

ATS 300

Release 21.100 - Jun 2016

ADDED SYSTEMS
ADDED FUNCTIONS

BRANDS

[ALFA ROMEO](#)

[AUDI](#)

[BMW](#)

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[IVECO](#)

[JAGUAR](#)

[LANCIA](#)

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[MINI \(BMW\)](#)

[OPEL](#)

[PEUGEOT](#)

[RENAULT](#)

[SEAT](#)

[SKODA](#)

[VOLVO](#)

[VW](#)

[147 \[937\] - 147 1.6 TS 16V ECO](#)
[147 \[937\] - 147 1.6 TS 16V](#)
[147 \[937\] - 147 2.0 TS 16V](#)
[147 \[937\] - 147 1.9 JTD](#)
[147 \[937\] - 147 3.2 GTA](#)
[147 \[937\] - 147 1.9 JTDM 16V](#)
[147 \[937\] - 147 1.9 JTDM](#)
[159 \[939\] Berlina - 159 1.9 JTS](#)
[159 \[939\] Berlina - 159 2.2 JTS](#)
[159 \[939\] Berlina - 159 1.9 JTDM 8V](#)
[159 \[939\] Berlina - 159 1.9 JTDM 16V](#)
[159 \[939\] Berlina - 159 2.4 JTDM](#)
[159 \[939\] Berlina - 159 3.2 JTS Q4](#)
[159 \[939\] Berlina - 159 1.8i](#)
[159 \[939\] Berlina - 159 2.4 JTD Q4](#)
[159 \[939\] Berlina - 159 2.4 JTD](#)
[159 \[939\] Berlina - 159 3.2 JTS](#)
[159 \[939\] Berlina - 159 1.8 TBi](#)
[159 \[939\] Berlina - 159 2.0 JTDM](#)
[159 \[939\] Sportwagon - 159 1.9 JTS Sportwagon](#)
[159 \[939\] Sportwagon - 159 1.9 JTDM Sportwagon](#)
[159 \[939\] Sportwagon - 159 2.2 JTS Sportwagon](#)
[159 \[939\] Sportwagon - 159 3.2 JTS Sportwagon Q4](#)
[159 \[939\] Sportwagon - 159 2.4 JTDM Sportwagon](#)
[159 \[939\] Sportwagon - 159 1.8i Sportwagon](#)
[159 \[939\] Sportwagon - 159 2.4 JTD Sportwagon Q4](#)
[159 \[939\] Sportwagon - 159 2.4 JTD Sportwagon](#)
[159 \[939\] Sportwagon - 159 3.2 JTS Sportwagon](#)
[159 \[939\] Sportwagon - 159 1.8 TBi Sportwagon](#)
[159 \[939\] Sportwagon - 159 2.0 JTDM Sportwagon](#)
[Brera \[939\] - Brera 2.2 JTS](#)
[Brera \[939\] - Brera 3.2 JTS 24V Q4](#)
[Brera \[939\] - Brera 2.4 JTDM 20V](#)
[Brera \[939\] - Brera 3.2 JTS 24V](#)
[Brera \[939\] - Brera 1.8 TBi](#)
[Brera \[939\] - Brera 2.0 JTDM](#)
[GT \[937\] - GT 1.9 JTD 16V](#)
[GT \[937\] - GT 2.0 JTS](#)
[GT \[937\] - GT 3.2 V6](#)
[GT \[937\] - GT 1.8 TS](#)
[Spider \[939\] - Spider 2.2 JTS](#)
[Spider \[939\] - Spider 3.2 JTS 24V Q4](#)
[Spider \[939\] - Spider 2.4 JTDM 20V](#)
[Spider \[939\] - Spider 3.2 JTS 24V](#)
[Spider \[939\] - Spider 1.8 TBi](#)
[Spider \[939\] - Spider 2.0 JTDM](#)

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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2003/06 - 2006/10	182B9000	1.9	100	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2003/06 - 2006/09	937A4000	1.9	126	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2004/10 - 2005/03	937A5000	1.9	150	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2004/02 - 2005/12	192B1000	1.9	136	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2005/06 - 2010/12	937A5000	1.9	150	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2006/01					

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

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

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

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

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

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

ALFA ROMEO					
159 [939] Berlina - 159 2.4 JTDM					
Year	Engine	Liters	HP	System	Functions
2005/06 -	939 A3.000	2.4	200	Special systems Configuration alignment 2.0	• Adjustments / settings - 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		• Adjustments / settings - Vehicle configuration					
2011/01 -	939 A.000	3.2	260	Special systems Configuration alignment 2.0		• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - Vehicle configuration					
2010/06 -	939 B4.000	2.0	136	Special systems Configuration alignment 2.0		• Adjustments / settings - Vehicle configuration					
2009/05 -	844 A2.000	2.0	163	Special systems Configuration alignment 2.0		• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration	
2010/06 -	939 B4.000	2.0	136	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration	
2009/05 -	844 A2.000	2.0	163	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration	
2007/05 - 2010/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration	

2007/01 - 2008/02	939 A.000	3.2	260	Special systems Configuration alignment 2.0	• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - Vehicle configuration					
2009/02 - 2010/12	844 A2.000	2.0	163	Special systems Configuration alignment 2.0		• Adjustments / settings - 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		• Adjustments / settings - Vehicle configuration					
2004/01 - 2010/12	937A5000	1.9	150	Special systems Configuration alignment 2.0		• Adjustments / settings - Vehicle configuration					
2007/10 - 2010/12	937A6000	1.9	170	Special systems Configuration alignment 2.0		• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - Vehicle configuration
2008/03 - 2010/12	939 A9.000	2.4	209	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - Vehicle configuration
2009/04 - 2010/12	844 A2.000	2.0	163	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> • Adjustments / settings - 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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1999/09 - 2002/04	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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

2008/09 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2006/06 - 2008/06	BUY	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

AUDI A3 [8P1] - A3 2.0 TDI quattro

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

2008/09 - 2010/05	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2008/07 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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

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

2008/07 - 2010/05	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2009/09 -	CBEA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2006/03 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration
2006/06 - 2008/06	BUY	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration 					

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration 					

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration 					

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration 					

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2008/10	CANA	2.7	190	Engine control	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values

-				Diesel EDC 17CP14	<ul style="list-style-type: none"> - Swirl flap position sensor - 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
2009/08	CAN	2.7	190	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 [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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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AUDI	A6 [4F2, C6] - A6 2.7 TDI quattro
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor

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

2008/10 -	CANA	2.7	190	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 [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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 [4FH, C6] Avant Allroad - A6 3.0 TDI Avant Allroad

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

2008/10 - 2011/08	CDYA	3.0	239	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

[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](#)
[3 \[E 90\] - 320 d](#)
[3 \[E 90\] - 320 i](#)
[3 \[E 90\] - 325 i](#)
[3 \[E 90\] - 330 i](#)
[3 \[E 90\] - 316 i](#)
[3 \[E 90\] - 318 d](#)
[3 \[E 90\] - 318 i](#)
[3 \[E 90\] - 323 i](#)
[3 \[E 90\] - 325 xi](#)
[3 \[E 90\] - 330 d](#)
[3 \[E 90\] - 330 xi](#)
[3 \[E 90\] - 330 xd](#)
[3 \[E 90\] - 320 si](#)
[3 \[E 90\] - 335 i](#)
[3 \[E 90\] - 325 d](#)
[3 \[E 90\] - 328 i](#)
[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](#)
[3 \[E 91\] Touring - 318 i Touring](#)
[3 \[E 91\] Touring - 335 i Touring](#)
[3 \[E 91\] Touring - 325 d Touring](#)
[3 \[E 91\] Touring - 335 d Touring](#)
[3 \[E 91\] Touring - 328 i Touring](#)
[3 \[E 91\] Touring - 328 xi Touring](#)
[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](#)
[3 \[E 91\] Touring - 330 i Touring xDrive](#)
[3 \[E 91\] Touring - 335 i Touring xDrive](#)
[3 \[E 91\] Touring - 320 d ed Touring](#)
[3 \[E 92\] Coupe - 325 i Coupe](#)
[3 \[E 92\] Coupe - 325 xi Coupe](#)
[3 \[E 92\] Coupe - 330 i Coupe](#)
[3 \[E 92\] Coupe - 330 xi Coupe](#)
[3 \[E 92\] Coupe - 330 d Coupe](#)
[3 \[E 92\] Coupe - 330 xd Coupe](#)
[3 \[E 92\] Coupe - 335 d Coupe](#)
[3 \[E 92\] Coupe - 323 i Coupe](#)
[3 \[E 92\] Coupe - 328 i Coupe](#)
[3 \[E 92\] Coupe - 328 xi Coupe](#)
[3 \[E 92\] Coupe - M 3 Coupe](#)
[3 \[E 92\] Coupe - 320 d Coupe](#)
[3 \[E 92\] Coupe - 316 i Coupe](#)
[3 \[E 92\] Coupe - 320 d Coupe xDrive](#)
[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](#)
[3 \[E 93\] Cabrio - 323 i Cabrio](#)
[3 \[E 93\] Cabrio - 325 d Cabrio](#)
[3 \[E 93\] Cabrio - 320 d Cabrio](#)
[3 \[E 93\] Cabrio - M 3 Cabrio](#)
[3 \[E 93\] Cabrio - 318 i Cabrio](#)
[3 \[E 93\] Cabrio - 335 is Cabrio](#)
[5 \[E 39\] - 520 i](#)
[5 \[E 39\] - 523 i](#)
[5 \[E 39\] - 528 i](#)
[5 \[E 39\] - 525 td](#)
[5 \[E 39\] - 540 i](#)

[5 \[E 39\] - 535 i](#)
[5 \[E 39\] - 525 tds](#)
[5 \[E 39\] - M 5](#)
[5 \[E 39\] - 530 d](#)
[5 \[E 39\] - 520 d](#)
[5 \[E 39\] - 525 d](#)
[5 \[E 39\] - 530 i](#)
[5 \[E 39\] Touring - 528 i Touring](#)
[5 \[E 39\] Touring - 520 i Touring](#)
[5 \[E 39\] Touring - 523 i Touring](#)
[5 \[E 39\] Touring - 525 tds Touring](#)
[5 \[E 39\] Touring - 540 i Touring](#)
[5 \[E 39\] Touring - 530 d Touring](#)
[5 \[E 39\] Touring - 520 d Touring](#)
[5 \[E 39\] Touring - 525 d Touring](#)
[5 \[E 39\] Touring - 530 i Touring](#)
[5 \[E 39\] Touring - 525 i Touring](#)
[5 \[E 60\] - 545 i](#)
[5 \[E 60\] - 525 d](#)
[5 \[E 60\] - 530 i](#)
[5 \[E 60\] - 535 d](#)
[5 \[E 60\] - M 5](#)
[5 \[E 60\] - 525 i](#)
[5 \[E 60\] - 523 i](#)
[5 \[E 60\] - 530 d](#)
[5 \[E 60\] - 520 i](#)
[5 \[E 60\] - 525 xi](#)
[5 \[E 60\] - 530 xi](#)
[5 \[E 60\] - 520 d](#)
[5 \[E 60\] - 530 xd](#)
[5 \[E 60\] - 540 i](#)
[5 \[E 60\] - 550 i](#)
[5 \[E 60\] - 523 Li](#)
[5 \[E 60\] - 525 Li](#)
[5 \[E 60\] - 530 Li](#)
[5 \[E 60\] - 525 xd](#)
[5 \[E 60\] - 528 i](#)
[5 \[E 60\] - 528 xi](#)
[5 \[E 60\] - 535 i](#)
[5 \[E 60\] - 535 xi](#)
[5 \[E 60\] - 520 Li](#)
[5 \[E 61\] Touring - 525 d Touring](#)
[5 \[E 61\] Touring - 530 d Touring](#)
[5 \[E 61\] Touring - 545 i Touring](#)
[5 \[E 61\] Touring - 535 d Touring](#)
[5 \[E 61\] Touring - 523 i Touring](#)
[5 \[E 61\] Touring - 525 i Touring](#)
[5 \[E 61\] Touring - 530 i Touring](#)
[5 \[E 61\] Touring - 525 xi Touring](#)
[5 \[E 61\] Touring - 530 xi Touring](#)
[5 \[E 61\] Touring - 520 d Touring](#)
[5 \[E 61\] Touring - 530 xd Touring](#)

[5 \[E 61\] Touring - 550 i Touring](#)
[5 \[E 61\] Touring - 520 i Touring](#)
[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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

2009/03 - 2011/12	N43 B20A	2.0	122	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button

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

BMW	1 [E 87] - 120 i
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2007/03 - 2011/06	N47 D20...	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

2007/03 - 2011/06	N43 B20A	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator 					
2009/09 - 2011/06	N52 B30...	3.0	258	Instrument cluster Instrument cluster 2.0		<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator 					

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

2007/09 - 2011/06	N47 D20...	2.0	204	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator 					

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

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

2010/03 - 2011/12	N47 D20C	2.0	163 - 184	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2005/03 -	N46 B20	2.0	150	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2007/09 -	N43 B20A	2.0	163 - 170	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator 						
2007/09 - 2011/10	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator 						

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

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

2007/09 - 2011/10	N47 D20...	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2007/09 - 2011/10	N43 B20A	2.0	136 - 143	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal

2009/02 -	N46B20CC	2.0	156	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

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

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

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

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

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

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

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

- 2010/02	N47 D20C	2.0	177	Instrument cluster 2.0	<ul style="list-style-type: none"> - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right <p>• Actuators</p> <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right <p>• Actuators</p> <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

2008/09 - 2011/10	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

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

2007/09 - 2012/06	N43 B20A	2.0	163 - 170	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

2007/09 - 2012/05	N53 B30A	3.0	211 - 218	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2007/09 -	N53 B30A	3.0	272	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

BMW 3 [E 91] Touring - 330 d Touring

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

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

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

- 2006/08	N52 B30A	3.0	218	Instrument cluster 2.0	<ul style="list-style-type: none"> - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right <ul style="list-style-type: none"> • Actuators - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right <ul style="list-style-type: none"> • Actuators - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

BMW 3 [E 91] Touring - 318 d Touring

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

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

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

-	N43 B20A	2.0	143	Instrument cluster 2.0	<ul style="list-style-type: none"> - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right <p>• Actuators</p> <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right <p>• Actuators</p> <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

BMW 3 [E 91] Touring - 335 d Touring

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

2006/09 -	30 6D 5	3.0	286	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

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

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

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

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

BMW 3 [E 92] Coupe - 325 i Coupe

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

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display

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

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

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"> • Identification • Clear errors • Error memory • Current values - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display

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

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

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

2006/09 - 2008/08	N51 B30A	3.0	234	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

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

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

- **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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2009/03 -	N57 D30A	3.0	245	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

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

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"> • Identification • Clear errors • Error memory • Current values - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators - Rotational speed sensor - Self test - Fuel level display - Speed indicator 					

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"> • Identification • Clear errors • Error memory • Current values - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right 					

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2010/03 -	N57 D30A	3.0	204	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

- **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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator
2010/03 -	N47 D20C	2.0	163 - 184	Instrument cluster Instrument cluster 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

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

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

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

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"> - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 523 i

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

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

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

					<ul style="list-style-type: none"> - 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
1996/06 - 1998/09	28 6S 1	2.8	193	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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
1998/09 - 2000/01	28 6S 2	2.8	193	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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
1999/01 - 2002/12	50 8S 1	5.0	400	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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 - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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 - 520 i Touring

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

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"> - Number of puncture messages, front left - Number of pressure tests, front left - 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
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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 - 523 i Touring**

Year	Engine	Liters	HP	System	Functions
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left
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- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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 - 540 i Touring

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

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"> - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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 - 520 d Touring					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor

2000/04 - 2003/07	20 4D 1	2.0	136	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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 - 530 i Touring					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values

2000/09 - 2004/05	30 6S 3	3.0	231	Tire control system Tire pressure monitor 1.2	<ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Tire pressure monitoring adaptation - Sensor query • Error memory • Current values <ul style="list-style-type: none"> - Battery, rear left pressure sensor - Battery, rear right pressure sensor - Battery, front left pressure sensor - Battery, front right pressure sensor - Battery, spare wheel pressure sensor - Tire pressure monitoring - Sensor recognition/assignment - Number of puncture messages, front left - Number of pressure tests, front left - 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 60] - 545 i					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment

2003/09 - 2005/09	N62 B44A	4.4	333	Parking brake ACC 2	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 525 d
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Year	Engine	Liters	HP	System	Functions
2004/05				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

- 2007/03	25 6D 2	2.5	177		<ul style="list-style-type: none"> - ACC deactivation/external - Operating time - Yaw rate sensor, offset
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2004/12 - 2007/03	25 6D 2	2.5	163	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/03 - 2010/02	30 6D 3	3.0	197	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 530 i
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Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2003/10 - 2005/02	30 6S 3	3.0	231		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2005/03 - 2010/02	N52 B30...	3.0	258 - 272	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Radar object 2 angle quality - Horizontal sensor misalignment - Horizontal misalignment plausibility - Sensor lens - Yaw rate sensor, offset
2007/03 - 2010/02	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 535 d

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

2004/09 - 2007/03	30 6D 4	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/03 - 2010/02	30 6D 5	3.0	286	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - Steering wheel angle offset - Radar object 1 distance

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 525 i

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

2005/03 - 2010/02	N52 B25...	2.5	218	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2004/02 - 2005/08	25 6S 5	2.5	192	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> - Yaw rate sensor, offset • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2004/04	24 6S 4	2.5	192	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

2007/03 - 2010/02	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 i**

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/03 - 2010/02	N52 B25...	2.5	177		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/03 - 2010/02	N53 B25A	2.5	190	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 	
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 	

2007/03 - 2010/02	30 6D 3	3.0	235		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 i
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> - 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
2007/09 - 2010/02	N43 B20A	2.0	163 - 170	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 525 xi**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment
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2005/03 - 2007/03	N52 B25A	2.5	218	Parking brake ACC 2	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/03 - 2008/08	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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BMW	5 [E 60] - 530 xi
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/03 - 2008/08	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 d
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Year	Engine	Liters	HP	System	Functions
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				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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2005/09 - 2008/02	20 4D 4	2.0	163		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2005/09 - 2007/09	20 4D 4	2.0	150	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Radar object 2 angle quality - Horizontal sensor misalignment - Horizontal misalignment plausibility - Sensor lens - Yaw rate sensor, offset
2007/09 - 2010/02	N47 D20...	2.0	163 - 177	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2008/07 - 2010/04	20 4D 4	2.0	177		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 530 xd
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - Steering wheel angle offset - Radar object 1 distance - Radar object 1 relative speed - Radar object 1 angular position

					<ul style="list-style-type: none"> - 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
2007/03 - 2008/08	30 6D 3	3.0	235	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 540 i
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - Mileage - switch (contact) parking brake (HAS)

2005/09 - 2010/02	N62 B40A	4.0	306	Parking brake ACC 2	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 530 Li	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - Mileage - switch (contact) parking brake (HAS) - Steering wheel angle offset - Radar object 1 distance - Radar object 1 relative speed 	

2004/03 - 2010/05	N52 B30...	3.0	258	Parking brake ACC 2	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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BMW	5 [E 60] - 528 i
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/03 - 2010/02	N54 B30A	3.0	306		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 535 xi
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test
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2011/01 -	N52 B25AF	2.5	196	Parking brake ACC 2	<ul style="list-style-type: none"> - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 525 d Touring

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2004/05 - 2007/03	25 6D 2	2.5	177	<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> - ACC deactivation, BLS active - ACC deactivation/external - Operating time - Yaw rate sensor, offset <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2004/12 - 2007/03	25 6D 2	2.5	163	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/03 - 2010/08	30 6D 3	3.0	197	Parking brake ACC 2	<ul style="list-style-type: none"> - Yaw rate sensor, offset • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 530 d Touring

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2004/05 - 2005/09	30 6D 2	3.0	218		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2005/09 - 2007/03	30 6D 3	3.0	231	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Radar object 2 angular position - Radar object 2 angle quality - Horizontal sensor misalignment - Horizontal misalignment plausibility - Sensor lens - Yaw rate sensor, offset
2007/03 - 2010/08	30 6D 3	3.0	235	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 545 i Touring

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

2004/05 - 2005/09	N62 B44A	4.4	333	Parking brake ACC 2	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/03 - 2010/08	30 6D 5	3.0	286	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 523 i Touring

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors
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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"> • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/03 - 2010/08	N53 B25A	2.5	190	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> - Yaw rate sensor, offset • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Sensor lens - Yaw rate sensor, offset
2007/03 - 2010/08	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 530 i Touring

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/03 - 2010/08	N52 B30...	3.0	258 - 272		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/03 - 2010/08	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - Mileage - switch (contact) parking brake (HAS) - Steering wheel angle offset - Radar object 1 distance

2007/03 - 2008/08	N53 B30A	3.0	218	Parking brake ACC 2	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 530 xi Touring
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/03 - 2008/08	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 520 d Touring					
Year	Engine	Liters	HP	System				Functions			

2005/09 - 2008/02	20 4D 4	2.0	163	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2005/09 -	20 4D 4	2.0	150	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/09				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> - ACC deactivation/external - Operating time - Yaw rate sensor, offset <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
2007/09 - 2010/08	N47 D20...	2.0	163 - 177	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/03 - 2008/08	30 6D 3	3.0	235		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - Steering wheel angle offset - Radar object 1 distance - Radar object 1 relative speed

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 525 xd Touring

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

2007/09 - 2008/08	30 6D 3	3.0	197	Parking brake ACC 2	<ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 61] Touring - 535 xi Touring

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/03 - 2010/08	N54 B30A	3.0	306		<ul style="list-style-type: none"> - ACC deactivation, V-limit - ACC deactivation, BLS active - ACC deactivation/external - Operating time - Yaw rate sensor, offset
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 630 i

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

2004/09 - 2010/07	N52 B30...	3.0	258	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • 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
				<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • 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
2007/09 - 2010/07	N53 B30A	3.0	272	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • 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
					<ul style="list-style-type: none"> • Identification • Clear errors

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 					

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/09 - 2010/07	30 6D 5	3.0	286		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 - 645 Ci Cabrio
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory

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
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2004/09 - 2010/07	N52 B30...	3.0	258	Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test
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2007/09 - 2010/07	N53 B30A	3.0	272	Parking brake ACC 2	<ul style="list-style-type: none"> - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 - 650 i Cabrio

Year	Engine	Liters	HP	System	Functions
				Parking brake ACC 2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/09 - 2010/07	N62 B48B	4.8	367		<ul style="list-style-type: none"> - ACC deactivation, BLS active - ACC deactivation/external - Operating time - Yaw rate sensor, offset
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 - M 6 Cabrio
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 735 i

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

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
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2001/11 - 2005/03	N62 B44A	4.4	333	Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
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- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
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<p>2002/10 - 2005/03</p>	<p>30 6D 2</p>	<p>3.0</p>	<p>218</p>	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Fuel tank cap locking - Trunk unlocking - Interior lighting - Rear window heating - Roof load off - Roof load on - Body load off - Body load on
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/04
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2008/10

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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"> • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
			<p>Parking brake ACC 2</p>	
			<p>Parking brake ACC 2 version 1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 d
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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

2002/10 - 2005/03	39 8D 1	3.9	258	Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Fuel tank cap locking - Trunk unlocking - Interior lighting - Rear window heating - Roof load off - Roof load on - Body load off - Body load on
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Year	Engine	Liters	HP	System	Functions
				Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
2002/12 - 2008/10	N73 B60...	6.0	445		

					<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

Year	Engine	Liters	HP	System	Functions
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2003/03
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231

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

2005/04
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2008/10

N52 B30...

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258

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
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2005/04
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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
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				Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
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2005/09
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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

				<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>2005/03 - 2005/08</p>	<p>44 8D 1</p>	<p>4.4</p>	<p>300</p>		

					<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

BMW	7 [E 65] - 750 i
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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

<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"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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

<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"> - 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 <ul style="list-style-type: none"> - Fuel tank cap locking - Trunk unlocking - Interior lighting - Rear window heating - Roof load off - Roof load on - Body load off - Body load on
	<p>• Identification</p>				

2002/05
-
2008/10

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"> - Last battery replacement - Last but one battery replacement - Third last battery replacement - Fourth last battery replacement - Battery discharge current - Rear lid actuation button • Actuators <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 735 Li
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Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
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2002/12 - 2008/10	N73 B60...	6.0	445	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - Steering wheel angle offset - Radar object 1 distance

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
2003/03 - 2005/03	30 6S 3	3.0	231	Electrical energy management Battery management 2.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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

- **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"> - 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 <ul style="list-style-type: none"> - Fuel tank cap locking - Trunk unlocking - Interior lighting - Rear window heating - Roof load off - Roof load on - Body load off - Body load on
	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 740 Li

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

<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"> - 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
	<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • 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 			

					<ul style="list-style-type: none"> - ACC deactivation/external - Operating time - Yaw rate sensor, offset
				Parking brake ACC 2 version 1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 750 Li
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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 %

2005/04 - 2008/10	N62 B48B	4.8	367	<p>Electrical energy management Battery management 2.2</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Fuel tank cap locking - Trunk unlocking - Interior lighting - Rear window heating - Roof load off - Roof load on - Body load off - Body load on
				<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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] - 730 Ld
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Year	Engine	Liters	HP	System	Functions
				Electrical energy management	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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 %

2005/09 - 2008/10	30 6D 3	3.0	231	<p>Battery management 2.2</p> <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Fuel tank cap locking - Trunk unlocking - Interior lighting - Rear window heating - Roof load off - Roof load on - Body load off - Body load on
			<p>Parking brake ACC 2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - ACC test - ACC sensor adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right • Actuators <ul style="list-style-type: none"> - Rotational speed sensor - Self test - Fuel level display - Speed indicator

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

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

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - engine revolutions signal - Ambient temperature sensor - Terminal 15 - Switch Daily mileage reset - Terminal R - External temperature display - PLUS touch-button - Minus touch-button - On-board computer, button - Fuel level sensor, left - Fuel level sensor, right

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

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

2010/07

4HL

2.2

204

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

2010/07
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4HL

2.2

204

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

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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2010/07 -	4HM	2.2	129	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2011/06 -	4HG	2.2	110	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2010/01 -	F1CE3481N	3.0	146	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2010/06 -	F1CE3481D	3.0	156	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2011/03 -	F1CE3481E	3.0	177	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2007/04 - 2009/12	937 A5.000	1.9	150	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2007/10 - 2009/12	198 A4.000	1.4	120	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2008/03 - 2009/12	198 A2.000	1.6	120	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2008/11 - 2009/12	955 A4.000	1.6	116	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2009/02 - 2009/12	198 A6.000	1.6	90	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2006/12 - 2010/12	939 A8.000	1.9	136	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration
2002/11 - 2005/09	223 A7.000	1.9	105	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - Vehicle configuration

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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - Vehicle configuration
2002/11 - 2005/09	223 A7.000	1.9	105	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> • Adjustments / settings - 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	<ul style="list-style-type: none"> • Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration

2004/11 -	199 A3.000	1.3	90	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2006/05 - 2009/12	169 A1.000	1.3	75	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings

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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2010/09 - 2012/12	169 A4.000	1.2	69	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2009/01 - 2011/12	188 A4.000	1.2	60	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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"> • Adjustments / settings - Vehicle configuration

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"> • Adjustments / settings - Vehicle configuration

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"> • Adjustments / settings - Vehicle configuration
2001/06 - 2003/06	188 A7.000	1.9	85	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> • Adjustments / settings - Vehicle configuration

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"> • Adjustments / settings - Vehicle configuration

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"> • Adjustments / settings - Vehicle configuration
1999/07 - 2003/06	188 A5.000	1.2	80	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> • Adjustments / settings - Vehicle configuration

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"> • Adjustments / settings - Vehicle configuration
2000/09 - 2003/06	188 A6.000	1.8	131	Special systems Configuration alignment 2.0	<ul style="list-style-type: none"> • Adjustments / settings - Vehicle configuration

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"> • Adjustments / settings - Vehicle configuration

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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2005/07 - 2007/12	192 B3.000	1.6	105	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2005/07 - 2007/12	192 A8.000	1.9	120	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2005/10 - 2007/12	192 B5.000	1.9	90	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2005/07 - 2007/12	937 A5.000	1.9	150	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration

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

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

- 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	• Adjustments / settings - Vehicle configuration
2005/07 - 2007/12	192 B3.000	1.6	105	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2004/09 - 2007/12	192 A9.000	1.9	100	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2005/07 - 2007/12	192 A8.000	1.9	120	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2005/10 - 2007/12	192 B5.000	1.9	90	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2004/09 - 2007/12	192 B2.000	1.4	90	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2004/09 - 2007/12	192 B1.000	1.9	136	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2005/07 - 2007/12	937 A5.000	1.9	150	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Idle speed comparison - Quantities comparison - Compression test • Adjustments / settings <ul style="list-style-type: none"> - Control unit reset • Error memory • Current values <ul style="list-style-type: none"> - Air compressor request - Contact switch - Exh.gases recirc.: pulse-duty factor - Battery voltage - Driving speed - Air conditioner electromagnetic clutch - compressor - Engine revolution - atmospheric pressure - turbo charger pressure - Lights switch 1 - Lights switch 2 - air mass - Clutch switch - Engine temperature - warming up relay - injected fuel quantity - Rail pressure, actual - Fuel quantity metering device pulse-duty factor - MIL-Status - pedal position sensor 1 - pedal position sensor 2 - Acceleration pedal position sensor 1 (V) - Working mode: preheating time control - Duty cycle load pressure control - Intake-air temperature sensor 2 - Additional heater 1 - Additional heater 2 - Supplementary heater status - Average rail pressure

[Daily 2012 - Daily 29 L 11](#)
[Daily 2012 - Daily 35 C 11](#)
[Daily 2012 - Daily 35 S 11](#)
[Daily 2012 - Daily 29 L 13](#)
[Daily 2012 - Daily 35 C 13](#)
[Daily 2012 - Daily 35 S 13](#)
[Daily 2012 - Daily 29 L 15](#)
[Daily 2012 - Daily 35 C 15](#)
[Daily 2012 - Daily 35 S 15](#)
[Daily 2012 - Daily 50 C 15](#)
[Daily 2012 - Daily 60 C 15](#)
[Daily 2012 - Daily 65 C 15](#)
[Daily 2012 - Daily 70 C 15](#)
[Daily 2012 - Daily 35 S 17](#)
[Daily 2012 - Daily 35 C 17](#)
[Daily 2012 - Daily 50 C 17](#)
[Daily 2012 - Daily 60 C 17](#)
[Daily 2012 - Daily 65 C 17](#)
[Daily 2012 - Daily 70 C 17](#)
[Daily 2012 - Daily 35 S 21](#)
[Daily 2012 - Daily 35 C 21](#)
[Daily 2012 - Daily 50 C 21](#)
[Daily 2012 - Daily 60 C 21](#)
[Daily 2012 - Daily 65 C 21](#)
[Daily 2012 - Daily 70 C 21](#)
[Daily 2012 - Daily 35 C 14 CNG](#)
[Daily 2012 - Daily 35 S 14 CNG](#)
[Daily 2012 - Daily 50 C 14 CNG](#)
[Daily 2012 - Daily 60 C 14 CNG](#)
[Daily 2012 - Daily 65 C 14 CNG](#)
[Daily 2012 - Daily 70 C 14 CNG](#)
[Daily 2012 - Daily 55 S 17](#)
[Daily 2012 - Daily 40 C 11](#)
[Daily 2012 - Daily 40 C 13](#)
[Daily 2012 - Daily 40 C 14 CNG](#)
[Daily 2012 - Daily 40 C 15](#)
[Daily 2012 - Daily 40 C 17](#)
[Daily 2012 - Daily 40 C 21](#)
[Daily 2012 - Daily 33 S 11](#)
[Daily 2012 - Daily 33 S 13](#)
[Daily 2012 - Daily 33 S 15](#)

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07 -	F1AE3481A...	2.3	106	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> - Headlight range control adjustment button + - Headlight range control adjustment button - - Exterior lighting fault warning lamp - Retarder mode - Air suspension warning lamp red • Actuators <ul style="list-style-type: none"> - Self test - Warning buzzer <hr/> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

IVECO Daily 2012 - Daily 35 C 11

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07 -	F1AE3481A...	2.3	106	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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 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

IVECO

Daily 2012 - Daily 35 S 11

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

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**

2011/07

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2.3

106

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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2011/07 -	F1AE3481B...	2.3	126	Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

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

IVECO Daily 2012 - Daily 35 C 13

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

				<p>side</p> <ul style="list-style-type: none"> - Driver side window airbag ignition circuit resistance - Passenger side window airbag ignition circuit resistance <p>• Actuators</p> <ul style="list-style-type: none"> - Airbag control light - Front passen. airbag warning lamp 	
	Instrument cluster Instrument cluster 4.0				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
2011/07 -	F1AE3481B...	2.3	126		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Air compressor request - Power supply - Vehicle driving speed - Parking brake - Coolant level

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

IVECO **Daily 2012 - Daily 35 S 13**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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2011/07
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2.3

126

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory

2011/07	F1AE3481C..	2.3	199	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • 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
					<ul style="list-style-type: none"> • 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07	F1CE3481...	3.0	146	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer <hr/> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer <hr/> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

IVECO

Daily 2012 - Daily 35 S 15

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

<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Airbag control light - Front passen. airbag warning lamp
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Self test - Warning buzzer
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory

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

IVECO Daily 2012 - Daily 50 C 15

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07	F1CE3481...	3.0	146		<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
				Central electronics	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

IVECO Daily 2012 - Daily 60 C 15

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • 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"> - Airbag control light - Front passen. airbag warning lamp
				<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
2011/07	F1CE3481J...	3.0	146		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

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 65 C 15

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

2011/07

F1CE3481...

3.0

146

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

IVECO Daily 2012 - Daily 70 C 15

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - Coolant temperature - Failure lamp

2011/07
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146

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
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170

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

IVECO Daily 2012 - Daily 35 C 17

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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2011/07
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3.0
170

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

IVECO Daily 2012 - Daily 50 C 17

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

<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Airbag control light - Front passen. airbag warning lamp
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory

2011/07
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3.0
170

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

IVECO Daily 2012 - Daily 60 C 17

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

2011/07	F1CE3481...	3.0	170		<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
				Central electronics	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

IVECO Daily 2012 - Daily 65 C 17

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • 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
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					<ul style="list-style-type: none"> - Airbag control light - Front passen. airbag warning lamp
				<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
2011/07	F1CE3481...	3.0	170		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

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 70 C 17**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07

F1CE3481...

3.0

170

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

IVECO Daily 2012 - Daily 35 S 21

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - Coolant temperature - Failure lamp

2011/07
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204

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"> - Air suspension warning lamp red • Actuators <ul style="list-style-type: none"> - Self test - Warning buzzer • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

IVECO Daily 2012 - Daily 50 C 21

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07
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 F1CE3481D... 3.0 204

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

IVECO

Daily 2012 - Daily 60 C 21

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

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**

2011/07

F1CE3481D...

3.0

204

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

IVECO Daily 2012 - Daily 65 C 21

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07	F1CE3481D...	3.0	204	<p>Central electronics</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer <hr/> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

IVECO **Daily 2012 - Daily 70 C 21**

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"> - Airbag control light - Front passen. airbag warning lamp
				<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
2011/07	F1CE3481D...	3.0	204		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/07	F1CE0441A...	3.0	136	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer <hr/> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - Coolant temperature - Failure lamp

2011/07
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F1CE0441A...

3.0

136

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	F1CE0441A...	3.0	136	Central electronics Central electronics 4.0	<ul style="list-style-type: none"> - Air suspension warning lamp red • Actuators <ul style="list-style-type: none"> - Self test - Warning buzzer • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

IVECO Daily 2012 - Daily 60 C 14 CNG

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

IVECO Daily 2012 - Daily 65 C 14 CNG

Year	Engine	Liters	HP	System	Functions
				Airbag	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

Airbag AB 4.0	<ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Airbag control light - Front passen. airbag warning lamp
Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Self test - Warning buzzer
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light

2011/07

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170

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						
				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp 						
				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 						

2012/01	F1AE3481A...	2.3	106	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer <hr/> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - Coolant temperature - Failure lamp - Engine revolution
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2012/01 -	F1AE3481B...	2.3	126	<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

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
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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"> • Actuators <ul style="list-style-type: none"> - Self test - Warning buzzer • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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2012/01	F1CE3481...	3.0	146	Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Self test - Warning buzzer
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

Airbag AB 4.0	<ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Airbag control light - Front passen. airbag warning lamp
Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Self test - Warning buzzer
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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				Instrument cluster Instrument cluster 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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2012/01

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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
2012/09	F1AE3481A..	2.3	106	<p>Central electronics Central electronics 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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 13**

Year	Engine	Liters	HP	System	Functions
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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
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2012/09

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2.3

126

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Airbag control light - Front passen. airbag warning lamp
2012/09	F1AE3481C..	2.3	146		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

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298

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"> - 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)
<p>Anti-block system ABS 4.0</p>	<ul style="list-style-type: none"> • 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
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Identification

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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)
<p>Anti-block system ABS 4.0</p>	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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
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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

1998/10
-
2002/04

GC GB

4.0

276

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"> • 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Diesel particle filter adjustment - High-pressure pump, initialization - Electr. fuel pump activation - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Air compressor pressure signal - Oil quality - Additional warming up - Intake charge-air temperature - Fuel pump relay - Fuel temperature

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		<ul style="list-style-type: none"> - 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 ABS 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - pump motor in the hydraulic modulator
				Anti-block system ESP W9.0	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Brake pressure sensor zero pos. calibration - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 - Atmospheric pressure sensor
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2001/03
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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
------	--------	--------	----	--------	-----------

- **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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2002/03
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2005/10

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156

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"> - rear left tire speed - rotation angle sensor - pressure sensor - Lateral acceleration sensor - Driving wheels angle
				Airbag Airbag AB X4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 D

Year	Engine	Liters	HP	System	Functions
				Anti-block system ESP 8.1	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Power supply

2003/09
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2005/10

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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
 - 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 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"> - Odometer - Side lights, swtich - 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 <ul style="list-style-type: none"> - Revolution meter - Reverse gear - Fuel level meter - Tachometer - Immobilizer, warning light - Display illumination - Temperature indicator - LCD intensity - All Warning Lamp
				Engine control EEC5-EDC Common Rail	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 X-Type Estate - X-Type 2.5 Estate

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

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"> - 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 <ul style="list-style-type: none"> - Radiator fan controller (PWM)
<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Airbag Airbag AB X4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Instrument cluster Instrument cluster X4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 - Atmospheric pressure sensor - Exhaust gas recirculation Position Target Value
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WB

3.0

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- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 - Atmospheric pressure sensor
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2003/03
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2005/10

YB

2.0

156

- 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"> - Front DS seat position sensor • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Revolution meter - Reverse gear - Fuel level meter - Tachometer - Immobilizer, warning light - Display illumination - Temperature indicator - LCD intensity - All Warning Lamp
				Engine control EEC5-EDC Common Rail	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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 X-Type Estate - X-Type 2.2 D Estate

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification
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145 -
155

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

2008/03

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238 -
243

- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 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)

2008/03
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298

- 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"> • Current values <ul style="list-style-type: none"> - 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
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

Engine control
PanPag 1.0

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

2008/03
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2009/02

SV8TS

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416

- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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)
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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"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors

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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Engine oil, service life, reset - Diesel particle filter adjustment - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Number of faults, emission warning lamp status - Intake charge-air temperature - Fuel temperature - Coolant temperature

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"> - 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
2009/03	AJV6D	3.0	241	<p>Anti-block system ESP 8.1</p> <ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

- **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Engine oil, service life, reset - Diesel particle filter adjustment - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Number of faults, emission warning lamp status - Intake charge-air temperature - Fuel temperature - Coolant temperature - 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
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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"> - 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
				<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 3.0 D**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Engine oil, service life, reset - Diesel particle filter adjustment - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Number of faults, emission warning lamp status - Intake charge-air temperature - Fuel temperature - Coolant temperature - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Restoration of adaptation values of the exhaust gas recirculation - Reset Lambda sensor adaptation values - Engine oil, service life, reset - Reset EKP adaptation values - Reset turbocharger adaption values - Reset throttle valve adaptation values - Reset mileage with fuel water cont. lamp ON • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Intake charge-air temperature - Vehicle driving speed - Coolant temperature sensor voltage - Fuel temperature - Oxygen sensor - Engine revolution - oxygen sensor voltage - intake air mass - Inserted gear - Lights switch 1 - Lights switch 2 - atmospheric pressure - electric fuel pump - gear box control system - engine oil temperature - Engine suspension - Rail pressure, nominal - Turbo pressure, nominal value - Intake air temperature - Driver's door status - Fuel pressure regulation valve, pulse-duty factor - Acceleration pedal position sensor 1 - Acceleration pedal position sensor 2 - Fuel quantity metering device pulse-duty factor - Engine oil sensor: Oil level - intake manifold pressure sensor - Switch Parking / Neutral - Status: oil level - Throttle valves servo motor control - Calculated intake-manifold pressure - Cooling agent temperature motor

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Diesel particle filter adjustment - High-pressure pump, initialization - Electr. fuel pump activation - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Air compressor pressure signal - Oil quality - Additional warming up - Intake charge-air temperature - Fuel pump relay - Fuel temperature - 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

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"> - Cooling fan operating status - Engine coolant temperature 1
				<p>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values 				

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
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				Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> - 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 <ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Engine oil, service life, reset - Diesel particle filter adjustment - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Number of faults, emission warning lamp status - Intake charge-air temperature - Fuel temperature - Coolant temperature - 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)

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>Anti-block system ESP 8.1</p>	<ul style="list-style-type: none"> - Number of regeneration requests - Calculated diesel particle quantity in engine oil - Engine run time <ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Engine oil, service life, reset - Diesel particle filter adjustment - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Number of faults, emission warning lamp status - Intake charge-air temperature - Fuel temperature - Coolant temperature - 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
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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"> • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Restoration of adaptation values of the exhaust gas recirculation - Reset Lambda sensor adaptation values - Engine oil, service life, reset - Reset EKP adaptation values - Reset turbocharger adaption values - Reset throttle valve adaptation values - Reset mileage with fuel water cont. lamp ON • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Intake charge-air temperature - Vehicle driving speed - Coolant temperature sensor voltage - Fuel temperature - Oxygen sensor - Engine revolution - oxygen sensor voltage - intake air mass - Inserted gear - Lights switch 1 - Lights switch 2 - atmospheric pressure - electric fuel pump - gear box control system - engine oil temperature - Engine suspension - Rail pressure, nominal - Turbo pressure, nominal value - Intake air temperature - Driver's door status - Fuel pressure regulation valve, pulse-duty factor - Acceleration pedal position sensor 1 - Acceleration pedal position sensor 2 - Fuel quantity metering device pulse-duty factor - Engine oil sensor: Oil level - intake manifold pressure sensor - Switch Parking / Neutral - Status: oil level - Throttle valves servo motor control - Calculated intake-manifold pressure - Cooling agent temperature motor - 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)

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driving speed adjustment lamp - Accelerator pedal position

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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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385

- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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)
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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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

- **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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

2011/08

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238

- 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"> - rare right tire speed - rear left tire speed - rotation angle sensor - pressure sensor - Lateral acceleration sensor - Driving wheels angle
			Airbag Airbag AB 4.0		<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 XJ - XJ 3.0D V6

Year	Engine	Liters	HP	System	Functions
				Anti-block system ESP 8.1	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Static test - ESP test • Adjustments / settings <ul style="list-style-type: none"> - Adaptation, steering wheel angle sensor • Special functions <ul style="list-style-type: none"> - Bleed • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Power supply - front left tire speed - front right tire speed - rare right tire speed - rear left tire speed

				<ul style="list-style-type: none"> - rotation angle sensor - pressure sensor - Lateral acceleration sensor - Driving wheels angle
			Airbag Airbag AB 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
2010/08		3.0	275	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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 <ul style="list-style-type: none"> • Actuators - pump motor in the hydraulic modulator
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> • 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					
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"> • 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 <ul style="list-style-type: none"> • Actuators - pump motor in the hydraulic modulator
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> • 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
					<ul style="list-style-type: none"> • Identification

1997/09 - 2003/08		4.0	0	Anti-block system ABS 4.0	<ul style="list-style-type: none"> • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - pump motor in the hydraulic modulator
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 **XJ6/2003 - XJ6 3.0 24V**

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

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

2003/03
-
2010/07

AJ-V6

3.0

238

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"> • 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

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"> - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Diesel particle filter adjustment - High-pressure pump, initialization - Electr. fuel pump activation - Reset EKP adaptation values • Error memory • Current values <ul style="list-style-type: none"> - Air compressor pressure signal - Oil quality - Additional warming up - Intake charge-air temperature - Fuel pump relay - Fuel temperature - 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
- 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

2005/10
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2010/07

2.7 207

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

XJ8/2003 - XJ 8 3.5 32V

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

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

2003/03
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2010/07

AJ-V8

3.5

258

Anti-block system
ABS 4.0

- 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**
- **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"> • 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

Engine control
PanPag 1.0

- 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)

2003/03
-
2010/07

AJ-V8

4.2

298

- 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"> - 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
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

- **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
PanPag 1.0

- 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

2003/03
-
2009/08

AJ-V8

4.2

296

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"> - Brake booster switch normally closed - Brake booster switch normally open • Actuators <ul style="list-style-type: none"> - pump motor in the hydraulic modulator
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Battery voltage - Mileage in km or miles - Trip counter reset - Reverse switch - Intensity of instrument illumination - Signal, terminal 15R (radio) - Number of actual errors

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"> • 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

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)

2003/09
-
2009/08

4.2

396

- 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"> • Adjustments / settings <ul style="list-style-type: none"> - Brake pressure sensor zero pos. calibration - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 XJR 8 - XJR 8 4.0 V8 32V Kompressor

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 XJR/2003 Convertible - XJR 4.2 32V V8 S/C Convertible

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

2003/03
-
2009/03

AJ-V8

4.2

396

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2003/03 - 2009/03	AJ-V8	4.2	396	Engine control PanPag 1.0	<ul style="list-style-type: none"> 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"> - 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		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Brake pressure sensor zero pos. calibration - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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

JAGUAR **XK 8 Convertible - XK 8 4.2 32V Convertible**

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

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)

2003/03
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2009/02

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4.2

298

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
Airbag Airbag AB X4.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driving speed adjustment lamp - Accelerator pedal position - Power supply

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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)

2003/03
-
2009/02

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396 -
416

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"> - 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 <ul style="list-style-type: none"> - Radiator fan controller (PWM)
<p>Anti-block system ABS 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - pump motor in the hydraulic modulator
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Brake pressure sensor zero pos. calibration - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - rotation angle sensor - Lateral acceleration sensor - Brake pedal switch - Wheel speed front left

					<ul style="list-style-type: none"> - Wheel speed front right - Wheel speed rear left - Wheel speed rear right - Pressure sensor
				Airbag Airbag AB X4.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 XK 8 Convertible - XK 8 4.0 32V Convertible					
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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 XK 8 Convertible - XK 8 4.0 R 32V Convertible					
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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 XK 8 Coupe - XK 8 4.2 32V Coupe					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

2003/03
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2009/02

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4.2

298

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"> - Passenger side, front belt sensor fault status - Passenger side, airbag switch fault status - Passenger seat position sensor
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 8 Coupe - XK 8 4.2 R 32V Coupe

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

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)

2003/03
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2009/02

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4.2

396

Anti-block system
ABS 4.0

- 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"> - 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
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Airbag Airbag AB X4.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driving speed adjustment lamp - Accelerator pedal position

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

2006/03
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2009/02

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4.2

416

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

					<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Brake pressure sensor zero pos. calibration - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 XK Convertible - XK 4.2 R 32V Convertible

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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)

	<ul style="list-style-type: none"> - 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
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Brake pressure sensor zero pos. calibration - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 3.5 Convertible AWD

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

Engine control
PanPag 1.0

- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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Engine control
PanPag 1.0

- 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"> - 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
<p>Anti-block system ESP W9.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Brake pressure sensor zero pos. calibration - Lateral acceleration sensor zero position adjustment • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 5.0 Convertible

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

Engine control
PanPag 1.0

- 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)

2009/02

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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

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"> • 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
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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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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 +

2009/02
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508PN

5.0

385

- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Air consumption meter (Bank 1) - Air consumption meter (Bank 2)
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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

2011/01

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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

Anti-block system
ESP 8.1

- 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**
- **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

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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
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 - Voltage belt lock driver's side
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 - Rear right door status
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 - 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	• Adjustments / settings - Vehicle configuration
2008/07 - 2010/07	198 A 1.000	1.4	150	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2010/08 -		1.4	140	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2005/03 -	192B2000	1.4	90	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2010/02 -	199B1000	1.3	95	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2008/09 -	350 A3.000	1.6	115	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2006/03 - 2009/12	841P.000	2.4	185	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2010/08 - 2011/11	169 A4.000	1.2	69	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - 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	• Adjustments / settings - Vehicle configuration
2006/10 - 2009/12	199 A2.000	1.3	75	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2009/09 - 2010/11	199 A2.000	1.3	75	Special systems Configuration alignment 2.0	• Adjustments / settings - Vehicle configuration
2010/08 - 2011/11	199 A9.000	1.3	75	Special systems Configuration alignment 2.0	• Adjustments / settings - 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	• Adjustments / settings - 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Cylinder shutoff - Starting fault information - Idle speed comparison - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Empty set calibration for injector change • Error memory • Current values <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Transmission adaptation • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Vehicle level button: Down, long press - Vehicle level button: Up, long press <ul style="list-style-type: none"> • 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 	
2009/09	306DT	3.0	245 - 272	<p>Heating / Air conditioner Automatic A/C 4.0</p>	<ul style="list-style-type: none"> • 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

	<ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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
 - 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
					<ul style="list-style-type: none"> • 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"> - Engine oil dilution factor - Boost pressure sensor 2 voltage - Lambda value after turbocharger - Exhaust gas temperature sensor after the DPF (V) • Actuators <ul style="list-style-type: none"> - 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
<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Transmission adaptation • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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 <ul style="list-style-type: none"> - 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
<p>Heating / Air conditioner Automatic A/C 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Air flap control motors • Error memory • Current values <ul style="list-style-type: none"> - 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

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211

- 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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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
- 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"> - 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
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Drain air spring struts - Drain pressure accumulator - Activate air suspension • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Transmission adaptation • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Number of resets due to battery change - Number of missing tire pressure monitoring sensors - Battery management: Estimated charge - Airbag control supply relay
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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
 - 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - 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
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

2009/09
406PN
4.0
219

- 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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests

2010/09 -	224DT	2.2	190	<p>Parking assisting system Park Distance Control 4.0</p>	<ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Park distance control gong - Park distance control switch LED - Parking aid: Rear distance sensors - Distance sensors
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LAND ROVER Freelandr 2 [LF] - Freelandr 2 eD4

Year	Engine	Liters	HP	System	Functions
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2010/09
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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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/10	B6324S	3.2	231 - 233	Parking assisting system Park Distance Control 4.0	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Park distance control gong - Park distance control switch LED - Parking aid: Rear distance sensors - Distance sensors
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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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/10 -	224DT	2.2	150 - 160	Parking assisting system Park Distance Control 4.0	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Park distance control gong - Park distance control switch LED - Parking aid: Rear distance sensors - Distance sensors
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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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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

2012/08 -	204PT	2.0	240	Parking assisting system Park Distance Control 4.0	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Park distance control gong - Park distance control switch LED - Parking aid: Rear distance sensors - Distance sensors
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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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"> • 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
				<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests - System self test • Error memory • Current values - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<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"> • 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/09	224DT	2.2	150	<p>Parking assisting system Park Distance Control 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Park distance control gong - Park distance control switch LED - Parking aid: Rear distance sensors - Distance sensors
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Power supply - Kilometer reading - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Number of actual errors - Switch 6

					<ul style="list-style-type: none"> - Switch 7 - Switch 8
				<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
2011/09	224DT	2.2	190	<p>Parking assisting system Park Distance Control 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Cylinder shutoff - Starting fault information - Idle speed comparison - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Empty set calibration for injector change • Error memory • Current values <ul style="list-style-type: none"> - 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
- 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"> - Charging pressure counter - Clutch B - Charging pressure counter - Clutch C - Charging pressure counter - Clutch D - Charging pressure counter - Clutch E
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification

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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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
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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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Cylinder shutoff - Starting fault information - Idle speed comparison - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Empty set calibration for injector change • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Control unit fan - Turbocharger exhaust gas flow switching valve - Turbocharger charge air switching valve - Turbocharger charge air changeover valve
<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Gear box control 6/8 speed automatic transmission HPxx</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Transmission adaptation • Error memory • Current values <ul style="list-style-type: none"> - 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

	<p>value</p> <ul style="list-style-type: none"> - 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
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Drain air spring struts - Drain pressure accumulator - Activate air suspension • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Actuation counter - El. parking brake force sensor • Actuators <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Instrument cluster indication lamps
	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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

• **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

- 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 III - Range Rover III 5.0 V8 Supercharged AWD

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - Electronic control unit power supply - Distance travelled in mode 1

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"> - Rear right head airbag - Rollover detection 1 - Rollover detection 2
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Underbody/Steering Air suspension 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Drain air spring struts - Drain pressure accumulator - Activate air suspension • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values

	<ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Instrument cluster indication lamps
	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Cylinder shutoff - Starting fault information - Idle speed comparison - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Empty set calibration for injector change • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • 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

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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - Cruise control, control light - Low-range lamp - Engine management system error lights - Generator lamp - Seat belt control light

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
				Engine control Diesel EDC 17CP11	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Cylinder shutoff - Starting fault information - Idle speed comparison - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Empty set calibration for injector change • Error memory • Current values <ul style="list-style-type: none"> - 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
- 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"> - Compressor temperature sensor voltage - Crawl mode LED - Setting mode - Normal mode - Vehicle level button: Down, long press - Vehicle level button: Up, long press • Actuators <ul style="list-style-type: none"> - 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
2011/06	306DT	3.0	256	<p>Heating / Air conditioner Automatic A/C 4.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Air flap control motors • Error memory • Current values <ul style="list-style-type: none"> - 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
- 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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

• **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
				<p>All-wheel drive electronics All wheel drive electronics 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply

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"> - 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
<p>2009/09 -</p>	<p>5.0</p>	<p>506 - 510</p>	<p>Electrical energy management Battery management 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values

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"> - 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 <ul style="list-style-type: none"> - Park distance control gong - Park distance control switch LED - Parking aid: Rear distance sensors - Distance sensors
<p>All-wheel drive electronics Transfer case 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 3.6 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Adjustments / settings <ul style="list-style-type: none"> - Transmission adaptation • Error memory • Current values <ul style="list-style-type: none"> - 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
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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 (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

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

2009/09

3.6

272

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"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
<p>Instrument cluster Instrument cluster 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Instrument cluster indication lamps
	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Electronic control unit supply voltage

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"> - 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
<p>Airbag Airbag AB 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Central module comfort Access/start authorization 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
- 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"> - 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
				<p>Electrical energy management Battery management 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Battery replacement • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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
<p>Parking brake Electrical parking brake 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tilt angle initialization - Parking brake service mode - Retract/relax parking brake • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Parking brake apply - Release parking brake
<p>Immobilizer Immobilizer 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - System self test • Error memory • Current values <ul style="list-style-type: none"> - The ambient temperature - Engine control unit power supply - Odometer - Interior temperature
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - 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

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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[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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory 						

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"> • Identification • Clear errors • Read configuration • Error memory 						

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"> • Identification • Clear errors • Read configuration • Error memory 						
2005/04 - 2011/05	OM 640.940	2.0	109	Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 						

					<ul style="list-style-type: none"> - Left cornering light in center position - Left and right turning light
				Lights control XALWA Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 200 CDI**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Driving with headlights range in central position

2005/04 - 2011/05	OM 640.941	2.0	140		<ul style="list-style-type: none"> - 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 Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 150

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/04 - 2009/04	M 266.920	1.5	95		<ul style="list-style-type: none"> - Wheel speed rear right - Steered headlights position - Headlights Zero position - Voltage at terminal 56a - Front left axle sensor - Rear left axle sensor <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - 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 Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 170**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Transverse acceleration - Control unit power supply - Steering wheel rotation angle sensor - reflexive angle - High beam light - Terminal 56b voltage

2005/04 - 2009/04	M 266.940	1.7	116	Lights control XALWA Master	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • 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 Slave	<ul style="list-style-type: none"> • 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

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"> • Identification • Clear errors • Read configuration • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Zero point programming axle sensors

2005/04 - 2011/04	M 266.960	2.0	136	Lights control XALWA Master	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 200 Turbo**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification
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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"> • Clear errors • Read configuration • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Read configuration • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Read configuration • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Read configuration • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Read configuration • Error memory
2009/04 - 2011/04	M 266.940	1.7	116	Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Left and right turning light
				Lights control XALWA Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 170 NGT**

Year	Engine	Liters	HP	System	Functions
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Driving with headlights range in central position - Driving with headlights range in maximum position

2008/05 - 2009/04	M 266.960	2.0	116		<ul style="list-style-type: none"> - 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 Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 [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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate parking brake • Error memory • Current values <ul style="list-style-type: none"> - Terminal 30 - Terminal 15 - Brakes control light - Working mode - Current VIN - Original VIN - Left parking brake control motor: Current - Right parking brake control motor: Current - Electronic parking brake button status - Maximum brake temperature attained: Reset - Multi-function display - Max. brake temperature attained: Mileage - Left locking motor shut-off current - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate parking brake • Error memory • Current values <ul style="list-style-type: none"> - Terminal 30 - Terminal 15 - Brakes control light - Working mode - Current VIN - Original VIN - Left parking brake control motor: Current - Right parking brake control motor: Current - Electronic parking brake button status - Maximum brake temperature attained: Reset - Multi-function display - Max. brake temperature attained: Mileage - Left locking motor shut-off current - 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 <ul style="list-style-type: none"> - Parking brake apply - Apply right parking brake - Apply left parking brake - Move to fitting position - Assembly position exit

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate parking brake • Error memory • Current values <ul style="list-style-type: none"> - Terminal 30 - Terminal 15 - Brakes control light - Working mode - Current VIN - Original VIN - Left parking brake control motor: Current - Right parking brake control motor: Current - Electronic parking brake button status - Maximum brake temperature attained: Reset - Multi-function display - Max. brake temperature attained: Mileage - Left locking motor shut-off current

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate parking brake • Error memory • Current values <ul style="list-style-type: none"> - Terminal 30 - Terminal 15 - Brakes control light - Working mode - Current VIN - Original VIN - Left parking brake control motor: Current - Right parking brake control motor: Current - Electronic parking brake button status - Maximum brake temperature attained: Reset - Multi-function display - Max. brake temperature attained: Mileage - Left locking motor shut-off current - 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 <ul style="list-style-type: none"> - Parking brake apply - Apply right parking brake - Apply left parking brake - Move to fitting position - Assembly position exit

MERCEDES BENZ **C-Klasse [203] - C 180**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls

2000/10 - 2002/08	M 111.951	2.0	129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ				C-Klasse [203] - C 220 CDI	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold

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"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2003/03 - 2007/02	OM 646.963	2.2	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

- 2003/02	OM 611.962	2.2	116		<ul style="list-style-type: none"> - Flame monitor/glow element unit - Flame detection - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2003/03 - 2007/07	OM64696...	2.2	122	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2002/09 - 2007/02	M 271.940	1.8	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower

					<ul style="list-style-type: none"> - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> • Actuators - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ **C-Klasse [203] - C 240 4MATIC**

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"> • 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
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ **C-Klasse [203] - C 320 4MATIC**

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"> • 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

					<ul style="list-style-type: none"> - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump 	
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 	

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 	

					<ul style="list-style-type: none"> - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	C-Klasse [203] - C 180 KOMPRESSOR
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	C-Klasse [203] - C 320 CDI
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	C-Klasse [203] - C 230
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	C-Klasse [203] - C 280
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/02					<ul style="list-style-type: none"> - Flame detection - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

- 2003/02	OM 611.962	2.2	143		<ul style="list-style-type: none"> - Flame monitor/glow element unit - Flame detection - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2003/03 - 2008/02	OM 646.963	2.2	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2002/09 - 2008/02	M 271.940	1.8	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower

					<ul style="list-style-type: none"> - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	C-Klasse [203] Sportcoupe - C 230 KOMPRESSOR Sportcoupe
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2003/08 - 2005/05	M 271.948	1.8	192	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump

					- Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit

					<ul style="list-style-type: none"> - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower

					<ul style="list-style-type: none"> - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2003/03 - 2007/08	OM64696...	2.2	122	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification

				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Clear errors • Read configuration • Error memory
2003/03 - 2007/08	OM 646.963	2.2	150	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

2002/09 - 2007/08	M 271.940	1.8	163	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump 	
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 	

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors

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646.81...

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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"> - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2008/04	OM 651.913	2.1	136	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

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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OM 646.811

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170

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 320 CDI
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/06
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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"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 KOMPRESSOR

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

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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"> - Level control status - Rear left vehicle level - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2008/04 - 2010/04	M 271.910	1.6	156	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 		

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - All doors status

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
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M 271.950

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184

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Level valve front left - Level valve front right - Rear left, level valve

2007/08 - 2009/04	M 272.921	2.5	204		<ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Driving with headlights range in central position - Driving with headlights range in maximum position

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

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"> - 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
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Control unit power supply - Terminal 56b voltage - Lights vertical regulation servo motor position - Lamp, ignition voltage - Lamp intensity

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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		<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 320 CDI 4MATIC

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

2007/07
-
2009/04

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification

2007/07 - 2009/04	M 272.948	3.0	231	Lights control XALWA (Master) 204	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory

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
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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)

				<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2007/07 - 2010/12	M 272.971	3.5	272	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Turning angle sensor - Control unit power supply - Terminal 61 - Axle sensor signal, front - Axle sensor signal, rear - Terminal 56b voltage

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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M 272.911

2.5

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"> • 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	<ul style="list-style-type: none"> • 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 63 AMG**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • 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

2008/02	M 156.985	6.2	457		<ul style="list-style-type: none"> - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2008/02	M 156.985	6.2	457	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

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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204

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"> - 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
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

- **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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M 276.957
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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"> • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CGI	
Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification

2009/04	M2718...	1.8	184	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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)

				<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2009/04	M 271.860	1.8	204	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Turning angle sensor - Control unit power supply - Terminal 61 - Axle sensor signal, front - Axle sensor signal, rear - Terminal 56b voltage

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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231

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"> • 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
			<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
			<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Level valve front left - Level valve front right - Rear left, level valve - Level valve rear right

2009/05
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224

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> - Rear right damper valve actuation
2009/10	OM 642.832	3.0	231	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2009/05 - 2009/09	OM 642.961	3.0	224	<ul style="list-style-type: none"> - Security shutdown - Compressor relay - Compressor, runtime - Level control status - Rear left vehicle level - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
			<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Move right headlight range control to central position <ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Level valve front left - Level valve front right

2010/04	OM 651.912	2.1	204	<ul style="list-style-type: none"> - 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
			<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
			<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Driving with headlights range in central position

				<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 4MATIC
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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**

-	M 272.911	2.5	0		<ul style="list-style-type: none"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Control unit power supply - Terminal 56b voltage - Lights vertical regulation servo motor position

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

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Lights control
XALWA (Master) 204

Lights control
Intelligent Light System (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

- **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

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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
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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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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"> - 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 <ul style="list-style-type: none"> - 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
2010/10	OM 651.913	2.1	120	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Turning angle sensor - Control unit power supply - Terminal 61 - Axle sensor signal, front

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Control unit power supply

2011/01	M 276.957	3.5	306	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Control unit power supply - Kilometer reading - Terminal 56b voltage - Lights vertical regulation servo motor position - Lamp, ignition voltage - Lamp intensity

					<ul style="list-style-type: none"> - Main beam switch - Voltage at terminal 56a • Actuators <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 220 CDI Coupe
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2011/03	OM 651.911	2.1	170	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

2011/03

OM 651.911

2.1

204

- 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
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> - 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
2011/03	M 271.860	1.8	204	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 180 CGI Coupe

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

2011/03
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2012/04

M 271.820

1.8

156

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"> - Move left headlight range control to minimum position - Move left headlight range control to central position
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • 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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					<ul style="list-style-type: none"> - Air suspension compressor relay - Front left damper valve actuation - Front right damper valve actuation - Rear left damper valve actuation - Rear right damper valve actuation
2011/03	M 276.957	3.5	306	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Xenon light power increase - Xenon light standard power - Fog light
				Lights control XALWA (Slave) 204	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 63 AMG Coupe

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

2011/03
-

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"> - Voltage at terminal 56a • Actuators <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CDI T-Modell
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/09 - 2009/10	OM 646.811	2.2	136		<ul style="list-style-type: none"> - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> - Headlights Zero position - Status light control - Voltage at terminal 56a • Actuators <ul style="list-style-type: none"> - 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

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"> - 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
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Control unit power supply - Terminal 56b voltage - Lights vertical regulation servo motor position - Lamp, ignition voltage

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2007/09
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2009/03

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170

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2009/04	OM 651.911	2.1	170	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Turning angle sensor

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors

2007/09
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2009/04

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224

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/09
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2009/04

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224

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

<p>2007/09 - 2008/08</p>	<p>M 271.952</p>	<p>1.8</p>	<p>156</p>	<p>XALWA (Master) 204</p>	<ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Level valve front left - Level valve front right - Rear left, level valve

2007/09
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184

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

- 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 230 T-Modell

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

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"> - 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
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position - Move right headlight range control to minimum position - Move right headlight range control to central position
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Control unit power supply - Terminal 56b voltage - Lights vertical regulation servo motor position - Lamp, ignition voltage - Lamp intensity

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2007/09 - 2009/03	M 272.947	3.0	231	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 T-Modell
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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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2010/12

M 272.961

3.5

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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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification

2008/02	M 156.985	6.2	457	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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)

				<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2008/09 - 2010/04	M 271.910	1.6	156	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Turning angle sensor - Control unit power supply - Terminal 61 - Axle sensor signal, front - Axle sensor signal, rear - Terminal 56b voltage

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

2009/04

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184

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"> • 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	<ul style="list-style-type: none"> • 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 CGI T-Modell**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • 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

2009/04 M 271.860 1.8 204

- **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"> - Voltage at terminal 56a • Actuators <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 T-Modell	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - All doors status - CAN-bus, steering wheel rotation sensor - Speed reading - Supply voltage term.30 - System pressure - Wheel speed front left

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2009/10 - 2011/01	OM 642.830	3.0	231	<ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

				<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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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 **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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

2009/10	OM 642.832	3.0	231	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values

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"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

- **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"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Move right headlight range control to maximum position

					<ul style="list-style-type: none"> - Move right headlight range control to minimum position - Move right headlight range control to central position
				<p>Lights control Intelligent Light System (Slave) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CDI T-Modell**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Level valve front left

				<ul style="list-style-type: none"> - 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
2011/01	OM 651.913	2.1	120	<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

				<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CGI T-Modell	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • 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
<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • 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
<p>Lights control XALWA (Slave) 204</p>	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values - Control unit power supply - Terminal 56b voltage - Lights vertical regulation servo motor position

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2009/04 - 2011/01	M 272.947	3.0	231	<ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 T-Modell

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
-
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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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				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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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					
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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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					
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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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 **CL-Klasse [216] - CL 500 Coupe**

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

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"> - 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
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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

<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> - Rear right wheel acceleration • Identification • Clear errors • Error memory
<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 600 Coupe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test
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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"> - 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
			<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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

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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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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
					<ul style="list-style-type: none"> • Identification
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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"> - Left cornering light in center position - Left and right turning light
				Lights control XALWA Slave	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

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				<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">• Identification• Clear errors• Adjustments / settings<ul style="list-style-type: none">- Reset event counter• Error memory• Current values<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">• Identification• Clear errors• Adjustments / settings<ul style="list-style-type: none">- Tire inflation pressure set value change- Enter sensor code manually• Error memory• Current values<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">• Identification• Clear errors• Error memory
				<ul style="list-style-type: none">• Identification

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

				<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> - Left cornering light in center position - Left and right turning light • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA High Line (Slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Front left door exterior handle - Front right door exterior handle - Rear left door exterior handle - Rear right door exterior handle
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Transverse acceleration - Control unit power supply
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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Front right door exterior handle - Rear left door exterior handle - Rear right door exterior handle
				Electrical energy management Battery management 2.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Transverse acceleration - Control unit power supply
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
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Front right door exterior handle - Rear left door exterior handle - Rear right door exterior handle
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Transverse acceleration - Control unit power supply - Steering wheel rotation angle sensor
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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Rear left door exterior handle - Rear right door exterior handle
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Transverse acceleration - Control unit power supply - Steering wheel rotation angle sensor - reflexive angle
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Glow element duty cycle - Fuel metering pump pulse duration
					<ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLC-Klasse [203] - CLC 200 CDI
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLC-Klasse [203] - CLC 220 CDI
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLC-Klasse [203] - CLC 230 Sportcoupe
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLC-Klasse [203] - CLC 350
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/10					<ul style="list-style-type: none"> - Flame detection - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2009/02 - 2010/05	M 271.9...	1.6	129	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

2003/02 - 2006/09	M 271.940	1.8	163		<ul style="list-style-type: none"> - Fuel metering pump pulse duration • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer 				
Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 				
2006/10 - 2009/12	M 271.955	1.8	184	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - Corrections factor on road - Corrections factor at idle 				

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test
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					<ul style="list-style-type: none"> - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ CLK-Klasse [209] Cabrio - CLK 320 Cabrio

Year	Engine	Liters	HP	System	Functions
2003/02 - 2005/03	M 112.955	3.2	218	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls - Heating mode - Ventilation mode

2006/09 - 2009/12	M 273.967	5.5	388		<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump

2001/09 - 2006/08	M 113.987	5.4	367	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> - Circulation pump • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - Corrections factor on road

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2005/04 - 2009/12	M 272.960	3.5	272	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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

					<ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLK-Klasse [209] Cabrio - CLK 320 CDI Cabrio
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2006/09 - 2009/12	M 156.982	6.2	481	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply

2001/08 - 2006/08	M 113.987	5.4	367	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

2002/05 - 2006/07	M 113.968	5.0	306		<ul style="list-style-type: none"> - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2006/09 - 2009/04	M 273.967	5.5	388	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected

				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLK-Klasse [209] Coupe - CLK 320 Coupe
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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

					<ul style="list-style-type: none"> • Actuators - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLK-Klasse [209] Coupe - CLK 240 Coupe
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Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • 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
2002/05 - 2005/03	M 112.912	2.6	170	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values - Total run - speed - Tank level - Engine operation detected - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2002/09 - 2005/03	OM612962...	2.7	170	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply

<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"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Instrument cluster Instrument cluster 2.1.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower

2006/10 - 2009/04	M 271.955	1.8	184		<ul style="list-style-type: none"> - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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

					<ul style="list-style-type: none"> • Actuators - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ	CLK-Klasse [209] Coupe - CLK 320 CDI Coupe
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Year	Engine	Liters	HP	System	Functions
				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • 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
2005/04 - 2009/04	OM 642.910	3.0	224	Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values - Total run - speed - Tank level - Engine operation detected - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply

2005/04 - 2009/04	M 272.960	3.5	272	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/09 - 2009/04	M 156.982	6.2	481		<ul style="list-style-type: none"> - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Instrument cluster Instrument cluster 2.1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected - 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 <ul style="list-style-type: none"> - Display test - Instrument cluster indicator - Control lights - Warning buzzer
				Diagnosis/bus systems System diagnosis 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
2007/05 - 2009/04	M 156.982	6.2	507	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Total run - speed - Tank level - Engine operation detected

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit
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"> • Service date • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
					<ul style="list-style-type: none"> • Service date • Current values

2006/04
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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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2004/06 - 2006/08	M 113.990	5.4	476		<ul style="list-style-type: none"> • Identification • Clear errors

				<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
			<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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release

2005/05 - 2009/04	OM 642.920	3.0	224	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Service date
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2006/04
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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

					<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ **CLS-Klasse [219] - CLS 63 AMG Coupe**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2006/04 - 2011/02	M 156.983	6.2	514		<ul style="list-style-type: none"> • Identification

				<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
			<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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

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"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Service date • Current values <ul style="list-style-type: none"> - 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
				Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Service date • Current values
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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"> - 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
				Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

MERCEDES BENZ				E-Klasse [207] Cabrio - E 200 CGI Cabrio	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • 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

- **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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184

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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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"> - Front left damper valve actuation - Front right damper valve actuation - Rear left damper valve actuation - Rear right damper valve actuation <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/01
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204

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/01
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231

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2010/01 -	M 271.860	1.8	204	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Level valve front left - Level valve front right - Rear left, level valve
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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"> - 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 <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values

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

306

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 Cabrio
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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M 273.966

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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors

2010/01

M 272.988

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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

				<ul style="list-style-type: none"> - 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
2011/01	M 276.957	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - Power supply terminal 15 - Turning angle sensor - Driving speed - driving speed signal (vehicle)

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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 <ul style="list-style-type: none"> - 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
2011/02	M 278.922	4.7	408	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CGI Coupe

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

2009/02
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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**

2011/02

M 276.957

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306

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"> • 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
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				<ul style="list-style-type: none"> - 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
2009/02	OM 651.911	2.1	204	<p>Lights control Adaptive xenon light, left 4.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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2011/01

M 273.966

5.5

388

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"> - City light - Country light - Xenon light power increase - Xenon light power reduction
			<p>Lights control Adaptive xenon light/right 4.0</p>		<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CGI Coupe**

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

2009/02

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1.8

204

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values

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2011/03

OM 642.836

3.0

231

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"> - Front left damper valve actuation - Front right damper valve actuation - Rear left damper valve actuation - Rear right damper valve actuation <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2009/05	M 272.988	3.5	272	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Reverse gear signal - Dynamic headlight range control - Ignition auxiliary voltage - Xenon temperature - Headlight range control position - Left xenon light power • Actuators <ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> • Identification • Clear errors
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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

M 271.8...

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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
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2011/01 -	M 276.957	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear left vehicle level - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2011/02	M 278.922	4.7	408	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> • Service date • Current values <ul style="list-style-type: none"> - 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

2002/03
-
2006/03

OM 646.961

2.1

150

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

2006/04
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2009/03

OM 646.821

2.1

170

- 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"> - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 	
Lights control VARIO X Intelligent Light System (master)				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Long lights, left - 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"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 270 CDI	
Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory

2002/03
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2005/03

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

MERCEDES BENZ

E-Klasse [211] - E 240

Year	Engine	Liters	HP	System	Functions
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- **Service date**
- **Current values**

<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> - 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
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

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"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

2002/03
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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

2006/04
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2009/03

M 273.960

5.5

388

- 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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors

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2006/08

OM 648.961

3.2

204

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"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - Power supply terminal 15 - Vehicle driving speed

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
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					<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2
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<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> - 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
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

2002/03
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2006/03

M 271.941

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163

- 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

2006/04
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M 271.956

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184

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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation

2002/10
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M 113.990

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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
					<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5

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

2002/07
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2006/12

OM 646.951

2.1

122

- 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

2006/04
-
2009/03

OM
646.82...

2.1

136

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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls

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"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<p>Tire control system Tire pressure monitor 2.0</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 	
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 	
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 500 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5 - Service 6

<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> - Service 7 - Service 8 - Service 9 - Service 10 - Service 11 - Service 12 - Service 13 - Service 14 - Service 15 - Exhaust gas check - General inspection <ul style="list-style-type: none"> • Service interval display reset • Cancel last service reset
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

2003/09 - 2006/08	M 113.969	5.0	306	<ul style="list-style-type: none"> - 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
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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
 - Rear left tire temperature

2006/09
-
2009/01

M 273.962

5.5

388

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls - Heating mode - Ventilation mode

2003/09
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2009/03

M 112.917

2.6

177

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"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5 - Service 6 - Service 7 - Service 8 - Service 9

Dynamic service info 2.0	<ul style="list-style-type: none"> - 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
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<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
Lights control VARIO X Intelligent Light System (master)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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**

Year	Engine	Liters	HP	System	Functions
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				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right
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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"> • Service date • Current values <ul style="list-style-type: none"> - 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"> - Service 11 - Service 12 - Service 13 - Service 14 - Service 15 - Exhaust gas check - General inspection • Service interval display reset • Cancel last service reset
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				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - Rear left, sensor battery: Remaining life - Rear right, sensor battery: Remaining life
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right - Pressure sensor status, rear left - Pressure sensor status, rear right

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**

				<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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MERCEDES BENZ **E-Klasse [211] - E 350 4MATIC**

Year	Engine	Liters	HP	System	Functions
				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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
				<p>Heating / Air conditioner</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 280 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
				Service interval display	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5 - Service 6 - Service 7 - Service 8

Dynamic service info 2.0	<ul style="list-style-type: none"> - 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
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<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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- 2009/03	OM 642.921	3.0	190	<ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
Lights control VARIO X Intelligent Light System (master)				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Service date • Current values <ul style="list-style-type: none"> - 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
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left
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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"> - Country light • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation

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"> - Service 11 - Service 12 - Service 13 - Service 14 - Service 15 - Exhaust gas check - General inspection • Service interval display reset • Cancel last service reset
				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
2006/09 - 2007/08	M 272.944	3.0	0		

	<ul style="list-style-type: none"> - Rear left, sensor battery: Remaining life - Rear right, sensor battery: Remaining life
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 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"> • Service date • Current values <ul style="list-style-type: none"> - 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
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right - Pressure sensor status, rear left - Pressure sensor status, rear right
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2005/09
-
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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls

2006/06
-
2009/01

M 156.983

6.2

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

2004/04
-
2008/09

M 271.941

1.8

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"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5 - Service 6 - Service 7

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"> - 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
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • 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
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				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • 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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					<ul style="list-style-type: none"> • 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

					<ul style="list-style-type: none"> - Country light
				<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 230**

Year	Engine	Liters	HP	System	Functions
				<p>Service interval display Dynamic service info 2.0</p>	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater

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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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- 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"> • Service date • Current values <ul style="list-style-type: none"> - 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
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory
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<p>2003/02 - 2006/03</p>	<p>OM 646.961</p>	<p>2.1</p>	<p>150</p>	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
 - 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"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

				<ul style="list-style-type: none"> - 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
			<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
			<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - Rear left, sensor battery: Remaining life - Rear right, sensor battery: Remaining life
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 270 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"> • Service date • Current values <ul style="list-style-type: none"> - 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
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right - Pressure sensor status, rear left
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2003/02
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2005/03

OM 647.961

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177

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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold

2003/02
-
2005/03

OM 648.961

3.2

204

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"> - Service 12 - Service 13 - Service 14 - Service 15 - Exhaust gas check - General inspection • Service interval display reset • Cancel last service reset
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> - Rear left, sensor battery: Remaining life - Rear right, sensor battery: Remaining life <ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 KOMPRESSOR 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"> • Service date • Current values <ul style="list-style-type: none"> - 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
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right - Pressure sensor status, rear left - Pressure sensor status, rear right
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2003/02
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2006/03

M 271.941

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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"> - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <p>• Actuators</p> <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<p>2006/04 - 2009/08</p>	<p>M 271.956</p>	<p>1.8</p>	<p>184</p>	<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				<p>Lights control VARIO X Intelligent Light System (master)</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

				<ul style="list-style-type: none"> - Headlights Zero position - Steering version - Status light control - Voltage at terminal 56a - Transformer voltage - Lamp wattage set value - Symmetrical light distribution <p>• Actuators</p> <ul style="list-style-type: none"> - 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)	<p>• Identification</p> <p>• Clear errors</p> <p>• Adjustments / settings</p> <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off <p>• Error memory</p> <p>• Current values</p> <ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - 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 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<p>• Service date</p> <p>• Current values</p> <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5 - Service 6 - Service 7 - Service 8 - Service 9 - Service 10 - Service 11 - Service 12

	<ul style="list-style-type: none"> - Service 13 - Service 14 - Service 15 - Exhaust gas check - General inspection • Service interval display reset • Cancel last service reset
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Service date • Current values <ul style="list-style-type: none"> - 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
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				Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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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2003/02
-
2005/03

M 112.949

3.2

224

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls - Heating mode

2003/09 - 2006/08	M 113.969	5.0	306	<p>Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Service 14 - Service 15 - Exhaust gas check - General inspection • Service interval display reset • Cancel last service reset
				<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>2006/09 - 2009/08</p>	<p>M 273.962</p>	<p>5.5</p>	<p>388</p>		

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

2003/09
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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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

2003/09 - 2009/08	M 112.917	2.6	177	<ul style="list-style-type: none"> - Flame monitor/glow element unit - Flame detection - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <p>• Actuators</p> <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5 - Service 6 - Service 7 - Service 8 - Service 9

				<ul style="list-style-type: none"> - 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
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
Lights control VARIO X Intelligent Light System (master)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 T-Modell**

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right

2003/09 - 2006/03	M 113.967	5.0	306	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 	
Lights control VARIO X Intelligent Light System (master)				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2006/04
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2009/08

M 273.960

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388

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"> • Service date • Current values <ul style="list-style-type: none"> - 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"> - Service 11 - Service 12 - Service 13 - Service 14 - Service 15 - Exhaust gas check - General inspection • Service interval display reset • Cancel last service reset
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - Rear left, sensor battery: Remaining life - Rear right, sensor battery: Remaining life
<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
 - Rear right tire temperature
 - Front left tire temperature
 - Front right tire temperature
 - Rear left sensor code

2005/04
-
2009/08

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190

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/04
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2009/08

M 272.943

3.0

231

Tire control system
Tire pressure monitor 2.0

Diagnosis/bus systems
System diagnosis 2.0

Lights control

- 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
 - 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"> • Service date • Current values <ul style="list-style-type: none"> - 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"> - Service 12 - Service 13 - Service 14 - Service 15 - Exhaust gas check - General inspection • Service interval display reset • Cancel last service reset
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			<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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			<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> - Rear right, sensor battery: Remaining life • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 4MATIC T-Modell

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right - Pressure sensor status, rear left - Pressure sensor status, rear right - Rear left tire temperature

2005/04
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M 272.972

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272

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"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls - Heating mode - Ventilation mode

2005/04
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2009/08

OM 642.921

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190

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"> • Service date • Current values <ul style="list-style-type: none"> - Service 1 - Service 2 - Service 3 - Service 4 - Service 5 - Service 6 - Service 7 - Service 8 - Service 9

				<ul style="list-style-type: none"> - 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
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			Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
Lights control VARIO X Intelligent Light System (master)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 4MATIC T-Modell

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right

2005/04
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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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation

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M 156.983

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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

<p>2007/12 - 2009/08</p>	<p>M 272.985</p>	<p>3.5</p>	<p>292</p>	<ul style="list-style-type: none"> - 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
<p>Diagnosis/bus systems System diagnosis 2.0</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
<p>Lights control VARIO X Intelligent Light System (master)</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control VARIO X Intelligent Light System (slave)</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 200 CDI T-Modell

Year	Engine	Liters	HP	System	Functions
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit

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"> • Service date • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values

2007/09
-
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"> - 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 	
2008/12 -	OM 651.924	2.1	170	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values

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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>2008/08 - 2010/11</p>	<p>OM 642.850</p>	<p>3.0</p>	<p>231</p>		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode

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

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>2010/12 -</p>	<p>OM 642.852</p>	<p>3.0</p>	<p>265</p>	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CGI**

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

2009/04

M 272.983

3.5

292

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut

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

2009/04
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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)

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M 278.922

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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

- 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 CDI

Year	Engine	Liters	HP	System	Functions
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Underbody/Steering

- **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

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"> - Air suspension compressor relay - Front left damper valve actuation - Front right damper valve actuation - Rear left damper valve actuation - Rear right damper valve actuation <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - All doors status - CAN-bus, steering wheel rotation sensor - Speed reading - Supply voltage term.30 - System pressure

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2009/04	OM 651.925	2.1	136		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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 (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 BlueTec	
Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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 <ul style="list-style-type: none"> - 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
2009/04	OM 642.850	3.0	211	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Steered headlights to the right - City light - Country light - Xenon light power increase - Xenon light power reduction
			<p>Lights control Adaptive xenon light/right 4.0</p>		<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 63 AMG
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Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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 <ul style="list-style-type: none"> - 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
2011/04	M 157.981	5.5	525	<p>Lights control</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

<p>Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2009/04 -	M 272.952	3.0	231	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2011/07	M 276.952	3.5	252		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/04
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272

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

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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory

2009/01
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272

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"> - 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 <ul style="list-style-type: none"> - 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
2011/09 -	M 276.952	3.5	306	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 4MATIC
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Air suspension compressor relay - Front left damper valve actuation - Front right damper valve actuation - Rear left damper valve actuation - Rear right damper valve actuation <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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 <ul style="list-style-type: none"> - 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
2011/09	M 278.922	4.7	408	<p>Lights control</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 Level control 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/04
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2010/11

OM 642.856

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231

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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2010/12	OM 642.858	3.0	265		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2009/04 -	M 271.860	1.8	184	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 250 CGI

Year	Engine	Liters	HP	System	Functions
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- **Identification**
- **Clear errors**
- **Error memory**

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

2009/04

M 271.860

1.8

204

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 (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 CDI

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge

2009/12
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204

Underbody/Steering
Adaptive suspension system 4.0

- 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
 - 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**

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"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 NGT**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Battery voltage - CAN-bus, steering wheel rotation sensor - Speed reading - Wheel speed front left - Wheel speed front right
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2011/01	OM 651.924	2.1	204		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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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				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2011/07 -	M 276.952	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 220 CDI T-Modell

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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - All doors status - CAN-bus, steering wheel rotation sensor

				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2009/08	OM 651.924	2.1	204		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - Power supply terminal 15 - Turning angle sensor - Driving speed - driving speed signal (vehicle) - Terminal 61 - Xenon lamps voltage - Car level (horizontalty) sensor: front - Car level (horizontalty) sensor: rear

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
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				Underbody/Steering	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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				<p>Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 - Left xenon light power • Actuators <ul style="list-style-type: none"> - Driving with headlights range in maximum position - Driving with headlights range in minimum position - Move headlight range control to zero position - High beam light

					<ul style="list-style-type: none"> - Motorway light - Steered headlights to the left - Steered headlights to the right - City light - Country light - Xenon light power increase - Xenon light power reduction
				<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 BlueTec T-Modell**

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

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"> - 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 <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - All doors status - CAN-bus, steering wheel rotation sensor - Speed reading - Supply voltage term.30

2009/08
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OM 642.850

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231

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"> - Rear left vehicle level - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2010/12	OM 642.852	3.0	265	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 250 CGI T-Modell

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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2009/08
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
		<ul style="list-style-type: none"> • 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

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"> - Charging the rear left spring strut - Charging the rear right spring strut
				<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
2011/08	M 276.952	3.5	306		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/08
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292

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

2009/08
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2011/07

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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"> - 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 <ul style="list-style-type: none"> - 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
2011/08	M 278.922	4.7	408		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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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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	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> - Front right damper valve actuation - Rear left damper valve actuation - Rear right damper valve actuation <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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 <ul style="list-style-type: none"> - 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
2011/03	M 157.981	5.5	558	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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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

2011/09
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306

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"> • 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
					<ul style="list-style-type: none"> • 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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231

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

2010/12

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265

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values

2010/02
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231

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"> - Security shutdown - Compressor relay - Compressor, runtime - Level control status - Rear left vehicle level - Rear right vehicle level - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
2011/07	M 276.952	3.5	252	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> - City light - Country light - Xenon light power increase - Xenon light power reduction
			<p>Lights control Adaptive xenon light/right 4.0</p>		<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CDI T-Modell

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Level control 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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OM 642.850

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204

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"> - 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 <ul style="list-style-type: none"> - 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
2011/01	OM 642.850	3.0	231	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> • 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
2011/01	OM 651.924	2.1	204	<p>Lights control Adaptive xenon light, left 4.0</p>	<ul style="list-style-type: none"> • 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
		<ul style="list-style-type: none"> • 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - Rear suspension, pressure discharge - Charging the rear left spring strut - Charging the rear right spring strut
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> - 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 <ul style="list-style-type: none"> - 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
			<p>Lights control Adaptive xenon light/right 4.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Special functions <ul style="list-style-type: none"> - Tourist mode • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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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
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit

					<ul style="list-style-type: none"> - Fuel dosing pump - Circulation pump
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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
2005/12	M271.941	1.8	163		

				<ul style="list-style-type: none"> - Symmetrical light distribution <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release

2006/11

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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"> • Current values <ul style="list-style-type: none"> - 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
<p>Heating / Air conditioner Auxiliary / supplementary heater 2.1</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/11

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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
				Service interval display Dynamic service info 2.0	<ul style="list-style-type: none"> • Service date • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

2007/07

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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"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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	G-Klasse [461] - 230 G
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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

					<ul style="list-style-type: none"> • Actuators - Central locking system open - Central locking system close
1992/04 - 1995/09	M 102.958	2.3	107	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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] - 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"> • Identification • Clear errors • Error memory • Current values - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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] - 230 GE	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values - Power supply 	

1992/04 - 1995/09	M 102.997	2.3	125	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Central locking system open - Central locking system close
1989/10 - 1995/09	M 102.981	2.3	125	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close
1993/04 - 1995/09	M 102.979;996	2.3	122	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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] - 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close
1990/04 - 1997/09	OM 602.939	2.5	94	Immobilizer Immobilizer 1.1	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8

- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 [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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory
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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"> • 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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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"> • 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 	

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"> • 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 	

1997/07					<ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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MERCEDES BENZ	G-Klasse [463] - 200 GE
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

MERCEDES BENZ	G-Klasse [463] - 350 GD Turbo
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump 	

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump 	

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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MERCEDES BENZ	G-Klasse [463] - G 300
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation - Undervoltage shutoff threshold - Number of authorized remote controls - Heating mode - Ventilation mode
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower

					<ul style="list-style-type: none"> - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
1997/12 - 2006/08	M 112.945	3.2	215	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
1997/06 - 1997/11	M 112.945	3.2	209	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

MERCEDES BENZ
G-Klasse [463] - G 300 DT

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Coolant temperature - Status of park heater - Circulation pump actuation

1996/09 - 2000/11	OM 606.964	3.0	177	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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MERCEDES BENZ	G-Klasse [463] - G 500
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit
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					<ul style="list-style-type: none"> - Fuel dosing pump - Circulation pump
1998/06 - 2005/09	M 113.962	5.0	296	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2001/09 - 2008/08	M 113.962	5.0	0	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2009/12 -	M 273.963	5.5	388	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Flame detection - Fuel dosing pump - Combustion air fan output - Glow element duty cycle - Fuel metering pump pulse duration <p>• Actuators</p> <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
2008/06 -	M 273.963	5.5	388	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<p>• Identification</p> <p>• Clear errors</p> <p>• Adjustments / settings</p> <ul style="list-style-type: none"> - Control unit release <p>• Error memory</p> <p>• Current values</p> <ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

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	<p>• Identification</p> <p>• Clear errors</p> <p>• Adjustments / settings</p> <ul style="list-style-type: none"> - Control unit release <p>• Error memory</p> <p>• Current values</p> <ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

MERCEDES BENZ
G-Klasse [463] - G 270 CDI

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump

MERCEDES BENZ					
G-Klasse [463] - G 55 AMG KOMPRESSOR					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - Power supply

2004/04 -	M 113.993	5.4	476 - 507	Heating / Air conditioner Auxiliary / supplementary heater 2.1	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Control unit release • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Combustion air blower - Flame monitor/glow element unit - Fuel dosing pump - Circulation pump 	

MERCEDES BENZ					GL-Klasse [164] - GL 320 CDI 4MATIC	
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 	

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

<p>2006/02 - 2009/04</p>	<p>OM 629.912</p>	<p>4.0</p>	<p>306</p>	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
2006/02	M 273.923	4.7	340	<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Voltage at terminal 56a - Transformer voltage - Lamp wattage set value - Symmetrical light distribution <ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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 500 4MATIC
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • 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

2006/02
-
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
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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
 - 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

2008/09
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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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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
2009/04	OM 642.820	3.0	211	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 350 CDI 4MATIC

Year	Engine	Liters	HP	System	Functions
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- **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

2009/05
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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"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Reduce rear axle pressure - Central accumulator valve - Air suspension compressor relay
2009/05	OM 629.912	4.0	306	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - Long lights, left - Driving with headlights range in central position

					<ul style="list-style-type: none"> - 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)		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 **GLK-Klasse [204] - GLK 320 CDI 4MATIC**

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

2008/09
-
2009/04

OM 642.961

3.0

224

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

2008/09 - 2011/04	M 272.971	3.5	272	Lights control XALWA (Master) 204	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values

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

2008/09 - 2009/04	M 272.948	3.0	231		<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

2008/06

OM 651.912

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163 - 170

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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**

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 4.0	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/09

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272

Lights control
XALWA (Master) 204

Lights control
Intelligent Light System (Master) 204

- **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
 - 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"> - Voltage at terminal 56a • Actuators <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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

2009/04

OM 651.916

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163 - 170

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2009/04
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OM 642.832

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231

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 250 CDI 4MATIC
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

			<p>Underbody/Steering Adaptive suspension system 4.0</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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 **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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> - Rear left damper valve actuation - Rear right damper valve actuation
2010/07 -	OM 651.91...	2.1	143	<p>Lights control XALWA (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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
				<p>Lights control Intelligent Light System (Master) 204</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 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

2009/05
-
M 272.948
3.0
231

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed

2011/06

M 276.957

3.5

306

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"> - Lamp intensity - Main beam switch - Voltage at terminal 56a <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	M-Klasse [164] - ML 350 4MATIC
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> • 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

				<ul style="list-style-type: none"> - 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
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 500 4MATIC

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

				<p>Underbody/Steering Adaptive suspension system 9.12.4</p>	<ul style="list-style-type: none"> - Front left acceleration sensor power supply - Rear right acceleration sensor power supply - Rear left vehicle level - Terminal 87 - Rear right vehicle level • Actuators <ul style="list-style-type: none"> - 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
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

- **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	<ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/07 - 2009/04	OM 642.940	3.0	190	<p>- Centr. pressure accum., charging</p> <p>- Build up front axle pressure</p> <p>- Reduce front axle pressure</p> <p>- Build up rear axle pressure</p> <p>- Reduce rear axle pressure</p> <p>- Central accumulator valve</p> <p>- Air suspension compressor relay</p>	
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Symmetrical light distribution <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - 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)		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 320 CDI 4MATIC
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/03
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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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/02
-
2010/11

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

2006/02
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2009/04

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"> • 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)		<ul style="list-style-type: none"> • 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 CDI 4MATIC
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • 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

2010/02
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2011/08

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

2009/05
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2010/01

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2009/05
-
2011/07

OM 642.820

3.0

211

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
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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

2009/05
-
2011/07

OM 642.820

3.0

204

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"> - 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
				<p>Lights control VARIO X Intelligent Light System (master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control VARIO X Intelligent Light System (slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 CDI 4MATIC

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Adaptive suspension system 9.12.4	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit

2009/05
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2011/01

OM 629.912

4.0

306

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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
2009/09	M 272.973	3.5	335	<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors - Symmetrical light distribution on - Symmetrical light distribution off • Error memory • Current values <ul style="list-style-type: none"> - 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

M-Klasse [166] - ML 250 BlueTec 4MATIC

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Passenger compartment key detection - Key recognition outside vehicle • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driver's door central locking signal

				<p>Immobilizer Access system/immobilizer 4.5</p>	<ul style="list-style-type: none"> - Passenger's door central locking signal - Open-microswitch, hatchback - Door handle sensor, front left - Door handle sensor, front right - Door handle sensor, rear left - Door handle sensor, rear right - Central locking system status - Central locking response rear left door - Central locking response rear right door - Ignition starter switch status - Start/stop button status - Front left latches micro-switch - Front right latches micro-switch - Rear left latches micro-switch - Rear right latches micro-switch - Rear lid central locking - Rear lid handle sensor
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset operating hours counter, left dipped beam - Reset operating hours counter, right dipped beam • Error memory • Current values <ul style="list-style-type: none"> - reflexive angle - Steering wheel rotation angle - Xenon lamps voltage - Power supply Clamp 15 - Wheel speed front left - Wheel speed front right - Tourist mode status - Left turning light brightness control - Right turning light brightness control - Wheel speed rear left - Wheel speed rear right - Left dynamic cornering light control motor status - Right dynamic cornering light control motor status - Terminal 15 status - Main beam status - Turn signal indicator status - Vehicle front left level - ALWR servo motor right - ALWR servo motor left - Left xenon light voltage - Right xenon light voltage - 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 <ul style="list-style-type: none"> - 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 350 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification
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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"> • Clear errors • Functional tests <ul style="list-style-type: none"> - Passenger compartment key detection - Key recognition outside vehicle • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driver's door central locking signal - Passenger's door central locking signal - Open-microswitch, hatchback - Door handle sensor, front left - Door handle sensor, front right - Door handle sensor, rear left - Door handle sensor, rear right - Central locking system status - Central locking response rear left door - Central locking response rear right door - Ignition starter switch status - Start/stop button status - Front left latches micro-switch - Front right latches micro-switch - Rear left latches micro-switch - Rear right latches micro-switch - Rear lid central locking - Rear lid handle sensor
				<p>Lights control Light control (Intelligent Light System) 4.5</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset operating hours counter, left dipped beam - Reset operating hours counter, right dipped beam • Error memory • Current values <ul style="list-style-type: none"> - reflexive angle - Steering wheel rotation angle - Xenon lamps voltage - Power supply Clamp 15 - Wheel speed front left - Wheel speed front right - Tourist mode status - Left turning light brightness control - Right turning light brightness control - Wheel speed rear left - Wheel speed rear right - Left dynamic cornering light control motor status - Right dynamic cornering light control motor status - Terminal 15 status - Main beam status - Turn signal indicator status - Vehicle front left level - ALWR servo motor right - ALWR servo motor left - Left xenon light voltage - Right xenon light voltage - 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 <ul style="list-style-type: none"> - High beam light - Function test, headlight range control - Dynamic steered headlights - Left and right turning light

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Passenger compartment key detection - Key recognition outside vehicle • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driver's door central locking signal - Passenger's door central locking signal - Open-microswitch, hatchback - Door handle sensor, front left - Door handle sensor, front right - Door handle sensor, rear left - Door handle sensor, rear right - Central locking system status - Central locking response rear left door - Central locking response rear right door - Ignition starter switch status - Start/stop button status - Front left latches micro-switch - Front right latches micro-switch - Rear left latches micro-switch - Rear right latches micro-switch - Rear lid central locking - Rear lid handle sensor
2011/06	M 276.955	3.5	306	Lights control Light control (Intelligent Light System) 4.5	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset operating hours counter, left dipped beam - Reset operating hours counter, right dipped beam • Error memory • Current values <ul style="list-style-type: none"> - reflexive angle - Steering wheel rotation angle - Xenon lamps voltage - Power supply Clamp 15 - Wheel speed front left - Wheel speed front right - Tourist mode status - Left turning light brightness control - Right turning light brightness control - Wheel speed rear left - Wheel speed rear right - Left dynamic cornering light control motor status - Right dynamic cornering light control motor status - Terminal 15 status - Main beam status - Turn signal indicator status - Vehicle front left level - ALWR servo motor right - ALWR servo motor left - Left xenon light voltage - Right xenon light voltage - 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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Passenger compartment key detection - Key recognition outside vehicle • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driver's door central locking signal - Passenger's door central locking signal - Open-microswitch, hatchback - Door handle sensor, front left - Door handle sensor, front right - Door handle sensor, rear left - Door handle sensor, rear right - Central locking system status - Central locking response rear left door - Central locking response rear right door - Ignition starter switch status - Start/stop button status - Front left latches micro-switch - Front right latches micro-switch - Rear left latches micro-switch - Rear right latches micro-switch - Rear lid central locking - Rear lid handle sensor
2011/08	M 157.982	5.5	525	Lights control Light control (Intelligent Light System) 4.5	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset operating hours counter, left dipped beam - Reset operating hours counter, right dipped beam • Error memory • Current values <ul style="list-style-type: none"> - reflexive angle - Steering wheel rotation angle - Xenon lamps voltage - Power supply Clamp 15 - Wheel speed front left - Wheel speed front right - Tourist mode status - Left turning light brightness control - Right turning light brightness control - Wheel speed rear left - Wheel speed rear right - Left dynamic cornering light control motor status - Right dynamic cornering light control motor status - Terminal 15 status - Main beam status - Turn signal indicator status - Vehicle front left level - ALWR servo motor right - ALWR servo motor left - Left xenon light voltage - Right xenon light voltage - Left xenon light power - Right xenon light power - Rear left vehicle level

				<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - High beam light - Function test, headlight range control - Dynamic steered headlights - Left and right turning light - Intelligent Light System actuation
				<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Passenger compartment key detection - Key recognition outside vehicle • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Driver's door central locking signal - Passenger's door central locking signal - Open-microswitch, hatchback - Door handle sensor, front left - Door handle sensor, front right - Door handle sensor, rear left - Door handle sensor, rear right - Central locking system status - Central locking response rear left door - Central locking response rear right door - Ignition starter switch status - Start/stop button status - Front left latches micro-switch - Front right latches micro-switch - Rear left latches micro-switch - Rear right latches micro-switch - Rear lid central locking - Rear lid handle sensor
2011/11	M 157.982	5.5	558	<p>Immobilizer Access system/immobilizer 4.5</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset operating hours counter, left dipped beam - Reset operating hours counter, right dipped beam • Error memory • Current values <ul style="list-style-type: none"> - reflexive angle - Steering wheel rotation angle - Xenon lamps voltage - Power supply Clamp 15 - Wheel speed front left - Wheel speed front right - Tourist mode status - Left turning light brightness control - Right turning light brightness control - Wheel speed rear left - Wheel speed rear right - Left dynamic cornering light control motor status - Right dynamic cornering light control motor status - Terminal 15 status - Main beam status - Turn signal indicator status - Vehicle front left level - ALWR servo motor right - ALWR servo motor left - Left xenon light voltage - Right xenon light voltage <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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 4MATIC**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory
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<p>2005/09 - 2011/09</p>	<p>M 272.967</p>	<p>3.5</p>	<p>272</p>	<p>Underbody/Steering Adaptive suspension system 9.12.4</p>	<ul style="list-style-type: none"> • 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
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • 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 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

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"> - 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
				<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 280 CDI 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - Supply voltage term.30 - System pressure - Country version - Model series - Vehicle front left level - Vehicle front right level - Security shutdown

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right - Pressure sensor status, rear left
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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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2007/05 - 2009/04	M 272.945	3.0	231		<ul style="list-style-type: none"> - 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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2009/07	M 272.945	3.0	231		<ul style="list-style-type: none"> - 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
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 BlueTec 4MATIC**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/05	OM 642.870	3.0	211	<p>Underbody/Steering Adaptive suspension system 9.12.4</p>	<ul style="list-style-type: none"> - 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
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

				<p>Tire control system Tire pressure monitor 2.0</p> <ul style="list-style-type: none"> - 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
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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 350 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

2010/05 -	OM 642.872	3.0	265	<ul style="list-style-type: none"> - 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 	
				<p>Tire control system Tire pressure monitor 2.0</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - Supply voltage term.30 - System pressure - Country version - Model series - Vehicle front left level

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - Pressure sensor status, front left - Pressure sensor status, front right
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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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

2009/05 - 2010/05	OM 642.950	3.0	190	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

S-Klasse [220] - S 320

Year	Engine	Liters	HP	System	Functions
1998/10 -	M 112.944	3.2	224	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30

2002/08					<ul style="list-style-type: none"> - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - Tail lamps - Brake lights - License plates illuminating lamp - Backup light - Trunk lights
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
1998/10 - 2005/09	M 113.941	4.3	279	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
2000/06 - 2005/08	M 113.960	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level

1998/10 - 2006/08	M 113.960	5.0	306	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
2002/09 - 2005/08	OM 648.960	3.2	204	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch

- **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"> • Identification • Clear errors • Error memory • Current values - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • 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
1999/08 - 2005/08	M 137.970	5.8	367	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators - Tail lamps - Brake lights - License plates illuminating lamp - Backup light - Trunk lights - Rear window heating - Sun blind Up

					<ul style="list-style-type: none"> - Sun blind Down - Rear left belt comfort fit actuator solenoid valve - Rear right belt comfort fit actuator solenoid valve - Rear blinker
2002/09 - 2006/01	M 275.950	5.5	500	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory

2003/09 - 2005/08	OM 628.960	4.0	260	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Current values - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • 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
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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"> • Identification • Clear errors • Error memory • Current values - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • 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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door
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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"> - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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MERCEDES BENZ	S-Klasse [220] - S 55 AMG KOMPRESSOR
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
2002/09 - 2005/08	113.991	5.4	500	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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 	

2002/09 - 2006/08	M 112.972	3.7	245	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • Actuators <ul style="list-style-type: none"> - 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 65 AMG**

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

2004/02 - 2006/08	M 275.980	6.0	612	Central electronics Rear central electronics 9.12.2	<ul style="list-style-type: none"> • Current values - Power supply - Signal Clamp 54 - Left front door - Right front door - Tank level - Left-rear door - Right rear door - Trunk top - Inclination sensor - Rear right brake lining - Supply voltage term.30 - Rear left belt comfort fit switch - Rear right belt comfort fit switch • 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
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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"> • 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

	<ul style="list-style-type: none"> - Damper mode - Central accumulator valve power input - Terminal 87 - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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

2005/09 - 2011/01	M 272.965	3.5	272		<ul style="list-style-type: none"> - Number of closed circuit relay activations - Last closed circuit relay activation - Closed circuit relay activation: Cause - Control unit temperature - Loads switch off
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Right cornering light, left swivel - Right cornering light, right swivel - Right cornering light in center position
				Lights control XALWA High Line (Slave)	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - Central accumulator valve power input - Terminal 87 - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Last closed circuit relay activation - Closed circuit relay activation: Cause - Control unit temperature - Loads switch off
2005/09 - 2011/01	M 273.961	5.5	388	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - 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
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Right cornering light, right swivel - Right cornering light in center position
				Lights control XALWA High Line (Slave)	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 600
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Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - Terminal 87 - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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

				<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p> <ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				<p>Lights control XALWA Master</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - Left cornering light, left swivel - Left cornering light, right swivel - Left cornering light in center position - Left and right turning light
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

				<p>Lights control XALWA High Line (Slave)</p>	<ul style="list-style-type: none"> - Right cornering light in center position • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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MERCEDES BENZ **S-Klasse [221] - S 320 CDI**

Year	Engine	Liters	HP	System	Functions
				<p>Underbody/Steering Level control 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - Terminal 87 - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - Closed circuit relay activation: Cause - Control unit temperature - Loads switch off <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

S-Klasse [221] - S 65 AMG

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

	<ul style="list-style-type: none"> - Terminal 87 - Sports mode LED • Actuators <ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/07 - 2011/02	M 275.982	6.0	612	<ul style="list-style-type: none"> - Closed circuit relay activation: Cause - Control unit temperature - Loads switch off
				<p>Tire control system Tire pressure monitor 2.2</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p> <ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				<p>Lights control XALWA Master</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - Left cornering light, right swivel - Left cornering light in center position - Left and right turning light
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

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"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

2010/09	M 275.982	6.0	630	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

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
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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

	<ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

2006/06
-
2010/07

M 273.922

4.7

340

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"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change

2006/06 - 2010/07	M 273.924	4.7	340	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory 	
Lights control XALWA Master				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 	
				<ul style="list-style-type: none"> • 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 500 4MATIC

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change

2006/06 - 2011/01	M 273.968	5.5	388	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually

2006/12
-
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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values

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"> - 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
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - Battery voltage - Rear left tire temperature - Rear right tire temperature - Front left tire temperature - Front right tire temperature

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - Charging the rear left spring strut - Charging the rear right spring strut - Central pressure accum., pressure discharge - Centr. pressure accum., charging - Button LED
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - Battery voltage - Rear left tire temperature - Rear right tire temperature - Front left tire temperature - Front right tire temperature - Rear left sensor code

2007/04
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2011/01

M 272.975

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272

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - Charging the rear left spring strut - Charging the rear right spring strut - Central pressure accum., pressure discharge - Centr. pressure accum., charging - Button LED
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - Battery voltage - Rear left tire temperature - Rear right tire temperature - Front left tire temperature - Front right tire temperature - Rear left sensor code

2009/04	M 272.974	3.5	279	Tire control system Tire pressure monitor 2.2	<ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory 	
Lights control XALWA Master				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 	
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 	

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

	<ul style="list-style-type: none"> - Charging the rear right spring strut - Central pressure accum., pressure discharge - Centr. pressure accum., charging - Button LED
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> - 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 	
<p>Diagnosis/bus systems System diagnosis 2.3</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory 	
<p>Lights control XALWA Master</p>				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 	
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 	

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - Central pressure accum., pressure discharge - Centr. pressure accum., charging - Button LED
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Tire control system</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/05 - 2010/06	OM 642.930	3.0	235	Tire pressure monitor 2.2	<ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory 	
Lights control XALWA Master				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 	
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 	

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - Centr. pressure accum., charging - Button LED
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/07 -	OM 642.862	3.0	258	<ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
Lights control XALWA Master				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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	<ul style="list-style-type: none"> - Centr. pressure accum., charging - Button LED
<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/07

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258

- 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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

<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> - Button LED • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/09
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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

<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA Slave</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA High Line (Slave)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
 - 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

2010/09 -	M 276.950	3.5	306	<ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
Lights control XALWA Master				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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"> - 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 <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification

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"> - 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				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory 	
Lights control XALWA Master				<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)				<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

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"> - 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
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Diagnosis/bus systems System diagnosis 2.3	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
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Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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Lights control XALWA High Line (Master)	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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
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- 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

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"> - 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
				<p>Diagnosis/bus systems System diagnosis 2.3</p> <ul style="list-style-type: none"> • Identification • Clear errors • Error memory
				<p>Lights control XALWA Master</p> <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
				<p>Lights control XALWA High Line (Master)</p> <ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

				<ul style="list-style-type: none"> - Steered headlights position - Headlights Zero position - Status light control - Voltage at terminal 56a • Actuators <ul style="list-style-type: none"> - 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
		<p>Lights control XALWA Slave</p>		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
		<p>Lights control XALWA High Line (Slave)</p>		<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition

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"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
Lights control XALWA Master	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

Year	Engine	Liters	HP	System	Functions
				Underbody/Steering Level control 2.3	<ul style="list-style-type: none"> • Identification • Clear errors • Functional tests <ul style="list-style-type: none"> - Pressure supply test • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Passenger compartment key detection - Luggage compartment key recognition

				<p>Immobilizer Access system/immobilizer 2.3</p>	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Electrical energy management Battery management 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Reset event counter • Error memory • Current values <ul style="list-style-type: none"> - 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
				<p>Tire control system Tire pressure monitor 2.2</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Tire inflation pressure set value change - Enter sensor code manually • Error memory • Current values <ul style="list-style-type: none"> - 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
<p>2009/05 - 2010/06</p>	<p>OM 629.911</p>	<p>4.0</p>	<p>320</p>		

	<ul style="list-style-type: none"> - Rear axle tire pressure set value - Front left wheel acceleration - Front right wheel acceleration - Rear left wheel acceleration - Rear right wheel acceleration
<p>Diagnosis/bus systems System diagnosis 2.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory
<p>Lights control XALWA Master</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
<p>Lights control XALWA High Line (Master)</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - Status light control - Voltage at terminal 56a • Actuators <ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Zero point programming axle sensors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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)		<ul style="list-style-type: none"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
2006/01 - 2012/11	M 273.965	5.5	388	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/01 - 2007/12	M 272.966	3.5	272	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> - 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
2008/01 - 2011/12	M 272.968	3.5	316	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 **SL-Klasse [230] - SL 600**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings
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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"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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
<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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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				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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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				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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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 **SL-Klasse [230] - SL 300**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory

2009/05 - 2011/12	M 272.949	3.0	231	Tire control system Tire pressure monitor 2.0	<ul style="list-style-type: none"> • 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
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MERCEDES BENZ						SLK-Klasse [171] - SLK 200 KOMPRESSOR					
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"> • Identification • Clear errors • Read configuration • Error memory 					
2007/12 - 2010/11	M 271.954	1.8	184	Diagnosis/bus systems System diagnosis 2.0		<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 					

MERCEDES BENZ						SLK-Klasse [171] - SLK 350					
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"> • Identification • Clear errors • Read configuration • Error memory 					
2007/12 - 2011/02	M 272.969	3.5	305	Diagnosis/bus systems System diagnosis 2.0		<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory 					

MERCEDES BENZ						SLK-Klasse [171] - SLK 55 AMG					
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"> • Identification • Clear errors • Read configuration • Error memory 					

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read the event memory - Status change, control unit • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/12					<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> • Identification • Clear errors • Read configuration • Error memory

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close 	

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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 	

- 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"> • Identification • Clear errors • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Key 1 - Key 2 - Key 3 - Key 4 - Key 5 - Used switch at the moment - Switch 6 - Switch 7 - Switch 8 - 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 <ul style="list-style-type: none"> - Central locking system open - Central locking system close

[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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection - Seat backrest lock front driver's side - Seat backrest lock front passenger's side

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection - Seat backrest lock front driver's side - Seat backrest lock front passenger's side

MINI (BMW)

Mini [R 50] - One 1.4 i

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

2002/09 - 2004/12	W10 B14A	1.4	75	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection - Seat backrest lock front driver's side - Seat backrest lock front passenger's side
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection - Seat backrest lock front driver's side - Seat backrest lock front passenger's side
2005/09 - 2006/11	1 ND	1.4	88	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection - Seat backrest lock front driver's side - Seat backrest lock front passenger's side 	
2004/08 - 2006/11	W11 B16A	1.6	170	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection - Seat backrest lock front driver's side - Seat backrest lock front passenger's side 	

MINI (BMW)						Mini [R 53] - John Cooper Works
Year	Engine	Liters	HP	System	Functions	
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front 	

2003/10 - 2004/07	W11 B16A	1.6	200	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection - Seat backrest lock front driver's side - Seat backrest lock front passenger's side
2004/08 - 2006/11	W11 B16A	1.6	210 - 218	Airbag Airbag AB 8.1 R	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration • Error memory • Current values <ul style="list-style-type: none"> - Ignition circuit 1, driver, front - Ignition circuit 2, driver, front - Ignition circuit 1, passenger, front - Ignition circuit 2, passenger, front - Seat occupation sensor front passenger's side front - Seat belt lock switch driver seat front - Seat belt lock switch front passenger seat - Seat belt pre-load device driver front - Seat belt pre-load device front passenger front - Side airbag left front - Side airbag right front - Windowbag left front - Windowbag right front - Lateral impact sensor left - Lateral impact sensor right - Ignition circuit 1 Battery disconnection - Ignition circuit 2 Battery disconnection

- | | | | | | |
|--|--|--|--|--|--|
| | | | | | <ul style="list-style-type: none">- Seat backrest lock front driver's side- Seat backrest lock front passenger's side |
|--|--|--|--|--|--|

[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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save • Error memory • Current values <ul style="list-style-type: none"> - Oil pressure switch - Odometer - Service interval (months) - Service interval, mileage - Remaining time (months) - Parking brake switch - Remaining distance in km • Actuators <ul style="list-style-type: none"> - Warning lights - Revolution meter - Instrument lighting - Warning buzzer

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save • Error memory • Current values <ul style="list-style-type: none"> - Oil pressure switch - Odometer - Service interval (months) - Service interval, mileage - Remaining time (months) - Parking brake switch - Remaining distance in km • Actuators <ul style="list-style-type: none"> - Warning lights - Revolution meter - Instrument lighting - Warning buzzer

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

2010/10

4HL

2.2

204

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

2010/10

4HL

2.2

204

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	• Adjustments / settings - 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		• Adjustments / settings - 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		• Adjustments / settings - Vehicle configuration					
2010/07 -	4HM	2.2	129	Special systems Configuration alignment 2.0		• Adjustments / settings - Vehicle configuration					
2011/06 -	4HG	2.2	110	Special systems Configuration alignment 2.0		• Adjustments / settings - 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		• Adjustments / settings - Vehicle configuration					
2010/01 -	F1CE3481N	3.0	146	Special systems Configuration alignment 2.0		• Adjustments / settings - Vehicle configuration					
2010/04 -	F1CE3481D	3.0	156	Special systems Configuration alignment 2.0		• Adjustments / settings - Vehicle configuration					
2011/03 -	F1CE3481E	3.0	177	Special systems Configuration alignment 2.0		• Adjustments / settings - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 <ul style="list-style-type: none"> - Display test - Instrument lighting - Instrument cluster indicator - Warning buzzer - Instrument cluster indication lamps

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge

2012/05 -	D4F 740	1.2	73	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 <ul style="list-style-type: none"> - Display test - Instrument lighting - Instrument cluster indicator - Warning buzzer - Instrument cluster indication lamps
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 <ul style="list-style-type: none"> - Display test - Instrument lighting

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 <ul style="list-style-type: none"> - Display test - Instrument lighting - Instrument cluster indicator - Warning buzzer - Instrument cluster indication lamps

RENAULT				Clio IV [BH] - Clio IV 1.2 TCe	
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank

2013/01 -	H5F 403	1.2	120	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 <ul style="list-style-type: none"> - Display test - Instrument lighting - Instrument cluster indicator - Warning buzzer - Instrument cluster indication lamps
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 <ul style="list-style-type: none"> - Display test - Instrument lighting - Instrument cluster indicator - Warning buzzer - Instrument cluster indication lamps

RENAULT Clio IV [KH] Grandtour - Clio IV 1.5 dCi Grandtour

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage

2012/11 -	K9K 612	1.5	75	Instrument cluster Instrument cluster 3.11	<ul style="list-style-type: none"> - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - 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 <ul style="list-style-type: none"> - Display test - Instrument lighting - Instrument cluster indicator - Warning buzzer - Instrument cluster indication lamps
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - The ambient temperature - brake fluid level - Fuel level sensor - Fuel level in the tank - Oil pressure switch - Maintenance interval in days - Remaining mileage in days - Fuel level gauge - Service interval display in days - Fuel reserve quantity - Status Handbrake - Tank level indication, segment 1 - Tank level indication, segment 2 - Tank level indication, segment 3 - Tank level indication, segment 4 - Tank level indication, segment 5 - Tank level indication, segment 6 - Tank level indication, segment 7 - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration - Control unit reset - Service interval adjustment - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - Contact switch - brake fluid level - Warning lights - Short lights - High beam light - Driver door - Passenger's seat - Rear fog light - Driver's seat belt fastener switch - passenger's seat belt fastener switch - Oil pressure switch - Odometer - Seat belt control light - Service control light - Fog light - Service interval (months) - Remaining time (months) - Parking brake switch - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Warning lights - Revolution meter - Segment test - Instrument lighting - Warning audio tone emitter - Warning buzzer - Instruments and control lights - Analogue display test

RENAULT **Kangoo II [FW/KW] - Kangoo II 1.6**

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

2008/01 -	K7M 750	1.6	87	Instrument cluster Instrument cluster 3.8	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration - Control unit reset - Service interval adjustment - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - Contact switch - brake fluid level - Warning lights - Short lights - High beam light - Driver door - Passenger's seat - Rear fog light - Driver's seat belt fastener switch - passenger's seat belt fastener switch - Oil pressure switch - Odometer - Seat belt control light - Service control light - Fog light - Service interval (months) - Remaining time (months) - Parking brake switch - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Warning lights - Revolution meter - Segment test - Instrument lighting - Warning audio tone emitter - Warning buzzer - Instruments and control lights - Analogue display test
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration - Control unit reset - Service interval adjustment - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - Contact switch - brake fluid level - Warning lights - Short lights - High beam light - Driver door - Passenger's seat - Rear fog light

2008/01 -	K9K 802	1.5	68	Instrument cluster Instrument cluster 3.8	<ul style="list-style-type: none"> - Driver's seat belt fastener switch - passenger's seat belt fastener switch - Oil pressure switch - Odometer - Seat belt control light - Service control light - Fog light - Service interval (months) - Remaining time (months) - Parking brake switch - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights <p>• Actuators</p> <ul style="list-style-type: none"> - Warning lights - Revolution meter - Segment test - Instrument lighting - Warning audio tone emitter - Warning buzzer - Instruments and control lights - Analogue display test
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration - Control unit reset - Service interval adjustment - Service interval display reset • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Mileage - Contact switch - brake fluid level - Warning lights - Short lights - High beam light - Driver door - Passenger's seat - Rear fog light - Driver's seat belt fastener switch - passenger's seat belt fastener switch - Oil pressure switch - Odometer - Seat belt control light - Service control light - Fog light - Service interval (months) - Remaining time (months) - Parking brake switch - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Service interval adjustment - Tilt sensor, zero position adaptation • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Parking brake - Mileage - Coolant temperature - Fuel consumption - function max revolutions exceeding avoidance - Engine revolution - The ambient temperature - Tiptronic switch: lower gear engagement - Tiptronic switch: upper gear engagement - Indicating lamp cruise control - Preliminary preheating control lamp - Distance unit - Fuel level in the tank - Tyre inflation monitoring system, pressure monitoring - Driver's seat belt fastener switch - Airbag signal lamp - Odometer - Generator lamp - Brakes control light - ABS control light - Service control light - Hi-beam lights, control light - Fog light control lamp - Rear fog lights control lamp - Fuel level warning lamp - Oil pressure control lamp - Language - Brakes linings condition indication - Warning buzzer - Two-wheel drive indicator lamp - Vehicle average speed - HDC indicator lamp - Selector lever position - Consumption, units - Service interval, mileage - Meters above sea level - STOP warning lamp - Vehicle speed limitation display - Vehicle longitudinal tilt angle - Vehicle lateral tilt angle - Brake pedal actuation display(start) - ESP control - Parking brake, control light - Parking brake switch - ESP indicator - Internal combustion engine indicator lamp - Four-wheel drive, warning lamp - Remaining distance in km - Turn signal light indication
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Service interval adjustment - Tilt sensor, zero position adaptation • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Parking brake - Mileage - Coolant temperature - Fuel consumption - function max revolutions exceeding avoidance - Engine revolution - The ambient temperature - Tiptronic switch: lower gear engagement - Tiptronic switch: upper gear engagement - Indicating lamp cruise control - Preliminary preheating control lamp - Distance unit - Fuel level in the tank - Tyre inflation monitoring system, pressure monitoring - Driver's seat belt fastener switch - Airbag signal lamp - Odometer - Generator lamp - Brakes control light - ABS control light - Service control light - Hi-beam lights, control light - Fog light control lamp - Rear fog lights control lamp - Fuel level warning lamp - Oil pressure control lamp - Language - Brakes linings condition indication - Warning buzzer - Two-wheel drive indicator lamp - Vehicle average speed - HDC indicator lamp - Selector lever position - Consumption, units - Service interval, mileage - Meters above sea level - STOP warning lamp - Vehicle speed limitation display - Vehicle longitudinal tilt angle - Vehicle lateral tilt angle - Brake pedal actuation display(start) - ESP control - Parking brake, control light - Parking brake switch - ESP indicator - Internal combustion engine indicator lamp - Four-wheel drive, warning lamp - Remaining distance in km - Turn signal light indication - Selector lever position Manual 	

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Service interval adjustment - Tilt sensor, zero position adaptation • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Parking brake - Mileage - Coolant temperature - Fuel consumption - function max revolutions exceeding avoidance - Engine revolution - The ambient temperature - Tiptronic switch: lower gear engagement - Tiptronic switch: upper gear engagement - Indicating lamp cruise control - Preliminary preheating control lamp - Distance unit - Fuel level in the tank - Tyre inflation monitoring system, pressure monitoring - Driver's seat belt fastener switch - Airbag signal lamp - Odometer - Generator lamp - Brakes control light - ABS control light - Service control light - Hi-beam lights, control light - Fog light control lamp - Rear fog lights control lamp - Fuel level warning lamp - Oil pressure control lamp - Language - Brakes linings condition indication - Warning buzzer - Two-wheel drive indicator lamp - Vehicle average speed - HDC indicator lamp - Selector lever position - Consumption, units - Service interval, mileage - Meters above sea level - STOP warning lamp - Vehicle speed limitation display - Vehicle longitudinal tilt angle - Vehicle lateral tilt angle - Brake pedal actuation display(start) - ESP control - Parking brake, control light - Parking brake switch - ESP indicator - Internal combustion engine indicator lamp - Four-wheel drive, warning lamp - Remaining distance in km - Turn signal light indication - Selector lever position Manual
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RENAULT **Koleos - Koleos 2.0 dCi 4x4**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Service interval adjustment - Tilt sensor, zero position adaptation

2008/09 -	M9R 833	2.0	150	Instrument cluster Instrument cluster 3.9	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Parking brake - Mileage - Coolant temperature - Fuel consumption - function max revolutions exceeding avoidance - Engine revolution - The ambient temperature - Tiptronic switch: lower gear engagement - Tiptronic switch: upper gear engagement - Indicating lamp cruise control - Preliminary preheating control lamp - Distance unit - Fuel level in the tank - Tyre inflation monitoring system, pressure monitoring - Driver's seat belt fastener switch - Airbag signal lamp - Odometer - Generator lamp - Brakes control light - ABS control light - Service control light - Hi-beam lights, control light - Fog light control lamp - Rear fog lights control lamp - Fuel level warning lamp - Oil pressure control lamp - Language - Brakes linings condition indication - Warning buzzer - Two-wheel drive indicator lamp - Vehicle average speed - HDC indicator lamp - Selector lever position - Consumption, units - Service interval, mileage - Meters above sea level - STOP warning lamp - Vehicle speed limitation display - Vehicle longitudinal tilt angle - Vehicle lateral tilt angle - Brake pedal actuation display(start) - ESP control - Parking brake, control light - Parking brake switch - ESP indicator - Internal combustion engine indicator lamp - Four-wheel drive, warning lamp - Remaining distance in km - Turn signal light indication - Selector lever position Manual
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save • Error memory • Current values <ul style="list-style-type: none"> - Oil pressure switch - Odometer - Service interval (months) - Service interval, mileage - Remaining time (months) - Parking brake switch - Remaining distance in km

- **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter - Instrument cluster indicator - Control lights - Instrument cluster indication lamps - Instrument cluster tweeter

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status

-				Instrument cluster 3.6	<ul style="list-style-type: none"> - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights <ul style="list-style-type: none"> • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter - Instrument cluster indicator - Control lights - Instrument cluster indication lamps - Instrument cluster tweeter
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter - Instrument cluster indicator - Control lights - Instrument cluster indication lamps - Instrument cluster tweeter

RENAULT Twingo II [CN/GN] - Twingo II 1.5 dCi

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration

2007/04 -	K9K 740	1.5	64	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter - Instrument cluster indicator - Control lights - Instrument cluster indication lamps - Instrument cluster tweeter
2010/04 -	K9K 718	1.5	84	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter - Instrument cluster indicator - Control lights - Instrument cluster indication lamps - Instrument cluster tweeter
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

2010/10 -	K9K 820	1.5	75	Instrument cluster Instrument cluster 3.6	<ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter - Instrument cluster indicator - Control lights - Instrument cluster indication lamps - Instrument cluster tweeter
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp - Remaining time (months) - Fuel level sensor - Status Handbrake - Service interval (miles) - Mileage (in miles) - Service interval (km) - Remaining distance (miles) - Remaining distance in km - Side marker lights • Actuators <ul style="list-style-type: none"> - Instrument lighting - Display illumination - Warning audio tone emitter - Instrument cluster indicator - Control lights - Instrument cluster indication lamps - Instrument cluster tweeter 		

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Read configuration - Configuration save - Transfer configuration • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Mileage - The ambient temperature - brake fluid level - Flashing light - Oil pressure switch - Service control light - On-board computer, button - Service interval (months) - Fuel level gauge - Battery status - STOP warning lamp 		

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|--|--|--|--|--|--|
| | | | | | <ul style="list-style-type: none">- Remaining time (months)- Fuel level sensor- Status Handbrake- Service interval (miles)- Mileage (in miles)- Service interval (km)- Remaining distance (miles)- Remaining distance in km- Side marker lights• Actuators<ul style="list-style-type: none">- Instrument lighting- Display illumination- Warning audio tone emitter- Instrument cluster indicator- Control lights- Instrument cluster indication lamps- Instrument cluster tweeter |
|--|--|--|--|--|--|

[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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2007/06 - 2009/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment

2009/03 - 2010/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2006/10 - 2009/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

SEAT Altea [5P1] - Altea 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve

2009/03 - 2010/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2005/11 - 2009/03	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2000/09 - 2004/06	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

1999/01 - 2000/09	AFK	1.4	100	Engine control Marelli 4	• Functional tests - 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	• Functional tests - Evaporative emission control functional test
1999/09 - 2000/07	AQQ	1.4	100	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2000/05 - 2002/12	AUA	1.4	75	Engine control Marelli 4	• Functional tests - 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	• Functional tests - Evaporative emission control functional test
1999/09 - 2000/07	AQQ	1.4	100	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2000/06 - 2003/08	AUA	1.4	75	Engine control Marelli 4	• Functional tests - 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	• Functional tests - Evaporative emission control functional test
2002/10 - 2006/11	BBZ	1.4	100	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2006/05 - 2009/11	BXW	1.4	86	Engine control Marelli 4	• Functional tests - 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	• Functional tests - Evaporative emission control functional test

SEAT Ibiza [6J5] - Ibiza 1.4					
Year	Engine	Liters	HP	System	Functions
2008/03				Engine control	• Functional tests

- 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	• Functional tests - Evaporative emission control functional test
1999/09 - 2000/07	AQQ	1.4	100	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2000/06 - 2002/05	AUA	1.4	75	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2000/07 - 2002/05	AUB	1.4	100	Engine control Marelli 4	• Functional tests - 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	• Functional tests - Evaporative emission control functional test
2002/01 - 2004/04	BBY	1.4	75	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2002/04 - 2009/11	BBZ	1.4	100	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2006/05 - 2009/11	BXW	1.4	86	Engine control Marelli 4	• Functional tests - 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	• Functional tests - 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	• Functional tests - Evaporative emission control functional test
2002/04 - 2006/06	BCB	1.6	105	Engine control Marelli 4	• Functional tests - Evaporative emission control functional test
2000/06 - 2001/04	AUS	1.6	105	Engine control Marelli 4	• Functional tests - 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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1999/12 - 2002/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2006/05 - 2009/03	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values

- 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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2002/04 - 2004/07	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2000/06 - 2001/04	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

SEAT Toledo [5P2] - Toledo 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system

2009/03 - 2009/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Current values - Swirl flap position sensor - 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
2006/01 - 2009/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests - Quantities comparison • Adjustments / settings - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests - Evaporative emission control functional test

[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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2000/09 - 2007/04	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2004/05 - 2007/04	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1999/09 - 2003/08	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2000/09 - 2007/12	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1999/09 - 2003/08	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2006/05 - 2007/12	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2000/09 - 2007/12	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

2004/05 - 2007/12	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2000/09 - 2003/08	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2006/05 - 2007/12	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values - Swirl flap position sensor - 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 					

SKODA						Octavia [1Z3] - Octavia 2.0 TDI RS					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration 					

2008/05 -	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) <p>• Special functions</p> <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system <p>• Current values</p> <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2006/04 - 2008/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<p>• Functional tests</p> <ul style="list-style-type: none"> - Quantities comparison <p>• Adjustments / settings</p> <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status <p>• Current values</p> <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

SKODA
Octavia [1Z3] - Octavia 1.4

Year	Engine	Liters	HP	System	Functions
2006/05 -	BUD	1.4	80	Engine control Marelli 4	<p>• Functional tests</p> <ul style="list-style-type: none"> - Evaporative emission control functional test
2010/11 -	CGGA	1.4	80	Engine control Marelli 4	<p>• Functional tests</p> <ul style="list-style-type: none"> - Evaporative emission control functional test

SKODA
Octavia [1Z5] Combi - Octavia 2.0 TDI Combi RS

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

2008/05 -	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 learning operations NMK 120 MPa - Lambda sensor (B1, S1) pump voltage
2006/04 - 2008/05	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2010/11 -	CGGA	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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

SKODA Superb [3T4] - Superb 2.0 TDI 4x4					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position

2008/09 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

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

SKODA Yeti [5L7] - Yeti 2.0 TDI 4x4					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment

2009/05 - 2009/11	CBDB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 learning operations NMK 120 MPa - Lambda sensor (B1, S1) pump voltage
2009/11 -	CFHC	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2010/05	CFJA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment

2009/11 - 2010/05	CEGA	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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SKODA	Yeti [5L7] - Yeti 2.0 TDI
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

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|--|--|--|--|--|---|
| | | | | | <ul style="list-style-type: none">- 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 |
|--|--|--|--|--|---|

[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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp

2006/10 - 2010/07	B4184S11	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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					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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO					C30 - C30 T5
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank

2006/10 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
2007/08 -	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp

2010/09					<ul style="list-style-type: none"> - Brakes control light - ABS control light - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
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VOLVO C30 - C30 D5

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors
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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"> • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 incpection - Tires pressure, control light - Airbag warning light, status - Parking brake, control light • Actuators - All displays and control lights

VOLVO C30 - C30 D2 DRIVe

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification

2010/08 -	D4162T	1.6	114	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 incpection
- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 incpection - Tires pressure, control light - Airbag warning light, status - Parking brake, control light • Actuators - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - Cruise control, control light - Coolant level, warning - Oil pressure control lamp - Generator lamp - Brakes control light

					<ul style="list-style-type: none"> - ABS control light - Fuel level warning lamp - Vehicle speed signal - Status Diagnosis - TCS/ESP OFF warning light - Fuel flow rate <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
1997/01 - 2000/07	B 5204 T3	2.0	225	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
1999/08 - 2002/07	B 5204 T4	2.0	163	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 C70 I Cabrio - C70 I 2.0 T Cabrio

Year	Engine	Liters	HP	System	Functions
				Instrument cluster	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp

1999/08 - 2006/03	B5204T4	2.0	163	Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Brakes control light - ABS control light - 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
				Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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
1998/03 - 1998/07	B5204T2	2.0	180	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size

					<ul style="list-style-type: none"> - Cooling agent temperature motor - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
1998/08 - 2000/07	B5204T3	2.0	226	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO **C70 I Cabrio - C70 I 2.3 T5 Cabrio**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp

2002/08 - 2006/03	B5234T9	2.3	245	<p>Instrument cluster Instrument cluster 9.12.1</p>	<ul style="list-style-type: none"> - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
				<p>Instrument cluster Instrument cluster 9.12.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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
1998/08				<p>Instrument cluster</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal

- 2002/07	B5234T3	2.3	240	Instrument cluster 9.12.3	<ul style="list-style-type: none"> - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
1998/02 - 2002/07	B5234T3	2.3	240	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO C70 I Cabrio - C70 I 2.4 T5 Cabrio

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank

2002/08 - 2006/03	B5244T7	2.4	200	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> • Actuators - All displays and control lights
				Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 C70 I Cabrio - C70 I 2.4 T Cabrio

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory

1998/08 - 1999/07	B5254T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Current values - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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
1999/08 - 2002/07	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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

C70 | Cabrio - C70 | 2.4 Cabrio

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values - Engine revolution

1999/03 - 2000/07	B5244S	2.4	140 - 170	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp

2006/03 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
2007/08 -	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 incpection - Tires pressure, control light - Airbag warning light, status - Parking brake, control light • Actuators <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp

2010/07					<ul style="list-style-type: none"> - Brakes control light - ABS control light - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
					<ul style="list-style-type: none"> • Identification • Clear errors

2007/08 -	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
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VOLVO	S40 II - S40 II 2.0D
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - ASR/ESP control light - Hi-beam lights, control light

					<ul style="list-style-type: none"> - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
2004/04 - 2007/07	D4204T2	2.0	131	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 incpection - Tires pressure, control light - Airbag warning light, status - Parking brake, control light • Actuators <ul style="list-style-type: none"> - All displays and control lights

VOLVO S40 II - S40 II 1.6D DRIVe

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time)
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2004/11 -	D4164T...	1.6	109 - 110	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 S40 II - S40 II 2.5 T5 AWD

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage)

2004/04 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
2007/08 - 2010/07	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control
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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"> - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 S40 II - S40 2.5 T5

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution

2003/12 -	B 5254 T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 S40 II - S40 II 2.0 F Flexifuel

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed

2009/08 -	B4204S4	2.0	146	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 S40 II - S40 II D4

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run

2010/08 -	D5204T	2.0	177	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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:
2002/11 - 2006/08	B5244S6	2.4	167	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings
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2000/11 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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.

2003/08 - 2006/07	B5244T4	2.4	180 - 220		<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 2.0 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> - 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:
2001/12 - 2006/07	D5244T2	2.4	130	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory

2003/08 - 2005/07	D5244T3	2.4	116	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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:
2006/08 - 2009/07	D5244T5	2.4	163	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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 2.4 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed
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2003/08 - 2006/07	B5244T4	2.4	220	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 Bi-Fuel CNG**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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.

2002/06 - 2008/07	B5244SG	2.4	140		<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor

				Airbag Airbag 8.3	<ul style="list-style-type: none"> - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 2.5 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory

2004/04 - 2009/07	B5244T5	2.4	260	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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 D5**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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

2005/08 - 2009/07	D5244T4	2.4	185		<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors

				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
2005/08 - 2006/07	D5244T6	2.4	122	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 II - S60 II 2.0T**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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2010/08
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08
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2011/07

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

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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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08
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2011/07

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

2011/08
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D5244T15

2.4

215

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08
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2011/07

D5244T10

2.4

205

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

2011/08

D5244T15

2.4

215

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08

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305

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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

2010/11
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> - 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 <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

- 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"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction

1997/01 - 1998/07	B 5204 S	2.0	143	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO S70 - S70 2.5 20V

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification

1997/01 - 1999/07	B5254S	2.4	165	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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VOLVO S70 - S70 2.3 T-5					
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

1997/01 - 1998/07	B5204T	2.0	210	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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VOLVO S70 - S70 R 2.3 T					
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
1997/01 - 1999/07	B5234S	2.3	163	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

1998/08 - 2000/07	B5234T7	2.3	190	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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VOLVO S70 - S70 2.5 Bifuel					
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
1999/01 - 2000/07	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

1999/01 - 2000/07	B5244T	2.4	193	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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VOLVO S70 - S70 2.0 T AWD					
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

Year	Engine	Liters	HP	System	Functions
2000/07 -	B5204	2.3	239	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed

2001/08 - 2006/07	B5244SG2	2.4	140	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **S80 I - S80 I 2.4**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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.

1998/08 - 2006/07	B5244S	2.4	170		<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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	S80 I - S80 I D5
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor

				Airbag Airbag 8.3	<ul style="list-style-type: none"> - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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					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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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: 	
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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: 	

Year	Engine	Liters	HP	System	Functions
2001/08 - 2006/07	B6294S2	2.9	196	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory

2001/08 - 2006/07	B6294T	2.9	272	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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 **S80 I - S80 I 2.0T**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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

1999/08 - 2006/07	B5204T5	2.0	180		<ul style="list-style-type: none"> - 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:
1998/08 - 2000/07	B5204T4	2.0	163	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **S80 I - S80 I 2.5 AWD**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors
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2003/08 - 2006/07	B5254T2	2.5	210	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **S80 I - S80 I 2.5**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature - The ambient temperature - Control unit power supply - Kilometer reading - Vehicle model - Side airbag ignition circuit, window, rear left

2003/08 - 2006/07	B5254T2	2.5	210		<ul style="list-style-type: none"> - 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:
Airbag Airbag 8.3					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 S80 I - S80 I 2.3R

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:

2000/04 - 2005/07	B5234T7	2.3	200 - 265	Airbag Airbag 8.3	<ul style="list-style-type: none"> - Ignition circuit, seat belt straightener, rear right: • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature - The ambient temperature

				Airbag Airbag 8.3	<ul style="list-style-type: none"> - 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:
2000/08 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
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2001/08 - 2004/12	B6284T	2.8	272		<ul style="list-style-type: none"> - 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:
1998/05 - 2001/07	B6284 T	2.8	272	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature - The ambient temperature - Control unit power supply

1998/06 - 2001/07	B6284T	2.8	272	Airbag Airbag 8.3	<ul style="list-style-type: none"> - 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:
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VOLVO	S80 I - S80 I 2.0T5
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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	S80 I - S80 I 2.9
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

					<ul style="list-style-type: none"> - 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:
1998/08 - 1999/07	B6304 S3	2.9	204	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
1999/08 - 2001/07	B6294S	2.9	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **S80 I - S80 I 2.5 TDI**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors
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1998/08 - 2001/07	D5252T	2.5	140	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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						S80 I - S80 I 2.4T AWD	
Year	Engine	Liters	HP	System	Functions		
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature 		

2000/08 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> - 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:
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VOLVO	S80 II - S80 II D5
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Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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315

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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 *

2009/08
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2012/07

B5254T10

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231

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

2012/12

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254

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

2006/08
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2010/07

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3.2

238

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2006/08
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238

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

2010/08

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243

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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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285

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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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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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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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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2.4

215

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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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145

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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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145

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 **S80 II - S80 II 2.0D**

Year	Engine	Liters	HP	System	Functions
------	--------	--------	----	--------	-----------

					<ul style="list-style-type: none"> • Identification
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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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136

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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2.5

200

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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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109

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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231

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

VOLVO **S80 II - S80 II T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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180

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08
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2011/07

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163

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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163

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

2012/08

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136

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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/08	B4164T2	1.6	180	Heating / Air conditioner Automatic A/C 3.0	<ul style="list-style-type: none"> - 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
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- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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

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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 V40 CROSS COUNTRY - V40 2.0 T5 CROSS COUNTRY

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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2.0

214

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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2.0

214

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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 V40 CROSS COUNTRY - V40 2.5 T5 AWD CROSS COUNTRY

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2013/01

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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						V40 CROSS COUNTRY - V40 2.0 D3 CROSS COUNTRY					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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 * 					

2013/01

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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"> • Identification
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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

2013/01

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2013/01

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light
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- 2000/07	D4192T2	1.9	95	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Airbag warning lamp - Brakes control light - ABS control light - 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
2000/03 - 2004/04	D4192T4/DI	1.9	102	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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

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"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
2000/08 - 2004/04	B4184SJ	1.8	122	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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

					<ul style="list-style-type: none"> - 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
1999/04 - 2004/06	B4184S10	1.8	122	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
V40 I - V40 I 2.0 T

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values - Last check kilometers

2001/08 - 2004/04	B4204T3	1.9	163	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
2000/08 - 2001/07	B4204T3	2.0	165	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 V40 I - V40 I 1.6 16V

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control

1999/08 - 2004/04	B4164S2	1.6	109	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO V40 I - V40 I 1.9 T4

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution

1999/08 - 2000/07	B4194T2	1.9	200	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
2000/08 - 2002/12	B4194T2	1.9	200	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO V40 II - V40 II T3					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2012/03

B4164T3

1.6

150

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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2012/03

B4164T

1.6

180

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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2012/03

D4162T

1.6

114

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2012/03

D5204T6

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150

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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2012/03
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177

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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
- 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 **V50 - V50 T5**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval
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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"> - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <ul style="list-style-type: none"> - All displays and control lights
2007/08 - 2012/12	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 **V50 - V50 2.4i**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory

2004/04 - 2010/07	B5244S4	2.4	170 - 170	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Current values - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
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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"> • Identification • Clear errors • Adjustments / settings - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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

					<ul style="list-style-type: none"> - 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
2004/04 - 2007/07	D4204T2	2.0	131	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 **V50 - V50 1.6D DRIVE**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values - Last check kilometers - Total run - Driving speed

2004/11 - 2010/07	D4164T...	1.6	109 - 110	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 **V50 - V50 T5 AWD**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run

2004/04 - 2007/07	B5254T3	2.5	220	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
2007/08 - 2010/08	B5254T7	2.5	230	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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						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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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						V50 - V50 1.8 F Flexifuel					
Year	Engine	Liters	HP	System		Functions					
						<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) 					

2006/04 - 2010/07	B4184S8	1.8	125	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 V50 - V50 D3

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control

2010/08 - 2012/12	D5204T5	2.0	150	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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
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VOLVO **V50 - V50 D4**

Year	Engine	Liters	HP	System	Functions
2010/08 - 2012/12	D5204T	2.0	177	Instrument cluster Instrument cluster 9.12.1	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Engine operating time inspection interval - Inspection interval (mileage) - Inspection interval (time) - Interval inspection reset • Error memory • Current values <ul style="list-style-type: none"> - Last check kilometers - Total run - Driving speed - Engine revolution - Cruise control - switch (contact) parking brake (HAS) - Warming up control lamp - brake fluid level - Fuel level in the tank - Oil pressure control lamp - Generator lamp - Seat belt control light - Airbag warning lamp - Brakes control light - ABS control light - 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 V60 - V60 2.0T

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/09	B6304T4	3.0	305	Heating / Air conditioner Automatic A/C 3.0	<ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values
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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

2010/09
-
2011/08

D5204T2

2.0

163

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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136

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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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205

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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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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 **V60 - V60 T5**

Year	Engine	Liters	HP	System	Functions
------	--------	--------	----	--------	-----------

					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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

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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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Temperature - nominal value setting element right - Temperature nominal value setting element left - Blower nominal value actuator - Passenger compartment temperature - The ambient temperature
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- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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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163

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
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- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction
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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"> - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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1999/09 - 2000/08	B5234T3	2.3	236	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> - Key switch, passenger side airbag - Status passenger side airbag - Ignition circuit, seat belt straightener, rear left: - Ignition circuit, seat belt straightener, rear right:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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	V70 I - V70 I 2.0
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
					<ul style="list-style-type: none"> • Identification • Clear errors

1997/01 - 2000/03	B5204S	2.0	143	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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

					<ul style="list-style-type: none"> - Fuel flow rate • Actuators <ul style="list-style-type: none"> - All displays and control lights
1997/01 - 2000/03	B5204T	2.0	211	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights
1997/01 - 1998/07	B5204T2	2.0	180	Instrument cluster Instrument cluster 9.12.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights 					

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 2.5 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 2.4					
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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 2.0 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 2.0 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 2.5 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor

- 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO V70 I - V70 I XC AWD

Year	Engine	Liters	HP	System	Functions
1999/03				Instrument cluster	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal

- 2000/03	B5244T	2.4	193	Instrument cluster 9.12.3	<ul style="list-style-type: none"> - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <p>• Actuators</p> <ul style="list-style-type: none"> - All displays and control lights
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Average consumption indication correction - Mileometer display format adjustment - Service interval adaptation - Service interval display reset - Fuel tank full quantity adjustment • Error memory • Current values <ul style="list-style-type: none"> - Engine revolution - The ambient temperature - Upshift lamp - Service interval indication - Distance - Ambient temperature signal - Fuel level in the tank - Programmed tyre size - Cooling agent temperature motor - 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 <ul style="list-style-type: none"> - All displays and control lights

VOLVO **V70 II - V70 II 2.0 T**

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature - The ambient temperature - Control unit power supply - Kilometer reading - Vehicle model

2000/03 - 2007/07	B5204T5	2.0	179	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **V70 II - V70 II 2.4 T**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

2000/03 - 2003/07	B5244T3	2.4	200	Airbag Airbag 8.3	<ul style="list-style-type: none"> - Ignition circuit, seat belt straightener, rear left: - Ignition circuit, seat belt straightener, rear right:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
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					<ul style="list-style-type: none"> - 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:
2003/04 - 2006/07	B5244S6	2.4	170	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **V70 II - V70 II 2.4D**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID
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2001/08 - 2006/07	D5244T	2.4	163	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

2001/12 - 2006/07	D5244T2	2.4	130	Airbag Airbag 8.3	<ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
2006/08 - 2007/07	D5244T7	2.4	126	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
V70 II - V70 II 2.5 BI-FUEL CNG

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values

2001/09 - 2007/07	B5244SG	2.5	140	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

2001/09 - 2006/07	B5244SG2	2.5	140		<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings

				Airbag Airbag 8.3	<ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

V70 II - V70 II 2.4 T5

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory

2004/04 - 2007/07	B5244T5	2.4	260	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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 **V70 II - V70 II 2.3**

Year	Engine	Liters	HP	System	Functions
				Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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

2000/03 - 2004/07	B5234T7	2.3	265		<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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						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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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: 					

Year	Engine	Liters	HP	System	Functions
2000/03 - 2001/07	D5252T	2.5	140	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 **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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature

2006/08 - 2007/07	D5244T4	2.4	185	Airbag Airbag 8.3	<ul style="list-style-type: none"> - 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:
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VOLVO	V70 II - V70 II D5 AWD
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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2006/08 - 2007/07	D5244T4	2.4	185	Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 V70 III - V70 III 3.2

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

- 2010/07	B6324S	3.2	238 - 238	Heating / Air conditioner Automatic A/C 3.0	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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
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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

2010/08
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B6324S5

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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B5254T6

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

2009/08
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231

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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

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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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3.0

305

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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>- 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"> - 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 <ul style="list-style-type: none"> - 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
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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

2009/08
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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 [*]
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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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205

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

2011/08

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215

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 3.2 AWD				
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Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

2007/08
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2010/07

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3.2

238

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

2010/08

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3.2

243

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/10
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185

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

2009/08
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205

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

2011/08

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215

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
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - Power supply - Temperature - nominal value setting element right
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- 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

2007/10
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2011/07

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146

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/10
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2011/07

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145

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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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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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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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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 1.6 D DRIVe**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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 T4F**

Year	Engine	Liters	HP	System	Functions
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					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/08

D5204T3

2.0

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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

2012/08
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

2012/08

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163

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/03
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185

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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205

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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215

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/03
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2009/07

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2.4

163

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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163

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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285

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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305

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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2009/08
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2010/07

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175

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2009/08
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2010/07

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3.2

238

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

2010/03

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3.2

243

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

2010/08

B6324S4

3.2

238

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

2009/08
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2010/07

B6324S

3.2

238

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

2010/08
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3.2

238

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08
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203

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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163

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

2011/08
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163

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
					<ul style="list-style-type: none"> • 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

2010/08

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240

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
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/08

D5244T17

2.4

163

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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

2012/08

D5204T7

2.0

136

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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2006/07				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

XC70 I - XC70 I 2.3T AWD

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory

2002/08 - 2004/07	B5234T7	2.3	190	Airbag Airbag 8.3	<ul style="list-style-type: none"> • 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:
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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"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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 XC70 II - XC70 II D5 AWD					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • 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

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"> - 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 <ul style="list-style-type: none"> - 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
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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

2011/08
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2.4

215

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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 [*]
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3.2

238

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

243

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - 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

2007/08
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2.4

163

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

2009/08
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163

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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 [*]

2009/08
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175

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08
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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

2011/08

D5204T3

2.0

163

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08

B6324S5

3.2

243

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Matching of control motors - Air conditioner control unit programming - Evaporator power programming • Error memory • Current values <ul style="list-style-type: none"> - 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

2011/08

D5244T17

2.4

163

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory

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"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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:
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors

2005/05 -	D5244T4	2.4	185	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

2007/10 - 2011/07	D5244T5	2.4	163	<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
2010/08 -	D5244T18	2.4	200	<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
					<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - Vehicle driving speed - Passenger compartment temperature

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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
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				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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
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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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 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"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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

2010/08 -	B6324S5	3.2	243		<ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 3.2 FWD

Year	Engine	Liters	HP	System	Functions
2006/08 -	B6324S	3.2	238	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
2010/07					<ul style="list-style-type: none"> • Identification

				<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				<p>Airbag Airbag 8.3E+</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
2010/08	B6324S5	3.2	243	<p>Airbag Airbag 8.3</p>	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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 D3 FWD

Year	Engine	Liters	HP	System	Functions
2010/08	D5244T5	2.4	163	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:
				Airbag Airbag 8.3	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:

Year	Engine	Liters	HP	System	Functions
2012/08 -	B5254T9	2.5	209	Airbag Airbag 8.3E+	<ul style="list-style-type: none"> • Identification • Clear errors • Adjustments / settings <ul style="list-style-type: none"> - Calibrate seat occupied sensor - Write occupant weight sensor (OWS) ID • Error memory • Current values <ul style="list-style-type: none"> - 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:

[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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

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

2012/09 -	CJAA	2.0	0	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2001/11 - 2005/05	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1999/08 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1998/09 - 2005/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1998/09 - 2000/05	AKQ	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

2001/11 - 2005/05	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1999/08 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values - Swirl flap position sensor - 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

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2003/10 - 2005/04	BJE	1.0	71 - 72	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2005/05 - 2008/04	BNX	1.0	72 - 73	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
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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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
1999/05 - 2001/07	AZN	1.0	54	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2005/08 - 2005/09	BTY	1.0	65 - 68	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2006/11 - 2008/06	BWX	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
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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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2001/11 - 2004/05	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1999/11 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
1997/10 - 2004/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1997/10 - 2000/05	AKQ	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2001/11 - 2006/06	BCB	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1999/05 - 2000/05	ATN	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2000/05 - 2000/10	AUS	1.6	105	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
1999/05 - 2006/06	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

VW Golf Plus [521] - Golf Plus 2.0 TDI

Year	Engine	Liters	HP	System	Functions
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2009/01 - 2010/05	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values - Swirl flap position sensor - 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
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					<ul style="list-style-type: none"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation
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2009/01 - 2009/11	CBDB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2009/01 -	CGGA	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 learning operations NMK 120 MPa - Lambda sensor (B1, S1) pump voltage

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

VW Golf VI [5K1] - Golf VI 2.0 TDI					
Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison

2008/10 - 2009/05	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2008/10 - 2009/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2009/04 - 2010/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation

2009/09 - 2012/11	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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VW	Golf VI [5K1] - Golf VI 2.0 TDI 4Motion
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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

2009/07 - 2010/09	CBDA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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 learning operations NMK 120 MPa - Lambda sensor (B1, S1) pump voltage
2010/09 -	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values - Swirl flap position sensor - 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

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2008/04 -	CBEA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - Eng. torque limit (smoke limitation)

					<ul style="list-style-type: none"> - 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
2009/07 -	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2006/07 - 2008/06	BMN	2.0	170	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation

- 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"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values - Swirl flap position sensor - 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
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					<ul style="list-style-type: none"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2)
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2009/09 -	CJAA	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1999/05 - 2000/09	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1999/05 - 2000/05	AQQ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2000/09 - 2002/04	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
2000/05 - 2005/07	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1998/10 - 2004/05	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1998/10 - 1999/05	AKQ	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test
1998/10 - 2000/10	AFK	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2006/11 - 2012/10	BWX	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2008/08 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

VW Passat [357] CC - Passat 2.0 TDI CC 4Motion

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

2009/11 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

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

					<ul style="list-style-type: none"> - 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
2008/11 - 2010/07	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2008/05 - 2009/11	CBAA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor

					<ul style="list-style-type: none"> - 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
2005/03 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration
2005/08 - 2008/06	BUZ	2.0	163	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration
2005/06 - 2006/02	BVE	2.0	122	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration
2006/03 - 2006/05	BWV	2.0	120	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2009/05 -				Engine control	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values

2010/07	CBBB	2.0	170	Diesel EDC 17CP14	<ul style="list-style-type: none"> - Swirl flap position sensor - 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
2005/03 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

VW Passat [3C5] Variant - Passat 2.0 TDI Variant

Year	Engine	Liters	HP	System	Functions
2008/01 - 2009/11	CBAA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2008/01 - 2010/11	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment

2008/05 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2008/11 - 2010/11	CBDC	2.0	110	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

2005/08 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> - Lambda sensor (B1, S1) pump voltage • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration
2005/08 - 2006/02	BVE	2.0	122	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration
2006/03 - 2006/05	BWV	2.0	120	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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

					<ul style="list-style-type: none"> - 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
2009/05 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2005/08 - 2008/06	BKP	2.0	140	Engine control Diesel EDC Simos PPD 1	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values

- 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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2006/08 -	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

VW Polo Hatchback - Polo 1.4i Hatchback					
Year	Engine	Liters	HP	System	Functions
2002/04				Engine control	<ul style="list-style-type: none"> • Functional tests

-	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"> • Functional tests - Evaporative emission control functional test
2006/08 -	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
1998/04 - 1999/12	AJV	1.6	120	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2000/05 - 2000/12	APE	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1999/07 - 2000/05	AQQ	1.4	101	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1998/09 - 2001/09	AFK	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
1999/01 - 2001/09	AHW	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2000/06 - 2001/09	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2000/06 - 2001/09	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2001/09 - 2004/05	BBY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2001/09 - 2002/01	AUA	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2001/11 - 2002/04	AUB	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2004/05 - 2005/05	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2003/11 - 2007/05	BBZ	1.4	100	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2004/05 - 2007/05	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
2005/04 - 2007/07	BKY	1.4	75	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test
2006/05 - 2009/12	BUD	1.4	80	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test
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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"> • Functional tests - Evaporative emission control functional test
2006/11 - 2009/08	BWX	1.6	97 - 99	Engine control Marelli 4	<ul style="list-style-type: none"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Evaporative emission control functional test

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"> • Functional tests - Quantities comparison • Adjustments / settings - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2009/05 - 2010/11	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

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Tiguan [5N1] - Tiguan 2.0 TDI 4Motion

Year	Engine	Liters	HP	System	Functions
					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment

2007/11 - 2011/05	CBAA	2.0	136	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
2008/02 - 2011/05	CBBB	2.0	170	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

					<ul style="list-style-type: none"> - 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
2008/03 - 2011/05	CBBA	2.0	163	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

VW Tiguan [5N1] - Tiguan 2.0 TDI

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

2008/03 - 2011/05	CBAB	2.0	140	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions <ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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					<ul style="list-style-type: none"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Injector quantity adjustment - Menu driven configuration - Rail pressure sensor adjustment - Basic adjustment throttle valve - Basic adjustment, full acceleration position - Basic adjustment, exhaust gas recirculation - Reset after replacement of additive filter - Idle speed adjustment - Exhaust gas recirculation valve basic setting - Diesel particle filter diff. pressure sensor adaptation - Swirl flap basic setting - Boost pressure actuator basic adjustment - Swirl flap basic setting (Bank 1) - Swirl flap basic setting (Bank 2) • Special functions
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2008/01 - 2010/05	CASC	3.0	239	Engine control Diesel EDC 17CP14	<ul style="list-style-type: none"> - Particle filter-Regeneration - Fuel tank emptying - Bleeding fuel system • Current values <ul style="list-style-type: none"> - Swirl flap position sensor - 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
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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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Quantities comparison • Adjustments / settings <ul style="list-style-type: none"> - Menu driven configuration - Basic adjustment, full acceleration position - Reset after replacement of additive filter - Diesel particle filter diff. pressure sensor adaptation - Diesel particulate filter regeneration run - Diesel particulate filter status • Current values <ul style="list-style-type: none"> - Diesel particulate filter charge - Time from last regeneration

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"> • Functional tests <ul style="list-style-type: none"> - Evaporative emission control functional test

