

COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF TRANSPORT

AIR TRANSPORT GROUP

Airworthiness Directive (Gliders)

GFA/Pilatus 1-74.

GLIDER TYPE AFFECTED

Pilatus B4-PC11 All standard production to Serial No.106 for all gliders with canopy limiting cable fitted with a lock link instead of a snap hook, see Fig. 1.

BACKGROUND:

On initial B4 production the canopy limiting cable is attached with a strap hook which is weak enough to open when the canopy is jettisoned in an emergency. On later models the snap hook is replaced with a lock link (see Fig.1) which is not expected to release the canopy in an emergency.

This Directive introduces a modification of the limiting cable attachment to provide canopy release in an emergency by shearing of brass wire pins at a force of 250-300N (55-60 lbs).

MATERIAL:

Available from Pilatus Aircraft Ltd., free of charge or from any maintenance workshop or equipment supplier.

Material Details

Maker's Part No.	Qty.	Description	Dimensions/Material
112.38.11.042	1	Rivet	Dia. 4 x 28 mm 2117 or 2024
	1	Distance Tube	8mm OD, 4mm ID a 20.5mm 2024 or similar quality
Q	25mm	Safety Wire	Brass 0.8mm (22 BWG)

Tools: Drill 8mm dia. or 5/16" providing distance tube has same outer diameter.

PROCEDURE:

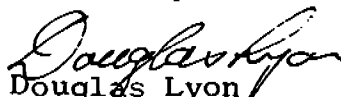
- Disconnect limiting cable by opening lock link and remove canopy.
- Remove cable attachment screw on canopy frame (Fig.1); discard screw and nut.
- Cut out rubber seal around the hole in the frame to approximately 10mm dia. Also cut a slot in the rubber seal lip 4 x 20mm through which the cable is led (see Fig.3)
- Drill out countersunk hole in frame using 8mm drill (or 5/16"). Deburr edges of hole.
- Reinstall cable using distance tube and rivet and secure with 0.8mm (22 BG) brass wire as shown in Fig.2.

NOTE: If material not supplied by manufacturer mark and drill rivet for wire using 1/32" drill.

COMPLIANCE:

On gliders with the abovementioned lock link the limiting cable is to be disconnected before flight until the modification has been completed. The modification is to be carried out before or at the next annual inspection or before 31st December, 1974. Compliance is mandatory.

This Directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Director General of Civil Aviation.

  
Douglas Lyon  
Chief Technical Officer Airworthiness  
Gliding Federation of Australia.

Date of Issue: 12.6.1974.

Distribution:

Registered owners of Pilatus B4 Gliders  
Riley Aeronautics  
Forrester Steven  
D.O.T. Air Transport Group  
CTO/A & Ops. RTO's A  
GFA Secretariat.

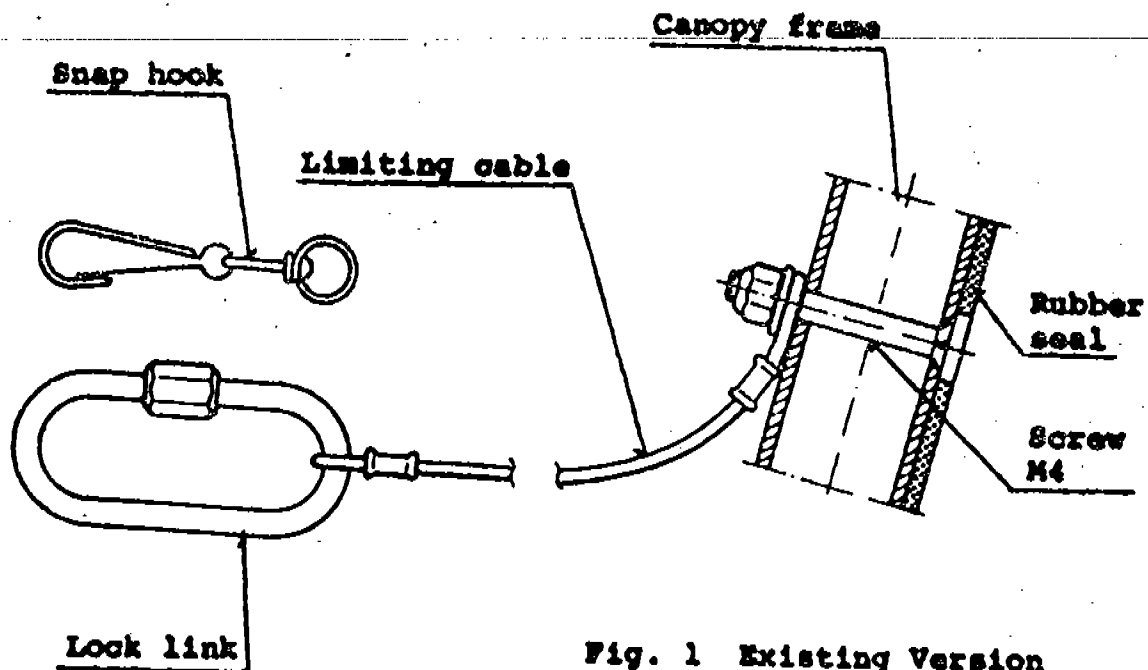


Fig. 1 Existing Version

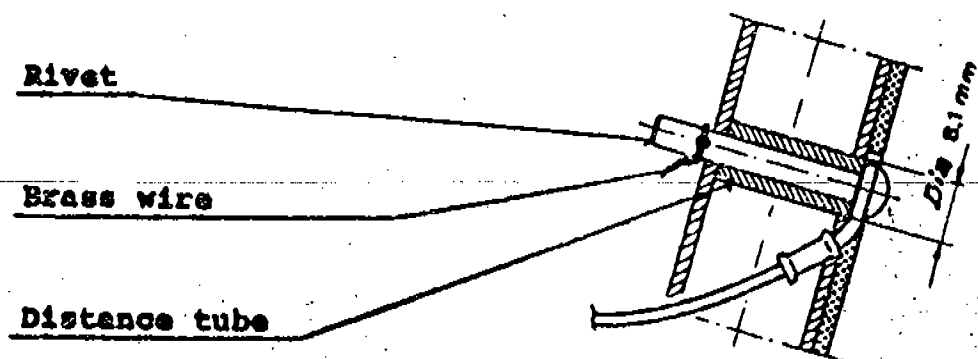


Fig. 2 New Version

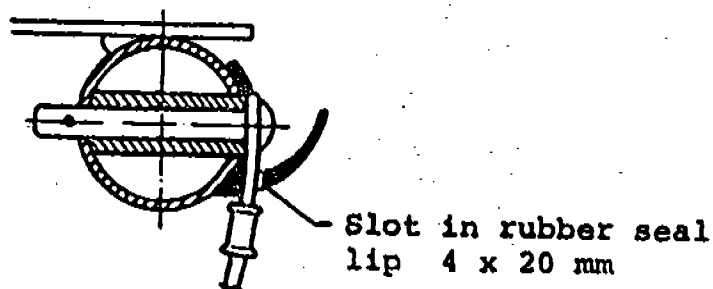


Fig. 3