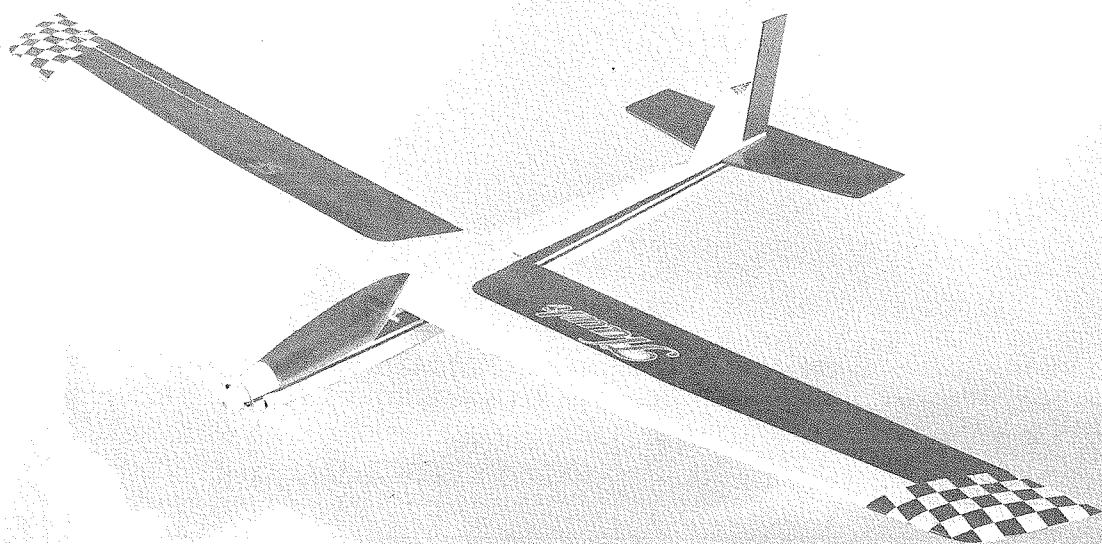




HAWK GLIDER



No. EP-30 組裝說明書

規格 / SPECIFICATIONS

翼展 / WING SPAN: 2000 mm (78.7 in)

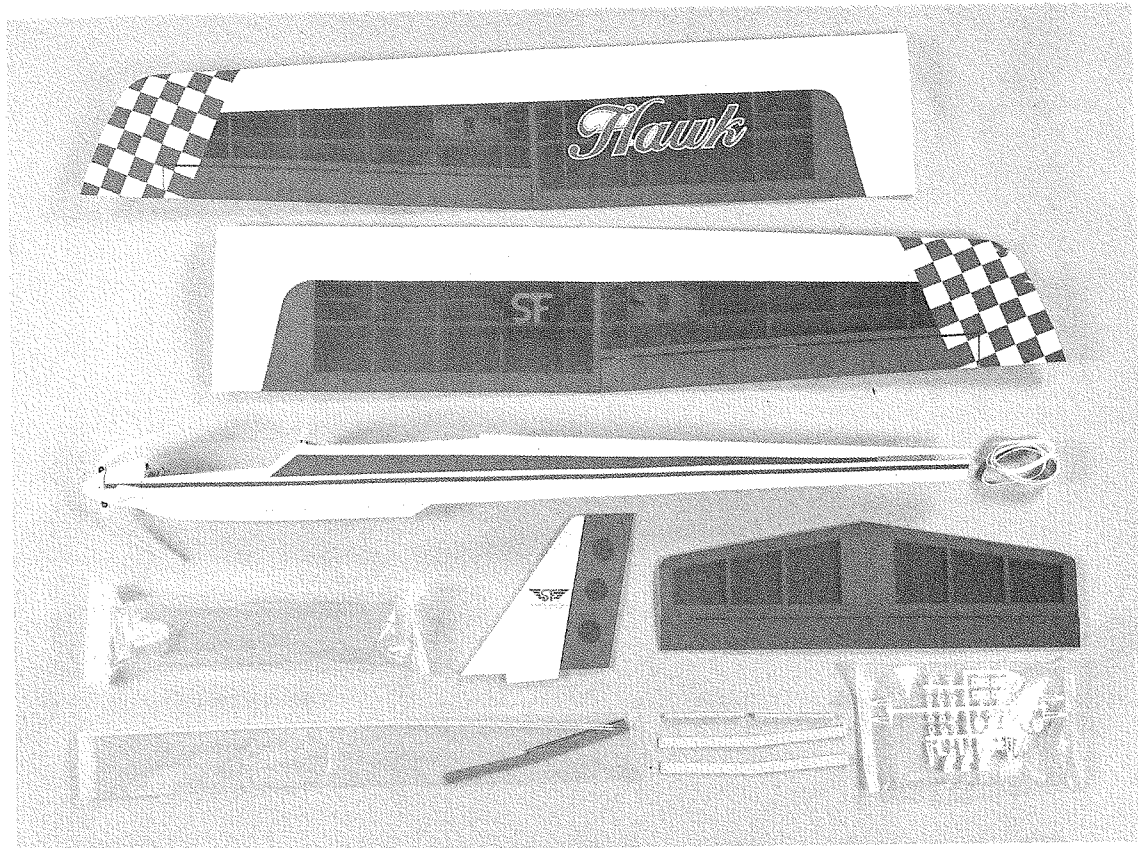
翼面積 / WING AREA: 42 dm² (651 sq.in)

全長 / LENGTH: 1043 mm (80.4 in)

重量 / WEIGHT: 900~1000g (31.7~35.2 oz)

遙控器 / RADIO: 4 Ch

INSTRUCTION MANUAL



The whole accessories including in this kit.

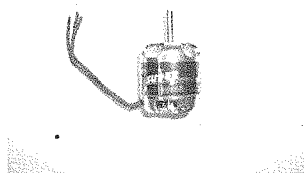
Recommended radio and electronic equipment (Not included in kit):

- | | |
|----------------------------|-----------------------------------|
| 4 Channels radio | Y-harness x 1 piece |
| Mini servos x 4 pieces | 30A speed control |
| Receiver | Li-Po 2100mA 3 cells battery pack |
| 300mm extension x 2 pieces | |

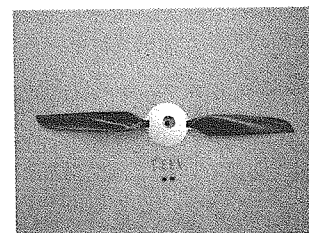
Optional accessories



#2421
30A brushless
Speed Control



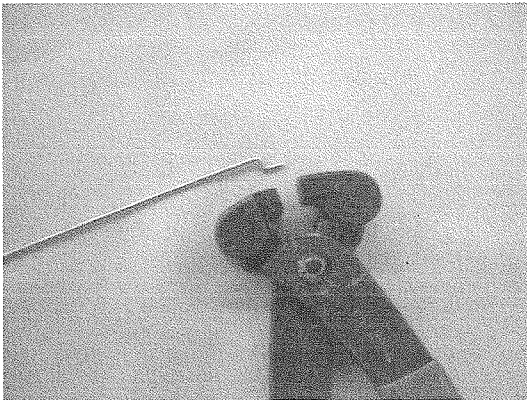
#2200-12-1000
1000KV 12-pole
brushless motor



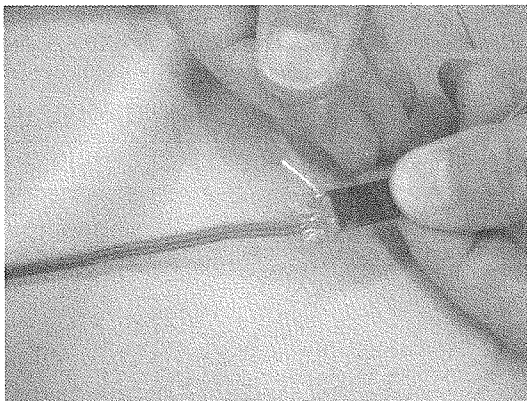
#1004CF-9.8X5

Required Tools and Adhesives

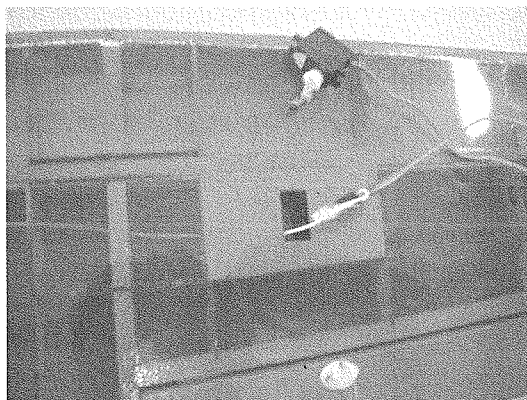
- | | | |
|------------------|-----------------------------|-----------------|
| Z bender | Epoxy 5-minute | Paper Tape |
| 1.5mm Hex wrench | Small Phillips Screwdriver | Lubricating Oil |
| Hobby Knife | Pen | Soldering Iron |
| Ruler | 2mm driller Curved scissors | Solder |
| Pliers | CA glue | |



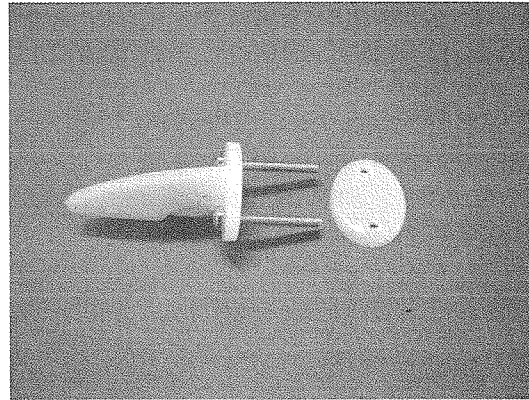
Made a Z-bend on one end of the rod using Z bender.



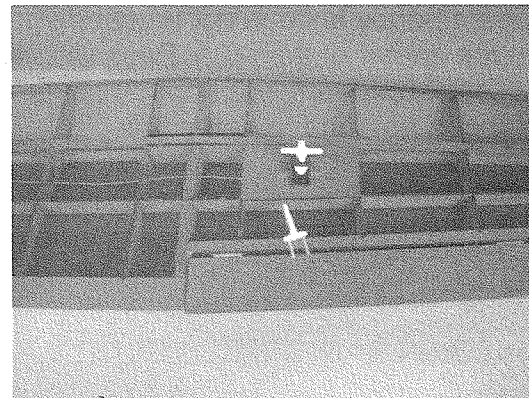
Connect the female plug of the 300mm extension with the male plug of the servo. Use transparent tape to circle the connecting place for preventing loosening.



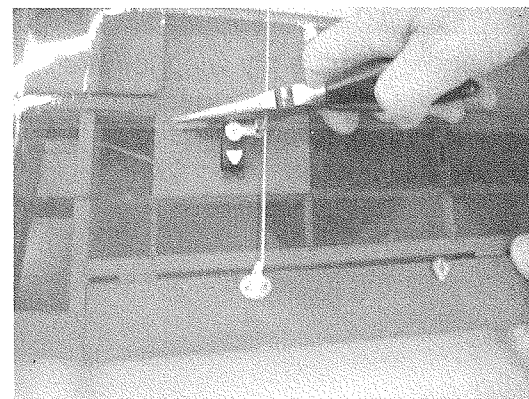
Tight a cotton line on the male plug of the extension. Route the line through the pre-drilled holes in the rid. Cut off the cotton line when the extension is out of the hole.



Take the control horn and M2 screw out the hardware. Assemble just like the illustrator. Please note that the control horn must be perpendicular to the control surface when secure the control horn.

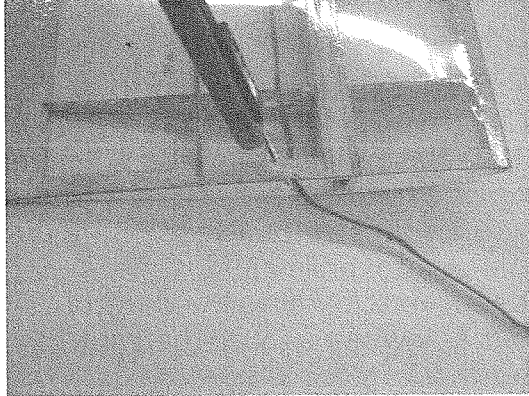


Use 2mm driller to drill a hole on the aileron. Secure a control horn on this hole.

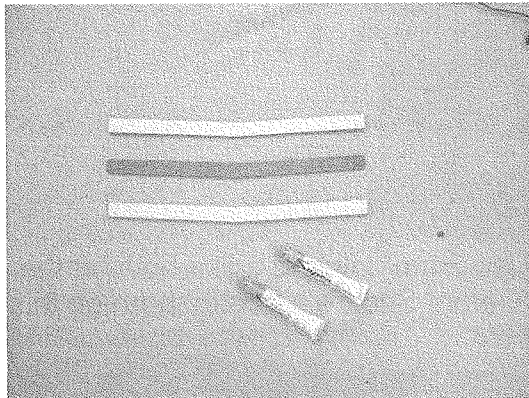


Connect the Z end on the control horn. Center the aileron. Using a felt tipped

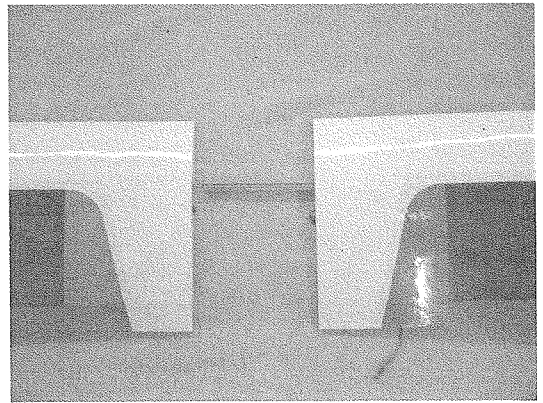
Pen, make a mark on the rod where the rod will be 5-6mm longer than the contacting place with the servo arm. Cut off the excess rod on the marking place. Insert the rod into the rod connector. Secure the rod using M3 hex screw.



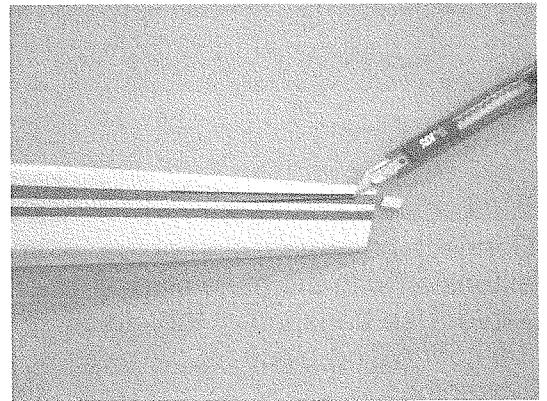
Use a hobby knife to cut an opening at the center of the wing. Pass the extension through the hole. Apply the transparent tape over the hole.



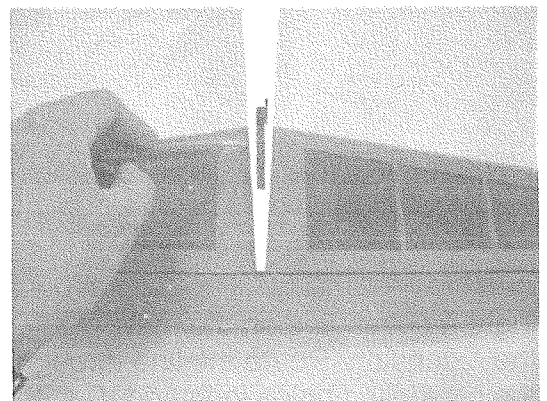
Mix epoxy to glue ply wing joiners on both sides of metal wing joiner. Clamped in place to hold the joiner together while the epoxy cures.



Try to fit wing joiner into each of the wing panels. It should insert easily. If necessary, sand the joiner until it is achieved. Spread epoxy on both sides of wing joiner and install the joiner into the cavity on both wing panels. Wipe away the excess epoxy.

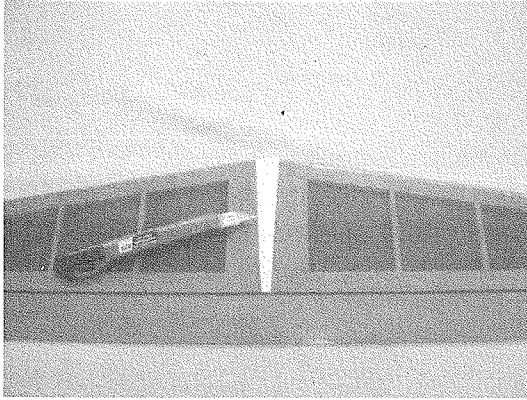


Use hobby knife to cut off the balsa wood on the rear edge on the horizontal.

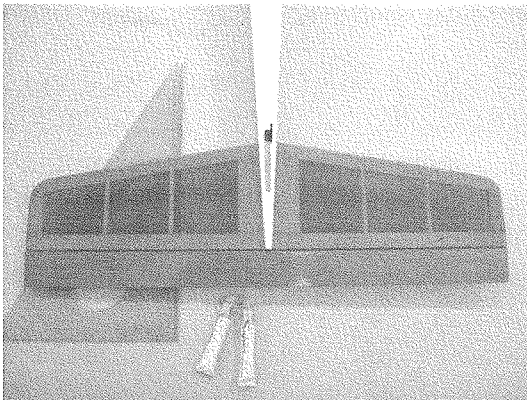


Try to fit the horizontal to the fuselage. Please note that the horizontal must

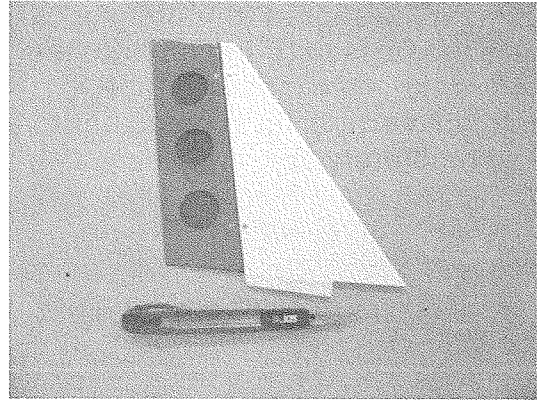
be on its center position and the fuselage must be perpendicular to the rear edge. When satisfied with the position, carefully mark the position with a pen at the junction where the horizontal meets the fuselage.



Using hobby knife, carefully cut the covering inside the marking lines. Please do not press hard enough to cut into the wood as doing so could weaken the horizontal.

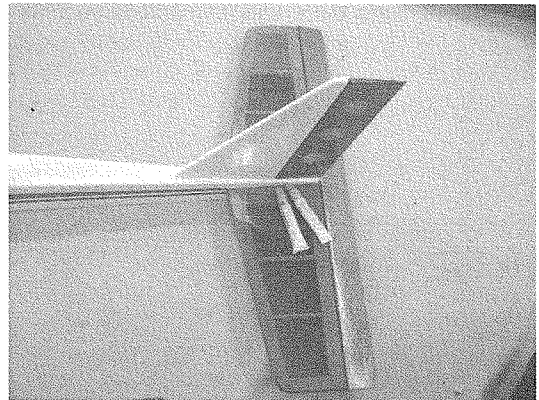


Spread epoxy on the top and bottom of the horizontal where it comes into contact with the fuselage. Lay the horizontal onto a flat work surface and position the fuselage onto it, making sure it is centered.

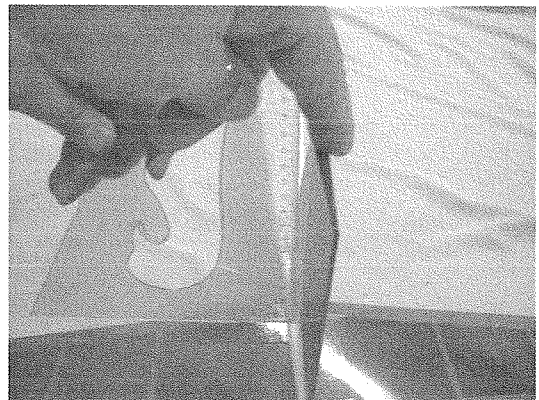


Try to fit the vertical on the fuselage. When satisfy with the location, carefully mark with a pen the position of the vertical on both sides where it exits the fuselage.

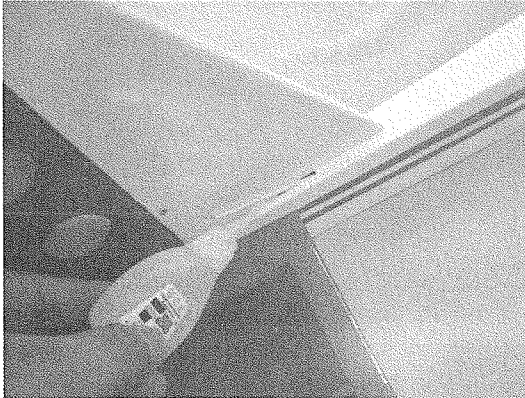
Using hobby knife, carefully cut away the covering inside the lines. Please do not cut into the wood.



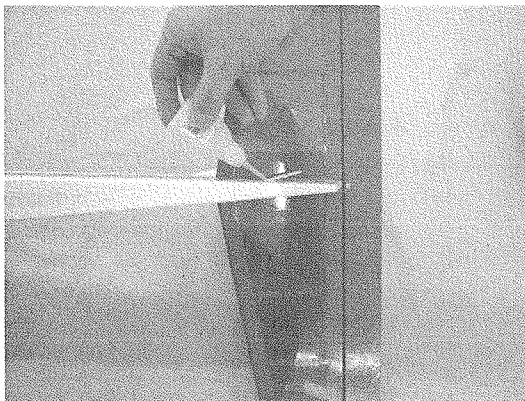
Apply epoxy to the base of the fin where it comes in contact with the fuselage. Insert the fin into the fuselage.



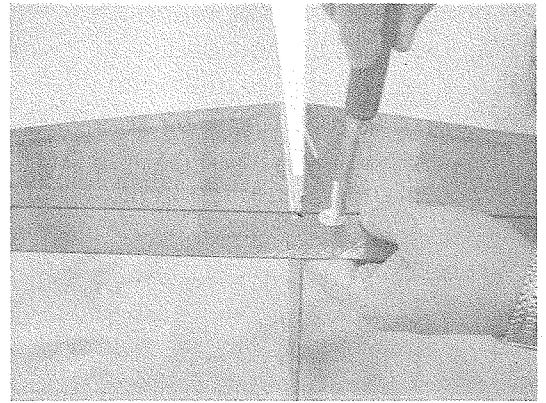
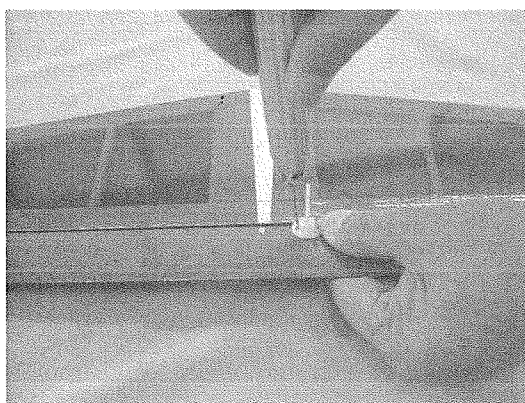
Using a 90-degree triangle, make sure the fin is perpendicular to the horizontal. Use masking tape to hold the vertical fin in place until it's completely dry.



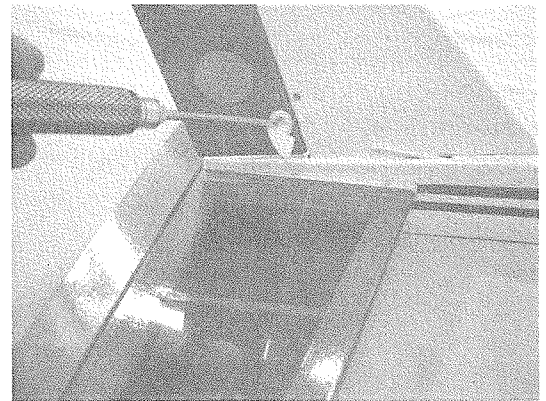
Secure the out tube for the rudder pushrod on the top of fuselage using CA glue. The length of the out tube is 25-30mm shorter than the rod.



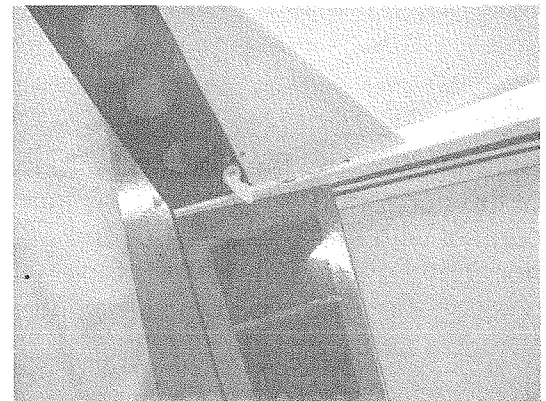
Secure the out tube for the elevator pushrod on the bottom of fuselage using CA glue. The length of the out tube is 25-30mm shorter than the rod.



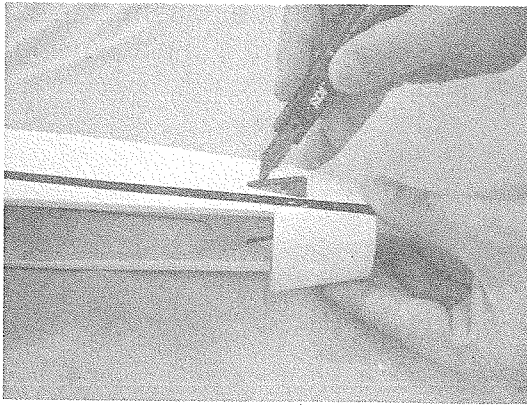
Use 2mm driller to drill a hole on the bottom of the elevator (near the fuselage). Secure a control horn on this hole.



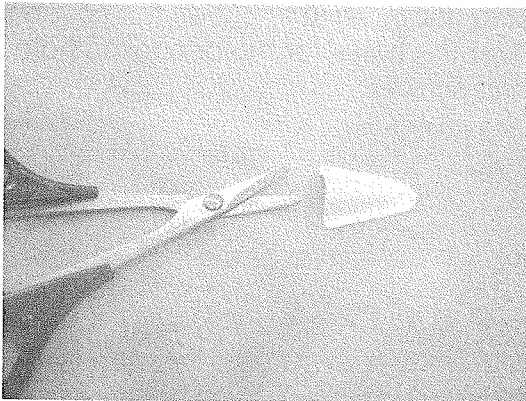
Use 2mm driller to drill a hole on the rudder. Secure a control horn on this hole.



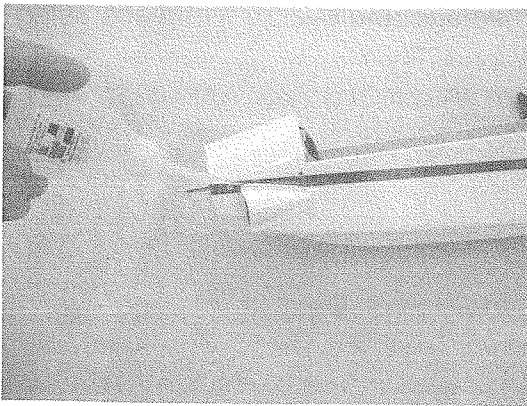
Insert the rods into the out tubes. Connect the clevis with the control horns for both elevator and rudder.



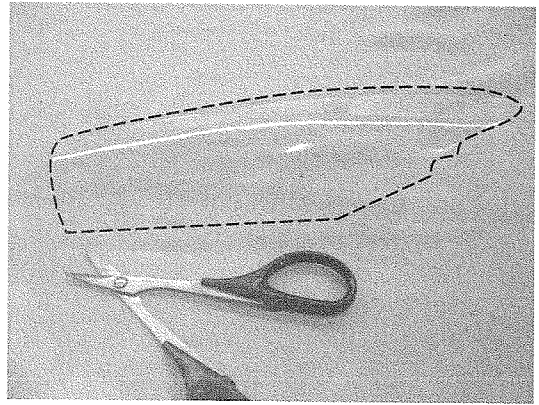
Use a hobby knife to cut out the pre-serving cooling holes on two sides of the fuselage.



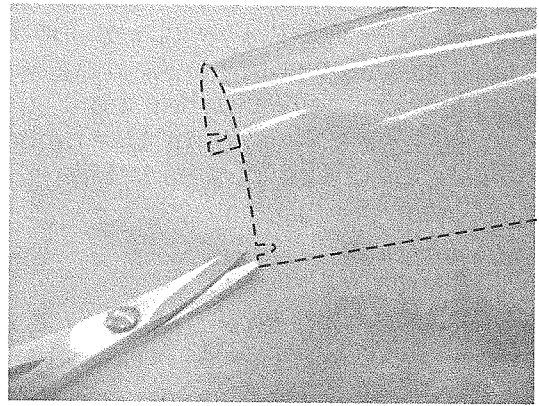
Take 2 pieces of intake cowls from the hardware bag and trim the edges. It must have 2mm more on the edges and an opening in the front.



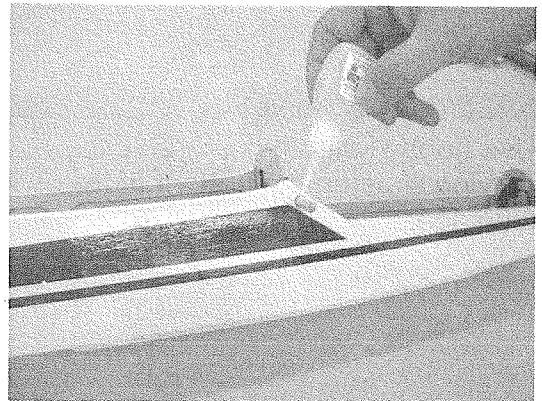
Glue the intake cowls on cooling holes.



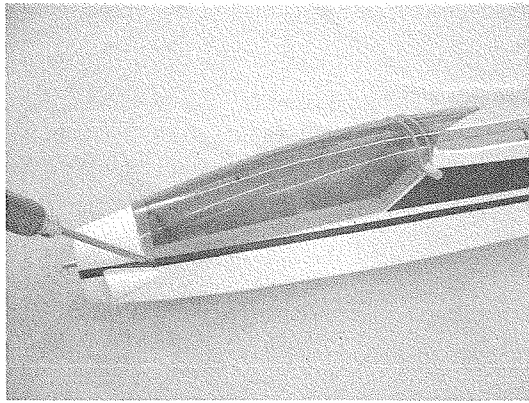
Take the canopy and use curved hobby scissors to trim the canopy according to the tooling line.



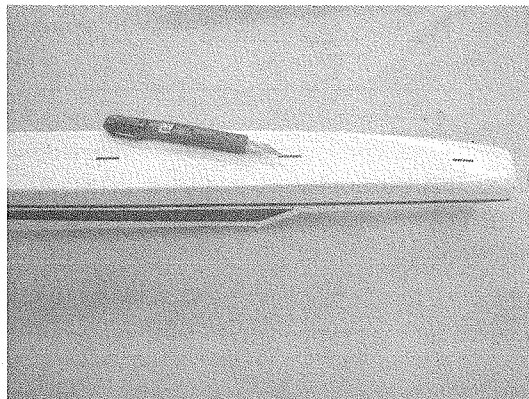
Use hobby scissors to cut a 2mm x 4mm opening on the canopy as the illustrator.



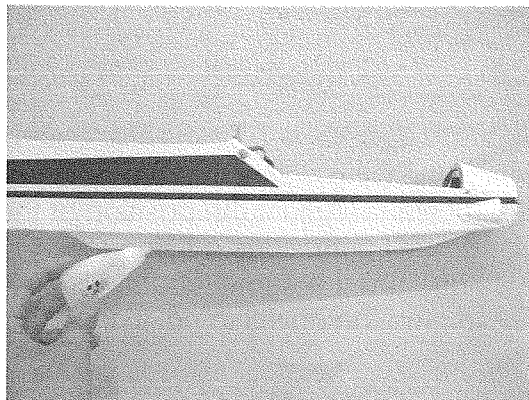
Insert the wing dowel into the hole on the fuselage. Adjust the position of the dowel until both sides outside the fuselage are the same length. Use CA to glue the dowel in position.



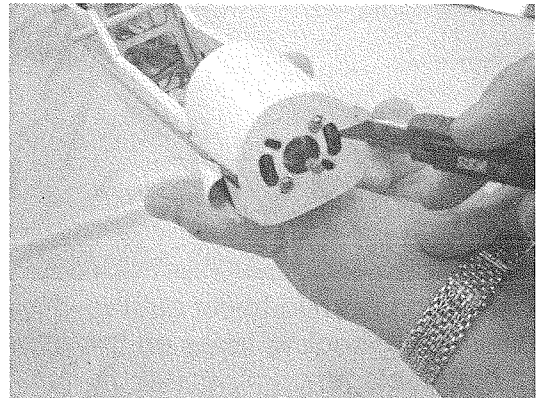
Try to fit the canopy on the fuselage. The front part must cover the fuselage around 1.5mm. When satisfied with the position, use 2 x 6mm tapping screws to secure the canopy on the fuselage. Use a hobby knife to cut two openings on the rear part of the canopy for the wing dowel. Use rubber band to secure the rear part of the canopy on the fuselage.



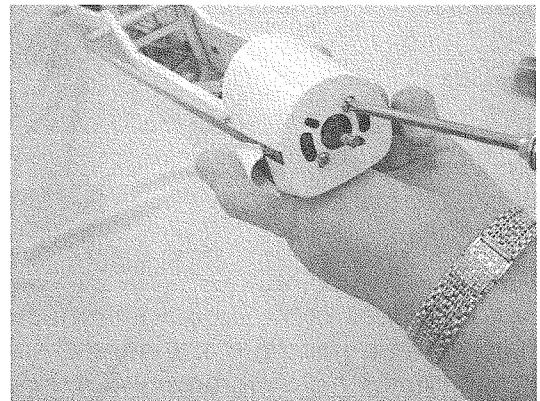
Use hobby knife to cut three preserving slots on the bottom of the fuselage.



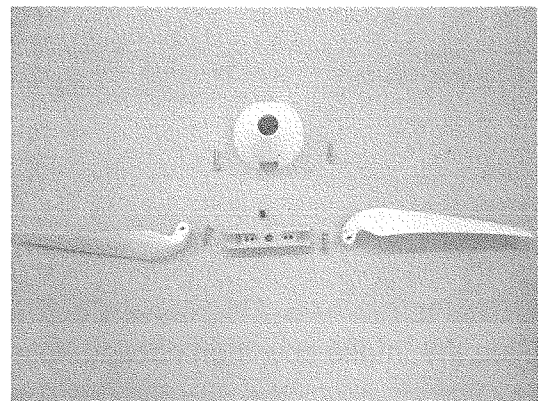
Install the skid on the bottom of the fuselage and secure it in place using CA glue.



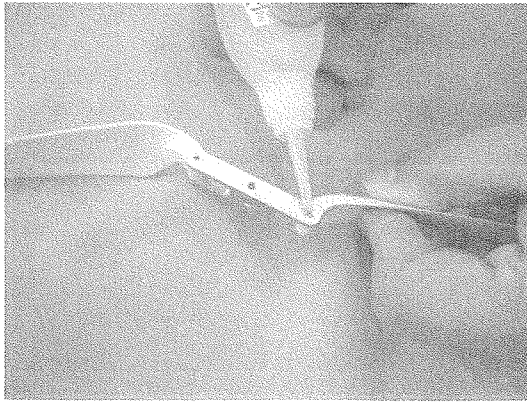
Use hobby knife to cut off the covering over the holes for motor cooling hole and screws.



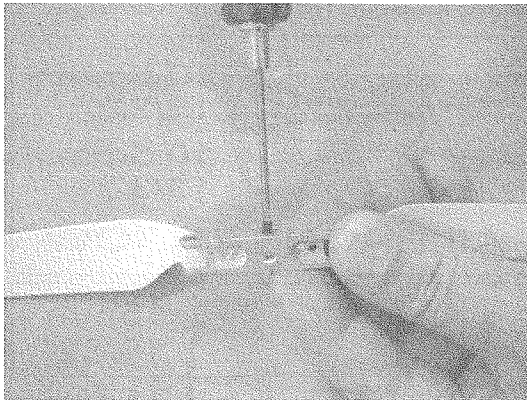
Install the motor on the head of fuselage and secure it in place using M3x8 screws.



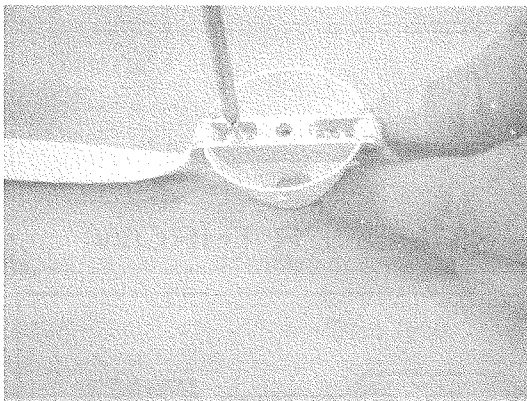
Take the cooling folding propeller out of the hardware bag.



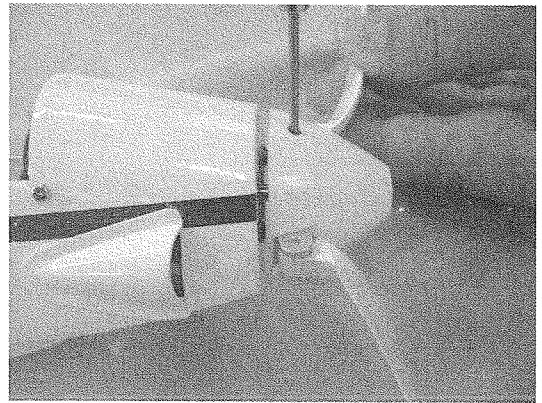
Use screws to secure the blades on the mount. Drop some CA on the screws.



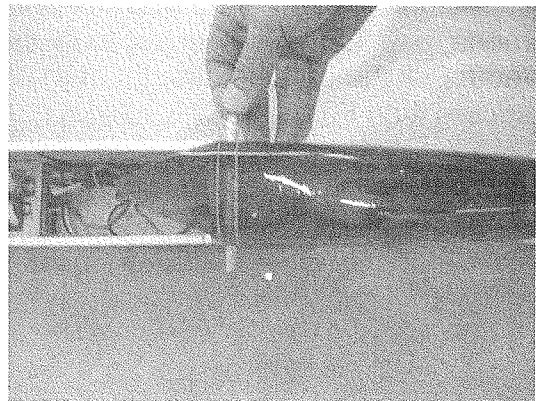
Use 1.5mm hex wrench to screw in the hex screw, but just 2 threads.



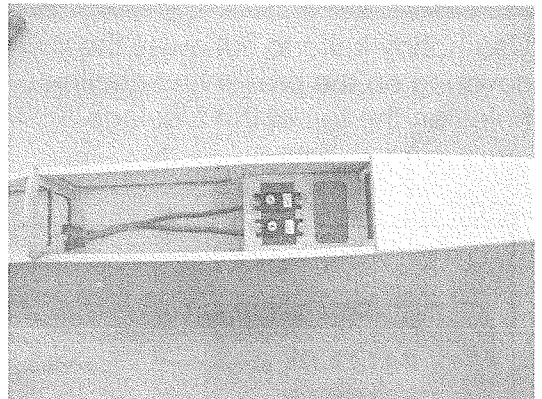
Place the spinner on the mount and secure it in place using 2 pieces of 2 x 8mm tapping screws.



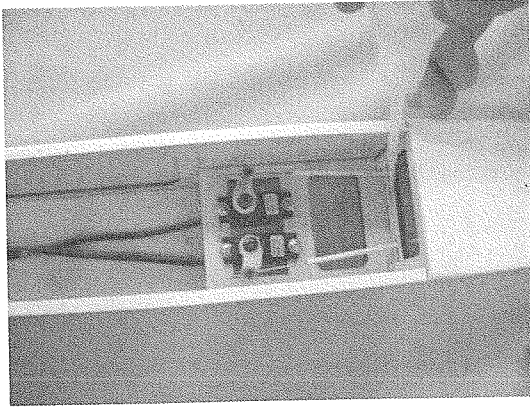
Secure the propeller set on the head of the fuselage. Please note the gap between the fuselage and spinner is 1.5mm.



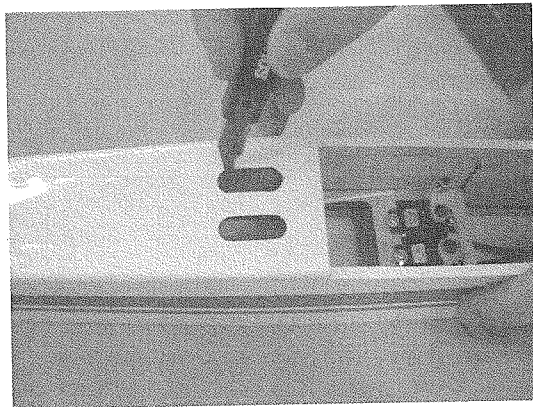
The canopy is removable. It is easy to change the battery just loosening off the rubber band.



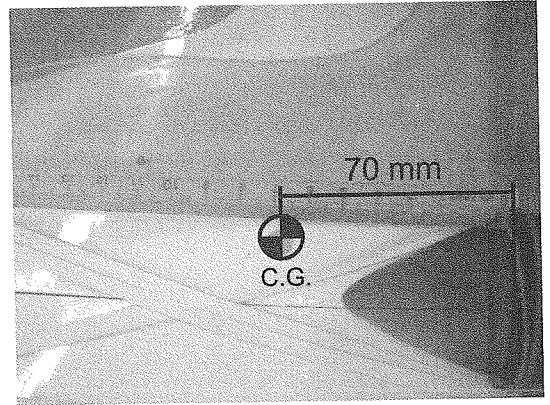
Place 2 pieces of 9g servos on the servo tray. Secure them in place using the screws.



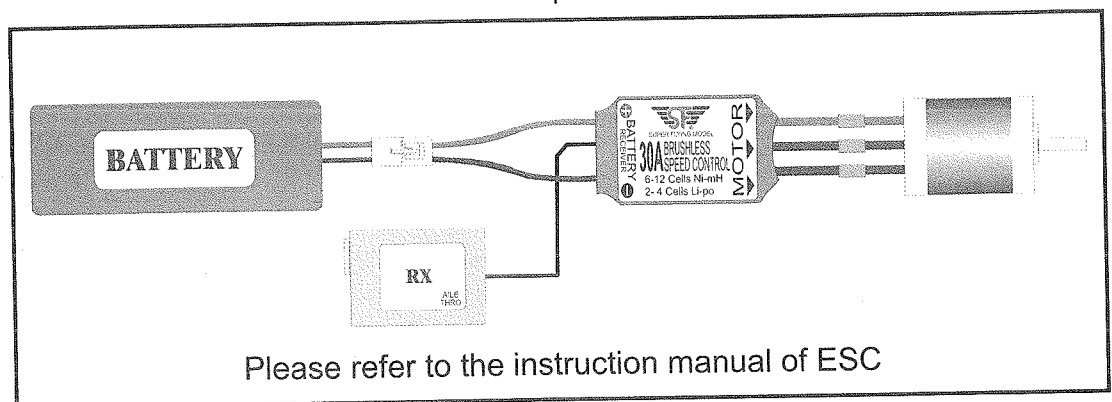
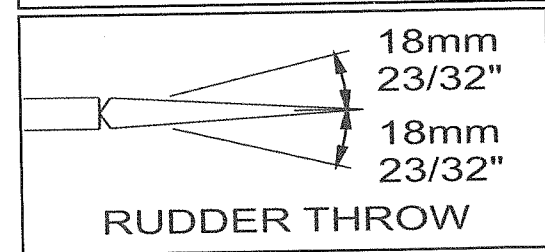
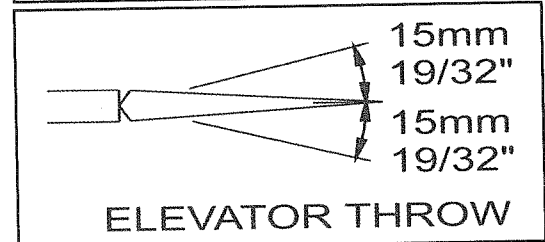
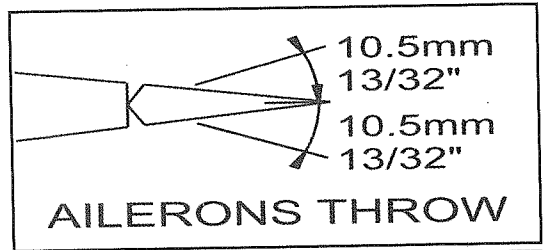
Insert the pushrods into the out tubes. The length of the rods must be 20-25mm longer than the out tubes. Slide the pushrod through the rod connector. Centered the elevator and rudder, use 1.5mm hex driver to fix the rods. Pull the outtube straight and secure it on F3 using CA.

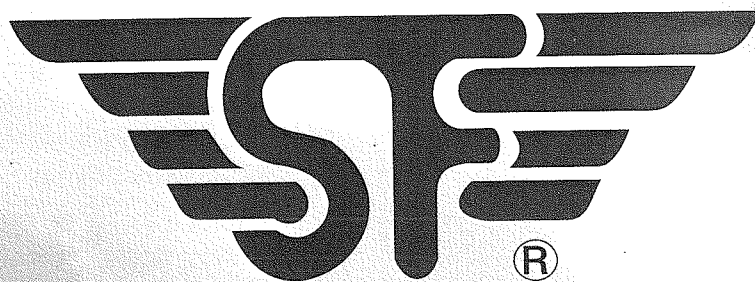


Use hobby knife to cut away the covering on the preserving cooling holes on the top of the fuselage.



The recommended center of gravity location is from 70mm back from the leading edge of the wing. Measured at the location next to the fuselage.





SUPER FLYING MODEL
MANUFACTURE

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