

- VBV circuit open
- VBV circuit short to ground
- Damaged EVAP vapor blocking valve

Diagnostic Aids:

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	GO to Pinpoint Test HX .		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P2450 - EVAP SYSTEM SWITCHING VALVE PERFORMANCE/STUCK OPEN - DTC CHART

P2450 - EVAP SYSTEM SWITCHING VALVE PERFORMANCE/STUCK OPEN - DTC CHART

Description: The PCM commands the evaporative emission (EVAP) vapor blocking valve closed while vacuum is present in the fuel tank. If the valve does not close, the vacuum in the tank is quickly lost. This DTC sets when the rate of vacuum loss is greater than a calibrated threshold.

Possible Causes:

- Contaminated EVAP vapor blocking valve
- EVAP vapor blocking valve stuck open
- Damaged EVAP vapor blocking valve

Diagnostic Aids: Retrieve all continuous memory and on-demand self-test DTCs from the PCM. Diagnose and repair any circuit related EVAP vapor blocking valve DTCs before diagnosing this performance DTC.

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	GO to Pinpoint Test HX .		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P2510 - ECM/PCM POWER RELAY SENSE CIRCUIT RANGE/PERFORMANCE - DTC CHART

P2510 - ECM/PCM POWER RELAY SENSE CIRCUIT RANGE/PERFORMANCE - DTC CHART

Description: The ISP-R and the INJPWRM circuits are monitored for correlation. This DTC sets when the voltage on the ISP-R and the INJPWRM circuit voltages do not correspond for a calibrated period of time.

Possible Causes:

- Ignition circuit fuse