

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P1336 - CRANKSHAFT/CAMSHAFT SENSOR RANGE/PERFORMANCE - DTC CHART

P1336 - CRANKSHAFT/CAMSHAFT SENSOR RANGE/PERFORMANCE - DTC CHART

Description: This DTC sets when the input signal from the crankshaft position (CKP) sensor or the camshaft position (CMP) sensor is erratic.

Possible Causes:

- Damaged CKP sensor
- Damaged CMP sensor
- Base engine concerns
- Harness concerns

Diagnostic Aids: Check the harness for routing, alterations, incorrect shielding, or electrical interference from other systems.

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

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P1397 - SYSTEM VOLTAGE OUT OF SELF - TEST RANGE - DTC CHART

P1397 - SYSTEM VOLTAGE OUT OF SELF - TEST RANGE - DTC CHART

Description: This DTC sets when the 12-volt system voltage is too high or too low during the key ON engine OFF (KOEO) or key ON engine running (KOER) self-test. It sets if the system voltage falls below or exceeds the calibrated threshold at any time during the KOEO or KOER self-test.

Possible Causes:

- Battery or charging system concern

Diagnostic Aids: Make sure the battery voltage is between 11 and 18 volts before running a KOEO or KOER self-test. Refer to the service information , Electronic Engine Controls.

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