

REVISION TRANSMITTAL

This sheet transmits Revision 1 to SL525C-34-07, which:

- A. Changes the serial effectivity to apply only to airplanes equipped with 822-2189-100 GPS-4000S Global Positioning System (GPS) Units.

NOTE: This revision replaces the original issue of SL525C-34-07 in its entirety.

REVISION COMPLIANCE

NO EFFECT. Airplanes previously modified by this service letter are not effected by this revision.

LOG OF REVISIONS

Original Issue	May 13, 2020
Revision 1	May 28, 2020

TITLE

NAVIGATION - GPS-4000S GLOBAL POSITIONING SYSTEM SOFTWARE UPDATE

EFFECTIVITY**MODEL**

525C

SERIAL NUMBERS

-0001 thru -0327 equipped with 822-2189-100
GPS-4000S Global Positioning System (GPS)
Units

REASON

To correct an anomaly with the UTC Time Offset issue and the LRU not supporting Localizer Performance Vertical (LPV) approaches in the impacted region of +/- 20 degrees around 180 degrees West Longitude in the Software of the GPS-4000S, CPN 822-2189-100.

DESCRIPTION

This service document provides instructions to remove the GPS units and return for software update.

COMPLIANCE

RECOMMENDED. This service document should be accomplished at a scheduled maintenance period or inspection.

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.

REFERENCES

Cessna Model 525C Maintenance Manual

Rockwell Collins Service Information Letter GPS-4X00()-19-3 Revision No. 1 (or latest revision).

Rockwell Collins SB GPS-4X00()-34-510 Initial Release (or latest revision).

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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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PUBLICATIONS AFFECTED

None

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.
2. Remove the 822-2189-100 GPS-4000S Global Positioning System (GPS) Units GPS1 (Ref. UN701) and GPS2 (Ref. UT701). (Refer to model 525C Maintenance Manual, Chapter 34, Collins GPS-4000S Global Positioning System (GPS) Unit - Removal/Installation.)
3. Return the removed 822-2189-100 GPS-4000S Global Positioning System (GPS) Units to Textron Aviation for exchange.

NOTE: The existing 822-2189-100 GPS-4000S Global Positioning System (GPS) Unit may be returned to Textron Aviation Parts Distribution, Warranty Administration, 285 South Greenwich Road, Bldg B89, Docks 1-4, Wichita, KS 67206, USA, and exchanged for an upgraded unit. Due to limited availability, advance scheduling is required, please expedite the return of the removed part.

4. Install the 822-2189-101 GPS-4000S Global Positioning System (GPS) Units GPS1 (Ref. UN701) and GPS2 (Ref. UT701). (Refer to model 525C Maintenance Manual, Chapter 34, Collins GPS-4000S Global Positioning System (GPS) Unit - Removal/Installation.)
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 part below to install this modification.

NEW P/N	QUAN-TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
822-2189-101	2	GPS-4000S Global Positioning System	822-2189-100	Return Removed Part

The existing 822-2189-100 GPS-4000S Global Positioning System (GPS) unit may be returned to Textron Aviation Parts Distribution, Warranty Administration, 285 South Greenwich Road, Bldg B89, Docks 1-4, Wichita, KS 67206, USA, and exchanged for an upgraded unit. Due to limited availability, advance scheduling is required, please expedite the return of the removed part.

* 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.

Based on availability and lead times, parts may require advanced scheduling.

TITLE

NAVIGATION - GPS-4000S GLOBAL POSITIONING SYSTEM SOFTWARE UPDATE

TO:

Cessna Model 525C Aircraft Owner

REASON

To correct an anomaly with the UTC Time offset issue starting the week of June 11, 2023 in the Global Navigation Satellite System (GNSS) software of the GPS-4000S, CPN 822-2189-100. The LRU will not support Localizer Performance Vertical (LPV) approaches in the impacted region of +/- 20 degrees around 180 Degrees West Longitude.

COMPLIANCE

RECOMMENDED. This service document should be accomplished at a scheduled maintenance period or inspection.

LABOR HOURS

Refer to the Manpower section of the Rockwell Collins SB GPS-4X00()-34-510 Initial Release (or latest revision).

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
822-2189-101	*	*

* 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.

WARRANTY

This service document is *recommended*. Eligible airplanes may qualify for parts and labor coverage to the extent noted in the *Labor Hours* and *Material Availability* sections of this document.

Eligibility: Airplanes identified within the serial number effectivity of this service document.

Parts Coverage: Textron Aviation-owned and Textron Aviation-authorized Service Facilities, operators, or other maintenance facilities may submit a claim for the parts required to accomplish this service document as defined in the *Material Availability* section of this document.

Labor Coverage: Textron Aviation-owned and Textron Aviation-authorized Service Facilities rated to perform maintenance on the specific model of Cessna Aircraft may submit a claim for the labor necessary to accomplish this service document as defined in the *Labor Hours* section of this document.

Credit Application: After this service document has been accomplished, a claim must be submitted to Textron Aviation within 30 days of the service document completion. Claims for compliance of this service document are to be filed as a W4 type claim.

Please submit your claim form online at ww2.txtav.com/Parts or email the completed Textron Aviation Claim Form to warranty@txtav.com. If submitted on-line a Return Authorization will be provided. If a paper claim is submitted your claim will be entered into the system and a Return Authorization will be sent to you.

The Return Authorization must accompany any required return parts (see *Material Availability*), to the point of purchase.

Parts to be returned to Textron Aviation Parts Distribution should be forwarded to:

Textron Aviation Parts Distribution
Warranty Administration
285 South Greenwich Road
Bldg B89, Docks 1-4
Wichita, KS 67206
USA

Expiration: May 13, 2022 (after this date the owner/operator assumes the responsibility for compliance costs)

Textron Aviation reserves the right to void continued airplane warranty coverage for the parts affected by this service document until the service document is accomplished.

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.