

PGM-FI System

DTC Troubleshooting (cont'd)

DTC P0135: A/F Sensor (Sensor 1) Heater Circuit Malfunction

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

4. Check for Temporary DTCs or DTCs with the HDS.
Is DTC P0135 indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Check for poor connections or loose terminals at the A/F sensor (Sensor 1), the A/F sensor relay, and the ECM/PCM. ■

5. Turn the ignition switch OFF.

6. Check these fuses:

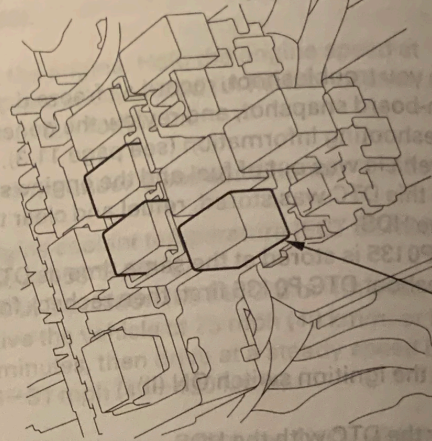
- ✓ No. 23 LAF (10 A) fuse in the under-dash fuse/relay box.
- ✓ No. 31 LAF (7.5 A) fuse in the under-dash fuse/relay box.

Are either of the above fuses blown?

YES—Go to step 24.

NO—Go to step 7.

7. Remove the A/F sensor relay (A).



8. Check the A/F sensor relay (see page 22-53).

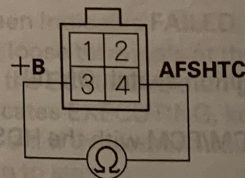
Is the A/F sensor relay OK?

YES—Go to step 9.

NO—Replace the A/F sensor relay, then go to step 33.

9. Disconnect the A/F sensor (Sensor 1) 4P connector.
10. At the sensor side, measure resistance between A/F sensor (Sensor 1) 4P connector terminals No. 3 and No. 4.

A/F SENSOR (SENSOR 1) 4P CONNECTOR



Terminal side of male terminals

Is there 2.0–2.6 Ω at room temperature?

YES—Go to step 11.

NO—Go to step 32.