

PGM-FI System

Primary Heated Oxygen Sensor (HO2S) (Sensor 1) (cont'd)

P2195 The HDS or the scan tool indicates Diagnostic Trouble Code (DTC) P2195: A low voltage problem in the Right Primary Heated Oxygen Sensor (HO2S) (Bank 1, Sensor 1) circuit.

P2197 The HDS or the scan tool indicates Diagnostic Trouble Code (DTC) P2197: A low voltage problem in the Left Primary Heated Oxygen Sensor (HO2S) (Bank 2, Sensor 1) circuit.

- The MIL has been reported on.
- DTC P2195 and/or P2197 are stored.

Problem verification:

1. Do the PCM Reset Procedure.
2. Start the engine. Hold the engine at 3,000 rpm with no load (in Park or neutral) until the radiator fan comes on.
3. Test-drive with the transmission in [2] position.
4. Check the right primary HO2S (Bank 1, Sensor 1) or left primary HO2S* (Bank 2, Sensor 1) output voltage with the scan tool during acceleration using wide open throttle.

Is DTC P2195 and/or P2197 indicated?

NO

Intermittent failure, system is OK at this time. Check for poor connections or loose terminals at C251, C254 (located at right shock tower), C119 (right primary HO2S (Bank 1, Sensor 1)) or C126 (left primary HO2S (Bank 2, Sensor 1))* and PCM.

YES

Check the fuel pressure.

Is it normal?

NO

Repair fuel supply system.

YES

Check for a short in the HO2S:

1. Turn the ignition switch OFF.
2. Disconnect the right primary HO2S (Bank 1, Sensor 1) or left primary HO2S* (Bank 2, Sensor 1) connector.
3. Start the engine and let it idle.
4. Check the right primary HO2S (Bank 1, Sensor 1) or left primary HO2S* (Bank 2, Sensor 1) output voltage with the HDS or the scan tool.

Does it stay at 0.5 V or less?

NO

Replace the HO2S.

YES

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Check for a short in the wires:

1. Turn the ignition switch OFF.
2. Disconnect the PCM connector D (22P).
3. Check for continuity between No. 1 terminal on the harness side of the HO2S connector and body ground.

Is there continuity?

YES

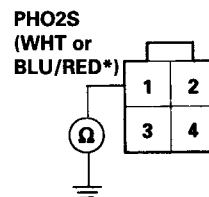
Repair short in the wire between PCM (D19 or D18*) and right primary HO2S (Bank 1, Sensor 1) or left primary HO2S* (Bank 2, Sensor 1).

NO

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

*: P0151

**RIGHT PRIMARY HO2S (Bank 1, Sensor 1) CONNECTOR (C119)
or LEFT PRIMARY HO2S (Bank 1, Sensor 1) CONNECTOR (C126)**



Wire side of female terminals

(cont'd)