

PGM-FI Control System

Troubleshooting Flowchart — Throttle Angle Sensor



Self-diagnosis Red LED indicates code 7: Most likely a problem in the Throttle Angle Sensor circuit.

- Engine is running.
- Check Engine warning light has been reported on.
- Red LED indicates CODE 7.

Turn the ignition switch OFF.

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

Start engine.

Is Check Engine warning light on and does LED indicate CODE 7?

NO

YES

Turn the ignition switch OFF.

Connect the test harness between the throttle angle sensor and wire harness.

Turn the ignition switch ON.

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

Is there approx. 5V?

NO

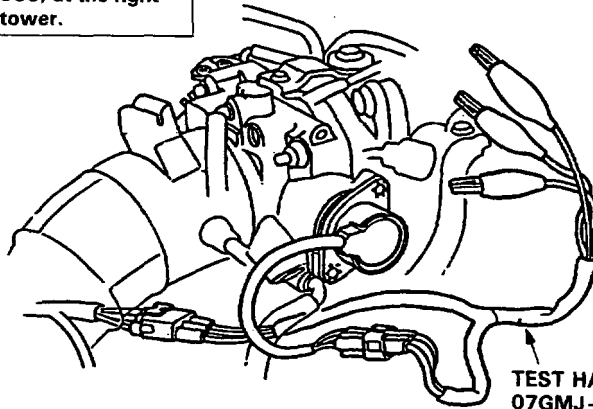
YES

Measure voltage between WHT (+) terminal and GRN (-) terminal at wide open throttle.

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Intermittent failure, system is OK at this time. (Test drive may be necessary.)

Check for poor connections or loose wires at the throttle angle sensor and GRN/WHT wire at C305—C102 (RH: C32—C31) and YEL/WHT wires at C303—C103 (RH: C29—C30) at the right shock tower.



TEST HARNESS
07GMJ—ML80100

Measure voltage between RED (+) terminal and body ground.

Is there approx. 5V?

YES

NO

Turn the ignition switch OFF.

Connect the ECU test harness between the ECU and connector (page 6-9).

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

