

PGM-FI Control System

Troubleshooting Flow Chart — PA Sensor



Self-diagnosis Red LED indicator blinks thirteen times: A problem in the Atmospheric Pressure (PA) Sensor circuit.

- Check engine warning light is on.
- Red LED indicates CODE 13.

Turn the ignition switch OFF.

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

Turn the ignition switch ON.

Is Check engine warning light on?

NO

Intermittent failure
(test drive may be necessary.)

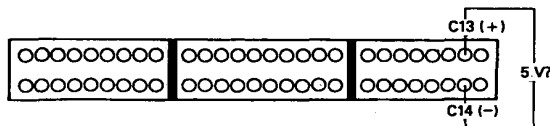
YES

Turn the ignition switch OFF.

Connect the PGM-FI test harness between the ECU and connector (page 6-23).

Turn the ignition switch ON.

Measure voltage between C13 (+) terminal and C14 (-) terminal.



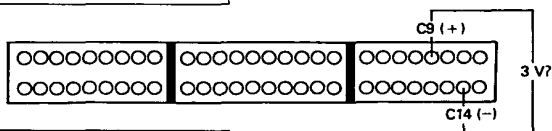
Is there approx. 5V?

NO

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

YES

Measure voltage between C9 (+) terminal and C14 (-) terminal.



Is there approx. 3V?

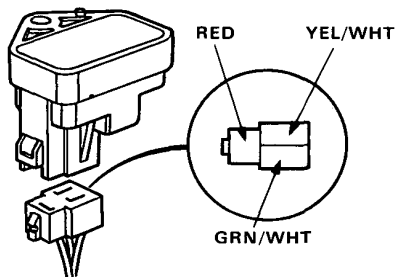
YES

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

NO

Disconnect the L. side wire harness from PA sensor.

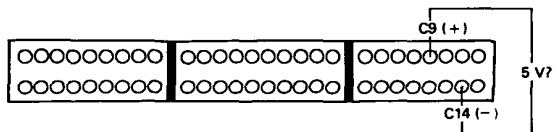
(To page 6-53)





(From page 6-52)

Measure voltage between C9 (+) terminal and C14 (-) terminal.



Is there approx. 5V?

NO

Repair short in RED wire between ECU (C9) and PA sensor.

YES

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

Is there approx. 5V?

NO

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

Is there approx. 5V?

NO

Repair open in YEL/-WHT wire between ECU (C13) and PA sensor.

YES

Repair open in GRN/WHT wire between ECU (C14) and the sensor.

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

Is there approx. 5V?

NO

Repair open in RED wire between ECU (C9) and PA sensor.

YES

Replace PA sensor.