

MID 128 fault code guide - Electronic engine control unit

Volvo trucks PDF manuals

Volvo PID fault codes

Number of faults	Designation of malfunction	FMI	Fault description
PID 21	Fan of engine, rotation speed	3	High voltage contact EECU EA6. Circuit plus, or a short circuit at a high voltage.
		8	Abnormal pace data. Value (frequency, width or period) pulse-width modulation is incorrect.
PID 26	Calculated as a percentage of the engine cooling fan speed.	3	High voltage contacts electronic engine control unit. Circuit plus, or a short circuit at a high voltage.
		8	Abnormal pace data. Value (frequency, width or period) pulse-width modulation is incorrect.
PID 27	Sensor Exhaust Gas Recirculation (EGR) cooler 1	3	EECU voltage contact EB24 exceed 4.65 in. Circuit plus, or a short circuit at a high voltage. Reduced power. EGR closed.
		5	EECU voltage contact EB24 below 0.14 b. ECU engine sees no signal open circuit signal circuit.Reduced power, EGR closed.
		7	ECU engine registers the mechanical malfunction of the EGR valve. Problems opening the valve.
		12	ECU engine registers the mechanical malfunction of the EGR valve. Problem with the closure of the EGR valve
PID 45	Air heater before starting.	3	Voltage on pin ECU of the engine is higher than the value in 5. Circuit plus, or a short circuit at a high voltage. Difficult start in cold weather.
		4	Voltage on pin ECU of the engine below the value 4 c. low voltage circuit between the relays and ECU, short-circuit on the chain with a lower voltage.
		5	Voltage on pin ECU engine below 0.14 in. Open circuit, the output is disabled.
PID 49	ABS (anti-lock brake system).	9	ABS electronic control unit is unable to verify the State of the system. A malfunction in the electronic control unit or a problem in the data transmission channel.
PID 81	Diesel particulate filter pressure comparison.	0	Data checksum is calculated correctly, but the values above the norm.
		2	

		3 5 12	Data checksum cannot be calculated or is incorrect, because the interrupt signal. High voltage contact the EECU. Circuit plus, or a short circuit at a high voltage. Low voltage at the contact of the EECU. The current is below normal, breakage in circuits. The place has a mechanical failure of the component.
PID 84	The speed of the vehicle is in motion.	9	The electronic control unit VECU is unable to verify the State of the system. A malfunction in the electronic control unit or a problem in the data transmission channel.
PID 85	Adaptive cruise control.	9	Electronic control unit, ACC is unable to verify the State of the system. A malfunction in the electronic control unit or a problem in the data transmission channel.
PID 91	Accelerator pedal position, as a percentage.	9	The electronic control unit VECU is unable to verify the State of the system. A malfunction in the electronic control unit or a problem in the data transmission channel.
PID 94	The pressure in the fuel system of the vehicle.	1 3 5 7	Data checksum is calculated correctly, but the tabular values below standards. EECU high voltage, contact EB 16 voltage above 4.75 b. circuit plus, or a short circuit at a high voltage. EECU low voltage, contact EB 16 voltage below 0.3 b. power cable Breakage. The pressure in the fuel system of the vehicle, below the table-value.
PID 97	The presence of water in fuel indicator.	3 4	EECU high voltage, contact EB8 voltage above 91% of battery voltage. Circuit plus, or a short circuit at a high voltage. EECU low voltage, contact EB8 voltage below 5% of battery voltage. Low voltage circuit between the indicator and the ECU, short-circuit on the chain with a lower voltage.
PID 98	Oil gauge in the car's engine.	1 4 5	Data checksum is calculated correctly, but the tabular values below standards. EECU low voltage, contact EB8 voltage below 0.5. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU, contact EB8. Power cable breakage.

PID 100	Engine oil pressure indicator car.	1 3 5	Data checksum is calculated correctly, but the tabular values below standards. EECU high voltage, contact EB 11 voltage above 4.75 in. short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on the EECU, contact EB11. Power cable breakage.
PID 102	Boost pressure indication in the car's engine.	0 2 3 5	Data checksum is calculated correctly, but the values above the norm. Data checksum cannot be calculated or is incorrect, because the interrupt signal. EECU high voltage, contact EA 22 voltage above 4.75 in. short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on the EECU, contact EA22. Power cable breakage.
PID 103	Indication of rotational speed of turbocharger in the car's engine.	0 1 9 11	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. The electronic control unit VECU is unable to verify the State of the system. A malfunction in the electronic control unit or a problem in the data transmission channel. Readout signal of rotational speed of turbocharger is completely missing. Damaged or defective wiring component itself.
PID 105	Charge air temperature readout in the car's engine.	2 4 5 10	Data checksum cannot be calculated or is incorrect, because the interrupt signal. EECU low voltage, contact EA22 voltage below 0.02. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU, contact EA22. Power cable breakage. The place has a mechanical or electrical malfunction of the charge air temperature sensor.
PID 107	The indication of the pressure on the air filter in the engine of the car.	0 3 4 5	Data checksum is calculated correctly, but the values above the norm. EECU high voltage, contact EB 31 voltage exceeds 91% battery voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage.

			EECU low voltage, contact EB 31 voltage below the 2.15. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on contact EECU EB 31. Power cable breakage.
108 PID	Indication of atmospheric pressure in the car's engine.	2 3 4	Data checksum cannot be calculated or is incorrect, due to interruption of the signal. EECU high voltage, voltage exceeds 4.95 in. short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage, a voltage of less than 0.08 in. Low voltage circuit, a short circuit on the circuit with a lower voltage.
PID 110	The temperature of the coolant in the engine of the car.	0 4 5	Data checksum is calculated correctly, but the values above the norm. EECU low voltage, contact EB 27 voltage below 0.12 in. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU, contact EB 27. Power cable breakage.
PID 111	Indication of the level of the coolant in the engine of the car.	1 3	Data checksum is calculated correctly, but the tabular values below standards. EECU high voltage, contact EB 23 voltage exceeds 90% battery voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage.
PID 131	Indication of exhaust back pressure in the car's engine.	2 3 4 5 7 10	Data checksum cannot be calculated or is incorrect, because the interrupt signal. EECU high voltage, voltage exceeds 90% battery voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage, a voltage of less than 0.12 in. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage. Indication of exhaust back pressure in the engine of the car, below the table-value. The place has a mechanical or electrical malfunction the exhaust back pressure sensor.
PID 153	Crankcase pressure indicator in the engine of the car.	0 2 3	Data checksum is calculated correctly, but the values above the norm. Data checksum cannot be calculated or is incorrect, because the interrupt signal.

		5	EECU high voltage, contact EB 28 voltage exceeds 4.75 in. short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on contact EECU EB 28. Power cable breakage.
PID 158	Indication of voltage at the battery.	3 4	EECU high voltage, voltage exceeds 36 b. alternator fault, battery cables. EECU low voltage, voltage below 6.4. trouble in the generator, battery and cables.
PID 163	Progress indication range transmission.	0 1	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
PID 164	Pressure display running car engine injection.	2 4 5	Data checksum cannot be calculated or is incorrect, because the interrupt signal. EECU low voltage, a voltage of less than 0.12 in. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PID 171	The temperature of external air into the engine of the car.	9	The electronic control unit the EECU is unable to verify the State of the system. A malfunction in the electronic control unit or a problem in the data transmission channel.
PID 172	Inlet air temperature readout.	3 4	EECU high voltage, contact EB 3 voltage exceeds 4.85 in. short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage, contact EB 3 voltage below 0.08 in. Low voltage circuit, a short circuit on the circuit with a lower voltage.
PID 173	Indication of the temperature of exhaust gases in the propulsion system of the vehicle.	0 4 5	Data checksum is calculated correctly, but the values above the norm. EECU low voltage, contact EA 13 voltage below 0.04 in. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on contact EECU EA 13. Power cable breakage.
PID 175	Engine oil temperature readout the car.	0 4 5	Data checksum is calculated correctly, but the values above the norm. EECU low voltage, contact EB 3 voltage below 0.12 in. Low voltage circuit, a short circuit on the circuit with a lower voltage.

			Low current on contact EECU EB 3. Power cable breakage.
PID 177	The temperature readout gearbox oil car.	0	Data checksum is calculated correctly, but the values above the norm.
PID 190	Frequency of rotation of the engine in the car.	0	Data checksum is calculated correctly, but the values above the norm.
PID 224	Electronic immobilizer car.	2 12	Data checksum cannot be calculated or is incorrect, due to interruption of the signal. The place has a mechanical failure of the component.
PID 228	Vehicle speed sensor calibration.	11	Vehicle speed sensor calibration is not available. Damaged or defective wiring component itself.
PID 245	Indication of total mileage.	9	The electronic control unit Instrument Cluster cannot check the status of your system. A malfunction in the electronic control unit or a problem in the data transmission channel.
PID 251	Line connection SAE J1708	9	The pace and frequency of updates, are wrong.
PID 252	Line connection SAE J1708	9	The pace and frequency of updates, are wrong.
PID 404	Indication of the temperature at the outlet of turbonagnetelja in the engine of the car.	0	Data checksum is calculated correctly, but the values above the norm.
PID 411	Indication of backpressure EGR system in a car engine.	3 5	EECU high voltage, contact EB 21 voltage exceeds 5.5. short circuit in the battery voltage, or electrical circuit with a higher voltage. Low current on contact EECU EB 21. Power cable breakage.
PID 412	The temperature of the exhaust gas recirculation cooler in the car's engine.	0 4 5 10	Data checksum is calculated correctly, but the values above the norm. EECU low voltage, contact EA 30 voltage below 0.04 in. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on contact, EECU EA 30. Power cable breakage. The temperature of the exhaust gas recirculation cooler in the car's engine, below tabular value.

Volvo SID fault codes

Number of faults	Designation of malfunction	FMI	Fault description
SID 1, 2, 3, 4, 5, 6	Indication of pump nozzles in the car's engine.	3 5 7 12 14	EECU high voltage, contact EA12, EA16, EA20, EA24, EA28, EA32, EA36, EA40, EA44, EA48, EA52, EA56 voltage exceeds 91% battery voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on the EECU, contact EA12, EA16, EA20, EA24, EA28, EA32, EA36, EA40, EA44, EA48, EA52, EA56. Power cable breakage. Indication of pump nozzles in the car's engine, a mechanical system does not react in the right way. The place has a mechanical failure of the component. Indication of pump nozzles in the engine car, special instructions.
SID 18	Solenoid valve, drain valve driver.	3 4 5	EECU high voltage, contact EA 3 voltage exceeds 5 b. short circuit the battery voltage, or electrical circuit with a higher voltage. EECU low voltage, contact EA 3 voltage below 0.5 b. low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on contact EECU EA 3 power cable Breakage.
SID 21	Sensor synchronization engine.	2 3 8	Data checksum cannot be calculated or is incorrect, due to interruption of the signal. EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Abnormal pace data. Value (frequency, width or period) pulse-width modulation is incorrect.
SID 22	Crankshaft rotation speed sensor in the engine of the car.	2 3 8	Data checksum cannot be calculated or is incorrect, due to interruption of the signal. EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Abnormal pace data. Value (frequency, width or period) pulse-width modulation is incorrect.
SID 27	Turbocharger with variable geometry.	2 4	Data checksum cannot be calculated or is incorrect, due to interruption of the signal.

		7 9 12 13	EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Turbocharger with variable geometry, mechanical system does not react in the right way. The pace and frequency of updates, are wrong. The place has a mechanical failure of the component. Turbocharger with variable geometry, the calibration data wrong.
SID 32	By-pass valve turbocharger.	3 4 5 7	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage. By-pass valve turbocharger system manual does not react in the right way.
SID 33	Fan control car.	3 4 5	EECU high voltage, the voltage on the contact EB 49 65% is greater than the battery voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage, voltage on pin EB 30% below 49 battery voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current, contact the EECU EB49. Power cable breakage.
SID 39	Starter relay engine.	0 3 5 7 10 14	Data checksum is calculated correctly, but the values above the norm. EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on the EECU. Power cable breakage. Starter relay car engine, the system does not react in the right way. The place has a mechanical or electrical malfunction of the Starter relay. Starter relay car engine, special instructions.
SID 42	The electronic control unit of engine fuel system of the vehicle.	3 4 5 6	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage. High current on the EECU. Short to Earth.

SID 70	Prestarting heater 1.	3 4 5	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
SID 71	Specifies the device to start the heater 2.	3 4 5	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
SID 78	Fuel pump engine.	4 5	EECU low voltage, contact EA19. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on contact, EECU EA19. power cable Breakage.
SID 85	Solenoid valve piston cooling.	3 4 5	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
SID 146	Solenoid valve exhaust gas recirculation cooler 1.	3 5 6 7 12 13	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on the EECU. Power cable breakage. High current on the EECU. Short to Earth. Solenoid valve exhaust gas recirculation cooler 1, the system does not react in the right way. The place has a mechanical failure of the component. Solenoid valve exhaust gas recirculation cooler 1, calibration data wrong.
SID 211	Power of the engine to the permanent 5.	3 4	EECU high voltage, the voltage on the contact EB 17 exceeds 5.5. short circuit in the battery voltage, or electrical circuit with a higher voltage. EECU low voltage, voltage on pin EB 18 below 4.5 in. Low voltage circuit, a short circuit on the circuit with a lower voltage.
SID 230	Switch idling car engine 1.	3 5	EECU high voltage, voltage on pin 15 is greater than 75% of EB battery voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on contact EECU EB 15. Power cable breakage.

SID 231	The line links SAE J1939	2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
SID 232	Power supply 5 volts DC.	3 4	EECU high voltage, voltage on pin EA7 exceeds 5.5. short circuit in the battery voltage, or electrical circuit with a higher voltage. EECU low voltage, the voltage on the contact below the 4.0 EA7. Low voltage circuit, a short circuit on the circuit with a lower voltage.
SID 240	Program memory electronic engine control unit.	2 7	Data checksum cannot be calculated or is incorrect, because the interrupt signal. Program memory electronic engine control unit, the system does not react in the right way. The wrong software.
SID 250	SAE J1587 news channel/1708.	12	Fault inside the electronic engine control unit.
SID 253	For the dataset, the chip EEPROM.	2 12 14	Data checksum cannot be calculated or is incorrect, because the interrupt signal. Fault inside the chip for the set of data EEPROM. For the dataset, the chip EEPROM, special instructions.
SID 254	Electronic engine control unit.	3 8 12	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Abnormal pace data. Value (frequency, width or period) pulse-width modulation is incorrect. The place has a mechanical failure of the component.

Volvo PPID fault codes

Number of faults	Designation of malfunction	FMI	Fault description
PPID 6	Readout sensor input signal ignition engine.	3 5	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. Low current on the EECU. Power cable breakage.
PPID 8	Indication of the cooling oil pressure Pistons in the engine of the car.	0 1 3 4 5	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage.

			EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 35	Weight indication EGR flow in the engine of the car.	0 1	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
PPID 41	Display transfer enabled.	0	Data checksum is calculated correctly, but the values above the norm.
PPID 55	Temperature display electronic control unit in the car's engine.	0 4 5	Data checksum is calculated correctly, but the values above the norm. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 67	The relay of the lower range of the gearbox.	9	The pace and frequency of updates, are wrong.
PPID 75	Solenoid valve block demultiplier.	3 4 5	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 85	Requested engine torque.	9	The pace and frequency of updates, are wrong.
PPID 89	Variable geometry turbocharger, high Intelligent drive remotely	0	Data checksum is calculated correctly, but the values above the norm.
PPID 109	Throttle EPG in the engine of the car.	3 4 5	EECU high voltage. A short circuit on the battery voltage, or electrical circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 122	Compression brakes work in the engine of the car.	1 3 4 5	Data checksum is calculated correctly, but the tabular values below standards. EECU high voltage, short circuit on the battery voltage contact EB 30, or circuit to circuit with higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage.

			Low current on the EECU. Power cable breakage.
PPID 123	Buffer block air vehicle.	3 4 5	EECU high voltage, short circuit EB 36 power, or circuit to circuit with higher voltage. EECU low voltage, short circuit on the mass contact EB36. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 124	Exhaust gas pressure regulator in the engine of the car.	3 4 5	EECU high voltage, short circuit EB 38 power, or circuit to circuit with higher voltage. EECU low voltage, short circuit on the mass contact EB 38. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU, contact EB 38. Power cable breakage.
PPID 270	NOX sensor in a bend of the car.	2 3 5 9 12 13 14	Data checksum cannot be calculated or is incorrect, because the interrupt signal. EECU high voltage. Circuit on the circuit with a higher voltage. Low current on the EECU. Power cable breakage. The pace and frequency of data updates, are wrong. NOX sensor in a bend of the car, the calibration incorrect. NOX sensor in the tube car, special instructions.
PPID 273	System of neutralisation of the fulfilled gases, pressure of urea.	1 2 4 5 7 13 14	Data checksum is calculated correctly, but the tabular values below standards. Data checksum cannot be calculated or is incorrect, due to interruption of the signal. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage. Pressure sensor not responding system of urea in the right way. The wrong software. Pressure sensor calibration values urea are wrong. Pressure sensor of urea, special instructions.
PPID 274	System of neutralisation of the fulfilled gases, temperature, urea.	0 1 4 5	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.

		8 14	Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage. The temperature sensor of urea, special instructions.
PPID 275	System of neutralisation of the fulfilled gases, the temperature of the filter.	0 1 2 4 5	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. Data checksum cannot be calculated or is incorrect, because the interrupt signal. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.
PPID 278	System of neutralisation of the fulfilled gases, the urea level.	1 3 5 13 14	Data checksum is calculated correctly, but the tabular values below standards. High voltage DECU. Circuit on the circuit with a higher voltage. Low current for DECU. Power cable breakage. Urea level sensor calibration values are wrong. Urea gauge, special instructions.
PPID 326	System of neutralisation of the fulfilled gases, soot levels.	0 11	Data checksum is calculated correctly, but the values above the norm. Soot level sensor calibration is not available. Damaged or defective wiring component itself.
PPID 328	System of neutralisation of the fulfilled gases, shut-off valve.	3 4 5 7 14	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage. Shut-off valve, the system does not react in the right way. The wrong software. Shut-off valve, special instructions.
PPID 329	System of neutralisation of the fulfilled gases, pump-injector.	2 3 4 5 14	Data checksum cannot be calculated or is incorrect, because the interrupt signal. High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.

			Low current for DECU. Power cable breakage. Pump-nozzle, special instructions.
PPID 330	Recycling valve the compressor in the engine of the car.	3 4 5 7	EECU high voltage. Circuit on the circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage. Recycling valve compressor, the system does not react in the right way. The wrong software.
PPID 333	Motor fan switch car.	3 4 5	EECU high voltage. Circuit on the circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 337	The level of ash content in diesel oil micro-particle filter in the engine of the car.	0	Data checksum is calculated correctly, but the values above the norm.
PPID 342	Car engine cooling pump.	3 4 5	EECU high voltage. Circuit on the circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 385	Electronic control system of neutralisation of the fulfilled gases.	3 4 12 14	EECU high voltage. Circuit on the circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. The place has a mechanical failure of the component. Electronic control system of neutralisation of the fulfilled gases, special instructions.
PPID 386	Exhaust gas temperature sensor no. 1 in a bend of the car.	2 4 5	Data checksum cannot be calculated or is incorrect, due to interruption of the signal. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 387	Exhaust gas temperature sensor no. 2 in socket of the vehicle.	2 4 5	Data checksum cannot be calculated or is incorrect, due to interruption of the signal.

			EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage.
PPID 435	Effective time of a car engine.	0 1	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
PPID 436	Exhaust gas temperature sensor no. 3 in socket of the vehicle.	2 4 5 10	Data checksum cannot be calculated or is incorrect, because the interrupt signal. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current on the EECU. Power cable breakage. The place has a mechanical or electrical malfunction of the temperature sensor. Too large fluctuations.
PPID 437	System of neutralisation of the fulfilled gases, fuel pressure sensor.	2 3 5 10	Data checksum cannot be calculated or is incorrect, because the interrupt signal. EECU high voltage. Circuit on the circuit with a higher voltage. Low current on the EECU. Power cable breakage. The place has a mechanical or electrical malfunction of the fuel pressure sensor. Too large fluctuations.

Volvo PSID fault codes

Number of faults	Designation of malfunction	FMI	Fault description
PSID 25	Neutralization of exhaust gases, air conditioning system.	0 7 17	Data checksum is calculated correctly, but the values above the norm. Neutralization of exhaust gases, air conditioning system, the system does not react in the right way. The wrong software. Neutralization of exhaust gases, air conditioning system, special instructions.
PSID 40	Neutralization of the exhaust gases, the poor quality of the reagent.	1 14	Data checksum is calculated correctly, but the tabular values below standards. Neutralization of exhaust gases, poor quality, special instructions.
PSID 41	Exhaust neutralization	1 14	Data checksum is calculated correctly, but the tabular values below standards.

	reagent consumption.		Exhaust neutralization reagent consumption, special instructions.
PSID 42	Neutralisation of the fulfilled gases, interruption of dosing.	14	Interruption of dosing, special instructions.
PSID 43	EGR information is incorrect.	2 14	Data checksum cannot be calculated or is incorrect, because the interrupt signal. Information from the EGR is incorrect, special instructions.
PSID 44	EGR no longer functions.	14	EGR no longer functions, special instructions.
PSID 45	Neutralization of exhaust gas NOX exceeded-the cause is unknown.	0 14	Data checksum is calculated correctly, but the values above the norm. NOX, special instructions.
PSID 46	NOX State no longer tracked.	2 14	Data checksum cannot be calculated or is incorrect, because the interrupt signal. NOX, special instructions.
PSID 47	The filter macro particles, restore.	0 1 12	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. The place has a mechanical failure of the component.
PSID 72	Thermostat, overflow valve.	0 1 3 4 7	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. EECU high voltage. Circuit on the circuit with a higher voltage. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Thermostat, valve, the system does not react in the right way. The wrong software.
75 PSID	Neutralisation of the fulfilled gases, heating valve tank with reagent.	3 4 5	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.

PSID 77	The electronic control unit of the vehicle security system, EEPROM.	3 4 12	VECU high voltage. Circuit on the circuit with a higher voltage. Low voltage VECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. The place has a mechanical failure of the component.
PSID 82	Neutralisation of the fulfilled gases, heating of the internal filter.	3 4 5	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.
PSID 84	Neutralisation of the fulfilled gases, 2 heater hose.	3 4 5	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.
PSID 85	Neutralization of the exhaust gases, the main relay DECU.	3 4 5 6	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage. High current on DECU. Short to Earth.
PSID 87	Neutralization of the exhaust gases, the speed of rotation of the motor.	0 1 10	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. The place has a mechanical or electrical malfunction of the electric motor of after-treatment. Too large fluctuations.
PSID 89	Neutralization of exhaust valve dosing.	3 4 5 7 10 14	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage. Dosing valve system does not react in the right way. The wrong software. The place has a mechanical or electrical malfunction of the dispensing valve. Too large fluctuations. Dosing valve, special instructions.

PSID 90	Neutralization of exhaust gas, reagent dispensing system.	1 11 14	Data checksum is calculated correctly, but the tabular values below standards. Calibration the reagent dosing system is missing. Damaged or defective wiring component itself. Reagent dosing system, special instructions.
PSID 91	Exhaust neutralization reagent consumption.	0 1	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
PSID 96	Pressure control system in the accumulator fuel.	0 1 4 7 12	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. The place has a mechanical failure of the component.
PSID 97	Pressure regulating valve.	0 7 11 14	Data checksum is calculated correctly, but the values above the norm. EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Calibration of the pressure reducing valve is missing. Damaged or defective wiring component itself. Pressure regulating valve, special instructions.
PSID 98	Turbocharger pressure in the system.	0 1	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
PSID 99	Catalytic converter diesel engine car.	7 13	EECU low voltage. Low voltage circuit, a short circuit on the circuit with a lower voltage. Catalytic converter diesel engine car, the calibration values are wrong.
PSID 101	Neutralisation of the fulfilled gases, cooling control valve.	3 4 5 7	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage. Cooling control valve does not react in the right way. The wrong software.

PSID 102	Neutralisation of the fulfilled gases, heated hose 3.	3 4 5	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.
PSID 103	Neutralisation of the fulfilled gases, heated hose 1.	3 4 5	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.
PSID 104	Neutralisation of the fulfilled gases, heated hose 4.	3 4 5	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.
PSID 105	Neutralization of exhaust valve direction of reagent.	3 4 5 7	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage. Cooling control valve does not react in the right way. The wrong software.
PSID 106	Neutralization of exhaust gas catalytic converter.	7 12	Catalytic converter does not react in the right way. The place has a mechanical failure of the component.
PSID 107	Neutralization of external heater exhaust filter.	3 4 5	High voltage DECU. Circuit on the circuit with a higher voltage. Low voltage DECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current for DECU. Power cable breakage.
PSID 108	Neutralization of exhaust gas fuel injection system.	7	Injection system does not react in the right way.
PSID 115	Neutralization of exhaust gases, an empty reagent tank.	1	Data checksum is calculated correctly, but the tabular values below standards.
PSID 161	Unable to read the VIN of the vehicle.	12	The place has a mechanical failure of the component.

PSID 162	I can't identify the VIN of the vehicle.	2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
PSID 201	MID 144, no communication.	9	The pace and frequency of data updates, are wrong.
PSID 202	MID 140, no communication.	9	The pace and frequency of data updates, are wrong.
PSID 204	MID 136, no communication.	9	The pace and frequency of data updates, are wrong.
PSID 205	MID 130, no communication.	9	The pace and frequency of data updates, are wrong.
PSID 206	MID 222, no communication.	9	The pace and frequency of data updates, are wrong.
PSID 211	MID 219, no communication.	9	The pace and frequency of data updates, are wrong.
PSID 214	MID 249, no communication.	9	The pace and frequency of data updates, are wrong.
PSID 229	MID 233, subnet 1, no communication.	9 11	The pace and frequency of data updates, are wrong. Calibration the reagent dosing system is missing.Damaged or defective wiring component itself.
PSID232	Control channel SAE 1939-1.	2	Data checksum is calculated correctly, but the tabular values below standards.