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*****MANDATORY*****
STC SERVICE BULLETIN
NO.: 25063 Rev A

TO: All Garmin Aviation Service Centers
DATE: September 24, 2025
SUBJECT: Servo Bond Straps
CERTIFICATION
AUTHORIZATION: AML STC SA01844WI (see Approval section for details)

PRODUCTS AFFECTED

GFC™ 600 Automatic Flight Control Systems installed in Textron Aviation Inc. (Cessna), Model 525A aircraft under STC SA01844WI, Master Drawing List Revisions 63 through 68 are affected.

PURPOSE

Pitch and yaw damp servo assemblies could be inadequately electrically bonded to the aircraft structure.

DESCRIPTION

This Service Bulletin provides instructions to install electrical bond straps in accordance with 190-01937-34, *GFC 600 INSTALL MANUAL ADDENDUM, CE525A*, Revision 5 or later.

Refer to the Master Drawing List, *GFC 600 Automatic Flight Control System, Part 23 AML STC*, 005-01009-01, Rev. 69 or later for the data necessary to incorporate the updates to this STC.

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MATERIAL INFORMATION

Table 1

Part Number	Description	Qty
AA59569F36T0375	Braid, Wire, Flat, AWG 36, Tin Coating, 0375 MILS ID	A/R
MS25036-112	Terminal, Lug, Crimp Style, Copper, Insulated, Ring Tongue, 12-10 Size, 10 Stud Size	4
	Ground Stud Assembly (Refer to 190-01937-34, Sheet 9)	3

A calibrated milliohm meter is also needed.

The STC documentation is downloadable from the Garmin Dealer Resource Center at <https://dealers.garmin.com>.

COMPLIANCE

Mandatory: Compliance with this service bulletin is mandatory at the next annual inspection.

APPROVAL

The modifications described in this service bulletin are FAA-approved in accordance with STC SA01844WI. Refer to the Master Drawing List 005-01009-01 Rev 69 or later.

DOCUMENTATION CONSIDERATIONS

There are no changes to the previously approved documents that are provided to the owner/operator for modification of the airplane with STC SA01844WI.

All documents needed for this bulletin are available at no cost in the Dealer Resource Center on the Garmin website <https://dealers.garmin.com>.

REFERENCES

Table 2

Document Title	Part Number	Revision (or later)
Master Drawing List, GFC 600 Automatic Flight Control System, Part 23 AML STC	005-01009-01	69
GFC 600 Automatic Flight Control System Part 23 AML STC Installation Manual	190-01937-00	37
GFC 600 Install Manual Addendum, CE525A	190-01937-34	5
GFC 600 Automatic Flight Control System Part 23 AML STC Maintenance Manual With Instructions for Continued Airworthiness	190-01938-00	17

All documents needed for this bulletin are available at no cost in the Dealer Resource Center on the Garmin website <https://dealers.garmin.com>.

MANPOWER

Two (2) hours labor per aircraft.

WARRANTY INFORMATION

This modification is warranty reimbursable for the manpower listed above, with a deadline of March 31, 2026. When completing the Garmin warranty claim, be sure to include the following:



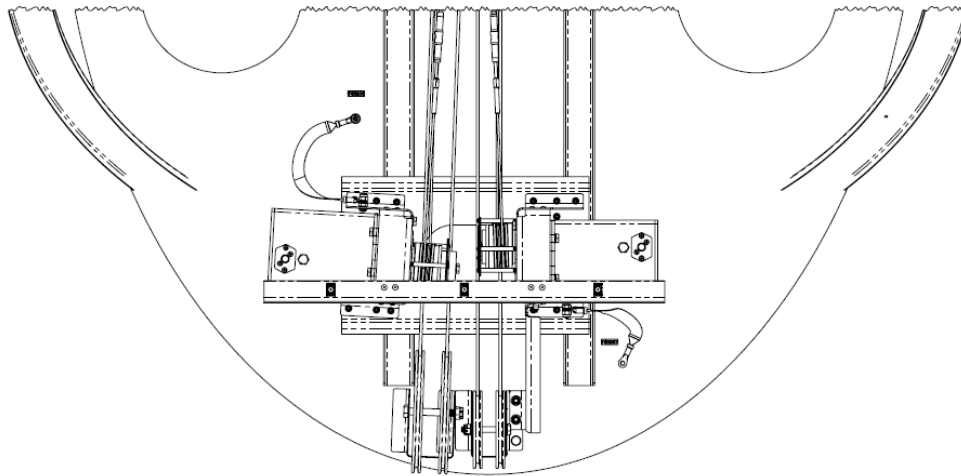
NOTE

Installations completed after July 15, 2025 are not eligible for warranty reimbursement.

- Installation Return to Service date
- GSA 80 serial numbers
- Aircraft serial number
- Aircraft registration number
- Indicate compliance with this service bulletin

MODIFICATION INSTRUCTIONS

1. Refer to Installation Manual Addendum 190-01937-34 to gain access to the pitch and yaw damp servo assemblies.
2. Install bond straps connecting the pitch and yaw damp servo assemblies to aircraft structure as instructed in 190-01937-34, Revision 5 or later.



3. Using a calibrated low resistance ohmmeter or an alternate procedure provided in Section 3.5 of Installation Manual 190-01937-00, with the servo connectors disconnected verify the electrical bond between each servo bracket assembly and aircraft structure achieves direct current (DC) resistance less than or equal to 2.5 milliohms

RETURN TO SERVICE TEST PROCEDURE

Return to service Instructions for this STC are included in Section 9 of Garmin STC Maintenance Manual 190-01938-00.