



Subject: Inspection and reinforcement of welded parts in the flight control system of the gliders GROB G 103 TWIN II and G 103 A TWIN II ACRO. The following welded parts will be reinforced:

Item	old p/n		new p/n
1	103B-4253	Elev. tab pushrod I	-4253/1
2	103B-4355	Bracket	-4356
10	102C3-4225	Aileron lever I	-4225/1
11	102C3-4351	Aileron pushrod I	-4351/1
12	103B-4405	Airbrake/trim unit front	-4405/1
13	103B-4412	Airbrake/trim unit rear	-4412/1
14	103B-4426	Pedal lever front	-4426/1
15	103B-4427	Pedal lever rear	-4427/1
16	103B-4433	Airbrake rev. lever	-4433/1
17	103B-4435	Aileron lever	-4435/1
18	103B-4436	Lever	-4436/1
19	103B-4451	Airbrake lever	-4451/1
20	103B-4454	Aileron lever	-4454/1
21	103B-4461	Elevator lever	-4461/1
22	103B-4553	Aileron pushrod III	-4553/1
23	103B-4586	Rudder pushrod I	-4586/1
24	103B-4779	Slide	-4779/1

Effectivity: G 103 TWIN II including ACRO s/n

- item 1 and 2 3501 - 3729
- item 10 through 24<sup>3</sup> 3730 - 3878
- item 10 through 20 and 22 through 24 33879 - 34078

Accomplishment: - Instruction 1 prior to the next take-off  
- Instruction 2 by 31 March 1989

Reason: Malfunctions now and then on welded control system parts in TWIN II gliders with the above s/n were the reason for the service bulletin. First, cracks appear in the area of the welds which may lead to a failure in an advanced stage. Therefore, all endangered control system parts will be reinforced through additional gussets as a precaution.



Instructions:

Instruction 1: Inspection of the control system parts for prior damages

- 1.1 The control system parts concerned are visually inspected for any signs of cracks.
- 1.2 If there are no damages, instruction 1 does not have to be repeated until the reinforcement of the control system parts according to instruction 2.
- 1.3 In case of any damages, instruction 2 has to be carried out prior to the next take-off.

Instruction 2: Reinforcement of the control system parts

The control system parts have to be reinforced according to the repair instructions to TM 315-37 by 31 March 1989.

Material:

The material and the repair instructions to TM 315-37 are to be procured from the manufacturer.

Weight and Balance: No effect

Remarks:

1. Instruction 1 can be carried out by a competent person and has to be certified in the log-book.
2. Instruction 2 may only be carried out by an approved aviation welder with a corresponding authorization.  
The proper execution has to be certified in the log-book by an authorized inspector class 3.
3. For the execution of the service bulletin
  - a) the required parts may be dismantled and sent to the manufacturer for reinforcement
  - or b) the material and the repair instructions may be ordered with the attached purchase order.

Mattsies, 22 July 1988

signed i.A. R. Rischer

LBA approved on:

26 July 1988

Datum

ersetzt Ausgabe  
vom

Bearbeitung

Musterprüfer

Seite

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Service Bulletin  
TM 315-37

GROB  
G 103 TWIN II  
G 103 A TWIN  
II ACRO

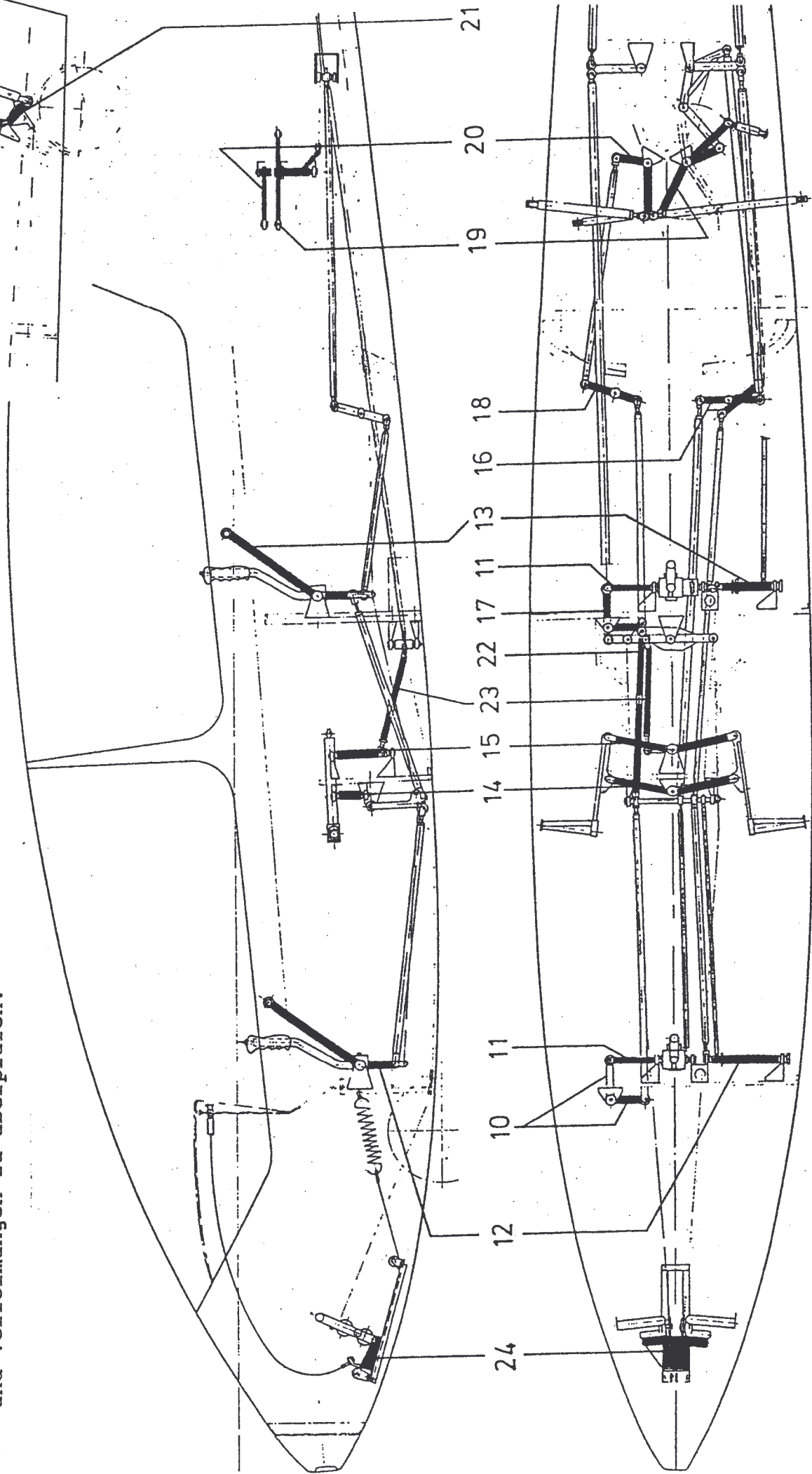
P.S.: In case you have sold your glider meanwhile, we ask you kindly to give this information immediately to the new owner and to let us know his address and serial number.

The translation has been done by best knowledge and judgement. In any case or doubt, the German original is authoritative. The German original of this service bulletin has been approved by the LBA under the date of 26 July 1988 and is signed by Mr. K. Volosciuk.

Datum	ersetzt Ausgabe vom	Bearbeitung	Musterprüfer	Seite 3
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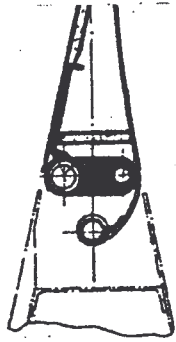
Übersichtsblatt zur Durchführung der Maßnahme 1 von TM 315-37

Die in unten abgebildeter Übersichtszeichnung markierten Steuerungsteile sind im Bereich der Schweißnähte auf Anrisse und Verformungen zu überprüfen.

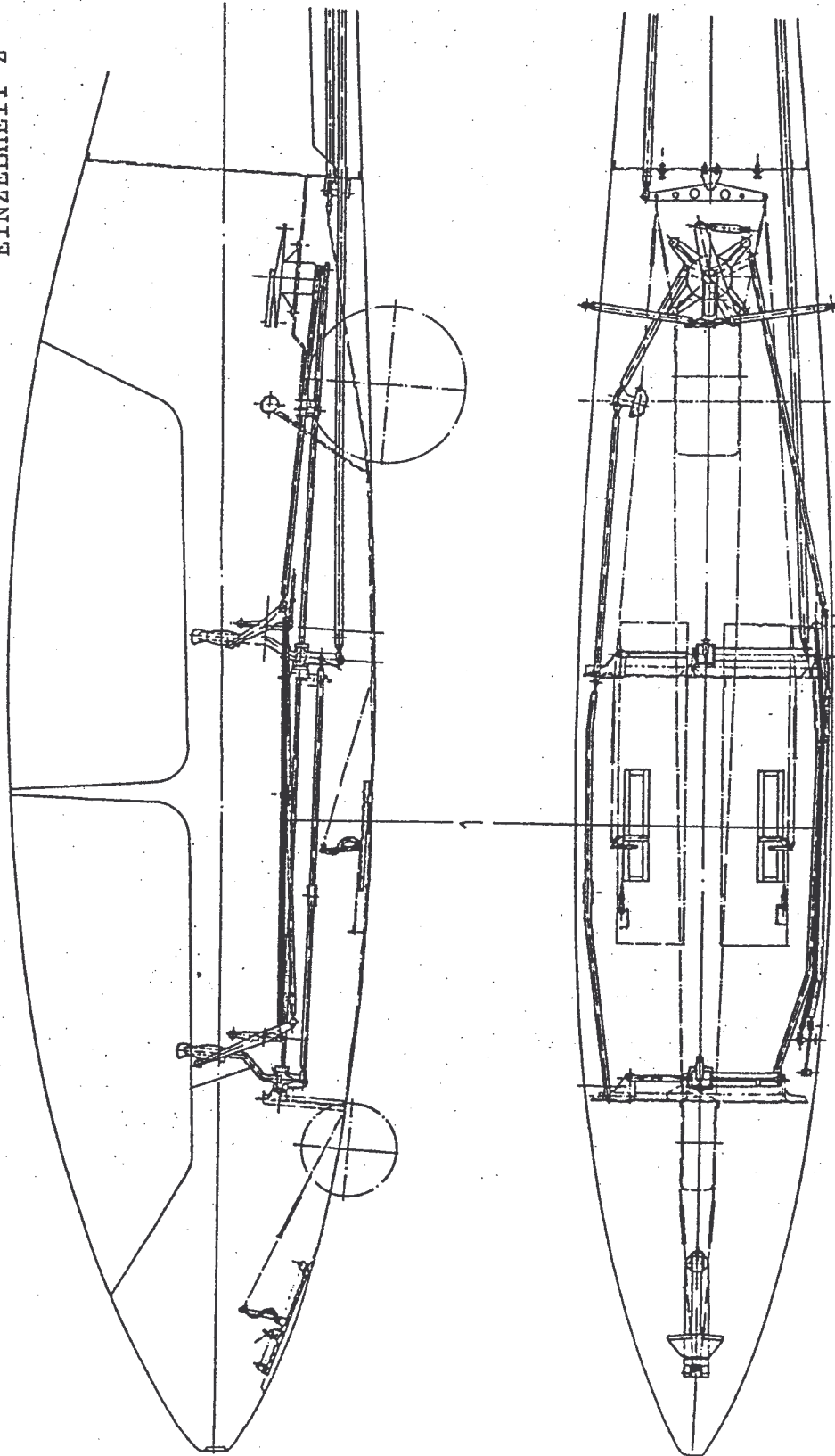


Übersichtsblatt zur Durchführung der Maßnahme 1 von TM 315-37 für Werk-Nr. 3501 - 3729

Die in unten abgebildeter Übersichtszeichnung markierten Steuerungsteile sind auf Anrisse und Verformungen zu überprüfen.



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