

REVISION TRANSMITTAL

This sheet transmits Revision 1 to CAL-27-07, which:

- A. Updates the Effectivity.
- B. Updates the Compliance.
- C. Adds inspection criteria.

NOTE: This revision replaces the original issue of CAL-27-07 in its entirety.

REVISION COMPLIANCE

NO EFFECT. Airplanes previously modified by this service letter are not effected by this revision.

LOG OF REVISIONS

Original Issue	January 10, 2019
Revision 1	February 8, 2019

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

FLIGHT CONTROLS - REPLACE AILERON TRIM TAB PUSHROD ASSEMBLIES

EFFECTIVITY**MODEL****SERIAL NUMBERS**

208

20800601 thru 20800609

208B

208B5334 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. The aileron trim tab pushrod assemblies must be inspected every 100 flight hours beginning 100 flight hours from receipt of the original issue of this service document until the aileron trim tab pushrod assemblies are replaced. All aileron trim tab pushrod assemblies must be replaced within 12 months from receipt of the original issue of this service document.

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.

Original Issue - January 10, 2019
 Revision 1 - February 8, 2019

CAL-27-07
 Page 1 of 3

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

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MANDATORY**CAL-27-07****TOOLING**

No specialized tooling is required to complete this service document.

REFERENCES

Cessna Model 208 Maintenance Manual.

PUBLICATIONS AFFECTED

None

ACCOMPLISHMENT INSTRUCTIONS

1. Inspect the left and right aileron trim tab pushrod assemblies:
 - A. Position the aileron trailing edge up.
 - B. Look through the small access cover to verify the condition of the pushrod assemblies.
 - (1) If the pushrod assemblies are connected at both ends and there is no sign of fracturing, resume normal operation of the airplane until the next 100 hour inspection of the pushrods or until all pushrods are replaced as defined in Compliance.
 - (2) A fractured pushrod assembly (or assemblies) must be replaced. 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 575AB fuel vent (wing tip). (Refer to Cessna Model 208 Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
4. 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.)
5. Mark existing left and right aileron trim tab pushrod assemblies (two per side) as discards prior to removal.
6. 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.
7. 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.
8. Reinstall access panels 551AB and 651AB. (Refer to Cessna Model 208 Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
9. Install 575AB fuel vent (wing tip). (Refer to Cessna Model 208 Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
10. Remove the maintenance warning tags and connect the airplane battery.

MANDATORY**CAL-27-07**

11. 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.

MATERIAL INFORMATION

Order the parts below to install this modification.

NEW P/N	QUAN-TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
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.

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. The aileron trim tab pushrod assemblies must be inspected every 100 flight hours beginning 100 flight hours from receipt of the original issue of this service document until the aileron trim tab pushrod assemblies are replaced. All aileron trim tab pushrod assemblies must be replaced within 12 months from receipt of the original issue of this service document.

LABOR HOURS

WORK PHASE	LABOR-HOURS
Modification	9.0

MATERIAL AVAILABILITY

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

* 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.

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.

Eligibility: All airplanes identified within the serial number effectivity.

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 or email the completed Textron Aviation Claim Form to 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 to register.