



Thank you for purchasing a Warlock from TBRC Wings.

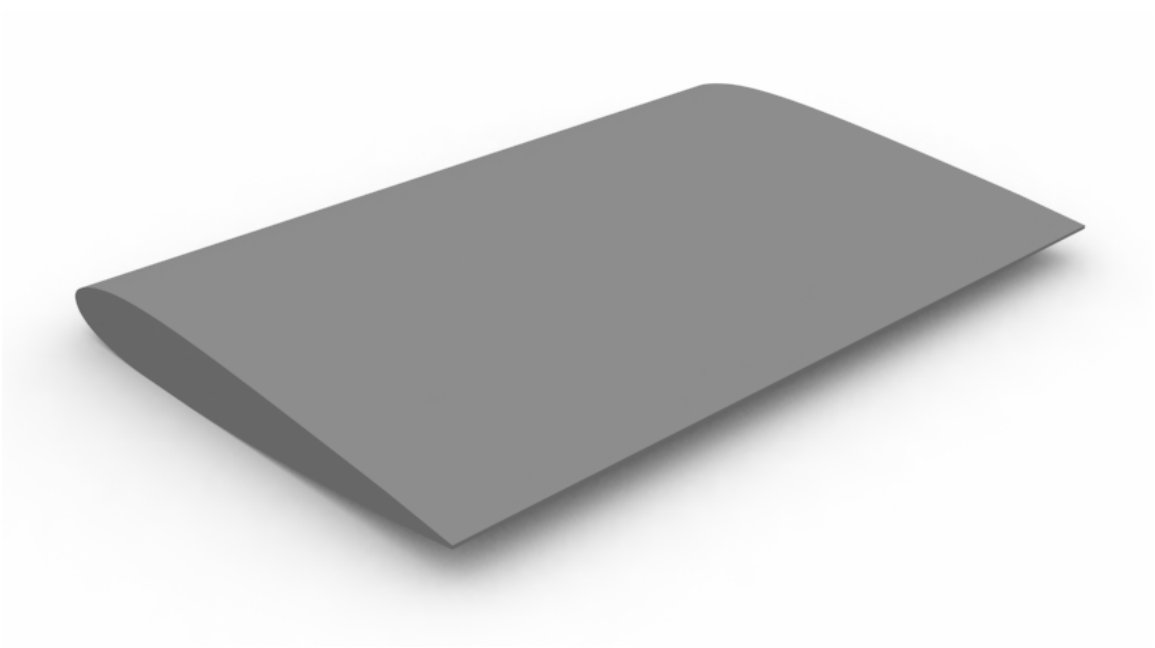
Kit Contents

- 1x Center wing panel
- 2x Outer wing panels
- 2x Tail booms
- 1x Fuselage
- 1x Coroplast horizontal stabilizer with built in elevator
- 2x Vertical stabilizers
- 12x Spars
- 2x Balsa ailerons
- 1x 2-56 Control rod with plastic clevis for elevator
- 1x Plastic control horn for Elevator
- 2x 2-56 Control rods with metal clevises for ailerons
- 2x Heavy duty aluminum control horns
- 1x Laser cut ply motor mount
- 8 Feet 3mil laminate
- 3x Decals

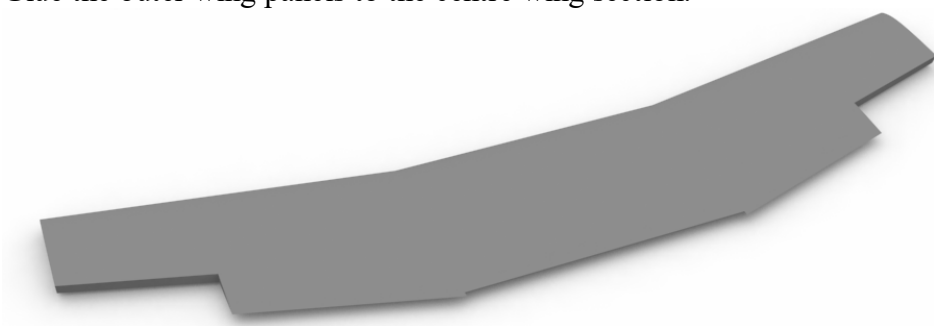
Centre of Gravity (CG) is 1.25" (32mm) from the leading edge of the wing.

Step1

Trim 5mm off the trailing edge of the wing centre section. This is so that it fits perfectly inside the booms.

**Step2**

Glue the outer wing panels to the centre wing section.



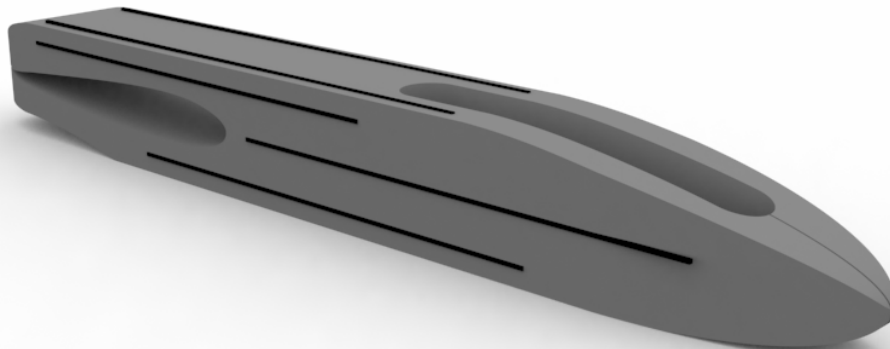
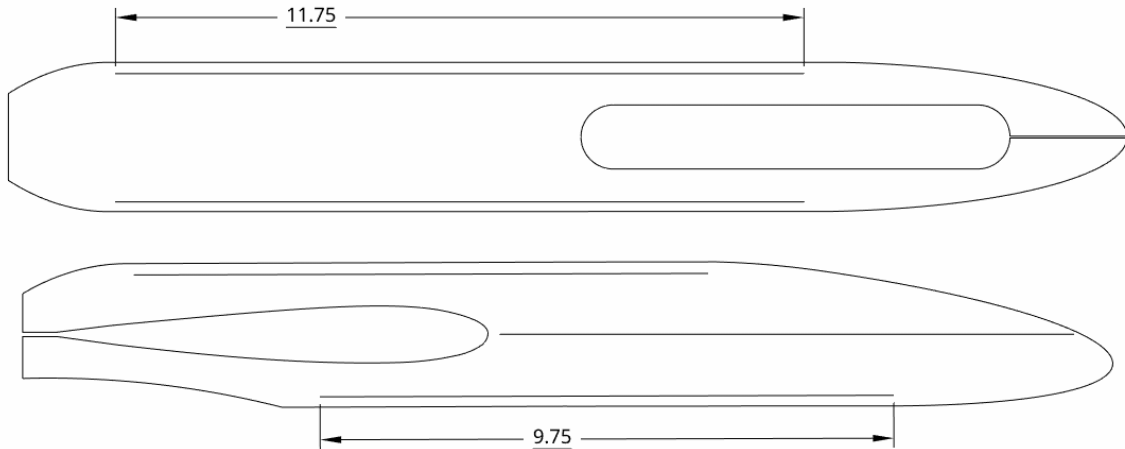
Step3

While the glue is drying on the wing panels cut spar channels into your fuselage and booms and install the fiberglass spars.

Fuselage Sparing top, bottom and sides.

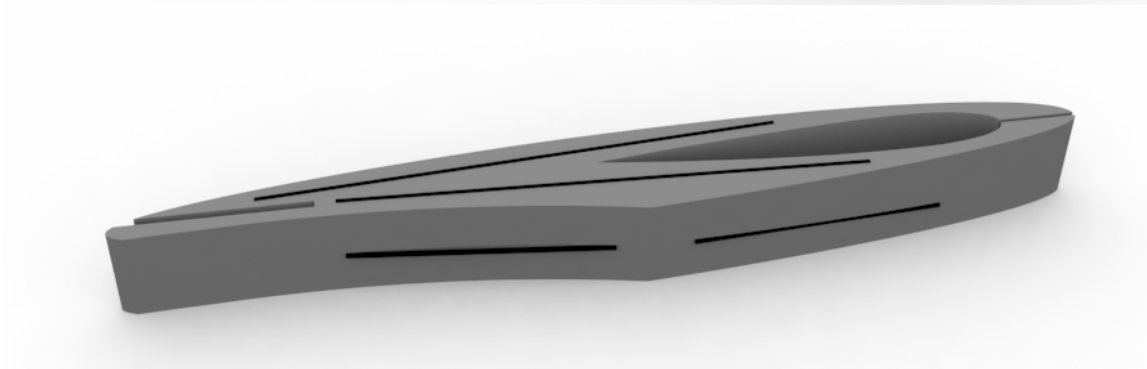
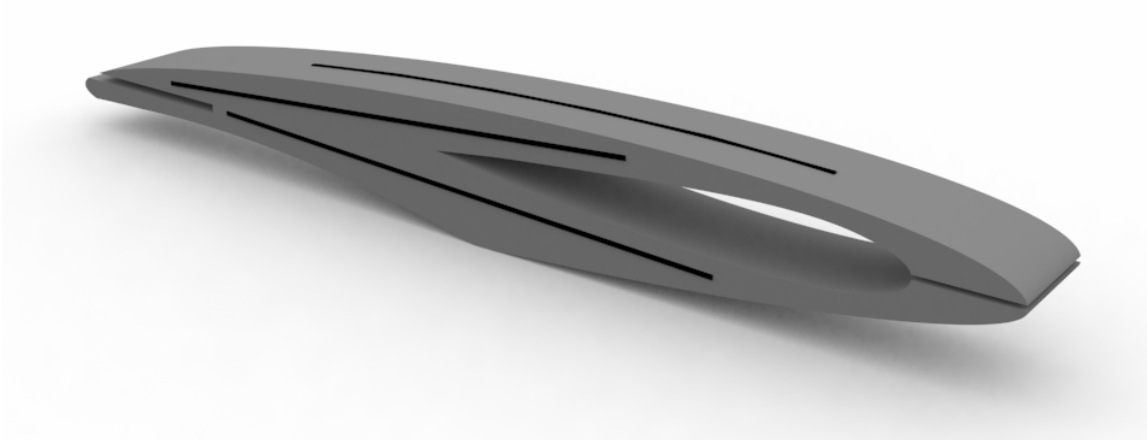
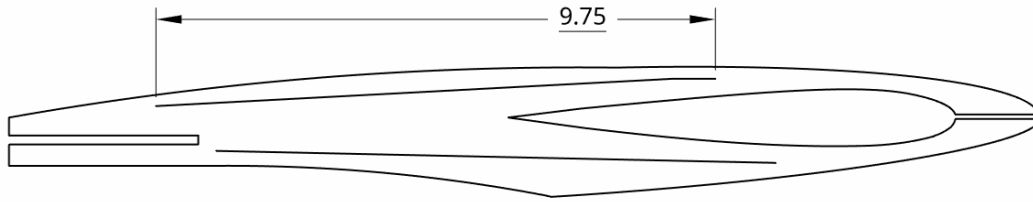
For the top and bottom the spars are to be cut to 11.75 inches.

For the sides they are to be cut at 9.75 inches



Boom Spars

Cut the boom spars to 9.75" length and install them on the top, bottom and sides of the booms as shown.



Step4

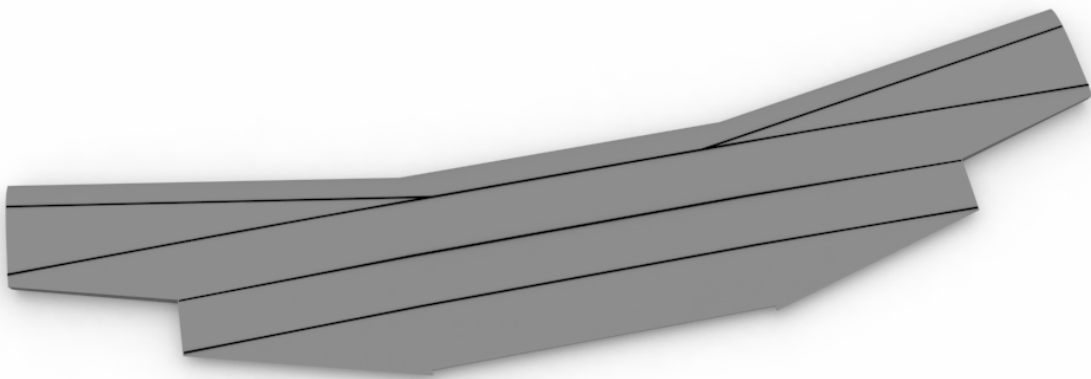
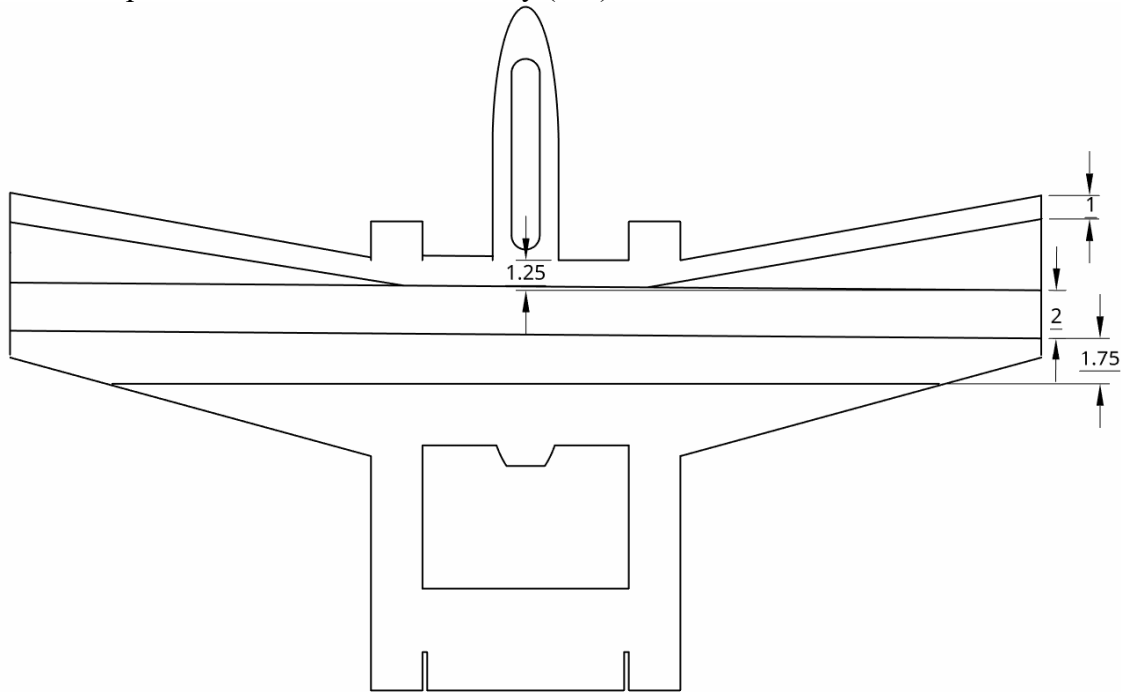
Cut and add the spars to your wing. Be careful that you make sure the wing is straight and without warp as the glue dries. Pay particular attention to the outer wing panels as they are tapered. Be sure to spar top and bottom of the wing.

The main spar is 1.25" back from the leading edge of the centre section.

The secondary spar is 2" back from that first spar

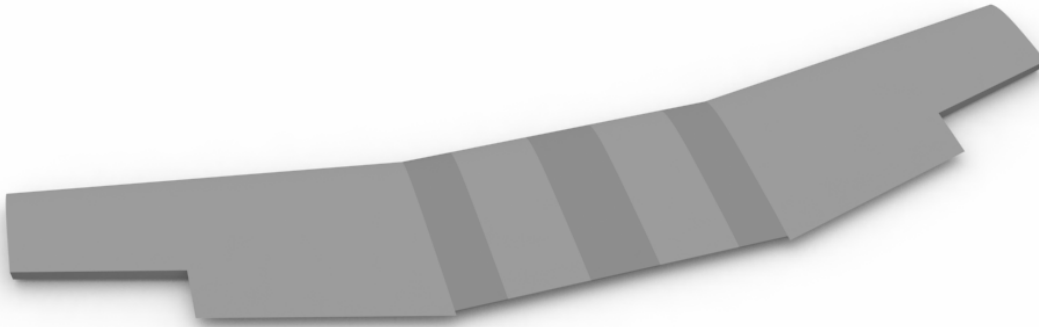
The third spar is 1.75" back from the second spar

The main spar is also the Centre of Gravity (CG) line.



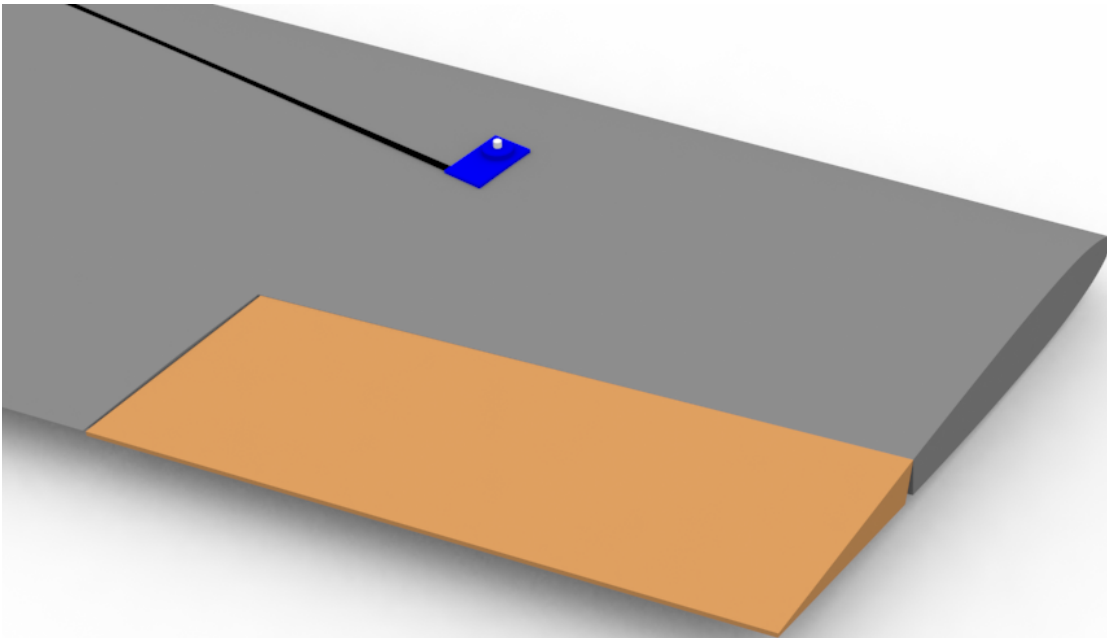
Step5

Laminate the wing with the supplied laminate. Cut out spaces in the laminate for where the booms and fuselage will attach. This way when we attach them they will be glued foam to foam for the best bond possible.



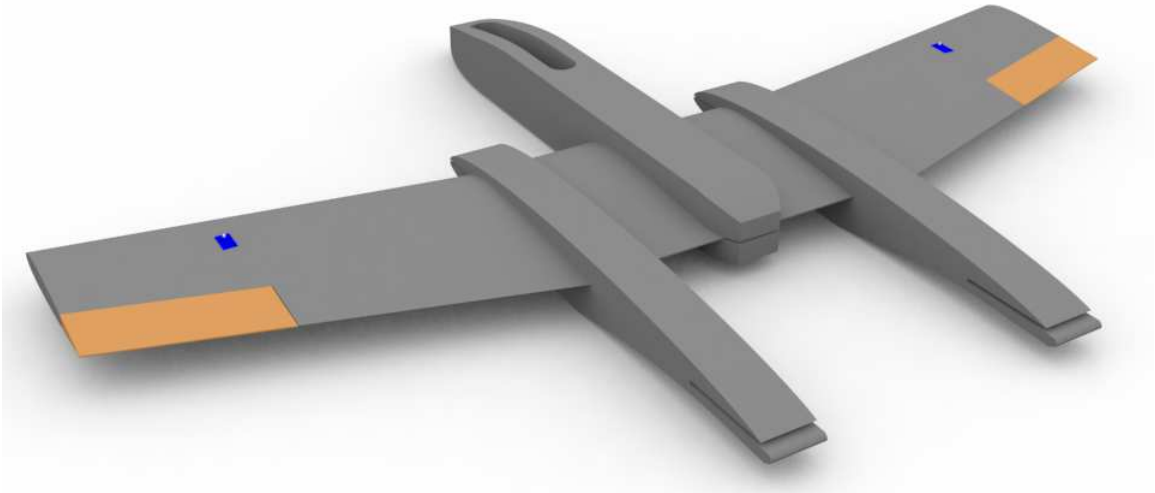
Step6

Laminate and install the ailerons to the outer portions of the wings. Install the aileron servos so you can embed the wires along the wing under where the booms will be installed.

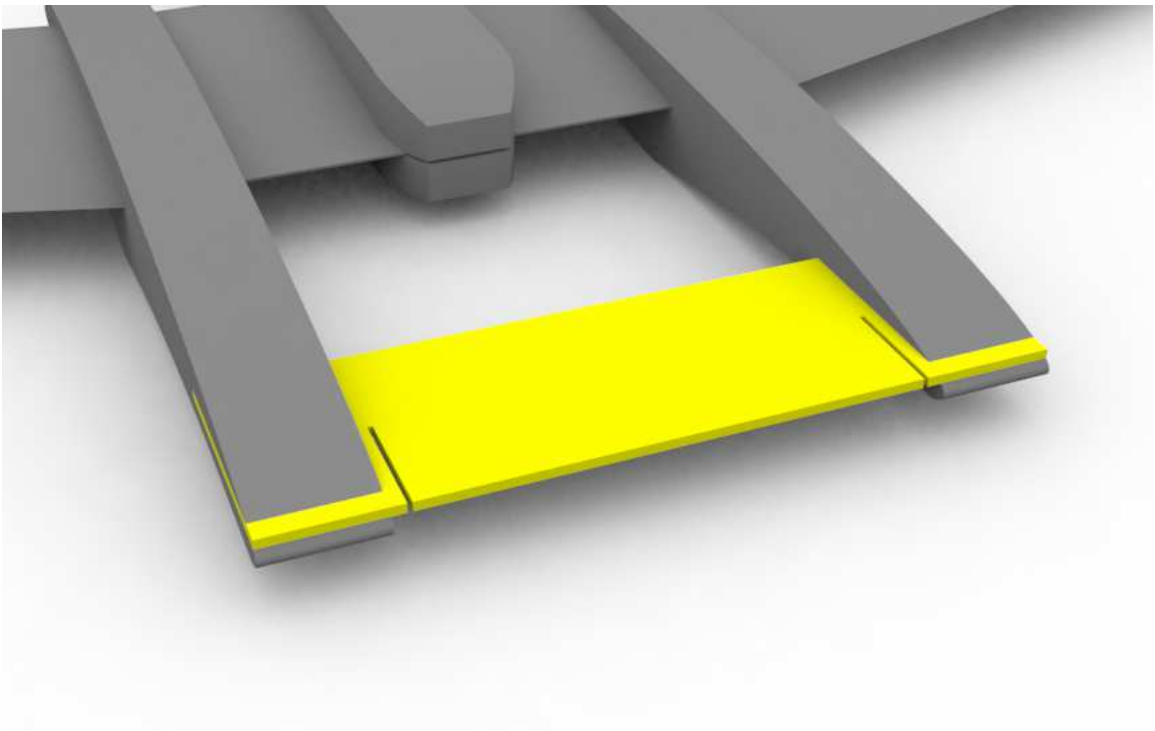


Step7

Glue the booms and the fuselage to the wing, be sure that they are straight and parallel.

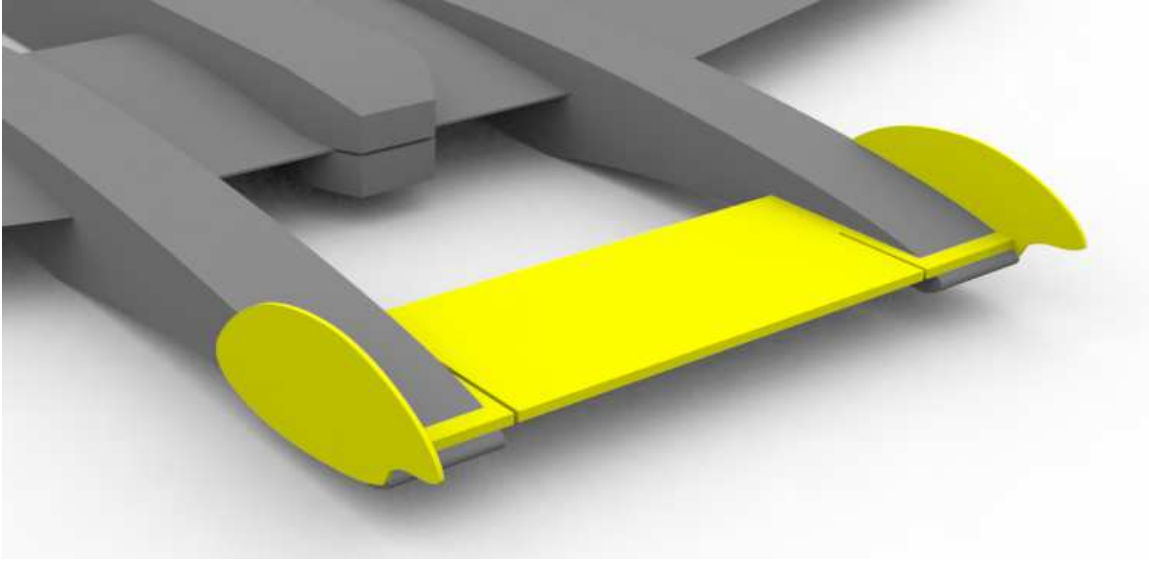
**Step8**

Glue in the horizontal stabilizer in the slot at the back of the booms. Be sure that the elevator is at the back.

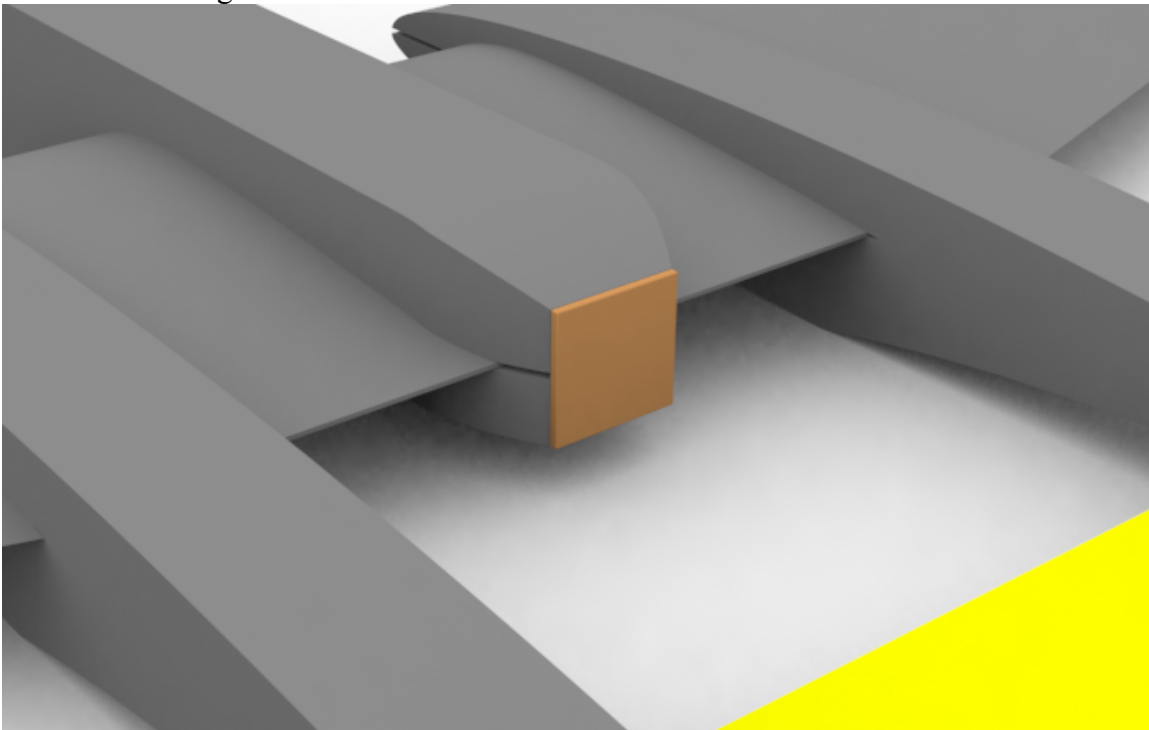


Step9

Glue the vertical stabilizers on the outside rear portion of the booms.

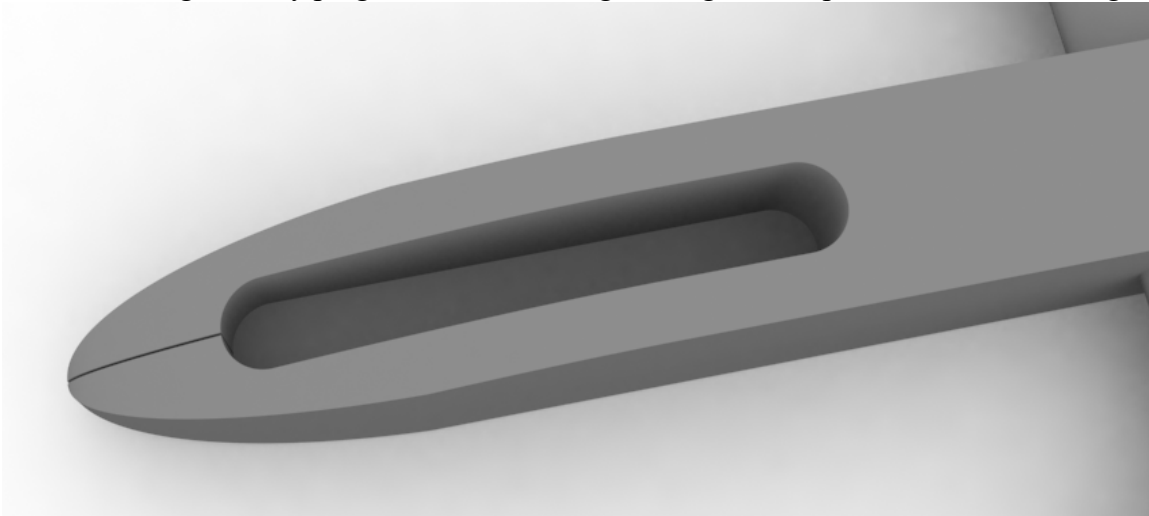
**Step10**

If you are making the Warlock in a pusher configuration attach the motor mount to the rear of the fuselage.

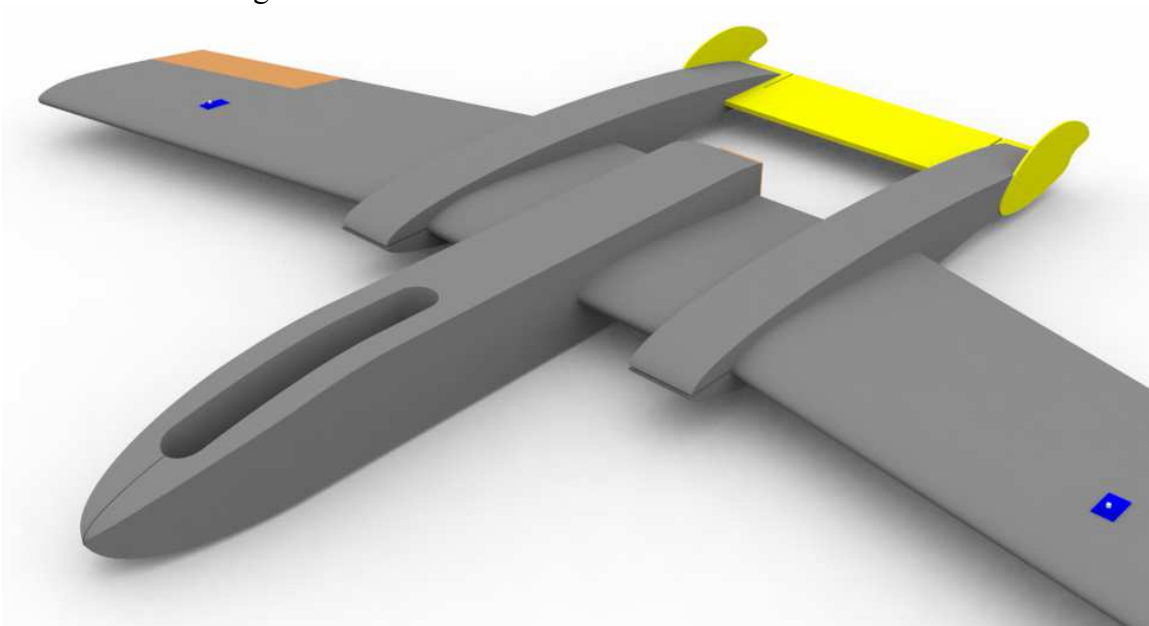


Step11

Cut the fuselage battery plug to the desired height and glue it in place inside the fuselage.

**Step12**

Laminate the fuselage and the booms

**Step13**

Install the electronics. The elevator needs only small throws. Connect the pushrod to the centre hole and the second hole down on the elevator control horn to decrease pitch sensitivity.

Step14

Go out and fly.

Centre of Gravity (CG) is 1.25" (32mm) back from the leading edge of the middle wing section.