

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. Connect the PCM connector terminal F1 to the body ground with a jumper wire.
3. Turn the ignition switch ON (II).
4. Apply vacuum to the hose.

EVAP TWO-WAY VALVE

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

EVAP BYPASS SOLENOID VALVE

PCM CONNECTOR F (8P)

2WBS
(PNK/
BLK)

1	2	3	4
5	6	7	8

JUMPER WIRE

Wire side of female terminals

Dose the valve hold vacuum?

NO

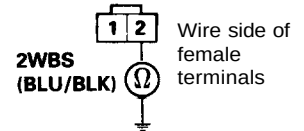
EVAP bypass solenoid valve/ EVAP two-way valve is OK. Do the EVAP control canister vent shut valve test (see page 11-185).

YES

Check for an open in the wire (2WBS line):

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.

EVAPBYPASSSOLENOID VALVE 2P CONNECTOR (C320)



Is there continuity?

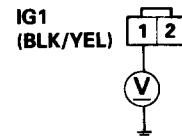
NO

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

YES

Check for an open in the wire (IG1 line):

1. Turn the ignition switch ON (II).
2. Measure voltage between the EVAP bypass solenoid valve 2P connector terminal No. 1 and body ground.



Is there battery voltage?

YES

Replace the EVAP bypass solenoid valve and O-rings.

NO

Repair open in the wire between the EVAP bypass solenoid valve and No. 20 ECU (PCM) (20 A).

