

CIRCUIT DESCRIPTION

This monitor runs for 1 second when EVAP purge VSV is activated.

WIRING DIAGRAM

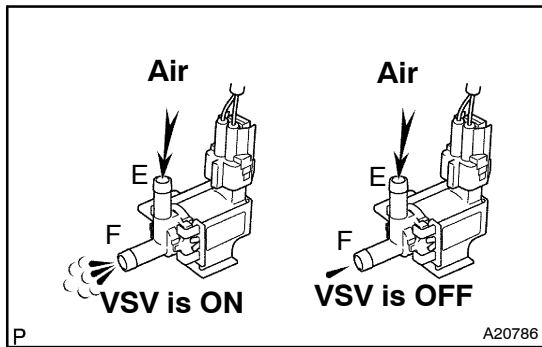


INSPECTION PROCEDURE

HINT:

Read freeze frame data using the hand-held tester. Freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, freeze frame data can help determine if the vehicle was running or stopped, if the engine was warmed up or not, if the air-fuel ratio was lean or rich, and other data from the time the malfunction occurred.

1 Check operation of EVAP VSV.



PREPARATION:

- Connect the hand-held tester to the DLC3.
- Turn ON the ignition switch and the hand-held tester main switch.
- Select the item "DIAGNOSIS / OBD/MOBD / ACTIVE TEST / EVAP VSV" (press the right or left button).

CHECK:

Check operation of the VSV when the VSV is operated by the hand-held tester.

OK:

VSV is ON:

There is no air from port E flows out through port F.

VSV is OFF:

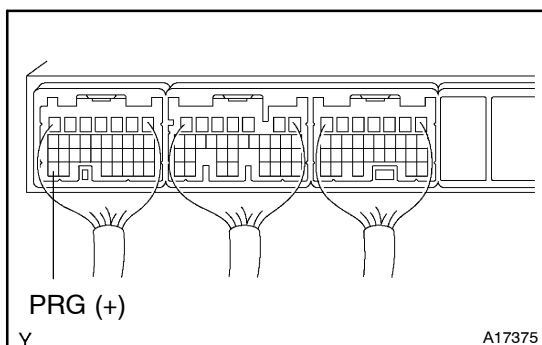
Air from port E flows out through port F.

OK

Check for intermittent problems
(See page DI-3).

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2 Check voltage between terminal PRG of engine control ECU connector and body ground.



PREPARATION:

- Remove the glove compartment.
- Turn the ignition switch ON.

CHECK:

Measure the voltage between terminals PRG of the ECU connector and body ground.

OK:

Voltage: 9 to 14 V.

OK

Repair or replace engine control ECU (See Pub. No. RM630E, page FI-74).

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3 Check EVAP VSV (See Pub. No. RM630E, page FI-61).

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Replace EVAP VSV.

OK

4 Check for open and short in wire harness between EVAP VSV and engine control ECU.

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Repair or replace harness and connector.

OK

5 Check for open and short in wire harness between EFI MAIN relay and EVAP VSV.

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Repair or replace harness and connector.

OK

Check engine control ECU power source circuit ([See page DI-237](#))