

Diagnostic List Volvo_v8.31

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 | | | | | Remarks(Other Functions) |
|--------------|------------------------------|---------------|----------|-----------|------------------|--|--------------------------|
| | | Version info. | Read DTC | Clear DTC | Read data stream | | |
| 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 | |
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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 |
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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 | ✓ | ✓ | ✓ | ✓ | |
| | 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 | ✓ | ✓ | ✓ | ✓ | | |