

Subject : Rudder control cables

Affected : Sailplanes model " H 301 Libelle "  
 " H 301 B Libelle "  
 " Standard Libelle 201 "  
 " Standard Libelle 201 B "  
 " Standard Libelle 203 "  
 " Kestrel "  
 " 604 "  
 " BS-1 "

All serial numbers equipped with 2.5 mm (0.098 in.) cables according to DIN specification and having S-shaped guides on the rudder pedals with an outer diameter of 8 mm (0.31 in.)

Reason : Experiences gained during maintenance works in accordance with AD No. 71-10.

Compliance : Not later than Aug. 1st, 1987

Actions :

1. Rudder cables according to DIN specification 655 with a diameter of 2.5 mm (0.098 in.) must be replaced in accordance with AD No. 71-10 if they are worn, twisted, corroded or otherwise damaged and after every 500 flying hours.
2. Rudder cables according to DIN specification 655, 6 x 7, with a diameter of 2.5 mm (0.098 in.) having a hemp core must be replaced by multi-stranded steel cables, 7 x 7, with a steel core and a diameter of 2.4 mm (0.094 in.) according to specification LN 9389 or LN 9374. Cable connections must be made with Nicopress sleeves No. 28-2-G only, supplied by Messrs. The National Telephone Supply Company, Cleveland, Ohio 44103, U.S.A.
3. After accomplishment of the above actions, the rudder cables are to be inspected after every 100 flying hours and at every annual inspection, particularly with the pedals in foremost and aftmost position.
4. This Technical Note must be incorporated into the Service Manual and supersedes the following Technical Notes:
  - 201 - 6 (Std. Libelle)
  - 301 - 27 (H 301, H 301 B)
  - 401 - 10 (Kestrel)

Material: Multi-stranded stainless steel cable, A 2.4 according to specification LN 9389 or multi-stranded zinc plated C-steel cable A 2.4 according to specification LN 9374, to be used with Nicopress sleeves No. 28-2-G and tool No. 51-G-887 (one compression required) or tool No. 64-CGMP ("G"-groove to be used, one compression required) or tool No. 32VC:VG ("VG"-groove to be used, two overlapping compressions required).  
 Cable length for all models: 2 x 3 m ( 2 x 9.84 ft)

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TECHNICAL NOTE NO. 201 - 26 (202, 203, 204)  
301 - 33  
401 - 20  
501 - 4  
604 - 3

C/G Position : No change

Note : Cable connections with Nicopress oval sleeves must be made with the proper tools only and must comply with the "Instructions No. 32", edition April 1972 or later editions (see appendix).

With regard to the thimbles the following must be observed:

Before compressing the sleeve, make sure that it does not rest on the thimble. As the sleeve becomes lengthened during compression, it should also be checked that the cable end protrudes out of the sleeve a little. Furthermore, sharp edges on the sleeve should be removed before compressing it.

After compression the sleeve should not touch the thimble and the cable end should project beyond the sleeve. The thimble must be firmly held by the loop of the cable.

The proper accomplishment of the above actions must be checked by a licensed inspector and must be entered in the aircraft log book.

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