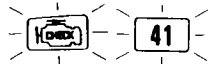
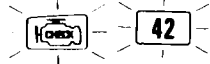


# PGM-FI System

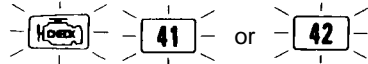
## Troubleshooting Flowchart — Heated Oxygen Sensor Heaters



The Malfunction Indicator Lamp (MIL) indicates Diagnostic Trouble Code (DTC) 41: A problem in the Left Heated Oxygen Sensor (HO2S) Heater circuit.



The Malfunction Indicator Lamp (MIL) indicates Diagnostic Trouble Code (DTC) 41: A problem in the Right Heated Oxygen Sensor (HO2S) Heater circuit.



- The MIL has been reported on.
- With service check connector jumped (see page 11-34), code 41 and/or 42 are indicated.

Do the ECM or PCM Reset Procedure (see page 11-35).

Start the engine.

Is the MIL on and does it indicate code 41 and/or 42?

NO

YES

Turn the ignition switch OFF.

Disconnect the 4P connector from the HO2S.

Measure resistance between terminals C and D on the HO2S.

Is there 10—20  $\Omega$ ?

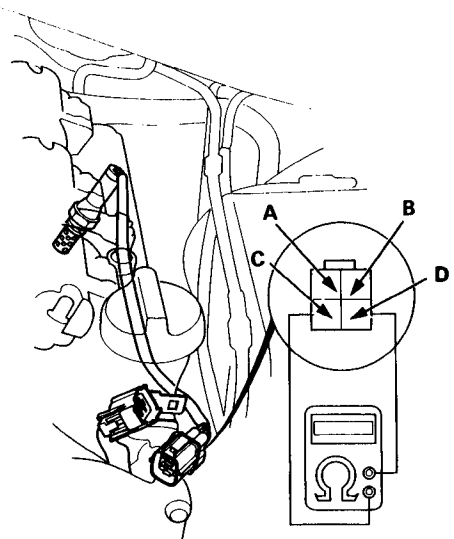
NO

Replace the HO2S.

YES

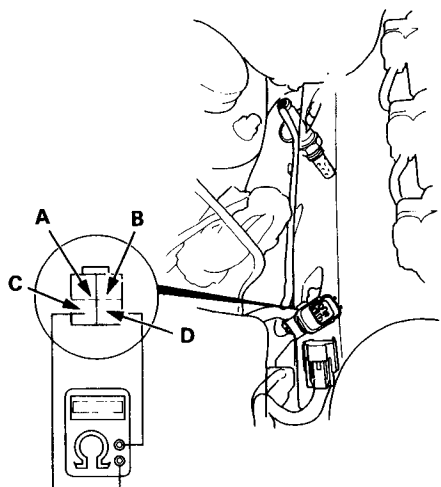
(To page 11-49)

LEFT:



10—20  $\Omega$ ?  
DIGITAL MULTIMETER  
Commercially available or  
KS—AHM—32—003

RIGHT:



10—20  $\Omega$ ?  
DIGITAL MULTIMETER  
Commercially available or  
KS—AHM—32—003



(From page 11-48)

Check for continuity to body ground on each terminal on the HO2S.

Is there continuity?

YES

Replace the HO2S.

NO

Check for continuity between terminal D and terminals A and B individually.

Is there continuity?

YES

Replace the HO2S.

NO

Turn the ignition switch ON.

At the HO2S harness measure voltage between BLK/YEL (+) terminal and GRN/BLU (-) or GRN/RED (-)\*1 terminal.

\*1: RIGHT HO2S

Is there battery voltage?

YES

NO

Measure voltage between BLK/YEL (+) terminal and body ground.

Is there battery voltage?

NO

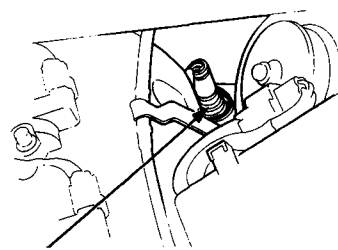
YES

Turn the ignition switch OFF.

(To page 11-50)

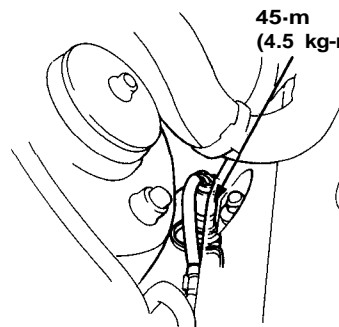
- Repair open in BLK/YEL wire between HO2S and No. 22 FUEL PUMP (20A) fuse.
- Replace blown No. 22 FUEL PUMP (20A) fuse in the under-dash fuse/relay box.

Substitute a known-good ECM or PCM and recheck. If symptom/indication goes away, replace the original ECM or PCM.



LEFT  
HO2S

45 N-m  
(4.5 kg-m, 33 lb-ft)



RIGHT  
HO2S

45 N-m  
(4.5 kg-m, 33 lb-ft)

Turn the ignition switch OFF.

Disconnect the "A" connector from the ECM or PCM.

At the HO2S harness, measure voltage between BLK/YEL (+) terminal and GRN/BLU (-) or GRN/RED (-)\*1 terminal.

\*1: RIGHT HO2S

Turn the ignition switch ON.

Is there battery voltage?

YES

Repair short in GRN/BLU or GRN/RED\*1 wire between ECM or PCM (A10 or A12\*1) and HO2S.

NO

(cont'd)

# PGM-FI System

## Troubleshooting Flowchart — Heated Oxygen Sensor Heaters (cont'd)

