

TITLE

PNEUMATIC - FLOW CONTROL VALVE INSULATION INSPECTION

EFFECTIVITY

MODEL	SERIAL NUMBERS
B200GT	BY-207, BY-239, BY-250 thru BY-394
B200CGT	BZ-1, BZ-2
B300	FL-954, FL-1010, FL-1031 thru FL-1243, FL-1246 thru FL-1252
B300C	FM-66 thru FM-97

REASON

Insulation and foil tape on the left and right flow control valves could be missing.

DESCRIPTION

This service document provides parts and instructions to visually inspect the left and right flow control valves for insulation and foil tape, and add if found missing to insulate and wrap with foil tape.

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

You must use the consumable materials that follow, or their equivalent, to complete this service document.

April 17, 2024

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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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NAME	NUMBER	MANUFACTURER	USE
Fiberglass Insulation	BS272-HH	Textron Aviation Parts Distribution WW2.TXTAV.COM/PARTS	To insulate the flow control valve.
Aluminum Foil Tape	1520CW (P/N VAADP)	3M 3M Center Saint Paul, MN 55144	To wrap the fiberglass insulation.

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

Super King Air B200GT/B200CGT Fusion Maintenance Manual

Super King Air B300/B300C Fusion Maintenance Manual

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 main 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. Open the left and right engine cowl door. (Refer to the applicable Maintenance Manual, Chapter 71, Upper Aft Cowling - Removal/Installation.)
3. (Refer to figure 1, Sheets 1 thru 3.) Do a visual inspection of the left flow control valve for insulation and foil tape wrap.
 - A. If the left flow control valve has insulation and foil wrap, go to Step 4.
 - B. If the left flow control valve does not have insulation and foil wrap, do as follows:
 - (1) Remove the left flow control valve. (Refer to the applicable Maintenance Manual, Chapter 21, Flow Control Valve - Removal/Installation.)

NOTE: It is acceptable to wrap the flow control valve without removing at the technicians discretion, only if the technician feels that it is possible to properly and completely wrap the flow control valve. If this is the case, then an operational check would not be necessary since the flow control valve were not removed.
 - (2) Insulate the flow control valve with BS272-HH Fiberglass Insulation and wrap with 1520CW Aluminum Foil Tape.

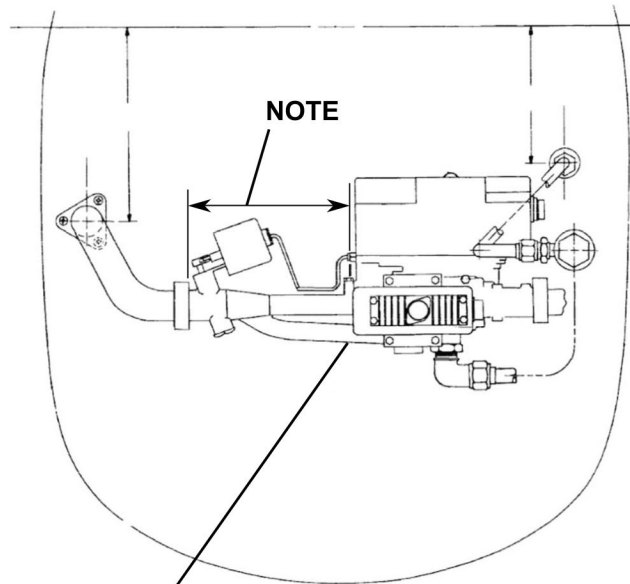
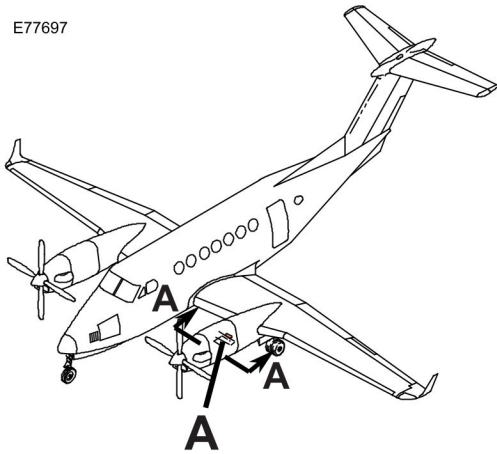
NOTE: Overlap 2 inch wide tape by approximately half when wrapping. insulation may be compressed locally to maintain 0.25 inch clearance with adjacent hardware and structure.
 - (3) (If a valve was removed to insulate.) Install the left flow control valve. (Refer to the applicable Maintenance Manual, Chapter 21, Flow Control Valve - Removal/Installation.)

4. Repeat step 3 for right flow control valve.
5. Remove the maintenance warning tags and connect the airplane battery.
6. (If a valve was removed to insulate.) Do the bleed air test of removed flow control valve. (Refer to the applicable Maintenance Manual, Chapter 21, Bleed Air Flow Rate - Adjustment/Test.)
7. Close the engine cowl doors. (Refer to the applicable Maintenance Manual, Chapter 71, Upper Aft Cowling - Removal/Installation.)
8. 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.

E77697



Flow Control Valve
(Reference)

VIEW A-A

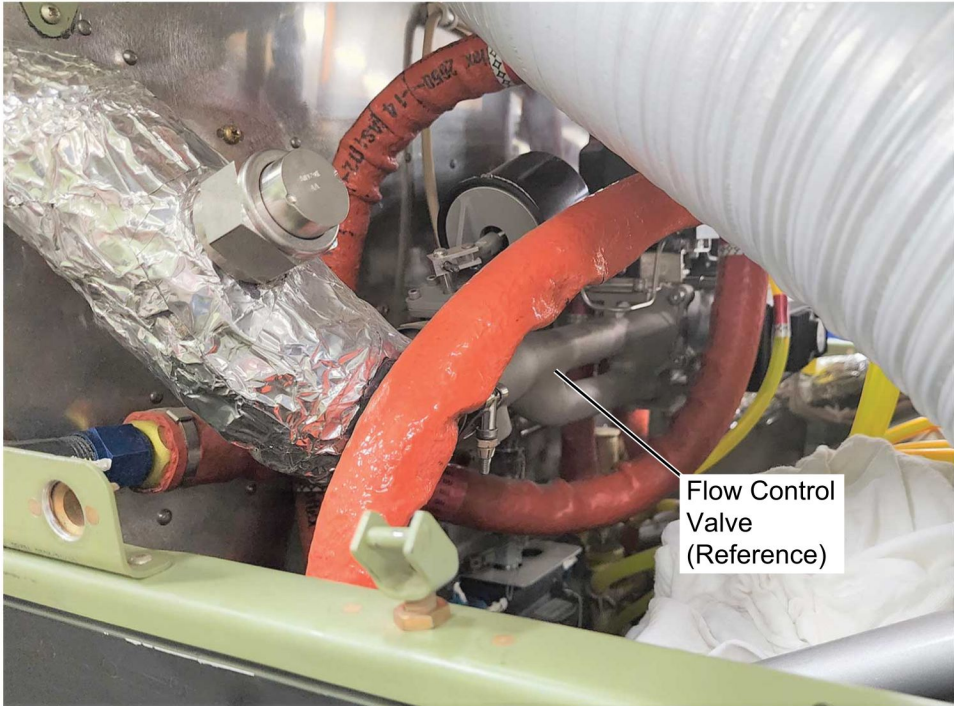
View Looking at FS 147.00

NOTE: Insulate the flow control valve baffle with BS272-HH Fiberglass Insulation and wrap with aluminum pressure sensitive foil Tape 1520CW.

101-910154

Figure 1. Flow Control Valve Insulation Installation (Sheet 1)

E77704



DETAIL A

Before Insulation Installation
View Looking Outboard at Left Engine
(Model 200GT Shown)



DETAIL A

Before Insulation Installation
View Looking Outboard at Right Engine
(Model 200GT Shown)

Figure 1. Flow Control Valve Insulation Installation (Sheet 2)

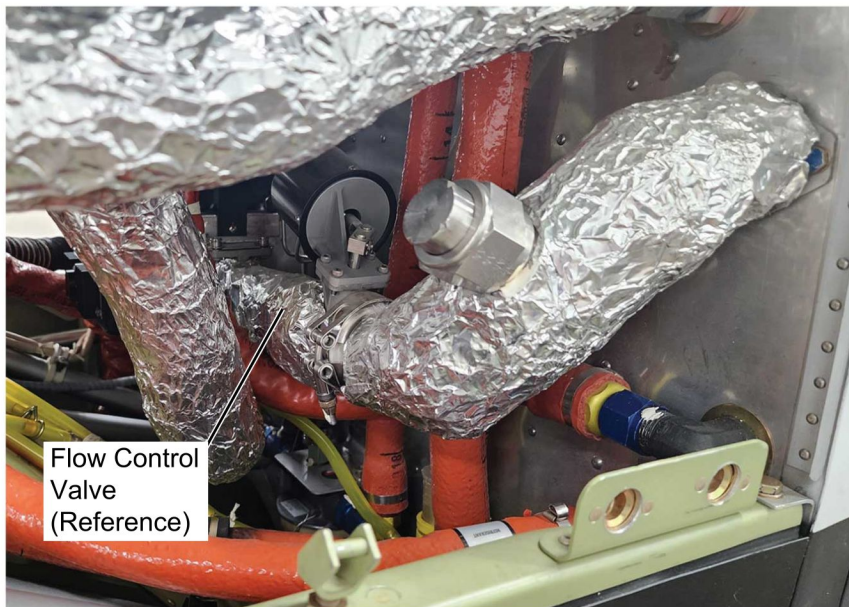
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DETAIL A

After Insulation Installation
View Looking Outboard at Left Engine
(Model 200CGT Shown)



DETAIL A

After Insulation Installation
View Looking Outboard at Right Engine
(Model 200CGT Shown)

101-910154

Figure 1. Flow Control Valve Insulation Installation (Sheet 3)

MATERIAL INFORMATION

No parts are required to complete this service document.

TITLE

PNEUMATIC - FLOW CONTROL VALVE INSULATION INSPECTION

TO:

Beechcraft Model B200GT, B200CGT, B300, B300C Aircraft Owner

REASON

Insulation and foil tape on the left and right flow control valves could be missing.

COMPLIANCE

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

LABOR HOURS

WORK PHASE	LABOR-HOURS
Insulation Wrapping	1 Hour For Each Engine
Return to Service (Only if the flow control valve was removed)	4 Total Hours

MATERIAL AVAILABILITY

No part are required to complete this service document.

WARRANTYThis 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.

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 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 should be forwarded to:

TEXTRON AVIATION INC
WARRANTY ADMINISTRATION
BLDG P43 DOCK R5
7123 SW BLVD
Wichita, KS 67215

Expiration: April 17, 2026 (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 support.txtav.com to register.