



AIRWORTHINESS DIRECTIVE

Issue 1

TYPES AFFECTED: Jantar SZD-48 and SZD-48-1 gliders
Serial Nos:-
from W-846 to W-926
from B-985 to B-1064
from B-1095 to B-1124
from B-1135 to B-1274

SUBJECT: Inspection of trim spring system

BACKGROUND: The manufacturer has issued Bulletin No. BR-033/88 "Jantar St.-2" requiring inspection of the pitch trim spring system for possible interference between the spring and FRP seat pan structure.

ACTION REQUIRED:

(1) Before next flight

Inspect the trim spring system, modifying the spring length if necessary in accordance with BR-033/88.

(2) Annual Inspections

During annual inspections the 3mm clearance required between the end of the wire and the seat pan should be checked.

IMPLEMENTATION: This AD to be carried out by the holder of a DA 1109 Inspectors Certificate rated C. of A. inspection any type.

ENCLOSURES: PZL Bulletin BR-033/88

COMPLIANCE: The requirements of this Airworthiness Directive are mandatory. This Directive is issued pursuant to Civil Aviation Regulations under the delegated authority of the Civil Aviation Authority.

Issued by: *A. Burn* Chief Technical Officer,
Airworthiness

For and on behalf of: **GLIDING FEDERATION OF AUSTRALIA**

6.9.1988

Sheet 1 of 1

1. GROUNDS FOR INTRODUCING THIS BULLETIN

During the post-repair test flight of SZD-48 glider the following occurred : the end of trimming-spring /the arm fitted in the "eye" on control column body/ hitched the composite floor of the cockpit /"seating pan"/. In respect to the above according to directions of this Bulletin the inspection should be performed to check that the spring end to floor distance retains the minimum clearance.

2. LIST OF GLIDERS COVERED WITH THIS BULLETIN

This Bulletin covers the SZD-48 and SZD-48-1 glider types having the Factory Nos :

- from W-846 up to W-926
- from B-985 up to B-1064
- from B-1095 up to B-1124
- from B-1135 up to B-1274

3. LIST OF ENCLOSURES

The sketch No Fig 1 is enclosed to this Bulletin

4. DESCRIPTION OF THE INSPECTION PROCEDURES

- 4.1. Take out the cockpit floor /"seating pan"/. Look for the symptoms of the floor being worn by the spring end and for the correct protruding of the spring out of the "eye" on the control column body.
- 4.2. Disassemble the trimming-spring /remove the nut of the fixing screw "control column hinge axle" and remove the above screw for disassembling the control column together with the spring with its fitting/.

4.3. Measure the disassembled spring and check the length of the arm fitted in the "eye" on the control column body /see Fig.1/. The arm length should be 83 mm. If the arm is longer it should be grinded for the correct dimension and the end rounded as shown on the sketch. If the dimension is correct the end should be rounded only.

4.4. Reassemble the total unit. Move the arm of the trimming-spring into its front limit position and pull the control stick "back" and check the distance of spring end to floor /minimum clearance should range 3 mm/ through the opening near the stick.

5. FINAL STATEMENTS

The works performed acc. to this Bulletin should be noticed in the Glider Log Book, chapter "Maintenance Works".

- THE END -

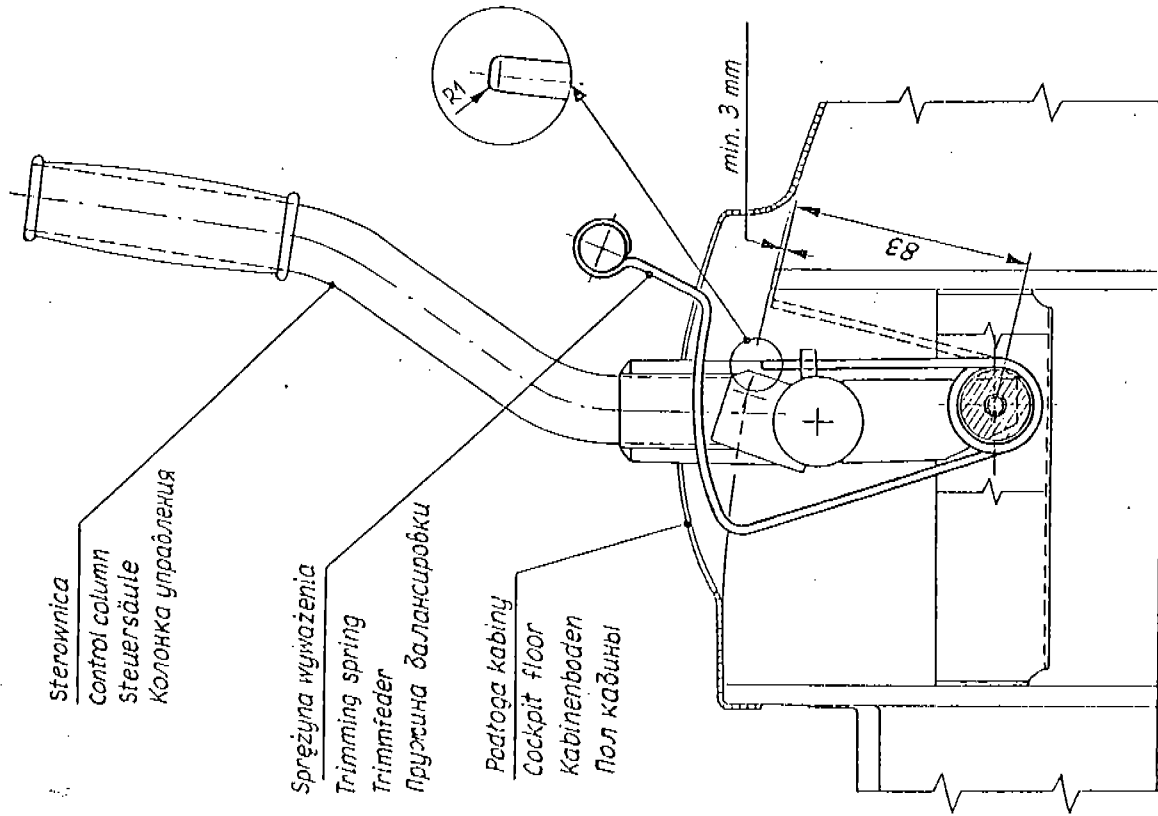


Fig. 1.

BULLETIN No BR-033/88 "JANTAR St.-2"

Ref : Inspection for eventual collision of the trimming-spring and cockpit floor and consequent correction of the trimming-spring arm length /concerns the SZD-48 and SZD-48-1 glider types/.

Way of introducing : Immediately when this Bulletin is received.

Elaborated in PDPS-TKS on 1988-04-20

Director of PDPS "PZL-Bielsko"

J. Borch, M.Sc.

This is the translation of the original Polish text approved by CACA.

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