

PGM-CARB Control System

Troubleshooting Flow Chart — Oxygen Sensor

- ① Self-diagnosis LED blinks once: A problem in the Oxygen (O₂) Sensor circuit.

LED indicates CODE 1.

Turn the ignition switch OFF.

Remove BACK UP fuse in the under-hood relay box for 10 seconds to reset control unit.

Warm up engine to normal operating temperature (the cooling fan comes on).

Does LED indicate CODE 1 ?

NO

Intermittent failure (test drive may be necessary).

YES

Inspect fuel pressure at the fuel filter.

Is pressure as specified ?

NO

Repair fuel supply system (page 6-93).

YES

Disconnect wire harness from indicated O₂ sensor.

Warm up engine to normal operating temperature again, then open the throttle wide open then close it.

Measure voltage between the connector terminal and body ground.

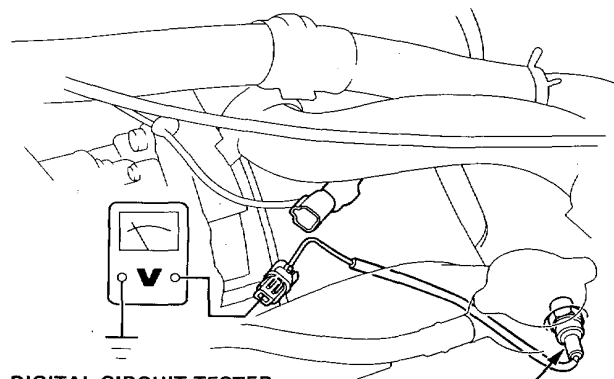
Is voltage above 0.6 V at wide open throttle and below 0.4 V when the throttle is quickly released ?

NO

Replace O₂ sensor.

YES

(To page 6-25)



DIGITAL CIRCUIT TESTER
07411-002000

O₂ SENSOR
45 N·m (4.5 kg-m, 33 lb-ft)



(From page 6-24)

Stop engine.

Reconnect O₂ sensor.

Connect the ECU test harness between the control unit and connector (page 6-20).

Restart and warm up engine to normal operating temperature, then open the throttle wide open then close it.

Measure voltage between D13 (+) terminal and D21 (-) terminal.

Is voltage above 0.6 V at wide open throttle and below 0.4 V when the throttle is quickly released?

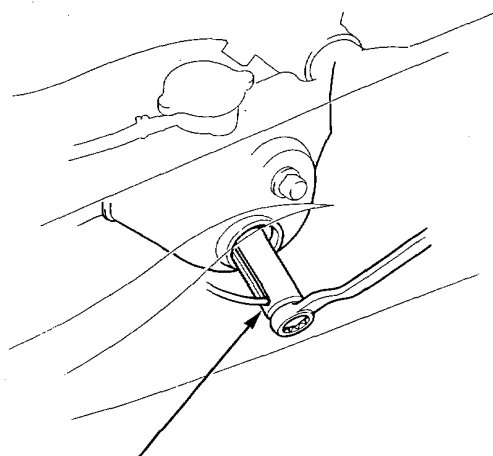
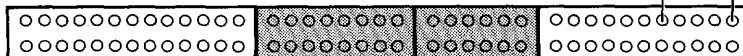
NO

Repair open or short in WHT wire between control unit (D13) and the O₂ sensor.

YES

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

0.4–0.6 V ?
D13 (+) D21 (-)



O₂ SENSOR SOCKET WRENCH
07LAA—PT50100
45 N·m (4.5 kg·m, 33 lb·ft)