

jaltest

**Multibrand diagnostics
Global solution**



INFORMACIÓN DE SISTEMAS

DIAGNOSIS

Allows to read the ECU failure memory by providing the user information about the error codes detected in it. This function allows the user to carry out the deleting of the errors memory; logically if the error is present, it will be detected again by the ECU and it will be displayed in the following diagnosis.

MEASURE VALUES

Displays on the screen the values of the different sensors connected to the ECU. Depends on each system.

ECU DATA

It is the technical data of the ECU, serial number, software version, manufacturer's reference, etc. Depends on each system.

COMPONENTS ACTUATION

They are the direct tests that can be done with the system components. For example, actuate an ABS modulator, activate the suspension solenoid valves in order to raise or low the vehicle chassis,... It is the active diagnosis, which, for example for the engine, allows to carry out tests calibrating its state, like the cylinders balance, cylinders shut off or compression. Depends on each system.

CALIBRATION

Some systems ask to calibrate some components for its correct operation. The best example are the electronic suspensions, in which there must be stored the reference values so the ECU can make function correctly.

PARAMETERS

Some ECU can operate with different configurations. With this option you can copy configurations and parameters to the control unit, so control units can be programmed in its first installation. For certain systems even the modification of some parameters not affecting the vehicles security is allowed.

RESET

This point refers to reset of the maintenance control units counters. If maintenance operations are done but maintenance alarm is not cancelled, the warning message referring to maintenance will keep on. Nothing to do with the memory error codes deleting, which is part of the diagnosis.

MANUAL PROCESS

Manual diagnosis process of the system through display codes, blinking codes...

ELECTRICAL SCHEME

Detailed diagram of the system containing added information on configuration, components, locations and notes which make the diagnosis easier.

SYSTEM TECHNICAL DATA

Technical information of the system indicating the checking values, descriptions, graphics, charts...

Indications on each system.

-  The option is included in JalTest.
-  New function or improvement.
-  Diagnosis function with help available.
-  This function is not available for this system.

INFORMACIÓN DE MODELOS

VEHICLE MAINTENANCE

Section in which the maintenance intervals are displayed, indicating the operations to be performed on the vehicle, and through which the reports that make the customers management of the workshop easier can be obtained.

VEHICLE TECHNICAL DATA

Technical information of vehicles including all the motorization technical data, tightening torques, capacities, graphics and other checking values...



CF65  

Central computer	VIC, Vehicle central computer	    
Maintenance	Service, Maintenance	        

CF65 IV  

Central computer	VIC-3, Vehicle central computer	   
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CF75 IV  

Central computer	VIC-3, Vehicle central computer	   
Retarder	EST-52, Retarder	     

CF85 IV  

Central computer	VIC-3, Vehicle central computer	   
Retarder	EST-52, Retarder	     

LF45 IV  

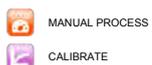
Central computer	VIC-3 Lite, Vehicle central computer	   
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LF55 IV  

Central computer	VIC-3 Lite, Vehicle central computer	   
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XF105  

Central computer	VIC-3, Vehicle central computer	   
Retarder	EST-52, Retarder	     





3500

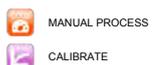
Gearbox	TCM, Gearbox management system			
Engine	ECM, Engine control system			

4500 [2008-...]

Gearbox	TCM, Gearbox management system			
Engine	ECM, Engine control system			

5500 [2008-...]

Gearbox	TCM, Gearbox management system			
Engine	ECM, Engine control system			



MANUAL PROCESS



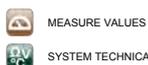
CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATE COMPONENTS



ELECTRICAL DRAWING



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



VEHICLE TECHNICAL DATA



EC14

Engine

EDC N14 Celect Plus, Engine control system





F750SD [2001-...]

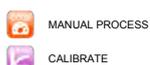
Gearbox	TCM, Gearbox management system						
Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	ECM, Engine control system						
Engine	EDC Standard J1708, Engine control system						

F800 [2001-2001]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

LCF [2006-...]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						





Generic

Engine

EDC Detroit Diesel MBE 4000, Engine control system





SAE J1939

Antipollution	SCR AdBlue SAE J1939, Exhaust gas treatment system			
Gearbox	Transmission TCM SAE J1939, Gearbox management system			
Central computer	Central Computer SAE J1939, Body computer			
Present system detection	SS, Present systems detection			
Brakes	ABS/EBS/ESP SAE J1939, Brake management system			
Instrument cluster	INS SAE J1939, Instrument cluster			
Engine	EDC/ECM SAE J1939, Engine control system			
Retarder	Retarder SAE J1939, Retarder			
Safety	Cruise Control SAE J1939, Adaptative Cruise Control			
Suspension	Suspension SAE J1939, Electronically controlled suspension system			



F6 [1997-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

F7 [1997-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

T6500 [2004-...]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

T7500 [2004-...]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

T8500 [2004-...]

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

W3500 [1998-...]

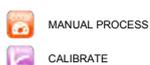
Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

W4500

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

W5500

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						





145 [2008-2010], engine: J05D-TF

Gearbox	Transmission SAE J1708, Transmission						
Gearbox	Transmission SAE J1939, Gearbox management system						
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

165 [2008-2010], engine: J05D-TF

Gearbox	Allison 1000 HS/RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 1000 HS/RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Transmission SAE J1708, Transmission						
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

185 [2008-2010], engine: J05D-TF

Gearbox	Allison 1000 HS/RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 1000 HS/RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Transmission SAE J1708, Transmission						
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

238 [2008-...], engine: J08E-TV

Gearbox	Allison 2200 HS/RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 2200 HS/RDS SAE J1939 (4th gen), Gearbox management system						
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

258 ALP [2008-...], engine: J08E-TV

Gearbox	Allison 2200 HS/RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 2200 HS/RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Eaton Ultrashift, Transmission						
Brakes	ABS Meritor Wabco, Antilock braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

258 LP [2008-...], engine: J08E-TV

Gearbox	Allison 2200 RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 2200 RDS SAE J1939 (4th gen), Gearbox management system						
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

268 [2008-...], engine: J08E-TV

Gearbox	Allison 2200 RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 2200 RDS SAE J1939 (4th gen), Gearbox management system						
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Gearbox	Allison 2200/2500 HS/RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 2200/2500 HS/RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Transmission SAE J1708, Transmission						
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

268 A [2008-...], engine: J08E-TV

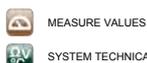
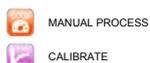
Gearbox	Allison 2200/2500 HS/RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 2200/2500 HS/RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Eaton Ultrashift, Transmission						
Brakes	ABS Meritor Wabco, Antilock braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

338 [2008-...], engine: J08E-TW

Gearbox	Allison 2500 RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 2500 RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Allison 3000 RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 3000 RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Eaton Ultrashift, Transmission						
Brakes	ABS Meritor Wabco, Antilock braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						

338 CT [2008-...], engine: J08E-TW

Gearbox	Allison 3000 RDS SAE J1708 (4th gen), Transmission						
Gearbox	Allison 3000 RDS SAE J1939 (4th gen), Gearbox management system						
Gearbox	Eaton Ultrashift, Transmission						
Brakes	ABS Meritor Wabco, Antilock braking system						
Engine	EDC/ECM SAE J1708, Engine control system						
Engine	EDC/ECM SAE J1939, Engine control system						





ALL MODELS

Gearbox

ZF AsTronic, Gearbox with electronic control





2554 [...-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

2574 [...-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

2654 [...-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

2674 [1991-2002]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

4800 [...-2003]

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

4900 [...-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

5000 [1993-2002]

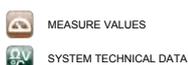
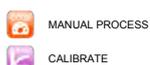
Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

5070 [...-2002]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

8100 [...-2003]

Gearbox	TECU, Transmission						
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HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
Central computer	CC, Body computer					
Present system detection	SS, Present systems detection					
Brakes	ABS, Antilock braking system					
Instrument cluster	INS, Instrument cluster					
Chassis module	BCU, Bodywork Module					
Engine	EDC Standard J1708, Engine control system					

9100 [1998-2003]

Gearbox	TECU, Transmission					
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
Central computer	CC, Body computer					
Present system detection	SS, Present systems detection					
Brakes	ABS, Antilock braking system					
Instrument cluster	INS, Instrument cluster					
Chassis module	BCU, Bodywork Module					
Engine	EDC Standard J1708, Engine control system					

LoneStar [2009-...]

Gearbox	TECU, Transmission					
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
Central computer	CC, Body computer					
Present system detection	SS, Present systems detection					
Brakes	ABS, Antilock braking system					
Instrument cluster	INS, Instrument cluster					
Chassis module	BCU, Bodywork Module					
Engine	EDC Standard J1708, Engine control system					



NPR

Antipollution	EOBD Standard, Standard protocol diagnosis	
Engine	EDC CR, Electronic Diesel Control	
Engine	EDC VE, Electronic Diesel Control	

NQR

Antipollution	EOBD Standard, Standard protocol diagnosis	
Engine	EDC CR, Electronic Diesel Control	

NQR 3D

Antipollution	EOBD Standard, Standard protocol diagnosis	
Brakes	ABS D, Antilock braking system	
Brakes	ABS E, Antilock braking system	
Engine	EDC CR, Electronic Diesel Control	



K100E [...-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

T400 [1995-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

T450 [...-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						



CL-613 [1998-2002]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

CL-712 [1993-2002]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

CL-713 [1993-2002]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

CL-733 [2003-2007]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

CS-200 [...-2003]

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

CS-250 [...-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

CS-300 [...-2003]

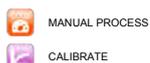
Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

DM-690 [...-2006]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	VECU, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

DMM-6906 [...-2002]

Gearbox	TECU, Transmission						
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HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

MR-690 [...-2007]

Gearbox	TECU, Transmission				
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

MS-200 [...-2003]

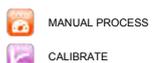
Gearbox	TECU, Transmission				
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

MS-250 [...-2003]

Gearbox	TECU, Transmission				
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

MS-300 [...-2003]

Gearbox	TECU, Transmission				
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HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

MV-322 [2002-2004]

Gearbox	TECU, Transmission				
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

RB-690 [...-2005]

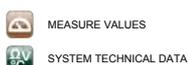
Gearbox	TECU, Transmission				
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

RD-690 [...-2005]

Gearbox	TECU, Transmission				
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

RD-888 [1999-2005]

Gearbox	TECU, Transmission				
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HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				

Titan TD-713 [2008-...]

Gearbox	TECU, Transmission				
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
Central computer	VECU, Body computer				
Present system detection	SS, Present systems detection				
Brakes	ABS, Antilock braking system				
Instrument cluster	INS, Instrument cluster				
Chassis module	BCU, Bodywork Module				
Engine	EDC Standard J1708, Engine control system				



Atego WDB970-976 OBD

Antipollution SCR Bluetec, Exhaust gas treatment system



Atego WDF375.1 OBD

Antipollution SCR Bluetec, Exhaust gas treatment system



Axor -C WDB940 - 944

Antipollution SCR Bluetec, Exhaust gas treatment system



Axor -C WDF940 - 944

Antipollution SCR Bluetec, Exhaust gas treatment system



Axor -R WDB950.5 - 954.6

Antipollution SCR Bluetec, Exhaust gas treatment system



Axor -R WDF375.3

Antipollution SCR Bluetec, Exhaust gas treatment system



Axor WDB940 - 944, WDF940 - 944

Antipollution SCR Bluetec, Exhaust gas treatment system



Econic WDB957.6 - 957.7 (OBD)

Antipollution SCR Bluetec, Exhaust gas treatment system



VARIO [2006-...]

Central computer FR, Electronic gear shift regulation



Brakes ABS, Antilock braking system



Engine MR, Pump-Pipe-Injector with electronic diesel control





ATLEON

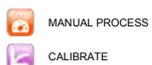


Brakes	HABS, Anti-lock hydraulic braking system			
Engine	EDC (Engine ZD30, Engine electronic control system			
Engine	EDC VP 30/44 Variant1, Distributor diesel injection pump			

CABSTAR



Brakes	HABS, Anti-lock hydraulic braking system			
Engine	EDC (Engine ZD30, Engine electronic control system			
Engine	EDC VP 30/44 Variant1, Distributor diesel injection pump			



MANUAL PROCESS



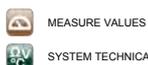
CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATE COMPONENTS



ELECTRICAL DRAWING



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



VEHICLE TECHNICAL DATA



210 [2008-...]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

357 [...-2007]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

378 [...-2007]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

379 [...-2007]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

385 [1996-2007]

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						



KERAX DXi

Gearbox	TECU Allison SAE J1939, Gearbox management system								
Engine	EMS Euro 4/5, Engine management system								

MAGNUM DXi

Engine	EMS Euro 4/5, Engine management system								
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MAXITY

Brakes	HABS, Anti-lock hydraulic braking system			
Engine	EDC, Engine electronic control system			

MIDLUM DXi

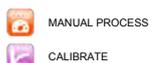
Gearbox	TECU Allison SAE J1939, Gearbox management system								
Engine	EMS Euro 4/5, Engine management system								

PREMIUM DXi

Gearbox	TECU Allison SAE J1939, Gearbox management system								
Engine	EMS Euro 4/5, Engine management system								

PREMIUM DXi Lander

Gearbox	TECU Allison SAE J1939, Gearbox management system								
Engine	EMS Euro 4/5, Engine management system								





Condor [2001-...]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

SC8000 [1999-...]

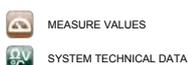
Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

SCT8000 [1999-2000]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

Silverstar Series - ST9500 [1999-2003]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						





SYSTEM MANUFACTURERS



Allison

Gearbox	1000/2000 Series (4th gen) SAE J1939, Gearbox management system								
Gearbox	3000/4000 Series (4th gen) SAE J1939, Gearbox management system								

Cummins

Engine	ISB CM2150D SAE J1939, Engine control system							
Engine	ISB CM2150D, Engine control system							
Engine	ISB CM850, Engine control system							
Engine	ISB4.5 /6.7 - ISD 4.5/6.7 CM2150 SN, Engine control system							
Engine	ISC - ISL - ISB CM2250, Engine control system							
Engine	ISC - ISL CM2150, Engine control system							
Engine	ISC CM2150, Engine control system							
Engine	ISC/ISL CM554, Engine control system							
Engine	ISF 2.8 - ISF 3.8 CM2220, Engine control system							
Engine	ISF 2.8 CM2220 S, Engine control system							
Engine	ISF 3.8 CM2220 S, Engine control system							
Engine	ISL 8.9 CM850, Engine control system							
Engine	ISL CM2150D, Engine control system							
Engine	ISL G CM2180A, Engine control system							
Engine	ISM - ISM11 CM876 SN, Engine control system							
Engine	ISM CM570, Engine control system							
Engine	ISX /ISZ13 CM2150 SN, Engine control system							
Engine	ISX CM2250, Engine control system							
Engine	ISX CM871, Engine control system							
Engine	ISZ CM2150D, Engine control system							
Engine	Signature ISX CM870 SAE J1939, Engine control system							

Detroit Diesel

Engine	EDC DDEC II, Detroit Diesel Electronic Control							
Engine	EDC Detroit Diesel MBE 4000, Engine control system							

Mack

Engine	VMAC II, Engine control system							
Engine	VMAC III, Engine control system							

MB

Central computer	ADM 2, Vehicle management computer							
Central computer	ADM, Vehicle management computer							
Engine	MR / PLD (4L & 6L cylinder), Pump-Pipe-Injector with electronic diesel control							
Engine	MR / PLD (6 cylinder), Pump-Pipe-Injector with electronic diesel control							
Engine	MR / PLD (6V & 8V cylinder), Pump-Pipe-Injector with electronic diesel control							

Meritor Wabco

Brakes	HABS, Anti-lock hydraulic braking system							
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Navistar

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



SYSTEM MANUFACTURERS

Engine	MaxxForce 11/13 (2008 - 2009) SAE J1939, Engine management system						
Engine	MaxxForce 5 (2007 - 2009) SAE J1939, Engine management system						
Engine	MaxxForce 7 (2007 - 2009) SAE J1939, Engine management system						
Engine	MaxxForce DT/9/10 (2007 - 2009) SAE J1939, Engine control system						
Paccar							
Engine	PX engine, Engine control system						
ZF Meritor							
Gearbox	SureShift, Transmission						
Gearbox	ZF FreedomLine (K Line), Gearbox with electronic control						



ALL MODELS

Gearbox

ZF AsTronic, Gearbox with electronic control





FH [2005-...]



Antipollution ADS/SCR AdBlue, Exhaust gas treatment system



FM [2005-...]



Antipollution ADS/SCR AdBlue, Exhaust gas treatment system





4842 [...-2002]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

4864 [...-2002]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

4942 [...-2001]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

4964 [...-2001]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

5842 [1997-2002]

	MANUAL PROCESS		DIAGNOSIS		MEASURE VALUES		ACTUATE COMPONENTS		ECU DATA		PARAMETERIZE
	CALIBRATE		RESET		SYSTEM TECHNICAL DATA		ELECTRICAL DRAWING		VEHICLE MAINTENANCE		VEHICLE TECHNICAL DATA



Gearbox	TECU, Transmission					
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
Central computer	CC, Body computer					
Present system detection	SS, Present systems detection					
Brakes	ABS, Antilock braking system					
Instrument cluster	INS, Instrument cluster					
Chassis module	BCU, Bodywork Module					
Engine	EDC Standard J1708, Engine control system					

5864 [1997-2002]

Gearbox	TECU, Transmission					
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
Central computer	CC, Body computer					
Present system detection	SS, Present systems detection					
Brakes	ABS, Antilock braking system					
Instrument cluster	INS, Instrument cluster					
Chassis module	BCU, Bodywork Module					
Engine	EDC Standard J1708, Engine control system					

5900 [2002-2003]

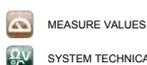
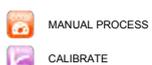
Gearbox	TECU, Transmission					
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
Central computer	CC, Body computer					
Present system detection	SS, Present systems detection					
Brakes	ABS, Antilock braking system					
Instrument cluster	INS, Instrument cluster					
Chassis module	BCU, Bodywork Module					
Engine	EDC Standard J1708, Engine control system					

5942 [...-2001]

Gearbox	TECU, Transmission					
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
Central computer	CC, Body computer					
Present system detection	SS, Present systems detection					
Brakes	ABS, Antilock braking system					
Instrument cluster	INS, Instrument cluster					
Chassis module	BCU, Bodywork Module					
Engine	EDC Standard J1708, Engine control system					

5964 [...-2001]

Gearbox	TECU, Transmission					
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HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						

6964 [2000-2001]

Gearbox	TECU, Transmission						
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control						
Central computer	CC, Body computer						
Present system detection	SS, Present systems detection						
Brakes	ABS, Antilock braking system						
Instrument cluster	INS, Instrument cluster						
Chassis module	BCU, Bodywork Module						
Engine	EDC Standard J1708, Engine control system						



Trailer

ABS Trailer	Bendix, Antilock braking system								
ABS Trailer	Meritor Wabco, Antilock braking system								
ABS Trailer	Meritor Wabco, Antilock braking system								
ABS Trailer	MID 137, Antilock braking system								



A0808T

Gearbox	TCM Allison 3000/4000 (4th), Gearbox management system									
Engine	ECM, Engine control system									
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system									
Suspension	ECAS/ESAC, Electronically controlled suspension system									

A0909

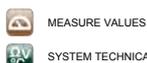
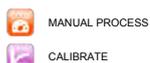
Antipollution	ADS AdBlue, Exhaust gas treatment system									
Central computer	VECU Euro 3, Vehicle Electronic Control Unit									
Central computer	VECU IV, Vehicle Electronic Control Unit									
Brakes	ABS D, Antilock braking system									
Brakes	ABS E, Antilock braking system									
Compressed air processing	APM, Compressed air production management									
Instrument cluster	IC 05, Instrument cluster 04									
Instrument cluster	INS Euro 3, Instrument cluster									
Engine	ECM, Engine control system									
Engine	EECU CR MS6.3 E, Diesel injection control, common rail									
Engine	EMS Euro 4/5, Engine management system									
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system									
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system									
Suspension	ECAS/ESAC, Electronically controlled suspension system									

A1010T

Central computer	VECU Euro 3, Vehicle Electronic Control Unit									
Brakes	ABS D, Antilock braking system									
Brakes	ABS E, Antilock braking system									
Instrument cluster	INS Euro 3, Instrument cluster									
Engine	ECM, Engine control system									
Engine	EECU CR MS6.3 E, Diesel injection control, common rail									
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system									
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system									
Suspension	ECAS/ESAC, Electronically controlled suspension system									

A1012T

Antipollution	ADS AdBlue, Exhaust gas treatment system									
Central computer	VECU IV, Vehicle Electronic Control Unit									
Central computer	VECU, Vehicle Electronic Control Unit									
Brakes	ABS D, Antilock braking system									
Brakes	ABS E, Antilock braking system									
Compressed air processing	APM, Compressed air production management									
Instrument cluster	IC 05, Instrument cluster 04									
Instrument cluster	IC 2000 Euro 3, Instrument cluster									





Engine	ECM, Engine control system							
Engine	EECU CR MS6.3 E, Diesel injection control, common rail							
Engine	EMS Euro 4/5, Engine management system							
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system							
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system							
Suspension	ECAS/ESAC, Electronically controlled suspension system							

A1012T RAMZES

Gearbox	TCM Allison 3000/4000 (4th), Gearbox management system							
Brakes	ABS D, Antilock braking system							
Brakes	ABS E, Antilock braking system							
Brakes	EBS 2, Electronic Braking System							
Brakes	EBS, Electronic Braking System							
Engine	ECM, Engine control system							
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system							
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system							
Suspension	ECAS/ESAC, Electronically controlled suspension system							

A1112T

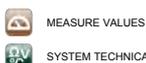
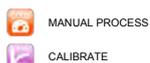
Brakes	ABS D, Antilock braking system							
Brakes	ABS E, Antilock braking system							
Engine	ECM, Engine control system							
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system							
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system							
Suspension	ECAS/ESAC, Electronically controlled suspension system							

A1212C

Gearbox	TCM Allison 3000/4000 (4th), Gearbox management system							
Brakes	EBS 2, Electronic Braking System							
Brakes	EBS, Electronic Braking System							
Engine	ECM, Engine control system							
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system							
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system							
Suspension	ECAS/ESAC, Electronically controlled suspension system							

A1213C

Gearbox	TCM Allison 3000/4000 (4th), Gearbox management system							
Brakes	EBS 2, Electronic Braking System							
Brakes	EBS, Electronic Braking System							
Engine	ECM, Engine control system							
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system							
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system							





Suspension	ECAS/ESAC, Electronically controlled suspension system										
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A1213CLE

Gearbox	TCM Allison 3000/4000 (4th), Gearbox management system										
Brakes	EBS 2, Electronic Braking System										
Brakes	EBS, Electronic Braking System										
Engine	ECM, Engine control system										
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system										
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system										
Suspension	ECAS/ESAC, Electronically controlled suspension system										

A1215DLE

Antipollution	EAS-2, Exhaust gas treatment system										
Gearbox	TCM Allison 3000/4000 (4th), Gearbox management system										
Brakes	EBS 2, Electronic Braking System										
Brakes	EBS, Electronic Braking System										
Engine	DMCI, Multi-Controlled Injection										
Suspension	ECAS 446 055 311 0, Electronically controlled suspension system										
Suspension	ECAS 446 055 503 0, Electronically controlled suspension system										
Suspension	ECAS CAN, Electronically controlled suspension system										
Suspension	ECAS/ESAC, Electronically controlled suspension system										

A8V

Brakes	ABS, Antilock braking system										
Engine	MR, Pump-Pipe-Injector with electronic diesel control										

H7

Brakes	ABS, Antilock braking system										
Engine	MR, Pump-Pipe-Injector with electronic diesel control										

M09LE

Gearbox	TCM Allison 3000/4000 (4th), Gearbox management system										
Brakes	EBS 2, Electronic Braking System										
Brakes	EBS, Electronic Braking System										
Engine	ECM, Engine control system										

M12LE

Brakes	EBS 2, Electronic Braking System										
Brakes	EBS, Electronic Braking System										
Engine	ECM, Engine control system										

M12LF

Antipollution	Denox2, Exhaust gas treatment system										
Gearbox	DIWA 3, Automatic gearbox										
Brakes	EBS 2, Electronic Braking System										
Brakes	EBS, Electronic Braking System										

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Engine	EDC 7 UC31 CR, Electronic diesel control, common rail						
Engine	EDC 7 UC31 UPS, Engine managment system, pump-injectors						
M18LF							
Antipollution	Denox2, Exhaust gas treatment system						
Brakes	EBS 2, Electronic Braking System						
Brakes	EBS, Electronic Braking System						
Engine	EDC 7 UC31 CR, Electronic diesel control, common rail						
Engine	EDC 7 UC31 UPS, Engine managment system, pump-injectors						



Generic Bus

Engine

EDC Detroit Diesel MBE 4000, Engine control system





SAE J1939

Antipollution	SCR AdBlue SAE J1939, Exhaust gas treatment system			
Gearbox	Transmission TCM SAE J1939, Gearbox management system			
Central computer	Central Computer SAE J1939, Body computer			
Present system detection	SS, Present systems detection			
Brakes	ABS/EBS/ESP SAE J1939, Brake management system			
Instrument cluster	INS SAE J1939, Instrument cluster			
Engine	EDC/ECM SAE J1939, Engine control system			
Retarder	Retarder SAE J1939, Retarder			
Safety	Cruise Control SAE J1939, Adaptative Cruise Control			
Suspension	Suspension SAE J1939, Electronically controlled suspension system			



K 230 IB [2005-...]

Present system detection SS, Present systems detection

K 270 IB [2005-...]

Present system detection SS, Present systems detection

K 310 IB

Present system detection SS, Present systems detection

K 310 IB [2005-...]

Present system detection SS, Present systems detection

K 340 EB

Present system detection SS, Present systems detection

K 340 IB

Present system detection SS, Present systems detection

K 380 EB

Present system detection SS, Present systems detection

K 380 IB

Present system detection SS, Present systems detection

K 420 EB

Present system detection SS, Present systems detection

K 420 IB

Present system detection SS, Present systems detection

K 470 EB

Present system detection SS, Present systems detection

N 230 UB [2005-...]

Present system detection SS, Present systems detection

N 270 UB [2005-...]

Present system detection SS, Present systems detection

N 310 UB [2005-...]

Present system detection SS, Present systems detection





Allison

Gearbox	1000/2000 Series (4th gen) SAE J1939, Gearbox management system								
Gearbox	3000/4000 Series (4th gen) SAE J1939, Gearbox management system								

Cummins

Engine	ISB CM2150D SAE J1939, Engine control system							
Engine	ISB CM2150D, Engine control system							
Engine	ISB CM850, Engine control system							
Engine	ISB4.5 /6.7 - ISD 4.5/6.7 CM2150 SN, Engine control system							
Engine	ISC - ISL - ISB CM2250, Engine control system							
Engine	ISC - ISL CM2150, Engine control system							
Engine	ISC CM2150, Engine control system							
Engine	ISC/ISL CM554, Engine control system							
Engine	ISF 2.8 CM2220 S, Engine control system							
Engine	ISL 8.9 CM850, Engine control system							
Engine	ISL CM2150D, Engine control system							
Engine	ISL G CM2180A, Engine control system							
Engine	ISM - ISM11 CM876 SN, Engine control system							
Engine	ISM CM570, Engine control system							
Engine	ISX /ISZ13 CM2150 SN, Engine control system							
Engine	ISX CM2250, Engine control system							
Engine	ISX CM871, Engine control system							
Engine	ISZ CM2150D, Engine control system							
Engine	Signature ISX CM870 SAE J1939, Engine control system							
Engine	Transit Bus ISL 8.3 CM850, Engine control system							

Detroit Diesel

Engine	EDC DDEC II, Detroit Diesel Electronic Control							
Engine	EDC Detroit Diesel MBE 4000, Engine control system							

MB

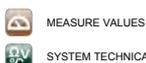
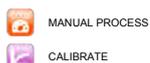
Central computer	ADM 2, Vehicle management computer							
Central computer	ADM, Vehicle management computer							
Engine	MR / PLD (4L & 6L cylinder), Pump-Pipe-Injector with electronic diesel control							
Engine	MR / PLD (6 cylinder), Pump-Pipe-Injector with electronic diesel control							
Engine	MR / PLD (6V & 8V cylinder), Pump-Pipe-Injector with electronic diesel control							

Meritor Wabco

Brakes	HABS, Anti-lock hydraulic braking system							
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Navistar

Engine	MaxxForce 11/13 (2008 - 2009) SAE J1939, Engine management system							
Engine	MaxxForce 5 (2007 - 2009) SAE J1939, Engine management system							
Engine	MaxxForce 7 (2007 - 2009) SAE J1939, Engine management system							





SYSTEM MANUFACTURERS

Engine	MaxxForce DT/9/10 (2007 - 2009) SAE J1939, Engine control system						
Paccar							
Engine	PX engine, Engine control system						
ZF Meritor							
Gearbox	SureShift, Transmission						



Jumper 2.2 HDi [2006-...], engine: 4HU

Brakes	ABS 8 Var 3, Antilock braking system				
Safety	AB 5.0, Airbag				

Jumper 2.2 HDi [2006-...], engine: 4HV

Brakes	ABS 8 Var 3, Antilock braking system				
Safety	AB 5.0, Airbag				

Jumper 3.0 HDi [2006-...]

Brakes	ABS 8 Var 3, Antilock braking system				
Safety	AB 5.0, Airbag				



Sprinter 2500 2.7 [2003-2006]

Engine EDC 15 C6, Electronic Diesel Control



Engine EDC 16 C, Electronic Diesel Control





Ducato 11 2.2 JTD [2006-...], engine: 4HV

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 11 2.3 JTD [2006-...], engine: F1AE0481D

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 11 2.3 JTD [2006-...], engine: F1AE0481N

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 11 2.3 JTD [2008-...], engine: F1AE0481C

Safety	AB 5.0, Airbag					
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Ducato 11 3.0 JTD [2006-...], engine: F1CE0481D

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 15 2.2 JTD [2006-...], engine: 4HV

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 15 2.3 JTD [2006-...], engine: F1AE0481D

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 15 2.3 JTD [2006-...], engine: F1AE0481N

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 15 2.3 JTD [2008-...], engine: F1AE0481C

Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 15 2.3 JTD EGR [2008-...], engine: F1AE0481C

Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 15 3.0 JTD [2006-...], engine: F1CE0481D

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

Ducato 17 2.2 JTD [2006-...], engine: 4HV

Brakes	ABS 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB 5.0, Airbag					

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



FIAT



Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato 17 2.3 JTD [2006-...], engine: F1AE0481D

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato 17 2.3 JTD [2006-...], engine: F1AE0481N

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato 17 3.0 JTD [2006-...], engine: F1CE0481D

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato 18 2.3 JTD [2008-...], engine: F1AE0481C

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato 18 2.3 JTD EGR [2008-...], engine: F1AE0481C

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato Cargo 2.8 JTD [2005-2009], engine: 8140.43S

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				

Ducato Combinato 2.8 JTD [2005-2009], engine: 8140.43S

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				

Ducato Maxi 17 2.3 JTD [2006-...], engine: F1AE0481D

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato Maxi 17 2.3 JTD [2006-...], engine: F1AE0481N

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

Ducato Maxi 17 3.0 JTD [2006-...], engine: F1CE0481D

Brakes	ABS 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB 5.0, Airbag				

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Ducato Maxi 20 2.3 JTD [2006-...], engine: F1AE0481D

Brakes	ABS 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB 5.0, Airbag						

Ducato Maxi 20 2.3 JTD [2006-...], engine: F1AE0481N

Brakes	ABS 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB 5.0, Airbag						

Ducato Maxi 20 3.0 JTD [2006-...], engine: F1CE0481D

Brakes	ABS 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB 5.0, Airbag						

Ducato Maxi Cargo 2.8 JTD [2005-2009], engine: 8140.43S

Brakes	ABS 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						

Ducato Minibus 2.8 JTD [2005-2009], engine: 8140.43S

Brakes	ABS 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						

Ducato Multi T.A. 2.8 JTD [2005-2009], engine: 8140.43S

Brakes	ABS 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						

Ducato Multi T.B. 2.8 JTD [2005-2009], engine: 8140.43S

Brakes	ABS 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						



Transit Connect 1.8 TDCi [2002-...], engine: HCPA

Electronic module PDK T1.0, Parking help system

Transit Connect 1.8 TDCi [2002-...], engine: HCPB

Electronic module PDK T1.0, Parking help system

Transit Connect 1.8 TDCi [2006-...], engine: BHPA

Electronic module PDK T1.0, Parking help system

Transit Connect 1.8 TDCi [2006-...], engine: RWPA

Electronic module PDK T1.0, Parking help system

Transit Connect 1.8 TDDi [2002-...], engine: BHPA

Electronic module PDK T1.0, Parking help system

Transit Connect 1.8 TDDi [2002-...], engine: BHPB

Electronic module PDK T1.0, Parking help system

Transit Euroline 2.0 TDCi [2002-2006], engine: F1FA

Safety AB C1.0, Airbag

Transit Euroline 2.0 TDE [2000-2006], engine: ABFA

Safety AB C1.0, Airbag

Transit Euroline 2.2 TDCi [2006-...], engine: QVFA

Brakes ABS 8.0, Antilock braking system

Brakes ABS/ABD 8.0, Antilock braking system

Brakes ESP 8.0, Electronic stability control

Safety AB C1.1, Airbag

Transit Euroline 2.2 TDCi [2006-2007], engine: QWF...

Brakes ABS 8.0, Antilock braking system

Brakes ABS/ABD 8.0, Antilock braking system

Brakes ESP 8.0, Electronic stability control

Safety AB C1.1, Airbag

Transit Euroline 2.2 TDCi [2007-...], engine: PGFA

Safety AB C1.1, Airbag

Transit Euroline 2.2 TDCi [2008-...]

Safety AB C1.1, Airbag

Transit FT 240 K/S 2.0 TD [2000-2006], engine: D3FA

Safety AB C1.0, Airbag

Transit FT 240 K/S 2.0 TDE [2000-2006], engine: F3FA

Safety AB C1.0, Airbag

Transit FT 260 2.2 TDCi [2006-...], engine: P8F...

Brakes ABS 8.0, Antilock braking system

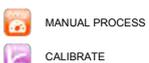
Brakes ABS/ABD 8.0, Antilock braking system

Brakes ESP 8.0, Electronic stability control

Safety AB C1.1, Airbag

Transit FT 260 2.2 TDCi [2006-...], engine: QVFA

Brakes ABS 8.0, Antilock braking system





Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 260 2.2 TDCi [2006-2007], engine: QWF...

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 260 2.2 TDCi [2007-...], engine: PGFA

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 260 2.2 TDCi [2008-...]

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 260 K/S 2.0 TD [2000-2006], engine: D3FA

Safety	AB C1.0, Airbag						
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Transit FT 260 K/S 2.0 TDCi [2002-2006], engine: F1FA

Safety	AB C1.0, Airbag						
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Transit FT 260 K/S 2.0 TDE [2000-2006], engine: ABFA

Safety	AB C1.0, Airbag						
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Transit FT 260 K/S 2.0 TDE [2000-2006], engine: F3FA

Safety	AB C1.0, Airbag						
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Transit FT 260 K/S 2.4 TDE [2001-2006], engine: D2F...

Safety	AB C1.0, Airbag						
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Transit FT 280 2.2 TDCi [2006-...], engine: P8F...

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 280 2.2 TDCi [2006-...], engine: QVFA

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

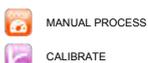
Transit FT 280 2.2 TDCi [2006-2007], engine: QWF...

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Brakes	ESP 8.0, Electronic stability control							
Safety	AB C1.1, Airbag							
Transit FT 280 2.2 TDCi [2007-...], engine: PGFA								
Brakes	ABS 8.0, Antilock braking system							
Brakes	ABS/ABD 8.0, Antilock braking system							
Brakes	ESP 8.0, Electronic stability control							
Safety	AB C1.1, Airbag							
Transit FT 280 2.2 TDCi [2008-...]								
Brakes	ABS 8.0, Antilock braking system							
Brakes	ABS/ABD 8.0, Antilock braking system							
Brakes	ESP 8.0, Electronic stability control							
Safety	AB C1.1, Airbag							
Transit FT 280 K/S 2.0 TD [2000-2006], engine: D3FA								
Safety	AB C1.0, Airbag							
Transit FT 280 K/S 2.0 TDCi [2002-2006], engine: FIFA								
Safety	AB C1.0, Airbag							
Transit FT 280 K/S 2.0 TDE [2000-2006], engine: ABFA								
Safety	AB C1.0, Airbag							
Transit FT 280 K/S 2.0 TDE [2000-2006], engine: F3FA								
Safety	AB C1.0, Airbag							
Transit FT 280 K/S 2.4 TDE [2001-2006], engine: D2F...								
Safety	AB C1.0, Airbag							
Transit FT 280 L 2.4 TDE [2000-2003], engine: F4FA								
Safety	AB C1.0, Airbag							
Transit FT 280 L 2.4 TDE [2000-2006], engine: D2F...								
Safety	AB C1.0, Airbag							
Transit FT 280 L 2.4 TDE [2000-2006], engine: DOFA								
Safety	AB C1.0, Airbag							
Transit FT 280 L 2.4 TDE [2004-2006], engine: FXFA								
Safety	AB C1.0, Airbag							
Transit FT 280 M 2.0 TD [2000-2006], engine: D3FA								
Safety	AB C1.0, Airbag							
Transit FT 280 M 2.0 TDCi [2002-2006], engine: FIFA								
Safety	AB C1.0, Airbag							
Transit FT 280 M 2.0 TDE [2000-2006], engine: ABFA								
Safety	AB C1.0, Airbag							
Transit FT 280 M 2.0 TDE [2000-2006], engine: F3FA								
Safety	AB C1.0, Airbag							
Transit FT 280 M 2.4 TDE [2001-2006], engine: D2F...								
Safety	AB C1.0, Airbag							
Transit FT 280 S 2.4 TDI [2001-2006]								



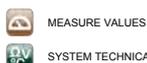
MANUAL PROCESS

CALIBRATE



DIAGNOSIS

RESET



MEASURE VALUES

SYSTEM TECHNICAL DATA



ACTUATE COMPONENTS

ELECTRICAL DRAWING



ECU DATA

VEHICLE MAINTENANCE



PARAMETERIZE

VEHICLE TECHNICAL DATA



Safety	AB C1.0, Airbag				
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Transit FT 300 2.2 TDCi [2006-...], engine: P8F...

Brakes	ABS 8.0, Antilock braking system				
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Brakes	ABS/ABD 8.0, Antilock braking system				
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Brakes	ESP 8.0, Electronic stability control				
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Safety	AB C1.1, Airbag				
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Transit FT 300 2.2 TDCi [2006-...], engine: QVFA

Brakes	ABS 8.0, Antilock braking system				
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Brakes	ABS/ABD 8.0, Antilock braking system				
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Brakes	ESP 8.0, Electronic stability control				
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Safety	AB C1.1, Airbag				
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Transit FT 300 2.2 TDCi [2006-2007], engine: QWF...

Brakes	ABS 8.0, Antilock braking system				
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Brakes	ABS/ABD 8.0, Antilock braking system				
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Brakes	ESP 8.0, Electronic stability control				
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Safety	AB C1.1, Airbag				
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Transit FT 300 2.2 TDCi [2007-...], engine: PGFA

Brakes	ABS 8.0, Antilock braking system				
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Brakes	ABS/ABD 8.0, Antilock braking system				
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Brakes	ESP 8.0, Electronic stability control				
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Safety	AB C1.1, Airbag				
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Transit FT 300 2.2 TDCi [2008-...]

Brakes	ABS 8.0, Antilock braking system				
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Brakes	ABS/ABD 8.0, Antilock braking system				
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Brakes	ESP 8.0, Electronic stability control				
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Safety	AB C1.1, Airbag				
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Transit FT 300 2.4 TDCi [2006-...], engine: PHF...

Brakes	ABS 8.0, Antilock braking system				
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Brakes	ABS/ABD 8.0, Antilock braking system				
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Brakes	ESP 8.0, Electronic stability control				
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Safety	AB C1.1, Airbag				
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Transit FT 300 K/S 2.0 TD [2000-2006], engine: D3FA

Safety	AB C1.0, Airbag				
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Transit FT 300 K/S 2.0 TDCi [2002-2006], engine: FIFA

Safety	AB C1.0, Airbag				
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Transit FT 300 K/S 2.0 TDE [2000-2006], engine: ABFA

Safety	AB C1.0, Airbag				
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Transit FT 300 K/S 2.0 TDE [2000-2006], engine: F3FA

Safety	AB C1.0, Airbag				
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Transit FT 300 L 2.0 TD [2000-2006], engine: D3FA

Safety	AB C1.0, Airbag				
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MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Transit FT 300 L 2.0 TDCi [2002-2006], engine: FIFA

Safety AB C1.0, Airbag

Transit FT 300 L 2.0 TDE [2000-2006], engine: ABFA

Safety AB C1.0, Airbag

Transit FT 300 L 2.0 TDE [2000-2006], engine: F3FA

Safety AB C1.0, Airbag

Transit FT 300 M 2.0 TD [2000-2006], engine: D3FA

Safety AB C1.0, Airbag

Transit FT 300 M 2.0 TDCi [2002-2006], engine: FIFA

Safety AB C1.0, Airbag

Transit FT 300 M 2.0 TDE [2000-2006], engine: ABFA

Safety AB C1.0, Airbag

Transit FT 300 M 2.0 TDE [2000-2006], engine: F3FA

Safety AB C1.0, Airbag

Transit FT 300 S 2.0 TDCi [2002-2006], engine: FIFA

Safety AB C1.0, Airbag

Transit FT 300 S 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 300 S 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 310 S 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 330 2.2 TDCi [2006-...], engine: QVFA

Brakes ABS 8.0, Antilock braking system

Brakes ABS/ABD 8.0, Antilock braking system

Brakes ESP 8.0, Electronic stability control

Safety AB C1.1, Airbag

Transit FT 330 2.2 TDCi [2006-2007], engine: QWF...

Brakes ABS 8.0, Antilock braking system

Brakes ABS/ABD 8.0, Antilock braking system

Brakes ESP 8.0, Electronic stability control

Safety AB C1.1, Airbag

Transit FT 330 2.2 TDCi [2007-...], engine: PGFA

Brakes ABS 8.0, Antilock braking system

Brakes ABS/ABD 8.0, Antilock braking system

Brakes ESP 8.0, Electronic stability control

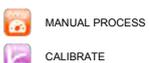
Safety AB C1.1, Airbag

Transit FT 330 2.2 TDCi [2008-...]

Brakes ABS 8.0, Antilock braking system

Brakes ABS/ABD 8.0, Antilock braking system

Brakes ESP 8.0, Electronic stability control





Safety	AB C1.1, Airbag			
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Transit FT 330 2.4 TDCi [2006-...], engine: H...

Brakes	ABS 8.0, Antilock braking system							
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Brakes	ABS/ABD 8.0, Antilock braking system							
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Brakes	ESP 8.0, Electronic stability control							
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Safety	AB C1.1, Airbag			
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Transit FT 330 2.4 TDCi [2006-...], engine: JXFA

Brakes	ABS 8.0, Antilock braking system			
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Brakes	ABS/ABD 8.0, Antilock braking system							
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Brakes	ESP 8.0, Electronic stability control							
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Safety	AB C1.1, Airbag			
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Transit FT 330 2.4 TDCi [2006-...], engine: PHF...

Brakes	ABS 8.0, Antilock braking system			
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Brakes	ABS/ABD 8.0, Antilock braking system							
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Brakes	ESP 8.0, Electronic stability control							
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Safety	AB C1.1, Airbag			
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Transit FT 330 2.4 TDCi 4x4 [2007-...], engine: H...

Brakes	ABS 8.0, Antilock braking system			
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Brakes	ABS/ABD 8.0, Antilock braking system							
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Brakes	ESP 8.0, Electronic stability control							
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Safety	AB C1.1, Airbag			
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Transit FT 330 K/S 2.0 TDCi [2002-2006], engine: FIFA

Safety	AB C1.0, Airbag			
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Transit FT 330 K/S 2.0 TDE [2003-2006], engine: ABFA

Safety	AB C1.0, Airbag			
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Transit FT 330 K/S 2.4 TD [2000-2003], engine: F4FA

Safety	AB C1.0, Airbag			
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Transit FT 330 K/S 2.4 TDCi [2004-2006], engine: H9FA

Safety	AB C1.0, Airbag			
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Transit FT 330 K/S 2.4 TDE [2000-2006], engine: D2F...

Safety	AB C1.0, Airbag			
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Transit FT 330 K/S 2.4 TDE [2000-2006], engine: D4FA

Safety	AB C1.0, Airbag			
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Transit FT 330 K/S 2.4 TDE [2000-2006], engine: DOFA

Safety	AB C1.0, Airbag			
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Transit FT 330 K/S 2.4 TDE [2004-2006], engine: FXFA

Safety	AB C1.0, Airbag			
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Transit FT 330 L 2.0 TDCi [2002-2006], engine: FIFA

Safety	AB C1.0, Airbag			
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Transit FT 330 L 2.0 TDE [2003-2006], engine: ABFA

Safety	AB C1.0, Airbag			
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MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Transit FT 330 L 2.4 TD [2000-2003], engine: F4FA

Safety AB C1.0, Airbag

Transit FT 330 L 2.4 TDCi [2004-2006], engine: H9FA

Safety AB C1.0, Airbag

Transit FT 330 L 2.4 TDE [2000-2006], engine: D2F...

Safety AB C1.0, Airbag

Transit FT 330 L 2.4 TDE [2000-2006], engine: D4FA

Safety AB C1.0, Airbag

Transit FT 330 L 2.4 TDE [2000-2006], engine: DOFA

Safety AB C1.0, Airbag

Transit FT 330 L 2.4 TDE [2004-2006], engine: FXFA

Safety AB C1.0, Airbag

Transit FT 330 L 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 330 L 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 330 M 2.0 TDCi [2002-2006], engine: F1FA

Safety AB C1.0, Airbag

Transit FT 330 M 2.0 TDE [2003-2006], engine: ABFA

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TD [2000-2003], engine: F4FA

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TDCi [2004-2006], engine: H9FA

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TDE [2000-2006], engine: D2F...

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TDE [2000-2006], engine: D4FA

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TDE [2000-2006], engine: DOFA

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TDE [2004-2006], engine: FXFA

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 330 M 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 330 S 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 330 S 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag

Transit FT 330 S 2.4 TDI [2001-2006]

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Safety	AB C1.0, Airbag					
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Transit FT 350 2.2 TDCi [2006-...], engine: QVFA

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

Transit FT 350 2.2 TDCi [2006-2007], engine: QWF...

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

Transit FT 350 2.2 TDCi [2007-...], engine: PGFA

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

Transit FT 350 2.2 TDCi [2008-...]

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

Transit FT 350 2.4 TDCi [2006-...], engine: H...

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

Transit FT 350 2.4 TDCi [2006-...], engine: JXFA

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

Transit FT 350 2.4 TDCi [2006-...], engine: PHF...

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

Transit FT 350 2.4 TDCi 4x4 [2007-...], engine: H...

Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Transit FT 350 3.2 TDCi [2007-...], engine: SAF...

Brakes	ABS 8.0, Antilock braking system				
Brakes	ABS/ABD 8.0, Antilock braking system				
Brakes	ESP 8.0, Electronic stability control				
Safety	AB C1.1, Airbag				

Transit FT 350 E 2.4 TDI [2001-2006]

Safety	AB C1.0, Airbag			
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Transit FT 350 E 2.4 TDI [2001-2006]

Safety	AB C1.0, Airbag			
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Transit FT 350 E 2.4 TDI [2004-2006]

Safety	AB C1.0, Airbag			
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Transit FT 350 EL 2.0 TDCi [2002-2006], engine: FIFA

Safety	AB C1.0, Airbag			
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Transit FT 350 EL 2.0 TDE [2003-2006], engine: ABFA

Safety	AB C1.0, Airbag			
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Transit FT 350 EL 2.4 TD [2000-2003], engine: F4FA

Safety	AB C1.0, Airbag			
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Transit FT 350 EL 2.4 TDCi [2004-2006], engine: H9FA

Safety	AB C1.0, Airbag			
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Transit FT 350 EL 2.4 TDE [2000-2006], engine: D2F...

Safety	AB C1.0, Airbag			
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Transit FT 350 EL 2.4 TDE [2000-2006], engine: DOFA

Safety	AB C1.0, Airbag			
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Transit FT 350 EL 2.4 TDE [2004-2006], engine: FXFA

Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.0 TDCi [2002-2006], engine: FIFA

Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.0 TDE [2003-2006], engine: ABFA

Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.4 TD [2000-2003], engine: F4FA

Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.4 TDCi [2004-2006], engine: H9FA

Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.4 TDE [2000-2006], engine: D2F...

Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.4 TDE [2000-2006], engine: D4FA

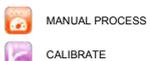
Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.4 TDE [2000-2006], engine: DOFA

Safety	AB C1.0, Airbag			
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Transit FT 350 L 2.4 TDE [2004-2006], engine: FXFA

Safety	AB C1.0, Airbag			
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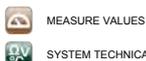
MANUAL PROCESS

CALIBRATE



DIAGNOSIS

RESET



MEASURE VALUES

SYSTEM TECHNICAL DATA



ACTUATE COMPONENTS

ELECTRICAL DRAWING



ECU DATA

VEHICLE MAINTENANCE



PARAMETERIZE

VEHICLE TECHNICAL DATA



Transit FT 350 L 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag   

Transit FT 350 L 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag   

Transit FT 350 L 2.4 TDI [2004-2006]

Safety AB C1.0, Airbag   

Transit FT 350 M 2.0 TDCi [2002-2006], engine: FIFA

Safety AB C1.0, Airbag   

Transit FT 350 M 2.0 TDE [2003-2006], engine: ABFA

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TD [2000-2003], engine: F4FA

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDCi [2004-2006], engine: H9FA

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDE [2000-2006], engine: D2F...

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDE [2000-2006], engine: D4FA

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDE [2000-2006], engine: DOFA

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDE [2004-2006], engine: FXFA

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDI [2001-2006]

Safety AB C1.0, Airbag   

Transit FT 350 M 2.4 TDI [2004-2006]

Safety AB C1.0, Airbag   

Transit FT 430 2.4 TDCi [2006-...], engine: H...

Brakes ABS 8.0, Antilock braking system    

Brakes ABS/ABD 8.0, Antilock braking system     

Brakes ESP 8.0, Electronic stability control      

Safety AB C1.1, Airbag   

Transit FT 430 2.4 TDCi [2006-...], engine: JXFA

Brakes ABS 8.0, Antilock braking system    

Brakes ABS/ABD 8.0, Antilock braking system     

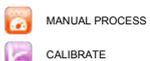
Brakes ESP 8.0, Electronic stability control      

Safety AB C1.1, Airbag   

Transit FT 430 2.4 TDCi [2006-...], engine: PHF...

Brakes ABS 8.0, Antilock braking system    

Brakes ABS/ABD 8.0, Antilock braking system     





Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 430 2.4 TDCi 4x4 [2007-2010], engine: H...

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 430 E 2.4 TDI [2004-2006]

Safety	AB C1.0, Airbag						
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Transit FT 430 EL 2.4 TD [2002-2003], engine: F4FA

Safety	AB C1.0, Airbag						
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Transit FT 430 EL 2.4 TDCi [2004-2006], engine: H9FA

Safety	AB C1.0, Airbag						
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Transit FT 430 EL 2.4 TDE [2002-2006], engine: D2F...

Safety	AB C1.0, Airbag						
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Transit FT 430 EL 2.4 TDE [2002-2006], engine: DOFA

Safety	AB C1.0, Airbag						
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Transit FT 430 EL 2.4 TDE [2004-2006], engine: FXFA

Safety	AB C1.0, Airbag						
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Transit FT 430 M 2.4 TD [2002-2003], engine: F4FA

Safety	AB C1.0, Airbag						
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Transit FT 430 M 2.4 TDCi [2004-2006], engine: H9FA

Safety	AB C1.0, Airbag						
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Transit FT 430 M 2.4 TDE [2002-2006], engine: DOFA

Safety	AB C1.0, Airbag						
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Transit FT 430 M 2.4 TDE [2004-2006], engine: FXFA

Safety	AB C1.0, Airbag						
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Transit FT 460 2.4 TDCi [2006-...], engine: H...

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 460 2.4 TDCi 4x4 [2007-2010], engine: H...

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Safety	AB C1.1, Airbag						

Transit FT 460 3.2 TDCi [2007-...], engine: SAF...

Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ABD 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATE COMPONENTS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL DRAWING	VEHICLE MAINTENANCE	VEHICLE TECHNICAL DATA



Safety	AB C1.1, Airbag					
Transit Nugget 2.0 TDCi [2002-2006], engine: FIFA						
Safety	AB C1.0, Airbag					
Transit Nugget 2.0 TDE [2000-2006], engine: ABFA						
Safety	AB C1.0, Airbag					
Transit Nugget 2.2 TDCi [2006-...], engine: QVFA						
Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					
Transit Nugget 2.2 TDCi [2006-2007], engine: QWF...						
Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					
Transit Nugget 2.2 TDCi [2007-...], engine: PGFA						
Safety	AB C1.1, Airbag					
Transit Nugget 2.2 TDCi [2008-...]						
Safety	AB C1.1, Airbag					
Transit Tourneo 2.0 TDCi [2002-2006], engine: F1FA						
Safety	AB C1.0, Airbag					
Transit Tourneo 2.0 TDE [2000-2006], engine: ABFA						
Safety	AB C1.0, Airbag					
Transit Tourneo 2.2 TDCi [2006-...], engine: QVFA						
Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					
Transit Tourneo 2.2 TDCi [2006-2007], engine: QWF...						
Brakes	ABS 8.0, Antilock braking system					
Brakes	ABS/ABD 8.0, Antilock braking system					
Brakes	ESP 8.0, Electronic stability control					
Safety	AB C1.1, Airbag					
Transit Tourneo 2.2 TDCi [2007-...], engine: PGFA						
Safety	AB C1.1, Airbag					
Transit Tourneo 2.2 TDCi [2008-...]						
Safety	AB C1.1, Airbag					



Grace 2.5 Intercooler [1995-...], engine: D4BF

Engine VE/EDC Covec F, Axial piston diesel injection pump

H-1 2.5 TCI [1999-2006], engine: D4BH

Engine VE/EDC Covec F, Axial piston diesel injection pump

Starex 2.5 CRDi [2002-...]

Brakes ABS 7, Antilock braking system

Starex 2.5 CRDi [2002-...], engine: D4CB

Brakes ABS 7, Antilock braking system

Starex 2.5 TCI [2002-...], engine: D4BH

Brakes ABS 7, Antilock braking system

Starex 2.5 TCI [2002-2006], engine: D4BH

Brakes ABS 7, Antilock braking system

Starex 2.5 TCI Diesel [2000-2004], engine: D4BH

Brakes ABS 7, Antilock braking system

Starex 2.5 Turbo Diesel [2000-2004], engine: D4BH

Brakes ABS 7, Antilock braking system

Engine VE/EDC Covec F, Axial piston diesel injection pump

Starex 2.6 Diesel [1997-2000], engine: D4BB

Brakes ABS 7, Antilock braking system

Engine VE/EDC Covec F, Axial piston diesel injection pump



Bongo Truck 2.2 Diesel [1999-2003], engine: R2

Gearbox EC-AT 1.0, Automatic gearbox



Bongo Van 2.2 Diesel [1999-2003], engine: R2

Gearbox EC-AT 1.0, Automatic gearbox





613 D (Vario) [2006-...], engine: OM 900.917 (904 LA)

Engine MR, Pump-Pipe-Injector with electronic diesel control

616 D (Vario) [2006-...], engine: OM 900.918 (904 LA)

Engine MR, Pump-Pipe-Injector with electronic diesel control

618 D (Vario) [2006-...], engine: OM 904.964 (904 LA)

Engine MR, Pump-Pipe-Injector with electronic diesel control

813 D/DA (Vario) [2006-...], engine: OM 900.917 (904 LA)

Engine MR, Pump-Pipe-Injector with electronic diesel control

816 D/DA (Vario) [2006-...], engine: OM 900.918 (904 LA)

Engine MR, Pump-Pipe-Injector with electronic diesel control

818 D/DA (Vario) [2006-...], engine: OM 904.964 (904 LA)

Engine MR, Pump-Pipe-Injector with electronic diesel control



Cabstar E 3.0 Diesel Turbo (81 kW) [1998-2006], engine: BD30Ti



Engine EDC 15M, Electronic Diesel Control



Cabstar E 3.0 Diesel Turbo (88 kW) [1998-2006], engine: BD30Ti



Engine EDC 15 M+ 1.0, Electronic Diesel Control





Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Instrument cluster Info Display 4.1, Instrument cluster - display



Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Instrument cluster Info Display 4.1, Instrument cluster - display



Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Engine CR/EDC 16 CP33, Electronic diesel control, common rail



Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Engine CR/EDC 16 CP33, Electronic diesel control, common rail



Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Telematic Audio 4.1, Audio system



Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Telematic Audio 4.1, Audio system



Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Telematic Navigation System 4.1, Browser



Vivaro 2.0 CDTI [2006-...], engine: M9R-780

Telematic Navigation System 4.1, Browser



Vivaro 2.5 CDTI [2006-...], engine: G9U-630,G9MB6

Instrument cluster Info Display 4.1, Instrument cluster - display



Telematic Audio 4.1, Audio system



Telematic Navigation System 4.1, Browser



Vivaro 2.5 CDTI [2006-2008], engine: G9U-630

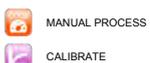
Instrument cluster Info Display 4.1, Instrument cluster - display



Telematic Audio 4.1, Audio system



Telematic Navigation System 4.1, Browser





Boxer 2.2 HDi [2006-...], engine: 4HU

Brakes ABS 8 Var 3, Antilock braking system



Safety AB 5.0, Airbag



Boxer 2.2 HDi [2006-...], engine: 4HV

Brakes ABS 8 Var 3, Antilock braking system



Safety AB 5.0, Airbag



Boxer 2.8 HDi [2005-...], engine: 8140 43s

Safety AB 5.0, Airbag



Boxer 3.0 HDi [2006-...], engine: F1C

Brakes ABS 8 Var 3, Antilock braking system



Safety AB 5.0, Airbag





Mascott DXi Phase II, engine: ZD30



Maintenance	UCH Max, Maintenance							
Engine	EDC ECCS, Engine electronic control system							

Mascott DXi Phase III, engine: ZD3A



Central computer	ZE 2.3, Body computer							
Maintenance	UCH Max, Maintenance							
Engine	EDC, Electronic Diesel Control							

Master 1.9 dTi 80 [2000-2003], engine: F9Q 770

Safety	AC4 PH1, Airbag							
Safety	AC4 PH2, Airbag							
Safety	AC6 PH1, Airbag							
Safety	AC6 PH2, Airbag							

Master 2.2 dCi 90 [2000-2003], engine: G9T 720

Safety	AC4 PH1, Airbag							
Safety	AC4 PH2, Airbag							
Safety	AC6 PH1, Airbag							
Safety	AC6 PH2, Airbag							

Master 2.5 dCi 100 [2003-2006], engine: G9U 754

Engine	EDC 16, Electronic Diesel Control							
Safety	AC4 PH1, Airbag							
Safety	AC4 PH2, Airbag							
Safety	AC6 PH1, Airbag							
Safety	AC6 PH2, Airbag							

Master 2.5 dCi 110 [2003-2006], engine: G9U 754

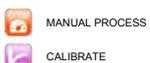
Engine	EDC 16, Electronic Diesel Control							
Safety	AC4 PH1, Airbag							
Safety	AC4 PH2, Airbag							
Safety	AC6 PH1, Airbag							
Safety	AC6 PH2, Airbag							

Master 2.5 dCi 120 [2002-2003], engine: G9U 724

Engine	EDC 16, Electronic Diesel Control							
Safety	AC4 PH1, Airbag							
Safety	AC4 PH2, Airbag							
Safety	AC6 PH1, Airbag							
Safety	AC6 PH2, Airbag							

Master 2.5 dCi 120 [2003-2006], engine: G9U 750

Engine	EDC 16, Electronic Diesel Control							
Safety	AC4 PH1, Airbag							
Safety	AC4 PH2, Airbag							
Safety	AC6 PH1, Airbag							
Safety	AC6 PH2, Airbag							



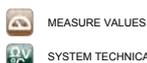
MANUAL PROCESS

CALIBRATE



DIAGNOSIS

RESET



MEASURE VALUES

SYSTEM TECHNICAL DATA



ACTUATE COMPONENTS

ELECTRICAL DRAWING



ECU DATA

VEHICLE MAINTENANCE



PARAMETERIZE

VEHICLE TECHNICAL DATA



Master 2.5 dCi 120 [2003-2006], engine: G9U 754

Engine	EDC 16, Electronic Diesel Control					
Safety	AC4 PH1, Airbag					
Safety	AC4 PH2, Airbag					
Safety	AC6 PH1, Airbag					
Safety	AC6 PH2, Airbag					

Master 2.5 dCi 120 [2006-...], engine: G9U 650 (M1)

Safety	ACU 3.8, Airbag				
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Master 2.5 dCi 16V [2004-...], engine: G9U-724

Engine	EDC 16, Electronic Diesel Control					
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Master 2.5 dCi 90 [2000-2003], engine: G9U 720

Engine	EDC 16, Electronic Diesel Control					
Safety	AC4 PH1, Airbag					
Safety	AC4 PH2, Airbag					
Safety	AC6 PH1, Airbag					
Safety	AC6 PH2, Airbag					

Master 2.5 Diesel [1997-2003], engine: S8U 770

Safety	AC4 PH1, Airbag				
Safety	AC4 PH2, Airbag				
Safety	AC6 PH1, Airbag				
Safety	AC6 PH2, Airbag				

Master 2.5 Diesel [1997-2003], engine: S8U 772

Safety	AC4 PH1, Airbag				
Safety	AC4 PH2, Airbag				
Safety	AC6 PH1, Airbag				
Safety	AC6 PH2, Airbag				

Master 3.0 dCi 140 [2003-2006], engine: ZD3 200

Engine	EDC 16, Electronic Diesel Control					
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Master 3.0 dCi 140 [2003-2006], engine: ZD3 202

Engine	EDC 16, Electronic Diesel Control					
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Maxity

Brakes	HABS, Anti-lock hydraulic braking system				
Engine	EDC, Engine electronic control system				

Trafic 1.9 DCI [2001-2006], engine: F9Q 760

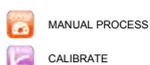
Engine	EDC 15C13, Electronic Diesel Control					
Safety	AB 3, Airbag					

Trafic 1.9 DCI [2001-2006], engine: F9Q 762

Engine	EDC 15C13, Electronic Diesel Control					
Safety	AB 3, Airbag					

Trafic 1.9 DCI [2002-2006], engine: F9Q 762

Engine	EDC 15C13, Electronic Diesel Control					
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Safety	AB 3, Airbag				
Trafic 2.0 DCI (66 kW) [2006-...], engine: M9R 780					
Safety	AB 3, Airbag				
Trafic 2.0 DCI (85 kW) [2006-...], engine: M9R 780					
Safety	AB 3, Airbag				
Trafic 2.0 DCI [2006-...], engine: M9R 782					
Safety	AB 3, Airbag				
Trafic 2.5 DCI [2002-2006], engine: G9U 730					
Engine	EDC 15C13, Electronic Diesel Control				
Engine	EDC 16, Electronic Diesel Control				
Safety	AB 3, Airbag				
Trafic 2.5 DCI [2006-...], engine: G9U 630					
Safety	AB 3, Airbag				

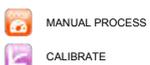


Vivaro 2.5 CDTI [2006-...], engine: G9U-630

Instrument cluster	Info Display 4.1, Instrument cluster - display			
Telematic	Audio 4.1, Audio system			
Telematic	Navigation System 4.1, Browser			

Vivaro 2.5 CDTI [2006-2008], engine: G9U-630

Instrument cluster	Info Display 4.1, Instrument cluster - display			
Telematic	Audio 4.1, Audio system			
Telematic	Navigation System 4.1, Browser			



MANUAL PROCESS



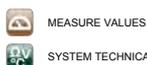
CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATE COMPONENTS



ELECTRICAL DRAWING



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



VEHICLE TECHNICAL DATA



California T5 2.0 TDI [2009-...], engine: CAAA

Instrument cluster INS 4.0, Instrument cluster



California T5 2.0 TDI [2009-...], engine: CAAB

Instrument cluster INS 4.0, Instrument cluster



California T5 2.0 TDI [2009-...], engine: CAAC

Instrument cluster INS 4.0, Instrument cluster



California T5 2.0 TDI [2009-...], engine: CFCA

Instrument cluster INS 4.0, Instrument cluster



Caravelle T5 2.0 TDI [2009-...], engine: CAAA

Instrument cluster INS 4.0, Instrument cluster



Caravelle T5 2.0 TDI [2009-...], engine: CAAB

Instrument cluster INS 4.0, Instrument cluster



Caravelle T5 2.0 TDI [2009-...], engine: CAAC

Instrument cluster INS 4.0, Instrument cluster



Caravelle T5 2.0 TDI [2009-...], engine: CFCA

Instrument cluster INS 4.0, Instrument cluster



Caravelle T5 2.0 TDI 4 Motion [2009-...], engine: CAAC

Instrument cluster INS 4.0, Instrument cluster



Crafter 30 2.5 TDI [2006-...], engine: BJJ



Antitheft EZS 3.2, Ignition and start electronic switch



Central computer BC 3.2, Body computer



Instrument cluster INS 3.2, Instrument cluster



Electronic module LS 3.2, Steering column switch



Electronic module OBF 3.2, Switches modular system



Electronic module TSG 3.2, Driver door module



Crafter 30 2.5 TDI [2006-...], engine: BJK



Antitheft EZS 3.2, Ignition and start electronic switch



Central computer BC 3.2, Body computer



Instrument cluster INS 3.2, Instrument cluster



Electronic module LS 3.2, Steering column switch



Electronic module OBF 3.2, Switches modular system



Electronic module TSG 3.2, Driver door module



Crafter 30 2.5 TDI [2006-...], engine: BJJ



Antitheft EZS 3.2, Ignition and start electronic switch



Central computer BC 3.2, Body computer



Instrument cluster INS 3.2, Instrument cluster



Electronic module LS 3.2, Steering column switch



Electronic module OBF 3.2, Switches modular system



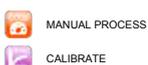
Electronic module TSG 3.2, Driver door module



Crafter 30 2.5 TDI [2006-...], engine: BJM



Antitheft EZS 3.2, Ignition and start electronic switch





Central computer	BC 3.2, Body computer										
Instrument cluster	INS 3.2, Instrument cluster										
Electronic module	LS 3.2, Steering column switch										
Electronic module	OBF 3.2, Switches modular system										
Electronic module	TSG 3.2, Driver door module										

Crafter 35 2.5 TDI [2006-...], engine: BJJ



Antitheft	EZS 3.2, Ignition and start electronic switch										
Central computer	BC 3.2, Body computer										
Instrument cluster	INS 3.2, Instrument cluster										
Electronic module	LS 3.2, Steering column switch										
Electronic module	OBF 3.2, Switches modular system										
Electronic module	TSG 3.2, Driver door module										

Crafter 35 2.5 TDI [2006-...], engine: BJK



Antitheft	EZS 3.2, Ignition and start electronic switch										
Central computer	BC 3.2, Body computer										
Instrument cluster	INS 3.2, Instrument cluster										
Electronic module	LS 3.2, Steering column switch										
Electronic module	OBF 3.2, Switches modular system										
Electronic module	TSG 3.2, Driver door module										

Crafter 35 2.5 TDI [2006-...], engine: BJL



Antitheft	EZS 3.2, Ignition and start electronic switch										
Central computer	BC 3.2, Body computer										
Instrument cluster	INS 3.2, Instrument cluster										
Electronic module	LS 3.2, Steering column switch										
Electronic module	OBF 3.2, Switches modular system										
Electronic module	TSG 3.2, Driver door module										

Crafter 35 2.5 TDI [2006-...], engine: BJM



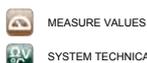
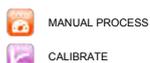
Antitheft	EZS 3.2, Ignition and start electronic switch										
Central computer	BC 3.2, Body computer										
Instrument cluster	INS 3.2, Instrument cluster										
Electronic module	LS 3.2, Steering column switch										
Electronic module	OBF 3.2, Switches modular system										
Electronic module	TSG 3.2, Driver door module										

Crafter 50 2.5 TDI [2006-...], engine: BJK



Antitheft	EZS 3.2, Ignition and start electronic switch										
Central computer	BC 3.2, Body computer										
Instrument cluster	INS 3.2, Instrument cluster										
Electronic module	LS 3.2, Steering column switch										
Electronic module	OBF 3.2, Switches modular system										
Electronic module	TSG 3.2, Driver door module										

Crafter 50 2.5 TDI [2006-...], engine: BJL





Antitheft	EZS 3.2, Ignition and start electronic switch					
Central computer	BC 3.2, Body computer					
Instrument cluster	INS 3.2, Instrument cluster					
Electronic module	LS 3.2, Steering column switch					
Electronic module	OBF 3.2, Switches modular system					
Electronic module	TSG 3.2, Driver door module					

Crafter 50 2.5 TDI [2006-...], engine: BJM

Antitheft	EZS 3.2, Ignition and start electronic switch					
Central computer	BC 3.2, Body computer					
Instrument cluster	INS 3.2, Instrument cluster					
Electronic module	LS 3.2, Steering column switch					
Electronic module	OBF 3.2, Switches modular system					
Electronic module	TSG 3.2, Driver door module					

Crafter 50 2.5 TDI [2009-...], engine: CECB

Antitheft	EZS 3.2, Ignition and start electronic switch					
Central computer	BC 3.2, Body computer					
Brakes	ESP 8.0 VAR 1, Electronic stability control					
Instrument cluster	INS 3.2, Instrument cluster					
Electronic module	LS 3.2, Steering column switch					
Electronic module	OBF 3.2, Switches modular system					
Electronic module	TSG 3.2, Driver door module					
Safety	AB 9.06, Airbag					

Multivan T5 2.0 TDI [2009-...], engine: CAAA

Instrument cluster	INS 4.0, Instrument cluster					
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Multivan T5 2.0 TDI [2009-...], engine: CAAB

Instrument cluster	INS 4.0, Instrument cluster					
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Multivan T5 2.0 TDI [2009-...], engine: CAAC

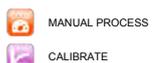
Instrument cluster	INS 4.0, Instrument cluster					
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Multivan T5 2.0 TDI 4 Motion [2009-...], engine: CAAC

Instrument cluster	INS 4.0, Instrument cluster					
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Transporter T5 2.0 TDI [2009-...], engine: CAAA

Instrument cluster	INS 4.0, Instrument cluster					
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RG-31 Mk5E

Gearbox

Allison J1939 3000/4000 (4th gen), Gearbox management system





12V140

Engine	12V140 CM850, Engine control system					
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4D95

Engine	4D95 CM2150, Engine control system					
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6D125 / 6D140 / 6D170

Engine	6D125 / 6D140 / 6D170 CM850, Engine control system					
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GTA

Engine	GTA3.9 - 5.9 - 8.3 GC CM558, Engine control system					
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ISB

Engine	ISB CM2150D SAE J1708, Engine control system					
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Engine	ISB CM2150D SAE J1939, Engine control system					
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Engine	ISB CM850, Engine control system					
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Engine	ISB4.5 /6.7 - ISD 4.5/6.7 CM2150 SN, Engine control system					
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Engine	ISBe Euro4/5 CM2150 SAE J1708, Engine control system					
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Engine	ISBe4 (4 & 6 cylinder) CM850 SAE J1708, Engine control system					
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Engine	ISBe4 SAE J1939, Engine control system					
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Engine	ISC - ISL - ISB CM2250, Engine control system					
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ISC

Engine	ISC - ISL - ISB CM2250, Engine control system					
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Engine	ISC - ISL CM2150, Engine control system					
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Engine	ISC CM2150, Engine control system					
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Engine	ISC/ISL CM554, Engine control system					
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ISD

Engine	ISB4.5 /6.7 - ISD 4.5/6.7 CM2150 SN, Engine control system					
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Engine	ISDe - ISLe CM2150, Engine control system					
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Engine	ISDe CM2150C, Engine control system					
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ISF

Engine	ISF 2.8 - ISF 3.8 CM2220, Engine control system					
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Engine	ISF 2.8 CM2220 S, Engine control system					
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Engine	ISF 3.8 CM2220 S, Engine control system					
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Engine	ISFe3 CM2220, Engine control system					
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ISL

Engine	ISC - ISL - ISB CM2250, Engine control system					
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Engine	ISDe -ISLe CM2150, Engine control system					
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Engine	ISL CM2150, Engine control system					
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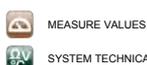
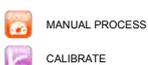
Engine	ISL CM2150D, Engine control system					
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Engine	ISL G CM2180A, Engine control system					
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Engine	ISL8.9 CM850, Engine control system					
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Engine	ISLe CM2150C, Engine control system					
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Engine	ISLe4.5 / 5 CM2150, Engine control system					
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ISM

Engine	ISM - ISM11 CM876 SN, Engine control system				
Engine	ISM CM870, Engine control system				
Engine	ISMe4 CM876, Engine control system				

ISX

Engine	ISX /ISZ13 CM2150 SN, Engine control system				
Engine	ISX CM2250, Engine control system				
Engine	Signature ISX CM870 SAE J1939, Engine control system				

ISZ

Engine	ISX /ISZ13 CM2150 SN, Engine control system				
Engine	ISZ CM2150D, Engine control system				

KTA

Engine	KTA19GC CM558, Engine control system				
Engine	KTA38GC CM558, Engine control system				

QSB

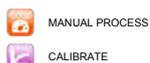
Engine	QSB CM850, Engine control system				
Engine	QSB3.3 CM2150D, Engine control system				
Engine	QSB5/7 CM850 Power Gen, Engine control system				
Engine	QSB6.7 CM2250, Engine control system				

QSK

Engine	QSK19 CM2150 Power Gen, Engine control system				
Engine	QSK23/60/78 CM850 Power Gen, Engine control system				
Engine	QSK38 CM850 MCRS, Engine control system				
Engine	QSK38 CM850 Power Gen, Engine control system				
Engine	QSK38/50/60 CM2150 MCRS, Engine control system				
Engine	QSK38/50/60 CM2150 Power Gen, Engine control system				
Engine	QSK50/60 CM850 Power Gen, Engine control system				

QSL

Engine	QSL9 CM2250, Engine control system				
Engine	QSL9 CM850, Engine control system				





DETROIT DIESEL

Engine	EDC DDEC II, Detroit Diesel Electronic Control
Engine	EDC Detroit Diesel MBE 4000, Engine control system





MACK

Engine	VMAC II, Engine control system
Engine	VMAC III, Engine control system





MB

Generic

Engine

MR, Engine control system





NAVISTAR

Engine	MaxxForce 11/13 (2008 - 2009) SAE J1939, Engine management system						
Engine	MaxxForce 5 (2007 - 2009) SAE J1939, Engine management system						
Engine	MaxxForce 7 (2007 - 2009) SAE J1939, Engine management system						
Engine	MaxxForce DT/9/10 (2007 - 2009) SAE J1939, Engine control system						



MX

Engine	PMCI, Multi-Controlled Injection											
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PX - 6

Engine	PX - 6 Engine SAE J1708, Engine control system											
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Engine	PX - 6 Engine SAE J1939, Engine control system											
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PX - 8

Engine	PX - 8 Engine SAE J1708, Engine control system											
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