

Assembly Manual



**F114 Sbach 342
20cc Profile**



**F113 YAK 54
20CC profile**



F115 Extra 330SC 20cc profile

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.

Thanks for purchasing our airplane model!

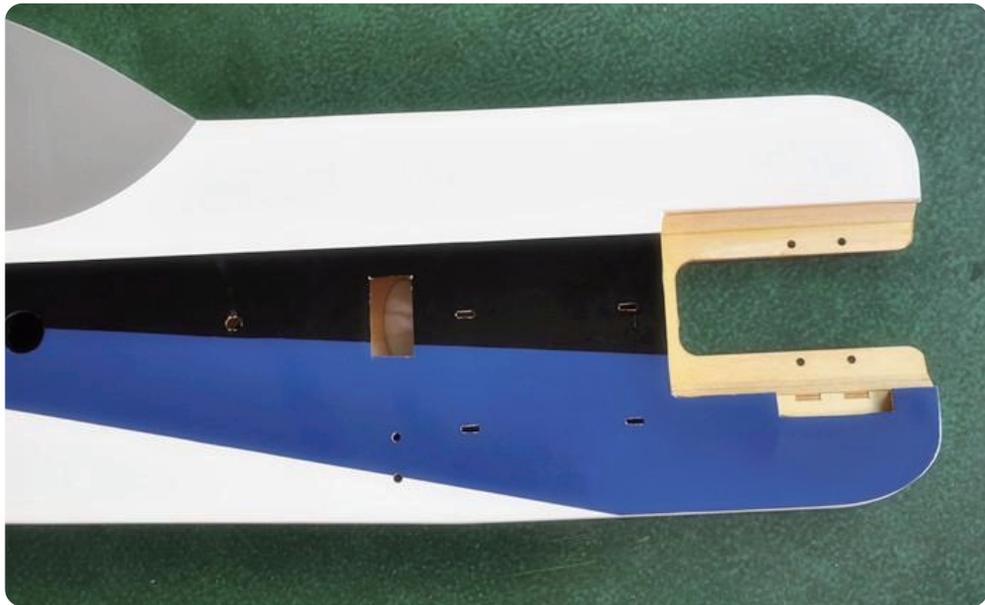


All the parts together



Main Landing Gear and Tail Wheel Unit

1. Cut out the holes on the fuselage of both sides.



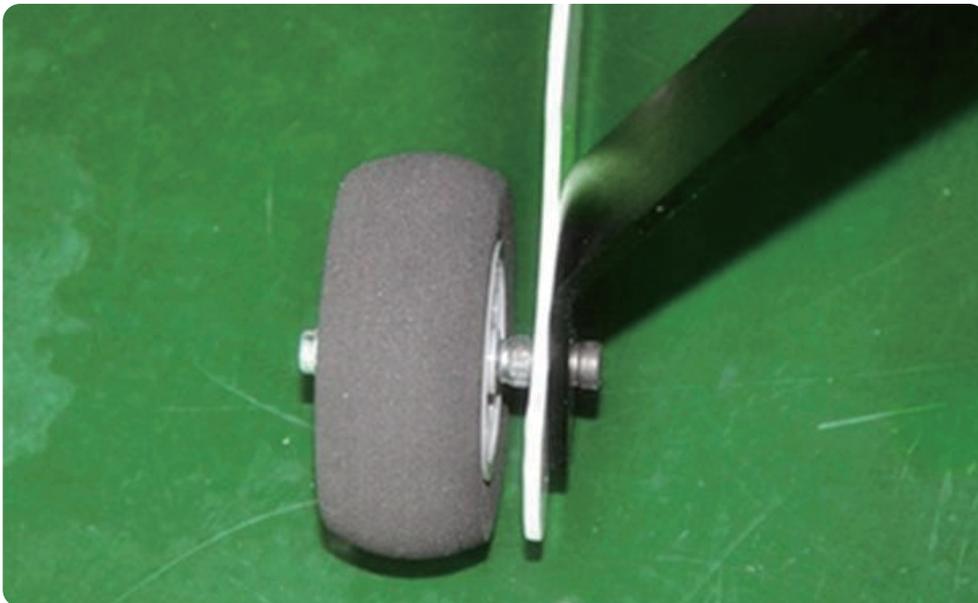
2. Gather the parts for the main landing gear.



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

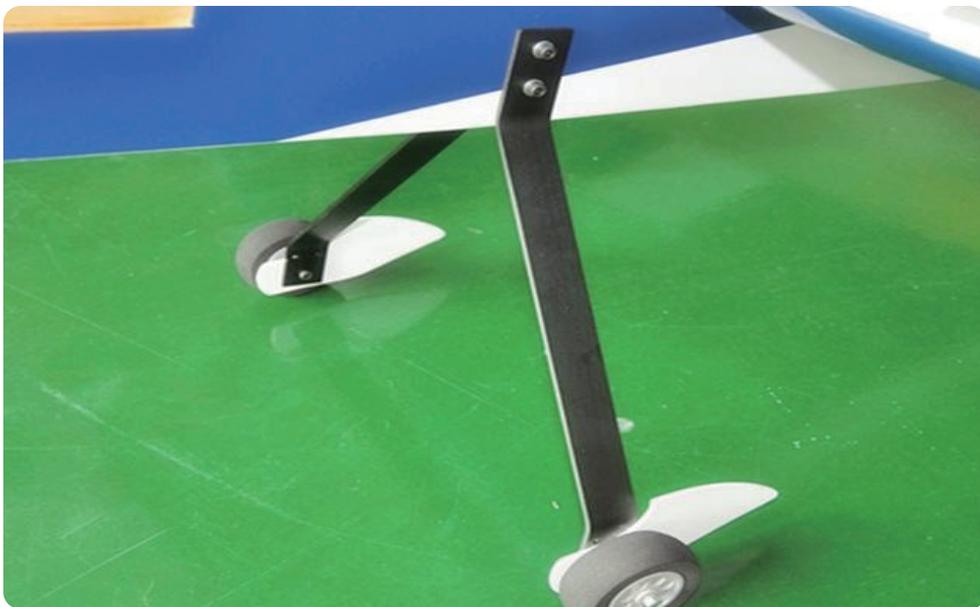
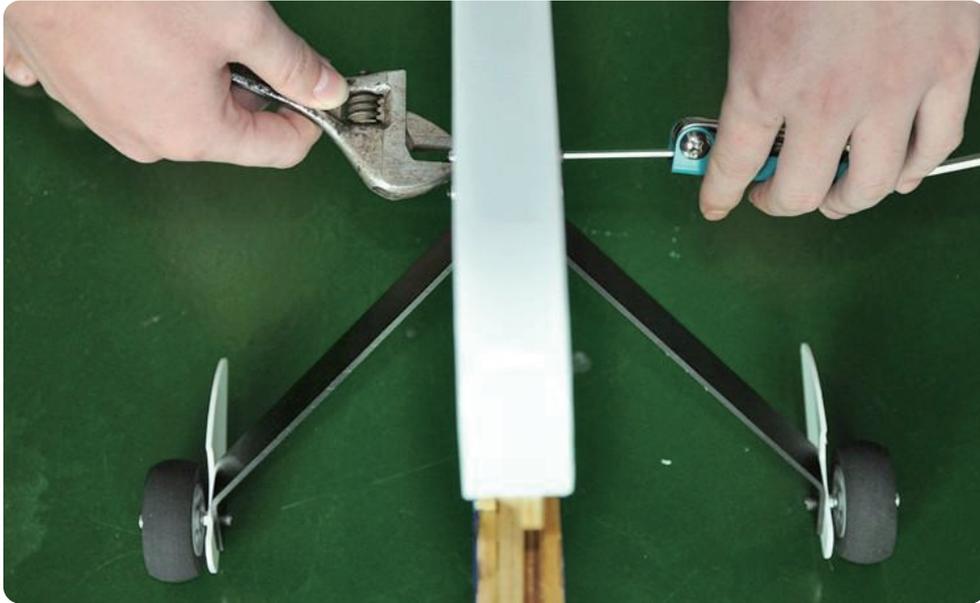


4. Repeat the same on the other side of the landing gear.

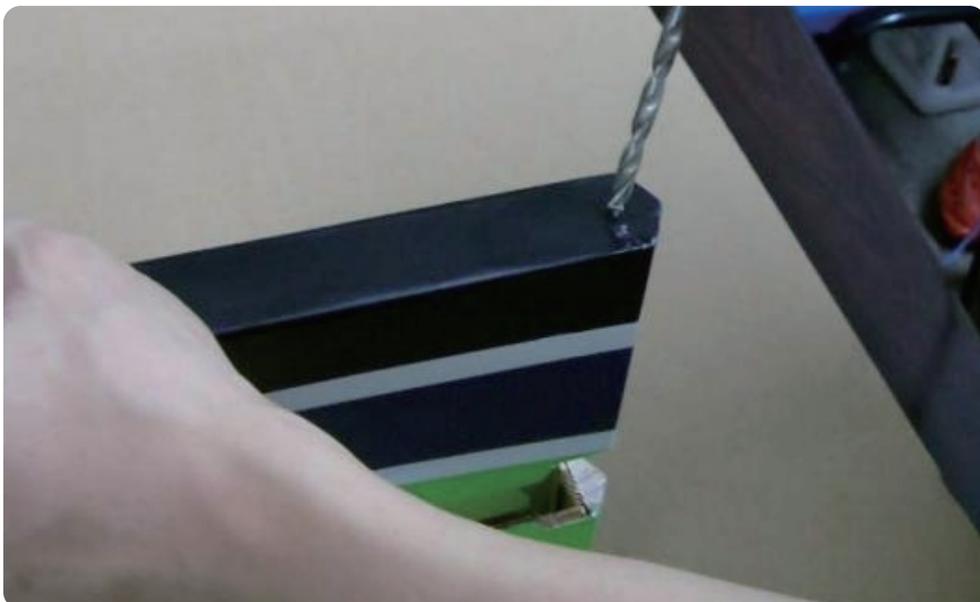


5. Use two screws to lock the two pieces of the landing gear to the fuselage

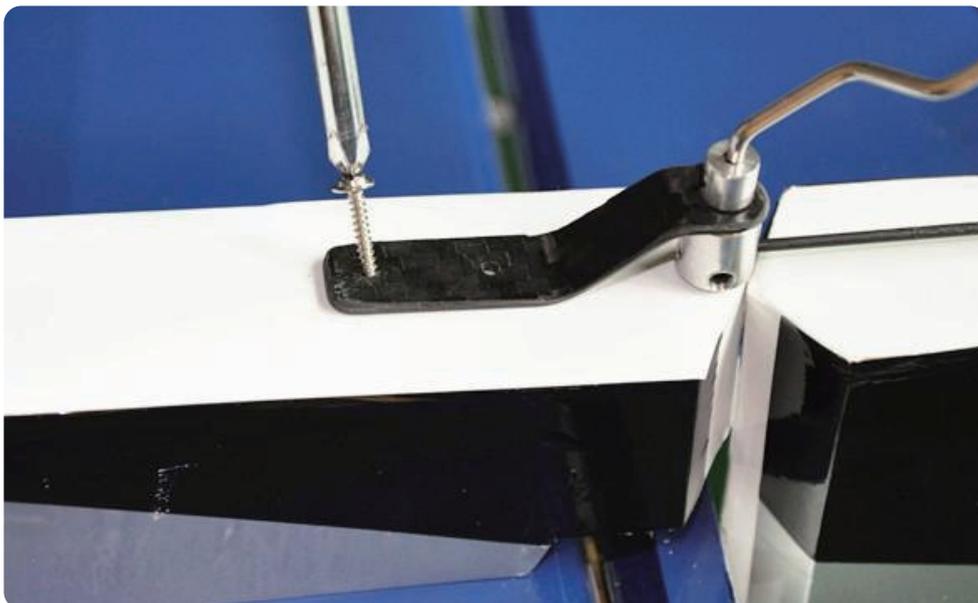




6. Drill a 6mm hole at the back tail of the fuselage to install the tail wheel

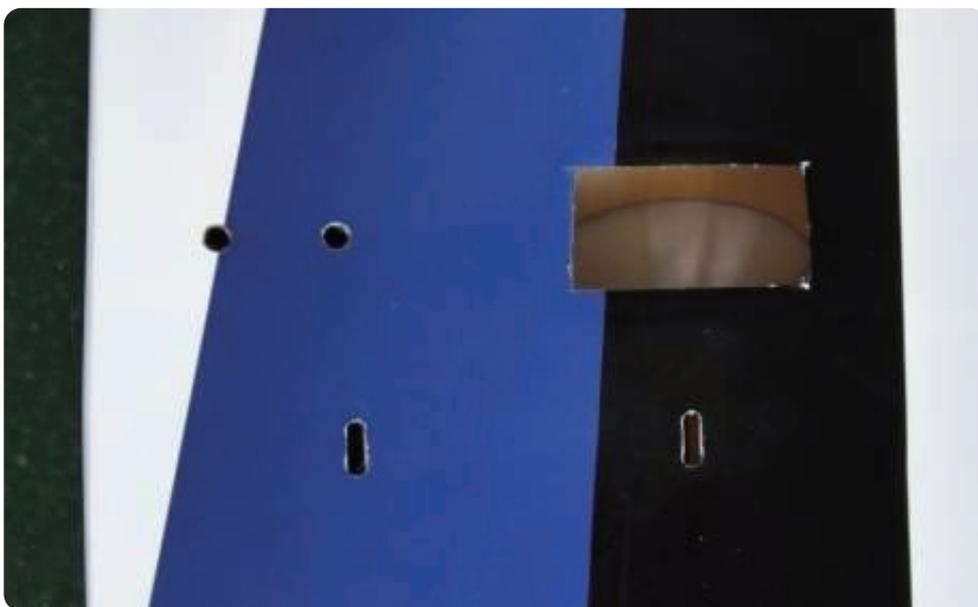


7. Put the tail wheel set into the hole, and use two pcs self-tappingscrew to lock the tail wheel onto the fuselage tail.

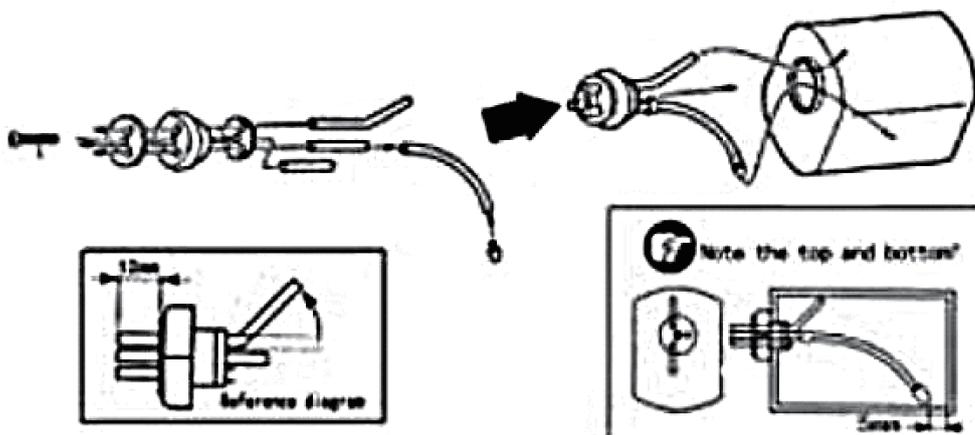


Fuel Tank and Engine Installation

1. Cut out the holes for the fuselage



2. Install the fuel tank and the fuel tubes as shown.



3. Fasten the fuel tank onto the fuselage as shown.



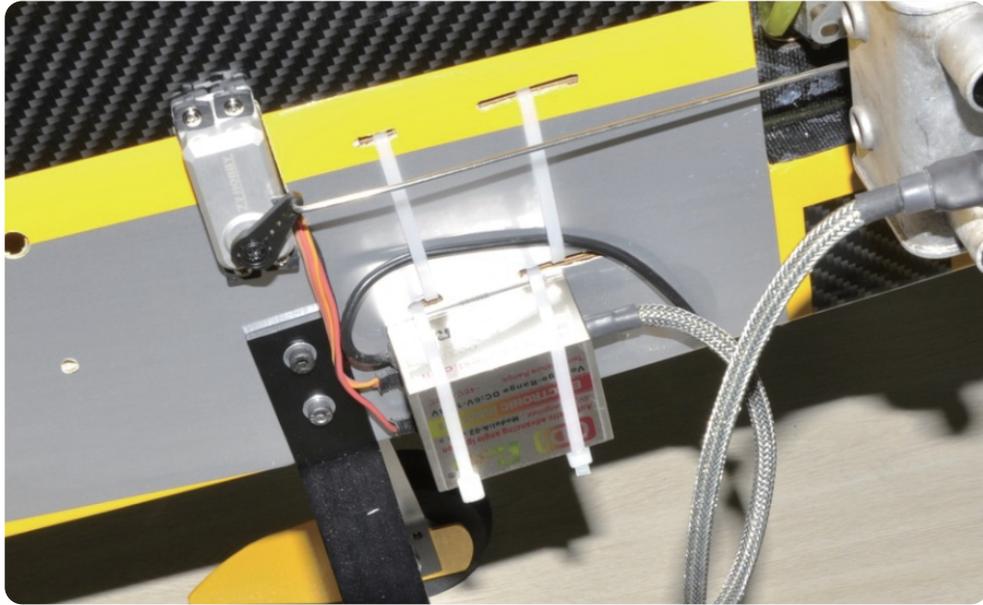
Standard fuel tee (built-in filter)



4. finished photo.

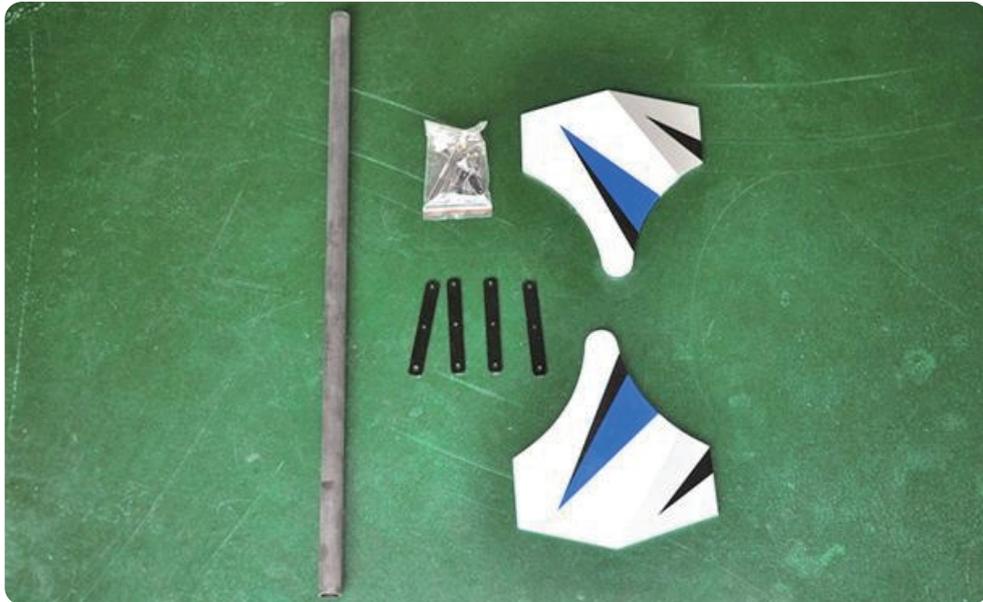


5. Screw the throttle servo onto the fuselage.
Bent the pushrod, and use it to connect the servo and the engine.



Main Wings Installation

Parts for the main wings



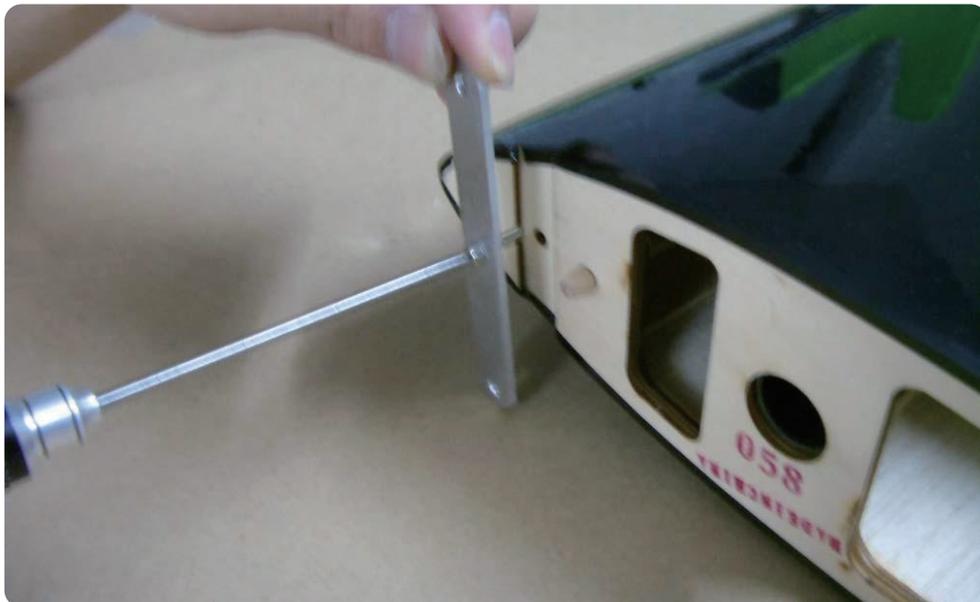
1. Cut out the holes in the wings



2. Find out the slots for the aluminum sheet.



3. Use screw to lock the aluminum sheet onto the wings.



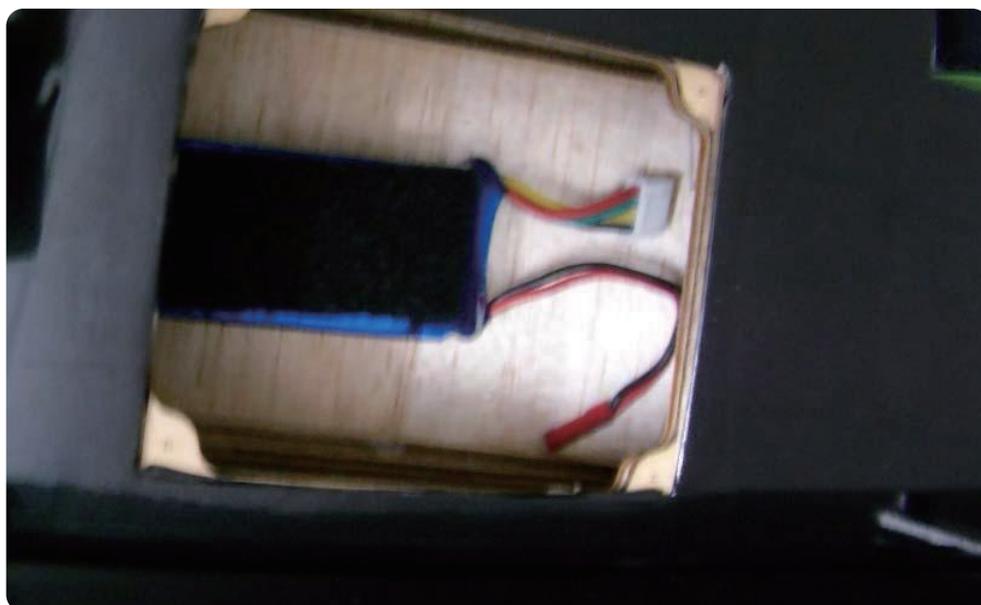
4. Repeat the same way on the other side of the wing.



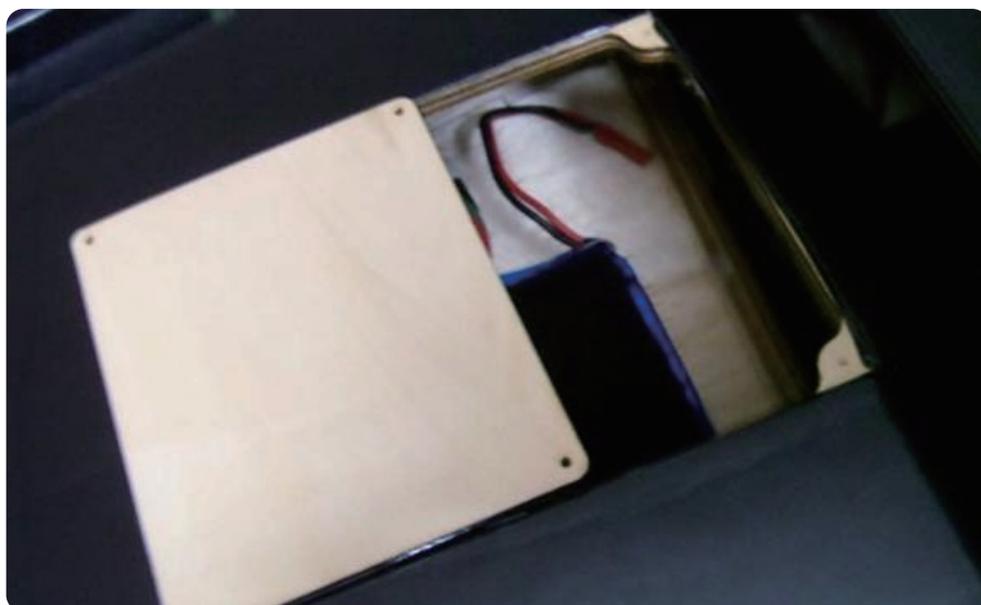
5. Stick a velcro tie into the holes in the back of the wing as shown.



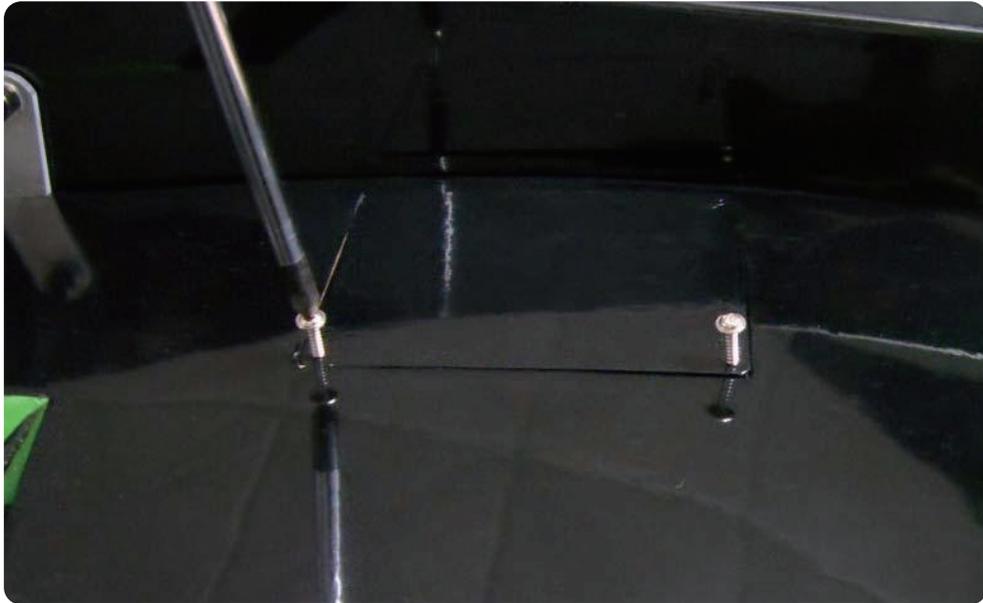
6. Stick the battery onto the white velcro tie.



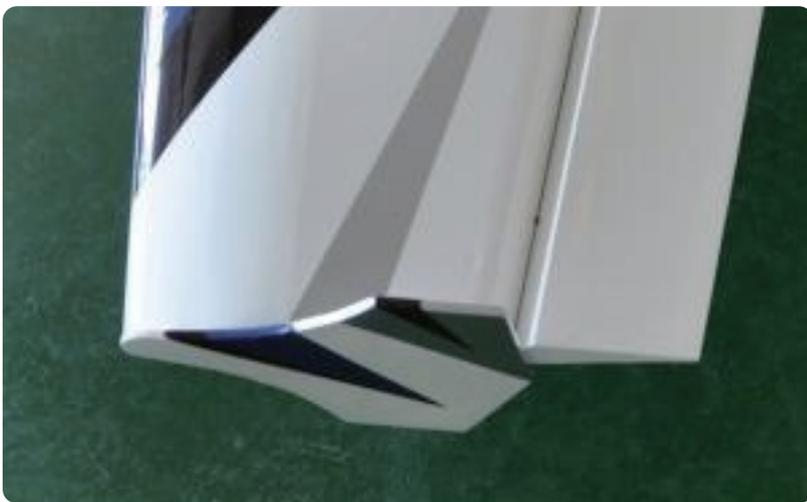
7. Find out the cover plate of this hole



8. Fix the plate onto the back of the wing by screws.
Repeat the same on the other side of the wing to install the receiver.



Install the winglet as shown

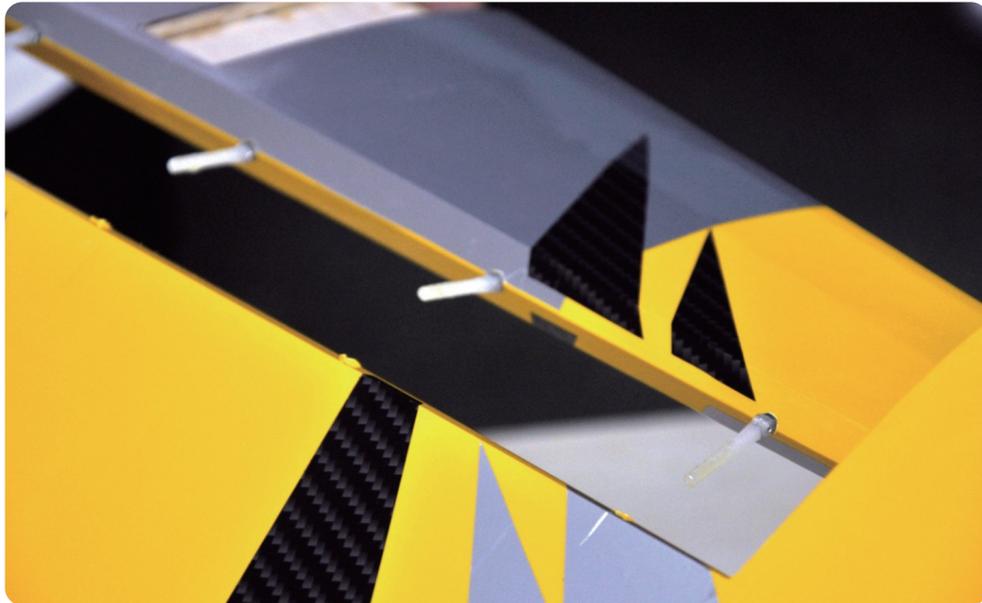


Tail Part Installation

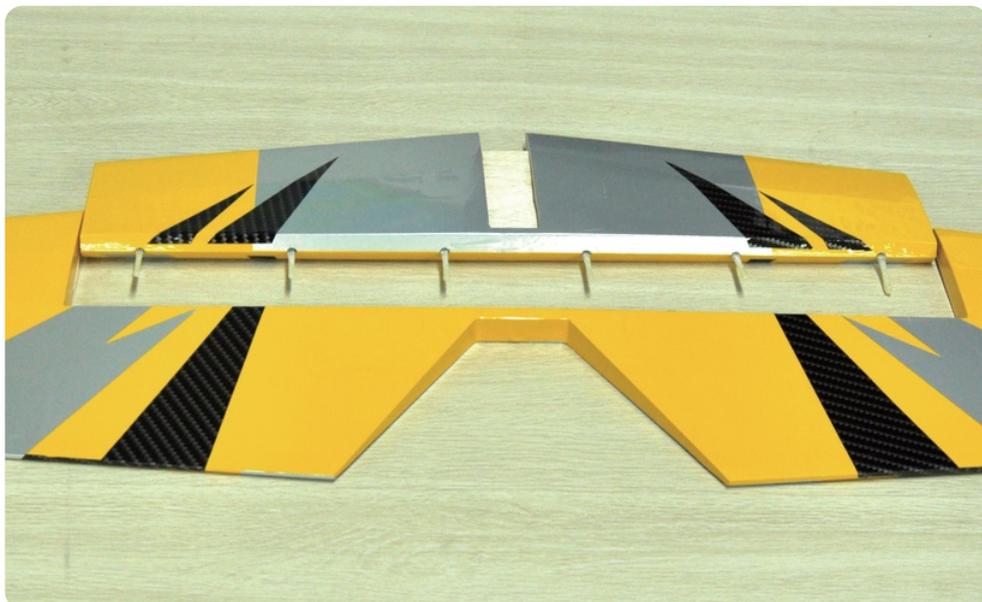
1. Use AB glue to glue it into the fuselage.



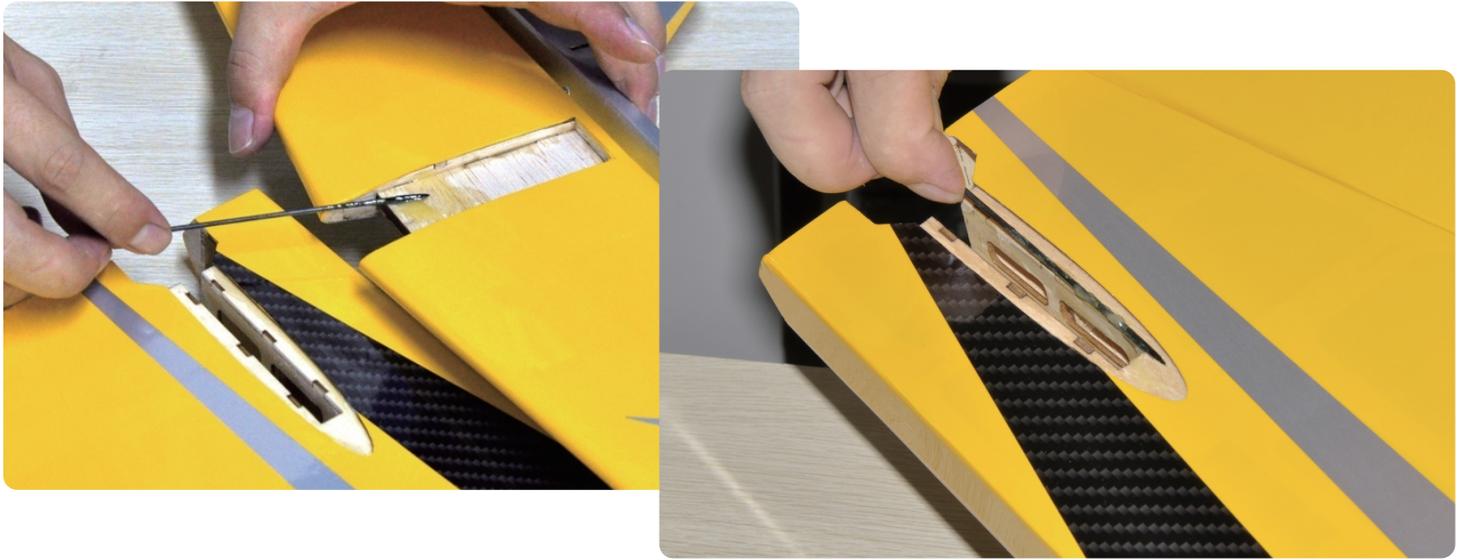
2. Cut out the holes on the fuselage of both sides.



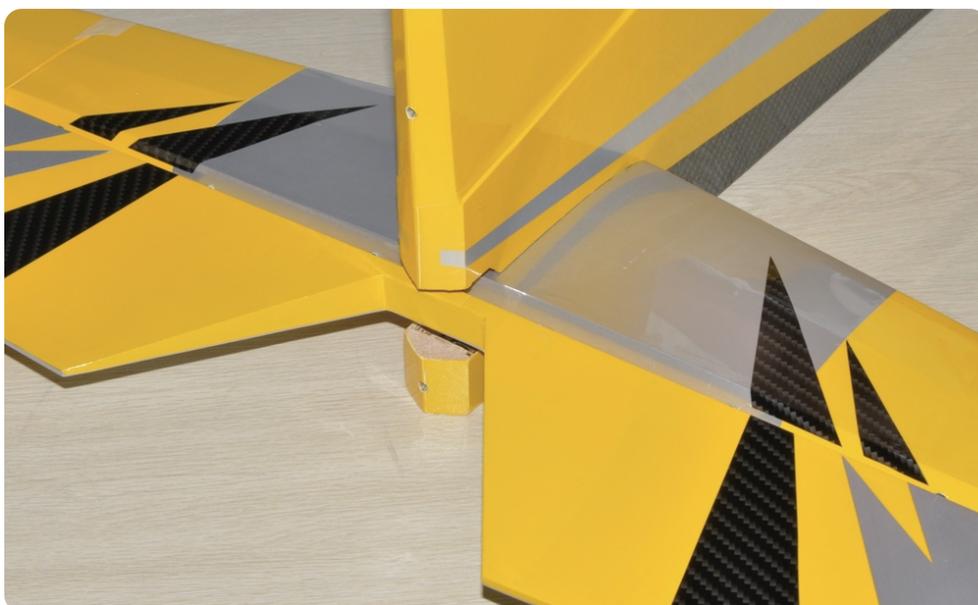
3. Gather the parts for the main landing gear.



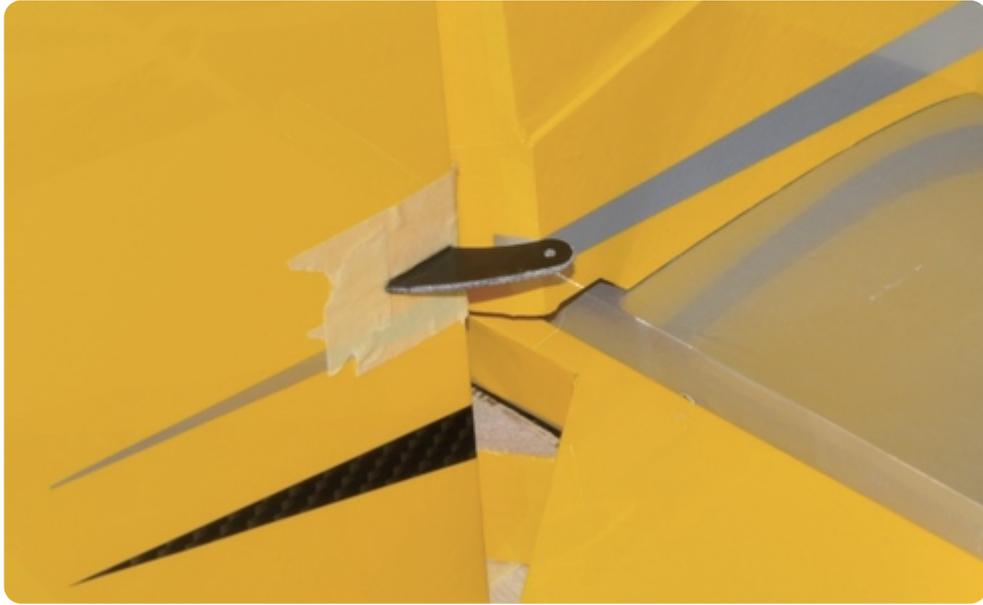
4.Remove the covering film at the position for the stabilizer.



5.Use a saw to cut off the part at the end of the fuselage.



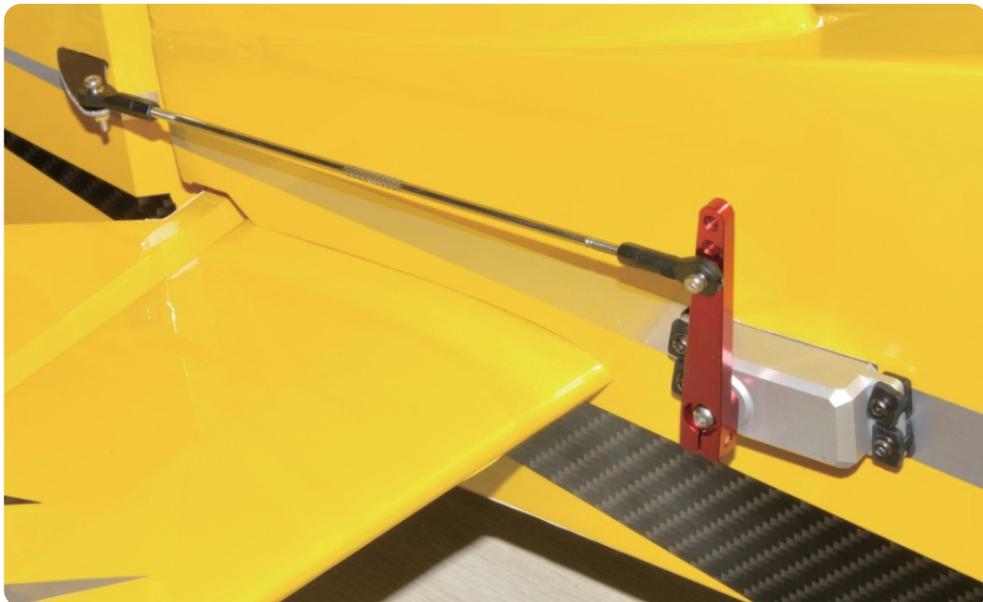
6. Insert the fiberglass control horn sheet into the aileron hole pre-cutted. Use AB glue to glue it.



7. Screw the servo with 4 pieces self-tapping screw.



8. Install the ball links onto the servo arm and the control horn with stainless push rod supplied.



9. Insert the fiberglass control horn into the elevator, and glue with AB glue Screw the elevator servo onto the fuselage as shown.



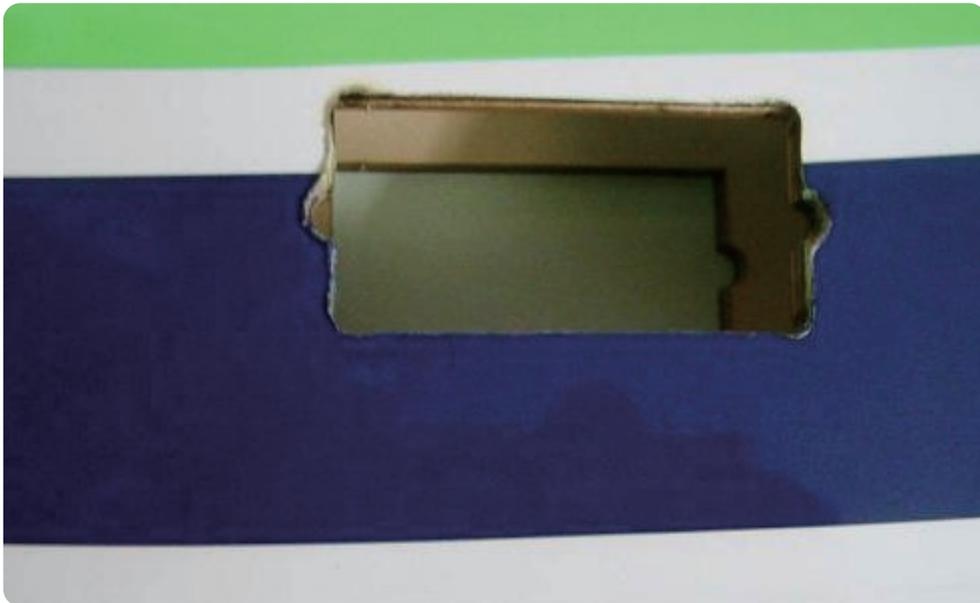
10. Connect the control horn and elevator servo with ball links and pushrod.



1. Cut out the slot for the rudder control horn as shown.



2. Cut out the holes in on the other side of the fuselage for the rudder servo.



3. Insert the fiberglass control horn into the rudder, and glue with AB glue. Screw the rudder servo onto the fuselage as shown.



4. Connect the control horn and rudder servo with ball links and pushrod.



THE FINISHED PHOTO

