

PARTS & SERVICE NEWS

REF NO. AA01001A

DATE February 15, 2002

(C)

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This Parts & Service News supercedes AA01001 dated January 2, 2001, which should be discarded.

SUBJECT: ENGINE OIL PRESSURE WARNING SWITCH

PURPOSE: To provide engine oil pressure switch that eliminates unnecessary activation of oil pressure warning light and audible alarm.

APPLICATION: 830B Graders Serial Number 202844 thru 210654
 830C Graders Serial Number 202844 thru 210654
 850B Graders Serial Number 202844 thru 210654
 850C Graders Serial Number 202844 thru 210654
 870B Graders Serial Number 202844 thru 210654
 870C Graders Serial Number 202844 thru 210654
 GD530A-2BY Graders Serial Number 202844 thru 210654
 GD530A-2CY Graders Serial Number 202844 thru 210654
 GD530AW-2BY Graders Serial Number 202844 thru 210654
 GD530AW-2CY Graders Serial Number 202844 thru 210654
 GD650A-2BY Graders Serial Number 202844 thru 210654
 GD650A-2CY Graders Serial Number 202844 thru 210654
 GD650AW-2BY Graders Serial Number 202844 thru 210654
 GD650AW-2CY Graders Serial Number 202844 thru 210654
 GD670A-2BY Graders Serial Number 202844 thru 210654
 GD670A-2CY Graders Serial Number 202844 thru 210654
 GD670AW-2BY Graders Serial Number 202844 thru 210654
 GD670AW-2CY Graders Serial Number 202844 thru 210654

FAILURE CODE: DHE4KC

DESCRIPTION: When engine oil pressure falls below a preset level, the switch closes and completes an electrical circuit to light the low-oil-pressure warning lamp and sound the audible alarm in the operator's cab. Contacts in the old switch (part number 5742-569 H1) close at 13 psi; contacts in the replacement switch (part number 5742-01-5169) close at 6 psi. The new switch provides adequate warning of low engine oil pressure but eliminates momentary activation of the warning light and audible alarm, such as when the engine decelerates quickly to idle speed.

- NOTE -

The information in this **PARTS & SERVICE NEWS** does not authorize or imply any obligation on the part of Komatsu America International Company to provide reimbursement for any expenses. Machines requiring part repair or part replacement during the machine warranty are covered under normal warranty. Out-of-warranty machines are the responsibility of the distributor/customer.

The following parts are required.

No.	Part Number	Quantity	Description
1	6742-01-5169	1	Switch, engine oil pressure
2	418-06-11330	1	Connector assembly
3	418-06-11340	2	Terminal, female
4	20Y-06-18360	1	Plug, cavity

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- NOTE -

The oil pressure switch is located on the engine block, fuel pump side. Both old and replacement switches have the same thread size. A new wiring connector is required on the engine wiring harness.

1. Disconnect the wiring connector from the oil pressure switch (Fig. 1 or Fig. 2).

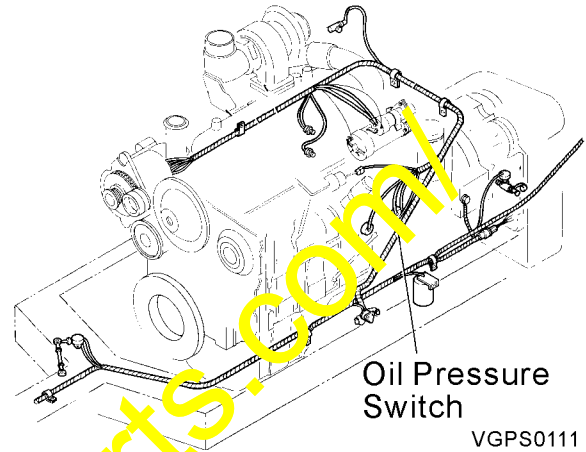


Figure 1

2. Cut the yellow wire (marked 31P) and the black wire at the base of the connector to remove that connector half from the engine harness.

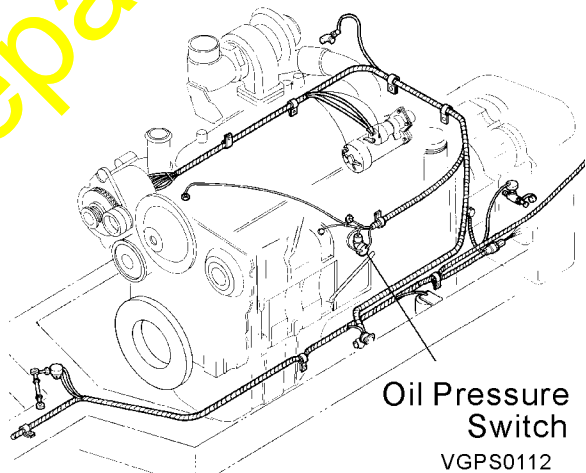
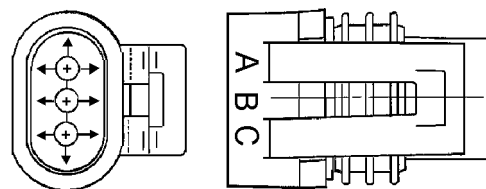


Figure 2

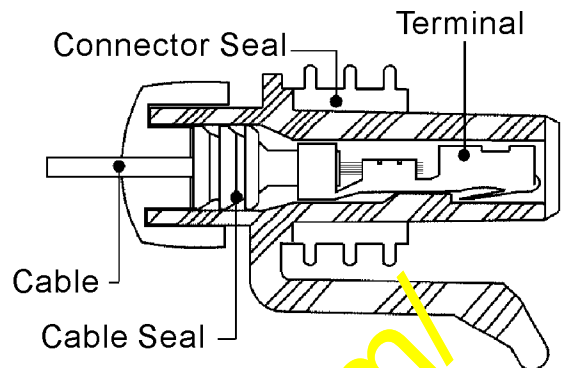
3. Pull the black wire through the cable seal and into the new connector at position A (Fig. 3).



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Figure 3

4. Pull the yellow wire 31F through the cable seal (Fig. 4) and new connector at position C.
5. Crimp the terminals into place on the black and yellow wires.
6. Plug opening at position B of the plug with the cavity plug (Fig. 3).
7. Pull the wire to seat the terminal.



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Figure 4

8. Unscrew and remove the old oil pressure switch from the engine block (C-series engine) or from the pipe tee (B-series engines).
9. Install the new pressure switch in its place. Thread size for both switches is the same.
10. Connect the new connector half (installed to the engine wiring harness earlier) to the new oil pressure switch.

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