TITLE
ENGINE OIL PRESSURE SWITCH REPLACEMENT

EFFECTIVITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17281272</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 thru 172S10102</td>
</tr>
<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 thru 18281741</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208001 thru T18208480</td>
</tr>
<tr>
<td>206H</td>
<td>20608001 thru 20608257</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608001 thru T20608585</td>
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</tbody>
</table>

REASON
Analysis of the wear on the internal parts of the part number 83278 oil pressure switch reveals the need to establish a life limit of 3000 hours of operation for the switch. Too much wear of the internal parts of the switch may lead to oil leakage from the switch.

DESCRIPTION
The time in service of the part number 83278 oil pressure switch shall be determined and the switch shall be replaced when it reaches 3000 hours of operation.

COMPLIANCE
Mandatory: the part number 83278 oil pressure switch shall be replaced every 3000 hours of operation.
A one time inspection to determine the time in service of the engine oil pressure switch shall be accomplished at the next oil change or within the next 50 hours of operation, whichever occurs first.
Subsequent Inspections: oil pressure switch life limit replacement shall be accomplished in accordance with the Component Time Limits Section of the applicable airplane Maintenance Manual (latest revision).

APPROVAL
FAA approval has been obtained on technical data in this publication that affects airplane type design.
MANPOWER

Approximately 0.5 man-hour when accomplished concurrent with an oil change.

REFERENCES


NOTE: Make sure all publications used are complete and current.

NOTE: This information shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual or Instructions for continued airworthiness and must be accomplished for ongoing airworthiness compliance as required per 14 CFR Part 43.13.

MATERIAL PRICE AND AVAILABILITY

The parts below are available from Cessna Parts Distribution through an appropriate Cessna Service Station for the suggested list price shown.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Qty/Airplane</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>83278</td>
<td>Switch, Oil Pressure</td>
<td>1</td>
<td>$43.30 (PS) ea</td>
</tr>
<tr>
<td>U544006S</td>
<td>Sealant, Thread (Loctite 592, 1.69 fl. oz.)</td>
<td>(as required)</td>
<td>$49.00 (VO) ea</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

CREDIT INFORMATION

Not applicable

ACCOMPLISHMENT INSTRUCTIONS

Weight And Balance Information
Negligible.

Material Information

The part below may be necessary:

<table>
<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>OLD P/N</th>
<th>DISPOSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>83278</td>
<td>1</td>
<td>Switch, Oil Pressure</td>
<td>83278</td>
<td>Discard</td>
</tr>
</tbody>
</table>

The material that follows, or equivalent, is necessary:

<table>
<thead>
<tr>
<th>NAME</th>
<th>NUMBER</th>
<th>MANUFACTURER</th>
<th>USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loctite 592 - Thread</td>
<td>U544006S</td>
<td>Cessna Aircraft Company</td>
<td>To apply to the threads of the</td>
</tr>
<tr>
<td>Sealant</td>
<td></td>
<td>Cessna Parts Distribution</td>
<td>switch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5800 East Pawnee</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PO Box 1521</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wichita, KS 67218</td>
<td></td>
</tr>
</tbody>
</table>
Instructions

1. Review applicable airplane paperwork. Find the number of hours of operation of the 83278 Oil Pressure Switch that is installed on your airplane.
   A. If the 83278 Oil Pressure Switch has 3000 hours or more of operation, you must replace it. Go to Step 2.
   B. If the 83278 Oil Pressure Switch has less than 3000 hours of operation, it is not necessary to replace it at this time. You must monitor the hours of operation of the switch, and replace it at or before 3000 hours of operation. Go to Step 8.

2. Prepare the airplane for maintenance.
   A. Make sure that all switches are in the OFF/NORM position.
   B. Disconnect electrical power from the airplane.
      (1) Disconnect the airplane battery.
      (2) Disconnect external electrical power.
   C. Attach maintenance warning tags to the battery and external power receptacle that have “DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS” written on them.

3. Remove the used 83278 Oil Pressure Switch. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicator - Maintenance Practices.)

4. Install the new 83278 Oil Pressure Switch. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicator - Maintenance Practices.)

5. Remove the maintenance warning tags from battery and external power receptacle.

6. Reconnect the airplane battery. (Refer to the applicable Maintenance Manual, Chapter 24, Electrical Power.)

7. Do an oil pressure switch operational test as follows.
   A. Turn on the master switch and make sure that the low oil pressure warning annunciator is on.
   B. Start the engine. (Refer to the applicable Pilot's Operating Handbook, Section 4, Normal Procedures - Starting Engine.)
   C. Operate the engine until the oil pressure goes into the normal operating range.
      (1) Make sure that the low oil pressure warning annunciator goes off.
   D. Make sure that the hour meter operates correctly.
   E. Stop the engine. (Refer to the applicable Pilot's Operating Handbook, Section 4, Normal Procedures - Securing Engine.)
   F. Do a check for oil leaks at the oil pressure switch installation.

8. Make an entry in the airplane logbook that states compliance and method of compliance with this Service Bulletin. If you did not replace the oil pressure switch, record the current time in service hours of the installed switch.
OWNER NOTIFICATION

On January 29, 2007 the following message will be sent to applicable owners of record in SB07-79-01A.

Dear Cessna Owner:

This Owner Advisory is to inform you that SB07-79-01 has been issued.

Analysis of the wear on the internal parts of the part number 83278 oil pressure switch reveals the need to establish a life limit of 3000 hours of operation for the switch. Too much wear of the internal parts of the switch may lead to oil leakage from the switch.

The time in service of the part number 83278 oil pressure switch shall be determined and the switch shall be replaced when it reaches 3000 hours of operation.

Compliance is mandatory: the part number 83278 oil pressure switch shall be replaced every 3000 hours of operation.

A one time inspection to determine the time in service of the engine oil pressure switch shall be accomplished at the next oil change or within the next 50 hours of operation, whichever occurs first.

Subsequent Inspections: oil pressure switch life limit replacement shall be accomplished in accordance with the Component Time Limits Section of the applicable airplane Maintenance Manual (latest revision).

The information contained in the referenced Cessna Service Bulletin shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual or Instructions for continued airworthiness, and must be accomplished for ongoing airworthiness compliance as required per 14 CFR Part 43.13.

Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB07-79-01 accomplished on your airplane.

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