

Su27 Assembly Manual





Packing list:

- 1: PP Su27 fuselage *1
- 2: Carbon tube 5*4*650mm*1
- 3: Pull rod *2
- 4: Motor mount *1
- 5: Quick rod adjuster *4
- 6: Hinge*4
- 7: M3 screws*4
- 8: Hook and loop tape*1



Tools:

- 1: 1.5mm allen wrench
- 2: Phillips screwdriver
- 3: Modelling knife
- 4: Wire cutters
- 5: Hot melt glue gun and glue sticks
- 6: Foam Glue
- 7: No.502 glue

Electronic equipment:

Motor: 2208-2212-2216 1400KV-2600KV*1

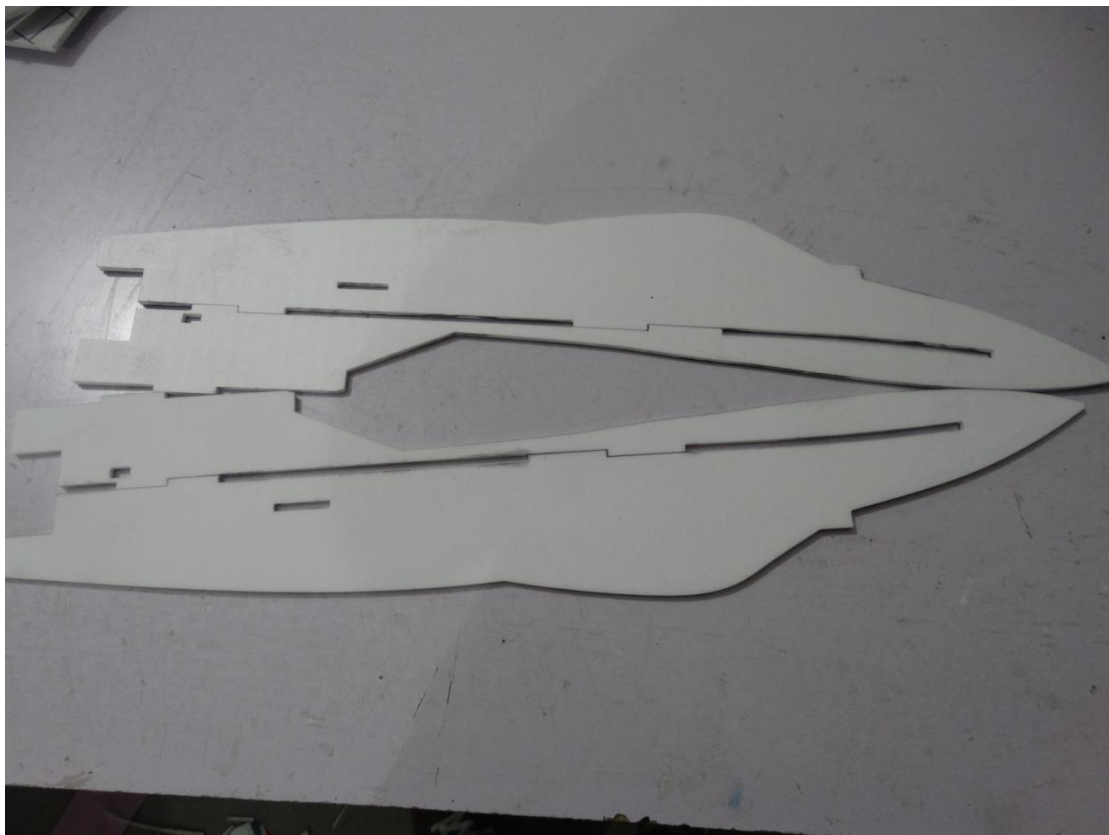
Prop: 5-8 inch *1

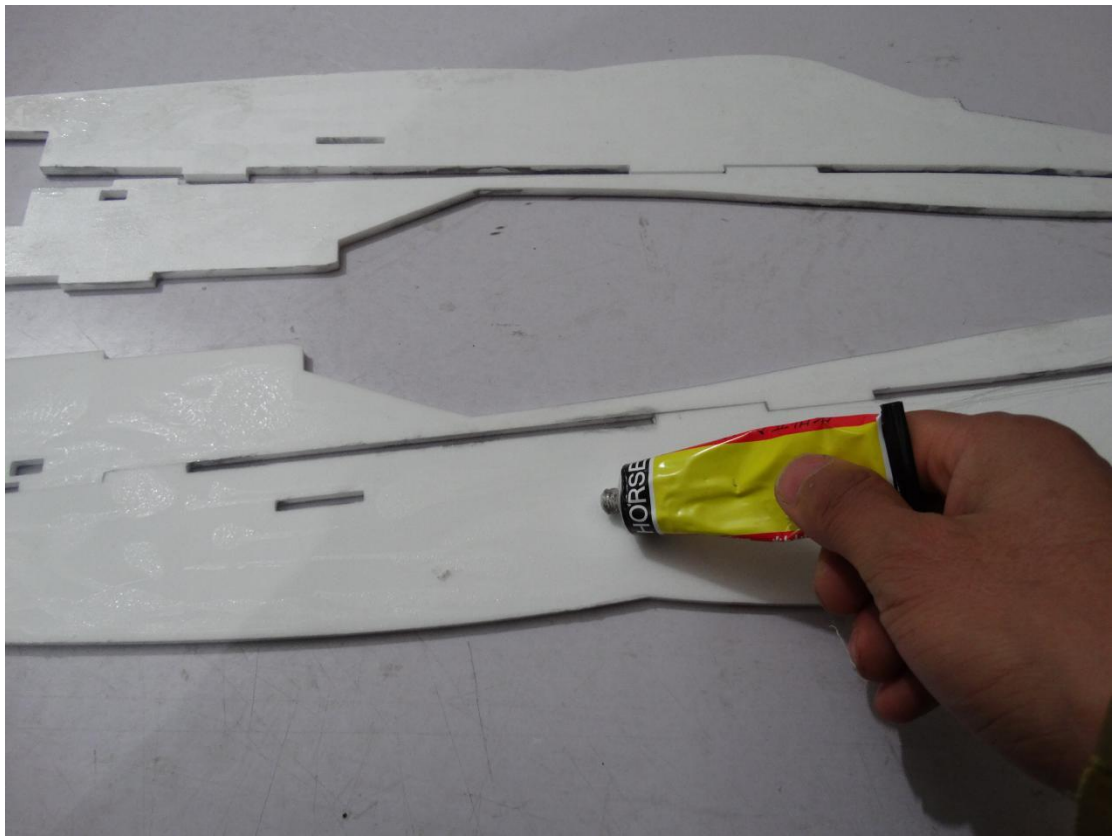
ESC: 20-40A*1

Servo: 8/9g *2

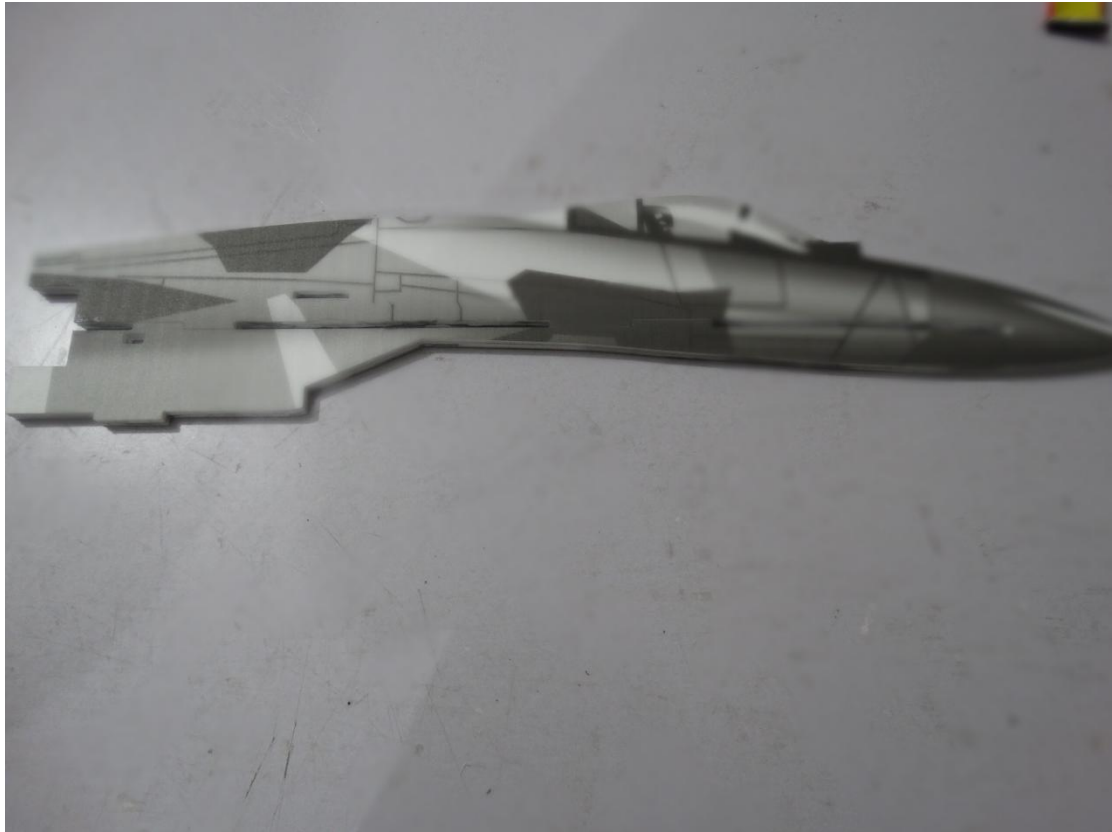
Battery: 1300-2200mah 3S *1

Applying foam glue on 2 pcs nose.

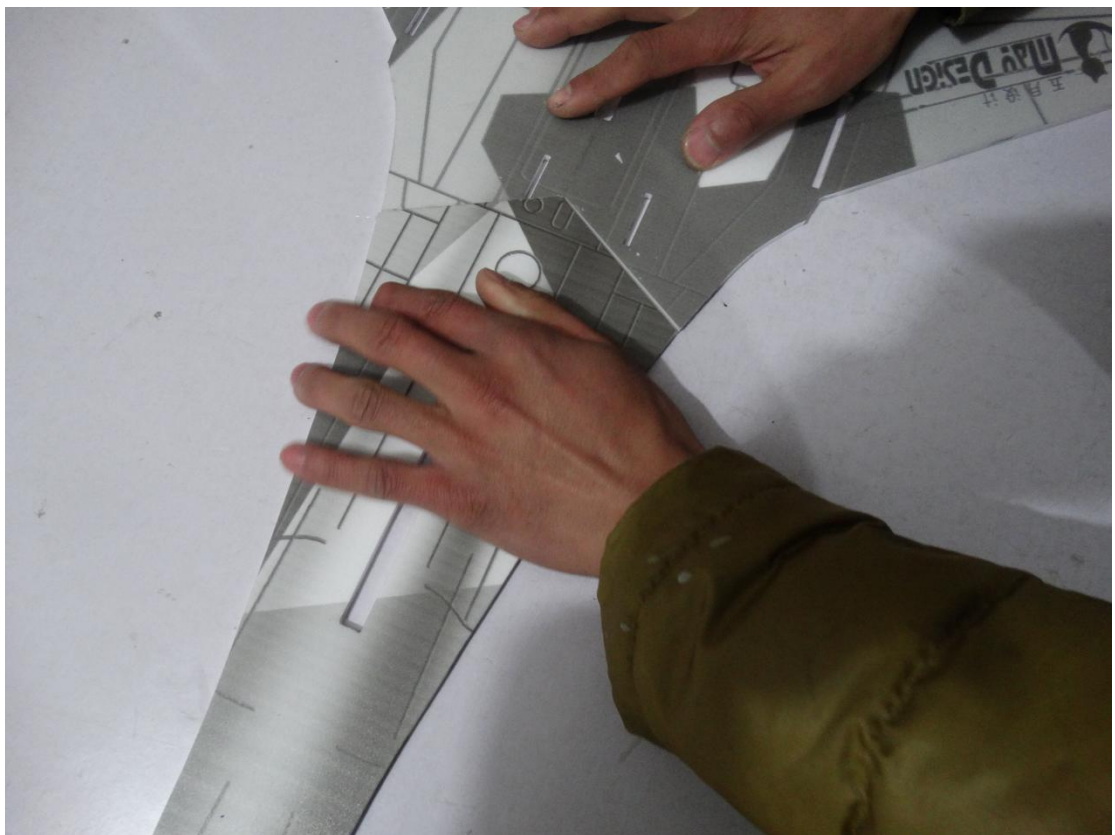


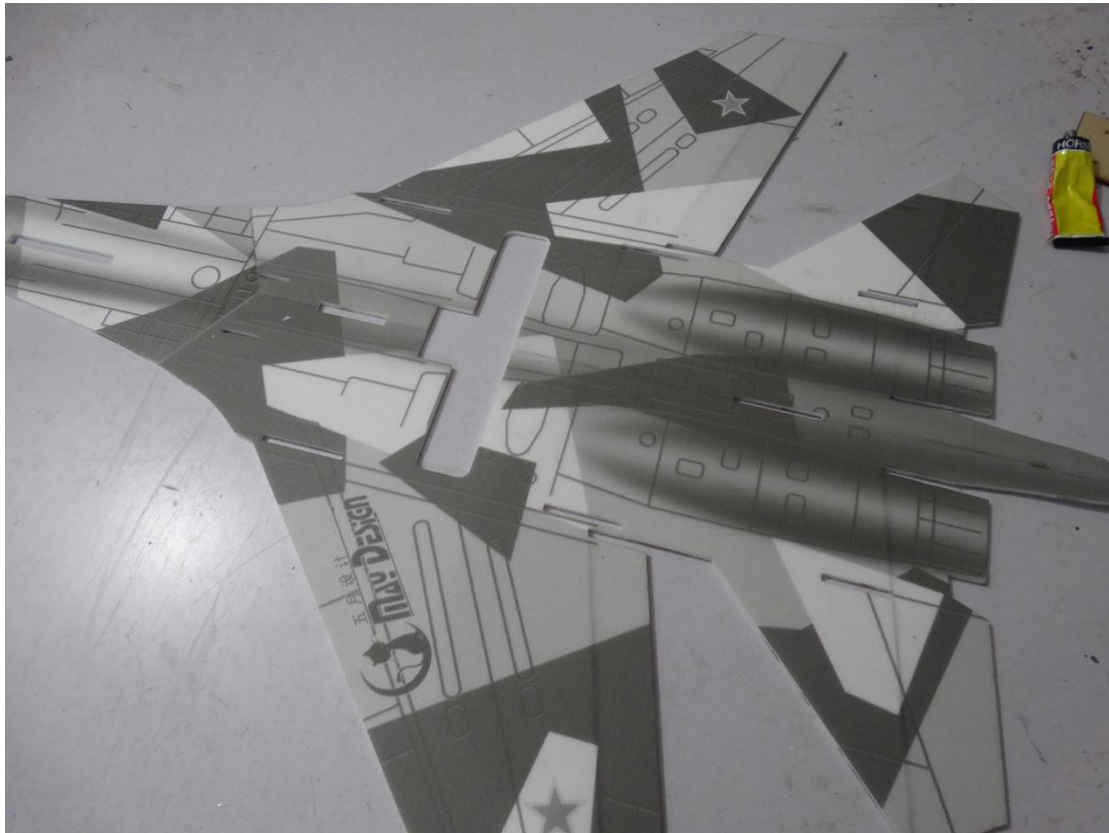


Important: Wait 3 mins after applying foam glue, then assemble the 2 pcs nose. Make sure 2 pcs nose trim. Especially for step.

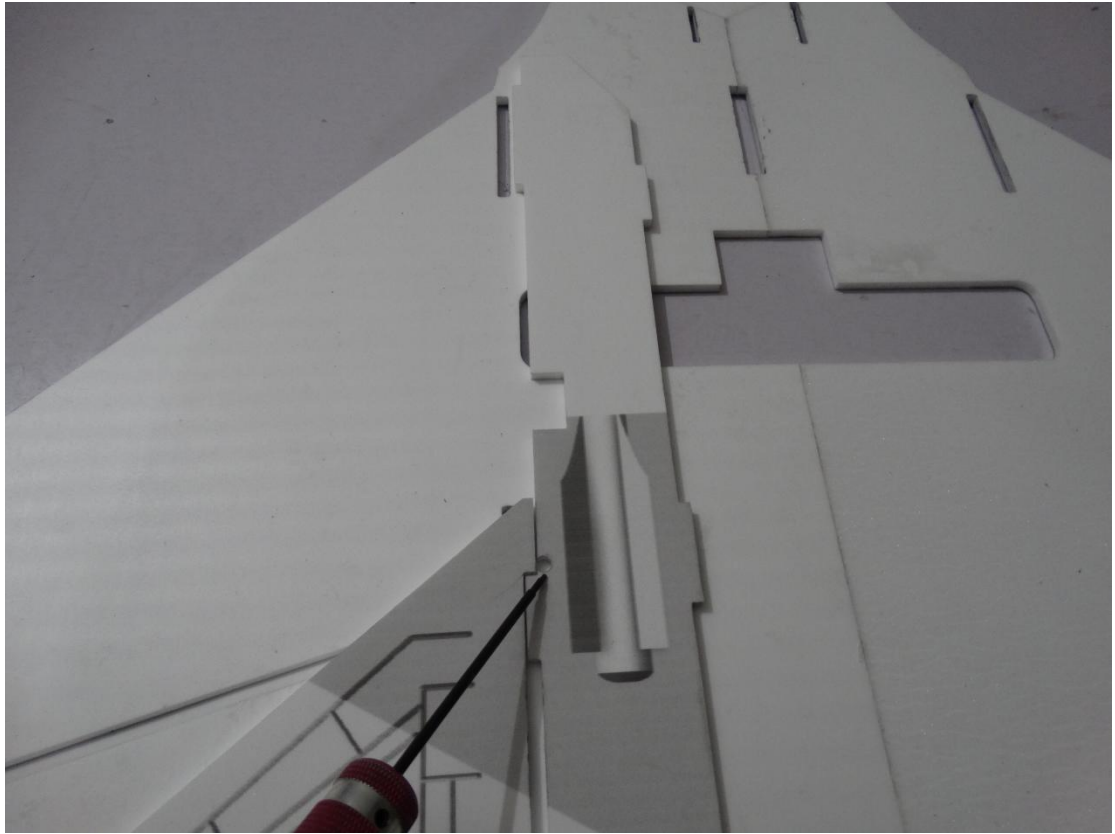


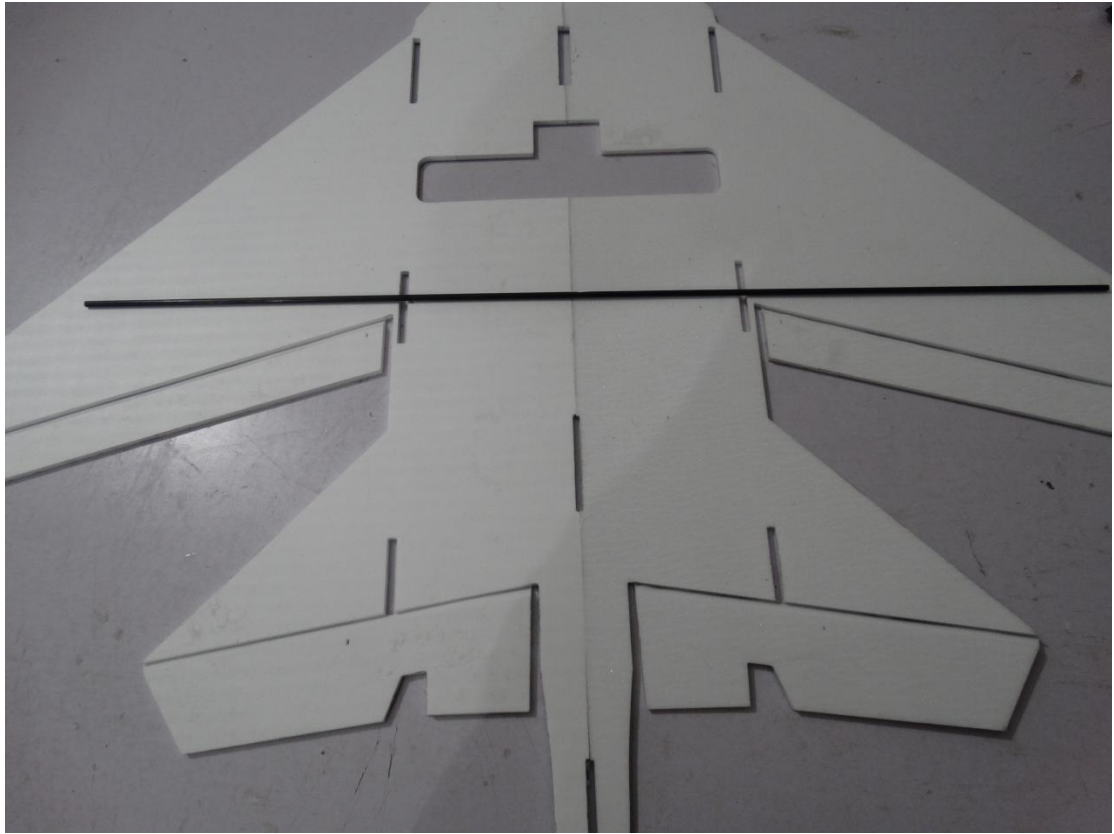
Glue the 3 pcs horizontal fuselages using hot glue sticks.





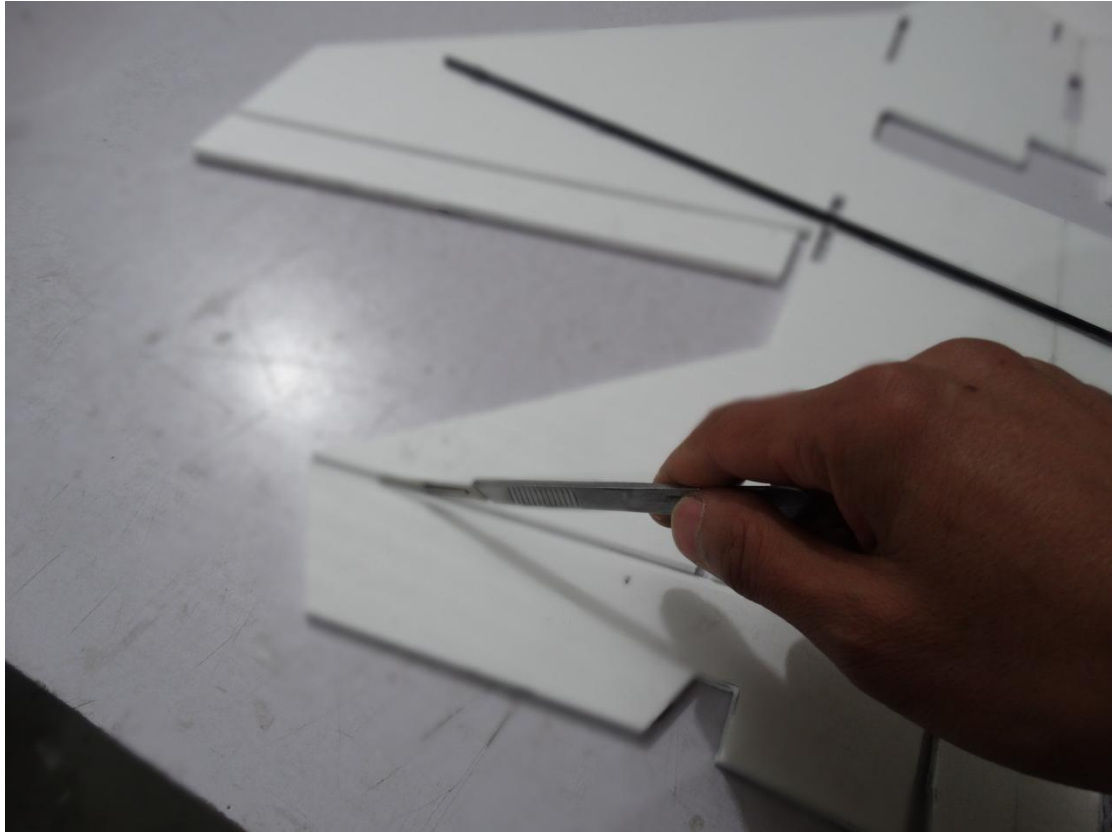
Put the vertical tail on the fuselage and mark the hole for carbon tube. Then put on the carbon tube on the hole's location.



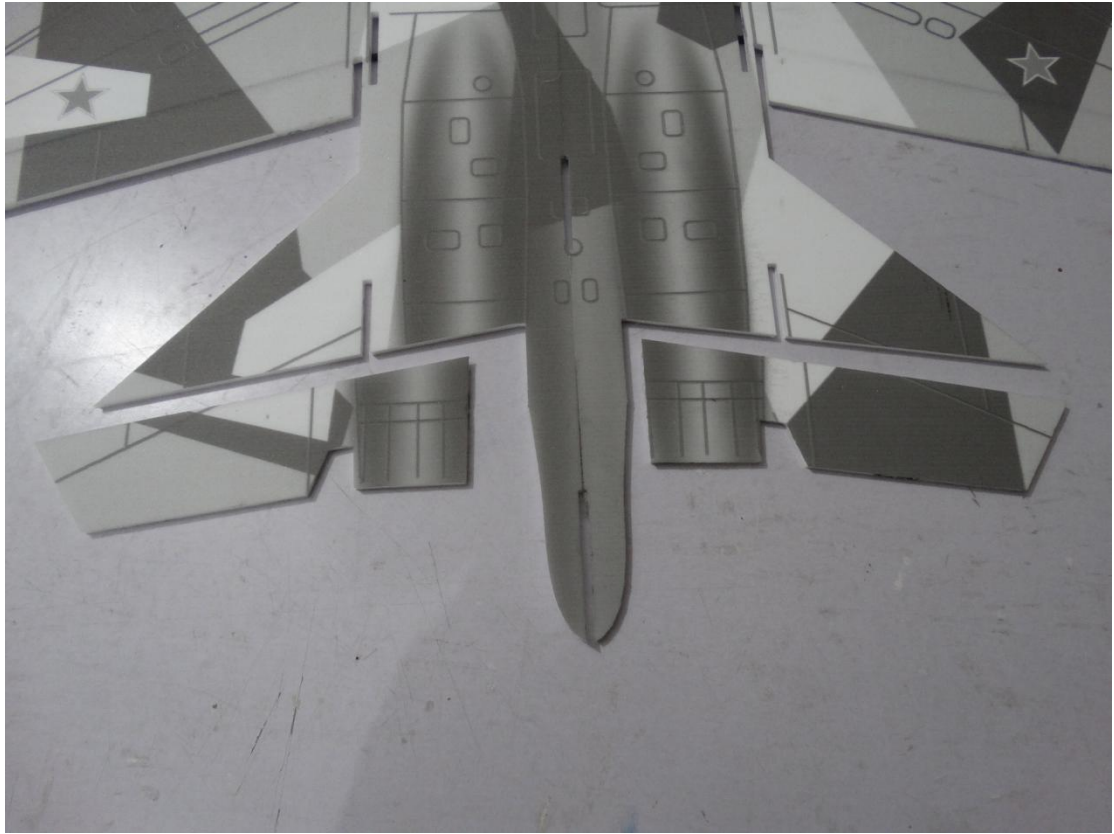


Glue the carbon tube on fuselage using hot glue sticks.

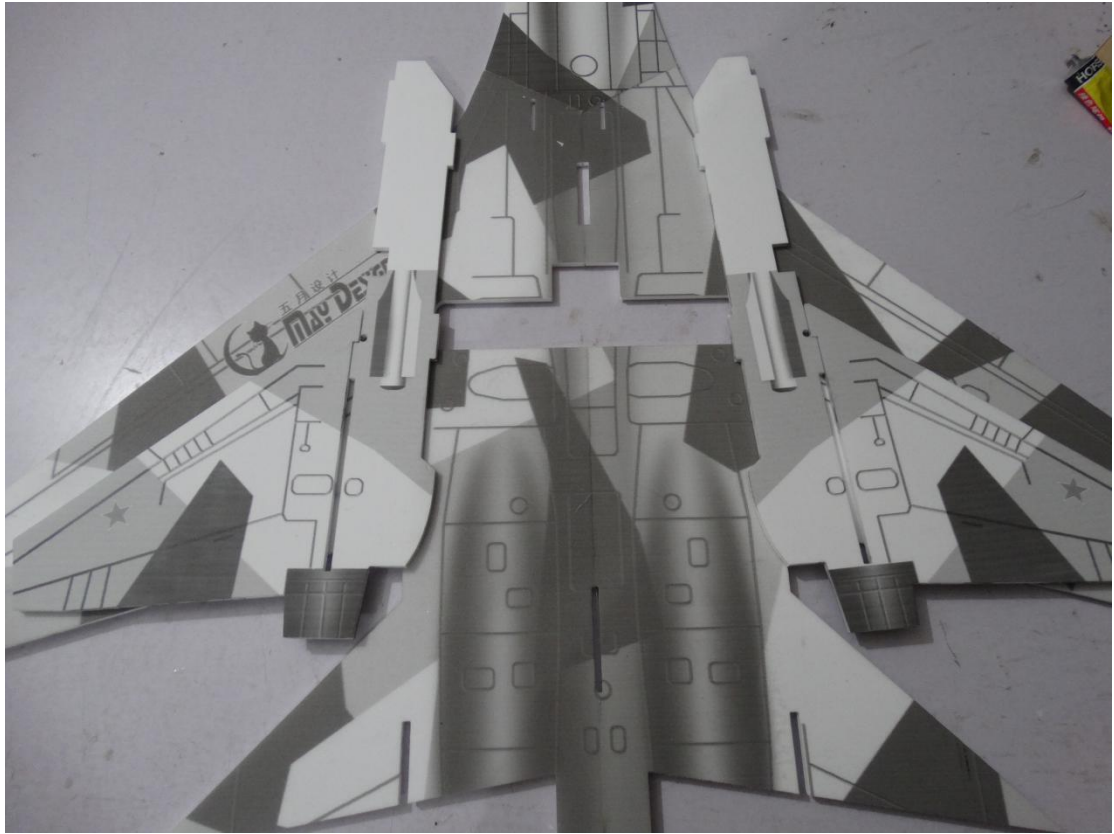




Cut the horizontal tail using knife.

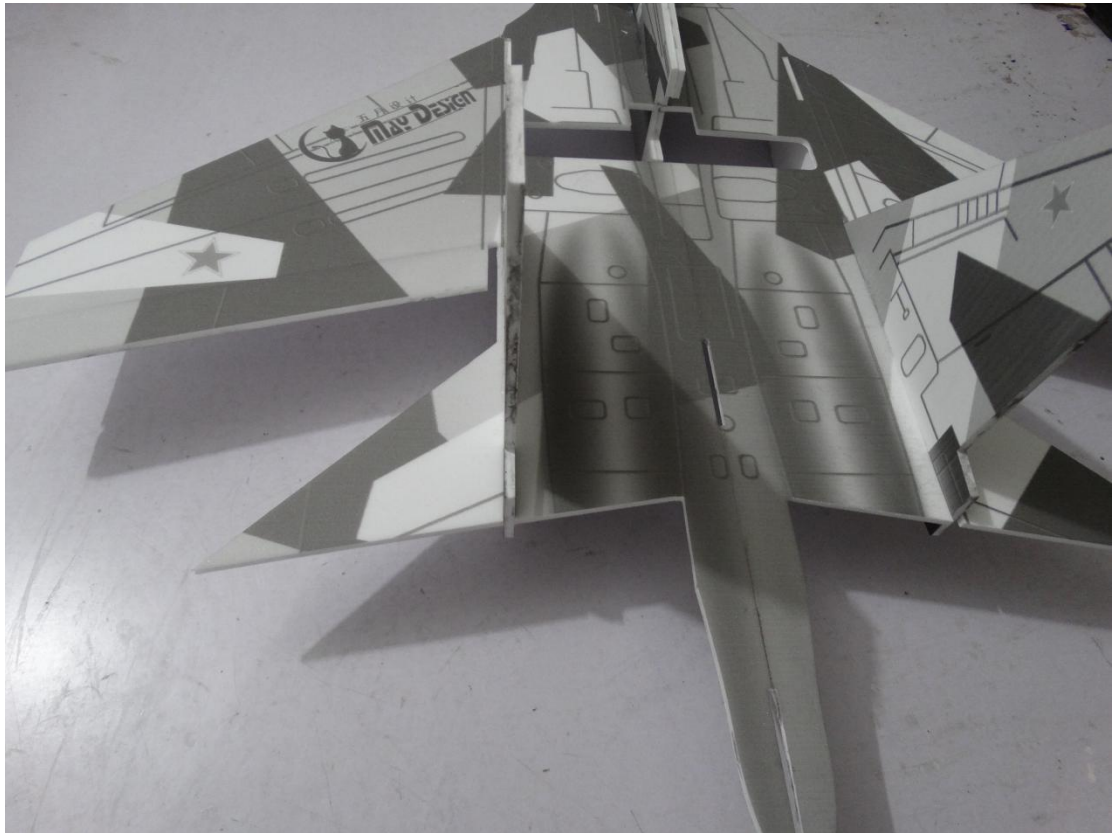


Assemble all vertical tail on fuselage using hot glue sticks.

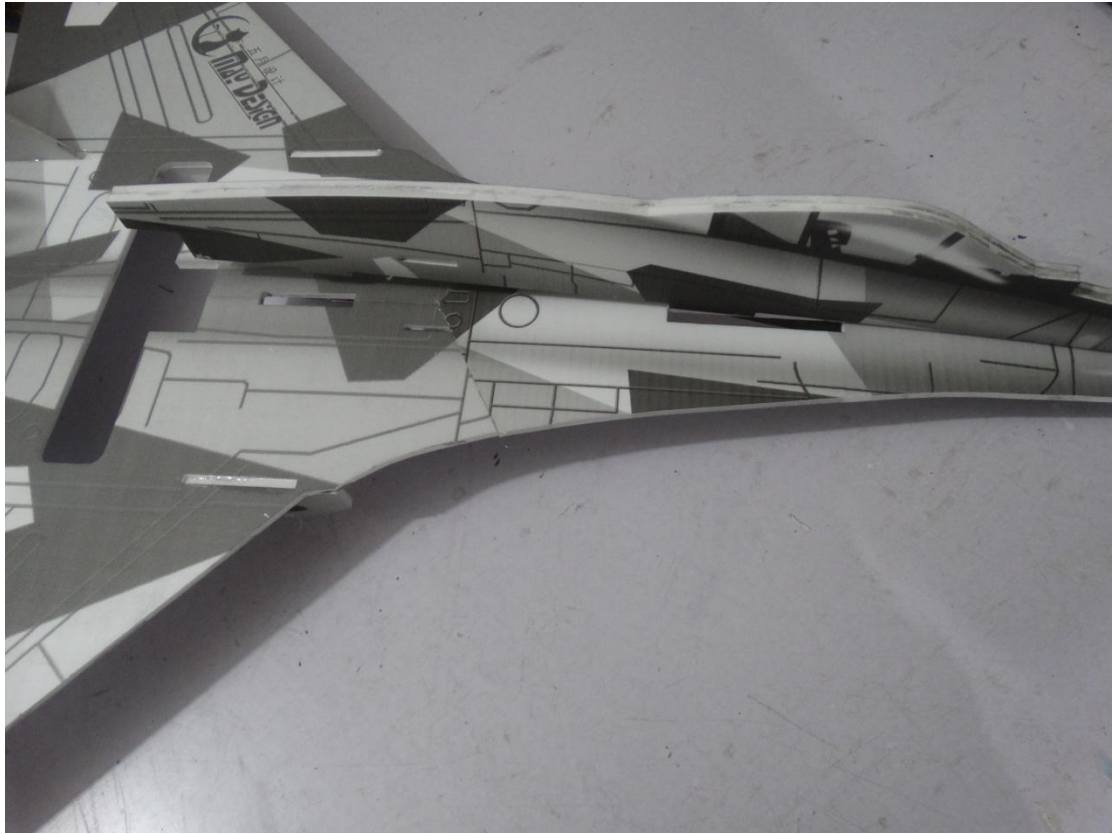


Make sure the vertical tail is vertical to fuselage.





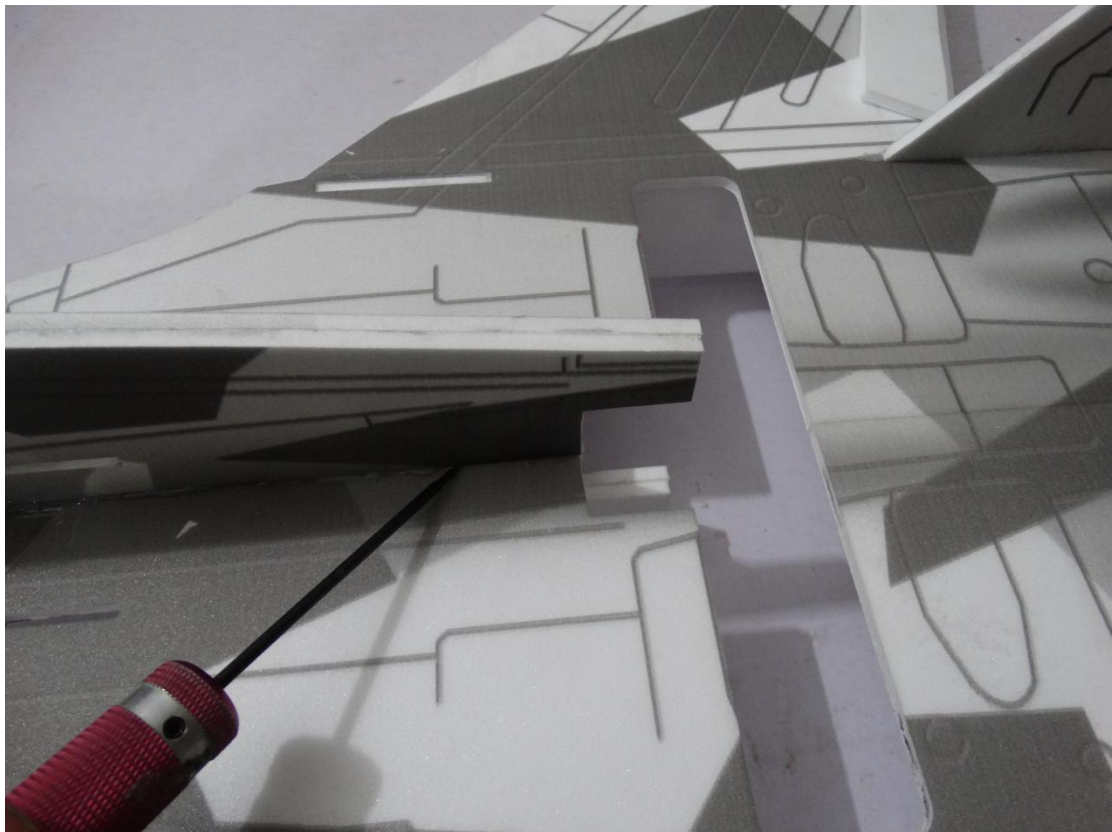
Assemble the nose on fuselage using hot glue sticks, make sure the motor mount location must be flat!



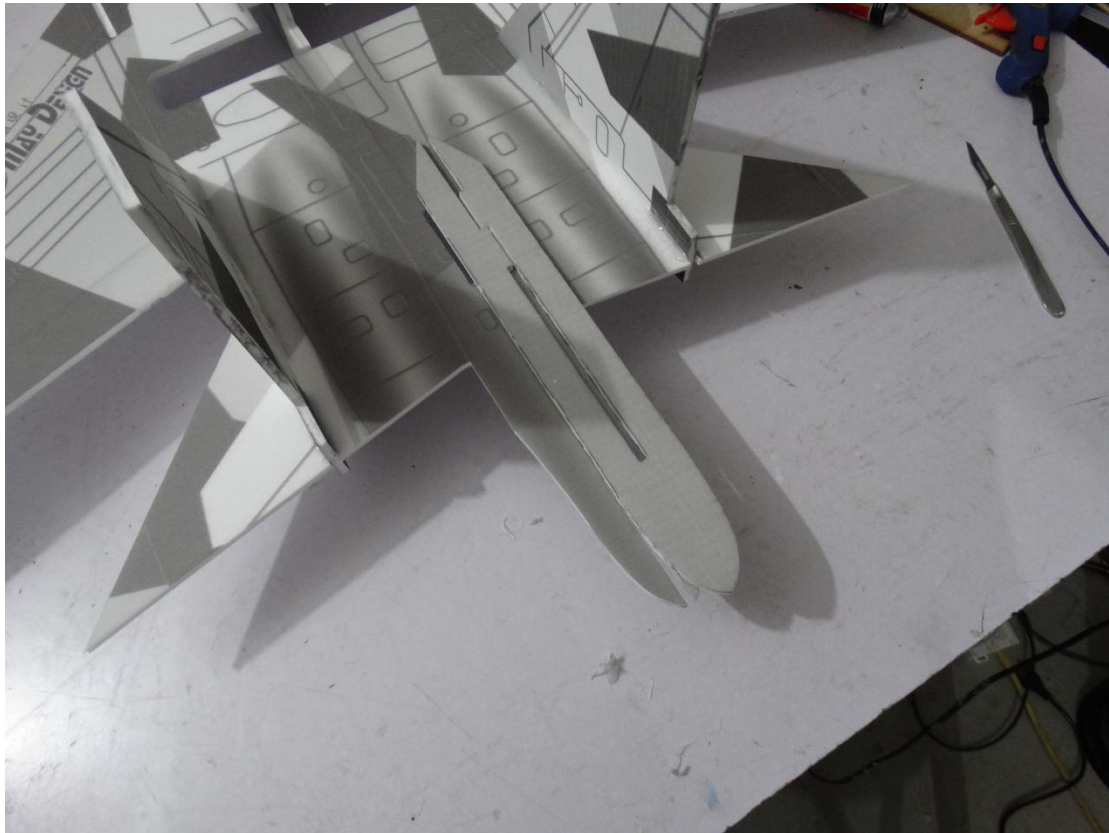
Reinforce nose using hot glue sticks after assemble.



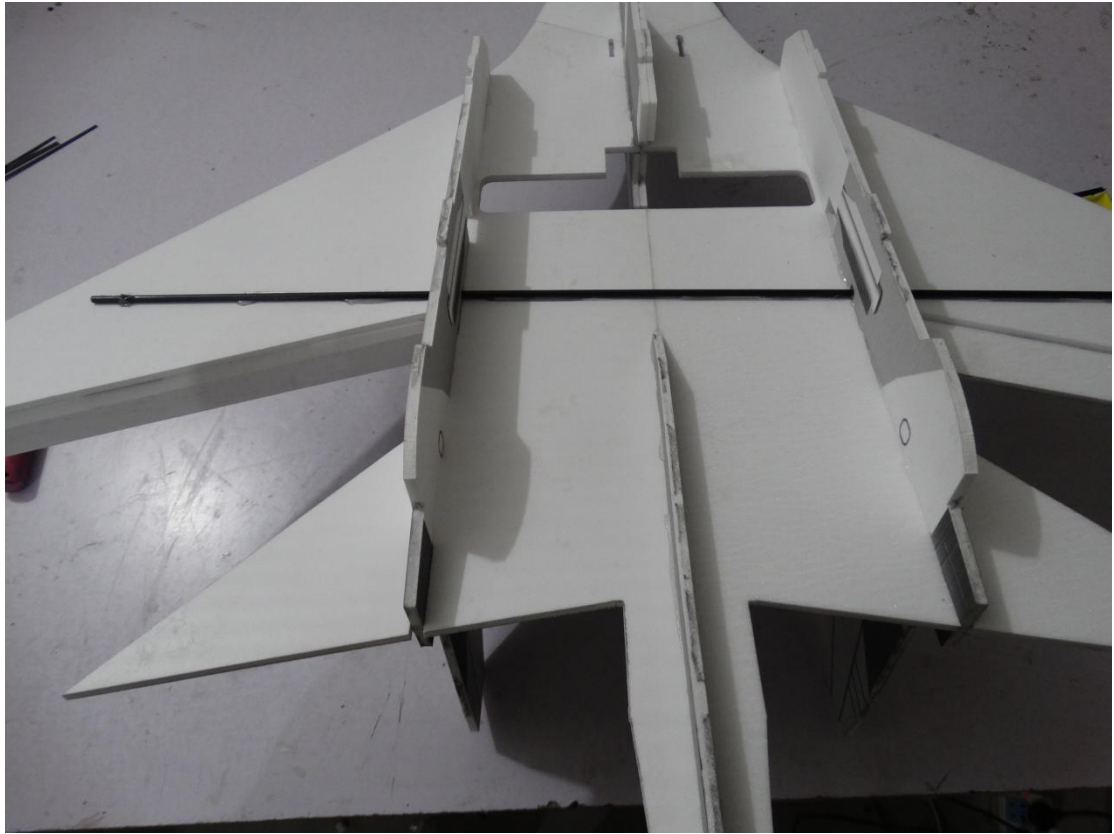
Important: Don't glue too much on motor mount location to avoid influence the motor mount's assemble.



Assemble tail on fuselage using hot glue sticks.



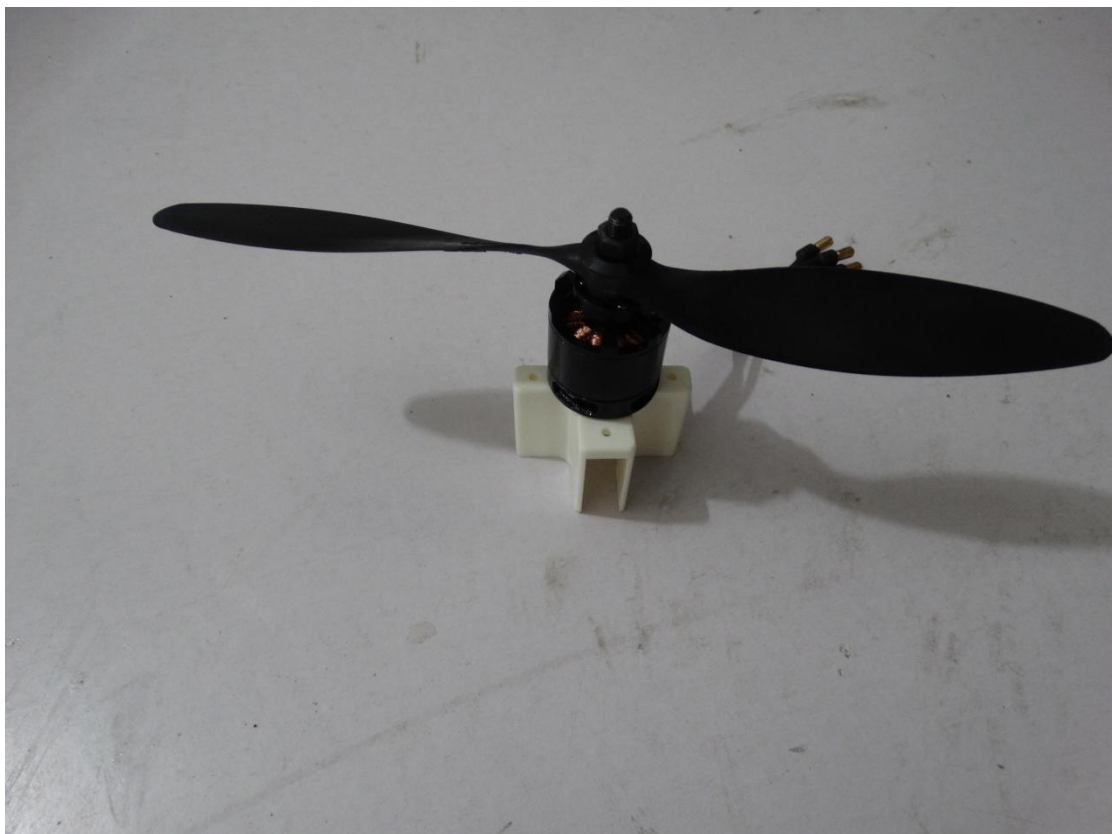
Reinforce all parts from bottom using hot glue sticks after assemble.



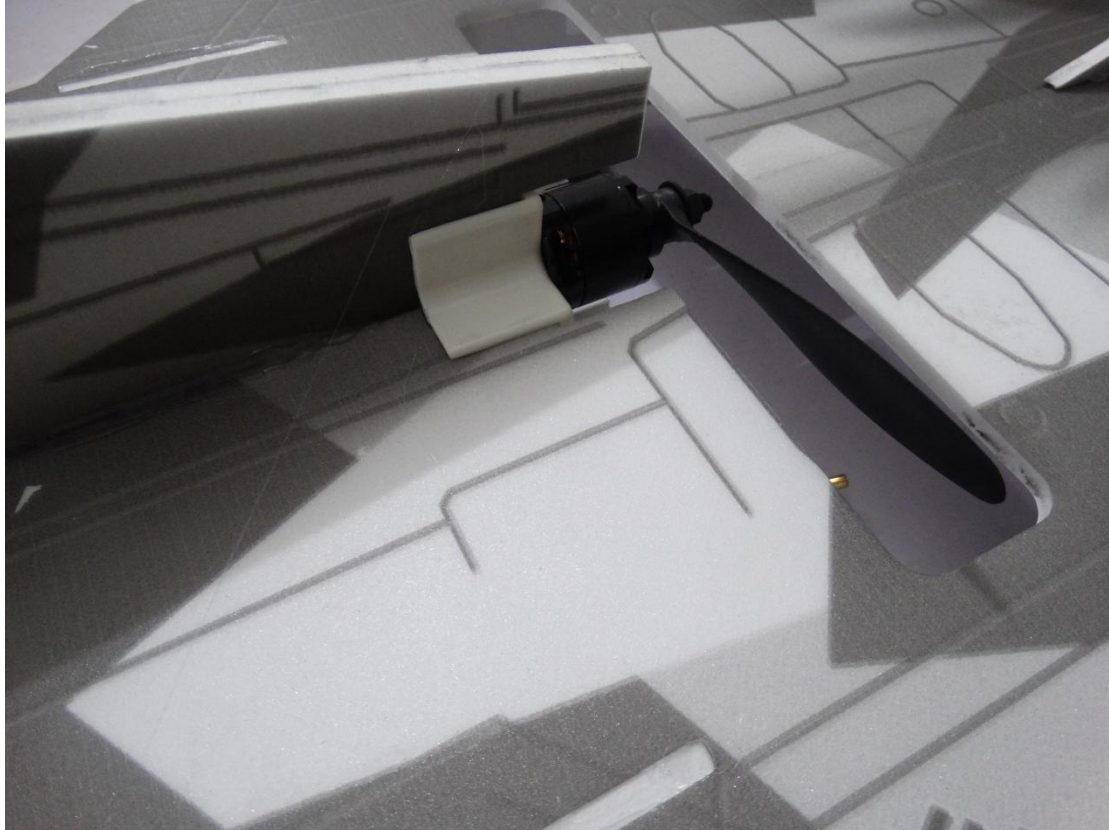
Assemble motor on motor mount using motor's screws.



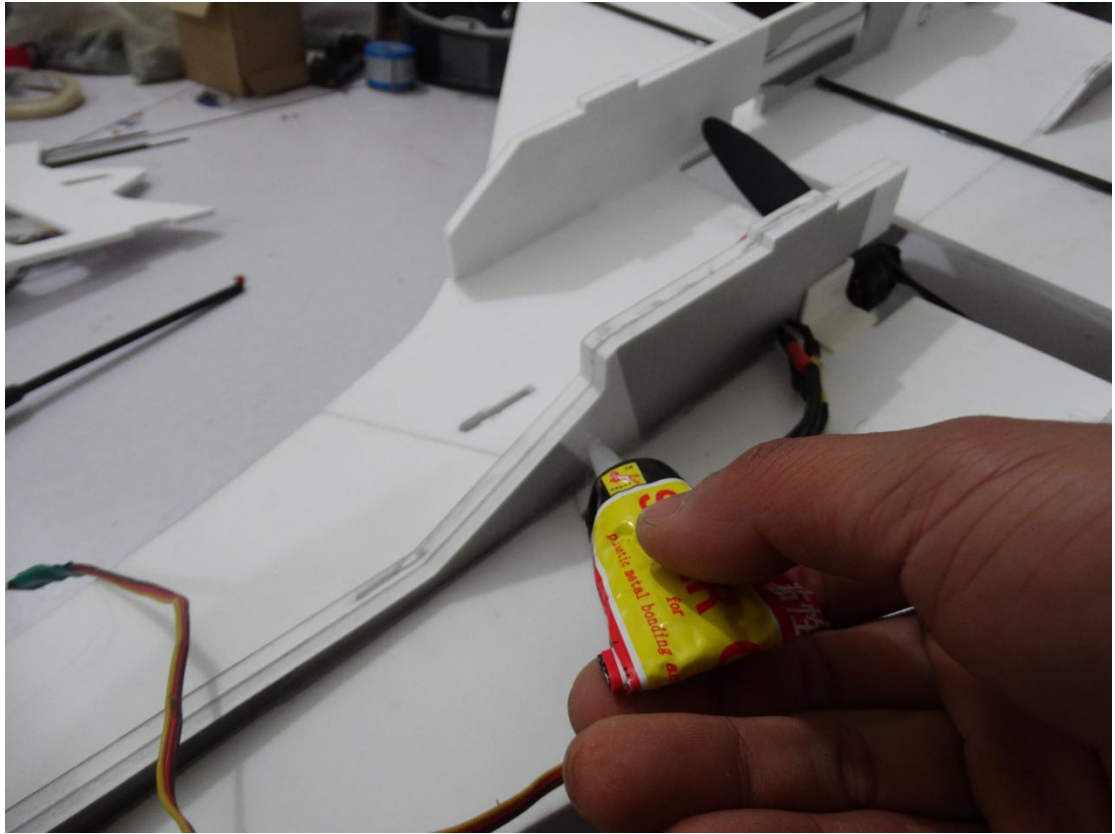
Assemble prop on motor. Notice the prop's direction.

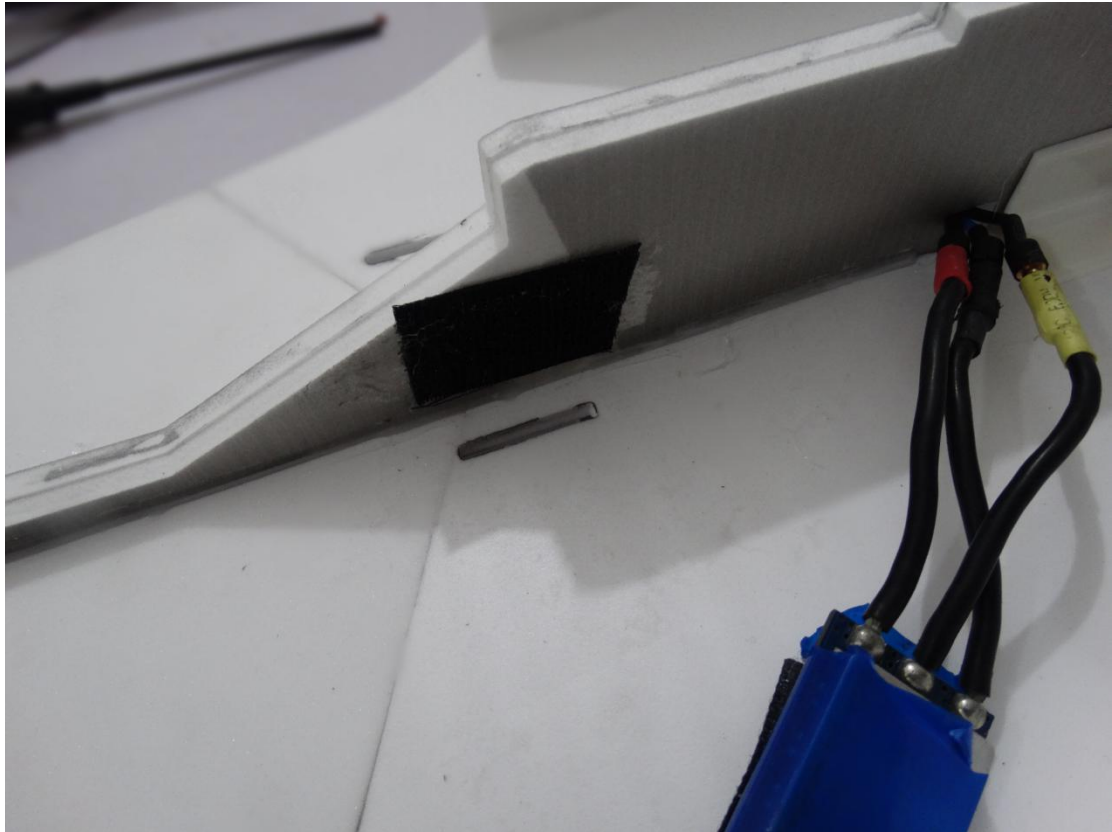


Assemble motor mount on fuselage, then reinforce motor mount using a little hot glue sticks.

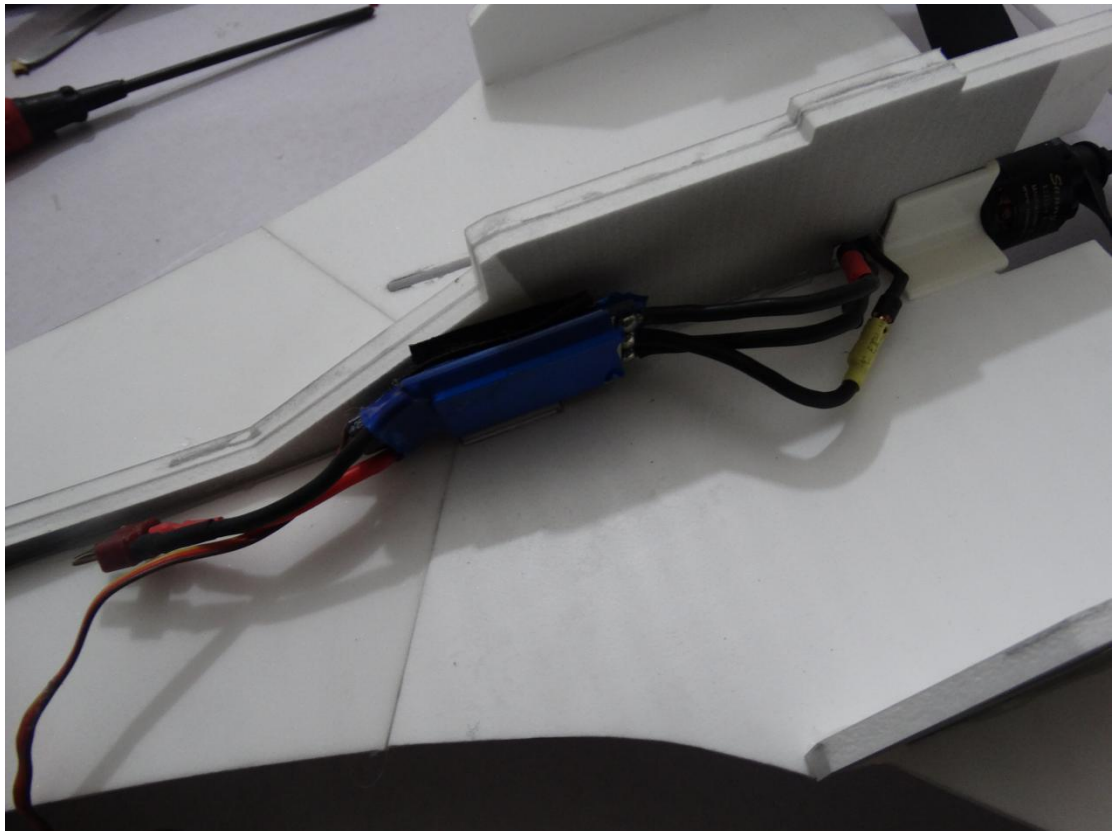


Applying foam glue on nose's hook and loop tape location, then cut suitable hook and loop tape and stick on the location.

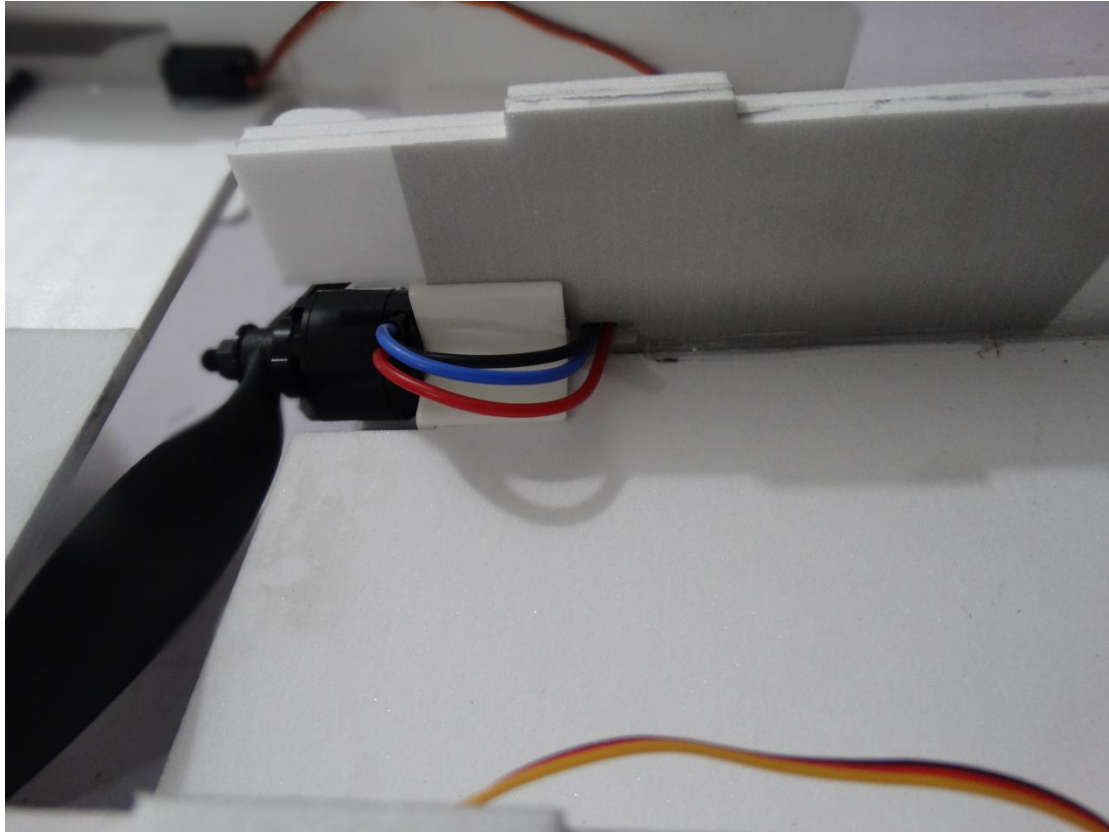




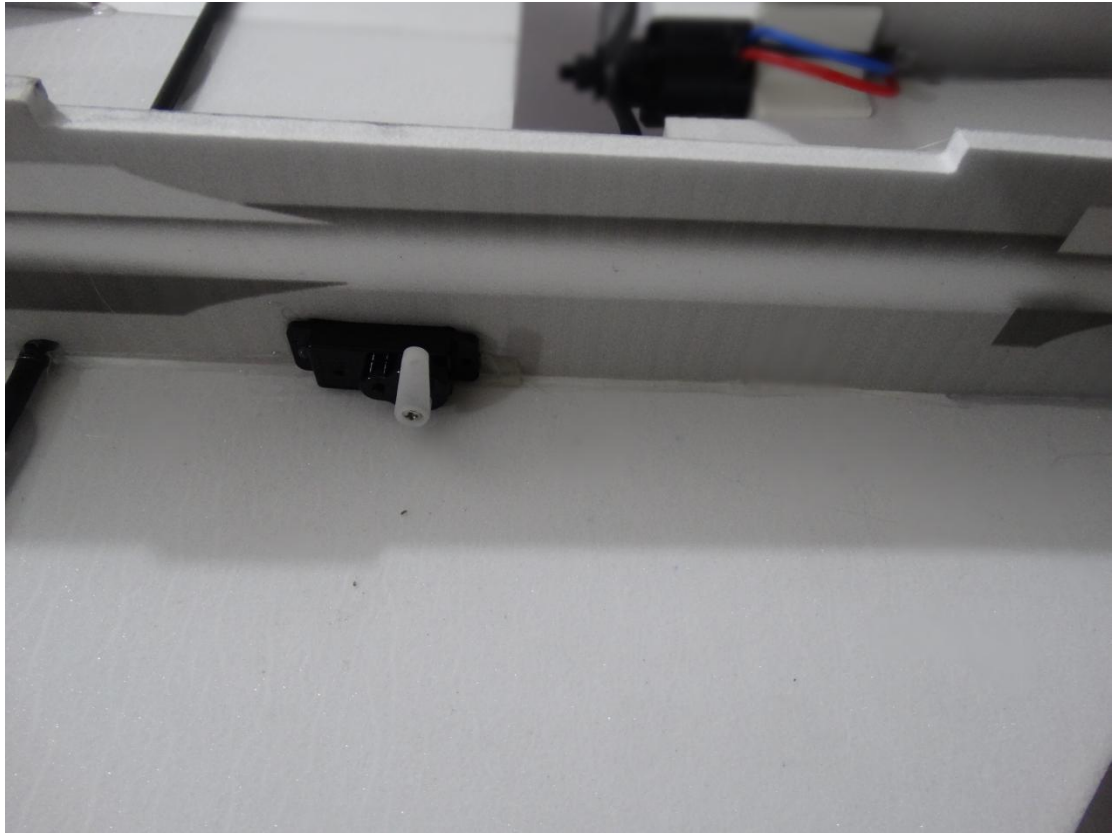
Connect the motor and ESC, then put ESC on hook and loop tape.



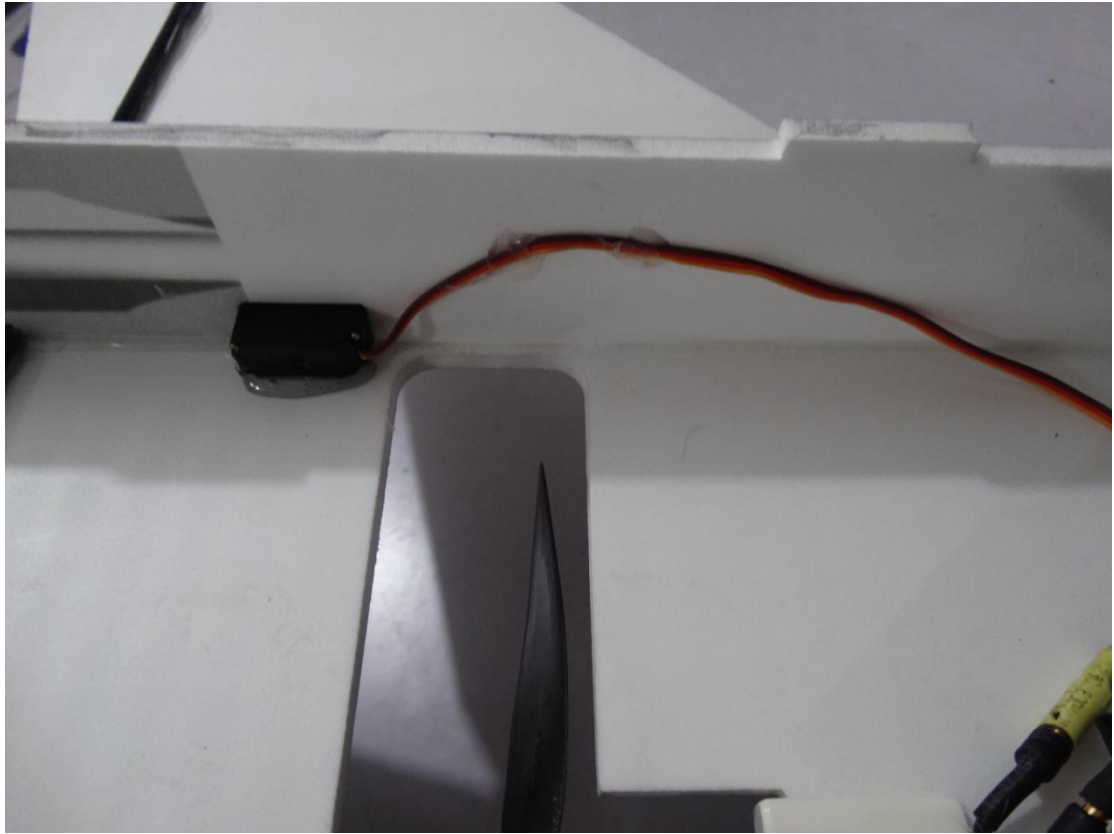
Place the motor wire through the hole behind motor mount .



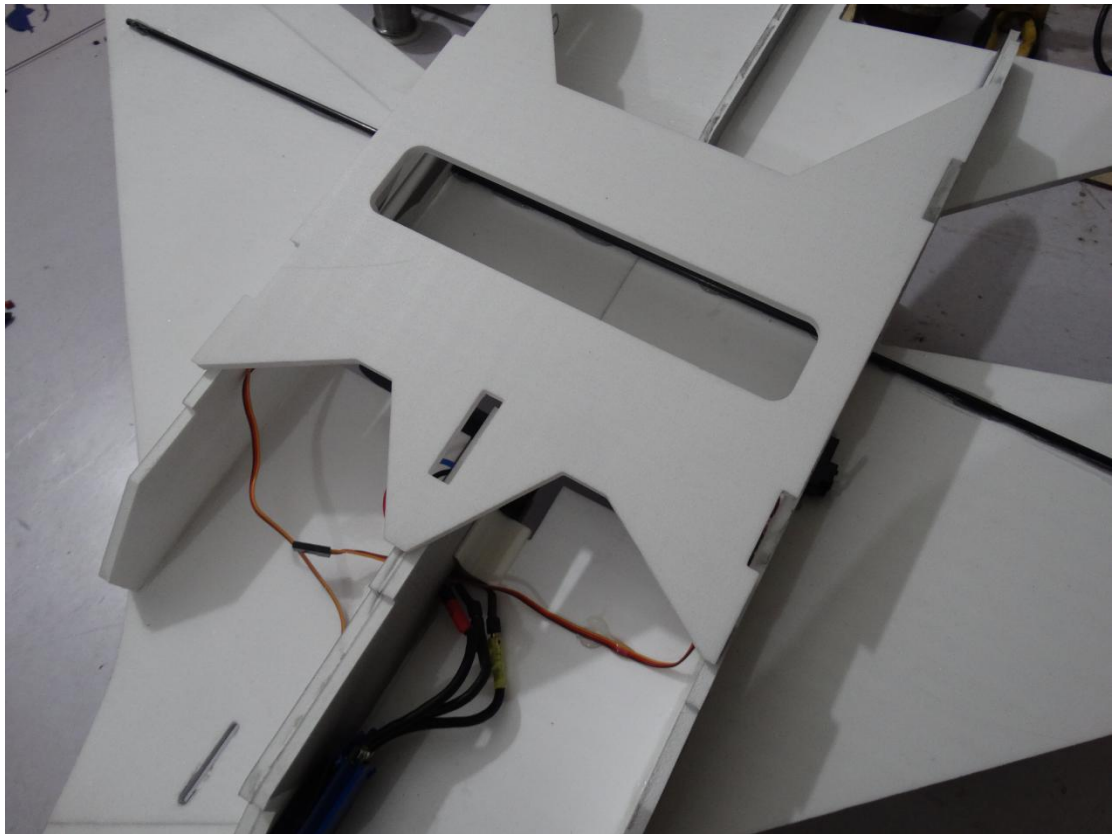
Install arm on servo and electrify all servos to make sure the arm perpendicular to servo. Then install arm screws. Install servo in the hole using hot melt glue.



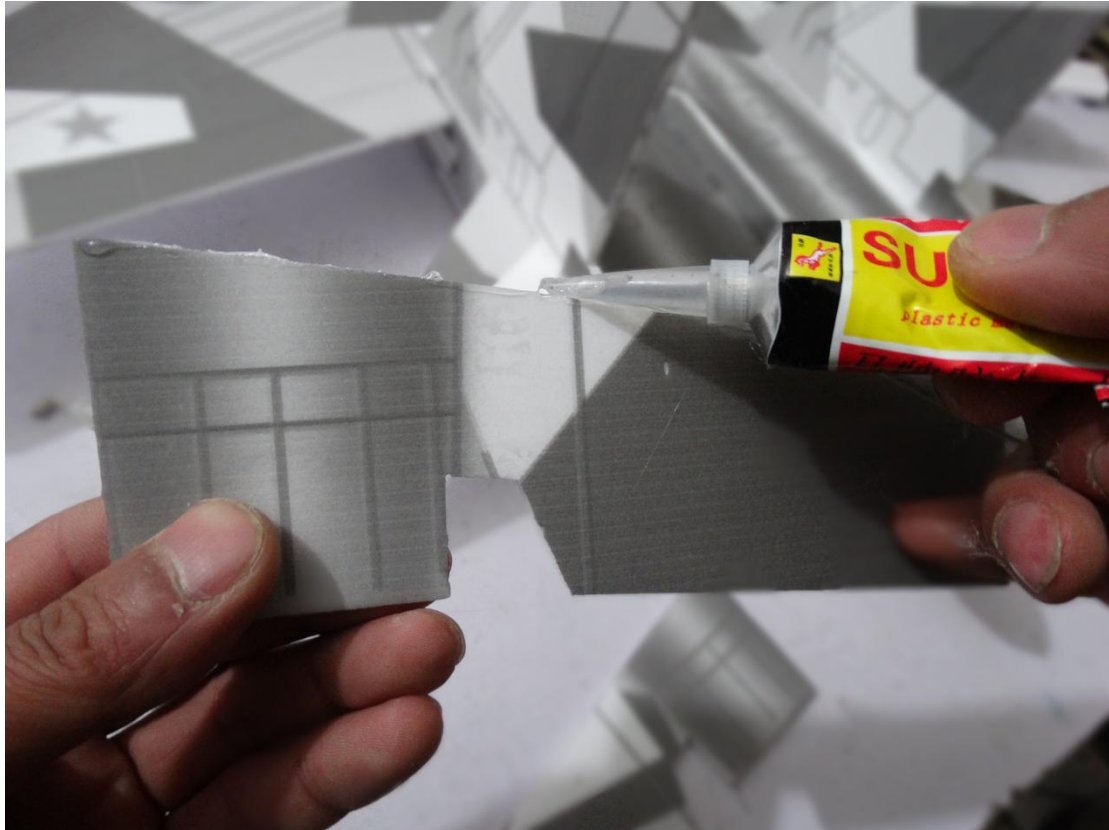
Also glue the servo's wire on fuselage using hot glue sticks.

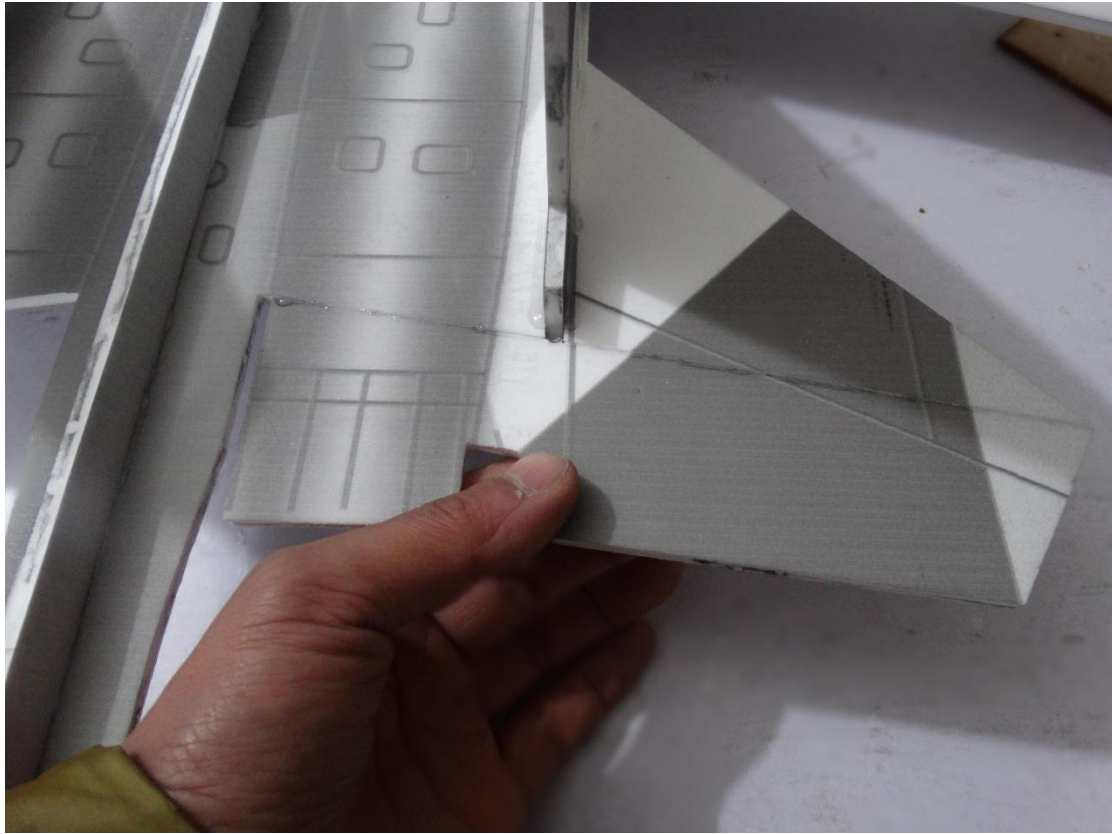


Assemble baseboard using hot glue sticks.



Applying foam glue on horizontal tail and fuselage, wait 3 mins, then assemble horizontal tail on fuselage.





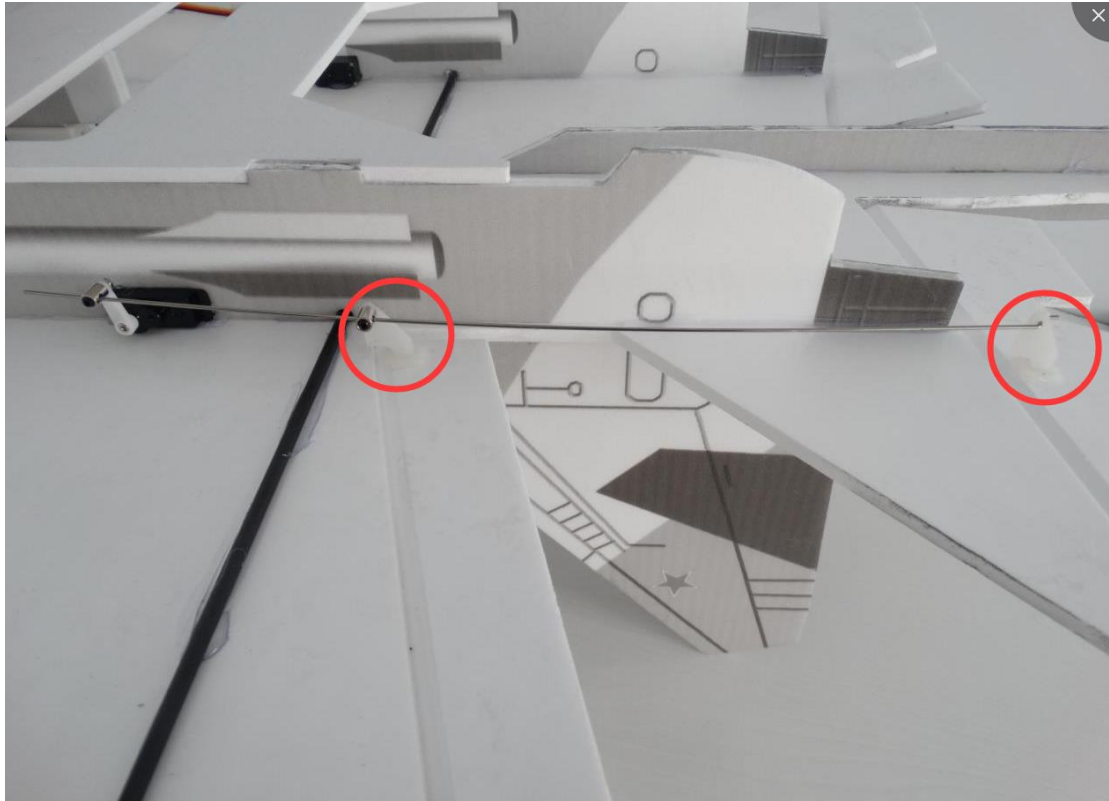
Reinforce the horizontal tail using hot glue sticks after assemble.



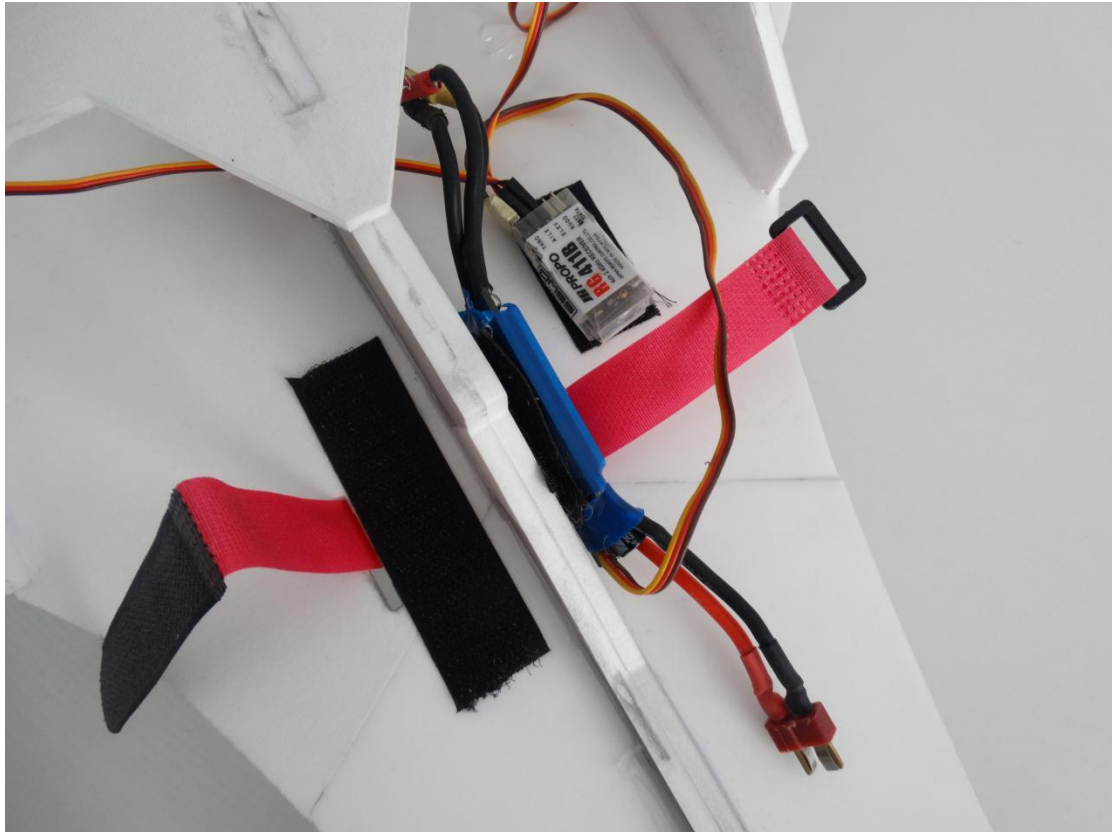
Assemble Quick rod adjuster and install it in hinge, apply a little No,502 to the nuts.



Assemble hinge with foam glue.



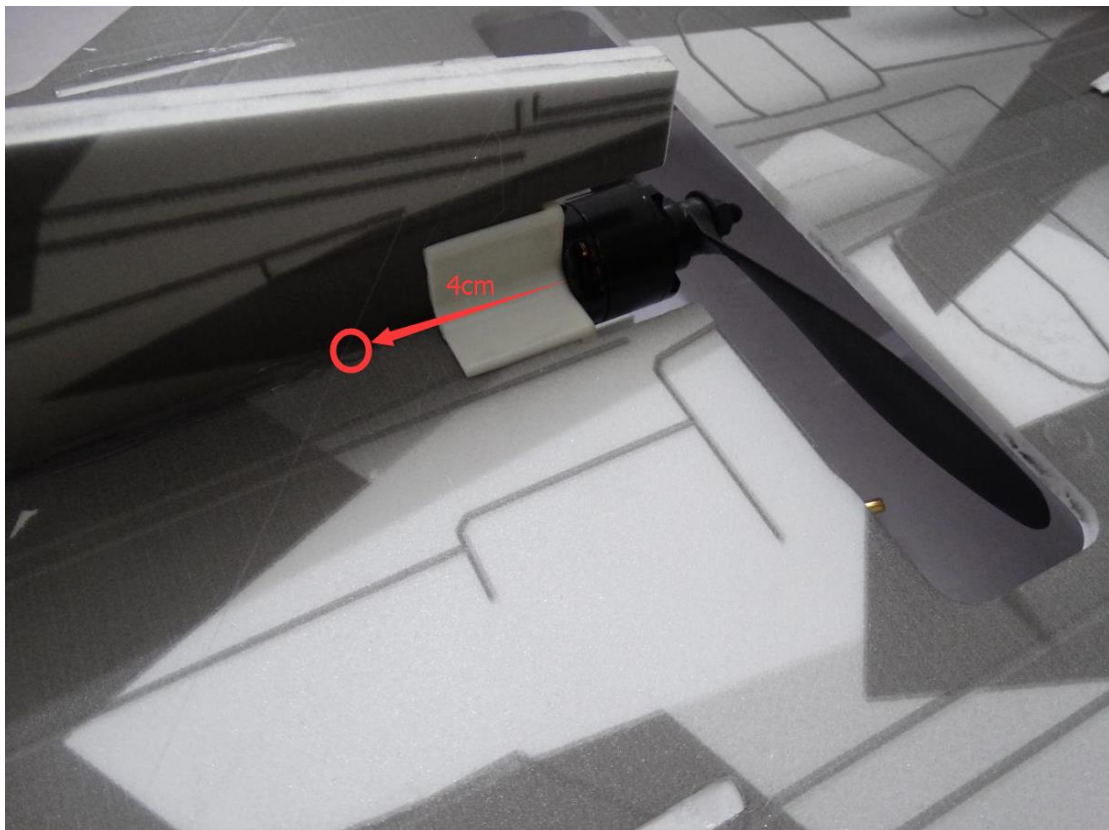
Put on hook and loop tape on fuselage using foam glue and then place another hook and loop tape through the hole.

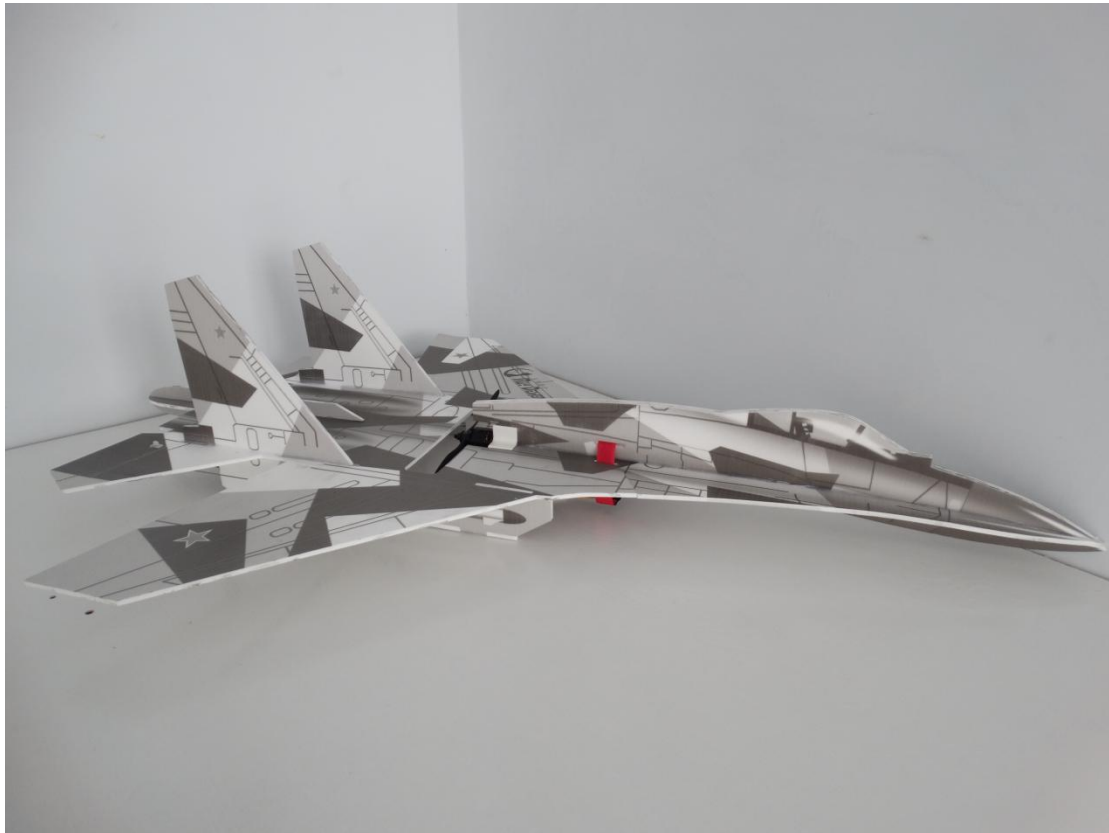


Assemble the battery and receiver using hook and loop tape.



C of G is on the front of the motor mount 4cm as shown in the picture below.





PP Su27's elevator and aileron are linkage mode, so we need set delta wing mixed control on radio. Then it can super-maneuver flight.