

**TITLE**

NAVIGATION - REACTIVE WINDSHEAR INSTALLATION

**EFFECTIVITY**

MODEL	SERIAL NUMBERS
525B (CJ3+)	-0451 thru -0609

**NOTE:** Airplanes -0451 thru -0609 must perform SB525B-34-32, Navigation - Garmin Software Update To Version 4.8.11.

**NOTE:** Textron Aviation-owned or Textron Aviation-authorized Service Centers are the only facilities that can complete this service document.

**REASON**

To install the Reactive Windshear option.

**DESCRIPTION**

This service bulletin provides parts and instructions to install the Reactive Windshear option.

**COMPLIANCE**

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

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.

**APPROVAL**

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

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**FLIGHT CREW OPERATIONS**

No Changes

**CONSUMABLE MATERIAL**

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

**TOOLING**

No specialized tooling is required to complete this service document.

**WEIGHT AND BALANCE INFORMATION**

Negligible

**REFERENCES**

Cessna Model 525B Maintenance Manual

**PUBLICATIONS AFFECTED**

Cessna Model 525B Maintenance Manual

**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. (Refer to Figure 1.) Install two S3105-8 Resistors.

**NOTE:** Install the resistor modification within six inches of the PT407 connector.

  - A. Disengage the ENGINE INTER 1 (left GEA 71H/71C) circuit breaker on the left circuit breaker panel in the cockpit.
  - B. Remove aft baggage compartment panel 322BT to get access to the engine airframe interface unit.
  - C. Remove the PT407 Electrical Connector from the airframe interface unit.
  - D. Install two S3105-8 Resistors in the PT407 Electrical Connector using six inches of M81044/12-22-9 Electrical Wire, one M39029/22-191 Contact, one M81714/65-22-1 and one M81824/1-1 Splice.

**NOTE:** It is permissible to trim excess wire from the S3105-8 Resistors.
  - E. Install the PT407 Electrical Connector in the engine airframe interface unit.
  - F. Engage the ENGINE INTER 1 (left GEA 71H/71C) circuit breaker on the left circuit breaker panel in the cockpit
3. The 010-00330-CC Windshear Unlock Card must be available before the software is installed.
4. Remove the maintenance warning tags and connect the airplane battery.

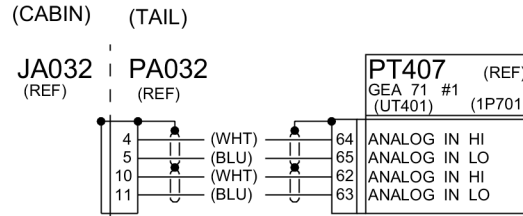
**NOTE:** The G3000 avionics system may lock up if external electrical power is removed during software loading. Connecting the battery is suggested to reduce the risk of locking up the G3000 avionics system if external power is interrupted.

5. Do the Airplane Options Installation procedures. (Refer to the Model 525B Maintenance Manual, Chapter 34, Garmin G3000 Integrated Avionics System - Adjustment/Test (Airplanes with Software Version 4.8 or later).)
6. Install aft baggage compartment panel 322BT. (Refer to the Model 525B Maintenance Manual, Chapter 6, Access Plates and Panels Identification - Description and Operation.)
7. Do the Angle of Attack (AOA) Windshear Calibration. (Refer to the Model 525B Maintenance Manual, Chapter 34, Safe Flight Angle-Of-Attack System - Adjustment/Test.)
8. Remove the maintenance warning tags and connect the airplane battery.
9. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

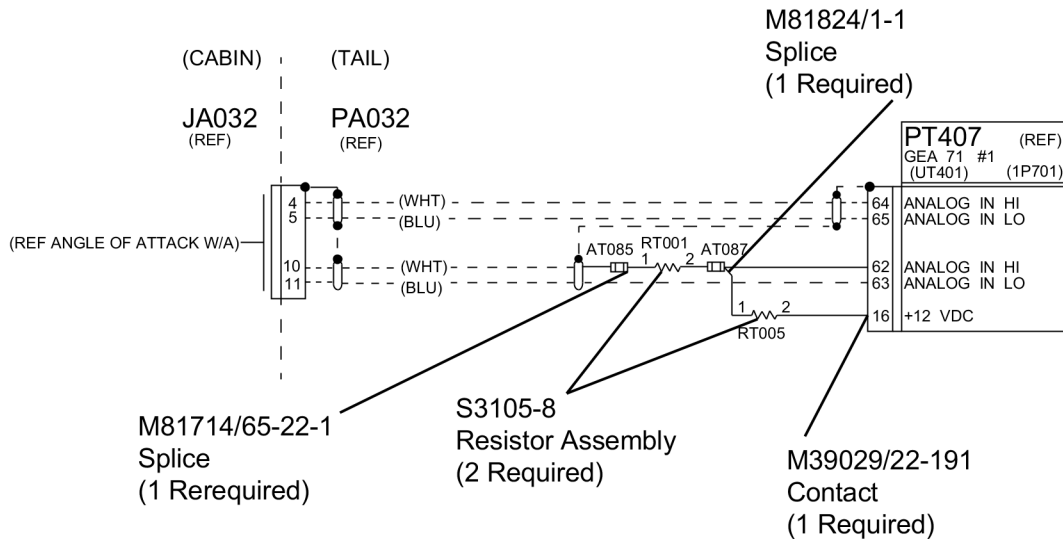
**NOTE:** Textron Aviation recommends that compliance with all service documents is reported to a maintenance tracking system provider.

- 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.

A110397



Before Modification



Airplanes Equipped with the Windshear Option

After Modification

Legend	
-----	Existing Wire
—————	New Wire

6390357

Figure 1. Resistor Installation (Sheet 1)

**MATERIAL INFORMATION**

Order the kit/parts below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
<b>SB525B-34-38</b>	1	<b>Kit</b> , consisting of the following parts:		
M81044/12-22-9	6 inches	Electrical Wire	None	
M39029/22-191	1	Splice	None	
M81824/1-1	1	Splice	None	
M81714/65-22-1	1	Splice	None	
S3105-8	2	Resistor Assembly	None	
SB525B-34-38	1	Instructions		

In addition to the SB525B-34-38 Kit, order the part that follows to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
010-00330-CC	1	Windshear Unlock Card	None	

\*Please contact your Regional Textron Aviation Parts Distribution Customer Support Team for current cost and availability of parts listed in this service document. For more information, please visit the TAPD Support & Aftermarket Account Management website at <https://ww2.txtav.com/Parts/Promos/TAPD>.

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



**TITLE**

NAVIGATION - REACTIVE WINDSHEAR INSTALLATION

**TO:**

Cessna Citation CJ3+ Owner

**REASON**

To update the reactive windshear option.

**COMPLIANCE**

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

**LABOR HOURS**

For planning purposes only:

**WORK PHASE**

Modification

**LABOR-HOURS**

As Required

**MATERIAL AVAILABILITY**

PART NUMBER	AVAILABILITY	COST
SB525B-34-38	*	*
010-00330-CC	*	*

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

**WARRANTY**

None

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