

PGM-FI System

DTC Troubleshooting (cont'd)

**DTC P2270: Secondary HO2S (Sensor 2)
Circuit Signal Stuck Lean**
(‘05-07 models)

**DTC P2271: Secondary HO2S (Sensor 2)
Circuit Signal Stuck Rich**
(‘05-07 models)

NOTE: Before you troubleshoot, record all freeze data and any on-board snapshot, and review the general troubleshooting information (see page 11-3).

1. Turn the ignition switch ON (II).
2. Clear the DTC with the HDS.
3. Start the engine, and let it idle without load (in Park or neutral) until the radiator fan comes on.
4. Test-drive under these conditions:
 - Engine coolant temperature (ECT SENSOR) (‘05 model), Engine coolant temperature (ECT SENSOR 1) (‘06-07 models) above 158 °F (70 °C)
 - Vehicle speed above 35 mph (56 km/h)
 - Drive 25 seconds or more
5. Monitor the OBD STATUS for DTC P2270 or P2271 in the DTCs MENU with the HDS.

Does the screen indicate FAILED?

YES—Go to step 6.

NO—If the screen indicates PASSED, intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the secondary HO2S (Sensor 2) and the ECM/PCM. If the screen indicates EXECUTING, keep driving until a result comes on. If the screen indicates OUT OF CONDITION, go to step 3 and recheck.
6. Turn the ignition switch OFF.
7. Replace the secondary HO2S (Sensor 2) (see page 11-223).
8. Turn the ignition switch ON (II).
9. Reset the ECM/PCM with the HDS.
10. Do the ECM/PCM idle learn procedure (see page 11-316).

11. Start the engine. Hold the engine speed at 3,000 rpm without load (in Park or neutral) until the radiator fan comes on, then let it idle.

12. Test-drive under these conditions:

- Engine coolant temperature (ECT SENSOR) (‘05 model), Engine coolant temperature (ECT SENSOR 1) (‘06-07 models) above 158 °F (70 °C)
- Vehicle speed above 35 mph (56 km/h)
- Drive 25 seconds or more

13. Check for Temporary DTCs or DTCs with the HDS.

Is DTC P2270 or P2271 indicated?

YES—Check for poor connections or loose terminals at the secondary HO2S (Sensor 2) and the ECM/PCM, then go to step 1.

NO—Go to step 14.

14. Monitor the OBD STATUS for DTC P2270 or P2271 in the DTCs MENU with the HDS.

Does the screen indicate PASSED?

YES—Troubleshooting is complete. If any other Temporary DTCs or DTCs were indicated in step 13, go to the indicated DTC’s troubleshooting. ■

NO—If the screen indicates FAILED, check for poor connections or loose terminals at the secondary HO2S (Sensor 2) and the ECM/PCM, then go to step 1. If the screen indicates EXECUTING, keep driving until a result comes on. If the screen indicates OUT OF CONDITION, go to step 11.