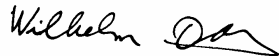


- Subject : Special equipment for very small pilots
- Effectivity Variants: DG-500/22 ELAN, DG-500/20 ELAN, DG-500 ELAN Trainer, DG-500 ELAN Orion, DG-500 M, DG-500MB
- Accomplishment : none, optional
- Reason : To facilitate the operation of the glider by very small pilots 3 different items have been developed, which may be used separately or together.
- Instructions : 1. a) Removable seat back for the front seat: Installation of the seat back according to working instruction No. 1 for TN500/02.
b) The seat back may be adjusted further to the front by part Z198.
c) Remove the head rest from seat (screwed connection) and install a head cushion 8R80/2 to the seat back.
When removing the seat back reinstall the headrest.
2. Airbrake-pushrod with additional handle in front cockpit: Install part 5St69/2 instead of 5St69 according to working instruction No. 2 for TN500/02.
3. Rudder pedal plates for rear cockpit Z197: Clip on to the rudder pedals. Plates may be installed and removed as often as desired.
4. Exchange the following flight manual pages against new pages issued May 2010 marked with TN500/02:
DG-500/22 ELAN, DG-500/20 ELAN, DG-500 ELAN Trainer: 0.1, 0.3, 0.4, 9.1, 9.2.
DG-500 ELAN Orion: 0.2., 0.4, 9.1, 9.2.
DG-500 M: 01., 0.5, 9.1, 9.2.
DG-500MB: 02., 0.5, 9.1, 9.2.
These pages must be amended even if not all instructions will be executed.
- Material : Manual pages see instruction 4.
- Instruction 1: Seat back 10RU169
working instruction No. 1 for TN500/02
seat back adjustment part Z198
2 RIVTI rivet nuts M 6 N0310 steel counter sink head
2 screws M6x16 DIN 965 4.8 BIC
2 cup washers 15 x M6 MS NI NR4157
head cushion 8R80/2
- Instruction 2: Airbrake-pushrod 5St69/2
2 handles S80
self-locking nut M6DIN985-8 zn
split pin 1,5x12 DIN94
working instruction No. 2 for TN500/02
- Instruction 3: Rudder pedal plates Z197 part 1 and part 2
- Weight and balance : Instruction 1: Weight and balance should be carried out without the removable seat back. The mass of the seat back of approx. 1.2 kg (2.6 lbs.) may be added to the mass of the pilot.
Instructions 2 and 3: influence negligible

- Remarks : Instructions No. 1 b), 1 c), 3 and 4 may be executed by the pilot/owner himself.
Instruction No. 4 is to be inspected and entered in the aircraft logs by a licensed inspector at the latest upon the next annual inspection.
- Instructions No. 1 a) and 2:
1. EASA countries: The actions have to be performed in a Part -145 approved organisation, or in a Part M, Subpart F approved organisation according to the regulations of the Part M and released according to M.A.801.
 2. Non EASA countries The actions have to be performed in a licensed workshop. All instructions are to be inspected and entered in the aircraft logs by a licensed inspector.

Bruchsal, date:
June 14. 2010

Author: W. Dirks



Modifications approved by EASA Date 20.07.2010
under Approval No. 10030981