

FLIGHT DESIGN

Document No.: PZ 0100 6008_01

Service Bulletin

Service Bulletin Equipment Manufacturer Notification

SB- LTUL-CTSW-99

SB-LTUL-CT Supralight-99

SB- LTUL-CTLS-99

SB-SECS-CTSW-99

SB-SECS-CT Supralight-99

I List of Revisions

| Rev. | Description | Request | Generated | Verified | Approved | Date |
|-------------|--|----------------|------------------|-----------------|-----------------|-------------|
| 00 | New document | - | OG | VN | AKA | 16-Aug-2016 |
| 01 | Added Rotax information: SB-912 i-008iS / SB-912-070UL / SB-914-052UL | DCR 17-10-010 | AP | VT | AKA | App. date |
| | | | | | | |

II General

Signatures for generation / verification / approval see subsequent page.

Cover page and signature page only serve internal purposes.


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III Signatures

| Select and complete applicable disciplines and provide signatures: | | | | | |
|---|-----------------------|--|--------------------------|-----------|------|
| Signature Role | Discipline / Function | Required | Name | Signature | Date |
| Generation (DE) | Engine Integration | Yes | Anatolii Petrovykh | | |
| Compliance Verification (CVE) | Structures | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Aircraft Systems | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Loads | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Flight Mechanics | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Aerodynamics | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Electric Systems | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Avionic Systems | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Engine Integration | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Volodymyr Topkin | | |
| Compliance Verification (CVE) | Propeller Integration | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Flight Test | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Aeroelasticity | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Compliance Verification (CVE) | Flammability | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Production Verification for feasibility provided by signature on this sheet | | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | | | |
| Production Verification for feasibility provided within separate work order | | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Reference to Work Order: | | |
| <i>Subsequent CVE signature confirms that all selections above were done correct and that verification with production has been completed with acceptable result:</i> | | | | | |
| Compliance Verification (CVE) | COSM / ICA | Yes | Thomas A. Peghiny | | |
| Approval (HoA) | -- | Yes | Artem Komisarenko | | |

| Document Title | Document No | Revision | Page |
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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: CT
- Model: CTSW; CTLS; CT Supralight
- 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: Countries with aircraft certified and operated as Ultralight aircraft, in compliance with either the German LtF-UL 2003, or the British BCAR Section S, or with requirements based on those.

1.2 Concurrent Documents

All documents listed in Section 3 are considered concurrent.

1.3 Reason

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

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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.

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 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 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.

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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. Airplane manufacturer.
5. Task specific training required.

1.9 Release to Service

Compliance with this SB must be confirmed by an aircraft inspector according to the national applicable regulations for the country of registry of the aircraft.

Conduct with 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 in compliance with FAA publication AC 43.13-1B. Unless otherwise explicitly specified within Section XY, it is in the responsibility of the person providing release to service to verify, if this exemption is applicable. The decision must be recorded, along with the release to service.

▲ Warning: When the exemption according to AC 43.13-1B 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.

1.11 References

References are provided directly in Section 3, as applicable.

1.12 Superseded Documents

- none -


1.13 Contact Details

For further information on conduct of this SB, 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 website: www.flightdesign.com under "Dealer Location".

In cases where the local distributor is not known or available contact Flight Design 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.

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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.

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:

<http://www.flyrotax.com/customer-service/Impressum/technical-publications.aspx>

| Equipment Manufacturer Document | Document Title | Applicability (Type / Model) | Mandatory / Optional / On Condition | Compliance | Type of Maint. | Personnel Qualification (see Sect. 1.8) | Concurrent FD Document | Notes |
|--|--|-----------------------------------|-------------------------------------|-----------------|----------------|---|------------------------|-------|
| ASB-912-069 / ASB-914-051 ASB-912-069UL / ASB-914-051UL | Exchange of floats on ROTAX® Engine Type 912 and 914 (Series) | CTSW, CT Supralight, CTLS | Mandatory | As per Rotax SB | Heavy | 3. 6. As per Rotax SB | n/a | n/a |
| SB-912 i-008iS / SB-912-070UL / SB-914-052UL | Inspection and/or replacement of the valve push-rod assy., rocker arm left and rocker arm right for ROTAX® Engine Type 912 i, 912 and 914 (Series) | CT / CTSW; CT Supralight; CTLS | Mandatory | As per Rotax SB | Heavy | 3. 6. As per Rotax SB | n/a | n/a |

Notes:

- none -

3.2 Notifications issued by DYNON AVIONICS

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

http://www.dynonavionics.com/docs/support_bulletins.html

Currently no Notification referenced from here.

3.3 Notification issued by BRS Inc.

Currently no Notification referenced from here.



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3.4 Notifications issued by JUNKERS PROFLY


Currently no Notification referenced from here.

3.5 Notifications issued by GARMIN

Currently no Notification referenced from here.

3.6 Notifications issued by NEUFORM

Currently no Notification referenced from here.

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4 Appendix

4.1 Changes to Previous Revision

ROTAX Service Bulletins SB-912 i-008iS / SB-912-070UL / SB-914-052UL added.

4.2 Feedback Template

No feedback required.