

SERVICE INSTRUCTION

B.U.D.S. Aircraft Update for ROTAX® Engine Type 912 i Series

This SI revises SI-912 i-003R1 dated 20. February 2013.

ATA System: 76-00-00

Symbols used:

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

General note



Identifies an instruction which, if not followed, may cause serious injury or even fatal injury.



Identifies an instruction which, if not followed, may cause minor or moderate injury.



Denotes an instruction which if not followed, may severely damage the engine or could lead to suspension of warranty.

ENVIRONMENTAL NOTE

Environmental notes give you tips on environmentally conscious behaviour.

NOTE: Information useful for better handling.



A revision bar outside of the page margin indicates a change to text or graphic.

1) Planning information

1.1) Applicability

All versions of the engine type:

Engine type	Serial number
912 iS	All
912 iSc	All

NOTE: All “BRP Utility and Diagnostic Software (B.U.D.S.) Aircraft“ versions must be used on a specific engine range only. Refer to the relevant Service Instruction to identify the B.U.D.S. Aircraft version to use with a specific engine type, ECU hardware and ECU software.

1.2) Concurrent ASB/SB/SI and SL

In addition to this Instruction the following Service Instruction must be observed and complied with:

-SI-912 i-002, “B.U.D.S. Aircraft Installation Instructions“, current issue.

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1.3) Reason

The current version of B.U.D.S. (BRP Utility and Diagnostic Software) Aircraft version V 2.2 will be replaced by a new, revised version V 2.3. With this version, which has been developed as part of continuous improvements, an optimization of the Graphical User Interface (GUI) and changes of the user-privileges have been implemented.

1.4) Subject

B.U.D.S Aircraft Update for ROTAX® engine type 912 i Series.

1.5) Compliance

- Before the next maintenance event prescribed by BRP

1.6) Approval

The technical content of this document is approved under the authority of DOA ref. EASA.21J.048.

1.7) Labor time

no change

1.8) Mass data

no change

1.9) Electrical load data

no change

1.10) Software accomplishment summary

no change

1.11) References

none

1.12) Other publications affected

- Illustrated Parts Catalog (IPC)
- Maintenance Manual (MM)

1.13) Interchangeability of parts

not affected

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2) Material Information

2.1) Material- cost and availability

B.U.D.S. Aircraft is available online free of charge via <http://www.flyrotax.com>.

NOTE: Concerning Download and Installation Instructions see also SI-912 i-002, "B.U.D.S. Aircraft Installation Instructions" current issue.

2.2) Company support information

none

2.3) Material requirement per engine

none

2.4) Material requirement per spare part

none

2.5) Rework of parts

none

2.6) Special tooling/lubricant-/adhesives-/sealing compound

NOTE: For proper use and starting of B.U.D.S Aircraft a specific USB-to-CAN converter is necessary.
Depending on the context of use following sets are available:

description	part no.
B.U.D.S. set level 1	864021
B.U.D.S. set level 2	864022
B.U.D.S. set level 3	864023

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3) Accomplishment / Instructions

NOTE: Before maintenance, review the entire documentation to make sure you have a complete understanding of the procedure and requirements.

Accomplishment

All the measure must be taken and confirmed by at least one of the following persons or organisations:

- ROTAX® - Airworthiness representative
- ROTAX® - Distributors or their Service Center
- Persons approved by the respective Aviation Authority
- Person with type-specific training (applicable only for none-certified engines)

NOTE: All work has to be performed in accordance with the relevant Maintenance Manual.

Safety notice



WARNING

Proceed with this work only in a non-smoking area and not close to sparks or open flames. Switch off ignition and secure engine against unintentional operation. Secure aircraft against unauthorized operation.



WARNING

Risk of scalds and burns! Allow engine to cool sufficiently and use appropriate safety gear while performing work.

NOTICE

Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one.

3.1) General

An updated B.U.D.S. Aircraft version is now available.

3.2) Download of the Software

The Software is published via the ROTAX® Aircraft Engines official website:

- <http://www.flyrotax.com>
- Technical Publication
- Engine Type = 912 iS or 912 iSC
- Document Type = Miscellaneous
- Choose B.U.D.S. Aircraft V 2.3 from the list.

3.3) Activation Key for the combination B.U.D.S. Aircraft and USB-to-CAN converter

For a proper functioning this B.U.D.S. Aircraft Software requires an USB-to-CAN converter which is included in the B.U.D.S. Set.

An Activation Key for the relevant USB-to-CAN converter serialnumber is included in the B.U.D.S. set.

This data has to be entered at the first login with an USB -to-CAN converter connected to the relevant USB port. This activates the Software for the relevant USB-to-CAN converter.

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3.4) Installation Instruction for B.U.D.S. Aircraft:

- <http://www.flyrotax.com>
- Technical Publication
- Engine Type = 912 iS oder 912 iSc
- Document Type = Service Instruction
- Select from the list SI-912 i-002, "B.U.D.S. Aircraft Installation Instruction for ROTAX® engine type 912 i Series" current issue.

4) Appendix

Not relevant.