

TITLE

AIR CONDITIONING - COCKPIT FOOT WARMER DUCT INSPECTION

EFFECTIVITY

MODEL	SERIAL NUMBERS
B200	BB-1978, BB-1988 thru BB-2021
B200C	BL-152 thru BL-171
B200GT	BY-1 thru BY-435
B200CGT	BZ-1 thru BZ-8
B300	FL-493, FL-500 thru FL-1299
B300C	FM-14 thru FM-107

REASON

During initial inspection it has been found that the deflector assembly clamps may not have been installed.

DESCRIPTION

This service document provides parts and instructions to inspect the deflector assembly clamps and install as required.

COMPLIANCE

RECOMMENDED. This service document should be accomplished at the next 200-hour or 12-month 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.

August 08, 2023

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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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CONSUMABLE MATERIAL

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

NAME	NUMBER	MANUFACTURER	USE
Fiberglass	BS272-WWV-C	Textron Aviation Parts Distribution 7121 Southwest Boulevard Wichita, KS 67215	To insulate the ducts.
Tape	3M Weather Resistant Film Tape 838	3M Company 3M Center St. Paul, MN 55144	To seal the ducts.
Isopropyl Alcohol		Commercially Available	To clean duct assemblies.

TOOLING

No specialized tooling is required to complete this service document.

REFERENCES

- Beechcraft 200 Series Aircraft Maintenance Manual
- Beechcraft Super King Air B200GT/B200CGT Fusion Maintenance Manual
- Beechcraft Super King Air B300/B300C Fusion Maintenance Manual
- Beechcraft Super King Air B300/B300C Maintenance Manual

PUBLICATIONS AFFECTED

None

ACCOMPLISHMENT INSTRUCTIONS

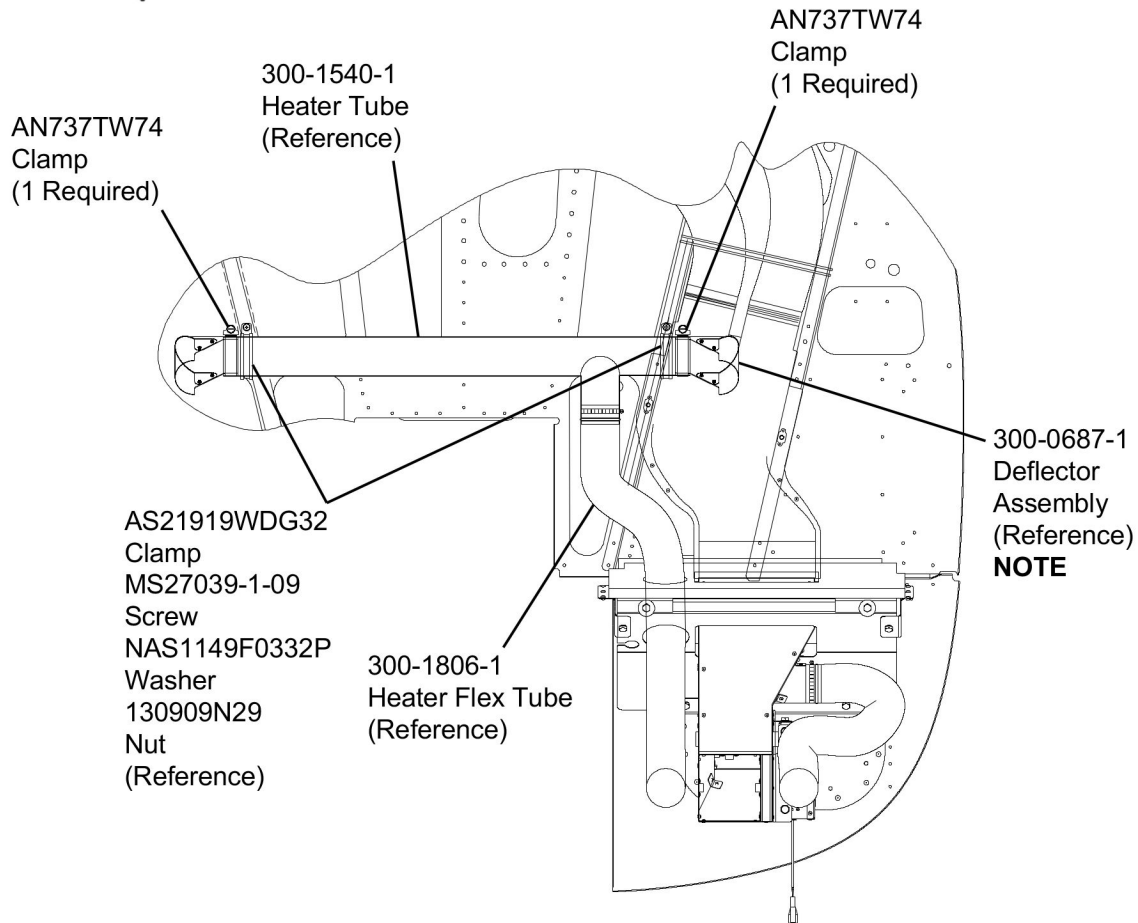
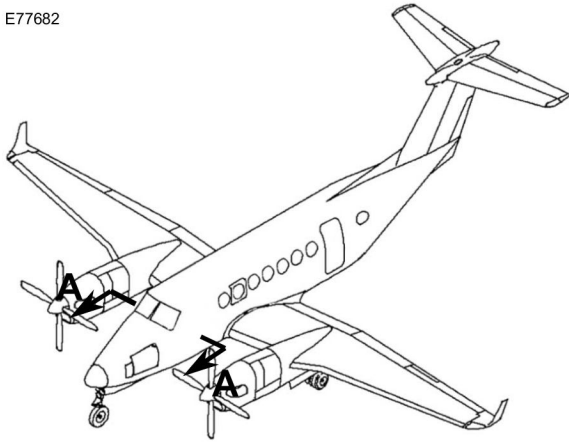
1. Prepare the airplane for maintenance.
 - A. Make sure that the airplane is electrically grounded.
 - B. Make sure that all switches are in the OFF/NORM position.
 - C. Disconnect electrical power from the airplane.
 - (1) Disconnect external electrical power.
 - (2) Disconnect the main airplane battery.
 - 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. (Refer to Figure 1, View A-A.) Do an inspection of the heater tube and deflector assembly for the AN737TW74 Clamps installation.
 - A. If the AN737TW74 Clamps are installed in the deflector assembly, then go to Step 5.
 - B. If the AN737TW74 Clamps are not installed in the deflector assembly, then do as follows:
 - (1) Remove the pilot and copilot seat. (Refer to the applicable Maintenance Manual, Chapter 25, Pilot and Copilot Seat - Removal/Installation.)
 - (2) Remove cockpit interior, as required, to remove the 300-1540-1 Heater Tube.
 - (3) Remove and retain the screws, washers and nuts that attach the AS21919WDG32 clamps to the aircraft frame.
 - (a) Remove and retain the AS21919WDG32 Clamps.
 - (4) Loosen the clamp to remove the 300-1540-1 Heater Tube from the 300-1806-1 Heater Flex Tube.

- (5) Remove the 300-1540-1 Heater Tube from the airplane.
 - (6) Remove the two 300-0687-1 Deflector Assemblies from the 300-1540-1 Heater Tube.
 - (7) Clean the surfaces of the 300-1540-1 Heater Tube and the 300-0687-1 Deflector Assemblies with Isopropyl Alcohol.
 - (8) Insulate the 300-1540-1 Heater Tube with one layer of BS272-WWV-C Fiberglass.
 - (9) Attach the fiberglass insulation with 2.0 Inch wide 3M Weather Resistant Film Tape.
 - (10) Place one AN737TW74 Clamp onto the left and right side of the 300-1540-1 Heater Tube.
 - (11) Position the 300-0687-1 Deflector Assembly onto the left and right side of the 300-1540-1 Heater Tube, pointed aft approximately 30 degrees down from horizontal.
 - (12) Install the AN737TW74 Clamps to secure the two 300-0687-1 Deflector Assemblies onto the 300-1540-1 Heater Tube.
 - (13) Position the 300-1540-1 Heater Tube and tighten the clamp that attach the 300-1540-1 Heater Tube to the 300-1806-1 Heater Flex Tube.
 - (14) Hand tighten the AN737TW74 Clamps and make sure that the rubber sleeve is not turning.
 - (a) If you are able to turn the sleeve, then tighten the clamp for 1/4 turn and check.
 - (b) Repeat the steps until the sleeve is not able to turn.
 - (15) Install the retained AS21919WDG32 Clamps using the retained hardware.
3. Install any cockpit interior that was removed.
 4. Install the pilot and copilot seat. (Refer to the applicable Maintenance Manual, Chapter 25, Pilot and Copilot Seat - Removal/Installation.)
 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.

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VIEW A-A

View Looking Forward at FS 84.00

NOTE: Point the 300-0687-1 Deflector Assemblies aft, 30 degrees down from horizontal.

130-555017-16

Figure 1. Clamp Installation (Sheet 1)

MATERIAL INFORMATION

The part below may be required to complete this service letter.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
AN737TW74	As Required	Clamp	N/A	Install

TITLE

AIR CONDITIONING - COCKPIT FOOT WARMER DUCT INSPECTION

TO:

Beechcraft Model B200, B200C, B200GT, B200CGT, B300, and B300C Aircraft Owner

REASON

During initial inspection it has been found that the deflector assembly clamps may not have been installed.

COMPLIANCE

RECOMMENDED. This service document should be accomplished at the next 200-hour or 12-month inspection.

LABOR HOURS

WORK PHASE	LABOR-HOURS
Modification	27
Inspection	1

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
AN737TW74	*	*

* 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.

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.

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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 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: August 08, 2025 (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.support.txtav.com to register.