DTC	P0443/94	EVAPORATIVE EMISSION CONTROL SYSTEM PURGE CONTROL VALVE CIRCUIT MALFUNCTION

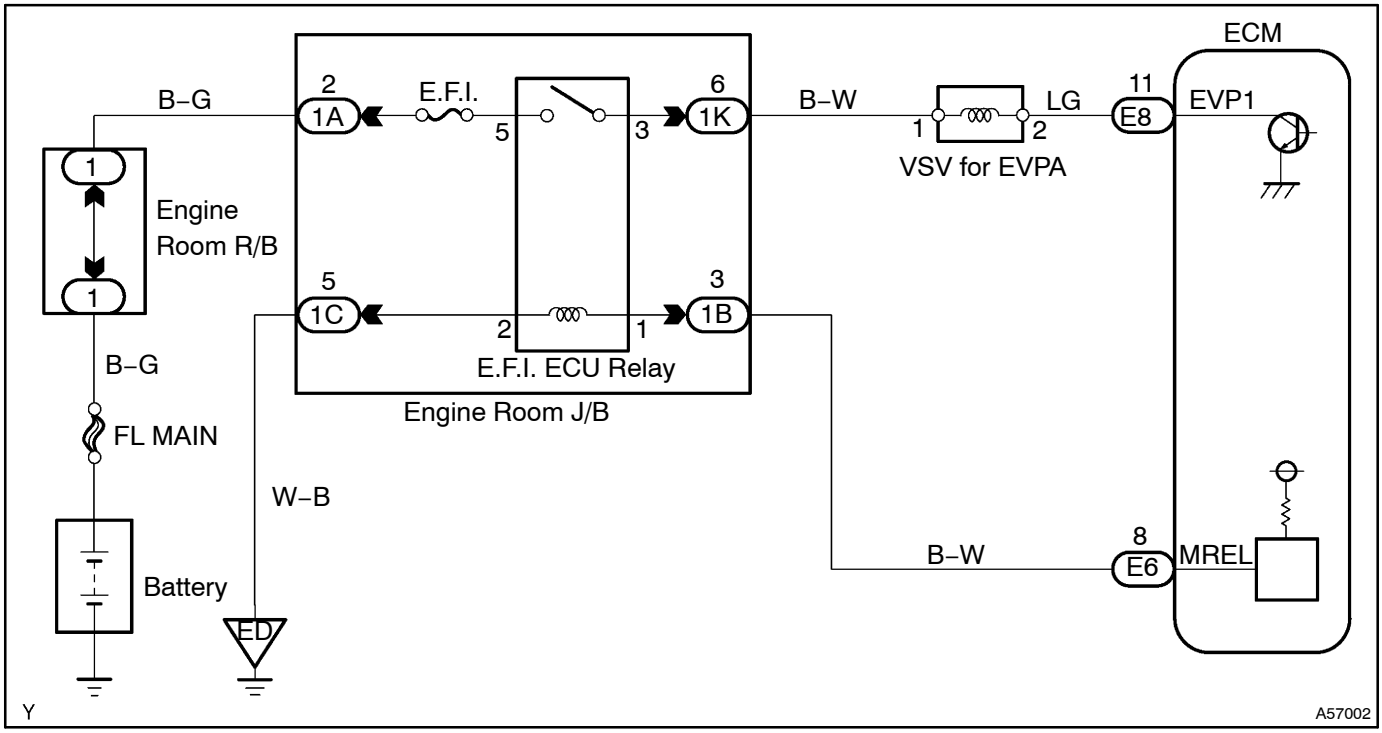
CIRCUIT DESCRIPTION

To reduce HC emissions, evaporated fuel from the fuel tank is routed through the charcoal canister to the intake manifold for combustion in the cylinders.

The ECM changes the duty signal to the VSV for the EVAP so that the intake quantity of HC emissions is appropriate for the driving conditions (engine load, engine speed, vehicle speed, etc.) after the engine is wamed up.

DTC No.	DTC Detection Condition	Trouble Area
P0443/94	Proper response to ECM command does not occur	• Open or short in VSV circuit for EVAP • VSV for EVAP • ECM

WIRING DIAGRAM

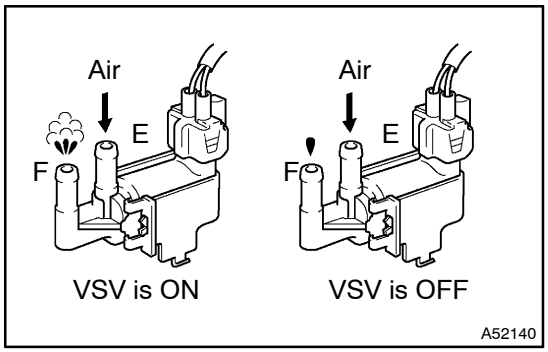


INSPECTION PROCEDURE

When using hand–held tester:

HINT:
Read freeze frame data using a hand–held tester. Because freeze frame records the engine conditions when the malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air–fuel ratio was lean or rich, etc. at the time of the malfunction.

1	PERFORM ACTIVE TEST BY HAND–HELD TESTER(FOR EVAP)



(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch and push the hand–held tester main switch ON.
(c) Select the ACTIVE TEST mode on the hand–held tester.
VSV is ON:
Air from port E flows out through port F.
VSV is OFF:
Air from port E flows out with hardly through port F.

OK → **CHECK FOR INTERMITTENT PROBLEMS**

NG

2	CHECK VSV(FOR EVAP) (See page 12–13)

NG → **REPLACE EMISSION CONTROL VALVE SET**

OK

3	CHECK HARNESS AND CONNECTOR(ECM – E.F.I. ECU RELAY)

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

CHECK AND REPLACE ECM

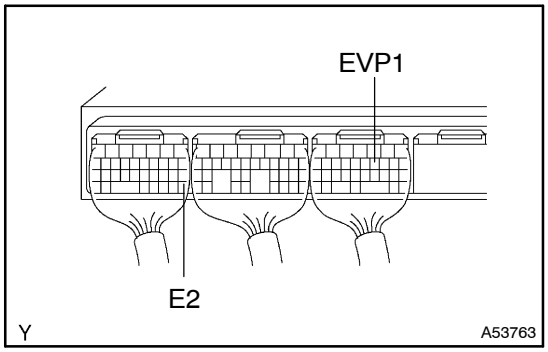
When not using hand–held tester:

1	CHECK VSV(FOR EVAP) (See page 12–13)

NG → REPLACE EMISSION CONTROL VALVE SET

OK

2	INSPECT ECM



(a) Turn the ignition switch ON.
(b) Measure the voltage between terminal EVP1 and E2 of the ECM connector.
Voltage: 9 – 14 V

NG → Go to step 3

OK

CHECK AND REPLACE ECM

3	CHECK HARNESS AND CONNECTOR(ECM – E.F.I. ECU RELAY)

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

CHECK AND REPLACE ECM