



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 Juli 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 4 and 4a (supersede issue of 14.12.82)
Amendment list of 2.5.83
 - Page 8 (supersedes issue of 1.3.81)
Aerobatic inclusive intentional spins prohibited
 - Page 16 (supersedes issue of 12.5.81)
Correction of weights
 - Page 17 (supersedes issue of 1.3.81)
CG range 29,5 % to 36 %
 - Page 19 (supersedes issue of 12.5.81)
Modified load table
 - Page 19a (new)
Load table diagram
 - Page 20 (supersedes issue of 1.3.81)
Procedure to calculate CG
 - Pages 23 and 24 (supersede issue of 12.5.81)
CG-schedule, example
 - Page 24a (new) Example
 - Page 26a (supersedes issue of 12.5.81)
Empty weight CG
 - Pages 30 and 38 (supersede issue of 1.3.81)
Preflight inspection and spin recovery
 - Page 49 (supersedes issue of 1.3.81)
Outside parking
2. To update the Maintenance Manual to revision state of 2.5.1983 the following pages have to be exchanged.
 - Pages 4 and 4a (supersede issue of 1.10.82)
Amendment list of 2.5.83

Page 46 (supersedes issue of 1.10.82)
Placard "baggage" modified

Page 47a (supersedes issue of 1.3.81)
Placard "fuel-quantity" and "aero-
batic" new

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

- "Aerobatic inclusive spinning prohi-
bited" at ^{left hand} 1/h panel
- "Fuel quantity" near the instrument
- " Baggage inclusive oxygen-cylinder
see load table" in the baggage com-
partment

Material:

The exchange pages 4, 4a, 8, 16, 17, 19, 19a, 20, 23,
24, 24a, 26a, 30, 38 and 49 of the Flight Manual and
the exchange pages 4, 4a, 46 and 47a of the Main-
tenance Manual have to be obtained from the
manufacturer.

Mattsies, May 2, 1983

i. A. Dipl. Ing. H. Wilser

H. Wilser

Approved by LBA



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24. Mai 1983