



## TT432: SPORTSTER OIL PRESSURE SWITCH DIAGNOSTICS AT PDI

February 10, 2014



Electrical

SB-10055876-6520

APPLIES TO	SYMPTOMS
All 2014 and Later XL Models at PDI	• Intermittent or Erratic Electrical Operation

A substantial number of warranty claims have been filed for the oil pressure switch (Part No. 26554-77B) at PDI. Of the switches returned, most function correctly. Initial troubleshooting of an oil pressure indicator lamp that does not illuminate at ignition on can reveal a loose oil pressure switch connector [120]. Additional troubleshooting for an indicator lamp that stays illuminated after the engine has reached idle speed can reveal an air-bound oil passage at the switch as the probable cause.

### Oil Pressure Lamp Inoperative: Loose Connector

1. Turn ignition on.
2. If the oil pressure lamp does not illuminate, turn off ignition.
3. Verify that the oil pressure switch connector [120] is firmly connected to the switch.
4. Turn ignition on.
5. Verify oil pressure lamp illumination.

If the oil pressure lamp does not illuminate, proceed to the troubleshooting diagnostics found in the electrical diagnostic manual.

### Oil Pressure Lamp Always On: Air-Bound Oil Passage at the Switch

1. Turn ignition on.
2. Verify oil pressure lamp illumination.
3. Start the engine.
4. If the lamp remains illuminated above engine idle speed, shut off engine.

#### NOTES

- Loosen the switch only far enough to allow a small amount of oil to seep past the threads.
  - As the switch is loosened, listen and watch for the sound and/or sight of an air bubble escaping.
  - The oil pressure switch has a tapered pipe thread. Do not over-tighten.
5. Bleed the oil passage at the oil pressure switch.
    - a. Place a container under the oil pressure switch.
    - b. Loosen but do not remove the switch.
    - c. Allow a small amount of oil to drain past the switch.
    - d. Tighten switch.
  6. Start the engine.
  7. Verify oil pressure lamp operation.

If lamp remains illuminated above engine idle speed, proceed to the troubleshooting diagnostics found in service manual and the electrical diagnostic manual.