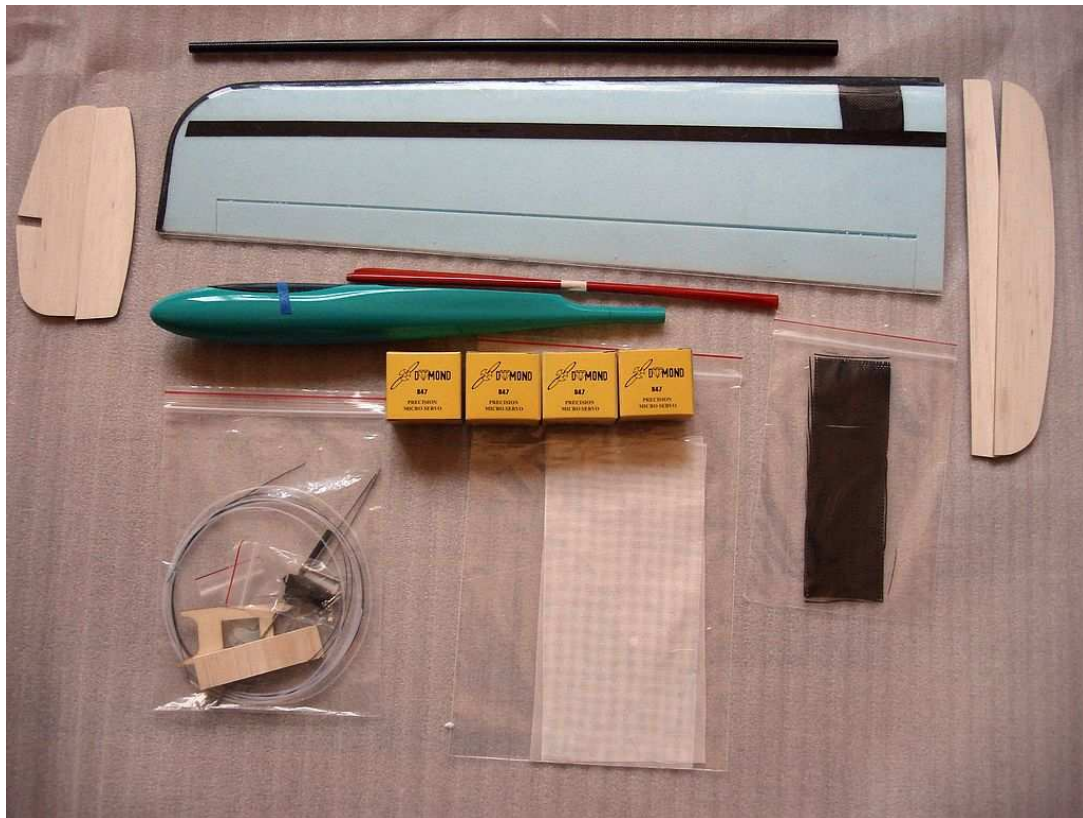


Super Mini Topsky Installation Manual

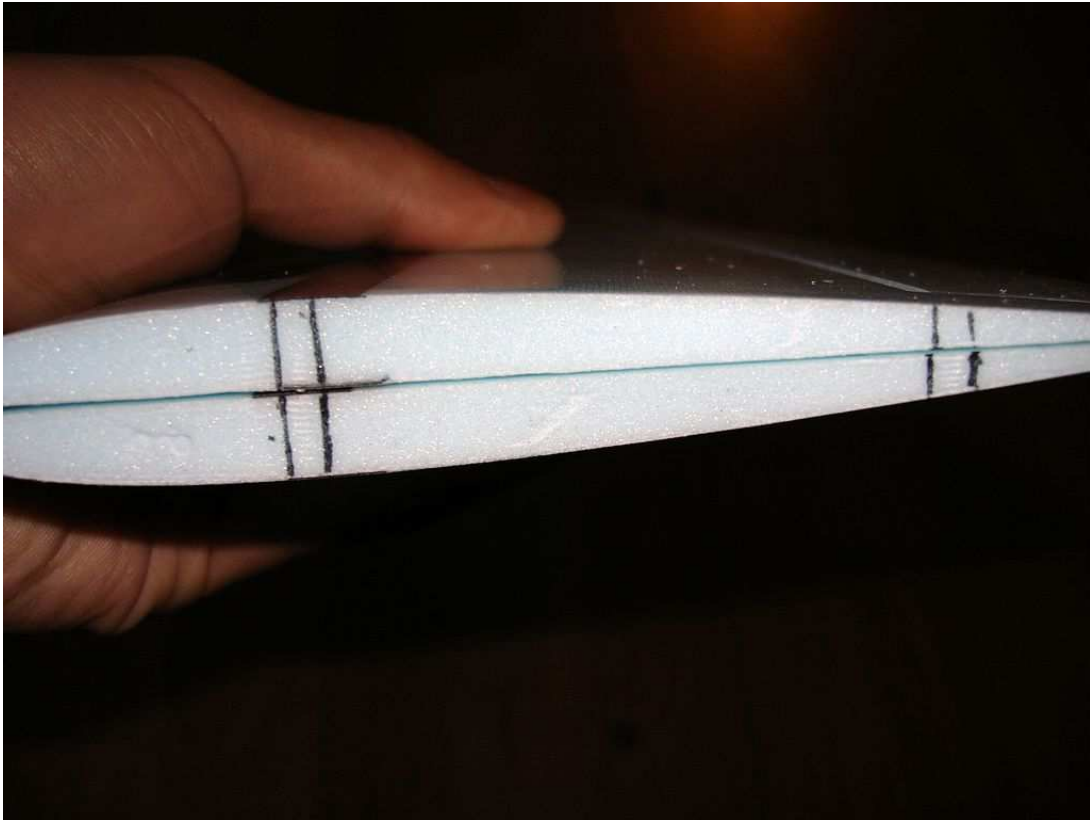


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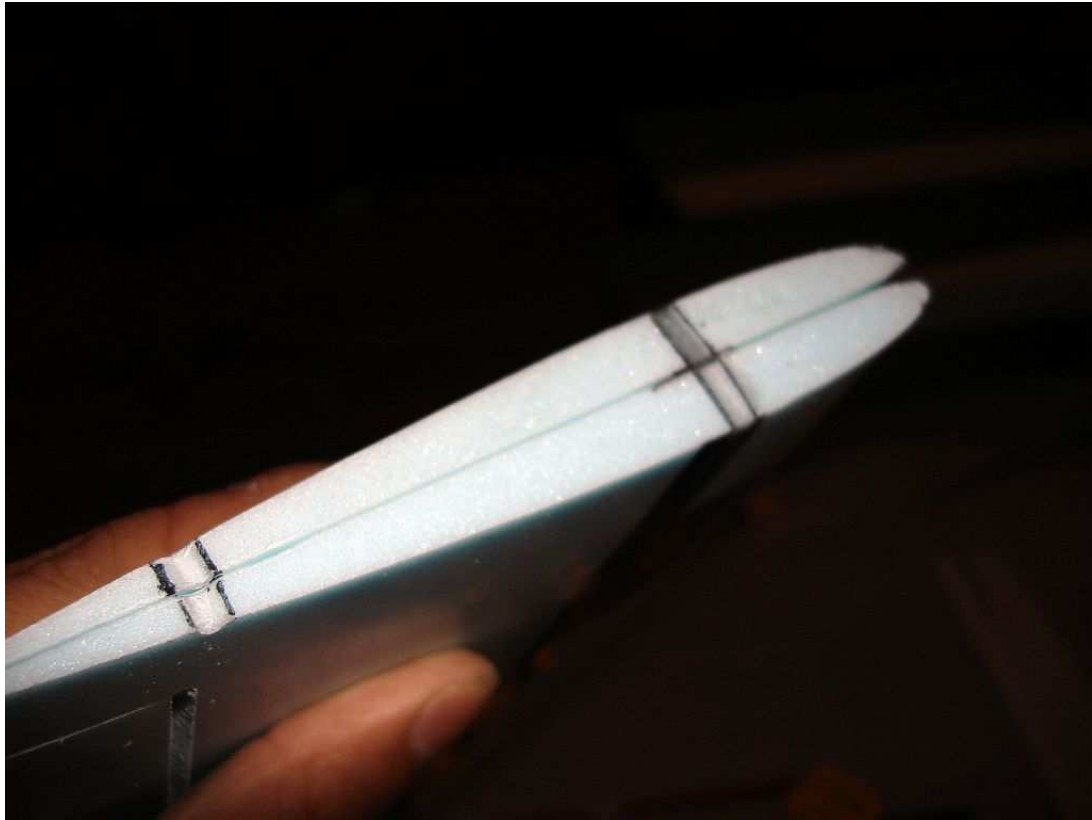
Joining the wing, testing.



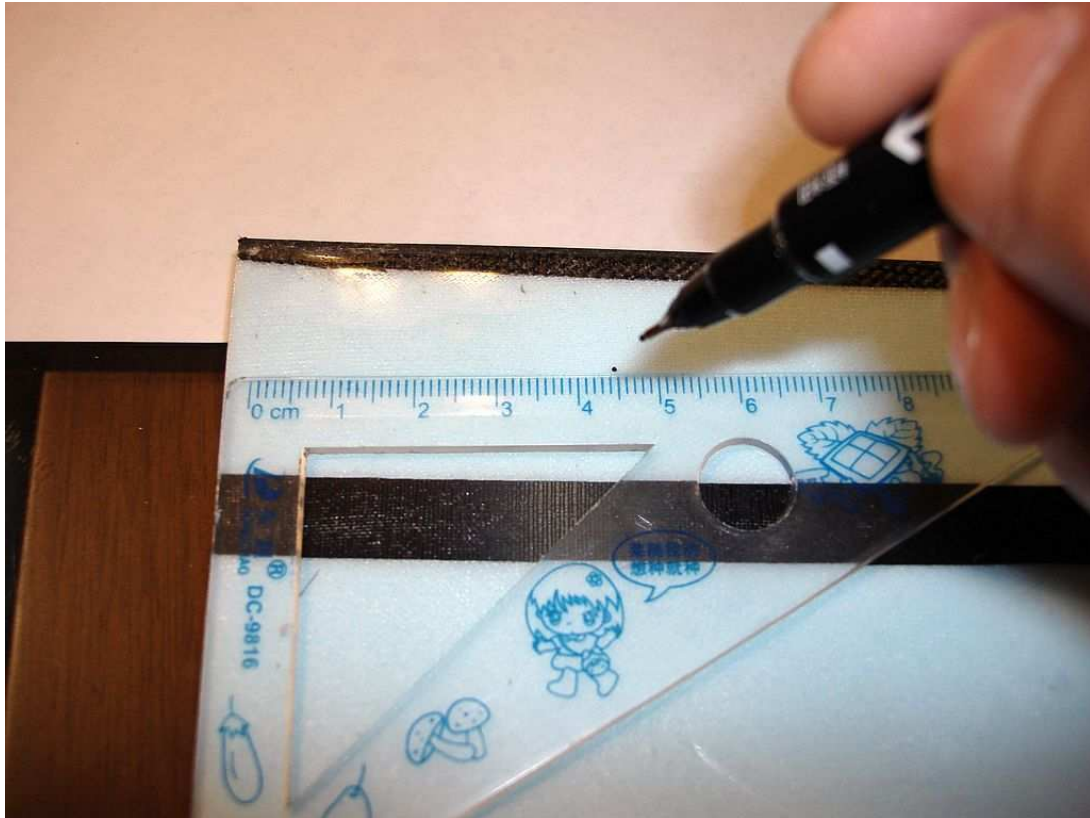
Mark to remember where to make the hole.



File it according to the mark.



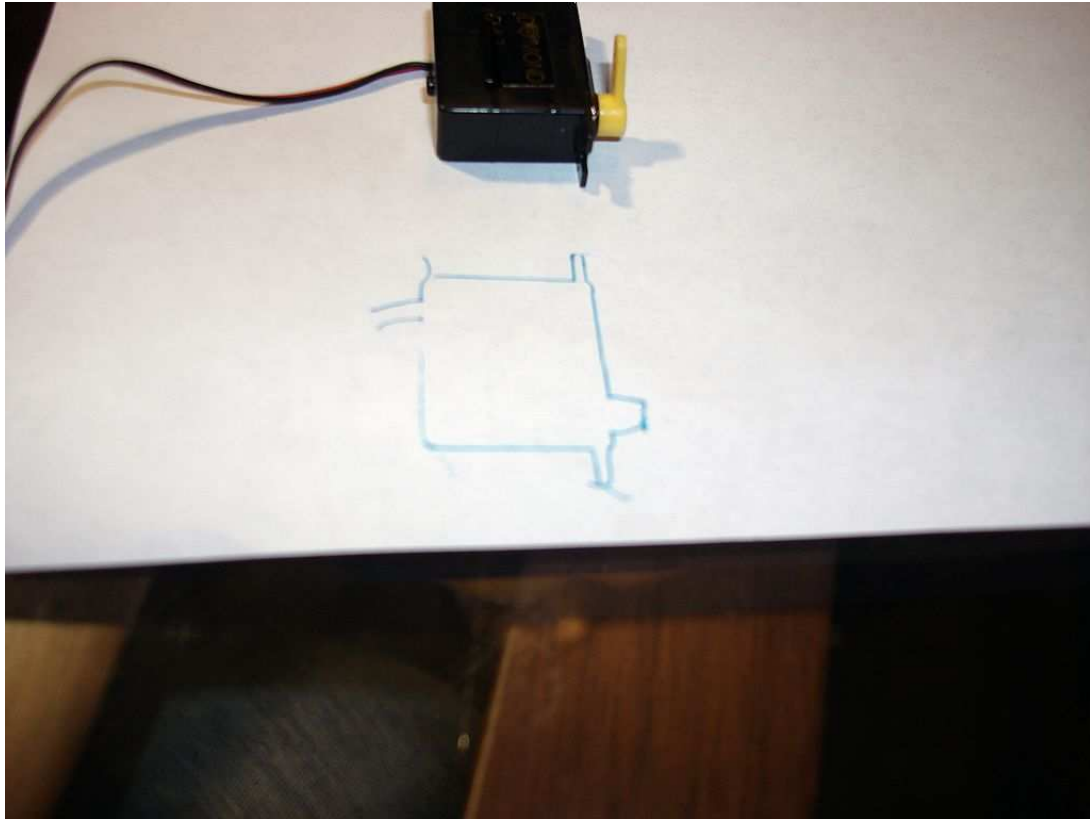
Both wings filed.



Make a mark for installing the aileron servo.



Make sure the black dot mark at the center of the carbon cloth which located at the top surface of the wing.



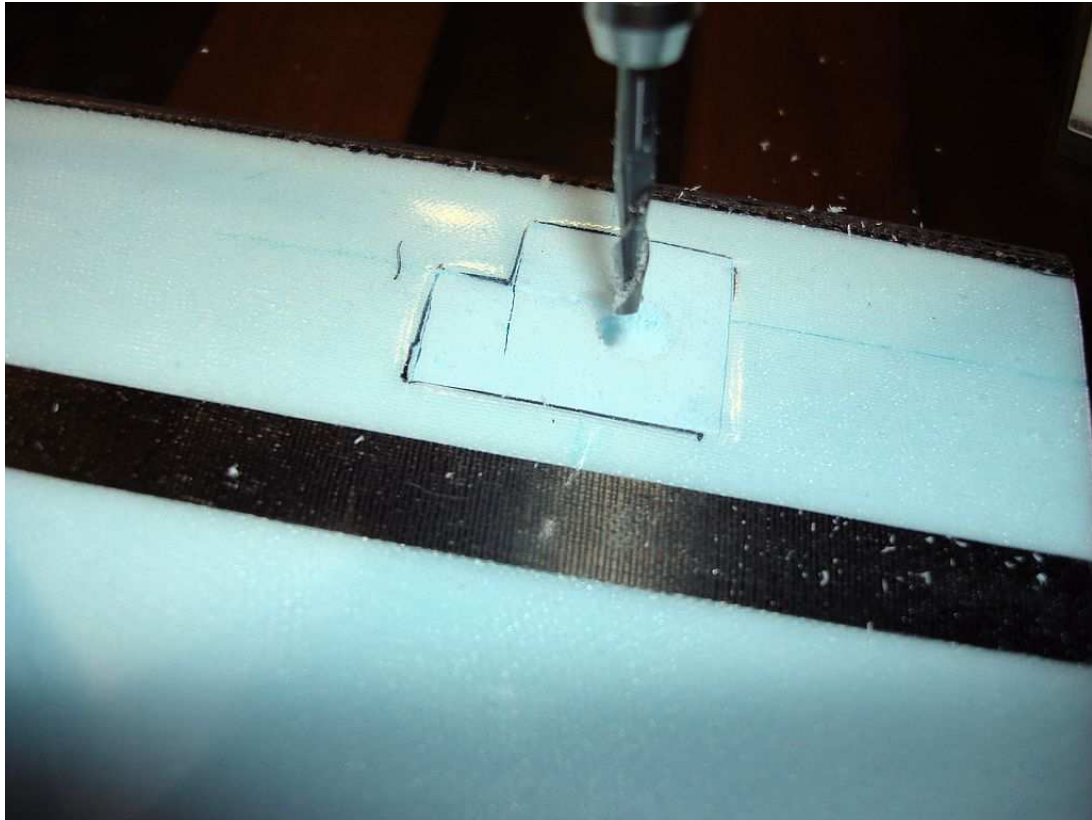
Draw the servo outline at a pic of paper.



Try it.



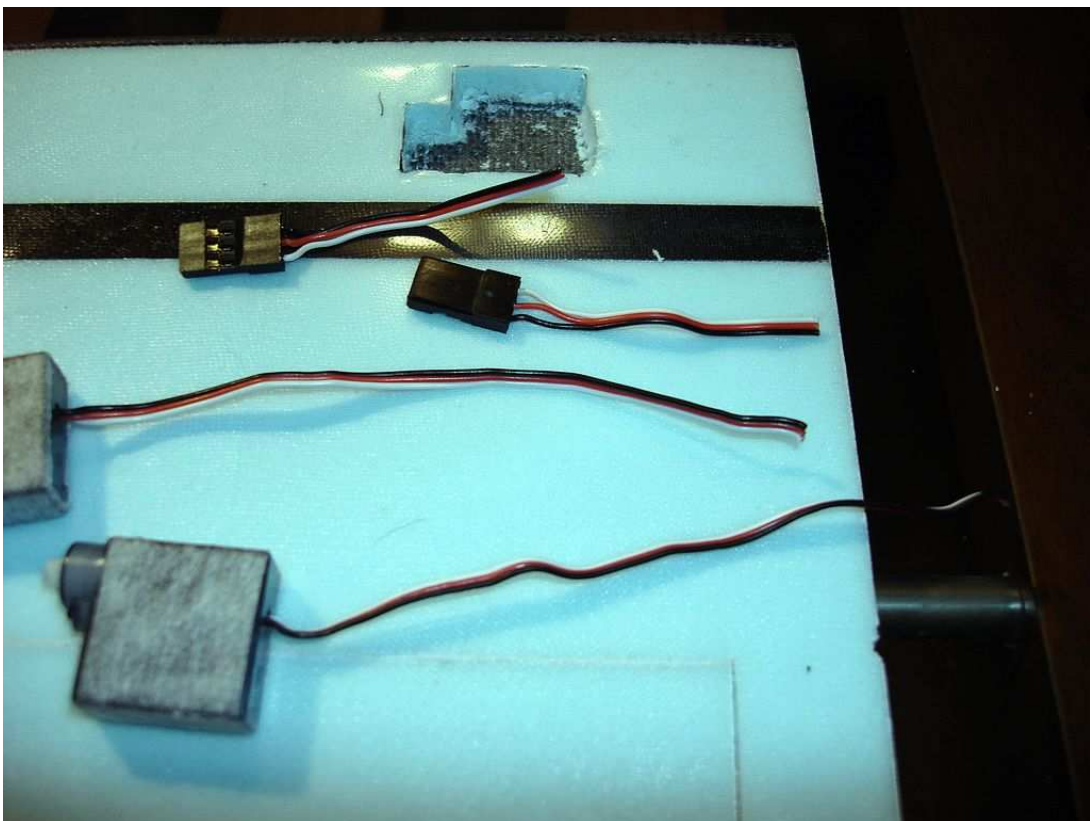
Draw a cross for making sure the right place for servos.



Use milling cutter to cut the form for servos.



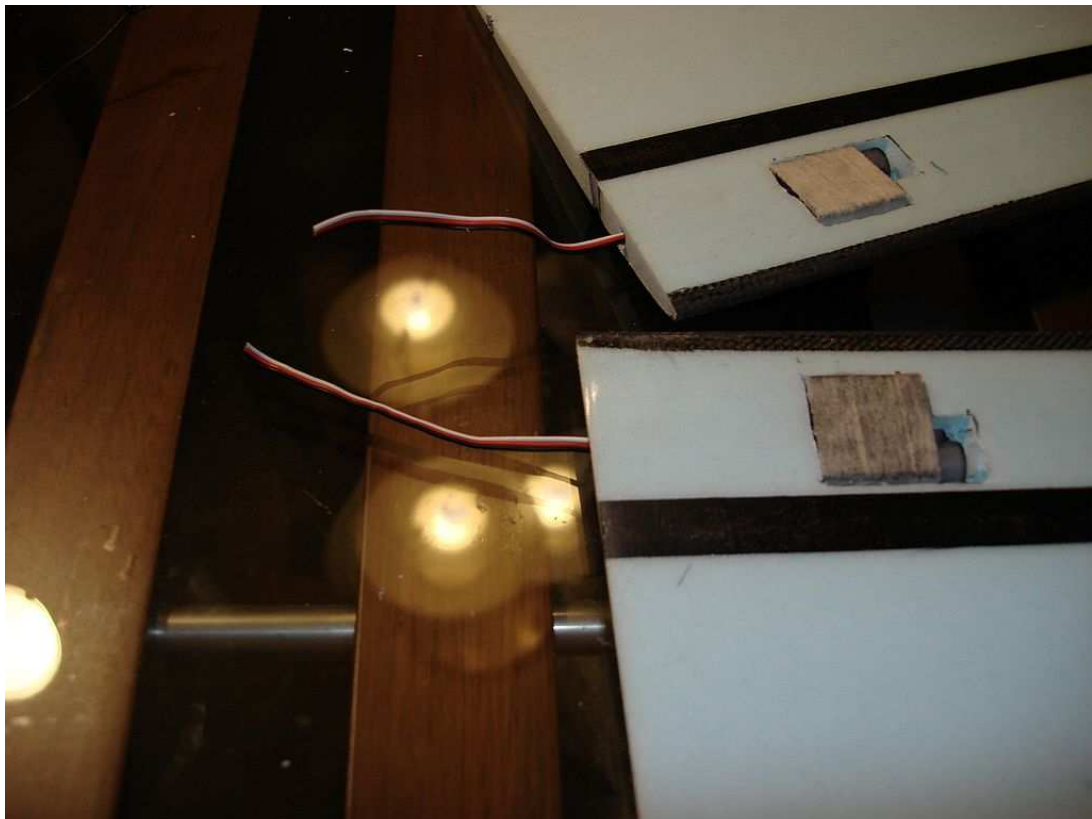
Make a hole for servo wire.



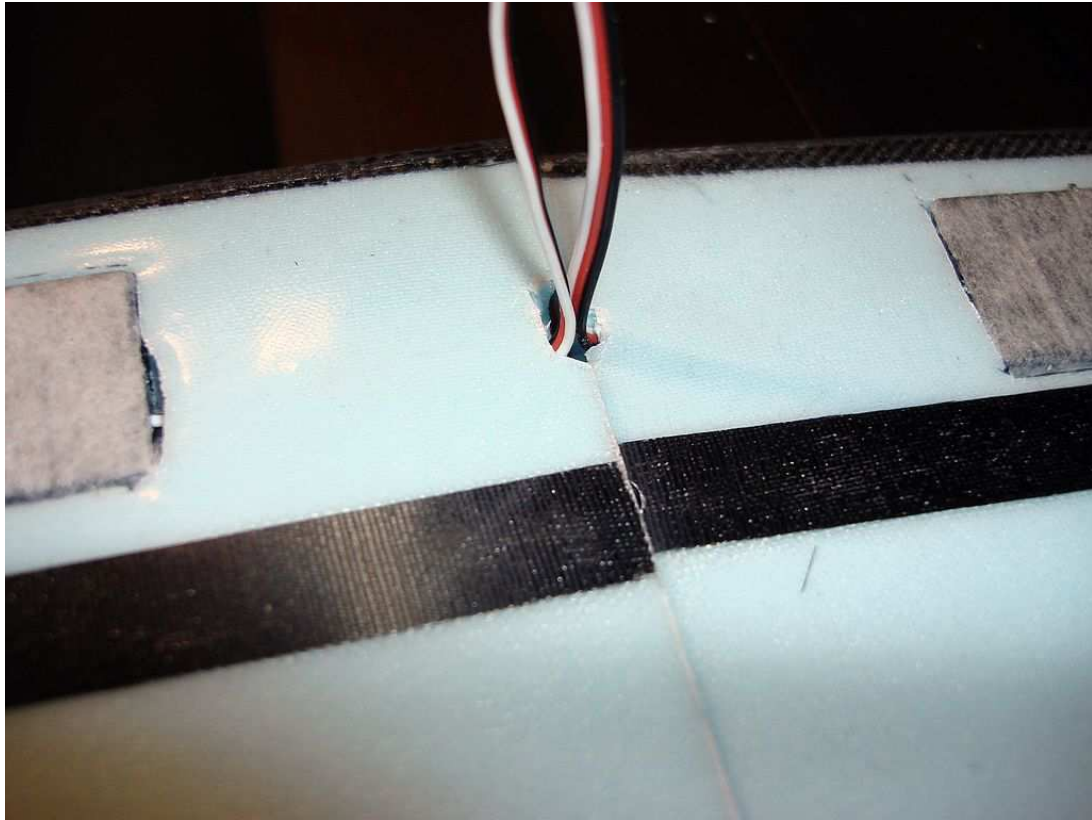
Server wiped with 3M tape and the connector cut.



Fishing out the server wire from the hole.



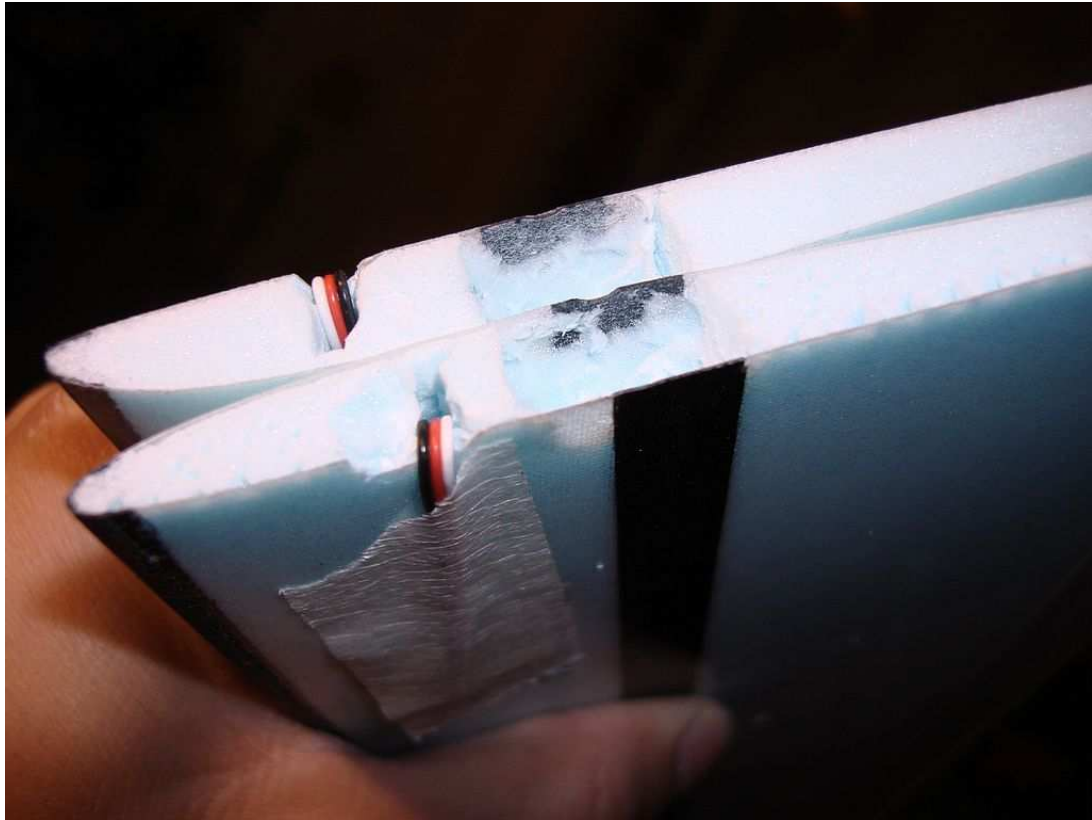
Servos in place. Remember, don't stick the servos to the wing...



Ready for joining the wings



Cut the foam.



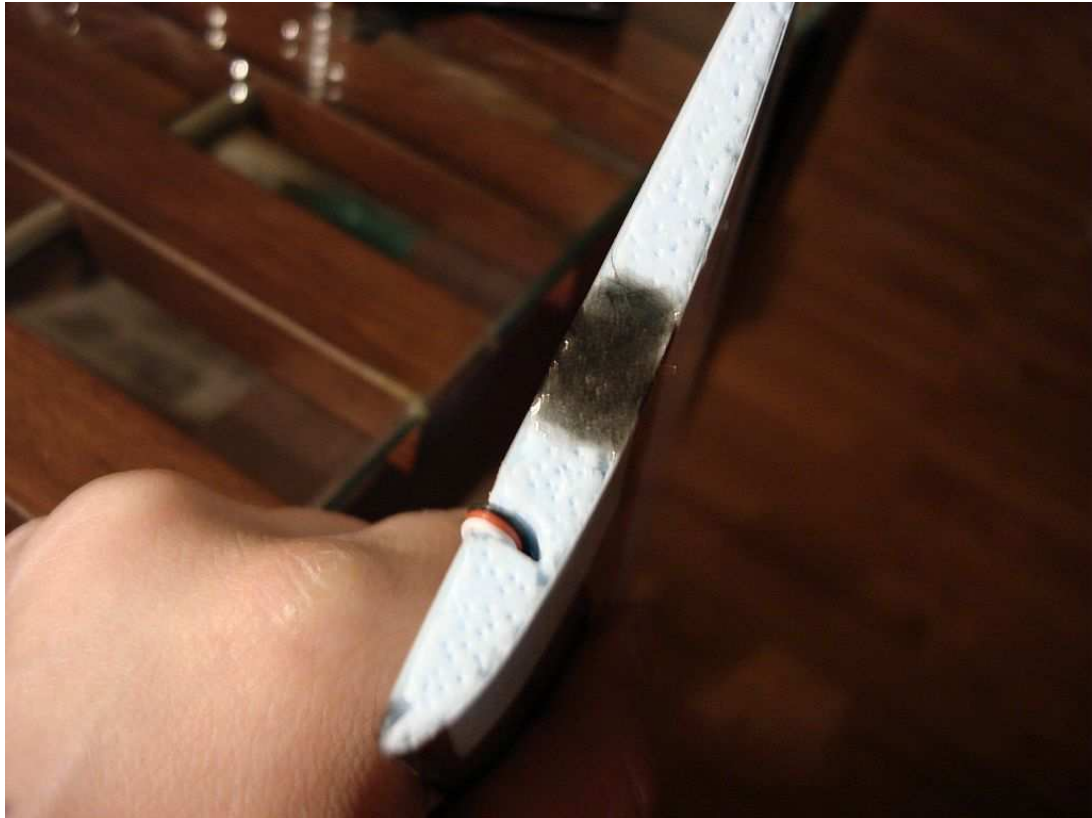
Detail



Mix the poxy, 30 minute Z-Poxy.



For better strength, cut some carbon fiber into it, or the micro balloon is the best choice.



Fill it



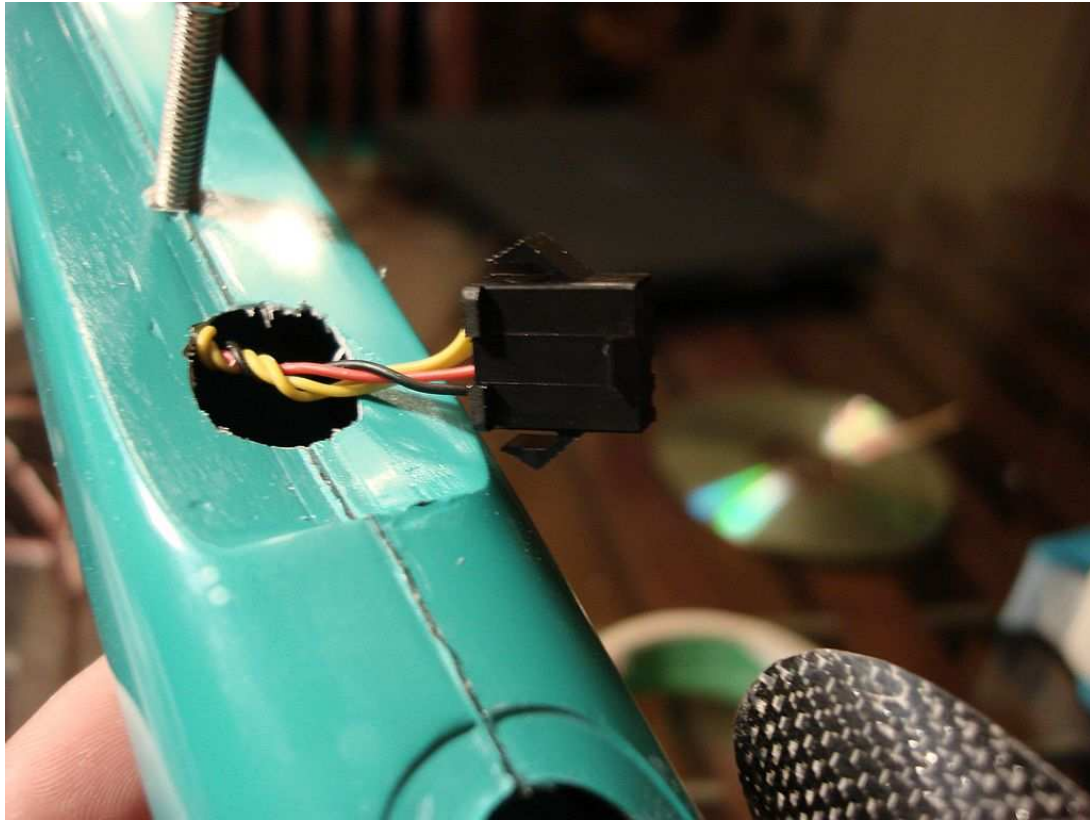
Before I join the wing, I use pin to make some small holes.



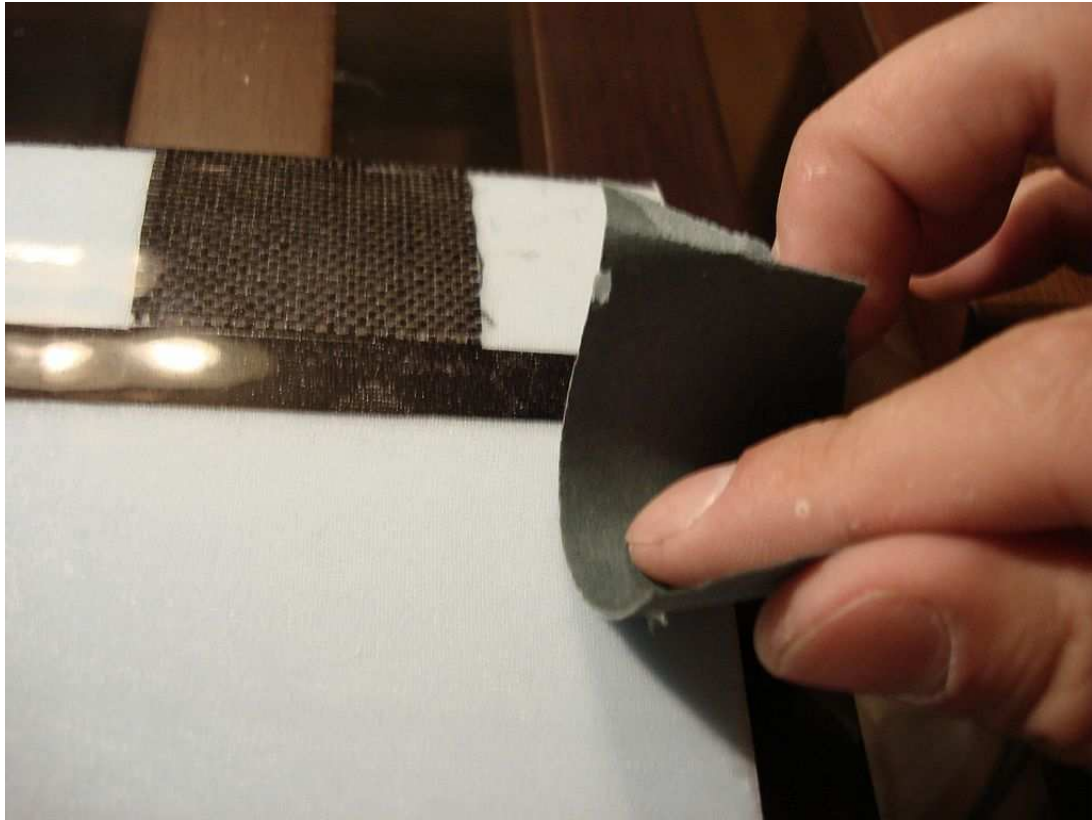
While It was drying, prepare the wire for wing servos.



Cut a hole on the pod for wing servos connector



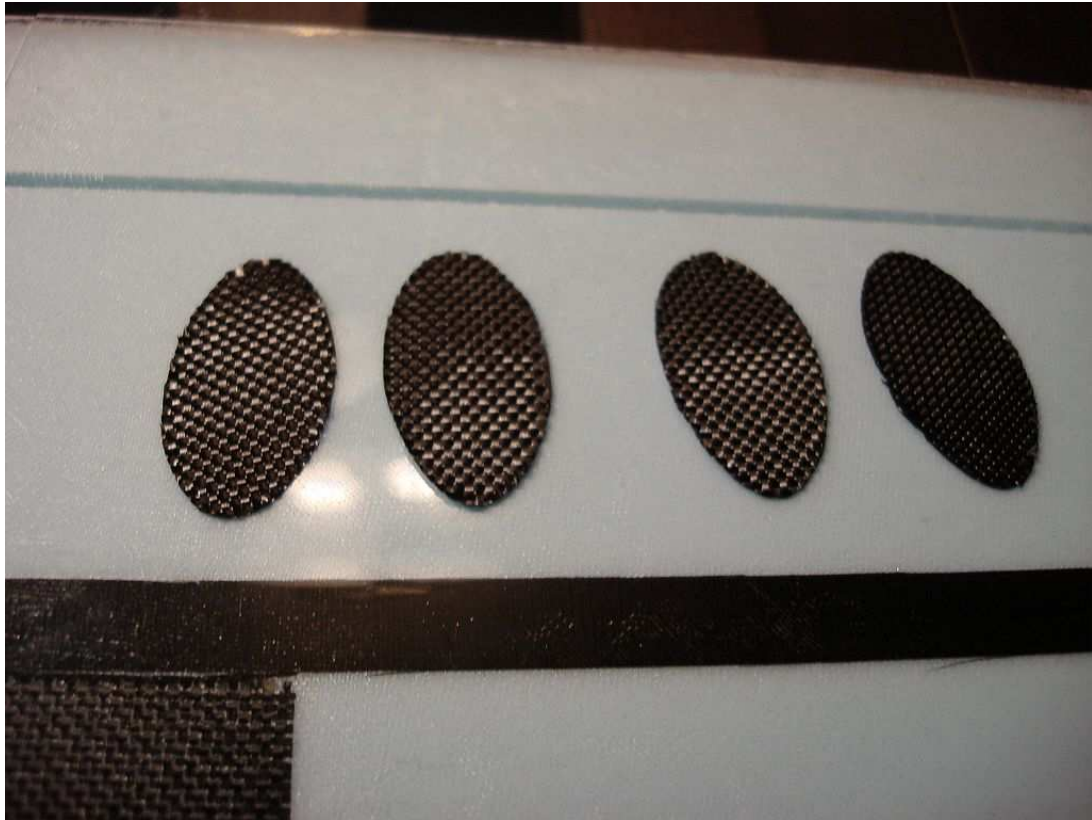
Test the size of the hole.



Sand the surface of the wing before joining it together.



Sand



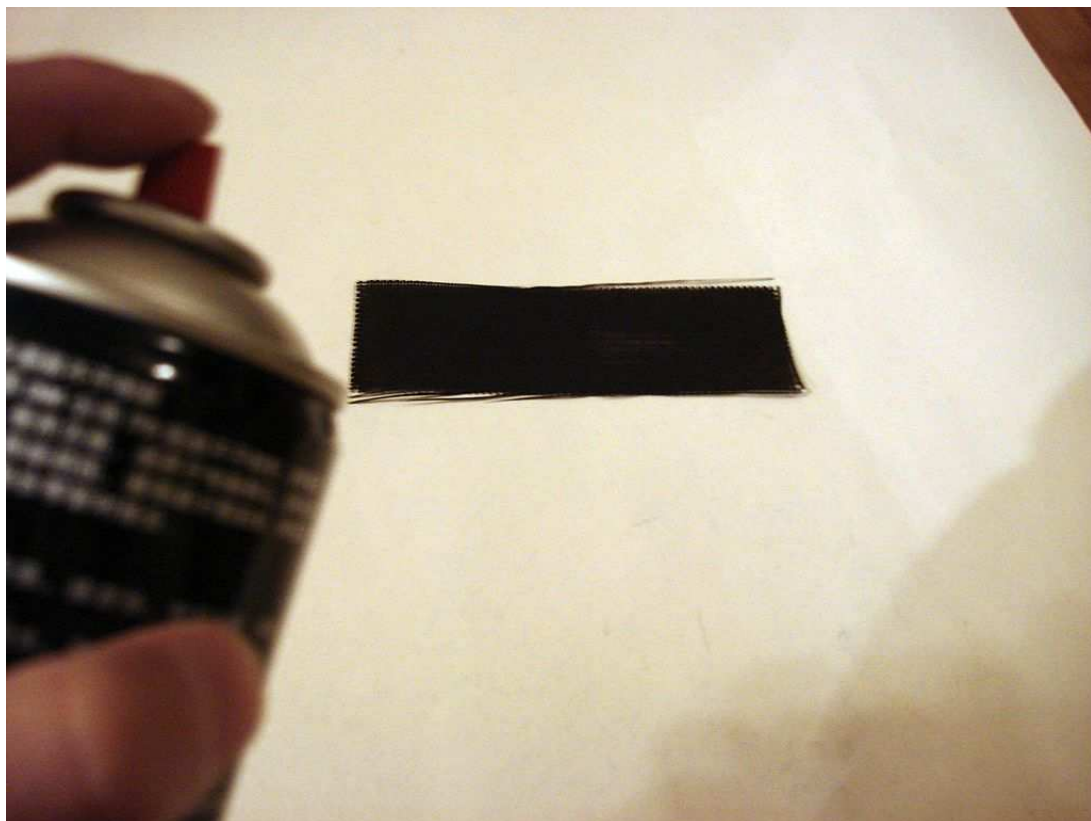
The reinforcement for the wing.

Normally, we use the fiber glass cloth as the first layer and then the carbon reinforcement, but I prefer the carbon reinforcement as the first layer and then the fiber glass cloth. It makes the edge of the carbon reinforcement really smooth.

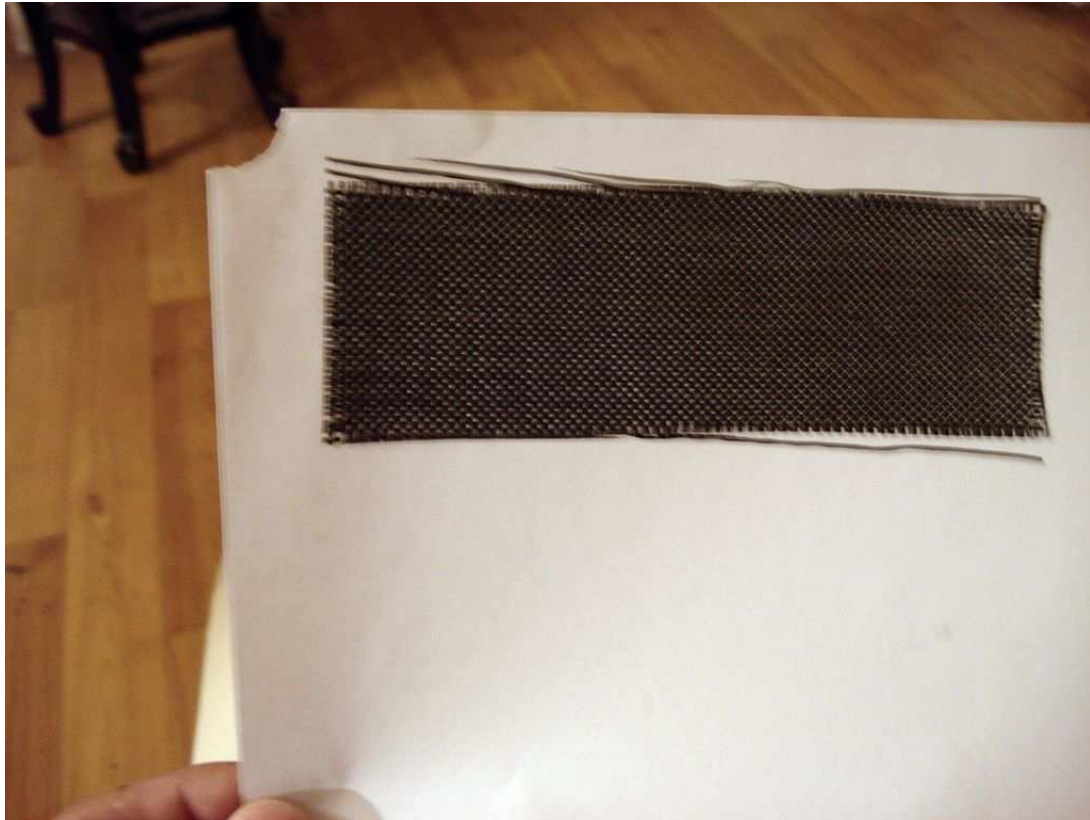
Want to know how to cut the carbon cloth with this beautiful shape? Look!



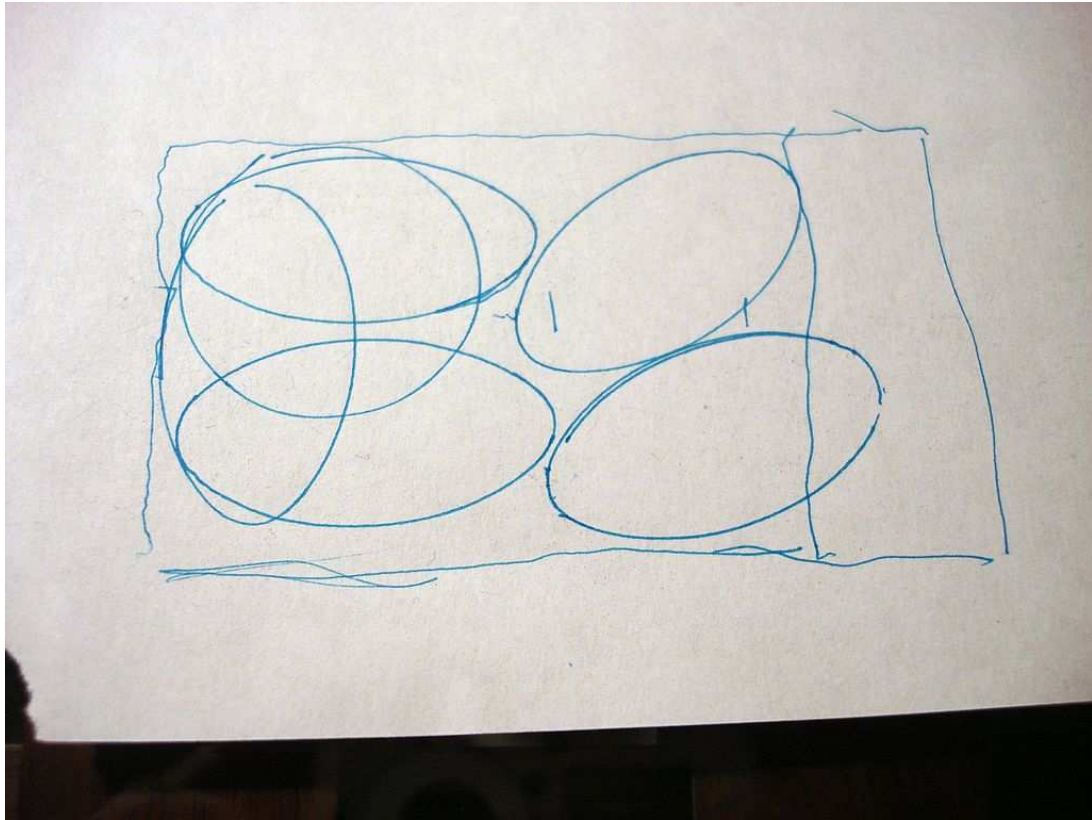
Using 3M 75



Spry the carbon cloth



Stick it to a paper.



Draw the shape and then cut it with a sharp scissors.



Wing joined (5 Min Z-proxy)



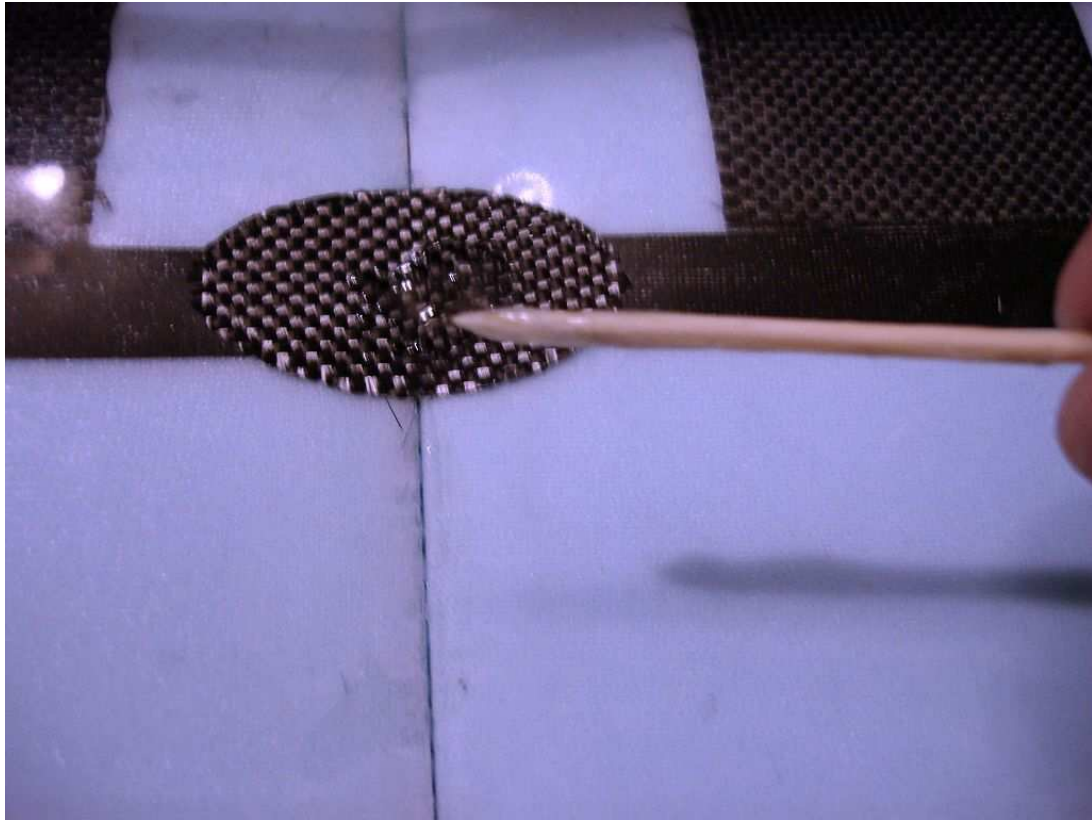
16 CM from the table to the wing tip.



Carbon cloth reinforcement as the first layer



Tear off the paper



Wet it with 30 min z-proxy





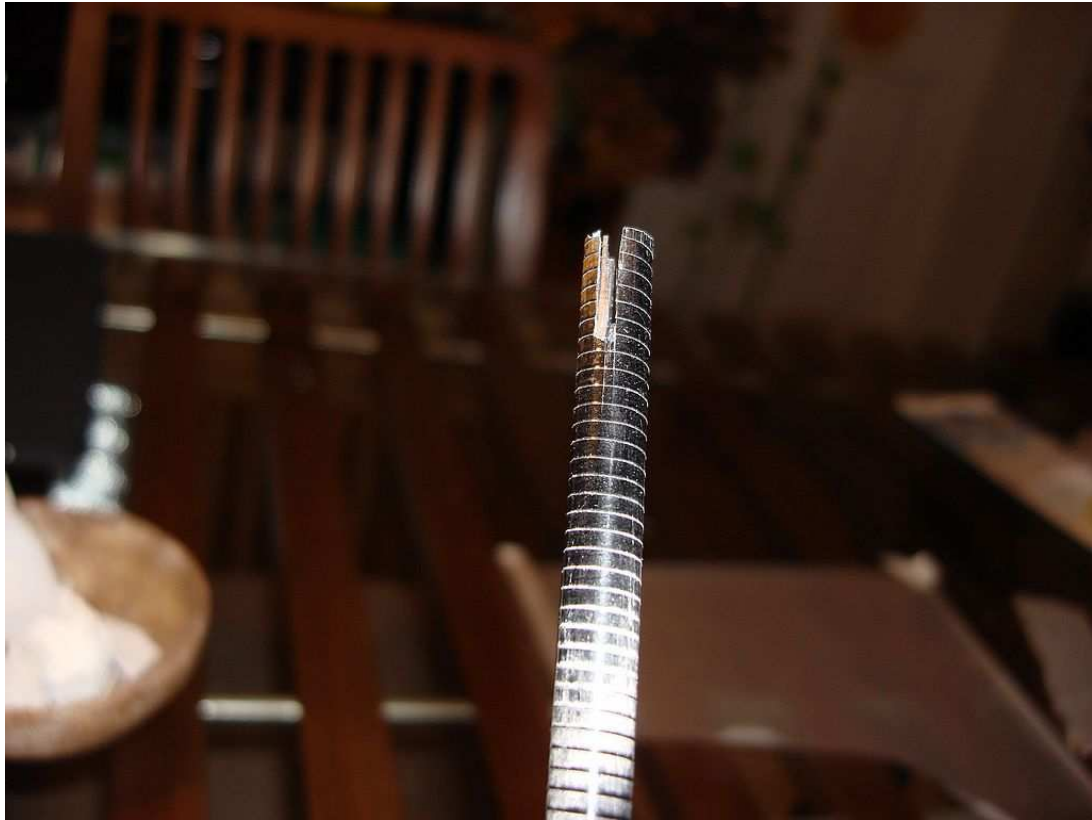
User paper towel to clean the extra z-proxy



While it drying, prepare the rudder and elevator. Find the center of the elevator, and stick a small piece of fiber glass cloth as reinforcement. (As same as the rudder)



User this bevel knife to cut the 45 bevel.



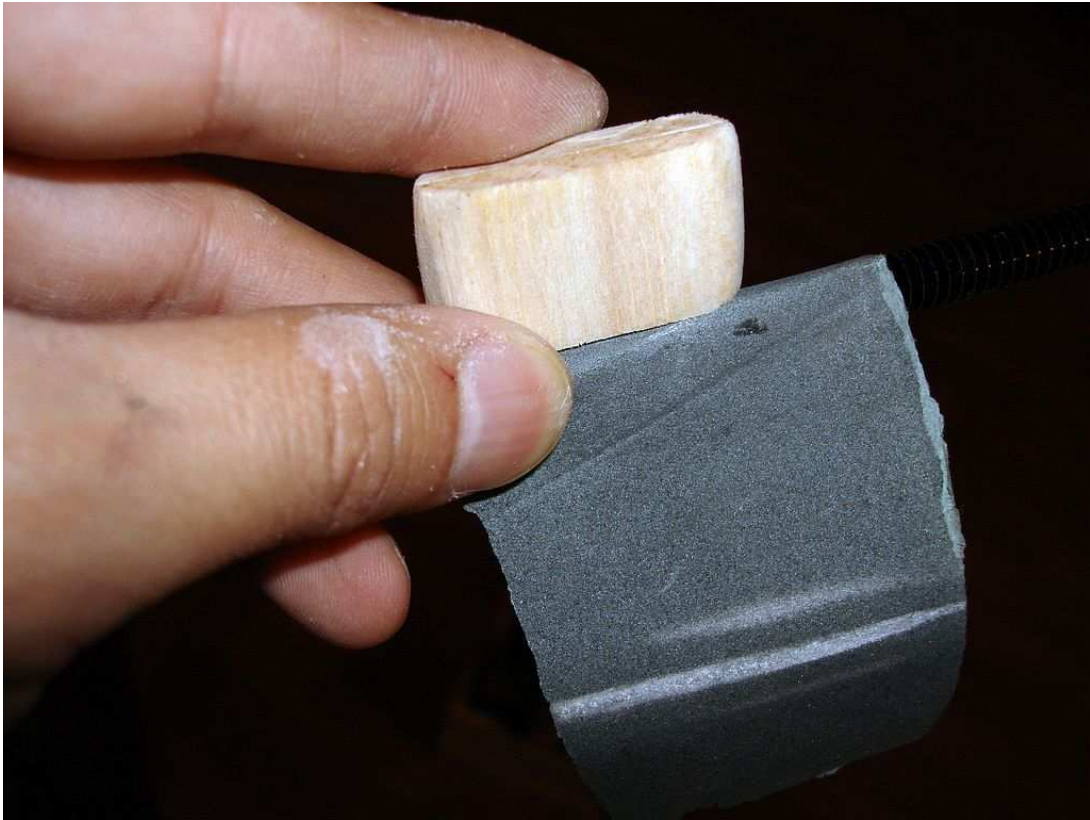
Cut the tail with a 1mm slot



Prepare the elevator stand



Sand it to round shape



Sand it on boom tail



Scrape off the extra proxy from the boom tail...Be sure just the shining layer...



Join the rudder and the elevator together. Make sure the right angle 90 for each other. Cover the rudder and the elevator before join it (I miss some pic here)



Waiting.



Elevator and rudder are at vertical position to each other.



Reinforce the rudder and elevator with fiber glass cloth and z-poxy



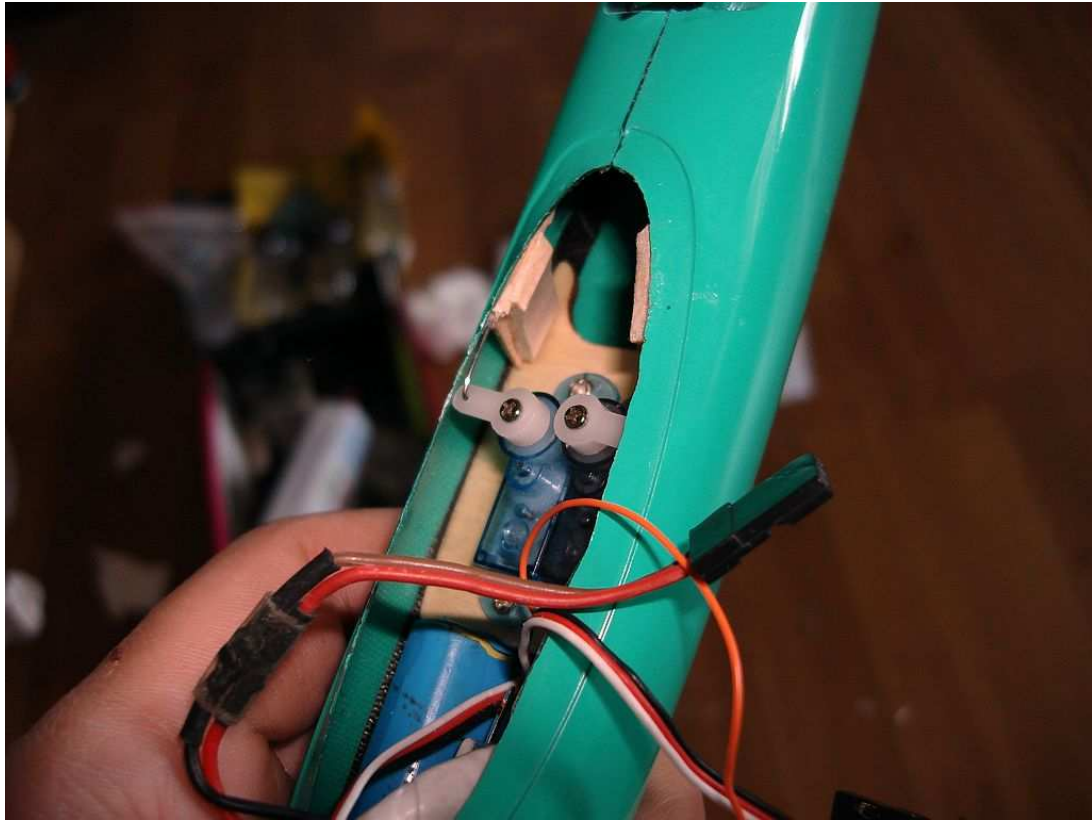
Drill the hole on joined main wing



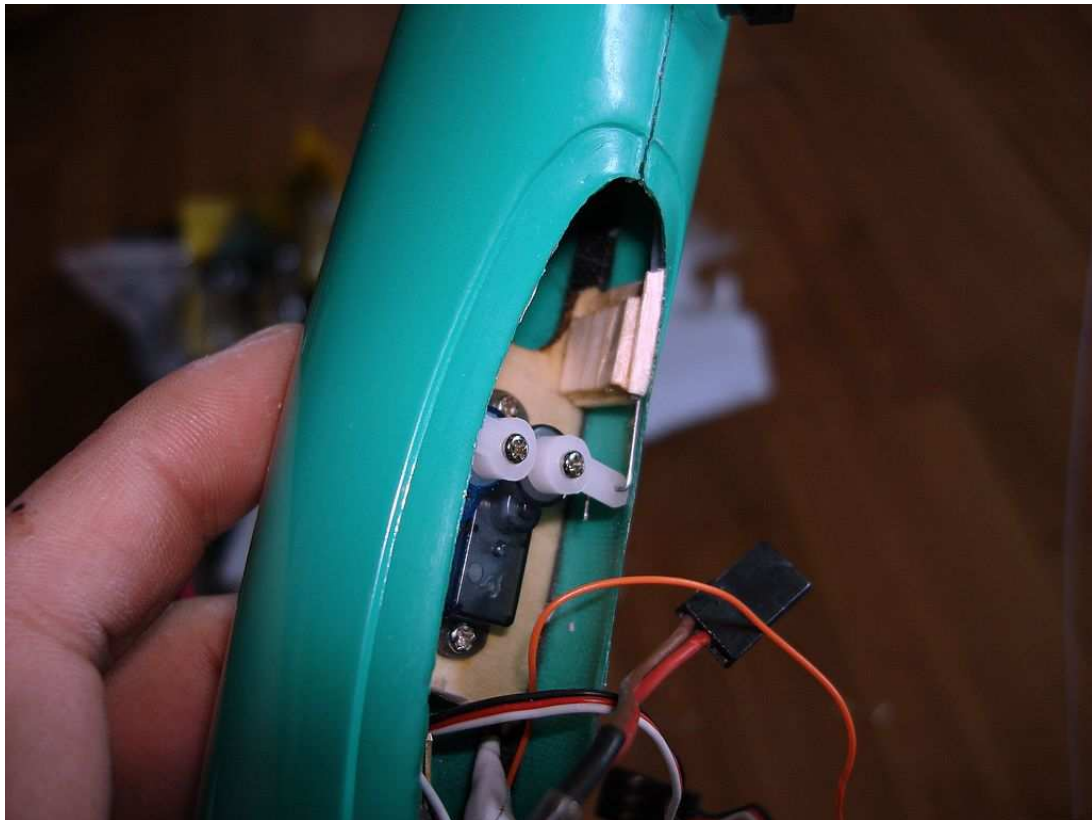
Carbon cloth reinforcement for launch peg.

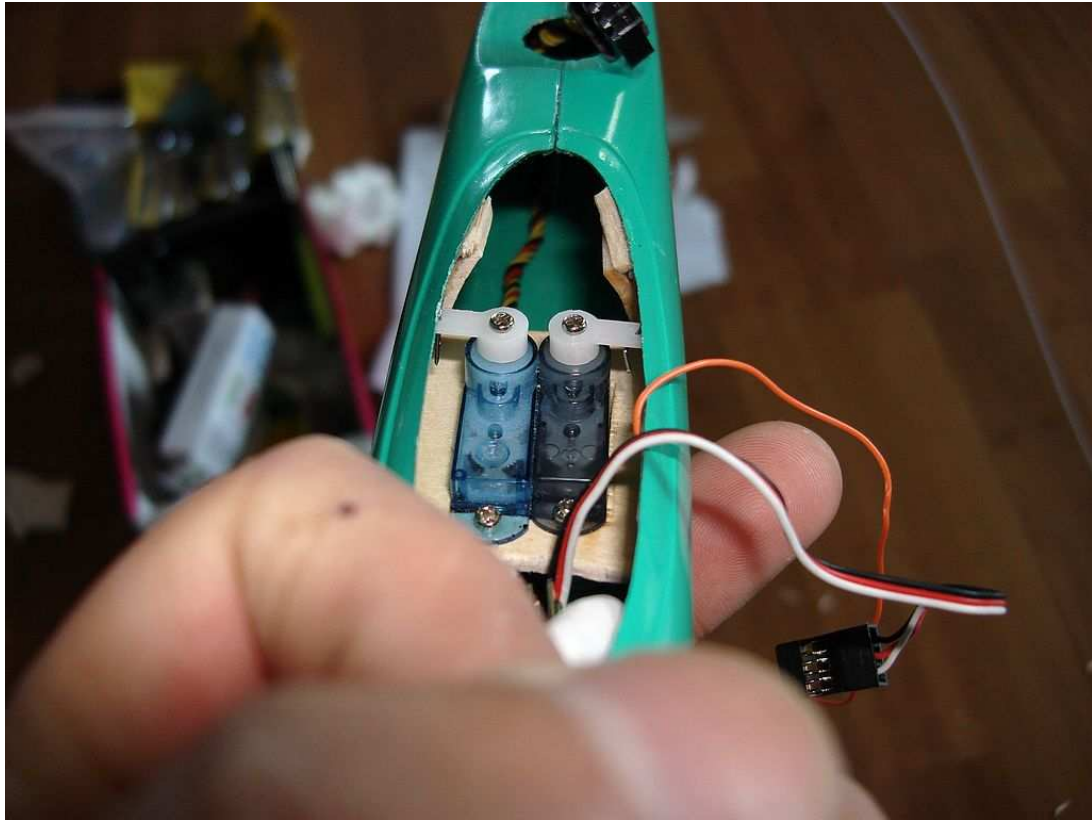


Almost done.

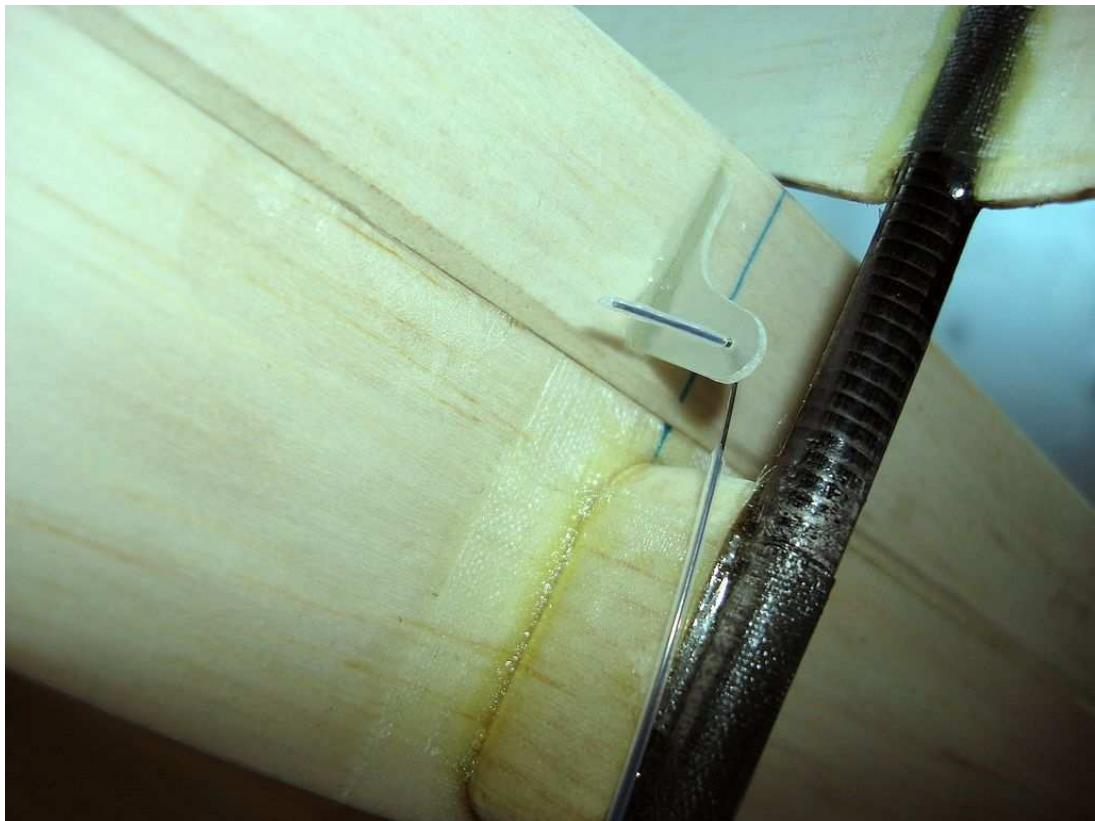


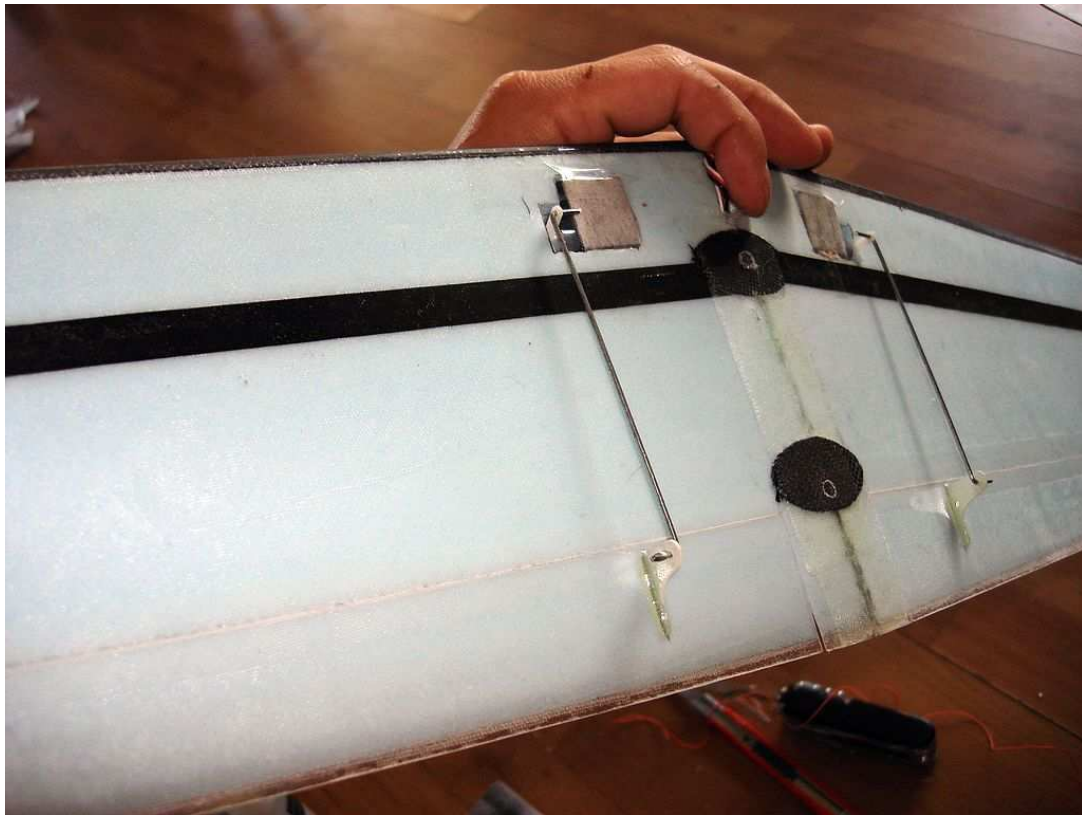
Put the server inside the pod and fixed the pushrod





Install the horn, make use it through the surface and glue it with z-poxy.





Done.....

This installation can been download from:

WWW.TOPSOARING.COM

Thanks to Mr. Denver