

Emission Control System

Evaporative Emission (EVAP) Controls (cont'd)

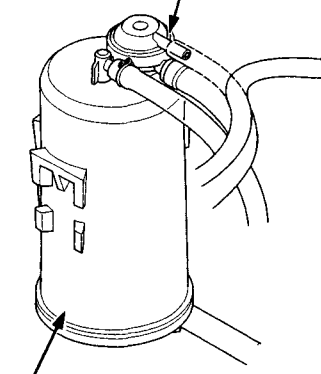
Troubleshooting Flowchart

Inspection of Evaporative Emission Controls

Disconnect vacuum hose from the EVAP purge control diaphragm valve (on the EVAP control canister) and connect a vacuum gauge to the hose.

Start the engine and allow it to idle.
NOTE: Engine coolant temperature must be below 158°F (70°C).

EVAP
PURGE CONTROL
DIAPHRAGM VALVE



EVAP
CONTROL
CANISTER



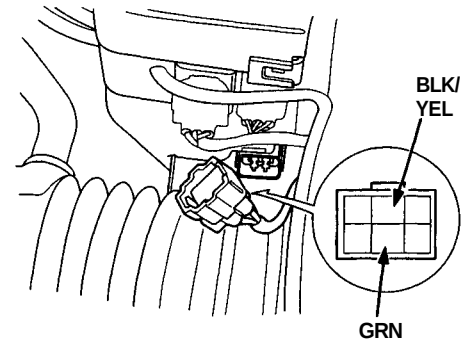
VACUUM PUMP/GAUGE
A973X-041-XXXXX

Is there vacuum ?

YES

Disconnect the 6P connector from the control box.

NO



Measure voltage between BLK/YEL (+) terminal and GRN (-) terminal.

Is there battery voltage ?

YES

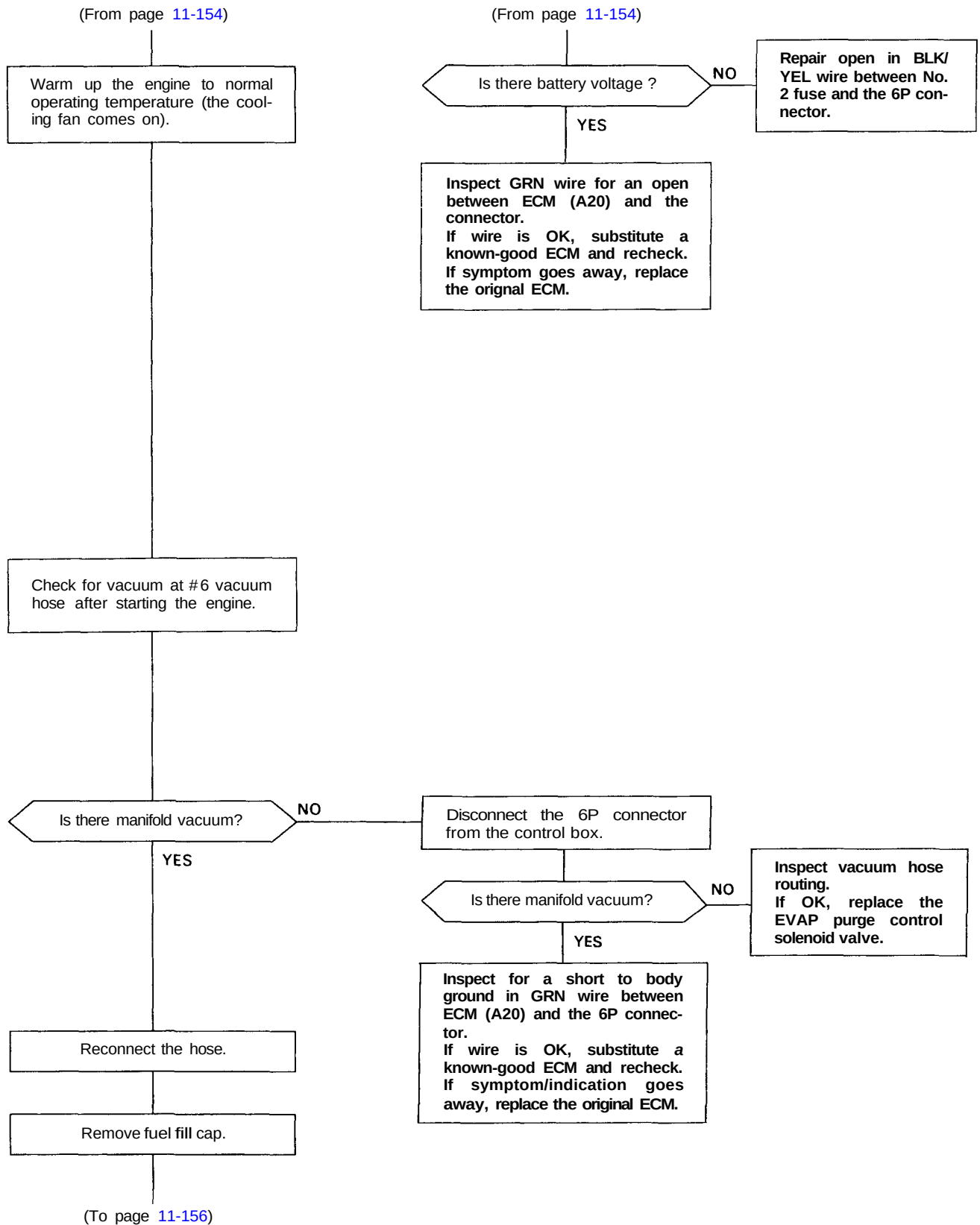
Inspect vacuum hose routing.
If OK, replace the EVAP purge control solenoid valve.

NO

Measure voltage between BLK/YEL (+) terminal and body ground.

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Connect a vacuum gauge to purge air hose.

Start the engine and raise speed to 3,500 rpm.

Does vacuum appear on gauge within 1 minute?

YES

See EVAP two way valve test to complete. Evaporative emission control are OK.

NO

Connect a vacuum gauge to the canister purge hose and raise the engine speed to 3,500 rpm.

Does vacuum appear on the gauge?

YES

Replace the EVAP control canister.

VACUUM/PRESSURE GAUGE
0-4 in.Hg
07JAZ-001000A

PURGE HOSE

PURGE AIR HOSE

