

TITLE

FLIGHT CONTROLS - AILERON POSITION TRANSDUCER CONNECTOR BRACKET RELOCATION

EFFECTIVITY

MODEL	SERIAL NUMBERS
B200CGT	BZ-1 thru BZ-4 (with FDR Installed)
B200GT	BY-207, BY-253 thru BY-335 (with FDR Installed)
B300C	FM-66 thru FM-100 (with FDR Installed)
B300	FL-1036, FL-1040 thru FL-1262 (with FDR Installed)

REASON

Relocation of the aileron position transducer connector bracket to avoid possible interference between the aileron trim cable and the aileron position transducer connector.

DESCRIPTION

This service document provides parts and instructions to inspect possible aileron trim cable interference and relocate the aileron position transducer connector bracket as necessary.

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 material that follows, or their equivalent, 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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NAME	NUMBER	MANUFACTURER	USE
Color Chemical Film Treatment	U074093 (Alodine 1132 Touch n Prep)	Textron Aviation Parts Distribution 7121 Southwest Boulevard Wichita, KS 67215	To prepare bare aluminum surface for intermediate primer.

TOOLING

No specialized tooling is required to complete this service document.

REFERENCES

Beechcraft Super King Air B200GT/B200CGT Fusion Maintenance Manual

Beechcraft Super King Air B300/B300C Fusion Maintenance Manual

Beechcraft Structural Inspection and Repair Manual

PUBLICATIONS AFFECTED

None

ACCOMPLISHMENT INSTRUCTIONS

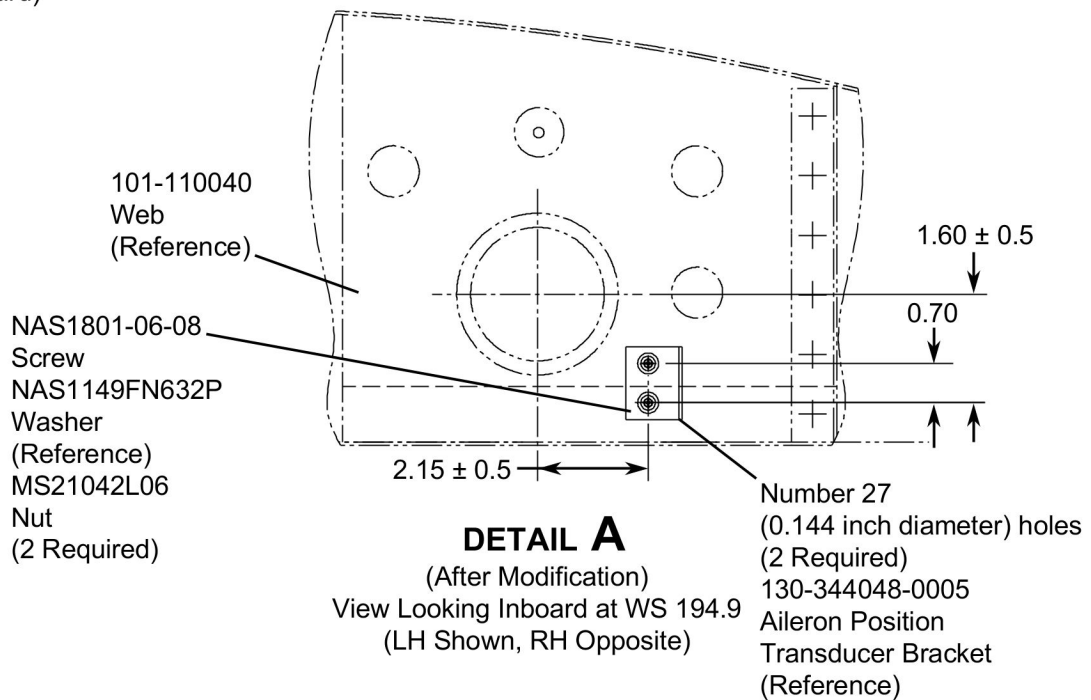
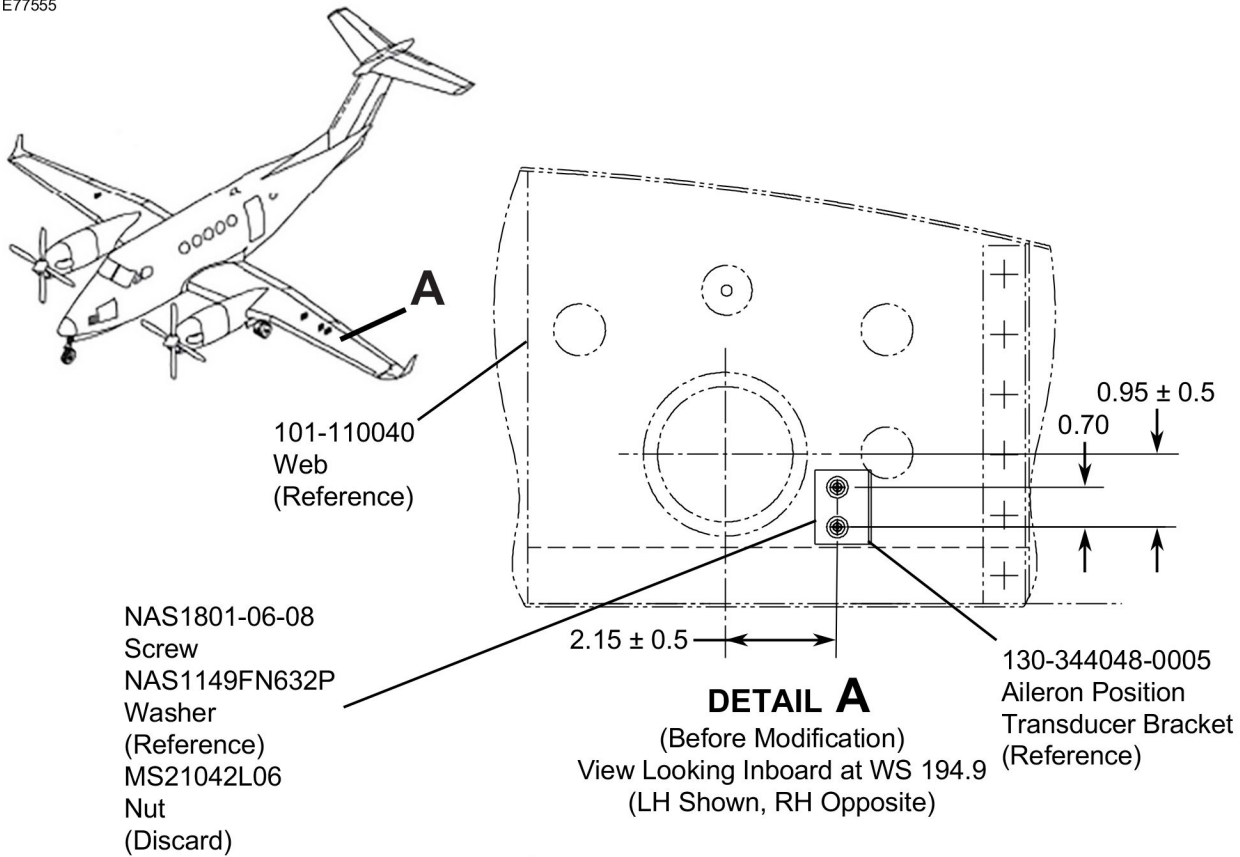
1. Prepare the airplane for maintenance.
 - A. Make sure that the airplane is electrically grounded.
 - B. Make sure that all switches are in the OFF/NORM position.
 - C. Disconnect electrical power from the airplane.
 - (1) Disconnect external electrical power.
 - (2) Disconnect the airplane battery.
 - 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. Remove the appropriate wing access panels to get access to the aileron position transducer bracket. (Refer to the applicable Maintenance Manual, Chapter 6, Airplane Access Panels - Description and Operation.)
3. Move the aileron trim from full up to the full down position.
 - A. If the aileron trim cable contacts the connector of the aileron position transducer, go to Step 4.
 - B. If the aileron trim cable does not contact the connector of the aileron position transducer, go to Step 12.
4. Disconnect the electrical connector from the receptacle of the 130-344048-0005 Aileron Position Transducer Bracket.
 - A. Inspect the electrical connector for damage and replace, if required.
5. Remove the two NAS1801-06-08 Screws, four NAS1149FN632P Washers and two MS21042L06 Nuts that attach the 130-344048-0005 Aileron Position Transducer Bracket to the 101-110040 Web.
 - A. Retain the two NAS1801-06-08 Screws, four NAS1149FN632P Washers and 130-344048-0005 Aileron Position Transducer Bracket.
 - B. Discard the two MS21042L06 Nuts.
6. (Refer to Figure 1, Sheet 1.) Temporarily place the 130-344048-0005 Aileron Position Transducer Bracket onto the 101-110040 Web.
 - A. Connect the connector into the receptacle of the 130-344048-0005 Aileron Position Transducer Bracket.

- B. Move the aileron trim from the full up to the full down position.
- (1) Make sure that the aileron trim cable does not contact the connector.
7. Disconnect the connector and remove the temporarily placed 130-344048-0005 Aileron Position Transducer Bracket.
8. (Refer to Figure 1, Sheet 1.) Mark and drill two Number 27 (0.144 inch diameter) holes in the 101-110040 Web to match the 130-344048-0005 Aileron Position Transducer Bracket.
- A. Debur the drilled holes.
- B. Apply U074093 (Alodine 1132) Color Chemical Film Treatment to the holes.
- C. Plug the existing holes. (Refer to the Beechcraft Structural Inspection and Repair Manual, Chapter 20, Minor Dents, Gouges, Scratches, Patches, and Minor Splice Repair.)
9. (Refer to Figure 1, Sheet 1.) Install the retained 130-344048-0005 Aileron Position Transducer Bracket to the 101-110040 Web with the retained NAS1801-06-08 Screws and NAS1149FN632P Washers, and with the two new MS21042L06 Nuts.
10. Connect the electrical connector to the receptacle of the 130-344048-0005 Aileron Position Transducer Bracket.
11. Do the functional test of the aileron trim position transducer. (Refer to the applicable Maintenance Manual, Chapter 31, Aileron Trim Control Position Transducer - Adjustment/Test.)
12. Install the removed wing access panels. (Refer to the applicable Maintenance Manual, Chapter 6, Airplane Access Panels - Description and Operation.)
13. Remove the maintenance warning tags and connect the airplane battery.
14. 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.

E77555



NOTE: All dimensions are in Inches.

130-344052

Figure 1. Aileron Position Transducer Bracket Relocation (Sheet 1)

MATERIAL INFORMATION

Order the part below to install this modification.

NEW P/N	QUAN-TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
MS21042L06	As Required	Nut	MS21042L06	Discard

* 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

FLIGHT CONTROLS - AILERON POSITION TRANSDUCER CONNECTOR BRACKET RELOCATION

TO:

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

REASON

Relocation of the aileron position transducer connector bracket to avoid possible interference between the aileron trim cable and the aileron position transducer connector.

COMPLIANCE

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

LABOR HOURS

WORK PHASE	LABOR-HOURS
Modification	6

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
MS21042L06	*	*

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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.

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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: February 07, 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.txtavsupport.com to register.