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**Technical Note  
No. 303-21**

Type Certificate No. 318

Subject: Ailerons made of carbon fibre

Effectivity: Sailplane model **Mosquito** and **Mosquito b**  
All serial numbers up to No.123, equipped with CRFP-aileron.

Accomplishment: Amendment of the flight- and operations manual must be done up to  
30.04.1995.

Reason: Due to tolerances in manufacturing control surface moments of the CRFP-aileron exceeded the moments given in the flight- and operations manual. Nevertheless there has never been any case of fluttering in flight.  
Because it is not possible to install further lead ballast on the ailerons to meet the earlier requirements, the admissible mass and control surface moment of the ailerons is raised. For this reason new flutter calculation was done.

Instructions: In the flight- and operations manual, page 50, the data for acceptable mass and control surface moments of the ailerons must be changed (handwritten supplement):

"Aileron: 3.5 - 4.5 kg (incl. mass balance)  
0.0420 - 0.0765 kgm (incl. mass balance)"

In case of repair, new paint work, etc. these new data are valid for CRFP-aileron.

The data for flap, elevator and rudder are not changed.

Material: Omitted

Weight: Not affected

Balance: Not affected

Remarks: Whether the ailerons are made of CRFP or GFRP can be seen on the trailing edge:  
On the trailing edge of CRFP-aileron the dark carbon layers are visible.

The manual supplement can be done by the owner of the aircraft. The accomplishment of this technical note is to be entered into the aircraft log book by a licensed inspector on the next annual inspection.

Grabenstetten, 09.01.95

*H. Streifeneder*

Original  
LBA - approved

*[Signature]*  
31. Jan. 1995