

**Subject:** Modification for optional operation with 0.45 m high winglets including a short wing piece which are fitted at a wing separation joint.

**Serial number applicability:** All sailplanes ASH 26 and powered sailplanes ASH 26 E; all production versions.

**Compliance:** None, optional mod on customer request.

**Reason:** The positive experience regarding flight performance and characteristics which were demonstrated with winglets on other Schleicher aircraft, suggested to develop winglets also for the ASH 26 and ASH 26 E. As it was not feasible to fit these relatively high winglets of 0.45 m at the existing wing tip, it was necessary to develop a wing separation joint at  $y = 8.7$  where the winglet including a short wing piece (but without additional aileron) can be fitted. The cut short wingtip is available as another option so that the aircraft may be operated with or without winglets. It is also permissible to fit first only the wing separation joint with the standard wing tip and then to retrofit the winglets at a later stage.

**Action:** The winglets must be ordered from A. Schleicher GmbH & Co., together with the installation parts. Because molds are required the manufacture of the parts is only permissible by the manufacturer.  
In accordance with the „Installation Instructions Wing Separation Joint 8.7m“ and Drawing No. 260.51.9034 the original wing tip must be cut off and the parts belonging to the wing separation joint must be installed.  
The following manual pages must be exchanged for new pages with the same page no., but with the revision entry & date "TN 7 / April 99", or "TN 4 / April 99" respectively. The exchange of the pages in the Manuals must be documented on the respective pages "Record of Revisions" in both manuals. In the "Index of Effective Pages" (Section 0) the date of the exchanged pages must be changed to "09.04.99" by hand.

<b>ASH 26 E :</b>	FM p.:	1.5	1.6	4.2 thru	4.25	8.4			
Rev. Entry <b>TN 7</b>				4.6					
April 99	MM p.:	1.2	1.4	2.59	6.2	6.3	7.4	8.3	12.5
<b>ASH 26:</b>	FM p.:	1.5	1.6	4.2	4.3	4.4	4.6	4.13	8.4
Rev. Entry <b>TN 4</b>									
April 99	MM p.:	1.2	1.4	1.5	2.31	6.2	6.3	7.4	8.3
				12.5					

Legend: Flight Manual pages = FM p. // Maintenance Manual pages = MM p.

**Material and Drawings:**

Winglets Mod Kit for ASH 26 and ASH 26 E, made by A. Schleicher GmbH & Co.

The following drawings were new issued:

- 260.51.9030 Layer scheme drawing for winglet
- 260.51.9031 Wing separation joint at 8.7m
- 260.51.9032 Zig zag tape location winglet
- 260.51.9033 Survey drawing winglet
- 260.51.9034 Installation instructions wing separation joint 8.7m
- 260.51.9035 Wing tip survey drawing
- 260.51.9036 Winglet, location of tip skid / wing wheel
- 260.51.9037 Wooden parts of wing separation joint 8.7m / winglet / wing tip

Drawings of hardware are contained in the survey drawings.

**Mass & C.G.:** As the empty mass will change a little, It is necessary to redetermine the mass and C.G. data by weighing.

**Notes:**

1. Winglets, assembly drawings and instructions must be obtained from the manufacturer Schleicher GmbH & Co.
2. The installation of the wing separation joint and the alignment works can be accomplished by either the manufacturer Alexander Schleicher or by a technical aviation service station holding an appropriate license.

Contact: **Alexander Schleicher GmbH & Co.**  
**P.O.Box 60, D-36161 Poppenhausen**  
**Tel +49 6658 890 / Fax +49 6658 8940 or email AS-sailplanes@fulda.net**

3. The exchange of the pages in the Manuals can be done by the operator of the aircraft himself.

The accomplishment of all actions must be examined and certified in the sailplane's log, Flight and Maintenance Manuals, and in the aircraft's inspection documents by a licensed aviation inspector.

Poppenhausen, April 9, 1999

**Alexander Schleicher**  
GmbH & Co.  
by order

(Dipl.-Ing. M. Heide)

The German original of this Technical Note has been approved by the LBA under the date of May 21.1999 (signature: JUNG). The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.