

**TITLE**

AIR CONDITIONING - ELECTRIC HEATER THERMAL FUSE REPLACEMENT

**EFFECTIVITY**

MODEL	SERIAL NUMBERS
B200GT	BY-397, BY-399
B300	FL-1255, FL-1256, FL-1259 thru FL-1261
B300C	FM-98

**REASON**

Incorrect value of the thermal fuse installed in the heater assembly. The fuses that were installed will open at a lower temperature than designed and the heater will stop working even though working within the designed temperature range.

**NOTE:** The thermal fuses that were installed are not a safety issue as the thermal fuses are a lower temperature value, not higher.

**DESCRIPTION**

This service document provides parts and instructions to replace the thermal fuses in the heater assembly.

**COMPLIANCE**

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

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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.

**REFERENCES**

Super King Air B200GT/B200CGT Fusion Maintenance Manual

Super King Air B300/B300C Fusion Maintenance Manual

**PUBLICATIONS AFFECTED**

None

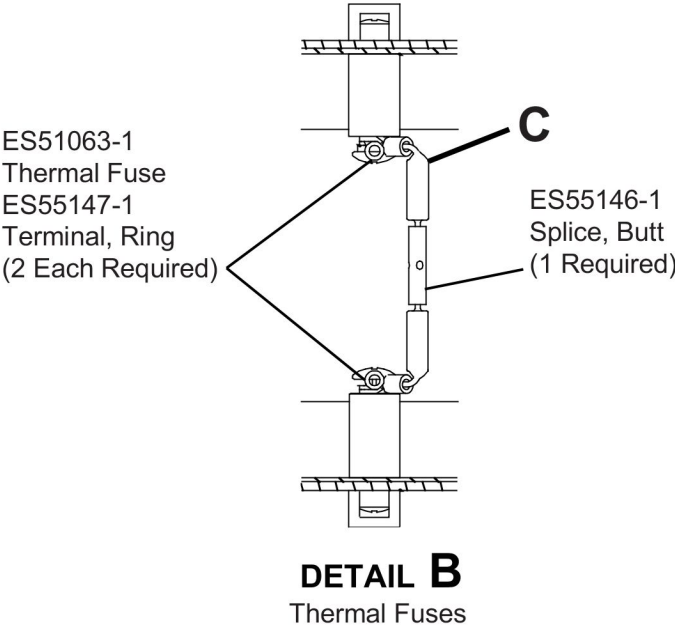
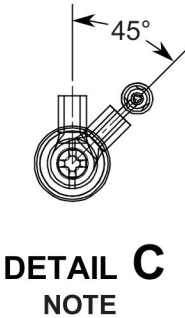
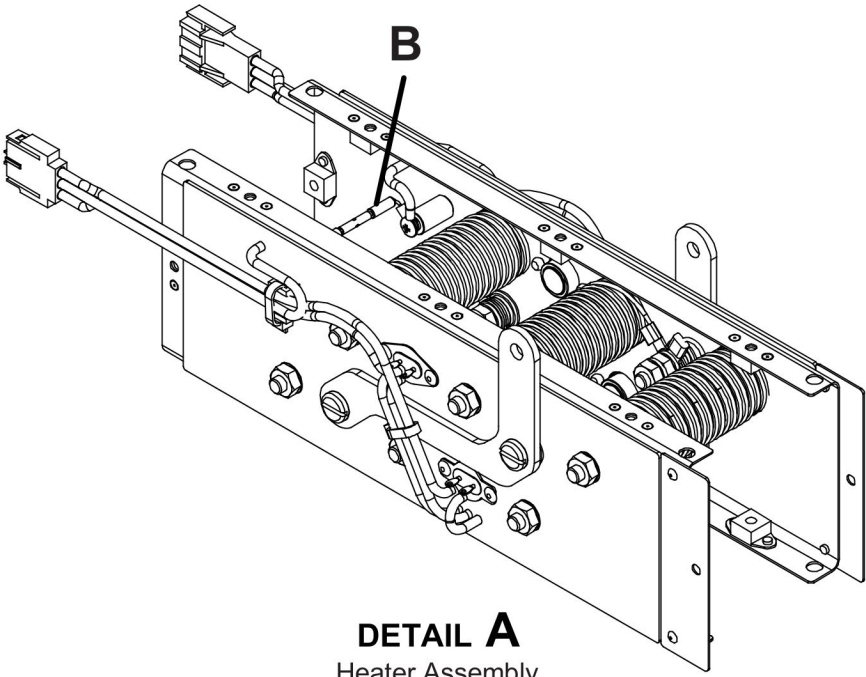
**ACCOMPLISHMENT INSTRUCTIONS**

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 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. (Refer to Figure 1.) Replace the two thermal fuses. (Refer to the applicable Maintenance Manual, Chapter 21, Thermal Fuse - Removal/Installation.)
3. Remove the maintenance warning tags and connect the airplane battery.
4. 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.

E76034



**NOTE:** Rotate Thermal Fuses 45-Degree away from heater coils.

Figure 1. Thermal Fuse Installation (Sheet 1)

**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>
AN525-832R6	6	Screw	Same	For Cover, If needed
ES51063-1	2	Thermal Fuse	Same	
ES55146-1	1	Splice, Butt	Same	
ES55147-1	2	Terminal, Ring	Same	

\* Please contact your Regional Textron Aviation Parts Distribution Customer Support Team 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).

For more information, please visit the TAPD Support & Aftermarket Account Management website at <https://ww2.txtav.com/Parts/Promos/TAPD>.

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

**TITLE**

AIR CONDITIONING - ELECTRIC HEATER THERMAL FUSE REPLACEMENT

**TO:**

Beechcraft Models B200GT, B300, B300C Aircraft Owner

**REASON**

Incorrect value of the thermal fuse installed in the heater assembly. The fuses that were installed will open at a lower temperature than designed and the heater will stop working even though working within the designed temperature range.

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**LABOR HOURS**

WORK PHASE	LABOR-HOURS
Modification	8.0

**MATERIAL AVAILABILITY**

PART NUMBER	AVAILABILITY	COST
AN525-832R6	*	*
ES51063-1	*	*
ES55146-1	*	*
ES55147-1	*	*

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

**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.

November 10, 2021

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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 Beechcraft 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:** November 10, 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](http://www.txtavsupport.com) to register.