

- Damaged PCM

Diagnostic Aids:

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P2197 - O2 SENSOR SIGNAL BIASED/STUCK LEAN - BANK 2, SENSOR 1 - DTC CHART

P2197 - O2 SENSOR SIGNAL BIASED/STUCK LEAN - BANK 2, SENSOR 1 - DTC CHART

Description: A universal heated oxygen sensor bank 2, sensor 1 (HO2S21) indicating lean at the end of a test is trying to correct for an over lean condition. This DTC sets when the fuel control system no longer detects switching for a calibrated amount of time.

Possible Causes:

- Water in the harness connector
- UO2SPC21 circuit open
- Corrosion
- Incorrect connections
- Low fuel pressure or running out of fuel
- EVAP purge valve stuck open
- Biased MAP sensor signal
- Incorrect learned ethanol content
- Air leaks after the mass airflow (MAF) sensor (if equipped)
- Contaminated MAF sensor (if equipped)
- Vacuum leaks
- Positive crankcase ventilation (PCV) system is leaking
- Incorrectly seated engine oil dipstick
- Leaking gasket
- Camshaft timing
- Exhaust leaks before or near the universal HO2S21
- Damaged universal HO2S21
- Damaged PCM