

Emission Control System

Evaporative Emission (EVAP) Controls (cont'd)

EVAP bypass solenoid valve test.

Check the EVAP bypass solenoid valve:

1. Disconnect the vacuum hose from the EVAP two way valve, and connect a vacuum pump to the hose.
2. Turn the ignition switch ON (II).
3. Apply vacuum to the hose.

Does the valve hold vacuum?

YES

EVAP bypass solenoid valve/EVAP two-way valve is OK. Do the EVAP canister vent shut valve test (see page 11-99).

NO

Check the EVAP bypass solenoid valve:

1. Turn the ignition switch OFF.
2. Disconnect the EVAP bypass solenoid valve 2P connector.
3. Check for continuity between the EVAP bypass solenoid valve 2P connector terminal No. 2 and body ground.

Is there continuity?

NO

Replace the EVAP bypass solenoid valve and O-rings.

YES

Check for a short in the wire (2WBS line):

1. Disconnect the PCM connector F (8P).
2. Check for continuity between the EVAP bypass solenoid valve 2P connector terminal No. 2 and body ground.

Is there continuity?

YES

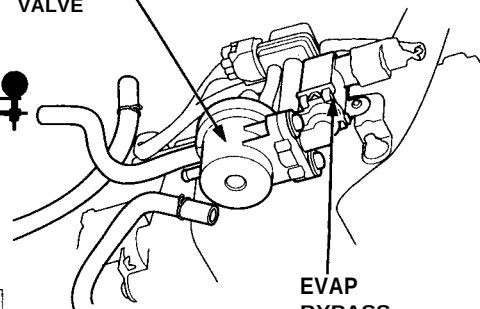
Repair short in the wire between PCM (F1) and EVAP bypass solenoid valve.

NO

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

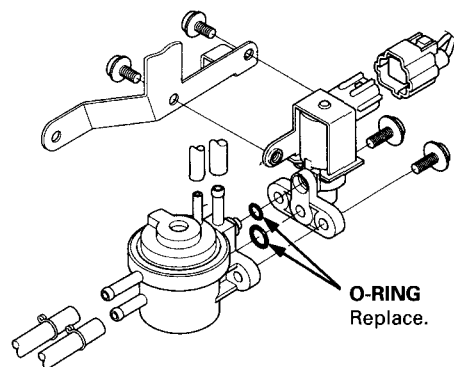
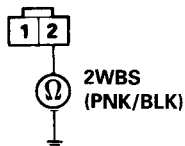
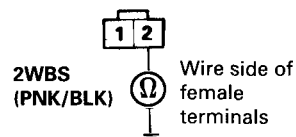
EVAP TWO-WAY VALVE

VACUUM PUMP/ GAUGE, 0-30 in.Hg
A973X -
041-
XXXXX



EVAP BYPASS SOLENOID VALVE

EVAP BYPASS SOLENOID VALVE 2P CONNECTOR (C675)



O-RING Replace.