EVAP Leak 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 checks for leaks in the EVAP system by introducing a high negative pressure (vacuum) from the intake manifold by commanding the EVAP VSV open while the CCV (vent) is closed. After sufficient time has elapsed the fuel tank should have developed a high negative pressure (vacuum) and the EVAP VSV is closed. The ECM then monitors the pressure–rise (loss of vacuum) in the fuel tank. If the pressure rises too rapidly, the ECM concludes that there is a leak in the system. The ECM will turn on the malfunction indicator lamp (MIL) and a DTC is SET. The ECM has separate DTCs for small and large leaks.

RELATED DTC

Related DTCs	P0442	0.040” EVAP leak
	P0456	0.020” EVAP leak

MODEL YEAR CHART

Model Year	See Page
2003 and 2004	Ev–86