

REVISION TRANSMITTAL

This sheet transmits Revision 1 to MTL-32-03 which:

- A. Updates the EFFECTIVITY section.

NOTE: This revision replaces the original issue of MTL-32-03 in its entirety.

REVISION COMPLIANCE

NO AFFECT

LOG OF REVISIONS

| | |
|----------------|-------------------|
| Original Issue | November 18, 2022 |
| Revision 1 | December 2, 2022 |

MANDATORY**MTL-32-03****TITLE**

LANDING GEAR - LANDING GEAR CONTROL SWITCH INSPECTION

EFFECTIVITY

| MODEL | SERIAL NUMBERS |
|--------|----------------|
| B200GT | BY-420, BY-426 |
| B300 | FL-1291 |

REASON

The landing gear control switch internal set screw may not have necessary adhesive (thread locker) applied. If the set screw becomes loose, the cam can move and landing gear handle position can be out of sync. This can create a unknown landing gear position or possible inoperative landing gear command.

DESCRIPTION

This service document provides parts and instructions to inspect the application of the adhesive (thread locker) to the set screw in the landing gear control switch.

COMPLIANCE

MANDATORY. This service document must be accomplished at the next 200-hour or 12-months, whichever occurs first.

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.

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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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MANDATORY**MTL-32-03**

| NAME | NUMBER | MANUFACTURER | USE |
|--|---------|--|------------------------------------|
| Anaerobic Adhesive (Loctite 242) (Thread Locker) | U074062 | Textron Aviation Parts Distribution 7121 Southwest Boulevard Wichita, KS 67215 | Apply to screw as a thread locker. |

TOOLING

No specialized tooling is required to complete this service document.

REFERENCES

Super King Air B200/B200CGT Fusion Maintenance Manual

Super King Air B300/B300C Fusion Maintenance Manual

PUBLICATIONS AFFECTED

Super King Air B200/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 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, Sheet 1.) Remove and retain the screws that attach the electroluminescent panel and plate to the panel support.
 - A. Retain the electroluminescent panel and plate.
3. Carefully pull the plate away from the support panel and disconnect the electrical connector (P200) from the 101-384137-7 Landing Gear Control Switch.
4. (Refer to Figure 1, Sheet 1.) Remove and retain the screws that attach the 101-384137-7 Landing Gear Control Switch to the plate.
5. Pull the 101-384137-7 Landing Gear Control Switch from the instrument panel and disconnect the electrical connector.
6. (Refer to Figure 1, Sheet 2.) Do a visual inspection of the set screw in the 101-384137-7 Landing Gear Control Switch cam.
 - A. If evidence of adhesive, (such as Loctite 242 thread locker) is visible in the set screw, go to Step 6.
 - B. If no evidence of adhesive, (such as Loctite 242 thread locker) is visible, do as follows:
 - (1) Hold or lock the cam in place prior to set screw removal.
 - (2) Remove the set screw from the cam.
 - (3) Apply a drop of U074062 (Loctite 242, thread locker) Adhesive to the threads of the set screw.
 - (4) Install the set screw in the cam.
7. Connect the electrical connector (P200) to the 101-384137-7 Landing Gear Control Switch and install the landing gear control switch to the plate with the retained screws.

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8. Install the plate and electroluminescent panel to the panel support using the retained screws.
9. Remove the maintenance warning tags and connect the airplane battery.
10. Disengage all the circuit breakers on the weather section of the RH circuit breaker panel.
11. Lift the airplane on jacks. (Refer to the applicable Maintenance Manual, Chapter 7, Three Point Jacking - Maintenance Practices.)
12. Move the Landing Gear Control Handle up and down and make sure that the landing gear retracts and extends accordingly. (Refer to the applicable Maintenance Manual, Chapter 32, Landing Gear - Adjustment/Test.)
13. Lower the airplane. (Refer to the applicable Maintenance Manual, Chapter 7, Three Point Jacking - Maintenance Practices.)
14. Engage all circuit breakers.
15. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

MANDATORY

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E77035

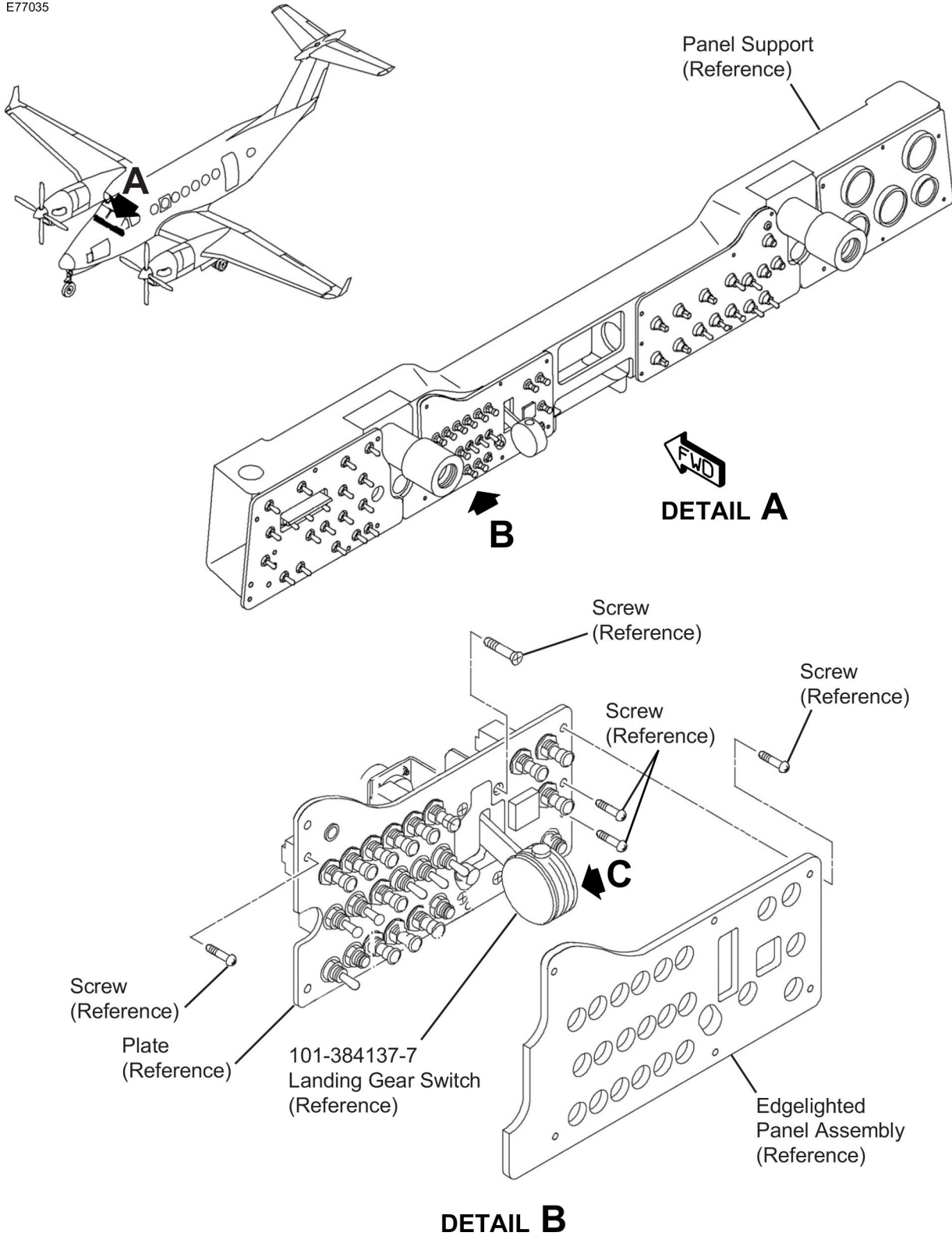
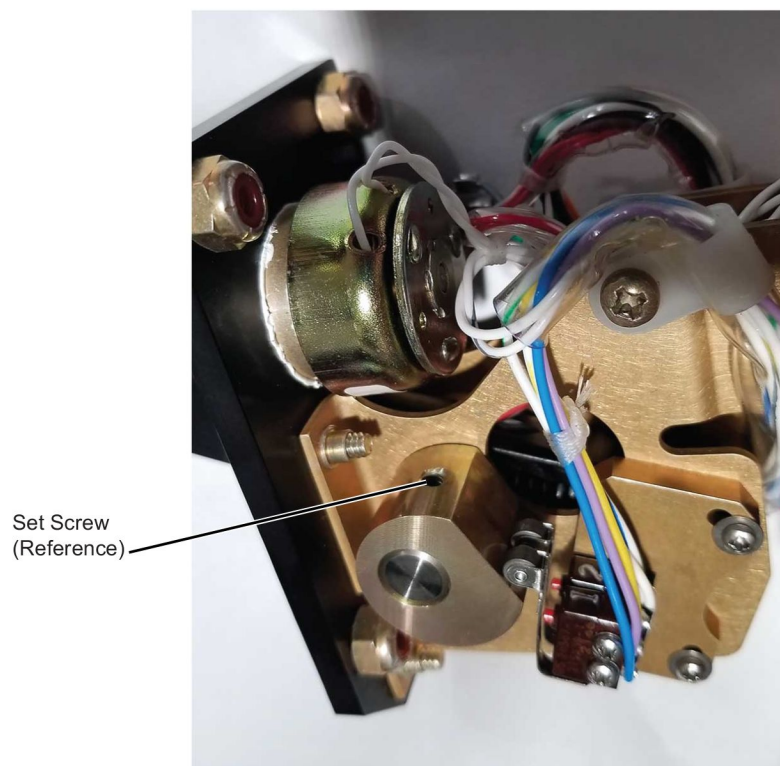
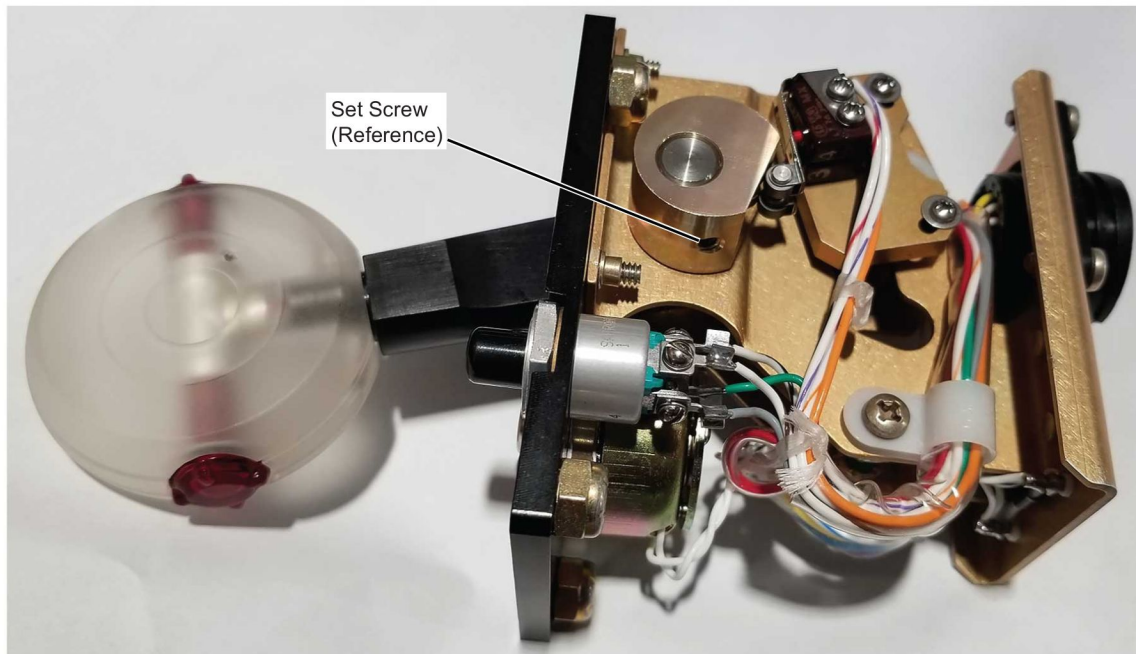


Figure 1. Landing Gear Control Switch Inspection (Sheet 1)

E77048



DETAIL C

Figure 1. Landing Gear Control Switch Inspection (Sheet 2)

MANDATORY

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MATERIAL INFORMATION

No parts are required to complete this service document.

TITLE

LANDING GEAR - LANDING GEAR CONTROL SWITCH INSPECTION

TO:

Beechcraft Model B200GT, B300 Aircraft Owner

REASON

The landing gear control switch internal set screw may not have necessary adhesive (thread locker) applied. If the set screw becomes loose, the cam can move and landing gear handle position can be out of sync. This can create a unknown landing gear position or possible inoperative landing gear command.

COMPLIANCE

MANDATORY. This service document must be accomplished at the next 100-hour or 12-months, whichever occurs first.

LABOR HOURS**WORK PHASE**

Modification

LABOR-HOURS

2.0

MATERIAL AVAILABILITY

No part are required to complete this service document.

WARRANTY

This service document is *mandatory*. 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 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 18, 2024 (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.