

MID 150 - Volvo Suspension fault codes

Volvo Trucks PDF Manuals

Volvo PID Fault Codes

Fault code	Designation of malfunction	FMI	Fault description
PID 152	Number of restart of the electronic control unit of pneumatic suspension of the car.	12	There is a possibility of a faulty component.

Volvo PPID Fault Codes

Fault code	Designation of malfunction	FMI	Fault description
PPID 111	E designation of car suspension.	7	Unexpected reaction of a mechanical system to the control signal.
		14	Unknown problem.

Volvo SID Fault Codes

Fault code	Designation of malfunction	FMI	Fault description
SID 1	Front axle solenoid valve on the right.		Low current contacts of the electronic block of ECS. Power cable breakage.
		5	High current contacts of the electronic block of ECS. Short to
		6	Earth.
		7	The solenoid valve, the system does not react in the right way.
SID 2	Front axle solenoid valve to the left.		Low current contacts of the electronic block of ECS. Power cable breakage.
		5	High current contacts of the electronic block of ECS. Short to
		6	Earth.
		7	The solenoid valve, the system does not react in the right way.
SID 3	Solenoid valve 2 axis on the right.		Low current contacts of the electronic block of ECS. Power cable breakage.
		5	High current contacts of the electronic block of ECS. Short to
		6	Earth.
		7	The solenoid valve, the system does not react in the right way.
4 SID	Solenoid valve 2 axis on the left.	5	Low current contacts of the electronic block of ECS. Power cable breakage.

		6 7	High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
SID 5	Solenoid valve 3 axis on the right.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
SID 6	Solenoid valve 3 axis on the left.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
SID 7	Solenoid valve average.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
SID 8	Block 2/axle lifting trolley.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
SID 10	Elevating the elastic element, the Office.		Low current contacts of the electronic block of ECS. Power cable breakage.

		5 6 7	High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
SID 16	Floor level sensor 1 axis on the right.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Level sensor, the system does not react in the right way.
SID 17	Floor level sensor 1 axis on the left.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Level sensor, the system does not react in the right way.
SID 18	Sex gauge 2 axis on the right.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Level sensor, the system does not react in the right way.
SID 19	Floor 2 level sensor to the left, to the left.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Level sensor, the system does not react in the right way.
SID 20	Floor level sensor 3 axis on the right.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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.

			Level sensor, the system does not react in the right way.
SID 21	Floor level sensor 3 axis on the left.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Level sensor, the system does not react in the right way.
SID 23	Pressure in the pneumatic cushion 1 axis on the right.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
SID 24	Pneumatic cushion pressure gauge 2 axis on the right.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
SID 25	Pneumatic cushion pressure gauge 2 axis on the left.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
SID 26	Pressure in the pneumatic cushion 3 axis on the right.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
SID 27	Pressure in the pneumatic cushion 3 axis on the left.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
SID 28	Lifting pressure sensor elastic element.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Level sensor, the system does not react in the right way.
SID 33	Remote control, remote access.	7	Level sensor, the system does not react in the right way.
SID 43	Average 3/2 solenoid valve 3 axis.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
SID 231	SAE J1939 control signal	2	Data checksum cannot be calculated or is incorrect, due to interruption of the signal.
SID 240	Program memory of the electronic control unit.	13	Program memory, calibration values are wrong.
SID 250	SAE J1708 signal information.	2	Data checksum cannot be calculated or is incorrect, due to interruption of the signal.
SID 253	Calibration data memory EEPROM of the electronic control unit of the car.	0 1 2 3 13 14	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. High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage.

			Car clutch cylinder position sensor, calibration values are wrong.
			Unknown problem.

Volvo PSID Fault Codes

Fault code.	Designation of malfunction	FMI	Fault description.
PSID 1	Car floor level sensor.	3 4	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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.
PSID 2	The pressure sensor of the car.	3 4	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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.
PSID 3	Power carts.	7	Switch, the system does not react in the right way.
PSID 4	Pressure sensor trailer, front right	3 4	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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 PSID	Pressure sensor trailer, front right.	3 4	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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.
PSID 6	Pressure sensor trailer, rear right.	3 4	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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.
PSID 7	Pressure sensor trailer, rear left.	3 4	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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.
8 PSID	EEPROM memory, load indicator.	13	Load indicator calibration values are wrong.
PSID 9	Solenoid valve triple axis.	5	Low current contacts of the electronic block of ECS. Power cable breakage.

		6 7	High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
10 PSID	Solenoid valve lift trolley.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
PSID 11	Average solenoid valve triple axis.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
12 PSID	Pressure sensor triple axis.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
PSID 13	The pressure sensor of the trolley lifting device.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
PSID 14	Power off the triple axis.	7	Switch, the system does not react in the right way.
15 PSID	Calibration memory EEPROM, Falim.	13	Falim calibration values are wrong.
PSID 16	Additional features of the switch, pneumatic suspension electronic control unit of the car.	7	The system does not react in the right way.

PSID 17	Floor level sensor Falim.	7	The system does not react in the right way.
PSID 19	Channel front axle air suspension car.	7	The system does not react in the right way.
PSID 20	Air suspension feed drive shaft on the left side of the car.	7	The system does not react in the right way.
PSID 21	Air suspension feed drive shaft on the right side of the car.	7	The system does not react in the right way.
PSID 22	Channel air suspension of the driving axle of the car.	7	The system does not react in the right way.
PSID 23	Channel extra air suspension axles of the vehicle.	7	The system does not react in the right way.
PSID 24	Channel air suspension lift trolley car.	7	The system does not react in the right way.
PSID 27	Solenoid valve 4 axis on the right side of the car.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
PSID 28	4 axis pressure sensor on the right side of the car.	3 4 7	High voltage Contact ECS. Circuit plus, or a short circuit at a high voltage. 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. Pressure sensor, the system does not react in the right way.
PSID 30	Solenoid valve high fourth axis of the car.	5 6 7	Low current contacts of the electronic block of ECS. Power cable breakage. High current contacts of the electronic block of ECS. Short to Earth. The solenoid valve, the system does not react in the right way.
PSID 32	Air suspension channel triple axis.	7	The system does not react in the right way.
200 PSID	Communication with the electronic engine control unit of the car is lost.	9	The pace and frequency of data updates, are wrong.
PSID 201	Communication with electronic control unit car lost.	9	The pace and frequency of data updates, are wrong.
PSID 202	Communication with electronic control unit dashboard lost.	9	The pace and frequency of data updates, are wrong.
PSID 204	Communication with electronic control unit unbraked vehicle lost.	9	The pace and frequency of data updates, are wrong.
PSID 206	Communication with electronic control unit fuse is lost.	9	The pace and frequency of data updates, are wrong.
PSID 210	Communication with external lighting electronic control unit is lost.	9	The pace and frequency of data updates, are wrong.

PSID 215	Communication with electronic control unit rear axles with electronic control lost.	9	The pace and frequency of data updates, are wrong.
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