

JULY, 1971

TECHNICAL INSTRUCTION NO. 43

MODIFICATION OF CANOPY CATCH SPIGOT MOUNTING ON  
KESTREL GLIDER

Modification T.59 - Mod. No. 4

A strengthening of the attachment of the canopy catch spigot to the canopy frame is required

This modification has been made mandatory by the Air Registration Board and is to be completed before the next flight.

Modification Procedure

Preliminary note on the Resin

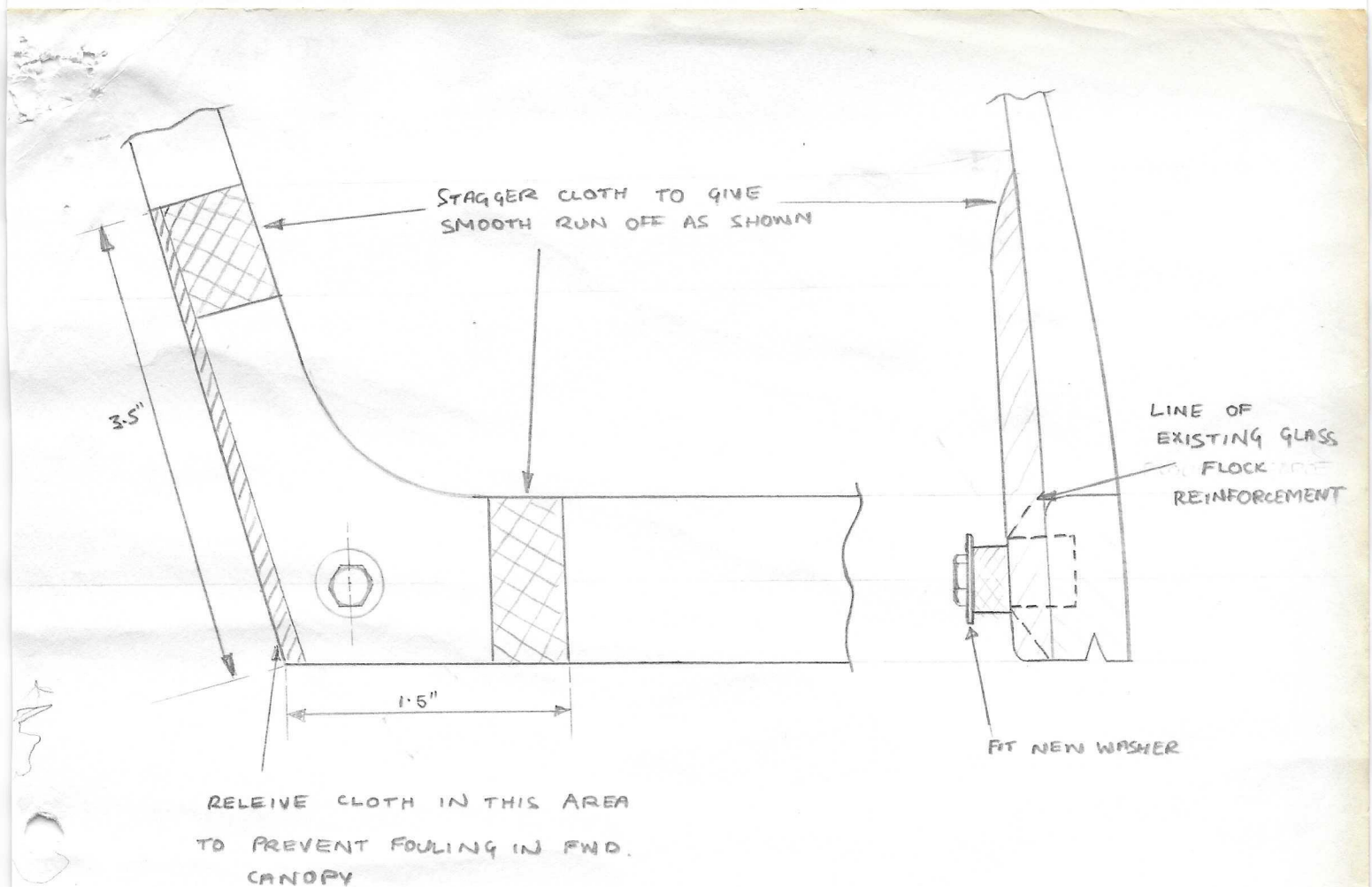
The resin is a two part mix which must be mixed in the proportions supplied that is in the ratio 100:38 parts by weight. It must be mixed thoroughly in the container provided and will then have a pot life around half an hour but this will be shortened if the temperature of the resin is high. Care must be taken when handling the resin and contact with hands kept to a minimum.

Instructions

1. Mask off the area surrounding the repair to prevent damage and resin marks
2. Carefully remove the glass flock around the base of the spigot mounting with a coarse file or chisel (see diagram)
3. Using aluminium oxide paper thoroughly abrade the area to be bonded until it is white all over.
4. Mix up two thirds of the resin in the container provided.
5. Wet the abraded area by painting with resin.
6. Stipple the first layer of cloth onto the frame with the weave diagonal. Use just enough resin to wet the cloth.
7. Stipple the second layer of cloth onto the frame with the weave along the canopy hoop ending the cloth just short of the previous layer.
8. Continue laying cloth alternately as above using just enough resin to wet the cloth through.
9. When the cloth is just to the level of the boss lay the last cloth over all the layup and leave to cure.
10. When the resin has cured about eight hours, the layup is to be smoothed off and any fouling with the canopy ground off the new layup.
11. Mix up the remainder of the resin and paint the area over with a thin coat of resin.
12. Incorporate the washers provided as shown in the sketch.

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<u>Quantity</u>	<u>Description</u>	
2 off	Washer	DOI T59-91
2 sq. ft.	Glass Cloth	Interglass 92125
150 gms.	Resin	Epikote 162
57 gms.	Hardener	Epikure 113
2 off	Mixing Pots	
	Aluminium Oxide Abrasive Paper	



These parts can be obtained from Slingsby Sailplanes, Kirkbymoorside  
York, England.