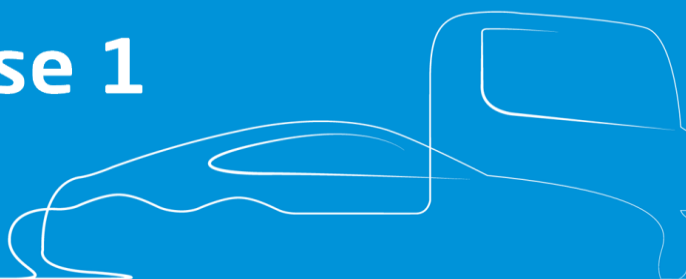


# 2012 Release 1 NEWS



## 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.

## GUIDE



### Brand

		Engine	Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
Model	2004-2007	●	●	●	●			●	●	●
Adjustments	2004-2006	●	●							
Programmings and tests	2006-2007								●	

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

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

The OBD functions e.g. Adjustments and programmings that are listed are new or updated for the marked system.

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



Citroën

[illegible]

Nemo	2008-2012									
Reset service	2008-2012									

[illegible]

Dacia

[illegible]




















## EvoBus Chassis

[illegible]

[illegible]

Doblo [00-05]	2001-2005	●		●				●		
Particulate filter replacement	2003-2005	●								

Fiorino [08-]	2008-2011									
Accumulator depressurisation	2009-2011									
Air flow meter replacement	2011									
Audio system test	2011									
AUTO switch replacement	2009-2011									
Bluetooth Network disconnection	2011									
Clutch bleed	2009-2011									
Clutch replacement	2009-2011									
Clutch self-calibration	2009-2011									
Convergence system reset	2011									
ECO switch replacement	2009-2011									
EGR Valve check	2011									

		Engine	Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
EGR valve programming	2011	●								
EGR valve test	2011	●								
Electric pump replacement	2009-2011					●				
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	●								
Lambda sensor replacement	2011	●								
Longitudinal acceleration signal learn	2009-2011					●				
New actuators	2009-2011					●				
Oil change	2011	●								●
Oil change reset (only for version with DPF)	2011	●								●
Particulate filter regeneration (only for version with DPF)	2011	●								
Particulate filter replacement	2011	●								
Pump relay replacement	2009-2011					●				
Rail pressure sensor replacement	2011	●								
Replacement of automatic gearbox	2009-2011					●				
Reset adaption	2011	●								
Reset service	2011	●								
Self learnt functions reset	2011	●								
Statistical data deletion	2009-2011					●				
Steering wheel levers replacement	2009-2011					●				
Ducato [06-]	2006-2011	●	●	●				●	●	
Lateral and longitudinal acceleration sensor calibration	2011		●							
Lateral and longitudinal acceleration sensor calibration	2011		●							
Particulate filter replacement	2006-2011	●								
Scudo [07-]	2007-2011	●	●	●				●	●	
Lateral and longitudinal acceleration sensor calibration	2007-2011		●							
Lateral and longitudinal acceleration sensor calibration	2007-2011		●							
Particulate filter replacement	2007-2011	●								



## Ford

Engine  
 Brake  
 Instrument  
 AC  
 Gearbox  
 Immobiliser  
 Restraints  
 Multifunction  
 Service

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	●								
Glow plug	2012	●								
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	●								
Reset pressure sensor diesel particel filter	2012	●								
Reset the Exhaust Gas Recirculation values	2012	●								
Reset The Fuel Metering Valve Learned Values	2012	●								
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		●							

Transit 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	●								
Glow plug	2012	●								
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	●								
Reset pressure sensor diesel particel filter	2012	●								
Reset the Exhaust Gas Recirculation values	2012	●								
Reset The Fuel Metering Valve Learned Values	2012	●								
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		●							

		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

All supported systems	1970	●								
Compression test	1970	●								
16-pin J1962 diagnostic socket	1970	●								
Compression test	1970	●								








## Iveco

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

[illegible][illegible][illegible][illegible]

EVADYS	2008-2011										
Cylinder deactivation	2008-2011										
Engine brake valve	2008-2011										
Engine speed	2008-2011										

[illegible][illegible]

CITELIS	2008-2011										
Cylinder deactivation	2008-2011										
Engine brake valve	2008-2011										
Engine speed	2008-2011										





















[illegible]





















		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	●								
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	●	●							
Cylinder deactivation	2008-2011	●								
Engine brake valve	2008-2011	●								
Engine speed	2008-2011	●								
PROXYS/PROWAY	2008-2011	●	●							
Cylinder deactivation	2008-2011	●								
Engine brake valve	2008-2011	●								
Engine speed	2008-2011	●								
CITYCLASS CURSOR	2008-2011	●								
Cylinder deactivation	2008-2011	●								
Engine brake valve	2008-2011	●								
Engine speed	2008-2011	●								



## 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
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	●								
Preheater unit	2003-2008	●								
Preheating prevention	2003-2008	●								
Pressure regulation adaptive	2003-2008	●								

[illegible]



## Renault

[illegible][illegible][illegible]

Master II	2001-2008	●								
Electric water pump	2001-2008	●								



## Renault Trucks

[illegible][illegible]

## Scania

G-Series	2005-2009	●								
Compression test	2005-2009	●								


















P-Series	2005-2009	●								
Compression test	2005-2009	●								

R-Series	2005-2009	●								
Compression test	2005-2009	●								



N-Series	2006-2009	●								
Compression test	2006-2009	●								



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 adaptations	2011									
Reset throttle position adaptations	2011									

Engine  
 Brake  
 Instrument  
 AC  
 Gearbox  
 Immobiliser  
 Restraints  
 Multifunction  
 Service



## Trailers

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



## Volkswagen

Caddy III [03-10]	2004-2010	•							•	
Code control unit	2004-2010								•	

T4 Transporter	2000-2003			•						
Change upper limit for days to next inspection	2000-2003			•						
Change upper limit for distance to next inspection	2000-2003			•						
Change value for oil quality	2000-2003			•						
Code control unit	2000-2003			•						
General-purpose configuration	2000-2003			•						

T5 Transporter [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		•							
Language Change	2012			•						
Learning end position damper motors	2012				•					
Rear distribution flap motor	2012				•					
Recall service message	2012			•						•
Regeneration	2012	•								
Replace air filter	2012	•								
Reset oxygen sensor adaptations	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 last inspection	2012			●						
Service interval data - lower limit for distance to next inspection	2012			●						
Service interval data - lower limit for time to next inspection	2012			●						
Service interval data - oil quality	2012			●						
Service interval data - thermal load	2012			●						
Service interval data - upper limit for distance to next inspection	2012			●						
Service interval data - upper limit for distance to next inspection	2012			●						
Service interval data - upper limit for time to next inspection	2012			●						
Service interval data - upper limit for time to next inspection	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 sensor	2012		●							
Zero compensation of longitudinal acceleration sensor	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		●							
Language Change	2012			●						
Learning end position damper motors	2012				●					
Rear distribution flap motor	2012				●					
Recall service message	2012			●						●
Regeneration	2012	●								
Replace air filter	2012	●								

		Engine	Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
		■	■	■	■	■	■	■	■	■
Reset oxygen sensor adaptations	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 t	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 t	2012			●						
Service interval data - upper limit for distance t	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		●							
Amarok	2010-2011								●	
Code control unit	2010-2011								●	
Caddy III [11-]	2011-2012	●	●	●	●	●	●	●	●	●
Adaption fuel pressure regulation valve	2011-2012	●								
Adaption of remote control	2012								●	
Bleed brake system	2012		●							
Bleeding, fuel system	2011-2012	●								
Boost pressure regulator	2012	●								
Catalytic particle filter (CPF) change	2011-2012	●								
Change value for oil quality	2012									●
Code control unit	2011-2012	●	●	●	●	●			●	
Coding rain/light sensor.	2012								●	
Cruise control function	2011-2012	●								
Deactivate factory mode	2012								●	
Difference pressure sensor replaced	2012	●								
Differential pressure sensor learning	2011-2012	●								
Electronic throttle control	2012	●								
Erasing fault memory - All systems	2012								●	
ESP driving test	2012		●							
Gear shift unit/position sensor	2012					●				
General-purpose configuration	2012								●	
Idle speed adjustment	2011-2012	●								
Initialization of the steering angle sensor	2012		●						●	
Injector programming	2011-2012	●								
Inlet valves basic setting	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 adaptations	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 t	2012			●						
Service interval data - upper limit for distance t	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					●				
Synchronization 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		●							



## Volvo Trucks

Engine  
 Brake  
 Instrument  
 AC  
 Gearbox  
 Immobiliser  
 Restraints  
 Multifunction  
 Service

FL	2012	●	●	●			●		●	●
AdBlue freeze monitor, calibration	2012	●								
Air suspension control box in-output signals status	2012								●	
Air suspension switches in-output signals status	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, regeneration	2012	●								
Warm-up valve, test	2012	●								
Wheel speed sensor test	2012		●							
Windscreen wiper and washer test	2012			●						

FE	2012	●	●	●			●		●	●
AdBlue freeze monitor, calibration	2012	●								
Air suspension control box in-output signals status	2012								●	
Air suspension switches in-output signals status	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	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		●							
Windscreen wiper and washer test	2012			●						

FM	2005-2012	●	●	●	●	●	●	●	●	●
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, calibration	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	2005-2012					●				
Clutch drag, test	2005-2012					●				
Clutch wear check, test	2005-2012					●				
Clutch, gearbox and pulling position calibration	2005-2012					●				
Clutch, gearbox and pulling position calibration	2005-2012					●				
Compressor resetting	2012									●
Control box test	2012								●	
Control lever test	2012			●						
Cylinder Balancing	2012	●								
Cylinder compression	2012	●								
Cylinder compression, test	2012	●								
Cylinder deactivation	2012	●								
Desiccant holder, air dryer, resetting	2012									●
Dosing, test	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					●				
Range cylinder, test	2005-2012					●				
SCR system drain, test	2012	●								
Solenoid valve, brake, intermediate 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		●							










		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, calibration	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		●							

		Engine	Brake	Instrument	AC	Gearbox	Immobiliser	Restraints	Multifunction	Service
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	2012					●				
Range cylinder, test	2012					●				
SCR system drain, test	2012	●								
Solenoid valve, brake, intermediate shaft test	2012					●				
Split cylinder, test	2012					●				
Start-up SCR, test	2012	●								
Status, air dryer	2012									●
Transponder reading	1999-2012						●			
Warm-up valve, test	2012	●								
Wheel speed sensor test	2012		●							

FH	2005-2012	●	●	●	●	●	●	●	●	●
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, calibration	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	2005-2012					●				
Clutch drag, test	2005-2012					●				
Clutch wear check, test	2005-2012					●				
Clutch, gearbox and pulling position calibration	2005-2012					●				
Clutch, gearbox and pulling position calibration	2005-2012					●				
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	2005-2012						●			
Gears, test	2005-2012					●				
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 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					●				
Range cylinder, test	2005-2012					●				
SCR system drain, test	2012	●								
Solenoid valve, brake, intermediate 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						●			
Erase keys	2002-2005						●			
Key counting	2002-2005						●			
Key programming	2002-2005						●			
Transponder reading	2002-2005						●			
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