

SERVICE BULLETIN No. L 13/019

Sheet 1 of 8

Subject: Modification to the rear rudder pedal levers on the L 13 sailplane P/N 172101 through 172601.

Reason: There was a design change introduced on levers of the above aircraft to improve their operation. This change have had an adverse effect upon the stiffness of this lever.

Description: The levers will be reinforced to increase their stiffness.

Compliance: Recommended within a month after this Bulletin and material required have been furnished. Incorporation of the Bulletin is the responsibility of Operator.

Material-Cost and Availability: Material required will be supplied and any costs incurred will be covered by the Manufacturer.

Material information and Accomplishment instructions on sheets 2 and 3 form an integral part of the Bulletin.

Enclosure: 5 sheets of illustrations

Effectivity of the Bulletin: The Bulletin is effective from 25th June 1963

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State Aviation Insp.

Material information

No.	Qty	Description	Dwg.No.	Material	Size	Note
1.	2	Stiffener	SK-L13-096	30 ChGSA	Sh.3 19x55	
2.	12	Rivet	3x10 CSN 02 2301.0			
3.	3	Cotter pin	1.6x15 CSN 02 1781.02			item 20
4.	1	Cotter pin	2x18 CSN 02 1781.02	K 88		item 16
-	-	Adhesive		K 88	.6 kg	
-	-	Acetone solvent			.25 kg	

Accomplishment instructions

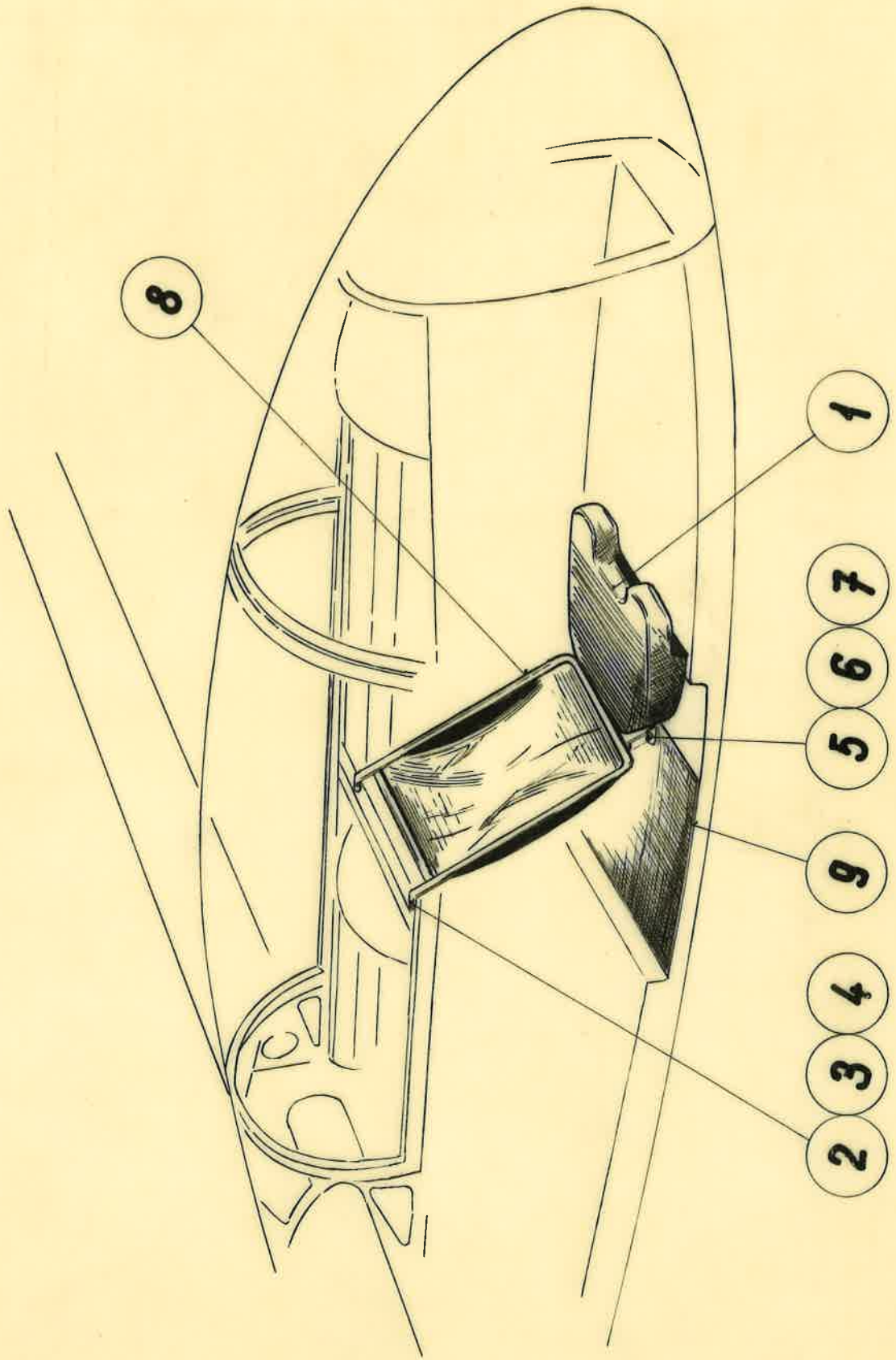
1. Remove front pilot seat item (1) from the aircraft (see Fig. 1), remove bolts with nuts and washers items (2), (3), (4), (5), (6), (7) and front back-rest item (8). Carefully remove the rubber cover item (9) from the floor.
2. Take out bolts item (10) from dustproof collars item (11). Pull the collars upwards and remove bolts with nuts and washers items (12), (13), (14), then remove bolts item (15). See Fig. 2.
3. Remove cotter pins, nuts, washers and bolts items (16), (17), (18), (19), (20), (21), (22), (23) as well as nuts, washers and bolts items (24), (25), (26). Remove the whole control assembly item (27) as well as cover item (28), as shown in Fig. 2. Refer to Figure 3.
4. Remove item (29) to Fig. 4 together with bolts and nuts items (30), (31) and bonding strap item (32). Further remove cotter pins, nuts, washers and bolts items (20), (33), (34), (35) as well as the bolts with nuts items (36) and (37). Pull out the lever item (29). Refer to Fig. 4.
5. Install stiffeners item (38) into levers item (29) as shown in Fig. 5 and drill 6 holes dia. 3.1 mm for rivets into this lever through the holes in stiffener.
6 pieces of steel rivets are to be used for riveting. The rivets are of 3x10 size. Drill a hole dia 4.2 mm into the stiffener according holes in the lever for bonding attachment screw. Refer to Fig. 5.
6. Wash the cockpit floor, control (block) assembly and rubber floor covering to remove adhesive, using a nitrothinner, in order to remove an old adhesive layer.
7. Reinstall the modified levers item (29) on aircraft, insert bolts item (36) and tighten by nuts item (37). Connect the push-pull rod using a bolt, nut, washer and new cotter pin, items: (20), (33), (34), (35). Reattach the bonding strap item (32) using a bolt and nut items (30), (31) - nut to be secured by varnish. Make sure that the push-pull rod fork does not strike the lever stiffener in extreme positions of depressed pedals. Should this occur, the critical surface may be filed off into the depth of 0.5 mm max. and protected by a varnish layer - refer to detail view "D", Fig. 5.

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8. Reinstall the control (block) assembly item (28) and attach it using bolts, nuts and washers items (12), (13), (14), (15). Refer to Fig. 2.
9. Referring to Figure 3 connect the spring using bolt, nut and washer items (24), (25), (26). Then connect the levers by bolts, nuts, washers and new cotter pins items (16), (17), (18), (19), (20), (21), (22), (23).
10. Install the dustproof collars item (11) using bolts item (11)- refer to Fig.2.
11. Apply the K 88 adhesive upon the rubber floor covering and floor. Repeat the same procedure after about 2 hours of drying and then stick the rubber covering to the floor.
12. Install the back-rest item (8) into the aircraft using bolts, nuts, washers items (2), (3), (4), (5), (6), (7) and reinstall the pilot seat item (1). Refer to Figure 1.

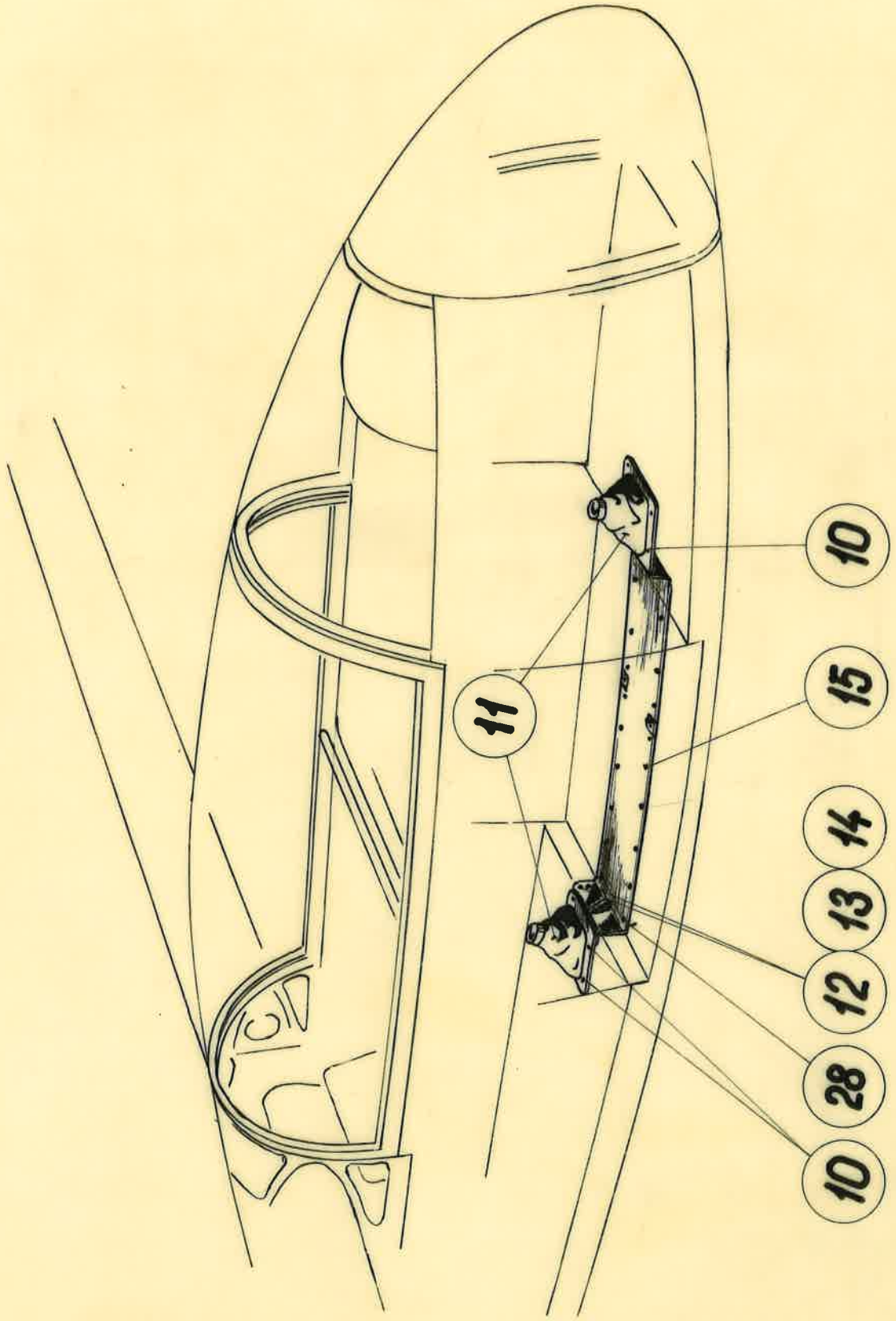
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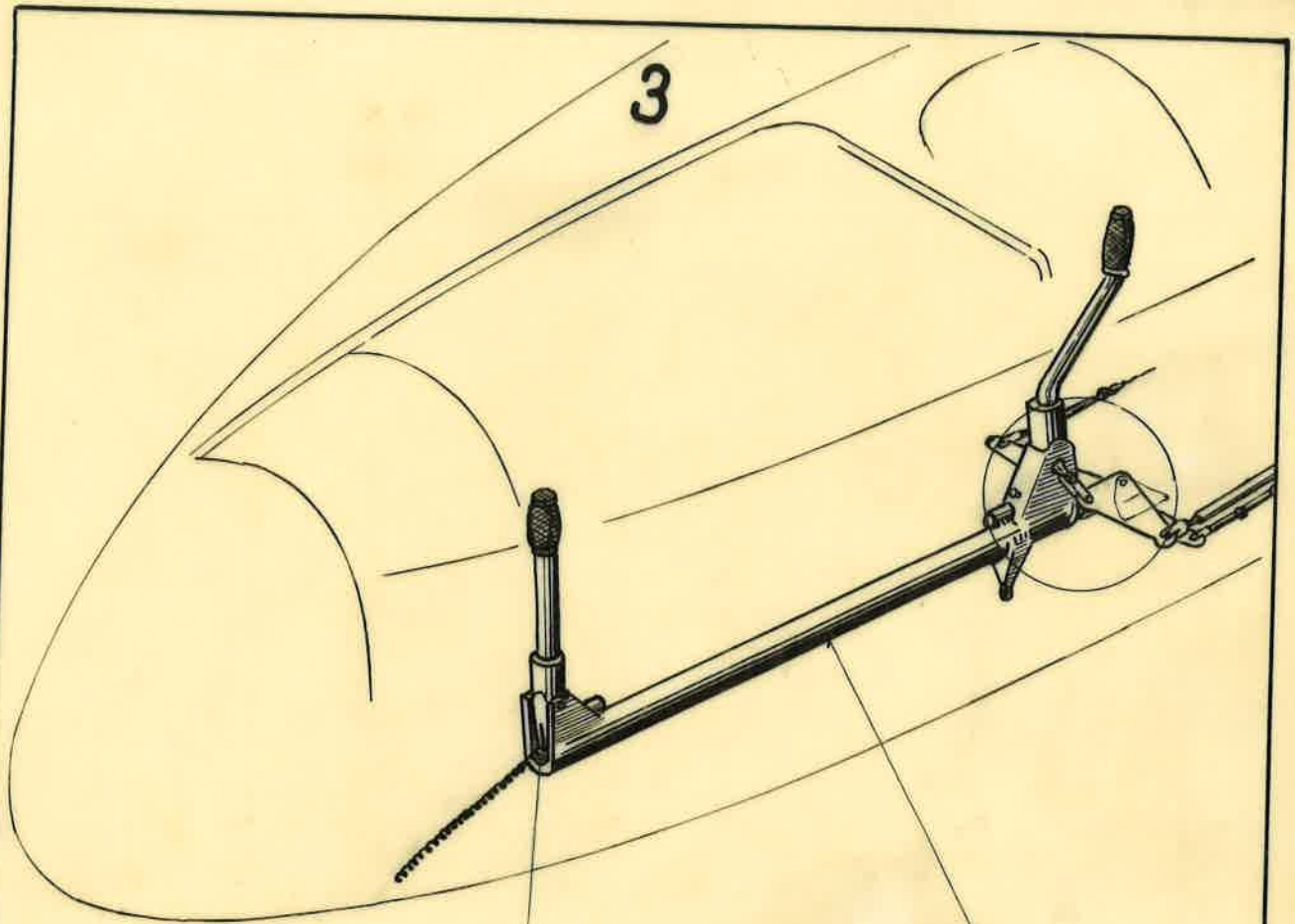
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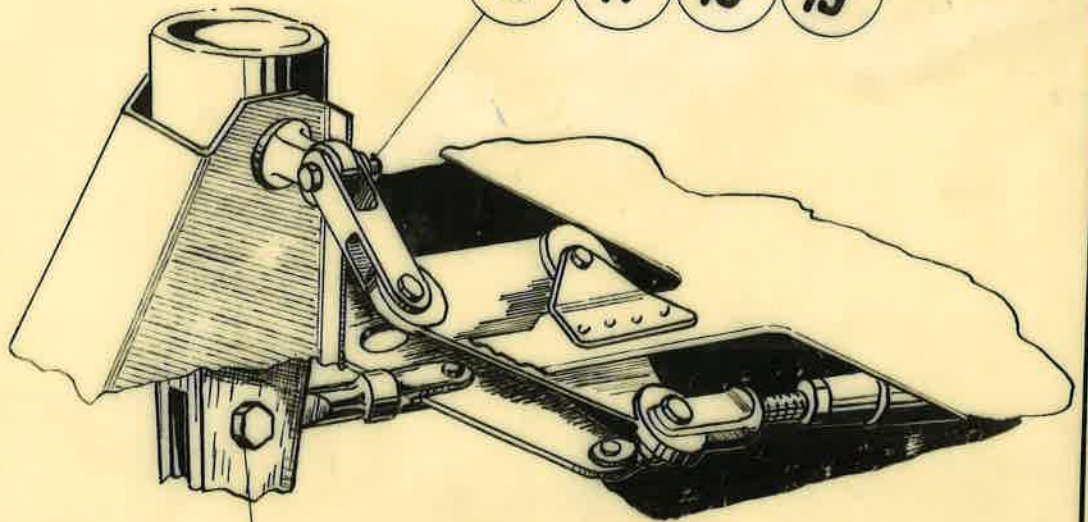
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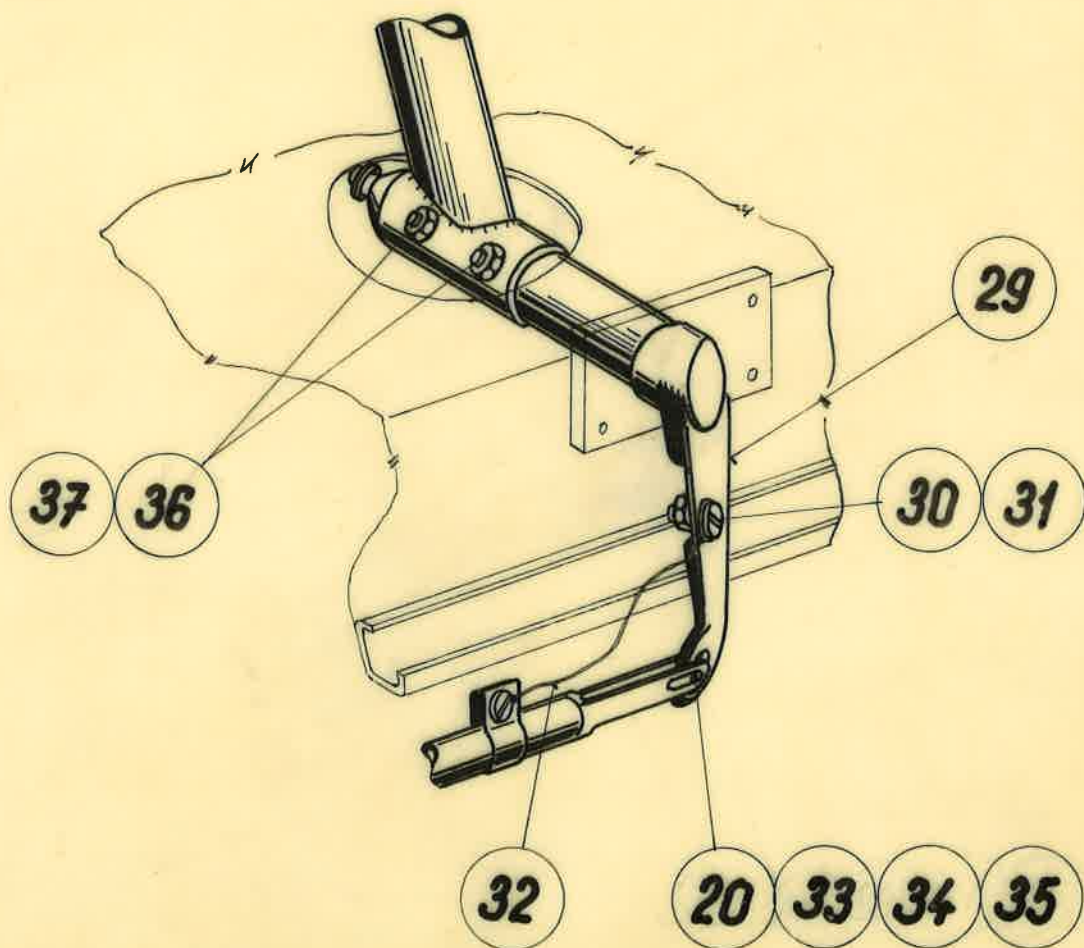
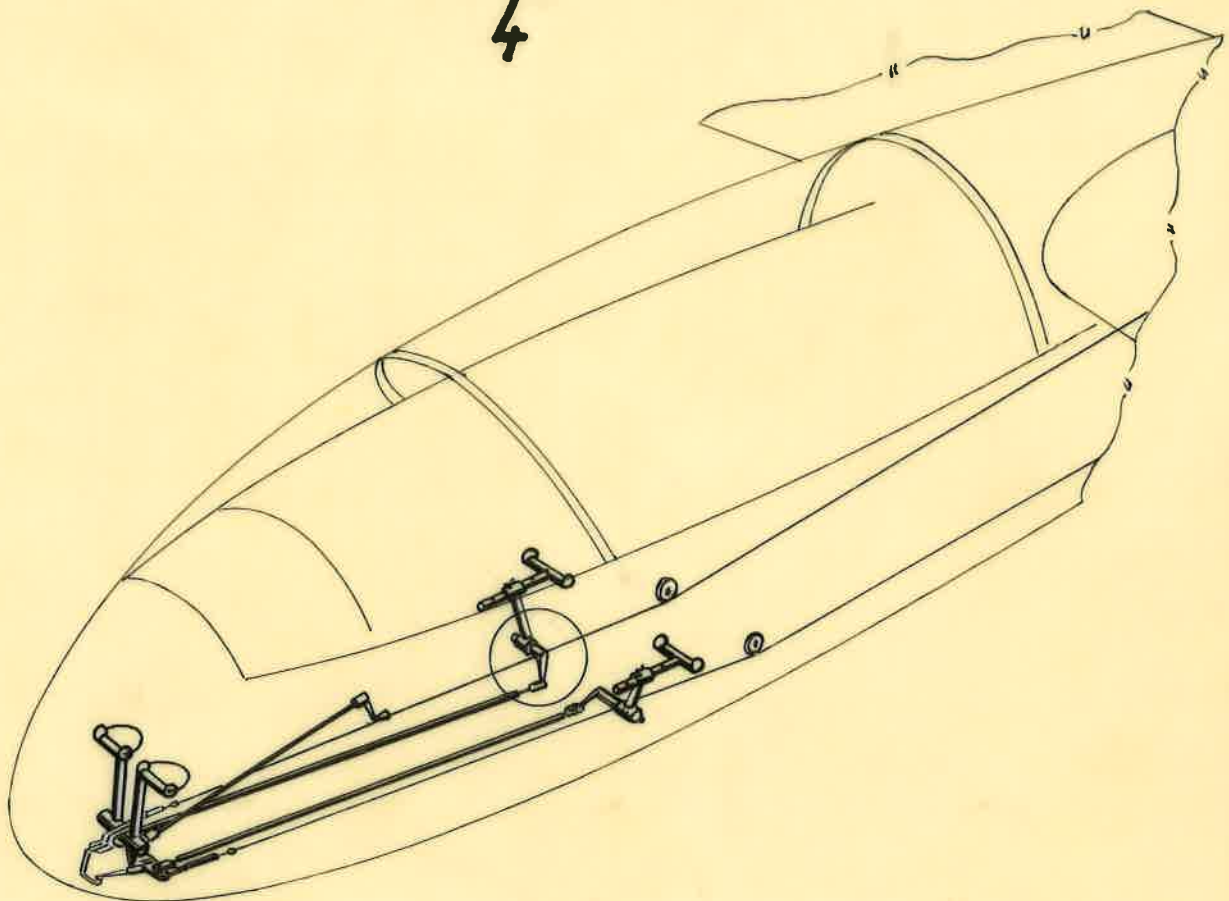
24 25 26 27

16 17 18 19



23 22 21 20

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