

**TITLE**

LANDING GEAR - MAIN LANDING GEAR OLEO STRUT ASSEMBLY AND TRAILING LINK WASHER  
MODIFICATION

**EFFECTIVITY****MODEL**

750 (Citation X)

**SERIAL NUMBERS**

-0309 thru -0313

**NOTE:** This service bulletin applies to aircraft/operators that choose to install main landing gear oleo strut assembly part numbers 6741140-1, 6741140-5, 6741140-6, 6741140-8, 6741140-10, 6741140-12 and 6741140-14 in place of main landing gear oleo strut assembly part number 6741140-15.

**REASON**

To provide a means to hold the lower oleo cap bearing in a fixed position to prevent damage to the lower main landing gear oleo strut cap.

**DESCRIPTION**

This service bulletin provides parts and instructions to install two washers at the attach point between the main landing gear oleo strut and trailing link.

**COMPLIANCE**

OPTIONAL. This service document can be accomplished at the discretion of the owner.

A service document published by Textron Aviation may be recorded as *completed* in an aircraft log only when the following requirements are satisfied:

- 1) The mechanic must complete all of the instructions in the service document, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service document kit. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The mechanic or airplane owner must use the technical data in the service document only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service document only to aircraft serial numbers identified in the *Effectivity* section of the document.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

No individual or corporate organization other than Textron Aviation is authorized to make or apply any changes to a Textron Aviation-issued service document or flight manual supplement without prior written consent from Textron Aviation.

Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-owned Service Center.

**APPROVAL**

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

February 5, 2021

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Textron Aviation Customer Service, P.O. Box 7706, Wichita, KS 67277, U.S.A. 1-316-517-5800

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**FLIGHT CREW OPERATIONS**

No Changes

**CONSUMABLE MATERIAL**

You must use the consumable materials that follow, or their equivalent, to complete this service document.

NAME	NUMBER	MANUFACTURER	USE
Lubricant	AVL Light Lubricant and Rust Inhibitor	Aviation Laboratories 5401 Mitchelldale #B6 Houston, TX 77092	To lubricate the 6741025-14 Washers.
Cor-Ban 23 Type IVB	U074098 Corrosion Inhibiting Compound	Textron Aviation Parts Distribution 7121 Southwest Blvd. Wichita, KS 67215	To assist in protecting airplanes from corrosion.

**WEIGHT AND BALANCE INFORMATION**

Negligible

**REFERENCES**

Cessna Model 750 (0001 - 0500) Maintenance Manual

**PUBLICATIONS AFFECTED**

Cessna Model 750 (0001 - 0500) Illustrated Parts Catalog

**ACCOMPLISHMENT INSTRUCTIONS**

**NOTE:** The instructions are written for the left main landing gear oleo strut assembly, the instructions for the right main landing gear oleo strut assembly are the same.

1. 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.
2. Jack the airplane until the main landing gear tires are clear of the floor. (Refer to Cessna 750 (-0001 - 0500) Maintenance Manual, Chapter 7, Jacking - Maintenance Practices.)
3. Remove the left or right wheel and tire assembly for access to remove the NAS6214C21D Bolt. (Refer to Cessna 750 (0001 - 0500) Maintenance Manual, Chapter 32, Main Landing Gear Wheels and Tires - Maintenance Practices.)

**NOTE:** Remove whichever wheel and tire assembly on each main landing gear oleo that gives you the best access for the removal of the NAS6114C21D Bolt.

4. (Refer to Figure 1, View B-B.) Remove and discard the MS24665-359 Cotter Pin and MS17826-14 Nut that attaches the main landing gear oleo to the trailing link. Discard the washers installed under the nut and head of the bolt.

**CAUTION:** Do not jack the trailing link to the point where the aircraft is lifted off the jacks.

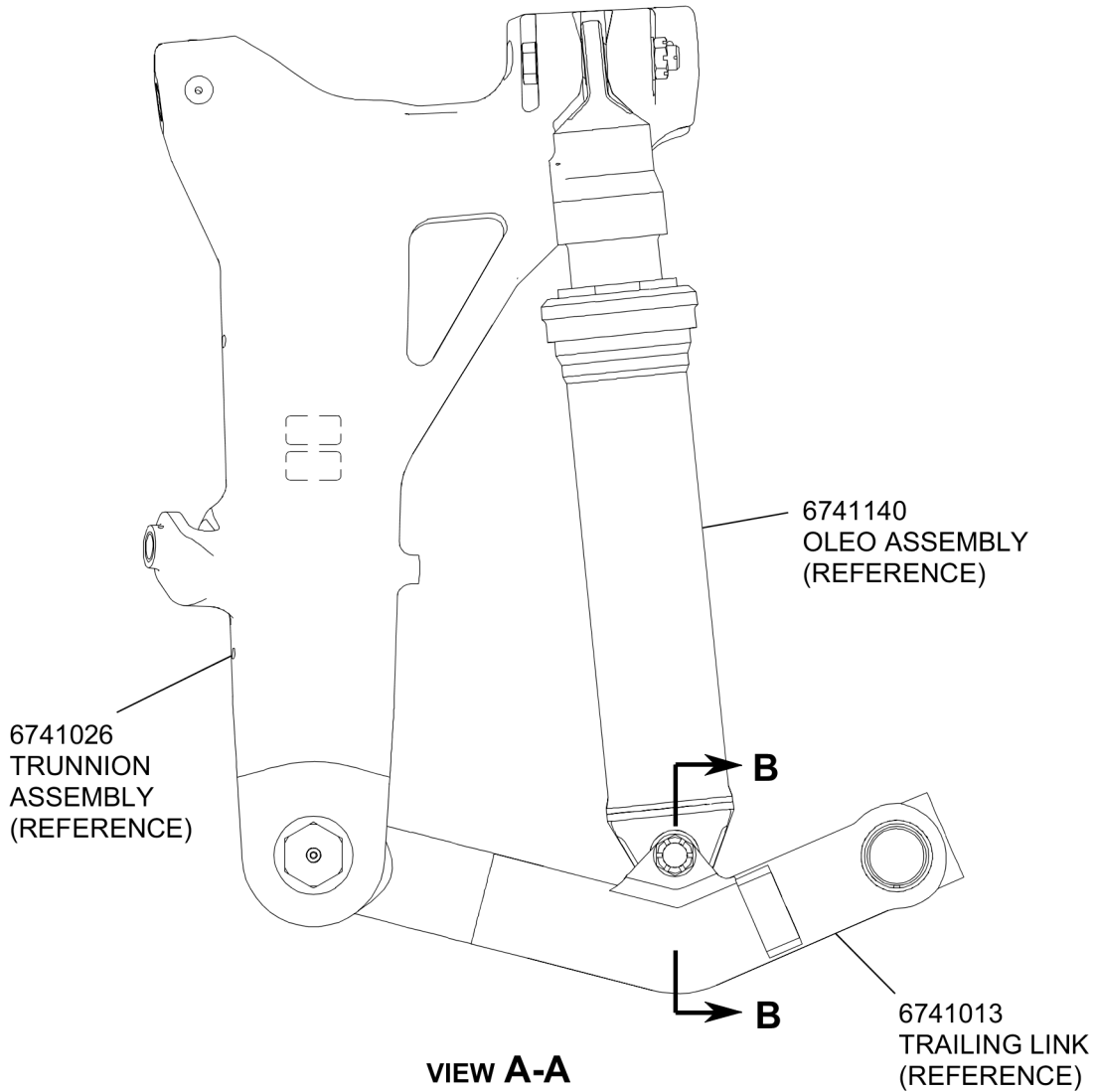
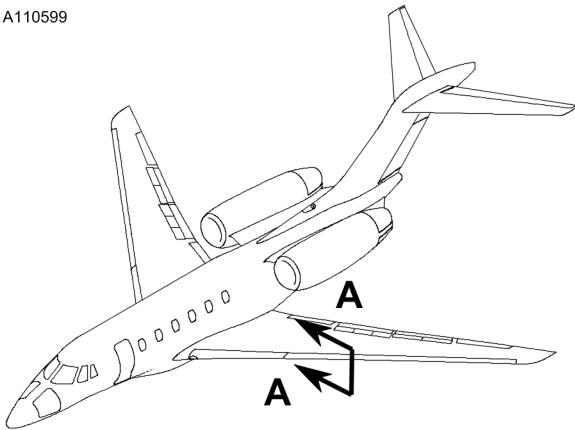
5. Using a floor jack under the aft end of the trailing link, jack the trailing link until the pressure has been removed from the NAS6214C21D Bolt.

6. (Refer to Figure 1, View B-B.) Remove and discard the NAS6214C21D Bolt from the main landing gear oleo and trailing link.
7. Lubricate the 6741025-14 Washers with AVL Light Lubricant and Rust Inhibitor, or equivalent.
8. (Refer to Figure 1, View B-B.) Insert one 6741025-14 Washer on each side of the bearing in the lower main landing gear oleo cap.  
**NOTE:** The 6741025-14 Washers will act as a spacer to hold the bearing in the housing.
9. Install one NAS1149F1490P Washer on the head side of one NAS6214C12D Bolt.
10. (Refer to Figure 1, View B-B.) Install the NAS6214C21D Bolt and NAS1149F1490P Washer through the trailing link and main landing gear oleo.
11. Install one NAS1149FI432P Washer and one MS17826-14 Nut on the NAS6214C21D Bolt.
12. (Refer to Figure 1, View B-B.) Tighten the MS17826-14 Nut until the washer under the nut cannot be rotated by hand, then loosen the nut to the next castellation.
13. (Refer to Figure 1, View B-B.) Install one MS24665-359 Cotter Pin through the NAS6214C21D Bolt and a MS17826-14 Nut. (Refer to Citation Standard Practices Manual, Chapter 20, Safelying - Maintenance Practices.)
14. Apply corrosion inhibiting compound U074098 to the bolt head, nut and cotter pin. (Refer to Citation Standard Practices Manual, Chapter 51, Corrosion Inhibitor Compounds (CIC) - Maintenance Practices.)
15. Remove the floor jack.
16. Install the left or right wheel and tire assembly. (Refer to Cessna 750 (0001 - 0500) Maintenance Manual, Chapter 32, Main Landing Gear Wheels and Tires - Maintenance Practices.)
17. Do Steps 3 thru 15 for the opposite main landing gear assembly.
18. Remove the maintenance warning tags and connect the airplane battery.
19. Do the landing operation check as follows:
  - A. Connect the external electrical power to the aircraft.
  - B. Connect the external hydraulic power unit to the aircraft.
  - C. Retract and extend the landing gear five times to make sure that the landing gear moves freely during retraction and extension.
  - D. Disconnect the external hydraulic power unit from the aircraft.
  - E. Disconnect the external electrical power from the aircraft.
20. Remove the aircraft from jacks. (Refer to Cessna 750 (-0001 - 0500) Maintenance Manual, Chapter 7, Jacking - Maintenance Practices.)
21. Make sure the flight crew receives the *Flight Crew Operations Summary*, which shows the operational changes that are a result of the accomplishment of this service bulletin.
22. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

**NOTE:** Textron Aviation recommends that compliance with all service documents is reported to a maintenance tracking system provider.

- Complete a record of compliance. (Maintenance Transaction Report, Log Book Entry, or other record of compliance.)
- Put a copy of the completed record of compliance in the airplane logbook.
- Send a copy of the completed record of compliance to the maintenance tracking system provider used.

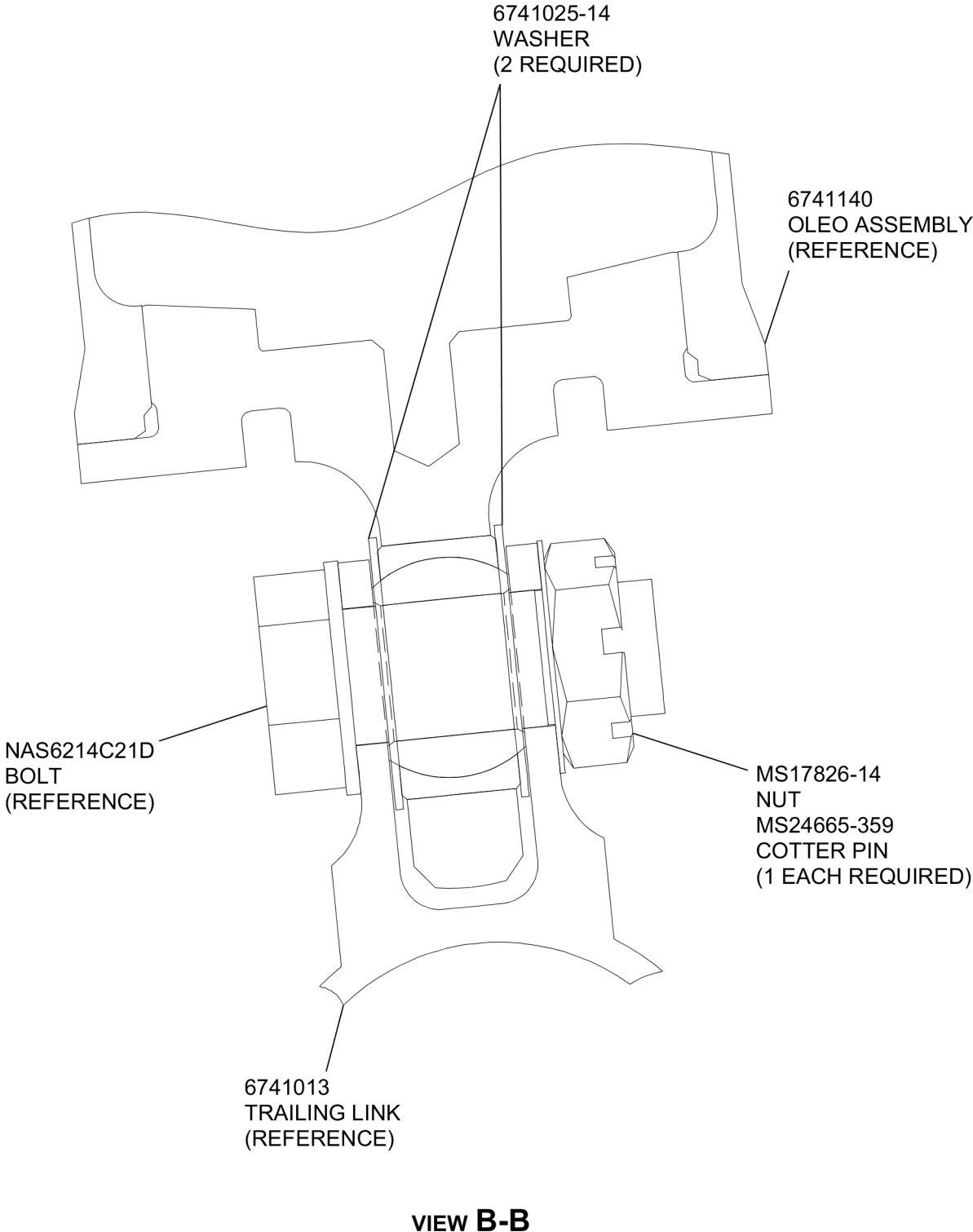
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6710T1001  
AA6741T025

Figure 1. Main Landing Gear Oleo Strut Assembly and Trailing Link Washer Modification (Sheet 1)

A110600



BB6741T025

Figure 1. Main Landing Gear Oleo Strut Assembly and Trailing Link Washer Modification (Sheet 2)

**MATERIAL INFORMATION**

Order the kit below to install this modification.

NEW P/N	QUANTITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
<b>SB750-32-64</b>		<b>Kit</b> ,consisting of the following parts		
MS17826-14	2	Nut	MS17826-14	Discard
MS24665-359	2	Cotter Pin	MS24665-359	Discard
NAS1149F1432P	2	Washer	NAS1149F1432P	Discard
NAS1149F1490P	2	Washer	NAS1149F1490P	Discard
NAS6214C21D	2	Bolt	NAS6214C21D	Discard
6741025-14	4	Washer		
SB750-34-64	1	Instructions		

Please contact Textron Aviation Parts Distribution for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International). Send email to: [parts@txtav.com](mailto:parts@txtav.com).

Based on availability and lead times, parts may require advanced scheduling.



**TITLE**

LANDING GEAR - LANDING GEAR - MAIN LANDING GEAR OLEO STRUT ASSEMBLY AND TRAILING LINK WASHER MODIFICATION

**TO:**

Cessna Model 750 Aircraft Owner

**REASON**

To provide a means to hold the lower oleo cap bearing in a fixed position to prevent damage to the lower main landing gear oleo strut cap.

**COMPLIANCE**

OPTIONAL. This service document can be accomplished at the discretion of the owner.

**LABOR HOURS**

WORK PHASE	LABOR-HOURS
Modification	As Necessary
Test and Inspection	As Necessary

**MATERIAL AVAILABILITY**

The kit below is required to complete this service document.

PART NUMBER	AVAILABILITY	COST
SB750-32-64	*	*

\* Please contact Textron Aviation Parts Distribution for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International). Send email to: [parts@txtav.com](mailto:parts@txtav.com).

Based on availability and lead times, parts may require advanced scheduling.

**WARRANTY**

None

**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.txtavsupport.com](http://www.txtavsupport.com) to register.