

PGM-FI Control System

Troubleshooting Flow Chart — Ignition Output Signal



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

- PGM-FI warning light is on.
- LED indicates CODE 15.

Turn the ignition switch OFF.

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

Turn the ignition switch ON.

Is PGM-FI warning light on?
Does LED indicate CODE 15 ?

NO

Intermittent failure
(test drive may be necessary).

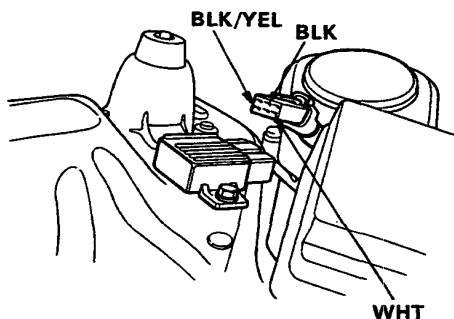
YES

Turn the ignition switch OFF.

Disconnect the 6P 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 6P connector.

Is there battery voltage ?

NO

Repair open in BLU wire.

YES

Repair open in BLK wire between the igniter unit and G203 (L.H. Drive) or G202 (R.H. Drive).

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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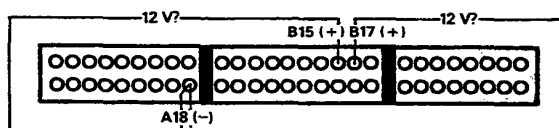
(From page 6-168)

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

Reconnect the 6P connector on the igniter unit.

Turn the ignition switch ON.

Measure voltage individually between B15(+), B17(+) terminals and A18(-) terminal.



Is there battery voltage ?

NO

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

YES

Disconnect the 6P connector on the igniter unit and the system checker harness only to the ECU.

Check for continuity of WHT wire between the ECU and the igniter unit.

Does continuity exist ?

NO

Repair open in WHT wire.

YES

Check for continuity to body ground on WHT wire on the 6P connector.

Does continuity exist ?

NO

Replace the igniter unit.

YES

Repair short in the WHT wire. And then replace the igniter unit (Igniter unit may be broken in this case).