

Kind : Airworthiness Directive No. 77 - 294
(German LBA).

Subject : Reinforcement of forward tow hook attachment point.

Effectivity : Sailplane Model ASW 20.
Serial numbers 20 001 through 20 018
and 20 020 through 20 024

Accomplishment : The modification according to this TN has to be made for the next annual inspection.

Reason : According to a stronger airworthiness requirement a reinforcement compared to the same design of the ASW 19 tow hook is necessary.

Instructions : The tow hook is taken out of the fuselage. The front attachment fitting is disconnected from the plywood bulkhead. The holes in the plywood are drilled to 10 mm diameter. This is easy for the upper hole, for the lower hole, however, a small drill is needed or it has to be filed and reamed by hand to the new diameter. Now brass tubes 10 x 2 mm, 9.5 mm long, are inserted into the 10 mm holes. Then the fitting is screwed to the plywood by use of bigger washers, 30 mm diameter, 1.5 or 2 mm thick. The bigger washers are necessary so that the bolts cannot be pulled through the plywood bulkhead.

Material : 2 brass inserts (200.11.0037)
2 washers (200.11.0038)

Weight and Balance : Neglectable.

Remarks :

1. The modification can be effected by the owner himself and has to be documented by an inspector or an approved repair station in the log book.
2. The parts can be ordered from Alexander Schleicher Segelflugzeugbau.

Drawings :

For this TN the drawings 200.11.S^{21.1}3 and 200.11.S6 have been corrected (note of October 10, 1977). The drawings 200.11.0037 and 200.11.0038 are new.

Poppenhausen, October 18, 1977

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German original approved by the LBA on October 25, 1977, signed Frieß.