



OMNIPOL PRAHA ČESKOSLOVENSKO

Mandatory Bulletin No. L 13/047

Sheet No.: 1
No. of Sheets: 6

Subject: A. The L-13 sailplanes Serial Nos 170101 up to 174730.
B. The L-13 sailplanes Serial Nos 170101 up to 170320.

Reason: A. To increase rigidity of No. 1 bulkhead at the location of tow-rope hinge control-system countershaft bracket.
B. To secure tow-rope hinge control-system countershaft (by means of bolts, nuts and washers) against accidental sliding out of bracket bearings.

Measures: Carry out modifications as instructed in this Bulletin. Repair cracks in No. 1 bulkhead (if any) as instructed in Note 2.

To be carried out: A. By the Operator during next overhaul. Should any cracks be found the bulkhead is to be reinforced and modified according to the instructions given in Note 2 during the next 50-hour inspection.
B. By 30 days after the receipt of this Bulletin and the necessary material.

Costs on accomplishment will be covered by the Operator, costs on material by the Manufacturer.

Material necessary for the modification will be supplied by OMNIPOL FTC, Washingtonova 11, Praha I (for customers outside the CSSR) or by LET Aircraft Works, Uh.Hradiště - Kunovice (for customers resident in the CSSR) on the following conditions:

On Operator's request stating the Serial No. of his sailplane, by 30 days after the receipt of the order. (The Operator can also make the necessary parts by himself according to Fig. 3 and Note 1)

The Bulletin comes into force on 1st March, 1978.

Čáslavský

Manufacturers
Representative

Trkadleček

State Aviation
I Inspection

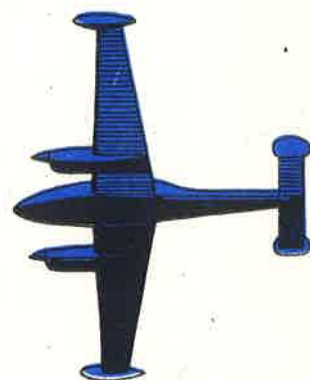
11 January 1978

Ing. Šácha

Customer's
Representative

Houdek

Ministry of
Foreign Trade



LET n. p., UH. HRADIŠTĚ - KUNOVICE

Procedure of Work

Removal of countershaft

- Having unscrewed two screws tilt down the nose cover.
- Remove pins, washers and cotter pins fastening tow hinges control strings and pull rods to the countershaft.
- Remove bolts, nuts and washers attaching countershaft brackets to the bulkhead No. 1. Remove the countershaft with the brackets from fuselage.

A. Reinforcement of bulkhead No.1

- Locate stiffeners (pos. 1,2) on the bulkhead No.1 as shown on Fig. 2. If necessary, fit the stiffeners according to the contour of the bulkhead. According to the screw holes in the bulkhead mark centres for holes on the stiffeners. Remove the stiffeners and rough drillholes dia. 5,8 mm, then ream them together with holes in the bulkhead to the diameter of 6H8.
- Fasten stiffeners on the bulkhead No. 1 using original bolts, washers and nuts.
- According to rough drilled holes in the stiffeners drill holes dia. 2.7 mm, countersink for rivet head (pos.7) and rivet on the stiffeners using rivets (pos.6,7) - see Fig. 2.

B. Securing of countershaft

Fit bolts (pos.3), washers (pos.4) and nuts (pos. 5) as shown on Fig 2.
Should the bolt be difficult to slide in redrill the hole in the countershaft to the diameter of 4.2 mm.

Installation of countershaft

Reinstall countershaft and connect strings and pull rods in the opposite sequence than you removed them. Secure the pins with new cotter pins 1.6 x 10 (ČSN 021781.09.K).

Checking

Carry out functional check of the tow release hook and side hinges. In the open position the pins of side hinges and the hook of the front hinge must not overreach the outline.

Material necessary for the modification

Pos.	Pcs	Description	Dwg/Standard No.
1	1	Stiffener, LH	L 13.807-12.21
2	1	Stiffener, RH	L 13.807-12.22
3	2	Bolt	M4x30 ČSN 021101,24
4	2	Washer	4,3 ČSN 021702.14

Pos.	Pcs	Description	Dwg/Standard No.
5	2	Nut	M4 ONL 3240
6	6	Rivet	2,6x6 ČSN 022302.5
7	2	Rivet	2,6x6 ČSN 022320.5
-	4	Cotter pin	1,6x10 ČSN 021781.09.K

Note 1

Stiffeners (pos.1,2) can also be made acc. to Fig. 3. (left-hand stiffener L 13. 807-12.21 shown only, the right - hand one being its mirror image).

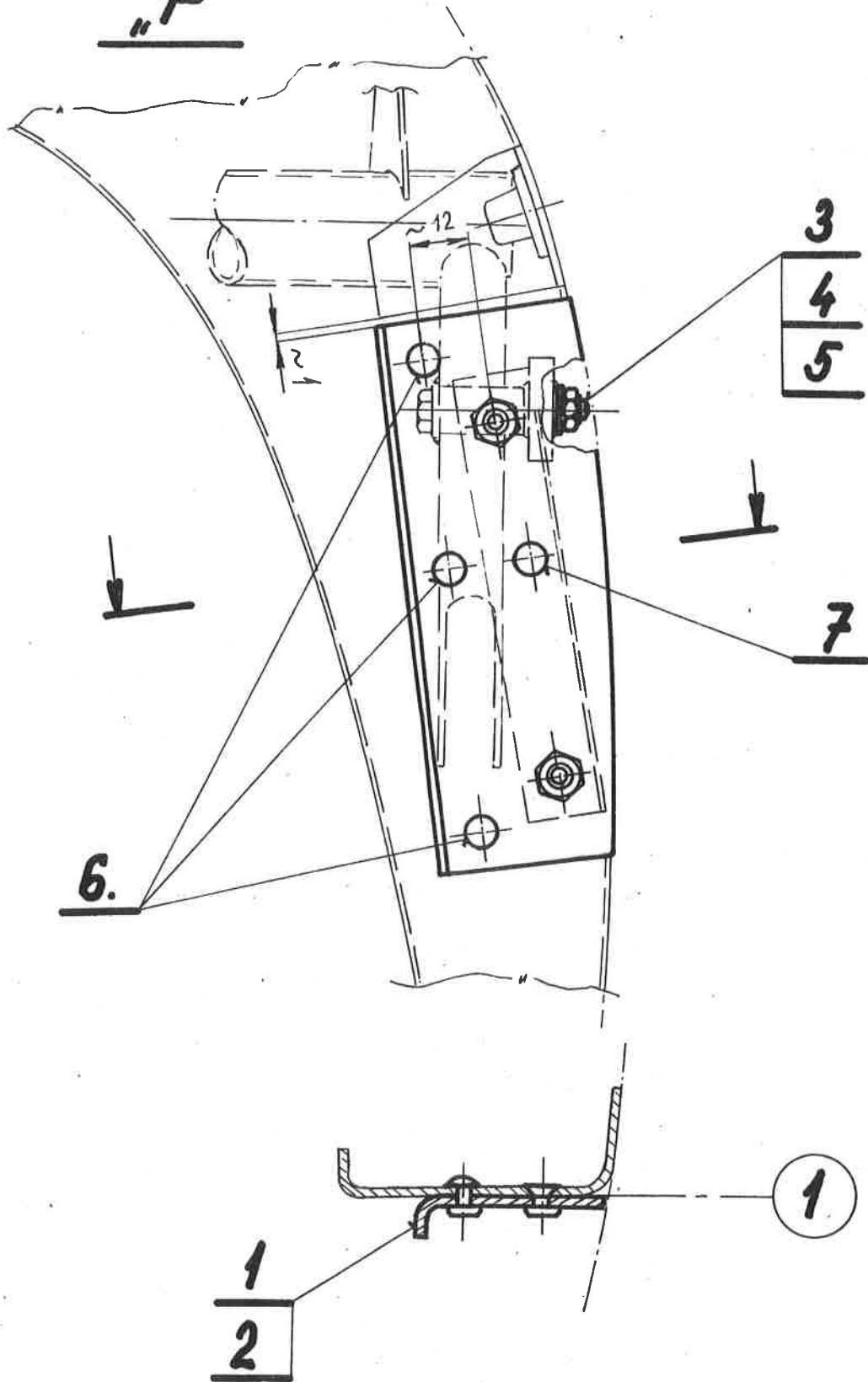
- a - contour of bulkhead No. 1
- b - bulkhead No. 1 system
- c - up to the upper contour of fuselage

Material: 424253.61 - duralumin, tensile strength after hardening 392 MPa (40 kp/mm²).

Dimensions: sheet 1.6 mm thick, size 32x90.

2.

"P"



L13/047	Vypracoval <i>grany</i>	Kontroloval <i>Winkel</i>	Schválil	List: 5
				Listů: 6

