

THE GLIDING FEDERATION OF AUSTRALIA

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

AIRWORTHINESS DIRECTIVE GLIDERS/POWERED SAILPLANES.

GFA/AD 218
SZD 21
Issue 1
23/11/1981
Sheet 1 of 2

TYPE AFFECTED:-

All Jantar gliders fitted with "T" tails except
SZD-41B, S/No. x-130. SZD-48 S./No. W852
SZD-48-1 up to S/No. B-1158 and SZD49.

SUBJECT:

Reinforcement of the central rib supporting the elevator in
the trailing part of the stabiliser.

BACKGROUND:

GFA/AD 193 limited VNE to 120 kts. I.A.S. pending the outcome
of investigation by the manufacturer into the structural capacity and
stiffness of the centre rib area of the fixed tailplane. G.F.A.
supplied details for one glider to be modified to evaluate the
feasibility of a modification, and the manufacturer has issued
bulletin BA-011/81 detailing their minimum reinforcement requirement.

ACTION REQUIRED:

Lifting speed limitations -

- (1) Without modification:-
Jantar gliders SZD41B, S/No. X-130, SZD-48 S/No. W852
SZD-48-1 up to S/No. B-1158 and SZD-49, limited by
AD 193 may be operated to their normal placarded VNE
without modification.
- (2) By modification -
The remaining "T" tail Jantars must be modified to
allow lifting of the limitation.

Modification details.

- (a) A thorough inspection is to be made of the centre rib area for
delamination. This must be repaired at the same time as the
structure is reinforced.
- (b) The centre section must be carefully prepared by thorough
degreasing and rubbing back with coarse paper.
- (c) The additional reinforcement sections are to be laid in,
following the instructions on Sheet 2.
- (d) When re-assembling the elevators check clearances carefully
in the centre rib area.
- (e) Carry out an Independent control check.
- (f) Full modification details to be entered into the log book.
- (g) Remove the speed limiting placard and sign off the restriction
of the Maintenance Release.

IMPLEMENTATION:

- (1) This modification to be carried out by the holder of an 1109
endorsed for F.R.P. major repair.
- (2) Elevator installation to be inspected by the holder of an
1109 endorsed FRP C. of A.

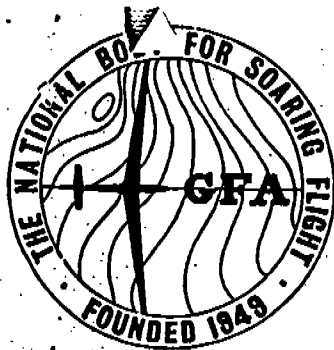
COMPLIANCE:

This Airworthiness 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



THE GLIDING FEDERATION OF AUSTRALIA

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

BULLETIN No BA-011/81 "JANTAR"

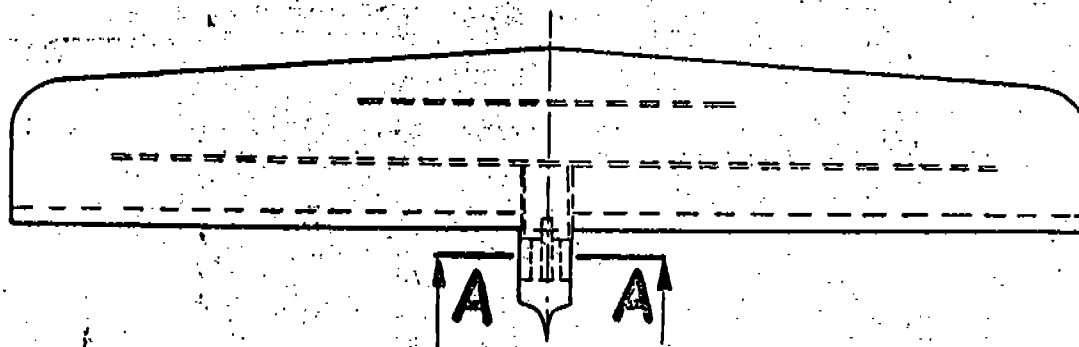
GFA/AD 218

SZD 21

Issue 1

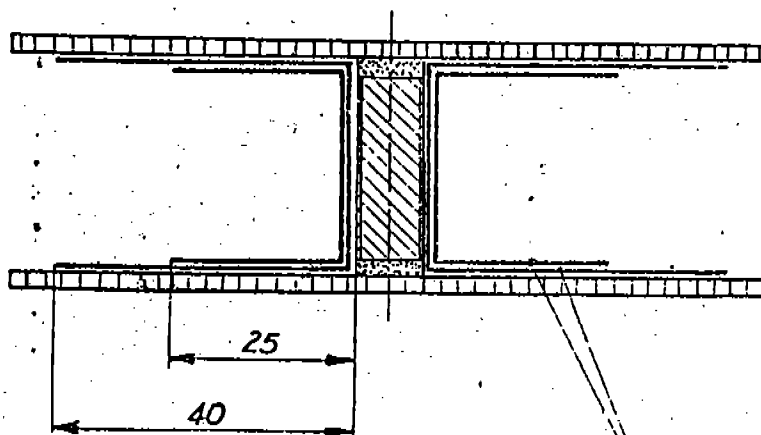
23/11/1981

Sheet 2 of 2



X Reinforcement to extend along the rib as far as possible.

A-A



92110X