

**MANDATORY****SEL-32-06****TITLE**

LANDING GEAR - MAIN LANDING GEAR CHANNEL INSPECTION

**EFFECTIVITY****MODEL**

T206H

**SERIAL NUMBERS**

T20609670, T20609671, T20609672

**REASON**

Some airplanes may have the main landing gear channel installed incorrectly. An incorrectly installed channel may not fully seat against the landing gear due to design geometry.

**DESCRIPTION**

This service document provides instructions to do a general visual inspection of the left and right channel for the main landing gear and rotate the channel if found to be installed incorrectly.

**COMPLIANCE**

MANDATORY. This service document must be accomplished at the next 100-hour or 12-month (annual-type) inspection.

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.

**CONSUMABLE MATERIAL**

No specialized consumable materials are required to complete this service document.

**TOOLING**

No specialized tooling is required to complete the inspection portion of this service document.

**REFERENCES**

Cessna Model 206 (Series 1998 And On) Maintenance Manual

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**MANDATORY****SEL-32-06****PUBLICATIONS AFFECTED**

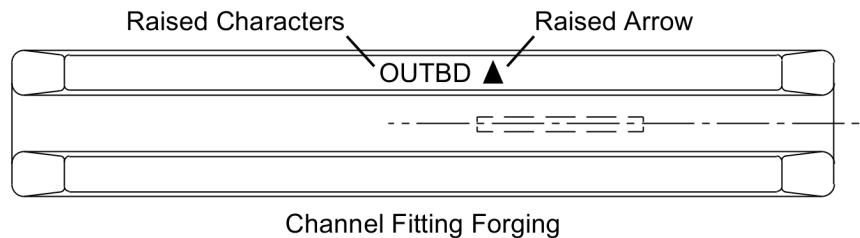
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**ACCOMPLISHMENT INSTRUCTIONS**

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 external electrical power.
    - (2) Disconnect the airplane battery.
  - 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. Remove the screws that connect the fuselage fairing to the fuselage for the left and right main landing gear. (Refer to the Maintenance Manual, Chapter 32, Main Landing Gear - Maintenance Practices.)
3. (Refer to figures that follow.) Do a general visual inspection to check for proper installation of the channel at the outboard forging for the left and right main landing gear channel.

**NOTE:** The convex surface of the channel is installed against the lower side of the strut. The concave side of the channel is to be installed pointed down, so that it touches the lower edge of the slot in the forging. The raised characters OUTBD should be located outboard.

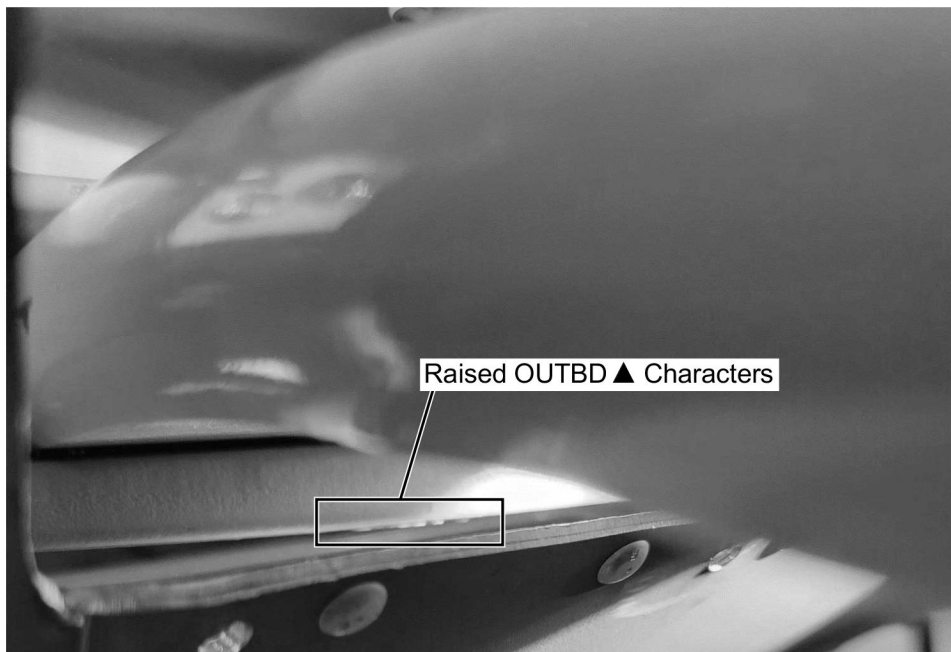
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**MANDATORY**

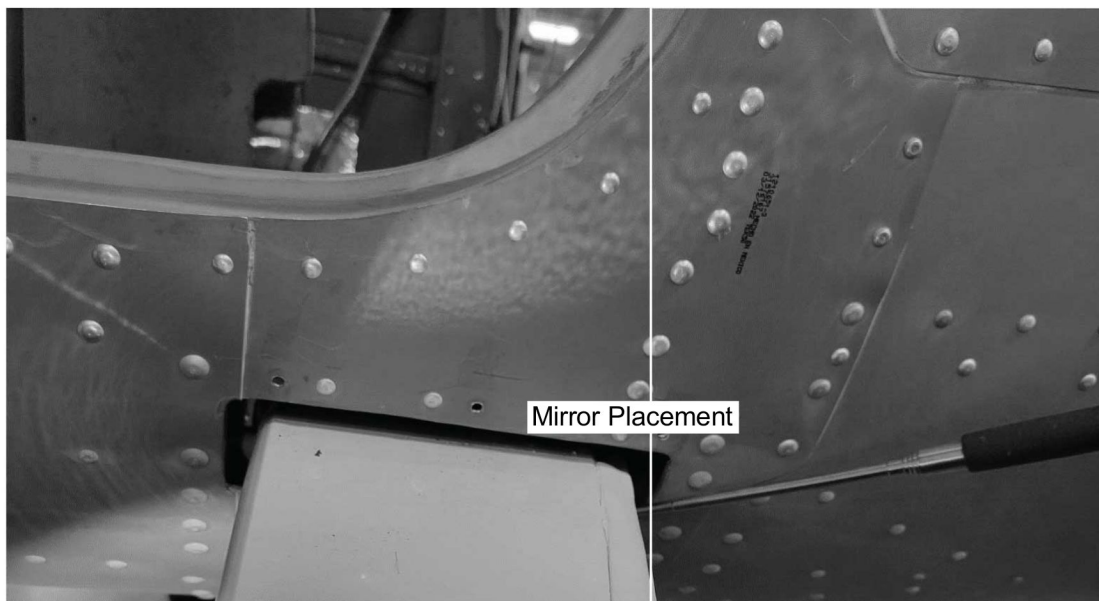
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View from Left Side, front of Landing Gear Looking Inboard and Aft.

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View Looking Inboard at Left Side.  
Mirror Placement from Aft Side of  
Landing Gear While Looking Inboard  
and Aft from in Front of Landing Gear.

- A. If the channels are installed correctly for the left and right main landing gear, go to Step 16.
- B. If a channel is not installed correctly on either the left and right main landing gear, go to Step 4.

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4. Remove the pilot seat for the left side and copilot seats for the right side as necessary. (Refer to the Maintenance Manual, Chapter 25, Front Seats - Maintenance Practices.)
5. Remove access plate 230JB for the left side or 230KB for the right side as necessary. (Refer to the Maintenance Manual, Chapter 6, Access/Inspection Plates - Description and Operation.)
6. Lift the airplane with jacks sufficient to remove the weight from the main landing gear. (Refer to the Maintenance Manual, Chapter 7, Jacking - Maintenance Practices.)

**NOTE:** It is acceptable for the tires to remain in contact with the ground, the intent is to unload the gear. It is not necessary to lift the airplane so high that the tires are off the ground.

7. Remove the bolts, washers, and nuts that attach the spring strut and channel to the outboard forging.
8. Remove and reposition the channel in the correct position.

**CAUTION:** Make sure that you are careful when the channel is removed so that damage does not occur to it.

**NOTE:** The convex surface of the channel is installed against the lower side of the strut. The concave side of the channel is to be installed pointed down, so that it touches the lower edge of the slot in the forging.

9. Install the bolts with the countersunk washers in the top of the outboard forging and channel.
 

**NOTE:** The countersunk side of the washer faces up, or towards the bolt head.
10. Install the nuts on the bottom of the outboard forging.
11. Torque the outboard bolts to 660 to 750 inch-pounds.
12. Make sure that when the outboard bolts are torqued, no less than 80% of the channel touches the lower side of the strut.
13. Remove the jacks. (Refer to the Maintenance Manual, Chapter 7, Jacking - Maintenance Practices.)
14. Install removed access plates.
15. Install the removed seats. (Refer to the Maintenance Manual, Chapter 25, Front Seats - Maintenance Practices.)
16. Install the fuselage fairings to the fuselage. (Refer to the Maintenance Manual, Chapter 32, Main Landing Gear - Maintenance Practices.)
17. Remove the maintenance warning tags and connect the airplane battery.
18. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

**MATERIAL INFORMATION**

It may be necessary to order the parts below to install this modification.

NEW P/N	QUANTITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
MS21044N7	As Necessary	Nut	Same	2 per side
S3461-127	As Necessary	Bolt	Same	2 per side

\* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

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

**TITLE**

LANDING GEAR - MAIN LANDING GEAR CHANNEL INSPECTION

**TO:**

Cessna Model T206H Aircraft Owner of Serials T20609670, T2069671, and T2069672

**REASON**

Some airplanes may have the main landing gear channel installed incorrectly. An incorrectly installed channel may not fully seat against the landing gear due to design geometry.

**COMPLIANCE**

MANDATORY. This service document must be accomplished at the next 100-hour or 12-month (annual-type) inspection.

**LABOR HOURS**

For planning purposes only:

WORK PHASE	LABOR-HOURS
Inspection	4.0
Forging Reposition	4.0

**MATERIAL AVAILABILITY**

PART NUMBER	AVAILABILITY	COST
MS21044N7	*	*
S3461-127	*	*

\* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

**WARRANTY**

This service document is *mandatory*. Eligible airplanes may qualify for parts and labor coverage to the extent noted in the *Labor Hours* and *Material Availability* sections of this document.

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**Eligibility:** Airplanes identified within the serial number effectivity of this service document must have active Airframe warranty coverage on the original issue date of this document and the coverage must be active on the day the work is accomplished.

**Parts Coverage:** Textron Aviation-owned and Textron Aviation-authorized Service Facilities, operators, or other maintenance facilities may submit a claim for the parts required to accomplish this service document as defined in the *Material Availability* section of this document.

**Labor Coverage:** Textron Aviation-owned and Textron Aviation-authorized Service Facilities rated to perform maintenance on the specific model of Cessna Aircraft may submit a claim for the labor necessary to accomplish this service document as defined in the *Labor Hours* section of this document.

**Credit Application:** After this service document has been accomplished, a claim must be submitted to Textron Aviation within 30 days of the service document completion. Claims for compliance of this service document are to be filed as a W4 type claim.

Please submit your claim form online at [ww2.txtav.com/Parts](http://ww2.txtav.com/Parts) or email the completed Textron Aviation Claim Form to [warranty@txtav.com](mailto:warranty@txtav.com). If submitted on-line a Return Authorization will be provided. If a paper claim is submitted your claim will be entered into the system and a Return Authorization will be sent to you.

The Return Authorization must accompany any required return parts (see *Material Availability*), to the point of purchase.

Parts to be returned to Textron Aviation Parts Distribution should be forwarded to:

Textron Aviation Parts Distribution  
Warranty Administration  
285 South Greenwich Road  
Bldg B89, Docks 1-4  
Wichita, KS 67206  
USA

**Expiration:** June 14, 2023 (after this date the owner/operator assumes the responsibility for compliance costs)

Textron Aviation reserves the right to void continued airplane warranty coverage for the parts affected by this service document until the service document is accomplished.

**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.