

**TITLE**

NAVIGATION - GROUND CLUTTER SUPPRESSION (GCS) AND TURBULENCE DETECTION SYSTEM (TDS) OPTION

**EFFECTIVITY****MODEL**

525B (Citation CJ3+)

**SERIAL NUMBERS**

-0451 and On

**NOTE:** Airplanes -0451 thru -0609 must perform SB525B-34-32, Navigation - Garmin Software Update To Version 4.8.11 or SB525B-34-40, Garmin Hardware and Software Update To Version 4.8.9 prior to or in conjunction with this service bulletin.

**NOTE:** Airplanes -0610 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 ground clutter suppression and turbulence detection system option on the airplane.

**DESCRIPTION**

This service document provides parts and instructions to install the ground clutter suppression and turbulence detection system 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.

February 26, 2021

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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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**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**

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. The 010-00330-DE Turbulence Detection Enable Card must be available before the software is installed.
2. Connect external electrical power to the airplane.

**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.

3. 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).)
4. Remove external electrical power from the airplane.
5. 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.

**MATERIAL INFORMATION**

Order the kit/parts below to install this modification.

<b>NEW P/N</b>	<b>QUAN- TITY</b>	<b>KEY WORD</b>	<b>OLD P/N</b>	<b>INSTRUCTIONS/ DISPOSITION</b>
010-00330-DE	1	Turbulence Detection Enable 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 - GROUND CLUTTER SUPPRESSION (GCS) AND TURBULENCE DETECTION SYSTEM (TDS) OPTION

**TO:**

Cessna Citation CJ3+ Owner

**REASON**

To install the ground clutter suppression and turbulence detection system 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**

010-00330-DE

**AVAILABILITY**

\*

**COST**

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**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](http://www.txtavsupport.com) to register.

