

Subject: Inspecting the elevator engaging actuator (on the top of the fin) in accordance with the instructions given in the Flight and Maintenance Manuals.

Serial number applicability: Glider model ASW 22, Data Sheet no. L-351,  
Serial no.s : 22001 thru 22022  
22024 thru 22027  
22029 thru 22033  
22035 thru 22037  
22039 and 22046

Compliance: Action to be accomplished with the next annual C. of A. inspection, but before or on January 1, 1992, at the latest.  
Where a glider has had rather long transports in its trailer, the action must be done prior to the next take-off. Thereafter during each annual C. of A. inspection.

Reason: With the elevator engaging actuator of the ASH 25 (the part is of same construction as on the ASW 22) one case has been reported where one of the short tube pieces which carry the bearing casing for the elevator hinge pins, developed a crack in the welding seam. This failure was due to the fact that the elevator engaging actuator (on top of the fin) was held by means of a foam block inside the glider trailer. During the transports in the trailer the vibrations of the trailer top were induced into the elevator engaging actuator, leading to the above fatigue crack on this part. This is particularly critical with rather long road transports.

Action: In the Flight Manual page 63 and in the Maintenance Manual page 64A with the revision entry "TN 7" and the date "28.06.91" must be inserted as new pages. The accomplishment of the supplement to the Manuals must be entered on the respective pages 1+2 "Index of Corrections" in both manuals.

The elevator engaging actuator must be inspected according to the instructions given on Maintenance Manual page 64A. The same inspection must be repeated from now on during each annual C. of A. inspection.

According to the new Flight Manual page 63 the glider trailer must also be checked and, where necessary, modified as described on this page. Even with the stick full back, the elevator engaging actuator must not be restricted in its required free moving.

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ASW 22  
Technical Note  
No. 7

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Material &  
drawings:

The relevant drawings are incorporated on the new manual pages; see Flight Manual page 63 and Maintenance Manual page 64A. The production drawing of the elevator engaging actuator 220.48.0011 (99.000.0080) was revised accordingly (Revision date 22.01.91).

Notes:


The inspection of the elevator engaging actuator must be done by a licensed aviation inspector and certified in the glider's inspection documents and in the log-book. If cracks are found, the part must be replaced prior to the next take-off either by the manufacturer or by a technical aviation service station holding an appropriate license.

The pages in the manuals may be inserted by the owner / operator of the glider himself.

The new manual pages and, where necessary, a new elevator engaging actuator can be obtained from Messrs. Schleicher.

Poppenhausen, June 28, 1991

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GmbH & Co.

  
Lutz-W. Juntow

The German original of this Technical Note has been approved by the LBA under the date of July 5, 1991 (signature: FENDT). The translation into English has been done by best knowledge and judgement; in any case the German original is controlling.

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