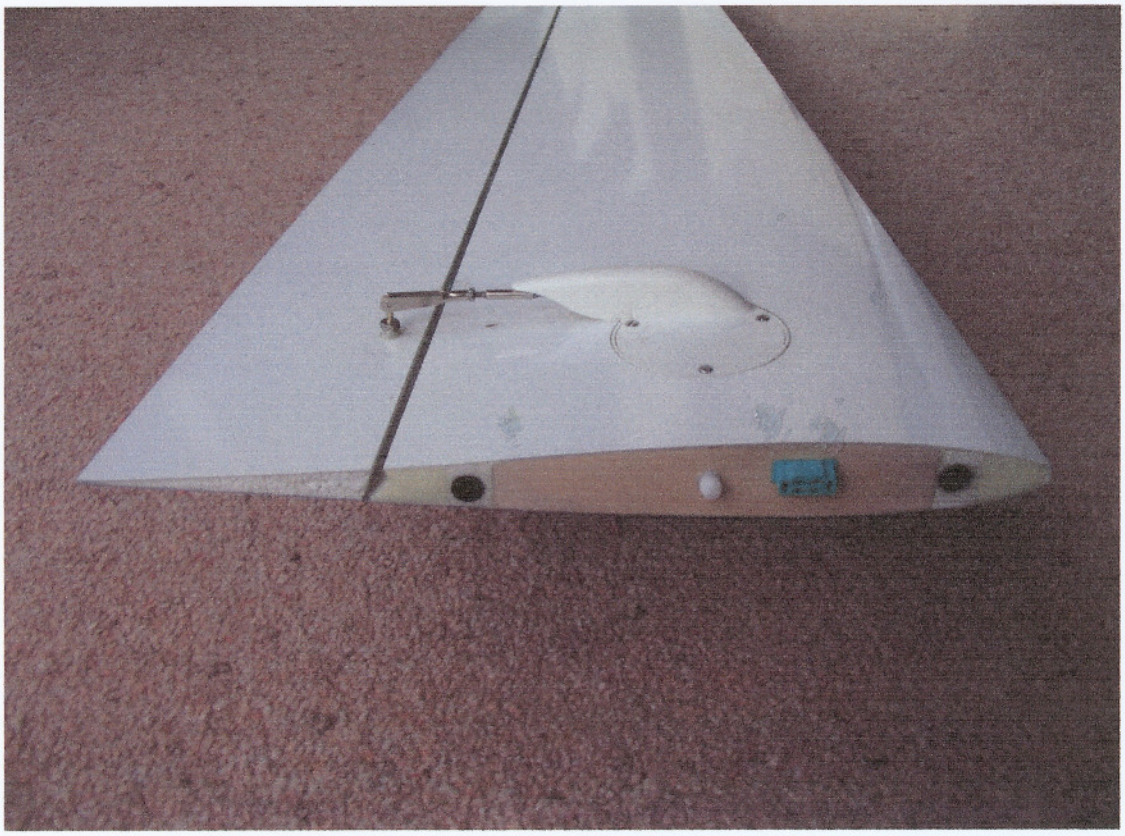
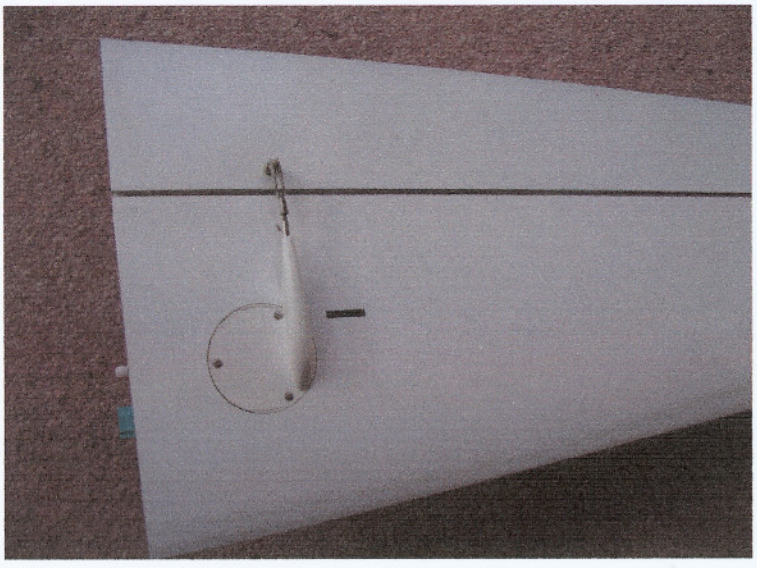
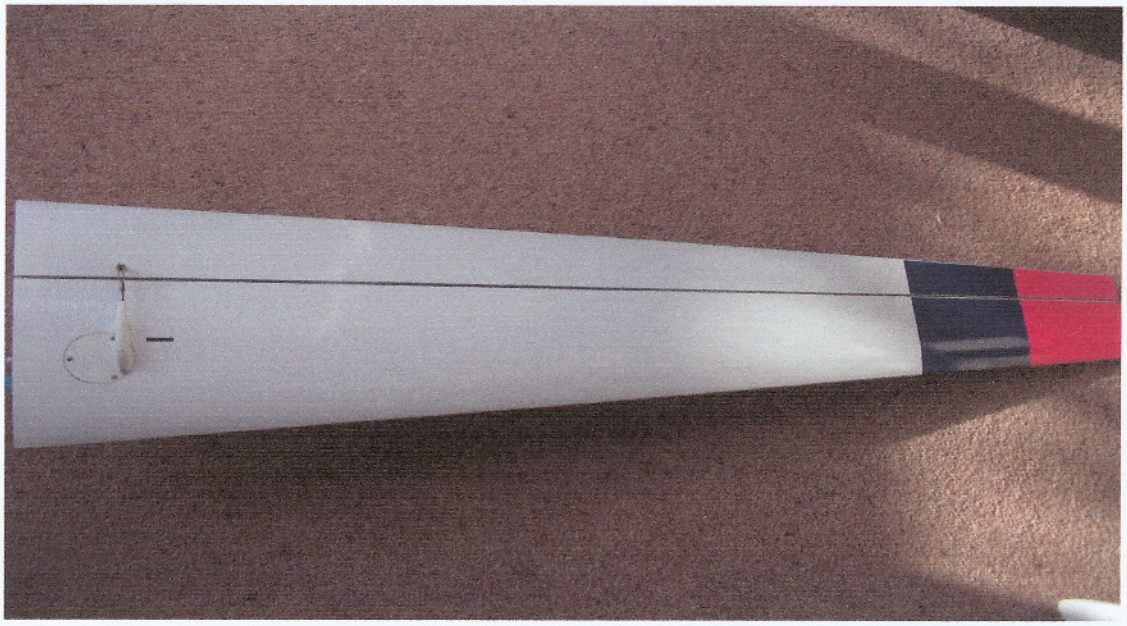
A Few Pointers On Building the Volti J



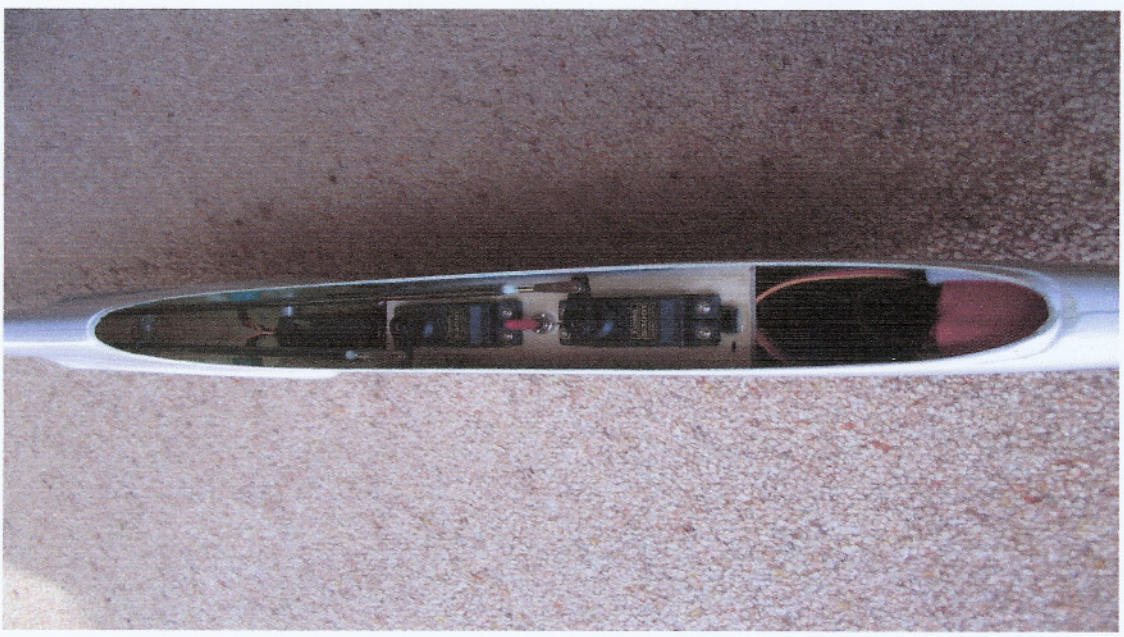
I reinforced the wing route with 3mm ply so the Multiplex snap connecter and electrical connecter could be fitted, also the tip and just in front of the hinge line was routed out and reinforced with epoxy and micro balloons.

Servo in the wing, cut out made with a 2-inch hole saw, care needed.

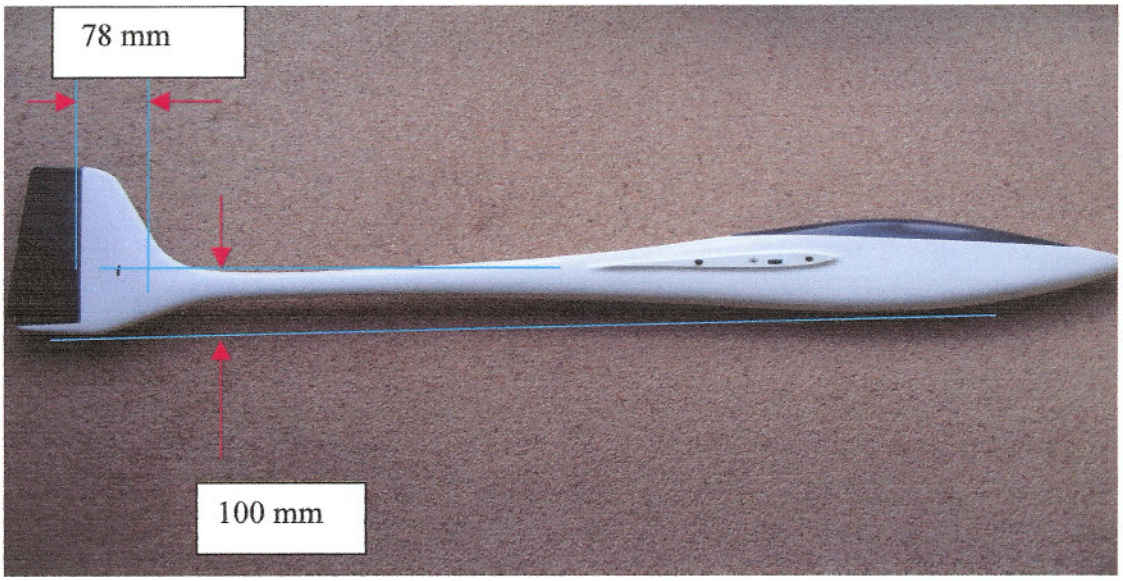




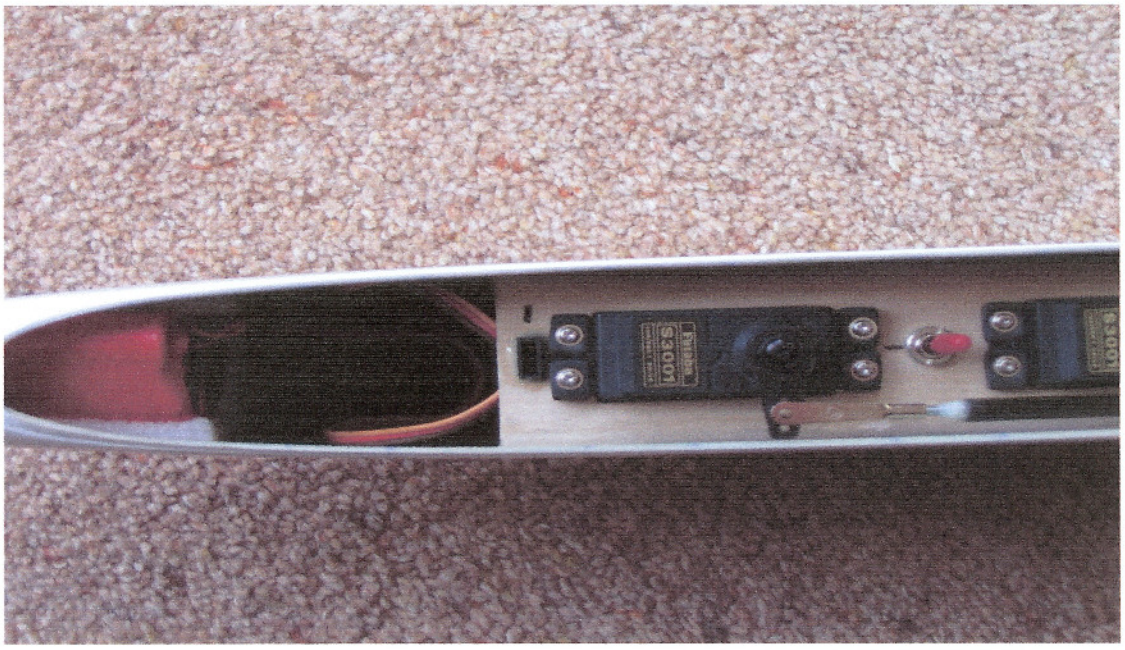
Silicon used for aileron hinging and internal structure, use Aquarium grade, easier to use and doesn't contain additives which can eat into wiring. Tack glue parts in with Cyano and then silicon, form the fillet by wetting finger and running along.



Internal layout, nose to under the receiver reinforced with 100 gram carbon cloth, this really stiffens up the front end.

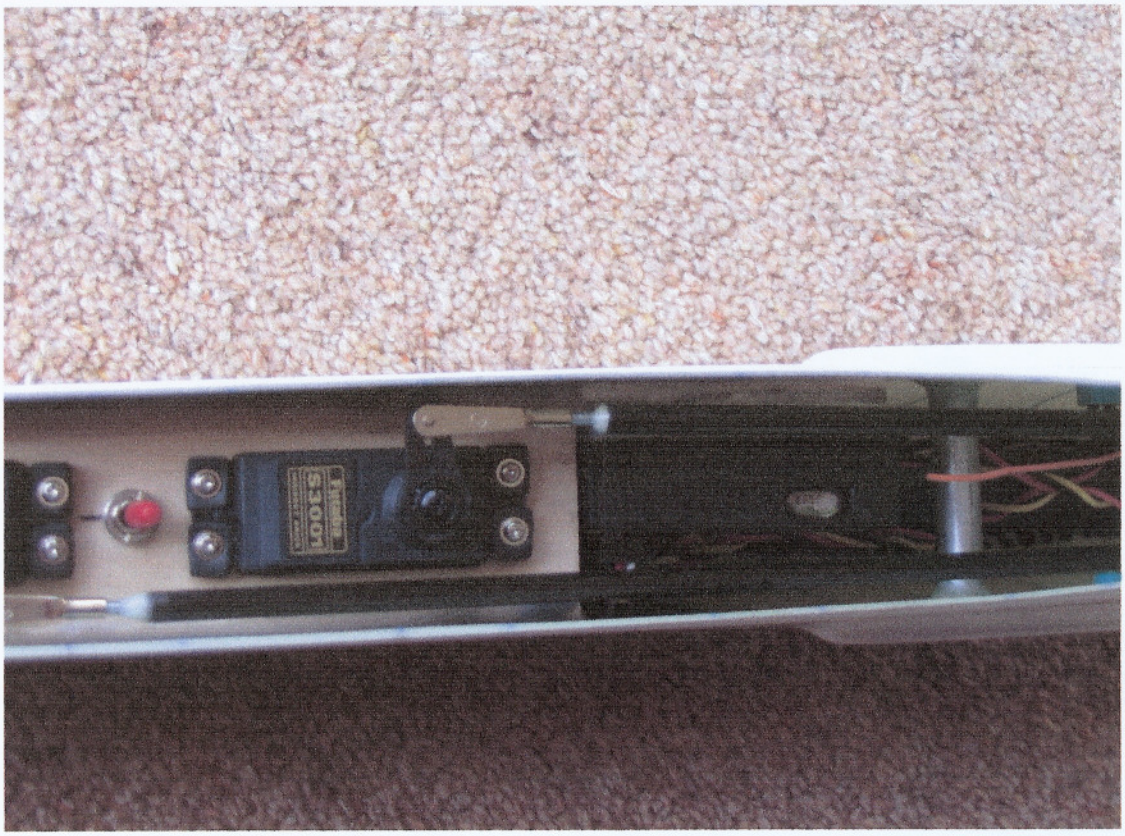


Elevator pivot point, put fuse on a flat surface, upright with fin and fuse touching, measure up 100 mm and mark line across fin
then measure from rudder hinge side along that line forwards 78 mm. This puts the elevator bell crank in the correct position for the push rods to go over the top of the wing joiners.

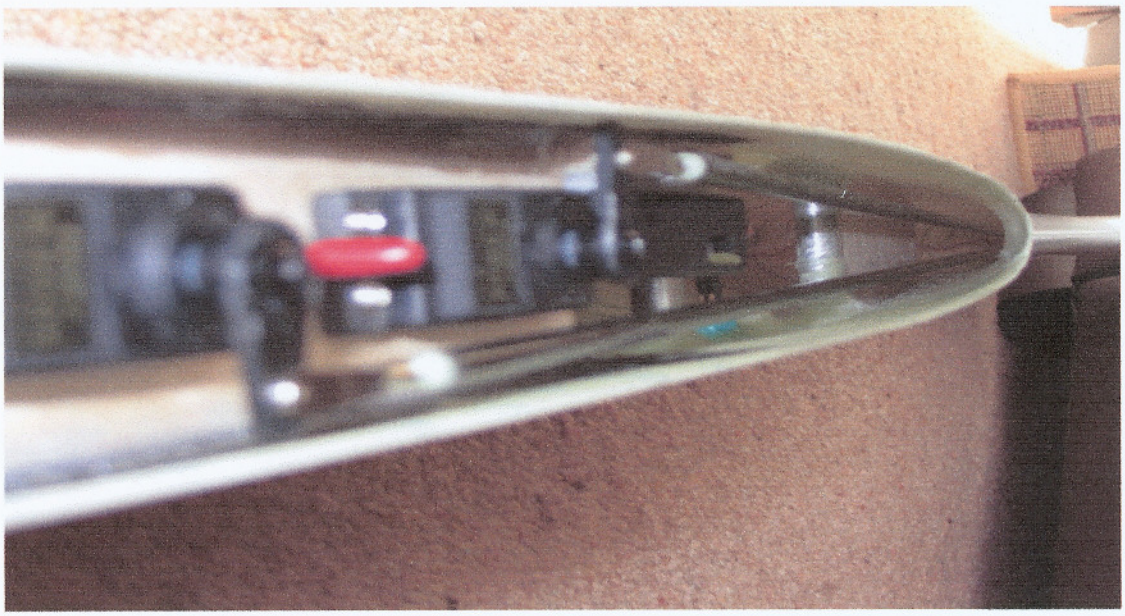


General arrangement of installation. Battery in foam.

My servo plate is 150 mm long and the leading edge of it is 150 mm back from the nose tip, the height at the front 20 mm, from the edge of the canopy cut out and the rear 25 mm down.

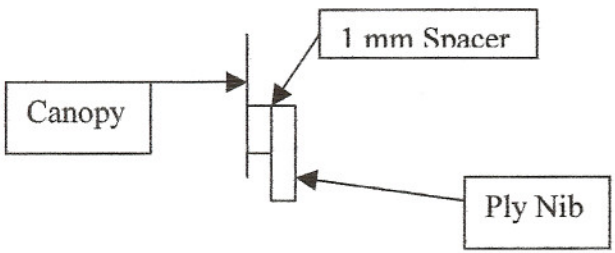


Receiver on it's side, in this shot you can see the last bit of carbon reinforcing along the bottom of the fus which should help with landing shocks.



This shot shows a 5 mm balsa (cross grain) bracing support running from the rear wing joiner to 50 mm back past the wing route trailing edge, to stiffen up the rear of the fuselage. Awkward, but worth while, I managed to get this into place by sticking it to a piece of 6mm square plastic rod with double sided tape tacking in place with Cyano then pulling the rod off and Silicon in place. Silicon applied to a piece of dowelling and spread along the joint line.

Wires fitted for canopy retention as described in building instructions, I found that the canopy was always flipping off, by fitting a ply nib to each side of the canopy, with a 1mm stand off, to allow clearance for the fus side the problem was solved.



Hopefully you find these tips useful if you need any further info, contact me on AJStringer@aol.com

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