DG Flugzeugbau GmbH
Postfach 4120 76625 Bruchsal
Tel. 07257/890

Technical Note
No. 826/40

Subject : Parking brake combined with an airbrake securing device (Piggott-hook)

Effectivity : DG-400

Accomplishment : None, optional

Reason : A parking brake was developed to avoid the necessity to hold the airbrake lever to operate the wheelbrake e.g. when starting the engine on a concrete runway
The Piggott-hook avoids inadvertent deployment of the airbrakes, in case they mistakenly haven't been locked.
The Piggott-hook is combined with a parking brake

Instructions :

1. Installation of parts 2R21 and 8St81/1 according to drawing 2R20.
   a) Remove the screw connection between pushrod 2St11/1 and the rod end of pushrod 2St23/1. Place part 8St81/1 on the fork of 2St11/1 and reinstall the screwed connection. Use a selflocking nut M6 SSN003 and screw M6x24 LN9037, shortened to 18mm. Mount the screw from bottom to top.
   b) Remove the screw connection between pushrod 2St12/1 (maintenance manual diagramm3) and the rod end of pushrod 2St23/2. Replace by a selflocking nut M6 SSN003 and screw M6x24 LN9037, shortened to 18mm. Mount the screw from bottom to top.
   c) Mark and roughen the gluing areas at the fuselage for bracket 2R21 and glasfibre fabric according to drawing 2R20. Glue in the bracket using epoxy resin thickened with cotton flocks. To facilitate the adjustment fix a 6mm plate with tape to the pushrod and let the bracket rest on this plate. Adjust the distance A between pushrod and bracket 2R21 by the epoxy resin (thickened with cotton flocks), if the distance between bracket and fuselage shell is more than 2mm add sheets of wood 5x5mm with the necessary thickness at the marked places in drawing 2R20.
   d) apply 3 layers of glasfibre fabric 92125, 70 x 240mm according to drawing 2R20
2. Exchange the flight manual pages 0.1, 9a, new issue January 2001, marked with TN 323/40.

Material : Fight manual pages see instruction 2
Drawing 2R20
8St81/1
2R21
2 bolts M6x24 LN9037 shortened to 18mm
2 selflocking nuts M6 SSN03
Epoxy resin see list in repair manual
Cottonflocks
Glasfibre fabric Interglas, type 92125

Weight and balance : Influence negligible

Remarks : Instruction No. 1 is 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 2001

Author:
Dipl. Ing. Wilhelm Dirks

Type certification
inspector:
Dipl. Ing. Swen Lehner

LBA – approved:

The German original of this TN has been approved by the LBA under the date of *Feb. 7. 2001* and is signed by *Mr. Blume*. The translation into English has been done by best knowledge and judgement.