DG Flugzeugbau GmbH
76625 Bruchsal

Technical Note

No. 384/10
No. 873/28

Subject : Rudder pedals

Effectivity : DG-800A all models, DG-800S all models

Accomplishment : None, optional

Reason : To provide more space for pilots with long legs non adjustable rudder pedals have been developed which are located approx. 30mm in front of the existing pedals.

Instructions : Installation of the assembly pedal-holder St131 with pedals 6St123 and cable-terminals 6St124 according to Installation plan 8EP12:

1. Assemble the pedals to the pedal-holder according to drawing St25b (similar to existing pedals), use new nuts M6 DIN985-8.8zn.
2. Slip pedal-holder onto the pedal guide tubes. The locking lever St25/1 and the spring St25/2 are no more needed.
3. After remounting the pedal guide tubes into the fuselage push the pedals to the most forward position. Screw a bolt M6x12DIN933-8.8zn into the nut welded onto the pedal-holder, secure the bolt with Loctite 243. The bolt secures the pedal holder in the most forward hole of the lower pedal guide tube.
4. Shorten the rudder cables so far that they can be installed into the terminals 6St124.
5. Press the cables with thimbles 3mm DIN6889A and Nicopress sleeves 28-3-M Cu.
6. Fix the cables in the forks of 6St124 using the existing bolts and washers, use new split pins 1,6x12 DIN94 zn.
7. Cut off and remove the cable of the pedal adjustment.
8. Screw in eye-bolts M6x16 A048 into the threads normally used for the suspension of the rudder cables. Clip the pedal retaining springs into the eye-bolts and the pedals.

Material : Installation plan 8EP12
pedals 6St123/1 + /2 with cable-terminals 6St124
pedal-holder St131
2 nuts M6 DIN985-8.8zn
bolt M6x12DIN933-8.8zn
2 thimbles 3mm DIN6889A
2 Nicopress sleeves 28-3-M Cu.
2 split pins 1,6x12 DIN94 zn
2 eye-bolts M6x16 A048
Loctite 243

Weight and balance : influence negligible

Remarks : Instructions 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:
January 30. 2004
amended: 22.10.07

LBA – approved:

Author:
Dipl. Ing. Wilhelm Dirks

The German original of this TN has been approved by the LBA under the date of 13. Feb. 2004 and is signed by Mr. Blume.
The translation into English has been done by best knowledge and judgement.

Type certification inspector:
Dipl. Ing. Swen Lehner

EASA approved on 24.Feb. 2004 under Approval No. 2004-1541