







## 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 on page 5-26.
- 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 and 2 on page 5-12).

Number of PGM-FI MIL blinks	Causes	Symptoms (Fail-safe contents)	Refer to page
0  Stay lit	<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 (20 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>	—
	<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>	—
	<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  Blinks	<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>	5-12
2  Blinks	<ul style="list-style-type: none"> <li>• Loose or poor connection of the MAP sensor vacuum tube</li> <li>• Faulty MAP sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Engine operates normally</li> </ul>	5-14
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</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>	5-16
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>	5-18
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>	5-22