

LOW ENGINE OIL PRESSURE INDICATION

1. PLANNING INFORMATION

- A. EFFECTIVITY Part A – PAL 750XL aircraft up to S/N XL217
Part B – PAL 750XL aircraft up to S/N XL217 with P/N INS 60-8 oil pressure / temperature indicators installed.

- B. REASON The low oil pressure warnings are incorrectly marked and annunciated.

- C. DESCRIPTION Part A – LOW OIL PRESS light; pressure switch is adjusted or replaced.
Part B – Oil pressure indicator is replaced.

- D. COMPLIANCE Part A – At next 150 hour check.
Part B – At next 150 hour check after receipt of replacement parts, and before 01 Apr 2018.

- E. APPROVAL By delegated authority.

- F. TOOLING Dead weight tester (optional).

- G. WEIGHT AND BALANCE No change.

- H. REFERENCE 750XL Maintenance Manual
Chapter 79-00-00

- I. HOURS REQUIRED Part A – 1 Hour.
Part B – 1 Hour.

- J. WARRANTY COVER Normal Warranty conditions apply.

Caution: Temporary Revisions issued for the Pilots Operating Manuals and Aircraft Maintenance Manuals (Released August 2017) to ensure compliance with this Service Bulletin. The relevant Temporary Revision for the operators' aircraft may be downloaded from the Pacific Aerospace website.

2. PART A – ACCOMPLISHMENT INSTRUCTIONS

LOW OIL PRESS LIGHT SWITCH REPLACEMENT

Method

To replace the existing low pressure switch, proceed as follows:

- 1) Remove the engine cowls; refer aircraft maintenance manual section 71-00-00.
- 2) Remove the P/N 76063 and install the 11-59033-1 oil pressure switch.
(Refer to FIGURE 1)

Note: If required, modify the existing oil pressure switch as per Part A Modification of the existing oil pressure switch.

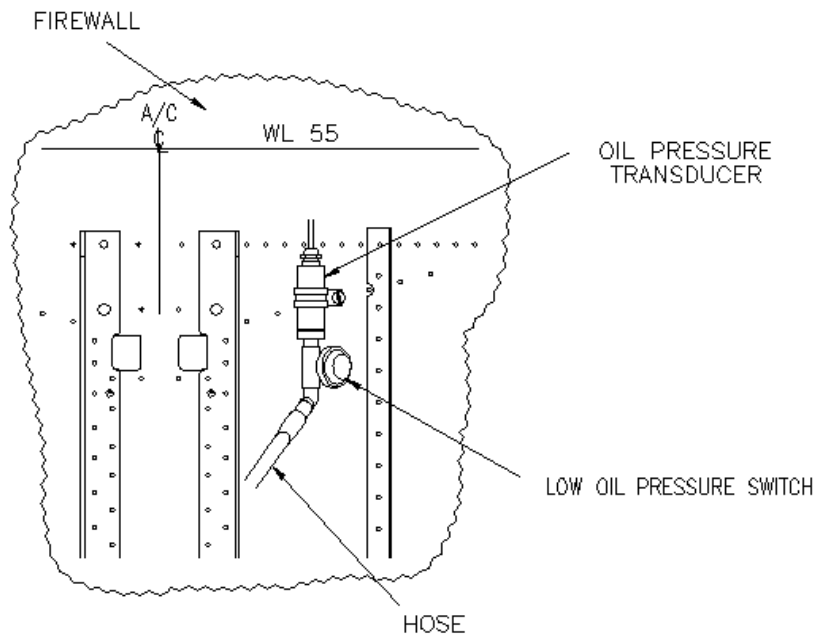


FIGURE 1 LOW OIL PRESSURE SWITCH LOCATION

- 3) Carry out an engine run to ensure there are no leaks.
- 4) Shut down the engine and observe the oil pressure ensuring that the LOW OIL PRESS light (Refer to FIGURE 2) illuminates between 38 and 40 psi.
- 5) Install the minimum oil pressure placard DEC-1-0439 below the oil pressure / temperature indicator. (Refer to FIGURE 3).
- 6) Refit the engine cowls; refer aircraft maintenance manual section 71-00-00.
- 7) Update aircraft maintenance records to reflect maintenance carried out.



FIGURE 2 OIL PRESSURE LOW ANNUNICATOR LIGHT



FIGURE 3 OIL PRESSURE INDICATOR

Modification of the Existing Oil Pressure Switch

This procedure may be carried out in lieu of ordering a replacement part.

- 1) Remove the engine cowls; refer aircraft maintenance manual section 71-00-00.
- 2) Remove the rubber grommet from the P/N 76063 pressure switch.
- 3) Connect pressure switch to dead weight tester.
- 4) Using a hex drive, adjust switch so the switch closes at 39 ± 0.5 psi.
- 5) Disconnect the dead weight tester, refit the grommet.
- 6) Carry out an engine run to ensure there are no leaks.
- 7) Refit the engine cowls; refer aircraft maintenance manual section 71-00-00.
- 8) Apply the P/N DEC-1-0438 decal in place of the existing decal.
- 9) Update aircraft maintenance records to reflect maintenance carried out.

3. PART B – ACCOMPLISHMENT INSTRUCTIONS

OIL PRESSURE/TEMPERATURE INDICATOR REPLACEMENT

Note The INS 60-8 can be identified by the <25 marking on the minimum oil pressure and the INS 60-15 can be identified by the <40 marking on the minimum oil pressure.

Method

- 1) Gain access to the rear of the centre instrument panel.
- 2) Disconnect and remove the P/N INS 60-8 oil pressure / temperature indicator.
- 3) Install the P/N INS 60-15 oil pressure / temperature indicator.
- 4) Refit the centre instrument panel.
- 5) Carry out an engine run and ensure the oil pressure indicator operates correctly.
- 6) Shut down the engine and observe the oil pressure ensure the indicator <40 light illuminates between 38 and 40 psi
- 7) Return the P/N INS 60-8 oil pressure / temperature indicator to PAL.

4. CERTIFICATION

Record compliance with Part A and Part B of this bulletin, in the aircraft maintenance records.

5. MATERIAL REQUIRED

Part A

<u>Description</u>	<u>Part Number</u>	<u>Qty Required</u>
Decal – Oil Pressure Switch or Oil Pressure Switch	DEC-1-0438 or 11-59033-1	1
Decal – Oil Pressure Limit	DEC-1-0439	1

Part B

<u>Description</u>	<u>Part Number</u>	<u>Qty Required</u>
Oil Press/Temp Indicator	INS 60-15	1