

TITLE

NAVIGATION - REACTIVE WINDSHEAR INSTALLATION

EFFECTIVITY**MODEL**

525 (M2)

SERIAL NUMBERS

-0800 and On

NOTE: Airplanes -0800 thru -1047 must perform SB525-34-97 Navigation - Garmin Software Update To Version 4.8.11 prior to or in conjunction with this service bulletin.

NOTE: Airplanes -1048 and On are equipped with next generation hardware from the factory and will be eligible to install this service bulletin.

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 on the airplane.

DESCRIPTION

This service bulletin provides 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.

March 26, 2021

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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 525 (0685 and 0800 and On) Maintenance Manual

PUBLICATIONS AFFECTED

Cessna Model 525 (0685 and 0800 and On) 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 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. (Airplanes -0800 thru -1047) (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 321CB 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 batteries.

NOTE: The G3000 avionics system may lock up if external electrical power is removed during software loading. Connecting the batteries 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 525 (-0685 and -0800 and On) 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 321CB. (Refer to the Model 525 (0685 and 0800 and On) 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 525 (-0685 and -0800 and On) 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.

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
SB525-34-105	1	Kit , consisting of the following parts:		
M81044/12-22-9	6 inches	Electrical Wire	None	
M39029/22-191	1	Contact Pin	None	
M81714/65-22-1	1	Splice	None	
M81824/1-1	1	Splice	None	
S3105-8	2	Resistor Assembly	None	
SB525-34-105	1	Instructions		

In addition to the SB525-34-105 Kit, order the part that follows to complete this service bulletin.

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 M2 Owner

REASON

To install the reactive windshear option on the airplane.

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	AVAILABILITY	COST
SB525-34-105	*	*
010-00330-CC	*	*

*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.

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.

