Single Engine

Service Bulletin

February 18, 2002

SB02-37-02

TITLE
DRY VACUUM PUMP AND COUPLING REPLACEMENT REQUIREMENTS

EFFECTIVITY

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 and On</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 and On</td>
</tr>
<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 and On</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208001 and On</td>
</tr>
<tr>
<td>206H</td>
<td>20608001 and On</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608001 and On</td>
</tr>
</tbody>
</table>

REASON
To provide replacement time requirements for engine driven dry vacuum pumps and vacuum pump drive couplings.

DESCRIPTION
The engine driven dry vacuum pumps and vacuum pump drive couplings shall be replaced on a scheduled basis as stated in this Service Bulletin.

COMPLIANCE
Mandatory, components shall be replaced as stated in the Accomplishment Instructions of this Service Bulletin.

An initial inspection to determine total time in service of installed applicable vacuum pumps and drive couplings shall 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

Not applicable

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 (FAR) 43.13.

OTHER PUBLICATIONS AFFECTED

Model 172R and 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

Replacement vacuum pumps and couplings are available from Cessna Parts Distribution through an appropriate Cessna Service Station. Refer to applicable airplane Illustrated Parts Catalog for replacement part numbers.

The following is 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>S3346-1</td>
<td>Gasket</td>
<td>(as required)</td>
<td>$1.28 (VR) ea.</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: When installing new dry vacuum pumps, use only S3346-1 or Cessna approved equivalent gaskets. Cork type gaskets and other gaskets are not approved.

CREDIT INFORMATION

Not applicable
ACCOMPLISHMENT INSTRUCTIONS

1. The following are the maximum component in-service/calendar time limits. Normal on-condition requirements will still apply if replacement is required prior to these limits:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>REPLACEMENT TIME</th>
<th>OVERHAUL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Driven Dry Vacuum Pump (Not lubricated with engine oil)</td>
<td>500 Hours of operation (See Note)</td>
<td>NO</td>
</tr>
<tr>
<td>Engine Driven Dry Vacuum Pump Drive Coupling (Not lubricated with engine oil)</td>
<td>At vacuum pump replacement or 6 calendar years, whichever occurs first. (See Note)</td>
<td>NO</td>
</tr>
</tbody>
</table>

**NOTE:** Replace engine driven dry vacuum pump not equipped with a wear indicator every 500 hours of operation, or replace according to the vacuum pump manufacturer's recommended inspection and replacement interval, whichever occurs first.

**NOTE:** For a vacuum pump equipped with a wear indicator, replace pump according to the vacuum pump manufacturer's recommended inspection and replacement intervals.

**NOTE:** If the manufacturer of the vacuum pump or the vacuum pump drive coupling has a shorter/more restrictive replacement interval, then that interval shall be used as the pump and/or drive coupling replacement interval.

**NOTE:** When installing new dry vacuum pumps, use only S3346-1 or Cessna approved equivalent gaskets. Cork type gaskets and other gaskets are not approved.

2. Make an entry in the airplane logbook stating compliance and method of compliance with this service bulletin.

**NOTE:** This Service Bulletin will be superseded by the next revision to the applicable airplane Maintenance Manuals concerning the replacement intervals of vacuum pumps and vacuum pump drive couplings.
OWNER NOTIFICATION

On February 18, 2002 the following Owner Advisory message will be sent to applicable owners of record in SB02-37-02A.

Dear Cessna Owner:

This Owner Advisory is to inform you that Service Bulletin SB02-37-02 has been issued to provide replacement time requirements for engine driven dry vacuum pumps and vacuum pump drive couplings. SB02-37-02 requires replacement of vacuum system components as follows:

A. Replace engine driven dry vacuum pumps not equipped with a wear indicator every 500 hours of operation, or replace according to the vacuum pump manufacturer's recommended inspection and replacement interval, whichever occurs first.

B. Replace engine driven vacuum pump drive couplings at vacuum pump replacement or every 6 calendar years, whichever occurs first.

NOTE: For a vacuum pump equipped with a wear indicator, replace pump according to the vacuum pump manufacturer's recommended inspection and replacement intervals.

NOTE: If the manufacturer of the vacuum pump or the vacuum pump drive coupling has a shorter/more restrictive replacement interval, then that interval shall be used as the pump and/or drive coupling replacement interval.

NOTE: When installing new dry vacuum pumps, use only S3346-1 or Cessna approved equivalent gaskets. Cork type gaskets and other gaskets are not approved.

Compliance is mandatory; components shall be replaced as stated in the Accomplishment Instructions of Service Bulletin SB02-37-02.

An initial inspection to determine total time in service of installed applicable vacuum pumps and drive couplings shall 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 must be accomplished for ongoing airworthiness compliance as required per 14 CFR Part (FAR) 43.13.

Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB02-37-02 accomplished on your airplane.