

Diagnostic List Volvo_v8.51

Remark:

1. ✓ : means that the system has this function
2. - : means that the system does not have this function
3. compared with the last version, the new added function is marked in red color.

Model	System Types	Function				
		Version info.	Read DTC	Clear DTC	Read data stream	Remarks(Other Functions)
Volvo(J1708)	Volvo Trucks	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression, Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing, Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the Instrument calibration function
						Some models support the VGT calibration function
Volvo(J1708)	Volvo Construction Equipment	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression, Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing, Test
						Some models support the Actuation Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the VGT calibration function
						Some models support the Instrument calibration function
Volvo(J1708)	Volvo Buses	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression, Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing, Test
						Some models support the Actuation Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the VGT calibration function
						Some models support the Instrument calibration function
Volvo(J1708)	Volvo OEM Component Customer	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression, Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing, Test
						Some models support the Actuation Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the VGT calibration function
						Some models support the Instrument calibration function

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		Version info.	Read DTC	Clear DTC	Read data stream	Remarks(Other Functions)
Volvo(J1708)	Renault Trucks	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression,Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing,Test
						Some models support the Actuation Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the VGT calibration function
						Some models support the Instrument calibration function
Volvo(J1708)	Shandong Lingong Construction Machinery Co.,Ltd	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression,Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing,Test
						Some models support the Actuation Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the VGT calibration function
						Some models support the Instrument calibration function
Volvo(J1708)	UD Trucks	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression,Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing,Test
						Some models support the Actuation Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the VGT calibration function
						Some models support the Instrument calibration function
Volvo(J1708)	Mack Trucks	✓	✓	✓	✓	Some models support the injectors shut off functions
						Some models support the Learned Data Reset
						Some models support the Cylinder Compression,Test
						Some models support the Oil Pressure Test(During Cranking)
						Some models support the Cylinder Balancing,Test
						Some models support the Actuation Test
						Some models support the Parameter.Programming
						Some models support the Actuation Test of TECU and Brake ECU
						Some models support the VGT calibration function
						Some models support the Instrument calibration function

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		Version info.	Read DTC	Clear DTC	Read data stream	Remarks(Other Functions)
Volvo(500K)	Engine Management System	✓	✓	✓	✓	Some models support the Actuation Test and special feature. Parameter. Programming
	Aftertreatment Control Module	✓	✓	✓	✓	Some models support the Actuation Test and special feature
	Transmission ECU	✓	✓	✓	✓	Some models support the Actuation Test/Gearbox, clutch, engagement point calibration. Parameter. Programming
	Rear Chassis I/O Module	✓	✓	✓	✓	Level sensor calibration, Parameter. Programming
	Center Chassis I/O Module	✓	✓	✓	✓	Parameter. Programming
	Front Chassis I/O Module	✓	✓	✓	✓	Parameter. Programming
	Body Builder Input Output Module	✓	✓	✓	✓	
	Air Pressure Management	✓	✓	✓	✓	Some action testing and advanced features, Parameter. Programming
	Vehicle Master Control Unit	✓	✓	✓	✓	Service Alert System, Configuration and Reports, Parameter. Programming Service Alert System, Configuration and Reports(UD Trucks)
	Integrated Electronic Control Unit	✓	✓	✓	✓	Parameter. Programming
	Tire Pressure Management	✓	✓	✓	✓	
	Antilock Brake System	✓	✓	✓	✓	
	Electronic Brake System	✓	✓	✓	✓	Some action testing and advanced features, Parameter. Programming
	Front Axle Steering	✓	✓	✓	✓	Active steering calibration
	Front Active Steering Gateway	✓	✓	✓	✓	
	Cab I/O Module	✓	✓	✓	✓	Parameter. Programming
	LIN Interface Module	✓	✓	✓	✓	
	Security Cab Interface Module	✓	✓	✓	✓	
	Telematics GateWay	✓	✓	✓	✓	
	Telematics ECU	✓	✓	✓	✓	
	Driver Assistance Control Unit	✓	✓	✓	✓	Parameter. Programming
	Lane Position and Object Sensor	✓	✓	✓	✓	
	Forward Looking Sensor	✓	✓	✓	✓	
	Safety Restraint System	✓	✓	✓	✓	
	Human-Machine Interface I/O Module	✓	✓	✓	✓	Parameter. Programming
	Instrument Cluster	✓	✓	✓	✓	Parameter. Programming
	Instrument Cluster Graphics	✓	✓	✓	✓	
	Secondary Information Display	✓	✓	✓	✓	Parameter. Programming
	VideoSwitch	✓	✓	✓	✓	Parameter. Programming
	Audio	✓	✓	✓	✓	
Services and Entertainment Module	✓	✓	✓	✓		
Radio Entertainment Module	✓	✓	✓	✓		
Climate Control Module	✓	✓	✓	✓	Parameter. Programming	

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Volvo (500K)	Passenger Door Module	✓	✓	✓	✓	Parameter. Programming
	Driver Door Module	✓	✓	✓	✓	Parameter. Programming
	Living Environment Control Module	✓	✓	✓	✓	Parameter. Programming
	Alarm ECU	✓	✓	✓	✓	
	Body Builder Module	✓	✓	✓	✓	Parameter. Programming
	Generic Gateway ECU	✓	✓	✓	✓	
	Digital Tacho DTCO	✓	✓	✓	✓	
	Analog Tacho MTCO	✓	✓	✓	✓	
	Node name for TSU - Tacho Simulator Unit - 27.3 to be	✓	✓	✓	✓	
	MTCO1390 - Analog Tachograph for Brazil to differentiate	✓	✓	✓	✓	
	Wireless Remote Gateway	✓	✓	✓	✓	
	Bending Light ECU	✓	✓	✓	✓	
	Hybrid Powertrain Control Unit	✓	✓	✓	✓	
	Power Generator Control Module	✓	✓	✓	✓	
	Power Resistor Control Module	✓	✓	✓	✓	
	Extra Axle Steering	✓	✓	✓	✓	
	Clear Air Power ECU	✓	✓	✓	✓	
	Battery Control Module	✓	✓	✓	✓	
	Human Machine Interface Control Unit	✓	✓	✓	✓	
	Human Machine Interface Control Unit 2	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Unit 1	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Unit 2	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Unit 3	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Unit 4	✓	✓	✓	✓	
	General Purpose Machine Electronic Control Unit 5	✓	✓	✓	✓	
	Interceptor Control Module	✓	✓	✓	✓	
	Traction Battery Control Module	✓	✓	✓	✓	
	Traction Battery Control Module #2	✓	✓	✓	✓	
	Traction Battery Control Module #3	✓	✓	✓	✓	
	Traction Battery Control Module #4	✓	✓	✓	✓	
	Charging Interface Control Unit	✓	✓	✓	✓	
	On-board Charger Control Unit	✓	✓	✓	✓	
	Combined Charging system Control Module	✓	✓	✓	✓	
	OCCU2 - On-board Charger Control Unit 2	✓	✓	✓	✓	
	OCCU3 - On-board Charger Control Unit 3	✓	✓	✓	✓	
	OCCU4 - On-board Charger Control Unit 4	✓	✓	✓	✓	
	Powertrain Control Module #1	✓	✓	✓	✓	
	Powertrain Control Module #2	✓	✓	✓	✓	
	Powertrain Control Module #3	✓	✓	✓	✓	
	Powertrain Control Unit	✓	✓	✓	✓	

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Volvo (500K)	Motor Control Unit #1	✓	✓	✓	✓	
	Motor Control Unit #2	✓	✓	✓	✓	
	Motor Control Unit #3	✓	✓	✓	✓	
	Motor Control Unit #4	✓	✓	✓	✓	
	Front Left Motor Control Module	✓	✓	✓	✓	
	Front Right Motor Control Module	✓	✓	✓	✓	
	Rear Left Motor Control Module	✓	✓	✓	✓	
	Rear Right Motor Control Module	✓	✓	✓	✓	
	Shut Down Module	✓	✓	✓	✓	
	Glare Free Headlamp Control Module 1 (Right)	✓	✓	✓	✓	
	Glare Free Headlamp Control Module 2 (Left)	✓	✓	✓	✓	
	Battery Power Management Unit	✓	✓	✓	✓	
	Engine Control Module	✓	✓	✓	✓	
	Aftertreatment Control Module	✓	✓	✓	✓	
	Turntable Module	✓	✓	✓	✓	
	Transcoder	✓	✓	✓	✓	
	Technology Development ECU	✓	✓	✓	✓	
	Image Processing Module	✓	✓	✓	✓	
	Helm Control Unit	✓	✓	✓	✓	
	Steering Unit for IPS10	✓	✓	✓	✓	
	Steering Control Module	✓	✓	✓	✓	
	Thruster Control Module	✓	✓	✓	✓	
	CAN Controlled Joystick 1	✓	✓	✓	✓	
	CAN Controlled Joystick 2	✓	✓	✓	✓	
	Energy Storage Control Module	✓	✓	✓	✓	
	Traction Voltage Monitoring Unit	✓	✓	✓	✓	
	Small General Purpose Machine Electronic Control Unit	✓	✓	✓	✓	
	Small General Purpose Machine Electronic Control Unit	✓	✓	✓	✓	
	Small General Purpose Machine Electronic Control Unit	✓	✓	✓	✓	
	Small General Purpose Machine Electronic Control Unit	✓	✓	✓	✓	
Small General Purpose Machine Electronic Control Unit	✓	✓	✓	✓		