

# VOLVO V13.91 Function List

**Note:**

✓ Functions marked with ✓ is fully supported.								
MENU	System	ECU Info	Read Fault Code	Clear Fault Code	Live Data	Active Test	Special Func	Param Programming
Volvo (J1708)	MID_128 - Engine ECU	✓	✓	✓	✓	001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031	075, 076	Some models support
	MID_130 - Transmission ECU	✓	✓	✓	✓	032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044	077, 078, 079, 080, 081, 082, 083	Some models support
	MID_136 - Brake ECU	✓	✓	✓	✓	045, 046, 047, 048, 049, 050	084, 085, 086, 087, 088	Some models support
	MID_140 - Information display	✓	✓	✓	✓	051, 052	089, 090, 091, 092	Some models support
	MID_142 - Road Connect	✓	✓	✓	✓	093		Some models support
	MID_144 - Vehicle ECU	✓	✓	✓	✓	053, 054, 055, 056, 057, 058, 059, 060	094, 095	Some models support
	MID_150 - Air Suspension.vehicle	✓	✓	✓	✓	061, 062, 063	096, 097	Some models support
	MID_184 - Rear axle steering	✓	✓	✓	✓	064	098	Some models support
	MID_216 - Outer Lighting Control Unit (LCM)	✓	✓	✓	✓	065		Some models support
	MID_222 - Retarder ECU	✓	✓	✓	✓	066, 067		Some models support
	MID_223 - Gear Selector ECU	✓	✓	✓	✓	068		Some models support
	MID_233 - Aftertreatment Control Module	✓	✓	✓	✓	069, 070, 071, 072, 073, 074	099, 100	Some models support
	Other MID System	✓	✓	✓	✓			Some models support

Volvo (CAN)	Engine Management System	✓	✓	✓	✓	101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128	165, 166, 167, 168, 169, 170, 168	
	Aftertreatment Control Module	✓	✓	✓	✓	129, 130, 131, 132, 133, 134	171, 172	
	Transmission ECU	✓	✓	✓	✓	135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146	173, 174, 175, 168, 176, 168	
	Rear Chassis I/O Module	✓	✓	✓	✓		177, 168	
	Center Chassis I/O Module	✓	✓	✓	✓		168	
	Front Chassis I/O Module	✓	✓	✓	✓		168	
	Air Pressure Management	✓	✓	✓	✓	147, 148	178, 168	
	Vehicle Master Control Unit	✓	✓	✓	✓	149, 150, 151, 152	179, 180, 168	
	Integrated Electronic Control Unit	✓	✓	✓	✓		168	
	Electronic Brake System	✓	✓	✓	✓	153, 154, 155, 156, 157	181, 182, 183, 184, 168	
	Front Axle Steering	✓	✓	✓	✓		185	
	Cab I/O Module	✓	✓	✓	✓	158, 159, 160	168	
	Driver Assistance Control Unit	✓	✓	✓	✓		168	
	Human-Machine Interface I/O Module	✓	✓	✓	✓	161, 162, 163	168	
	Instrument Cluster	✓	✓	✓	✓	164	168	
	Secondary Information Display	✓	✓	✓	✓		168	

VideoSwitch	✓	✓	✓	✓		168	
Climate Control Module	✓	✓	✓	✓		168	
Passenger Door Module	✓	✓	✓	✓		168	
Driver Door Module	✓	✓	✓	✓		168	
Living Environment Control Module	✓	✓	✓	✓		168	
Body Builder Module	✓	✓	✓	✓		168	
Other CANBUS System	✓	✓	✓	✓			

Function Name Table	
001	Injector Cut Out, Manual
002	Injector Cut Out, Manual (Volvo Buses B7FB)
003	Injector Cut Out, Manual (Volvo VM Trucks)
004	Cylinder Compression, Test
005	Cylinder Compression, Test (Volvo Buses B7FB)
006	Cylinder Compression, Test (Volvo VM Trucks)
007	Learned Data Reset
008	Oil Pressure Test (During Cranking)
009	Cylinder Balancing, Test
010	Engine Run-up, Test (Volvo Buses B7FB)
011	Draining Water in the Fuel, Test
012	Engine Brake Function, Test
013	Diesel Particulate Filter Service Regeneration
014	Warm-Hold Function Test
015	Exhaust Aftertreatment Diagnostics
016	Variable Geometry Turbo Function Test
017	Function Monitoring Parameters, Reset
018	SCR, Diesel Exhaust Fluid, Crystal Sublimation
019	Actuator By-Pass Valve, Test
020	Exhaust Aftertreatment System Logged Data
021	Electrically Controlled Engine Cooling Fan (FC), Test
022	Exhaust Gas Recirculation, Function Test

023	Fuel Supply Pressure, Check
024	Fuel Consumption, Check
025	Power Consuming Equipment, Fuel Volume, Check
026	Test Drive, Response
027	Preheat, Test
028	Sensor Values History
029	Boost Pressure, Test Drive
030	Intake and Exhaust Systems, Checks
031	Sensor Values, Monitoring
032	Transmission Speed Sensor, Test
033	Oil Sensor Signals, Test
034	Vehicle Inclination Sensor, Test
035	Clutch Wear Check Test
036	Clutch Drag, Test
037	Range Cylinder, Test
038	Split Cylinder, Test
039	Gear Selector Cylinder 2/3, Test
040	Gear Selector Cylinder 1/Reverse, Test
041	PWM valves clutch test
042	Solenoid valves test
043	Gears, Test
044	40010-3-Clutch Cylinder test
045	Activate ABS valve test
046	Brake pads test
047	ESP Function Switching On and Off Test
048	TCS Function Shut off Test
049	Solenoid control valves ABS test
050	Foot brake valve test
051	Gauge Checks, Instrument Cluster
052	Instrument Cluster, Test
053	Accelerator Pedal, Test
054	Control Auxiliary Brake Test
055	Air Dryer Solenoid Valves Test
056	Ignition Switch Test
057	Cruise control test
058	Idle Shutdown Function Check
059	Pneumatic System Status
060	17073-3-Service Alert System, Configuration and Reports
061	Pressure Sensor, Test
062	Level Sensor Test
063	Solenoid Valves, Test
064	Rear axle steering control valve test

065	Intermittent Wiper Test
066	Pressure Setting Retarder Test
067	PWM Valve Retarder, Test
068	Gear selector test
069	SCR System, Test
070	SCR System, Test (Volvo VM Truck)
071	SCR System Drain, Test
072	SCR System Drain, Test (Volvo VM Truck)
073	Diesel Particulate Filter Service Regeneration (Volvo Construction Equipment L70G)
074	Reset soot and ash load (Volvo Construction Equipment L70G)
075	Variable Geometry Turbo, Calibration
076	Variable Geometry Turbo, Calibration (Mack Truck)
077	Clutch Wear Check Test
078	40010-3-Clutch Cylinder test
079	40070-3-Transmission and Clutch, Pulling Position, Calibration (VOLVO FL Truck)
080	40070-3-Transmission and Clutch, Pulling Position, Calibration
081	40084-3-Clutch Stroke Length and Wear, Calibration
082	40104-3-Transmission, Calibration
083	40053-3-Clutch Engagement Point, Calibration
084	50007-3-Brake pad wear sensor front axle, calibration
085	50018-3-Brake pad wear sensor rear axle, calibration
086	59358-3-Steering angle sensor, calibration
087	59361-3-Steering yaw rate, calibration
088	59377-3-Reinitiate learned parameters, calibration
089	38252-3-Fuel level gauge, calibration
090	38253-3-Oil pressure gauge, calibration
091	38254-3-Coolant temperature gauge, calibration
092	38255-3-Intake manifold pressure gauge, calibration
093	Telematics control unit, reset (Volvo Construction Equipment)
094	17073-3-Service Alert System, Configuration and Reports
095	56185-3-Air Dryer Setting Resetting, Calibration
096	72911-3-Level sensor, calibration (one axle)
097	72881-3-Level sensor, calibration
098	64235-3-Steering Angle Sensor, Steering Gear/Hydraulic Cylinder, Calibrating
099	2589-07-03-02-SCR SCRT Freeze Monitor, Calibration
100	25833-03-SCR, SCRT Freeze Monitor, Calibration (Volvo VM Truck)
101	Fuel pressure
102	Fuel consumption, checks
103	Fuel consumption data
104	Engine protection data
105	Accelerator pedal
106	Injector cut out, manual

107	Injector Function
108	Cylinder balancing
109	Cylinder compression
110	Draining Water in the Fuel
111	Oil pressure test(during cranking)
112	Boost pressure, test drive
113	Response, test drive
114	Response, exhaust pressure
115	Intake and Exhaust system, checks
116	Warm hold function
117	Actuator bypass valve
118	Engine brake function
119	Exhaust Gas Recirculation Function
120	Piston cooling valve
121	Exhaust Aftertreatment System, Service Regeneration
122	Nox conversion
123	Exhaust Aftertreatment Diagnostics
124	Cylinder balancing reset
125	Variable Geometry Turbo Function
126	Aftertreatment diagnostic active test
127	After-treatment fuel injector dosing test(extended)
128	After-treatment fuel injector dosing test(reduced)
129	Retarder control valve
130	Retarder PWM valve
131	SCR system
132	SCR system drain
133	SCR system, forced heating
134	Aftertreatment selective catalytic reduction(SCR) system
135	Clutch wear checks
136	Clutch Drag
137	PWM Valves Clutch Activation
138	Solenoid valve, transmission brake(Input shaft brakeCountershaft brake)
139	Clutch cylinder
140	Range cylinder
141	Split cylinder
142	Gear selector cylinder 2/3
143	Gear selector cylinder 1/Reverse
144	PWM valves clutch
145	Transmission speed sensor
146	Pressure sensor
147	APM status
148	Pneumatic system status

149	Idle Shutdown Function Check
150	Service Alert System,Configuration and Reports
151	Service Alert System,Configuration and Reports(UD Trucks)
152	Starting gear selection,readout
153	Brake Pads
154	Start ABS valve,test
155	Rear wheels control valve
156	Wheel speed sensor
157	ECU, electronically controlled hydraulic axle input/output status
158	Flexible switches
159	Anti theft alarm
160	Key counting
161	Wiper Lever
162	Control panel
163	Gear selector
164	Instrument cluster
165	Injector Codes
166	Function parameters reset
167	Idle Speed and Vehicle Speed Limit
168	Parameter.Programming
169	Injector Codes
170	Function Parameters Reset
171	SCR Freeze Monitor
172	Retarder valve calibration
173	40070-3 Gearbox,clutch,engagement point calibration
174	40104-3 Gearbox calibration
175	40105-3 Gearbox calibration (Gearbox removed)
176	Gearbox,clutch,engagement point calibration
177	Level sensor calibration
178	Compressor calibration
179	Air dryer calibration
180	Rain sensor calibration
181	Reinitialize the read parameters
182	Steering angle sensor calibration
183	Yaw rate sensor calibration
184	Rear axle active steering calibration
185	Active steering calibration