

TITLE

LANDING GEAR - EMERGENCY BRAKE VALVE ASSEMBLY INSPECTION

EFFECTIVITY

MODEL	SERIAL NUMBERS
525 (M2)	-1044 thru -1046

REASON

It was found that some 9912387-5 Emergency Brake Valves can have oversized back-up rings installed. Oversize back-up rings could result in leakage over time.

DESCRIPTION

This service letter provides parts and instructions to inspect the emergency brake valve assembly serial numbers if necessary.

COMPLIANCE

RECOMMENDED. This service document should be accomplished at a scheduled maintenance period or inspection.

A service bulletin 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 bulletin, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service bulletin 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 bulletin only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service bulletin only to aircraft serial numbers identified in the *Effectivity* section of the bulletin.
- 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 bulletin, service letter, 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.

CONSUMABLE MATERIAL

No specialized consumable materials are 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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TOOLING

No specialized tooling is required to complete this service document.

WEIGHT AND BALANCE INFORMATION

Negligible

REFERENCES

Cessna Model 525 (0685 and 0800 & On) 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 batteries.
 - (2) Disconnect external electrical power.
 - D. Attach maintenance warning tags to the batteries and external power receptacle that have "**DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS**" written on them.
2. (Refer to Figure 1, Detail A.) Inspect the serial number on the 9912387-5 Emergency Brake Valve.

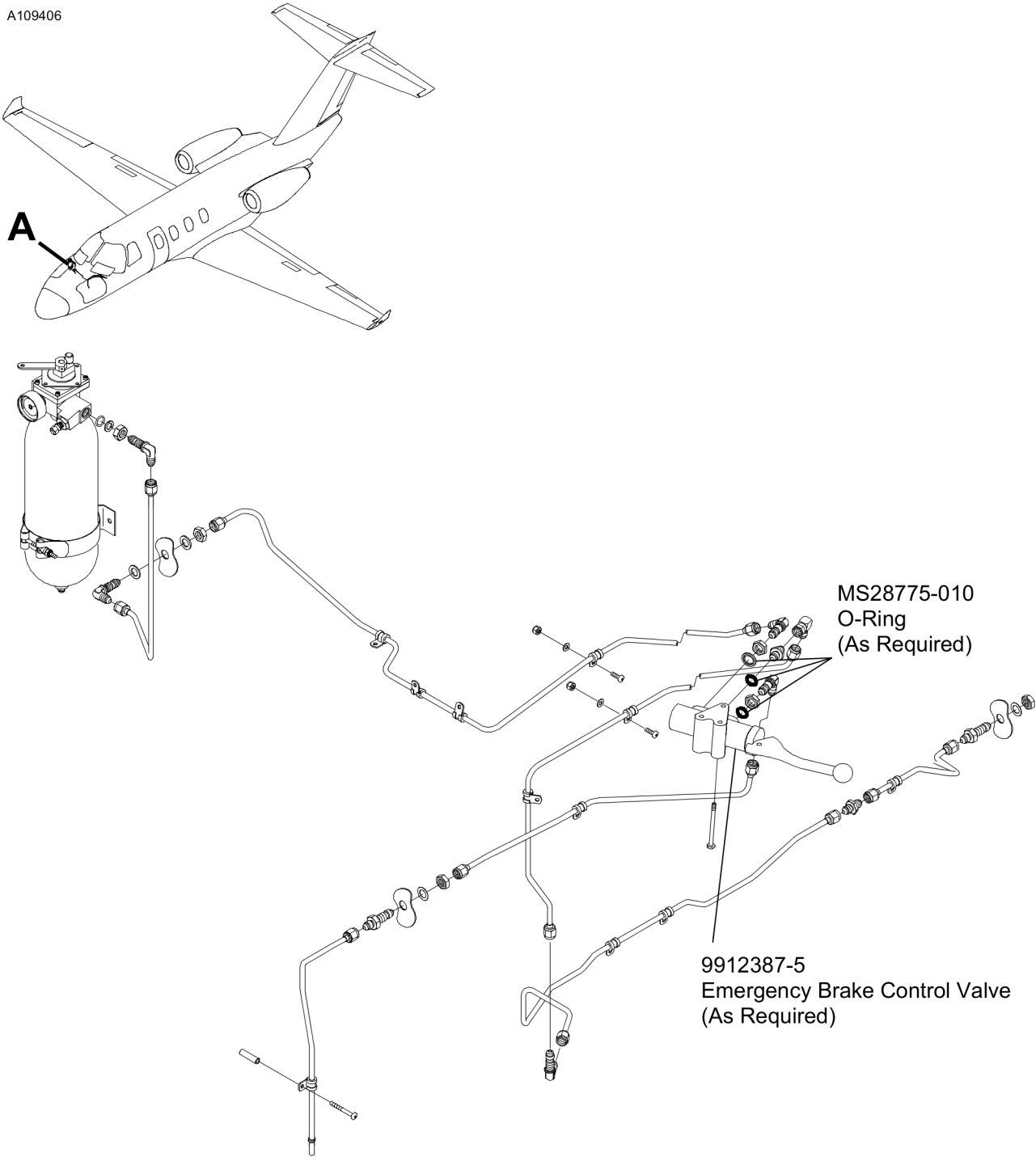
NOTE: The emergency brake valve is on the pilot side under the instrument panel.

 - A. If the serial number is not V761A, V837A, V838A, V840A, V841A , V842A or V843A, no further action required. Go to Step 5.
 - B. If the serial number of the emergency brake valve is V761A, V837A, V838A, V840A, V841A , V842A or V843A, replace the 9912387-5 Emergency Brake Valve. Go to Step 3.
3. Remove the 9912387-5 Emergency Brake Valve. (Refer to the Model 525 (0685 and 0800 & On) Maintenance Manual, Chapter 32, Landing Gear Pneumatic Brake System - Maintenance Practices.)
 - A. Keep the hardware and discard the three MS28775-010 O-Rings.
 - B. Return the 9912387-5 Emergency Brake Valve and return to Textron Aviation Parts Distribution, Warranty Administration.
4. Install the new 9912387-5 Emergency Brake Valve with the kept hardware and three MS28775-010 O-Rings. (Refer to the Model 525 (0685 and 0800 & On) Maintenance Manual, Chapter 32, Landing Gear Pneumatic Brake System - Maintenance Practices.)
5. Remove the maintenance warning tags and connect the airplane battery.
6. 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.

A109406



MS28775-010
O-Ring
(As Required)

9912387-5
Emergency Brake Control Valve
(As Required)

DETAIL A

Figure 1. Emergency Brake Valve Assembly Inspection (Sheet 1)

6310T1168
A6317T1208

MATERIAL INFORMATION

Order the parts below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
MS28775-010	3	O-Ring		Discard Removed Install New
9912387-5	1	Emergency Brake Valve	Same	Return to Textron Aviation

The existing Emergency Brake Control Valve may be returned to Textron Aviation Parts Distribution, Warranty Administration, 285 South Greenwich Road, Bldg B89, Docks 1-4, Wichita, KS 67206, USA, and exchanged for an upgraded unit. Due to limited availability, advance scheduling is required, please expedite the return of the removed part.

In cases where the required part(s) are approved as exchange, order the exchange part and, upon completion, expedite the return of the removed part to avoid return penalties. Contact the Textron Aviation Parts Distribution Sales Desk for availability of exchange parts.

* 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.

TITLE

LANDING GEAR - EMERGENCY BRAKE VALVE ASSEMBLY INSPECTION

TO:

Citation M2 Owner

REASON

It was found that some 9912387-5 Emergency Brake Valves can have oversized back-up rings installed. Oversize back-up rings could result in leakage over time.

COMPLIANCE

RECOMMENDED. This service document should be accomplished at a scheduled maintenance period or inspection.

LABOR HOURS

For planning purposes only:

WORK PHASE	LABOR-HOURS
Inspection	0.5
Modification	4.0

MATERIAL AVAILABILITY

No part are required to complete this service document.

PART NUMBER	AVAILABILITY	COST
MS28775-010	*	*
9912387-5	*	*

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WARRANTY

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

July 9, 2020

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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 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: July 9, 2022 (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.