Glaser-Dirks Flugzeugbau GmbH
Im Schollengarten 19-20, 7520 Bruchsal 4
Telefon 07257/89-0, Telex 7822410 GLDG
LBA anerkannter Herstellungsbetrieb IB 25
LBA anerkannter Luftfahrttechnischer Betrieb IIA 279

TN 359/13

Subject: Empty weight C.G. range
Manual revisions

Effectivity: Sailplanes DG-300, DG-300 ELAN
Serial No. 3 E 1 up to 3 E 272

Accomplishment: within 30 days

Reason:

1. When using thin parachutes, there is the possibility, that the pilots position is behind the position used for calculating the present empty mass C.G. range diagram.

2. Manual revisions

Instructions:

1. Using the new empty weight C.G. range diagram and with the data of the weight and balance report and from the table on page 14 flight manual the actual min. cockpit load has to be determined.
If this value exceeds 70 kg (154 lbs.) one of the following measures 1a or 1b has to be executed.

   1a. Enter the new value for the min. cockpit load in the table on page 14 flight manual and in the cockpit placard (No. 12 see diagram 6 maintenance manual).

   1b. Remove or reduce the amount of lead ballast in the tail of your DG-300.
   Therefor remove the rudder.
   After this measure execute a new weight and balance measurement.
   Enter the results into the table on page 14 flight manual.
   Adjust the rudder and secure it properly.

2. Exchange the following manual pages against the new pages issued Febr. 1988.
The changes are marked at the side.

Page	Content and changes
Flight manual	
0	Manual amendments
1	Content - new issue dates
2	" " " "
12	Loading chart - removable ballast supplemented
13	Loading chart - removable ballast supplemented
17	Length of the towing cable changed to 30 - 70 m
25	Wing tanks - text amended
27	Filling the wing water ballast tanks - warning supplemented
29	Service and care - new translation petroleum ether
29a	Service and care - corrected

Page	Content and changes
Maintenance manual	
0	Manual amendments
1	Content - new issue dates
2	" " " "
18	General maintenance - corrections
19	Greasing and oiling - corrections
22a	Reinstallation - new translation petroleum ether
22b	Reinstallation - new translation petroleum ether
24	Pilot C.G. corrected
25	Instrumentation, accessories list -
26	new instruments
diagr.3	Airbrake control - part no. St 11 c corrected
diagr.5	Empty weight C.G. range - new diagram

File the installation scetch 3 ED "instrument pressure lines and probes with M adapter" at the end of the maintenance manual.

Remarks: Instruction 1, 1a, 1b are to be executed by a licenced work shop and to be inspected and to be entered in the aircraft logs by a licenced inspector.

Instruction 2 may be executed by the aircraft owner.

Bruchsal 4, Febr. 1. 1988

Signature: Wilhelm Dirks

Dipl.-Ing. W. Dirks

LBA-approved:

The German original of this TN has been approved by the LBA under the date of Febr. 19. 1988 and is signed by Mr. Skov.
The translation into English has been done by best knowledge and jugdement. In any case of doubt the German original is authoritative.