

# Revision Transmittal

February 08, 2022

TO: Cessna Distributors, Single Engine Authorized Service Facilities, and CPC's

SUBJECT: Service Bulletin CAB09-11 Revision 1, Garmin G1000 Avionics Chartview Option

## REASON FOR REVISION

Update EFFECTIVITY section

Minor editorial changes throughout the document.

Deletes the OWNER NOTIFICATION from the document.

## REQUIRED ACTION

Please replace any copy of CAB09-11 with the attached copy of CAB09-11 Revision 1, which is printed in its entirety.

## LOG OF EFFECTIVE PAGES

Page No.	Date
1	February 08, 2022
2	February 08, 2022
3	February 08, 2022
4	February 08, 2022
5	October 20, 2009
6	February 08, 2022
7	February 08, 2022

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## Service Bulletin

February 08, 2022

CAB09-11  
Revision 1

### TITLE

GARMIN G1000 AVIONICS CHARTVIEW OPTION

### EFFECTIVITY

The following airplanes equipped with the Garmin G1000 Avionics System:

<u>Model</u>	<u>Serial Numbers</u>
208	20800416, 20800500 thru 20800600
208B	208B1190, 208B1216, 208B2000 thru 208B2196, 208B2198 thru 208B5400

### PURPOSE

To provide a configuration upgrade and enabling instructions for the optional Garmin G1000 ChartView, by Jeppesen Sanderson, Inc. ChartView has the ability to provide worldwide and regionalized electronic Jeppesen charts that depict the airplane position on a chart shown on the Multi-Function Display. ChartView requires an enablement card and a sustaining G1000 Electronic Chart Database Subscription that is obtained from Jeppesen and is available on an annual subscription basis.

### COMPLIANCE

Optional: may be accomplished if desired.

### APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

### MAN-HOURS

Approximately 1.6 man-hours

Original Issue: October 20, 2009

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To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

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www.cessnasupport.com

## MATERIAL

The part below is available from Textron Aviation Customer Service at Telephone: 1-800-835-4000 (Domestic) or 1-316-517-5603 (International) or Email: [parts@txtav.com](mailto:parts@txtav.com).

**NOTE:** Orders should be placed by **completing and returning the attached** ChartView Order Form.

<u>Part Number</u>	<u>Description</u>	<u>Qty/Airplane</u>
010-00330-50	ChartView Enablement Card (Jeppesen Subscription <b>not</b> included)	1 (as required)

## ACCOMPLISHMENT INSTRUCTIONS

### Change In Weight And Balance

Negligible

### Material Information

The parts below will be necessary:

**NOTE:** Jeppesen G1000 Chart Service Database Subscription is only available from Jeppesen Sanderson, Inc. Contact Jeppesen at 1-866-498-0213 or [www.jeppesen.com](http://www.jeppesen.com) to set up your subscription prior to scheduling this Service Bulletin.

<u>New P/N</u>	<u>Quantity</u>	<u>Description</u>	<u>Old P/N</u>	<u>Disposition</u>
010-00330-50	1	ChartView Enablement Card (Jeppesen Subscription <b>not</b> included)	None	None
Various	1	Jeppesen G1000 Chart Service Database Subscription		

The equipment below, or equivalent, will be necessary.

<u>NAME</u>	<u>NUMBER</u>	<u>MANUFACTURER</u>	<u>USE</u>
PC Computer		Commercially Available	To get access to the Internet and to transfer files
SD Card Reader		Commercially Available	To transfer files from the personal computer to the SD card

\*Please contact Textron Aviation Parts Distribution 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). Send email to: [parts@txtav.com](mailto:parts@txtav.com). Based on availability and lead times, parts may require advanced scheduling.

**NOTE:** (For airplanes 20800500 thru 20800517 and airplanes 208B1190, 208B1216, and 208B2000 thru 208B2151 that have 010-00330-42 GDU Supplemental Database SD Cards installed) Installation of Cessna Service Bulletin CAB09-7 Garmin G1000 Synthetic Vision Installation will replace the 010-00330-42 GDU Supplemental Database SD Cards (GDU SD Cards) with new 010-00330-43 GDU SD Cards. The G1000 Electronic Chart Service Database that is required for ChartView functionality is loaded onto the GDU SD Card for the MFD. The Chart Service Database is revised every 14 days and

can only be downloaded once during the 14 days. Therefore, when you replace the 010-00330-42 GDU SD Card with the new 010-00330-43 GDU SD Card, the ChartView functionality will not be available until a new G1000 Electronic Chart Service Database update can be loaded onto the GDU SD Card for the MFD. If you intend to install CAB09-7, it is recommended that you install CAB09-7 first and then install this Service Bulletin (CAB09-11) after the installation of CAB09-7 to make sure that the ChartView functionality is not lost.

**NOTE:** If 010-00330-42 GDU SD cards are to be retained for use with Chartview and Synthetic Vision is not being installed, make sure the available storage capacity of the SD card is at least 2048 MB. If the available capacity of the SD card is smaller than 2048 MB, then Chartview may be loaded on a blank 2GB SD card and inserted in the free MFD SD card slot.

**NOTE:** A Jeppesen G1000 Chart Service Database Subscription must be purchased from Jeppesen before you begin these installation instructions. Contact Jeppesen at 1-800-621-5377 or [www.jeppesen.com](http://www.jeppesen.com) to activate your subscription.

1. Connect external electrical power to the airplane.
  - A. For airplanes that will install ChartView for the first time, go to Step 2.
  - B. For airplanes that have previously installed ChartView and need to install it again, go to Step 6.

2. Find and record the SYSTEM ID NUMBER.

**NOTE:** It is necessary to record the SYSTEM ID NUMBER to enter the information on the enablement form.

- A. Make sure that all of the necessary circuit breakers are pushed in for normal mode startup of the G1000 System.
  - B. Make sure that the EXTERNAL POWER switch is set to BUS and the AVIONICS 1 and 2 switches are set to ON.
  - C. Turn the large FMS knob on the MFD to go to the AUX page.
  - D. Turn the small FMS knob to go to the AUX-SYSTEM STATUS page.
  - E. Find the AIRFRAME display box in the upper right corner of the screen and record the SYSTEM ID NUMBER.
  - F. Put the EXTERNAL POWER switch and the AVIONICS 1 and 2 switches to the OFF position.
3. On your computer, connect to the internet as needed.
  4. Make sure you have the Jeppesen Distribution Manager (JDM) program on your computer to update the G1000 Electronic Chart Service Database Subscription. If you do not have the JDM program on your computer, go to Step 5. If you do have the JDM program on your computer, go to Step 6.

5. Install the Jeppesen Distribution Manager (JDM) program on your computer as follows:
  - A. If you do not have the JeppView Program CD that is provided with the purchase of the G1000 Chart Service Database Subscription, you must download the Jeppesen Distribution Manager (JDM) to your computer.
  - B. Go to Step 6.
6. Do the ChartView configuration upload to the GDU Supplemental Database SD Card from the MFD as follows:

**NOTE:** A user ID and a password are necessary to download the updates. The user ID and the password are provided by Jeppesen when you order the G1000 Chart Service Database subscription.

- A. Remove the GDU Supplemental Database SD Card from the bottom slot of the MFD.

**CAUTION:** Only do the ChartView configuration upload to the MFD SD card. If you upload the ChartView configuration to the PFD1 SD Card or the PFD2 SD Card, you may cause the system to not function correctly.

- B. Insert the GDU Supplemental Database SD Card that you removed from the MFD into the SD card reader of the computer.
- C. Click the Jeppesen Distribution Manager icon that was installed on your computer to start the update for the Garmin G1000 electronic chart service.
- D. Log in with the user ID and password from your G1000 Chart Service Database Subscription provided by Jeppesen.
- E. From the list of services, select G1000 ELECTRONIC CHART SERVICE and click START.
- F. Select the SD card reader that has the GDU Supplemental Database SD Card (from the MFD) installed and click the CONTINUE button.
- G. The update to the GDU Supplemental Database SD Card will begin. Monitor the update.

**NOTE:** The initial download is approximately 30 minutes in length, and subsequent updates take approximately 10 minutes.

- H. Remove the GDU Supplemental Database SD Card from the SD Card reader when the update is completed.
- I. Insert the GDU Supplemental Database SD Card into the bottom slot of the MFD.

**NOTE:** You must do Step 6 again every 14 days to update the Chartview configuration upload to the GDU Supplemental Database SD Card of the MFD. No further action is necessary if you only need to update the Garmin G1000 Electronic Chart Services Information on the GDU Supplemental Database SD Card of the MFD.

7. Do the ChartView configuration upload to the Garmin G1000 Avionics system as follows:

- A. Make sure that the EXTERNAL POWER and the AVIONICS 1 and 2 switches are in the OFF position to remove power from the system.

**CAUTION:** Remove and label the GDU Supplemental Database SD cards from the primary flight displays (PFD) during the ChartView configuration upload to the Garmin G1000 Avionics system. If you do not, the SD cards can be damaged during the upload and you may not be able to use them again.

- B. Remove and label the GDU Supplemental Database SD Cards from the PFD1, PFD2, and MFD displays.
- C. Keep the cards in a safe place for later installation.
- D. Disengage the PFD1, PFD2, and MFD circuit breakers.
- E. Put the EXTERNAL POWER switch to BUS and the AVIONICS 1 and 2 switches to the ON position.
- F. Push and hold the ENT key on the PFD2 while you engage the PFD2 circuit breaker.
- G. Release the ENT key when the message **INITIALIZING SYSTEM** shows on the PFD2.
- H. Push and hold the ENT key on the MFD while you engage the MFD circuit breaker.
- I. Release the ENT key when the message **INITIALIZING SYSTEM** shows on the MFD.
- J. Insert the 010-00330-50 ChartView Enablement Card in the top slot of the PFD1.
- K. Push and hold the ENT key on the PFD1 while you engage the PFD1 circuit breaker.

- L. Release the ENT key when the message **INITIALIZING SYSTEM** shows on the PFD1.
  - M. Turn the large FMS knob on the PFD1 to go to the SYSTEM group and then turn the small FMS knob to go to the SYSTEM UPLOAD page.
  - N. Push the small FMS knob on the PFD1 to start the cursor.
  - O. Turn the small FMS knob to highlight CONFIGURATION FILES in the AIRFRAME field.
  - P. Push the ENT key.
  - Q. Turn the small FMS knob to highlight ENABLE ChartView in the FILE field and push the ENT key of the PFD1.
  - R. Push the LOAD soft key.
  - S. Monitor the status of the upload.
  - T. When **PASS** shows on the PFD1, push the ENT key to acknowledge that the installation is complete.
  - U. Do Steps 7M through 7T again if the summary field shows NOT COMPLETED. Do not cancel a software upload before it successfully loads or fails. Wait until a SUCCESSFUL LOAD or FAIL shows in the summary field before you begin Steps 7M through 7T again.
 

**NOTE:** You can do Steps 7M through 7T again up to four times because of a failed or cancelled upload prompt message. If the system does not upload after the fourth attempt, correct the hardware failure and start the configuration upload again. (Refer to Garmin Line Maintenance Manual 190-00869-00 Revision C or latest revision.)
  - V. Push the UPDT CFG soft key, select YES, and then push the ENT key to update the PFD1 configuration module.
  - W. Monitor the status of the configuration module update.
  - X. When **UPDATE CONFIGURATION COMPLETE** dialog box shows on the PFD1, push the ENT key to acknowledge that the update is complete.
  - Y. Put the EXTERNAL POWER and the AVIONICS 1 and 2 switches to the OFF position to remove power from the system.
  - Z. Remove the 010-00330-50 ChartView Enablement Card from the PFD1 top slot.
  - AA. Keep the 010-00330-50 ChartView Enablement Card in the Pilot's Operating Handbook, Aircraft Software sleeve.
  - AB. Insert the GDU Supplemental Database SD Cards into the bottom slots of the PFD1, PFD2, and MFD displays.
8. Make sure that you have done the ChartView configuration upload to the Garmin G1000 Avionics system correctly as follows:
- A. Make sure that all of the necessary circuit breakers are pushed in for normal mode startup of the G1000 System.
  - B. Make sure that the EXTERNAL POWER switch is set to BUS and the AVIONICS 1 and 2 switches are set to ON.
  - C. Let the system power on in normal mode.
  - D. On the MFD start up (splash) screen, find the Jeppesen ChartView section on the right side of the screen.
  - E. Make sure that the Expires date shown on the right side of the screen is later than today's date.
  - F. Put the EXTERNAL POWER and the AVIONICS 1 and 2 switches to the OFF position to remove power from the system.

- G. Remove external power from the airplane
  - 9. Make an entry in the airplane logbook that states compliance with this Service Bulletin.
- NOTE:** This information shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual.



**■ CREDIT**

Not applicable.

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# ATTACHMENT

**CARAVAN**

**MODEL 208/208B CHARTVIEW ENABLEMENT ORDER FORM**

**CAB09-11**

**PART NO.**

**DESCRIPTION**

010-00330-50

ChartView Enablement Card for Model 208/208B

Various

\*\*Jeppesen G1000 Chart Service Database Subscription

\* All orders will be charged sales tax unless a copy of your tax exemption form is included with this order.\*\* Jeppesen G1000 Chart Service Database Subscription is only available from Jeppesen Sanderson, Inc. Contact Jeppesen at 1-866-498-0213 or www.jeppesen.com. Subscription must be purchased prior to scheduling CAB09-11. ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

**THIS FORM MAY BE COMPLETED AND SUBMITTED BY A CESSNA CARAVAN OR PROPJET SERVICE STATION OR AN INDIVIDUAL AIRPLANE OWNER.** Please complete the following in its entirety:

**Order Information:**

Airplane Serial Number: \_\_\_\_\_ System ID Number (**REQUIRED**): \_\_\_\_\_

Owner/Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Shipping Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

**Payment Information:**

NOTE: If paying by credit card, please contact your bank to make sure that the authorization for the transaction amount will clear PRIOR to submitting this form.

(Circle One) VISA, MasterCard, American Express

Card Number \_\_\_\_\_

Cessna Customer Account Number: \_\_\_\_\_

Wire Transfer: Please submit order form prior to sending wire information. JP Morgan Chase Bank 1 Chase Manhattan Plaza New York, New York, 10081 USA. Account Number 910-1-209543, ABA Routing Number 0210-00021 Swift code Chasus33.

Customer Signature: \_\_\_\_\_

**By signing this order form the customer agrees that, upon shipment to the customer, this purchase is non-refundable. Customer also understands that ChartView will require compliance with a Cessna Service Bulletin and may only be installed by a Textron Aviation Authorized Service Station.**

**Fax Number: (316) 517-7271**

Cessna Aircraft Company

Dept. 751/P.O. Box 7706

Wichita, Kansas 67277-7706

Phone Number: (316) 517-5800

**SPECIAL NOTE:** Orders are shipped premium carrier within 3-5 business days. \*All orders will be charged sales tax unless a copy of your tax exemption form is included with this order.\*\* Jeppesen G1000 Chart Service Database Subscription is only available from Jeppesen Sanderson, Inc. Contact Jeppesen at 1-866-498-0213 or www.jeppesen.com. Subscription must be purchased prior to scheduling CAB09-11.



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## Owner Advisory

February 08, 2022

CAB09-11

Dear Caravan Owner:

This Owner Advisory is to inform you that CAB09-11R1 has been issued.

CAB09-11R1 provides a configuration upgrade and enabling instructions for the optional Garmin G1000 ChartView that is powered by Jeppesen Sanderson, Inc. ChartView has the ability to provide worldwide and regionalized electronic Jeppesen charts that depict the airplane position on a chart shown on the Multi-Function Display. ChartView requires an enablement card and a sustaining G1000 Electronic Chart Database Subscription that is obtained from Jeppesen and is available on an annual subscription basis. Jeppesen currently updates the ChartView database every 14 days.

Operating instructions for ChartView are provided in the Garmin G1000 Integrated Flight Deck Cockpit Reference Guide for the Cessna Caravan.

Note: Jeppesen G1000 Chart Service Database Subscription is only available from Jeppesen Sanderson, Inc. Contact Jeppesen at 1-800-621-5377 or [www.jeppesen.com](http://www.jeppesen.com). Subscription must be purchased prior to scheduling CAB09-11R1.

Compliance is Optional: may be accomplished if desired.

The information contained in the referenced Cessna Service Bulletin shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual.

Please contact a Cessna Caravan or Propjet Service Station for detailed information and arrange to have Cessna Service Bulletin CAB09-11R1 accomplished on your airplane.

