Glasfaser-Flugzeug-Service GmbH Hansjörg Streifeneder Hofener Weg 61 72582 Grabenstetten	**Technical Note** TN 201-40, TN 205-27 TN 206-26, TN 303-25 TN 304-12, TN 401-30 TN 501-10, TN 604-11	Page: 01 of 05

Subject: Elevator control rod in vertical stabilizer
P/N: 205-46-9, 401-46-24, 501-46-11 und 604-46-13,-15,-16

Applicability:
„Standard Libelle 201b“, S/N.169
„Standard Libelle 203“, all S/N.
„Standard Libelle 204“, S/N. 1
„Club Libelle 205“, all S/N.
„Hornet 206“, all S/N.
„Mosquito 303“, all S/N.
„Glasflügel 304“, all S/N. exept variant „B“, „C“ und „CZ“
„Kestrel 401“, all S/N.
„Glasflügel 604“, all S/N.
„BS 1“, all S/N.

Compliance:

Action 1, all aircraft
First inspection: Within 30 days after publication,
repetitive: every 12 month

Action 2, all aircraft:
If action 1 with negative result, before next flight

Action 3, all aircraft which have installed a rubber bellows on top of vertical stabilizer:
At latest December 31st , 2011

Action 4¸ aircraft which have no rubber bellows installed or have never been equipped with this bellows, and aircraft equipped with an control rod that has been inspected within the last 24 month before publication of this technical note and have an entry of an authorised service facility in the log-book:
At latest December 31st , 2012

Reason: corrosion of control rod, possible breakage of elevator control rod

Description: Under unfavorable circumstances water could soak in the elevator control rod and cause corrosion. This could lead to breakage of the control rod.

Action: Inspection and replacement of elevator control rod

Action 1: Inspection of elevator control rod:

1. Install horizontal stabilizer, check elevator deflection in accordance with Table1. Note readings. Remove horizontal stabilizer.
2. With horizontal stabilizer removed, lock elevator control lever on top of vertical stabilizer by using a wooden block (150 x 40 x 12 mm) in the „lever-up“-position (control stick fwd.) (see picture1)

CAUTION: Extreme care should be used that the wooden block is correctly installed on both top edges of the vertical stabilizer to avoid damage to stabilizer structure.

3. By using a springscale, apply a force of 210 N for minimum10 seconds to the stick in aft direction. Position the scale above of the trim knob. (see picture 2)
4. After removal of wood block, install horizontal stabilizer.
5. Check elevator deflection i.a.w. table 1. In case of different readings between measurements before and after the pull-test, action 2 must be carried out before next flight.

Action 2,3,4: Replacement of elevator control rod with improved version.

Note: Replacement of control rod (Action 2 to 4) must be carried out by an authorised service facility. Authorisation is required by: Glasfaser- Flugzeug-Service Hansjörg Streifeneder GmbH, Grabenstetten, Germany. See attachment.

Mass and balance: No changes to mass and balance

Note: All materials and instructions for replacement of control rod must be obtained exclusively through:

Glasfaser- Flugzeug- Service

Hansjörg Streifeneder GmbH

Hofener Weg 61

72582 Grabenstetten, Germany

After sending a completed „material request form“.

Note: Replacement of elevator control rod terminates repetitive 12 month inspection.

Picture 1:

Picture 2:

Table 1: Elevator deflections

Type	**Deflection „up“**	**Deflection „down“**	**Tolerance**
Standard Libelle 201b	18°	18°	± 1°
Standard Libelle 203	17,5°	17,5°	±1,5°
Standard Libelle 204	17,5°	17,5°	±1,5°
Club Libelle 205	17,5°	17,5°	±1,5°
Hornet 206	17,5°	17,5°	±1,5°
Mosquito 303	17°	17°	±2°
Glasflügel 304	17°	17°	±2°
Kestrel 401	16,5	16,5°	±1,5°
Glasflügel 604	16,5°	16,5°	±1,5°
BS 1	12°	5°	±0°

Grabenstetten, July the 14, 2011

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Glasfaser-Flugzeug-Service
Hansjörg Streifeneder

EASA-approved: No. .

The German original of this Technical Note has been approved by the EASA
under the date of ……

and is signed by.....

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

Material request form:

Aircraft owner:
Name _____
Street _____
ZIP Code /City_____
State _____
Country _____
Telephone _____
e-mail _____

Aircraft operator: **(if different from owner)**
Name _____
Street _____
ZIP Code /City_____
State _____
Country _____
Telephone _____
e-mail _____

Aircraft Data:
Type _____
S/N _____
Total Time: _____
Total Landings_____

I hereby order to purchase the following kit for the above mentioned aircraft for compliance with this technical note action 2, 3 and 4.

Standard Kit (Improved control rod, self locking nut, tail-wheel housing repair cover, resin and harderner and repair instruction)

Standard Kit plus (Contains all items of Standard Kit, plus required metric wrenches)

Ship to: **Owner** **or** **Operator** **or**
Name _____
Street _____
ZIP Code /City_____
State _____
Country _____
Telephone _____
e-mail _____

Place / date:_____
Name:_____ **Signature:** _____

Fax to: +49 7382 1629 or e-mail to: info@streifly.de