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****MANDATORY****
SERVICE BULLETIN
NO.: 22016 Rev. B

TO: GSA 28 Owners and Service Centers
DATE: May 4, 2023
SUBJECT: GSA 28 Servo Mod 1
REVISION B: Updated Modification Instructions

PRODUCTS AFFECTED

Garmin GSA 28 units listed below that were shipped between September 2021 and January 2022 are affected:

011-02927-00 serial number 2PG015462 through 2PG016170

011-02927-10/11 serial numbers 5G9017349 and 5G9019731 through 5G9021528

PURPOSE

Due to a supplier issue, there is a chance of reduced service life of one of the GSA 28 internal components resulting in servo failure. The servo failure can happen in flight with an annunciated "AP DISC" indication, or on the ground during a preflight check. In either case, the autopilot is rendered inoperable until the servo is replaced.

DESCRIPTION

This service bulletin contains instructions for incorporation of Mod 1.

COMPLIANCE

Mandatory: This Service Bulletin must be accomplished no later than February 28, 2023.

APPROVAL

Installation of Mod 1 units (p/n 011-02927-11 only) is approved by MDL 005-01264-00 Rev 69.

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REFERENCES

GFC 500 Autopilot with Electronic Stability and Protection Part 23 AML STC Maintenance Manual with Instructions for Continued Airworthiness (190-02291-01) Rev 9 or later

G3X/G3X Touch Installation Manual (190-01115-01) Rev AP or later

G5 Electronic Flight Display Installation Manual for Non-Certified Aircraft (190-02072-01) Rev 9 or later

MANPOWER

Two and a half (2.5) hours labor per affected GSA 28.



NOTE

Contact Garmin Aviation Product Support if more time is needed to access and replace an affected GSA 28.

WARRANTY INFORMATION

Exchange/modification of affected units is covered under the factory warranty. The unit must be returned to Garmin.

For Garmin dealers only, warranty labor costs to remove/install the -10 and -11 unit is reimbursable for the manpower listed above with a deadline of February 28, 2023 - after which the labor costs will no longer be reimbursable.



NOTE

Labor for removing/installing the -00 is not warranty reimbursable.



NOTE

Labor is only paid to Garmin approved dealers.

To ensure proper reimbursement when completing the warranty claim, indicate the following:

- Indicate compliance with Garmin Service Bulletin 22016
- GSA 28 unit serial number

INSTRUCTIONS

For certified installations, refer to Garmin Service Bulletin 23024 GSA 28 Service-Life Extension Program.

For non-certified installations, refer to Garmin Service Bulletin 23038 GSA 28 Service-Life Extension Program.

MATERIAL INFORMATION

N/A