**Subject:**
Installation of a front towing hook.

**Affected gliders:**
ASW 20, all model variants.

**Compliance:**
None; optional equipment on request.

**Reason:**
For export into some countries where almost exclusively aerotows are performed, the installation of a forward towing hook is required which must be fitted clearly in front of the C.G.

**Action:**
1. According to drawing 201.11.38 the following parts are made and installed:
   - 201.11.0057
   - 201.11.0056
   - 201.11.0127.
   The trim bellcrank must be bent according to drawing 201.49.0020 so that it cannot interfere with the tow hook.
   Only the TOST tow hook E 75, P/N 60.230/1, model DFS, must be used; the tow hook must be installed 15 mm (0.59 in) left off the fuselage center line in order to get enough clearance from the trim spring.

2. With the installation of a front tow hook the Flight and Maintenance Manual is supplemented by including:
   - pages 23a and 38a for the ASW 20,
   - pages 25a and 42a for the ASW 20 L,
   - and pages 33a and 59a for the ASW 20 B, BL, C, and CL.

**Material:**
See drawings.

**Weight & balance:**
By the installation of the tow hook the mass of the non-lift producing structural parts is increased by about 1 kg (2.205 lbs) and the empty mass C.G. is shifted forwards by about 5 mm (0.2 in). Therefore, a weight & balance procedure is necessary after the installation of a front tow hook.
I s s u e  II

Notes:

1. For this TN no.16 supplementary static and flight test substantiation was done (see ASW 20 B substantiation, page 7569 and following pages). The substantiation for the greatest mass of all ASW 20-variants includes all other ASW 20s with lower all-up weights.

2. The installation of the front tow hook according to this TN must only be done by the manufacturer or by a licensed repair station and must be certified in the glider's logbook and the inspection papers.


4. This TN, Issue II. replaces the previous TN no.16 dated 05.09.83.

Poppenhausen, June 28, 1984

ALEXANDER SCHLEICHER
GmbH & Co.

The German original of this Technical Note has been approved by the LBA under the date of July 3, 1984, and has been signed by Mr. SCHMALJOHANN.

The translation into English of this TN has been done by best knowledge and judgement. In any case of doubt the German original is authoritative.
Ob.: grau lackiert

Mat.: 1.7214.4 / 1.7734.4

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A. Schleicher
Segelflugzeugbau
6116 Poppenhausen

Zeichnungsnummer L-314
201.11.0058

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Mat.: Sph. Birke 6.1013...
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A. Schleicher
Segelflugzeugbau
6968 Papenhausen

Zeichnungsnummer L-316
201.11.0127

Zust. Änderung Datum Nr. Urspr. Ers. 1 Ers. 2
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Abwicklung ca. 161 lang

Mat.: 1.7214.4 / 1.7734.4

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A. Schleicher  
Segelflugzeugbau  
6488 Pappenhausen

Zeichnungsnummer L-314  
201.11.0057

Blatt 81

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