

Chassis ID
B 543503

Path
43/Diagnostics/FH, ATO3112C/MID 130
Transmission control unit, fault codes

Model

Identity
121217908

Publish date

Operation No.

Wednesday, 22 October 2008

MID 130 Transmission control unit, fault codes

Note: More information about fault codes is available in Guided Diagnostics.

Fault Code	Function	FMI	Error
PID31	Range cylinder, position	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
		13	Calibration values outside limits
PID32	Split cylinder, position	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
		13	Calibration values outside limits
PID33	Clutch cylinder, position	2	Intermittent or incorrect data.
		3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		12	Faulty unit or component
		13	Calibration values outside limits
PID36	Clutch wear, status	0	Data valid, but above normal working area

PID37	Air pressure, gearbox	0	Data valid, but above normal working area
		1	Data valid, but below normal working area
		3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
PID158	Control unit, battery voltage	0	Data valid, but above normal working area
		1	Data valid, but below normal working area
PID160	Main shaft, rotation speed	1	Data valid, but below normal working area
		2	Intermittent or incorrect data
		3	Abnormally high voltage or short circuit to higher voltage
		4	Abnormally low voltage or short circuit to lower voltage
		5	Abnormally low current or interruption
PID161	Input shaft, rotation speed	1	Data valid, but below normal working area
		4	Abnormally low voltage or short circuit to lower voltage
		5	Abnormally low current or interruption
PID177	Oil temperature, gearbox	0	Data valid, but above normal working area
		4	Abnormally low voltage or short circuit to lower voltage
		5	Abnormally low current or interruption
PPID10	Gear selector cylinder 1, position	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption

		6	Abnormally high current or short circuit to earth
		13	Calibration values outside limits
PPID11	Gear selector cylinder 2, position	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
		13	Calibration values outside limits
PPID50	Clutch, pre-load	0	Data valid, but above normal working area
		14	Special instructions
PPID51	Clutch disc, pull position	13	Calibration values outside limits
PPID54	ECU +5V output	0	Data valid, but above normal working area
		1	Data valid, but below normal working area
PPID55	ECU, temperature	0	Data valid, but above normal working area
PPID140	Inclination angle	2	Intermittent or incorrect data
SID35	Solenoid valve, high range	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
SID36	Solenoid valve, low range	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
SID37	Solenoid valve, high split	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption

		6	Abnormally high current or short circuit to earth
SID38	Solenoid valve, low split	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
SID231	J1939 Control link	2	Intermittent or incorrect data
SID240	Program memory	2	Intermittent or incorrect data
SID250	J1708 Information link	9	Abnormal update rate
SID253	Calibration memory EEPROM	13	Calibration values outside limits
PSID1	PWM valve, quick engagement	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID2	PWM valve, slow engagement	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID3	PWM valve, quick disengagement	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID4	PWM valve, slow disengagement	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth

PSID5	Ground, quick PWM valves	3	Abnormally high voltage or short circuit to higher voltage
		6	Abnormally high current or short circuit to earth
PSID6	Ground, slow PWM valves	3	Abnormally high voltage or short circuit to higher voltage
		6	Abnormally high current or short circuit to earth
PSID12	Solenoid valve, gear selector cylinder 1, inner	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID13	Solenoid valve, gear selector cylinder 1, outer	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID14	Solenoid valve, gear selector cylinder 2, inner	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID15	Solenoid valve, gear selector cylinder 2, outer	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID20	Solenoid valve, power take-off 1	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth

PSID21	Solenoid valve, power take-off 2	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID22	Solenoid valve, brake, counter shaft	3	Abnormally high voltage or short circuit to higher voltage
		5	Abnormally low current or interruption
		6	Abnormally high current or short circuit to earth
PSID23	Split engagement system	0	Unintentional disengagement of indirect split
		1	Unintentional disengagement of direct split
		2	Unintentional disengagement of neutral split
		7	Blocked engagement of neutral split
		11	Blocked engagement of indirect split
		12	Blocked engagement of direct split
PSID24	Range engagement system	0	Unintentional disengagement of low range
		1	Unintentional disengagement of high range
		11	Blocked engagement of low range
		12	Blocked engagement of high range
PSID25	Gears 1/R engagement system	0	Unintentional disengagement of 1:st gear
		1	Unintentional disengagement of reverse gear
		2	Unintentional disengagement of neutral gear (1:st and reverse gear cylinder)
		7	Blocked engagement of neutral gear (1:st and reverse gear cylinder)

		11	Blocked engagement of 1:st gear
		12	Blocked engagement of reverse gear
PSID26	Gears 2/3 engagement system	0	Unintentional disengagement of 2:nd gear
		1	Unintentional disengagement of 3:rd gear
		2	Unintentional disengagement of neutral gear (2:nd and 3:rd gear cylinder)
		7	Blocked engagement of neutral gear (2:nd and 3:rd gear cylinder)
		11	Blocked engagement of 2:nd gear
		12	Blocked engagement of 3:rd gear
PSID27	Clutch system	0	Unintentional disengagement of the clutch
		1	Unintentional engagement of the clutch
		7	Incorrect response from a mechanical system
		11	Clutch Drag
		12	Unintentional clutch slip
PSID28	Gearbox brake	7	Incorrect response from a mechanical system
PSID200	Data link interruption, engine ECU	9	Abnormal update rate
PSID201	Data link interruption, vehicle ECU	8	Abnormal frequency Signal from accelerator pedal position or the service brake switch from the VECU (MID 144) is not correct.
		9	Abnormal update rate
PSID204	Data link interruption, brake ECU	8	Abnormal frequency Wheel speed signal from the BECU (MID 136) is not correct.
		9	Abnormal update rate

PSID207	Data link interruption, gear selector control unit	9	Abnormal update rate
PSID208	SAE J1939 Data link interruption, air suspension control unit	9	Abnormal update rate
PSID210	J1939 Data link interruption, lighting ECU	9	Abnormal update rate
PSID211	J1939 Data link interruption, adaptive cruise control unit	9	Abnormal update rate
PSID232	Powertrain CAN	2	Intermittent or incorrect data
		9	Abnormal update rate
PSID254	DIEE signal	3	Abnormally high voltage or short circuit to higher voltage