

TITLE

NAVIGATION - GPS TRANSPONDER WIRING MODIFICATION

EFFECTIVITY**MODEL**

Premier 390

SERIAL NUMBERS

RB-2 thru RB-295

NOTE: This service bulletin is only applicable to airplanes that installed ADS-B Out with Beechcraft Service Bulletin SB34-4151, *Navigation - Introduction Of Automatic Dependent Surveillance - Broadcast Out (ADS-B Out) Installation Kit* prior to December 1, 2018 using the 390-3421-0001 or 390-3421-0003 kit. Revision 13 or later of the 390-3421-0001 and 390-3421-0003 kit corrects this issue.

REASON

Cap and stow wires that have no system impact and prevents some configurations from having failures.

DESCRIPTION

This service document provides parts and instructions to cap and stow wires KW-026 & KW-028.

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.

APPROVAL

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

March 4, 2019

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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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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

Beechcraft Premier 390 Maintenance Manual

PUBLICATIONS AFFECTED

Beechcraft Premier 390 Wiring Diagram Manual

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.
 - (1) Disconnect the airplane battery.
 - (2) Disconnect external electrical power.
 - D. Attach maintenance warning tags to the battery and external power receptacle that have **"DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS"** written on them.
2. Open the right forward avionics door.
3. (Refer to Figure 1.) Modify the wiring.

NOTE: It may be necessary to remove the GPS1 and GPS2 transponders if easier access to the electrical connectors is needed. (Refer to the Model Premier 390 Maintenance Manual, Chapter 34, Global Positioning System (GPS-4000A/GPS-4000S) - Removal/Installation.)

- A. Remove the KW-026 Wire from the 3452P5 Connector on the GPS1 Transponder.
 - B. Install a TC4001 Capnut on the KW-026 Wire and stow the wire. (Refer to the Model Premier 390 Maintenance Manual, Chapter 20, Electrical/Electronic Wiring - Maintenance Practices.)
 - C. Remove the KW-028 Wire from the 3452P6 Connector on the GPS2 Transponder.
 - D. Install a TC4001 Capnut on the KW-028 Wire and stow the wire. (Refer to the Model Premier 390 Maintenance Manual, Chapter 20, Electrical/Electronic Wiring - Maintenance Practices.)
 - E. Install the GPS-4000A and GPS-4000S transponders, if removed. (Refer to the Model Premier 390 Maintenance Manual, Chapter 34, Global Positioning System (GPS-4000A/GPS-4000S) - Removal/Installation.)
4. Remove the maintenance warning tags and connect the airplane battery.
 5. Do a functional test of the GPS 1 and GPS 2 Transponders. (Refer to the Premier Model 390 Maintenance Manual, Chapter 34, Global Positioning System (GPS-4000A/GPS4000S) - Adjustment/Test

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 Camp Systems International.

- 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: Camp Systems International Incorporated, 8201 East 34th Street North, Building 1100 Suite 1101 Wichita, KS 67226.

Figure 1. GPS Transponder Wiring Modification (Sheet 1)

MATERIAL INFORMATION

Order the kit/parts below to install this modification.

| NEW P/N | QUAN-TITY | KEY WORD | OLD P/N | INSTRUCTIONS/ DISPOSITION |
|--------------------|-----------|---|---------|---------------------------|
| SB390-34-01 | 1 | Kit , consisting of the following parts: | | |
| TC4001 | 2 | Capnut | | |
| SB390-34-01 | 1 | Instructions | | |

* 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 TRANSPONDER WIRING MODIFICATION

TO:

Aircraft Owner

REASON

Cap and stow wires that have no system impact and prevents some configurations from having failures.

COMPLIANCE

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

LABOR HOURS

For planning purposes only:

WORK PHASE

Modification

LABOR-HOURS

As Required

MATERIAL AVAILABILITY**PART NUMBER**

SB390-34-01

AVAILABILITY

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COST

*

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WARRANTY

None

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.

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