Glasfaser-Flugzeug-Service GmbH Hansjörg Streifeneder Hofener Weg 61 72582 Grabenstetten	**Technical Note No. 304-13**	Page: 01 of 02 EASA.A.251

Subject:	Optional modification of the wing tip to operate the sailplane with the original tips or winglets
Affected:	Glasflügel 304
Urgency:	Optional
Reason:	To improve the aerodynamics on the wing tip and the flight handling with higher wing loading the tip can be modified to fly either with the original wing tip or Winglets After the installation of the Winglets the Flight and Service manual has to be extended.
Action:	The standard wing tips have to be cut off at 7,40 m (end of the aileron). Ribs will be clued into the wing and the Tipp and safety pins have to be installed in the Tipp and Winglet. The mass balance and moment of the aileron has to be changed in accordance to the flight and service manual. The Installation has to be done in accordance to the instruction and drawing 304-58-12 “tracing stencil”
Material:	Winglet kit include a pair winglets with connection-rip, wing connection-rip, wing-tip-rip as per drawings No. 304-58-10 and 304-58-11, all with identification plat es instruction and drawing 304-58-12. Amendment for flight and service manual 6a , 22a , 37 a and 50a Can be ordered from: Glasfaser-Flugzeug-Service GmbH Hansjörg Streifeneder Hofener Weg 61 72582 Grabenstetten www.streifly.de
CG and mass:	The increase of the weight per wing is approximately 1 kg. After the installation an new weight and balance report has to be made.

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Note:

1. The installation can be done by a certified workshop or from Glasfaser-Flugzeug-Service GmbH
2. All actions have to been signed of by an inspector with a appropriated license in the log book and the papers of the sailplane
3. The only permitted colour for the surface of the winglets is white, other colours can increase the temperature of the surface to more than 55° C or 131° F and will damage the structure.

Certification:

Structural report from 11.06.2000
Flutter report from 28.06.2000

Weight and Balance report and mass balance report from 01.08.2000

Flight test report

Grabenstetten, 27.01.2015

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Glasfaser-Flugzeug-Service
Hansjörg Streifeneder

EASA-approved:

The technical content of this Technical Note has been approved

by the EASA under the date of .12th February 2015

Approval number... 10052250.....

The translation into English has been done by best knowledge and judgement.