



A Textron Company

## **INFORMATION LETTER**

**505-22-18**

7 April 2022

**TO: All owners and operators of Model 505 helicopters**

**SUBJECT: 505 GARMIN FLIGHT CONTROL (GFC) 600H PEDAL OSCILLATION  
OBSERVED UNDER GUSTY/TURBULENT AIR CONDITIONS**

This Information Letter is issued to ensure complete distribution of the attached Garmin Service Alert No: 22032 rev A GFC 600H Pedal Oscillation Observed Under Gusty / Turbulent Air Conditions.

Some 505 helicopters with the GFC 600H autopilot version V403100, and optional yaw axis installed, may exhibit pedal oscillations during certain turbulent and/or gusty wind conditions. The pedal oscillations may be exacerbated at or above 120 Knots Indicated Airspeed (KIAS).

Owners/operators of the affected models 505 are advised to follow the actions recommended in the Garmin Service Alert (attached).

For any questions regarding this letter, please contact:

Bell Product Support Engineering

Tel: 1-450-437-2862 / 1-800-363-8023 / [productsupport@bellflight.com](mailto:productsupport@bellflight.com)

or

Garmin Aviation Customer Support

Tel: 913-397-8200 / 1-866-739-5687

<http://explore.garmin.com/en-US/general-aviation/>



1200 E. 151<sup>st</sup> Street  
Olathe, KS 66062  
913-397-8200

# ***SERVICE ALERT***

**NO.: 22032 Rev A**

**TO:** Owners/Operators of Bell 505 rotorcraft with a GFC 600H  
**DATE:** March 18, 2022  
**SUBJECT:** GFC 600H Pedal Oscillation Observed Under Gusty / Turbulent Air Conditions

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## **PRODUCTS AFFECTED**

Garmin GFC 600H Helicopter Flight Control installed in the Bell 505 with the following are affected:

- GFC 600H software version v403100 installed
- Optional yaw axis installed

## **ISSUE**

Some Bell 505 installations of the GFC 600H autopilot system may exhibit pedal oscillations during certain turbulent and/or gusty wind conditions. The pedal oscillations may be exacerbated at or above 120kts KIAS.

## **ACTION**

If the condition is observed do the following:

1. PLACE FEET ON PEDALS to reduce/prevent pedal movement.
2. DISENGAGE YAW using the YAW ON/OFF switch mounted on the collective.
3. REDUCE SPEED to 100KIAS or less if continued use of yaw is desired.
4. At pilot discretion ENGAGE YAW using the YAW ON/OFF switch.

If condition persists, DISENGAGE YAW.

## **RESOLUTION**

This issue will be corrected in an update to GFC 600H STC SR01961WI.

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