EDGE-540T-40

ASSEMBLY MANUAL

SPECIFICATIONS

Wing Span:1390mm(54.7″)

Length:1262mm(49.3″)

Weight:2000g(4.4Ib)

Wing Area:37.34dm^2(578.8sq in)

Wing Loading:58.9g/dm^2

Engine:46-50(2c) or 52~61(4c) used for Gas Plane,

or R42A motor used for Electric Plane

WARNING

An R/C aircraft is not a toy! If misused, it can cause serious bodily harm and property damage. Fly only in open areas, and AMA (Academy of Model Aeronautics) approved flying sites. Follow all instructions included with your plane, radio, and engine.

KIT CONTENTS

ASSEMBLY INSTRUCTIONS

TIGGHTENING AND RE-SHRINKING THE COVERING

1.Open your kit slowly and take care to damage any parts of the kit. Remove all parts from their plastic protective covers for inspection. Before doing any assembly or installation of any decals .It is very important to reshrink or re-tighten the already applied covering. Due to the shipping process, heat and humidity changes from different climates, covering may become lose and wrinkle in the sun. If you take the time to re-tighten the covering, you will be rewarded with a lasting beautiful covered model.

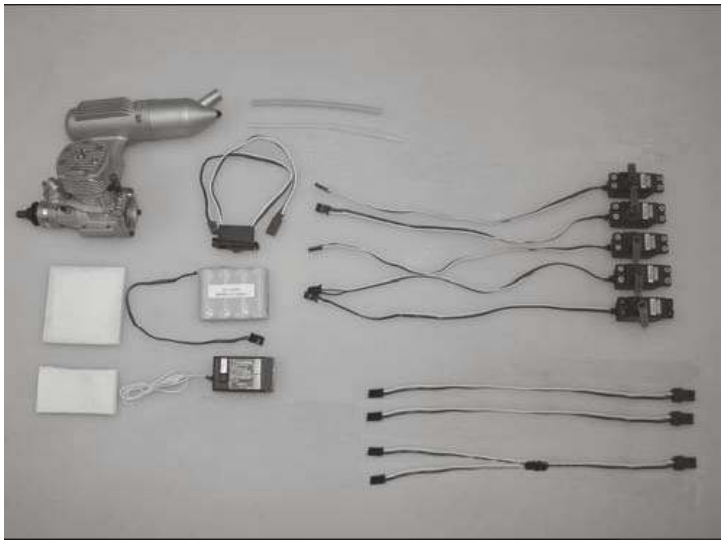
2.Using your covering iron with a soft sock, gently apply pressure and rub on the covering. If any bubbles occur, your iron should be hot up. Reduce heat and work slowly. If bubbles persist, use a small pin to punch holes in the bubble to relieve trapped air and reheat.

3.Use your heat gun with extreme caution. Take care to apply too much heat to one area for long periods time.For this may cause the trim colors over shrink and pull the leaving unsightly gaps from the color lines. And the black and yellow stripes are especially vulnerable once over heating and over shrinking.

Items needed to complete:

Hardware

*Engine glow .46-.61 with muffler, propeller
*Fuel tubing
*2 x aileron servos (min 60 in./oz. Torque)
*1 x rudder servo (min 60 in./oz. Torque)
*1 x elevator servo (min 60 in./oz. Torque)
*1 x throttle servo (fast / Reliable)
*1 x retract servo (fast / Reliable)
*Servo extensions - 1 x Y harnesses and 2 x 6" for ailerons, 1 x 18" for elevator servo
*Receiver
*Receiver Battery (min 4.8 volt / 650mAh)
*Foam rubber for mounting receiver and battery
*1 Switch / Charge jack
*Clear covering for hinge gap seal (optional)



Adhesives:

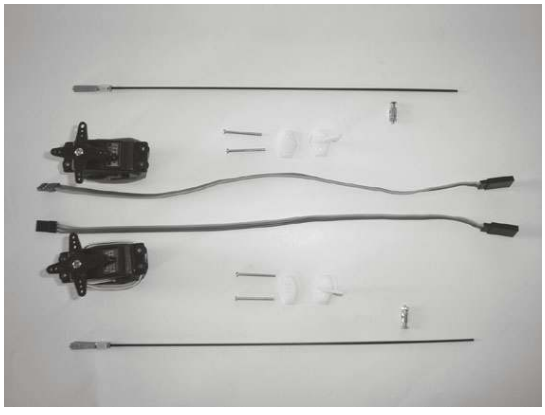
*Thin and Medium CA
*CA kicker (optional)
*15-30 Minute epoxy
*Blue Loctite
*Epoxy mixing cups,sticks,Brushes

Tools:

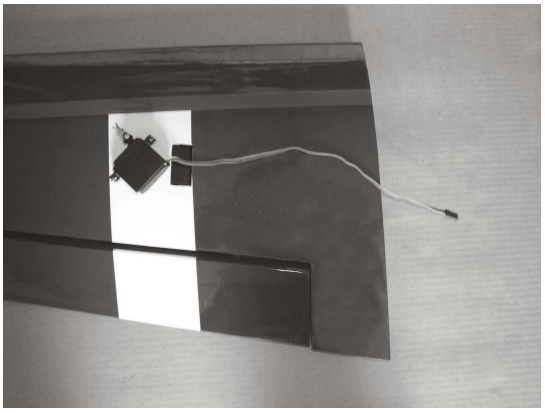
*Modeling knife
*Electric drill and selection of bits
*Phillips screwdriver
*Flat head screwdriver
*Needle nose pliers or crimping tool
*Allen wrenches US and Metric.
*Dremel cutting disc and sanding drum tool
*Scissors
*Wire Cutters
*T pins
*Ruler and tape measure
*Pen, pencil or felt tipped marker
*Rubbing alcohol
*Paper towels
*Masking tape
*Waxed paper
*Hobby iron
*Hobby heat gun

WING ASSEMBLY

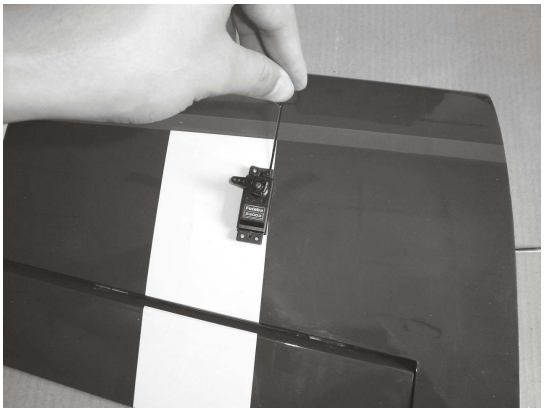
1.Allow enough hinge gap to ensure maximum control throws. Next, place 3-4 drops of thin CA to both side of all hinges. Do not over soak the CA hinges. Glue may run out and cause binding. We recommend using a clear covering to seal the gaps on all control surfaces

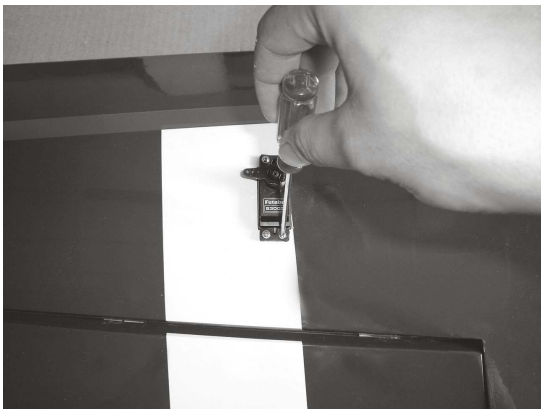


7.Install wing accessories

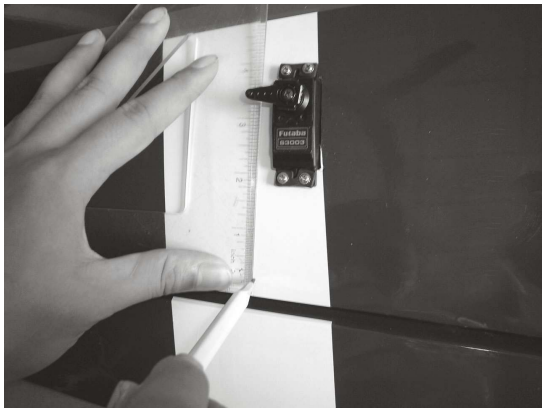


8.Secure the servo plug to the wing with tape to keep it from slipping inside the wing.

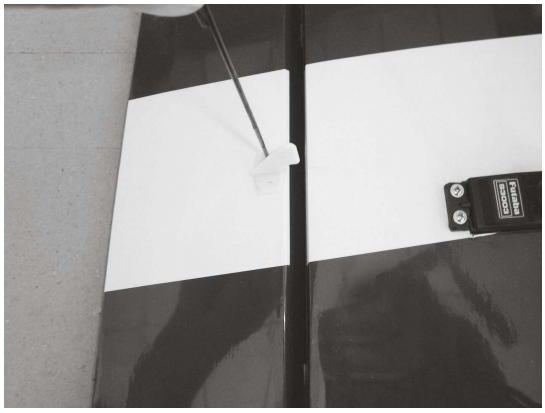




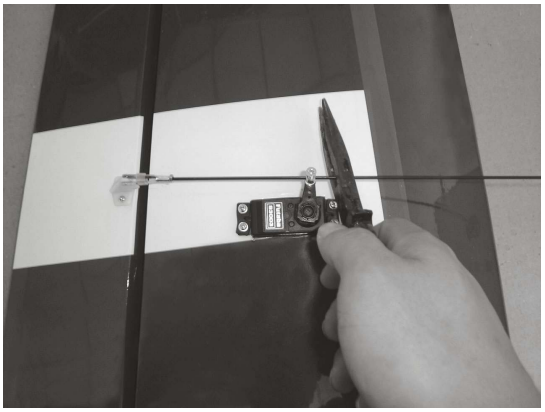
9.Drill a hole,fix it with the screws



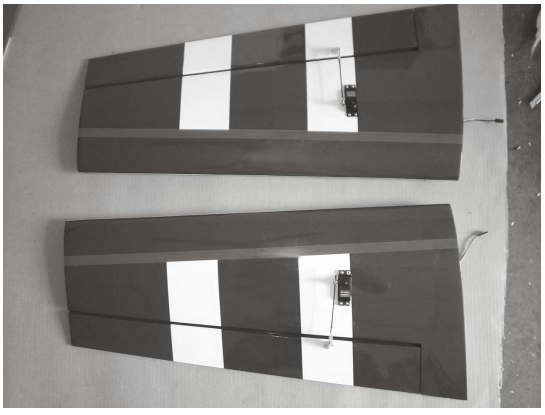
10.Draw perpendicular line



11.Use two 2mm x 25 mm bolts to mount control horn.

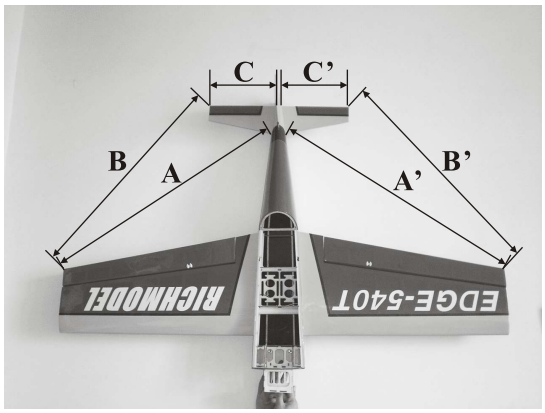


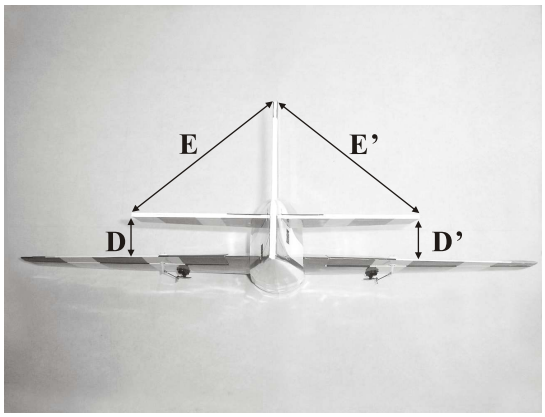
12.Install a pull pole, counteract screw to fix tightly

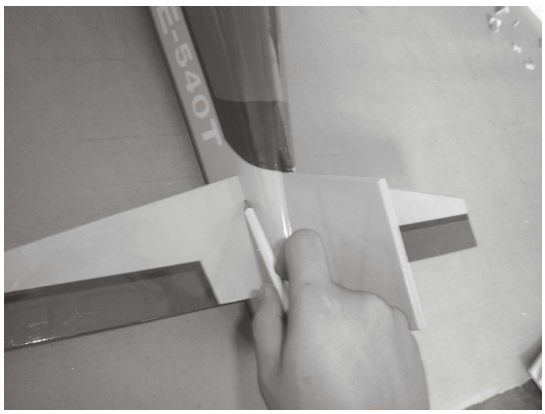


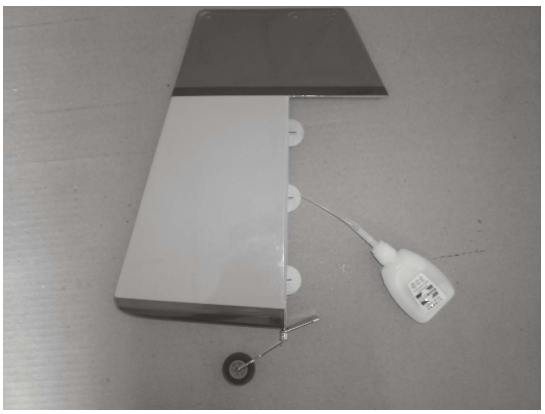
13.Repeat steps 8-12 for the other wing.

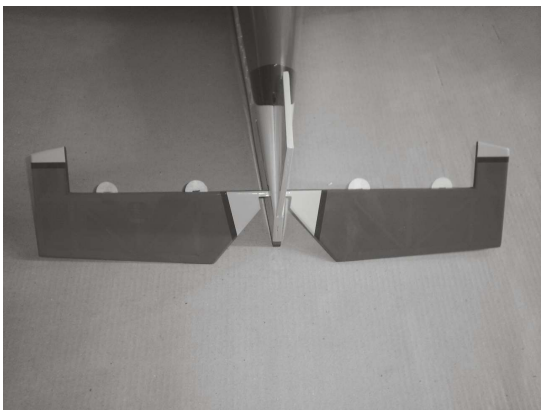
STABILIZIER AND ELEVATOR AND RUDDER ASSEMBLY

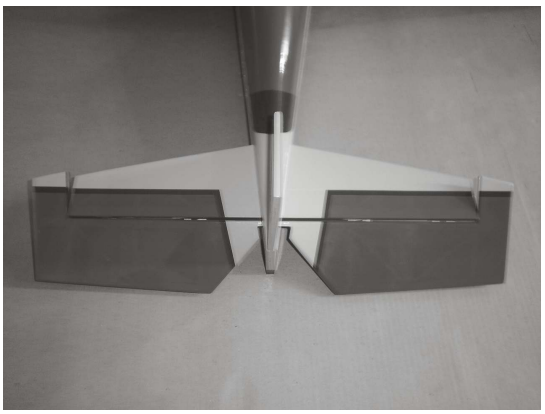






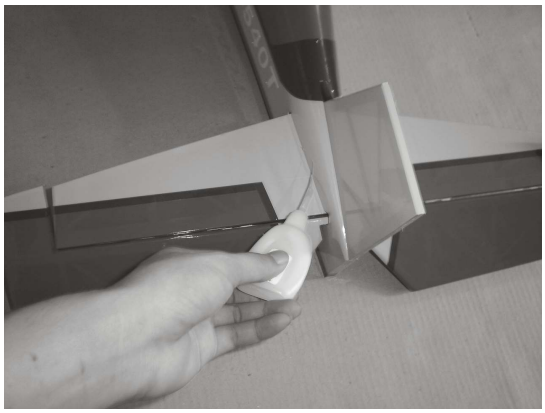


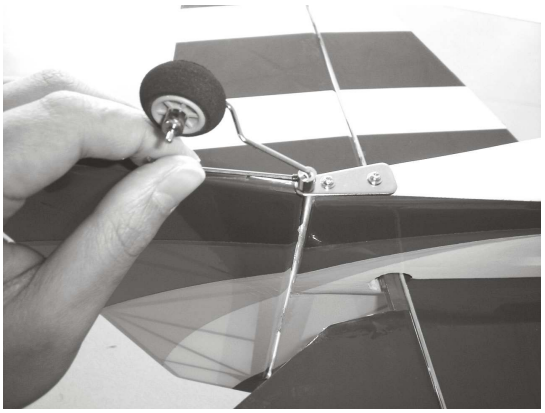




1. A=A' B=B' C=C'
   D=D' E=E'

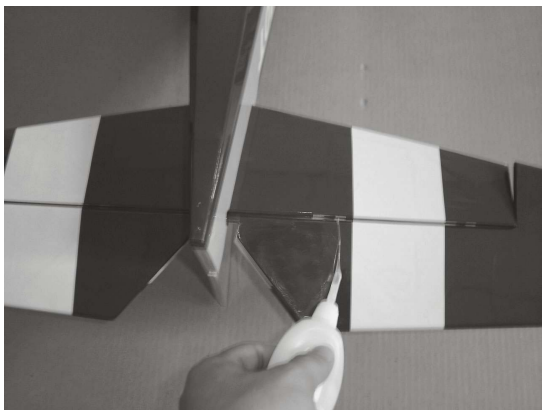
Use a modeling knife to carefully remove covering material on the topside that is under bolt reinforcement plate. Cut out covering 1/16" inside the outline. Do not cut into the wood. Make sure bolt holes line up and apply epoxy to attach the plate to wing

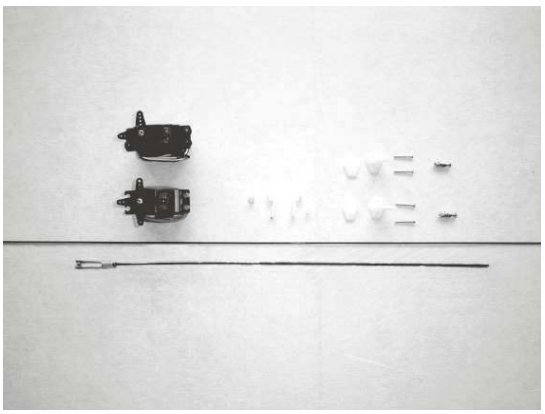




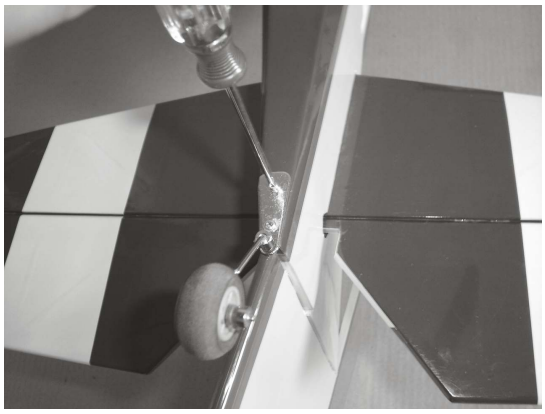
2.follow up the diagram sequence hang the elevator and rudder to glue with the AB gum respectively

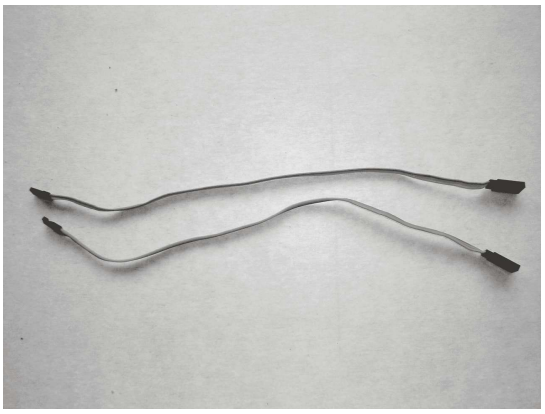
3.Use two 2.2mm collar and two 2×12 screw install the wheel

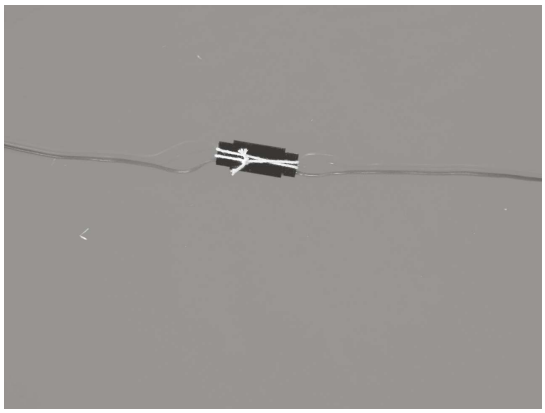


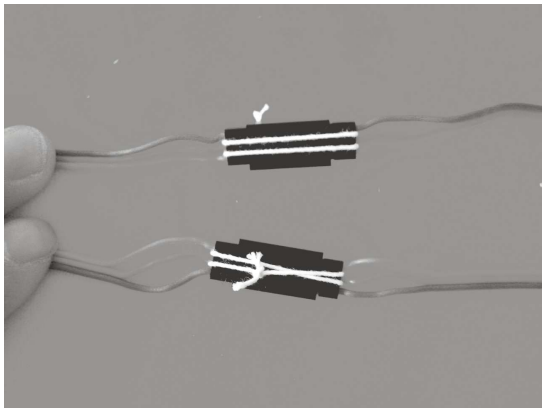


4.elevator and rudder parts

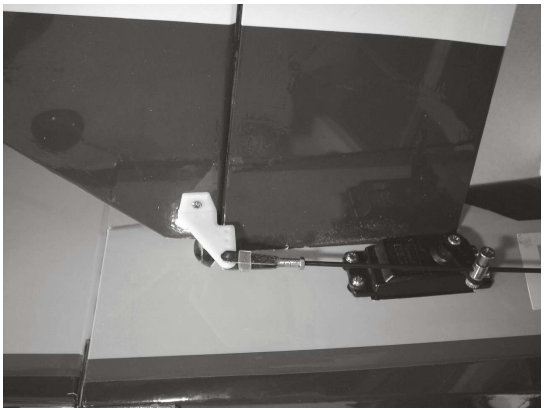


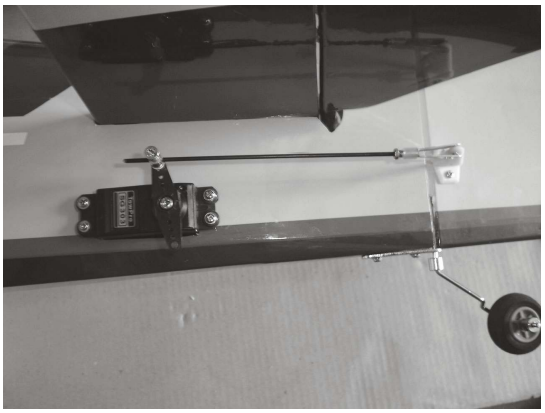


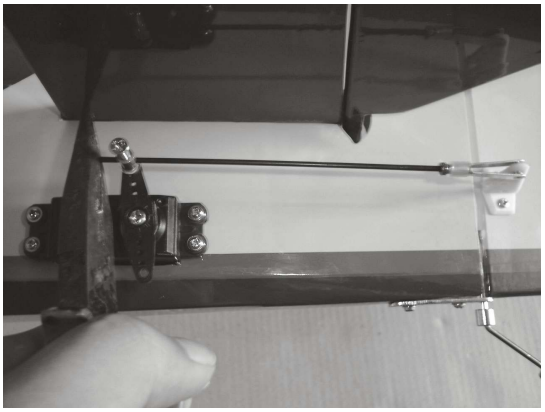




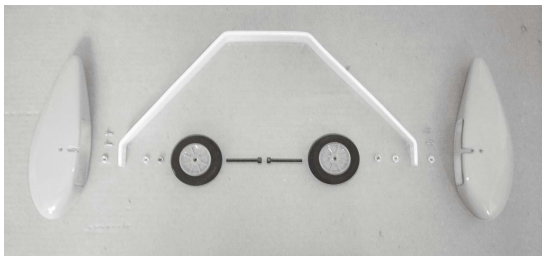
5.Fix the servos extension of the rudder and elevator with the cotton thread.



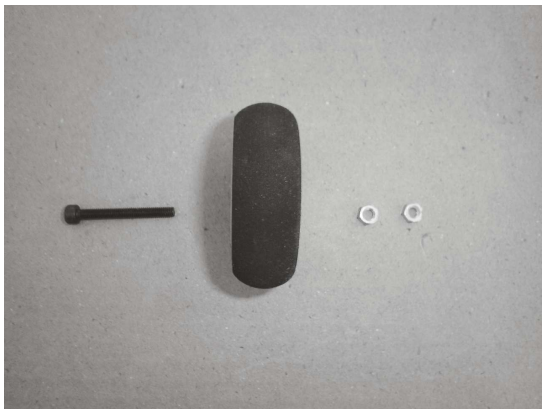


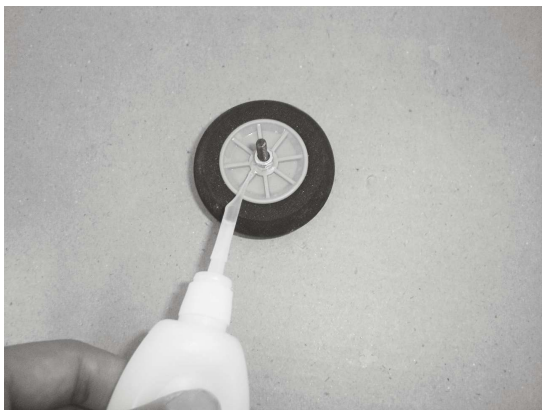


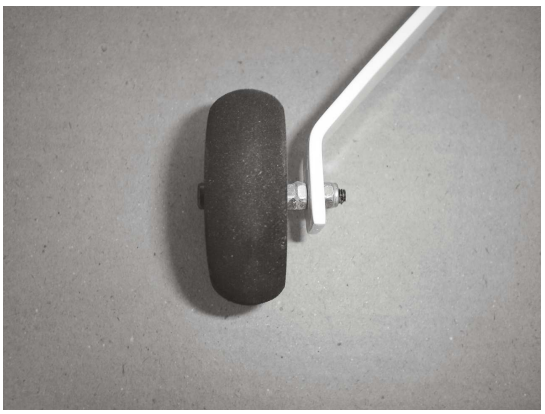
LANDING GEAR ASSEMBLY

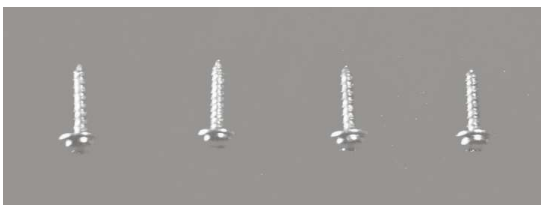


1.Install landing gear accessories.

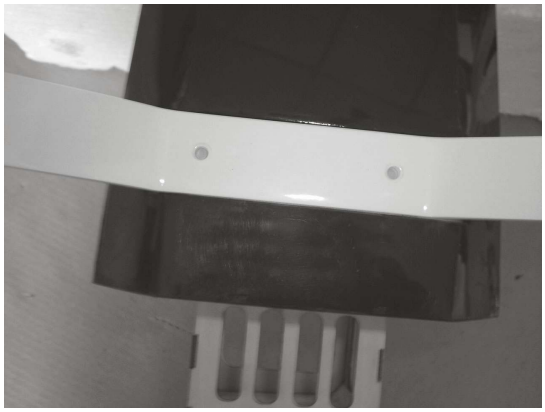


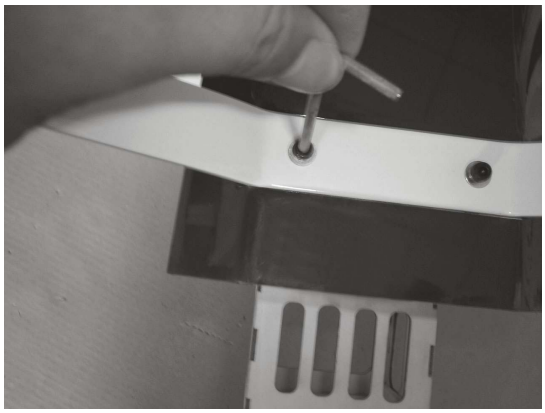


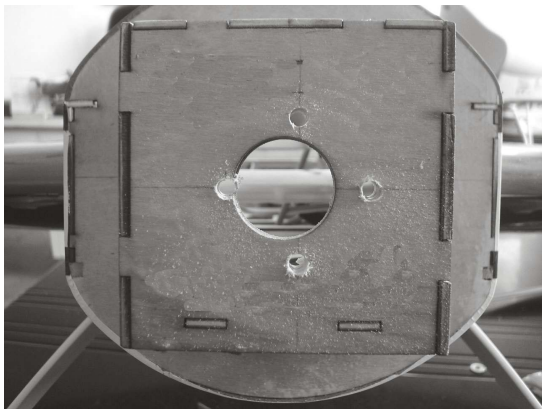


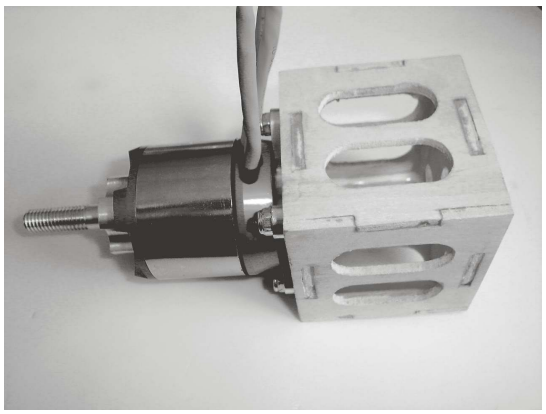


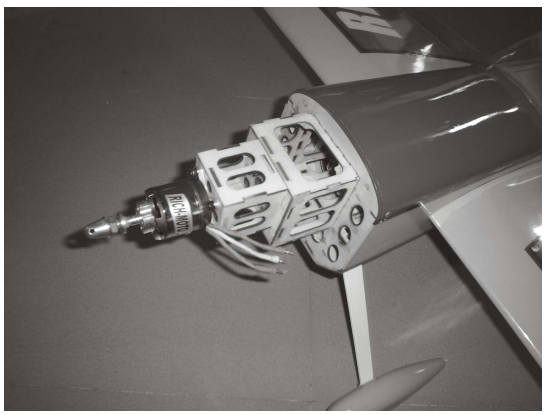
MOTOR INSTALLATION



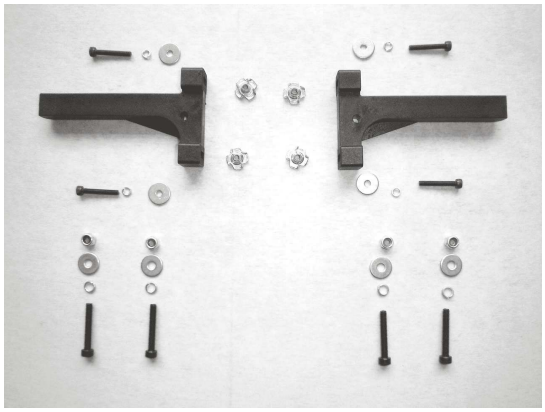


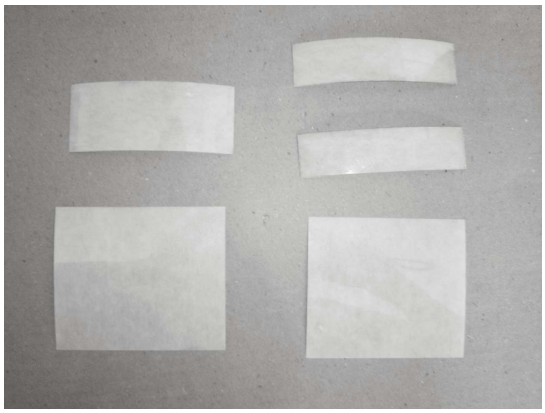


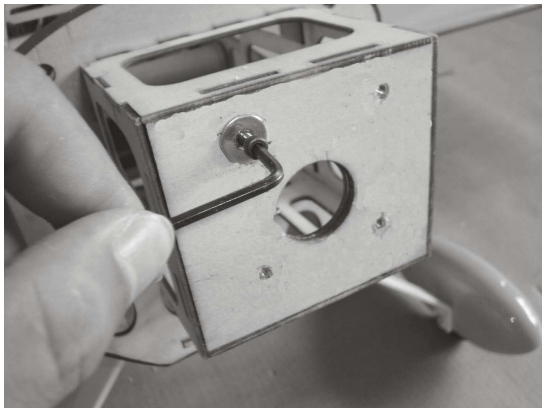




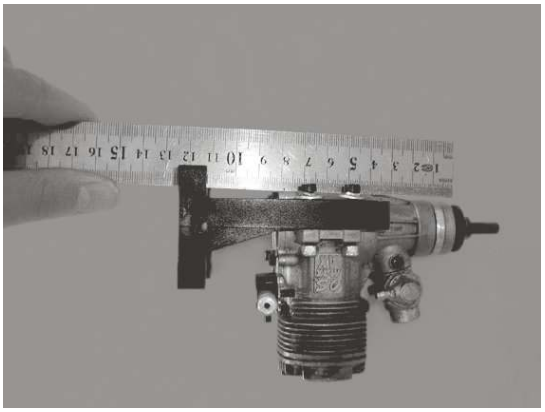
ENGINE INSTALLATION



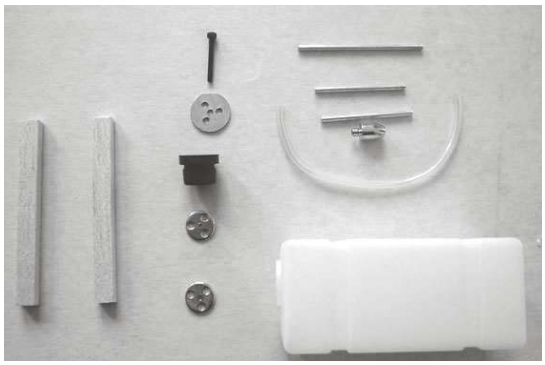




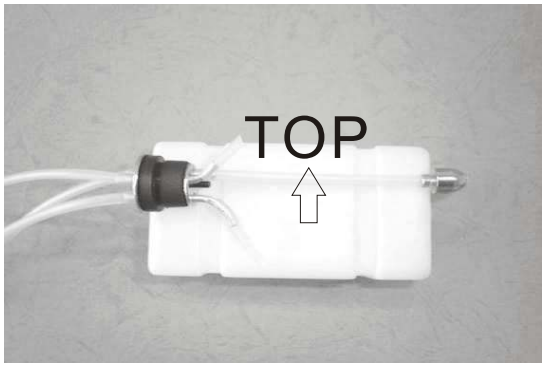
1.Use the 3mm x25mm screw packs to mount nut the fire prevention plank top



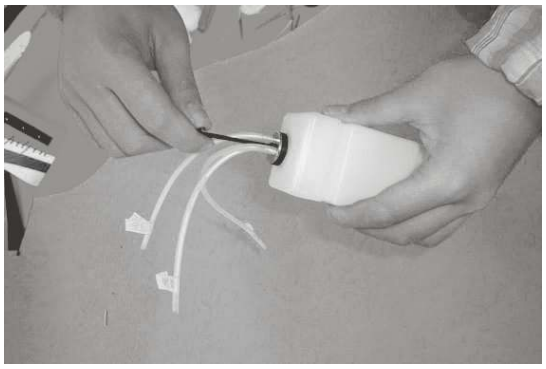
2.Use 3mm×20mm screw,3mm washer 3mm spring washer, install engine mounts and use 4mm×25mm screw, 4mm washer ,4mm spring washer, 4mm locknut install engine

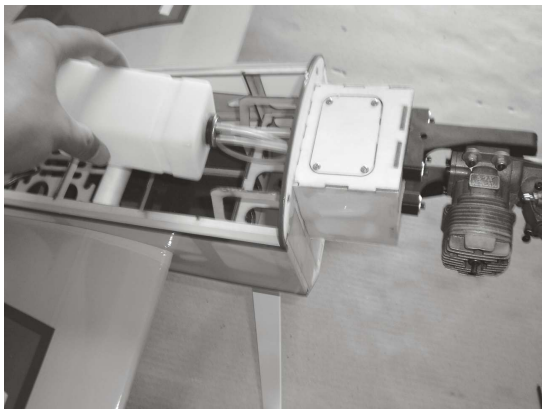


3.Fuel tank accessories

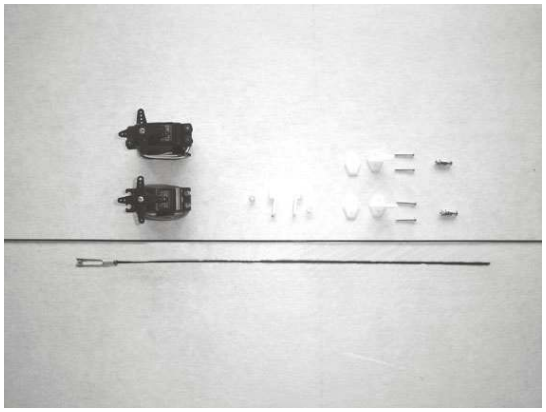


4.Please pack each accessories according to the top pictures, and mark





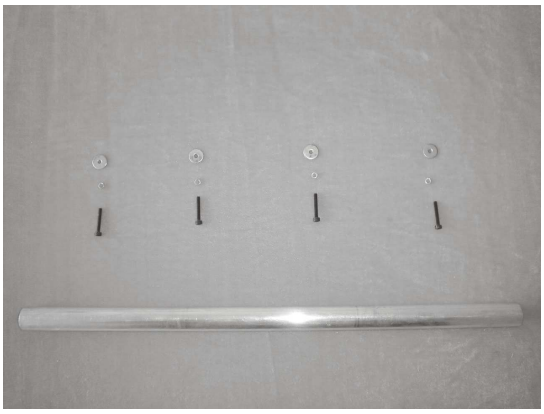
5.Be notice the direction of each pipeline while installing



6.accelerograph accessories

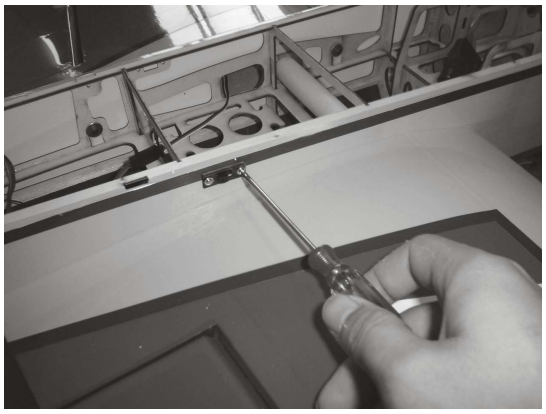
7.Cut off the part of the surplus

RADIO INSTALLATION AND FINISHING



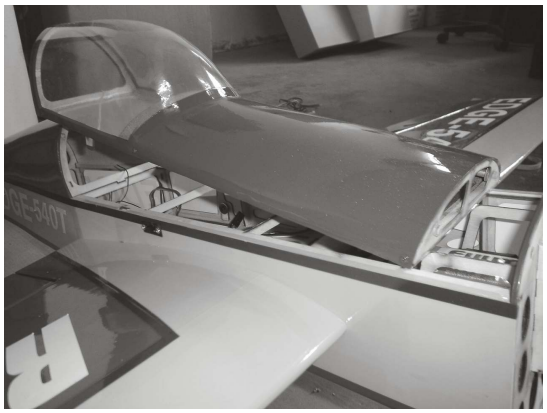
THE WAY TO ASSEMBLE THE GAS

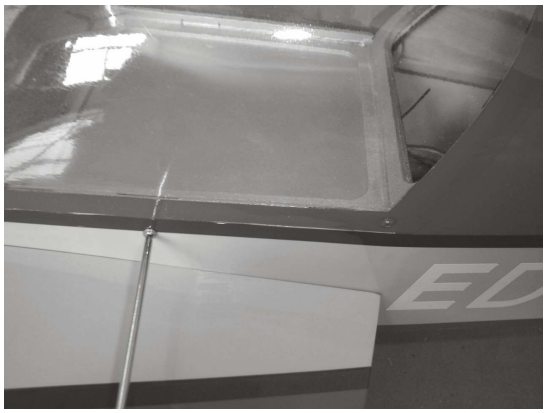
1.Use a hobby knife to cut the switch hole.

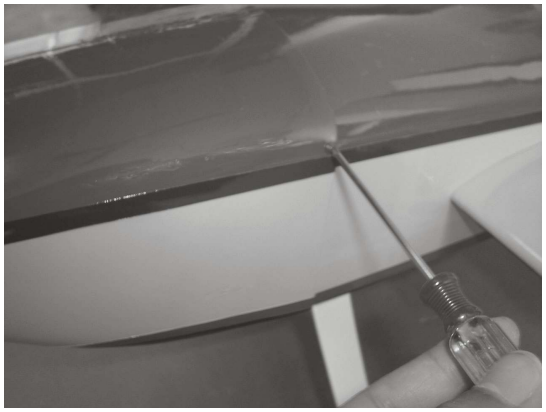


THE WAY TO ASSEMBLE THE ELECTRIC

CANOPY HATCH INSTALLATION







Canopy hatch use six 3mm×10mm screws fix

CG