Single Engine

Service Bulletin

November 19, 2007

TITLE

INCORRECT CYLINDER ASSEMBLIES SHIPPED WITH CYLINDER KITS

EFFECTIVITY

The following airplanes on which the engine has had a new Lycoming Cylinder Kit installed on or after June 8, 2007:

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17281495</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 thru 172S10654</td>
</tr>
<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 thru 18282049</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208001 thru T18208810</td>
</tr>
<tr>
<td>206H</td>
<td>20608001 thru 20608303</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608001 thru T20608805</td>
</tr>
</tbody>
</table>

REASON

To transmit Lycoming Mandatory Service Bulletin No. 578: Incorrect Cylinder Assemblies Shipped with Cylinder Kits.

DESCRIPTION

Lycoming has determined that a quantity of cylinder kits may have been shipped with incorrect cylinder assemblies between June 8, 2007 and August 1, 2007.

All affected installed engine cylinders and in-stock cylinder kits, shall be inspected as described in Lycoming Mandatory Service Bulletin No. 578 (or latest revision).

COMPLIANCE

Mandatory: for engines with affected cylinder kits, shall be accomplished within the next 10 hours of engine operation as stated in the Lycoming Mandatory Service Bulletin No. 578 (or latest revision).

APPROVAL

Refer to Lycoming Mandatory Service Bulletin No. 578 (or latest revision).
MANPOWER

Refer to Lycoming Mandatory Service Bulletin No. 578 (or latest revision).

REFERENCES

Refer to Lycoming Mandatory Service Bulletin No. 578 (or latest revision).


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.

OTHER PUBLICATIONS AFFECTED

Model 172R & Model 172S Illustrated Parts Catalog

Model 182S/182T/T182T Illustrated Parts Catalog

Model 206H & Model T206H Illustrated Parts Catalog

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

MATERIAL PRICE AND AVAILABILITY

Refer to Lycoming Mandatory Service Bulletin No. 578 (or latest revision).

CREDIT INFORMATION

Refer to Lycoming Mandatory Service Bulletin No. 578 (or latest revision) warranty information. For Cessna airplanes affected by these Service Bulletins: if an incorrect cylinder assembly is found, warranty part replacement will be available for a period of 30 days from the date of Service Bulletin completion. Warranty Claims must be sent to Cessna Warranty Administration per standard procedures before the credit expiration dates shown below.

<table>
<thead>
<tr>
<th>Domestic</th>
<th>April 19, 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>International</td>
<td>April 19, 2008</td>
</tr>
</tbody>
</table>

ACCOMPLISHMENT INSTRUCTIONS

Instructions

1. Review and accomplish the attached Lycoming Mandatory Service Bulletin No. 578 (or latest revision).

2. Make appropriate entries in the airplane and engine logbooks stating compliance with this Service Bulletin/Lycoming Mandatory Service Bulletin No. 578 (or latest revision).
OWNER NOTIFICATION

On November 19, 2007 the following message will be sent to applicable owners of record in SB07-71-04A.

Dear Cessna Owner:

This Owner Advisory is to inform you that Service Bulletin SB07-71-04 has been issued to transmit Lycoming Mandatory Service Bulletin No. 578.

Lycoming has determined that Cylinder Kits listed in Lycoming Mandatory Service Bulletin No. 578 (or latest revision) may have been shipped with incorrect cylinder assemblies.

All affected installed engine cylinders and in-stock cylinder kits, shall be inspected as described in Lycoming Mandatory Service Bulletin No. 578 (or latest revision).

The engine on your airplane may be affected if a new Lycoming Cylinder Kit has been installed on or after June 8, 2007. For a detailed listing of affected Cylinder Kits, please visit the Lycoming website on the Internet at www.lycoming.textron.com/support/publications/service-bulletins/index.jsp.

Compliance is Mandatory; for engines with affected cylinder kits, shall be accomplished within the next 10 hours of engine operation as stated in the Lycoming Mandatory Service Bulletin No. 578 (or latest revision).

If necessary, applicable parts and labor warranty will be provided as stated in Lycoming Mandatory Service Bulletin No. 578 (or latest revision) warranty information. For Cessna airplanes affected by these Service Bulletins: if an incorrect cylinder assembly is found, warranty part replacement will be available for a period of 30 days from the date of Service Bulletin completion. Warranty Claims must be sent to Cessna Warranty Administration per standard procedures before the credit expiration dates shown below.

<table>
<thead>
<tr>
<th></th>
<th>Domestic</th>
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<td>April 19, 2008</td>
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</table>

Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB07-71-04/Lycoming Mandatory Service Bulletin No. 578 (or latest revision) accomplished on your airplane.

* * * * * * * * * *
DATE: September 21, 2007

SUBJECT: Incorrect Cylinder Assemblies Shipped with Cylinder Kits

MODELS AFFECTED: All cylinder kits listed in Table 1 shipped between June 8, 2007 and August 1, 2007.

All Lycoming engines installed with cylinder assemblies that were received in the cylinder kits listed in Table 1 shipped between June 8, 2007 and August 1, 2007.

TIME OF COMPLIANCE: For uninstalled cylinder kits – immediately.

For engines with affected cylinder kits – Within next 10 hours of engine operation.

Lycoming has determined that a quantity of cylinder kits may have been shipped with incorrect cylinder assemblies between June 8, 2007 and August 1, 2007. These cylinder kits may contain one of the following:

1. Short-reach spark plug cylinder assembly in lieu of a long-reach spark plug cylinder assembly or vice-versa.
2. Parallel valve cylinder assembly in lieu of an angle valve cylinder assembly or vice-versa.
3. Cylinder assembly in which the cylinder barrel is either too long or too short for the stroke of the piston.
4. Thin wall barrel cylinder assembly in lieu of a thick wall barrel cylinder assembly or vice-versa.
5. Thin flange barrel cylinder assembly in lieu of a thick flange barrel cylinder assembly or vice-versa.

The correct combination of cylinder kit and cylinder assembly part numbers is listed in Table 1. If you have any of these cylinder kits in stock that were shipped in the specified time frame, Lycoming requires that you inspect the cylinder kit for the possibility of an incorrect cylinder assembly. This inspection can be performed by visually inspecting the cylinder assembly for the correct part number. The part number is located on the outside of the cylinder assembly.

NOTE

Lycoming cylinder assembly part number formats that are affected by this Service Bulletin include the following:

a. The letters “LW-” followed by 5 digits.
b. The numbers and letter “16A” or “16B” followed by 5 digits.
c. A 5 digit number starting with the number “7”.

If the incorrect cylinder assembly is found, return the part for credit on a Warranty Application and Return Material Form and use the normal procedure for ordering replacement cylinder assemblies. Warranty part replacement is available for a period of 30 days from the date of this Service Bulletin.
If new Lycoming cylinders from a new cylinder kit were installed on an engine on or after June 8, 2007, the following action must be taken:

1. Access the engine to be able to identify cylinder assembly part numbers. Depending on the aircraft model, removal of the baffling and other associated parts may be necessary.

2. The Lycoming part number can be found on the bottom of the cylinder near the cylinder valve cover as viewed mounted on the engine.

3. Verify that all cylinder assemblies are the correct part number for the engine model using the appropriate Parts Catalog.

4. If an incorrect cylinder assembly is found, remove before further flight and return the part for credit on a Warranty Application and Return Material Form and use the normal procedure for ordering replacement cylinder head assemblies. Warranty part replacement is available for a period of 30 days from the date of this Service Bulletin.

5. If the cylinder assemblies are correct make an appropriate logbook entry of compliance.

### TABLE 1

<table>
<thead>
<tr>
<th>Kit P/N</th>
<th>Cylinder Assy. P/N</th>
<th>Kit P/N</th>
<th>Cylinder Assy. P/N</th>
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05K21273  | LW-19037           |