

PGM-FI Control System

Troubleshooting Flowchart — ECU

Check Engine warning light isn't on for two seconds after ignition is first turned on.

Is oil pressure warning light on?

NO

Inspect No. 1 fuse.

YES

Turn the ignition switch OFF.

Connect the PGM-FI test harness between the ECU and connector (page 6-16).

Connect B6 terminal to body ground.

Turn the ignition switch ON.

Is Check Engine warning light on?

NO

- Replace warning light bulb.
- Repair open in GRN/ORN wire between ECU (B6) and combination meter.

YES

Measure voltage between body ground and the following terminals individually to B6: ●A2, ●A4, ●A16 ●A18

Is there less than 1V?

NO

Repair open in wire between ECU and thermostat housing (G101) that had more than 1V.

YES

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

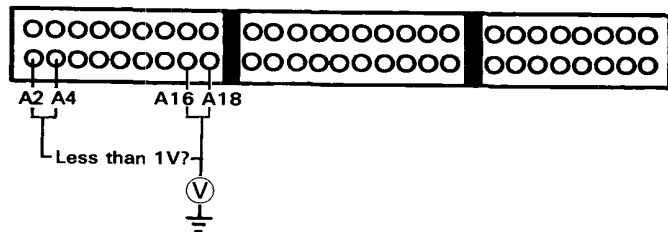
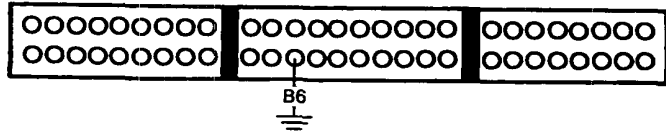
Is No. 1 fuse OK?

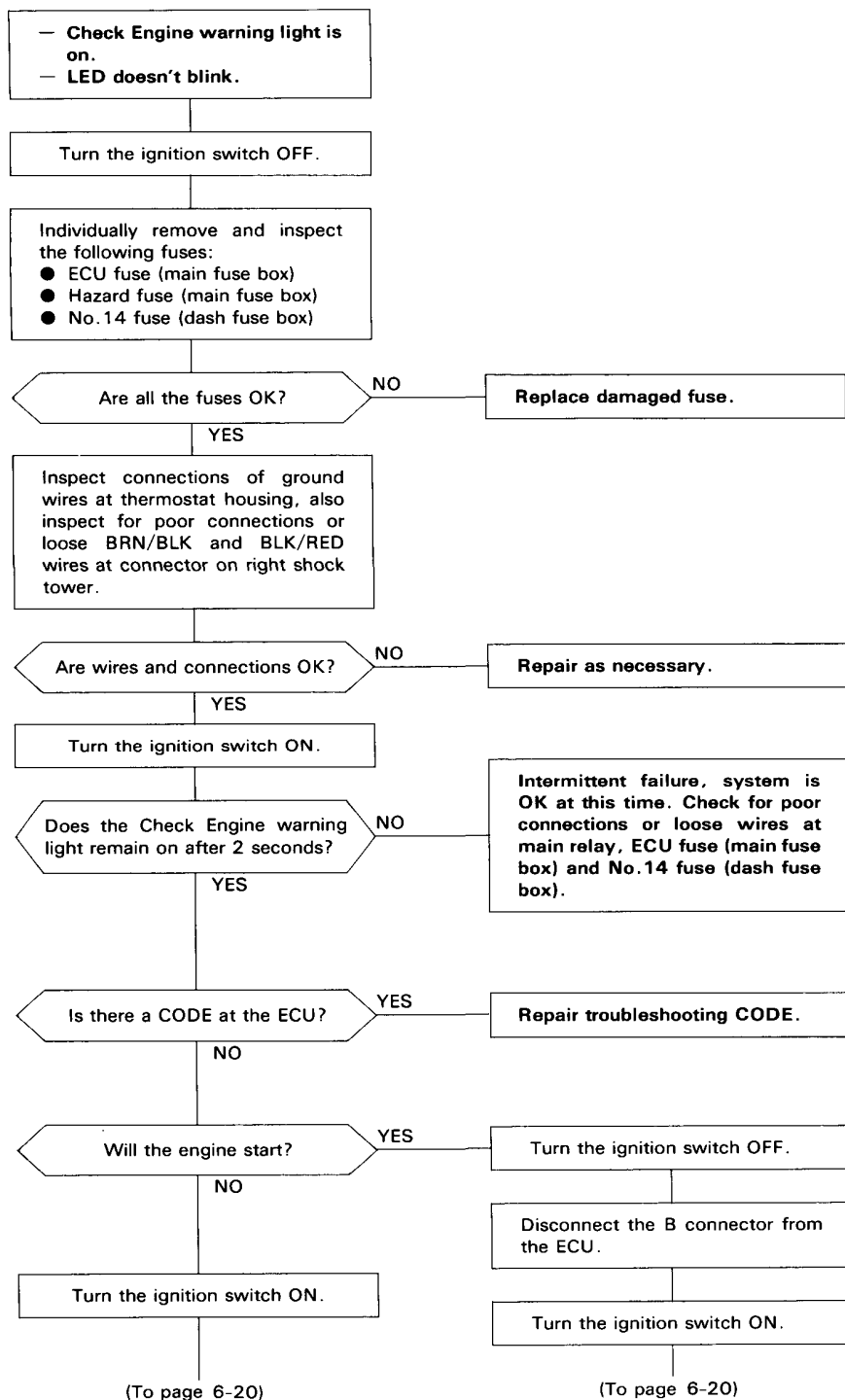
NO

Replace fuse.

YES

Repair open in YEL wire between No. 1 fuse and combination meter.





(cont'd)

PGM-FI Control System

Troubleshooting Flow Chart — ECU (cont'd)

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Disconnect the 3P connector of each sensor one at a time.

- MAP sensor
- Throttle angle sensor.
- IMA sensor (Without CATA)

Is Check Engine warning light on?

YES

Repair short to ground in GRN/ORN wire between ECU (B6) and combination meter.

NO

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

Does Check Engine light remain on?

NO

Replace the sensor that, when disconnected caused the light to go out.

YES

Disconnect the PA sensor.

Does LED indicate CODE 13?

YES

Replace PA sensor.

NO

Turn the ignition switch OFF.

Connect the PGM-FI test harness to the main harness only, not to the ECU (page 6-16).

Check for continuity between the body ground and the following terminals individually.

- C13 ● C15

Does continuity exist?

YES

- Repair short to ground in YEL/RED wire between ECU (C15) and MAP sensor.
- Repair short to ground in YEL/WHT wire between ECU (C13) and PA sensor (Ex. KQ) or throttle angle sensor.
- Repair short to ground in YEL/WHT wire between ECU (C13) and IMA sensor (Without CATA)

NO

Reconnect the 3P connectors of all sensors.
Connector the A, B and C connectors of PGM-FI test harness to ECU.

Turn the ignition switch ON.

Measure voltage between the following terminals individually to body ground: ● A16 ● A18

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(From page 6-20)

