



THE GLIDING FEDERATION OF AUSTRALIA

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

AIRWORTHINESS DIRECTIVE GLIDER/POWERED SAILPLANE

GFA/AD 228

SLINGSBY 21

Issue 1

Date 15.12.1981

Sheet 1 of 2

TYPE AFFECTED: All Slingsby T53B, to later variants of YS 53

SUBJECT: Inspection of attachment of wing centre section to Frame 6.

BACKGROUND: This is a re-issue of GFA/AD 169 (Slingsby T.I. 90) which this Airworthiness Directive cancels and replaces. A failure in fatigue of the brackets which hold the rear span member of the centre section to fuselage Frame 6 has been reported, resulting in the issue of T.I. 100/T53 issued by Slingsby Engineering Ltd.

ACTION REQUIRED:

(1) Immediately before next flight

Remove glass fibre fairing No. T53B-10-1093 and wings if fitted. Using a Dye penetrant crack detection system, inspect for cracks at the corner of the fittings where the attachment flanges begin (a) the welded brackets Pt No. T53B-10-168 issue 1-4 see figure 1 page 2 which holds the rear spar member of the c/s to the fuselage frame 5 and (b) the alternative riveted bracket Pt No. T53B-10-168 issue 5. Also in a similar manner inspect the metal lugs T53B-10-115 and channel section T53-10-118 on frame 6. See Figure 2. Checking for cracks in way of rivets.

If any cracks are found the aircraft is to be grounded. All findings to be reported to CTO/A G.F.A. New components can be obtained from S.E.L. if required as listed above. If there are no cracks the aircraft is cleared for flight.

(2) Each Form 2.

The above inspection procedure is to be repeated at each Form 2 inspection.

IMPLEMENTATION:

This inspection to be completed by the holder of an 1109 endorsed for C. of A. inspection, metal, who must record all details in the glider's logbook.

COMPLIANCE:

The requirements of this A.D. are mandatory. 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



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Slingsby Engineering Ltd.,
Technical Instruction 100/T53

T53 WING CENTRE SECTION JOINTS TO FRAME 6

Figure 1

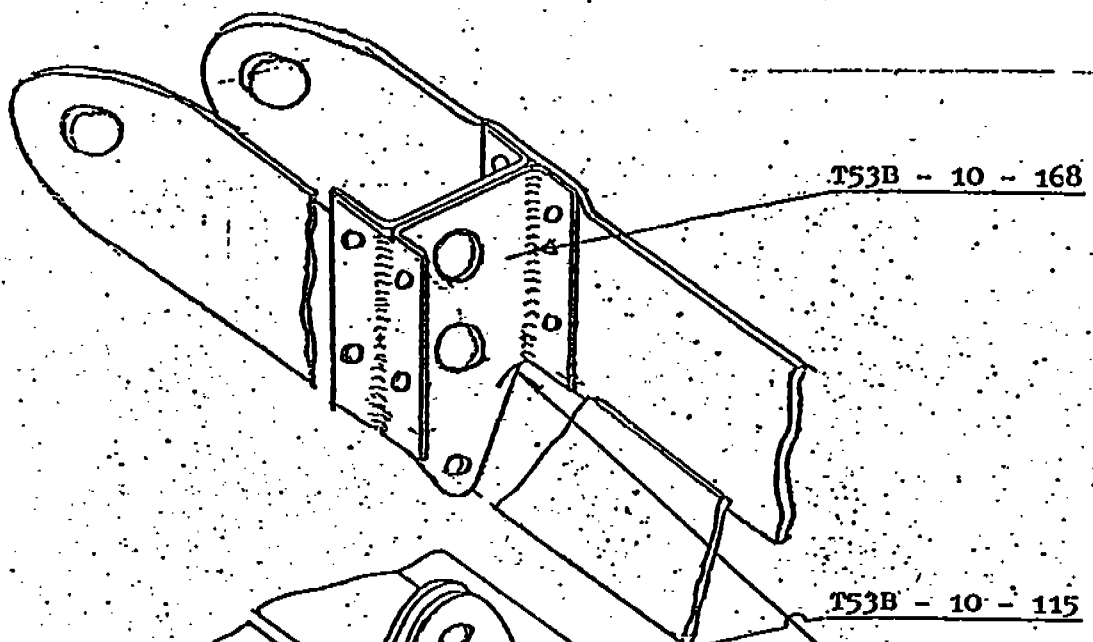


Figure 2

