



GFA AIRWORTHINESS DIRECTIVE

TYPE AFFECTED: JANUS, JANUS B, JANUS C, JANUS Ce (TCDS 295)
Ser Nos: 1 to 307.
JANUS CM (TCDS 809) Ser Nos: 1 to 37
JANUS CT (TCDS 809) Ser Nos: 1 to 22
NIMBUS-3D (TCDS 373) Ser Nos: 1, 1/3, 2 to 14.
NIMBUS-3DT (TCDS 847) Ser Nos: 1 to 63.
NIMBUS-3DM (TCDS 847) Ser Nos: 1 to 27.

SUBJECT: Flight Controls:- Elevator control system.

BACKGROUND: A Janus Ce suffered an in flight failure of the elevator control circuit beneath the rear seat. Fortunately the aircraft was able to be safely landed by use of the trim.

DOCUMENTATION: The LBA has issued ADs D-2004-495 and D-2004-495R1. (2004-495R1 was issued to correct an omission in 2004-495). Schempp-Hirth has issued a Technical Note 295-30 / 373-9 / 809-16 847-9 and an Appendix, which are attached & form part of this AD.

ACTION REQUIRED: **ACTION A:** Inspect attachments of the elevator control tube beneath front & rear seats for cracks or damage. If damage is found carry out ACTION B.
ACTION B: At the next Form 2 inspection, but not later than 31st March 2005, modify the control tube attachments.
Both actions are to be conducted in accordance with instructions given in the above Service Bulletin and its Appendix.

WEIGHT AND BALANCE: Not Affected

IMPLEMENTATION: **ACTION A:** Before further flight. **ACTION B:** At the next Form 2 Inspection, but not later than 31st March 2005.

COMPLIANCE: 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.

SIGNED:

CHIEF TECHNICAL OFFICER AIRWORTHINESS



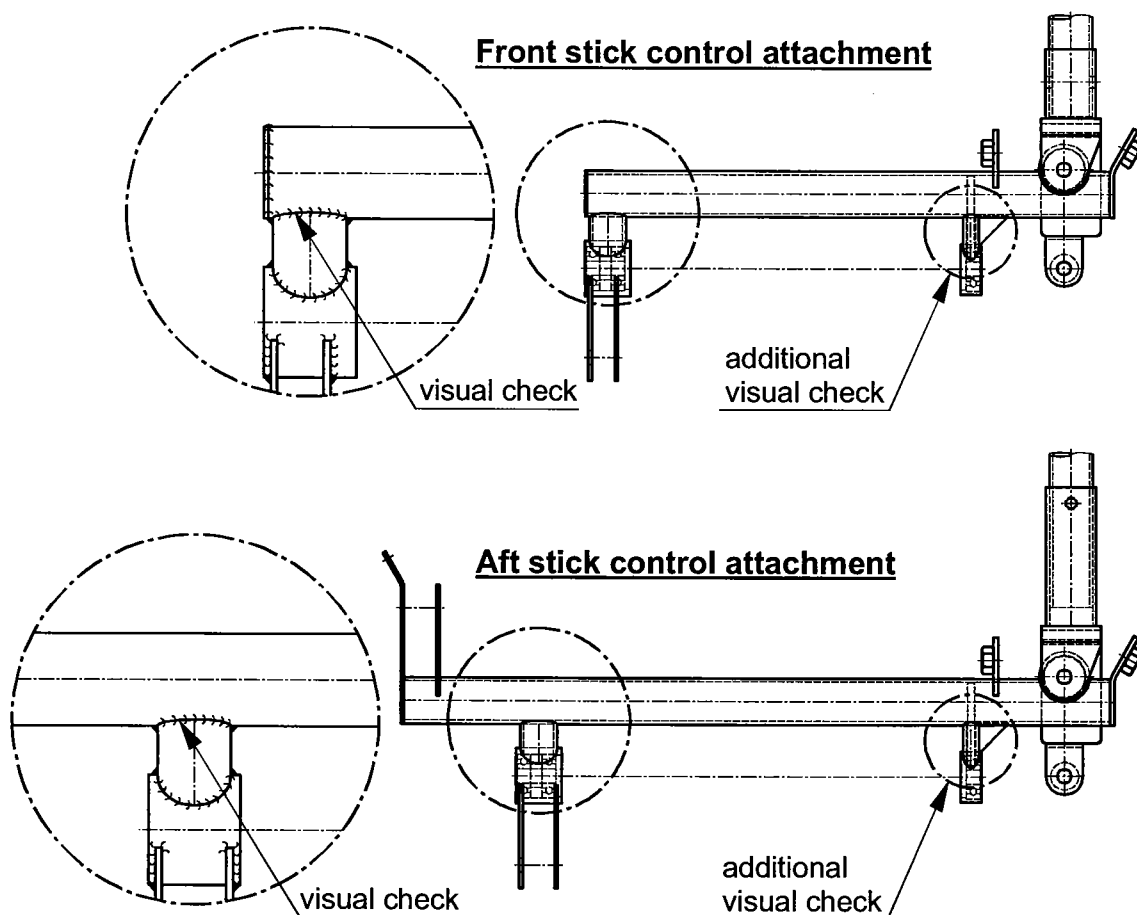
For and on behalf of:

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SCHEMPP-HIRTH Flugzeugbau GmbH. Kirchheim/Teck	Technical Note No. 295-30 / 373-9 809-16 / 847-9	Page: 01 No. of pages: 03
<p><u>SUBJECT:</u></p> <p><u>AFFECTED:</u></p> <p><u>URGENCY:</u></p> <p><u>REASON:</u></p>	<p>Elevator control system</p> <ul style="list-style-type: none"> - Sailplane model (ATC No. 295) Janus, Janus B, Janus C, Janus Ce S/N 1 through 307 - Sailplane model (ATC No. 373) Nimbus-3D S/N 1, 1/3, 2 through 14 - Powered sailplane model (ATC No. 809) Janus CM S/N 1 through 37 - Powered sailplane model (ATC No. 847) Nimbus-3DT S/N 1 through 63 Nimbus-3DM S/N 1 through 27 <p><u>Action 1:</u> Prior to further flights!</p> <p><u>Action 2</u> <u>and the following:</u> On the occasion of the next annual inspection, but not later than March 31st, 2005</p> <p>On a Janus Ce with 5872 flight hours a break of the attachment of the elevator control in the rear seat occurred in flight. The sailplane was further reasonable flyable because the elevator trim system is connected with the undamaged elevator control.</p>	

ACTIONS:

1. The attachments of the stick control in the front and aft seat must be visual checked for cracks resp. damage.



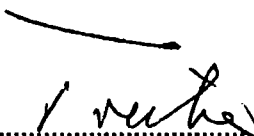
If a damage is detected at the attachments proceed according action 2 and the following.

2. Not reinforced outer attachments of the stick control in the front and aft seat must be reinforced in accordance with the instructions in the appendix.

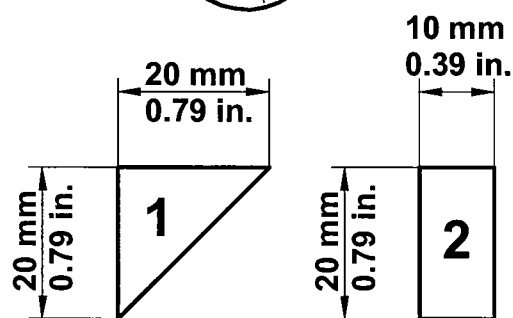
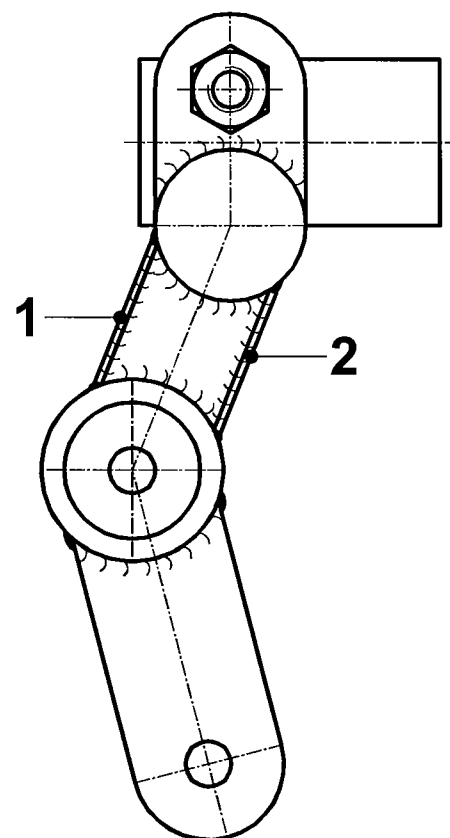
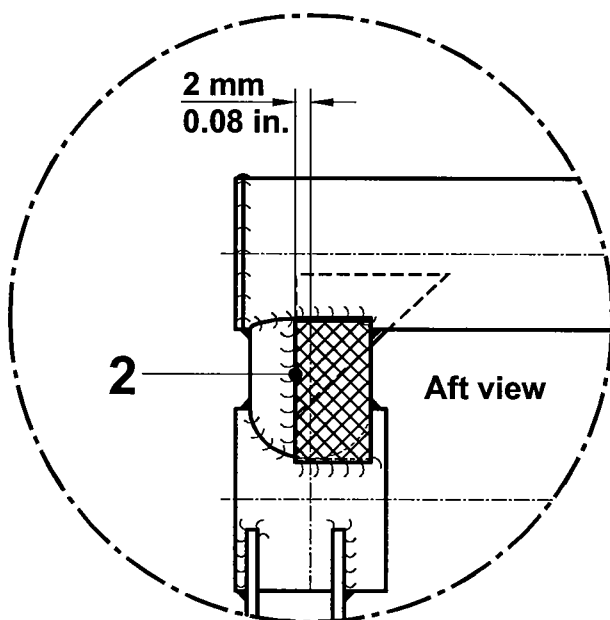
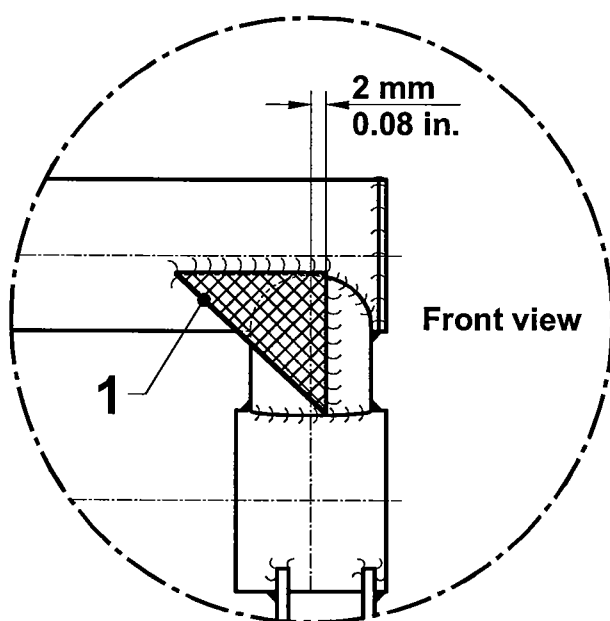
Note:

If the inner attachment is damaged please ask the manufacturer for repair instructions.

3. After the reinstallation of the seatpans the clearance of the stick control system and the elevator deflections have to be checked.

SCHEMPP-HIRTH Flugzeugbau GmbH. Kirchheim/Teck	Technische Mitteilung Nr. 295-30 / 373-9 809-16 / 847-9	Blatt: 03 Blattz.: 03
<p><u>MATERIAL:</u> Refer to the appendix of this Technical Note</p> <p><u>WEIGHT:</u> Alteration negligible</p> <p><u>C/G POSITION:</u> Alteration negligible</p> <p><u>HINWEIS:</u> Action 1 may be accomplished by a skilled person and must be entered in the log book. Action 2 and 3 must be accomplished by a certified repair station and entered in the log book.</p>		
Kirchheim/Teck, 27.09.2004  Issued: (Treiber)	<u>LBA-approved:</u> The German original has been approved by the LBA under the date of.....10. OKT. 2004..... and is signed of by Mr. U. Kopp <u>EASA approved on:</u> under Approval No.: The translation into English has been done by best knowledge and judgement.	

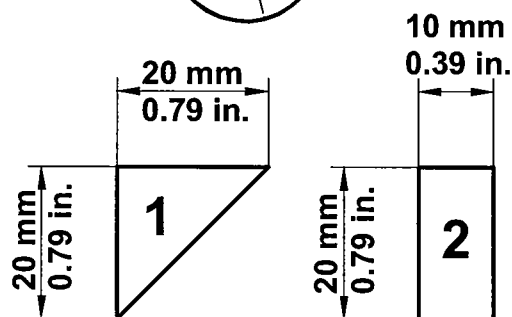
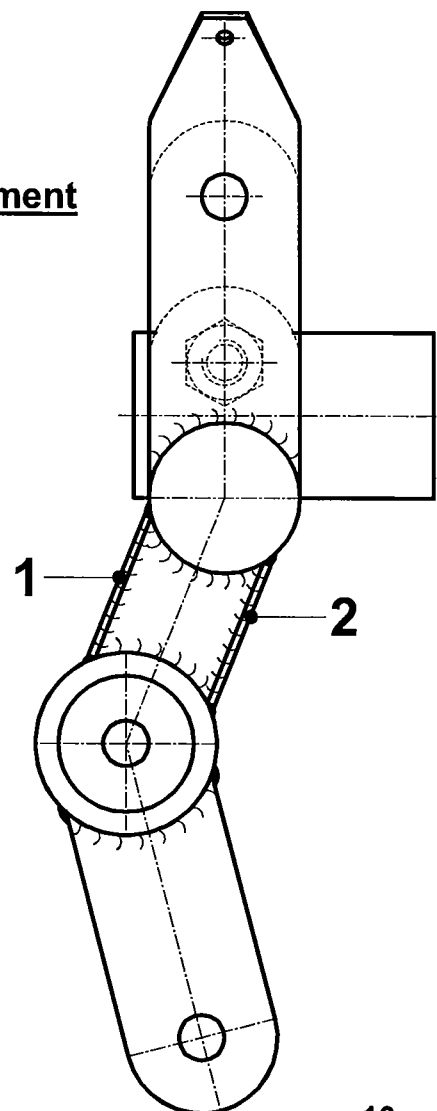
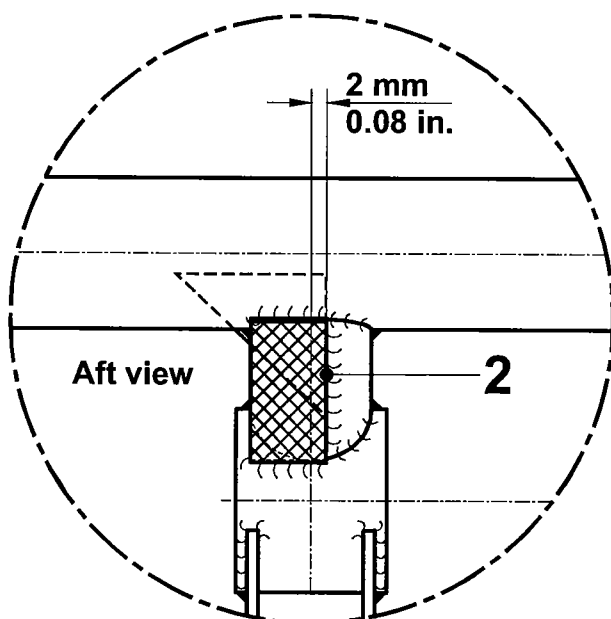
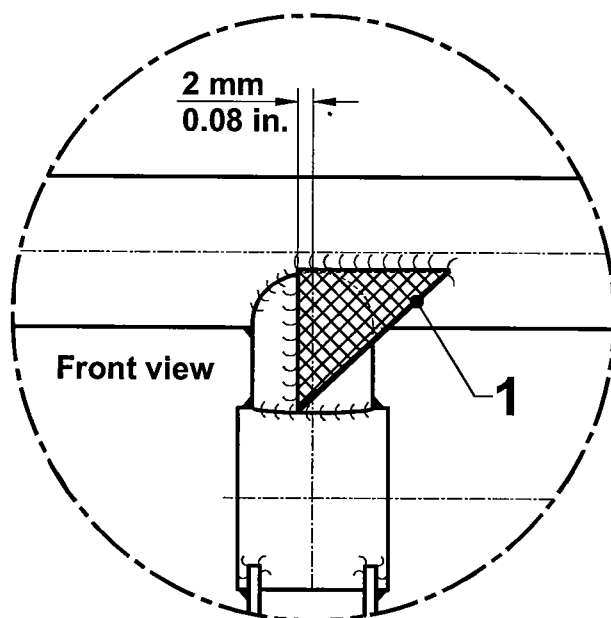
Reinforcement
Front stick control attachment



s=1 mm (0.04 in.)
Steel plate quality: 1.7734.4

Welding procedure: WIG
Welding addition material: 1.7734.2

Reinforcement
Aft stick control attachment



s=1 mm (0.04 in.)
Steel plate quality: 1.7734.4

Welding procedure: WIG
Welding addition material: 1.7734.2