

ECU Error Codes

- To cause the ECU to flash the error codes on the MIL, short the TEN and GND terminals on your diagnosis connector, with the ignition off. Then turn your key to the "on" position and count the flashes.
- To clear the error codes, disconnect the negative battery cable for at least 20 seconds, and depress the brake pedal. Re-connect the battery cable.
- In the "pattern" column, the "L" stands for a long flash, and the "S" stands for a short flash.

Code	Pattern	Problem	Memorized
02	SS	Crank angle sensor no NE signal	Yes
03	SSS	Crank angle sensor no G signal	Yes
05	SSSSS	Knock sensor open or short circuit	Yes
06	SSSSSS	Speedometer sensor	Yes
09	SSSSSSSSS	Water Thermosensor open or short circuit	Yes
11	L S	Intake Air Thermosensor open or short circuit	Yes
12	L SS	Full Range Throttle sensor open or short circuit	Yes
13	L SSS	Pressure Sensor open or short circuit	Yes
14	L SSSS	Atmospheric pressure sensor (in ECU) open or short circuit	Yes
15	L SSSSS	Oxygen Sensor less than .55v for more than 120 sec in feedback mode	Yes

16	L SSSSSS	EGR Switch open or short circuit	Yes
17	L SSSSSSS	Feedback System No change for 25 sec in feedback mode	Yes
18	L SSSSSSSS	Narrow Range Throttle Sensor open or short circuit	Yes
20	LL	Metering Oil Pump Position Sensor open or short circuit	Yes
23	LL SSS	Fuel Thermosensor open or short circuit	Yes
25	LL SSSSS	Pressure Regulator Control Solenoid open or short circuit	No
26	LL SSSSSS	Metering Oil Pump Stepping Motor open or short circuit	No
27	LL SSSSSSS	Metering Oil Pump Sensor open or short circuit or MOP sticking	Yes
28	LL SSSSSSSS	EGR Solenoid open or short circuit	No
30	LLL	Split Air Bypass Solenoid open or short circuit	No
31	LLL S	Relief 1 Solenoid open or short circuit	No
32	LLL SS	Switching Solenoid open or short circuit	No
33	LLL SSS	Port Air Bypass Solenoid open or short circuit	No
34	LLL SSSS	Idle Speed Control Solenoid open or short circuit	No
37	LLL SSSSSSS	Metering Oil Pump low battery voltage	Yes

38	LLL SSSSSSSS	Accelerated Warmup System Solenoid open or short circuit	No
39	LLL SSSSSSSSS	Relief 2 Solenoid open or short circuit	No
40	LLLL	Purge control Solenoid open or short circuit	No
42	LLLL SS	Turbo Precontrol Solenoid open or short circuit	No
43	LLLL SSS	Wastegate control Solenoid open or short circuit	No
44	LLLL SSSS	Turbo control Solenoid open or short circuit	No
45	LLLL SSSSS	Charge control Solenoid open or short circuit	No
46	LLLL SSSSSS	Charge Relief Solenoid open or short circuit	No
50	LLLLL	Double Throttle control Solenoid open or short circuit	No
51	LLLLL S	Fuel Pump Relay open or short circuit	No
54	LLLLL SSSS	Air Pump Relay open or short circuit	No
71	LLLLLLL S	Front Secondary Injector open circuit	No
73	LLLLLLL SSS	Rear Secondary Injector open circuit	No
76	LLLLLLL SSSSSS	Auto Tranny Lockup Signal open or short circuit	No
77	LLLLLLL SSSSSSS	Auto Tranny Reduce Torque Signal open or short circuit	No

- If more than one failure is present, the codes will be indicated in numerical order, lowest number first.