

PARTS & SERVICE NEWS

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(C)

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SUBJECT: UPGRADE ENGINE OIL PRESSURE SWITCH

PURPOSE: Provide procedure to install switch to existing harness.

APPLICATION: GD530A/AW Graders Serial Number 200840 thru 202843
 GD650A/AW Graders Serial Number 200840 thru 202843
 GD670A/AW Graders Serial Number 200840 thru 202843
 830 Graders Serial Number 100496 thru 202843
 850 Graders Serial Number 100477 thru 202843
 870 Graders Serial Number 100481 thru 202843

FAILURE CODE: DDE25C

DESCRIPTION:

Introduction:

Engine Oil Pressure Switch, **882665C1** has been replaced by **1436569H1** which has proven more durable in an engine mounted application. The previous switch had screw terminals and is replaced by a switch with a Packard Weatherpack connector. This **PARTS & SERVICE NEWS** presents the procedure for replacing the ring terminals in the wiring harness with the mating Packard Weatherpack connector. Making this modification will result in the hour meter being triggered by the ignition key switch.

The following parts will be needed for switch replacement:

| Part Number | Qty. | Description |
|-------------|------|--------------------|
| 83722 | 6" | Black 16 gage Wire |
| 55820 | 1 | Connector, Butt |
| 1209473H1 | 1 | Shroud, Female |
| 1209455H1 | 2 | Pin, Male |
| 1209477H1 | 2 | Seal, Cable |

– NOTE –

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1. Disconnect battery ground cable before disconnecting 3 wires, black, #37 violet, #31P yellow from switch terminals.
2. Remove existing 882665C1 Engine Oil Pressure Switch (1, Figure 1).
3. Install new 1436569H1 Engine Oil Pressure Switch (2).

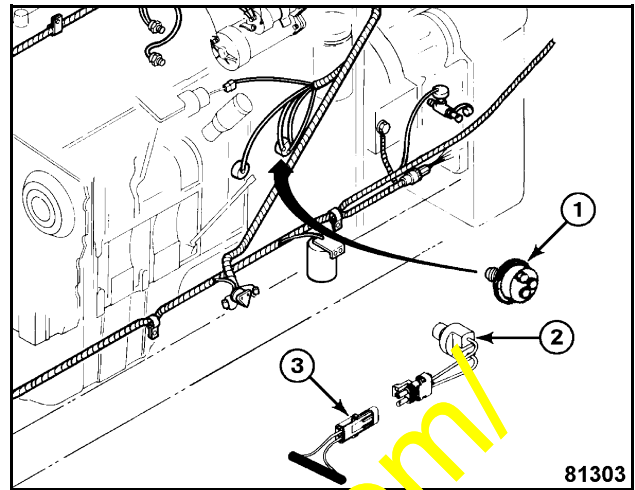


Figure 1 Engine Oil Pressure Switch

4. Remove ring terminals from harness wires; strip 1/4" insulation from wires.
5. Using the butt splice, connect the black and #37 violet wires together on one side and add the 6" black wire to the other side (see Figure 2).

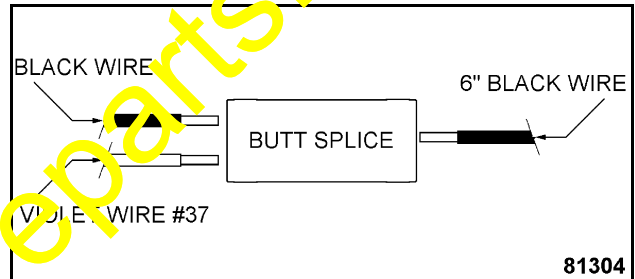


Figure 2

6. Install Packard Weatherpack connector (3, Figure 3) per instructions following:
7. Place 1209477H1 seal (1) on end of insulation. Use Packard Weatherpack crimper to apply 1209435H1 pin (2) to wire.
8. Push pin into 1209473H1 shroud (3) from the rear until locked in place.
9. Firmly seat seals (1) using Packard cable seal insert tool and close rear of shroud (4) locking into place.

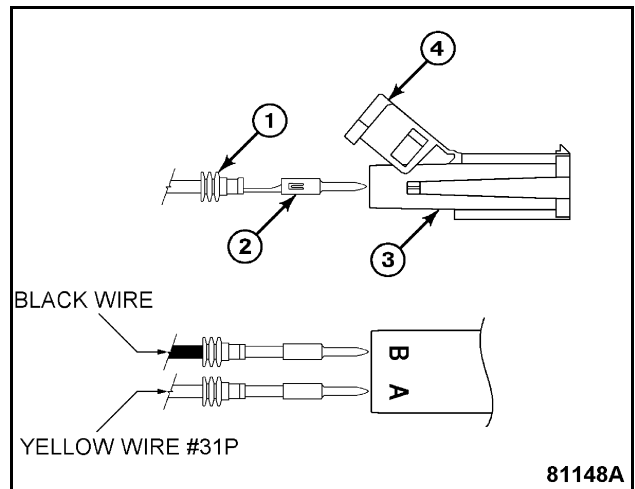


Figure 3 Installing Packard Weatherpack connector

10. Apply 1434023H1 Lubriplate to all terminals and fill female connectors ½ full.
11. After installing new switch, connect switch connector to new connector on harness; reconnect battery ground cable.

NOTE: *Hour meter will now run from key switch.*

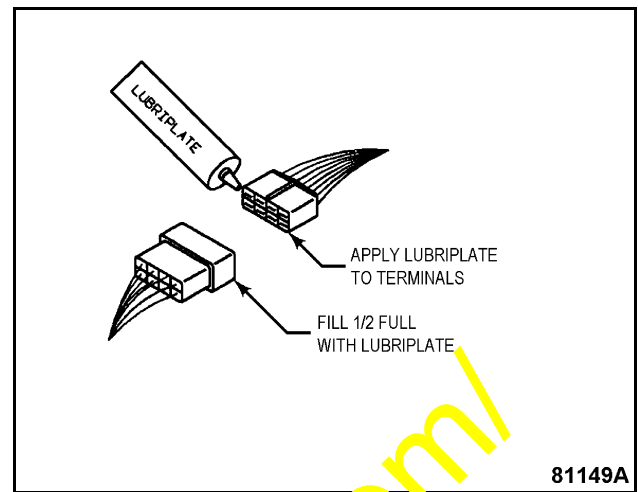


Figure 4 Apply Lubriplate to terminals

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