

EVAP VSV Monitor Description

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MONITOR SUMMARY

The ECM tests the evaporative emissions (EVAP) system using the vapor pressure sensor, the canister closed valve (CCV), and the EVAP vacuum switching valve (VSV). The ECM closes the EVAP system and introduces a negative pressure into it. The ECM then monitors the internal pressure using the fuel tank pressure sensor.

The ECM checks for a EVAP VSV “stuck closed” fault by commanding the EVAP VSV open with the CCV (vent) closed. The fuel tank should develop a high negative pressure (vacuum), but does not. The ECM determines that the despite an OPEN command, the EVAP VSV remained closed. The ECM turns on the MIL and a DTC is set.

The ECM checks for a EVAP VSV “stuck open” fault by commanding both valves (EVAP VSV and CCV) closed at a time when the fuel tank is at atmospheric pressure. If the fuel tank develops a high negative pressure (vacuum) at this early stage of the test, the ECM determines that the EVAP VSV is stuck open. The ECM will turn on the malfunction indicator lamp (MIL) and a DTC is set.

RELATED DTC

Related DTCs	P0441	• EVAP VSV stuck closed • EVAP VSV stuck open
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MODEL YEAR CHART

Model Year	See Page
2003 and 2004	Ev-89