

MID 130 Volvo Gear box fault codes

Volvo trucks PDF manuals

Volvo PID Fault Codes

Fault number.	Designation of malfunction.	FMI	Fault description.
PID 1	Encrypted transmission failure		
PID 31	The sensor is registering higher and lower the cylinder position in the gearbox casing demultiplier car.	3 5 6 13	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth. The sensor is registering higher and lower the cylinder position calibration values demultiplier wrong.
PID 32	The sensor is registering higher and lower the cylinder position divider in the housing of the gearbox of the vehicle.	3 5 6 13	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth. The sensor is registering higher and lower the cylinder position calibration values demultiplier wrong.
PID 33	Clutch cylinder position sensor car.	2 3 5 12 13	Data checksum cannot be calculated or is incorrect, because the interrupt signal. High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. The place has a mechanical failure of the component. Car clutch cylinder position sensor, calibration values are wrong.
36 PID	The current state of the drive clutch wear.	0	Data checksum is calculated correctly, but the values above the norm.
PID 37	Display of air pressure in the gearbox of the vehicle.	0 1 3 5	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage.
PID 59	Cylinder position sensor voter gear car.		
PID 60	Device side management position sensor in the gearbox of the vehicle.		
PID 62	Status indication retarder brakes of the car.		
PID 65	Status indication breaker brakes.	14	Status indication of the brake circuit breaker special instructions.
PID 93	Indication of the output torque of the car.		
PID 124	Indication of oil level in the gearbox of the vehicle.	0 1	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.

		3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		4	Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.
PID 127	Oil pressure indication in the gearbox of the vehicle.	1	Data checksum is calculated correctly, but the tabular values below standards.
		3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		5	Low current TECU. Power cable breakage.
PID 152	The amount of data received by the control unit.		
PID 158	The electronic control unit, power from the battery.	0	Data checksum is calculated correctly, but the values above the norm.
		1	Data checksum is calculated correctly, but the tabular values below standards.
PID 160	Drive shaft in the gearbox of the vehicle, the readout speed.	1	Data checksum is calculated correctly, but the tabular values below standards.
		2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
		3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		4	Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.
		5	Low current TECU. Power cable breakage.
PID 161	Transmission shafts in the gearbox of the vehicle, the readout speed.	1	Data checksum is calculated correctly, but the tabular values below standards.
		4	Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.
		5	Low current TECU. Power cable breakage.
PID 162	Display the selected range transmission car.		
PID 168	The electronic control unit, power from the battery.	0	Data checksum is calculated correctly, but the values above the norm.
		1	Data checksum is calculated correctly, but the tabular values below standards.
PID 177	The temperature readout gearbox oil car.	0	Data checksum is calculated correctly, but the values above the norm.
		4	Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.
		5	Low current TECU. Power cable breakage.
PID 190	Frequency of rotation of the crankshaft of the engine.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		4	Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.
		5	Low current TECU. Power cable breakage.
		6	High current on TECU. Short to Earth.
		8	Abnormal pace data. Value (frequency, width or period) pulse-width modulation is incorrect.
PID 191	Indication of rotational speed of secondary shaft in gearbox of the vehicle.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.

		4	Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.
		5	Low current TECU. Power cable breakage.
		6	High current on TECU. Short to Earth.
		8	Abnormal pace data. Value (frequency, width or period) pulse-width modulation is incorrect.

Volvo SID Fault Codes

Fault number.	Designation of malfunction.	FMI	Fault description.
SID 1	Check solenoid valve S1-transfer speeds.	5 6	Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 2	Check solenoid S2-gear.	5 6	Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 3	Check solenoid valve-gear switch S3.	5 6	Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
4 SID	Check solenoid valve S4-gear.	5 6	Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 5	Check solenoid valve S5-gear.	5 6	Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 6	Check solenoid valve S6-gear.	5 6	Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 7	Check solenoid valve torque converter lock S14.	5	Low current TECU. Power cable breakage.
SID 8	Check solenoid clutch forward S7.	3 4 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 9	Check solenoid valve the main thoroughfare.		
SID 10	Check solenoid valve activation of the retarder gearbox.		
SID 11	Check solenoid valve retarder.		
SID 12	Check solenoid valve		
SID 13	Check solenoid valve differential lock.		
SID 17	Indication of angular velocity of the rotation of the turbine.		

SID 35	Check the solenoid valve of the highest transfer demultiplier gearbox car.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 36	Check solenoid valve lower demultiplier transfer gearbox car.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 37	Check the solenoid valve of the highest transfer gearbox divider car.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 38	Check solenoid valve lower divider transfer gearbox car.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
SID 39	Check solenoid valve, lateral external control devices.		
SID 40	Check solenoid valve cylinder gear external. voter		
SID 50	Check solenoid valve device side management, internal.		
SID 51	Check the solenoid valve cylinder head gear, internal voter.		
SID 52	Check hydraulic system gear box car.		
SID 55	Check solenoid clutch.		
SID 231	SAE J1939 data channel manager.	2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
SID 233	Controller number 2 car gearbox.		
SID 238	Serious problem code lamps red, only for Cummins and DDEC.		
SID 240	Program memory of the electronic control unit.	2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
SID 250	SAE J1708 data channel information	2 4	Data checksum cannot be calculated or is incorrect, because the interrupt signal. Low voltage TECU. Low voltage circuit, a short circuit on the circuit with a lower voltage.
SID 253	Non-volatile memory EEPROM of the electronic control unit.	2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
SID 254	Electronic gearbox control unit 1.		

Volvo PPID Fault Codes

Fault number.	Designation of malfunction.	FMI	Fault description.
PPID 10	Check the first position of the cylinder gear.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.

		5	Low current TECU. Power cable breakage.
		6	High current on TECU. Short to Earth.
		13	1 cylinder position sensor gear calibration values are wrong.
PPID 11	Check the second cylinder gear.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		5	Low current TECU. Power cable breakage.
		6	High current on TECU. Short to Earth.
		13	2 cylinder position sensor gear calibration values are wrong.
PPID 34	The electronic control unit gearbox 12 volts at the outlet.		
PPID 50	Preload clutch car.	0	Data checksum is calculated correctly, but the values above the norm.
		14	Clutch load car, special instructions.
PPID 51	Clutch disc for inclusion in the starting position.	13	Clutch disc in the starting position to enable calibration values are wrong.
PPID 54	Electronic gearbox control unit output 5 volts.	0	Data checksum is calculated correctly, but the values above the norm.
		1	Data checksum is calculated correctly, but the tabular values below standards.
PPID 55	Check the temperature of the electronic gearbox control unit of the car.	0	Data checksum is calculated correctly, but the values above the norm.
PPID 92	Error exceeded the allowable time critical turnovers.		
PPID 140	Indication of the angle of inclination in the gearbox of the vehicle.		
PPID 413	Indication of the date on the input shaft of the gearbox of the vehicle.		

Volvo PSID Fault Codes

Fault number.	Designation of malfunction.	FMI	Fault description.
PSID 1	Pulse-width modulation valve, fast inclusion.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		5	Low current TECU. Power cable breakage.
		6	High current on TECU. Short to Earth.
PSID 2	Pulse-width modulation valve, braked.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		5	Low current TECU. Power cable breakage.
		6	High current on TECU. Short to Earth.
PSID 3	Pulse-width modulation valve, fast inclusion.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
		5	Low current TECU. Power cable breakage.

		6	High current on TECU. Short to Earth.
PSID 4	Pulse-width modulation valve, braked.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
5 PSID	Pulse-width modulation valve, fast, the inclusion of "mass".	3 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. High current on TECU. Short to Earth.
PSID 6	Pulse-width modulation valve, braked inclusion, "mass".	3 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. High current on TECU. Short to Earth.
10 PSID	Solenoid valve, lateral transmission control car, neutral position.		
PSID 11	Solenoid valve, cylinder gear, neutral position of the voter		
12 PSID	Solenoid valve the first cylinder gear, internal.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
PSID 13	Solenoid valve the first cylinder gear, external.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
PSID 14	Solenoid valve the second cylinder gear, internal.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
15 PSID	Solenoid valve the second cylinder gear, external.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
PSID 20	Solenoid valve number one machinery gearbox PTO car.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
PSID 21	Solenoid valve number two, power take-off mechanism in the gearbox of the vehicle.	3 5 6	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
PSID 22	Intermediate shaft in gearbox car solenoid valve brakes.	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage. Low current TECU. Power cable breakage.

		5	High current on TECU. Short to Earth.
		6	
PSID 23	Check enable divider on the gearbox of the vehicle.	0	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
		1	
		2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
		7	The inclusion of the divisor, the system does not react in the right way. The wrong software.
		11	Calibration system incorporating the divider is missing entirely. Damaged or defective wiring component itself.
		12	
			The place has a mechanical failure of the component.
PSID 24	Check enable demultiplier on the gearbox of the vehicle.	0	Data checksum is calculated correctly, but the tabular values below standards.
		1	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
		11	Calibration system incorporating demultiplier are completely absent. Damaged or defective wiring component itself.
		12	
			The place has a mechanical failure of the component.
PSID 25	Check enable first pass into the box car.	0	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
		1	
		2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
		7	The inclusion of the first transfer, the system does not react in the right way. The wrong software.
		11	Calibration system incorporating the divider is missing entirely. Damaged or defective wiring component itself.
		12	
			The place has a mechanical failure of the component.
PSID 26	Check the inclusion of the second and third pass into the box car.	0	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards.
		1	
		2	Data checksum cannot be calculated or is incorrect, because the interrupt signal.
		7	The inclusion of the second and third gear, the system does not react in the right way. The wrong software.
		11	Calibration system incorporating the divider is missing entirely. Damaged or defective wiring component itself.
		12	
			The place has a mechanical failure of the component.
PSID 27	Check clutch gearbox of the vehicle.	0	Data checksum is calculated correctly, but the values above the norm.

		1 7 11 12	Data checksum is calculated correctly, but the tabular values below standards. The inclusion of the second and third gear, the system does not react in the right way. The wrong software. Calibration system incorporating the divider is missing entirely. Damaged or defective wiring component itself. The place has a mechanical failure of the component.
PSID 28	Check transmission brake car.	7	The inclusion of the second and third gear, the system does not react in the right way. The wrong software.
PSID 30	Communication channel with the switching module (TMS).		
PSID 40	Transmission shifts from first to second gear in the car.		
PSID 41	Transmission shifts from second to third in the gearbox of the vehicle.		
PSID 42	Transmission shifts from third to fourth in the gearbox of the vehicle.		
PSID 43	Transmission shifts from fourth to fifth in the gearbox of the vehicle.		
PSID 44	Transmission shifts from fifth to sixth in the gearbox of the vehicle.		
PSID 47	Lock the gear in the gearbox of the vehicle.		
PSID 63	D1 control valve, increase transmission in the gearbox of the vehicle.		
64 PSID	D2 control valve, decrease transmission in the gearbox of the vehicle.		
PSID 65	Calibration time of adaptation in the gearbox of the vehicle.		
PSID 66	Calibration of initial contact in the gearbox of the vehicle.		
100 PSID	Slipping clutch gearbox of the vehicle.	0 1 7	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. Traction, the system does not react in the right way. The wrong software.
PSID 101	Clutch lock thrashing in the gearbox of the vehicle.	0 1 7	Data checksum is calculated correctly, but the values above the norm. Data checksum is calculated correctly, but the tabular values below standards. Traction, the system does not react in the right way. The wrong software.
PSID 102	Solenoid valve S8, coupling the inclusion of reverse gear in the gearbox of the vehicle.	5 6	Low current TECU. Power cable breakage. High current on TECU. Short to Earth.
PSID 103	Pulse-width modulation valve S11, the main pressure in the gearbox of the vehicle.	5	Low current TECU. Power cable breakage.
PSID 104	Pulse-width modulation valve S13, pressure during braking in the gearbox of the vehicle.	5	Low current TECU. Power cable breakage.
PSID 105	Solenoid valve mechanism gearbox PTO car.	5	Low current TECU. Power cable breakage.

		6	High current on TECU. Short to Earth.
PSID 107	Primary, secondary shaft in gearbox of the vehicle.		
PSID 108	Gear items in a box car.		
PSID 109	Indication of shaft in the gearbox of the vehicle.		
PSID 110	Indication of the secondary shaft in gearbox of the vehicle.		
200 PSID	No data from the electronic control unit transmission car.	9	The pace and frequency of data updates, are wrong.
PSID 201	No data from the electronic control unit transmission car.	8	Low current TECU. Power cable breakage.
		9	The pace and frequency of data updates, are wrong.
PSID 202	Relationship with dashboard lost.	8	Low current TECU. Power cable breakage.
		9	The pace and frequency of data updates, are wrong.
PSID 204	Communication with control unit unbraked lost.	8	Low current TECU. Power cable breakage.
		9	The pace and frequency of data updates, are wrong.
PSID 207	Communication with electronic control unit selector gear lost.	8	Low current TECU. Power cable breakage.
		9	The pace and frequency of data updates, are wrong.
PSID 208	Connection with pneumatic suspension electronic control unit is lost.	9	The pace and frequency of data updates, are wrong.
PSID 210	Communication with electronic control unit light appliances is lost.	9	The pace and frequency of data updates, are wrong.
PSID 211	Communication with electronic control unit cruise control is lost.	9	The pace and frequency of data updates, are wrong.
PSID 228	CAN data system-drive transmission.	2	Data checksum is calculated correctly, but the tabular values below standards.
		9	The pace and frequency of data updates, are wrong.
PSID 230	Signal DIEEE	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.
PSID 232	CAN data signal power unit.		
PSID 253	A software error in the electronic control unit transmission.		
PSID 254	Signal DIEEE	3	High voltage contact TECU. Circuit plus, or a short circuit at a high voltage.