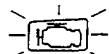


PGM-FI Control System

Troubleshooting Flow Chart — Throttle Angle Sensor



Self-diagnosis LED indicator blinks seven times: Most likely a problem in the Throttle Angle Sensor circuit.



- Engine is running
- PGM-FI warning light is on
- LED indicates CODE 7

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 7 ?

NO

Intermittent failure.
(test drive may be necessary).

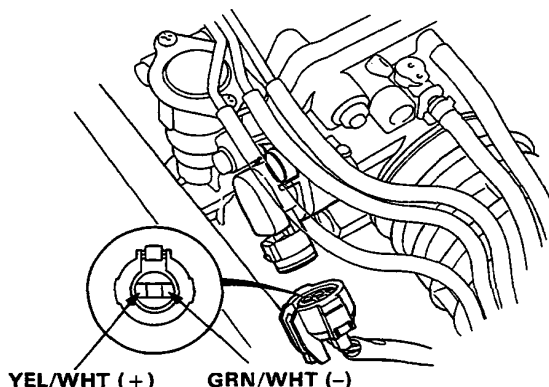
YES

Turn the ignition switch OFF.

Disconnect the 3P connector from the throttle angle sensor.

Turn the ignition switch ON.

Measure voltage between YEL/
WHT (+) terminal and GRN/
WHT (-) terminal.



Is there approx. 5V ?

NO

Measure voltage between YEL/
WHT (+) terminal and body
ground.

YES

Turn the ignition switch OFF.

Reconnect the 3P connector.

Connect the system checker harness between the ECU and connector (page 6-137).

(To page 6-159)

Is there approx. 5V ?

YES

Repair open in GRN/
WHT wire between
ECU (C12) and throttle
angle sensor.

NO

Turn the ignition switch OFF.

Connect the system checker harness between the ECU and connector (page 6-137).

(To page 6-159)



(From page 6-158)

Turn the ignition switch ON.

Measure voltage between C7(+) terminal and C12(-) terminal.

Is voltage approx. 0.5 V at full close throttle, and approx. 4.5 V at full open throttle?

YES

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

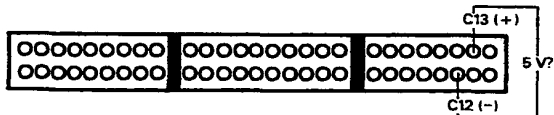
NO

- Replace throttle angle sensor.
- Repair open or short in RED/YEL wire between ECU (C7) and throttle angle sensor.
- Repair short in RED/YEL wire between throttle angle sensor and A/T control unit (A16).

(From page 6-158)

Turn the ignition switch ON.

Measure voltage between C13(+) terminal and C12(-) terminal.



Is there approx. 5V?

YES

Repair open in YEL/WHT wire between ECU(C13) and throttle angle sensor.

NO

Substitute a known-good ECU and recheck. If prescribed voltage is now available, replace the original ECU.

