2012 Release 1 NEWS

New brands and models

Addition of Irisbus to the TRUCKS database as a new brand. It contains diagnostics for engine and brake systems.

Addition of Mercedes Vario to the TRUCKS database. MB Vario is available from 1996-2006.

Renault Mascott has been added with functionality for engine and a possibility to read service parameters.

New systems and new adaptor cable

Haldex trailers are updated with three new systems; Modal, Modular 1 and Modular 2. To be able to connect to these systems a new cable is now available. This new cable , 4+4 pin Haldex ABS with article no: 900 200 679 will be available for purchase from 2012 Release 1.

DAF, Cummins-engines

Euro3 engines have been updated with function for cylinder shut-off. Euro4 engines have been added in the database, with the same functionality depth as for the Euro3 engines.

Immobiliser Restraints

GUIDE



Brand

Didiid									
Model	2004-2007	•	•	•	•		•	•	•
Adjustments	2004-2006	•	•						
Programmings and tests	2006-2007							•	

Brand and Models are listed as in the CARS and TRUCKS software.

The OBD functions e.g. Adjustments and programmings that are listed are new or

updated for the marked system.

Year range in model includes a complete range for all systems with new or updated functionality.

Systems with markers are new or updated with read/erase fault codes, real time data and/or activations.

	■ Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	■ Restraints	Multifunction	Service	Ì
007	•							•		
007								•		
007								•		
007								•		
012	•	•	•				•	•	•	
012						·			•	
		•						•		
012										1



Citroën

Berlingo Serie 2 [02-07]	2002-2007	•					•	
Enter number of key (1 - 8), press OK	2002-2007						•	
Enter security code (XXXX), press OK	2002-2007						•	
Recall service message	2002-2007						•	
Nemo	2008-2012	•	•	•		•	•	•
Nemo Reset service	2008-2012 2008-2012		•	•		•	•	•
			•	•		•	•	•
			•	•		•	•	•



Dacia

2007-2010 •
2007-2010 •
2007-2010
2007-2010 •
2007-2010
2007-2010
2007-2010
2007-2010 •
2007-2010 •
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2007-2010 •
2007-2010 •
2007-2010 •
2007-2010
2007-2010 •
2007-2010 •
2007-2010 •
2007-2010 •
2007-2010 •

EvoBus Chassis		■ Engine	■ Brake	Instrument	AC AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
BR 300 euro III	2000-2005	l	I	Π		•				
BN 300 euro III	2000-2003									
BR 400 euro III	2000-2009					•				
BR 400 euro IV	2004-2009					•				
Conecto	2004-2009					•				
				•						
Capacity	2004-2009					•				
Integro	2000-2009					•				
Integro euro IV	2004-2009					•				
Intouro euro IV	2004-2009					•				
O530 Citaro	2000-2009					•				
O530 Citaro euro IV	2004-2009					•			1	
OC500	2000-2009					•				
OC500 euro IV	2004-2009					•				
OH XBC	2004-2009					•				
Tourismo euro IV	2004-2009					•				
O550 euro III	2000-2009					•				
O560 euro III	2000-2009					•				
0300 Caro III	2000 2003		<u> </u>	Ь—					!	

Fiat		■ Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Ducato [-05]	2003-2005							•		
		1								
Strada	2006-2010			•						
Particulate filter regeneration (only for version	2006-2010	•								
Doblo [00-05]	2001-2005	•		•				•		
Particulate filter replacement	2003-2005									
Doblo [06-]	2006-2011	•	•	•				•		•
Air flow meter replacement	2011	•								
EGR Valve check	2011	•								
EGR valve programming	2011	•								
EGR valve test	2011	•								
Glow plug preheating circuit test	2011	•								
Injector programming	2011	•								
Injector programming cylinder 1	2011	•								
Injector programming cylinder 2	2011	•								
Injector programming cylinder 3	2011	•								
Injector programming cylinder 4	2011	•								
Injector programming cylinder 5	2011	•								
Lambda sensor replacement	2011	•								
Lateral and longitudinal acceleration sensor ca	2010-2011		•							
Oil change	2011									•
Oil change reset (only for version with DPF)	2011									
Particulate filter regeneration (only for version	2011									
Particulate filter replacement	2006-2011									
Pressure sensor calibration	2010-2011		•							
Rail pressure sensor replacement	2011									
Reset adaption	2011									
Reset service	2011									
Self learnt functions reset	2011	•								
Steering angle calibration	2010-2011		•							
Steering angle reset	2010-2011		•							
Fiorino [08-]	2008-2011	•	•							
Accumulator depressurisation	2008-2011			\vdash		•		_		_
Accumulator depressurisation Air flow meter replacement	2009-2011	•		\vdash						\blacksquare
Audio system test	2011			\vdash					•	
AUTO switch replacement	2009-2011					•			_	
Bluetooth Network disconnection	2003 2011								•	
Clutch bleed	2009-2011					•			_	
Clutch replacement	2009-2011					•				\Box
Clutch self-calibration	2009-2011					•				\Box
Convergence system reset	2003 2011								•	
ECO switch replacement	2009-2011			Н		•			-	
EGR Valve check	2011	•							$\vdash \vdash$	\Box

EGR valve programming			■ Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	■ Restraints	Multifunction	Service
Electric pump replacement End of line / service self-calibration 2009-2011 Gearbox lever replacement 2009-2011 Gearbox oil accumulator replacement 2009-2011 Glow plug preheating circuit test 2011 Hydraulic kit replacement 2009-2011 Injector programming 2011 Injector programming cylinder 1 2011 Injector programming cylinder 2 2011 Injector programming cylinder 3 2011 Injector programming cylinder 4 2011 Injector programming cylinder 5 2011 Injector programming cylinder 4 2011 Injector programming cylinder 4 2011 Injector programming cylinder 3 2011 Injector programming cylinder 2 2011 Injector pro	EGR valve programming	2011	•								
End of line / service self-calibration 2009-2011	EGR valve test	2011	•								
Gearbox lever replacement Gearbox oil accumulator replacement Glow plug preheating circuit test Q009-2011 Hydraulic kit replacement 1009-2011 Injector programming 1011 Injector programming cylinder 1 Injector programming cylinder 2 Injector programming cylinder 3 Injector programming cylinder 4 Injector programming cylinder 5 Injector programming cylinder 5 Lambda sensor replacement Longitudinal acceleration signal learn Oil change Oil change reset (only for version with DPF) Particulate filter replacement Pump relay replacement Rail pressure sensor replacement Reset adaption Reset adaption Setering wheel levers replacement Setudo [06-] Lateral and longitudinal acceleration sensor ca	Electric pump replacement	2009-2011					•				
Gearbox oil accumulator replacement Glow plug preheating circuit test Hydraulic kit replacement 2009-2011 Injector programming Injector programming cylinder 1 Injector programming cylinder 2 Injector programming cylinder 3 Injector programming cylinder 4 Injector programming cylinder 5 Injector programming cylinder 6 Injector programming cylinder 9 Injector programming cylinder 1	End of line / service self-calibration	2009-2011					•				
Glow plug preheating circuit test Hydraulic kit replacement Injector programming Injector programming cylinder 1 Injector programming cylinder 2 Injector programming cylinder 3 Injector programming cylinder 3 Injector programming cylinder 4 Injector programming cylinder 5 Injector programming cylinder 5 Lambda sensor replacement Longitudinal acceleration signal learn Oil change Oil change Oil change coll only for version with DPF) Particulate filter replacement Pump relay replacement Replacement of automatic gearbox Reset adaption Reset adaption Reset adaption Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Cour-2011 Lateral and longitudinal acceleration sensor ca Cour-2011 Lateral and longitudinal acceleration sensor ca Cour-2011	Gearbox lever replacement	2009-2011					•				
Hydraulic kit replacement Injector programming Injector programming cylinder 1 Injector programming cylinder 2 Injector programming cylinder 3 Injector programming cylinder 3 Injector programming cylinder 4 Injector programming cylinder 5 Injector programming cylinder 4 Injector programming cylinder 5 Injector programming cylinder 4 Injector programming cylinder 4 Injector programming cylinder 4 Injector programming cylinder 3 Injector programming cylinder 2 Injector programming cylinder 3 Injector programming cylinder 2 Injector programming cylinder 3 Injector programing cylinder 3 Injector programing cylinder 3 Injector programing cylinder 3 Injector programming cylinder 3 Injector programing cylinder 3 Injector programic proling in injector programic in injector program in injector progr	Gearbox oil accumulator replacement	2009-2011					•				
Injector programming 2011	Glow plug preheating circuit test	2011	•								
Injector programming cylinder 1 Injector programming cylinder 2 Injector programming cylinder 3 Injector programming cylinder 4 Injector programming cylinder 5 Injector programming cylinder 4 Injector programming cylinder 3 Injector programming cylinder 4 Injector programic coll Injector programic coll Injector programming cylinder 4 Injector programic coll Injector program coll Injector program coll Injector program c	Hydraulic kit replacement	2009-2011					•				
Injector programming cylinder 2 Injector programming cylinder 3 Injector programming cylinder 4 Injector programming cylinder 5 Lambda sensor replacement Longitudinal acceleration signal learn New actuators Oil change Oil change Oil change reset (only for version with DPF) Particulate filter regeneration (only for version 2011 • Particulate filter replacement Pump relay replacement Rail pressure sensor replacement Reset adaption Reset adaption Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Lateral a	Injector programming	2011	•								
Injector programming cylinder 3 Injector programming cylinder 4 Injector programming cylinder 5 Lambda sensor replacement Longitudinal acceleration signal learn New actuators Oil change Oil change Oil change reset (only for version with DPF) Particulate filter regeneration (only for version Particulate filter replacement Pump relay replacement Rail pressure sensor replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca 2007-2011	Injector programming cylinder 1	2011	•								
Injector programming cylinder 4 Injector programming cylinder 5 Lambda sensor replacement Longitudinal acceleration signal learn New actuators Oil change Oil change 2011	Injector programming cylinder 2	2011	•								
Injector programming cylinder 5 Lambda sensor replacement Longitudinal acceleration signal learn New actuators Oil change Oil change Oil change reset (only for version with DPF) Particulate filter regeneration (only for version Particulate filter replacement Pump relay replacement Rail pressure sensor replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Ducato [07-] Lateral and longitudinal acceleration sensor ca 2007-2011	Injector programming cylinder 3	2011	•								
Lambda sensor replacement Longitudinal acceleration signal learn New actuators Oil change Oil change Oil change reset (only for version with DPF) Particulate filter regeneration (only for version Particulate filter replacement Pump relay replacement Rail pressure sensor replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca 2007-2011	Injector programming cylinder 4	2011	•								
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New actuators Oil change Oil change Oil change reset (only for version with DPF) Particulate filter regeneration (only for version Particulate filter replacement Pump relay replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Particulate filter replacement 2009-2011 Ducato [07-] Lateral and longitudinal acceleration sensor ca 2007-2011	Lambda sensor replacement	2011	•								
Oil change Oil change reset (only for version with DPF) Particulate filter regeneration (only for version Particulate filter replacement Pump relay replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Particulate filter replacement 2011 • 2009-2011 Particulate filter replacement 2011 • 2009-2011 Particulate filter replacement 2009-2011 Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca	Longitudinal acceleration signal learn	2009-2011					•				
Oil change reset (only for version with DPF) Particulate filter regeneration (only for version 2011 •	New actuators	2009-2011					•				
Particulate filter regeneration (only for version 2011 •	Oil change	2011	•								•
Particulate filter replacement Pump relay replacement Rail pressure sensor replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Particulate filter replacement 2011 • Particulate filter replacement 2011 • Particulate filter replacement 2011 • Particulate filter replacement 2007-2011 • Scudo [07-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca 2007-2011 • Lateral and longitudinal acceleration sensor ca	Oil change reset (only for version with DPF)	2011	•								•
Pump relay replacement Rail pressure sensor replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Particulate filter replacement 2007-2011 Scudo [07-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca 2007-2011		2011	•								
Rail pressure sensor replacement Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Particulate filter replacement Particulate filter replacement Particulate and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca	Particulate filter replacement	2011	•								
Replacement of automatic gearbox Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Particulate filter replacement Particulate filter replacement Particulate and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca	Pump relay replacement	2009-2011					•				
Reset adaption Reset service Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011	Rail pressure sensor replacement	2011	•								
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Self learnt functions reset Statistical data deletion Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011	Reset adaption	2011	•								
Statistical data deletion 2009-2011	Reset service	2011	•								
Steering wheel levers replacement Ducato [06-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca 2007-2011	Self learnt functions reset	2011	•								
Ducato [06-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011	Statistical data deletion	2009-2011					•				
Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca	Steering wheel levers replacement	2009-2011					•				
Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca									•		
Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca	Ducato [06-]	2006-2011	•	•	•				•	•	
Lateral and longitudinal acceleration sensor ca Particulate filter replacement Scudo [07-] Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011 Lateral and longitudinal acceleration sensor ca 2007-2011		2011		•							
Scudo [07-] 2007-2011 • • • • • Lateral and longitudinal acceleration sensor ca 2007-2011 • • • • • • • • • • • • • • • • • •	Lateral and longitudinal acceleration sensor ca	2011		•							
Lateral and longitudinal acceleration sensor ca 2007-2011 • Lateral and longitudinal acceleration sensor ca 2007-2011 • Lateral and longitudinal acceleration sensor ca 2007-2011	Particulate filter replacement	2006-2011	•								
Lateral and longitudinal acceleration sensor ca 2007-2011 • Lateral and longitudinal acceleration sensor ca 2007-2011 • Lateral and longitudinal acceleration sensor ca 2007-2011											
Lateral and longitudinal acceleration sensor ca 2007-2011 • Lateral and longitudinal acceleration sensor ca 2007-2011 • Lateral and longitudinal acceleration sensor ca 2007-2011	Scudo [07-]	2007-2011	•	•	•				•	•	
Lateral and longitudinal acceleration sensor ca 2007-2011 •	Lateral and longitudinal acceleration sensor ca	2007-2011		•							
		2007-2011		•							
	Particulate filter replacement	2007-2011	•								

Engine
Brake
Instrument
AC
Gearbox
Immobiliser
Restraints
Multifunction
Service



Ford Tourneo Connect 2012 Brake bleed system ABS/ESP 2012 • Configuration pressure sensor 2012 Configure the lateral acceleration sensor 2012 Cooling fan high speed 2012 • Diesel particulate filter regeneration operation 2012 EGR - valve, duty cycle 2012 2012 Glow plug Longitudinal acceleration sensor calibration 2012 Odometer programming 2012 Reset diesel particel filter data 2012 Reset KAM (Keep Alive Memory) 2012 • Reset knock sensor adaptions 2012 2012 Reset pressure sensor diesel particel filter • Reset the Exhaust Gas Recirculation values 2012 2012 Reset The Fuel Metering Valve Learned Values • Reset The Water in fuel Warning Indicator 2012 Selftest, ignition on, engine off 2012 • • Steering wheel calibration 2012 Turbo regulating valve 2012 Yaw Rate Sensor Calibration 2012 2012 **Transit Connect** Brake bleed system ABS/ESP 2012 • Configuration pressure sensor 2012 2012 • Configure the lateral acceleration sensor Cooling fan high speed 2012 Diesel particulate filter regeneration operation 2012 EGR - valve, duty cycle 2012 2012 Glow plug Longitudinal acceleration sensor calibration 2012 2012 Odometer programming Reset diesel particel filter data 2012 Reset KAM (Keep Alive Memory) 2012 Reset knock sensor adaptions 2012 Reset pressure sensor diesel particel filter 2012 Reset the Exhaust Gas Recirculation values 2012 • Reset The Fuel Metering Valve Learned Values 2012 • 2012 Reset The Water in fuel Warning Indicator • 2012 Selftest, ignition on, engine off 2012 Steering wheel calibration • Turbo regulating valve 2012 •

2012

•

Yaw Rate Sensor Calibration

		Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Transit [06-]	2012	•	•	•				•	•	•
Activation of hill launch assist	2012		•							
Brake bleed system ABS	2012		•							
Deactivation of hill launch assist	2012		•							
Fuel Injection Pump Learn	2012	•								
Injector programming	2012	•								
Longitudinal acceleration sensor calibration	2012		•							
Manual service light reset	2012			•						•
Pilot injection learn	2012	•								
Reset adjustment pressure sensor	2012		•							
Reset the Fuel Pressure Relief Valve Open Cou	2012	•								
Reset the Fuel Pressure Relief Valve Open Dura	2012	•								
Reset The Water in fuel Warning Indicator	2012	•								
Selftest, ignition on, engine off	2012	•	•	•					•	•
Speed limit	2012	•								
Steering wheel calibration	2012		•							



	Generic Bus Systems							
27	All supported systems	1970	•					
	Compression test	1970	•					
		-			-	-	-	
	16-pin J1962 diagnostic socket	1970	•					
	Compression test	1970	•					



lveco

Daily [06-]	2006-2011	•	•	•	•	•	•	•	•
Bleed brake system	2006-2011		•						
Change air mass meter	2011	•							
Change differential pressure sensor	2011	•							
Change fuel pressure sensor	2011	•							
Change particle filter	2011	•							
Cylinder deactivation	2011	•							
Front abs test	2011		•						
Oil change	2011								•
Rear abs test	2011		•						
Test for front asr	2011		•						
Test for rear asr	2011		•						

Iveco Bus Chassis		■ Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
CROSSWAY	2008-2011	•	•							
Cylinder deactivation	2008-2011	•								\dashv
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•								
CROSSWAY LE	2008-2011	•	•							
Cylinder deactivation	2008-2011	•								
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•								
	1						,	,	-	
NEW RECREO	2008-2011	•	•							
Cylinder deactivation	2008-2011	•								_
Engine brake valve	2008-2011	•							_	_
Engine speed	2008-2011	•								
ARWAY	2008-2011	•							1	$\overline{}$
Cylinder deactivation	2008-2011	•	•						-	_
Engine brake valve	2008-2011	•				-	1			-
Engine speed	2008-2011	•							_	-
Engine speed	2000 2011									
EVADYS	2008-2011	•	•							\neg
Cylinder deactivation	2008-2011	•								\neg
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•					Î			
MAGELYS	2008-2011	•								
Cylinder deactivation	2008-2011	•								
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•								
ELIDODIDED /DOLANIA	2000 2011				_	_	-	-		_
EURORIDER/DOMINO	2008-2011	•	•						-	_
Cylinder deactivation	2008-2011 2008-2011	•							\dashv	\dashv
Engine brake valve Engine speed	2008-2011	•							_	-
Liigiile speed	2008-2011	•			ļ	!	ļ			
CITELIS	2008-2011	•	•							\neg
Cylinder deactivation	2008-2011	•								\dashv
Engine brake valve	2008-2011	•							一	\dashv
Engine speed	2008-2011	•								\neg
-					•				•	
HEULIEZBUS	2008-2011	•	•							
Cylinder deactivation	2008-2011	•								
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•								

		Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
CREALIS	2008-2011	•	•							
Cylinder deactivation	2008-2011	•								
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•								
		ı								
EUROPOLIS	2008-2011	•								
Cylinder deactivation	2008-2011	•								
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•								
					-	_	-			_
MIDIRIDER/MIDYS/MYDWAY	2008-2011	•	•							
Cylinder deactivation	2008-2011	•								
Engine brake valve	2008-2011									
Engine speed	2008-2011	•								
EUROMIDI CC	2008-2011	•	•			1	1		1	$\overline{}$
Cylinder deactivation	2008-2011	•	•							
Engine brake valve	2008-2011									_
Engine speed	2008-2011	•				-				
Engine speed	2000 2011						!	ļ		
PROXYS/PROWAY	2008-2011	•	•							
Cylinder deactivation	2008-2011	•						Î		
Engine brake valve	2008-2011	•						Î		
Engine speed	2008-2011	•								
CITYCLASS CURSOR	2008-2011	•								
Cylinder deactivation	2008-2011	•								
Engine brake valve	2008-2011	•								
Engine speed	2008-2011	•								

Engine
Brake
Instrument
AC
Gearbox
Immobiliser
Restraints
Multifunction



Iveco Trucks

Stralis	2007-2011	•	•	•	•	•		•	
Additional fan	2010-2011				•				
Air Suspension activation	2010-2011							•	
Air suspension calibration	2010-2011							•	
Combustion air fan	2010-2011				•				
Cylinder deactivation	2007-2011	•							
Dosing valve check	2010-2011	•							
Engine brake valve	2010-2011	•							
Engine speed	2010-2011	•							
Flushing phase	2010-2011	•							
Glowplug preheat check	2010-2011				•				
Pressurising phase	2010-2011	•							
Status led	2010-2011				•				
System emptying	2010-2011	•							
Test of the heater	2010-2011	•							

EuroCargo	2006-2011	•	•	•		•	
Additional fan	2010-2011			•			
Air Suspension activation	2010-2011					•	
Air suspension calibration	2010-2011					•	
Combustion air fan	2010-2011			•			
Cylinder deactivation	2006-2011	•					
Dosing valve check	2010-2011	•					
Engine brake valve	2010-2011	•					
Engine speed	2010-2011	•					
Flushing phase	2010-2011	•					
Glowplug preheat check	2010-2011			•			
Pressurising phase	2010-2011	•					
Status led	2010-2011			•			
System emptying	2010-2011	•					
Test of the heater	2010-2011	•					



Mahindra/Renault

Logan	2003-2009	•				
Electric water pump	2003-2009	•				

	Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service	
004					•					
05					•					

V

Mercedes

A-Class [W168]	1998-2004			•		
G-Class [W463]	2005			•		
Vario	1996-2006	•				



Mercedes Truck

2002-2008								•	
2002-2008								•	
2002-2008								•	
2009								•	
	2002-2008 2002-2008	2002-2008	2002-2008 2002-2008	2002-2008 2002-2008	2002-2008 2002-2008	2002-2008 2002-2008	2002-2008 2002-2008	2002-2008 2002-2008	2002-2008 • • • • • • • • • • • • • • • • • •

Actros MP III	2009				•	
Transfer of base module parameters back from	2009				•	
Transfer of base module parameters to the mi	2009				•	



Nissan

INISSAII							
Interstar X70	2003-2008	•	•			•	
AC compressor relay	2003-2008	•					
Accelerator pedal position sensor A circuit	2003-2008	•					
Advance actuator command	2003-2008	•					
Air damper valve programming	2003-2008	•					
Air Inlet Flap Motor command	2003-2008	•					
Air path programming	2003-2008	•					
Auxiliary water pump	2003-2008	•					
Camshaft sensor programming	2003-2008	•					
Configuration A/C	2003-2008	•					
Configuration cruise control/speed limiter	2003-2008	•					
Configuration decrement idle speed	2003-2008	•					
Configuration increment of idle speed	2003-2008	•					
Configuration injection prohibiton	2003-2008	•					
Configuration power steering electric pump un	2003-2008	•					
Configuration prevention of electrical consume	2003-2008	•					
Configuration thermoplungers	2003-2008	•					
Cruise control / Speed limiter programming	2003-2008	•					
Cylinder 1 injector code	2003-2008	•					
Cylinder 2 injector code	2003-2008	•					
Cylinder 3 injector code	2003-2008	•					
Cylinder 4 injector code	2003-2008	•					
EGR bypass valve	2003-2008	•					
EGR solenoid valve	2003-2008	•					
EGR valve	2003-2008	•					
EGR valve programming	2003-2008	•					

		Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
EGR valve programming after change	2003-2008	•								
EGR valve status	2003-2008	•								
Electric water pump	2003-2008	•								
Engine adaptives	2003-2008	•								
Erase adaptive engine parameters	2003-2008	•								
Erase ECU configurations	2003-2008	•								
Erase EGR-adaptives	2003-2008	•								
Erase pressure regulation adaptives	2003-2008	•								
Erase programmed values	2003-2008	•								
Erase Vehicle function programming	2003-2008	•								
Exhaust injector circuit	2003-2008	•								
Fan unit high speed relay control	2003-2008	•								
Fan unit slow speed relay control	2003-2008	•								
Flywheel target programming	2003-2008	•								
Fuel leak test	2003-2008	•								
Fuel pressure regulator	2003-2008	•								
Fuel pressure solenoid valve	2003-2008	•								
Fuel pump relay	2003-2008	•								
Fuel supply prevention	2003-2008	•								
Gearbox configuration	2003-2008	•								
Heater element auxiliary heater	2003-2008	•								
Heating resistor relay 1	2003-2008	•								
Heating resistor relay 2	2003-2008	•								
High pressure circuit leak test	2003-2008	•								
High pressure pump	2003-2008	•								
Highpressure fuel circuit fault finding	2003-2008	•								
Injector adaptives No.1	2003-2008	•								
Injector adaptives No.2	2003-2008	•								
Injector adaptives No.3	2003-2008	•								
Injector adaptives No.4	2003-2008	•								
Injector cylinder 1	2003-2008	•								
Injector cylinder 2	2003-2008	•								
Injector cylinder 3	2003-2008	•								
Injector cylinder 4	2003-2008	•								
Injector programming	2003-2008	•								
Injector reinitialisation	2003-2008	•								
Inlet flap	2003-2008	•								
Inlet flap reinitialisation	2003-2008	•								
Lock computer	2006-2008							•		
Lock injector control	2003-2008	•								
Particle emission filter temperature	2003-2008	•								
Particle filter injector control circuit	2003-2008	•								
Particle filter regeneration	2003-2008	•								
Particle filter relative pressure sensor	2003-2008	•								\Box
Preheater unit	2003-2008	•								ヿ
Preheating prevention	2003-2008	•								
Pressure regulation adaptive	2003-2008									

		Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Programming reinitialisation	2003-2008	•								
Rail pressure adaptives	2003-2008	•								
Rail pressure regulator	2003-2008	•								
Read configurations	2003-2008	•								
Reinitialisation egr valve	2003-2008	•								
Relay for Engine Coolant Pump	2003-2008	•								
Relay, preheater	2003-2008	•								
Solenoid valve, fuel circuit	2003-2008	•								
Static test	2003-2008	•								
Stop fuel supply prevention	2003-2008	•								
Stop preheating prevention	2003-2008	•								
Thermoplunger no1 relay control	2003-2008	•								
Thermoplunger no2 relay control	2003-2008	•								
Thermoplunger no3 relay control	2003-2008	•								
Turbo charge control solenoid valve	2003-2008	•								
Turbo charger boost solenoid valve	2003-2008	•								
Turbo pressure solenoid valve	2003-2008	•								
Turbo regulation solenoid valve	2003-2008	•								
Turbocharging solenoid valve	2003-2008	•								
Unlock computer	2006-2008							•		
Water pump relay	2003-2008	•								
With AC	2003-2008	•								
With air condition with heated windscreen	2003-2008	•								
With air condition without heated windscreen	2003-2008	•								
With Air conditioning	2003-2008	•								
With boiler	2003-2008	•								
With power assisted steering	2003-2008	•								
With thermoplungers	2003-2008	•								
Without AC	2003-2008	•								
Without air condition with heated windscreen	2003-2008	•								
Without air condition without heated windscre	2003-2008	•								
Without air conditioning	2003-2008	•								
Without boiler	2003-2008	•								
Without power assisted steering	2003-2008	•								
Without thermoplungers	2003-2008	•								
Write code for injector cylinder 1	2003-2008	•								
Write code for injector cylinder 2	2003-2008	•								
Write code for injector cylinder 3	2003-2008	•								
Write code for injector cylinder 4	2003-2008	•								
Write date of last after sales operation	2006-2008							•		

Renault		■ Eng	■ Brak	Instru	AC	Gearbo	qomml -	Restrair	Multifunction	Service
Trafic II	2001-2010			1	1					$\overline{}$
	2001-2010	•								_
Electric water pump Fuel shut off	2001-2010									\dashv
Ignition coil adaptive	2001-2003						-			\dashv
Motorised throttle	2001-2003								-	
wotonsed tillottle	2001-2003	•								
Kangoo I	1998-2008	•								
Electric water pump	2000-2008	•								
Fuel shut off	1998-2008	•								
Ignition coil adaptive	1998-2008	•								
Motorised throttle	1998-2008	•								
Kangoo II	2008-2010	•							I	\neg
Electric water pump	2008-2010									
Fuel shut off	2008-2010	•								
Ignition coil adaptive	2008-2010	•								
Motorised throttle	2008-2010	•								
Master II	2001-2008	•					Ī	Ī		\neg
Electric water pump	2001-2008									\neg

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Renault Trucks

Mascott dci	2006	•				•	
Recording of last maintenance work carried ou	2006					•	
Mascott dxi	2006	•				•	
Recording of last maintenance work carried ou	2006						



Scania

- Coarna	
G-Series	2005-2009
Compression test	2005-2009
P-Series	2005-2009
Compression test	2005-2009
R-Series	2005-2009
Compression test	2005-2009

	■ Engine	■ Brake	Instrument	AC	■ Gearbox	Immobiliser	Restraints	Multifunction	Service	
009	•									
009	•									
009	•									
009	•									
000										



Scania Bus Chassis								
K-Series	2006-2009	•						
Compression test	2006-2009	•						
	•	-	-	-	•	•	•	
F-Series	2006-2009	•						
Compression test	2006-2009	•						
N-Series	2006-2009	•						
Compression test	2006-2009	•						



Škoda

Roomster	2010-2011	•		•		•	
Adaption fuel pressure regulation valve	2011	•					
Bleeding, fuel system	2011	•					
Boost pressure regulation	2011	•					
Code control unit	2010-2011	•				•	
Cruise control function	2011	•					
Difference pressure sensor replaced	2011	•					
EGR-valve, adaption	2011	•					
Injector programming	2011	•					
Intake manifold damper, adaption	2011	•					
Particle filter replaced	2011	•					
Particle filter, check the carbon content	2011	•					
Reset oxygen sensor adaptions	2011	•					
Reset throttle position adaptions	2011	•					

Praktik	2010-2011	•		•		•	
Adaption fuel pressure regulation valve	2011	•					
Bleeding, fuel system	2011	•					
Boost pressure regulation	2011	•					
Code control unit	2010-2011	•				•	
Cruise control function	2011	•					
Difference pressure sensor replaced	2011	•					
EGR-valve, adaption	2011	•					
Injector programming	2011	•					
Intake manifold damper, adaption	2011	•					
Particle filter replaced	2011	•					
Particle filter, check the carbon content	2011	•					
Reset oxygen sensor adaptions	2011	•					
Reset throttle position adaptions	2011	•					

■ Engine	BrakeInstrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
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Trailers

Haldex	All Years	•				
EOL test 2S/2M	1970	•				
Read data from ECU and save data to file	1970	•				
Select service interval	1970	•				



addy III [03-10]	2004-2010	•							l 👝 l	ı
Code control unit	2004-2010	•								┢
Code control unit	2004-2010		ļ							<u>L</u>
4 Transporter	2000-2003			•						Γ
Change upper limit for days to next inspection	2000-2003			•						Γ
Change upper limit for distance to next inspect	2000-2003			•						
Change value for oil quality	2000-2003			•						
Code control unit	2000-2003			•						Γ
General-purpose configuration	2000-2003			•						
5 Transporter [09-]	2010-2012	•	•	•	•	•	•	•	•	Τ
Adaptation of steering angle sensor	2012		•							t
Adaption of remote control	2012								•	t
Bleed brake system	2012		•							t
Bleeding, fuel system	2012	•								t
Catalytic particle filter (CPF) change	2012	•								t
Change value for oil quality	2012									Ī
Code control unit	2010-2012	•	•	•	•	•			•	Ī
Coding rain/light sensor.	2012								•	Ī
Cruise control function	2012	•								Ī
Differential pressure sensor	2012	•								Ī
EGR system	2012	•								Ī
EGR valve	2012	•								Ī
Electronic throttle control	2012	•								Ī
Erasing fault memory - All systems	2012								•	Ī
Front distribution flap motor.	2012				•					
Front/rear distribution flap motor	2012				•					
Gateway control unit coding	2012								•	l
General-purpose configuration	2012								•	l
Injector programming	2012	•								
Inlet valves basic setting	2012		•							l
Language Change	2012			•						
Learning end position damper motors	2012				•					
Rear distribution flap motor	2012				•					l
Recall service message	2012			•						l
Regeneration	2012	•								
Replace air filter	2012									١

Reset oxygen sensor adaptions

2012 •

		■ Engine	■ Brake	Instrument	AC	■ Gearbox	Immobiliser	Restraints	Multifunction	Service
Separating valves basic setting	2012		•							
Service interval data - carbon content	2012			•						
Service interval data - days since last inspection	2012			•						
Service interval data - distance travelled since	2012			•						
Service interval data - lower limit for distance t	2012			•						
Service interval data - lower limit for time to n	2012			•						
Service interval data - oil quality	2012			•						
Service interval data - thermal load	2012			•						
Service interval data - upper limit for distance	2012			•						
Service interval data - upper limit for distance	2012			•						
Service interval data - upper limit for time to n	2012			•						
Service interval data - upper limit for time to n	2012			•						
System status, gateway	2012								•	
Transport mode activation	2012								•	
Transport mode inactivation	2012								•	
Variant coding	2012								•	
Zero compensation of brake pressure sensor	2012		•							
Zero compensation of lateral acceleration sens	2012		•							
Zero compensation of longitudinal acceleration	2012		•							
zero compensación en longicacina acceleración	2012								!	
T5 Multivan [09-]	2010-2012	•	•	•	•	•	•	•	•	•
Adaptation of steering angle sensor	2012		•							
Adaption of remote control	2012								•	
Bleed brake system	2012		•							
Bleeding, fuel system	2012	•								
Catalytic particle filter (CPF) change	2012	•								
Change value for oil quality	2012									•
Code control unit	2010-2012	•	•	•	•	•			•	
Coding rain/light sensor.	2012								•	
Cruise control function	2012	•								
Differential pressure sensor	2012	•								
EGR system	2012	•								
EGR valve	2012	•								
Electronic throttle control	2012	•								
Erasing fault memory - All systems	2012								•	
Front distribution flap motor.	2012				•					
Front/rear distribution flap motor	2012				•					
Gateway control unit coding	2012								•	
General-purpose configuration	2012								•	
Injector programming	2012	•								
Inlet valves basic setting	2012		•						\dashv	\dashv
Language Change	2012			•					\neg	\dashv
Learning end position damper motors	2012			_	•				\neg	\dashv
Rear distribution flap motor	2012				•				\dashv	\dashv
Recall service message	2012			•					\neg	•
Regeneration	2012	•								
Replace air filter	2012	•							\neg	\dashv
replace all filter	2012	_								

		Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Reset oxygen sensor adaptions	2012	•								
Separating valves basic setting	2012		•							
Service interval data - carbon content	2012			•						
Service interval data - days since last inspection	2012			•						
Service interval data - distance travelled since	2012			•						
Service interval data - lower limit for distance t	2012			•						
Service interval data - lower limit for time to n	2012			•						
Service interval data - oil quality	2012			•						
Service interval data - thermal load	2012			•						
Service interval data - upper limit for distance	2012			•						
Service interval data - upper limit for distance	2012			•						
Service interval data - upper limit for time to n	2012			•						
Service interval data - upper limit for time to n	2012			•						
System status, gateway	2012								•	
Transport mode activation	2012								•	
Transport mode inactivation	2012								•	ĺ
Variant coding	2012								•	
Zero compensation of brake pressure sensor	2012		•							
Zero compensation of lateral acceleration sens	2012		•							
Zero compensation of longitudinal acceleration	2012		•							
-						•	•		•	
Amarok	2010-2011								•	
Code control unit	2010-2011								•	
Co. dol. 111 [14.1]										
Caddy III [11-]	2011-2012		•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve	2011-2012 2011-2012		•	•	•	•	•	•	•	•
			•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve	2011-2012		•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control	2011-2012 2012		•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system	2011-2012 2012 2012		•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system	2011-2012 2012 2012 2011-2012		•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator	2011-2012 2012 2012 2011-2012 2012		•		•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change	2011-2012 2012 2012 2011-2012 2012 2011-2012		•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality	2011-2012 2012 2012 2011-2012 2012 2011-2012 2012	•	•	•	•	•	•	•		•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit	2011-2012 2012 2012 2011-2012 2012 2011-2012 2011-2012	•	•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor.	2011-2012 2012 2012 2011-2012 2012 2011-2012 2012	•	•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function	2011-2012 2012 2012 2011-2012 2012 2011-2012 2011-2012 2012	•	•	•	•	•	•	•	•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode	2011-2012 2012 2012 2011-2012 2012 2011-2012 2011-2012 2012	•	•	•	•	•	•		•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced	2011-2012 2012 2012 2011-2012 2012 2011-2012 2012 2011-2012 2012 2012 2012 2012 2012 2012 2012 2012	•	•	•	•	•	•		•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced Differential pressure sensor learning	2011-2012 2012 2012 2011-2012 2011-2012 2012 2011-2012 2012 2011-2012 2012 2012 2012 2012	•	•	•	•	•	•		•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced Differential pressure sensor learning Electronic throttle control Erasing fault memory - All systems ESP driving test	2011-2012 2012 2012 2011-2012 2012 2011-2012 2012 2011-2012 2012 2012 2012 2012 2012 2012 2012 2012	•	•	•	•	•	•		•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced Differential pressure sensor learning Electronic throttle control Erasing fault memory - All systems	2011-2012 2012 2012 2011-2012 2012 2011-2012 2012 2011-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012	•	•	•	•	•	•		•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced Differential pressure sensor learning Electronic throttle control Erasing fault memory - All systems ESP driving test	2011-2012 2012 2012 2011-2012 2011-2012 2012 2011-2012 2012 2011-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012	•	•	•	•		•		•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced Differential pressure sensor learning Electronic throttle control Erasing fault memory - All systems ESP driving test Gear shift unit/position sensor	2011-2012 2012 2012 2011-2012 2012 2011-2012 2012 2011-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012	•	•	•	•				•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced Differential pressure sensor learning Electronic throttle control Erasing fault memory - All systems ESP driving test Gear shift unit/position sensor General-purpose configuration	2011-2012 2012 2012 2011-2012 2011-2012 2012 2011-2012 2012 2011-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012	•	•	•	•				•	•
Adaption fuel pressure regulation valve Adaption of remote control Bleed brake system Bleeding, fuel system Boost pressure regulator Catalytic particle filter (CPF) change Change value for oil quality Code control unit Coding rain/light sensor. Cruise control function Deactivate factory mode Difference pressure sensor replaced Differential pressure sensor learning Electronic throttle control Erasing fault memory - All systems ESP driving test Gear shift unit/position sensor General-purpose configuration Idle speed adjustment	2011-2012 2012 2011-2012 2011-2012 2011-2012 2011-2012 2011-2012 2012	•	•	•	•				•	•

		■ Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Language Change	2012			•						
Learning end position damper motors	2012				•					
Main pressure, zero values	2012					•				
Mechatronic	2012					•				
Mechatronic adaption value resetting	2012					•				
Mechatronic remove position	2012					•				
Particle filter replaced	2012	•								
Particle filter, check the carbon content	2011-2012	•								
Recall service message	2012			•						•
Regeneration	2011-2012	•								
Reset adaption	2012	•								
Reset oxygen sensor adaptions	2011-2012	•								
Separating valves basic setting	2012		•							
Service interval data - carbon content	2012			•						
Service interval data - days since last inspection	2012			•						
Service interval data - distance travelled since	2012			•						
Service interval data - lower limit for distance t	2012			•						
Service interval data - lower limit for time to n	2012			•						
Service interval data - oil quality	2012			•						
Service interval data - thermal load	2012			•						
Service interval data - upper limit for distance :	2012			•						
Service interval data - upper limit for distance :	2012			•						
Service interval data - upper limit for time to n	2012			•						
Service interval data - upper limit for time to n	2012			•						
Steering assistance	2012								•	
Steering wheel tiptronic contacts resetting	2012					•				
Syncronization positions	2012					•				
System status, gateway	2012								•	
Transport mode activation	2012								•	
Transport mode inactivation	2012								•	
Tyre pressure monitoring	2012		•							
Unlock auxiliary heater	2012								•	
Variant coding	2012								•	
Zero compensation of brake pressure sensor	2012		•							
Zero compensation of lateral acceleration sens	2012		•							
Zero compensation of longitudinal acceleration	2012		•							

Engine
Brake
Instrument
AC
Gearbox
Immobiliser
Restraints
Multifunction
Service

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Volvo Trucks

Volv	o Trucks								
FL		2012	•	•	•		•	•	•
	AdBlue freeze monitor, calibration	2012	•						
	Air suspension control box in-output signals sta	2012						•	
	Air suspension switches in-output signals statu	2012						•	
	Brake pad thickness, test	2012		•					
	Control box test	2012						•	
	Control lever test	2012			•				
	Cylinder Balancing	2012	•						
	Cylinder compression	2012	•						
	Cylinder deactivation	2012	•						
	Desiccant holder, air dryer, resetting	2012							•
	Door switch status	2012			•				
	Dosing, test	2012	•						
	Gauges test	2012			•				
	Headlights test	2012			•				
	Level sensor calibration	2012						•	
	Level sensor test	2012						•	
	Lever switch turn signal test	2012			•				
	Modulator, front	2012		•					
	Modulator, left rear	2012		•					
	Modulator, right rear	2012		•					
	Modulator, trailing unit	2012		•					
	Pressure sensor test	2012						•	
	SCR system drain, test	2012	•						
	Solenoid valve test	2012						•	
	Start-up SCR, test	2012	•						
	Status, air dryer	2012							•
	Switch state	2012			•				
	Urea crystallisation SCR Catalytic silencer, rege	2012	•						
	Warm-up valve, test	2012	•						
	Wheel speed sensor test	2012		•					
	Windscreen wiper and washer test	2012			•				
FE		2012	•			I			
<u> </u>	AdBlue freeze monitor, calibration	2012	•	Ť	Ť				
	Air suspension control box in-output signals sta	2012						•	
	Air suspension switches in-output signals statu	2012						•	
	Bogie switches test	2012						•	
	Brake pad thickness, test	2012		•					
	Control box test	2012						•	
	Control lever test	2012			•				
	Cylinder Balancing	2012	•						
	Cylinder compression	2012	•						
	Cylinder deactivation	2012	•						
	Desiccant holder, air dryer, resetting	2012							•
	Door switch status	2012			•				

			■ Engine	■ Brake	Instrument	AC AC	Gearbox	Immobiliser	Restraints	■ Multifunction	■ Service
	Dosing, test	2012	•								
	Gauges test	2012			•						
	Headlights test	2012			•						
	Level sensor calibration	2012								•	
	Level sensor test	2012								•	
	Lever switch turn signal test	2012			•						
	Modulator, front	2012		•							
	Modulator, left rear	2012		•							
	Modulator, right rear	2012		•							
	Modulator, trailing axle	2012		•							
	Modulator, trailing unit	2012		•							
	Pressure sensor test	2012								•	
	SCR system drain, test	2012	•								
	Solenoid valve test	2012								•	
	Start-up SCR, test	2012	•								
	Status, air dryer	2012									•
	Switch state	2012			•						
	Urea crystallisation SCR Catalytic silencer, rege	2012	•								
	Warm-up valve, test	2012	•								
	Wheel speed sensor test	2012		•							
	Wheel speed sensor test Windscreen wiper and washer test	2012 2012		•	•						
	Wheel speed sensor test Windscreen wiper and washer test			•	•						
FM	·		•	•	•	•	•	•	•	•	•
FM	·	2012		•	•	•	•	•	•	•	•
FM	Windscreen wiper and washer test	2012		•	•	•	•	•	•	•	•
FM	Windscreen wiper and washer test AdBlue freeze monitor, calibration	2012 2005-2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration	2012 2005-2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration	2012 2005-2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration	2012 2005-2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration	2012 2005-2012 2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration	2012 2005-2012 2012 2012 2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration	2012 2005-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration	2012 2005-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test	2012 2005-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test	2012 2005-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012		•	•	•		•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test	2012 2005-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test	2012 2005-2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012		•	•	•	•	•	•	•	•
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FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibration Compressor resetting Control box test	2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012		•	•	•	•		•		
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control lever test	2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2012-2012 2012-2012 2012-2012		•			•				
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control lever test Cylinder Balancing	2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2012-2012 2012-2012 2012-2012		•			•				
FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control lever test Cylinder Balancing Cylinder compression	2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2012-2012 2012-2012 2012-2012		•			•				
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FM	AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control lever test Cylinder Balancing Cylinder compression	2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2012-2012 2012-2012 2012-2012		•			•				

		Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Erase keys	2005-2012						•			
Gears, test	2005-2012					•				
Gearshift cylinder 1/reverse gear, test	2005-2012					•				
Gearshift cylinder 2/3, test	2005-2012					•				
Inclination sensor, test	2005-2012					•				
Injector programming cylinder 1	2009-2012	•								
Injector programming cylinder 2	2009-2012	•								
Injector programming cylinder 3	2009-2012	•								
Injector programming cylinder 4	2009-2012	•								
Injector programming cylinder 5	2009-2012	•								
Injector programming cylinder 6	2009-2012	•								
intermittent wiper test	2012			•						
Key counting	2005-2012						•			
Key programming	2005-2012						•			
Level sensor calibration	2012								•	
Level sensor test	2012								•	
Lever switch high beam / low beam test	2012			•						
Lever switch turn signal test	2012			•						
Lift axle switch, test	2012								•	
Light switch test	2012			•						
Modulator, front	2012		•							
Modulator, front left drive wheel	2012		•							
Modulator, front right drive wheel	2012		•							
Modulator, left front	2012		•							
Modulator, left rear	2012		•							
Modulator, rear left drive wheel	2012		•							
Modulator, rear right drive wheel	2012		•							
Modulator, right front	2012		•							
Modulator, right rear	2012		•							
Modulator, trailing axle	2012		•							
Modulator, trailing unit	2012		•							
Pressure sensor test	2012								•	
PWM valves clutch, test	2005-2012					•			$\overline{}$	
Range cylinder, test	2005-2012					•				
SCR system drain, test	2012	•								
Solenoid valve, brake, intermediate shaft test	2005-2012					•				\Box
Split cylinder, test	2005-2012					•				
Start-up SCR, test	2012	•								
Status, air dryer	2012									•
Transponder reading	2005-2012						•			-
Urea crystallisation SCR Catalytic silencer, rege	2012	•								
Warm-up valve, test	2012	_								\Box
Wheel speed sensor test	2012	_								

		■ Engine	■ Brake	Instrument	AC	■ Gearbox	Immobiliser	Restraints	Multifunction	Service
FH16	1999-2012	•	•	•	•	•	•	•	•	•
AdBlue freeze monitor, calibration	2012	•								
Brake lamp switch test	2012			•						
Brake lining wear, first front axle, calibration	2012		•							
Brake lining wear, first rear axle, calibration	2012		•							
Brake lining wear, front axle, calibration	2012		•							
Brake lining wear, rear axle, calibration	2012		•							
Brake lining wear, second front axle, calibratio	2012		•							
Brake lining wear, second rear axle, calibration	2012		•							
Brake lining wear, third rear axle, calibration	2012		•							
Brake pad thickness, test	2012		•							
Clutch cylinder, test	2012					•				
Clutch drag, test	2012					•				
Clutch wear check, test	2012					•				
Clutch, gearbox and pulling position calibration	2012					•				
Clutch, gearbox and pulling position calibration	2012					•				
Compressor resetting	2012									•
Control box test	2012								•	
Control lever test	2012			•						
Cylinder Balancing	2012	•								
Cylinder compression	2012	•								
Cylinder deactivation	2012	•								
Desiccant holder, air dryer, resetting	2012									•
Dosing, test	2012	•								
Erase keys	1999-2012						•			
Gears, test	2012					•				
Gearshift cylinder 1/reverse gear, test	2012					•				
Gearshift cylinder 2/3, test	2012					•				
Inclination sensor, test	2012					•				
Injector programming cylinder 1	2012	•								
Injector programming cylinder 2	2012	•								
Injector programming cylinder 3	2012	•								
Injector programming cylinder 4	2012	•								
Injector programming cylinder 5	2012	•								
Injector programming cylinder 6	2012	•								
intermittent wiper test	2012			•						
Key counting	1999-2012						•			
Key programming	1999-2012						•			
Level sensor calibration	2012								•	
Level sensor test	2012								•	
Lever switch high beam / low beam test	2012			•						
Lever switch turn signal test	2012			•						
Lift axle switch, test	2012								•	
Light switch test	2012			•						
Modulator, front	2012		•							
Modulator, front left drive wheel	2012		•							
Modulator, front right drive wheel	2012		•							

Modulator, left rear 2012 • Image: square squar				■ Engine	■ Brake	Instrument	AC AC	Gearbox	Immobiliser	Restraints	■ Multifunction	■ Service
Modulator, rear left drive wheel Modulator, rear right drive wheel Modulator, right front Modulator, right rear Modulator, right rear Modulator, trailing axie Modulator		Modulator, left front	2012		•							
Modulator, rear right drive wheel Modulator, right front 2012 Modulator, right front 2012 Modulator, right front Modulator, trailing axle Zoll2 Pressure sensor test Doll2 PWM valves clutch, test Doll2 SCR system drain, test Solenoid valve, brake, intermediate shaft test Doll2 Marm-up valve, test Doll2 Marm-up		Modulator, left rear	2012		•							
Modulator, right front Modulator, right rear Modulator, trailing axle Modulator, trailing unit Pressure sensor test Modulator, trailing unit Pressure sensor test PWM valves clutch, test Range cylinder, test SCR system drain, test Solenoid valve, brake, intermediate shaft test Solenoid valve, brake, calibration Solenoid valve, brake, calibration Solenoid valve, shaft test Solenoid valve, shaft tes		Modulator, rear left drive wheel	2012		•							
Modulator, right rear Modulator, trailing axle Modulator, trailing axle Modulator, trailing axle Modulator, trailing axle Pressure sensor test Modulator, trailing unit Pressure sensor test Modulator, trailing unit Modulator, trailing unit Modulator, trailing axle Pressure sensor test Modulator, trailing unit Modulator, trailing axle Modulator, test Modulator, trailing axle Modulator, test Modulator, trailing axle Modulator, test M		Modulator, rear right drive wheel	2012		•							
Modulator, trailing axle Modulator, trailing unit Pressure sensor test PWM valves clutch, test Range cylinder, test Solenoid valve, brake, intermediate shaft test Solenoid valve, brake, intermediate solon Solenoid valve, brake, intermediate solo		Modulator, right front	2012		•							
Modulator, trailing unit Pressure sensor test 2012 PWM valves clutch, test 2012 Range cylinder, test 2012 Solenoid valve, brake, intermediate shaft test 2012 Solenoid valve, brake 2012 Solenoid valve, brake 2012 Solenoid valve, brake, colipation 2012 Warmup valve, test 2015 Warmup		Modulator, right rear	2012		•							
Modulator, trailing unit Pressure sensor test 2012 PWM valves clutch, test 2012 Range cylinder, test 2012 Solenoid valve, brake, intermediate shaft test 2012 Solenoid valve, brake 2012 Solenoid valve, brake 2012 Solenoid valve, brake, colipation 2012 Warmup valve, test 2015 Warmup		Modulator, trailing axle	2012		•							
PWM valves clutch, test Range cylinder, test SCR system drain, test Solenoid valve, brake, intermediate shaft test Solenoid valve, brake, intermediate shaft test Solit cylinder, test Split cylinder, test Start-up SCR, test Status, air dryer Transponder reading 1999-2012 Warm-up valve, test Wheel speed sensor test PH AdBlue freeze monitor, calibration Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration Brake lining w			2012		•							
Range cylinder, test SCR system drain, test Solenoid valve, brake, intermediate shaft test Solenoid valve, test Solenoid valve		Pressure sensor test	2012								•	
Range cylinder, test SCR system drain, test Solenoid valve, brake, intermediate shaft test Split cylinder, test Solenoid valve, brake, intermediate shaft test Split cylinder, test Start-up SCR, test Status, air dryer Transponder reading Warm-up valve, test Wheel speed sensor test PH AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch gearbox and pulling position calibratior Compressor resetting Control box test Control love test Cylinder Balancing Cylinder Balancing Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys 2005-2012 East Status, 2012 Posing, test Control box test Cutle Cantrol eactivation Desiccant holder, air dryer, resetting Dosing, test Control control eactivation Desiccant holder, air dryer, resetting Dosing, test Control control can be a control to the con		PWM valves clutch, test	2012					•				
SCR system drain, test Solenoid valve, brake, intermediate shaft test Solenoid valve, brake, intermediate shaft test Split cylinder, test Start-up SCR, test Status, air dryer Start-up SCR, test Status, air dryer Transponder reading Warm-up valve, test Wheel speed sensor test FH AdBlue freeze monitor, calibration Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake lining wear, third rear axle, calibration Cutton Brake lining wear, second front axle, calibration Cutton Brake lining wear, third rear axle, calibration Cutton Br			2012					•				
Solenoid valve, brake, intermediate shaft test Split cylinder, test Split cylinder, test Start-up SCR, test Status, air dryer Transponder reading 1999-2012 Warm-up valve, test Wheel speed sensor test Parke lining wear, first front axle, calibration Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, ear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch drag, test Clutch gearbox and pulling position calibratior Compressor resetting Control box test Control lever test Cylinder Balancing Cylinder Balancing Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys 2005-2012 Dosing, test Cous-2012 Erase keys Cous-2012 Even Line Line Line Line Line Line Line Li			2012	•								
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Status, air dryer Transponder reading 1999-2012 Warm-up valve, test 2012 Wheel speed sensor test Transponder reading Warm-up valve, test 2012 Wheel speed sensor test 2012 Transponder reading Warm-up valve, test 2012 Wheel speed sensor test Transponder reading Warm-up valve, test 2012 Wheel speed sensor test Transponder reading Warm-up valve, test 2012 Wheel speed sensor test Transponder reading Warm-up valve, test 2012 Wheel speed sensor test Transponder reading Warm-up valve, test 2012 Wheel speed sensor test Transponder reading Warm-up valve, test 2012 Wheel speed sensor test 201				•								
Transponder reading Warm-up valve, test 2012 Wheel speed sensor test 2012 The speed sensor test 2012												
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FH AdBlue freeze monitor, calibration 2012 • • • • • • • • • • • • • • • • • • •	-			_	•							
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Brake lamp switch test Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test 2012 Clutch cylinder, test 2005-2012 Clutch drag, test 2005-2012 Clutch wear check, test 2005-2012 Clutch, gearbox and pulling position calibratior 2005-2012 Compressor resetting 2012 Control box test 2012 Control lever test 2012 Cylinder Balancing Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test 2005-2012 • • • • • • • • • • • • • • • • • • •	<u> </u>	AdBlue freeze monitor, calibration		•								
Brake lining wear, first front axle, calibration Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control lever test Cylinder Balancing Cylinder compression Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test						•						
Brake lining wear, first rear axle, calibration Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second front axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch drag, test Clutch drag, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control box test Cylinder Balancing Cylinder compression Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test Dosing, test 2005-2012 • • • • • • • • • • • • • • • • • • •	-	·			•	_						
Brake lining wear, front axle, calibration Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control lever test Cylinder Balancing Cylinder compression Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test Dosing, test Control 2012 Control 2005-2012 Control 200					•							
Brake lining wear, rear axle, calibration Brake lining wear, second front axle, calibratio Brake lining wear, second rear axle, calibration Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Cylinder Balancing Cylinder compression Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test					•							
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Brake lining wear, second rear axle, calibration Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Cylinder Balancing Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test D12 D12 D12 D13 D15 D17 D18 D18 D18 D18 D19 D19 D19 D19					•							
Brake lining wear, third rear axle, calibration Brake pad thickness, test Clutch cylinder, test Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Cylinder Balancing Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test Cutch year box and pulling position calibratior 2005-2012		-										
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Clutch drag, test Clutch wear check, test Clutch, gearbox and pulling position calibratior Compressor resetting Control box test Control lever test Cylinder Balancing Cylinder compression Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Centrol lever test Cylinder Compression Cylinder Co	-	•			•							
Clutch wear check, test Clutch, gearbox and pulling position calibration 2005-2012 Clutch, gearbox and pulling position calibration 2005-2012 Compressor resetting Control box test Control lever test Cylinder Balancing Cylinder compression Cylinder deactivation Desiccant holder, air dryer, resetting Dosing, test Erase keys Gears, test 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012 2005-2012												
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Cylinder compression 2012 •	—											
Cylinder deactivation 2012 •				_								\vdash
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Dosing, test 2012 • • • Erase keys 2005-2012 • • • Gears, test 2005-2012 • • •		· · · · · · · · · · · · · · · · · · ·		•								
Erase keys 2005-2012 • • Gears, test 2005-2012 • •												-
Gears, test 2005-2012 • •				•								
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Control to Coulon do not a control to the control to the coulon do not be control to the coulo	-	Gears, test Gearshift cylinder 1/reverse gear, test	2005-2012					•				

			■ Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Gearshift cylinder 2/3, test		2005-2012					•				
Inclination sensor, test		2005-2012					•				
Injector programming cylinder 1		2012	•								
Injector programming cylinder 2		2012	•								
Injector programming cylinder 3		2012	•								
Injector programming cylinder 4		2012	•								
Injector programming cylinder 5		2012	•								
Injector programming cylinder 6		2012	•								
intermittent wiper test		2012			•						
Key counting		2005-2012						•			
Key programming		2005-2012						•			
Level sensor calibration		2012								•	
Level sensor test		2012								•	
Lever switch high beam / low bea	m test	2012			•						
Lever switch turn signal test		2012			•						
Lift axle switch, test		2012								•	
Light switch test		2012			•						
Modulator, front		2012		•							
Modulator, front left drive wheel		2012		•							
Modulator, front right drive whee	اد	2012		•							
Modulator, left front		2012		•							
Modulator, left rear		2012		•							
Modulator, rear left drive wheel		2012		•							
Modulator, rear right drive whee		2012		•							
Modulator, right front		2012		•							
Modulator, right rear		2012		•							
Modulator, trailing axle		2012		•							
Modulator, trailing unit		2012		•							
Pressure sensor test		2012								•	
PWM valves clutch, test		2005-2012					•				
Range cylinder, test		2005-2012					•				
SCR system drain, test		2012	•								
Solenoid valve, brake, intermedia	te shaft test	2005-2012					•				
Split cylinder, test		2005-2012					•				
Start-up SCR, test		2012	•								
Status, air dryer		2012									•
Transponder reading		2005-2012						•			
Urea crystallisation SCR Catalytic	silencer, rege	2012	•								
Warm-up valve, test		2012	•								
Wheel speed sensor test		2012		•							
FL6		2000-2006						•			
Erase keys		2000-2006						•			
Key counting		2000-2006						•			
Key programming		2000-2006						•			
Transponder reading		2000-2006						•			

		Engine	■ Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
FM9	2002-2005	_	-	_		$\overline{}$	•		Ē	一
Erase keys	2002-2005						•			\dashv
Key counting	2002-2005						•			\neg
Key programming	2002-2005						•			\neg
Transponder reading	2002-2005						•			\neg
,	•									
FM10	1998-2001						•			
Erase keys	1998-2001						•			
Key counting	1998-2001						•			
Key programming	1998-2001						•			
Transponder reading	1998-2001						•			
FM12	1998-2005						•			
Erase keys	1998-2005						•			
Key counting	1998-2005						•			
Key programming	1998-2005						•			
Transponder reading	1998-2005						•			
FH12	1999-2005						•			
Erase keys	1999-2005						•			
Key counting	1999-2005						•			
Key programming	1999-2005						•			
Transponder reading	1999-2005						•			
FM7	1998-2001						•			
Erase keys	1998-2001						•			
Key counting	1998-2001						•			
Key programming	1998-2001						•			
Transponder reading	1998-2001						•			

Engine
Brake
Instrument
AC
Gearbox
Immobiliser
Restraints
Multifunction

Service