

jaltest

**Multibrand diagnostics
Global solution**



INFORMATION ON SYSTEMS

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 clearance 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 cutout 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...


WIRING DIAGRAM

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.

 Diagnosis function with available help.

 This function is not available for this system.

INFORMATION ON MODELS

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...

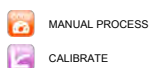


HD8 EURO 5

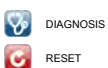


Antipollution

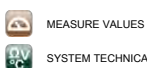
DENOXTRONIC , Exhaust gas treatment system



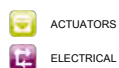
MANUAL PROCESS



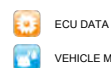
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



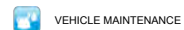
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



95XF



CF65 IV



Antipollution	EAS/EAS-2, Exhaust gas treatment system	
HVAC (Heating, Ventilating and Air Conditioning)	ACH-EA, Auxiliary heater	
Central computer	VIC-3, Vehicle central computer	
Engine	ECS-DC5, Engine management system - DAF Cummins	
Tachograph	DTCO, Digital Tachograph	

CF75



Steering	EMAS, Electro-hydraulic multi-axle steering	
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CF75 IV



Antipollution	EAS/EAS-2, Exhaust gas treatment system	
HVAC (Heating, Ventilating and Air Conditioning)	ACH-EA, Auxiliary heater	
Central computer	VIC-3, Vehicle central computer	
Steering	EMAS, Electro-hydraulic multi-axle steering	
Engine	DMCI, Multi-Controlled Injection	
Tachograph	DTCO, Digital Tachograph	

CF85



Steering	EMAS, Electro-hydraulic multi-axle steering	
Tachograph	DTCO, Digital Tachograph	

CF85 IV



Antipollution	EAS/EAS-2, Exhaust gas treatment system	
HVAC (Heating, Ventilating and Air Conditioning)	ACH-EA, Auxiliary heater	
Central computer	VIC-3, Vehicle central computer	
Steering	EMAS, Electro-hydraulic multi-axle steering	
Engine	DMCI, Multi-Controlled Injection	
Tachograph	DTCO, Digital Tachograph	

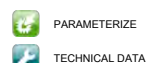
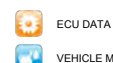
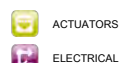
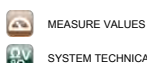
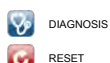
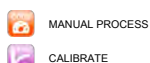
F55



LF45 IV



Central computer	VIC-2 Lite, Vehicle central computer	
Central computer	VIC-3 Lite, Vehicle central computer	
Steering	SWS-3, Steering wheel	





DAF



Maintenance	Service-3, Maintenance system				
Engine	ECS-DC5, Engine management system - DAF Cummins				
Tachograph	DTCO, Digital Tachograph				

LF55 IV

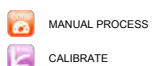
Central computer	VIC-2 Lite, Vehicle central computer				
Central computer	VIC-3 Lite, Vehicle central computer				
Steering	SWS-3, Steering wheel				
Maintenance	Service-3, Maintenance system				
Engine	ECS-DC5, Engine management system - DAF Cummins				
Tachograph	DTCO, Digital Tachograph				

XF105

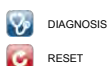
Antipollution	EAS/EAS-2, Exhaust gas treatment system				
HVAC (Heating, Ventilating and Air Conditioning)	ACH-EA, Auxiliary heater				
Central computer	VIC-3, Vehicle central computer				
Steering	EMAS, Electro-hydraulic multi-axle steering				
Electronic module	CDS-3, Central locking system				
Engine	DMCI, Multi-Controlled Injection				
Tachograph	DTCO, Digital Tachograph				

XF95

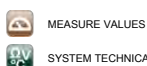
Steering	EMAS, Electro-hydraulic multi-axle steering				
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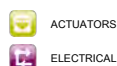
MANUAL PROCESS



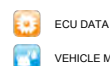
DIAGNOSIS



MEASURE VALUES



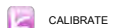
ACTUATORS



ECU DATA



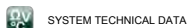
PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Beta 2

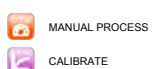
Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC SAE Euro 3, Engine management system			
Engine	EDC SAE Euro 4/5, Engine management system			

Elite 2

Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC SAE Euro 3, Engine management system			
Engine	EDC SAE Euro 4/5, Engine management system			

Phoenix 2

Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC SAE Euro 3, Engine management system			
Engine	EDC SAE Euro 4/5, Engine management system			



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



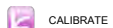
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



ECT

HVAC (Heating, Ventilating and Air Conditioning)

GKR, Climate control



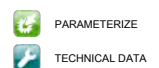
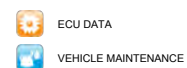
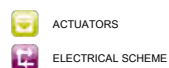
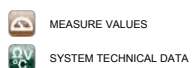
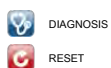
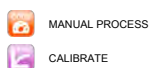
Central computer

ZBR II, Body computer



Engine

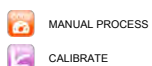
EDC 7, Electronic diesel control, injection rail





Generic

Gearbox	Opticruise, Gearbox with electronic control	
Brakes	HABS D Wabco, Anti-lock hydraulic braking system	
Brakes	Knorr-Bremse, ABS 2X, Antilock braking system	
Brakes	Wabco, EPB, Braking system	
Engine	DCI EURO 2, Diesel injection control, injection rail	
Engine	DCI EURO 3, Diesel injection control, injection rail	
Engine	DMCI, Multi-Controlled Injection	
Engine	EDC 7 A, Electronic diesel control, injection rail	
Engine	EDC 7 B, Electronic diesel control, injection rail	
Engine	EMS PDE, Engine managment system, pump-injectors	
Engine	E-TECH EURO 3, Pump-Pipe-Injector with electronic diesel control	
Engine	ITC, Injection timing electronic control	
Engine	MR / PLD (4L & 6L cylinder), Pump-Pipe-Injector with electronic diesel control	
Engine	MR / PLD (6V / 8V cylinder), Pump-Pipe-Injector with electronic diesel control	
Suspension	Wabco, ECAS ENR, Level regulation	



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



145, engine: J05D

Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system	
Engine	J05D-TA, Electronic diesel control, injection rail	
Engine	J05D-TF, Electronic diesel control, injection rail	

165, engine: J05D

Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system	
Engine	J05D-TA, Electronic diesel control, injection rail	
Engine	J05D-TF, Electronic diesel control, injection rail	

185, engine: J05D

Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system	
Engine	J05D-TA, Electronic diesel control, injection rail	
Engine	J05D-TF, Electronic diesel control, injection rail	

238, engine: J08E

Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system	
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258 ALP, engine: J08E

Engine	J08E-VC, Electronic diesel control, injection rail	
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258 LP, engine: J08E

Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system	
Engine	J08E-VC, Electronic diesel control, injection rail	

268, engine: J08E

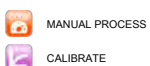
Brakes	HABS Meritor Wabco, Anti-lock hydraulic braking system	
Engine	J08E-VC, Electronic diesel control, injection rail	

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

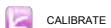
Engine	J08E-VB, Electronic diesel control, injection rail	
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338 CT [2008-...], engine: J08E

Engine	J08E-VB, Electronic diesel control, injection rail	
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MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



Eurocargo 2008



Antipollution	DENOXTRONIC, Exhaust gas treatment system		
Heater	Eberspacher, Auxiliary heater		
Gearbox	Allison (4th Gen), Gearbox management system		
Central computer	VCM Immobilizer, Vehicle Electronic Control Unit		
Instrument cluster	IC, Instrument cluster		
Electronic module	DDM, Driver door module		
Electronic module	PDM, Passenger door module		

Eurocargo ML CNG Engine

Brakes	ABS 2X, Antilock braking system	
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Eurocargo ML Tector 2002



Gearbox	WTEC III Allison, Transmission		
Brakes	ABS 2X, Antilock braking system		
Engine	EDC 7, Electronic diesel control, injection rail		

Eurocargo ML Tector 2003



Gearbox	WTEC III Allison, Transmission		
Brakes	ABS 2X, Antilock braking system		
Instrument cluster	IC, Instrument cluster		
Engine	EDC 7, Electronic diesel control, injection rail		

Eurocargo ML Tector 2006



Antipollution	DENOXTRONIC, Exhaust gas treatment system		
Gearbox	Allison (4th gen), Gearbox management system		
Central computer	VCM Immobilizer, Vehicle Electronic Control Unit		
Instrument cluster	IC, Instrument cluster		

Eurofire ML CNG Engine

Brakes	ABS 2X, Antilock braking system	
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Eurofire ML Tector 2002

Brakes	ABS 2X, Antilock braking system	
Engine	EDC 7, Electronic diesel control, injection rail	

Eurofire ML Tector 2003

Brakes	ABS 2X, Antilock braking system	
Engine	EDC 7, Electronic diesel control, injection rail	

Eurofire ML Tector 2006 Euro 4/5

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



Central computer VCM Immobilizer, Vehicle Electronic Control Unit



Stralis AD CNG Euro 4/5

Central computer VCM Immobilizer, Vehicle Electronic Control Unit



Engine Metafuel 3, CNG (Compressed Natural Gas) engine management system



Stralis AD-N CNG 2008

Central computer VCM Immobilizer, Vehicle Electronic Control Unit



Engine Metafuel 3, CNG (Compressed Natural Gas) engine management system



Stralis AS 2007

Antipollution DENOXTRONIC , Exhaust gas treatment system



Central computer VCM Immobilizer, Vehicle Electronic Control Unit



Stralis AS Euro 4/5

Antipollution DENOXTRONIC , Exhaust gas treatment system



Central computer VCM Immobilizer, Vehicle Electronic Control Unit



Stralis AT-AD Euro 4/5

Antipollution DENOXTRONIC , Exhaust gas treatment system



Central computer VCM Immobilizer, Vehicle Electronic Control Unit



Stralis AT-N/AD-N 2007

Antipollution DENOXTRONIC , Exhaust gas treatment system



Central computer VCM Immobilizer, Vehicle Electronic Control Unit

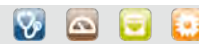


Strator

Antipollution DENOXTRONIC , Exhaust gas treatment system



Heater Eberspächer, Auxiliary heater



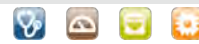
Gearbox Eurotronic 2, Gearbox with electronic control



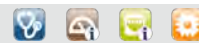
HVAC (Heating, Ventilating and Air Conditioning) CU, Climate control



Central computer BC, Body computer



Brakes ABS D, Antilock braking system



Brakes ABS E, Antilock braking system



Brakes EBS 2, Brake central unit



Brakes EBS, Electronic Braking System



Instrument cluster IC, Instrument cluster



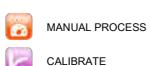
Electronic module CM, Cab module



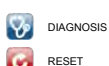
Electronic module DDM, Driver door module



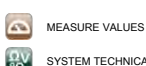
Electronic module FFM, Front module



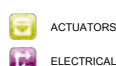
MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



IVECO

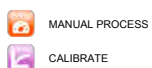


Electronic module	PDM, Passenger door module						
Electronic module	RFM, Rear module						
Engine	EDC7 UC31, Engine management system, pump-injectors						
Retarder	Intarder CAN, Retarder						
Suspension	ECAS CAN, Electronically controlled suspension system						
Suspension	ECAS, Electronically controlled suspension system						

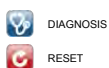
Trakker Euro 4/5/EEV



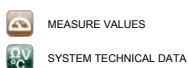
Antipollution	DENOXTRONIC , Exhaust gas treatment system						
Central computer	VCM Immobilizer, Vehicle Electronic Control Unit						



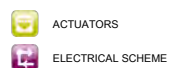
MANUAL PROCESS



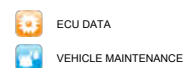
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



5308

Engine ISBe4 SAE J1708, Engine control system

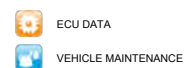
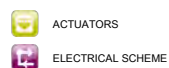
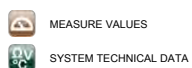
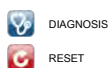
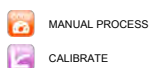


Engine ISBe4 SAE J1939, Engine control system



65228

Engine EDC Cummins SAE J1939, Engine control system





Granite [2001-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

Granite Axle Back [2007-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

Granite Bridge Formula [2007-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

Pinnacle Daycab Axle Back [2007-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

Pinnacle Daycab Axle Forward [2007-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

Pinnacle Sleeper Axle Back [2007-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

Pinnacle Sleeper Axle Forward [2007-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

TerraPro Cabover [2008-...]

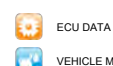
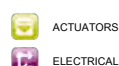
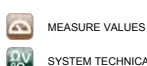
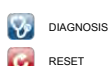
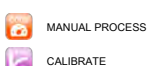
Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Info Instrumentation			

TerraPro Low Entry [2008-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			

Titan TD-713 [2008-...]

Central computer	VCM, Vehicle management computer			
Instrument cluster	INS, Instrument cluster			





F 2000



HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control	
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Engine	EDC M7, Diesel in-line injection pump	
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Retarder	EST-32, Retarder	
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L 2000



HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control	
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Engine	EDC MS6.4, Distributor diesel injection pump	
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LE



HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control	
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M 2000



HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control	
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ME



HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control	
--	----------------------	--

Suspension	ECAS 4x2 N, Electronically controlled suspension system	
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TGA



Antipollution	HDS/SCR AdBlue, Exhaust gas treatment system	
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Gearbox	AS Tronic, Gearbox with electronic control	
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Gearbox	ZF WSK TC2, Converter clutch	
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HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control	
--	----------------------	--

Central computer	FFR, Vehicle management computer	
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Central computer	KSM VDO, Parameterizable special module	
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Central computer	OBDU, On-board diagnosis unit	
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Central computer	ZBR, Body computer	
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Wheel pressure control	TPM, Tire pressure control	
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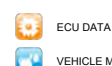
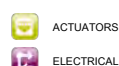
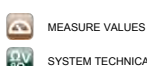
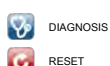
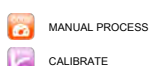
Steering	EHLA, Electro-hydraulic steering system	
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Steering	RAS EC1, Rear axle steering system	
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Brakes	EBS 5, Electronic Braking System	
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Brakes	EBS Knorr 2.2-2.3, Electronic Braking System	
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Compressed air processing	ECAM, Electronically controlled compressed air management	
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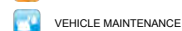
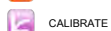
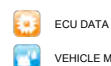
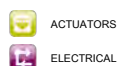
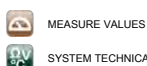
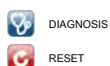
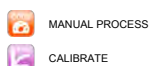
MAN



Instrument cluster	INS STON, Instrument cluster					
Instrument cluster	INS VDO, Instrument cluster					
Electronic module	DM BERIFORS, Door module					
Engine	CRT, Catalyzer continuous regeneration					
Engine	EDC 7 C3 / C32, Electronic diesel control, injection rail					
Engine	EDC MS 6.1, Diesel in-line injection pump					
Retarder	EST-42, Retarder					
Retarder	EST-48, Retarder					
Safety	ACC, Adaptative Cruise Control					
Safety	AIRBAG, Airbag					
Safety	LGS, Laneguard system					
Suspension	ECAS CAN2, Electronically controlled suspension system					
Suspension	ECAS NFG, Electronically controlled suspension system					
Telematic	TBM, Telematic module					

TGL

Antipollution	HDS/SCR AdBlue, Exhaust gas treatment system								
Gearbox	As Tronic Lite, Automatic gearbox								
Gearbox	AS Tronic MID, Gearbox with electronic control								
Gearbox	ZF WSK TC2, Converter clutch								
HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control								
Central computer	FFR, Vehicle management computer								
Central computer	KSM VDO, Parameterizable special module								
Central computer	OBDU, On-board diagnosis unit								
Central computer	ZBR, Body computer								
Wheel pressure control	TPM, Tire pressure control								
Steering	EHLA, Electro-hydraulic steering system								
Steering	RAS EC1, Rear axle steering system								
Brakes	CBU, Brake central unit								
Brakes	EBS 5, Electronic Braking System								
Brakes	EBS Knorr 2.2-2.3, Electronic Braking System								
Compressed air processing	ECAM, Electronically controlled compressed air management								
Instrument cluster	INS STON, Instrument cluster								
Instrument cluster	INS VDO, Instrument cluster								
Electronic module	DM, Door module								
Engine	CRT, Catalyzer continuous regeneration								
Engine	EDC 7 C3 / C32, Electronic diesel control, injection rail								
Engine	EDC MS 6.1, Diesel in-line injection pump								
Retarder	EST-42, Retarder								





Retarder	EST-48, Retarder	
Safety	ACC, Adaptative Cruise Control	
Safety	AIRBAG, Airbag	
Safety	LGS, Laneguard system	
Suspension	ECAS CAN2, Electronically controlled suspension system	
Suspension	ECAS NFG, Electronically controlled suspension system	
Telematic	TBM, Telematic module	

TGM



HVAC (Heating, Ventilating and Air Conditioning)	GKR, Climate control	
Central computer	KSM VDO, Parameterizable special module	
Central computer	ZBR, Body computer	
Instrument cluster	INS STON, Instrument cluster	
Engine	EDC 7 C3 / C32, Electronic diesel control, injection rail	
Safety	ACC, Adaptative Cruise Control	
Safety	LGS, Laneguard system	

TGS [2007-...]

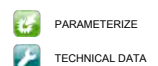
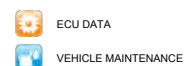
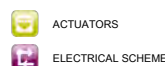
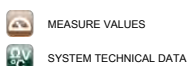
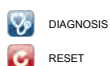
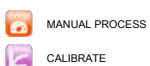


Antipollution	HDS/SCR AdBlue, Exhaust gas treatment system	
Gearbox	AS Tronic, Gearbox with electronic control	
HVAC (Heating, Ventilating and Air Conditioning)	BHTC, Climate control	
Central computer	FFR, Vehicle management computer	
Central computer	PTM, Powertrain module	
Central computer	ZBR, Body computer	
Brakes	EBS 5 CAN, Electronic Braking System	
Brakes	EBS 5, Electronic Braking System	
Instrument cluster	INS STON, Instrument cluster	
Instrument cluster	INS VDO, Instrument cluster	
Electronic module	DM TRW, Door module	
Engine	EDC 7 C3 / C32, Electronic diesel control, injection rail	
Retarder	EST-48, Retarder	
Suspension	ECAS CAN2 (CAN Bus), Electronically controlled suspension system	
Suspension	ECAS CAN2 (K line), Electronically controlled suspension system	

TGX [2007-...]



Antipollution	HDS/SCR AdBlue, Exhaust gas treatment system	
Heater	Airtronic D2/D4, Auxiliary heater	
Gearbox	AS Tronic, Gearbox with electronic control	

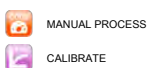




MAN



HVAC (Heating, Ventilating and Air Conditioning)	BHTC, Climate control								
Central computer	FFR, Vehicle management computer								
Central computer	PTM, Powertrain module								
Central computer	ZBR, Body computer								
Brakes	EBS 5 CAN, Electronic Braking System								
Brakes	EBS 5, Electronic Braking System								
Instrument cluster	INS STON, Instrument cluster								
Instrument cluster	INS VDO, Instrument cluster								
Electronic module	DM TRW, Door module								
Engine	EDC 7 C3 / C32, Electronic diesel control, injection rail								
Retarder	EST-48, Retarder								
Suspension	ECAS CAN2 (CAN Bus), Electronically controlled suspension system								
Suspension	ECAS CAN2 (K line), Electronically controlled suspension system								



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



1938S/1944 Eletrônico

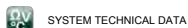
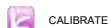
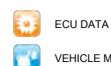
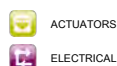
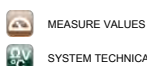
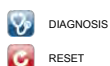
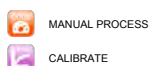
Central computer	FR, Electronic gear shift regulation	
Electronic module	ZV, Central locking system	
Engine	MR/PLD, Pump-Pipe-Injector with electronic diesel control	

Actros (WDB950.0 - 954.3)

Central computer	FR, Electronic gear shift regulation	
Brakes	BS, Braking system	
Electronic module	SIL, Driver seat regulation	
Electronic module	SIR, Passenger seat regulation	
Electronic module	ZV, Central locking system	
Engine	MR, Pump-Pipe-Injector with electronic diesel control	
Suspension	NR, Level regulation	

Actros 2,3 (WDB930.0 - 934.3)

Antitheft	EDW, Antitheft alarm system	
Gearbox	GS, Gear shift control	
Gearbox	HPS, Hydro-pneumatic module	
HVAC (Heating, Ventilating and Air Conditioning)	HZR, Heater regulation	
HVAC (Heating, Ventilating and Air Conditioning)	ZHE, Additional heater	
Central computer	FR, Electronic gear shift regulation	
Wheel pressure control	RDK, Tire pressure control	
Steering	EHZ, Electro-hydraulic auxiliary steering	
Brakes	BS, Braking system	
Instrument cluster	INS, Instrument cluster	
Maintenance	WS, Maintenance system	
Electronic module	ART, Tempomat, distance regulator	
Electronic module	BTS, Battery disconnecting switch	
Electronic module	FM, Control unit, front module	
Electronic module	GM, Basic module	
Electronic module	HM, Control unit, rear module	
Electronic module	KOM, Communication module	
Electronic module	MSF, Switches modular system	
Electronic module	TMB, Passenger door module	
Electronic module	TMF, Driver door module	
Electronic module	ZDS, Vehicle data central unit	
Engine	FLA, Inlet air pre-heater system	
Engine	MR, Pump-Pipe-Injector with electronic diesel control	





Retarder	RS, Retarder management	
Safety	SPA, Laneguard system	
Safety	SRS, Airbag	
Tachograph	TCO, Tachograph	

Atego 9BM958.0 - ISO

Central computer	FR, Electronic gear shift regulation		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		

Atego 9BM958.0 - OBD

Central computer	FR, Electronic gear shift regulation		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Tachograph	TCO, Tachograph		

Atego NMB375.1

Central computer	FR, Electronic gear shift regulation		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		

Atego WDB950.5 - 954.6

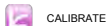
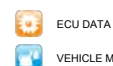
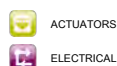
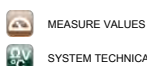
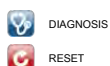
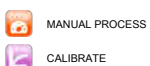
Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Braking system		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Suspension	NR, Level regulation		

Atego WDB970-976

Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Brake management system		
Electronic module	SIL, Driver seat regulation		
Electronic module	SIR, Passenger seat regulation		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Suspension	NR, Level regulation		

Atego WDB970-976 OBD

Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Braking system		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Suspension	NR, Level regulation		





Tachograph	TCO, Tachograph			
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Atego WDF375.1 OBD

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Electronic module	ZV, Central locking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

Axor -C 9BM958.4 - OBD

Central computer	FR, Electronic gear shift regulation		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Tachograph	TCO, Tachograph		

Axor -C WDB940 - 944

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Brakes	CBU, Brake central unit			
Electronic module	ZV, Central locking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			

Axor -C WDF940 - 944

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Brakes	CBU, Brake central unit			
Electronic module	ZV, Central locking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			
Tachograph	TCO, Tachograph			

Axor -CI WDF375.4

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Electronic module	ZV, Central locking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			

Axor NMB375.3

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



Axor -R 9BM958.2 - ISO

Central computer	FR, Electronic gear shift regulation		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		

Axor -R 9BM958.2 - OBD

Central computer	FR, Electronic gear shift regulation		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Tachograph	TCO, Tachograph		

Axor -R WDB950.5 - 954.6

Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Braking system		
Brakes	CBU, Brake central unit		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Suspension	NR, Level regulation		

Axor -R WDF375.3

Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Braking system		
Electronic module	ZV, Central locking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Suspension	NR, Level regulation		

Axor WDB940 - 944, WDF940 - 944

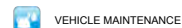
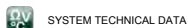
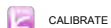
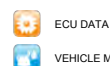
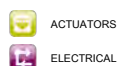
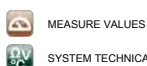
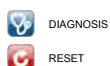
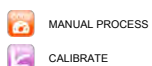
Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Braking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Suspension	NR, Level regulation		

Econic WDB957.6 - 957.7 (Circular)

Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Braking system		
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
Suspension	NR, Level regulation		

Econic WDB957.6 - 957.7 (OBD)

Central computer	FR, Electronic gear shift regulation		
Brakes	BS, Braking system		





Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			
Tachograph	TCO, Tachograph			

MK

Gearbox	EPS, Gear shift control			
Central computer	FMR, Gear shift regulation system			
Engine	EDC, Pump-Pipe-Injector with electronic diesel control			

U 20

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

U 300

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

U 3000

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Tachograph	TCO, Tachograph			

U 400

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

U 4000

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Tachograph	TCO, Tachograph			

U 500

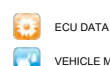
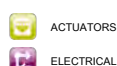
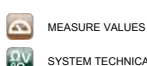
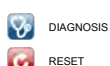
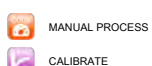
Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

U 5000

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Tachograph	TCO, Tachograph			

U20 (OBD)

Central computer	FR, Electronic gear shift regulation			
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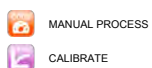
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Tachograph	TCO, Tachograph			

VARIO [2006-...]

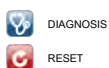
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
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Zetros

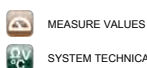
Central computer	FR, Electronic gear shift regulation				
Brakes	BS, Braking system				
Electronic module	ZV, Central locking system				
Engine	MR A, Pump-Pipe-Injector with electronic diesel control				
Engine	MR B, Pump-Pipe-Injector with electronic diesel control				
Suspension	NR, Level regulation				
Tachograph	TCO, Tachograph				



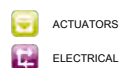
MANUAL PROCESS



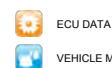
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



ATLEON

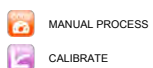


Brakes	HABS, Anti-lock hydraulic braking system				
Engine	EDC Euro4/5 Cummins CM850 SAE J1708, Engine control system				
Engine	EDC Euro4/5 Cummins SAE J1939, Engine control system				

CABSTAR



Brakes	HABS, Anti-lock hydraulic braking system				
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MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



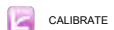
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



KERAX



Engine	DCI EURO 2, Diesel injection control, injection rail				
Engine	DCI EURO 3, Diesel injection control, injection rail				
Engine	ITC, Injection timing electronic control				
Retarder	ZF Intarder, Retarder				

KERAX DXi



Antitheft	ACU, Alarm				
Antitheft	ICU, Immobilizer Control Unit				
Gearbox	GECU, Gearbox lever				
Gearbox	TECU Allison SAE J1939, 1000/2000 Series, Gearbox management system				
Gearbox	TECU Allison SAE J1939, 3000/4000 Series, Gearbox management system				
Gearbox	TECU, Transmission Electronic Control Unit				
Central computer	VECU, Vehicle Electronic Control Unit				
Wheel pressure control	TPM, Tire Pressure Monitoring System				
Steering	ESA, Electronically-controlled steering axle				
Brakes	ABS, Antilock braking system				
Brakes	EBS Gen 2, Electronic Braking System				
Brakes	EBS Gen 3, Electronic Braking System				
Brakes	EBS5, Electronic Braking System				
Compressed air processing	APM, Compressed air production management				
Lighting	FCU, Light Control Unit				
Instrument cluster	IC04, Instrument cluster 04				
Chassis module	BBM, Bodywork Module				
Engine	EMS Euro 3, Engine management system				
Engine	EMS Euro 4/5, Engine management system				
Radio	Audio, Radio				
Retarder	SAE J1708 Retarder, Retarder				
Retarder	ZF Retarder, Retarder				
Suspension	ECS, Electronically controlled suspension system				
Tachograph	TCO, Tachograph				

MAGNUM

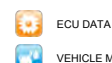
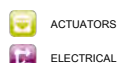
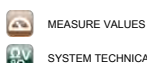
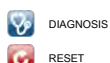
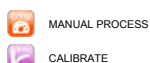


Engine	E-TECH EURO 3, Pump-Pipe-Injector with electronic diesel control				
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MAGNUM DXi



Gearbox	GECU, Gearbox lever				
Gearbox	TECU, Transmission Electronic Control Unit				
Brakes	EBS5, Electronic Braking System				





Compressed air processing	APM, Compressed air production management			
Engine	EMS Euro 3, Engine management system			
Engine	EMS Euro 4/5, Engine management system			
Radio	Audio, Radio			
Retarder	SAE J1708 Retarder, Retarder			
Retarder	ZF Retarder, Retarder			

MAXITY

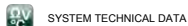
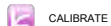
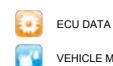
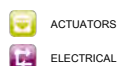
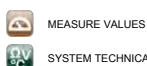
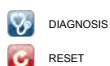
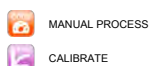
Central computer	BCM, "Compartment control" Central Unit (Command control module)						
Central computer	IPDM, "Compartment control" Central Unit (Power control module)						
Brakes	HABS, Anti-lock hydraulic braking system						
Instrument cluster	ME06, Instrument cluster - display						
Engine	EDC/ECCS YD25, Engine electronic control system						

MIDLUM

Engine	DCI EURO 2, Diesel injection control, injection rail				
Engine	DCI EURO 3, Diesel injection control, injection rail				
Engine	ITC, Injection timing electronic control				

MIDLUM DXi

Antitheft	ACU, Alarm				
Antitheft	ICU, Immobilizer Control Unit				
Gearbox	GECU, Gearbox lever				
Gearbox	TECU Allison SAE J1939, 1000/2000 Series, Gearbox management system				
Gearbox	TECU Allison SAE J1939, 3000/4000 Series, Gearbox management system				
Gearbox	TECU, Transmission Electronic Control Unit				
Central computer	VECU, Vehicle Electronic Control Unit				
Wheel pressure control	TPM, Tire Pressure Monitoring System				
Steering	ESA, Electronically-controlled steering axle				
Brakes	ABS, Antilock braking system				
Brakes	EBS Gen 2, Electronic Braking System				
Brakes	EBS Gen 3, Electronic Braking System				
Brakes	EBS5, Electronic Braking System				
Compressed air processing	APM, Compressed air production management				
Lighting	FCU, Light Control Unit				
Instrument cluster	IC04, Instrument cluster 04				
Chassis module	BBM, Bodywork Module				
Engine	EMS Euro 3, Engine management system				
Engine	EMS Euro 4/5, Engine management system				





Radio	Audio, Radio			
Retarder	SAE J1708 Retarder, Retarder			
Retarder	ZF Retarder, Retarder			
Suspension	ECS, Electronically controlled suspension system			
Tachograph	TCO, Tachograph			

PREMIUM



Engine	DCI EURO 2, Diesel injection control, injection rail			
Engine	DCI EURO 3, Diesel injection control, injection rail			
Engine	ITC, Injection timing electronic control			
Retarder	ZF Intarder, Retarder			

PREMIUM DXi

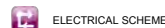
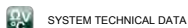
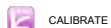
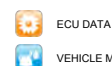
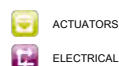
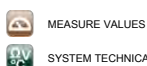
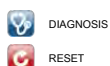
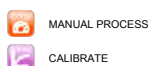


Antitheft	ACU, Alarm			
Antitheft	ICU, Immobilizer Control Unit			
Gearbox	GECU, Gearbox lever			
Gearbox	TECU Allison SAE J1939, 1000/2000 Series, Gearbox management system			
Gearbox	TECU Allison SAE J1939, 3000/4000 Series, Gearbox management system			
Gearbox	TECU, Transmission Electronic Control Unit			
Central computer	VECU, Vehicle Electronic Control Unit			
Wheel pressure control	TPM, Tire Pressure Monitoring System			
Steering	ESA, Electronically-controlled steering axle			
Brakes	ABS, Antilock braking system			
Brakes	EBS Gen 2, Electronic Braking System			
Brakes	EBS Gen 3, Electronic Braking System			
Brakes	EBS5, Electronic Braking System			
Compressed air processing	APM, Compressed air production management			
Lighting	FCU, Light Control Unit			
Instrument cluster	IC04, Instrument cluster 04			
Chassis module	BBM, Bodywork Module			
Engine	EMS Euro 3, Engine management system			
Engine	EMS Euro 4/5, Engine management system			
Radio	Audio, Radio			
Retarder	SAE J1708 Retarder, Retarder			
Retarder	ZF Retarder, Retarder			
Suspension	ECS, Electronically controlled suspension system			
Tachograph	TCO, Tachograph			

PREMIUM DXi Lander



Gearbox	GECU, Gearbox lever			
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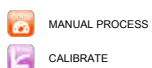




Gearbox	TECU, Transmission Electronic Control Unit			
Brakes	EBS5, Electronic Braking System			
Compressed air processing	APM, Compressed air production management			
Engine	EMS Euro 3, Engine management system			
Engine	EMS Euro 4/5, Engine management system			
Radio	Audio, Radio			
Retarder	SAE J1708 Retarder, Retarder			
Retarder	ZF Retarder, Retarder			

R

Engine	ITC, Injection timing electronic control	
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MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

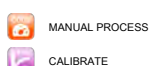


SAE J1587

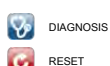
Antitheft	MID 163, Vehicle Security			
Antitheft	MID 214 ACM (Alarm Control Module), Alarm			
Gearbox	MID 130 TCM, Transmission			
HVAC (Heating, Ventilating and Air Conditioning)	MID 146 A/C, Climate control			
HVAC (Heating, Ventilating and Air Conditioning)	MID 200 HVAC, Climate Control System			
Central computer	MID 142 CC, Body computer			
Central computer	MID 144 VCM, Vehicle Electronic Control Unit			
Wheel pressure control	MID 166 TPMS, Tire Pressure Monitoring System			
Steering	MID 184, Electronically-controlled steering axle			
Steering	MID 250, Steering Column Unit			
Brakes	MID 136 ABS, Brake management system			
Compressed air processing	MID 185, Compressed air production management			
Lighting	MID 216 LCM, Light Control Unit			
Instrument cluster	MID 140 INS, Info Instrumentation			
Instrument cluster	MID 171, Driver Information Center			
Chassis module	MID 249 BCM, Bodywork Module			
Electronic module	MID 165, Engine gateway			
Electronic module	MID 203, Fleet management system			
Electronic module	MID 213, DYNAFLEET			
Engine	MID 128 ECM, Engine control system			
Multiplex	MID 164 Multiplex, Instrument cluster			
Radio	MID 206 Audio, Radio			
Retarder	MID 222 RET, Retarder			
Safety	MID 219 CAS, Collision avoidance system			
Safety	MID 232 AIRBAG, Airbag			
Shift Selector	MID 223 GCM, Gearbox lever			
Suspension	MID 150 ECS, Electronically controlled suspension system			
Tachograph	TCO, Tachograph			
Telematic	MID 181 Satellite Communication, Satellite communication			
Telematic	MID 231, Telephone			
ABS Trailer	MID 137 ABS SAE, Antilock braking system			

SAE J1708

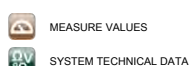
Antitheft	MID 163, Vehicle Security			
Antitheft	MID 214 ACM (Alarm Control Module), Alarm			



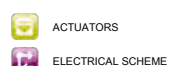
MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

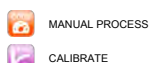


SAE STANDARD

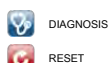
HVAC (Heating, Ventilating and Air Conditioning)	MID 200 HVAC, Climate Control System			
Wheel pressure control	MID 166 TPMS, Tire Pressure Monitoring System			
Steering	MID 184, Electronically-controlled steering axle			
Steering	MID 250, Steering Column Unit			
Expansion Module	MID 170, Electrical			
Expansion Module	MID 178, Vehicle Sensors to Data Converter			
Expansion Module	MID 187, Vehicle Control Head Unit, Vehicle Electronic Control Unit			
Expansion Module	MID 188, Vehicle Logic Control Unit, Vehicle Electronic Control Unit			
Expansion Module	MID 240, Passenger Counter Unit			
Compressed air processing	MID 185, Compressed air production management			
Instrument cluster	MID 171, Driver Information Center			
Instrument cluster	MID 234 Display, Instrument cluster - display			
Electronic module	MID 165, Engine gateway			
Electronic module	MID 203, Fleet management system			
Electronic module	MID 213, DYNAFLEET			
Multiplex	MID 164 Multiplex, Instrument cluster			
Radio	MID 206 Audio, Radio			
Data record	MID 179, Data Logging Unit (On-Board Data Logger)			
Safety	MID 219 CAS, Collision avoidance system			
Tachograph	TCO, Tachograph			
Telematic	MID 181 Satellite Communication, Satellite communication			
Telematic	MID 231, Telephone			
ABS Trailer	MID 137 ABS SAE, Antilock braking system			

SAE J1939

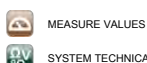
HVAC (Heating, Ventilating and Air Conditioning)	HVAC SAE J1939, Heating, Ventilation, Air Conditioning			
Wheel pressure control	TPMS SAE J1939, Tire Pressure Monitoring System			
Instrument cluster	VID (Vehicle Information Display) SAE J1939, Instrument cluster - display			
Chassis module	Chassis Module SAE J1939, Chassis Interface Module			
Electronic module	MC SAE J1939, Vehicle management computer			
Data record	DLU SAE J1939, Data Logging Unit (On-Board Data Logger)			
Safety	Headway Controller SAE J1939, Collision avoidance system			
Shift Selector	Shift Console Primary, Gearbox lever			
Telematic	Cellular SAE J1939, Telephone			
Telematic	Module NV SAE J1939, Browser			



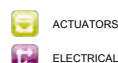
MANUAL PROCESS



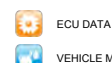
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



114



Gearbox	Opticruise, Gearbox with electronic control	
Engine	EDC S6 HPI, High pressure injection system	

124



Gearbox	Opticruise, Gearbox with electronic control	
Engine	EDC S6 HPI, High pressure injection system	

144



Gearbox	Opticruise, Gearbox with electronic control	
Engine	EDC S6 HPI, High pressure injection system	

164



Gearbox	Opticruise, Gearbox with electronic control	
Engine	EDC S6 HPI, High pressure injection system	

94

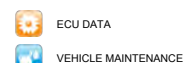
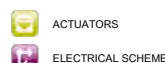
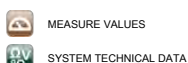
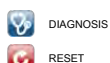
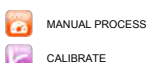


Gearbox	Opticruise, Gearbox with electronic control	
Engine	EDC S6 HPI, High pressure injection system	

G 230



Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS PDE, Engine management system, pump-injectors	
Engine	EMS XPI, High pressure injection system, injection rail	
Radio	AUS, Audio system	
Retarder	RET, Retarder	





Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

G 270



Engine	EMS PDE, Engine management system, pump-injectors		
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G 280



Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS XPI, High pressure injection system, injection rail	
Radio	AUS, Audio system	
Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

G 310

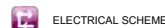
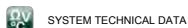
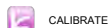
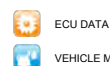
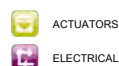
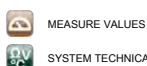
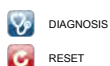
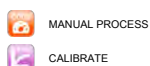


Engine	EMS PDE, Engine management system, pump-injectors		
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G 320



Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	





HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS XPI, High pressure injection system, injection rail	
Radio	AUS, Audio system	
Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

G 340

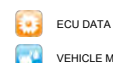
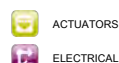
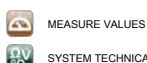
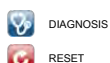
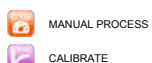


Engine	EMS PDE, Engine management system, pump-injectors		
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G 360



Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS XPI, High pressure injection system, injection rail	
Radio	AUS, Audio system	





Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

G 380

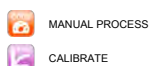


Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS HPI, High pressure injection system	
Engine	EMS PDE, Engine management system, pump-injectors	
Radio	AUS, Audio system	
Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

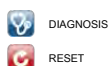
G 420



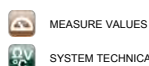
Antipollution	EEC, SCR AdBlue, Exhaust gas treatment system	
Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	



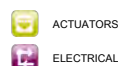
MANUAL PROCESS



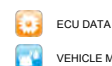
DIAGNOSIS



MEASURE VALUES



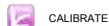
ACTUATORS



ECU DATA



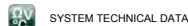
PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

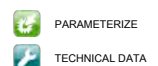
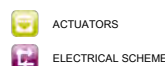
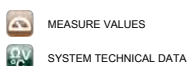
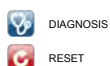
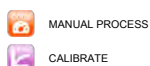


HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS HPI, High pressure injection system	
Radio	AUS, Audio system	
Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

G 470



Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS HPI, High pressure injection system	
Radio	AUS, Audio system	
Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	





P 230

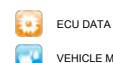
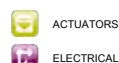
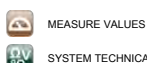
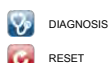
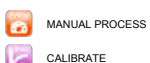


Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS EBS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS PDE, Engine management system, pump-injectors	
Engine	EMS XPI, High pressure injection system, injection rail	
Radio	AUS, Audio system	
Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

P 270



Antitheft	LAS, Locking and alarm system	
Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS EBS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	





Chassis module	BWS, Bodywork management system		
Electronic module	AWD, Four-wheel Drive		
Engine	EMS PDE, Engine management system, pump-injectors		
Radio	AUS, Audio system		
Retarder	RET, Retarder		
Safety	CSS, Collision safety system		
Suspension	SMS, Suspension management system		
Tachograph	TCO, Tachograph		
Telematic	RTI, Road transport information		

P 280



Brakes	BMS EBS, Brake management system					
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P 310



Brakes	BMS EBS, Brake management system					
Engine	EMS PDE, Engine management system, pump-injectors					

P 320



Brakes	BMS EBS, Brake management system					
Engine	EMS, Engine management system, pump-injectors					

P 340



Brakes	BMS EBS, Brake management system					
Engine	EMS PDE, Engine management system, pump-injectors					

P 360



Brakes	BMS EBS, Brake management system					
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P 380



Brakes	BMS EBS, Brake management system					
Engine	EMS PDE, Engine management system, pump-injectors					

P 400



Brakes	BMS EBS, Brake management system					
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P 420

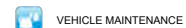
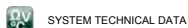
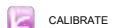
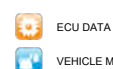
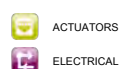
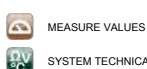
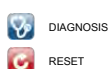
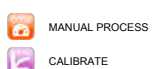


Brakes	BMS EBS, Brake management system					
Engine	EMS PDE, Engine management system, pump-injectors					

R 230



Engine	EMS PDE, Engine management system, pump-injectors					
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R 270



Engine	EMS PDE, Engine management system, pump-injectors		
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R 310



Engine	EMS PDE, Engine management system, pump-injectors		
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R 340



Engine	EMS PDE, Engine management system, pump-injectors		
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R 380



Engine	EMS PDE, Engine management system, pump-injectors		
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R 420



Engine	EMS PDE, Engine management system, pump-injectors		
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R 440



Antitheft	LAS, Locking and alarm system		
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Gearbox	GMS, Gearbox management system		
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HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air		
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HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system		
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HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System		
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Central computer	COO, Coordinator		
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Brakes	BMS, Brake management system		
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Compressed air processing	APS, Compressed air supply		
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Lighting	VIS, Visibility system		
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Instrument cluster	ICL, Instrument cluster		
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Chassis module	BWS, Bodywork management system		
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Electronic module	AWD, Four-wheel Drive		
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Engine	EMS XPI, High pressure injection system, injection rail		
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Radio	AUS, Audio system		
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Retarder	RET, Retarder		
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Safety	CSS, Collision safety system		
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Suspension	SMS, Suspension management system		
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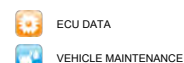
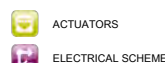
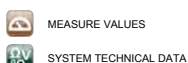
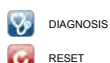
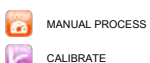
Tachograph	TCO, Tachograph		
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Telematic	RTI, Road transport information		
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R 480



Antitheft	LAS, Locking and alarm system		
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Gearbox	GMS, Gearbox management system	
HVAC (Heating, Ventilating and Air Conditioning)	AHS ATA, Auxiliary heater system, air to air	
HVAC (Heating, Ventilating and Air Conditioning)	AHS WTA, Air-water heater auxiliary system	
HVAC (Heating, Ventilating and Air Conditioning)	CCS, Climate Control System	
Central computer	COO, Coordinator	
Brakes	BMS, Brake management system	
Compressed air processing	APS, Compressed air supply	
Lighting	VIS, Visibility system	
Instrument cluster	ICL, Instrument cluster	
Chassis module	BWS, Bodywork management system	
Electronic module	AWD, Four-wheel Drive	
Engine	EMS HPI, High pressure injection system	
Engine	EMS XPI, High pressure injection system, injection rail	
Radio	AUS, Audio system	
Retarder	RET, Retarder	
Safety	CSS, Collision safety system	
Suspension	SMS, Suspension management system	
Tachograph	TCO, Tachograph	
Telematic	RTI, Road transport information	

R 500



Engine	EMS PDE, Engine management system, pump-injectors		
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R 560



Engine	EMS PDE, Engine management system, pump-injectors		
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R 580

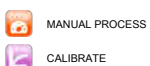


Engine	EMS PDE, Engine management system, pump-injectors		
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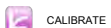
R 620



Engine	EMS PDE, Engine management system, pump-injectors		
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MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



M5 Pacer

Engine

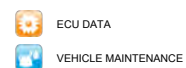
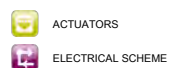
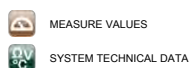
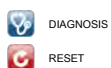
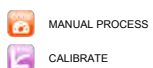
EDC 7, Electronic diesel control, injection rail



R5 Strato

Engine

EDC 7, Electronic diesel control, injection rail





Caterpillar

Engine	ECM 3126, Engine control system					
Engine	ECM 3176, Engine control system					
Engine	ECM 3406, Engine control system					
Engine	ECM C-10, Engine control system					
Engine	ECM C-13, Engine Control System					
Engine	ECM C-15, Engine control system					
Engine	ECM C-16, Engine control system					
Engine	ECM C-7, Engine control system					

Cummins

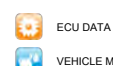
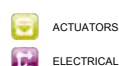
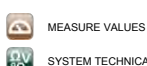
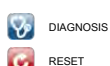
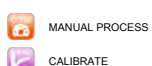
Engine	ISB 6.7 CM2250, Engine control system					
Engine	ISB CM2150D SAE J1939, Engine control system					
Engine	ISB CM2150E SAE J1939, Engine control system					
Engine	ISB CM850 SAE J1939, Engine management system					
Engine	ISB4.5 /6.7 - ISD 4.5/6.7 CM2150 SN, Engine control system					
Engine	ISC - ISL - ISB CM2250, Engine control system					
Engine	ISC 8.3 CM2250 SAE J1939, Engine control system					
Engine	ISC CM2150D, 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 CM2150D, Engine control system					
Engine	ISL G CM2180A, Engine control system					
Engine	ISL9 CM2250 SAE J1939, Engine control system					
Engine	ISM - ISM11 CM876 SN, Engine control system					
Engine	ISM CM870, Engine control system					
Engine	ISX /ISZ13 CM2150 SN, Engine control system					
Engine	ISX CM2250, Engine control system					
Engine	ISZ CM2150D, Engine control system					
Engine	Signature ISX CM870 SAE J1939, Engine control system					

Detroit Diesel

Engine	EDC Detroit Diesel MBE 4000 SAE J1939, Engine control system					
Engine	EDC Detroit Diesel MBE 900 SAE J1939, Engine Control System					

Freightliner

Multiplex	BHM, BulkHead Module					
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Mack

Central computer	VCM (Vehicle Control Module) MACK, Vehicle management computer					
Instrument cluster	INS MACK, Instrument cluster					
Engine	V-MAC III, Engine control system					
Engine	V-MAC IV, Engine control system					

MB

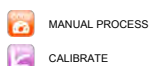
Engine	MR / PLD (4L & 6L cylinder), Pump-Pipe-Injector with electronic diesel control					
Engine	MR / PLD (6 cylinder), Pump-Pipe-Injector with electronic diesel control					
Engine	MR / PLD (6V & 8V cylinder), Pump-Pipe-Injector with electronic diesel control					

Meritor Wabco

Brakes	HABS, Anti-lock hydraulic braking system					
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Volvo

Engine	Vectro, Engine management system					
Engine	V-MAC IV, Engine control system					



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

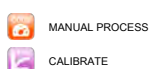


PHOENIX

Antipollution	EAS/EAS-2, Exhaust gas treatment system							
Gearbox	AS Tronic, Gearbox with electronic control							
Gearbox	AS Tronic, Gearbox parametrization							
Central computer	VIC-3, Vehicle central computer							
Brakes	EBS 2, Electronic Braking System							
Instrument cluster	DIP-4, DAF Instrument cluster							
Maintenance	Service-3, Maintenance system							
Chassis module	BBM, Bodywork Module							
Engine	DMCI, Multi-Controlled Injection							
Tachograph	DTCO, Digital Tachograph							

T-810

Central computer	VECU, Vehicle Electronic Control Unit							
Engine	EMS, Engine management system							



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

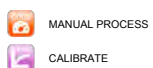


FL

Engine	EDC Euro 3, Engine management system			
Engine	EDC Euro 4/5, Engine management system			

FM

Engine	EDC Euro 3, Engine management system			
Engine	EDC Euro 4/5, Engine management system			



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



F 10



F 12



FE [2006-...], engine: D7E



Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

FH [2005-...], engine: D12F, D13A, D13B, D16E



Antipollution	ADS/SCR AdBlue, Exhaust gas treatment system				
Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Brakes	EBS5, Electronic Braking System				
Engine	EDC Euro 4/5, Engine management system				

FH 12 E98 [1998-2001], engine: D12C, D12D



Brakes	EBS, Electronic Braking System				
Engine	EDC, Engine management system				

FH 12 V2 [2002-2005], engine: D12D, D12F



Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

FH 16 E98 [1998-2001], engine: D16B



Brakes	EBS, Electronic Braking System				
Engine	EDC, Engine management system				

FH 16 V2 [2002-2005], engine: D16C, D16E

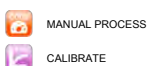


Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

FL V2 [2006-...]



Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Engine	EDC Euro 4/5, Engine management system									
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FM [2005-...], engine: D9B, D12F, D13A, D13B

Antipollution	ADS/SCR AdBlue, Exhaust gas treatment system									
Gearbox	TECU, Transmission									
Central computer	VECU, Vehicle Electronic Control Unit									
Brakes	EBS5, Electronic Braking System									
Engine	EDC Euro 3, Engine management system									
Engine	EDC Euro 4/5, Engine management system									

FM 10 [1998-2001], engine: D10B

Brakes	EBS, Electronic Braking System									
Engine	EDC, Engine management system									

FM 12 E98 [1998-2001], engine: D12C, D12D

Brakes	EBS, Electronic Braking System									
Engine	EDC, Engine management system									

FM 12 V2 [2002-2005], engine: D12D, D12F

Gearbox	TECU, Transmission									
Central computer	VECU, Vehicle Electronic Control Unit									
Engine	EDC Euro 3, Engine management system									
Engine	EDC Euro 4/5, Engine management system									

FM 7 [1998-2001], engine: D7C

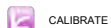
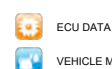
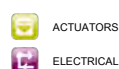
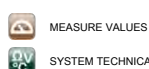
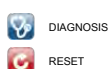
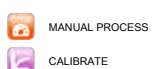
Brakes	EBS, Electronic Braking System									
Engine	EDC, Engine management system									

FM 9 V2 [2002-2005], engine: D9A, D9B

Gearbox	TECU, Transmission									
Central computer	VECU, Vehicle Electronic Control Unit									
Engine	EDC Euro 3, Engine management system									
Engine	EDC Euro 4/5, Engine management system									

NH 12, engine: D12D

Gearbox	TECU, Transmission									
Central computer	VECU, Vehicle Electronic Control Unit									
Engine	EDC Euro 3, Engine management system									
Engine	EDC Euro 4/5, Engine management system									

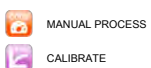




NH 12



Gearbox	TECU, Transmission			
Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC Euro 3, Engine management system			
Engine	EDC Euro 4/5, Engine management system			



MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE

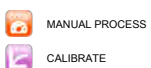


TECHNICAL DATA

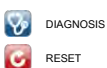


Trailer

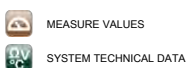
EBS Trailer	Haldex, EB+ 2 ^o generation, System's parameter setting								
EBS Trailer	Haldex, EB+, System's parameter setting								
EBS Trailer	Knorr, TEBS Gen2, Brake management system								
EBS Trailer	Wabco, EBS C, Brake management system								
EBS Trailer	Wabco, EBS D CAN, Brake management system								
EBS Trailer	Wabco, EBS D, Brake management system								
EBS Trailer	Wabco, EBS E, Brake management system								



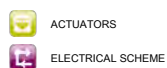
MANUAL PROCESS



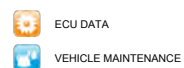
DIAGNOSIS



MEASURE VALUES



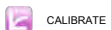
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



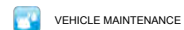
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



A0909

Compressed air processing	APM, Compressed air production management		
Engine	EECU CR MS6.3 E, Diesel injection control, injection rail		
Engine	EMS Euro 4/5, Engine management system		

A1010T

Engine	EECU CR MS6.3 E, Diesel injection control, injection rail		
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A1012T

Compressed air processing	APM, Compressed air production management		
Engine	EECU CR MS6.3 E, Diesel injection control, injection rail		
Engine	EMS Euro 4/5, Engine management system		

A1215DLE

Antipollution	EAS/EAS-2, Exhaust gas treatment system		
Engine	DMCI, Multi-Controlled Injection		

A8V

Engine	MR, Pump-Pipe-Injector with electronic diesel control		
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H7

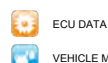
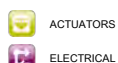
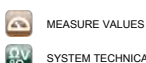
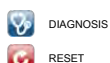
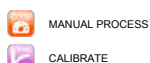
Engine	MR, Pump-Pipe-Injector with electronic diesel control		
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M12LF

Antipollution	Denox2, Exhaust gas treatment system		
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M18LF

Antipollution	Denox2, Exhaust gas treatment system		
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EURORIDER



Antipollution DENOXTRONIC, Exhaust gas treatment system 

Brakes ABS 2X, Antilock braking system 


Engine EDC 7, Electronic diesel control, injection rail  

GIANINO MB




Central computer FR, Electronic gear shift regulation 


Brakes BS, Braking system  

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

Suspension NR, Level regulation 

SCANIA Aura Euro 4/5

Chassis module BCS, Bus chassis system   


Engine EMS PDE, Engine management system, pump-injectors 

SCANIA Aura K 124 Euro 3

Gearbox Opticruise, Gearbox with electronic control 


SCANIA CYGNUS

Chassis module BCS, Bus chassis system   




Engine EMS PDE, Engine management system, pump-injectors 

VOLVO AURA

Gearbox TECU, Transmission 


Central computer VECU, Vehicle Electronic Control Unit 



Engine EDC Euro 3, Engine management system  




Engine EDC Euro 4/5, Engine management system   

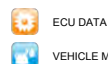
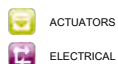
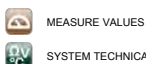
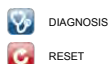
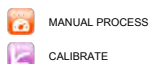
VOLVO CYGNUS

Gearbox TECU, Transmission 

Central computer VECU, Vehicle Electronic Control Unit 

Engine EDC Euro 3, Engine management system  

Engine EDC Euro 4/5, Engine management system   





250 SB (Euro 5)

Brakes ABS 6, Antilock braking system



Hawk (Euro 5)

Brakes ABS 6, Antilock braking system



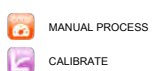
Probus 215 SCB (Euro 5)

Brakes ABS 6, Antilock braking system

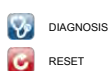


Procity (Euro 5)

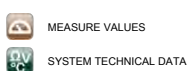
Brakes ABS 6, Antilock braking system



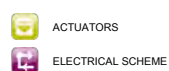
MANUAL PROCESS



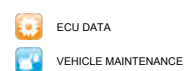
DIAGNOSIS



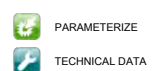
MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



AXIAL EURO 5

Antipollution EAS/EAS-2, Exhaust gas treatment system



Engine DMCI, Multi-Controlled Injection



MAGIC EURO 5

Antipollution EAS/EAS-2, Exhaust gas treatment system



Engine DMCI, Multi-Controlled Injection

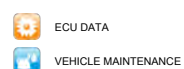
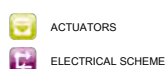
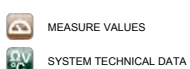
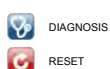
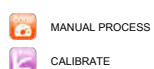


SYNERGY EURO 5

Antipollution EAS/EAS-2, Exhaust gas treatment system



Engine DMCI, Multi-Controlled Injection

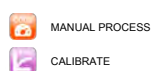




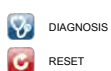
Avancity+ L

Engine

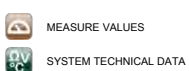
MR / PLD, Pump-Pipe-Injector with electronic diesel control



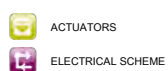
MANUAL PROCESS



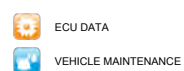
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



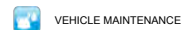
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

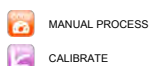


CI200 MB OC500

Central computer	FR, Electronic gear shift regulation				
Brakes	BS, Braking system				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Suspension	NR, Level regulation				
Tachograph	TCO, Tachograph				

CT600 MB OC500

Central computer	FR, Electronic gear shift regulation				
Brakes	BS, Braking system				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Suspension	NR, Level regulation				
Tachograph	TCO, Tachograph				



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



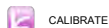
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE

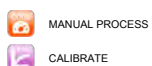


TECHNICAL DATA



CITADINO VOLVO B7R

Gearbox	TECU, Transmission			
Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC Euro 3, Engine management system			
Engine	EDC Euro 4/5, Engine management system			



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



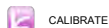
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



EURORIDER C33

Antipollution	DENOXTRONIC, Exhaust gas treatment system	
Brakes	ABS 2X, Antilock braking system	
Engine	EDC 7, Electronic diesel control, injection rail	

SCANIA K310

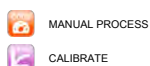
Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	

VOLVO B12B

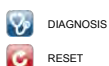
Gearbox	TECU, Transmission	
Central computer	VECU, Vehicle Electronic Control Unit	
Engine	EDC Euro 3, Engine management system	
Engine	EDC Euro 4/5, Engine management system	

VOLVO B9L

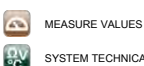
Gearbox	TECU, Transmission	
Central computer	VECU, Vehicle Electronic Control Unit	
Engine	EDC Euro 3, Engine management system	
Engine	EDC Euro 4/5, Engine management system	



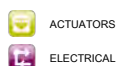
MANUAL PROCESS



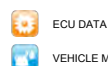
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MEASURE VALUES



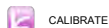
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



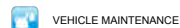
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



BC 11

Engine EDC 7, Electronic diesel control, injection rail



BN 12

Antipollution DENOX2, Exhaust gas treatment system



BN 18

Antipollution DENOX2, Exhaust gas treatment system



EC 11

Engine EDC 7, Electronic diesel control, injection rail



EC 12

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



EN 12

Antipollution DENOX2, Exhaust gas treatment system



EN 18

Antipollution DENOX2, Exhaust gas treatment system



IC 11

Engine EDC 7, Electronic diesel control, injection rail



IC 12

Antipollution DENOX2, Exhaust gas treatment system

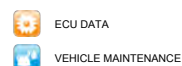
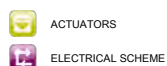
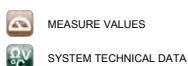
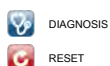
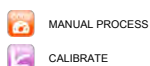


Engine EDC 7, Electronic diesel control, injection rail



LC 11H

Engine EDC 7, Electronic diesel control, injection rail





IVECO 150E25

Brakes	ABS 2X, Antilock braking system	
Engine	EDC 7, Electronic diesel control, injection rail	

IVECO MidiRider

Antipollution	DENOXTRONIC, Exhaust gas treatment system	
Brakes	ABS 2X, Antilock braking system	
Engine	EDC 7, Electronic diesel control, injection rail	

MAN 12 240

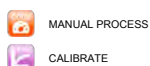
Central computer	ZBR II, Body computer	
Engine	EDC 7, Electronic diesel control, injection rail	

MAN 18 440

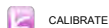
Central computer	ZBR II, Body computer	
Engine	EDC 7, Electronic diesel control, injection rail	

MB OC500

Antipollution	SCR Bluetec, Exhaust gas treatment system	
Central computer	FR, Electronic gear shift regulation	
Brakes	BS, Braking system	
Engine	MR, Pump-Pipe-Injector with electronic diesel control	
Suspension	NR, Level regulation	
Tachograph	TCO, Tachograph	



MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE

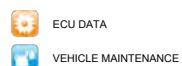
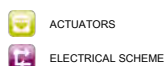
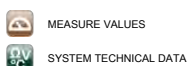
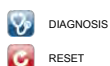
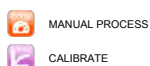


TECHNICAL DATA



Generic Bus

Gearbox	DIWA 5, Automatic gearbox	
Gearbox	Opticruise, Gearbox with electronic control	
Brakes	Knorr Bremse, ABS 2X, Antilock braking system	
Brakes	Wabco, BS, Braking system	
Brakes	Wabco, CBU MAN, Brake central unit	
Brakes	Wabco, CBU, Brake central unit	
Engine	DCI EURO 2, Diesel injection control, injection rail	
Engine	DCI EURO 3, Diesel injection control, injection rail	
Engine	DMCI, Multi-Controlled Injection	
Engine	EDC 7 A, Electronic diesel control, injection rail	
Engine	EDC 7 B, Electronic diesel control, injection rail	
Engine	EMS PDE, Engine management system, pump-injectors	
Engine	E-TECH EURO 3, Pump-Pipe-Injector with electronic diesel control	
Engine	ITC, Injection timing electronic control	
Engine	MR_I, Pump-Pipe-Injector with electronic diesel control	
Suspension	Wabco, ECAS ENR, Level regulation	





EURORIDER

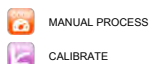
Antipollution	DENOXTRONIC, Exhaust gas treatment system	
Brakes	ABS 2X, Antilock braking system	
Engine	EDC 7, Electronic diesel control, injection rail	

MB OC500

Central computer	FR, Electronic gear shift regulation	
Brakes	BS, Braking system	
Engine	MR, Pump-Pipe-Injector with electronic diesel control	
Suspension	NR, Level regulation	
Tachograph	TCO, Tachograph	

VDL SB400

Antipollution	DENOXTRONIC, Exhaust gas treatment system	
Brakes	ABS 2X, Antilock braking system	
Engine	EDC 7, Electronic diesel control, injection rail	



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



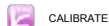
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



IVECO 100E22

Brakes

ABS 2X, Antilock braking system



IVECO MAGO2

Brakes

ABS 2X, Antilock braking system



MB ATEGO

Central computer

FR, Electronic gear shift regulation



Brakes

BS, Braking system



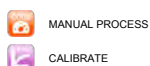
Engine

MR, Pump-Pipe-Injector with electronic diesel control

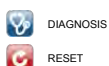


Suspension

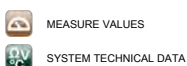
NR, Level regulation



MANUAL PROCESS



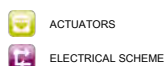
DIAGNOSIS



MEASURE VALUES



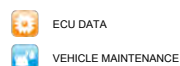
SYSTEM TECHNICAL DATA



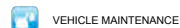
ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



DAILY BUS

Central computer

BC, Body computer





AGORA

Engine ITC, Injection timing electronic control



ARES

Engine ITC, Injection timing electronic control



CITY CLASS

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



DAILY BUS

Central computer BC, Body computer



DOMINO Euro 3

Engine EDC 7, Electronic diesel control, injection rail



DOMINO Euro 4/5

Antipollution DENOX2, Exhaust gas treatment system



EUROCLASS

Engine EDC 7, Electronic diesel control, injection rail



EUROPOLIS

Engine EDC 7, Electronic diesel control, injection rail



EURORIDER

Antipollution DENOX2, Exhaust gas treatment system



Electronic module VBC, Multiplex



Engine EDC 7, Electronic diesel control, injection rail



MINIBUS

Central computer BC, Body computer



MY WAY

Engine EDC 7, Electronic diesel control, injection rail



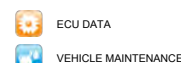
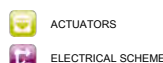
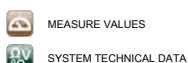
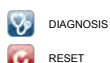
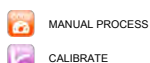
POLLICINO

Engine EDC 7, Electronic diesel control, injection rail



RECREO

Engine ITC, Injection timing electronic control





MAN

Gearbox	DIWA 5, Automatic gearbox	
Central computer	ZBR II, Body computer	
Engine	EDC 7, Electronic diesel control, injection rail	

MERCEDES

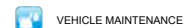
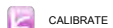
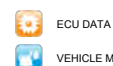
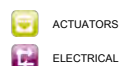
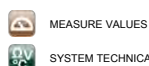
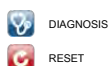
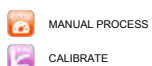
Central computer	FR, Electronic gear shift regulation	
Brakes	BS, Braking system	
Engine	MR, Pump-Pipe-Injector with electronic diesel control	
Suspension	NR, Level regulation	
Tachograph	TCO, Tachograph	

SCANIA Series 4

Gearbox	Opticruise, Gearbox with electronic control	
---------	---	--

SCANIA Series K

Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	





CITYCLASS

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



DAILY BUS

Central computer BC, Body computer



DOMINO 2001

Engine EDC 7, Electronic diesel control, injection rail



EUROCLASS

Engine EDC 7, Electronic diesel control, injection rail



EUROPOLIS

Engine EDC 7, Electronic diesel control, injection rail



EURORIDER

Antipollution DENOX2, Exhaust gas treatment system



Electronic module VBC, Multiplex



Engine EDC 7, Electronic diesel control, injection rail



MINIBUS

Central computer BC, Body computer



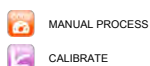
MY WAY

Engine EDC 7, Electronic diesel control, injection rail

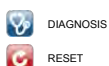


POLLICINO

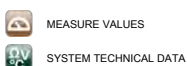
Engine EDC 7, Electronic diesel control, injection rail



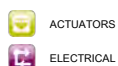
MANUAL PROCESS



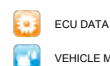
DIAGNOSIS



MEASURE VALUES



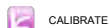
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



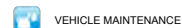
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



EL 223/283

Engine EDC 7, Electronic diesel control, injection rail   

EM 220

Engine EDC 7, Electronic diesel control, injection rail   

EM 222

Engine EDC 7, Electronic diesel control, injection rail   

EM 223

Engine EDC 7, Electronic diesel control, injection rail   

EM 283

Engine EDC 7, Electronic diesel control, injection rail   

ND 222

Engine EDC 7, Electronic diesel control, injection rail   

NG 262

Engine EDC 7, Electronic diesel control, injection rail   

NG/SG 263 LION'S CLASSIC G

Engine EDC 7, Electronic diesel control, injection rail   

NG/SG 313 LION'S CLASSIC G

Engine EDC 7, Electronic diesel control, injection rail   

NL 223 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

NL 243 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

NL 263 LION'S CLASSIC

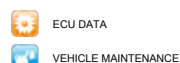
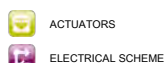
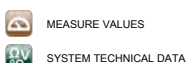
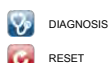
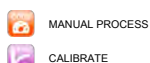
Engine EDC 7, Electronic diesel control, injection rail   

NL 283 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

NL 313 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   





NL 363 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

NM 223

Engine EDC 7, Electronic diesel control, injection rail   

NM 283

Engine EDC 7, Electronic diesel control, injection rail   

NÜ 263 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

NÜ 283 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

NÜ 313 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

NÜ 363 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail   

R 313 LION'S COMFORT

Engine EDC 7, Electronic diesel control, injection rail   

R 363 LION'S COMFORT

Engine EDC 7, Electronic diesel control, injection rail   

RH 352 LION'S COACH

Engine EDC 7, Electronic diesel control, injection rail   

RH 352 LION'S STAR

Engine EDC 7, Electronic diesel control, injection rail   

RH 402 LION'S COACH

Engine EDC 7, Electronic diesel control, injection rail   

RH 402 LION'S STAR

Engine EDC 7, Electronic diesel control, injection rail   

RH 403 LION'S TOP COACH

Engine EDC 7, Electronic diesel control, injection rail   

RH 463 LION'S STAR

 MANUAL PROCESS	 DIAGNOSIS	 MEASURE VALUES	 ACTUATORS	 ECU DATA	 PARAMETERIZE
 CALIBRATE	 RESET	 SYSTEM TECHNICAL DATA	 ELECTRICAL SCHEME	 VEHICLE MAINTENANCE	 TECHNICAL DATA



MAN



Engine EDC 7, Electronic diesel control, injection rail



RH 463 LION'S TOP COACH

Engine EDC 7, Electronic diesel control, injection rail



RHC 414 LION'S COACH

Engine EDC 7, Electronic diesel control, injection rail



RHC 414 LION'S TOP COACH

Engine EDC 7, Electronic diesel control, injection rail



RHC 464 LION'S COACH

Engine EDC 7, Electronic diesel control, injection rail



RHC 464 LION'S TOP COACH

Engine EDC 7, Electronic diesel control, injection rail



RHS 414 LION'S STAR

Engine EDC 7, Electronic diesel control, injection rail



RHS 414 LION'S TOP STAR

Engine EDC 7, Electronic diesel control, injection rail



RHS 464 LION'S STAR

Engine EDC 7, Electronic diesel control, injection rail



SD 202

Engine EDC 7, Electronic diesel control, injection rail



SG 263 LION'S CLASSIC G

Engine EDC 7, Electronic diesel control, injection rail



SG 292

Engine EDC 7, Electronic diesel control, injection rail



SG 313 LION'S CLASSIC G

Engine EDC 7, Electronic diesel control, injection rail



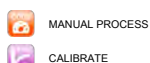
SL 223 LION'S CLASSIC

Engine EDC 7, Electronic diesel control, injection rail

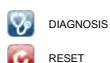


SL 283 LION'S CLASSIC

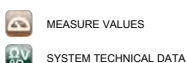
Engine EDC 7, Electronic diesel control, injection rail



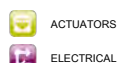
MANUAL PROCESS



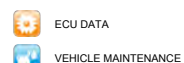
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



MAN



SÜ 223 LION'S CLASSIC

Engine

EDC 7, Electronic diesel control, injection rail



SÜ 283 LION'S CLASSIC

Engine

EDC 7, Electronic diesel control, injection rail



SÜ 313 LION'S CLASSIC

Engine

EDC 7, Electronic diesel control, injection rail



SÜ 363 LION'S CLASSIC

Engine

EDC 7, Electronic diesel control, injection rail



ÜL 313 LION'S COMFORT

Engine

EDC 7, Electronic diesel control, injection rail



ÜL 353 LION'S COMFORT

Engine

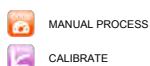
EDC 7, Electronic diesel control, injection rail



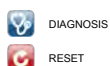
ÜL 363 LION'S COMFORT

Engine

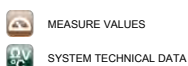
EDC 7, Electronic diesel control, injection rail



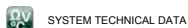
MANUAL PROCESS



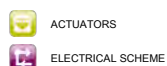
DIAGNOSIS



MEASURE VALUES



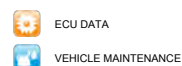
SYSTEM TECHNICAL DATA



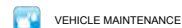
ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



IVECO MidiRider

Antipollution DENOXTRONIC, Exhaust gas treatment system



Brakes ABS 2X, Antilock braking system

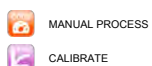


Engine EDC 7, Electronic diesel control, injection rail

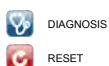


MERCEDES

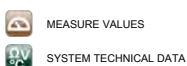
Engine MR / PLD, Pump-Pipe-Injector with electronic diesel control



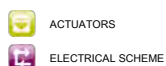
MANUAL PROCESS



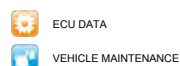
DIAGNOSIS



MEASURE VALUES



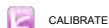
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



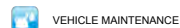
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



BR 300

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	ENR, Level regulation			

BR 400

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	ECAS ENR, Level regulation			

INTEGRO EURO 4/5

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			

INTOURO EURO 4/5

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			

LO 712

Engine	MR, Pump-Pipe-Injector with electronic diesel control			
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LO 812

Engine	MR, Pump-Pipe-Injector with electronic diesel control			
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LO 915

Engine	MR, Pump-Pipe-Injector with electronic diesel control			
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O 345 CONECTO

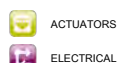
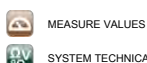
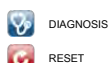
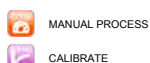
Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

O 345 Euro I - II

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

O 350 TOURISMO

Engine	MR / PLD, Pump-Pipe-Injector with electronic diesel control			
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O 404

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	ECAS ENR, Level regulation			

O 520 CITO

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	ENR, Level regulation			

O 530 CITARO

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	ENR, Level regulation			

O 550 INTEGRO EURO I+II

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

O 550 INTEGRO EURO III

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

O 560 INTOURO I+II

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

O 560 INTOURO III

Central computer	FR, Electronic gear shift regulation			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

O 580 TRAVEGO

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			

O500 R/M/MA/U/UA - ISO

Engine	MR/PLD (4_6 cylinder), Pump-Pipe-Injector with electronic diesel control			
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O500 RS/RSD - ISO

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



Central computer	FR, Electronic gear shift regulation				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				

O500 RS/RSD/MA/UA - OBD

Central computer	FR, Electronic gear shift regulation				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Tachograph	TCO, Tachograph				

OC 500 LE

Central computer	FR, Electronic gear shift regulation				
Brakes	BS, Braking system				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Suspension	NR, Level regulation				
Tachograph	TCO, Tachograph				

OC 500 RF

Central computer	FR, Electronic gear shift regulation				
Brakes	BS, Braking system				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Suspension	NR, Level regulation				
Tachograph	TCO, Tachograph				

OF/OH/LO - ISO

Engine	MR/PLD (4_6 cylinder), Pump-Pipe-Injector with electronic diesel control				
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OF1015-41/ OF1119-41/ OF1218-44/ OF1319-44 -OBD

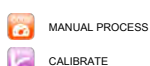
Central computer	FR/CPC, Electronic gear shift regulation				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Tachograph	TCO, Tachograph				

OH1215/ OH1518-25/ OH1622-26 - OBD

Central computer	FR, Electronic gear shift regulation				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Suspension	NR, Level regulation				
Tachograph	TCO, Tachograph				

TOURISMO EURO 4/5

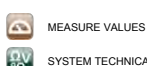
Central computer	FR, Electronic gear shift regulation				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				



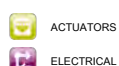
MANUAL PROCESS



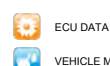
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



CENTROLINER

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

Brakes	CBU, Brake central unit						
Engine	EDC 7, Electronic diesel control, injection rail						
Safety	ACC, Adaptative Cruise Control						
Safety	LGS, Laneguard system						
Suspension	ECAS KWP, Electronically controlled suspension system						

SKYLINER

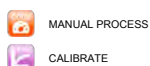
Engine	EDC 7, Electronic diesel control, injection rail			
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STARLINER

Engine	EDC 7, Electronic diesel control, injection rail			
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TOURLINER

Engine	EDC 7, Electronic diesel control, injection rail			
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MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



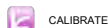
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



CITYCLASS

Antipollution	DENOXTRONIC, Exhaust gas treatment system		
Brakes	ABS 2X, Antilock braking system		
Engine	EDC 7, Electronic diesel control, injection rail		

DAF VDL BUS

Antipollution	EAS/EAS-2, Exhaust gas treatment system		
Engine	DMCI, Multi-Controlled Injection		

EURORIDER C38

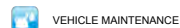
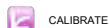
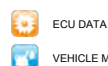
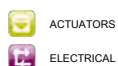
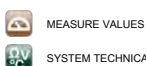
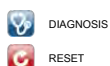
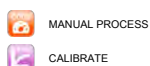
Antipollution	DENOXTRONIC, Exhaust gas treatment system		
Brakes	ABS 2X, Antilock braking system		
Engine	EDC 7, Electronic diesel control, injection rail		

SCANIA

Chassis module	BCS, Bus chassis system			
Engine	EMS PDE, Engine management system, pump-injectors			

VOLVO B12B

Gearbox	TECU, Transmission			
Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC Euro 3, Engine management system			
Engine	EDC Euro 4/5, Engine management system			

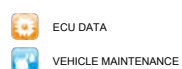
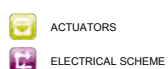
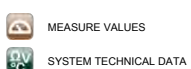
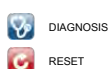
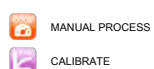




VECTIO

Engine

EDC 7 MAN, Electronic diesel control, injection rail





AGORA

Engine

ITC, Injection timing electronic control



ARES

Engine

ITC, Injection timing electronic control



ILLIADE

Engine

DCI EURO 3, Diesel injection control, injection rail



Engine

ITC, Injection timing electronic control



PR 112 / 118

Engine

ITC, Injection timing electronic control



R 212 / 312

Engine

ITC, Injection timing electronic control



RECREO KAROSA

Engine

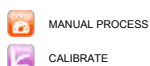
ITC, Injection timing electronic control



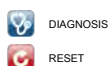
TRACER

Engine

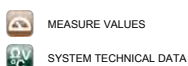
ITC, Injection timing electronic control



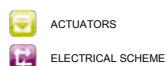
MANUAL PROCESS



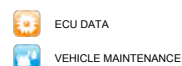
DIAGNOSIS



MEASURE VALUES



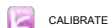
ACTUATORS



ECU DATA



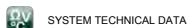
PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

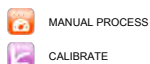


SAE J1587

Antitheft	MID 163, Vehicle Security			
Antitheft	MID 214 ACM (Alarm Control Module), Alarm			
Gearbox	MID 130 TCM, Transmission			
HVAC (Heating, Ventilating and Air Conditioning)	MID 146 A/C, Climate control			
HVAC (Heating, Ventilating and Air Conditioning)	MID 200 HVAC, Climate Control System			
Central computer	MID 142 CC, Body computer			
Central computer	MID 144 VCM, Vehicle Electronic Control Unit			
Wheel pressure control	MID 166 TPMS, Tire Pressure Monitoring System			
Steering	MID 184, Electronically-controlled steering axle			
Steering	MID 250, Steering Column Unit			
Brakes	MID 136 ABS, Brake management system			
Compressed air processing	MID 185, Compressed air production management			
Lighting	MID 216 LCM, Light Control Unit			
Instrument cluster	MID 140 INS, Info Instrumentation			
Instrument cluster	MID 171, Driver Information Center			
Chassis module	MID 210 BCI, Chassis identification unit			
Electronic module	MID 165, Engine gateway			
Electronic module	MID 203, Fleet management system			
Electronic module	MID 213, DYNAFLEET			
Engine	MID 128 ECM, Engine control system			
Radio	MID 206 Audio, Radio			
Retarder	MID 222 RET, Retarder			
Safety	MID 219 CAS, Collision avoidance system			
Safety	MID 232 AIRBAG, Airbag			
Shift Selector	MID 223 GCM, Gearbox lever			
Suspension	MID 150 ECS, Electronically controlled suspension system			
Tachograph	TCO, Tachograph			
Telematic	MID 181 Satellite Communication, Satellite communication			
Telematic	MID 231, Telephone			

SAE J1708

Antitheft	MID 163, Vehicle Security			
Antitheft	MID 214 ACM (Alarm Control Module), Alarm			
HVAC (Heating, Ventilating and Air Conditioning)	MID 200 HVAC, Climate Control System			
Wheel pressure control	MID 166 TPMS, Tire Pressure Monitoring System			



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

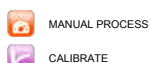


SAE STANDARD

Steering	MID 184, Electronically-controlled steering axle			
Steering	MID 250, Steering Column Unit			
Expansion Module	MID 170, Electrical			
Expansion Module	MID 178, Vehicle Sensors to Data Converter			
Expansion Module	MID 187, Vehicle Control Head Unit, Vehicle Electronic Control Unit			
Expansion Module	MID 188, Vehicle Logic Control Unit, Vehicle Electronic Control Unit			
Expansion Module	MID 240, Passenger Counter Unit			
Compressed air processing	MID 185, Compressed air production management			
Instrument cluster	MID 171, Driver Information Center			
Instrument cluster	MID 234 Display, Instrument cluster - display			
Electronic module	MID 165, Engine gateway			
Electronic module	MID 203, Fleet management system			
Electronic module	MID 213, DYNAFLEET			
Radio	MID 206 Audio, Radio			
Data record	MID 179, Data Logging Unit (On-Board Data Logger)			
Safety	MID 219 CAS, Collision avoidance system			
Tachograph	TCO, Tachograph			
Telematic	MID 181 Satellite Communication, Satellite communication			
Telematic	MID 231, Telephone			

SAE J1939

HVAC (Heating, Ventilating and Air Conditioning)	HVAC SAE J1939, Heating, Ventilation, Air Conditioning			
Wheel pressure control	TPMS SAE J1939, Tire Pressure Monitoring System			
Instrument cluster	VID (Vehicle Information Display) SAE J1939, Instrument cluster - display			
Chassis module	Chassis Module SAE J1939, Chassis Interface Module			
Electronic module	MC SAE J1939, Vehicle management computer			
Data record	DLU SAE J1939, Data Logging Unit (On-Board Data Logger)			
Safety	Headway Controller SAE J1939, Collision avoidance system			
Shift Selector	Shift Console Primary SAE J1939, Gearbox lever			
Telematic	Cellular SAE J1939, Telephone			
Telematic	Module NV SAE J1939, Browser			



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



114

Gearbox Opticruise, Gearbox with electronic control

94

Gearbox Opticruise, Gearbox with electronic control

94 OMNICITY

Gearbox Opticruise, Gearbox with electronic control

K 124

Gearbox Opticruise, Gearbox with electronic control

K 230 IB [2005-...]

Chassis module BCS, Bus chassis system

Engine EMS PDE, Engine management system, pump-injectors

K 270 IB [2005-...]

Chassis module BCS, Bus chassis system

Engine EMS PDE, Engine management system, pump-injectors

K 310 IB

Chassis module BCS, Bus chassis system

Engine EMS PDE, Engine management system, pump-injectors

K 310 IB [2005-...]

Chassis module BCS, Bus chassis system

Engine EMS PDE, Engine management system, pump-injectors

K 340 EB

Chassis module BCS, Bus chassis system

Engine EMS PDE, Engine management system, pump-injectors

K 340 IB

Chassis module BCS, Bus chassis system

Engine EMS PDE, Engine management system, pump-injectors

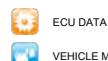
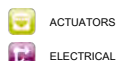
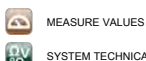
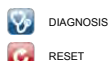
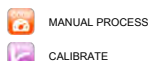
K 380 EB

Chassis module BCS, Bus chassis system

Engine EMS PDE, Engine management system, pump-injectors

K 380 IB

Chassis module BCS, Bus chassis system





Engine	EMS PDE, Engine management system, pump-injectors	
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K 420 EB

Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	

K 420 IB

Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	

K 470 EB

Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	

N 230 UB [2005-...]

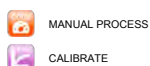
Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	

N 270 UB [2005-...]

Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	

N 310 UB [2005-...]

Chassis module	BCS, Bus chassis system	
Engine	EMS PDE, Engine management system, pump-injectors	



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



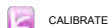
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

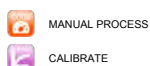


BR 300

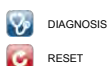
Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	ENR, Level regulation			

BR 400

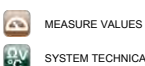
Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	ECAS ENR, Level regulation			



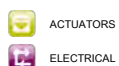
MANUAL PROCESS



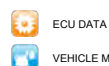
DIAGNOSIS



MEASURE VALUES



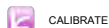
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



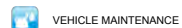
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE

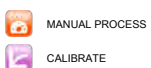


TECHNICAL DATA



MARLIN

Central computer	FR, Electronic gear shift regulation			
Brakes	BS, Braking system			
Engine	MR, Pump-Pipe-Injector with electronic diesel control			
Suspension	NR, Level regulation			



MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



ALPINO

Antipollution EAS/EAS-2, Exhaust gas treatment system



Engine DMCI, Multi-Controlled Injection



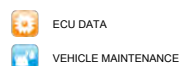
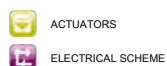
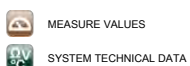
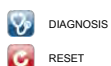
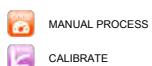
URBINO 12



Antipollution EAS/EAS-2, Exhaust gas treatment system



Engine DMCI, Multi-Controlled Injection





BN 10,5

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



BN 12

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



C 10,5

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



C 12

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



CN 10,5

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



CN 12

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail



LH 10,5

Antipollution DENOX2, Exhaust gas treatment system



Engine EDC 7, Electronic diesel control, injection rail

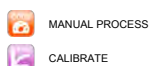


LH 12

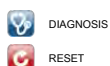
Antipollution DENOX2, Exhaust gas treatment system



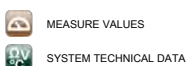
Engine EDC 7, Electronic diesel control, injection rail



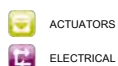
MANUAL PROCESS



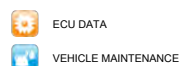
DIAGNOSIS



MEASURE VALUES



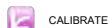
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



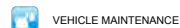
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



B12B

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

B7R

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

B9L

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

B9R Sideral

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

MAN A89

Engine	EDC 7, Electronic diesel control, injection rail				
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MB SIDERAL OC500

Central computer	FR, Electronic gear shift regulation				
Brakes	BS, Braking system				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				
Suspension	NR, Level regulation				
Tachograph	TCO, Tachograph				

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



Caterpillar

Engine	ECM 3126, Engine control system						
Engine	ECM 3176, Engine control system						
Engine	ECM 3406, Engine control system						
Engine	ECM C-10, Engine control system						
Engine	ECM C-13, Engine Control System						
Engine	ECM C-15, Engine control system						
Engine	ECM C-16, Engine control system						
Engine	ECM C-7, Engine control system						

Cummins

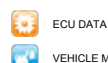
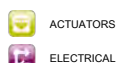
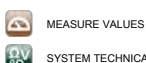
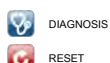
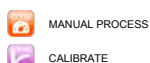
Engine	ISB 6.7 CM2250, Engine control system						
Engine	ISB CM2150D SAE J1939, Engine control system						
Engine	ISB CM2150E SAE J1939, Engine control system						
Engine	ISB CM850 SAE J1939, Engine management system						
Engine	ISB4.5 /6.7 - ISD 4.5/6.7 CM2150 SN, Engine control system						
Engine	ISC - ISL - ISB CM2250, Engine control system						
Engine	ISC 8.3 CM2250 SAE J1939, Engine control system						
Engine	ISC CM2150D, Engine control system						
Engine	ISF 2.8 CM2220 S, Engine control system						
Engine	ISL CM2150D, Engine control system						
Engine	ISL G CM2180A, Engine control system						
Engine	ISL9 CM2250 SAE J1939, Engine control system						
Engine	ISM - ISM11 CM876 SN, Engine control system						
Engine	ISM CM870, Engine control system						
Engine	ISX /ISZ13 CM2150 SN, Engine control system						
Engine	ISX CM2250, Engine control system						
Engine	ISZ CM2150D, Engine control system						
Engine	Signature ISX CM870 SAE J1939, Engine control system						

Detroit Diesel

Engine	EDC Detroit Diesel MBE 4000 SAE J1939, Engine control system						
Engine	EDC Detroit Diesel MBE 900 SAE J1939, Engine Control System						

MB

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

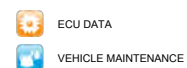
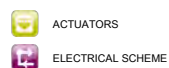
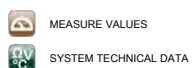
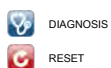
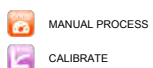


Volvo

Engine VE D12, Engine management system



Engine V-MAC IV, Engine control system



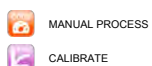


A330

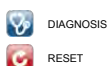
Antipollution	EAS/EAS-2, Exhaust gas treatment system	
Engine	DMCI, Multi-Controlled Injection	

ASTRON

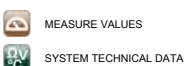
Antipollution	EAS/EAS-2, Exhaust gas treatment system	
Engine	DMCI, Multi-Controlled Injection	



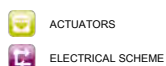
MANUAL PROCESS



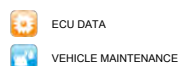
DIAGNOSIS



MEASURE VALUES



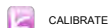
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



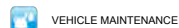
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



7700

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

8300

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

8500

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

8700

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

9300

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

9700

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				

9900

Gearbox	TECU, Transmission				
Central computer	VECU, Vehicle Electronic Control Unit				
Engine	EDC Euro 3, Engine management system				
Engine	EDC Euro 4/5, Engine management system				


MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



B 10B

Engine EDC, Engine management system  

B 10L

Engine EDC, Engine management system  

B 10M

Engine EDC, Engine management system  

B 10M-ART


Engine EDC, Engine management system  


B 12

Engine EDC, Engine management system  

B 12B [1997-...]

Gearbox TECU, Transmission 


Central computer VECU, Vehicle Electronic Control Unit 

Engine EDC Euro 3, Engine management system  




Engine EDC Euro 4/5, Engine management system   

B 12M [1999-...]

Gearbox TECU, Transmission 

Central computer VECU, Vehicle Electronic Control Unit 

Engine EDC Euro 3, Engine management system  


Engine EDC Euro 4/5, Engine management system   


B 7L




Engine EDC, Engine management system  

B 7R [1997-...]

Gearbox TECU, Transmission 


Central computer VECU, Vehicle Electronic Control Unit 



Engine EDC Euro 3, Engine management system  



Engine EDC Euro 4/5, Engine management system   

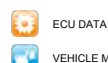
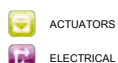
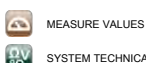
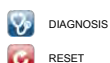
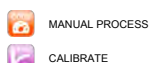
B 9L [2005-...]

Gearbox TECU, Transmission 

Central computer VECU, Vehicle Electronic Control Unit 

Engine EDC Euro 3, Engine management system  

Engine EDC Euro 4/5, Engine management system   



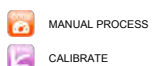


B 9R [2003-...]

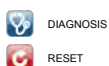
Gearbox	TECU, Transmission			
Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC Euro 3, Engine management system			
Engine	EDC Euro 4/5, Engine management system			

SIDERAL

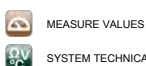
Gearbox	TECU, Transmission			
Central computer	VECU, Vehicle Electronic Control Unit			
Engine	EDC Euro 3, Engine management system			
Engine	EDC Euro 4/5, Engine management system			



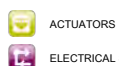
MANUAL PROCESS



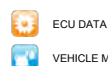
DIAGNOSIS



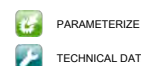
MEASURE VALUES



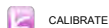
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



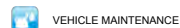
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Jumper 2.0 HDi [2001-2002], engine: RHV

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.0 HDi [2002-...], engine: RHV

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.2 HDi [2002-...], engine: 4HY

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Brakes ABS 8.0, Antilock braking system



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Brakes ABS 8.0, Antilock braking system



Jumper 2.8 Diesel [1999-2002], engine: 8140 63

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.8 Diesel Turbo [1999-2002], engine: 8140 43

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.8 Diesel Turbo [2002-...], engine: 8140 43

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.8 HDi (107 kW) [2004-2006], engine: 8140 43s

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.8 HDi (93 kW) [2005-...], engine: 8140 43s

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.8 HDi (94 kW) [2000-2002], engine: 8140 43s

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



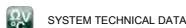
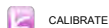
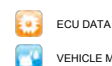
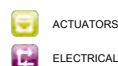
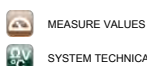
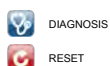
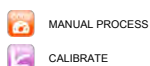
Jumper 2.8 HDi (94 kW) [2002-2006], engine: 8140 43s

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Jumper 2.8 T [2001-2005], engine: 8140 43

Engine CR/EDC 15C-7, Electronic diesel control, injection rail





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



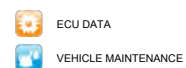
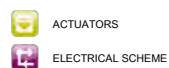
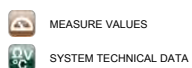
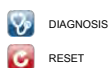
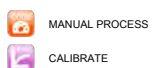
HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



Brakes

ABS 8.0, Antilock braking system





Sprinter 2500 [1995-2000], engine: OM 601.943



Brakes	ABS/ABD 5.3, Antilock braking system				
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Sprinter 2500 [1995-2000], engine: OM 602.980 DE LA



Brakes	ABS/ABD 5.3, Antilock braking system				
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Sprinter 2500 [2000-2006], engine: OM 611 DE LA



Gearbox	EGS ML, Transmission						
Gearbox	EGS SSG, Transmission						
Brakes	ABS/ABD 5.3, Antilock braking system						
Brakes	ABS/ASR 5.7, Antilock braking system						
Brakes	ESP 1.34, Electronic stability control						
Engine	EDC 15C6, Electronic Diesel Control						
Safety	AB 7.8, Airbag						

Sprinter 2500 [2000-2006], engine: OM 612.981 DE LA



Gearbox	EGS ML, Transmission						
Gearbox	EGS SSG, Transmission						
Brakes	ABS/ABD 5.3, Antilock braking system						
Brakes	ABS/ASR 5.7, Antilock braking system						
Brakes	ESP 1.34, Electronic stability control						
Engine	EDC 15C6, Electronic Diesel Control						
Safety	AB 7.8, Airbag						

Sprinter 2500 [2001-...], engine: OM 611 LA

Gearbox	EGS SSG, Transmission						
Brakes	ABS/ASR 5.7, Antilock braking system						
Brakes	ESP 1.34, Electronic stability control						
Engine	EDC 15C6, Electronic Diesel Control						

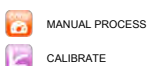
Sprinter 2500 [2004-2006], engine: OM 647.981 DE 27 LA

Gearbox	EGS ML, Transmission						
Gearbox	EGS SSG, Transmission						
Brakes	ESP 1.34, Electronic stability control						
Engine	EDC 16 C2, Electronic Diesel Control						
Safety	AB 7.8, Airbag						

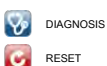
Sprinter 2500 [2006-...], engine: OM 642.99...



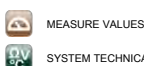
Antitheft	EZS 7.0, Ignition and start electronic switch				
Gearbox	EGS/VGSNA2, Automatic gearbox				



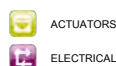
MANUAL PROCESS



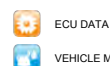
DIAGNOSIS



MEASURE VALUES



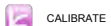
ACTUATORS



ECU DATA



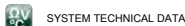
PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



HVAC (Heating, Ventilating and Air Conditioning)	CU 7.0, Climate control								
Central computer	BC 7.0, Body computer								
Brakes	ESP 8.0 VAR 1, Electronic stability control								
Instrument cluster	INS 7.0, Instrument cluster								
Electronic module	ALWR 906, Light Control Unit								
Electronic module	CD-System 9.12.1, CD Control								
Electronic module	DBE 7.0, Roof control								
Electronic module	EWM 906, Gearbox lever								
Electronic module	LS 7.0, Steering column switches / multifunction steering wheel								
Electronic module	OBF 7.0, Switches modular system								
Electronic module	Trailer 2.0, Towed vehicle recognition system								
Electronic module	Trailer 2.1, Towed vehicle recognition system								
Electronic module	TSG 7.0, Door module								
Engine	CR/EDC 16CP31, Electronic Diesel Control								
Radio	Audio 1.0, Audio system								
Safety	AB 9.06, Airbag								

Sprinter 2500 [2006-...], engine: OM 646 DE 22 LA

Gearbox	EGS ML, Transmission					
Electronic module	CD-System 9.12.1, CD Control					

Sprinter 3500 [1995-2000], engine: OM 601.943

Brakes	ABS/ABD 5.3, Antilock braking system					
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Sprinter 3500 [1995-2000], engine: OM 602.980 DE LA

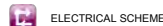
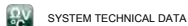
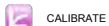
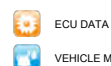
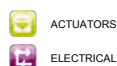
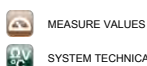
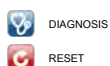
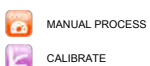
Brakes	ABS/ABD 5.3, Antilock braking system					
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Sprinter 3500 [2000-2006], engine: OM 611 DE LA

Gearbox	EGS ML, Transmission							
Gearbox	EGS SSG, Transmission							
Brakes	ABS/ABD 5.3, Antilock braking system							
Brakes	ABS/ASR 5.7, Antilock braking system							
Brakes	ESP 1.34, Electronic stability control							
Engine	EDC 15C6, Electronic Diesel Control							
Safety	AB 7.8, Airbag							

Sprinter 3500 [2000-2006], engine: OM 612.981 DE LA

Gearbox	EGS ML, Transmission					
Gearbox	EGS SSG, Transmission					
Brakes	ABS/ABD 5.3, Antilock braking system					





Brakes	ABS/ASR 5.7, Antilock braking system	
Brakes	ESP 1.34, Electronic stability control	
Engine	EDC 15C6, Electronic Diesel Control	
Safety	AB 7.8, Airbag	

Sprinter 3500 [2001-...], engine: OM 611 LA

Gearbox	EGS SSG, Transmission	
Brakes	ABS/ASR 5.7, Antilock braking system	
Brakes	ESP 1.34, Electronic stability control	
Engine	EDC 15C6, Electronic Diesel Control	

Sprinter 3500 [2004-2006], engine: OM 647.981 DE 27 LA

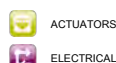
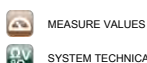
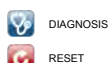
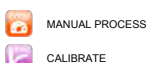
Gearbox	EGS ML, Transmission	
Gearbox	EGS SSG, Transmission	
Brakes	ESP 1.34, Electronic stability control	
Engine	EDC 16 C2, Electronic Diesel Control	
Safety	AB 7.8, Airbag	

Sprinter 3500 [2006-...], engine: OM 642.99...

Antitheft	EZS 7.0, Ignition and start electronic switch	
Gearbox	EGS/VGSNA2, Automatic gearbox	
HVAC (Heating, Ventilating and Air Conditioning)	CU 7.0, Climate control	
Central computer	BC 7.0, Body computer	
Brakes	ESP 8.0 VAR 1, Electronic stability control	
Instrument cluster	INS 7.0, Instrument cluster	
Electronic module	ALWR 906, Light Control Unit	
Electronic module	CD-System 9.12.1, CD Control	
Electronic module	DBE 7.0, Roof control	
Electronic module	EWM 906, Gearbox lever	
Electronic module	LS 7.0, Steering column switches / multifunction steering wheel	
Electronic module	OBF 7.0, Switches modular system	
Electronic module	Trailer 2.0, Towed vehicle recognition system	
Electronic module	Trailer 2.1, Towed vehicle recognition system	
Electronic module	TSG 7.0, Door module	
Engine	CR/EDC 16CP31, Electronic Diesel Control	
Radio	Audio 1.0, Audio system	
Safety	AB 9.06, Airbag	

Sprinter 3500 [2006-...], engine: OM 646 DE 22 LA

Gearbox	EGS ML, Transmission	
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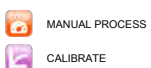


DODGE



Electronic module

CD-System 9.12.1, CD Control



MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



Ducato 10 2.0 JTD [2001-2002], engine: RHV

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 10 2.8 JTD [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 10 2.8 JTD 4x4 [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 10 2.8 JTD EGR [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 10 2.8 JTD EGR 4x4 [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 11 2.0 JTD [2002-2006], engine: RHV

Brakes ABS 8.0, Antilock braking system



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Ducato 11 2.3 JTD [2002-2006], engine: F1AE0481C

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Engine EDC 16 C39, Electronic Diesel Control



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Engine EDC 16 C39, Electronic Diesel Control



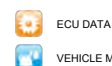
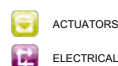
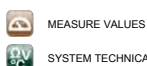
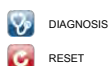
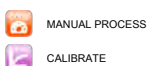
Ducato 11 2.3 JTD [2008-...], engine: F1AE0481C

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Ducato 11 2.3 JTD EGR [2002-2006], engine: F1AE0481C

Engine CR/EDC 15C-7, Electronic diesel control, injection rail





Ducato 11 2.8 JTD [2002-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 11 2.8 JTD 4x4 [2002-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 11 2.8 JTD EGR [2002-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 11 2.8 JTD EGR 4x4 [2002-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 11 3.0 JTD [2006-...], engine: F1CE0481D

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

Engine EDC 16 C39, Electronic Diesel Control

Ducato 14 2.0 JTD [2001-2002], engine: RHV

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 14 2.8 JTD [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 14 2.8 JTD 4x4 [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 14 2.8 JTD EGR [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 14 2.8 JTD EGR 4x4 [2000-2002], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 15 2.0 JTD [2002-2006], engine: RHV

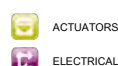
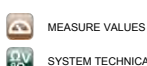
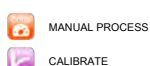
Engine CR/EDC 15C-7, Electronic diesel control, injection rail

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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

Ducato 15 2.3 JTD [2002-2006], engine: F1AE0481C

Engine CR/EDC 15C-7, Electronic diesel control, injection rail





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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

Engine EDC 16 C39, Electronic Diesel Control

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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

Engine EDC 16 C39, Electronic Diesel Control

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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

Ducato 15 2.3 JTD EGR [2002-2006], engine: F1AE0481C

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

Ducato 15 2.8 JTD [2002-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 15 2.8 JTD 4x4 [2002-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 15 2.8 JTD CGV [2004-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 15 2.8 JTD EGR [2002-2006], engine: 8140.43S

Engine CR/EDC 15C-7, Electronic diesel control, injection rail

Ducato 15 2.8 JTD EGR 4x4 [2002-2006], engine: 8140.43S

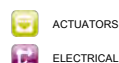
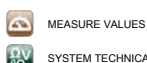
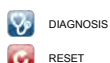
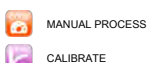
Engine CR/EDC 15C-7, Electronic diesel control, injection rail

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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

Engine EDC 16 C39, Electronic Diesel Control

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





FIAT



HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



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



HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



Engine

EDC 16 C39, Electronic Diesel Control



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



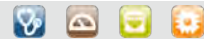
HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



Engine

EDC 16 C39, Electronic Diesel Control



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



HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



Engine

EDC 16 C39, Electronic Diesel Control



Ducato 18 2.3 JTD [2002-2006], engine: F1AE0481C



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail



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



HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



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



HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



Ducato 18 2.8 JTD [2000-2002], engine: 8140.43S



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 18 2.8 JTD [2002-2006], engine: 8140.43S



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 18 2.8 JTD 4x4 [2000-2002], engine: 8140.43S



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail



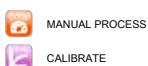
Ducato 18 2.8 JTD 4x4 [2002-2006], engine: 8140.43S

Engine

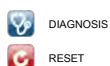
CR/EDC 15C-7, Electronic diesel control, injection rail



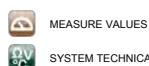
Ducato 18 2.8 JTD CGV [2004-2006], engine: 8140.43S



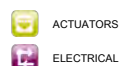
MANUAL PROCESS



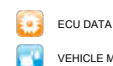
DIAGNOSIS



MEASURE VALUES



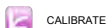
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



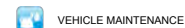
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



FIAT



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 18 2.8 JTD EGR [2000-2002], engine: 8140.43S



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 18 2.8 JTD EGR [2002-2006], engine: 8140.43S



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 18 2.8 JTD EGR 4x4 [2000-2002], engine: 8140.43S



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Ducato 18 2.8 JTD EGR 4x4 [2002-2006], engine: 8140.43S



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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



Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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



HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Brakes ABS/ASR 8.0, Antilock braking system



Engine EDC 16 C39, Electronic Diesel Control



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



HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Engine EDC 16 C39, Electronic Diesel Control



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



HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Engine EDC 16 C39, Electronic Diesel Control



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



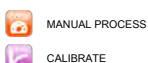
HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



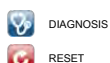
Engine EDC 16 C39, Electronic Diesel Control



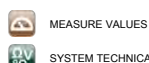
Ducato Maxi 20 2.3 JTD [2006-...], engine: F1AE0481N



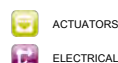
MANUAL PROCESS



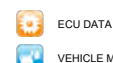
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



FIAT

HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



Engine

EDC 16 C39, Electronic Diesel Control



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



HVAC (Heating, Ventilating and Air Conditioning)

CU 2.0.1, Climate control



Engine

EDC 16 C39, Electronic Diesel Control



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



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail



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



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail



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



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail

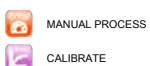


Ducato Multi T.B. 2.8 JTD [2005-2009], engine: 8140.43S



Engine

CR/EDC 15C-7, Electronic diesel control, injection rail



MANUAL PROCESS

CALIBRATE



DIAGNOSIS

RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



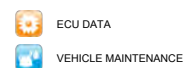
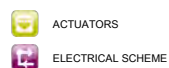
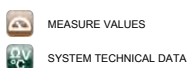
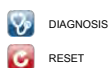
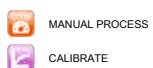
FORD

Transit Connect 1.8i [2002-2010], engine: EYPA

Instrument cluster INS T1.0, Instrument cluster



Electronic module PDK T1.0, Parking help system





Sprinter 2500 [1995-2000], engine: OM 601.943

Brakes	ABS/ABD 5.3, Antilock braking system					
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Sprinter 2500 [1995-2000], engine: OM 602.980 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system					
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Sprinter 2500 [2000-2006], engine: OM 611 DE LA

Gearbox	EGS ML, Transmission					
Gearbox	EGS SSG, Transmission					
Brakes	ABS/ABD 5.3, Antilock braking system					
Brakes	ABS/ASR 5.7, Antilock braking system					
Brakes	ESP 1.34, Electronic stability control					
Engine	EDC 15C6, Electronic Diesel Control					
Safety	AB 7.8, Airbag					

Sprinter 2500 [2000-2006], engine: OM 612.981 DE LA

Gearbox	EGS ML, Transmission					
Gearbox	EGS SSG, Transmission					
Brakes	ABS/ABD 5.3, Antilock braking system					
Brakes	ABS/ASR 5.7, Antilock braking system					
Brakes	ESP 1.34, Electronic stability control					
Engine	EDC 15C6, Electronic Diesel Control					
Safety	AB 7.8, Airbag					

Sprinter 2500 [2001-...], engine: OM 611 LA

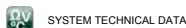
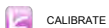
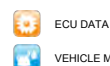
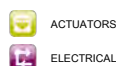
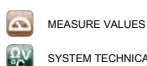
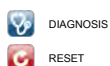
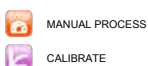
Gearbox	EGS SSG, Transmission					
Brakes	ABS/ASR 5.7, Antilock braking system					
Brakes	ESP 1.34, Electronic stability control					
Engine	EDC 15C6, Electronic Diesel Control					

Sprinter 2500 [2004-2006], engine: OM 647.981 DE 27 LA

Gearbox	EGS ML, Transmission					
Gearbox	EGS SSG, Transmission					
Brakes	ESP 1.34, Electronic stability control					
Engine	EDC 16 C2, Electronic Diesel Control					
Safety	AB 7.8, Airbag					

Sprinter 2500 [2006-...], engine: OM 642.99...

Antitheft	EZS 7.0, Ignition and start electronic switch					
Gearbox	EGS/VGSNA2, Automatic gearbox					





HVAC (Heating, Ventilating and Air Conditioning)	CU 7.0, Climate control							
Central computer	BC 7.0, Body computer							
Brakes	ESP 8.0 VAR 1, Electronic stability control							
Instrument cluster	INS 7.0, Instrument cluster							
Electronic module	ALWR 906, Light Control Unit							
Electronic module	CD-System 9.12.1, CD Control							
Electronic module	DBE 7.0, Roof control							
Electronic module	EWM 906, Gearbox lever							
Electronic module	LS 7.0, Steering column switches / multifunction steering wheel							
Electronic module	OBF 7.0, Switches modular system							
Electronic module	Trailer 2.0, Towed vehicle recognition system							
Electronic module	Trailer 2.1, Towed vehicle recognition system							
Electronic module	TSG 7.0, Door module							
Engine	CR/EDC 16CP31, Electronic Diesel Control							
Radio	Audio 1.0, Audio system							
Safety	AB 9.06, Airbag							

Sprinter 2500 [2006-...], engine: OM 646 DE 22 LA

Gearbox	EGS ML, Transmission					
Electronic module	CD-System 9.12.1, CD Control					

Sprinter 3500 [1995-2000], engine: OM 601.943

Brakes	ABS/ABD 5.3, Antilock braking system					
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Sprinter 3500 [1995-2000], engine: OM 602.980 DE LA

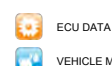
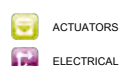
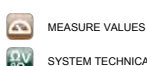
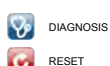
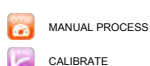
Brakes	ABS/ABD 5.3, Antilock braking system					
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Sprinter 3500 [2000-2006], engine: OM 611 DE LA

Gearbox	EGS ML, Transmission						
Gearbox	EGS SSG, Transmission						
Brakes	ABS/ABD 5.3, Antilock braking system						
Brakes	ABS/ASR 5.7, Antilock braking system						
Brakes	ESP 1.34, Electronic stability control						
Engine	EDC 15C6, Electronic Diesel Control						
Safety	AB 7.8, Airbag						

Sprinter 3500 [2000-2006], engine: OM 612.981 DE LA

Gearbox	EGS ML, Transmission					
Gearbox	EGS SSG, Transmission					
Brakes	ABS/ABD 5.3, Antilock braking system					





Brakes	ABS/ASR 5.7, Antilock braking system	
Brakes	ESP 1.34, Electronic stability control	
Engine	EDC 15C6, Electronic Diesel Control	
Safety	AB 7.8, Airbag	

Sprinter 3500 [2001-...], engine: OM 611 LA

Gearbox	EGS SSG, Transmission	
Brakes	ABS/ASR 5.7, Antilock braking system	
Brakes	ESP 1.34, Electronic stability control	
Engine	EDC 15C6, Electronic Diesel Control	

Sprinter 3500 [2004-2006], engine: OM 647.981 DE 27 LA

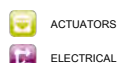
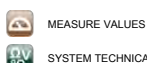
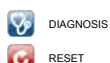
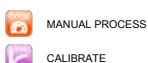
Gearbox	EGS ML, Transmission	
Gearbox	EGS SSG, Transmission	
Brakes	ESP 1.34, Electronic stability control	
Engine	EDC 16 C2, Electronic Diesel Control	
Safety	AB 7.8, Airbag	

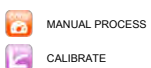
Sprinter 3500 [2006-...], engine: OM 642.99...

Antitheft	EZS 7.0, Ignition and start electronic switch	
Gearbox	EGS/VGSNA2, Automatic gearbox	
HVAC (Heating, Ventilating and Air Conditioning)	CU 7.0, Climate control	
Central computer	BC 7.0, Body computer	
Brakes	ESP 8.0 VAR 1, Electronic stability control	
Instrument cluster	INS 7.0, Instrument cluster	
Electronic module	ALWR 906, Light Control Unit	
Electronic module	CD-System 9.12.1, CD Control	
Electronic module	DBE 7.0, Roof control	
Electronic module	EWM 906, Gearbox lever	
Electronic module	LS 7.0, Steering column switches / multifunction steering wheel	
Electronic module	OBF 7.0, Switches modular system	
Electronic module	Trailer 2.0, Towed vehicle recognition system	
Electronic module	Trailer 2.1, Towed vehicle recognition system	
Electronic module	TSG 7.0, Door module	
Engine	CR/EDC 16CP31, Electronic Diesel Control	
Radio	Audio 1.0, Audio system	
Safety	AB 9.06, Airbag	

Sprinter 3500 [2006-...], engine: OM 646 DE 22 LA

Gearbox	EGS ML, Transmission	
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MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



GAZ

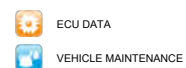
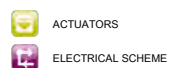
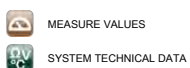
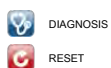
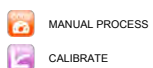
Gazel 2.1 TD [1997-...], engine: 5602

Engine UIS 1.0, Engine managment system, pump-injectors



Gazel 2.7 TD [2007-...], engine: ADCR110

Engine EDC 16 C39, Electronic Diesel Control





H-1 2.5 CRDi [2003-2006], engine: D4CB

Engine EDC 16 C39, Electronic Diesel Control



H-1 2.5 CRDi Cargo (100 kW) [2008-...]

Engine EDC 16 C39, Electronic Diesel Control



H-1 2.5 CRDi Cargo (125 kW) [2008-2008], engine: D4CB

Engine EDC 16 C39, Electronic Diesel Control



H-1 2.5 CRDi Cargo (81 kW) [2008-...]

Engine EDC 16 C39, Electronic Diesel Control



H-1 2.5 CRDi Travel [2008-...]

Engine EDC 16 C39, Electronic Diesel Control



H-1 2.5 CRDi Travel [2008-...], engine: D4CB

Engine EDC 16 C39, Electronic Diesel Control



H-1 2.5 Diesel [1997-2002], engine: D4BB

Engine EDC 16 C39, Electronic Diesel Control



Porter II 2.5 CRDi [2004-...], engine: D4CB

Brakes ABSK 1.0, Antilock braking system



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

Engine EDC 16 C39, Electronic Diesel Control



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

Engine EDC 16 C39, Electronic Diesel Control



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

Engine EDC 16 C39, Electronic Diesel Control



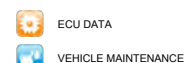
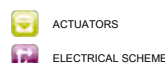
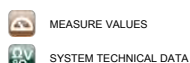
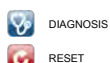
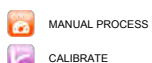
Starex 2.5 TCI Diesel [2000-2004], engine: D4BH

Engine EDC 16 C39, Electronic Diesel Control



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

Safety AB 9.0, Airbag





D-Max 3.0 Diesel Turbo 4x4 [2003-...], engine: 4JH1-TC



Antitheft	Immobilizer, Immobilizer					
Brakes	ABS 8, Antilock braking system					
Brakes	ABS 9.8.1, Antilock braking system					
Engine	4JH1-TC, Electronic Diesel Control					
Safety	Airbag Siemens, Airbag					

D-Max Cab 3.0 Diesel Turbo [2002-...], engine: 4JH1-T

Antitheft	Immobilizer, Immobilizer					
Brakes	ABS 8, Antilock braking system					
Engine	4JH1-T, Electronic Diesel Control					
Safety	Airbag Siemens, Airbag					

D-Max, engine: 4JJ1-TC

Antitheft	Immobilizer, Immobilizer						
Brakes	ABS 8, Antilock braking system						
Engine	4JJ1-TC, Electronic diesel control, injection rail						
Safety	Airbag Siemens, Airbag						

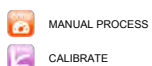
N-Series 3.0D [2005-...], engine: 4HK1-TC



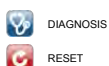
Gearbox	Smoother, Transmission Electronic Control Unit						
Engine	4HK1-TC, Electronic diesel control, injection rail						

Rodeo

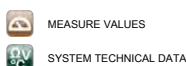
Antitheft	Immobilizer, Immobilizer					
Engine	4JH1-TC, Electronic Diesel Control					



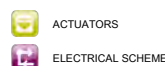
MANUAL PROCESS



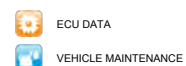
DIAGNOSIS



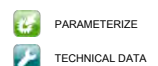
MEASURE VALUES



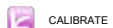
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



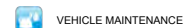
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Daily 2006



Central computer

BC, Body computer



New Daily 2006



Central computer

BC, Body computer



New Daily 2006 4x4

Central computer

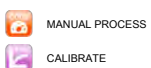
BC, Body computer



New Daily 2006 CNG

Central computer

BC, Body computer



MANUAL PROCESS

CALIBRATE



DIAGNOSIS

RESET



MEASURE VALUES

SYSTEM TECHNICAL DATA



ACTUATORS

ELECTRICAL SCHEME



ECU DATA

VEHICLE MAINTENANCE



PARAMETERIZE

TECHNICAL DATA



LDV

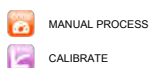
Maxus 2.5 [2005-...], engine: VM39C

Engine EDC 16 C39, Electronic Diesel Control



Maxus 2.5 [2005-...], engine: VM40C

Engine EDC 16 C39, Electronic Diesel Control



MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



108 CDI Vito [1999-2003], engine: OM 611.980



Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				

108 D Vito [1995-2003], engine: OM 601.942



Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				

109 CDI Vito [2006-...], engine: OM 646.980



110 CDI Vito [1999-2003], engine: OM 611.980



Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				

110 D Vito [1995-2003], engine: OM 601.970



Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				

112 CDI Vito [1999-2003], engine: OM 611.980



Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				

115 CDI Vito [2003-...], engine: OM 646.982



208 CDI Sprinter [2000-2006], engine: OM 611.987 DE LA



Brakes	ABS/ASR 5.7, Antilock braking system				
Safety	AB 7.8, Airbag				

208 D Sprinter [1995-2000], engine: OM 601.943



Brakes	ABS/ABD 5.3, Antilock braking system				
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210 D Sprinter [1997-2000], engine: OM 602.980 DE LA



Brakes	ABS/ABD 5.3, Antilock braking system				
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211 CDI Sprinter [2000-2006], engine: OM 611.981 DE LA



Brakes	ABS/ASR 5.7, Antilock braking system				
Safety	AB 7.8, Airbag				

212 D Sprinter [1995-2000], engine: OM 602.980 DE LA



Brakes	ABS/ABD 5.3, Antilock braking system				
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213 CDI Sprinter [2000-2006], engine: OM 611.981 DE LA



MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



Brakes	ABS/ASR 5.7, Antilock braking system						
Safety	AB 7.8, Airbag						

216 CDI Sprinter [2000-2006], engine: OM 612.981 DE LA

Brakes	ABS/ASR 5.7, Antilock braking system						
Safety	AB 7.8, Airbag						

308 CDI Sprinter [2000-2006], engine: OM 611.987 DE LA

Brakes	ABS/ASR 5.7, Antilock braking system						
Safety	AB 7.8, Airbag						

308 CDI Sprinter [2006-...], engine: OM 611.987 DE LA

Safety	AB 7.8, Airbag						
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308 D Sprinter [1995-2000], engine: OM 601.943

Brakes	ABS/ABD 5.3, Antilock braking system						
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308 D Sprinter James Cook [1995-2000], engine: OM 601.943

Brakes	ABS/ABD 5.3, Antilock braking system						
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310 D Sprinter [1997-2000], engine: OM 602.980 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system						
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310 D Sprinter James Cook [1997-2000], engine: OM 602.980 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system						
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311 CDI Sprinter [2000-2006], engine: OM 611.981 DE LA

Brakes	ABS/ASR 5.7, Antilock braking system						
Safety	AB 7.8, Airbag						

311 CDI Sprinter [2001-2004], engine: OM 611 LA

Brakes	ABS/ASR 5.7, Antilock braking system						
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311 CDI Sprinter [2002-2006], engine: OM 611.981 DE LA

Brakes	ABS/ASR 5.7, Antilock braking system						
Safety	AB 7.8, Airbag						

312 D Sprinter [1995-2000], engine: OM 602.980 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system						
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312 D Sprinter James Cook [1995-2000], engine: OM 602.980 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system						
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MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



313 CDI Sprinter [2000-2006], engine: OM 611.981 DE LA



Brakes	ABS/ASR 5.7, Antilock braking system							
Brakes	ESP 8.0 VAR 1, Electronic stability control							
Electronic module	Trailer 2.0, Towed vehicle recognition system							
Safety	AB 7.8, Airbag							

313 CDI Sprinter [2001-...], engine: OM 611 LA

Brakes	ABS/ASR 5.7, Antilock braking system							
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313 CDI Sprinter [2002-2006], engine: OM 611.981 DE LA



Brakes	ABS/ASR 5.7, Antilock braking system							
Safety	AB 7.8, Airbag							

313 CDI Sprinter [2006-...], engine: OM 611.981 DE LA



Safety	AB 7.8, Airbag							
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313 CDI Sprinter [2009-...], engine: OM 651.956 DE 22 LA

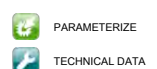
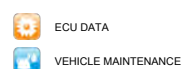
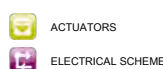
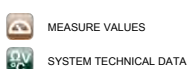
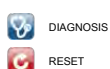
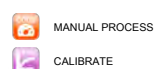
Antitheft	EZS 7.0, Ignition and start electronic switch							
Gearbox	EGS/VGSNA2, Automatic gearbox							
HVAC (Heating, Ventilating and Air Conditioning)	CU 7.0, Climate control							
Central computer	BC 7.0, Body computer							
Brakes	ESP 8.0 VAR 1, Electronic stability control							
Instrument cluster	INS 7.0, Instrument cluster							
Electronic module	ALWR 906, Light Control Unit							
Electronic module	CD-System 9.12.1, CD Control							
Electronic module	DBE 7.0, Roof control							
Electronic module	EWM 906, Gearbox lever							
Electronic module	LS 7.0, Steering column switches / multifunction steering wheel							
Electronic module	OBF 7.0, Switches modular system							
Electronic module	Trailer 2.0, Towed vehicle recognition system							
Electronic module	Trailer 2.1, Towed vehicle recognition system							
Electronic module	TSG 7.0, Door module							
Radio	Audio 1.0, Audio system							
Safety	AB 9.06, Airbag							

316 CDI Sprinter [2000-2006], engine: OM 612.981 DE LA



Brakes	ABS/ASR 5.7, Antilock braking system							
Safety	AB 7.8, Airbag							

316 CDI Sprinter [2004-2006], engine: OM 647.981 DE 27 LA





Safety

AB 7.8, Airbag



316 CDI Sprinter [2009-...], engine: OM 651.957 DE 22 LA

Antitheft	EZS 7.0, Ignition and start electronic switch				
Gearbox	EGS/VGSNA2, Automatic gearbox				
HVAC (Heating, Ventilating and Air Conditioning)	CU 7.0, Climate control				
Central computer	BC 7.0, Body computer				
Brakes	ESP 8.0 VAR 1, Electronic stability control				
Instrument cluster	INS 7.0, Instrument cluster				
Electronic module	ALWR 906, Light Control Unit				
Electronic module	CD-System 9.12.1, CD Control				
Electronic module	DBE 7.0, Roof control				
Electronic module	EWM 906, Gearbox lever				
Electronic module	LS 7.0, Steering column switches / multifunction steering wheel				
Electronic module	OBF 7.0, Switches modular system				
Electronic module	Trailer 2.0, Towed vehicle recognition system				
Electronic module	Trailer 2.1, Towed vehicle recognition system				
Electronic module	TSG 7.0, Door module				
Radio	Audio 1.0, Audio system				
Safety	AB 9.06, Airbag				

316 CDI Sprinter James Cook [2001-2006], engine: OM 612.981 DE LA

Brakes	ABS/ASR 5.7, Antilock braking system				
Safety	AB 7.8, Airbag				

408 CDI Sprinter [2000-2006], engine: OM 611.987 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				
Safety	AB 7.8, Airbag				

408 D Sprinter [1995-2000], engine: OM 601.943

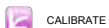
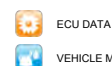
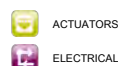
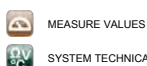
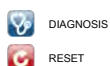
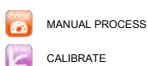
Brakes	ABS/ABD 5.3, Antilock braking system				
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410 D Sprinter [1997-2000], engine: OM 602.980 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system				
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411 CDI Sprinter [2000-2006], engine: OM 611.981 DE LA

Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				
Safety	AB 7.8, Airbag				





412 D Sprinter [1995-2000], engine: OM 602.980 DE LA



Brakes	ABS/ABD 5.3, Antilock braking system				
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413 CDI Sprinter [2000-2006], engine: OM 611.981 DE LA



Brakes	ABS/ABD 5.3, Antilock braking system					
Brakes	ABS/ASR 5.7, Antilock braking system					
Safety	AB 7.8, Airbag					

413 CDI Sprinter [2001-...], engine: OM 611 LA

Brakes	ABS/ASR 5.7, Antilock braking system					
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414 Sprinter [2000-2006], engine: M 111.984

Gearbox	EGS ML, Transmission					
Gearbox	EGS SSG, Transmission					
HVAC (Heating, Ventilating and Air Conditioning)	CU 7.0, Climate control					
Brakes	ABS/ABD 5.3, Antilock braking system					
Brakes	ABS/ASR 5.7, Antilock braking system					
Brakes	ESP 1.34, Electronic stability control					
Brakes	ESP 8.0 VAR 1, Electronic stability control					
Electronic module	DBE 7.0, Roof control					
Electronic module	Trailer 2.0, Towed vehicle recognition system					
Radio	Audio 1.0, Audio system					
Safety	AB 7.8, Airbag					

416 CDI Sprinter [2000-2006], engine: OM 612.981 DE LA



Brakes	ABS/ABD 5.3, Antilock braking system				
Brakes	ABS/ASR 5.7, Antilock braking system				
Safety	AB 7.8, Airbag				

416 CDI Sprinter [2004-2006], engine: OM 647.981 DE 27 LA

Safety	AB 7.8, Airbag			
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416 CDI Sprinter [2006-...], engine: OM 612.981 DE LA



Safety	AB 7.8, Airbag			
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613 D (Vario) [2006-...], engine: OM 900.917 (904 LA)



Central computer	FR, Electronic gear shift regulation				
Brakes	ABS, Antilock braking system				
Engine	MR, Pump-Pipe-Injector with electronic diesel control				

614 D (Vario) [1996-2001], engine: OM 904.908 LA

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



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



614 D (Vario) [2001-2006], engine: OM 904.914 LA

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



615 D (Vario) [1998-2001], engine: OM 904.923 LA

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



615 D (Vario) [2001-2006], engine: OM 904.936 LA

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



616 CDI Sprinter [2001-2006], engine: OM 612.981 DE LA

Brakes ABS/ASR 5.7, Antilock braking system



Safety AB 7.8, Airbag



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

Central computer FR, Electronic gear shift regulation



Brakes ABS, Antilock braking system



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



618 D (Vario) [2003-2006], engine: OM 904.964 LA

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



618 D (Vario) [2006-...], engine: OM900.919 (904 LA)

Central computer FR, Electronic gear shift regulation



Brakes ABS, Antilock braking system



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



618 D (Vario) [2006-2009], engine: OM 904.964 (904 LA)

Central computer FR, Electronic gear shift regulation



Brakes ABS, Antilock braking system



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



810 DT (Vario) [1996-2006], engine: OM 904.904 LA

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



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

Central computer FR, Electronic gear shift regulation



Brakes ABS, Antilock braking system

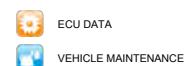
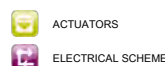
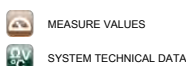
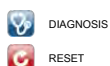
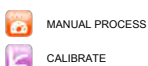


Engine MR, Pump-Pipe-Injector with electronic diesel control



814 D (Vario) [1996-2001], engine: OM 904.908 LA

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





814 D (Vario) [2001-2006], engine: OM 904.914 LA

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



814 DA (Vario) [1996-2001], engine: OM 904.908,923 LA

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



815 D (Vario) [1996-2001], engine: OM 904.923,936 LA

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



815 D (Vario) [2001-2006], engine: OM 904.936 LA

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



815 DA (Vario) [1996-2001], engine: OM 904.908,923 LA

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



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

Central computer FR, Electronic gear shift regulation

Brakes ABS, Antilock braking system

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



818 D (Vario) [2003-2006], engine: OM 904.964 LA

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



818 D/DA (Vario) [2006-...], engine: OM 900.919 (904 LA)

Central computer FR, Electronic gear shift regulation

Brakes ABS, Antilock braking system

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



818 D/DA (Vario) [2006-2009], engine: OM 904.964 (904 LA)

Central computer FR, Electronic gear shift regulation

Brakes ABS, Antilock braking system

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



O 810 (Vario) [1996-2001], engine: OM 904.904 LA

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



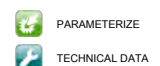
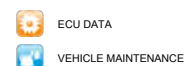
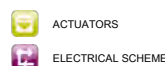
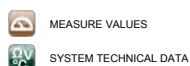
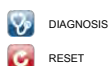
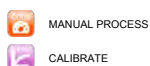
O 814 (Vario) [1996-2001], engine: OM 904.908 LA

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



O 815 (Vario) [1996-2001], engine: OM 904.923 LA

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





CANTER

Engine EDC 4M50, Electronic diesel control, injection rail



Engine MR 4M4, Diesel injection control, injection rail





NISSAN



Primastar 1.9 dCi 100 [2002-...], engine: F9Q 760

HVAC (Heating, Ventilating and Air Conditioning)

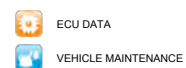
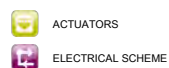
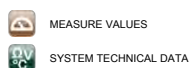
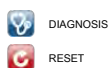
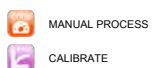
Klima 9.12.1, Climate control



Primastar 2.5 dCi 140 [2003-...], engine: G9U 730

Engine

EDC 15 C13, Electronic Diesel Control





Boxer 2.0 HDi [2001-2002], engine: RHV

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Boxer 2.0 HDi [2002-2006], engine: RHV

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Boxer 2.2 HDi [2002-2006], engine: 4HY

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Brakes ABS 8.0, Antilock braking system



Telematic Audio / Telematic 2.0.1, Audio system



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control



Brakes ABS 8.0, Antilock braking system



Telematic Audio / Telematic 2.0.1, Audio system



Boxer 2.8 Diesel [1999-2002], engine: 8140 63

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Boxer 2.8 Diesel Turbo [1999-2002], engine: 8140 43

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Boxer 2.8 Diesel Turbo [2002-2006], engine: 8140 43

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Boxer 2.8 HDi [2000-2002], engine: 8140 43s

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



Boxer 2.8 HDi [2002-2006], engine: 8140 43s

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



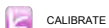
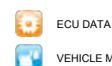
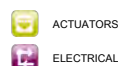
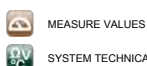
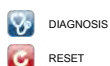
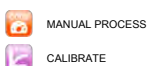
Boxer 2.8 HDi [2004-2006], engine: 8140 43

Engine CR/EDC 15C-7, Electronic diesel control, injection rail



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

HVAC (Heating, Ventilating and Air Conditioning) CU 2.0.1, Climate control

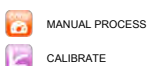




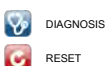
Brakes	ABS 8.0, Antilock braking system				
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Boxer 3.0 HDi [2010-...], engine: F1CE348ID

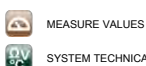
Gearbox	CFC 348, Gearbox management system						
HVAC (Heating, Ventilating and Air Conditioning)	CU 2.0.1, Climate control						
Central computer	BC 2.0.1, Body computer						
Brakes	ABS 8 Var 3, Antilock braking system						
Brakes	ABS 8.0, Antilock braking system						
Brakes	ABS/ASR 8.0, Antilock braking system						
Brakes	ESP 8.0, Electronic stability control						
Instrument cluster	INS 2.0.1, Instrument cluster						
Maintenance	Service 6.2.0, Maintenance system						
Electronic module	PDK 2.3, Parking help system						
Safety	AB 5.0, Airbag						
Telematic	Audio / Telematic 2.0, Audio system						



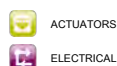
MANUAL PROCESS



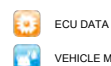
DIAGNOSIS



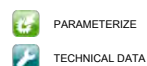
MEASURE VALUES



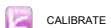
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



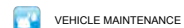
RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Mascott DXi Phase III, engine: ZD3A

Engine EDC, Electronic Diesel Control

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

Engine EDC 16, Electronic Diesel Control

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

Engine EDC 16, Electronic Diesel Control

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

Engine EDC 16, Electronic Diesel Control

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

Engine EDC 16, Electronic Diesel Control

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

Engine EDC 16, Electronic Diesel Control

Master 2.5 dCi 16V [2004-...], engine: G9U-724

Engine EDC 16, Electronic Diesel Control

Master 2.5 dCi 90 [2000-2003], engine: G9U 720

Engine EDC 16, Electronic Diesel Control

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

Engine EDC 16, Electronic Diesel Control

Master 3.0 dCi 140 [2003-2006], engine: ZD3 202

Engine EDC 16, Electronic Diesel Control

Master T28-35 [1994-1997], engine: 8140.27.2590

Safety AC4 PH1, Airbag

Safety AC4 PH2, Airbag

Safety AC6 PH2, Airbag

Maxity

Brakes HABS, Anti-lock hydraulic braking system

Engine EDC/ECCS YD25, Engine electronic control system

Trafic 2.0 DCI (84 kW) [2010-...], engine: M9R630

Central computer BC 2.3, Body computer

Safety AB 3, Airbag

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA

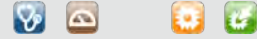


Trafic 2.2i [1994-1997], engine: J7T 600 Kat.

Central computer BC 2.3, Body computer

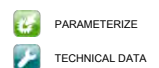
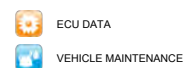
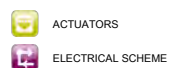
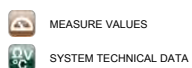
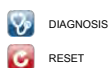
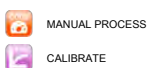


Safety AB 3, Airbag



Trafic 2.5 DCI [2002-2006], engine: G9U 730

Engine EDC 16, Electronic Diesel Control





Coaster 4.1 Diesel Turbo [1999-2004], engine: 15BFTE

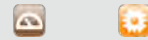
HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Electronic module

LS 9.12.1, Immobilizer, Steering column switch



Corolla Van 2.2 Diesel [1998-2002], engine: 3CE

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Corolla Van 2.2 Diesel 4WD [1998-2002], engine: 3CE

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Dyna 2.5 Diesel [2004-2007], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Dyna 3.0 Diesel Turbo 4WD [2007-...], engine: 1KDFTV

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Dyna 3.7 Diesel [1999-2004], engine: 4B

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Dyna 4.0 Diesel [2003-...], engine: N04C

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Dyna 4.0 Diesel [2004-...], engine: N04C

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Dyna 4.6 Diesel [2001-...], engine: SO5CTB

HVAC (Heating, Ventilating and Air Conditioning)

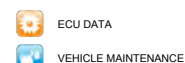
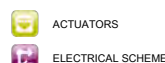
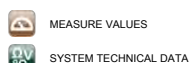
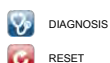
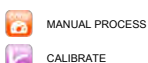
A/C 9.12.1, Climate control



Dyna 4.9 Diesel [1999-...], engine: S05D

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control





Hiace 2.5 D-4D [2001-...], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control



Hiace 2.5 D-4D 4x4 [2001-...], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control



Hiace 2.5 Diesel Turbo [2001-...], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control



Brakes ABS 1.0, Antilock braking system



Brakes ABS 8.0 VAR 2, Antilock braking system



Brakes ESP 1.0, Electronic stability control



Hiace 2.5 Diesel Turbo 4x4 [2001-...], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control

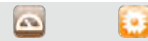


Hiace Commuter 2.5 Diesel Turbo [2005-2007], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control



Electronic module LS 9.12.1, Immobilizer, Steering column switch

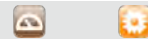


Hiace Commuter 2.5 Diesel Turbo 4WD [2005-2007], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control



Electronic module LS 9.12.1, Immobilizer, Steering column switch



Hiace Van 2.5 Diesel Turbo [2004-2007], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control

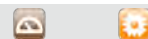


Hiace Van 2.5 Diesel Turbo 4WD [2004-2007], engine: 2KDFTV

HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control

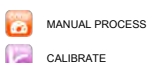


Electronic module LS 9.12.1, Immobilizer, Steering column switch

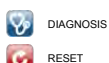


Hiace Van 3.0 Diesel Turbo [1995-2004], engine: 1KZTE

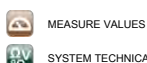
HVAC (Heating, Ventilating and Air Conditioning) A/C 9.12.1, Climate control



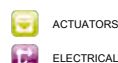
MANUAL PROCESS



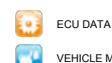
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Hiace Van 3.0 Diesel Turbo [2005-...], engine: 1KDFTV

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Hiace Van 3.0 Diesel Turbo [2007-...], engine: 1KDFTV

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Hiace Van 3.0 Diesel Turbo 4WD [2007-...], engine: 1KDFTV

HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Land Cruiser 4.5 4x4 [2007-...], engine: 1VDFTV

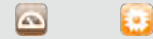
HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Electronic module

LS 9.12.1, Immobilizer, Steering column switch



Liteace Truck 2.2 Diesel [1999-2004], engine: 3CE

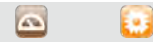
HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Electronic module

LS 9.12.1, Immobilizer, Steering column switch



Liteace Truck 2.2 Diesel 4x4 [1999-2004], engine: 3CE

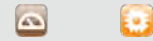
HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Electronic module

LS 9.12.1, Immobilizer, Steering column switch



Liteace Van 2.2 Diesel [1998-2004], engine: 3CE

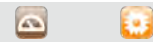
HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Electronic module

LS 9.12.1, Immobilizer, Steering column switch



Liteace Van 2.2 Diesel 4x4 [1998-2004], engine: 3CE

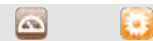
HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control



Electronic module

LS 9.12.1, Immobilizer, Steering column switch



Quantum 2.5 D-4D [2005-...], engine: 2KDFTV

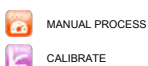
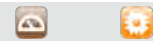
HVAC (Heating, Ventilating and Air Conditioning)

A/C 9.12.1, Climate control

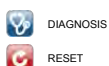


Electronic module

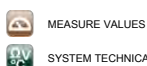
LS 9.12.1, Immobilizer, Steering column switch



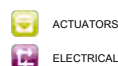
MANUAL PROCESS



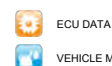
DIAGNOSIS



MEASURE VALUES



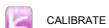
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Townace Truck 2.2 Diesel [1999-2004], engine: 3CE

HVAC (Heating, Ventilating and Air Conditioning)	A/C 9.12.1, Climate control						
--	-----------------------------	--	--	--	--	--	--

Electronic module	LS 9.12.1, Immobilizer, Steering column switch		
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Townace Van 2.2 Diesel [1998-2004], engine: 3CE

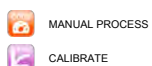
HVAC (Heating, Ventilating and Air Conditioning)	A/C 9.12.1, Climate control						
--	-----------------------------	--	--	--	--	--	--

Electronic module	LS 9.12.1, Immobilizer, Steering column switch		
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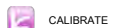
Townace Van 2.2 Diesel 4WD [1998-2004], engine: 3CE

HVAC (Heating, Ventilating and Air Conditioning)	A/C 9.12.1, Climate control						
--	-----------------------------	--	--	--	--	--	--

Electronic module	LS 9.12.1, Immobilizer, Steering column switch		
-------------------	--	--	--



MANUAL PROCESS



CALIBRATE



DIAGNOSIS



RESET



MEASURE VALUES



SYSTEM TECHNICAL DATA



ACTUATORS



ELECTRICAL SCHEME



ECU DATA



VEHICLE MAINTENANCE



PARAMETERIZE



TECHNICAL DATA



California T4 1.9 Diesel [1990-1997], engine: 1X

Safety AB 3, Airbag



Safety AB I, Airbag



California T4 1.9 Diesel Turbo [1992-2003], engine: ABL

HVAC (Heating, Ventilating and Air Conditioning)

A/C, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU, Climate control



Electronic module

CAN Bus, Communication interfaz



Electronic module

Navigation System, Browser



Electronic module

ZV, Central locking system



Radio

Radio, Radio



Safety

AB 3, Airbag



Safety

AB II, Airbag



California T4 2.4 Diesel [1990-1998], engine: AAB

HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



Safety

AB 3, Airbag



Safety

AB II, Airbag



California T4 2.4 Diesel [1997-2003], engine: AJA

HVAC (Heating, Ventilating and Air Conditioning)

A/C, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU, Climate control



Electronic module

CAN Bus, Communication interfaz



Electronic module

Navigation System, Browser



Electronic module

ZV, Central locking system



Radio

Radio, Radio



Safety

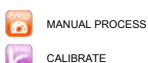
AB 3, Airbag



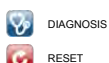
California T4 2.4 Syncro Diesel [1992-1998], engine: AAB

HVAC (Heating, Ventilating and Air Conditioning)

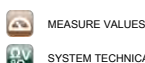
CU 1.0, Climate control



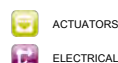
MANUAL PROCESS



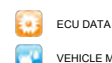
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Safety	AB 3, Airbag	
Safety	AB I, Airbag	

California T4 2.5 TDI [1995-2003], engine: ACV

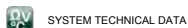
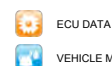
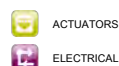
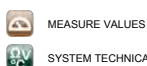
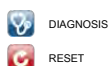
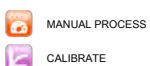
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					
Safety	AB 3, Airbag					
Safety	AB II, Airbag					

California T4 2.5 TDI [1998-2000], engine: AHY

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					
Safety	AB 3, Airbag					

California T4 2.5 TDI [1998-2003], engine: AJT

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					





Safety	AB 3, Airbag	
Safety	AB III, Airbag	

California T4 2.5 TDI [1999-2003], engine: AUF

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control	
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control	
Electronic module	CAN Bus, Communication interfaz	
Electronic module	Navigation System, Browser	
Electronic module	ZV, Central locking system	
Radio	Radio, Radio	
Safety	AB 3, Airbag	

California T4 2.5 TDI [2000-2003], engine: AXG

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control	
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control	
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control	
Electronic module	CAN Bus, Communication interfaz	
Electronic module	Navigation System, Browser	
Electronic module	ZV, Central locking system	
Radio	Radio, Radio	
Safety	AB 3, Airbag	

California T4 2.5 TDI [2001-2003], engine: AYC

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control	
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control	
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control	
Electronic module	CAN Bus, Communication interfaz	
Electronic module	Navigation System, Browser	
Electronic module	ZV, Central locking system	
Radio	Radio, Radio	
Safety	AB 3, Airbag	

California T4 2.5 TDI [2001-2003], engine: AYY

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

California T4 2.5 TDI Syncro [1998-2003], engine: ACV

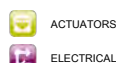
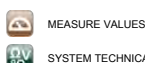
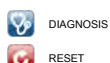
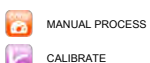
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				

California T4 2.5 TDI Syncro [2001-2003], engine: AXL

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

California T5 1.9 TDI [2003-2009], engine: AXB

Gearbox	GS 09G/K/M, Automatic gearbox				
Central computer	BC 2.0, Body computer				
Electronic module	CAN Bus, Communication interfaz				





Engine	EDC 16U1, Electronic Diesel Control	
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control	
Safety	AB 5, Airbag	
Safety	AB 6, Airbag	

California T5 1.9 TDI [2003-2009], engine: AXC

Gearbox	GS 09G/K/M, Automatic gearbox	
Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U1, Electronic Diesel Control	
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control	
Safety	AB 5, Airbag	
Safety	AB 6, Airbag	

California T5 1.9 TDI [2006-2009], engine: BRR

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U31, Electronic Diesel Control	
Safety	AB 6, Airbag	

California T5 1.9 TDI [2006-2009], engine: BRS

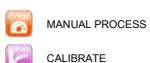
Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U31, Electronic Diesel Control	
Safety	AB 6, Airbag	

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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control	
Instrument cluster	INS 4.0, Instrument cluster	
Electronic module	Gateway 3.0, Gateway	
Radio	Audio 3.0, Audio system	
Safety	AB 10U, Airbag	

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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control	
Instrument cluster	INS 4.0, Instrument cluster	
Electronic module	Gateway 3.0, Gateway	
Radio	Audio 3.0, Audio system	
Safety	AB 10U, Airbag	



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

California T5 2.5 TDI [2003-2009], engine: AXD

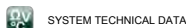
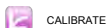
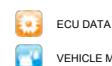
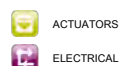
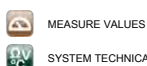
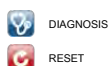
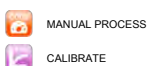
Gearbox	GS 09G/K/M, Automatic gearbox					
Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					
Safety	AB 6, Airbag					

California T5 2.5 TDI [2003-2009], engine: AXE

Gearbox	GS 09G/K/M, Automatic gearbox					
Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					
Safety	AB 6, Airbag					

California T5 2.5 TDI [2003-2009], engine: BLJ

Gearbox	GS 09G/K/M, Automatic gearbox					
Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					





Safety

AB 6, Airbag



California T5 2.5 TDI [2006-2009], engine: BNZ

Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U31, Electronic Diesel Control



Safety AB 6, Airbag



California T5 2.5 TDI [2006-2009], engine: BPC

Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U31, Electronic Diesel Control



Safety AB 6, Airbag



California T5 2.5 TDI 4 Motion [2004-2009], engine: AXD

Gearbox GS 09G/K/M, Automatic gearbox



Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U1, Electronic Diesel Control



Engine EDC 16U1-5.44/-5.5, Electronic Diesel Control



Safety AB 5, Airbag



Safety AB 6, Airbag



California T5 2.5 TDI 4 Motion [2004-2009], engine: AXE

Gearbox GS 09G/K/M, Automatic gearbox



Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U1, Electronic Diesel Control



Engine EDC 16U1-5.44/-5.5, Electronic Diesel Control



Safety AB 5, Airbag



Safety AB 6, Airbag



California T5 2.5 TDI 4 Motion [2006-2009], engine: BNZ

Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U31, Electronic Diesel Control



Safety AB 6, Airbag



California T5 2.5 TDI 4 Motion [2006-2009], engine: BPC

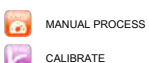
Central computer BC 2.0, Body computer



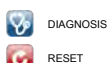
Electronic module CAN Bus, Communication interfaz



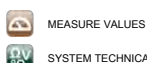
Engine EDC 16U31, Electronic Diesel Control



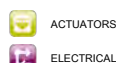
MANUAL PROCESS



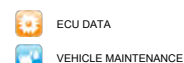
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Safety	AB 6, Airbag	
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Caravelle T4 1.9 Diesel [1990-1997], engine: 1X

HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control			
Safety	AB 3, Airbag			
Safety	AB I, Airbag			

Caravelle T4 1.9 Diesel Turbo [1992-2003], engine: ABL

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					
Safety	AB 3, Airbag					
Safety	AB II, Airbag					

Caravelle T4 2.4 Diesel [1990-1998], engine: AAB

HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control			
Safety	AB 3, Airbag			
Safety	AB II, Airbag			

Caravelle T4 2.4 Diesel [1997-2003], engine: AJA

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control			
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control			
Electronic module	CAN Bus, Communication interfaz			
Electronic module	Navigation System, Browser			
Electronic module	ZV, Central locking system			
Radio	Radio, Radio			
Safety	AB 3, Airbag			

Caravelle T4 2.4 Syncro Diesel [1992-1998], engine: AAB

Safety	AB 3, Airbag		
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MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



Safety

AB 3, Airbag



Safety

AB I, Airbag



Caravelle T4 2.5 TDI [1995-2003], engine: ACV

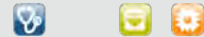
HVAC (Heating, Ventilating and Air Conditioning)

A/C, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



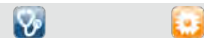
HVAC (Heating, Ventilating and Air Conditioning)

CU, Climate control



Electronic module

CAN Bus, Communication interfaz



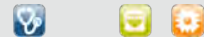
Electronic module

Navigation System, Browser



Electronic module

ZV, Central locking system



Radio

Radio, Radio



Safety

AB 3, Airbag



Safety

AB II, Airbag



Caravelle T4 2.5 TDI [1998-2000], engine: AHY

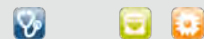
HVAC (Heating, Ventilating and Air Conditioning)

A/C, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



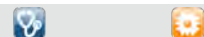
HVAC (Heating, Ventilating and Air Conditioning)

CU, Climate control



Electronic module

CAN Bus, Communication interfaz



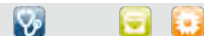
Electronic module

Navigation System, Browser



Electronic module

ZV, Central locking system



Radio

Radio, Radio



Safety

AB 3, Airbag



Safety

AB III, Airbag



Caravelle T4 2.5 TDI [1998-2003], engine: AJT

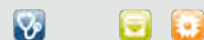
HVAC (Heating, Ventilating and Air Conditioning)

A/C, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



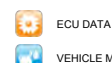
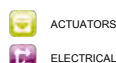
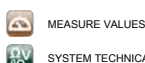
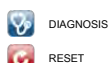
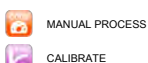
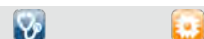
HVAC (Heating, Ventilating and Air Conditioning)

CU, Climate control



Electronic module

CAN Bus, Communication interfaz



MANUAL PROCESS

DIAGNOSIS

MEASURE VALUES

ACTUATORS

ECU DATA

PARAMETERIZE

CALIBRATE

RESET

SYSTEM TECHNICAL DATA

ELECTRICAL SCHEME

VEHICLE MAINTENANCE

TECHNICAL DATA



Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				

Caravelle T4 2.5 TDI [1999-2003], engine: AUF

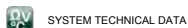
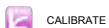
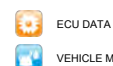
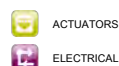
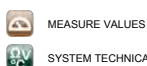
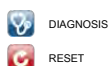
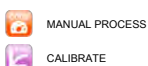
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Caravelle T4 2.5 TDI [2000-2003], engine: AXG

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Caravelle T4 2.5 TDI [2001-2003], engine: AYC

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				





Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Caravelle T4 2.5 TDI [2001-2003], engine: AYY

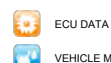
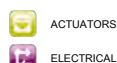
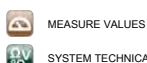
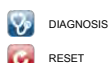
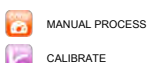
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Caravelle T4 2.5 TDI Syncro [1998-2003], engine: ACV

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				

Caravelle T4 2.5 TDI Syncro [2001-2003], engine: AXL

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				





Radio Radio, Radio



Safety AB 3, Airbag

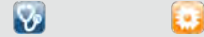


Caravelle T5 1.9 TDI [2003-2009], engine: AXB

Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U1 - 5.44/5.5, Electronic Diesel Control



Engine EDC 16U1, Electronic Diesel Control



Safety AB 5, Airbag



Safety AB 6, Airbag

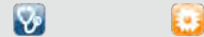


Caravelle T5 1.9 TDI [2003-2009], engine: AXC

Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U1 - 5.44/5.5, Electronic Diesel Control



Engine EDC 16U1, Electronic Diesel Control



Safety AB 5, Airbag



Safety AB 6, Airbag

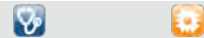


Caravelle T5 1.9 TDI [2006-2009], engine: BRR

Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U31, Electronic Diesel Control



Safety AB 6, Airbag

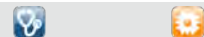


Caravelle T5 1.9 TDI [2006-2009], engine: BRS

Central computer BC 2.0, Body computer



Electronic module CAN Bus, Communication interfaz



Engine EDC 16U31, Electronic Diesel Control



Safety AB 6, Airbag



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

HVAC (Heating, Ventilating and Air Conditioning) CU 3.0, Climate control



Instrument cluster INS 4.0, Instrument cluster



Electronic module Gateway 3.0, Gateway



Radio Audio 3.0, Audio system

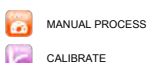


Safety AB 10U, Airbag

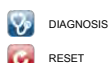


Caravelle T5 2.0 TDI [2009-...], engine: CAAB

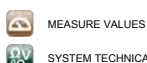
HVAC (Heating, Ventilating and Air Conditioning) CU 3.0, Climate control



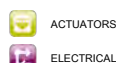
MANUAL PROCESS



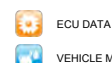
DIAGNOSIS



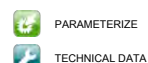
MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Instrument cluster	INS 4.0, Instrument cluster	
Electronic module	Gateway 3.0, Gateway	
Radio	Audio 3.0, Audio system	
Safety	AB 10U, Airbag	

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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control	
Instrument cluster	INS 4.0, Instrument cluster	
Electronic module	Gateway 3.0, Gateway	
Radio	Audio 3.0, Audio system	
Safety	AB 10U, Airbag	

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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control	
Instrument cluster	INS 4.0, Instrument cluster	
Electronic module	Gateway 3.0, Gateway	
Radio	Audio 3.0, Audio system	
Safety	AB 10U, Airbag	

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

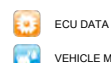
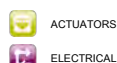
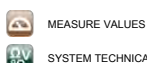
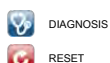
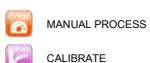
HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control	
Instrument cluster	INS 4.0, Instrument cluster	
Electronic module	Gateway 3.0, Gateway	
Radio	Audio 3.0, Audio system	
Safety	AB 10U, Airbag	

Caravelle T5 2.5 TDI [2003-2009], engine: AXE

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U1 - 5.44/5.5, Electronic Diesel Control	
Engine	EDC 16U1, Electronic Diesel Control	
Safety	AB 5, Airbag	
Safety	AB 6, Airbag	

Caravelle T5 2.5 TDI [2003-2009], engine: BLJ

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U1 - 5.44/5.5, Electronic Diesel Control	





Engine	EDC 16U1, Electronic Diesel Control	
Safety	AB 5, Airbag	
Safety	AB 6, Airbag	

Caravelle T5 2.5 TDI [2006-2009], engine: BPC

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U31, Electronic Diesel Control	
Safety	AB 6, Airbag	

Caravelle T5 2.5 TDI [2003-2009], engine: AXD

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U1 - 5.44/5.5, Electronic Diesel Control	
Engine	EDC 16U1, Electronic Diesel Control	
Safety	AB 5, Airbag	
Safety	AB 6, Airbag	

Caravelle T5 2.5 TDI [2006-2009], engine: BNZ

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U31, Electronic Diesel Control	
Safety	AB 6, Airbag	

Caravelle T5 2.5 TDI 4 Motion [2004-2009], engine: AXD

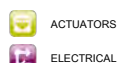
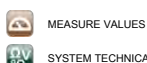
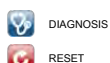
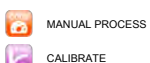
Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U1 - 5.44/5.5, Electronic Diesel Control	
Engine	EDC 16U1, Electronic Diesel Control	
Safety	AB 5, Airbag	
Safety	AB 6, Airbag	

Caravelle T5 2.5 TDI 4 Motion [2004-2009], engine: AXE

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U1 - 5.44/5.5, Electronic Diesel Control	
Engine	EDC 16U1, Electronic Diesel Control	
Safety	AB 5, Airbag	
Safety	AB 6, Airbag	

Caravelle T5 2.5 TDI 4 Motion [2006-2009], engine: BNZ

Central computer	BC 2.0, Body computer	
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Electronic module	CAN Bus, Communication interfaz		
Engine	EDC 16U31, Electronic Diesel Control		
Safety	AB 6, Airbag		

Caravelle T5 2.5 TDI 4 Motion [2006-2009], engine: BPC

Central computer	BC 2.0, Body computer	
Electronic module	CAN Bus, Communication interfaz	
Engine	EDC 16U31, Electronic Diesel Control	
Safety	AB 6, Airbag	

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

Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	

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

Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	

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

Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	

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

Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	

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

Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	

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

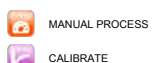
Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	

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

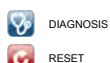
Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	

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

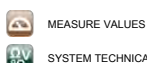
Maintenance	Service 3.2, Maintenance system	
Engine	EDC 16CP34, Electronic Diesel Control	



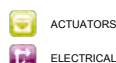
MANUAL PROCESS



DIAGNOSIS



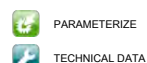
MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



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



Maintenance Service 3.2, Maintenance system



Engine EDC 16CP34, Electronic Diesel Control



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



Maintenance Service 3.2, Maintenance system



Engine EDC 16CP34, Electronic Diesel Control



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



Maintenance Service 3.2, Maintenance system



Engine EDC 16CP34, Electronic Diesel Control



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

Maintenance Service 3.2, Maintenance system



LT 28 2.5 SDI [1996-2001], engine: AGX

Safety AB 6.3, Airbag



LT 28 2.5 TDI [1996-1999], engine: AHD

Safety AB 6.3, Airbag



LT 28 2.5 TDI [1999-2001], engine: APA

Safety AB 6.3, Airbag



LT 28 2.5 TDI [1999-2006], engine: ANJ

Safety AB 6.3, Airbag



LT 28 2.8 TD [1997-1998], engine: AGK

Safety AB 6.3, Airbag



LT 35 2.5 SDI [1996-2001], engine: AGX

Safety AB 6.3, Airbag



LT 35 2.5 TDI [1996-1999], engine: AHD

Safety AB 6.3, Airbag



LT 35 2.5 TDI [1999-2001], engine: APA

Safety AB 6.3, Airbag

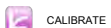
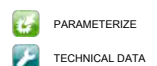
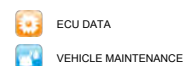
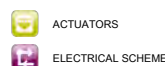
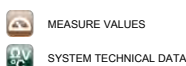
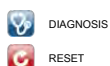
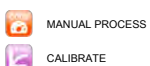


LT 35 2.5 TDI [1999-2006], engine: ANJ

Safety AB 6.3, Airbag



LT 35 2.8 TD [1997-1998], engine: AGK





Safety

AB 6.3, Airbag



LT 46 2.5 SDI [1996-2001], engine: AGX

Safety

AB 6.3, Airbag



LT 46 2.5 TDI [1996-1999], engine: AHD

Safety

AB 6.3, Airbag



LT 46 2.5 TDI [1999-2001], engine: APA

Safety

AB 6.3, Airbag



LT 46 2.5 TDI [1999-2006], engine: ANJ

Safety

AB 6.3, Airbag



LT 46 2.8 TD [1997-1998], engine: AGK

Safety

AB 6.3, Airbag



Multivan T4 1.9 Diesel [1990-1997], engine: 1X

HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



Safety

AB 3, Airbag



Safety

AB I, Airbag



Multivan T4 1.9 Diesel Turbo [1992-2003], engine: ABL

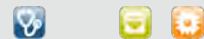
HVAC (Heating, Ventilating and Air Conditioning)

A/C, Climate control



HVAC (Heating, Ventilating and Air Conditioning)

CU 1.0, Climate control



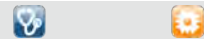
HVAC (Heating, Ventilating and Air Conditioning)

CU, Climate control



Electronic module

CAN Bus, Communication interfaz



Electronic module

Navigation System, Browser



Electronic module

ZV, Central locking system



Radio

Radio, Radio



Safety

AB 3, Airbag



Safety

AB II, Airbag



Multivan T4 2.4 Diesel [1990-1998], engine: AAB

Safety

AB 3, Airbag

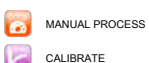


Safety

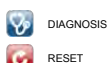
AB II, Airbag



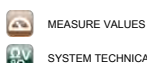
Multivan T4 2.4 Diesel [1997-2003], engine: AJA



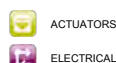
MANUAL PROCESS



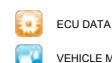
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Multivan T4 2.4 Syncro Diesel [1992-1998], engine: AAB

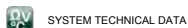
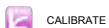
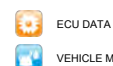
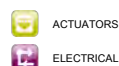
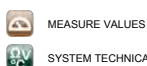
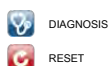
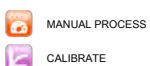
Safety	AB 3, Airbag				
Safety	AB I, Airbag				

Multivan T4 2.5 TDI [1995-2003], engine: ACV

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Multivan T4 2.5 TDI [1998-2000], engine: AHY

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				





Safety

AB III, Airbag



Multivan T4 2.5 TDI [1998-2003], engine: AJT

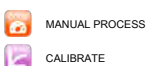
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				

Multivan T4 2.5 TDI [1999-2003], engine: AUF

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Multivan T4 2.5 TDI [2000-2003], engine: AXG

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Multivan T4 2.5 TDI [2001-2003], engine: AYC

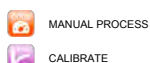
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Multivan T4 2.5 TDI [2001-2003], engine: AYY

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Multivan T4 2.5 TDI Syncro [1998-2003], engine: ACV

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Multivan T4 2.5 TDI Syncro [2001-2003], engine: AXL

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					
Safety	AB 3, Airbag					

Multivan T5 1.9 TDI [2003-2009], engine: AXC

Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					
Safety	AB 6, Airbag					

Multivan T5 1.9 TDI [2006-2009], engine: BRR

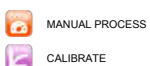
Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U31, Electronic Diesel Control					
Safety	AB 6, Airbag					

Multivan T5 1.9 TDI [2006-2009], engine: BRS

Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U31, Electronic Diesel Control					
Safety	AB 6, Airbag					

Multivan T5 1.9 TDI [2003-2009], engine: AXB

Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					
Safety	AB 6, Airbag					



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

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

HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

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

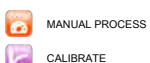
HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

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

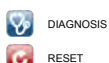
HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

Multivan T5 2.5 TDI [2003-2009], engine: AXD

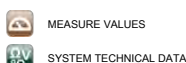
Gearbox	GS 09G/K/M, Automatic gearbox					
Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					
Safety	AB 6, Airbag					



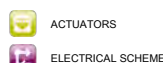
MANUAL PROCESS



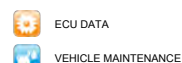
DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Multivan T5 2.5 TDI [2003-2009], engine: AXE

Gearbox	GS 09G/K/M, Automatic gearbox								
Central computer	BC 2.0, Body computer								
Electronic module	CAN Bus, Communication interfaz								
Engine	EDC 16U1, Electronic Diesel Control								
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control								
Safety	AB 5, Airbag								
Safety	AB 6, Airbag								

Multivan T5 2.5 TDI [2003-2009], engine: BLJ

Central computer	BC 2.0, Body computer								
Electronic module	CAN Bus, Communication interfaz								
Engine	EDC 16U1, Electronic Diesel Control								
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control								
Safety	AB 5, Airbag								
Safety	AB 6, Airbag								

Multivan T5 2.5 TDI [2006-2009], engine: BNZ

Central computer	BC 2.0, Body computer									
Electronic module	CAN Bus, Communication interfaz									
Engine	EDC 16U31, Electronic Diesel Control									
Safety	AB 6, Airbag									

Multivan T5 2.5 TDI [2006-2009], engine: BPC

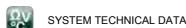
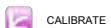
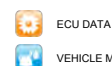
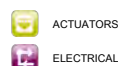
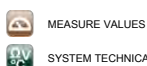
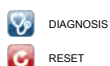
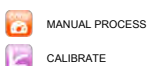
Central computer	BC 2.0, Body computer									
Electronic module	CAN Bus, Communication interfaz									
Engine	EDC 16U31, Electronic Diesel Control									
Safety	AB 6, Airbag									

Multivan T5 2.5 TDI 4 Motion [2004-2009], engine: AXD

Gearbox	GS 09G/K/M, Automatic gearbox								
Central computer	BC 2.0, Body computer								
Electronic module	CAN Bus, Communication interfaz								
Engine	EDC 16U1, Electronic Diesel Control								
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control								
Safety	AB 5, Airbag								
Safety	AB 6, Airbag								

Multivan T5 2.5 TDI 4 Motion [2004-2009], engine: AXE

Gearbox	GS 09G/K/M, Automatic gearbox					
Central computer	BC 2.0, Body computer					





Electronic module	CAN Bus, Communication interfaz									
Engine	EDC 16U1, Electronic Diesel Control									
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control									
Safety	AB 5, Airbag									
Safety	AB 6, Airbag									

Multivan T5 2.5 TDI 4 Motion [2006-2009], engine: BPC

Central computer	BC 2.0, Body computer										
Electronic module	CAN Bus, Communication interfaz										
Engine	EDC 16U31, Electronic Diesel Control										
Safety	AB 6, Airbag										

Multivan T5 2.5 TDI 4 Motion [2006-2009], engine: BNZ

Central computer	BC 2.0, Body computer										
Electronic module	CAN Bus, Communication interfaz										
Engine	EDC 16U31, Electronic Diesel Control										
Safety	AB 6, Airbag										

Transporter T4 1.9 Diesel [1990-1997], engine: 1X

Electronic module	CAN Bus, Communication interfaz									
Electronic module	Navigation System, Browser									
Radio	Radio, Radio									
Safety	AB 3, Airbag									
Safety	AB I, Airbag									

Transporter T4 1.9 Diesel Turbo [1992-2003], engine: ABL

Electronic module	CAN Bus, Communication interfaz									
Electronic module	Navigation System, Browser									
Radio	Radio, Radio									
Safety	AB 3, Airbag									
Safety	AB I, Airbag									

Transporter T4 2.4 Diesel [1990-1998], engine: AAB

HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control							
Electronic module	CAN Bus, Communication interfaz							
Electronic module	Navigation System, Browser							
Radio	Radio, Radio							
Safety	AB 3, Airbag							
Safety	AB III, Airbag							

Transporter T4 2.4 Diesel [1997-2003], engine: AJA

MANUAL PROCESS		DIAGNOSIS		MEASURE VALUES		ACTUATORS		ECU DATA		PARAMETERIZE	
CALIBRATE		RESET		SYSTEM TECHNICAL DATA		ELECTRICAL SCHEME		VEHICLE MAINTENANCE		TECHNICAL DATA	



HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					
Safety	AB 3, Airbag					
Safety	AB III, Airbag					

Transporter T4 2.4 Syncro Diesel [1992-1998], engine: AAB

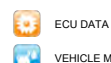
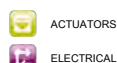
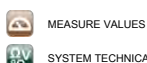
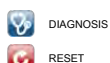
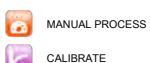
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Radio	Radio, Radio					
Safety	AB 3, Airbag					
Safety	AB III, Airbag					

Transporter T4 2.5 TDI [1995-2003], engine: ACV

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					
Safety	AB 3, Airbag					
Safety	AB III, Airbag					

Transporter T4 2.5 TDI [1998-2000], engine: AHY

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	CAN Bus, Communication interfaz					
Electronic module	Navigation System, Browser					





Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Transporter T4 2.5 TDI [1998-2003], engine: AJT

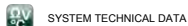
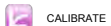
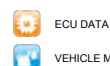
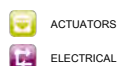
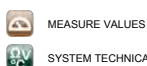
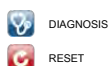
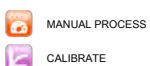
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				

Transporter T4 2.5 TDI [1999-2003], engine: AUF

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				

Transporter T4 2.5 TDI [2000-2003], engine: AXG

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				





Transporter T4 2.5 TDI [2001-2003], engine: AYC

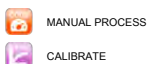
HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Transporter T4 2.5 TDI [2001-2003], engine: AYY

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				

Transporter T4 2.5 TDI Syncro [1998-2003], engine: ACV

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control				
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control				
Electronic module	CAN Bus, Communication interfaz				
Electronic module	Navigation System, Browser				
Electronic module	ZV, Central locking system				
Radio	Radio, Radio				
Safety	AB 3, Airbag				
Safety	AB III, Airbag				



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



Transporter T4 2.5 TDI Syncro [2001-2003], engine: AXL

HVAC (Heating, Ventilating and Air Conditioning)	A/C, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 1.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU, Climate control					
Electronic module	ZV, Central locking system					
Radio	Radio, Radio					
Safety	AB 3, Airbag					

Transporter T5 1.9 TDI [2003-2009], engine: AXB

Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					
Safety	AB 6, Airbag					

Transporter T5 1.9 TDI [2003-2009], engine: AXC

Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U1, Electronic Diesel Control					
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control					
Safety	AB 5, Airbag					
Safety	AB 6, Airbag					

Transporter T5 1.9 TDI [2006-2009], engine: BRR

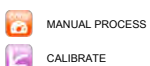
Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U31, Electronic Diesel Control					
Safety	AB 6, Airbag					

Transporter T5 1.9 TDI [2006-2009], engine: BRS

Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U31, Electronic Diesel Control					
Safety	AB 6, Airbag					

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

Central computer	BC 2.0, Body computer					
Electronic module	CAN Bus, Communication interfaz					
Engine	EDC 16U31, Electronic Diesel Control					
Safety	AB 6, Airbag					



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



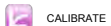
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

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

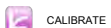
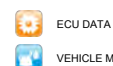
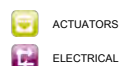
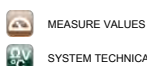
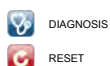
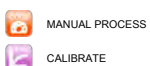
HVAC (Heating, Ventilating and Air Conditioning)	CU 2.1, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 4.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Maintenance	Service 4.0, Maintenance system					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

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

HVAC (Heating, Ventilating and Air Conditioning)	CU 2.1, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 4.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					
Maintenance	Service 4.0, Maintenance system					
Electronic module	Gateway 3.0, Gateway					
Radio	Audio 3.0, Audio system					
Safety	AB 10U, Airbag					

Transporter T5 2.0 TDI [2009-...], engine: CCHA

HVAC (Heating, Ventilating and Air Conditioning)	CU 2.1, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 3.0, Climate control					
HVAC (Heating, Ventilating and Air Conditioning)	CU 4.0, Climate control					
Instrument cluster	INS 4.0, Instrument cluster					





Maintenance	Service 4.0, Maintenance system			
Electronic module	Gateway 3.0, Gateway			
Radio	Audio 3.0, Audio system			
Safety	AB 10U, Airbag			

Transporter T5 2.5 TDI [2003-2009], engine: AXD

Gearbox	GS 09G/K/M, Automatic gearbox			
Central computer	BC 2.0, Body computer			
Electronic module	CAN Bus, Communication interfaz			
Engine	EDC 16U1, Electronic Diesel Control			
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control			
Safety	AB 5, Airbag			
Safety	AB 6, Airbag			

Transporter T5 2.5 TDI [2003-2009], engine: AXE

Gearbox	GS 09G/K/M, Automatic gearbox			
Central computer	BC 2.0, Body computer			
Electronic module	CAN Bus, Communication interfaz			
Engine	EDC 16U1, Electronic Diesel Control			
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control			
Safety	AB 5, Airbag			
Safety	AB 6, Airbag			

Transporter T5 2.5 TDI [2003-2009], engine: BLJ

Gearbox	GS 09G/K/M, Automatic gearbox			
Central computer	BC 2.0, Body computer			
Electronic module	CAN Bus, Communication interfaz			
Engine	EDC 16U1, Electronic Diesel Control			
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control			
Safety	AB 5, Airbag			
Safety	AB 6, Airbag			

Transporter T5 2.5 TDI [2004-2009], engine: AXE

Gearbox	GS 09G/K/M, Automatic gearbox			
Central computer	BC 2.0, Body computer			
Electronic module	CAN Bus, Communication interfaz			
Engine	EDC 16U1, Electronic Diesel Control			
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control			
Safety	AB 5, Airbag			
Safety	AB 6, Airbag			

Transporter T5 2.5 TDI [2006-2009], engine: BNZ

MANUAL PROCESS	DIAGNOSIS	MEASURE VALUES	ACTUATORS	ECU DATA	PARAMETERIZE
CALIBRATE	RESET	SYSTEM TECHNICAL DATA	ELECTRICAL SCHEME	VEHICLE MAINTENANCE	TECHNICAL DATA



Gearbox	GS 09G/K/M, Automatic gearbox							
Central computer	BC 2.0, Body computer							
Electronic module	CAN Bus, Communication interfaz							
Engine	EDC 16U31, Electronic Diesel Control							
Safety	AB 6, Airbag							

Transporter T5 2.5 TDI [2006-2009], engine: BPC

Gearbox	GS 09G/K/M, Automatic gearbox							
Central computer	BC 2.0, Body computer							
Electronic module	CAN Bus, Communication interfaz							
Engine	EDC 16U31, Electronic Diesel Control							
Safety	AB 6, Airbag							

Transporter T5 2.5 TDI 4 Motion [2004-2009], engine: AXD

Gearbox	GS 09G/K/M, Automatic gearbox						
Central computer	BC 2.0, Body computer						
Electronic module	CAN Bus, Communication interfaz						
Engine	EDC 16U1, Electronic Diesel Control						
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control						
Safety	AB 5, Airbag						
Safety	AB 6, Airbag						

Transporter T5 2.5 TDI 4 Motion [2004-2009], engine: AXE

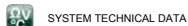
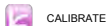
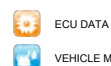
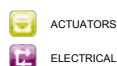
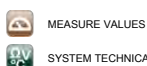
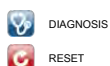
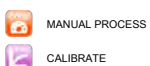
Gearbox	GS 09G/K/M, Automatic gearbox						
Central computer	BC 2.0, Body computer						
Electronic module	CAN Bus, Communication interfaz						
Engine	EDC 16U1, Electronic Diesel Control						
Engine	EDC 16U1-5.44/-5.5, Electronic Diesel Control						
Safety	AB 5, Airbag						
Safety	AB 6, Airbag						

Transporter T5 2.5 TDI 4 Motion [2006-2009], engine: BNZ

Gearbox	GS 09G/K/M, Automatic gearbox							
Central computer	BC 2.0, Body computer							
Electronic module	CAN Bus, Communication interfaz							
Engine	EDC 16U31, Electronic Diesel Control							
Safety	AB 6, Airbag							

Transporter T5 2.5 TDI 4 Motion [2006-2009], engine: BPC

Gearbox	GS 09G/K/M, Automatic gearbox				
Central computer	BC 2.0, Body computer				
Electronic module	CAN Bus, Communication interfaz				





Engine

EDC 16U31, Electronic Diesel Control



Safety

AB 6, Airbag





GMK 3050

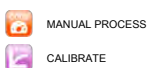
Central computer	ADM, Vehicle management computer							
Engine	MR / PLD, Pump-Pipe-Injector with electronic diesel control							

GMK 5220

Engine	MR / PLD, Pump-Pipe-Injector with electronic diesel control			
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GMK 7450

Gearbox	Allison 3000/4000 4th gen (SAE J1939), Gearbox management system								
Central computer	ADM, Vehicle management computer								
Engine	MR / PLD, Pump-Pipe-Injector with electronic diesel control								



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

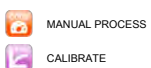


7226

Brakes	ABS/ASR E, Antilock braking system					
Engine	EDC MS6.2, Engine managment system, pump-injectors					

VTLM LINCE, engine: M65E 19WM

Brakes	ABS 2X, Antilock braking system	
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MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



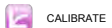
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE

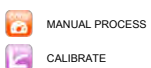


TECHNICAL DATA



LTM 1030

Gearbox	ECOMAT 1, Automatic gearbox		
Brakes	ABS D, Antilock braking system		
Engine	MR / PLD, Pump-Pipe-Injector with electronic diesel control		



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

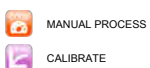


Vamtac Rebeco

Gearbox	Allison 1000/2000 4th gen (SAE J1939), Gearbox management system										
Brakes	HABS D, Anti-lock hydraulic braking system										
Engine	EDC Steyr, Engine managment system, pump-injectors										

Vamtac S3

Gearbox	Allison 1000/2000 4th gen (SAE J1939), Gearbox management system										
Brakes	HABS D, Anti-lock hydraulic braking system										
Engine	EDC Steyr, Engine managment system, pump-injectors										



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE

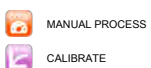


TECHNICAL DATA



MB ENGINE

Engine	MR/PLD (4L & 6L cylinder), Pump-Pipe-Injector with electronic diesel control			
Engine	MR/PLD (6V & 8V cylinder), Pump-Pipe-Injector with electronic diesel control			



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



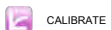
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



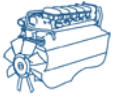
ELECTRICAL SCHEME



VEHICLE MAINTENANCE

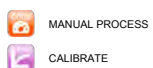


TECHNICAL DATA



Caterpillar

Engine	ECM 3126, Engine control system					
Engine	ECM 3176, Engine control system					
Engine	ECM 3406, Engine control system					
Engine	ECM C-10, Engine control system					
Engine	ECM C-13, Engine Control System					
Engine	ECM C-15, Engine control system					
Engine	ECM C-16, Engine control system					
Engine	ECM C-7, Engine control system					



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



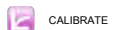
ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



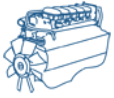
ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA



ISB



Engine	ISB 6.7 CM2250, Engine control system	
Engine	ISB CM2150D SAE J1939, Engine control system	
Engine	ISB CM2150E SAE J1939, Engine control system	
Engine	ISB CM850 SAE J1939, Engine management system	
Engine	ISB4.5 /6.7 - ISD 4.5/6.7 CM2150 SN, Engine control system	
Engine	ISBe Euro4/5 CM2150 SAE J1708, Engine control system	
Engine	ISBe4 (4 & 6 cylinder) CM850 SAE J1708, Engine control system	
Engine	ISC - ISL - ISB CM2250, Engine control system	

ISC

Engine	ISC - ISL - ISB CM2250, Engine control system	
Engine	ISC 8.3 CM2250 SAE J1939, Engine control system	
Engine	ISC CM2150D, Engine control system	

ISD

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

ISF

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	ISFe3 CM2220, Engine control system	

ISL



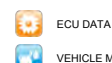
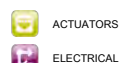
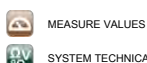
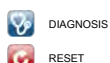
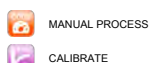
Engine	ISC - ISL - ISB CM2250, Engine control system	
Engine	ISDe -ISLe CM2150, Engine control system	
Engine	ISL CM2150D, Engine control system	
Engine	ISL G CM2180A, Engine control system	
Engine	ISL9 CM2250, Engine control system	
Engine	ISLe CM2150C, Engine control system	
Engine	ISLe4.5 / 5 CM2150, Engine control system	

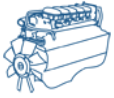
ISM



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

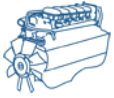
Engine	ISX /ISZ13 CM2150 SN, Engine control system	
Engine	ISZ CM2150D, Engine control system	

QSB

Engine	QSB3.3 CM2150D, Engine control system	
Engine	QSB6.7 CM2250, Engine control system	

QSL

Engine	QSL9 CM2250, Engine control system	
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MB

Engine	EDC Detroit Diesel MBE 4000 SAE J1939, Engine control system								
Engine	EDC Detroit Diesel MBE 900 SAE J1939, Engine Control System								

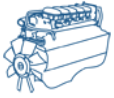


Tector

Engine

EDC 7, Electronic diesel control, injection rail

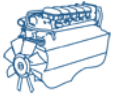




MB

Generic

Central computer	FR, Electronic gear shift regulation			
Engine	MR / PLD (4L & 6L 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





MWM

Acteon 6.12TCE

Engine

EDC 7, Diesel injection control, injection rail





MX

Engine

PMCI, Multi-Controlled Injection

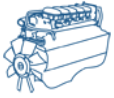


PX - 6

Engine

PX - 6 Engine SAE J1939, Engine control system





D11F

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission	
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit	
Instrument cluster	INS, Instrument cluster	
Engine	ECM (Engine Control Module) V2, Engine management system	
Multiplex	CIM (Chassis Interface Module), Instrument cluster	

D11H

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission	
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit	
Instrument cluster	INS, Instrument cluster	
Engine	ECM (Engine Control Module) V2, Engine management system	
Multiplex	CIM (Chassis Interface Module), Instrument cluster	

D12

Engine	ECM (Engine Control Module) Vectro I, Engine management system	
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D12A

Engine	ECM (Engine Control Module) Vectro I, Engine management system	
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D12B

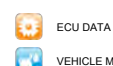
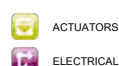
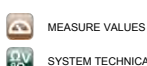
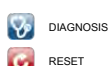
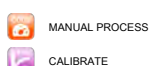
Central computer	VCM (Vehicle Control Module), Vehicle Electronic Control Unit	
Engine	ECM (Engine Control Module) Vectro II, Engine management system	

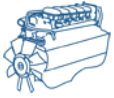
D12C

Central computer	VCM (Vehicle Control Module), Vehicle Electronic Control Unit	
Engine	ECM (Engine Control Module) Vectro II, Engine management system	

D12D

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission	
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit	
Instrument cluster	INS, Instrument cluster	
Engine	ECM (Engine Control Module) Vectro III, Engine management system	
Multiplex	CIM (Chassis Interface Module), Instrument cluster	





D13B

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission						
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit						
Instrument cluster	INS, Instrument cluster						
Engine	ECM (Engine Control Module) V2, Engine management system						
Multiplex	CIM (Chassis Interface Module), Instrument cluster						

D13F

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission						
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit						
Instrument cluster	INS, Instrument cluster						
Engine	ECM (Engine Control Module) V2, Engine management system						
Multiplex	CIM (Chassis Interface Module), Instrument cluster						

D13H

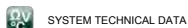
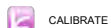
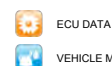
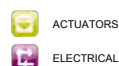
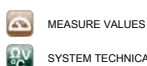
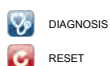
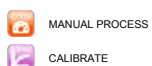
Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission						
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit						
Instrument cluster	INS, Instrument cluster						
Engine	ECM (Engine Control Module) V2, Engine management system						
Multiplex	CIM (Chassis Interface Module), Instrument cluster						

D16D

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission						
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit						
Instrument cluster	INS, Instrument cluster						
Engine	ECM (Engine Control Module) V2, Engine management system						
Multiplex	CIM (Chassis Interface Module), Instrument cluster						

D16F

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission						
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit						
Instrument cluster	INS, Instrument cluster						
Engine	ECM (Engine Control Module) V2, Engine management system						
Multiplex	CIM (Chassis Interface Module), Instrument cluster						





D16H

Gearbox	TCM (Transmission Control Module) I-Shift V2, Transmission						
Central computer	VCM (Vehicle Control Module) V2, Vehicle Electronic Control Unit						
Instrument cluster	INS, Instrument cluster						
Engine	ECM (Engine Control Module) V2, Engine management system						
Multiplex	CIM (Chassis Interface Module), Instrument cluster						

D7

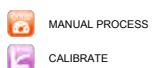
Engine	ECM (Engine Control Module) Vectro I, Engine management system						
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D7A

Engine	ECM (Engine Control Module) Vectro I, Engine management system						
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D7C

Central computer	VCM (Vehicle Control Module), Vehicle Electronic Control Unit						
Engine	ECM (Engine Control Module) Vectro II, Engine management system						



MANUAL PROCESS



DIAGNOSIS



MEASURE VALUES



ACTUATORS



ECU DATA



PARAMETERIZE



CALIBRATE



RESET



SYSTEM TECHNICAL DATA



ELECTRICAL SCHEME



VEHICLE MAINTENANCE



TECHNICAL DATA

TECHNICAL RELEASES

- MAN. Adaptive Cruise Control (ACC).
- Troubleshooting. Error: Incorrect response from the mechanical system / mechanical error.
- Troubleshooting. Error: Defective unit or component.
- Troubleshooting. Error: Valid data, but below normal operational range.
- Troubleshooting. Error: Valid data but higher than the normal operational range.
- Troubleshooting. Error: Low tension or short circuit to a lower tension.
- Troubleshooting. Error: Short circuit to positive or power supply.
- Troubleshooting. Error: Short circuit to ground.
- Troubleshooting. Error: Current too low or open circuit.
- Troubleshooting. Error: Incorrect or intermittent data.
- Volvo Trucks. Particulate filter regeneration.
- Mack Trucks. Regeneration of the particulate filter.
- General indications about AdBlue
- Troubleshooting. Error: Values out of calibration or unadjusted component (values out of range).

INTERACTIVE RELEASES

- Electronic architecture of Iveco Stralis communications bus
- Electronic architecture of communications bus DAF LF45 IV and LF55 IV
- Electronic architecture of communications bus Renault Magnum Dxi and Premium Dxi (Euro 4/5)
- Electronic architecture of communications bus Mercedes Actros 2,3
- Electronic architecture of communications bus Scania Series R, P and G
- Electronic architecture of the communications bus DAF XF105 and CF85 IV
- Electronic architecture of the communications bus Volvo V2
- Electronic architecture of MAN TGA communication bus
- Electronic architecture of Renault Midlum Dxi and Kerax Dxi communications bus