

## FUEL SYSTEM (Programmed Fuel Injection)

DTC	Function Failure	Causes	Symptoms	Refer to
-	ECM malfunction	<ul style="list-style-type: none"> <li>Faulty ECM</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> <li>MIL does not blink</li> </ul>	6-94
-	ECM power input circuit malfunction	<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>Blown PGM-FI fuse (20 A)</li> <li>Blown sub-fuse (10 A) (Starter, Bank angle sensor)</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> <li>MIL does not blink</li> </ul>	6-94
-	ECM output line malfunction	<ul style="list-style-type: none"> <li>ECM output voltage line (Yellow/red wire) short circuit</li> </ul>	<ul style="list-style-type: none"> <li>Engine does not start</li> </ul>	-
-	MIL circuit malfunction	<ul style="list-style-type: none"> <li>Faulty ECM</li> <li>Open or short circuit in MIL wire</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> <li>MIL does not blink</li> </ul>	6-8
-	Data link circuit malfunction	<ul style="list-style-type: none"> <li>Short circuit in data link connector</li> <li>Faulty ECM</li> <li>Short circuit in data link connector wire</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> <li>MIL stays lit</li> </ul>	-
1-1	MAP sensor circuit low voltage	<ul style="list-style-type: none"> <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>	6-37
1-2	MAP sensor circuit high voltage	<ul style="list-style-type: none"> <li>Loose or poor contact on MAP sensor connector</li> <li>Open circuit in MAP sensor wire</li> <li>Faulty MAP sensor</li> </ul>	<ul style="list-style-type: none"> <li>Engine operates normally</li> </ul>	6-38
2-1	MAP sensor performance problem	<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>	6-39
7-1	ECT sensor circuit low voltage	<ul style="list-style-type: none"> <li>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>	6-40
7-2	ECT sensor circuit high voltage	<ul style="list-style-type: none"> <li>Loose or poor contact on ECT sensor</li> <li>Open 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>	6-40
8-1	TP sensor circuit low voltage	<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 performance and response when operating the throttle quickly (Simulate using numerical values; Throttle opens 0°)</li> </ul>	6-42
8-2	TP sensor circuit high voltage	<ul style="list-style-type: none"> <li>Open circuit in TP sensor wire</li> <li>Faulty TP sensor</li> </ul>	<ul style="list-style-type: none"> <li>Poor engine performance and response when operating the throttle quickly (Simulate using numerical values; Throttle opens 0°)</li> </ul>	6-43
9-1	IAT sensor circuit low voltage	<ul style="list-style-type: none"> <li>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>	6-44
9-2	IAT sensor circuit high voltage	<ul style="list-style-type: none"> <li>Loose or poor contact on IAT sensor</li> <li>Open 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>	6-45