

TITLE

NAVIGATION - NAV ANTENNA REPLACEMENT

EFFECTIVITY

MODEL	SERIAL NUMBERS
525A (CJ2)	-0001 thru -0244

REASON

To replace the 22-37-14 NAV antenna with the VT10-767-3 NAV Antenna Kit due to obsolescence.

DESCRIPTION

This service bulletin provides parts and instructions to remove the obsolete 22-37-14 NAV Antennas and replace with the VT10-767-3 NAV Antenna Kit.

COMPLIANCE

OPTIONAL. This service bulletin can be accomplished at the discretion of the owner.

A service bulletin 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 bulletin, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service bulletin 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 bulletin only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service bulletin only to aircraft serial numbers identified in the *Effectivity* section of the bulletin.
- 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 bulletin, service letter, 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.

APPROVAL

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

FLIGHT CREW OPERATIONS

No Changes

CONSUMABLE MATERIAL

You must use the consumable materials that follow, or their equivalent, to complete this service document.

September 25, 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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NAME	NUMBER	MANUFACTURER	USE
Color Chemical Film Treatment	U074093 (Alodine 1132 Touch n Prep)	Textron Aviation Parts Distribution 7121 Southwest Boulevard Wichita, KS 67215	To prepare the antennas for electrical bonding.

TOOLING

No specialized tooling is required to complete this service document.

WEIGHT AND BALANCE INFORMATION

Negligible

REFERENCES

Cessna Model 525A Maintenance Manual

Citation Standard Practices Manual

PUBLICATIONS AFFECTED

Cessna Model 525A Illustrated Parts Catalog

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 battery.
 - (2) Disconnect external electrical power.
 - 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. Remove and discard the current NAV 1 and NAV 2 Antennas. (Refer to the Model 525A Maintenance Manual, Chapter 34, KN-53 VHF Navigation System - Maintenance Practices.)
 - A. Discard the gaskets.
 - B. Discard the coax cables that attach to the antenna coupler and the NAV 1 and NAV 2 Antennas.
 - C. Keep the screws.
3. Remove and discard the antenna coupler and attaching hardware. (Refer to the Model 525A Maintenance Manual, Chapter 34, KN-53 VHF Navigation System - Maintenance Practices.)
4. (Refer to Figure 1, Detail A.) Install the new VT10-767-3 NAV Antenna Kit.

NOTE: The VT10-767-3 NAV Antenna Kit contains two VT11-767-3 NAV Antennas, two GSK10-767 Gaskets, two 16007-2 Coax Cables and one DRC20-35-5 Coupler.

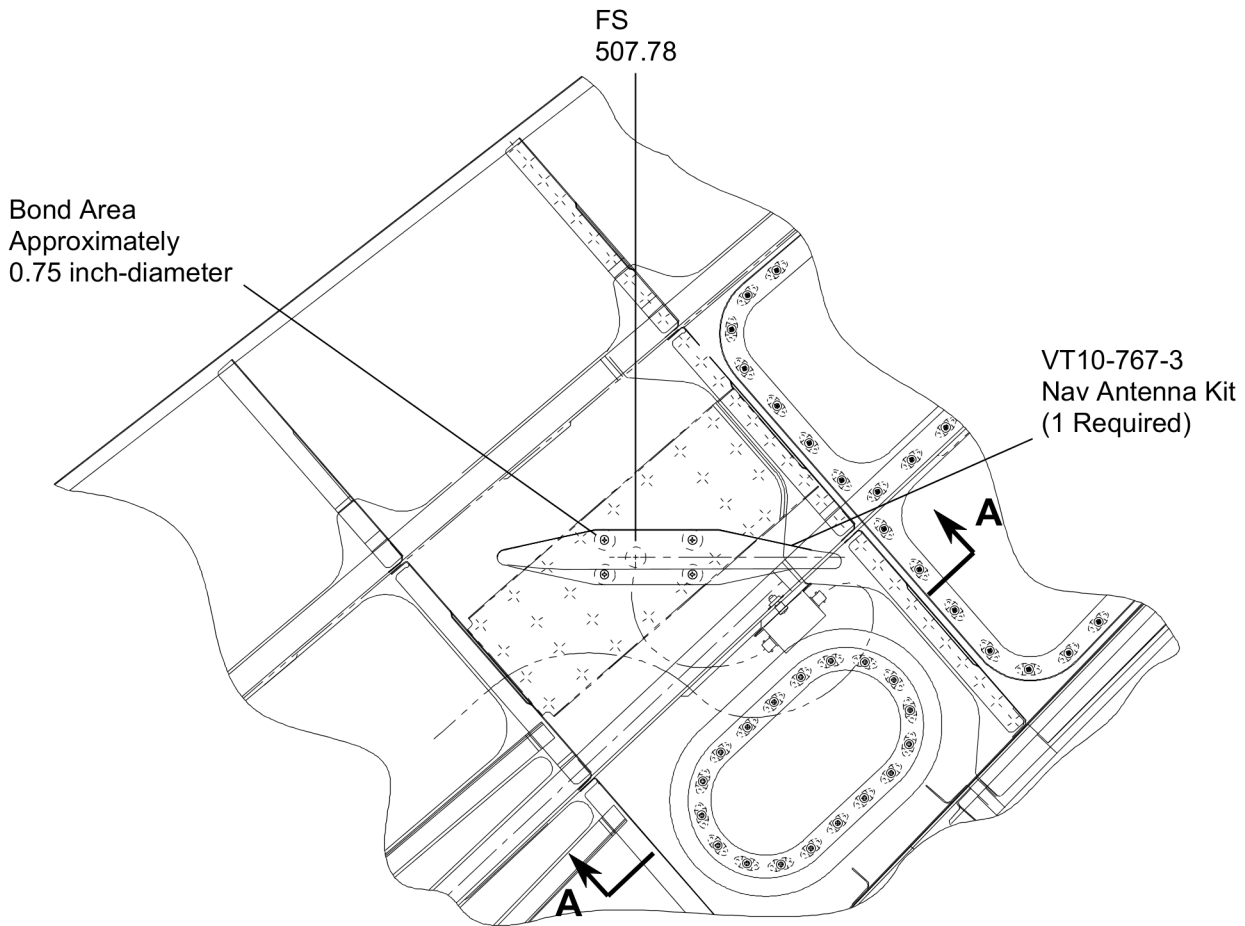
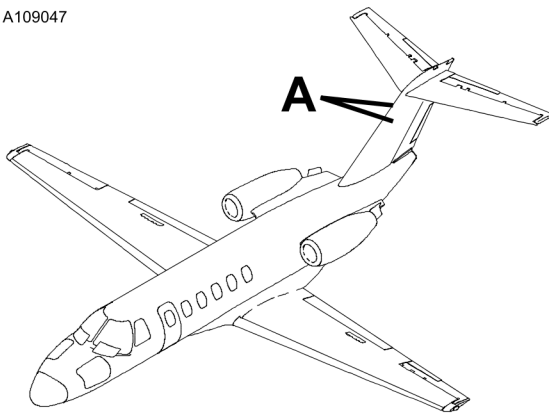
- A. Install the VT11-767-3 NAV 1 and NAV 2 Antennas and GSK10-767 Gaskets with the kept screws. (Refer to the Model 525A Maintenance Manual, Chapter 34, KN-53 VHF Navigation System - Maintenance Practices.)
- B. Make sure the screws have a Type I Electrical Bond. (Refer to the Citation Standard Practices Manual, Chapter 20, Electrical Bonding - Maintenance Practices.)

5. (Refer to Figure 1, View A-A, Detail A and View B-B.) Install the DRC20-35-5 Antenna Coupler. (Refer to the Model 525A Maintenance Manual, Chapter 34, KN-53 VHF Navigation System - Maintenance Practices.)
 - A. Install the new 16007-2 Coax Cables on the DRC20-35-5 Antenna Coupler and the VT11-767-3 NAV Antennas.
 - B. Re-connect the coax cables to the antenna coupler that route from the UG492D/U Adapters at the aft pressure bulkhead.
 - C. Install the inboard and outboard ends of the MS25083-2AB5 Bond Jumpers with two NAS43HT3-26 Spacers and MS27039-1-13 Screws.
 - D. Install the forward and aft ends of the MS25083-2AB5 Bond Jumpers with two MS35206-228 Screws and MS21042-06 Nuts.
 - E. Make sure the bond jumpers have a Type I Electrical Bond. (Refer to the Citation Standard Practices Manual, Chapter 20, Electrical Bonding - Maintenance Practices.)
6. Remove the maintenance warning tags and connect the airplane battery.
7. Do the VHF NAV Receiver Operational Check. (Refer to the Model 525A Maintenance Manual, Chapter 34, KN-53 VHF Navigation System - Adjustment/Test.)
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.

A109047

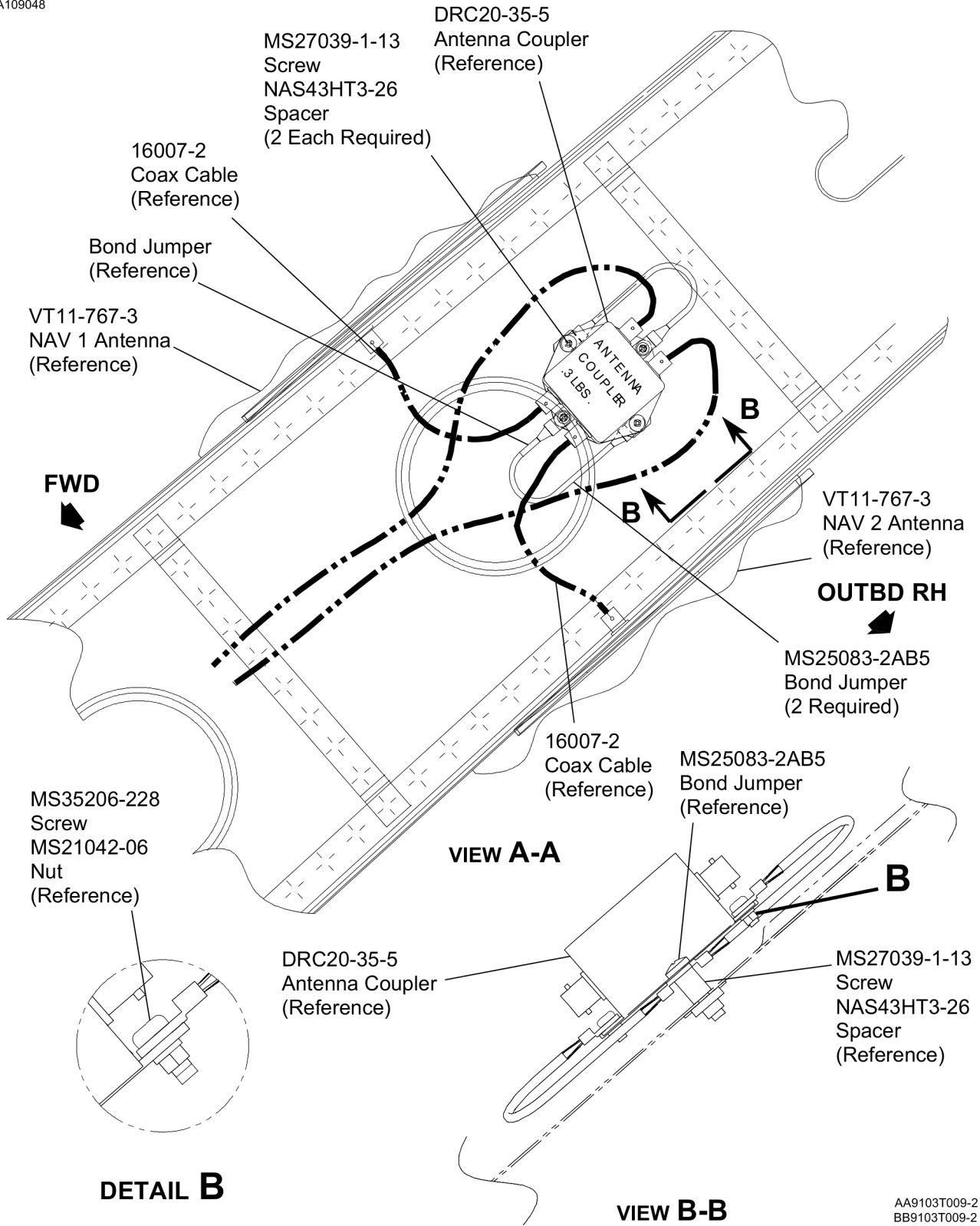


DETAIL A

Figure 1. NAV Antenna Removal/Installation (Sheet 1)

6310T1036
A9103T009-2

A109048



AA9103T009-2
BB9103T009-2
B9103T009-2

Figure 1. NAV Antenna Removal/Installation (Sheet 2)

MATERIAL INFORMATION

Order the kit below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
SB525A-34-44	1	Kit , consisting of the following parts:		
VT10-767-3	1	NAV Antenna Kit	22-37-14	Discard
MS27039-1-13	2	Screw	MS27039-1-07	Discard
MS21042-06	2	Nut	Same	Discard
MS25083-2AB5	2	Bond Jumper	None	Install
NAS43HT3-26	2	Spacer	None	Install
SB525A-34-44	1	Instructions		

TITLE

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TO:

Cessna Citation 525A (CJ2) Owner

REASON

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COMPLIANCE

OPTIONAL. This service document can be accomplished at the discretion of the owner.

LABOR HOURS**WORK PHASE**

Modification

LABOR-HOURS

As Required

MATERIAL AVAILABILITY**PART NUMBER**

SB525A-34-44

AVAILABILITY

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COST

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* 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.

WARRANTY

None

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.

