

FUEL SYSTEM (Programmed Fuel Injection)

2. ECT Sensor Input Voltage Inspection

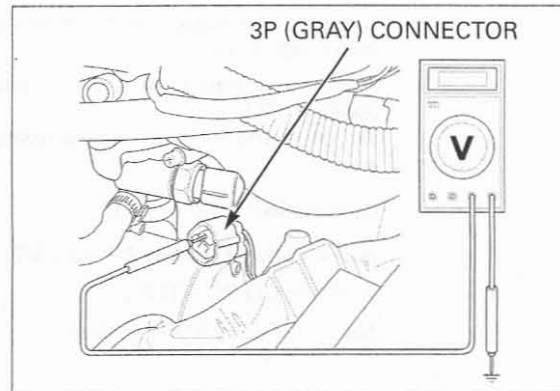
Turn the ignition switch OFF.
Disconnect the ECT sensor 3P (Gray) connector.
Turn the ignition switch ON and engine stop switch " \odot ".
Measure the voltage at the wire harness side of ECT sensor connector.

Connection: Blue/yellow (+) – ground (-)

Is the voltage within 4.75 – 5.25V?

YES – GO TO STEP 3.

NO – GO TO STEP 4.



3. ECT Sensor Resistance Inspection

Turn the ignition switch OFF.
Disconnect the ECT sensor 3P (Gray) connector.
Measure the resistance at the ECT sensor terminals.

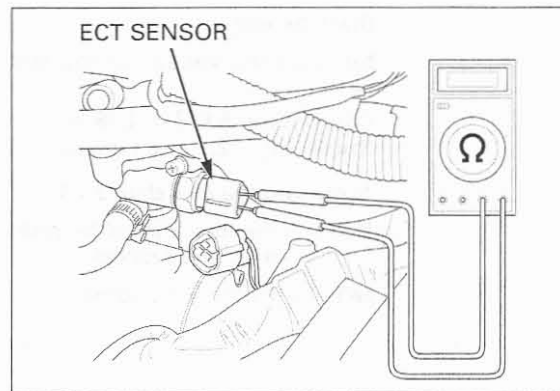
**Connection: Blue/yellow (+) – Gray/black (-)
(sensor side terminals)**

Standard: 2.3 – 2.6 k Ω (20°C/68°F)

Is the resistance within 2.3 – 2.6 k Ω (20°C/68°F)?

NO – Faulty ECT sensor.

YES – GO TO STEP 4.



4. ECT Sensor Open Circuit Inspection

Turn the ignition switch OFF.
Check for continuity at the Pink and Green/orange wires between the ECT sensor 3P (Gray) connector terminal and the ECM 32P (Light gray) connector terminal.

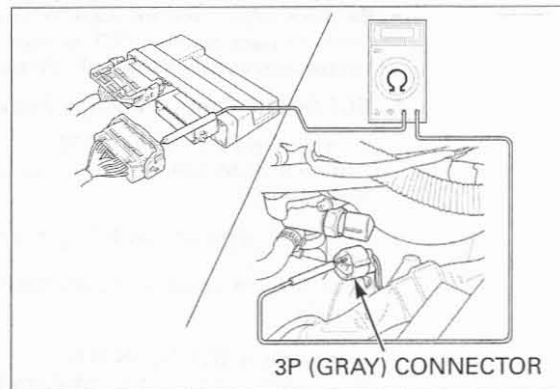
**Connection: B27 – Blue/yellow
B26 – Gray/black**

Is there continuity?

YES – GO TO STEP 5.

NO –

- Open circuit in Blue/yellow
- Open circuit in Gray/black wire



5. ECT Sensor Output Line Short Circuit Inspection

Check for continuity between the ECT sensor 3P (Gray) connector terminal of the wire harness side and ground.

Connection: Blue/yellow – ground

Is there continuity?

YES – Short circuit in Blue/yellow wire

NO – Replace the ECM with a known good one, and recheck

