

FUEL SYSTEM (Programmed Fuel Injection)

MIL CODE INDEX

- The PGM-FI MIL denotes the failure codes (the number of blinks from 0 to 49). 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 6-24).
- 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 6-15) and 2 (page 6-16) troubleshooting.

MIL	Function Failure	Causes	Symptoms	Refer to
No blinks	ECM malfunction	<ul style="list-style-type: none"> • Faulty ECM 	<ul style="list-style-type: none"> • Engine does not start 	6-94
No blinks	ECM power/ground circuits malfunction	<ul style="list-style-type: none"> • Open circuit at the power input wire of the ECM • Faulty bank angle sensor • Open circuit in bank angle sensor related circuit • Faulty engine stop relay • Open circuit in engine stop relay related wires • Faulty engine stop switch • Open circuit in engine stop switch related wires • Faulty ignition switch • Blown PGM-FI fuse (20 A) • Blown sub-fuse (10A) (Starter, Bank angle sensor) 	<ul style="list-style-type: none"> • Engine does not start 	6-94
No blinks	ECM output line malfunction	<ul style="list-style-type: none"> • ECM output voltage line (Yellow/red wire) short circuit 	<ul style="list-style-type: none"> • Engine does not start 	–
No blinks	MIL circuit malfunction	<ul style="list-style-type: none"> • Faulty ECM • Open or short circuit in MIL wire 	<ul style="list-style-type: none"> • Engine operates normally 	6-8
Stays lit	Data link circuit malfunction	<ul style="list-style-type: none"> • Short circuit in data link connector • Faulty ECM • Short circuit in data link connector wire 	<ul style="list-style-type: none"> • Engine operates normally 	–
1 Blink	MAP sensor circuit malfunction	<ul style="list-style-type: none"> • Loose or poor contact on MAP sensor connector • Open or short circuit in MAP sensor wire • Faulty MAP sensor 	<ul style="list-style-type: none"> • Engine operates normally 	6-15
2 Blinks	MAP sensor performance problem	<ul style="list-style-type: none"> • Loose or poor connection of the MAP sensor vacuum hose • Faulty MAP sensor 	<ul style="list-style-type: none"> • Engine operates normally 	6-16
7 Blinks	ECT sensor circuit malfunction	<ul style="list-style-type: none"> • Loose or poor contact on ECT sensor • Open or short circuit in ECT sensor wire • Faulty ECT sensor 	<ul style="list-style-type: none"> • Hard start at a low temperature (Simulate using numerical values; 90 °C/ 194 °F) 	6-17
8 Blinks	TP sensor circuit malfunction	<ul style="list-style-type: none"> • Loose or poor contact on TP sensor connector • Open or short circuit in TP sensor wire • Faulty TP sensor 	<ul style="list-style-type: none"> • Poor engine performance response and when operating the throttle quickly (Simulate using numerical values; Throttle opens 0°) 	6-19
9 Blinks	IAT sensor circuit malfunction	<ul style="list-style-type: none"> • Loose or poor contact on IAT sensor • Open or short circuit in IAT sensor wire • Faulty IAT sensor 	<ul style="list-style-type: none"> • Engine operates normally (Simulate using numerical values; 25 °C/ 77 °F) 	6-21
11 Blinks	Vehicle speed sensor circuit malfunction	<ul style="list-style-type: none"> • Loose or poor contact on vehicle speed sensor connector • Open or short circuit in vehicle speed sensor wire • Faulty vehicle speed sensor 	<ul style="list-style-type: none"> • Engine operates normally 	6-22