

PGM-FI System DTC Troubleshooting (cont'd)

DTC P0141: Secondary HO2S (Sensor 2) Heater Circuit Malfunction

1. 1. Reset the ECM/PCM (see page [11-4](#)).
2. Start the engine.

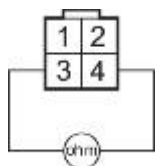
Is DTC P0141 indicated?

YES - Go to step 3.

NO - Intermittent failure, system is OK at this time.
Check for poor connections or loose wires at the secondary HO2S (Sensor 2) and at the ECM/PCM. ■

2. 3. Turn the ignition switch OFF.
4. Disconnect the secondary HO2S (Sensor 2) 4P connector.
5. At the secondary HO2S (Sensor 2) side, measure resistance between the HO2S 4P connector terminals No. 3 and No. 4.

SECONDARY HO2S (SENSOR 2) 4P CONNECTOR



Wire side of female terminals

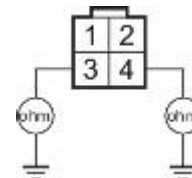
Is there 10-40 ohms?

YES - Go to step 6.

NO - Replace the secondary HO2S (Sensor 2). ■

1. 6. Check continuity between body ground and the secondary HO2S (Sensor 2) 4P connector terminals No. 3 and No. 4 individually.

SECONDARY HO2S (SENSOR 2) 4P CONNECTOR



Wire side of female terminals

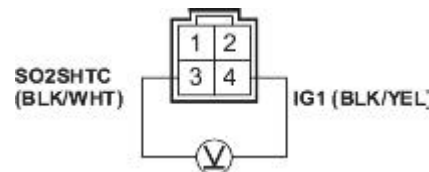
Is there continuity?

YES - Replace the secondary HO2S (Sensor 2). ■

NO - Go to step 7.

2. 7. Turn the ignition switch ON (II).
8. Measure voltage between the secondary HO2S 4P connector terminals No. 3 and No. 4.

SECONDARY HO2S (SENSOR 2) 4P CONNECTOR



Terminal side of male terminals

Is there battery voltage?

YES - Go to step 9.

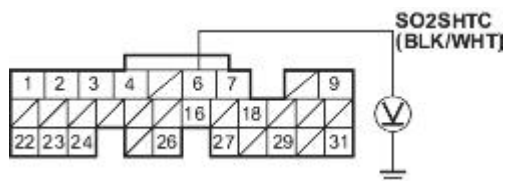
NO - Go to step 12.

3. 9. Turn the ignition switch OFF.
10. Disconnect ECM/PCM connector E (31P).

PGM-FI System DTC Troubleshooting (cont'd)

1. 11. Check for continuity between ECM/PCM connector terminal E6 and body ground.

ECM/PCM CONNECTOR E (31P)



Wire side of female terminals

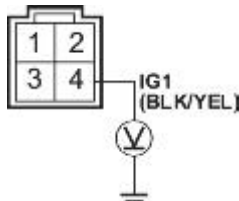
Is there continuity?

YES - Repair short in the wire between the ECM/PCM (E6) and the secondary HO2S (Sensor 2). ■

NO - Substitute a known-good ECM/PCM and recheck (see page 11-6). If symptom/indication goes away, replace the original ECM/PCM. ■

12. Measure voltage between the secondary HO2S (Sensor 2) 4P connector terminal No. 4 and body ground.

SECONDARY HO2S (SENSOR 2) 4P CONNECTOR



Terminal side of male terminals

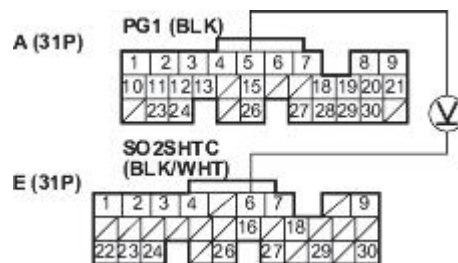
Is there battery voltage?

YES - Go to step 13.

NO - Check the No. 4 ACG (10A) fuse in the under-dash fuse/relay box. If the fuse is OK, repair open in the wire between the secondary HO2S (Sensor 2) and No. 4 ACG (10A) fuse. ■

1. 13. Turn the ignition switch OFF.
14. Reconnect the secondary HO2S (Sensor 2) 4P connector.
15. Disconnect ECM/PCM connector E (31P).
16. Turn the ignition switch ON (II).
17. Measure voltage between ECM/PCM connector terminal E6 and A5.

ECM/PCM CONNECTORS



Wire side of female terminals

Is there 0.1 V or less?

YES - Repair open in the wire between the ECM/PCM (E6) and the secondary HO2S (Sensor 2). ■

NO - Substitute a known-good ECM/PCM and recheck (see page 11-6). If symptom/indication goes away, replace the original ECM/PCM. ■