

## REVISION TRANSMITTAL

This sheet transmits Revision 1 to SB525-34-99, which:

- A. Adds that SB525-34-107 *Navigation - Garmin Hardware and Software Update to Version 4.8.9* must be performed prior to or in conjunction with this service bulletin to the NOTE in the EFFECTIVITY section.
- B. Adds Step 4 to make sure the Turbulence Detection and Ground Clutter Suppression option is installed.

**NOTE:** This revision replaces the original issue of SB525-34-99 in its entirety.

### REVISION COMPLIANCE

NO EFFECT. Airplanes previously modified are not affected by this revision.

### LOG OF REVISIONS

Original Issue	March 26, 2021
Revision 1	August 25, 2021



**TITLE**

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

**EFFECTIVITY****MODEL**

525 (Citation 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* or SB525-34-107 *Navigation - Garmin Hardware and Software Update to Version 4.8.9* 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 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.

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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 525 (0685 and 0800 and On) Maintenance Manual

**PUBLICATIONS AFFECTED**

Cessna Model 525 (0685 and 0800 and On) 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 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).)
4. Do a check to make sure the Turbulence Detection and Ground Clutter Suppression option is installed.
  - A. From the Home screen of either GTC select the Weather button.
  - B. Select the Weather Selection button.
  - C. Select the WEATHER RADAR SETTINGS button.
  - D. Make sure the Turbulence Detection and GND Clutter Suppression buttons are displayed.
5. Remove external electrical power from the airplane.
6. 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		

\* Please contact your Regional Textron Aviation Parts Distribution Customer Support Team 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).

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 M2 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	LABOR-HOURS
Modification	As Required

**MATERIAL AVAILABILITY**

PART NUMBER	AVAILABILITY	COST
010-00330-DE	*	*

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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.

