Single Engine

Service Bulletin

January 17, 2005

TITLE

FUEL STRAINER GASKET INSPECTION

EFFECTIVITY

The following airplanes may have been delivered with a white colored part number 0756041-1 fuel strainer gasket installed instead of a black colored gasket:

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17281206 thru 17281217</td>
</tr>
<tr>
<td>172S</td>
<td>172S9602 thru 172S9645</td>
</tr>
<tr>
<td>182T</td>
<td>18281314 thru 18281349</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208231 thru T18208257</td>
</tr>
<tr>
<td>206H</td>
<td>20608215 and 20608217 thru 20608219</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608447 thru T20608452, T20608455, T20608456 and T20608460</td>
</tr>
</tbody>
</table>

The following airplanes that have had a white colored part number 0756041-1 replacement fuel strainer gasket installed instead of a black colored gasket that was shipped from Cessna Parts Distribution between January 22, 2004 and October 15, 2004:

<table>
<thead>
<tr>
<th>Model</th>
<th>Serial Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17281232</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 thru 172S9773</td>
</tr>
<tr>
<td>182S</td>
<td>1828001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 thru 18281503</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208001 thru T18208359</td>
</tr>
<tr>
<td>206H</td>
<td>20608001 thru 20608223</td>
</tr>
<tr>
<td>T206H</td>
<td>T20608001 thru T20608501</td>
</tr>
</tbody>
</table>

Also affected are white colored part number 0756041-1 replacement fuel strainer gaskets in Service Station stock that was shipped from Cessna Parts Distribution between January 22, 2004 and October 15, 2004.

REASON

It has been determined that some fuel strainer gaskets may have been made from incorrect material.

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.
DESCRIPTION

The 0756041-1 fuel strainer gasket shall be inspected and if necessary replaced as described in this Service Bulletin. Non-compliance with this Service Bulletin could allow an improperly made fuel strainer gasket to swell or deform.

COMPLIANCE

Mandatory: shall be accomplished at the next annual/12 month inspection or 100 hour inspection not to exceed 100 hours of operation.

APPROVAL

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

MANPOWER

If necessary, 0.3 man-hour for fuel strainer gasket replacement

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 & 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>M83248/1-011</td>
<td>O-Ring</td>
<td>1</td>
<td>$0.31 (PS) ea</td>
</tr>
<tr>
<td>M83248/1-111</td>
<td>O-Ring</td>
<td>1</td>
<td>$0.41 (PS) ea</td>
</tr>
<tr>
<td>M83248/1-138</td>
<td>O-Ring</td>
<td>1</td>
<td>$1.38 (PS) ea</td>
</tr>
<tr>
<td>0756041-1 (Black)</td>
<td>Gasket</td>
<td>1 (if required)</td>
<td>$11.50 (SE) ea</td>
</tr>
</tbody>
</table>

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE
CREDIT INFORMATION

Applicable parts credit and a labor allowance credit of 0.3 man-hour per airplane will be provided to replace the fuel strainer gasket as described in this Service Bulletin.

NOTE: The replacement time is based on the fuel strainer gasket being replaced during a normal scheduled inspection.

Service Stations should return any white colored part number 0756041-1 replacement fuel strainer gasket to Cessna Warranty Administration via 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 white colored gasket must be returned with the Warranty Claim.

Domestic ........................ January 17, 2006
International ........................ January 17, 2006

ACCOMPLISHMENT INSTRUCTIONS

Weight And Balance Information

WEIGHT CHANGE ................. None

Material Information

The parts below may be necessary:

<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>M83248/1-011</td>
<td>1</td>
<td>O-Ring</td>
<td>Same</td>
<td>Discard</td>
</tr>
<tr>
<td>M83248/1-111</td>
<td>1</td>
<td>O-Ring</td>
<td>Same</td>
<td>Discard</td>
</tr>
<tr>
<td>M83248/1-138</td>
<td>1</td>
<td>O-Ring</td>
<td>Same</td>
<td>Discard</td>
</tr>
<tr>
<td>0756041-1 (Black)</td>
<td>1</td>
<td>Gasket</td>
<td>Same (White)</td>
<td>Discard</td>
</tr>
</tbody>
</table>

Instructions

1. Determine if a suspect fuel strainer gasket is installed by review of applicable airplane paperwork such as logbooks and/or applicable work orders and sales/shipping receipts or visual inspection of the fuel strainer gasket.
   A. If a suspect fuel strainer gasket is installed or if a visual inspection of the fuel strainer gasket is required, proceed to Step 2.
   B. If a suspect fuel strainer gasket is not installed, proceed to Step 12.
2. 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. Remove the upper engine cowlings.
4. Disconnect the airplane battery. (Refer to the Maintenance Manual, Chapter 24, Electrical Power.)
5. Attach maintenance warning tags to the battery and external power receptacle that have "DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS" written on them.
6. Put the fuel selector valve in the OFF position.
7. (Refer to Figure 1, Detail A.) Remove the bowl from the fuel strainer assembly. (Refer to the Maintenance Manual, Chapter 28, Fuel Storage and Distribution - Maintenance Practices.)
8. (Refer to Figure 1, Detail A.) Look at the 0756041-1 Gasket:
   A. If the gasket is black:
      (1) Install the bowl with new O-Rings. (Refer to the Maintenance Manual, Chapter 28, Fuel Storage and Distribution - Maintenance Practices.)
      (2) Put the fuel selector valve in the BOTH position.
      (3) Do a check for leaks.
      (4) Go to Step 9.
   B. If the gasket is white:
      (1) Remove the standpipe, filter (strainer screen), and gasket. Discard the gasket. (Refer to the Maintenance Manual, Chapter 28, Fuel Storage and Distribution - Maintenance Practices.)
      (2) Install a new 0756041-1 Gasket made of black material.
      (3) Install the standpipe and filter (strainer screen). (Refer to the Maintenance Manual, Chapter 28, Fuel Storage and Distribution - Maintenance Practices.)
      (4) Install the bowl with new M83248/1-011, M83248/1-111 and M83248/1-138 O-Rings. (Refer to the Maintenance Manual, Chapter 28, Fuel Storage and Distribution - Maintenance Practices.)
      (5) Put the fuel selector valve in the BOTH position.
      (6) Do a check for leaks.
10. Install the upper engine cowlings.
11. Remove the maintenance warning tags.
12. Make an entry in the airplane logbook that states compliance with this Service Bulletin.
NOTE: REPLACE THE 0756041-1 GASKET IF IT IS WHITE IN COLOR, WITH A 0756041-1 GASKET THAT IS BLACK IN COLOR.
OWNER NOTIFICATION

On January 17, 2005 the following message will be sent to applicable owners of record in SB05-28-01A.

Dear Cessna Owner:

This Owner Advisory is to inform you that some fuel strainer gaskets may have been made from incorrect material. The fuel strainer gasket shall be inspected and if necessary replaced as described in SB05-28-01. Non-compliance with SB05-28-01 could allow an improperly made fuel strainer gasket to swell or deform.

Your airplane may be affected as shown below:

The following airplanes may have been delivered with a white colored part number 0756041-1 fuel strainer gasket installed instead of a black colored gasket: 17281206 thru 17281217, 172S9602 thru 172S9645, 18281314 thru 18281349, T18208231 thru T18208257, 20608215 and 20608217 thru 20608219, T20608447 thru T20608452, T20608455, T20608456 and T20608460.

The following airplanes that have had a white colored part number 0756041-1 replacement fuel strainer gasket installed instead of a black colored gasket that was shipped from Cessna Parts Distribution between January 22, 2004 and October 15, 2004: 17280001 thru 17281232, 172S8001 thru 172S8773, 18280001 thru 18280944, 18280945 thru 18281503, T18208001 thru T18208359, 20608001 thru 20608223 and T20608001 thru T20608501.

Compliance is mandatory: shall be accomplished at the next annual/12 month inspection or 100 hour inspection not to exceed 100 hours of operation.

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.

If gasket replacement is required, applicable parts credit and a labor allowance credit of 0.3 man-hour per airplane will be provided to replace the fuel strainer gasket as described in SB05-28-01.

NOTE: The replacement time is based on the fuel strainer gasket being replaced during a normal scheduled inspection.

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.

Domestic .......................... January 17, 2006
International ........................ January 17, 2006

Please contact a Cessna Single Engine Service Station for detailed information and arrange to have Cessna Service Bulletin SB05-28-01 accomplished on your airplane.

* * * * * * * * * *