

# Extra 330SC 100CC

## Assembly Manual



Wing Span:106in/2693mm;	Flying Weight:11700g;
Wing Area:138sq.dm;	Radio:6Channel 11Servos;
Length:94.5in/2400mm;	Engine:100CC Gas

**CAUTION : this plane is not a toy and should be kept away children under 16 years of age! Before use , please carefully read this manual.**

- First-time builders should seek advice from people having building experience in order to assemble the model correctly and to produce its performance to full extent .
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.



## Main Wings

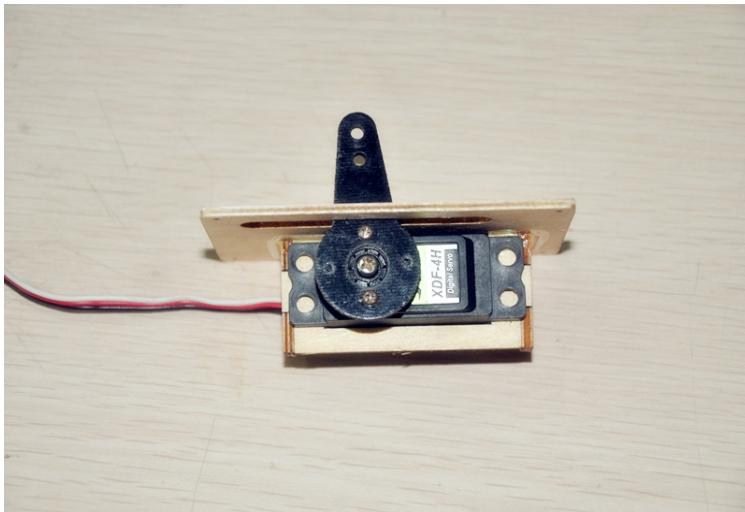
All the wing parts together



Cut the servo holes on the bottom of the main wings

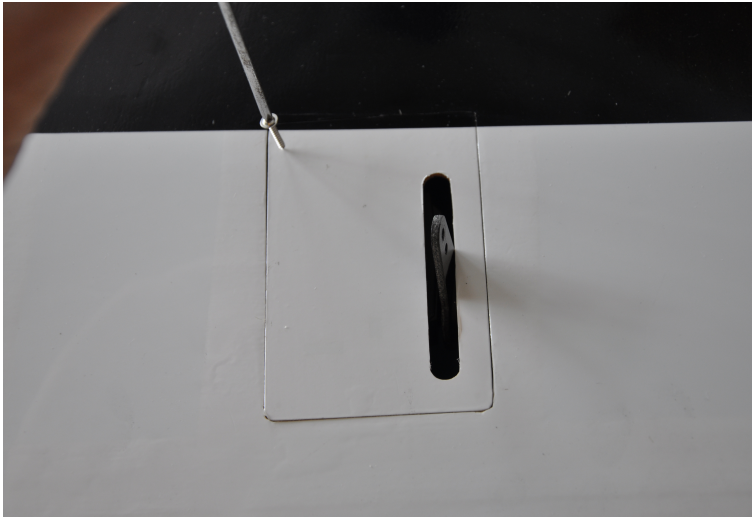


Install the servo and fix it with screws.

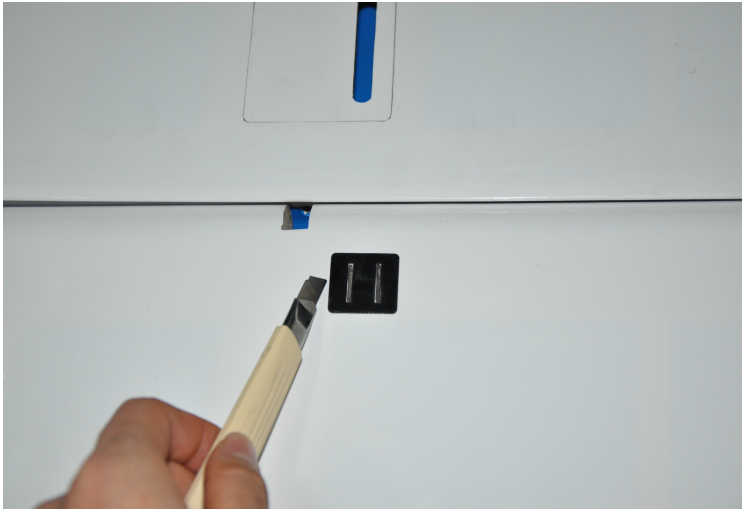




Use 3\*12 screws to lock the servo-tray to the Wing



Cut the film covering as shown



Insert the fiberglass control horn , and glue with AB glue



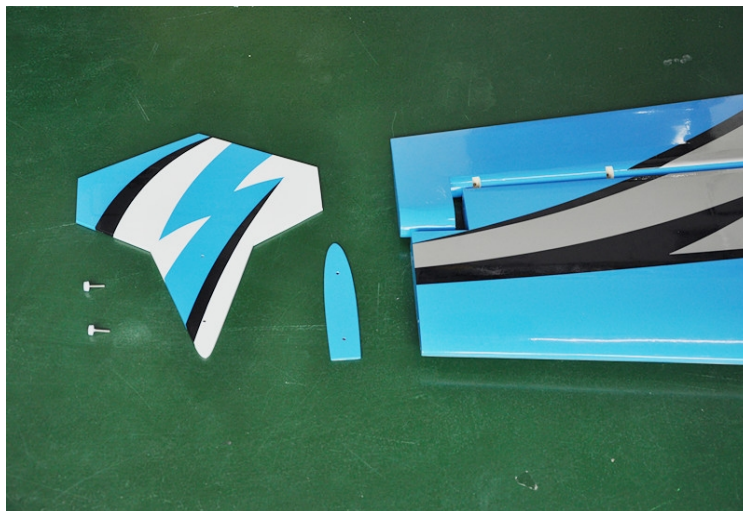
Connect the servo arms and aileron control horn by pushrod with ball links.



Finished photo

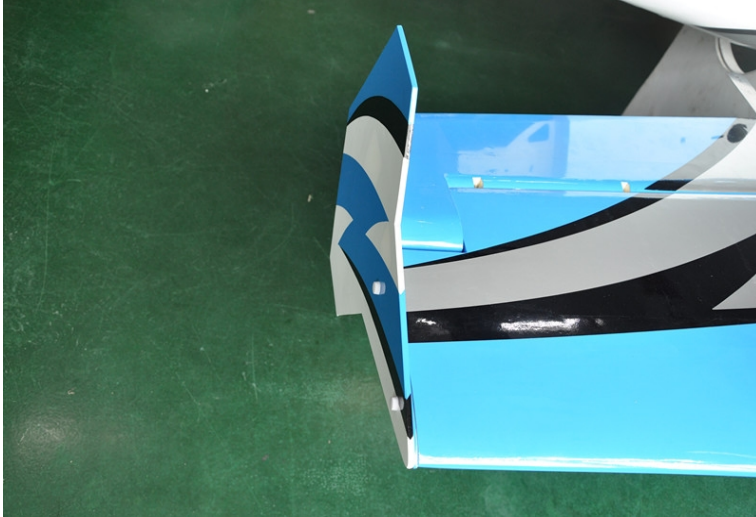


**Install Wingtip & Winglet**





Finished photo



Connect the main wings and the fuselage with Carbon fiber tube.



### Main Landing Gear and Tail Wheel Unit

Gather the parts for the main landing gear.





Tail Wheel parts



Slide cuffs into position on the landing gear. perform a quick fit check on the fuselage to verify cuffs are properly oriented



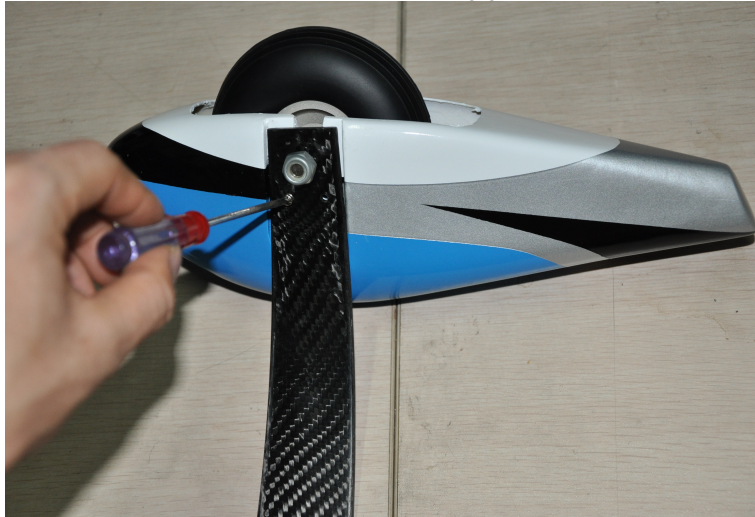
Use screw to connect the landing gear, wheel pant, nut and wheel in turn, and finally use a lock nut to lock them.



Insert the wheels and axles into main landing gear with the nylock nuts.



Install the wheel cover, and fix it up to landing gear with screw.



Fix up the landing gear on the fuselage bottom with 4 screws.



Drill a hole at the Original design hole of the cuffs

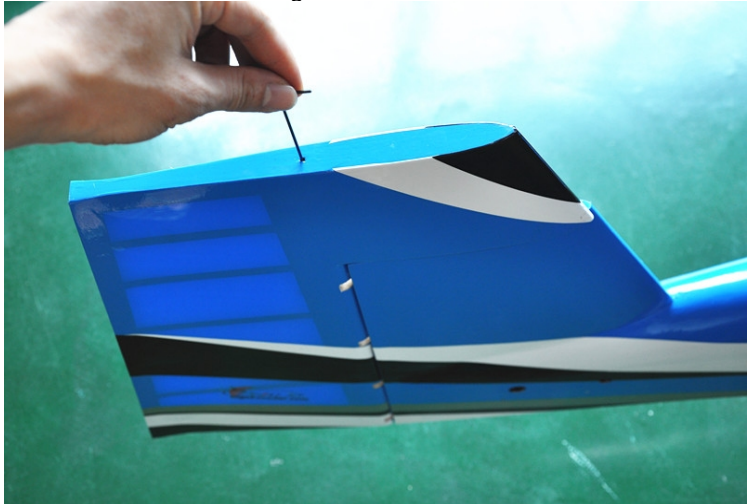


Use screws to lock the cuff and landing gear



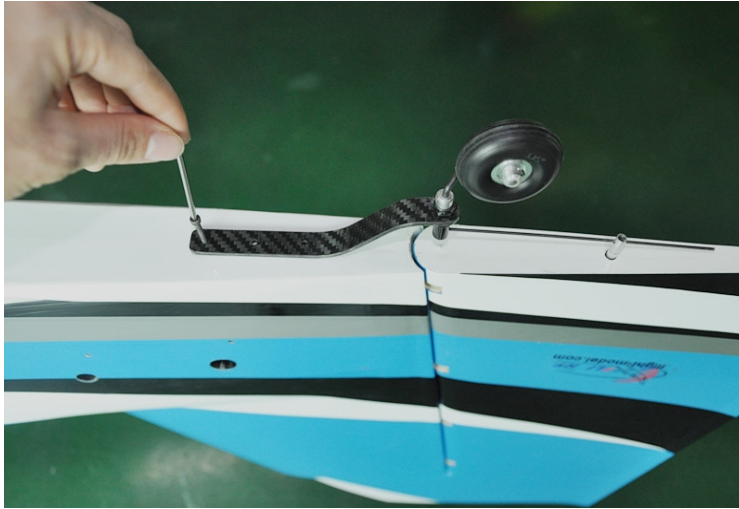
### **Rudder**

Put the steel wire in the hinges between the rudder and the connector of vertail fin

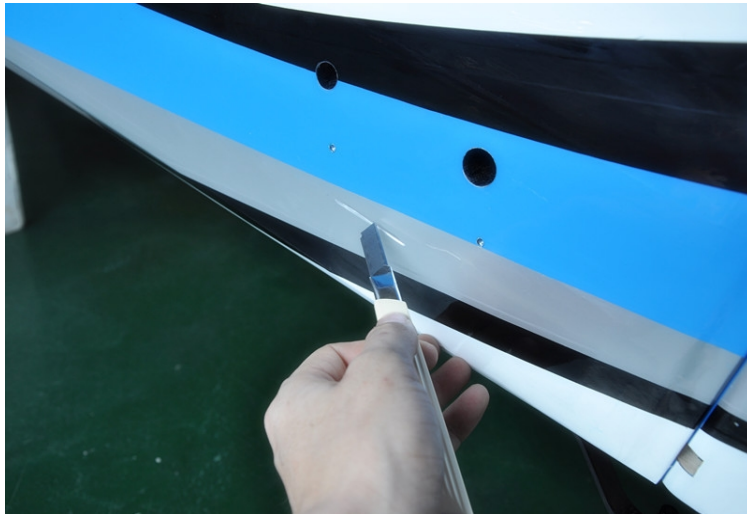




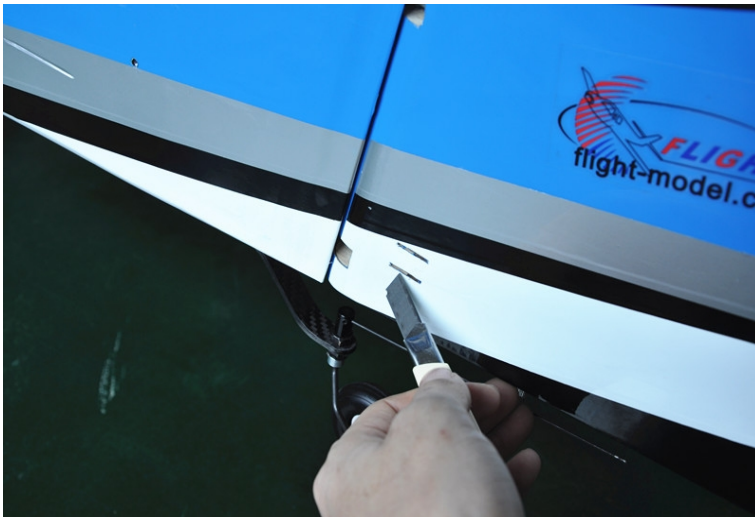
Put the tail wheel set into the hole, and use two pcs self-tapping to lock the tail wheel onto the fuselage tail.



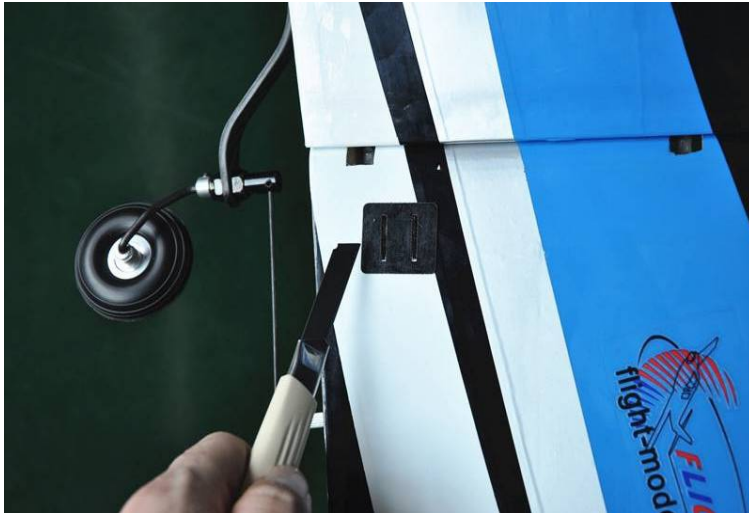
Cut the film and let the steel wire outside.



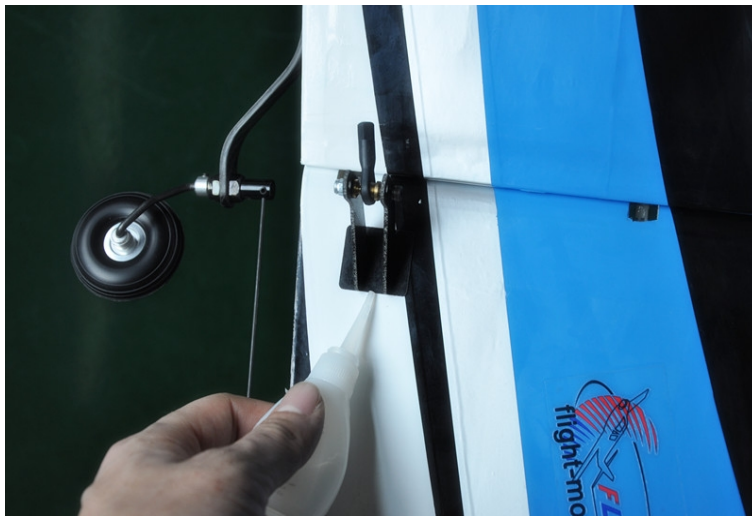
Cut out the hinges film



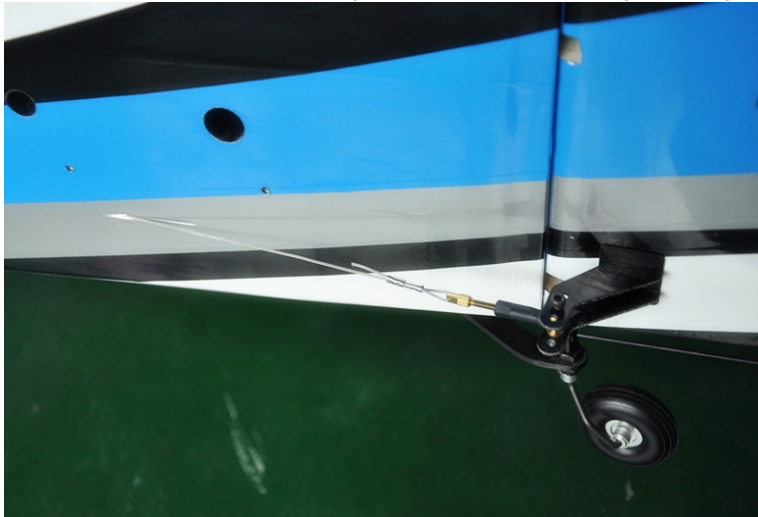
Using a knife, remove covering the film above the gear plates



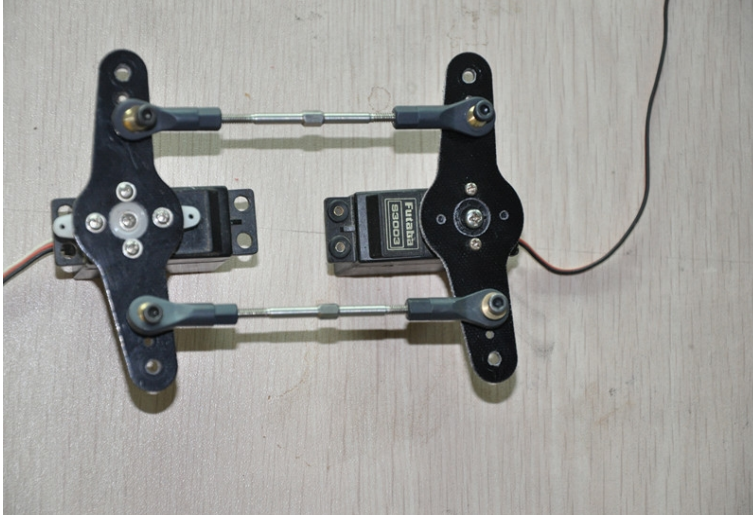
Insert the fiberglass control horn sheet and gear plates.  
Use AB glue to glue it.



Connect the rudder to the fuselage the horns into the original design hole



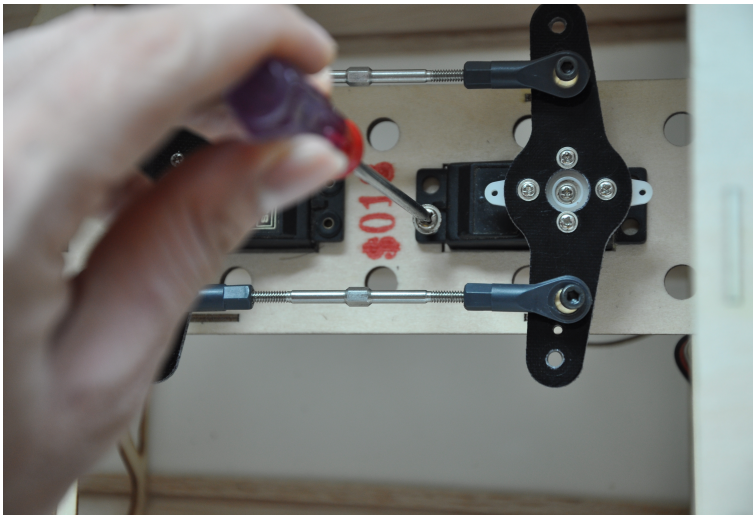
Install the rudder servo,as shown



Put the servo into fuselage



Use screws to fix up the servo on the fuselage





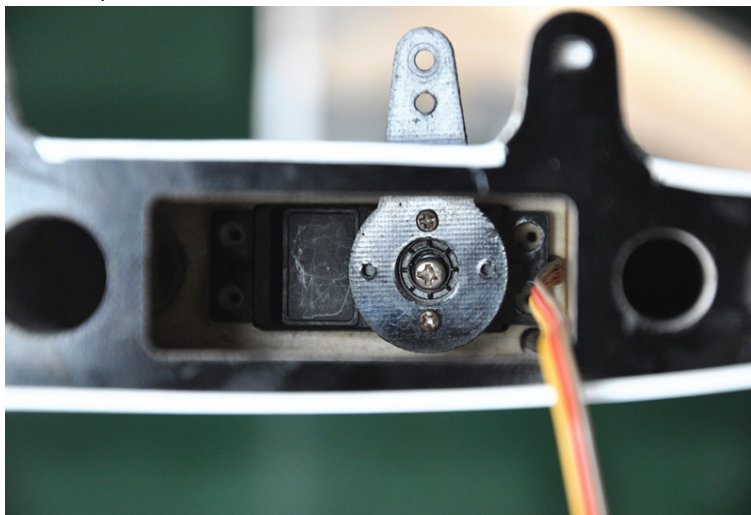
Attach the servo arm to the ruddert servo as shown



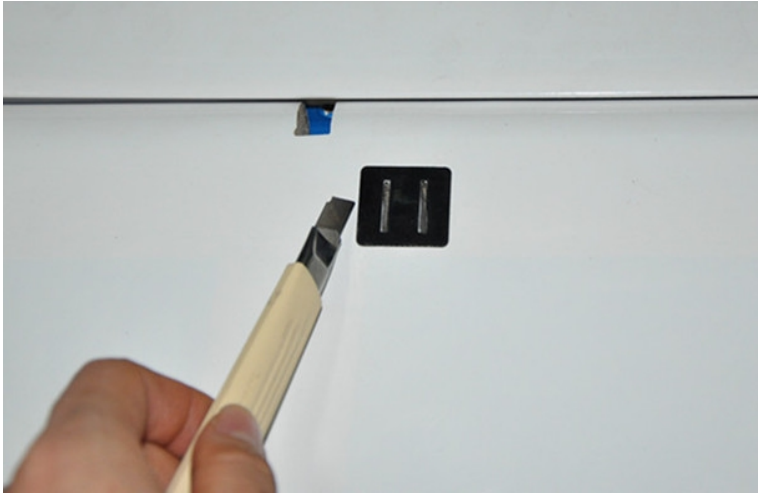
Cut out the holes on the stabilizer



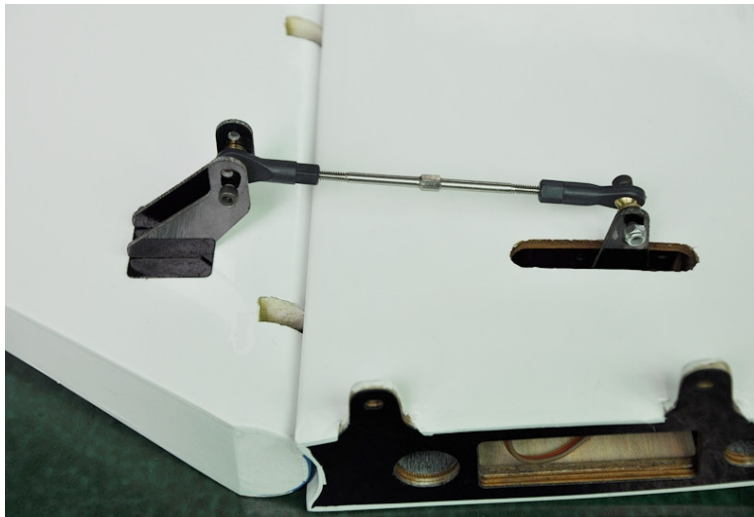
Finished photo.



Cut the gear plates film on the elevator



Connect the servo arm and elevator servo with ball links and pushrod



Connect the stabilizer and the fuselage with joiner



Use 3\*15 screws to fix up the fuselage



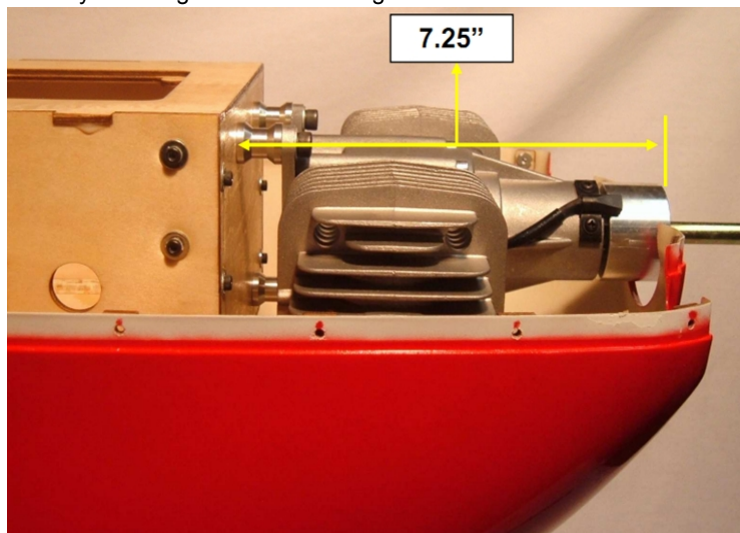
### Cowl

Fasten the fuel tank onto the fuselage as shown.



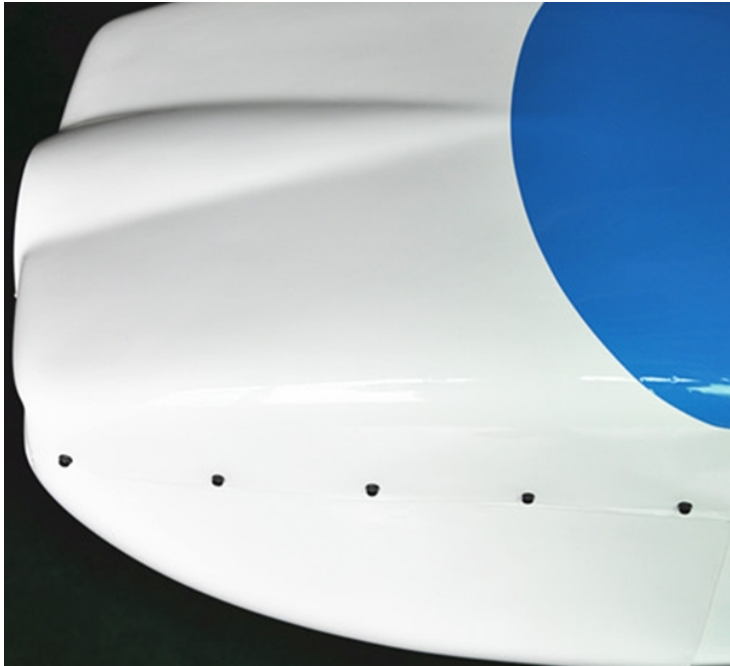
Install the Engine as shown

Start by installing the lower cowl half

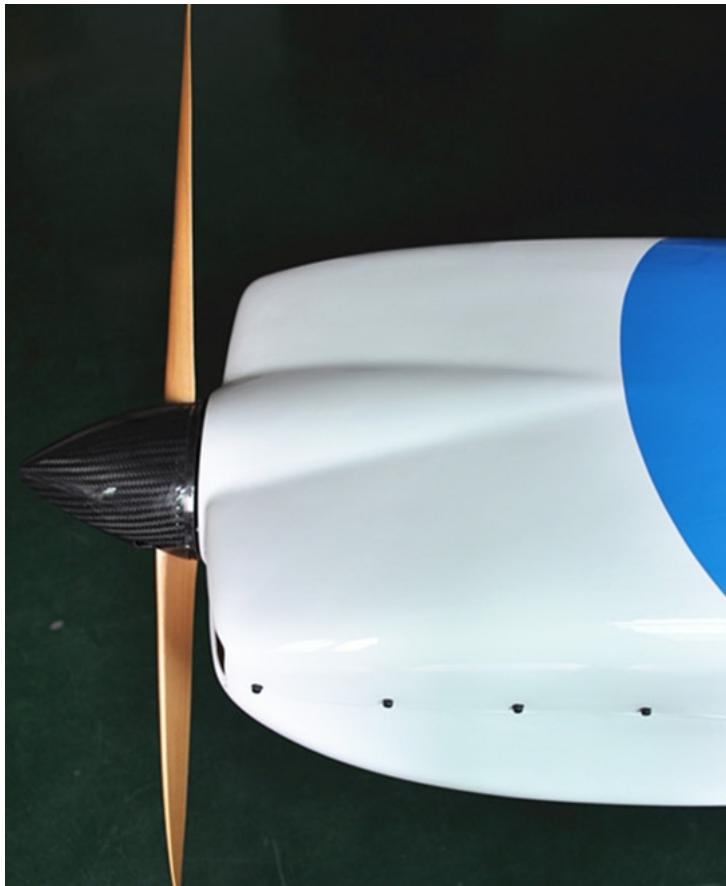




Slide the top cowling half into position,use screw to fix it .as pictured above



Install the propeller and spinner.

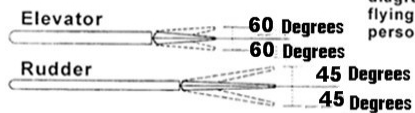


Assemble Canopy as photo shown



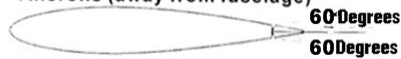
## CG POSITION & CONTROL THROWS

### Control Throws

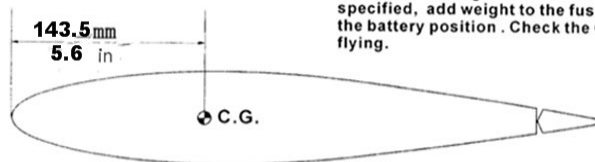


Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

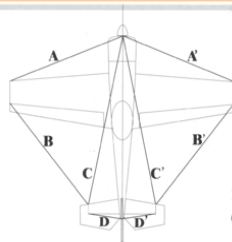
### Ailerons (away from fuselage)



### C.G.



The Ideal C.G. Position is 143.5 mm (5.6 in) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.



A = A'  
B = B'  
C = C'  
D = D'

The diagram depicts measurements which should be compared to ensure your aircraft is true, correct and flight ready.

## THE FINISHED PHOTO

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**Enjoy it**