 FLIGHT DESIGN <small>LIFT AIR®</small>	<h1>Service Bulletin</h1>
Flight Design general aviation GmbH Am Flugplatz 3, D-99820 Hörselberg Hainich, Airfield Eisenach-Kindel	SB-ASTM-F2-99 Revision 02
Web: www.flightdesign.com ; Phone: +49 36920 7530-10 E-mail: airworthiness@flightdesign.com	Date of Initial Publication: 16-May-2022 Publication Date of this Revision: 14-Sep-2023

Service Bulletin

Service Bulletin Equipment Manufacturer Notification SB-ASTM-F2-99

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:	Unless otherwise specified in Section 3, all aircraft where equipment identified within the individual Notification referenced by Section 3 is installed.
Applicable Countries:	Not limited

1.2 Concurrent Documents

All documents listed in Section 3 are considered concurrent.

1.3 Reason


Regulations applicable to LSA aircraft in multiple countries require the manufacturer to address relevant service documents issued by the manufacturer of components that are installed to the aircraft.

1.4 Subject

This document provides reference to Notifications issued by equipment manufacturers that are considered relevant for the aircraft Type and Model identified in Section 1.1. Further supportive information, required to support compliance with the equipment manufacturer's Notification, is provided by reference.

In some cases Flight Design may decide to issue individual Notifications, mandating compliance with one specific equipment manufacturer's Notification. These Notifications are not listed in Section 3.

- ▲ **Warning:** This document does not relieve the owner / operator from its duty to verify the knowledge of, and compliance with all applicable Notifications issued by the equipment manufacturer.

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1.5 Compliance

Individual compliance schedules are identified in Section 3, along with each individual Notification.

Verification if all equipment manufacturer notifications are complied with is required at each annual inspection. This includes verification of those information referenced by this document, and verification for further Notifications issued by the manufacturer directly.

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

1.6 Approval

This SB is approved by the aircraft manufacturer i.a.w. ASTM F2483 for conduct on affected aircraft as defined in 1.1. Subsequent to complete and correct conduct of this SB the aircraft being maintained in compliance with this Notification will still meet the requirements of the applicable ASTM design and performance specification.

1.7 Type of Maintenance

Individual type of maintenance (Line or Heavy) is identified in Section 3 along with each individual Notification.

1.8 Personnel Qualifications

Individual personnel qualification requirements are identified in Section 3, along with each individual Notification.

The following codes of qualification are used:

1. Owner / Operator
2. National maintenance and inspection regulations as applicable for line maintenance apply. It is the duty of the owner / operator to identify the equivalent level for its country of operation.
3. National maintenance and inspection regulations as applicable for heavy maintenance apply. It is the duty of the owner / operator to identify the equivalent level for its country of operation.
4. For US LSA aircraft: Repairman, Light Sport Aircraft-Maintenance (RLSA-M) – holds a repairman certificate (light sport aircraft) with a maintenance rating, A&P, IA or an FAA repair station.
5. Airplane manufacturer.
6. Task specific training required.

1.9 Release to Service


Conduct of this SB must be inspected by an aircraft inspector according to the national applicable regulations for the country of registry of the aircraft.

Conduct of this SB 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

In cases where the effect to empty aircraft weight and cg is significantly below 0.45 kg (1 lb), reweighing of the aircraft may be omitted as per FAA publication AC 43.13-1B. Unless otherwise specified in the publications listed in section 3, it is the responsibility of the person providing release to service to verify, if this exemption is applicable. The decision must be recorded in the release to service.

▲ Warning: When this exemption has been used already for earlier maintenance events on the aircraft, or when other maintenance events are conducted in parallel and the weight changes of the individual events add up to more than 0.45 kg (1 lb), re-weighing of the aircraft is required for the sum of the effects.

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1.11 References

References are provided directly in Section 3, as applicable.

1.12 Superseded Documents

List of superseded documents:

Revisions 00, 01

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

1.14 Disclaimer

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

2 Resources

See individual Notifications listed in Section 3.

3 Instructions


The subsequent information is provided in groups by equipment manufacturer.

Webpage addresses are subject to change and not under control of Flight Design. In case the listed web address is not functional, check for updated web address of the equipment manufacturer. When unable to locate the correct web address, contact Flight Design.

Each individual item is applicable to a specific aircraft, when the relevant equipment is installed to this aircraft, and when the referenced Notification identifies the individually installed equipment as affected. Definitions provided by Flight Design as part of this table may supersede the definitions of the equipment manufacturer Notification.

When concurrent FD documents are listed, these FD documents are mandatory to demonstrate compliance with the relevant Notification.

Notes are always provided at the end of each individual table, identified by numbers per each individual table.

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It is possible that Flight Design has decided to issue individual Notifications, mandating compliance with a Notification issued by one equipment manufacturer. These Notifications are not listed in Section 3.

- ▲ Warning:** Presence of information in the subsequent tables does not relieve the owner / operator from its duty to verify the knowledge of, and compliance with all applicable Notifications issued by the equipment manufacturer and through the channels of the equipment manufacturer.
- Note:** Document references are always intended to point to the latest revision of a document as issued by the document owner, unless explicitly identified otherwise.



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3.1 Notifications issued by ROTAX

ROTAX notifications are published by and under the responsibility of ROTAX at the following web location:

<https://www.flyrotax.com/p/service/technical-documentation>

Equipment Manufacturer Document	Document Title	Applicability (Type / Model)	Mandatory / Optional / On Condition	Compliance	Concurrent FD Document	Notes
SB-912 i-013 / SB-915 i-012	Replacement of electrical fuel pump(s) for ROTAX® Aircraft Engines	F2-LSA	Mandatory	as per Rotax SB	n/a	n/a
SB-912-078 / SB-914-059 / SB-912 i-014	Exchange of propeller shaft on ROTAX® Engine type 912 / 914 (Series) and 912 i (Series)	F2-LSA	Mandatory	as per Rotax SB	n/a	n/a
SB-912-078UL / SB-914-059UL / SB-912 i-014iS	Exchange of propeller shaft on ROTAX® Engine Type 912/914 (Series) and 912 i (Series)					

3.2 Notification issued by BRS Inc.

Currently no Notification referenced from here.

3.3 Notifications issued by JUNKERS PROFLY

Currently no Notification referenced from here.



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3.4 Notifications issued by GARMIN


GARMIN notifications are published by and under the responsibility of GARMIN at the following web location:

<https://www.garmin.com/en-US/aviationalerts/>

Equipment Manufacturer Document	Document Title	Applicability (Type / Model)	Mandatory / Optional / On Condition	Compliance	Concurrent FD Document	Notes
22035_A	Jeppesen Chart Products Not Legible While In Night Mode	F2-LSA	advisory	n/a	n/a	n/a
2157_D	ADS-B, ADS-R, and TIS-B Traffic Accuracy	F2-LSA	advisory	n/a	n/a	n/a
22112_B	Automatic Trim/GDU™ 4XX Reset	F2-LSA	mandatory	prior next flight	SA-ASTM-F2-01	n/a

3.5 Notifications issued by SENSENICH

Currently no Notification referenced from here.

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4 Appendix

4.1 Changes to Previous Revision

Rotax Service Bulletins SB-912-078 / SB-914-059 / SB-912 i-014 and SB-912-078UL / SB-914-059UL / SB-912 i-014iS added.

4.2 Feedback Template

No feedback required.