

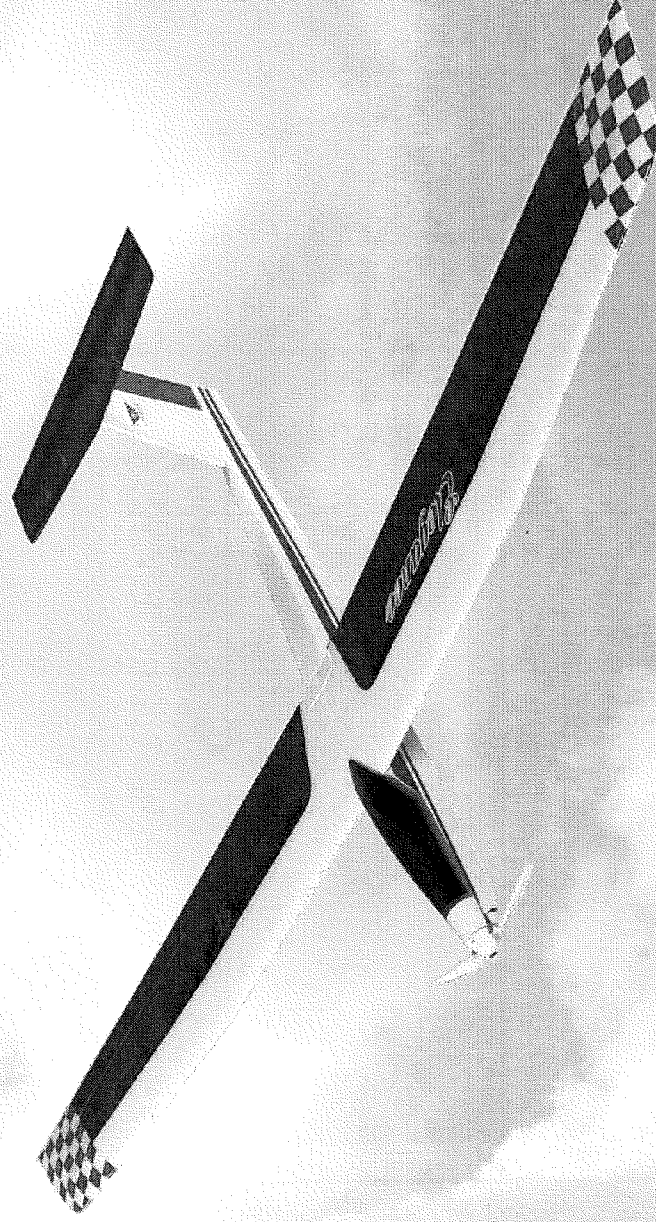


SUPERFLYINGMODEL
MANUFACTURE

No-EP-30T

HAWK GLIDER

T-Tail



SPECIFICATIONS

Wing Span: 2000mm

Wing Area: 42 dm²

Length: 1043mm

Total Weight: 950g

Radio: 4 channels

Motor: **DUALSKY**

ECO 2820C-940KV brushless

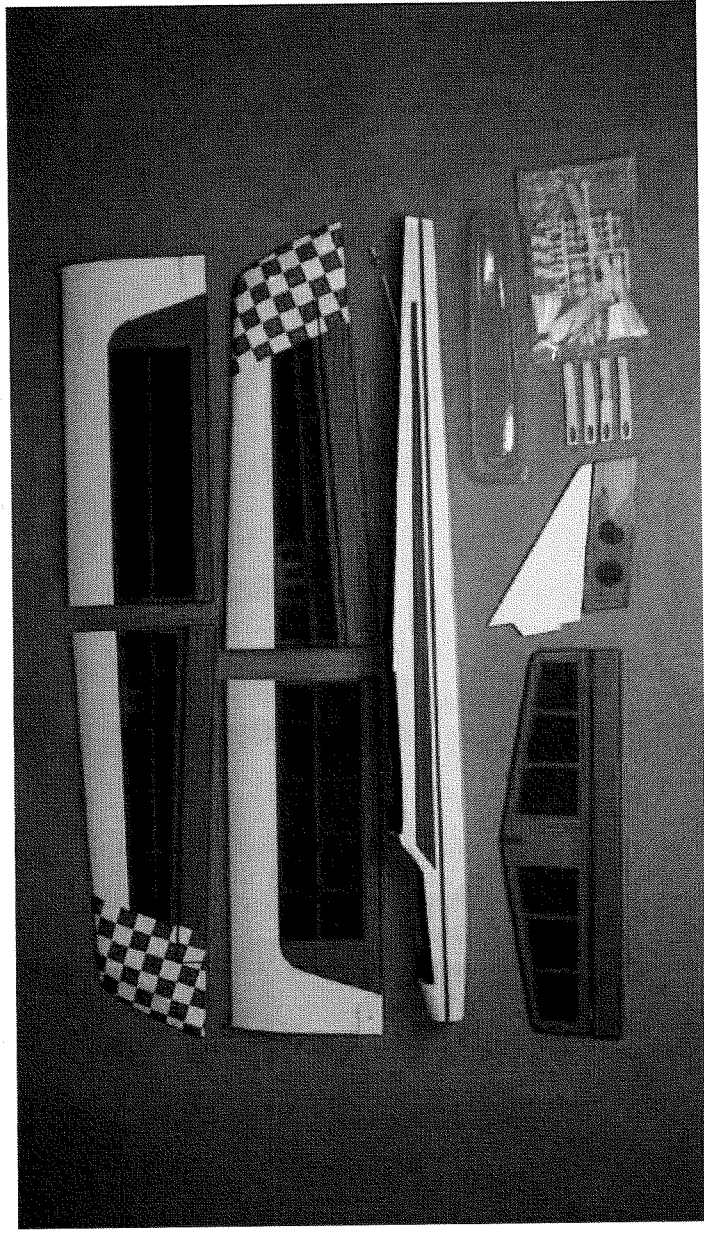
Propeller: 12 x 8"

Thrust: 1 KGS and up

Battery: Li-Po 3-cell 2200mAh and up

ESC: 40A

INSTRUCTION MANUAL

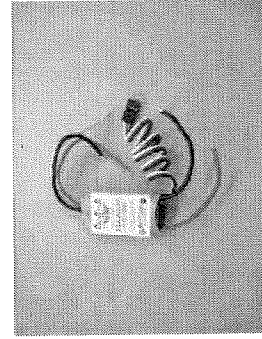


The whole accessories including in this kit.

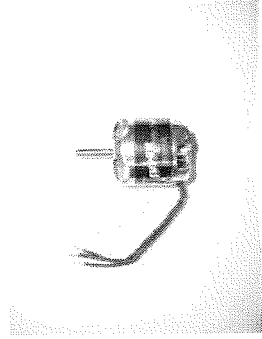
Recommended radio and electronic equipment (Not included in kit):

- 4 Channels radio
- Mini servos x 4 pieces
- Receiver
- 300mm extension x 2 pieces
- Y-harness x 1 piece
- 40A speed control
- Li-Po 2100mA 3 cells battery pack

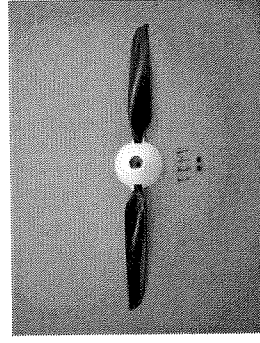
Optional accessories



- #2421
- 40A brushless
- Speed Control



- #2820
- 940KV
- brushless motor

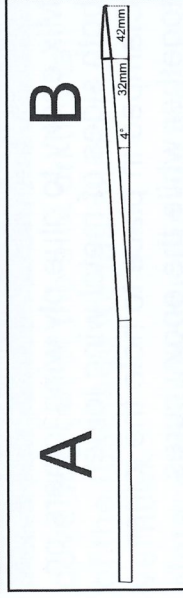
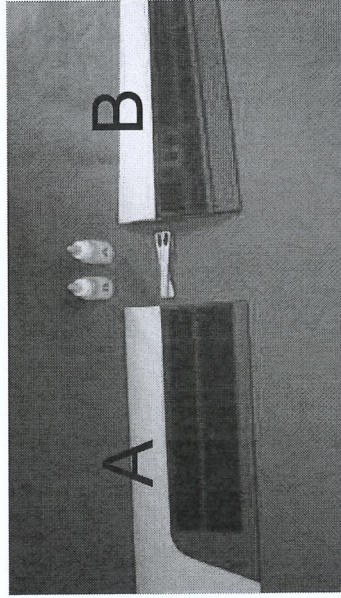


Propeller: 12X8

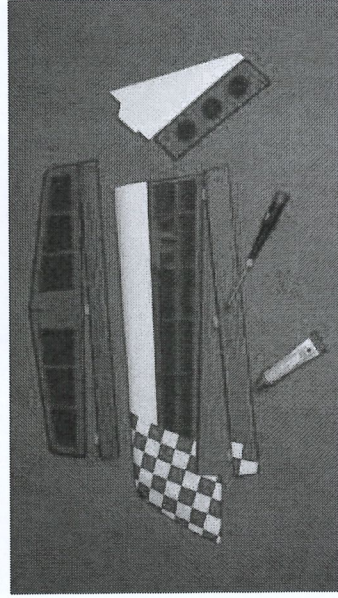
Required Tools and Adhesives

- Z bender
- 1.5mm Hex wrench
- Hobby Knife
- Ruler
- Pliers
- Epoxy 5-minute
- Small Phillips Screwdriver
- Pen
- 2mm drill
- Curved scissors
- CA glue

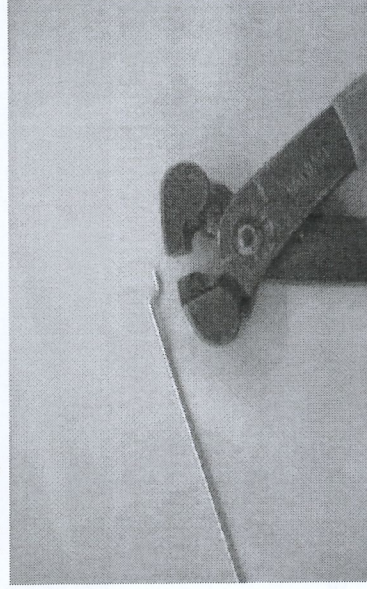
- Paper Tape
- Lubricating Oil
- Soldering Iron
- Solder
- Super glue



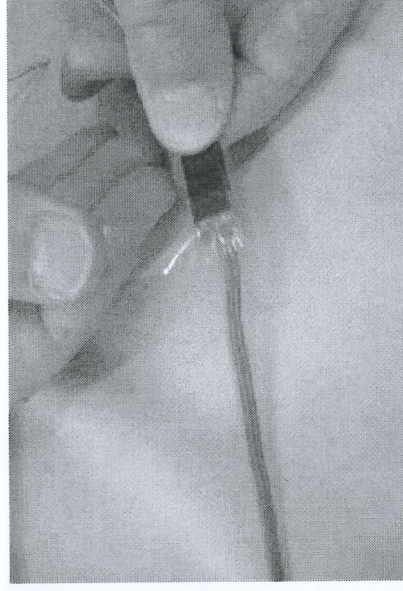
Spray epoxy on the wing joiner and insert into the main wing for securing the A section and B section together. Please note the B section must be 4 degree above the horizontal and its wing tip will be 42mm above the horizontal.



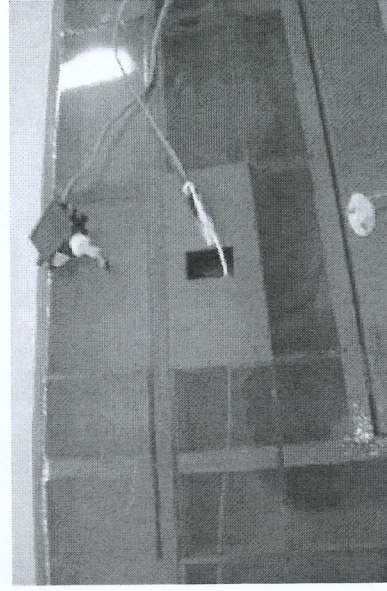
Spray Super glue on the hinges. Use hinges to connect the main wing with aileron and secure with M2x6mm tapping screws. Use hinges to connect the tail wing with rudder and elevator. Secure the hinges in place with M2x5mm tapping screws.



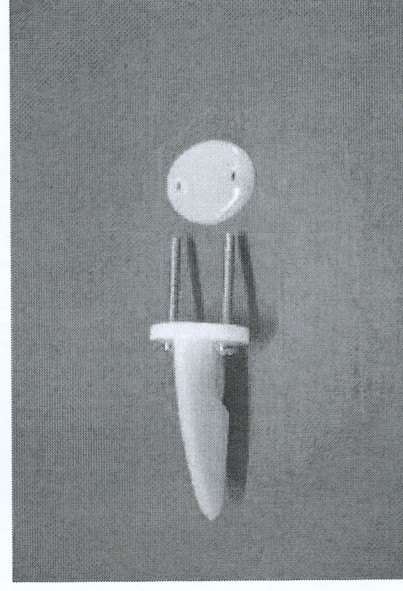
Made a Z-bend on one end of the rod using Z bender.



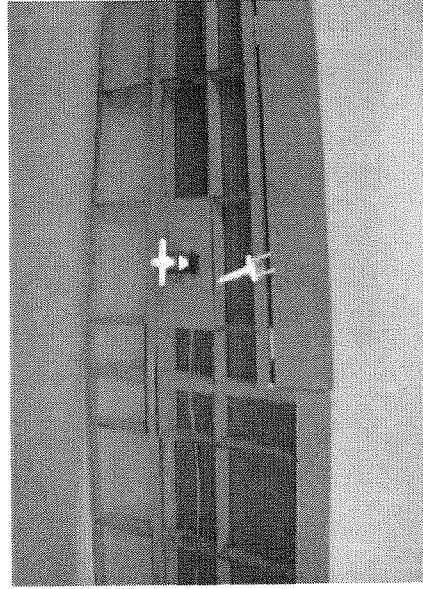
Connect the female plug of the 300mm extension with the male plug of the servo. Use transparent tape to circle the connecting place for preventing loosening.



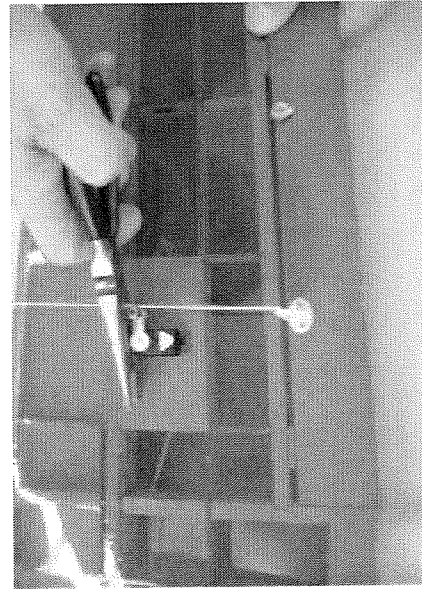
Tight a cotton line on the male plug of the extension. Route the line through the pre-drilled holes in the rid. Cut off the cotton line when the extension is out of the hole.



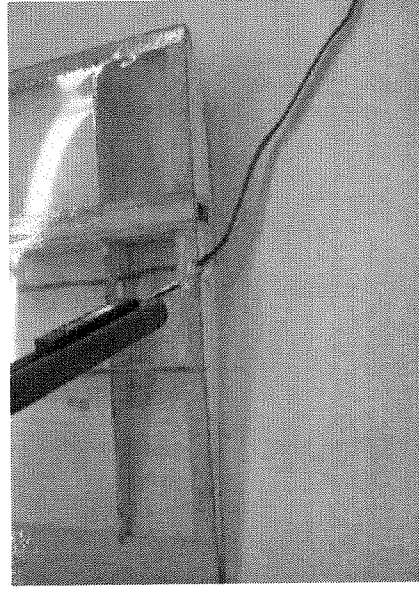
Take the control horn and M2x15 screw out the hardware. Assemble just like the illustrator. Please note that the control horn must be perpendicular to the control surface when secure the control horn.



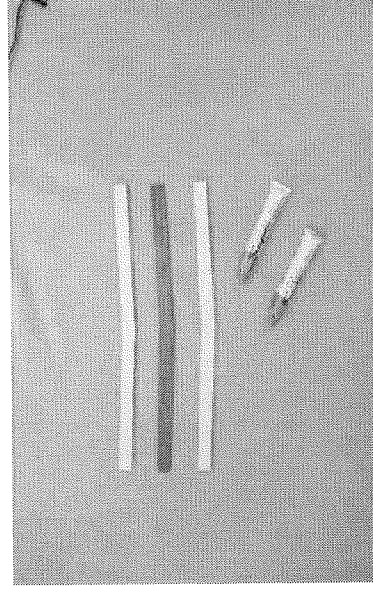
Use 2mm drill to drill a hole on the aileron. Secure a control horn on this hole.



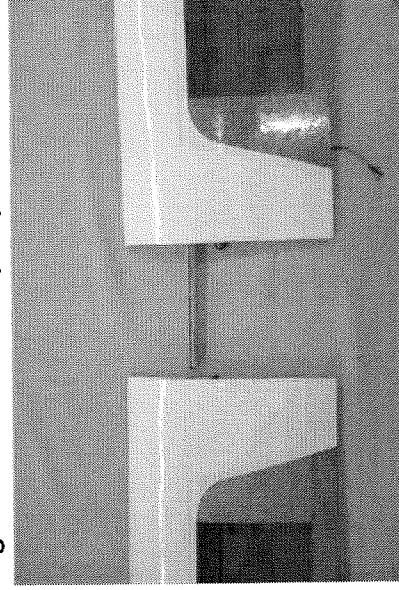
Connect the Z end on the control horn. Center the aileron. Using a felt tipped Pen, make a mark on the rod where he rod will be 5-6mm longer than the contacting place with the servo arm. Cut off the excess rod on the marking place. Insert the rod into the rod place. Insert the rod into the rod connector. Secure the rod using M3 hex screw.



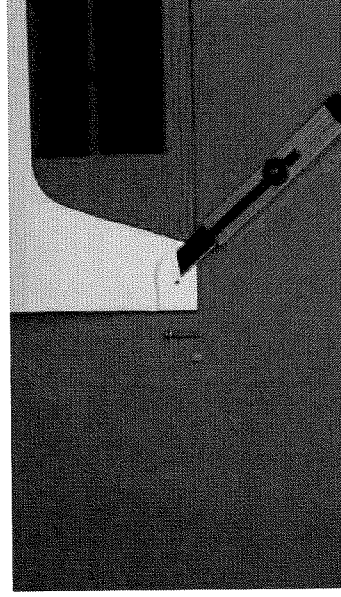
Use a hobby knife to cut an opening at the center of the wing. Pass the extension through the hole. Apply the transparent tape over the hole.



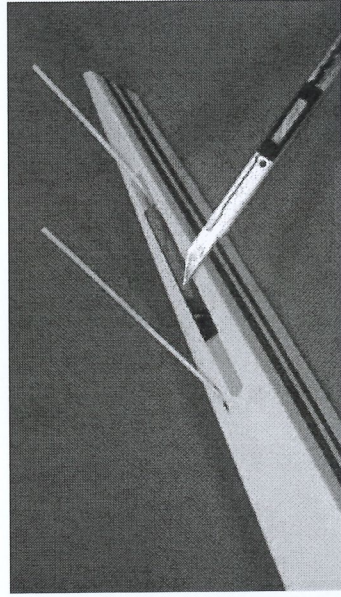
Mix epoxy to glue ply wing joiners on both sides of metal wing joiner. Clamped in place to hole the joiner together while the epoxy cures.



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.

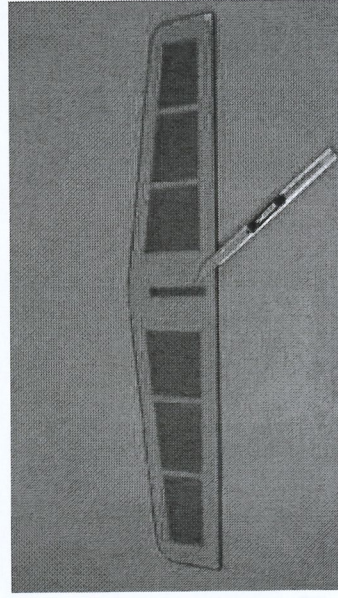


Use hobby knife to remove the covering out of the wing bolt holes. Insert the wing bolt through the washer and secure into the wing bolt hole. Insert a piece of 5mm silicone tube to the thread end of the wing bolt for avoiding missing.

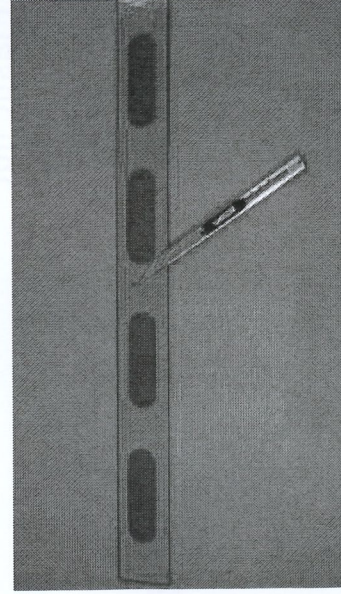


Use hobby knife to remove the covering out of the slot on the tail of the fuselage for installing the vertical.

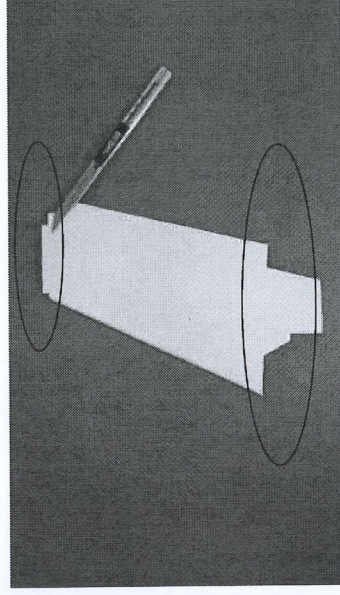
Note: please don't pull out the outer tube in the following steps. It is not easy to insert the tube back to the fuselage.



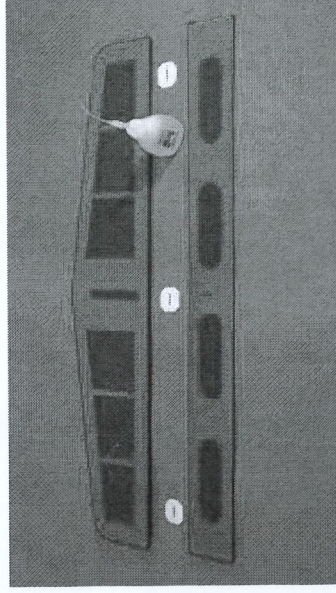
Use hobby knife to remove the covering (only one side) out of the slot on the horizontal for contacting with vertical.



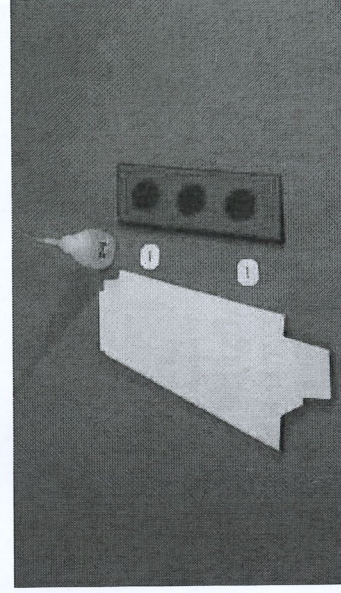
Use the hobby knife to remove the covering out of the holes on the elevator for installing control horn.



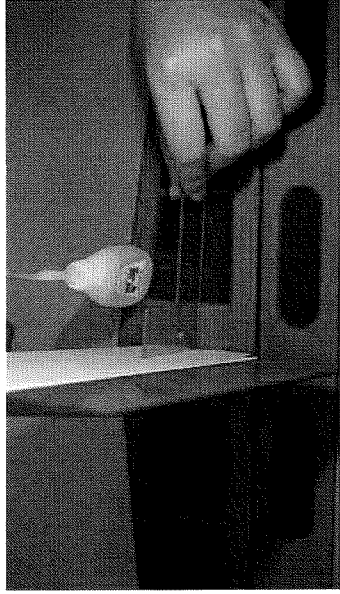
Place the vertical on the working table. Find the contacting area with fuselage and horizontal. Use hobby knife to remove the covering inside the contacting area. Be careful; don't cut into the balsa wood.



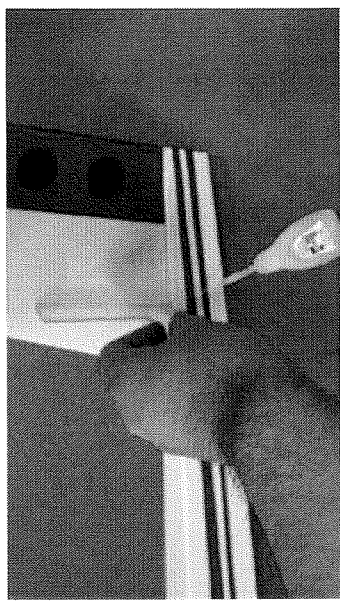
Use instant glue to secure the fiber hinges into horizontal and rudder.



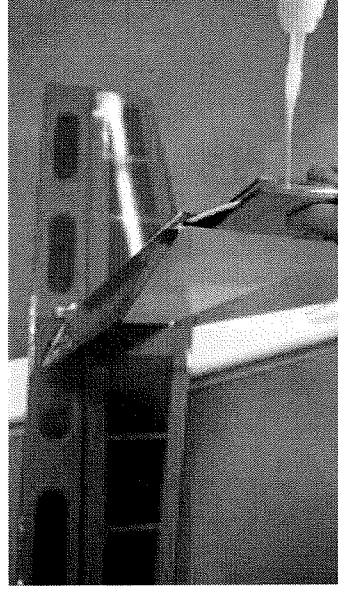
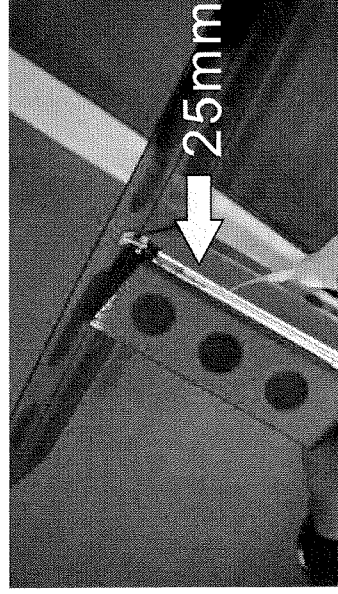
Use instant glue to secure the fiber hinges into vertical and rudder.



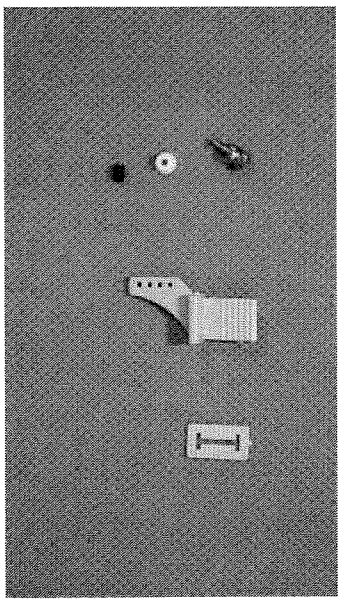
Install the vertical to the horizontal. Use AB glue to secure the vertical in place. Please note the angle between vertical and horizontal must be 90 degree.



Use AB glue to secure the vertical onto the fuselage. Please note the angle between vertical and fuselage must be 90 degree. Use pin to hold the vertical in place for temporary until the glue is dried enough.

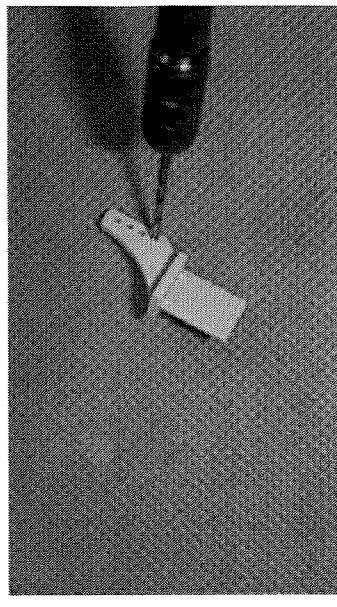


Press outer tube into the slot on the vertical. Drop some instant glue to secure the tube in place. Keep the space around 25mm on the top of vertical, so the rod can move freely.

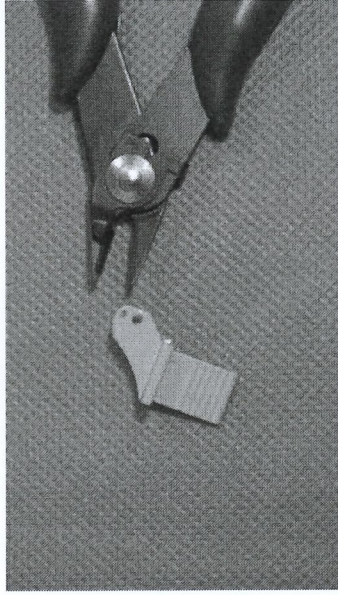


Take the following accessories out of the hardware bag:

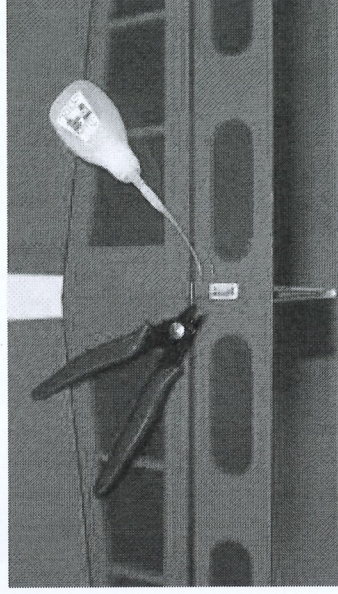
Grey control horn
the plate for control horn
Adjustable rod stand
Plastic nut
3x4 hex screw



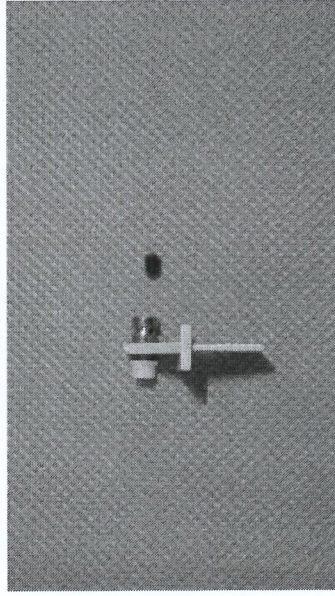
Drill 2mm hole on the most inner hole of the control horn.



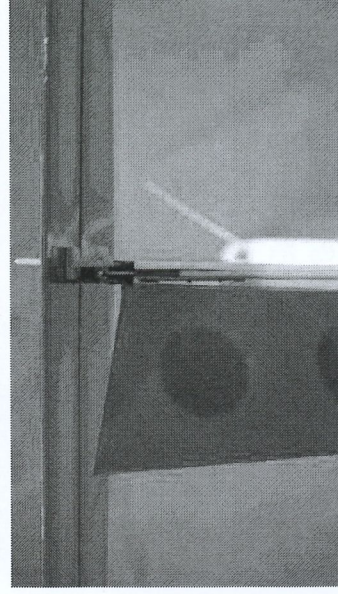
Cut out the most outer two holes on the control horn.



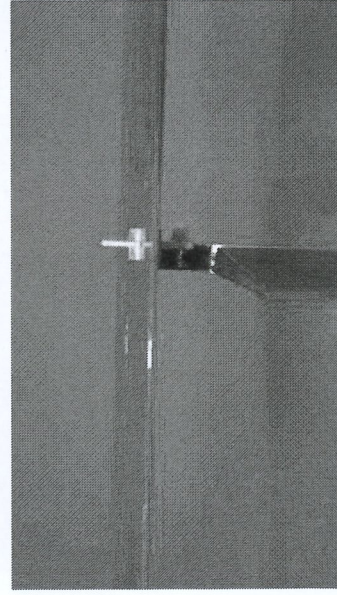
Drop some instant glue on control horn for securing the control horn in place. Use side cutter to remove the extra length of the control horn.



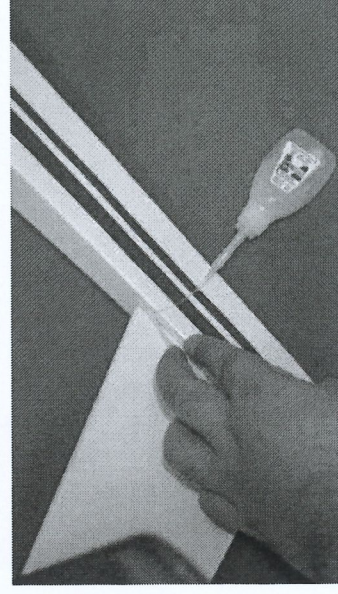
Insert the adjustable rod stand into the 2mm hole and secure with plastic nut and 3x4 hex screw. Don't screw too tight. The rod stand must be move freely.



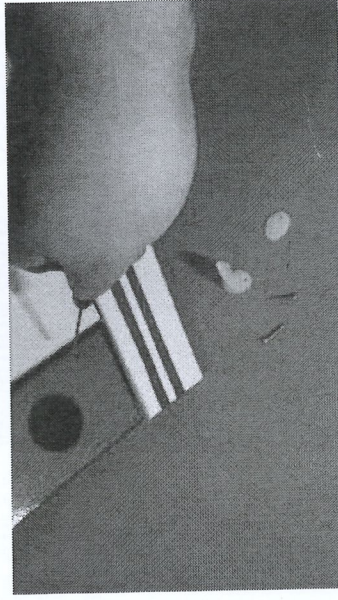
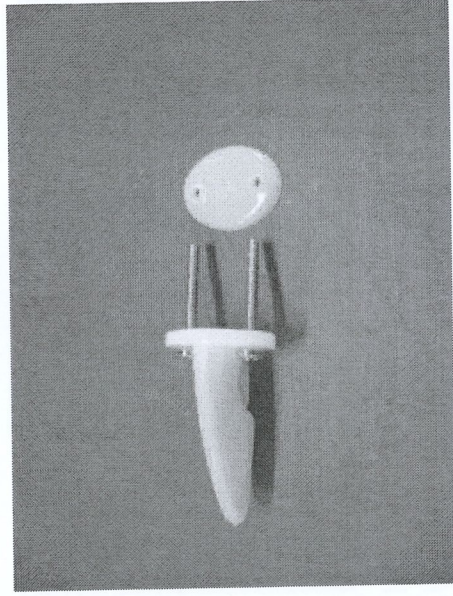
Insert the rod through the adjustable rod stand. The over length is around 1mm. Make sure the rod cannot touch the elevator or it will interrupt the movement of the rudder. Use 3x4 hex screw to secure the rod in place.



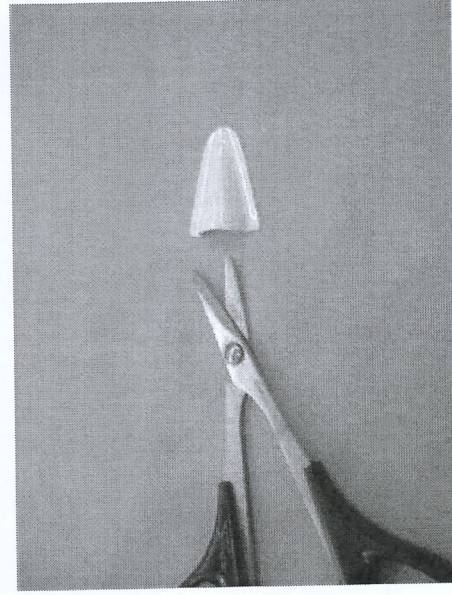
Install the control horn onto the elevator. Press the plate onto the bottom of the control horn.



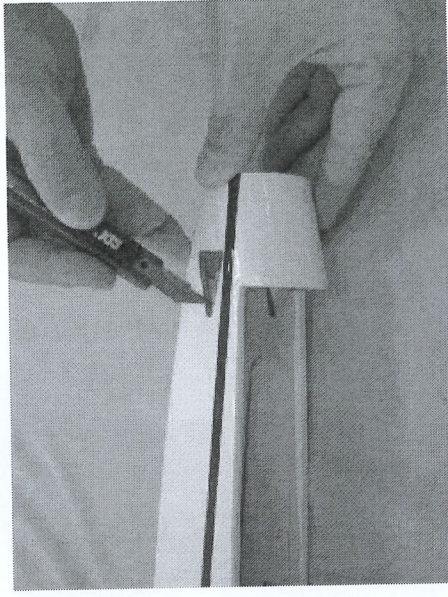
Pull the out tube for the rudder rod straight and secure it using CA glue.



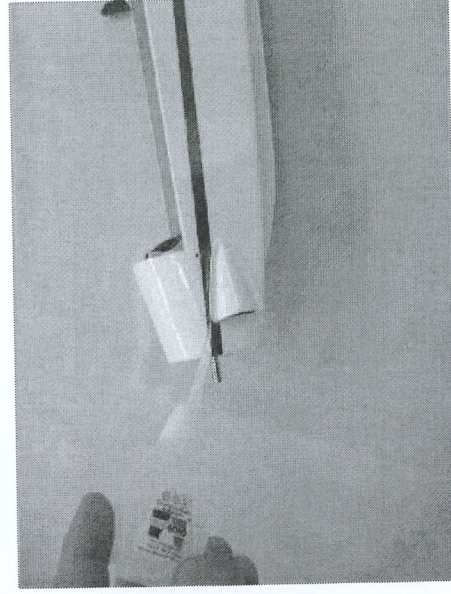
Try to find a proper location for installing the control horn on the rudder. Drill 2mm holes on the marked position. Place the control horn on the holes, insert the plate on its back side and secure with 2x15mm screws. Connect the clevis with the control horn.



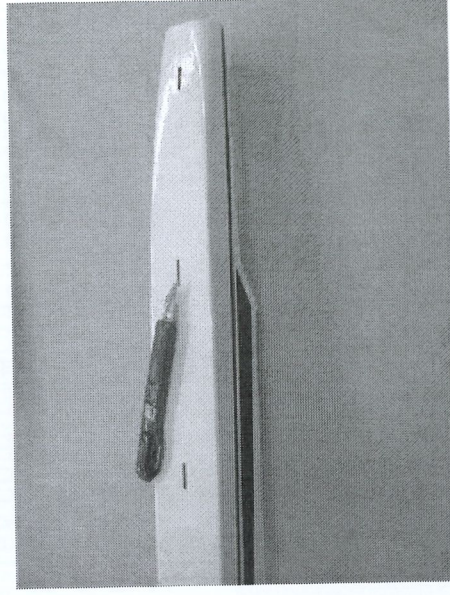
Take 2 pieces of intake cowls from the hardware bag and trim the edges. It must have 2mm more on the edges and an opening in the front.



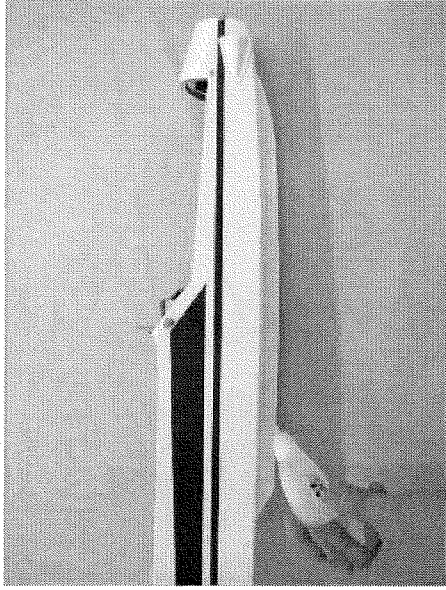
Use a hobby knife to cut out the pre-serving cooling holes on two sides of the fuselage.



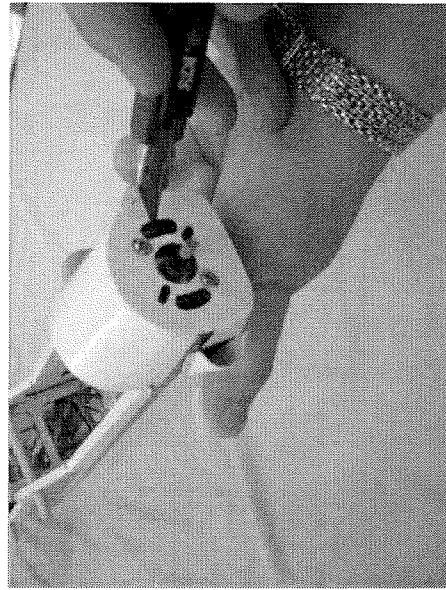
Glue the intake cowls on cooling holes.



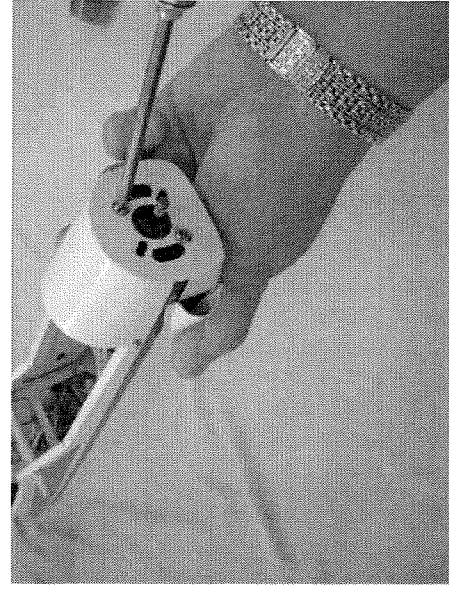
Use hobby knife to cut three pre-serving slots on the bottom of the fuselage.



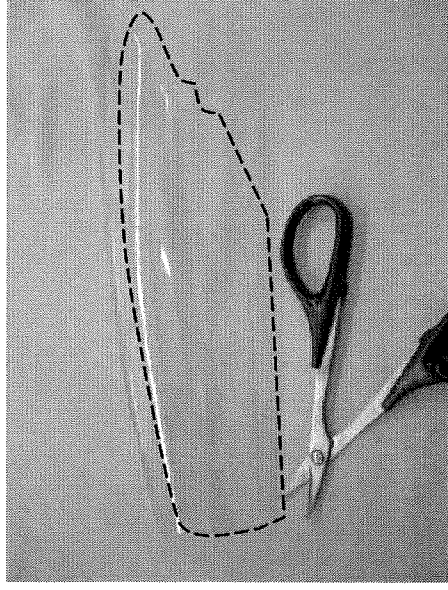
Install the skid on the bottom of the fuselage and secure it in place using CA glue.



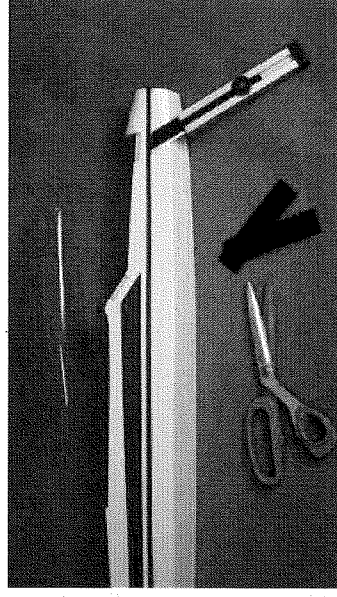
Use hobby knife to cut off the covering over the holes for motor cooling hole and screws.



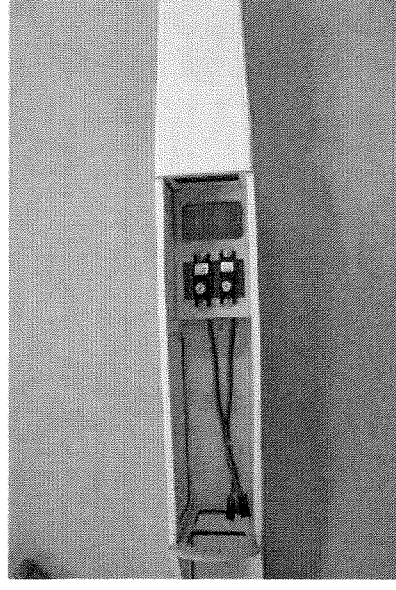
Install the motor on the head of fuselage and secure it in place using M3x8 screws.



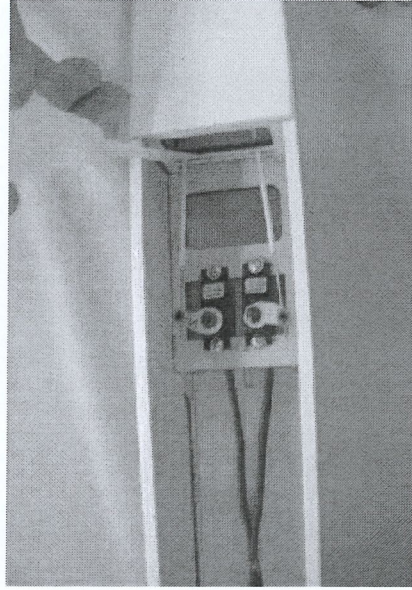
Take the canopy and use curved hobby scissors to trim the canopy according to the tooling line.



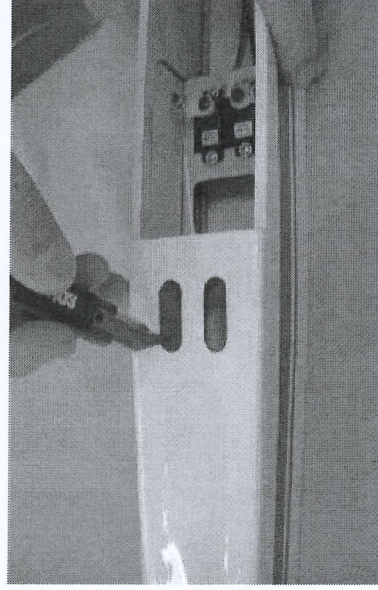
Try to find the pre-serving slot on the head of fuselage for installing the canopy. Use hobby knife to remove the covering out of the slot. Use scissors to trim the adhesive Velcro tape for applying on the fuselage and canopy.



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

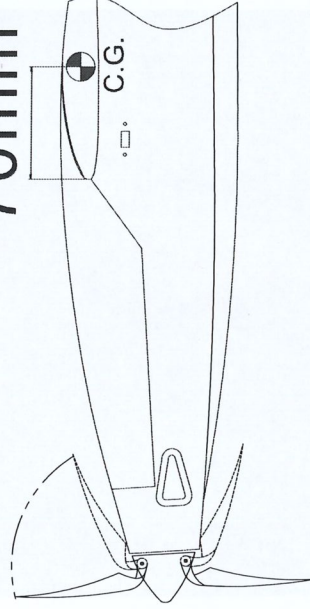


Insert the pushrods into the out tubes. The length of the rods must be 20-25mm longer than the out tubes. Slide the pushrod through the rod connector. Centered the elevator and rudder, use 1.5mm hex driver to fix the rods. Pull the outtube straight and secure it on F3 using CA.

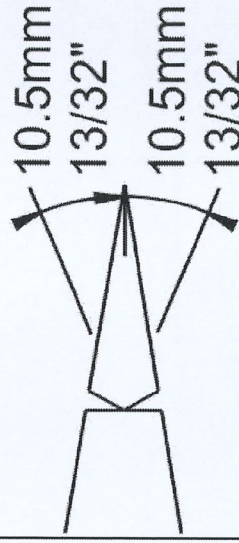


Use hobby knife to cut away the covering on the preserving cooling holes on the top of the fuselage.

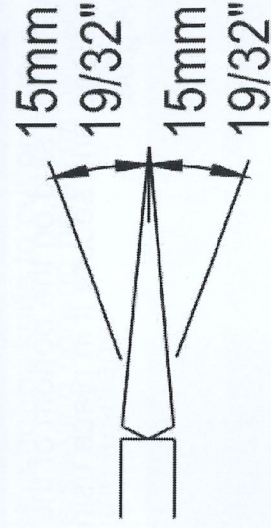
70mm



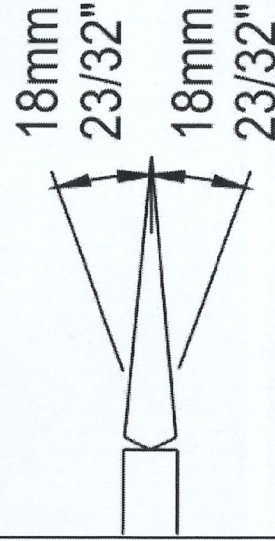
The recommended center of gravity location is from 70mm back from the leading edge of the wing. Measured at the location next to the fuselage.



AILERONS THROW

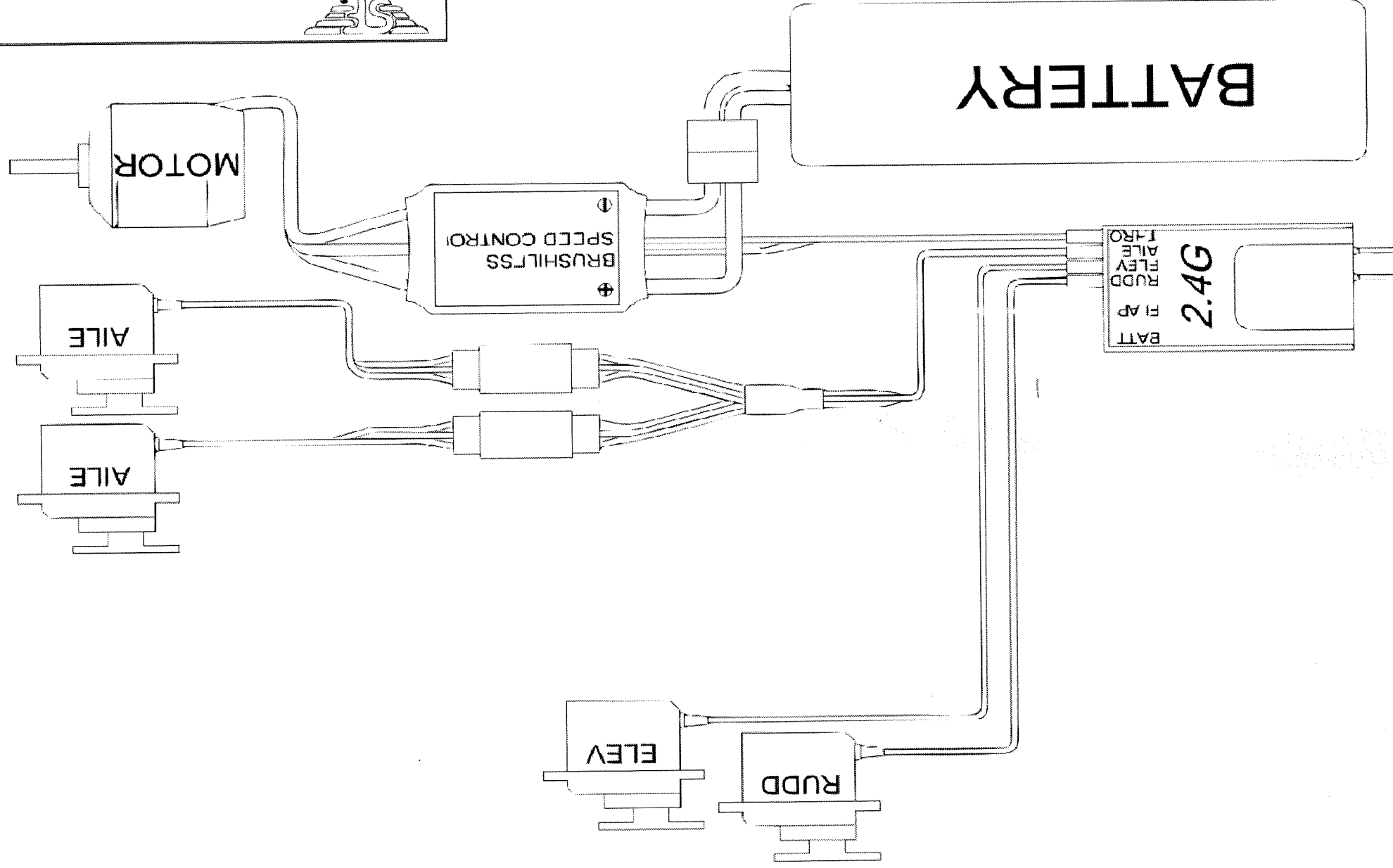


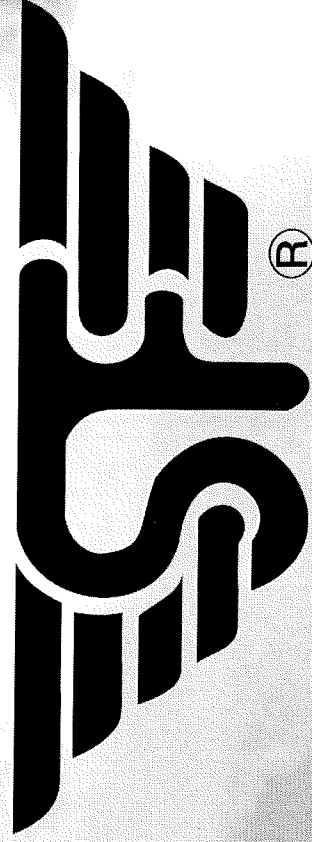
ELEVATOR THROW



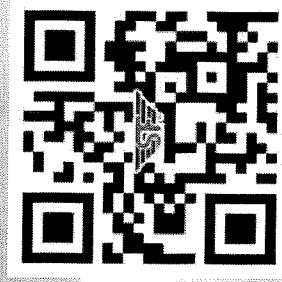
RUDDER THROW

FOR THE EP VERSION





SUPER FLYING MODEL
MANUFACTURE



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