



Comp. Limited Kunovice

Aero

Company Limited Prague Czechslovakia

MANDATORY BULLETIN No. L 23/010a

Sheet: 1
Of: 4

Effectivity: Gliders L 23 Super Blaník, ser. Nos. 897501+897520, 907601+907630, 907701+907730, 917801+917830, 917901+917921.

Reason: During glider operation suspensions of the tail landing gear are damaged.

Carried-out on the basis of users' comments and remarks.

Description:

Tail-wheel landing gear is modified - better sprung now. In series production it has been introduced by the change ZKA 70 154 starting from the glider ser. No. 917922.

Tests - records Nos. L 23.0023.04/91
L 23.0025.04/91

To be accomplished not later than: December 30 1992

To be accomplished by: LET Company Limited Kunovice

Cost covered by: LET Company Limited Kunovice

Material availability: LET Company Limited Kunovice

Validity: May 1st 1992

Manhours: 20 manhours

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Skrášek

Manufacturer

.....
Rolenc

Customer's Representative

.....
Příhoda

State Aviation Inspection

.....
Sovák

OMNIPOL
Company Limited

A. Working Process

1. Jack up the glider tail on a support and dismount both the tail landing gear fairing and the tail landing gear proper.
2. Using a saw, cut off the aft part of the tail landing gear suspension and drill out the 6 rivets (according to the drawing A 790 275 N). Drill the stiffener A 730 441 N and 2 nuts A 730 443 N, shorten side aft angles of the fin post (see drawing A 790 275 N, view A-A).
3. Mount and rivet the parts pos. 1,2,3,4 incl. the nuts pos. 7 and 8. When riveting, use as many orifices left by the drilled out rivets as possible. At the same time turn a groove of 10 mm width from LH bracket side. With respect to the riveted nuts drill two orifices dia 5,2 in the part pos. 5. Drill a hole dia 10,2 into the fin post web. Rivet nuts pos. 9 to the aft side angles of the fin post.
4. Remove the central part pos. 1 from the tail landing gear and mount a new one (see drawing A 750 210 N). Mount dampers according to the drawing. Cut the bottom dampers so that dampers so that the tail landing gear may be slipped over the brackets. If need be, grind the top damper so that the tail landing gear may rotate freely round the vertical axis. Set the tail landing gear.
5. In accordance with fuselage brackets enlarge the recess for tail skid in the tail landing gear fairing, drill 2 orifices for fixing screws (according to the nut size) hem the hole and mount the fairing.
6. File a new transversal groove for balancing support in the bottom fuselage part namely as far as 200 mm behind the levelling point No. 6.

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B. Material Necessary For Modification of a Single Glider

| <u>Pos.</u> | <u>Drawing</u> | <u>Unit</u> | <u>Pcs</u> | <u>Name</u> | <u>Drawing-Standard</u> |
|-------------|----------------|-------------|------------|---------------|-------------------------|
| 1 | A790 275N | pcs | 1 | Front bracket | A 710 710 N |
| 2 | A790 275N | pcs | 1 | Rear bracket | A 710 711 N |
| 3 | A790 275N | pcs | 2 | Stiffener | A 710 713 N |
| 4 | A790 275N | pcs | 1 | Pad | A 710 712 N |
| 5 | A790 275N | pcs | 1 | Shim | A 750 229 N |
| 7 | A790 275N | pcs | 1 | Nut | M5 ONL 3242 |
| 8 | A790 275N | pcs | 1 | Nut | M5 ONL 3241 |
| 9 | A790 275N | pcs | 2 | Nut | M4 ONL 3241 |
| 10 | A790 275N | pcs | 2 | Bolt | M5x14 ONL 3120.24 |
| 11 | A790 275N | pcs | 2 | Washer | 5x0,5 ONL 3271 |
| - | A790 275N | pcs | 20 | Rivet 3x6 | CSN 022302.5 |
| - | A790 275N | pcs | 15 | Rivet 3x5 | CSN 022304.5 |
| - | A790 275N | pcs | 2 | Rivet 3x6 | CSN 022304.5 |
| - | A790 275N | pcs | 2 | Rivet 3x7 | CSN 022304.5 |
| - | A790 275N | pcs | 4 | Rivet 3,5x6 | CSN 022304.5 |
| - | A790 275N | pcs | 2 | Rivet 3,5x13 | CSN 022304.5 |
| - | A790 275N | pcs | 4 | Rivet 2,6x7 | CSN 022320.5 |
| - | A790 275N | pcs | 2 | Rivet 3x6 | CSN 022320.5 |
| - | A790 275N | pcs | 6 | Rivet 3x7 | CSN 022320.5 |
| - | A790 275N | pcs | 6 | Rivet 3x8 | CSN 022320.5 |
| - | A790 275N | pcs | 4 | Rivet 3,5x8 | CSN 022320.5 |
| 6 | A750 210N | pcs | 3 | Damper | 110-012280 |
| 16 | A750 210N | pcs | 2 | Nut M10 | CSN 021402.44 |
| 20 | A750 210N | pcs | 2 | Washer 10 | CSN 021740.14 |

C. Figures

are not needed

D. Supplementary Documents Necessary For the Bulletin

Drawing A 790 275 N "Fuselage Modification" - view of the
tail landing gear
suspension modification
A 750 210 N "Tail Skid" - new tail skid incl.
installation

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E. Necessary Tool

The manufacturer uses its own tool.

F. Spare Parts During Operation

Without any influence

G. Glider Mass

The glider mass is increased by 0,4 kg.

H. Record Into the Airframe Log After Issue of the Bulletin

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"Tail landing gear has been modified".

Date:

Accomplished by:

(legible signature)

I. Accompanying Documentation

Without any influence

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