



# GFA AD 249

(ISSUE 5)

## GFA AIRWORTHINESS DIRECTIVE

- TYPE AFFECTED:** Hornet and Hornet C.
- SUBJECT:** Increases of service life beyond 3000 hours, up to 12000 hours.
- BACKGROUND:** Fatigue tests on FRP composite wings and wing spars have shown that a service life of 12000 hours is possible for these components. As the test programs did not examine the entire aircraft, the life extensions can only be granted if the long-term airworthiness of each individual aircraft is verified by compliance with a special multi-stage inspection program devised by the manufacturer. These inspections are in addition to the annual Form II inspections, but both may be performed concurrently. Life extension inspections will be due at 1000 hour intervals, commencing at 3000 hours.  
Issue 5 of this AD corrects omissions in Issue 4 by combining Issue 3 and Issue 4.
- DOCUMENTATION:** Glasfaser-Flugzeug-Service Technical Note 206-13 covers life extension from 3000 to 6000 hours, and Glasfaser-Flugzeug-Service Technical Note 206-23 covers life extension beyond 6000 hours. Both TNs are attached & form part of this AD.
- ACTION REQUIRED:** 3000 hours to 6000 hours:- Add pages E57 and E58 to the Flight & Maintenance Manual and update the "Amendments" section on Page 4. Service life may only be extended in accordance with the procedures set down in these pages. Pages E57 & E58 are available from Glasfaser or the GFA secretariat. Inspection schedules must be obtained from Glasfaser. Any defects found must be repaired appropriately before the service life can be extended.  
NOTE: the address shown on page E58, paragraph 4, is incorrect and should be changed to:-  
Glasfaser-Flugzeug-Service GmbH  
Hofener Weg.  
72582 Grabenstetten  
Germany e-mail:- info@streifly.de  
6000 hours to 12000 hours:- Add pages E59 and E60 to the Flight & Maintenance Manual and update the "Amendments" section on Page 4. Service life may only be extended in accordance with the procedures set down in these pages. Pages E59 & E60 are available from Glasfaser or the GFA Secretariat. Inspection schedules must be obtained from Glasfaser. Any defects found must be repaired appropriately before the service life can be extended. Further instructions will be issued for life extensions beyond 9000 hours.
- WEIGHT AND BALANCE:** The effects on Weight and Balance of any repairs must be considered.
- COMPLIANCE:** Life extension inspections must be performed by the holder of a GFA Airworthiness Authority endorsed for "Surveys, FRP". The inspector must ensure that the inspection is carried out in accordance with the latest Inspection Schedule, obtainable only from Glasfaser. Once completed the inspection report must be sent to the GFA airworthiness office who will forward a copy to Glasfaser.

The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia Inc.

**SIGNED:**

  


JOHN G VINEY SENIOR TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

**THE GLIDING FEDERATION  
OF AUSTRALIA INC.**

Glasfaser-Flugzeug-Service GmbH  
 LTS II-A 95 u. IC 12  
 Hofener Weg, Tel. 07382/1032  
 7431 Grabenstetten

TECHNICAL NOTE NO. 206-13

Page No. 1

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Repair station in charge  
 of Glasflügel sailplanes

Subject : Extension of service life

Affected: Sailplane model " Hornet "  
 F.R.G. Type Certificate No. 304  
 - variant " Hornet "  
 - variant " Hornet C "  
 all serial numbers

Compliance : Before reaching a total service life of  
 3000 hours, however not later than  
 May . 31st, 1989.

Reason : The results of cyclic loading tests  
 carried out on wing spars justify the  
 extension of the service life of  
 FRP sailplanes and motor gliders to  
 6000 hours, provided that the airworthiness  
 of each individual aircraft is evidenced  
 by a special multi-stage inspection program  
 carried out in compliance with supplementary  
 instructions of the Flight- and Operations  
 Manual.

Actions : The Flight- and Operations Manual  
 is to be supplemented by  
 - Page No. E 57 and E 58 titled  
 "Inspection procedures for extension  
 of the service life"  
 and the table of contents on page No. 57  
 is to be amended accordingly.

Remarks : Page No. E 57 and E 58 of the Flight-  
 and Operations Manual are available from Messrs.  
 H.J. Streifeneder  
 GLASFASER-FLUGZEUG-SERVICE  
 Hofener Weg  
 72582 ~~7431~~ Grabenstetten  
 Federal Republic of Germany.

Note : The accomplishment is to be entered into  
 the aircraft log book by a licensed  
 inspector.

Grabenstetten, November 5th, 1988

LBA approved: 29. Nov. 1988

Issued: . . . *H. Streifeneder* . . . . .  
 (Streifeneder)

Glasfaser-Flugzeug-Service GmbH Hansjörg Streifeneder Hofener Weg 72582 Grabenstetten	<u>TECHNICAL NOTE NO. 206-23</u>	Page No. 1 No. Of pages 1
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Subject:	Extension of service life
Affected:	Sailplane model "Hornet" and "Hornet C" F.R.G. Type Certificate No. 304  All serial numbers
Compliance:	Before reaching a total service life of 6000 hours, however not later than June 30 <sup>th</sup> , 2006.
Reason:	The results of cyclic loading tests carried out on wing spars justify the extension of the service life of FRP sailplanes and motor gliders to 12000 hours, provided that the airworthiness of each individual aircraft is evidenced by a special multi-stage inspection program carried out in compliance with supplementary instructions of the Flight- and Operations Manual.
Actions:	The Flight- and Operations Manual is to be supplemented by - Page No.E 59 and E 60 titled „Inspection procedures for extension of the service life”  and the table of contents on page No.4 is to be amended accordingly.
Remarks:	Page No. E 59 and E 60 of the Flight- and Operations Manual are available from : Hansjörg Streifeneder Glasfaser-Flugzeug-Service GmbH DE.21G.0080 und DE.145.0100 Hofener Weg D-72582 Grabenstetten Tel.: +49 (0)7382 1032 Fax.: +49 (0)7382 1629 www.streifly.de
Note:	The accomplishment is to be entered into the aircraft log book by a licensed inspector.
Grabenstetten, Oct.15 <sup>th</sup> , 2005  Issued:..... (Streifeneder)	EASA approved: