

SU-26 50CC

Assemble manual



Wing Span:89in/2260mm;	Flying Weight:6000g;
Wing Area:93sq.dm;	Radio:6channels 6servos;
Length:87in/2208mm;	Engine: 50CC GAS engine;

CAUTION : this plane is not a toy!

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.



Install The Aileron Servo



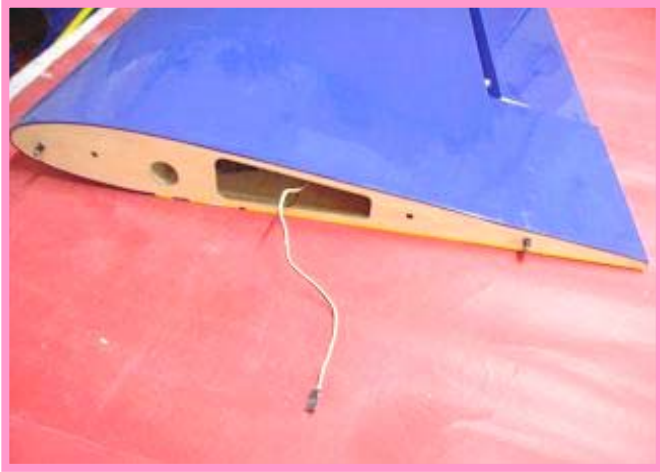
Gather the wings and joiner parts as show.



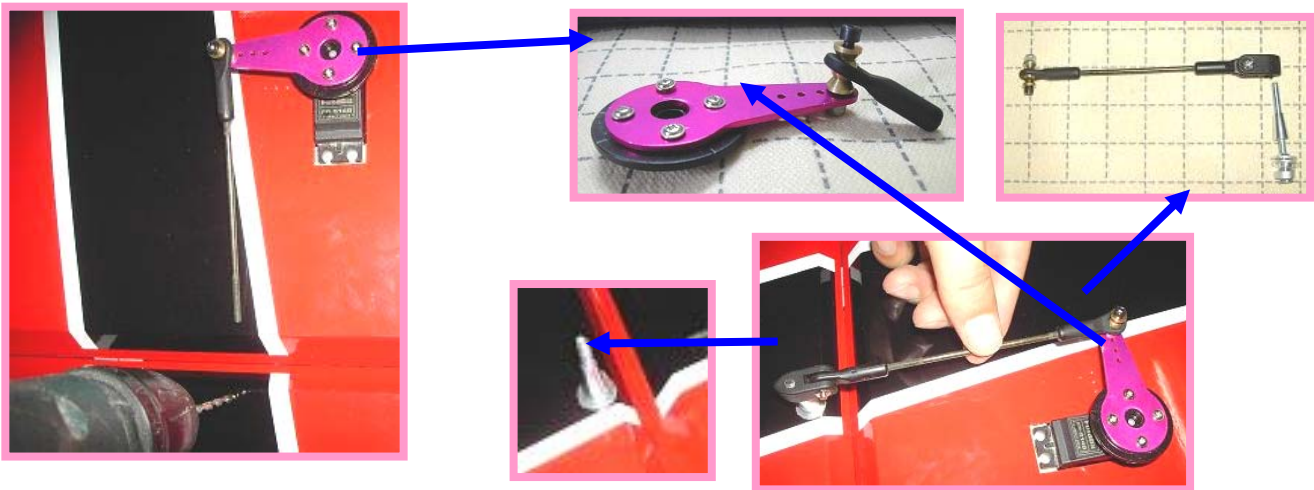
Cut the film along the servo hole on the bottom of the main wing.



Apply AB glue to make aileron attach to the main wing.

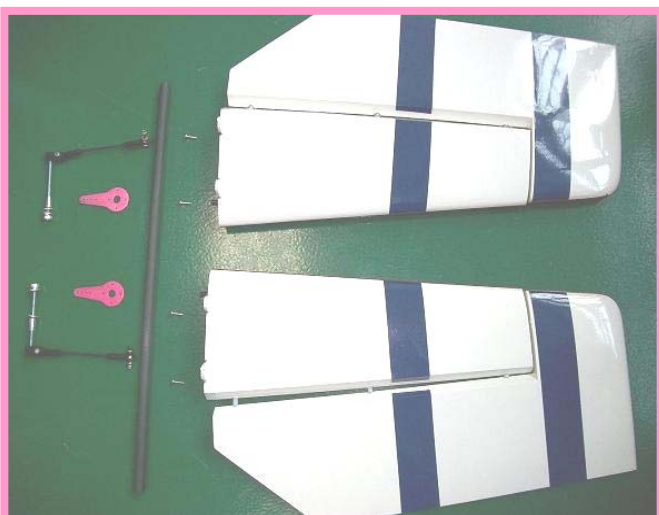


Lay out the servo and draw the servo extension through the wing and pull through the wing root rib.



Link the servo arm and control horn with pushrod as show. Repeat all above steps for the other wing.

Install The Rudder & Elevator



Gather the elevator and carbon joiner parts as show.



Cut the position for the stabilizer assembly.



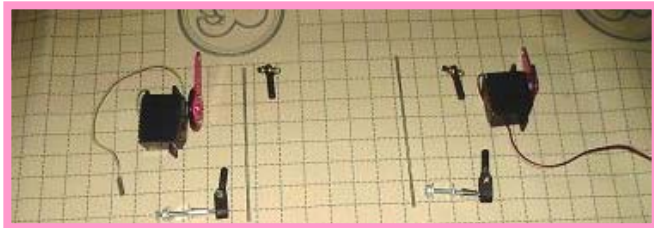
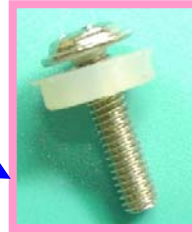
Insert the stabilizer with aluminium joiner .



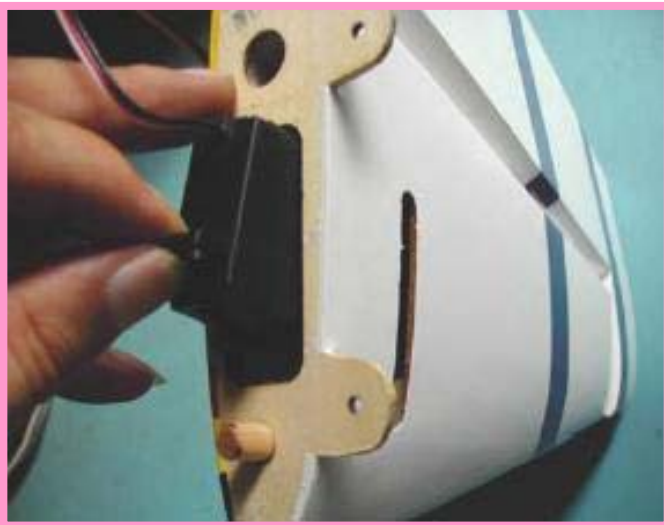
Fixup the stabilizer to the
Apply AB glue to make elevator
attach to the stabilizer.



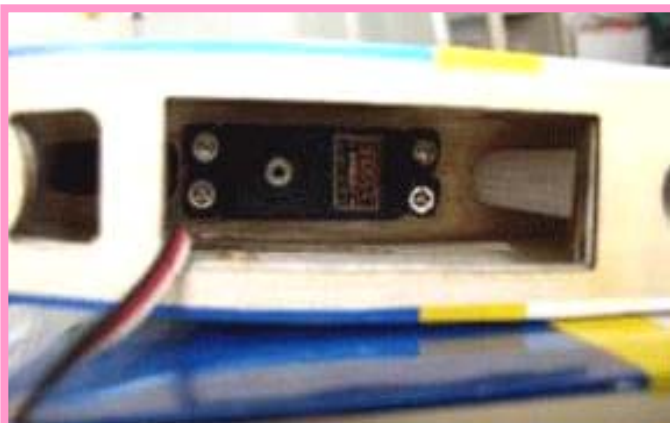
fuselage with four screws on both side.



Mount the elevator servo in place and pull the servo wire extension up toward the front.



Attach the servo extension wire using foam wire holding brackets or zip ties to the formers along the sides of the fuse so they can't interfere with the rudder control cables.

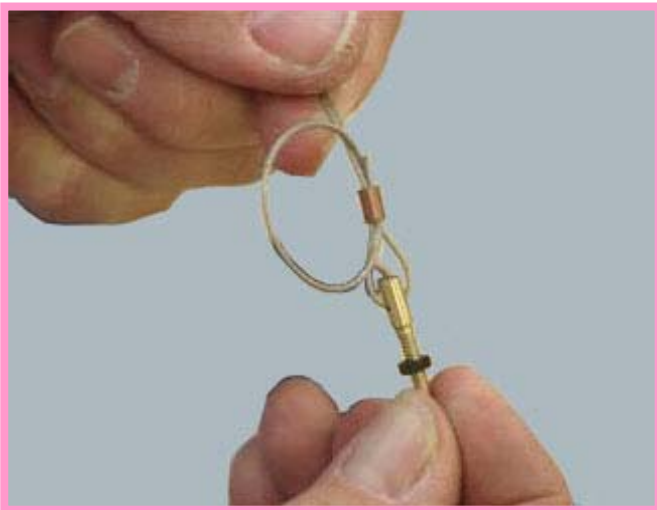


Mount the servo arm on to the elevator push rod before installing it on the servo so you can tighten the nylon insert locking nut to the mounting screw.

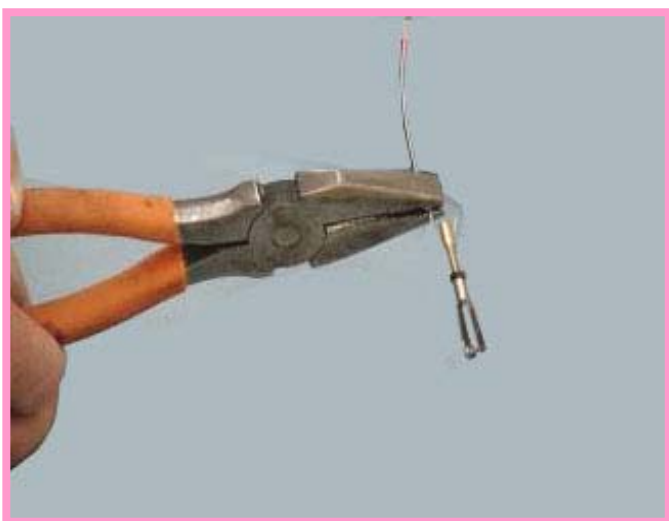


Slide the stab on to the aluminum tube and attach to fuse using the bolts provided.

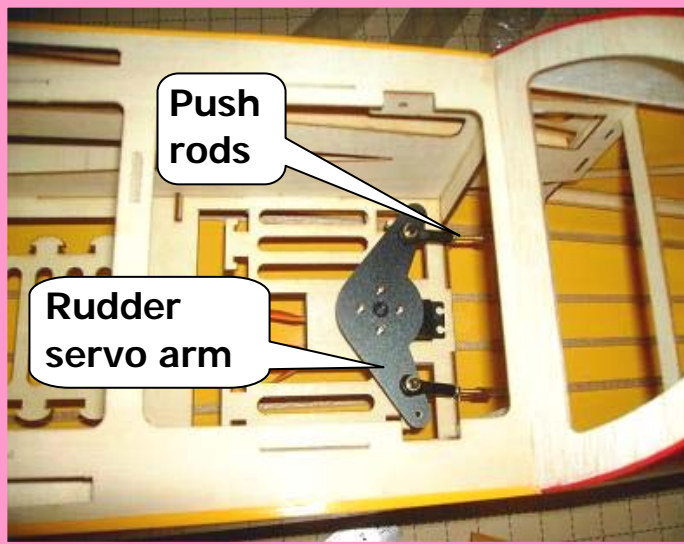
- Make sure the bolts have been totally screwed into the blind nuts.



Loop the cable back through the brass swage tube as shown.



Crimp the brass tube with a crimping tool or pliers.



Attach an metal threaded RC link to each threaded coupler. Attach the RC links to the rudder servo arm and then attach the servo arm to the rudder servo as shown.



- Ensure the servo doesn't bind at center or at either end point. Drill holes in the hardwood tail wheel mount and install the blind nut through the opening in the rear of the fuse. Install the mounting screw for the tail wheel.
- Ensure it has been totally screwed into the blind nuts.



Join The Wing



Join the wing with wing joiner as show.



Pull out the servo extention.



Use four bolts to fixup the main wing to the fuselage.

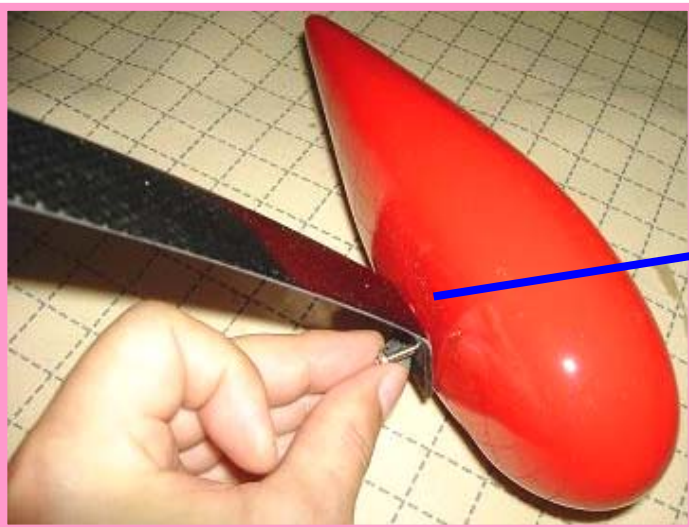
Install The Landing Gear



Gather the landing gear parts as show, Landing gear strut, 4 mounting bolts, washers and lock washers, 2 wheels, 2 axles, and 4 collars .



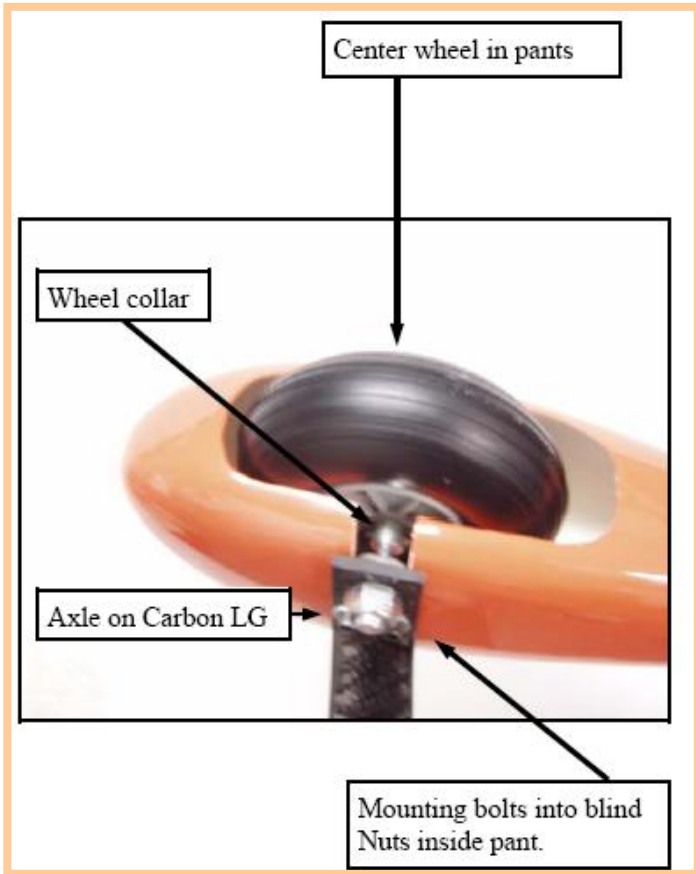
Install the inner wheel collar next to axle bolt. Tighten the inner wheel collar in place. Attach the landing gear to the wheel.



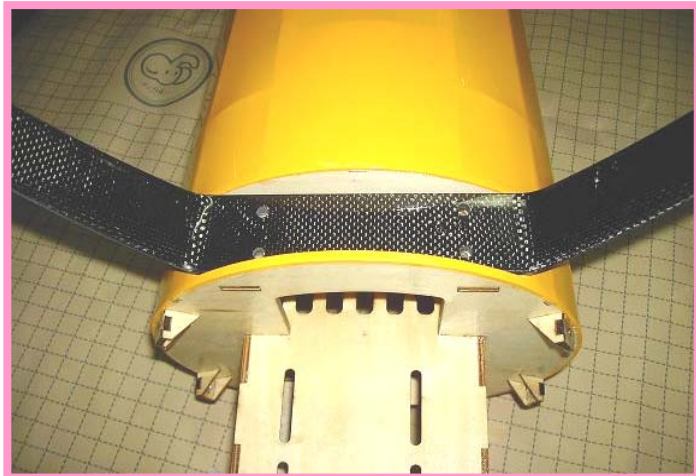
Install wheel pants with two mounting bolts.



Wheel pants take a lot of abuse, mount securely!



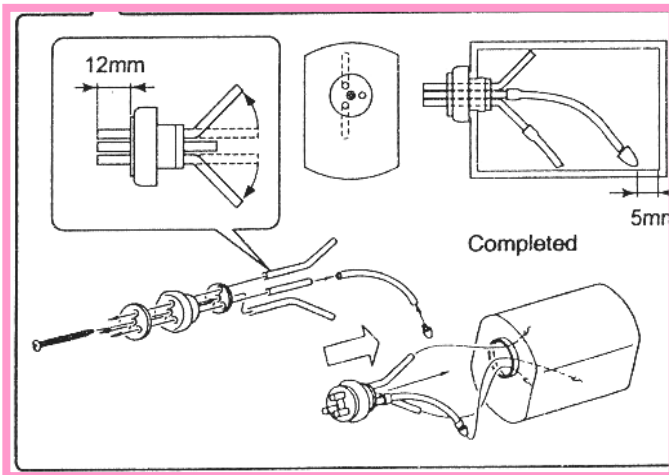
The finished photo as shown.



● Bottom View

High quality carbon landing gear for choice.

Install The Fuel Tank



The process of the fuel tank assembly.



Install the fuel tank mounting ties under the fuel tank floor.



External fuel pipe

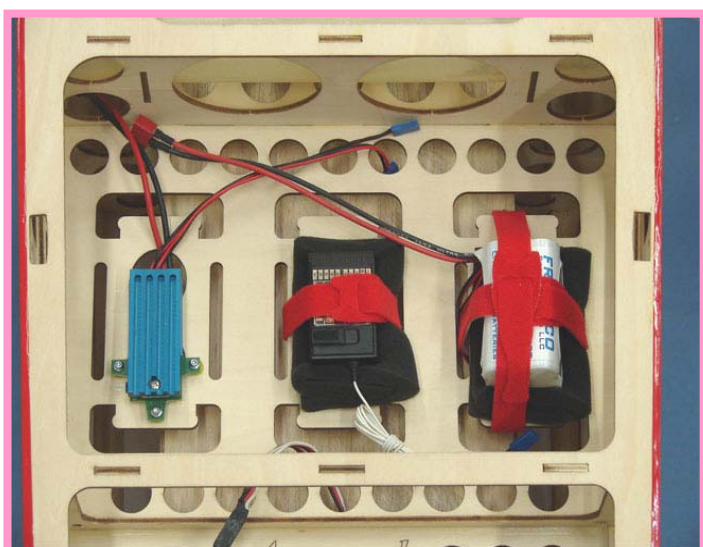


Insert the throttle pushrod through the throttle servo easy link. Move the throttle servo arm to the centered position and pushrod so that carturetor is at half open.

Tighten easy link set screw.



The final throttle servo installation.

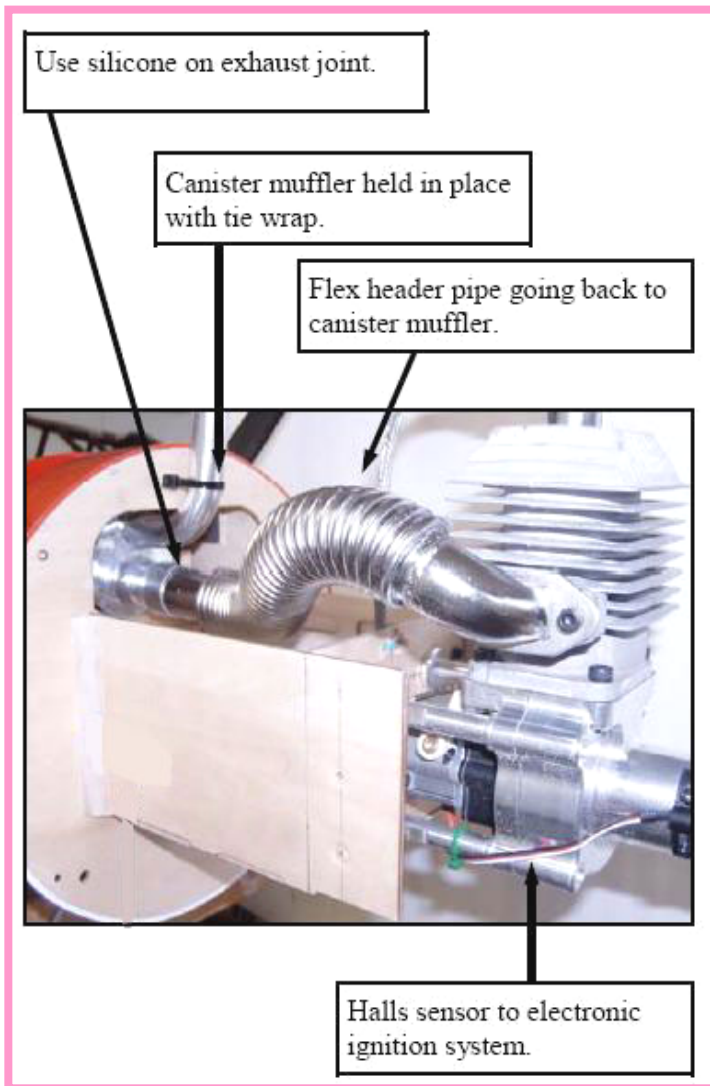


Install the battery, receiver and switch in place as shown.

Glow Engine Installation



Attach the escape-pipe to the engine.

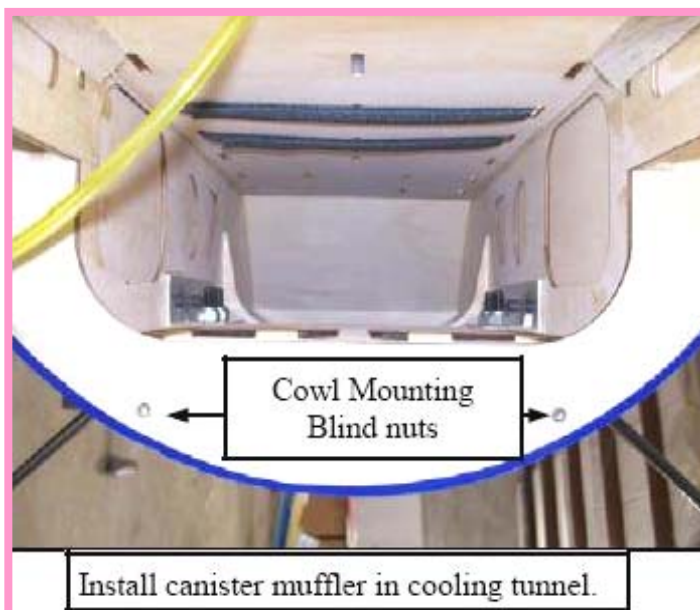


Draw the engine center line and thrust line darker with a ball point. Note the 2 degree right thrust built in to the firewall.

The cowl is already built with this offset as well.

Use the drill template if you are going to use a DA 50 or measure your engines mounting location. Remember the engine is mounted inverted.

Determine where the throttle arm push rod is going to the firewall and drill a hole. If you are going to use a Nyrod, then make the hole the same size as the outside red tube.

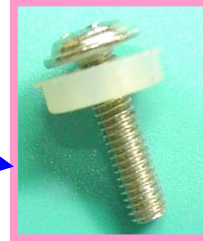


Install the canister muffler in the cooling tunnel with a commercial muffler mount and a support in the front of the muffler made of plywood using some silicon tubing for insulation from the heat using glue.

Assemble The Canopy



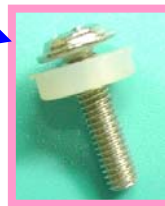
Use four 3MM screws to fixup the canopy .



Assemble The Cowling

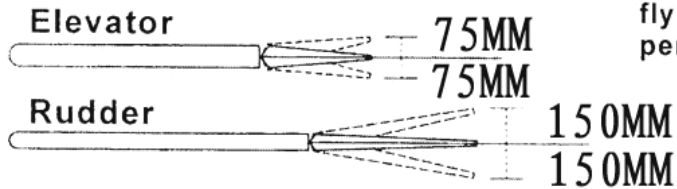


Install the cowling with four 3MM screws.

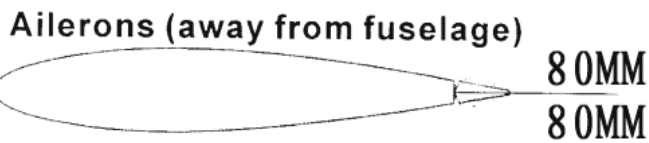


CG & Control Surface Movement

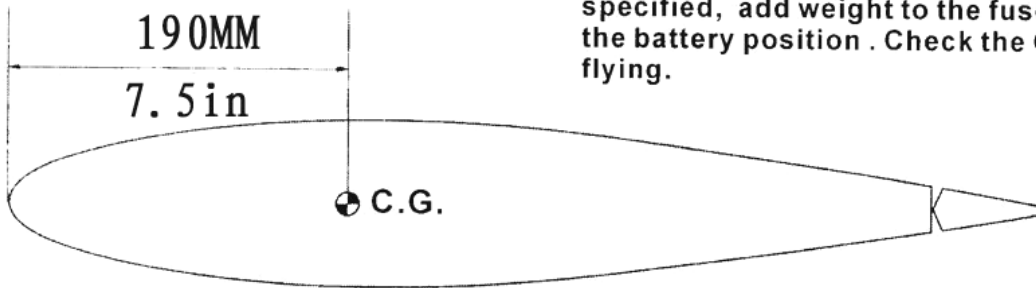
Control Throws



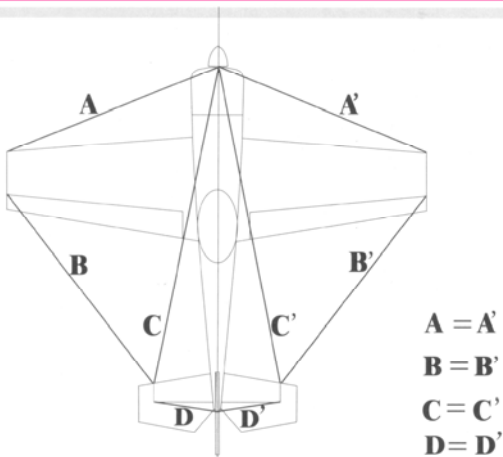
Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.



C.G.



The ideal C.G. Position is 190mm(7.5in) 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.



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



Finished Photo

Flight Model MFG CO

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