



Edition of TM 817-10 for U.S. registered gliders.

Subject: Reduction of center of gravity range and procedure for spin recovery.

Effectivity: Motorglider GROB G 109, all serial numbers.

Accomplishment: Immediately after receipt of this information, but not later than July 15, 1983.

Reason: After flight experience with G 109 the manuals must be modified to reduce the CG range and to describe the procedure for spin recovery.

- Instructions:
1. To update the Flight Manual to revision state of 2.5.1983 the following pages have to be exchanged.
 - Pages 1 and 1a (supersede issue of Jan. 1983)
Amendment list of May 2, 83
 - Page 8 (supersedes issue of 1.3.81)
Aerobatic inclusive intentional spins prohibited
 - Page 16 (supersedes issue of June 15, 82)
Correction of weights
 - Page 17 (supersedes issue of June 15, 82)
CG range 29,5 % to 36 %
 - Page 17a (supersedes issue of June 15, 82 of page 18)
Modified load table
 - Page 18 (new)
Load table diagram
 - Page 18b (supersedes issue of June 15, 82)
Placard "baggage" modified
 - Page 18e (supersedes issue of June 15, 82)
Placard "fuel-quantity" and "aerobatic" new
 - Page 23 (supersedes issue of June 15, 82)
Preflight inspection
 - Page 33 (supersedes issue of June 15, 82)
Spin recovery
 - Page 46 (supersedes issue of April 5, 82)
Outside parking
 - Page 54 (supersedes issue of April 5, 82)
Empty weight CG
 - Page 56 (supersedes issue of April 5, 82)
Procedure to calculate CG

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Page 59 (supersedes issue of April 5, 82)
CG-schedule

Page 60 (supersedes issue of April 5, 82)
Example

Page 60a (new) Example

3. The following placards must be fixed in the cockpit:

- "Aerobatic inclusive spinning prohibited" at ^{left hand} 1/n panel
- "Fuel quantity" near the instrument
- "Baggage inclusive oxygen-cylinder see load table" in the baggage compartment.

Material:

The exchange pages 1, 1a, 8, 16, 17, 17a, 18, 18b, 18e, 23, 33, 46, 54, 56, 59, 60 and 60a of the Flight Manual have to be obtained from the manufacturer.

Mattsies, May 2, 1983

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Horst Wilser

Approved by LBA



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