

# Emission Control System

## Evaporative Emission Controls

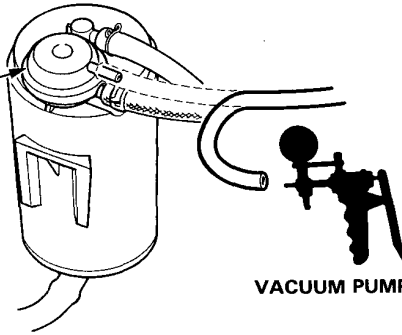
### Troubleshooting Flowchart

#### Inspection of Evaporative Emission Controls

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

Start the engine and allow to idle.  
NOTE: Engine coolant temperature must be below 75°C (167°F).

PURGE CONTROL  
DIAPHRAGM VALVE



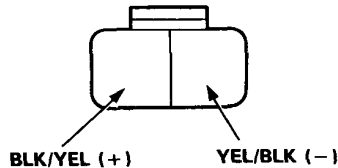
VACUUM PUMP/GAUGE

Is there vacuum ?

YES

Disconnect the 2P connector.

NO



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

Is there battery voltage ?

YES

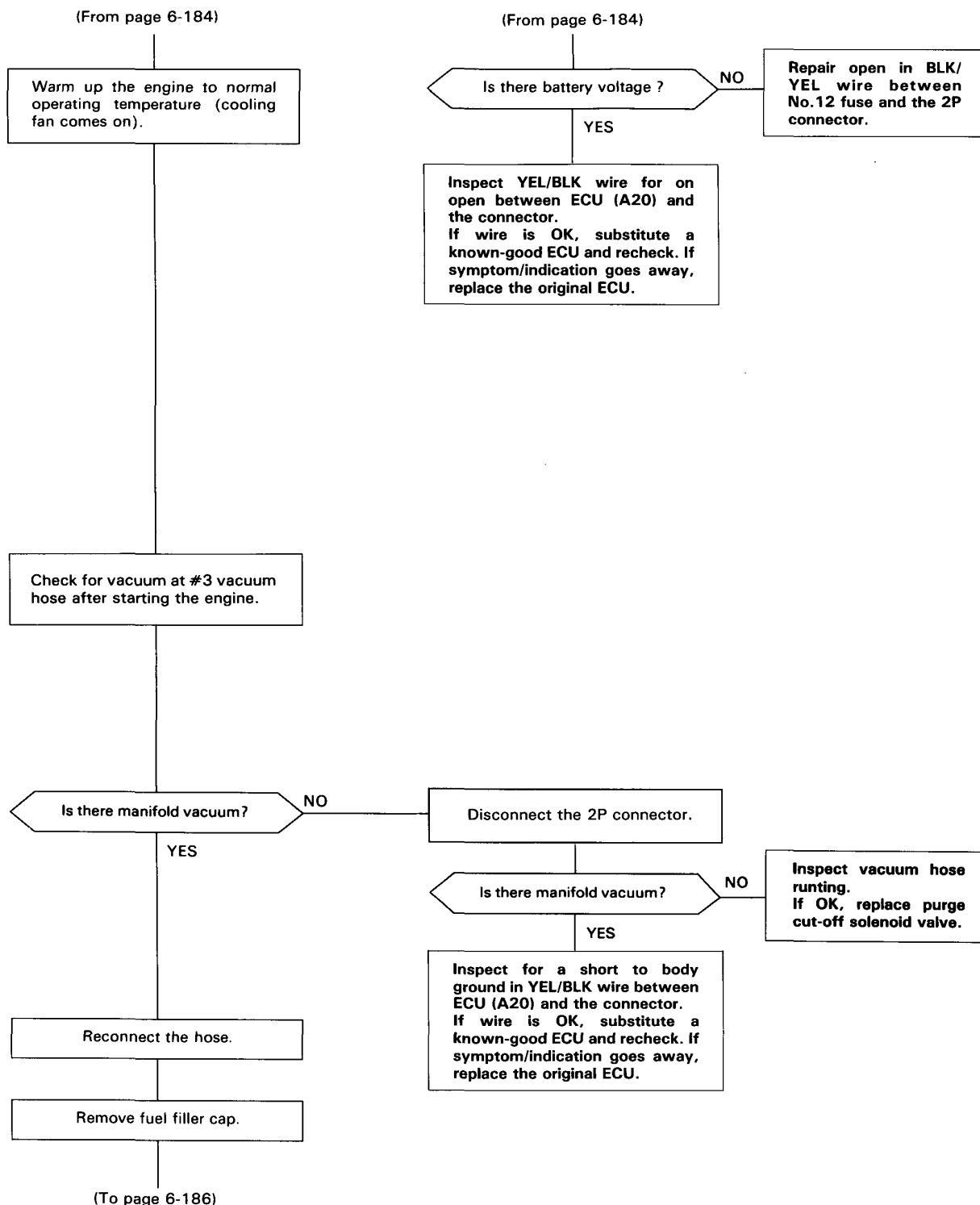
Inspect vacuum hose  
routing.  
If OK, replace purge  
cut-off solenoid valve.

NO

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

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# Emission Control System

## Evaporative Emission Controls (cont'd)

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Connect a vacuum gauge to canister purge air hose.

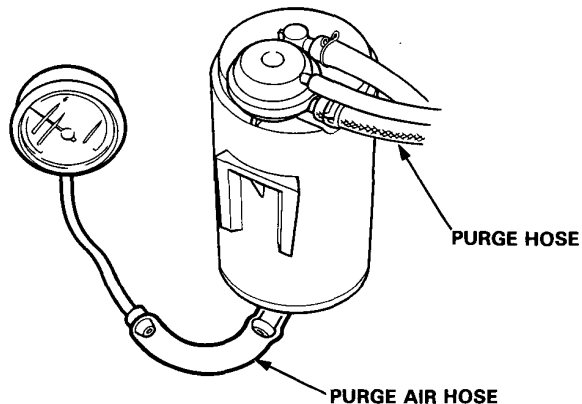
Start the engine and raise speed to 3,500 min<sup>-1</sup> (rpm).

Does vacuum appear on gauge within 1 minute?

YES

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

VACUUM/PRESSURE GAUGE, 0-4 in. Hg



Connect a vacuum gauge to the canister purge hose and raise the engine speed to 3,500 min<sup>-1</sup> (rpm).

Does vacuum appear on the gauge?

YES

Replace the canister.

Inspect the purge hose and throttle body port for pinch or blockage.