



## AIRWORTHINESS DIRECTIVE

CANCELLED 18/01/2019  
REFER GFA AN 55 ISSUE 4.

TYPES AFFECTED:

LS 4 Sailplane - All serial numbers.

SUBJECT:

Upgrading to model LS-4A (Refer Bulletin 4018 attached)

BACKGROUND:

Rolladen Schneider Technical Bulletin No. 4018 outlines the modifications required to upgrade an LS4 to an LS-4A.

NOTE!

Upgrading is not mandatory, but if the upgrading is done, then compliance with this A.D. is mandatory.

ACTION REQUIRED:

For full upgrading -

- (1) Modify the undercarriage to Technical Bulletin 4013 (Refer GFA AN 55).
- (2) Modification of water ballast system to Technical Bulletin 4014 (Refer GFA AN 55)
- (3) Add 'A' to cockpit type placard.
- (4) Surrender C. of A. and C. of R. to GFA Secretariat for upgrading to LS-4A. A weighing summary must accompany C. of A. and C. of R. (See 7).
- (5) Fit new speed limiting and loading placard into the cockpit.
- (6) Obtain and operate to the revised May 1983 editions of the Flight and Maintenance Manuals.
- (7) Weigh the sailplane.
- (8) Enter full details into the logbook.
- (9) Amend Maintenance Release type designation.

IMPLEMENTATION:

This upgrading is to be carried out by a person endorsed on the DoA 1109 for "C. of A" any type.  
Weighing to be carried out by appropriately authorised inspector.

COMPLIANCE:

The requirements of this Airworthiness Directive are mandatory. This Directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Secretary of the Department of Aviation.

Issued by:

Chief Technical Officer  
Airworthiness

3/8/1983

For and on behalf of:

GLIDING FEDERATION OF AUSTRALIA

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| Rolladen Schneider<br>Flugzeugbau GmbH. | Technische Mitteilung<br>Technical Bulletin | No.4018 | Blatt 1 von 1<br>Page 1 of 1 |
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Gegenstand: Umrüsten der Baureihe LS4 in LS4-a

Betroffen: Segelflugzeug Baureihe LS4

Dringlichkeit:  
wahlweise

Vorgang: Umwandlung in LS4-a (Max. Flächenbelastung 50 kg/m<sup>2</sup>)

Maßnahmen und Material:

- 1) Änderung Fahrwerk gem. TM 4013 (3.Federelement)
- 2) Wahlweise Änderung Wasserballast gem. TM 4014 (2 getrennte Wassersäcke pro Flügel)
- 3) Flug- und Wartungshandbuch LS4-a, Ausgabe April 1983
- 4) Änderung Typenschild durch Hinzufügen von -A
- 5) Änderung Datenschild und Trimplan

Gewicht und SP-Lage: Müssen neu bestimmt werden

Hinweise:

- 1) Material, Verarbeitungshinweise und Zeichnungen können unter Angabe der Werknummer vom Hersteller bezogen werden
- 2) Die Umwandlung ist von einem Prüfer Klasse 3-abzunehmen und im Bordbuch unter folgender Angabe zu bescheinigen: Umrüstung in LS4-a, TM 4014 nicht durchgeführt bzw. durchgeführt
- 3) Eintrag der durchgeführten TMs und LTAs im Wartungshandbuch Blatt 14-1 TM-LTA-Durchführungsbeleg
- 4) LS4-a Zulassung für Wolkenflug nur möglich, wenn TM 4014 NICHT durchgeführt

Anerkannt vom

Luftfahrt-Bundesamt



7. Juni 1983

Subject: Modification of LS4 to LS4-a

Effectivity: Sailplane model LS4

Accomplishment:  
optional

Reason: Modification to LS4-a

Instructions and Material:

- 1) Modify landing gear according to TB 4013(Third spring unit)
- 2) Optional modification of water ballast system according to TB 4014(2 separate ballast bags per wing)
- 3) Provisional Flight- and Maintenance Manuals, Edition May 83
- 4) Modify Type Placard at main bulkhead by adding -A
- 5) Exchange cockpit speed limit and loading placard

Weight and Balance: Must be redetermined

Remarks:

- 1) Materials, Instructions and drawings may be obtained from manufacturer
- 2) Modification must be checked by inspector and signed in logbook with the following entry: Modification to LS4-a, TB 4014 not accomplished or accomplished
- 3) Enter accomplished TBs or ADs on page 6-1 of Maintenance Manual, TB-AD-Accomplishment List.
- 4) LS4-a approval for cloud flying only, if TB 4014 has NOT been accomplished.

RECEIVED  
29 JUN 1983

Edition: 1.June,1983