

TITLE

PNEUMATIC - INSPECTION OF THE TAILCONE BLEED AIR SENSING ELEMENT FOR INTERFERENCE WITH THE LADDER RETAINER DOOR

EFFECTIVITY**MODEL**

700 (Citation Longitude)

SERIAL NUMBERS

-0001 thru -0035

The equivalent of this service document has been incorporated on production airplanes -0036 and On.

REASON

To examine the tailcone bleed air sensing element for interference with the ladder retainer when in the open position.

DESCRIPTION

This service document provides instructions to examine and correct interference with the tailcone bleed air sensing element, if needed.

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

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

TOOLING

No specialized tooling is required to complete this service document.

November 24, 2020

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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 tailcone access door. (Refer to Cessna Model 700 Maintenance Manual, Chapter 6, Dimensions and Areas - Description and Operation.)
3. (Refer to Figure 1, View A-A.) Examine the tailcone bleed air sensing element for interference with the ladder retainer as follows:
 - A. Open ladder retainer.

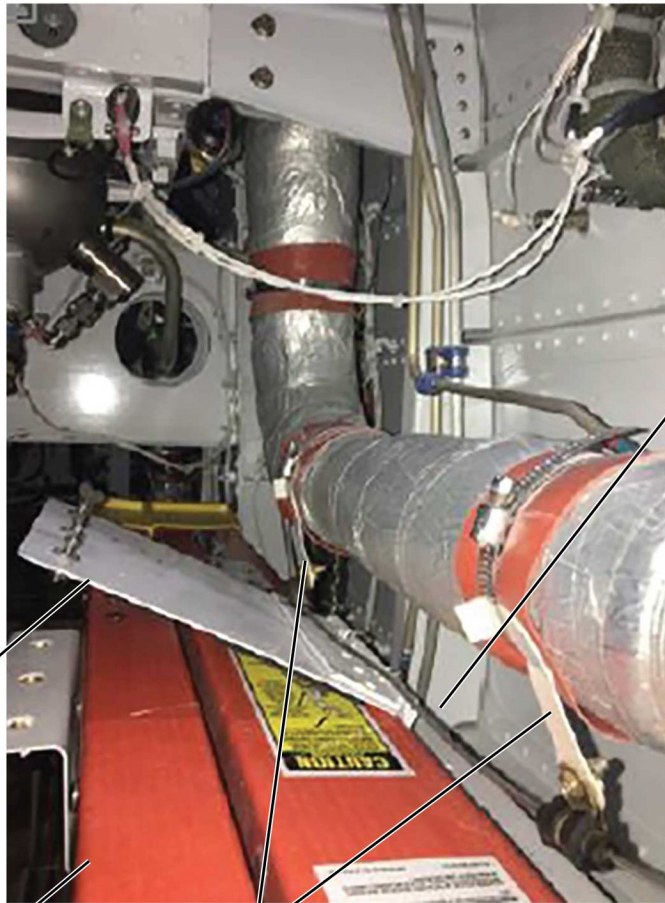
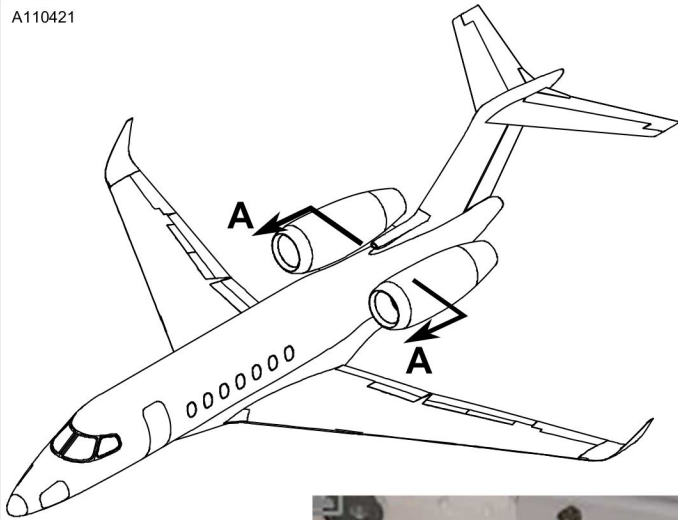
NOTE: The ladder retainer is spring loaded and will not sit even to the surrounding aircraft structure.
 - B. Measure the clearance between the tailcone bleed air sensing element and the ladder retainer.
 - (1) Make sure the clearance measures 0.250 to 0.500 inches (6.35 to 12.70 mm) between the sensing element, ladder retainer and aircraft structure.
 - (a) If the bleed air sensing element has the necessary 0.250 to 0.500 inches (6.35 to 12.70 mm) of clearance, go to Step 3.C.
 - (b) If the bleed air sensing element does not have the necessary 0.250 to 0.500 inches (6.35 to 12.70 mm) of clearance, do the steps that follow:
 - 1 Loosen the two hose clamps that attach the clip assemblies and sensing element to the to the bleed air lines sufficiently to allow the clip assembly and sensing element to move.
 - 2 Turn the hose clamps, clip assemblies and sensing element inboard until a clearance of 0.250 to 0.500 inches (6.35 to 12.70 mm) exists between the ladder retainer, sensing element and aircraft structure.
 - 3 Tighten the two hose clamps that attach the clip assemblies and sensing element to the to the bleed air lines. (Refer to Citation Standard Practices Manual, Chapter 20, Torque Data - Maintenance Practices.)
 - C. Close the ladder retainer.
4. Close the tailcone access door. (Refer to Cessna Model 700 Maintenance Manual, Chapter 6, Dimensions and Areas - Description and Operation.)
5. Remove the maintenance warning tags and connect the airplane batteries.

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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35649-2-255 Sensing Element (Reference)

7412636-21 Ladder Retainer (Reference)

Ladder (Reference)

Clip Assembly (Reference)



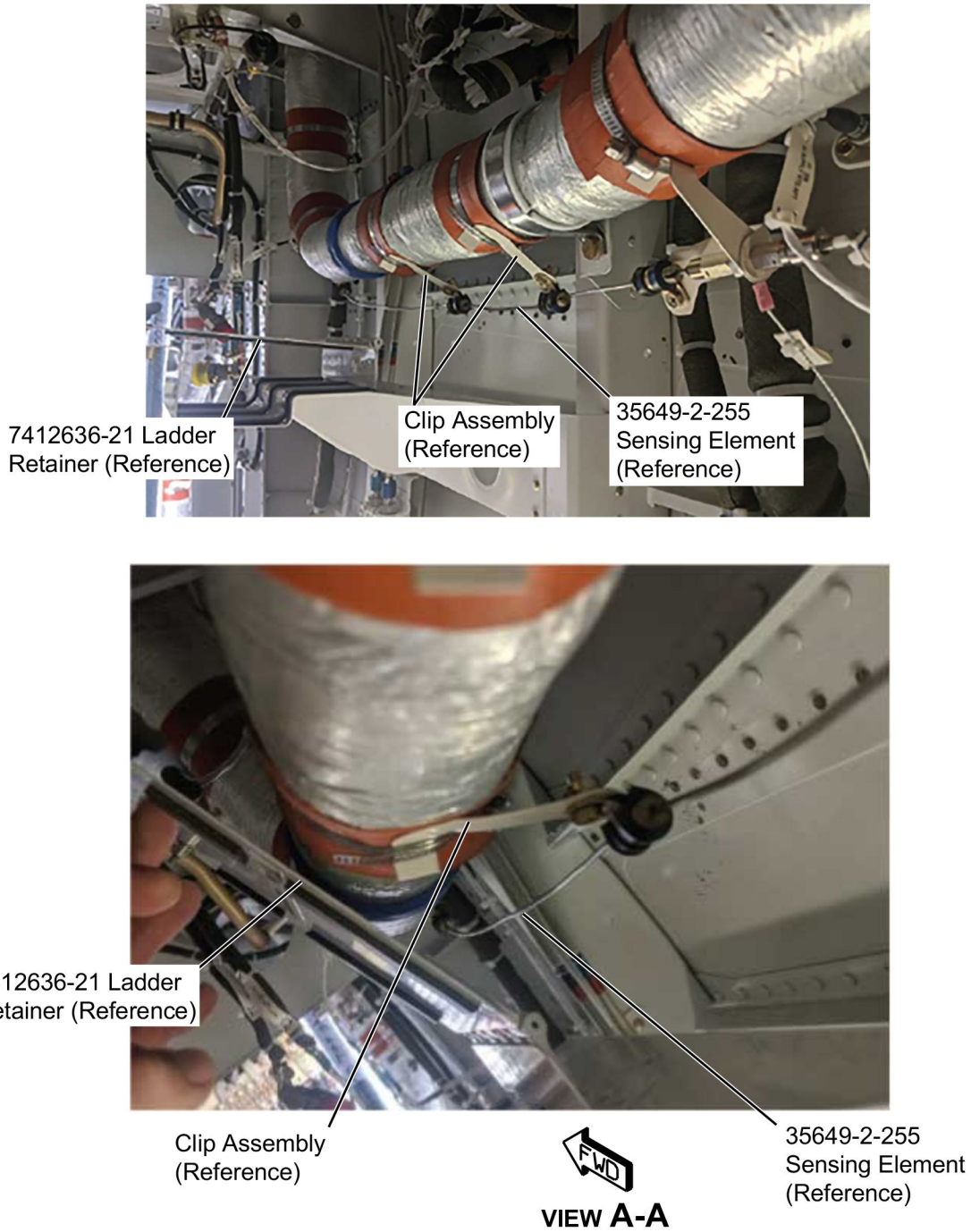
VIEW A-A

View Looking Forward With Sensing Element Interference

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Figure 1. Tailcone Sensing Element Clearance Between the Retainer Door and Aircraft Structure (Sheet 1)

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NOTE: Make sure there is a clearance of 0.250 to 0.500 inches between the sensing element and the Ladder Retainer and Aircraft Structure.

Figure 1. Tailcone Sensing Element Clearance Between the Retainer Door and Aircraft Structure (Sheet 2)

MATERIAL INFORMATION

No parts are required to complete this service document.

TITLE

PNEUMATIC - INSPECTION OF THE TAILCONE BLEED AIR SENSING ELEMENT FOR INTERFERENCE WITH THE LADDER RETAINER DOOR

TO:

Cessna Model 700 Aircraft Owner

REASON

To examine the tailcone bleed air sensing element for interference with the ladder retainer when in the open position.

COMPLIANCE

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

LABOR HOURS**WORK PHASE**

Modification

LABOR-HOURS

0.50

MATERIAL AVAILABILITY

No parts are required to complete this service document.

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.

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 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 30, 2022 (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.

