



THE GLIDING FEDERATION OF AUSTRALIA

BUILDING 130, WIRRAWAY ROAD, ESSENDON AIRPORT, VICTORIA 3041.

AIRWORTHINESS DIRECTIVE GLIDER/POWERED SAILPLANE.

GFA/AD 224

SZD 27

Date 25/11/1981

Issue 2

Sheet 1 of 2

TYPE AFFECTED: SZD Jantar Std. 2 Serial Nos. W-846, W.848, W.852, W.854,
W.857 to W.860, W.865 to W.872

SUBJECT: Change of rudder deflections

BACKGROUND: PZL bulletin BK-01/78 requires reduction in the rudder deflections for the above gliders, to prevent rudder/fin interference.

ACTION REQUIRED:

- (1) Maintenance Release. Endorse the Maintenance Release with the mandatory service limit.
- (2) Changes to Service Manual
 - (a) Add "Page 1A" to list of contents.
 - (b) Change the rudder deflections shown on Fig 1:-

<u>From</u>	<u>To</u>
$30^{\circ} \pm 2^{\circ}$	$29^{\circ} \pm 1^{\circ}$
$148\text{mm} \pm 9\text{mm}$	$143\text{mm} \pm 5\text{mm}$
 - (c) Change Fig. 5 from 32° to 30°
- (3) Changes to the glider.
 - (a) Change the rudder deflections to $29^{\circ} \pm 1^{\circ}$
 - (b) To Fig. 1 on Sheet 2, check the amount of rudder, fin skin, overlap which should be a min of 5mm. If under 5mm the edge of the rudder is to be built up with glass cloth, matching the existing skin thickness, to achieve the 5mm. (Ref. SZD 48 FRP Repair Manual).
 - (c) Check that the corners at the top, L.E. of the rudder are radiused to Fig. 2 Sheet 2.
 - (d) It may be necessary to replace the existing stops with oversize stops. New stops may be available from the factory through the Australian Distributor.
- (4) Log Book.

Full modification details to be entered into glider's log book.

IMPLEMENTATION: This Airworthiness Directive is to be carried out by the holder of an 1109 endorsed C. of A. inspection, FRP.

COMPLIANCE DATE: This Airworthiness Directive is to be incorporated within 25 hours of flight time, no later than the next Form 2 inspection.

COMPLIANCE: The requirements of this AD are mandatory. This Directive is issued pursuant to Air Navigation Regulations under delegated authority from the Secretary of the Department of Transport Australia.

M. P. Burns

M.P. BURNS
CHIEF TECHNICAL OFFICER AIRWORTHINESS
GLIDING FEDERATION OF AUSTRALIA



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Sheet 2 of 2

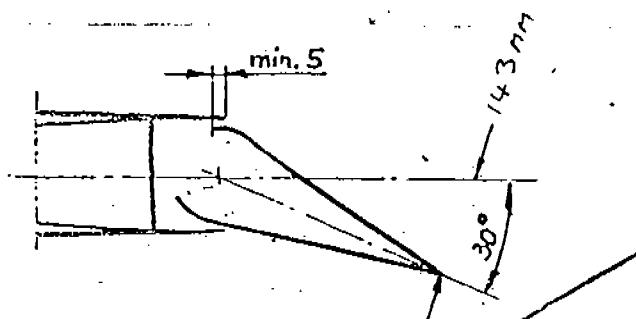


Fig. 1

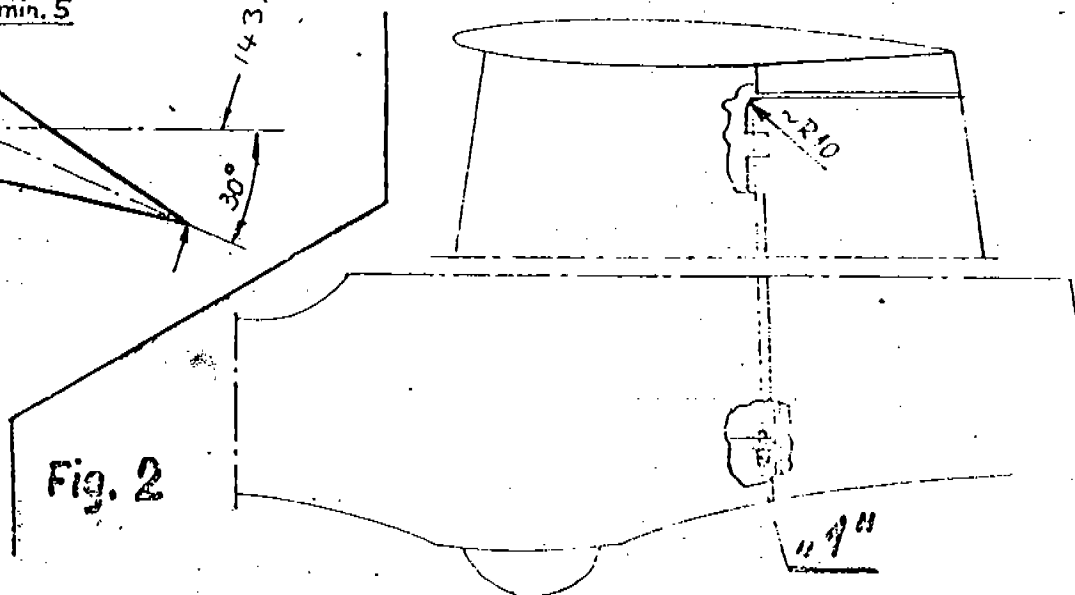


Fig. 2