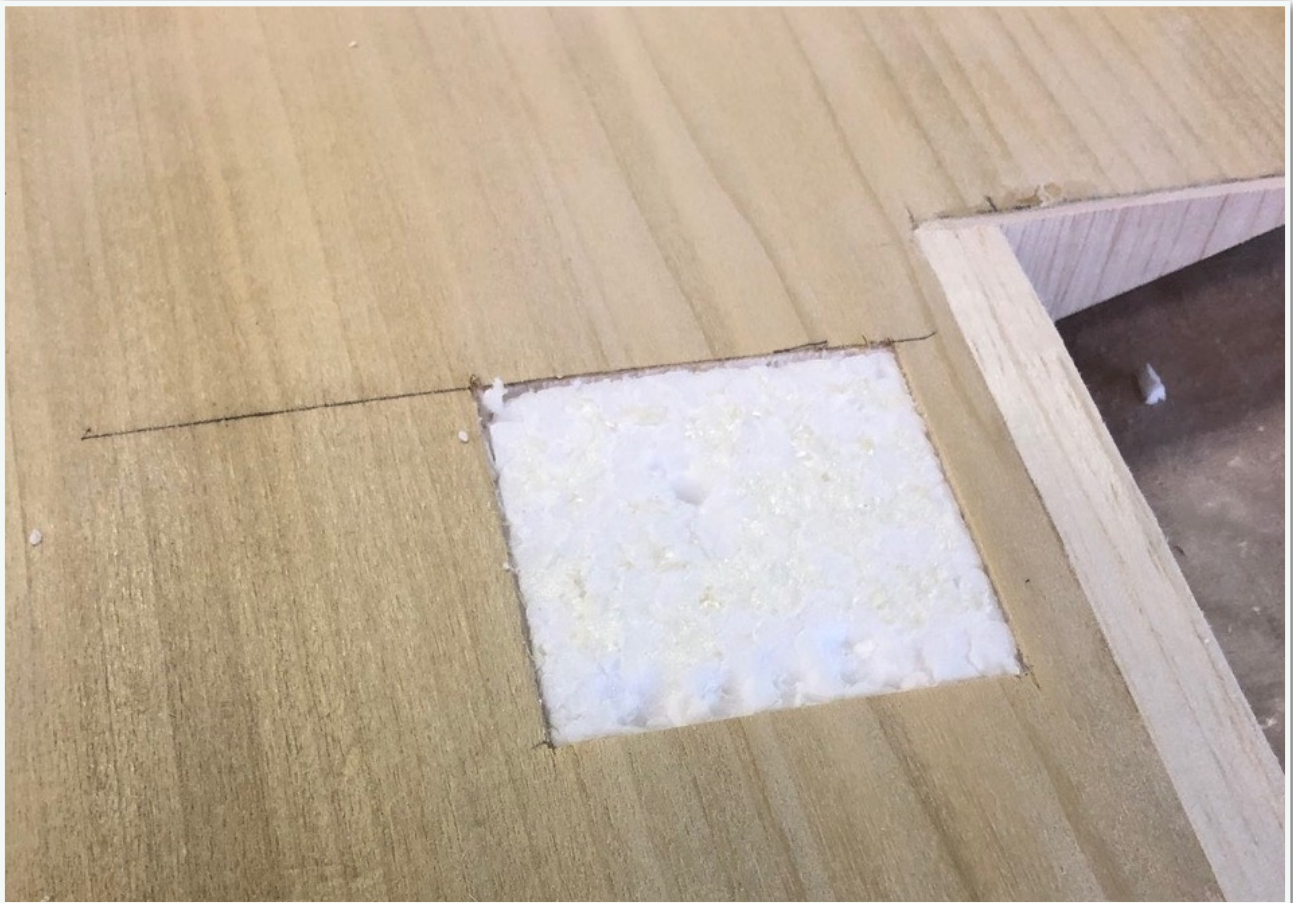


Ron Gray, Lavochkin LA-7 Resurrection, 5

Funny how all those little things take so much time, then you have got to repeat them all on the other wing!

One thing I forgot to include in the last report was the construction of the aileron servo boxes. As per the retracts I first marked out the area where they were to be located, then cut through the veneer and cut out the foam using the soldering iron foam cutter.



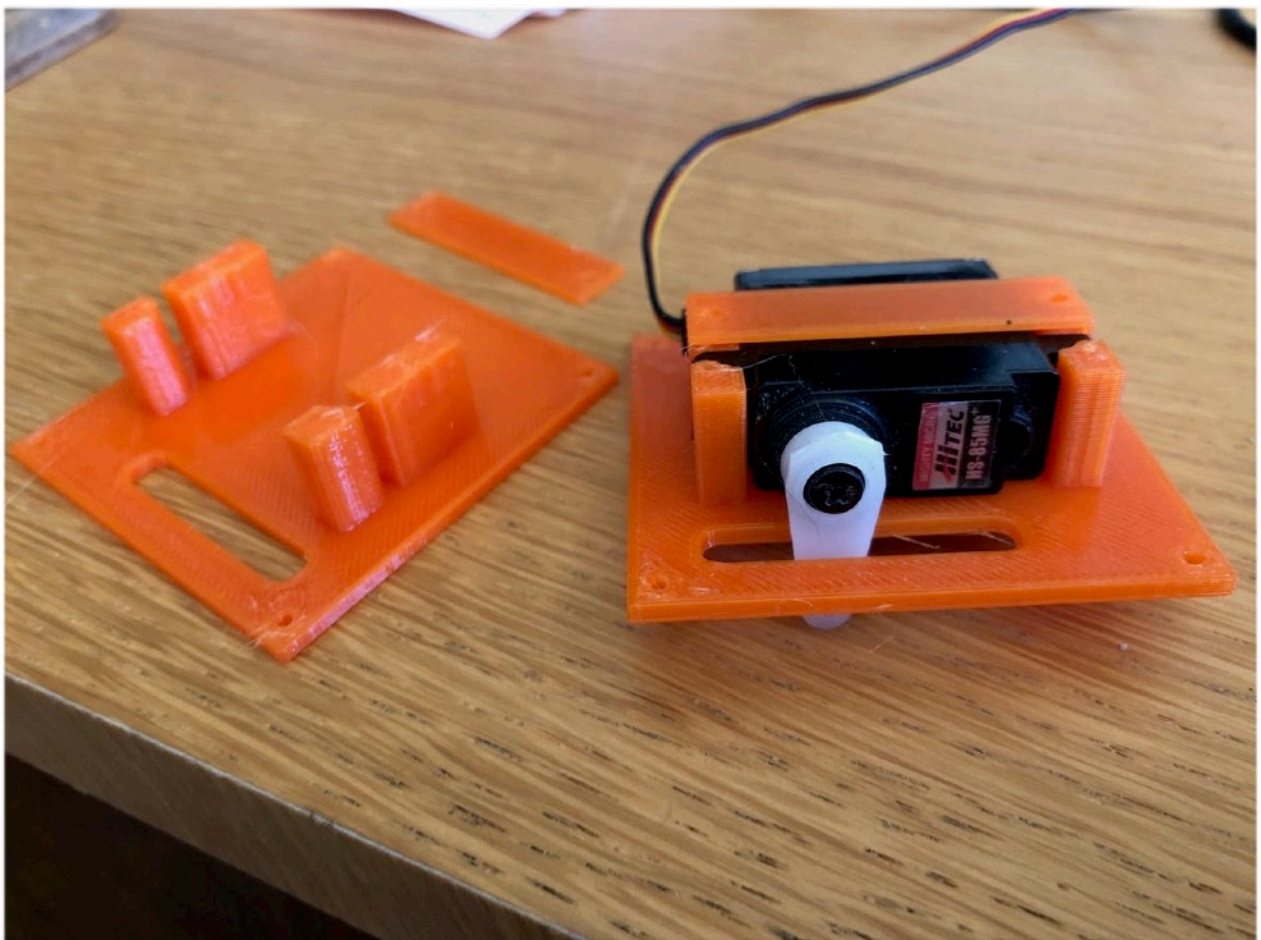


The plywood servo box was assembled and stuck together with cyano but I made a stupid mistake in glueing them in upside down! I just wasn't thinking correctly and it was late in the day but still a pretty dumb thing to do.

So I cut them out, which was quite an effort as I had used Gorilla Glue but at least I now know how strong that stuff is!



But this did make me rethink the method of fixing the servos in place and I 3D printed the cover and fixings. I think that the end result is much neater than a 'traditional' ply construction.



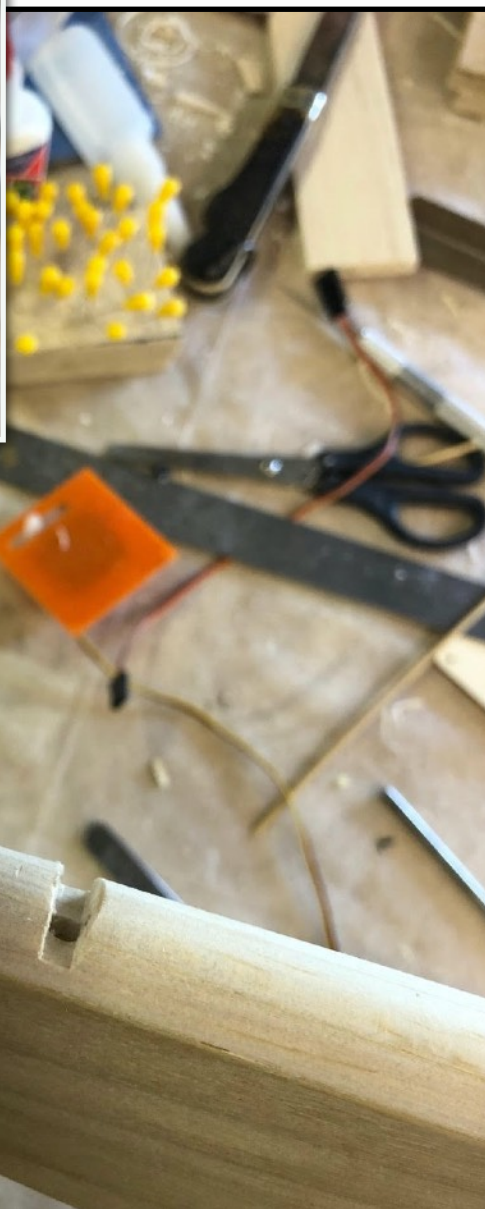
Next job was to fit end 'plates' on the ailerons to cover the foam.



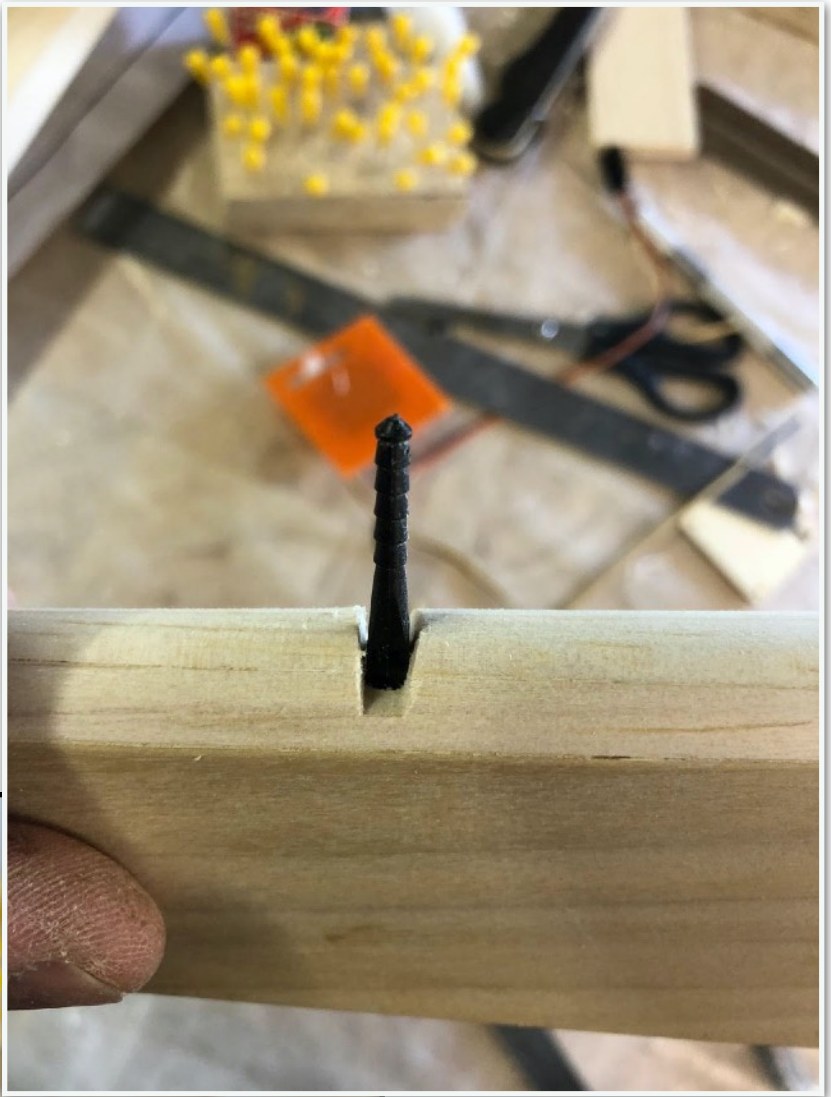
Now over to the concealed hinges and fitting the Robarts which was not that straightforward given the varying taper on the hinge line. I first cut a short length of barbecue skewer and sharpened one end to act as a marker. After marking the centre line, shallow holes were made in the wing using a rat tail Permagrafit file and the marker inserted. I then pushed the aileron into position and the hole positions were transferred via the sharpened marker.



I could then form the holes in the ailerons using the Permagrafit file



Slots were then filed in the LE to allow the hinges to pivot.



And a trial fit to make sure it all lined up and worked, it did!



Just got the end plates to put on the outer ends of the ailerons, hence the gap.

Last small job on the servo boxes was to fit the support blocks in the corners.



And I started to cut / carve the wig tips to shape. They were quite a big lump of balsa so I started with rough cuts using a hand saw, then used the razor plane followed by the Permagrit block





Hard points in ply were let into the ailerons, these will be the mounting blocks for the control horns.



I've now got quite a bit of sanding to do before I then stick the 2 wing halves together - tomorrow's jobs!