

**MANDATORY****CAL-27-07****TITLE**

FLIGHT CONTROLS - REPLACE AILERON TRIM TAB PUSHROD ASSEMBLIES

**EFFECTIVITY**

MODEL	SERIAL NUMBERS
208	20800551 thru 20800609
208B	208B5048 thru 208B5430, 208B5432, 208B5433

**REASON**

The aileron trim tab pushrod assemblies may fracture without any previous warning. Failure of both pushrod assemblies on one side of the aircraft could lead to catastrophic flutter.

**DESCRIPTION**

This service document provides parts and instructions to remove and replace the aileron trim tab pushrod assemblies.

**COMPLIANCE**

MANDATORY. This service document must be accomplished within 100 flight hours or three months from the date of receipt, whichever occurs first.

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 this service document.

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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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## REFERENCES

Cessna Model 208 Maintenance Manual.

## PUBLICATIONS AFFECTED

None

## 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 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. Remove 575AB fuel vent (wing tip). (Refer to Cessna Model 208 Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
3. Remove access panels 551AB and 651AB to gain access to the aileron trim tab push rod assemblies. (Refer to Cessna Model 208 Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
4. Mark existing left and right aileron trim tab pushrod assemblies (two per side) as discards prior to removal.
5. Remove existing left and right aileron trim tab pushrod assemblies and replace with new aileron trim tab pushrod assemblies. (Refer to Cessna Model 208 Maintenance Manual, Chapter 27, Aileron Trim System - Maintenance Practices.)

**NOTE:** When removing the left bracket on the left inboard pushrod, disconnect the outboard rod and remove screws that secure the bracket. This will allow access to remove the bolt.
6. Destroy the removed aileron trim tab pushrod assemblies.

**NOTE:** One method of destruction is to cut the removed aileron trim tab pushrod assemblies in half.
7. Reinstall access panels 551AB and 651AB. (Refer to Cessna Model 208 Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
8. Install 575AB fuel vent (wing tip). (Refer to Cessna Model 208 Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
9. Remove the maintenance warning tags and connect the airplane battery.
10. 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 Camp Systems International.

- 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: Camp Systems International Incorporated, 8201 East 34th Street North, Building 1100 Suite 1101 Wichita, KS 67226.

**MANDATORY****CAL-27-07****MATERIAL INFORMATION**

Order the parts below to install this modification.

<b>NEW P/N</b>	<b>QUAN- TITY</b>	<b>KEY WORD</b>	<b>OLD P/N</b>	<b>INSTRUCTIONS/ DISPOSITION</b>
2622260-5	2	Right Push Rod Assembly		
2622260-4	2	Left Push Rod Assembly		
MS24665-132	8 (4 per side)	Cotter Pin		

\* 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**

FLIGHT CONTROLS - REPLACE AILERON TRIM TAB PUSHROD ASSEMBLIES

**TO:**

Caravan Aircraft Owner

**REASON**

The aileron trim tab pushrod assemblies may fracture without any previous warning. Failure of both pushrod assemblies on one side of the aircraft could lead to catastrophic flutter.

**COMPLIANCE**

MANDATORY. This service document must be accomplished within 100 flight hours or three months from the date of receipt, whichever occurs first.

**LABOR HOURS**

WORK PHASE	LABOR-HOURS
Modification	9.0

**MATERIAL AVAILABILITY**

PART NUMBER	AVAILABILITY	COST
2622260-5	*	*
2622260-4	*	*
MS24665-132	*	*

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

**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:** January 10, 2020 (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.