

Subject : Assembly of the horizontal tailplane
Manual revision

Effectivity : DG-1000S, all ser. no.'s

Accomplishment : Dec. 31. 2004

Reason :
1. A user succeeded in assembling the horizontal tailplane without connecting the elevator. A deflector has therefore been designed to prevent false assembly.
2. Manual revision due to service experience.

Instructions :
1. Remove the rod- end 5St94, see MM diagr. 1 (issued Nov. 2001), measure and note the distance between the axis of the brass roller and the upper surface of the counter nut prior to removal.
2. Ship the rod end 5St94 to DG for modification to part 10St97/1.
3. Install part 10St97/1. Check elevator deflections after installation and correct if necessary. Use a new selflocking nut M5 DIN985.8zn.
4. Install the deflector 10St97/2 to 10St97/1 according to drawing 10St97.
5. Exchange the placard on the fin (No. 16 see MM diagr. 11).
6. Manual revision: Exchange the following manual pages against new pages issued May 2004 marked with TN 413/3. Regard the changes.
a) Flight manual: 0.1, 0.3- 2.12, 3.2, 4.3
b) Maintenance manual: pages 0.2, 0.6, diagrams 1 and 11


Material : manual pages see instruction 6
drawing 10St97
10St97/1 modified from 5St94
10St97/2
2 washers 5,3 DIN125 St zn
2 screws M5x8 DIN7991-8.8 zn
selflocking nut M5 DIN985.8zn
Loctite 243
placard for the fin (No. 16 see MM diagr. 11)

Weight and balance : Weight increase 42g, influence negligible

Remarks : Instructions No. 1 to 4 are to be executed by the manufacturer or by a licensed workshop and to be inspected and entered in the aircraft logs by a licensed inspector.

Bruchsal, date: LBA – approved:
April 28. 2004

Author: The German original of this TN has been approved by the LBA under the date of
Dipl. Ing. Wilhelm Dirks 10. May 2004 and is signed by Mr. Blume.

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

Type certification EASA approved on May 19th, 2004 under Approval No. 2004-5235
inspector:
Dipl. Ing. Swen Lehner

