Crankshaft Position/Top Dead Center (CKP/TDC) Sensor

**P0335**
The scan tool indicates Diagnostic Trouble Code (DTC) P0335: No signal in the Crankshaft Position (CKP) sensor circuit.

**P0336**
The scan tool indicates Diagnostic Trouble Code (DTC) P0336: Intermittent interruption in the Crankshaft Position (CKP) sensor circuit.

**P1361**
The scan tool indicates Diagnostic Trouble Code (DTC) P1361: Intermittent interruption in the Top Dead Center (TDC) sensor circuit.

**P1362**
The scan tool indicates Diagnostic Trouble Code (DTC) P1362: No signal in the Top Dead Center (TDC) sensor circuit.

**Description**
The CKP Sensor determines timing for fuel injection and ignition of each cylinder and also detects engine speed. The TDC Sensor determines ignition timing at start-up (cranking) and when crank angle is abnormal.

**NOTE:** If DTC P1359 is stored at the same time as DTC P0335, P0336, P1361 and/or P1362, troubleshoot DTC P1359 first, then troubleshoot those DTCs.

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**Problem verification:**
1. Do the ECM/PCM Reset Procedure.
2. Start the engine.

Is DTC P0335, P0336, P1361 and/or P1362 indicated?

NO

Intermittent failure, system is OK at this time. Check for poor connections or loose wire at C267 (located at right shock tower), C124 (CKP/TDC Sensor) and ECM/PCM.

**Check for an open in the CKP/TDC sensor:**
1. Turn the ignition switch OFF.
2. Disconnect the CKP/TDC sensor 4P connector.
3. Measure resistance between the terminals of the indicated sensor (see table).

Is there 1,850 - 2,450 Ohms?

NO

Replace the CKP/TDC sensor (see section 6).

YES

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**Check for a short in the CKP/TDC sensor:**
Check continuity to body ground on both terminals of the indicated sensor individually.

- Is there continuity?
  - **YES** Replace the CKP/TDC sensor.
  - **NO**

**Check for an open in the wires (CKP/TDC lines):**
1. Reconnect the CKP/TDC sensor 4P connector.
2. Disconnect the ECM/PCM connector C (31P)
3. Measure resistance between the terminals of the indicated sensor on the ECM/PCM connector (*see table).

- Is there 0.5-1.0?
  - **YES** Repair open in the indicated sensor wires (*see table).
  - **NO** Substitute a known-good ECM/PCM and recheck. If symptom/indication goes away, replace the original ECM/PCM.

- **TERMINAL SIDE OF MALE TERMINALS**

- **WIRE SIDE OF FEMALE TERMINALS**