

Emission Control System

Evaporative Emission (EVAP) Controls (cont'd)

Troubleshooting Flowchart

Inspection of Evaporative Emission Controls.

Disconnect #6 vacuum hose from the EVAP purge control diaphragm valve (on the EVAP control canister) and connect a vacuum pump/gauge to the hose.

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

Is there vacuum ?

YES

NO

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VACUUM PUMP/
GAUGE
A973X-041-XXXX

#6 VACUUM HOSE

EVAP
PURGE CONTROL
DIAPHRAGM VALVE

EVAP
CONTROL
CANISTER

Turn the ignition switch OFF.

Disconnect the 2P connector from the EVAP purge control solenoid valve.

Start the engine.

EVAP
PURGE CONTROL
SOLENOID VALVE

LT
GRN (-)

BLK/
YEL (+)

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

Is there battery voltage ?

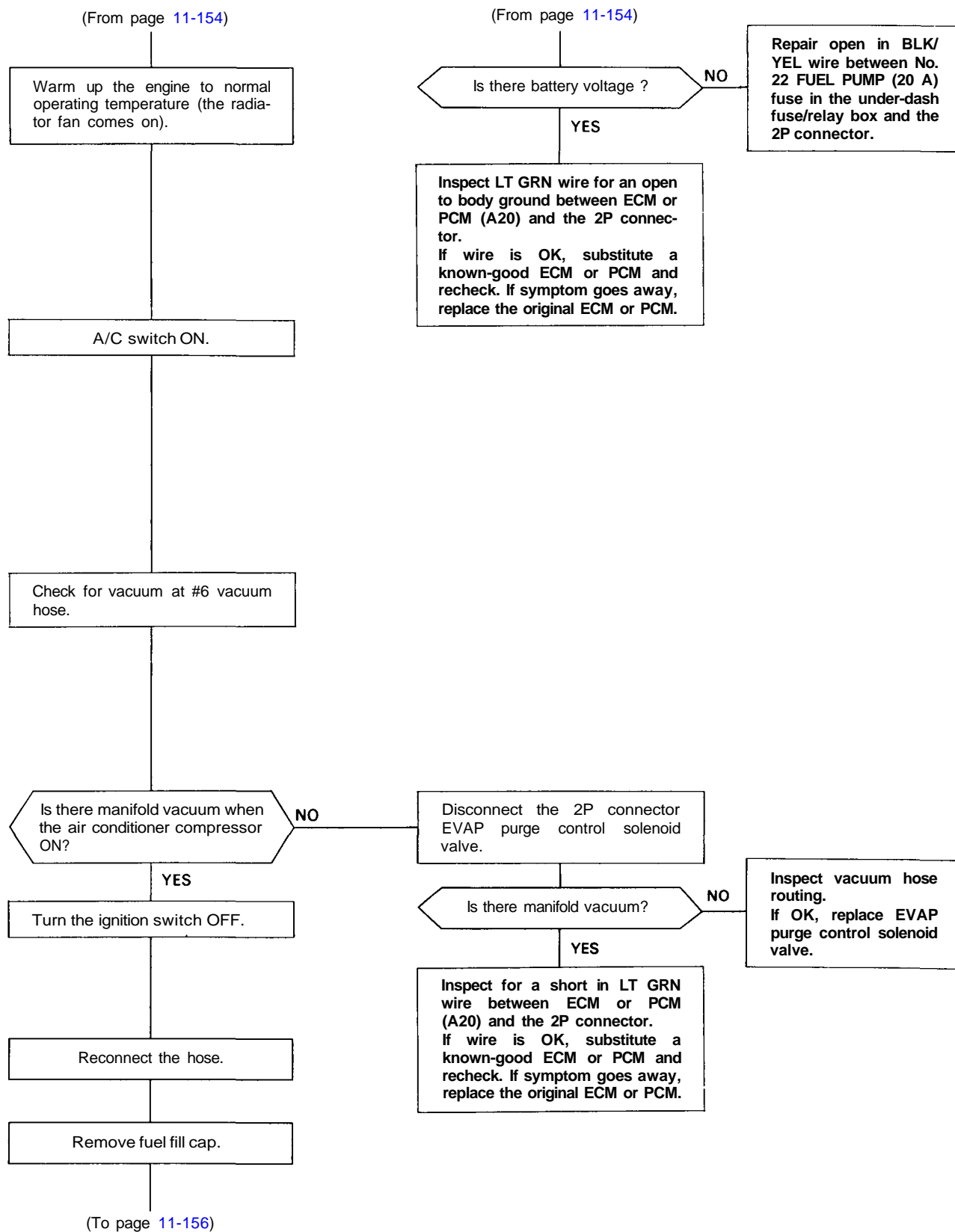
YES

NO

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

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

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(cont'd)

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Evaporative Emission (EVAP) Controls (cont'd)

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Connect a vacuum/pressure gauge to purge air hose.

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

Does vacuum appear on gauge within 1 minute?

YES

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

NO

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

Does vacuum appear on the gauge?

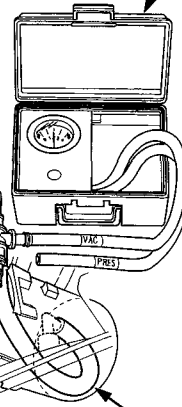
YES

Replace the EVAP control canister.

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

PURGE
HOSE

PURGE AIR HOSE



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

NO