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**\*\*MANDATORY\*\***  
**SERVICE BULLETIN**  
**NO.: 22013 Rev. A**

**TO:** Garmin G5 Electronic Flight Instrument Aircraft Owners and Service Centers  
**DATE:** February 8, 2022  
**SUBJECT:** G5 Backup Battery Discharge

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**PRODUCTS AFFECTED**

Garmin G5 Electronic Flight Instruments (011-03809-00) with the following serial numbers are affected:  
<https://support.garmin.com/en-US/aviation/faq/3PZHfyHuHk4mBgBhsEMZN9/>

**PURPOSE**

The affected G5s can discharge the G5 backup battery to 0% if airframe electrical power is not applied for multiple weeks.



**WARNING**

*Verification of good battery status is required before flight into IMC as described in the Airframe Flight Manual Supplement (190-01112-13). See also G5 Electronic Flight Instrument Pilot's Guide for Certified Aircraft (includes the GFC 500) (190-01112-12). See also G5 Electronic Flight Instrument Pilot's Guide for Non-Certified Aircraft (includes the GFC 500) (190-02072-00).*



**NOTE**

Garmin recommends G5 Software Version 8.00 (Garmin STC Service Bulletin 22011) that provides improved detection and indication of G5 backup battery failure.

**DESCRIPTION**

This service bulletin contains instructions to return the affected product to Garmin.

**COMPLIANCE**

**Mandatory:** This service bulletin must be complied with no later than February 28, 2023.

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## **APPROVAL**

N/A

## **REFERENCES**

Garmin G5 Electronic Flight Instruments Part 23 AML STC Installation Manual (190-01112-10) Rev 29 or later

Garmin G5 Electronic Flight Instrument Part 23 AML STC Maintenance Manual Including ICA (190-01112-11) Rev 10 or later

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

## **MANPOWER**

3.5 hours for the first G5 and 0.5 hours for each subsequent G5 in the same airframe.

## **WARRANTY INFORMATION**

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

For Garmin dealers only, warranty labor costs to remove/install the unit are reimbursable for type certificated aircraft installations with a deadline of February 28, 2023 - after which the labor costs will no longer be reimbursable.



### **NOTE**

Labor is only paid to Garmin approved dealers.

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

- Compliance with Garmin Service Bulletin 22013
- G5 serial number
- Aircraft make and model
- Registration number
- Airframe serial number

## **INSTRUCTIONS**

If a G5 is affected, contact Garmin for an RMA (Return Material Authorization).

Remove the affected G5 and install the replacement G5 per instructions provided in the appropriate document listed in the REFERENCES section. Perform the required post installation checks.

After installation and completion of the required post installation checks, make a logbook entry indicating compliance with Garmin Service Bulletin 22013.

## **MATERIAL INFORMATION**

N/A