

Subject: Installation of a c.g. release
Sicherheitskupplung "Europa G 73"
of Mssrs. Tost Flugzeuggerätebau

Affected: Sailplane model DG-300, F.R.G. Type Certificate No. 359,
serial nos 3E 1 up to 3 E 6 included.

Urgency: none

Reason: The first serial nos. of the sailplane DG-300 have been
equipped with the Sonderkupplung "SH 72", which is li-
mited to a maximum T.O.W. of 500 kg (1103 lbs).
Operation with the DG-300 max. TOW of 525 kg (1157 lbs)
is possible only if a modification to Sicherheitskupp-
lung "Europa G 73" is carried out.

Actions: 1. Modifications

- a) Disassemble the tow release Sonderkupplung "SH 72"
with bellcrank R 5a and cable guide plates R 29
- b) Cut off and remove the operating cable
- c) Cut out the tow release bulkheads
- d) Glue in new bulkheads 3 RU 5, 3 RU 6, mounted together
with the safety release "Europa G 73" according to
drawing 3 R 9. Therefore you have to make a cut out
for the release ring muzzle in the fuselage shell first.

Note: Make sure, that there is a clearance between the
ring muzzle bent fully backwards and the cutout of min.
2 mm. Eventually a small cut at the undercarriage-doors
may be necessary. Use resin thickened with cotton flocks
for the glueing procedure.

It may turn out to be necessary to make a cut into the
seat. Repair this area by scarfing and applying 4 layers
of interglas fibreglassfabric 92 125.

- e) After curing at room temperature heat the fibre glass
work 20 hours at 54°C.
- f) Install the new bellcrank 3 R 7 together with the ball
handle R 62 according to plan 3 E K.
- g) Tighten the tow release mounting bolts again after the
heating process.
- h) Check the release mechanism for proper function and
free travel.

2. Exchange the following pages of your DG-300 manual

2.1. flight manual

page 0 - amendments
page 4 - 1.2. description
page 10 - 2.3. placards
page 12 - 2.6. weights
page 15 - 2.8. water ballast
page 17 - 2.9. tow release
page 33 - 6.4. tow release

2.2. maintenance manual

page 0 - amendments
page 3 - 0.4.(a) service time
page 11 - 1.7. tow hook
page 14 - 2.2. regularly inspections
diagram 6 - placard 12

3. Exchange the operating limit placard in the cockpit according to diagram 6 maintenance manual.

Materials:

1. Plans

Plan 3 EK dated 30.03.84
drawing 3 R 9 dated 30.11.83

2. Parts and materials

- a) bulkheads 3 RU 5 and 3 RU 6
- b) tow release "Sicherheitskupplung Europa G 73"
- c) bellcrank 3 R 7
- d) 3 bolts M 6 x 65 DIN 912 8.8zn
- e) 3 self locking nuts M 6 DIN 985.8 zn
- f) cable B 3,2 LN 9374
- g) 2 nicopress sleeves 28-3-M copper
- h) ball handle R 62 yellow
- i) resin and hardener see DG-300 repair manual page 3/6
- k) cotton flocks ca. 50 g
- l) in case fibre glassfabric Interglas 92125 with finish
I 550 10 cm x 25 cm

Empty weight and C.G.: no effect.

Remarks:

1. Plans, parts and materials may be ordered through Glaser-Dirks Flugzeugbau.
2. This modification should only be carried out by the manufacturer or a licensed repair shop and is to be logged in the log book.

Bruchsal, March 26, 1984

issued:



(W. Dirks)

LBA-approved: