

TITLE

ELECTRICAL POWER - GROUND BOLT TORQUE INSPECTION

EFFECTIVITY

MODEL	SERIAL NUMBERS
525C (CJ4)	-0310 thru -0321

The equivalent of this service document has been incorporated on production airplanes -0322 and On.

REASON

The AN6-10A Bolt may have been under torqued at the 8718604-4 Bus Bar.

DESCRIPTION

This service letter provides instructions to inspect for proper torque and correct 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 materials that follow, or their equivalent, to complete this service document.

NAME	NUMBER	MANUFACTURER	USE
Sealant	U544067S	Textron Aviation Parts Distribution 7121 Southwest Boulevard Wichita, KS 67215	To filet seal the fasteners.

May 18, 2021

SL525C-24-08
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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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TOOLING

NAME	NUMBER	MANUFACTURER	USE
Micro-ohmmeter	Keithley Model 580 or equivalent	Commercially Available	To check the electrical bond between parts.

REFERENCES

Cessna Model 525C 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 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. Open the battery access panel. (Refer to the Model 525C Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
3. Remove access panel 163FL to access the MS21045L6 Nut. (Refer to the Model 525C Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
4. (Refer to Figure 1, Sheet 1.) Locate Battery Bus Bar Ground GYDS07.
 - A. Remove and clean the sealant off the AN6-10A Bolt and MS21045L6 Nut. (Refer to the Citation Standard Practice Manual, Chapter 20, General Solvents/Cleaners - Maintenance Practices.)
 - B. Disconnect the 8718604-4 Battery Ground Bus Bar and keep the hardware.
 - C. Inspect and clean the bonding surfaces of the bus bar and frame per Method A. (Refer to the Model 525C Maintenance Manual, Chapter 20, Electrical Bonding - Maintenance Practices.)
 - D. Install the 8718604-4 Battery Ground Bus Bar with the kept hardware.
 - E. Torque the hardware to 160 to 190 inch pounds.
 - F. Do a type XII electrical bond check between the battery ground bus bar and the airplane structure. (Refer to the Citation Standard Practice Manual, Chapter 20, Electrical Bonding and Grounding - Maintenance Practices.)
 - G. Apply a fillet seal of U544067S Sealant on the AN6-10A Bolt, MS21045L6 Nut and on the edge of the bus bar. (Refer to the Citation Standard Practice Manual, Chapter 20, Fuel, Weather, Pressure and High-Temperature Sealing - Maintenance Practices.)
 - H. Apply brush coat of U544067S Sealant on the AN6-10A Bolt, MS21045L6 Nut and on the edge of the bus bar. (Refer to the Citation Standard Practice Manual, Chapter 20, Fuel, Weather, Pressure and High-Temperature Sealing - Maintenance Practices.)
5. Close the battery access panel. (Refer to the Model 525C Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)

6. Install access panel 163FL. (Refer to the Model 525C Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
7. Remove the maintenance warning tags and connect the airplane battery.
8. 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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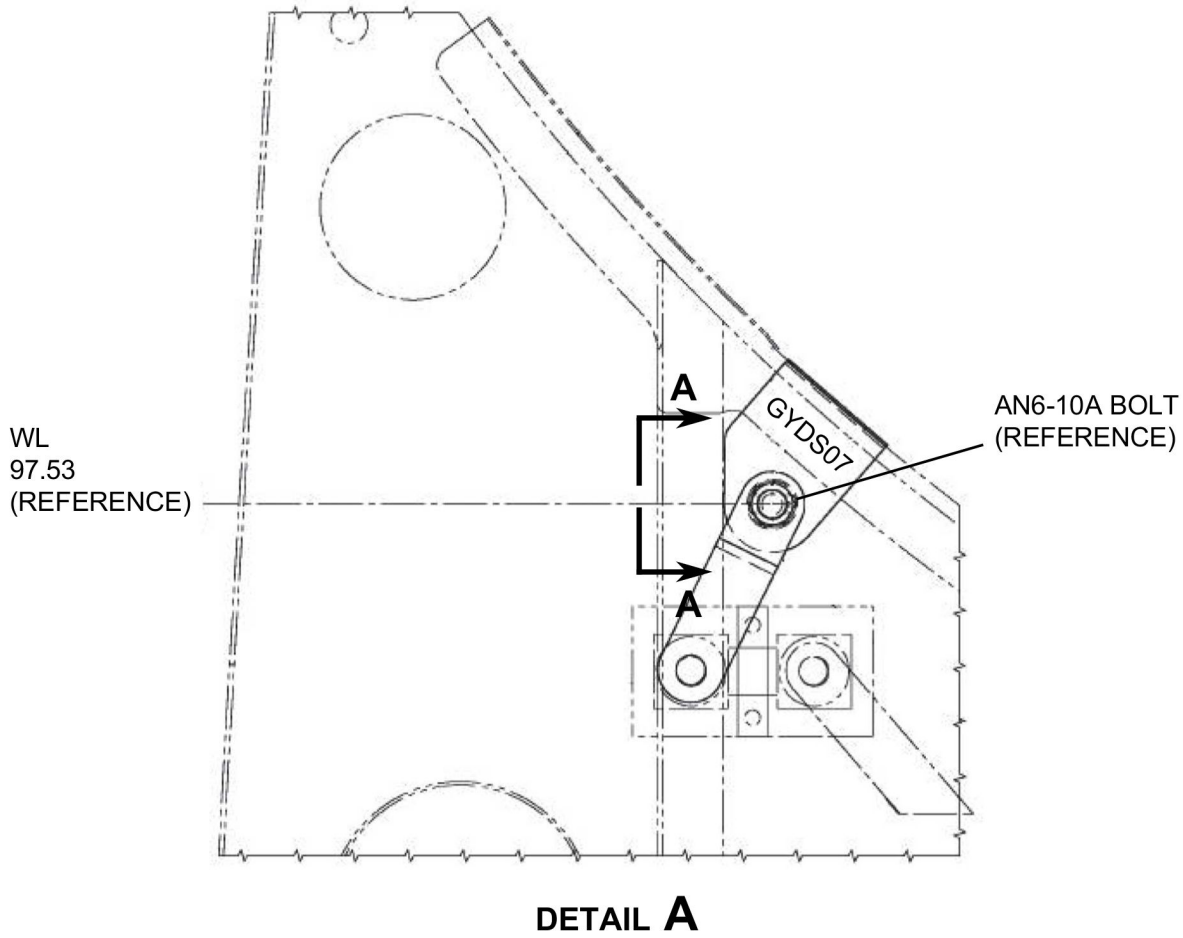
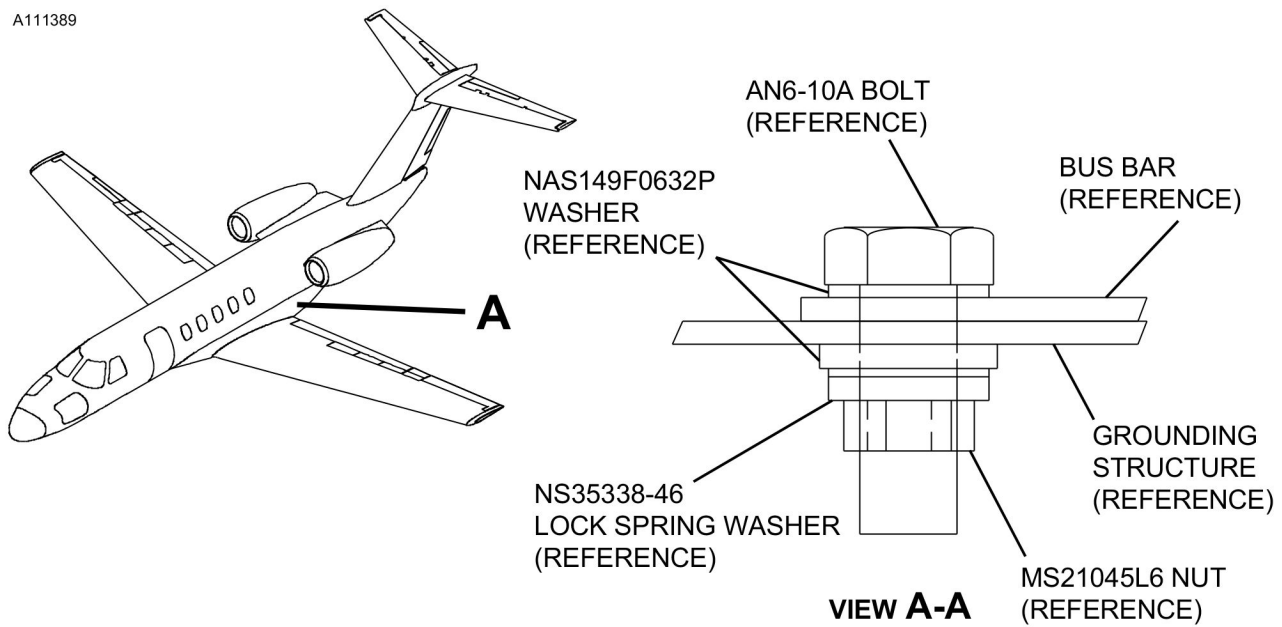


Figure 1. Battery Ground Bus Bar (Sheet 1)

MATERIAL INFORMATION

No parts are required to complete this service document.

TITLE

ELECTRICAL POWER - GROUND BOLT TORQUE INSPECTION

TO:

Cessna Model 525C Aircraft Owner

REASON

The AN6-10A Bolt may have been under torqued at the 8718604-4 Bus Bar.

COMPLIANCE

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

LABOR HOURS

WORK PHASE	LABOR-HOURS
Modification	2.5

MATERIAL AVAILABILITY

No parts are required to complete this service document.

WARRANTYThis 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: May 18, 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 to register.