

**TITLE**

EQUIPMENT/FURNISHINGS - GARMIN FLIGHT STREAM 510 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 Flight Stream 510 option on the airplane.

**DESCRIPTION**

This service document provides parts and instructions to install the Flight Stream 510 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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SB525-25-35  
Page 1 of 4

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This service bulletin has not been EASA approved.

#### 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 011-03595-05 FS510 SD 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. Activate the Flight Stream 510 option.
  - A. The FS510 option is loaded from the Garmin V4.8 Base Software Card.  
**NOTE:** The Garmin V4.8 Base Software Card is loose equipment and is included in the SB525-34-97 Service Bulletin.
  - B. 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. Install the FS510 SD Card in the bottom slot of the MFD.
5. Update the FS510 Software.
  - A. The following must be compatible to install this service bulletin:
    - (1) The FS510 part numbers 006-B2021-4X are compatible with associated firmware 2.4X.
    - (2) When updating the FS510 software, the "X" character of the firmware version should match the part number of the installed FS510 card, which can be viewed via the GTC AVIONICS STATUS PAGE.
  - B. The following is required to complete this service bulletin:
    - (1) A compatible portable apple device.
    - (2) An active Garmin pilot account with an active dealer mode subscription.  
**NOTE:** To activate DEALER MODE, contact Garmin Aviation Support @ (888) 606-5482 and request access to Update Flight Stream 510 as a Garmin dealer.
    - (3) Garmin Pilot App, IOS version 8.4 or later.
    - (4) A Wi-Fi internet connection for the portable device.

## C. Download the updates.

- (1) Make sure the portable device is connected to the Wi-Fi for internet.
- (2) Open the Garmin Pilot App.
- (3) From the HOME MENU, select settings.
- (4) Select SUBSCRIPTIONS from the MENU on the left side of the page and make sure DEALER MODE is displayed as an active subscription.
- (5) From the HOME MENU, select CONNEXT.
- (6) Do Step 4.A to select the firmware from the menu on the left side of the page.
  - (a) The FS510 part numbers 006-B2021-4X are compatible with associated firmware 2.4X.
  - (b) When updating the FS510 software, the "X" character of the firmware version should match the part number of the installed FS510 card, which can be viewed via the GTC AVIONICS STATUS PAGE.
- (7) Make sure the required firmware version has been downloaded and ready for installation.
- (8) If necessary, select RE-DOWNLOAD ALL FIRMWARE at the bottom of the page.

## D. Install the updates.

**NOTE:** Do not power off the airplane or eject the FS510 card while performing the updates.

- (1) Use the portable device to connect the Flight Stream 510 via Bluetooth.
- (2) Open the Garmin Pilot App.
- (3) From the HOME MENU, select settings.
- (4) Select SUBSCRIPTIONS from the MENU on the left side of the page and make sure DEALER MODE is displayed as an active subscription.
- (5) From the HOME MENU, select CONNEXT.
- (6) Select SUBSCRIPTIONS from the MENU on the left side of the page and make sure DEALER MODE is displayed as an active subscription.
- (7) From the HOME MENU, select CONNEXT.
- (8) Select FIRMWARE from the menu on the left side of the page.
- (9) Select the blue upload arrow in the same row as the appropriate firmware version to be updated.

**NOTE:** If necessary, do Step 4.C to download the firmware.

- (10) Select UPDATE OVER WI-FI to enable the Flight Stream 510 Wi-Fi network.
- (11) Connect the portable device to the Flight Stream 510 Wi-Fi network.

**NOTE:** The FS510 Wi-Fi password can be found on the CONNEXT SETUP PAGE (UTILITIES\SETUP\WIRELESS SETUP\CONNEXT SETUP\WIFI)

- (12) Select CONTINUE on the RELEASE NOTES pop-up screen.
- (13) Select BEGIN FIRMWARE UPDATE.
- (14) The Flight Stream 510 will reboot after the firmware update is complete.
- (15) Connect to the Flight Stream 510 via Bluetooth or Wi-Fi and make sure the updated firmware version is displayed in the Garmin pilot app.

## 6. Do the FS510 Flight Stream Infotainment Functional Test. (Refer to the Model 525 (-0685 and -0800 and On) Maintenance Manual, Chapter 25, FS510 Infotainment - Adjustment/Test.)

7. 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).)
8. Remove external electrical power from the airplane.
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.

#### MATERIAL INFORMATION

Order the kit/parts below to install this modification.

NEW P/N	QUAN-TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
011-03595-05	1	FS510 SD 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**

EQUIPMENT/FURNISHINGS - GARMIN FLIGHT STREAM 510 INSTALLATION

**TO:**

Cessna Citation M2 Owner

**REASON**

To install the Flight Stream 510 option on the airplane.

**COMPLIANCE**

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

**LABOR HOURS**

For planning purposes only:

WORK PHASE	LABOR-HOURS
Modification	As Required

**MATERIAL AVAILABILITY**

No part are required to complete this service document.

PART NUMBER	AVAILABILITY	COST
011-03595-05	*	*

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

