SIG Rascal 110” renovation, 8

Wing repairs commence!

I 3D printed a template rib and used that to cut out the new rib that was necessary due to the poor state of the original. (The purist might say that I should have put lightening holes in it but I decided against it, a lot of work for little gain). Once cut I stuck it in place and added some filler pieces to the top of the 2 inner ribs as they were too low.

I then cut out the poor repairs on the wing tip and stuck the bits back together to give me the outline to work with.

Reinforcement pieces were added to the new rib.

Whilst waiting for those to dry I had a look at the ‘good’ wing which, if you recall, had a couple of damaged areas caused, I would guess, by a bit of rough handling, let’s call it hangar rash.

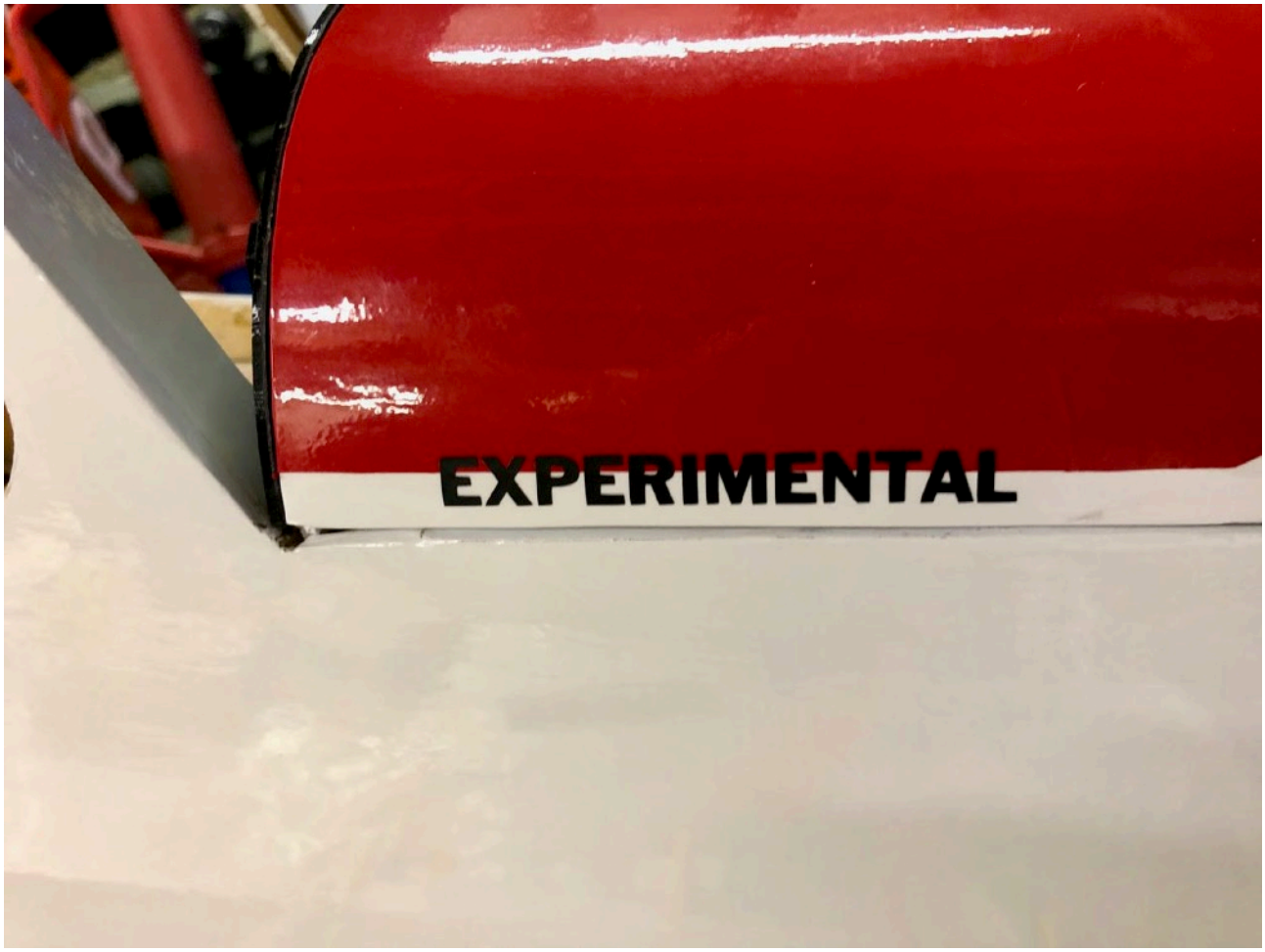
This is what the areas looked like.

So to fix them I drilled holes in the top surface of the wing sheeting to enable me to push a piece of wire through to force the balsa back into place having applied some Aliphatic to the edges first.

This is what they look like now.

Now back to the other wing and this photo goes some way to showing the work required to bring it back up to scratch. You can just see where ribs have, in effect, been cut in 2 leaving the balsa sheeting to provide the strength!

Wing prepared for false TE.

And stuck in place

I knew there was a reason why I left a gap in the red trim on the bonnet