

**MANDATORY****SL700-27-02****TITLE**

FLIGHT CONTROLS - INSPECTION OF THE LEFT AND RIGHT WING AILERON CONTROL CABLE INSTALLATION

**EFFECTIVITY**

<b>MODEL</b>	<b>SERIAL NUMBERS</b>
700 (Citation Longitude)	-0004, -0007, -0008, -0011, -0012, -0014 thru -0032, -0034, -0036 thru -0041, -0044, -0045

**REASON**

To inspect the position of the left and right wing aileron control cable installation in the retainer.

**DESCRIPTION**

This service letter provides instructions to inspect the left and right wing aileron control cable retainer for correct cable installation.

**COMPLIANCE**

MANDATORY. This service document must be accomplished within 6 months from the date of receipt or 400 Flight Hours, 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**

No specialized consumable materials are required to complete this service document.

**TOOLING**

No specialized tooling is required to complete this service document.

June 1, 2021

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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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**REFERENCES**

Cessna Model 700 Maintenance Manual

Citation Standard Practices 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 the airplane batteries.
    - (2) Disconnect external electrical power.
  - D. Attach maintenance warning tags to the batteries and external power receptacle that have **"DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS"** written on them.
2. Open the main landing gear inboard doors to get access to the wing aileron control cable. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 32, Landing Gear Extension and Retraction - Maintenance Practices.)
3. Remove wing trailing edge access panels 532AT and , 632AT. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 6, Wing Trailing Edge Access Panel - Removal/Installation.)
4. (Refer to Figure 1.) Make sure that the wing aileron control cable is installed in the correct position in the 7461166-14 Retainer.

**NOTE:** The ball end of the aileron cable should be installed with the cable and ball inserted in the 7461166-14 Retainer recess (Refer to Figure 1, Detail B.)
5. (Refer to Figure 1, Detail B.) If the wing aileron control cable is installed in the correct position of the 7461166-14 Retainer as shown, go to Step 7.
6. If the wing aileron control cable is not installed in the correct position of the 7461166-14 Retainer, do as follows:
  - A. Remove wing trailing edge access panels 513CB, 513DB, 532CB, 613CB, 613DB and 632CB. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 6, Wing Trailing Edge Access Panel - Removal/Installation.)
  - B. Remove the wing aileron control cable. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 27, Wing Aileron Control Cable - Removal/Installation.)
  - C. Remove the wing aileron control cable from the 7461166-14 Retainer.
  - D. Do an inspection of the wing aileron control cable and sector for any damage.
    - (1) Make sure there is no damage to the aileron sector cable radius.
      - (a) If the damage to the aileron sector cable radius is less than 0.020 inch (0.508 mm) deep, repair per Citation Standard Practices Manual, Chapter 20, Control Cables, Pressure Seals and Pulleys - Maintenance Practices.
      - (b) If the damage to the aileron sector cable radius is more than 0.020 inch (0.508 mm) deep, contact Team Longitude, Email: Team700@txtav.com.
  - E. (Refer to Figure 1, Detail B.) Install the wing aileron control cable in the slot on the retainer recess and pull the ball end into the 7461166-14 Retainer.

- F. Install the wing aileron control cable. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 27, Wing Aileron Control Cable - Removal/Installation.)
  - G. Do the Cabin/Wing Aileron Control Cables Rigging. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 27, Aileron Control System - Adjustment/Test.)
  - H. Do the Aileron Control Surface and Trim Travel Check. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 27, Aileron Control System - Adjustment/Test.)
  - I. Do the Control Wheel Friction and Feel Spring Check. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 27, Control Wheel Assembly - Adjustment/Test.)
  - J. Install wing trailing edge access panels 513CB, 513DB, 532CB, 613CB, 613DB and 632CB. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 6, Wing Trailing Edge Access Panel - Removal/Installation.)
7. Install wing trailing edge access panels 532AT and 632AT. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 6, Wing Trailing Edge Access Panel - Removal/Installation.)
  8. Close the main landing gear inboard doors. (Refer to the Cessna Model 700, Maintenance Manual, Chapter 32, Landing Gear Extension and Retraction - Maintenance Practices.)
  9. Remove the maintenance warning tags and connect the airplane batteries.
  10. 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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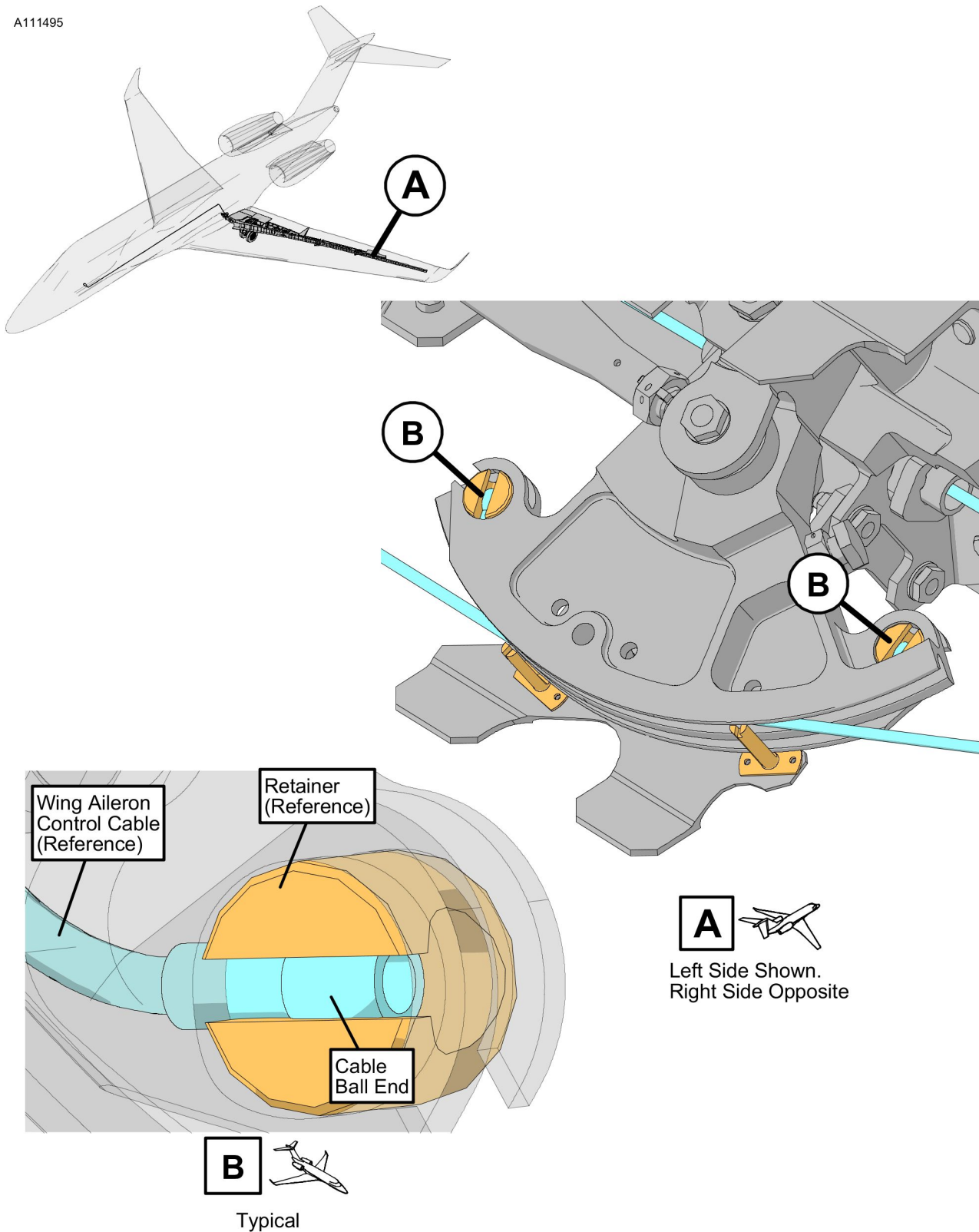


Figure 1. Wing Aileron Control Cable Inspection (Sheet 1)

7460150-1

**MANDATORY**

**SL700-27-02**

**MATERIAL INFORMATION**

No parts are required to complete this service document.



**TITLE**

FLIGHT CONTROLS - INSPECTION OF THE LEFT AND RIGHT WING AILERON CONTROL CABLE INSTALLATION

**TO:**

Cessna Model 700 Aircraft Owner

**REASON**

To inspect the position of the left and right wing aileron control cable installation in the retainer.

**COMPLIANCE**

MANDATORY. This service document must be accomplished within 6 months from the date of receipt or 400 Flight Hours, whichever occurs first.

**LABOR HOURS****WORK PHASE****LABOR-HOURS**

Modification

8.0 (4.0 Left, 4.0 Right only if installed incorrectly)

Inspection

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 Cessna 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 W3 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:** June 30, 2023 (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.