

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0023 - EXHAUST CAMSHAFT POSITION ACTUATOR CIRCUIT/OPEN (BANK 2) - DTC CHART

P0023 - EXHAUST CAMSHAFT POSITION ACTUATOR CIRCUIT/OPEN (BANK 2) - DTC CHART

Description: This DTC sets when a low or high voltage on the VCT22 circuit is detected. The test fails if the voltage exceeds a calibrated limit for a calibrated amount of time.

Possible Causes:

- VCT22 circuit open
- VCT22 circuit short to voltage
- VCT22 circuit short to ground
- VPWR circuit open
- Damaged variable camshaft timing bank 2 solenoid 2 (VCT22)

Diagnostic Aids:

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0024 - EXHAUST CAMSHAFT POSITION TIMING - OVER-ADVANCED (BANK 2) - DTC CHART

P0024 - EXHAUST CAMSHAFT POSITION TIMING - OVER-ADVANCED (BANK 2) - DTC CHART

Description: This DTC sets when the variable camshaft timing (VCT) position is over-advanced. The test fails when the camshaft timing exceeds a maximum calibrated value or remains in an advanced position.

Possible Causes:

- VCT unit to camshaft alignment
- Camshaft timing incorrectly set
- Continuous oil flow to the VCT piston chamber
- Erratic camshaft position due to low oil pressure
- Oil flow restriction in the oil passages or the VCT valve body
- Variable camshaft timing bank 2 solenoid 2 (VCT22) valve stuck open