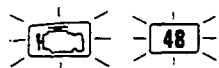


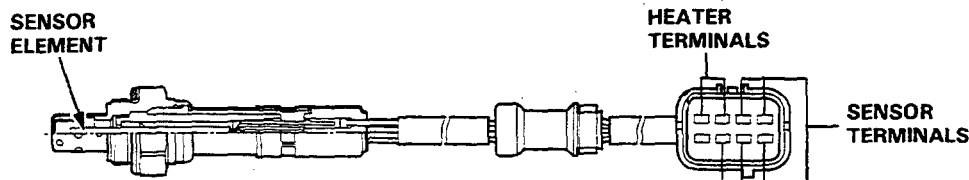
# PGM-FI System

## Heated Oxygen Sensor (HO2S) [D15Z3 engine]



The Malfunction Indicator Lamp (MIL) indicates Diagnostic Trouble Code (DTC) 48: A problem in the Heated Oxygen Sensor (HO2S) circuit.

The Heated Oxygen Sensor (HO2S) operates over a wide air/fuel range. The HO2S is installed in exhaust manifold.



- The MIL has been reported on.
- With service check connector jumped (see page 11-14), code 48 is indicated.

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

Start the engine.

Is the MIL on and does it indicate code 48?

NO

Road test with the transmission in 3rd gear. Hold the engine speed at 1,500 rpm ( $\text{min}^{-1}$ ).

Is the MIL on and does it indicate code 48?

NO

Intermittent failure, system is OK at this time (test drive may be necessary).  
Check for poor connections or loose wires between HO2S and ECM.

YES

Turn the ignition switch OFF.

With the ignition switch OFF, wait for at least three minutes.

Connect the test harness between the ECM and connectors (see page 11-17).

Turn the ignition switch ON.

Measure voltage between D8 (+) terminal and D22 (-) terminal.

Is there more than 0.5 V?

NO

(Go to wire harness short check: ECM (D8) terminal and the HO2S (see page 11-37).)

YES

Is there more than 5.0 V?

NO

YES

(To page 11-35)

(To page 11-35)

Connect the test harness between the ECM and connectors (see page 11-17).

(Go to wire harness open check: ECM (D14) terminal and HO2S (see page 11-37).)

NOTE: Use DIGITAL MULTIMETER  
Commercially available or 07411-002000

