

TITLE

ENGINE FUEL AND CONTROL - 6956100-85 FUEL TUBE ASSEMBLY REPLACEMENT

EFFECTIVITY**MODEL**

680A (Citation Latitude)

SERIAL NUMBERS

-0139 thru -0229

The equivalent of this service document has been incorporated on production airplanes -0230 and On.

REASON

The AS1792V16N Nut, a component of the 6956100-85 Tube Assembly, was found to be corroded. The assembly was not stress relieved properly. Failure to comply with this service document may result in a fuel leak.

DESCRIPTION

This service document provides parts and instructions to replace the 6956100-85 Tube Assembly.

COMPLIANCE

MANDATORY. This service document must be accomplished within 800 flight hours or two years, 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.

REFERENCES

Cessna Model 680A Maintenance Manual
Citation Standard Practice Manual

August 27, 2020

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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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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 batteries.
 - 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. Replace the 6956100-85 Tube Assembly as follows:
 - A. Remove the fuel line as follows:
 - (1) Remove the left lower engine cowling. (Refer to Model 680A Maintenance Manual, Chapter 71, Engine Cowling - Maintenance Practices.)
 - (2) Put a metal container below the tube assembly to collect any fuel that may drain from the fuel line.

CAUTION: The tube assembly can have residual fuel inside. Fuel can leak out of the tube assembly when the tube assembly fittings are loosed and the tube is moved.
 - (3) (Refer to Figure 1.) Disconnect the 6956100-85 Tube Assembly from the firewall fuel line union at the pylon. (Refer to Model 680A, Maintenance Manual, Chapter 71, Engine - Removal/Installation.)
 - (4) Put caps or plugs on the open ends of the fuel lines.
 - (5) (Refer to Figure 1.) Disconnect the 6956100-85 Tube Assembly from the lower hose assembly. (Refer to Model 680A Maintenance Manual, Chapter 71, Engine - Removal/Installation.)
 - (6) Put caps or plugs on the lower end of the open the fuel lines.
 - (7) Discard the old fuel line.
 - B. Install the Fuel Line as follows:
 - (1) Put the 6956100-85 Tube Assembly in position on the airplane.
 - (2) Remove the caps or plugs from the fuel line hose assembly and the firewall union at the pylon.
 - (3) Remove the protective caps or plugs from the new 6956100-85 Tube Assembly.
 - (4) (Refer to Figure 1.) Connect the 6956100-85 Tube Assembly to the firewall fuel line union at the pylon. (Refer to Model 680A Maintenance Manual, Chapter 71, Engine - Removal/Installation.)
 - (5) (Refer to Figure 1.) Connect the 6956100-85 Tube Assembly to the fuel line hose assembly at the lower end. (Refer to Model 680A Maintenance Manual, Chapter 71, Engine - Removal/Installation.)
 - (6) (Refer to Figure 1.) Torque 6956100-85 Tube Assembly to the firewall fuel line union at the pylon. (Refer to Citation Standard Practices Manual, Chapter 20, Tubing, Hose and Fittings - Maintenance Practices.)

- (7) (Refer to Figure 1.) Torque 6956100-85 Tube Assembly to the fuel line hose assembly at the lower end. (Refer to Citation Standard Practices Manual, Chapter 20, Tubing, Hose and Fittings - Practices.)
- C. Do the post maintenance checks as follows:
 - (1) Remove the maintenance warning tags from the battery and external power receptacle.
 - (2) Connect the airplane battery.
 - (3) Prepare the aircraft for an engine run.
 - (4) Do an engine run on the left engine. (Refer to Cessna Model 680A Approved Airplane Flight Manual - Normal Procedures.)
 - (5) Stop the left engine. (Refer to the Model 680A Approved Airplane Flight Manual- Normal Procedures.)
 - (6) Check the 6956100-85 Tube Assembly for leaks.
 - (7) Install the left lower engine cowling. (Refer to Model 680A Maintenance Manual, Chapter 71, Engine Cowling - Maintenance Practices.)
3. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

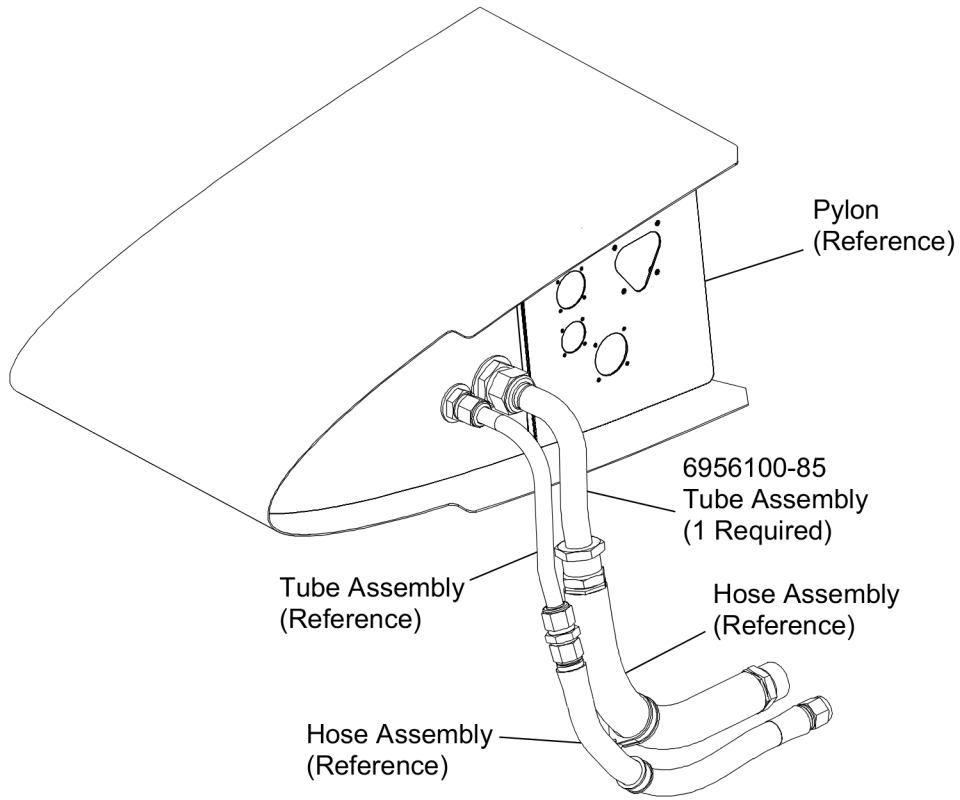
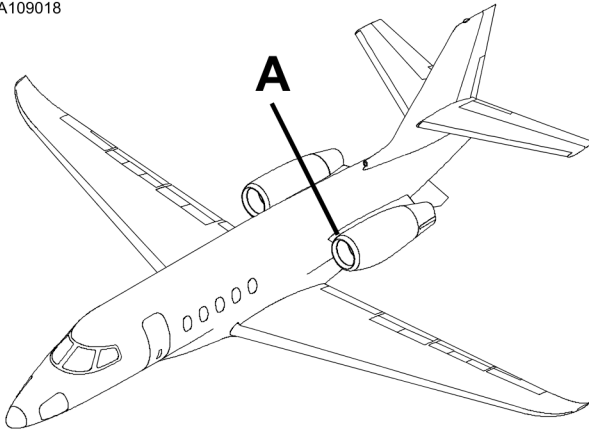
NOTE: Textron Aviation recommends that compliance with all service documents is reported to a maintenance tracking system provider.

- 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.

MANDATORY

SL680A-73-01

A109018



DETAIL A

Figure 1. 6956100-85 Tube Assembly (Sheet 1)

7410T1002
A7450T1001

MANDATORY**SL680A-73-01****MATERIAL INFORMATION**

Order the kit/parts below to install this modification.

NEW P/N	QUAN- TITY	OLD P/N	INSTRUCTIONS/ DISPOSITION
6956100-85	1	6956100-85	Discard

Please contact Textron Aviation Parts Distribution 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). Send email to: parts@txtav.com.

Based on availability and lead times, parts may require advanced scheduling.

TITLE

ENGINE FUEL AND CONTROL - 6956100-85 FUEL TUBE ASSEMBLY REPLACEMENT

TO:

Cessna Model 680A Aircraft Owner

REASON

The AS1792V16N Nut, a component of the 6956100-85 Tube Assembly, was found to be corroded. The assembly was not stress relieved properly. Failure to comply with this service document may result in a fuel leak.

COMPLIANCE

MANDATORY. This service document must be accomplished within 800 flight hours from the date of receipt.

LABOR HOURS

WORK PHASE	LABOR-HOURS
Modification	2
Test and Inspection	0.5

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
6956100-85	*	*

* Please contact Textron Aviation Parts Distribution 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). Send email to: parts@txtav.com.

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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.

August 26, 2020

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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 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 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 31, 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.