

- Variable camshaft timing bank 2 solenoid 1 (VCT21) valve stuck open
- Camshaft advance mechanism binding (VCT unit)

Diagnostic Aids: This DTC is a functional check of the VCT unit. Diagnose any base engine concerns related to the engine oil pressure or engine timing. Refer to the service information , Engine System, Oil Pressure Test, to check the engine oil pressure. Refer to the service information , Engine, Timing Drive Components, to check the engine timing.

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P053F - COLD START FUEL PRESSURE PERFORMANCE BANK 1 - DTC CHART

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Description: The PCM monitors fuel rail pressure to control split injection. This DTC sets if the fuel rail pressure falls outside a calibrated threshold limit for controlling split injection during a cold start.

Possible Causes:

- Restricted fuel filter
- Restricted fuel supply line
- Damaged fuel pump assembly
- Damaged fuel injection pump

Diagnostic Aids: Diagnose any FRP and FVR circuit DTCs first.

Various engine driveability symptoms, including no start, hard start, rough idle, and backfiring may occur as a result of this DTC setting. This DTC may be accompanied by other DTCs, particularly P0087, P0088, or P00C6.

Freeze frame data is not applicable to the cold start emission reduction monitor. For additional information, refer to COLD START EMISSION REDUCTION MONITOR .

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P054A - COLD START EXHAUST (B) CAMSHAFT POSITION TIMING OVER-ADVANCED (BANK 1) - DTC CHART

P054A - COLD START EXHAUST (B) CAMSHAFT POSITION TIMING OVER-ADVANCED (BANK 1) - DTC CHART