



THE GLIDING FEDERATION OF AUSTRALIA

GFA AD 424
(ISSUE 1)

GFA AIRWORTHINESS DIRECTIVE

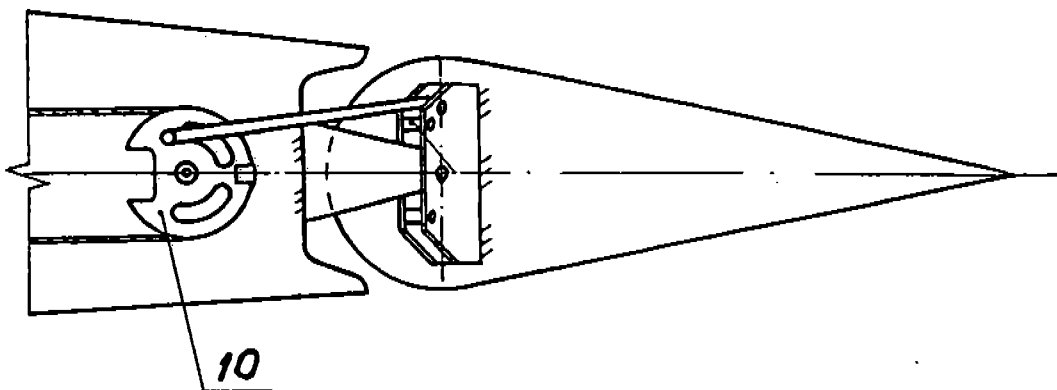
TYPE AFFECTED: KR-03A Puchatek. Serial numbers 01-01 to 03-25.

SUBJECT: Replacement of the pivot for the rudder drive crank and reinforcement of the rear skid mount.

DOCUMENTATION: PZL-Krosno bulletin BE-27/KR-03A/93.

ACTION REQUIRED: Before 30 June, 1994 the pivot for the rudder drive crank (10) must be replaced and the rear skid mount must be reinforced in accordance with the PZL-Krosno bulletin BE-27/KR-03A/93 which forms part of this AD.

FIGURE 1
RUDDER DRIVE CRANK 10



WEIGHT AND BALANCE: Not affected.

IMPLEMENTATION: The requirements of this AD must be incorporated by the holder of a DA 1109 Glider Inspectors Certificate rated "Minor Repairs Metal".

Confirmation that the rudder control circuit has been correctly reinstalled must be performed by the holder of a DA 1109 Glider Inspectors Certificate rated "Inspection for the issue of Maintenance Releases Metal".

COMPLIANCE: The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

SIGNED:

[Signature]
CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

THE GLIDING FEDERATION
OF AUSTRALIA

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WYTWÓRNIĄ SPRZĘTU KOMUNIKACYJNEGO
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APPROVED BY:
Technical Director

[Signature]

AGREED WITH:
General Inspectorate
of Civil Aviation

Date 26.05.1993

BULLETIN NO BE-27/KR-03A/93

Category: Operational - Mandatory

Subject: replacement of the bolt being an
axis of the Complet Sector which
constitute a part of the rudder.
control system as well as
reinforcement of the rear skid s
fixing structure.

Chief Designer

[Signature]

Translated by

[Signature]

Krosno

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WSK

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1. Reason of Bulletin's introduction. The present Bulletin aims removing of designe faults of the bolt, being an axis of the Complet Sector.
Simultaneously, taking into considoration glider operators' proposals as well as recommendations of the Polish Airworthiness Authority the Bulletin introduces reinforcement of the rear skid's fixing structure.

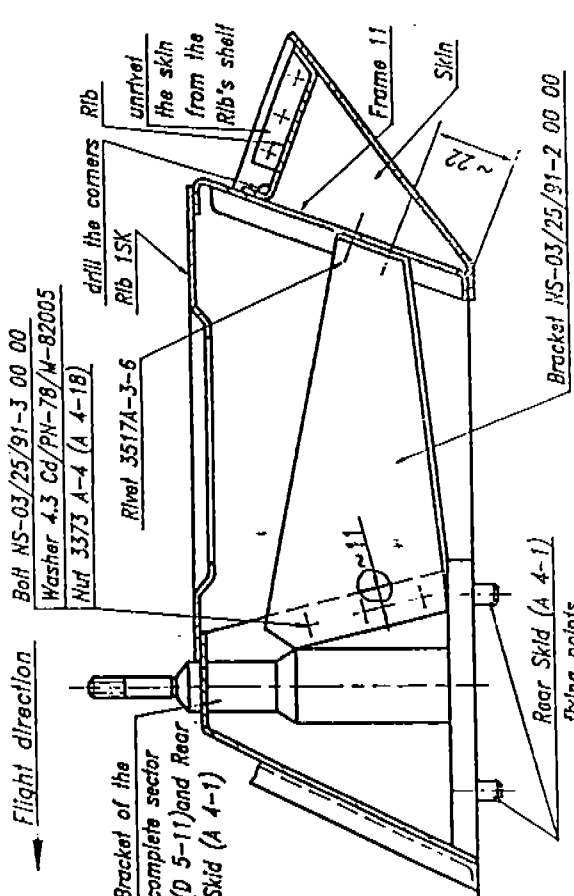
2. Register of glider serial numbers which come within the bulletin:
from 01-01 up to 03-25
The changes required by the present Bulletin had been introduced into the gliders of s/n 01-06, 02-03, 02-12, 03-01, 03-09, 03-12, by WSK "PZL-Krosno" itself before the Bulletin was issued.

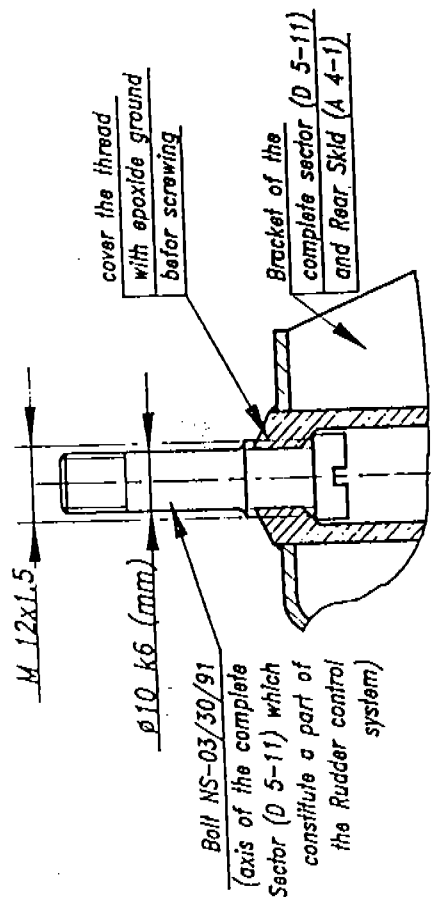
3. Enclosures: Register of spare parts and things needed to put the Bulletin into practice.

4. Destription of the work that is to be done.

Note: Spare Parts Catralogue numbers are given in brackets.

4.1. Remove the Canopy (A3-1), Horizontal Stabilizer (C1-2), Wings (B1-1 and B1-2), Rear Skid (A4-1), Rudder (A6)

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resulting from the reaming should be enlarged by means of a drill of dia. 10.5 mm and then threaded M 12 x 1.5. When reaming and threading the LX-KR-5693N guides' set is to be used. All sharp edges are to be taken off. After the thread is covered with an epoxide ground the NS-03/30/91 bolt is to be screwed down to the stop. 4.5. Place the fuselage on supports in flight position. 4.6. Reinforce the rear skid's fixing structure as shown on the sketch. 		

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4.2. Disconnect the Complete Cable (D5-8) and Special Push Rod (D5-12) from the Complete Sector (D5-11) 4.3. Turn the fuselage upside-down (by 180°) and place it on supports. 4.4. Following the below mentioned procedure and the sketch, replace the bolt with the new one without dismounting the Complete Sector's (D5-11) fitting and Rear Skid (A4-1) from the fuselage structure.  The old bolt should be removed by reaming with a drill of dia. 6 mm starting from the rear skid side. The hole		

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4.8. Set up the Rudder (A6), Rear Skid (A4-1), Wings (B1-1 and B1-2), Horizontal Stabilizer (C1-2) and Canopy (A3-1). 4.9. Check out the tightening of cables, work correctness, movement resistance and stabilization of the rudder control system. In case of necessity adjust the system. Mounting, dismounting, stabilization and adjusting are to be done according to the Maintenance Manual. 5. List of parts and materials needed to carry the Bulletin into effect, please, find enclosed. 6. List of tools, utensils and materials needed to carry the Bulletin into effect is the following: 1. Set of tools of a rigger 2. Set of sleeve guides LX-KR-5693N used for reaming 3. Drills $\phi 2.5$; $\phi 3.1$; $\phi 4.1$; $\phi 10.5$. Diameters given in millimeters. 4. Screw-tap M 12 x 1.5		

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The reinforcement consists in fixing the NS-03/25/91-2.00.00 Bracket to the structure in the rear skid area. In order to have access to fix the bracket to Frame 11 the skin should be unriveted from the shelf of the rib (see sketch). Before bending the Rib upside, the corners are to be drilled with a drill of dia. 4 mm. The Bracket is to be put in throughout the hole of the Rib 1SK. After the reinforcement is completed the Frame is to be riveted to the skin again by means of repair rivets 3549-3.5-6. Make finishing touches with a paint. 4.7. Put the Complet Sector AB.53.008.00.02 (D5-25) instead of the AB.53.008.00.01 (D5-11) one using the Special Push Rod (D5-12) previously taken down from the Complet Sector (D5-11). The nut, fitting the bolt, is to be safeted against unscrewing by pricking (punching) in four places. The Complet Cable (D5-8) and Special Push rod (D5-12) are to be fastened to the Complet Sector as it was done previously, using the same fixing elements. Split pins and self-locking nuts are to be replaced with new ones.		

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9. Final resolution. A note of the Bulletin's introduction is to be written down in glider's logbook. No revisions are introduced into Manuals. Spare Parts Catalogue is to acquire topicality. Glider's mass is not changed. The reinforcement of the rear skid's fixing structure, described herein, was already made in some gliders either when manufacturing or repairing them in WSK "PZL-Krosno", however, the bolts being axes of the Complet Sector were not replaced. The above remark does not concern gliders mentioned in item 2 in case of which the present Bulletin was fully realized. The Bulletin's introduction for gliders of S/N 01-06, 02-03, 02-12, 03-01, 03-09, 03-12 is to be checked out and the introduction confirmation is to be written down in glider logbooks. - THE END -		

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5. Tapholder with an extended handle 6. Driller (straight and angle one) 7. Riveting hammer, rivet headers 8. Clips 9. Dolly bars 10. Epoxid enamel for grounding 7429-659-130 acc.to BN-78/6113-32. 11. Polyurethan enamel (white) 7669-583-010 with the hardener for polyurethan products 8227-752-000. 12. Brushes. 7. Bulletin's introduction. The Bulletin is to be carried into effect by service team of WSK "PZL-Krosno" or other repair shop authorized by WSK "PZL-Krosno". Working hours expected to realize the Bulletin: 7 hours for two persons. 8. Bulletin's introduction deadline. Three months as from Bulletin's approval.		