 FLIGHT DESIGN <small>LIFT AIR®</small>	<h2>Safety Alert</h2>
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Safety Alert

Automatic Trim controlled by Garmin G3X Touch and G5 Systems SA-ASTM-F2-01

Repeating Symbols:

Please pay attention to the following symbols throughout this document emphasizing particular information.

- ▲ **Warning:** Identifies an instruction, which if not followed may cause serious injury or even death.
- **Caution:** Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of warranty.
- **Note:** Information useful for better handling.

1 Planning Information

1.1 Affected Aircraft

Type: F2
 Model: F2-LSA
 Serial Number: all S/N up to S/N T-21-02-01 (inclusive)
 Applicable Countries: Not limited

1.2 Concurrent Documents

[1] Garmin Service Bulletin No.22112, latest issue
 available as download here: <https://support.garmin.com/en-US/?faq=mZ0hr9x5wt2jpnoOGQ43a7>

1.3 Reason


According to information provided in Garmin Service Bulletin: In G3X, G3X Touch, and G5 systems with GSA 28 autopilot servos connected to trim actuators, an un-commanded automatic trim runaway may occur when the autopilot is first engaged.

- ▲ **Warning:** Engagement of the autopilot with this condition may result in an un-commanded deviation from the intended or desired flight path.

The G3X Touch display may intermittently reset during flight.

1.4 Subject

Temporary deactivation of autopilot and software update on Garmin GDU470 (G3X Touch screen) and Garmin G5 (backup EFIS) as per Garmin service bulletin [1].

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1.5 Compliance

Compliance must be shown prior to next flight.

▲ Warning: Non-compliance with these instructions could result in further damages, personal injuries or death.

1.6 Approval

This SA is approved by the aircraft manufacturer i.a.w. ASTM F3198 for conduct on aircraft as defined in 1.1. Subsequent to complete and correct conduct of this SA the aircraft will still meet the requirements of the applicable ASTM design and performance specification.

1.7 Type of Maintenance

Line

1.8 Personnel Qualifications

National maintenance and inspection regulations as applicable for line maintenance apply.

1.9 Release to Service

Conduct of this SA must be logged in the aircraft log book with date and signature of the responsible Person according to national regulations.

1.10 Weight and Balance

Not applicable.

1.11 References

Drawings:


- none -

Documents:

- [1] Garmin Service Bulletin No.22112, latest issue
available as download here: <https://support.garmin.com/en-US/?faq=mZ0hr9x5wt2jpnoOGQ43a7>
- [2] Garmin G3X/G3X Touch Installation Manual (190-01115-01) Revision AQ or later
- [3] G5 Electronic Flight Display Installation Manual for Non-Certified Aircraft (190-02072-01) Revision 10 or later

1.12 Superseded Documents

- none -

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1.13 Contact Details

For further information on conduct of this SA, or to report any Safety of Flight or Service Difficulty issues contact your Distributor responsible for your country. Your Distributor can be located via the Flight Design general aviation website: www.flightdesign.com under "Dealer Location".

In cases where the local distributor is not known or available contact Flight Design general aviation GmbH directly: customer.care@flightdesign.com

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1.14 Disclaimer

This Safety Alert has been generated with utmost care. Nevertheless, errors and misunderstandings can never be fully excluded. In case of any doubts the applicant of this Safety Alert is requested to contact Flight Design immediately to clarify the issue.

2 Resources

Refer to [1].

2.1 Workshop Conditions

Dry and clean hangar is preferred.

2.2 Parts

Refer [1].

2.3 Materials


Refer [1].

2.4 Tools

Refer [1].

2.5 Special Tools

- none -

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2.6 Manpower

Refer [1].

2.7 Cost

Not applicable

3 Instructions

Temporarily deactivate autopilot by pulling its CB. Once software is updated as per [1], autopilot may be re-activated.

3.1 General

Please note that the software levels 9.12 for the GDU470 and 8.16 for the G5 mentioned in revision A of the Garmin service bulletin are not available. Please use 9.13 or higher for GDU470 and 8.17 or higher for G5 instead as outlined in revision B of the service bulletin.

3.2 Documentation

Conduct of this SA must be logged in the aircraft log book with date and signature of the responsible Person conducting the SA. National regulations have to be considered.

4 Appendix

4.1 Changes to Previous Revision

Original Issue – no changes

4.2 Feedback Template

No specific feedback required.