

- **40) Continuous Memory DTC P1336: Check Hall Effect CMP Sensor Output, PCM Disconnected**

NOTE: For additional testing information, see DIAGNOSTIC AIDS.

This fault indicates CKP or CMP sensor input signal to PCM was erratic. Possible causes for this fault are:

- Faulty Powertrain Control Module (PCM)
- Faulty Camshaft Position (CMP) Or Crankshaft Position (CKP) Sensor
- Engine Mechanical Concern
- Harness Concerns

Turn ignition switch to OFF position. Disconnect PCM connector(s). Inspect connector for loose, damaged or corroded terminals. Repair as necessary. Using a DVOM, measure voltage between CMP and PWR GND circuits at PCM harness connector. See WIRING DIAGRAMS. See **Fig. 4** or **Fig. 5**. Use remote starter switch and bump engine in short bursts for at least 10 revolutions. If voltage switches between less than 2 volts and more than 8 volts, check CMP sensor for correct installation and synchronization (if necessary). See IGNITION SYSTEM in appropriate REMOVAL, OVERHAUL & INSTALLATION article. If CMP sensor is correctly installed and synchronized, replace PCM. If voltage does not switch between less than 2 volts and more than 8 volts, replace CMP sensor.