TITLE
LANDING GEAR - NOSE GEAR STRUT TUBE ASSEMBLY

EFFECTIVITY

**Group A** airplanes

The airplanes that follow that are equipped with the 0743631-1 Strut Tube Assembly:

**NOTE:** These airplanes were delivered from the factory with the 0743631-1 Strut Tube Assembly installed.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SERIAL NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17281534 thru 17281621</td>
</tr>
<tr>
<td>172S</td>
<td>172S10765 thru 172S11264</td>
</tr>
<tr>
<td>182T</td>
<td>18282121 thru 18282359</td>
</tr>
<tr>
<td>T182T</td>
<td>T1820883 thru T18209094</td>
</tr>
</tbody>
</table>

**Group B** airplanes

The airplanes that follow that have replaced the strut tube assembly or have replaced the nose gear assembly:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SERIAL NUMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>172R</td>
<td>17280001 thru 17281533</td>
</tr>
<tr>
<td>172S</td>
<td>172S8001 thru 172S10764</td>
</tr>
<tr>
<td>182S</td>
<td>18280001 thru 18280944</td>
</tr>
<tr>
<td>182T</td>
<td>18280945 thru 18282120</td>
</tr>
<tr>
<td>T182T</td>
<td>T18208001 thru T18208882</td>
</tr>
</tbody>
</table>

REASON
To make an improved nose gear strut tube assembly available.

DESCRIPTION
This service bulletin provides parts and instructions to install the new nose gear strut tube assembly.

COMPLIANCE
RECOMMENDED. This service bulletin should be accomplished at the next 200-hour or 12-month (annual-type) inspection.

APPROVAL
Cessna received FAA approval for the technical data in this publication that changes the airplane type design.

Cessna received EASA approval for the technical data in this publication that changes the airplane type design.

WEIGHT AND BALANCE INFORMATION
Negligible
REFERENCES

PUBLICATIONS AFFECTED
Model 172R & 172S Illustrated Parts Catalog
Model 182S/182T/T182T Illustrated Parts Catalog

ACCOMPLISHMENT INSTRUCTIONS

1. Look at the airplane paperwork and see if the airplane has a 0743631-1 Nose Gear Strut Tube Assembly or a 0743621-9 Nose Gear Strut Tube Assembly installed.
   A. If it has a 0743621-9 Nose Gear Strut Tube Assembly installed, go to Step 7.
   B. If it has a 0743631-1 Nose Gear Strut Tube Assembly, go to Step 2.
   C. If you cannot determine the part number of the installed nose gear strut tube assembly, do as follows:
      (1) Touch a magnet to the cap at the top of the strut assembly.
      
      NOTE: The 0743621-9 Nose Gear Strut Tube Assembly is made of steel and the 0743631-1 Nose Gear Strut Tube Assembly is made of Aluminum.
      (a) If the magnet attaches to the cap, a 0743621-9 Nose Gear Strut Tube Assembly is installed. Go to Step 7.
      (b) If the magnet does not attach to the cap, a 0743631-1 Nose Gear Strut Tube Assembly is installed. Go to Step 2.

2. 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.

3. Remove the 0743631-1 Nose Gear Strut Tube Assembly and save it for field scrap. (Refer to the applicable model maintenance manual, Chapter 32, Nose Landing Gear - Maintenance Practices.)

4. Look inside the shock strut tube assembly after you remove the old nose gear strut tube assembly from inside it, and if there is paint residue, remove the paint.

   CAUTION: As you push the new 0743631-5 Nose Gear Strut Tube Assembly, with MS28775-225 O-ring attached, into the upper strut, make sure that you do no damage to the MS28775-225 O-ring.

5. Use a new MS28775-225 O-ring and new (model 172, MS21042L5 and MS21045L3) (model 182, MS21042L5 and MS21044N3) Nuts and install the 0743631-5 Nose Gear Strut Tube Assembly. (Refer to the applicable model maintenance manual, Chapter 32, Nose Landing Gear - Maintenance Practices.)

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

7. Make an entry in the airplane logbook that states compliance and method of compliance with this service bulletin.
MATERIAL INFORMATION

Model 172 and model 182 airplanes, order the parts below to install this modification.

<table>
<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>KEY WORD</th>
<th>OLD P/N</th>
<th>INSTRUCTIONS/DISPOSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0743631-5</td>
<td>1</td>
<td>Nose Gear Strut Tube Assembly</td>
<td>0743631-1</td>
<td>Field Scrap</td>
</tr>
<tr>
<td>MS28775-225</td>
<td>1</td>
<td>O-ring</td>
<td>Same</td>
<td>Discard</td>
</tr>
</tbody>
</table>

In addition, model 172 airplanes will need the parts that follow:

<table>
<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>KEY WORD</th>
<th>OLD P/N</th>
<th>INSTRUCTIONS/DISPOSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS21042L5</td>
<td>3</td>
<td>Nut</td>
<td></td>
<td>Discard</td>
</tr>
<tr>
<td>MS21045L3</td>
<td>2</td>
<td>Nut</td>
<td></td>
<td>Discard</td>
</tr>
</tbody>
</table>

In addition, model 182 airplanes will need the parts that follow:

<table>
<thead>
<tr>
<th>NEW P/N</th>
<th>QUANTITY</th>
<th>KEY WORD</th>
<th>OLD P/N</th>
<th>INSTRUCTIONS/DISPOSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS21042L5</td>
<td>2</td>
<td>Nut</td>
<td></td>
<td>Discard</td>
</tr>
<tr>
<td>MS21044N3</td>
<td>5</td>
<td>Nut</td>
<td></td>
<td>Discard</td>
</tr>
</tbody>
</table>
OWNER ADVISORY

SEB-32-02

TITLE

LANDING GEAR - NOSE GEAR STRUT TUBE ASSEMBLY

TO:


REASON

This owner advisory is to inform you that SEB-32-02 has been issued to make an improved nose gear strut tube assembly available.

SEB-32-02 provides parts and instructions to install the new nose gear strut tube assembly.

COMPLIANCE

RECOMMENDED. This service bulletin should be accomplished at the next 200-hour or 12-month (annual-type) inspection.

LABOR HOURS

2.5 man-hours to install the new nose gear strut tube assembly.

WARRANTY

For airplanes in warranty and identified within the serial effectivity:

Applicable parts credit will be provided for the strut tube assembly.

A miscellaneous parts credit of $6.95 will be provided for model 172 airplanes.

A miscellaneous parts credit of $5.20 will be provided for model 182 airplanes.

2.5 man-hours per airplane will be provided to install the nose gear strut tube assembly.

Freight will be credited at the most economical method unless pre-approved by Cessna. For pre-approval contact Cessna Service Parts and Programs Warranty Administration at telephone: 316-831-4296, fax: 316-206-2746 or e-mail: cpd2claims@cessna.textron.com.

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

  Domestic ...............................................January 14, 2014
  International ..........................................January 14, 2014

Please contact a Cessna Authorized Service Facility for detailed information and arrange to have Cessna SEB-32-02 accomplished on your airplane.

NOTE: As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the “Customer Access” link at www.cessnasupport.com to register.

January 14, 2013

Cessna Aircraft Company, Cessna Customer Service, P.O. Box 7706, Wichita, KS 67277, U.S.A. 1-316-517-5800, Fax 1-316-517-7271, Email: customercare@cessna.textron.com

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