

PGM-FI Control System

Troubleshooting Flow Chart — Ignition Output Signal



Self-diagnosis Red LED indicator blinks fifteen times: A problem in the Ignition Output Signal circuit.

- Check engine warning light is on.
- Red LED indicates CODE 15.

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.

Disconnect the 4P connector on the igniter unit.

Turn the ignition switch ON.

Measure voltage between the BLU (+) terminal and BLK (-) terminal.

Is there battery voltage?

NO

Measure voltage between the BLU (+) terminal and body ground.

YES

Measure voltage between the BLK/YEL (+) terminal and BLK (-) terminal on the 4P connector.

Is there battery voltage?

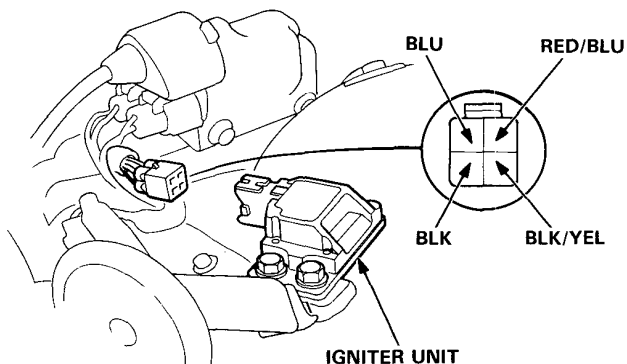
NO

Repair open in the BLK/YEL wire between the igniter unit and ignition switch.

YES

Turn the ignition switch OFF.

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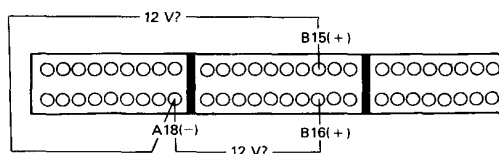
(From page 6-54)

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

Reconnect the 4P connector on the igniter unit.

Turn the ignition switch ON.

Measure voltage individually between B15(+), B16(+) terminals and A18(-) terminal.



Is there battery voltage?

YES

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

NO

Disconnect the 4P connector on the igniter unit and the system checker harness only to the ECU.

Check for continuity of RED/BLU wire between the ECU and the igniter unit.

Does continuity exist?

NO

Repair open in the RED/BLU wire.

YES

Check for continuity to body ground on RED/BLU wire on the 4P connector.

Does continuity exist?

NO

Replace the igniter unit.

YES

Repair short in the RED/BLU wire. Then replace the igniter unit (Igniter unit may be broken in this case).