

SIG Rascal 110" renovation, 6

At first look, the wings look to be in fairly good condition albeit the red panels are a bit faded. However it is obvious that, over the years, repairs have been made.



Stripping back the covering on the starboard section revealed a few areas of slight damage, mainly, I would guess, due to rough handling.



Nothing major so I continued to clean up the frame using my small Hobby King heat gun and scraper.





The advantage of this tool is that it is a lot more controllable and less fierce than the large heat gun I used on the fuse.



Next I carried out the same on the port wing but ended up in a much different situation! It is obvious that the Rascal had quite a severe crash at some point in its history, one that, by the looks of it, broke the wing in half just outboard from the root. I suspect that it came in hard onto the wing tip (also damaged) and this caused the wing to shear and was also the cause of the damage to the fuse, just above the windscreen. The following pictures tell the story.





Having removed the covering I then set about cutting out the repair balsa mainly so that I could see 'underneath the skin' to see the exact extent of the damage and the repairs. I ended up with this.



You can see that the TE section, inboard of the aileron has mostly been cut away.



As I have to carry out fairly extensive repairs in this area I have decided to convert the wings to have flaps. Later Rascals are now supplied with flaps so it's more of an upgrade really! I now need to order some more balsa from SLEC as I haven't got any of the correct thickness of the correct grade (hard).

Back in the house I tried my hand at decal cutting using my wife's cutting machine (Silhouette Cameo) and this was the result.

