






# PGM-FI SELF-DIAGNOSIS MALFUNCTION INDICATOR LAMP (MIL) FAILURE CODES

- The PGM-FI MIL denotes the failure codes (the number of blinks from 0 to 33). When the indicator lights for 1.3 seconds it is equivalent to ten blinks. For example, a 1.3 second illumination and two blinks (0.5 second X 2) of the indicator equals 12 blinks. Follow code 12 troubleshooting (page 5-24).
- When more than one failure occurs, the MIL shows the blinks in the order of lowest number to highest number. For example; if the indicator blinks once, then two times, two failures have occurred. Follow codes 1 (page 5-14) and 2 (page 5-16) troubleshooting.

Number of PGM-FI MIL blinks	Causes	Symptoms	Refer to
0  No blinks	<ul style="list-style-type: none"> <li>• Open circuit at the power input wire of the ECM</li> <li>• Faulty bank angle sensor</li> <li>• Open circuit in bank angle sensor related circuit</li> <li>• Faulty engine stop relay</li> <li>• Open circuit in engine stop relay related wires</li> <li>• Faulty engine stop switch</li> <li>• Open circuit in engine stop switch related wires</li> <li>• Faulty ignition switch</li> <li>• Faulty ECM</li> <li>• Blown PGM-FI fuse (30 A)</li> <li>• Open circuit in engine stop switch ground</li> <li>• Blown sub-fuse (10 A) (Starter/ignition)</li> </ul>	<ul style="list-style-type: none"> <li>• Engine does not start</li> </ul>	5-83
	<ul style="list-style-type: none"> <li>• Open or short circuit in MIL wire</li> <li>• Faulty ECM</li> </ul>	<ul style="list-style-type: none"> <li>• Engine operates normally</li> </ul>	5-7
	<ul style="list-style-type: none"> <li>• Short circuit in service check connector</li> <li>• Faulty ECM</li> <li>• Short circuit in service check connector wire</li> </ul>	<ul style="list-style-type: none"> <li>• Engine operates normally</li> </ul>	–
1  Blink	<ul style="list-style-type: none"> <li>• Loose or poor contacts on MAP sensor connector</li> <li>• Open or short circuit in MAP sensor wire</li> <li>• Faulty MAP sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Engine operates normally</li> </ul>	5-14
2  Blinks	<ul style="list-style-type: none"> <li>• Loose or poor connection of the MAP sensor vacuum hose</li> <li>• Faulty MAP sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Engine operates normally</li> </ul>	5-16
7  Blinks	<ul style="list-style-type: none"> <li>• Loose or poor contact on ECT sensor</li> <li>• Open or short circuit in ECT sensor wire</li> <li>• Faulty ECT sensor open or short circuit in ECT sensor wire</li> </ul>	<ul style="list-style-type: none"> <li>• Hard start at a low temperature (Simulate using numerical values; 90 °C/194 °F)</li> </ul>	5-17
8  Blinks	<ul style="list-style-type: none"> <li>• Loose or poor contact on TP sensor connector</li> <li>• Open or short circuit in TP sensor wire</li> <li>• Faulty TP sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Poor engine response when operating the throttle quickly (Simulate using numerical values; Throttle opens 0°)</li> </ul>	5-19
9  Blinks	<ul style="list-style-type: none"> <li>• Loose or poor contact on IAT sensor</li> <li>• Open or short circuit in IAT sensor wire</li> <li>• Faulty IAT sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Engine operates normally (Simulate using numerical values; 25 °C/77 °F)</li> </ul>	5-21

Number of PGM-FI MIL blinks		Causes	Symptoms	Refer to
11	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on vehicle speed sensor connector</li> <li>Open or short circuit in vehicle speed sensor connector</li> <li>Faulty vehicle speed sensor</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> </ul>	5-23
12	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on No.1 injector connector</li> <li>Open or short circuit in No.1 injector wire</li> <li>Faulty No.1 injector</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> </ul>	5-24
13	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on No.2 injector connector</li> <li>Open or short circuit in No.2 injector wire</li> <li>Faulty No.2 injector</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> </ul>	5-27
14	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on No.3 injector connector</li> <li>Open or short circuit in No.3 injector wire</li> <li>Faulty No.3 injector</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> </ul>	5-29
15	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on No.4 injector connector</li> <li>Open or short circuit in No.4 injector wire</li> <li>Faulty No.4 injector</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> </ul>	5-31
18	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on cam pulse generator</li> <li>Open or short circuit in cam pulse generator</li> <li>Faulty cam pulse generator</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> </ul>	5-33
19	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on ignition pulse generator</li> <li>Open or short circuit in ignition pulse generator</li> <li>Faulty ignition pulse generator</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> </ul>	5-35
21	 Blinks	<ul style="list-style-type: none"> <li>Faulty No.1 O<sub>2</sub> sensor</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> </ul>	5-37
22	 Blinks	<ul style="list-style-type: none"> <li>Faulty No.2 O<sub>2</sub> sensor</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> </ul>	5-39
23	 Blinks	<ul style="list-style-type: none"> <li>Faulty No.1 O<sub>2</sub> sensor heater</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> </ul>	5-41

Number of PGM-FI MIL blinks		Causes	Symptoms	Refer to
24	 Blinks	<ul style="list-style-type: none"> <li>Faulty No.2 O<sub>2</sub> sensor heater</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> </ul>	5-44
27	 Blinks	<ul style="list-style-type: none"> <li>Loose or poor contact on VTEC spool valve connector</li> <li>Open or short circuit in VTEC spool valve</li> <li>Faulty VTEC spool valve</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> </ul>	5-47
33	 Blinks	<ul style="list-style-type: none"> <li>Faulty E<sup>2</sup>-PROM in ECM</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> <li>Does not hold the self-diagnosis data</li> </ul>	5-49