TITLE

ENGINE DRIVEN FUEL PUMP INSPECTION

EFFECTIVITY

The following airplanes were delivered from Cessna with an engine driven fuel pump that may be affected by Lycoming Mandatory Service Bulletin No. 565:

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17281070 thru 17281232</td>
</tr>
<tr>
<td>172S</td>
<td>172S9001 thru 172S9642</td>
</tr>
<tr>
<td>182T</td>
<td>18281062 thru 18281353</td>
</tr>
<tr>
<td>206H</td>
<td>20608171 thru 20608225</td>
</tr>
</tbody>
</table>

The following airplanes on which a new, rebuilt or overhauled engine with a part number LW-15473 fuel pump has been installed that was shipped from Lycoming on October 1, 2001 through February 2, 2004.

The following airplanes are also affected if a part number LW-15473 replacement fuel pump has been installed from October 1, 2001 through March 7, 2005.

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17281239</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 thru 172S9809</td>
</tr>
<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 thru 18281549</td>
</tr>
<tr>
<td>206H</td>
<td>20608001 thru 20608230</td>
</tr>
</tbody>
</table>

Also affected are any new, rebuilt or overhauled engine with a part number LW-15473 fuel pump installed in Service Station stock that was shipped from Lycoming on October 1, 2001 through February 2, 2004 and any part number LW-15473 replacement fuel pump in Service Station stock received after September 30, 2001.

REASON

To transmit Lycoming Mandatory Service Bulletin No. 565; Diaphragm-Type Fuel Pump Inspection/Replacement.
DESCRIPTION

According to Lycoming, two reports have been received that indicate a number of diaphragm-type fuel pumps, Lycoming P/N LW-15473, may not have been manufactured in conformance with specifications. This can result in restricted and/or loss of fuel flow. These fuel pumps shall be inspected, and if required, replaced as described in this Service Bulletin. Non-compliance with this Service Bulletin may result in restricted and/or loss of engine fuel flow.

COMPLIANCE

Mandatory; shall be inspected at the next oil change or within the next 25 hours of operation, whichever occurs first. If an affected pump is installed, it must be replaced prior to further flight as specified in Lycoming Mandatory Service Bulletin No. 565 (or latest revision).

APPROVAL

Refer to the attached Lycoming Mandatory Service Bulletin No. 565 (or latest revision).

MANPOWER

0.5 man-hour per airplane for inspection

If required, add 1.0 man-hour per airplane to replace the engine driven fuel pump

REFERENCES

Lycoming Mandatory Service Bulletin No. 565 (or latest revision)

Lycoming Special Service Publication SSP-1776 (or latest revision)

Lycoming Direct Drive Engine Overhaul Manual p/n 60294-7 (or latest revision)


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

OTHER PUBLICATIONS AFFECTED

Model 172R and Model 172S Illustrated Parts Catalog

Model 182/T182 Illustrated Parts Catalog

Model 206H & Model T206H Illustrated Parts Catalog

NOTE: Make sure all publications used are complete and current.
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>LW15473</td>
<td>Fuel Pump</td>
<td>1 (if required)</td>
<td>$ 233.71 (Q) ea.</td>
</tr>
<tr>
<td>60096</td>
<td>Gasket</td>
<td>1 (if required)</td>
<td>$ 1.10 (LN) ea.</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

CREDIT INFORMATION

For airplanes delivered from Cessna with an engine driven fuel pump that may be affected by Lycoming Mandatory Service Bulletin No. 565, a labor allowance credit of 0.5 man-hour per airplane will be provided to inspect the engine driven fuel pump for an applicable date code. If fuel pump replacement is required, applicable parts credit and an additional 1.0 man-hour labor allowance credit per airplane will be provided.

For airplanes on which a new, rebuilt or overhauled engine with a part number LW-15473 fuel pump that was shipped from Lycoming on October 1, 2001 through February 2, 2004 has been installed, or if a part number LW-15473 replacement fuel pump has been installed from October 1, 2001 through March 7, 2005: a labor allowance credit of 0.5 man-hour per airplane will be provided to inspect the engine driven fuel pump for an applicable date code. If fuel pump replacement is required, applicable parts credit and an additional 1.0 man-hour labor allowance credit per airplane will be provided.

Service Stations should return any part number LW-15473 fuel pump found in stock to be affected by Lycoming Mandatory Service Bulletin No. 565 (or latest revision) to Cessna Warranty Administration per normal procedures for credit.

To receive credit, the work must be completed and a Warranty Claim submitted by a Cessna Single Engine Service Station within 30 calendar days of Service Bulletin compliance before the credit expiration dates shown below. The removed fuel pump must be returned with the Warranty Claim.

Domestic .................. February 21, 2006
International ................. February 21, 2006

ACCOMPLISHMENT INSTRUCTIONS

Material Information

The parts below may be required:

<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>LW-15473</td>
<td>1 (if required)</td>
<td>Fuel Pump</td>
<td>Same</td>
<td>Refer to instructions</td>
</tr>
<tr>
<td>60096</td>
<td>1 (if required)</td>
<td>Gasket</td>
<td>Same</td>
<td>Discard</td>
</tr>
</tbody>
</table>
Instructions

NOTE: Refer to applicable airplane model maintenance manual as required to accomplish the following instructions.

1. Determine if a new, rebuilt or overhauled engine with a part number LW-15473 fuel pump that was shipped from Lycoming on October 1, 2001 through February 2, 2004 has been installed, or if a part number LW-15473 replacement fuel pump has been installed from October 1, 2001 through March 7, 2005 by reviewing the airplane paperwork such as logbooks and/or applicable work orders and sales/shipping receipts or visually inspect the fuel pump.
   A. If it is determined that an affected pump is installed, Proceed to Step 2.
   B. If it is determined that an affected pump is not installed, Proceed to Step 3.

2. Remove the engine cowling and accomplish Lycoming Mandatory Service Bulletin No. 565 (or latest revision).
   A. If fuel pump replacement is not required, proceed to Step 3.
   B. If fuel pump replacement is required, disconnect the airplane battery and attach maintenance warning tags on the battery and external power receptacle stating: DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS.


   C. Replace the fuel pump with an unaffected fuel pump in accordance with Lycoming Mandatory Service Bulletin No. 565 (or latest revision) and torque attachment screws to 225-250 inch-pounds and safety wire the screws. (Refer to applicable sections of the Lycoming Direct Drive Engine Overhaul Manual and Lycoming Special Service Publication SSP-1776.)

   D. Remove maintenance warning tags and connect the airplane battery.
   E. Perform a leak check of the engine fuel pump system.

3. Install the engine cowling.

4. Make an entry in the engine and airplane logbooks, including date code of replacement fuel pump, stating compliance and method of compliance with this Service Bulletin.
OWNER NOTIFICATION

On March 7, 2005 the following Owner Advisory message will be sent to applicable owners of record in SB05-73-01A.

Dear Cessna Owner:

This advisory is to inform you that Service Bulletin SB05-73-01 has been issued to transmit Lycoming Mandatory Service Bulletin No. 565; Diaphragm-Type Fuel Pump Inspection/Replacement. According to Lycoming, two reports have been received that indicate a number of diaphragm-type fuel pumps, Lycoming P/N LW-15473, may not have been manufactured in conformance with specifications. This can result in restricted and/or loss of fuel flow. These fuel pumps shall be inspected, and if required, replaced as described in SB05-73-01. Non-compliance with SB05-73-01 may result in restricted or loss of engine fuel pressure.

Your airplane may be affected as shown below:

The following airplanes delivered from Cessna with an engine driven fuel pump part number LW-15473 that is affected by Lycoming Mandatory Service Bulletin No. 565: 172S9001 thru 172S9642, 182S81062 thru 182S81353 and 206S8171 thru 206S8225.

The following airplanes are also affected if a new, rebuilt or overhauled engine with a part number LW-15473 fuel pump that was shipped from Lycoming on October 1, 2001 through February 2, 2004 has been installed, or if a part number LW-15473 replacement fuel pump has been installed from October 1, 2001 through March 7, 2005: 172S8001 thru 172S81239, 172S8001 thru 172S8909, 182S8001 thru 182S8044, 182S8045 thru 182S8154 and 206S8001 thru 206S8230.

Compliance is mandatory; shall be inspected at the next oil change or within the next 25 hours of operation, whichever occurs first. If an affected fuel pump is installed, it must be replaced prior to further flight as specified in Lycoming Mandatory Service Bulletin No. 565 (or 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.

For airplanes delivered from Cessna with an engine driven fuel pump that may be affected by Lycoming Mandatory Service Bulletin No. 565, a labor allowance credit of 0.5 man-hour per airplane will be provided to inspect the engine driven fuel pump for an applicable date code. If fuel pump replacement is required, applicable parts credit and an additional 1.0 man-hour labor allowance credit per airplane will be provided.

For airplanes on which a new, rebuilt or overhauled engine with a part number LW-15473 fuel pump that was shipped from Lycoming on October 1, 2001 through February 2, 2004 has been installed, or if a part number LW-15473 replacement fuel pump has been installed from October 1, 2001 through March 7, 2005: a labor allowance credit of 0.5 man-hour per airplane will be provided to inspect the engine driven fuel pump for an applicable date code. If fuel pump replacement is required, applicable parts credit and an additional 1.0 man-hour labor allowance credit per airplane will be provided.

To receive credit, the work must be completed and a Warranty Claim submitted by a Cessna Single Engine Service Station within 30 calendar days of Service Bulletin compliance before the credit expiration dates shown below.

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
</tr>
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<tbody>
<tr>
<td>February 21, 2006</td>
<td>February 21, 2006</td>
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</table>

Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB05-73-01/Lycoming Mandatory Service Bulletin No. 565 (or latest revision) accomplished on your airplane.

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SB05-73-01
March 7, 2005