Single Engine

Service Bulletin

July 28, 2003

SB03-24-01

TITLE

ALTERNATOR REPLACEMENT

EFFECTIVITY

The following airplanes equipped with a part number 9910591-11, 9910591-11RX, 9910591-12 or 9910591-12RX alternator that was manufactured or overhauled between March 1, 2000 and December 31, 2002 and has less than 700 hours total time in service.

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17281162</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 thru 172S9317 and 172S9319 thru 172S9329</td>
</tr>
<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 thru 18281208</td>
</tr>
<tr>
<td>206H</td>
<td>20608001 thru 20608193</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608001 thru T20608406</td>
</tr>
</tbody>
</table>

Affected 9910591-11, 9910591-11RX, 9910591-12, and 9910591-12RX alternators in Service Station stock are also affected and should be returned to Cessna.

REASON


DESCRIPTION

It has been determined that alternators manufactured and/or overhauled between March 1, 2000 and December 31, 2002 may have excessive brush spring pressure which could reduce the service life of the alternator. These alternators should be replaced.
COMPLIANCE

Recommended; should be accomplished within the next 100 hours of operation or 12 months, whichever occurs first.

APPROVAL

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

MANPOWER

1.0 man-hour per airplane when accomplished during a scheduled 100 hour inspection.

REFERENCES


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

OTHER PUBLICATIONS AFFECTED

Model 172R and Model 172S Illustrated Parts Catalog
Model 182S/182T/T182T Illustrated Parts Catalog
Model 206H/T206H Illustrated Parts Catalog

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

MATERIAL PRICE AND AVAILABILITY

The following 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>9910591-11RX</td>
<td>Alternator (172, 182)</td>
<td>1 (if required)</td>
<td>$385.00 (C) ea.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Plus a core deposit of $700.00)</td>
</tr>
<tr>
<td>9910591-12RX</td>
<td>Alternator (206)</td>
<td>1 (if required)</td>
<td>$405.00 (C) ea.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Plus a core deposit of $700.00)</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
CREDIT INFORMATION

Affected 9910591-11, 9910591-11RX, 9910591-12, and 9910591-12RX alternators in Service Station stock should be returned to Cessna for credit per standard procedures.

For airplanes that are within the warranty period and have an alternator with less than 700 hours TTIS: Applicable parts credit and a labor allowance credit of 1.0 man-hour per airplane will be provided to remove and replace the alternator as described in this Service Bulletin.

For airplanes that are beyond the warranty period and have an alternator with less than 700 hours TTIS: A prorated parts credit will be provided toward a remanufactured replacement alternator as follows: $193.00 for the 9910591-11RX and $203.00 for the 9910591-12RX.

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 alternator must be returned with the Warranty Claim.

Domestic ............................................. July 28, 2004
International ........................................ July 28, 2004

ACCOMPLISHMENT INSTRUCTIONS

Weight And Balance Information

WEIGHT CHANGE .................... Negligible

1. Determine if the alternator is affected by review of the attached Kelly Aerospace Turbine Rotables Service Information Letter Bulletin No. A-113 (or latest revision) and/or applicable airplane paperwork such as logbooks and/or applicable work orders and sales/shipping receipts or by visually inspecting the alternator.

2. If affected, electrically ground the airplane and turn all switches to the "OFF" position. If external power is connected to the airplane, disconnect external power from receptacle.

3. Disconnect the airplane battery. (Refer to the applicable airplane model Maintenance Manual, Chapter 24, Electrical Power.)

4. Attach maintenance warning tags to the battery and external power receptacle with the following instruction: DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS.

5. Remove the existing alternator from the airplane. (Refer to applicable sections of the appropriate airplane model Maintenance Manual.)

6. Remove the external capacitor from the removed alternator and install it in the same location on the replacement alternator.

7. Install the replacement alternator on the airplane. (Refer to applicable sections of the appropriate airplane model Maintenance Manual.)

8. Remove maintenance warning tags from battery and external power receptacle.

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

10. Make an entry in the airplane logbook stating compliance with this Service Bulletin.
OWNER NOTIFICATION

On August 11, 2003 the following Owner Advisory message will be sent to applicable owners of record in SB03-24-01.

Dear Cessna Owner:

This Owner Advisory is to inform you that Service Bulletin SB03-24-01 has been issued to transmit Kelly Aerospace Turbine Rotables Service Information Letter Bulletin No. A-113: Accelerated Brush Wear on Model 9910591-7, 9910591-11 & 9910591-12 Alternators. It has been determined that alternators manufactured or overhauled between March 1, 2000 and December 31, 2002 may have excessive brush spring pressure which could reduce the service life of the alternator. These affected alternators should be replaced.

Your airplane is affected if it is equipped with a part number 9910591-11, 9910591-11RX, 9910591-12 or 9910591-12RX alternator that was manufactured or overhauled between March 1, 2000 and December 31, 2002 and has less than 700 hours total time in service.

Compliance is recommended, should be accomplished within the next 100 hours of operation or 12 months, whichever occurs first.

The information contained in the referenced Cessna Service Bulletin shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual and should be accomplished within the specified time requirement.

For airplanes that are within the warranty period: Applicable parts credit and a labor allowance credit of 1.0 man-hour per airplane will be provided to remove and replace the alternator as described in Service Bulletin SB03-24-01.

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Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB03-24-01 accomplished on your airplane.