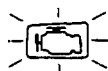


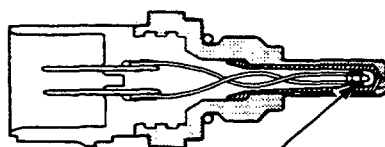
PGM-FI System

Engine Coolant Temperature (ECT) Sensor



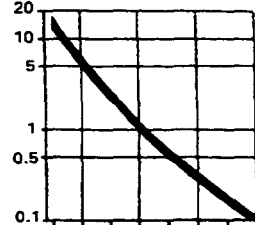
The Malfunction Indicator Lamp (MIL) indicates Diagnostic Trouble Code (DTC) 6: A problem in the Engine Coolant Temperature (ECT) Sensor circuit.

The ECT Sensor is a temperature dependant resistor (thermistor). The resistance of the thermistor decreases as the engine coolant temperature increases as shown below.



THERMISTOR

RESISTANCE
(k Ω)



-20 0 20 40 60 80 100 120 (°C)
-4 32 68 104 140 176 212 248 (°F)

ENGINE COOLANT TEMPERATURE

- The MIL has been reported on.
- With the SCS short connector connected (see page 11-14), code 6 is indicated.

Do the ECM Reset Procedure (see page 11-15).

Turn the ignition switch ON.

Is the MIL on and does it indicate code 6?

NO

Intermittent failure, system is OK at this time (test drive may be necessary).
Check for poor connections or loose wires at ECT sensor and ECM.

YES

Start the engine. Hold the engine at 3,000 rpm (min^{-1}) with no load (A/T in **N** or **P** position, M/T in neutral) until the radiator fan comes on, then let it idle.

Turn the ignition switch OFF.

Disconnect the 2P connector from the ECT sensor.

Measure resistance between the 2 terminals on the ECT sensor.

Is there 200—400 Ω ?

NO

Replace the ECT sensor.

YES

(To page 11-47)

