Single Engine

SERVICE LETTER

SEL-73-05

TITLE
ENGINE FUEL AND CONTROL - TRANSMITTAL OF LYCOMING SERVICE BULLETIN NO. 621A - DIAPHRAGM-TYPE FUEL PUMP REPLACEMENT

EFFECTIVITY

<table>
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<th>MODEL</th>
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<tr>
<td>172S</td>
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<td>206H</td>
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This service letter is for airplanes listed that have the 62B26931 or LW-16335 Fuel Pump installed and any of the 62B26931 or LW-16335 Fuel Pumps that are in Service Station inventory.

REASON
Lycoming has released Service Bulletin No. 621A - Diaphragm-Type Fuel Pump Replacement which has instructions for inspecting installed and spare inventory fuel pumps.

DESCRIPTION
This service letter provides instructions to access the installed fuel pump and complete Lycoming Service Bulletin No. 621A. The Lycoming Service Bulletin 621A provides instructions to inspect installed and spare inventory fuel pump part numbers 62B26931 or LW-16335. (Refer to Lycoming Service Bulletin No. 621A for more detail information.)

COMPLIANCE
MANDATORY. This service letter must be accomplished within 50 hours of engine operation or the next engine service, whichever occurs first from the date of receipt.

LABOR HOURS

<table>
<thead>
<tr>
<th>WORK PHASE</th>
<th>LABOR-HOURS</th>
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<td>Fuel Pump Replacement</td>
<td>1.5</td>
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MATERIAL AVAILABILITY

<table>
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<tr>
<th>PART NUMBER</th>
<th>AVAILABILITY</th>
<th>COST</th>
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<tbody>
<tr>
<td>62B26931</td>
<td>*</td>
<td>*</td>
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<tr>
<td>LW16335</td>
<td>*</td>
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* Please contact Textron Aviation Parts Distribution for current cost and availability of parts listed in this service letter. Phone at 1-800-835-4000 (Domestic) or 1-316-517-7542 (International). Send Email to: dirop@txtav.com or telefax at 1-316-517-7711.

Based on availability and lead times, parts may require advanced scheduling.

WARRANTY

For all airplanes identified within the serial effectivity:

Applicable parts credit and a labor allowance credit of 1.5 man-hours per airplane will be provided to remove and replace the fuel pump.

Freight will be credited at the most economical method unless pre-approved by Cessna.

To receive credit, the work must be completed and a warranty claim submitted by a Cessna Authorized Service Facility within 30 calendar days of service bulletin compliance before the credit expiration dates shown below.

- Domestic .................................. September 17, 2016
- International .................................. September 17, 2016

Please contact a Cessna Authorized Service Facility for detailed information and arrange to have Cessna service letter SEL-73-05 accomplished on your airplane.

Special Note to Authorized Service Facilities:

Refer to Lycoming Service Bulletin No. 621A for Warranty Instructions and Replacement Parts for Engines/Parts Affected by Service Bulletin No. 621A.

When you complete the warranty claim, the labor allowance claimed shall be itemized for each above action completed.

REFERENCES

Lycoming Service Bulletin No. 621A (Revision A or Latest Revision)

Cessna Maintenance Manual for the applicable aircraft.

ACCOMPLISHMENT INSTRUCTIONS

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

2. Remove the engine cowling as necessary to fuel pump. (Refer to the applicable Cessna Maintenance Manual.)

3. Complete Lycoming Service Bulletin No. 621A (Revision A or latest revision).

4. Install the engine cowl that was removed to access the fuel pump. (Refer to the applicable Cessna Maintenance Manual.)

5. Remove the maintenance warning tags and connect the airplane battery.

6. Make an entry in the airplane logbook that states compliance and method of compliance with this service letter.
DATE: September 2, 2015

SUBJECT: Diaphragm-Type Fuel Pump Replacement

MODELS AFFECTED: IO-320, -360, -390, -540; -580, AEIO-320, -360, -390, -540; HIO-360, LIO-320-B1A, LIO-360, O-540-L3C5D, and TO-360-C1A6D

TIME OF COMPLIANCE: 50 hours from the issue date of this Service Bulletin or the next regularly scheduled maintenance event (whichever occurs first)

REASON FOR REVISION: For the sake of clarity, this revision of SB-621A contains the same information as the original revision of SB-621 dated August 12, 2015. Unfortunately, an earlier premature revision of SB-621 dated July 24, 2015, which had slightly different warranty language, was inadvertently released in paper copy. This SB-621A is the official released edition and supersedes SB-621 dated July 24, 2015 and SB-621 dated August 12, 2015.

NOTICE: Incomplete review of all the information in this document can cause errors. Read the entire Service Bulletin to make sure you have a complete understanding of the requirements.

This Service Bulletin is notification of a requirement to replace specific diaphragm-type fuel pumps identified herein as a corrective action in response to a confirmed non-conforming fuel pump in the field. Continued operation of a non-conforming fuel pump can cause fuel leakage out of the airframer’s vent line or into the engine crankcase.

NOTICE: Each fuel pump has a 13-digit alphanumeric manufacturer’s code, which begins with two letters as shown in the example in Figure 1. The alphanumeric characters in the manufacturer’s code and its location on the fuel pump will help identify the fuel pumps affected by this Service Bulletin. The first two characters in the example manufacturer’s code RC20150620703 in Figure 1 are RC. The next two numbers 20 identify the manufacturing week of the year as 20 and 15 is the year. The manufacturer’s code is on the fuel pump flange or on the web as shown in Figure 1. If the manufacturer’s code is on the flange as in the example in Figure 2, the fuel pump is not affected by this Service Bulletin.

In the “Required Action” procedure herein, remove any affected fuel pumps from your engines and from your spares inventory to be in compliance with this Service Bulletin.

This Service Bulletin No. SB-621 supersedes SB-615 and SB-617. Regardless of whether or not you have complied with Service Bulletins SB-615 and SB-617, you must return an affected fuel pump identified in SB-621 for a replacement conforming fuel pump per the “Required Action” procedure in this Service Bulletin.
Required Action:

NOTICE: The steps in this procedure will identify the affected fuel pumps in a series of progressive checks. For a fuel pump to be affected and eligible for replacement, it must meet all of the criteria identified in this procedure.

A fuel pump installed on engines or in the spares inventory is affected by this Service Bulletin:

1. If the fuel pump is Lycoming part number 62B26931 or LW-16335.
2. If the manufacturer’s code is not on the flange but is on the web or other parts of the fuel pump.
3. If the fuel pump has RC (Figure 1) as the first two letters of the manufacturer’s code.
4. If the manufacturer’s code identifies the fuel pump as manufactured before, up to, and including the 25th week of 2015.

If any fuel pump meets all the criteria above, remove the fuel pump from the engine or from the spares inventory and:

A. Review your records to identify shipping dates of the serial numbers of any of the affected fuel pumps.
B. Return all affected fuel pumps to Lycoming Engines with a copy of this Service Bulletin and file a warranty claim per the warranty procedure herein.
C. Record removal of the fuel pump installed on the engine in the engine logbook.

Warranty Instructions and Replacement Parts for Engines/Parts Affected by Service Bulletin No. 621

1. Contact an Authorized Lycoming Distributor to order a replacement fuel pump.
2. Upon receipt, complete the installation procedure.
3. Return the removed fuel pump to Lycoming Engines through the same Authorized Lycoming Distributor that ordered the replacement fuel pump and file a warranty claim for:
   A. Reimbursement of the replacement parts.
   B. Associated Freight.
   C. Removal and Reinstallation Labor Allowance of not more than 1.5 hours.
4. In the event that a genuine Lycoming fuel pump is not available, an FAA approved PMA fuel pump may be installed. Lycoming will honor the warranty claim for reimbursement of the PMA component when accompanied with a copy of the original invoice.

If you have any questions, contact Lycoming Field Service by phone at 570-327-7222 or 877-839-7878.

**NOTICE:** Warranty consideration is available for 12 months from the date of issue of this Service Bulletin.