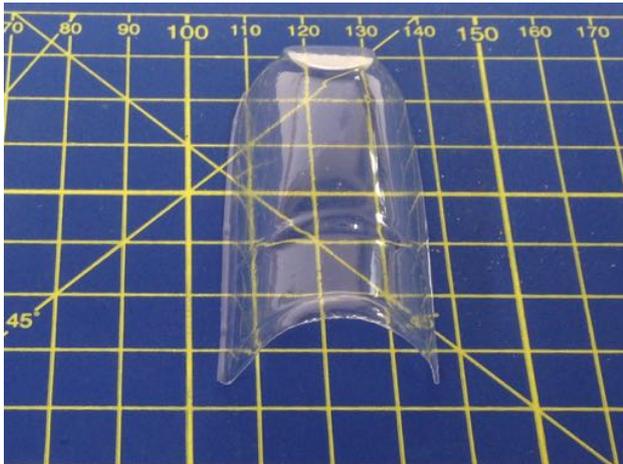


## SPITFIRE - FINAL ASSEMBLY

- 1) If you want to draw on the control surfaces, do so now using a fine marker or strips of black paper referring to the chain-dashed lines on the plan.
- 2) If you want to cover or paint bare wood parts such as the wheels, radiator, etc. do so now. This is much easier when the parts are not fitted to the model.
- 3) Cut out and cover the remaining paper patterns in the same manner as those in the earlier steps, leaving extra tissue in the areas indicated and ensuring that you make one left hand and one right hand of paper pattern U.



4) Fit the cockpit canopy by trimming the flash (excess plastic around the canopy) and back end off very carefully from the moulding provided (curved nail scissors are handy here).



4) Continued: The canopy can be secured with tiny drops of cyano, but do not use too much or the fumes will 'fog' the plastic. Add the canopy framing if you wish, made from thin strips of tissue glued onto printer paper. A glue stick can be used to secure these strips. Any smudges or finger prints can be removed with a wet cotton bud (Q tip).



5) Assemble the propeller to the nose block using the wire prop hook as shown on the plan, making the shaft as short as possible.



5) Continued: Now fit the spinner. The spinner should be trimmed so that it measures approx. 23mm from tip to rim. Cut two slots into the spinner to house the prop blades. The angled slots should finish approx 10mm from the spinner tip. Carefully tack the spinner in place with cyano, making sure that it does not wobble. **Do not get glue on the shaft or in the bush.**



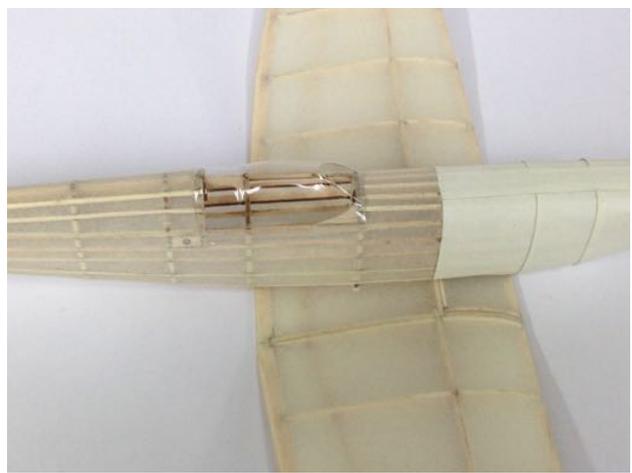
5) Continued: When you are satisfied, use quick setting epoxy to secure the spinner to the propeller blades with a neat glue fillet.



5) Continued:



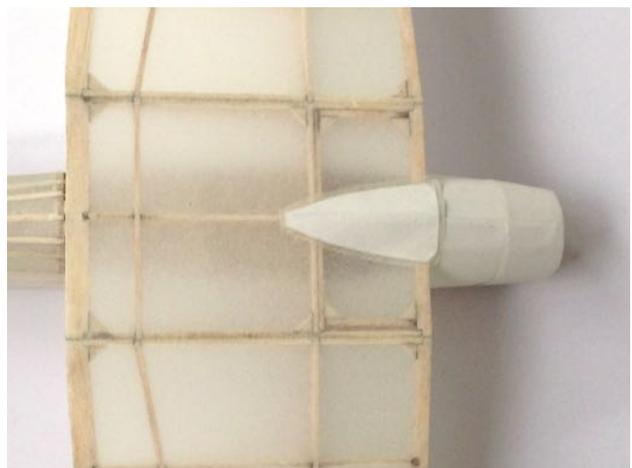
5) Continued: Once set you can paint the propeller and spinner.



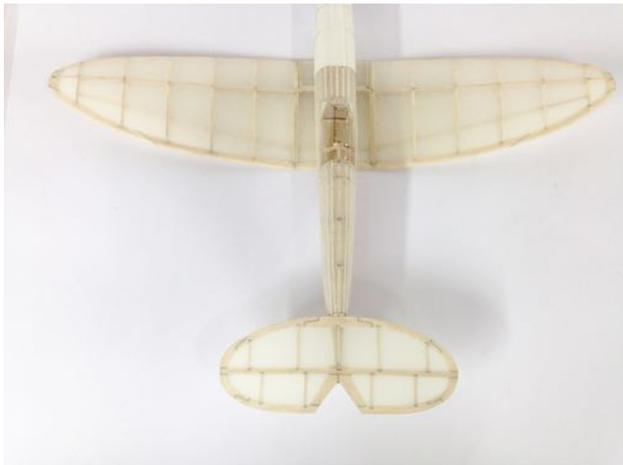
6) Glue the wings in position, applying glue to all of the contact surfaces and ensuring that the wing locates properly and that they look square and true to the fuselage..



6) Continued: Allow to set then glue in place part K3 and the paper pattern V, which should be tissue covered – use the tissue overlap to make a smooth joint



6) Continued:



7) Glue the tail plane in position making sure it is square and true, and in line with the wings.



8) Glue the fin and rudder in place, ensuring it is properly located on the tail plane and at right angles to it.



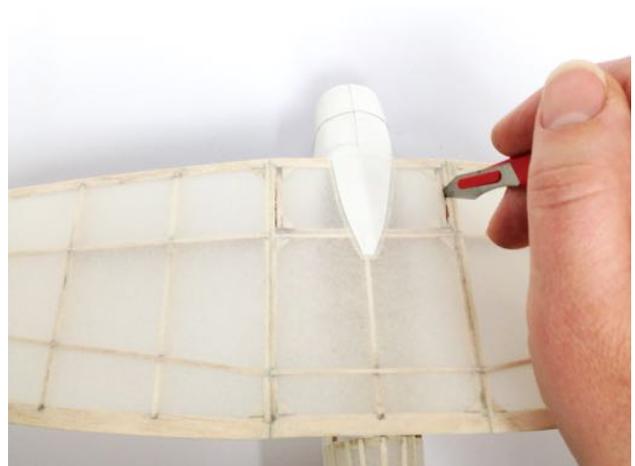
8) Continued: Then carefully sand the fillet pieces to fit tapering them to the rear



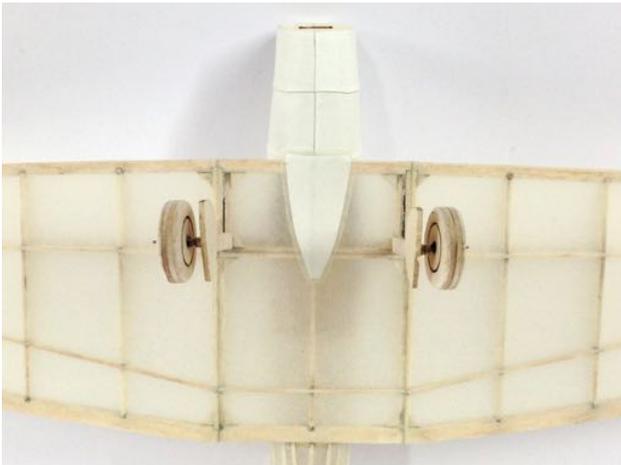
8) Continued: Glue them in position between the tail plane and fin.



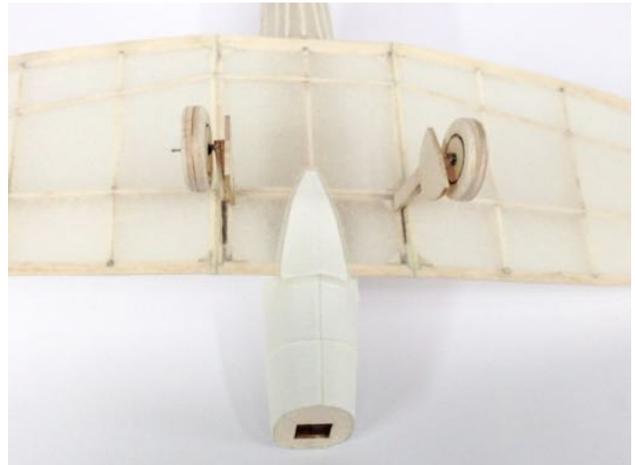
9) Fit the wheels to the axles if not already done. Note that the 'spoked' side of the wheels fit away from the wheel covers. Fix the wheels as outlined on the plan.



10) Unless you are going to fly your model 'wheels up', carefully slit the tissue between R2 and R2A.



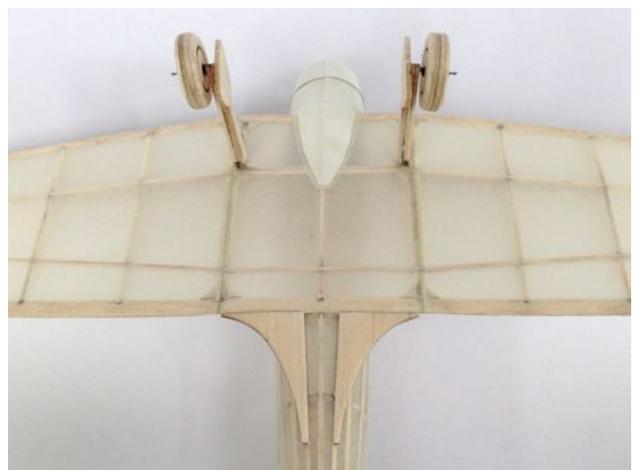
10) Continued: Fit the undercarriage legs with quick setting epoxy, angling them correctly and noting that the wheel well covers are on the inside.



10) Continued:



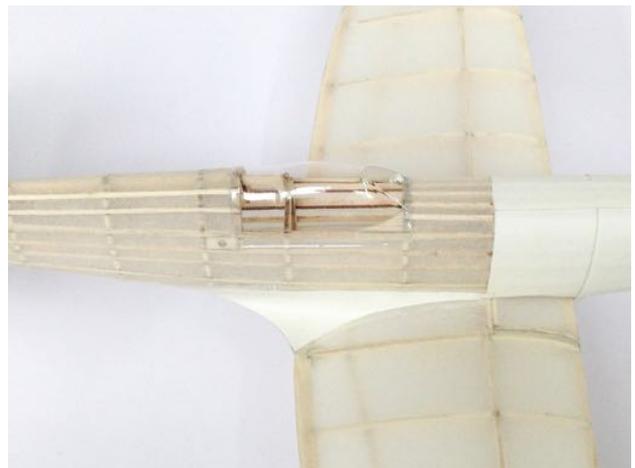
11) Noting the correct location of the tail wheel, make a pin hole in the tissue and glue in the tail wheel wire using epoxy.



12) Bevel the edges of parts WF left over from the laser sheets, so that they fit against the wing trailing edge and up to the bottom stringer and glue them in position.



13) Fit one paper pattern U each side, curving them to fit along the wing, fuselage and WF, overlapping the tissue for a neat joint.



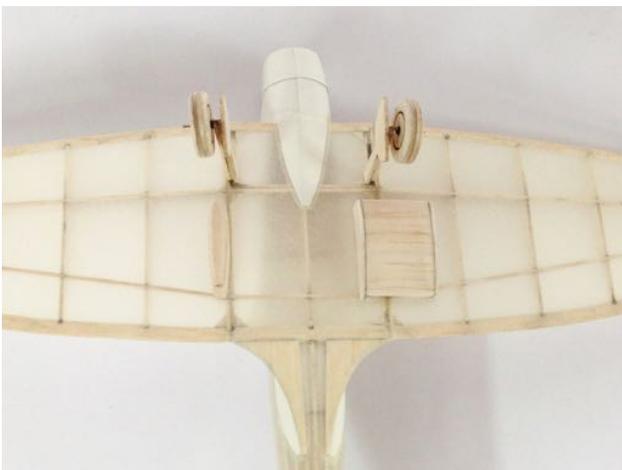
13) Continued: These parts are tricky to fit and you should take your time trying them, then adjusting the position or the curve and then trying them again until you are satisfied.



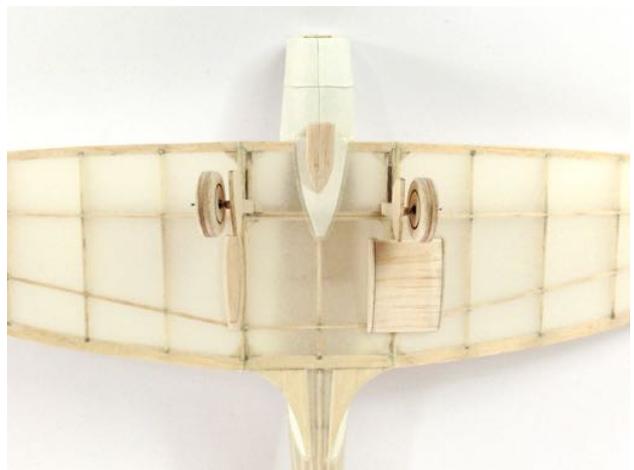
14) Cover the exposed side of parts WF, overlapping the tissue.



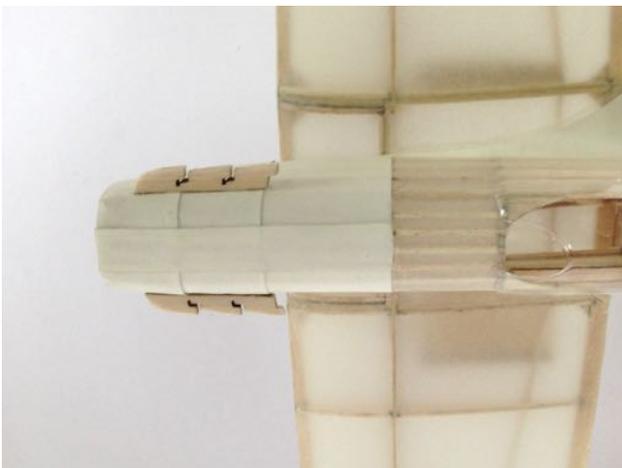
15) Fit the radiator, oil cooler, air inlet and exhausts, referring to their positions on the plan.



15) Continued:



15) Continued:



15) Continued:



16) Markings are provided on lightweight paper; they should be cut out, and glued in position with a glue stick using the colour scheme diagram (Y) included at the back of the instruction booklet.



16) Continued:



16) Continued:



16) Continued:



16) Continued:



16) Continued:



16) Continued:

17) Markings are provided on lightweight paper; they should be cut out, and glued in position with a glue stick using the colour scheme diagram (Y) included at the back of the instruction booklet.

Fit the motor peg made from the cocktail stick/toothpick provided, cutting it to length and leaving about 5mm sticking out each side. Dip the scrap ends of the cocktail stick in cyano and roll glue around the peg hole to harden it. Try the motor peg in the holes for a good 'squeaky' fit each time you add more cyano.

**BE CAREFUL! – Wait for the cyano to dry at each stage before trial fitting the motor peg to avoid it being permanently bonded!**