

Emission Control System

Exhaust Gas Recirculation (EGR) System (cont'd)

P0406 The HDS or the scan tool indicates Diagnostic Trouble Code (DTC) P0406: A high voltage problem in the Exhaust Gas Recirculation (EGR) valve position sensor circuit.

- The MIL has been reported on.
- DTC P0406 is stored.

Problem verification:

1. Do the PCM Reset Procedure.
2. Turn the ignition switch ON (II).

Is DTC P0406 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), C107 (EGR valve) and PCM.

YES

Check for an open in the EGR valve position sensor:

1. Turn the ignition switch OFF.
2. Disconnect the EGR valve position sensor connector.
3. Turn the ignition switch ON (II).
4. Measure voltage between the EGR valve position sensor 3P connector terminals No. 1 and No. 3.

Is there about 5 V?

YES

Replace the EGR valve.

NO

Check for open in the wire (SG2 line):

Measure voltage between PCM connector terminals D22 and D21.

Is there about 5 V?

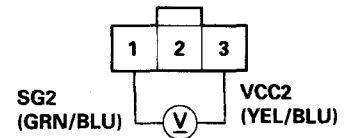
YES

Repair open in the wire between PCM (D22) and EGR valve position sensor.

NO

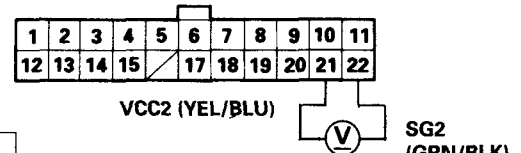
Substitute a known-good PCM and recheck. If symptom/indication goes away, replace the original PCM.

EGR VALVE POSITION SENSOR CONNECTOR (C107)



Wire side of female terminals

PCM CONNECTOR D (22P)



Wire side of female terminals