

GLIDING FEDERATION OF AUSTRALIA

AIRWORTHINESS DIRECTIVE GLIDERS:

Reference No. GFA/AD/161 GROB 11

GLIDER TYPES AFFECTED:

Grob Astir CS, Astir CS 77, Astir Jeans and Twin Astir.

BACKGROUND:

Further to Airworthiness Directive GFA/AD/120 and 121, supply of ballast boxes as called for in that directive has been delayed but are now available from Australian distributor Laminar Pty. Ltd., 6 Margitich Street, Croydon Park, S.A. 5008. Accordingly compliance date for installation is extended to December 30th, 1979.

REQUIRED ACTION:

Ballast Boxes are to be installed to gliders of the above listed types according to the following instructions:-

1. Remove seat and instrument cover
2. Roll back floor rubber matting.
3. Position boxes in front of alum alloy control column frame. Mark outline of boxes on the frame instrument panel "mushroom" side panels and fuselage shell.
4. Drill 2 holes 6.35 mm dia (1/4") holes through box sides and side panels of instrument panel mushroom (ensure you do not damage cables or instrument tubing inside the mushroom).
5. Clean fibreglass fuselage shell of grey paint and prepare box and fuselage shell surface for bonding then bolt ballast boxes in place.
6. Cover surrounding fuselage cockpit areas with paper or other protective covering.
7. Prepare 50 mm wide strips of Interglas 92125 cloth for three layers as shown in sketch. Measure out sufficient resin epicote 162 and hardener Laromin C260 in the proportions 50 to 19 and mix thoroughly. Pre-impregnate the glass cloth with resin on a clean flat surface then lay up in position as shown in sketch ensuring no air bubbles are entrapped.
8. After the resin has hardened, sand and paint with grey lacquer.
9. Replace rubber matting using contact adhesive.
10. Check for loose items in cockpit or disconnected instrument lines and refit seat.
11. Enter details in the glider's modification log and change weight and balance details.

For Astir CS, CS77 and Jeans add 900 grams at 1 m forward of wing R.L.E.

For Astir Twin add 1000 grams at 1.6 m forward of wing R.L.E.
12. Fix placard in cockpit

MATERIALS:

Trim boxes and ballast weights are available from Laminar Pty. Ltd., 6 Margitich Street, Croydon Park S.A. 5008. State type and serial number with order and state whether glass cloth, resin, hardener and bolts are required.

COMPLIANCE.

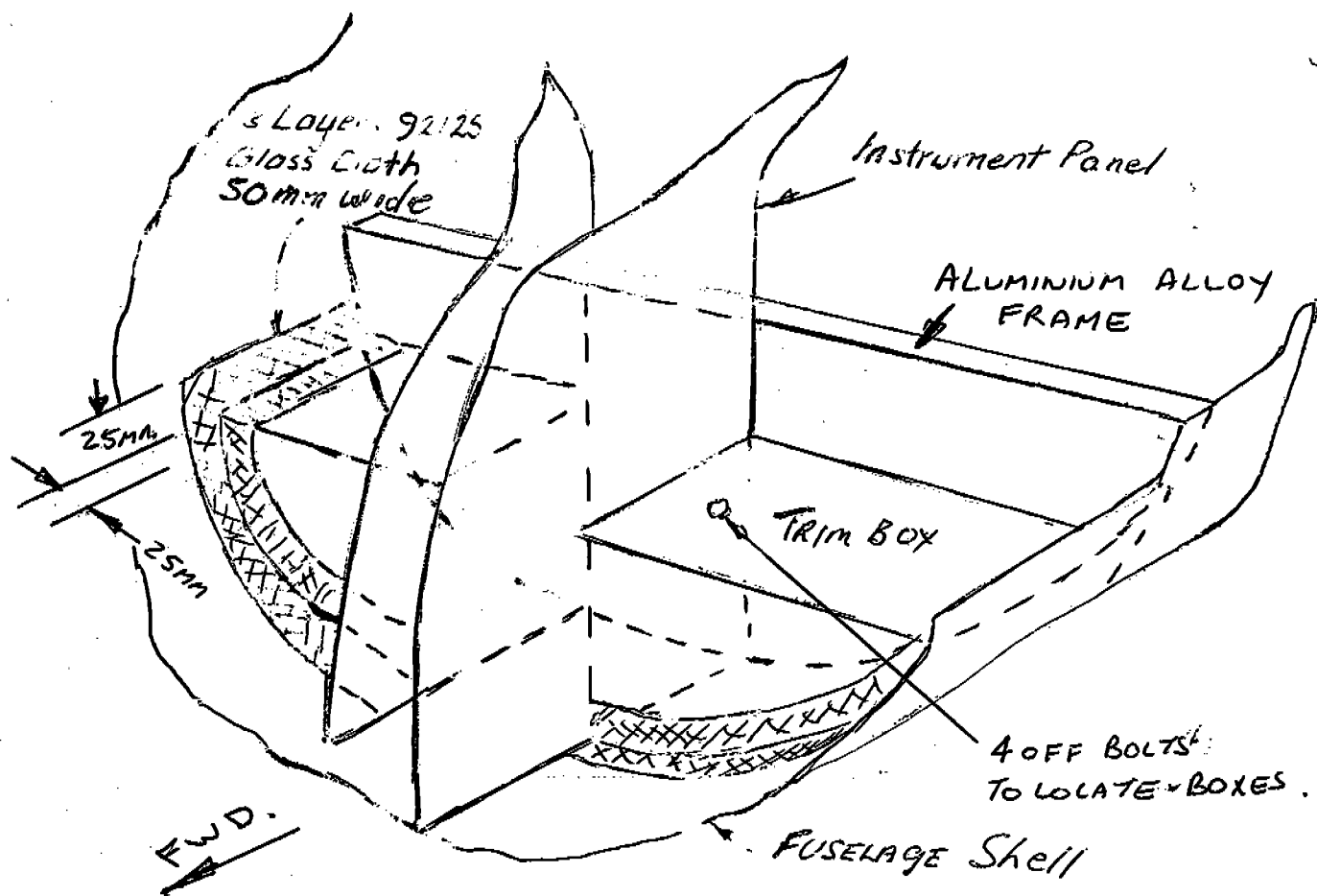
Compliance with this directive is mandatory and may be carried out by the holder of Airworthiness Authority D.O.T. 1109 endorsed for F.R.P. Minor repairs.

This Directive is issued pursuant to Air Navigation Regulations under authority delegated by the Secretary of the Department of Transport.



DOUGLAS LYON
CHIEF TECHNICAL OFFICER AIRWORTHINESS
GLIDING FEDERATION OF AUSTRALIA.

Date of issue: 12th November, 1979



GROB ASTIR CS CST77 & TEARS
TWIN ASTIR