



Subject: Inspection and exchange of the two inner elevator hinges.

Effectivity: Motorglider GROB G 109 B
s/n 6200 - 6445 (inclusive)

Accomplishment: - Instruction 1 before next take-off
- Instruction 2 before next take-off
- Instruction 3 by May 31, 1988

Reason: During operation of the motorglider G 109 B parting of the inner elevator hinges occurred now and then. As a precaution, the elevator hinges will be exchanged.

Instructions: 1st Instruction: Inspection of the installed hinges

1.1 The new elevator hinges have already been installed in a few motorgliders during previous repairs. The new hinges mainly consist of the hinge bushing and two hinge legs which are 90 degrees staggered. One leg is attached conventional to the elevator shell, whereas the additional leg is laminated to the elevator web. The already performed installation of new hinges can thereby be easily determined by means of the thicker web. If new hinges have already been installed, further instructions are not applicable.

2nd Instruction: Inspection of the hinge fit

2.1 The inspection of the hinge fit can be performed in rigged condition.

2.2 A bad hinge fit can be determined through cracks or bumps on the elevator shell around the hinges.
If a bad hinge fit is detected, instruction 3 has to be performed before the next take-off.

2.3 If no defects are found, instruction 2 has to be carried out during each preflight inspection until the hinges have been replaced according to instruction 3.

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3rd Instruction: Exchange of the elevator hinges

- 3.1 The two inner elevator hinges are exchanged according to repair instruction to Service Bulletin TM 817-25.
- 3.2 If the exchange is carried out before the next take-off, the check according to instruction 2 is not applicable.
- 3.3 The exchange of the elevator hinges has to be performed by May 31, 1988. In any case, both hinges have to be exchanged.

Weight and
balance:

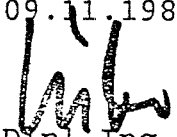
No effect

Remarks:

Instructions 1 and 2 can be carried out by qualified mechanics. The preflight check according to instruction 2 has to be entered in the log-book. Instruction 3 must be carried out by an authorized aviation workshop. The proper execution of instruction 3 has to be certified in the log-book by an authorized inspector, class 3.

Mattsies, 09.11.1987

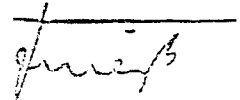
LBA anerkannt am:


gez. i.A. Dipl.Ing. R. Rischer

P.S.: In case you have sold your motorglider meanwhile, we ask you kindly to give this information immediately to the new owner and to let us know his address together with the serial number.

The translation has been done by best knowledge and judgement. In any case or doubt, the German original is authoritative. The German original of this Service Bulletin has been approved by the LBA under the date of 15. FEB. 1988 and is signed by





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