

Air Intake System

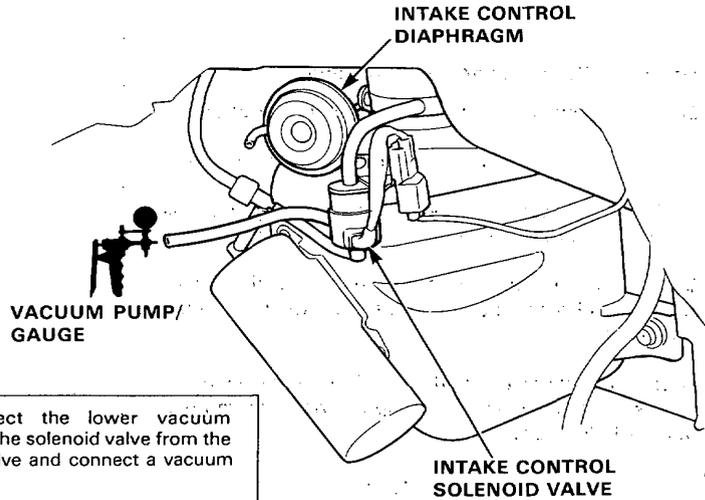
Intake Control System

Throubleshooting Flow Chart

Inspect of Intake Control System.

Start engine and allow to idle.

Remove the vacuum hose from the intake control diaphragm and connect a vacuum gauge to the hose.



Is there vacuum? **NO**

Disconnect the lower vacuum hose of the solenoid valve from the check valve and connect a vacuum pump.

Is there vacuum? **NO**

Check the vacuum line for proper connection, cracks, blockage or disconnected hose.

YES

Disconnect the connector from the resonator control solenoid valve.

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

Is there battery voltage? **YES**

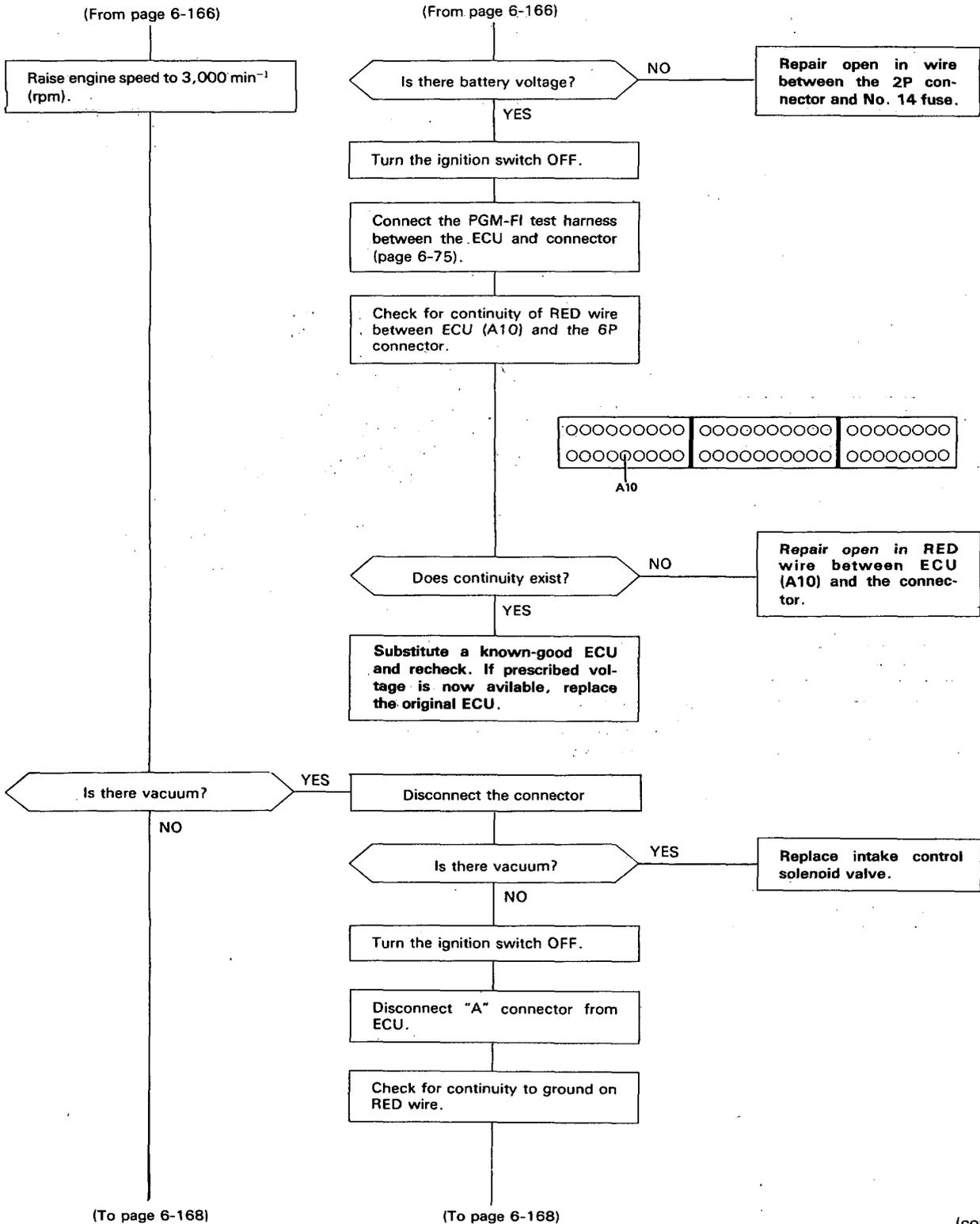
Replace the intake control solenoid valve.

NO

Measure voltage between GRN PNK (+) terminal and body ground.

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Air Intake System

Intake Control System (cont'd)

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Is there continuity to ground?

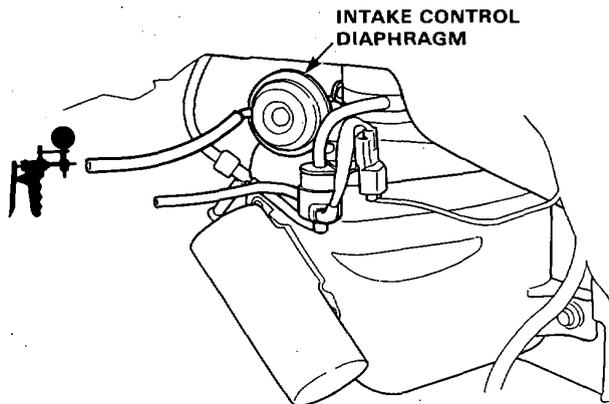
YES

Repair short to ground in RED wire between ECU (A10) and the connector.

NO

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

Connect the vacuum hose to the vacuum hose manifold and connect a vacuum pump to the hose.



Apply vacuum.

Does it hold vacuum?

NO

Check the vacuum line for proper connection or disconnected hose. If OK, replace the intake control diaphragm.

YES

Intake control system is OK.