

MID 128 engine control module (E-ECU)

MID 187 Vehicle control module (V-ECU)

128 PID45 3 RE2501 - 03 Inlet preheating relay, high voltage

4 RE2501 - 04 Intake preheating relay, low voltage

5 RE2501 - 05 Air inlet preheating relay, open circuit

128 PID94 0 ER49 - 00 Fuel supply pressure sensor below limit pressure

3 ER49 - 03 Fuel supply pressure sensor, high voltage

4 ER49 - 04 Fuel supply pressure sensor, low voltage

128 PID100 1 ER45 - 01 Engine oil pressure sensor, too low

3 ER45 - 03 Engine oil pressure sensor, high voltage

4 ER45 - 04 Engine oil pressure sensor, low voltage

11 ER45 - 11 Engine oil pressure sensor, other faults

128 PID102 3 ER44 - 03 Boost pressure sensor, high voltage

4 ER44 - 04 Boost pressure sensor, low voltage

11 ER44 - 11 Pressure sensor, other faults

128 PID105 3 ER42 - 03 Supercharged temperature sensor, high voltage

4 ER42 - 04 Supercharged temperature sensor, low voltage

11 ER42 - 11 Supercharged temperature sensor, other faults

128 PID107 0 ER4A - 00 Air inlet filter pressure drop sensor, pressure drop too much

3 ER4A - 03 Air filter pressure drop sensor, high voltage

4 ER4A - 04 Air filter pressure drop sensor, low voltage

5 ER4A - 05 Air filter pressure drop sensor, open circuit

128 PID108 3 ER4C - 03 Ambient air pressure sensor, high voltage

4 ER4C - 04 Ambient air pressure sensor, low voltage

128 PID110 0 ER47 - 00 Engine coolant temperature sensor, too high

3 ER47 - 03 Engine coolant temperature sensor, high voltage

4 ER47 - 04 Engine coolant temperature sensor, low voltage

11 ER47 - 11 Engine coolant temperature sensor, other faults

128 PID111 1 ER46 - 01 Coolant level sensor, too low

3 ER46 - 03 Coolant level sensor, high voltage

4 ER46 - 04 Coolant level sensor, low voltage

128 PID158 0 ER4E - 00 E-ECU Input power voltage, over voltage

1 ER4E - 01 E-ECU Input power voltage, too low voltage

128 PID172 3 ER4B - 03 Intake temperature sensor, high voltage

4 ER4B - 04 Intake temperature sensor, low voltage

11 ER4B - 11 Intake temperature sensor, other faults

128 PID175 0 ER41 - 00 Engine oil temperature sensor, too high

3 ER41 - 03 Engine oil temperature sensor, high voltage

4 ER41 - 04 Engine oil temperature sensor, low voltage

11 ER41 - 11 Engine oil temperature sensor, other faults

128 SID1 3 MA2301 - 03 Injector 1 solenoid valve, high voltage

4 MA2301 - 04 Injector 1 solenoid valve, low voltage

11 MA2301 - 11 Injector 1 solenoid valve, other faults

128 SID2 3 MA2302 - 03 Injector 2 solenoid valve, high voltage

4 MA2302 - 04 Injector 2 solenoid valve, low voltage

11 MA2302 - 11 Injector 2 solenoid valve, other faults

128 SID3 3 MA2303 - 03 Injector 3 solenoid valve, high voltage

4 MA2303 - 04 Injector 3 solenoid valve, low voltage

11 MA2303 - 11 Injector 3 solenoid valve, other faults

128 SID4 3 MA2304 - 03 Injector 4 solenoid valve, high voltage

4 MA2304 - 04 Injector 4 solenoid valve, low voltage

11 MA2304 - 11 Injector 4 solenoid valve, other faults

128 SID5 3 MA2305 - 03 Injector 5 solenoid valve, high voltage

4 MA2305 - 04 Injector 5 solenoid valve, low voltage

11 MA2305 - 11 Injector 5 solenoid valve, other faults

128 SID6 3 MA2306 - 03 Injector 6 solenoid valve, high voltage

4 MA2306 - 04 Injector 6 solenoid valve, low voltage

11 MA2306 - 11 Injector 6 solenoid valve, other faults

128 SID21 3 ER48 - 03 Engine position sensor (camshaft), high voltage

8 ER48 - 08 Engine position sensor (camshaft), abnormal frequency

11 ER48 - 11 Engine position sensor (camshaft), other functions failed

128 SID22 2 ER43 - 02 Engine speed sensor (flywheel), intermittent or incorrect data

3 ER43 - 03 Engine speed sensor (flywheel), high voltage

8 ER43 - 08 Engine speed sensor (flywheel), abnormal frequency

128 SID70 3 HE2501 - 03 Air inlet preheating coil, high voltage

4 HE2501 - 04 Air inlet preheating coil, low voltage

5 HE2501 - 05 Air inlet preheat coil, open circuit

128 SID231 9 ER13 - 09 Communication J1939, communication failure

11 ER13 - 11 Communications J1939, other faults

12 ER13 - 12 Communications J1939, faulty unit or element

128 SID240 2 ER12 - 02 E-ECU Controller, intermittent or incorrect data

128 SID250 12 ER14 - 12 Communication J1587, faulty unit or component

128 SID253 2 ER12 - 02 E-ECU Controller, intermittent or incorrect data

128 SID254 12 ER12 - 12 E-ECU Controller, a faulty unit or component