

Subject: Automatic elevator connection.

Affected gliders: All ASW 19 and 19 B, as of serial no. 19001.

Compliance: None; optional mod only.

Reason: As of the date of this T.N. the above model variants can be retrofitted with the automatic elevator connection which is used as standard on the ASW 20 B/C.

- Action:
1. Following drawing 190.35/36.S2 and 201.35/36.S1 the new elevator is built.
 2. As shown on drawing 190/200.37.S2 the box in the fin for the T-fitting is modified.
 3. Following the "Instructions for fitting the bearing mounting" this part is laminated into the fin using resin mixture.
 4. The elevator actuating hinge (201.48.0014) is assembled at the bearing mounting and at the elevator pushrod VI (201.48.0011).
 5. Assemble the elevator to the stabilizer; for this job, the two bushings (190.36.0020) must be fitted at the right inner bearing as shown on drawing 190.36/37.S3.
 6. Slide the horizontal tail unit onto the fin, adjust the engaging parts of the elevator (which catch the root ribs) to the actuating hinge and then mold them using thickened SCHEUFLEER-resin L 285 (do not forget a separating wax!).
 7. Exchange the following pages in the respective Flight and Operations Manuals:-
ASW 19: p. 21, 28b, and 29;
ASW 19 B: p. 21, 28b, and 35;
for pages with the same numbers but with the reference entry of T.N. no.22.
 8. Adjust the elevator deflections according to the data given in the Flight and Operations Manuals.

Material & drawings: See drawings detailed above.

Mass and C.G.: It is necessary to redetermine the mass and C.G. data.

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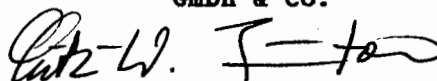
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Notes:

1. This automatic elevator connection modification must only be accomplished by the manufacturer or by a technical aviation service station holding an appropriate license; the accomplishment must be certified in the glider logbook and in the inspection certificates.
2. The exchange of the pages in the Manuals must be documented on the page "Amendments to the Manual".
3. For this modification only original parts from the manufacturer must be used.

Poppenhausen, October 8, 1986

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L.W. Jantow.

The German original of this Technical Note has been approved by the LBA under the date of October 29, 1986 (signature: SCHMALJOHANN). The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.

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