

PGM-FI Control System

Troubleshooting Flow Chart — TDC/CRANK Sensor



Self-diagnosis LED indicator blinks four times: A problem in the CRANK circuit of the TDC/CRANK Sensor.



Self-diagnosis LED indicator blinks eight times: A problem in the TDC circuit of the TDC/CRANK Sensor.



- PGM-FI warning light has been reported on.
- LED indicates CODE 4.

Turn the ignition switch OFF.

Remove CLOCK fuse in the under-hood relay box for 10 seconds to reset ECU.

Start engine.

Is PGM-FI warning light on ?
Does LED indicate CODE 4 ?

NO

Intermittent failure
(test drive may be necessary).

YES

Stop engine.

Disconnect the 4P connector from the TDC/CRANK sensor.

Measure resistance between C terminal and D terminal.

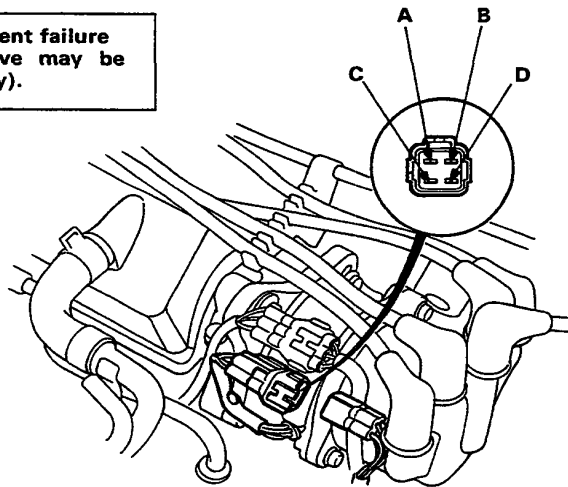
Is there 700–1,000 Ω ?

NO

Overhaul TDC/CRANK sensor (page 6-172).

YES

(To page 6-153)





(From page 6-152)

Check for continuity to body ground on C terminal and D terminal individually.

Does continuity exist ?

YES

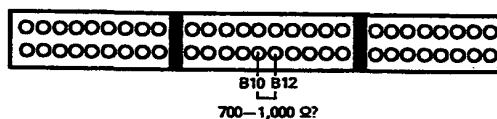
Overhaul TDC/CRANK sensor (page 6-172).

NO

Reconnect the connector.

Connect the system checker harness only to the wire harness, but not to the ECU (page 6-137).

Measure resistance between B10 terminal and B12 terminal.



Is there 700-1,000 Ω ?

NO

Repair open in BLU/YEL and/or BLU/GRN wires.

YES

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

(cont'd)

PGM-FI Control System

Troubleshooting Flow Chart — TDC/CRANK sensor (cont'd)



-PGM-FI warning light has been reported on.
-LED indicates CODE 8.

Turn the ignition switch OFF.

Remove CLOCK fuse in the under-hood relay box for 10 seconds to reset ECU.

Start engine.

Is PGM-FI warning light on?
Does LED indicate CODE 8?

NO

Intermittent failure
(test drive may be necessary).

YES

Stop engine.

Disconnect the 4P connector from the TDC/CRANK sensor.

Measure resistance between A terminal and B terminal.

Is there 700—1,000 Ω ?

NO

Overhaul TDC/CRANK sensor (page 6-172).

YES

Check for continuity to body ground on A terminal and B terminal individually.

Does continuity exist?

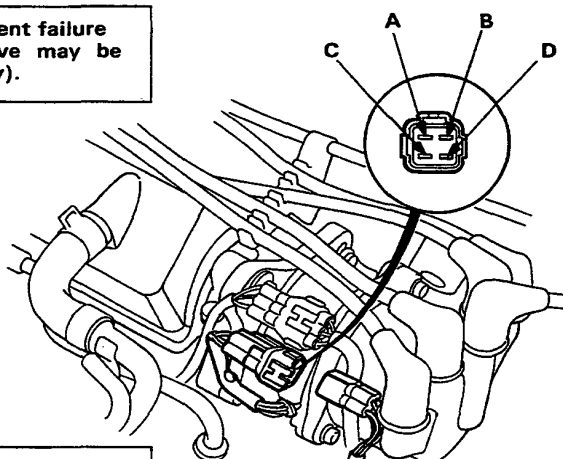
YES

Overhaul TDC/CRANK sensor (page 6-172).

NO

Reconnect the connector.

(To page 6-155)





(From page 6-154)

Connect the system checker harness only to the wire harness but not to the ECU (page 6-137).

Measure resistance between C3 terminal and C4 terminal.

Is there 700 — 1,000 Ω ?

NO

Repair open in ORN/BLU and/or WHT/BLU wires.

YES

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

