

PGM-FI System

Throttle Position (TP) Sensor (cont'd)

P0123 The scan tool indicates Diagnostic Trouble Code (DTC) P0123: A high voltage problem in the Throttle Position (TP) sensor circuit.

- The MIL has been reported on.
- DTC P0123 is stored.

Problem verification:

1. Start the engine. Hold the engine at 3,000 rpm with no load (in Park or neutral) until the radiator fan comes on, then turn the ignition switch OFF.
2. Turn the ignition switch ON (II).
3. Check the throttle position with the scan tool.

Is there about 0.5 V when the throttle is fully closed and approx. 4.5 V when the throttle is fully opened?

YES

Intermittent failure, system is OK at this time. Check for poor connections or loose wires at C251, C253, C254 (located at left shock tower) C113 (TP sensor) and PCM.

NO

Check for an open in the TP sensor:

1. Turn the ignition switch OFF.
2. Disconnect the TP sensor connector.
3. Turn the ignition switch ON (II).
4. Measure voltage between No. 3 terminal and No. 1 terminal on the harness side of the TP sensor connector.

Is there about 5 V?

YES

Replace the throttle body.

NO

Check for an open in the wire (SG2 line):

Measure voltage between PCM connector terminals D21 and D22.

Is there about 5 V?

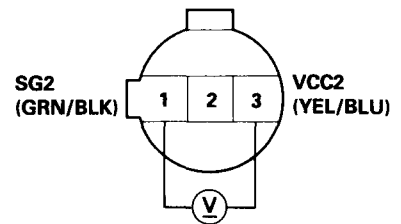
YES

Repair open in the wire between PCM (D22) and TP sensor.

NO

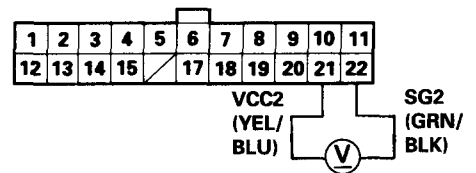
Substitute a known-good PCM and recheck (see page 11-42 for immobilizer information). If prescribed voltage is now available, replace the original PCM.

TP SENSOR CONNECTOR (C113)



Wire side of female terminals

PCM CONNECTOR D (22P)



Wire side of female terminals