



## TT436: VEHICLE SPEED SENSOR DIAGNOSTICS

June 10, 2014



Electrical

### SB-10056032-8104

| APPLIES TO           | SYMPTOMS                                       |
|----------------------|------------------------------------------------|
| All 2012-2014 models | • Intermittent or Erratic Electrical Operation |

### Inoperative Vehicle Speed Sensor (VSS)

While diagnosing VSS circuit problems, the VSS is typically being replaced. However, the sensors are being tested at the manufacturer and many are coming back with no trouble found.

Perform the following steps before replacing the vehicle speed sensor.

#### NOTE

*Many times a problem with the VSS connector is the reason for a VSS circuit fault.*

1. Follow the normal diagnostic process found in the appropriate electrical diagnostic manual.
2. Inspect the connector for the following issues:
  - a. Contamination.
  - b. Proper pin engagement.
  - c. Corrosion. If corrosion is present, replace the connector.
3. If vehicle speed sensor is still suspected, replace sensor.
4. Always apply Harley-Davidson ELECTRICAL CONTACT LUBRICANT (Part No. 11300004) to connector.