

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P064E - INTERNAL CONTROL MODULE O2 SENSOR PROCESSOR PERFORMANCE - BANK 2 - DTC CHART

P064E - INTERNAL CONTROL MODULE O2 SENSOR PROCESSOR PERFORMANCE - BANK 2 - DTC CHART

Description: The PCM monitors the application specific integrated circuit that controls and monitors the universal heated oxygen sensor bank 2, sensor 1 (HO2S21). This DTC sets when the PCM detects an internal circuit or communication concern.

Possible Causes:

- Damaged universal HO2S21 wiring
- Damaged PCM

Diagnostic Aids: Check for other DTCs and diagnose those first. Check for intermittent universal HO2S wiring concerns. Check the universal HO2S wiring between the PCM and the sensor for damage. Check for aftermarket performance products. Reprogram or update the calibration. Clear the DTCs, repeat the self-test. If the DTC is retrieved again, install a new PCM. Refer to FLASH ELECTRICALLY ERASABLE PROGRAMMABLE READ ONLY MEMORY (EEPROM) .

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	Refer to the Description, Possible Causes and Diagnostic Aids for the DTC.		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0652 - SENSOR REFERENCE VOLTAGE B CIRCUIT LOW - DTC CHART

P0652 - SENSOR REFERENCE VOLTAGE B CIRCUIT LOW - DTC CHART

Description: This DTC sets when the electronic throttle control reference voltage (ETCREF) circuit is less than VREF minimum.

Possible Causes:

- ETCREF circuit short to ground
- Damaged sensor
- Incorrect harness connection

Diagnostic Aids: This DTC sets due to an under voltage condition on the ETCREF circuit.

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