

GFA AD 605

(ISSUE 1)

CANCELLED 01/05/2017 **REFER TYPE CERTIFICATE HOLDERS** **CURRENT DATA**

GFA AIRWORTHINESS DIRECTIVE

TYPE AFFECTED: LS 4-b Serial Nos. 4830 to 41054 inclusive.

SUBJECT: Life extension to 12000 Hours, & Increase in Maximum weight of Non Lifting Parts subject to conditions.

DOCUMENTATION: Rolladen-Schneider Technical Bulletins Nos. 4046 and 4047 are attached and herewith become part of this AD. The TBs and manual amendment pages are available from the Secretariat, or can be downloaded from the DG/LS website shown below.

<http://www.dg-flugzeugbau.com/tech-mitteilungen-e.html>

ACTION REQUIRED: Update / exchange pages in Flight Manual and Maintenance Manual as detailed in TB 4046.

By moving water ballast bags outward & reducing the maximum amount of water ballast, the maximum weight of non lifting parts can be increased. See TB 4047 for information on increase procedure and possible retrofit.

WEIGHT AND BALANCE: Not affected

IMPLEMENTATION: At next Annual Inspection but not later than 30 April 2004.

COMPLIANCE: With respect to TB4046 of this GFA Airworthiness Directive are mandatory.

With respect to TB 4047 the requirements are optional.

This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

SIGNED: John Viney STOA

For and behalf of:

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OF AUSTRALIA

Subject: Flight and Maintenance Manuals

Effectivity: Sailplane LS4-b, serial numbers between 4830 and 41054.

Accomplishment: Until next annual inspection.

Reason: Update/Exchange of manual pages:

- a) By moving wing water ballast bags outward and reducing the maximum amount, the maximum weight of non-lifting parts can be increased.
- b) See TB 4047 for increase procedure and possible retrofit.
- c) Increase of structural life limit to max. 12000 hours.

- Material and Instructions:
1. Update/Exchange the following pages of manuals:
Flight Manual Edition 1992 (Without tail fin tank):
0-1, 0-2, 2-4, 4-7, 4-8a, 4-9a (Rev. 3)
Maintenance Manual Edition 1992: 0-1, 0-2, 2-3, 2-4a, 2-5a, 5-1, 5-2, 5-3 (Rev. 1)

Flight Manual Edition 1995 (With tail fin tank):
0-1, 0-2, 2-4, 4-7 to 4-9, 4-10a, 4-11a (Rev. SF2)
Maintenance Manual Edition 1995: 0-2, 0-3, 2-3, 2-4a, 2-5a, 5-1, 5-2, 5-3 (Rev. SF2)
 2. Procedure for use of increased Cockpit Load see TB 4047.

Weight and Balance: Not affected.

Remarks: Accomplishment by operator.

Accomplishment must be entered into logbook and TB-AD-Accomplishment List in Maintenance Manual and be signed by inspector.

LBA-approved:

27. AUG. 2003

Prepared:
18. Dez. 02
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Subject: Increase of Maximum Weight of Non-Lifting Parts

Effectivity: Sailplane LS4-b, serial numbers between 4830 and 41054.

Accomplishment: Optional

Reason: Moving wing water ballast by 0,75m (30 in) outward and reducing the maximum amount to about 112 Litres (29.6 US-Gal.; 24.6 UK-Gal.), the maximum weight of non-lifting parts can be increased, thus allowing full maximum cockpit load of 110 kg (242 lbs).

- Material and Instructions:
1. Modify wing water ballast system according to drawing 1BF-170 or remove bags from wings completely.
Remark: One version of originally built-in water ballast bags allows 100 Litres <26.4 US gallons, 22.0 Imp. gallons> only. These must also be moved in position, when increased values for Cockpit Load plus water ballast are intended to be used"!
 2. Check resulting Maximum Cockpit Load with data of last C.G. weighing and enter value into Flight Manual page 6-2 (enter "V112" into column Wing Ballast Volume) and Data Placard in cockpit.
 3. Mark root rib valve heads with "V112".

Weight and Balance: Not affected.

Remarks: Accomplishment by national authority approved repair station.

Accomplishment must be entered into logbook and TB-AD-Accomplishment List in Maintenance Manual and be signed by inspector.

Logbook entry: TB 4046 wing water bags shifted and reduced
or TB 4046 wing water bags removed

CAUTION: When this TB is being undone by re-installation of original bags (Amount of water and original position), then all above mentioned entries must be crossed invalid and markings "V112" removed

LBA-approved:

27. AUG. 2003

Prepared:
18. Dez. 02

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