Aero artistic Free style



Specification:

• Wingspan: 74".0 in (1880mm)

• Overall Length: 68 inches No spinner length

• Wing Area: (80 m2)

Flying Weight:10.5 - 12.1 Lbs (4.8 - 5.5 kg) dry
Engine Size: 30cc-35cc Gas . YS 140 ,E power

Motor: Hacker A60-22SESC: Jeti/Hacker 99A

• Battery: Flight Power 3700-10S or 4250-10S

• Propeller: APC 20x10E

code No. xcA004

For intermediate & advanced fliers.

INSTRUCTION MANUAL



RADIO CONTROLLED ALMOST READY-TO-FLY ENGINE&ELECTRIC POWERED Total Area Vacuum Sandeich Technlolgy AEROBATIC PLANE

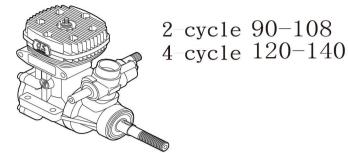
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BEFORE YOU BEGIN	3
ASSEMBLY —	3-10

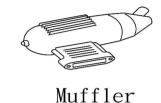
please read these instruction carefully and thoroughly before assembling your pro AK to achieve safe operation methods and maximum performance.

REQUIRED FOR OPERATION (Purchase SEPARATELY!)

Engine and Muffler

Model Airplane Engine





Propeller and spinner

Purchase a propeller than will match your engine.



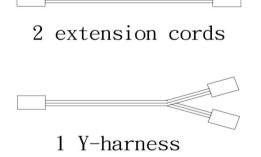


A minimum 4 channel radio for airplane(with 6 standard servos), and dry batteries.

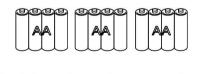
CAUTION: Only use a minimun 4 channel radio for airplanes!

(No other radio may be used!)





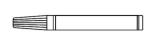
A minimum 6 channel transmitter for airplanes.

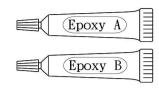


12 AA-size batteries



Glue





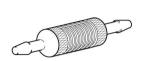
Instant Glue

Epoxy Glue(30 minutes type)







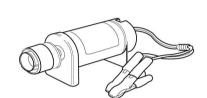


Sponge Sheet

Fuel Filter Silicone Tube

Other equipment for enhancing airplane operation & performance



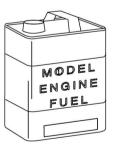


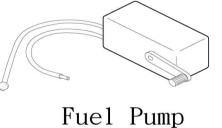
12V Battery(for starter)

Engine Starter

Required for engine starting:

WARNING: Normal gasoline cannot be used with glow engines.

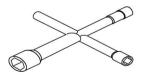






Gas engine fuel only

Spark Booster Battery set

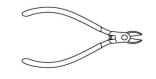


Glow starter Charger



Plug Wrench

TOOL REQUIRED (Purchase SEPARATELY!)

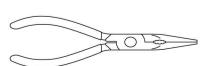


Wire Cutters



Scissors

Phillips Screw Driver(L, M. S)



Needle Nose Pliers



BEFORE YOU BEGIN

- Read through the manual before you begin, so you will have an overall idea of what to do.
- 2 Check all part. If you find any defective or missing part, contact your local dealer.
- 3 Symbols used throughout this instruction manual, comprise:



Pay close attention here!



Cut off shaded portion.



Drill holes with the specified diameter.



Must be purchased separately!



Apply instant glue (C.A glue, super glue).



Assemble left and right sides the same way.

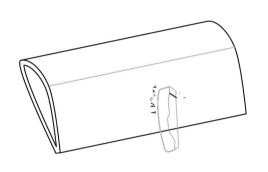


Cut off excess.

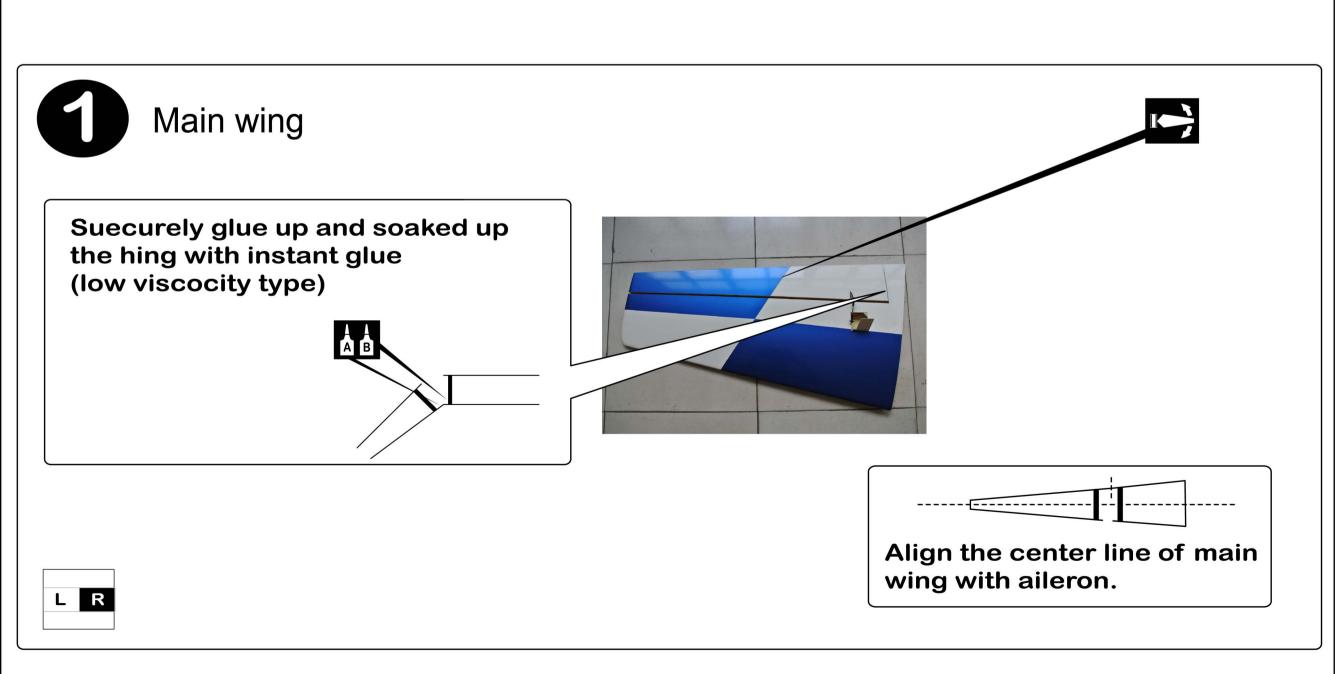


Apply epoxy glue.





with Polishing Cloth



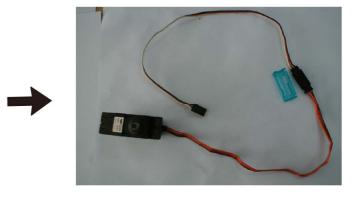


L R



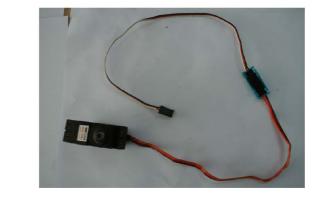


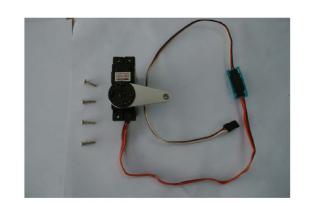


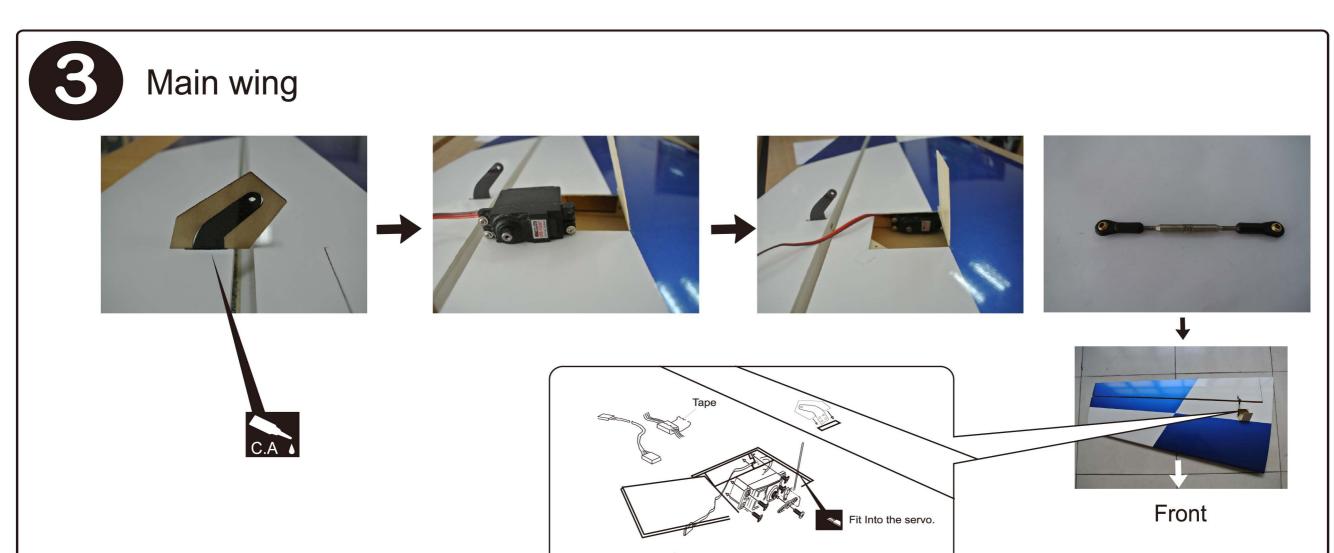














L R

Pay close attention here!



Cut off shaded portion.

Front



Drill holes with the specified diameter.



Must be purchased separately!



Apply instant glue (C.A glue, super glue).



Assemble left and right sides the same way.

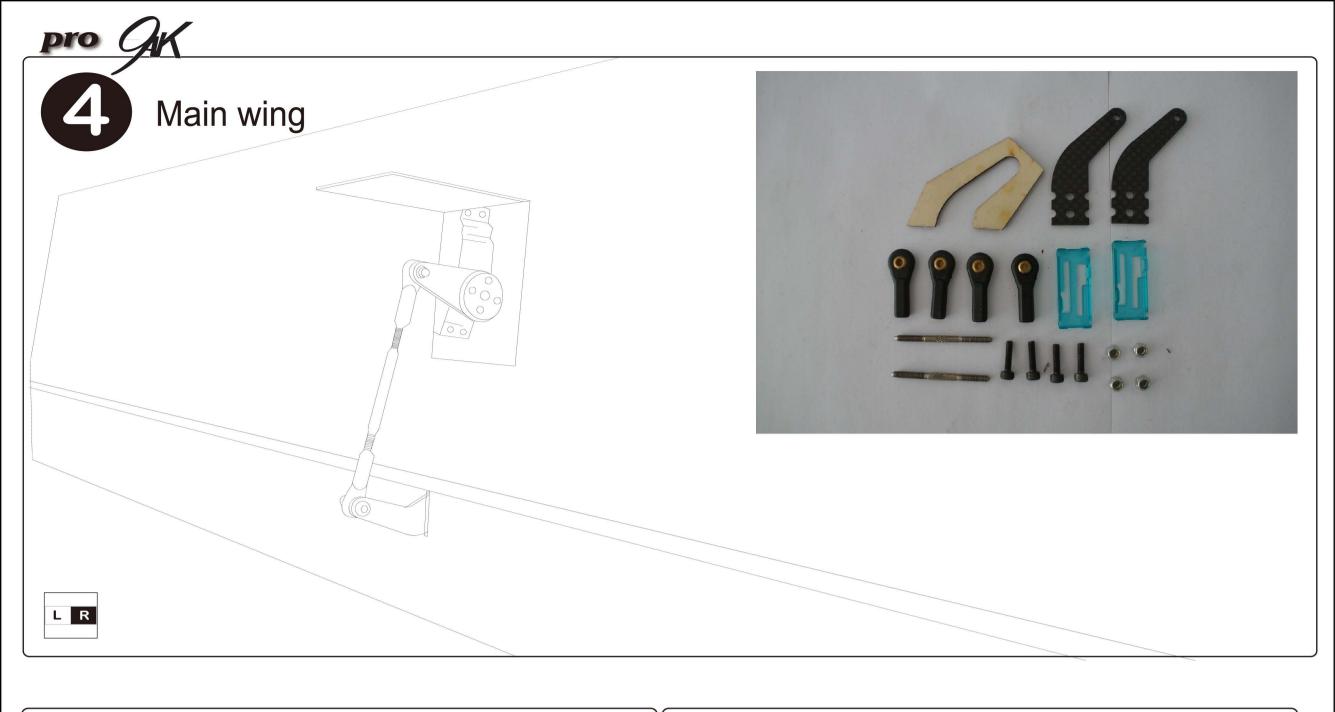


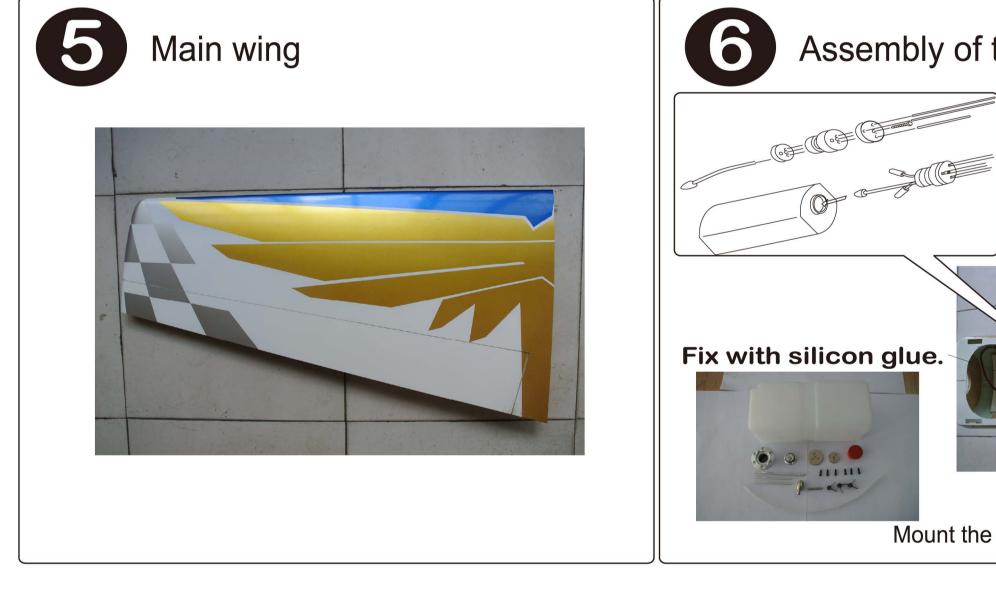
Cut off excess.

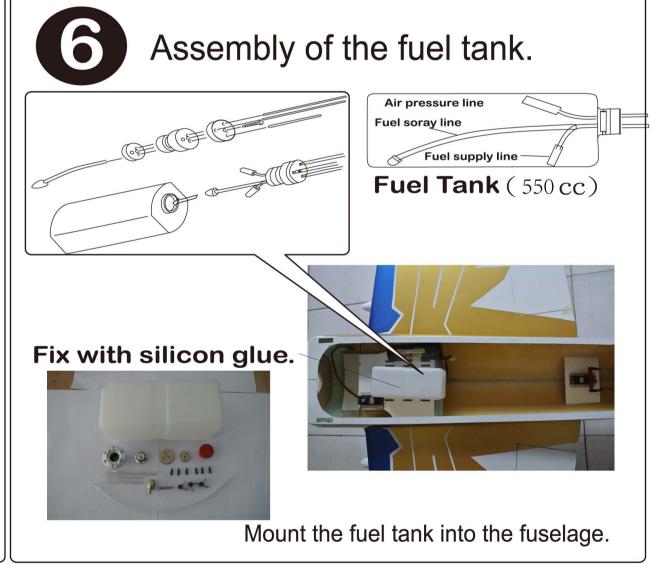


Apply epoxy glue.











Pay close attention here!



Cut off shaded portion.



Drill holes with the specified diameter.



Must be purchased separately!



Apply instant glue (C.A glue, super glue).



Assemble left and right sides the same way.



Cut off excess.



Apply epoxy glue.







Engine mounts, Throttle Rod





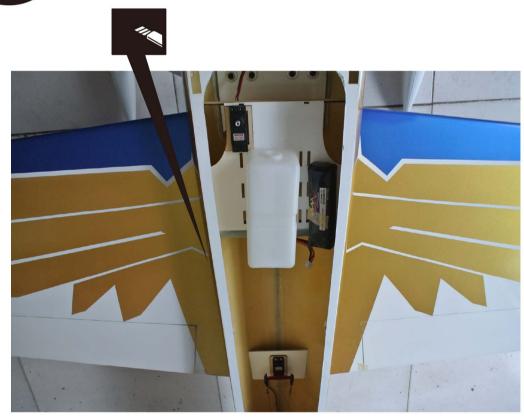
Before installing the engine mounts, place the engine onto the mounts and make four 2mm holes.



Engine thrust on balk head is already adjust at factory.

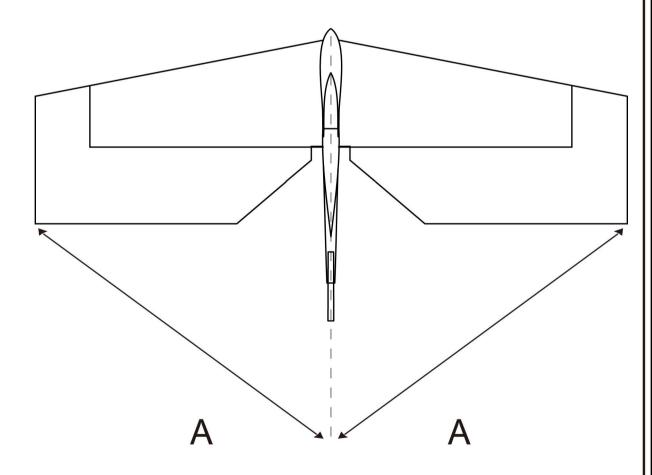


Main wing



Warning!

Securely attach the main wing. If coming off during flights, you lose control of your airplane whice leads to accidents!





A=A,



Pay close attention here!



Cut off shaded portion.



Drill holes with the specified diameter.



Must be purchased separately!



Apply instant glue (C.A glue, super glue).



Assemble left and right sides the same way.



Cut off excess.



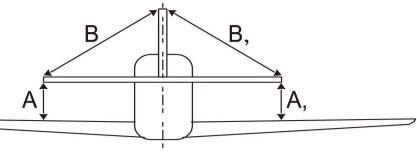
Apply epoxy glue.





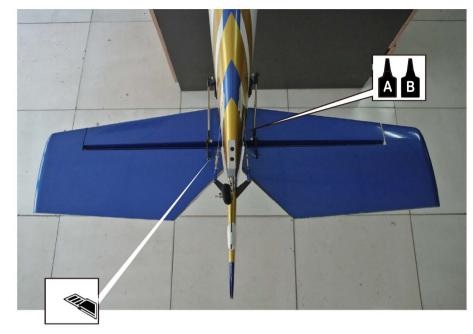
9 Vertical / Horizontal Tail

Warning! Securely glue together. If coming off during flights, you lose control of your airplane which leads to accidentd!

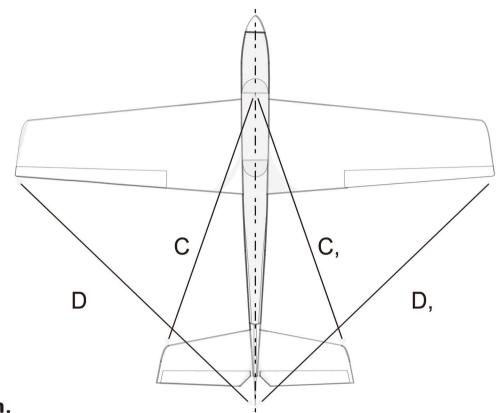


$$A = A, B = B,$$

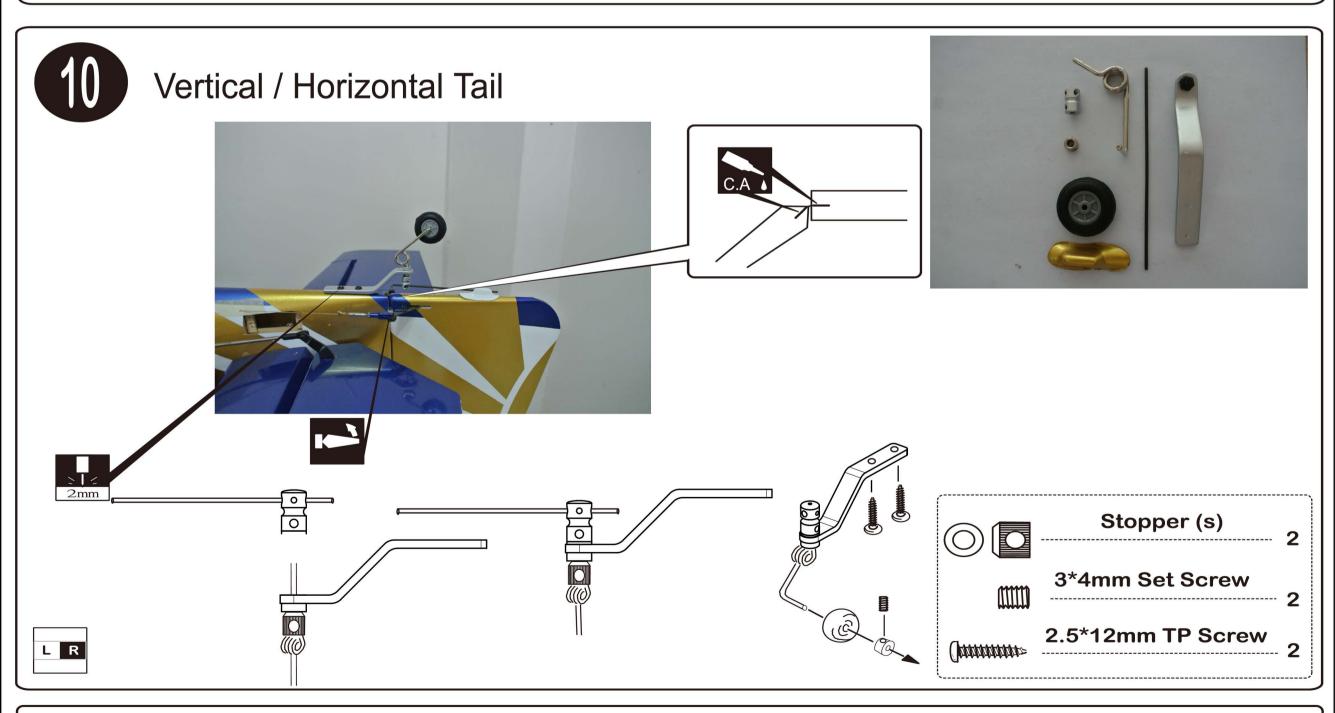
$$C = C, D = D,$$



Cut away only the film.



Feel for the edges of the holes under-neath the film. Then, cut away the film along the edges.







Apply instant glue (C.A glue, super glue).



Ensure smooth non-binding movement while assembling.



Drill holes with the specified diameter.



Canopy, Cowling

Cut away the surplus parts of plastic cover carefully along the shaded line.





It is also possible to fix the canopy with silicon with screw.



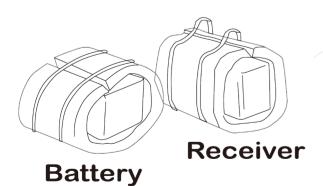
Apply instant glue into screwed hole to make reinforcement.



Radio Equipment



Rudder Servo





Pay close attention here!



Cut off shaded portion.



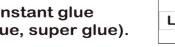
Drill holes with the specified diameter.



Must be purchased separately!



Apply instant glue (C.A glue, super glue).





Assemble left and right sides the same way.

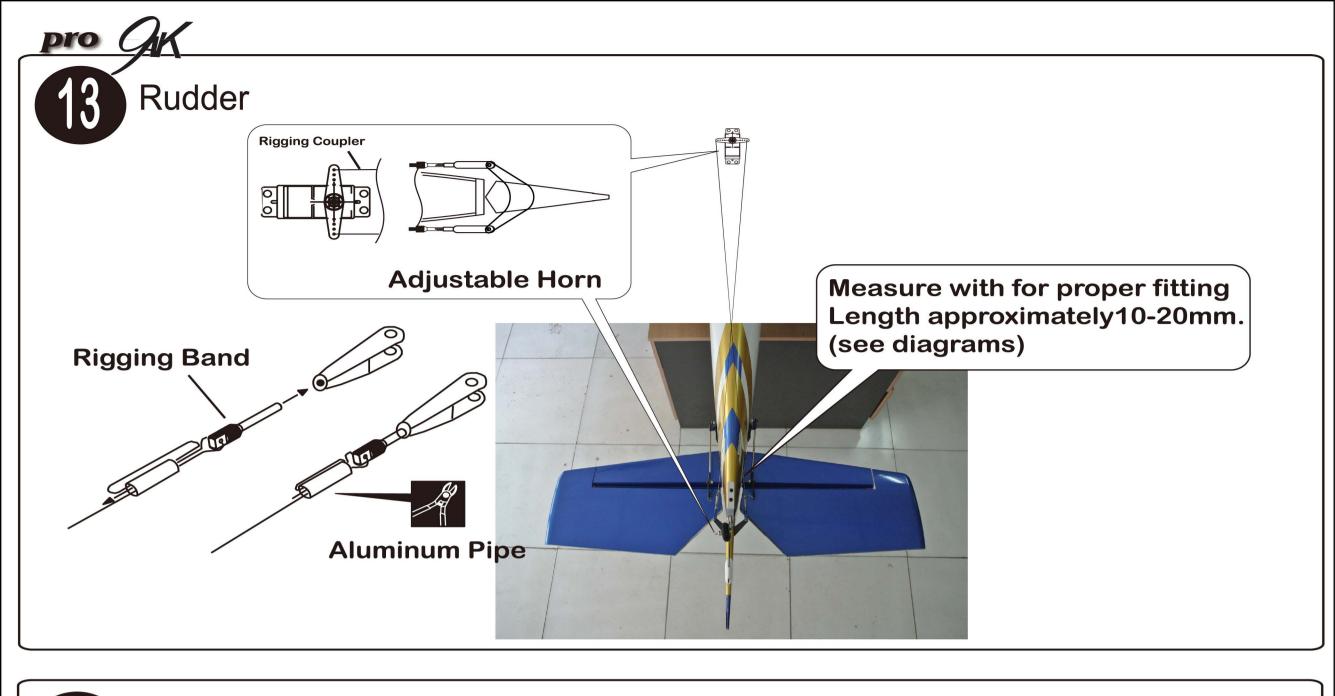


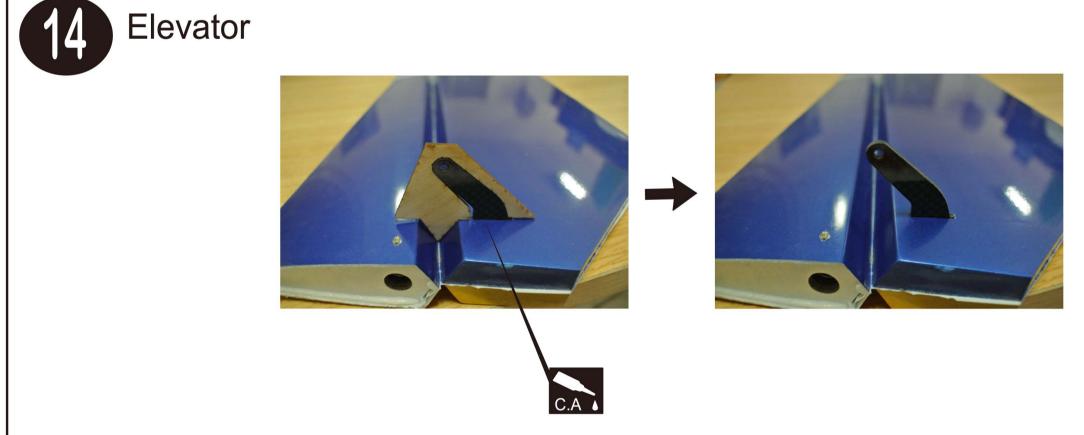
Cut off excess.



Apply epoxy glue.











Pay close attention here!



Cut off shaded portion.



Drill holes with the specified diameter.



Must be purchased separately!



Apply instant glue (C.A glue, super glue).



Assemble left and right sides the same way.



Cut off excess.

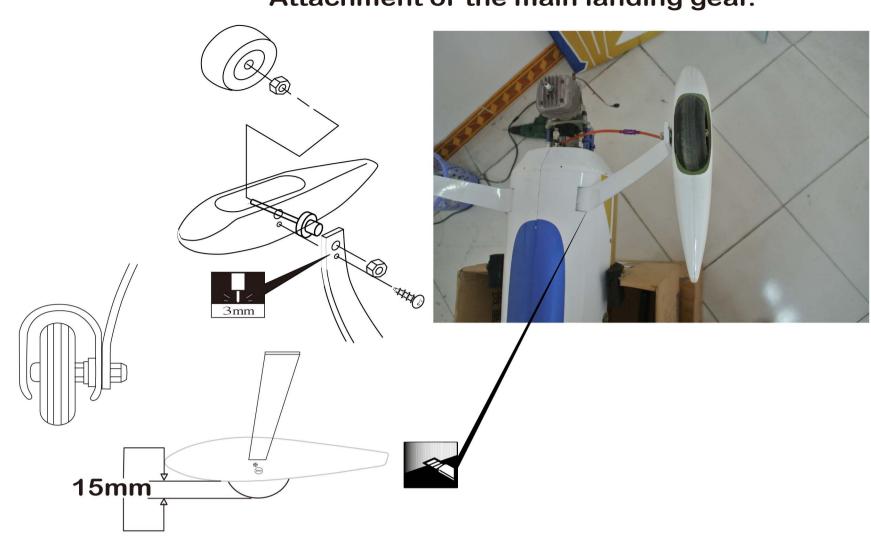


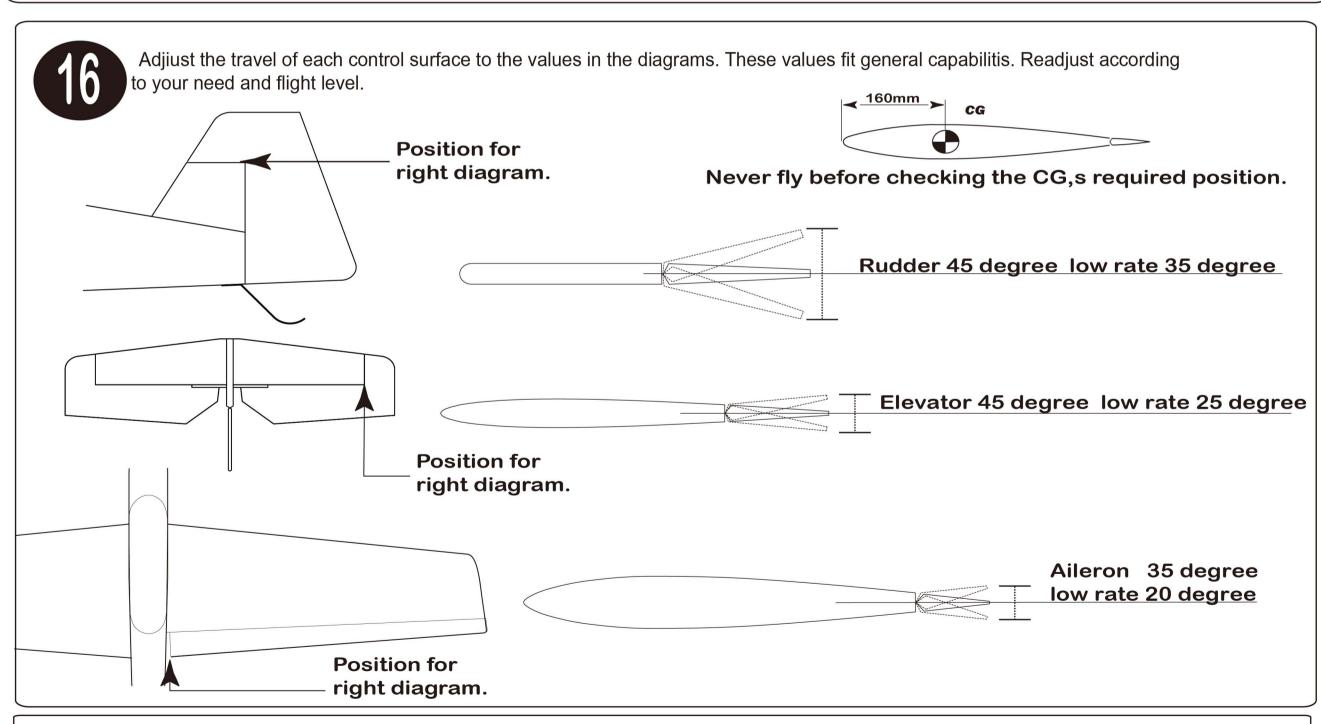
Apply epoxy glue.





Attachment of the main landing gear.







Pay close attention here!



Cut off shaded portion.



Drill holes with the specified diameter.



Must be purchased separately!



Apply instant glue (C.A glue, super glue).



Assemble left and right sides the same way.



Cut off excess.



Apply epoxy glue.



Always do observe the following in order to prevent accidents!

Before Flying

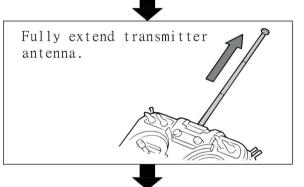
Before enjoying flying your airplane, sufficiently make sure the airfield is spacious. Always fly it outside rooms in safe areas with no debris or obstacles!

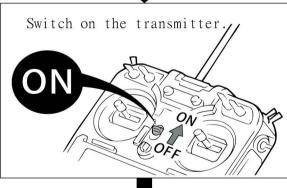


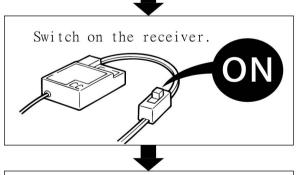
For radio equipment, refer to the manual included with the radio.

Check that the spinner and the propeller are securely fastened.

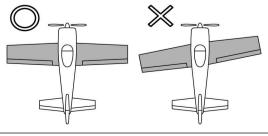
If the model begins to operate by itse if, there is another transmitter on your frequency. Do not try to oper -ateyour model under such condition for it may go out of control.





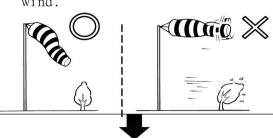


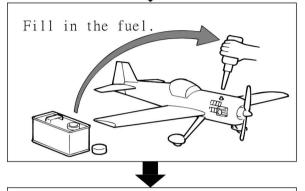
Check that the wings are properly and firmly affixed.



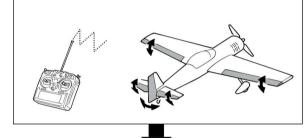
Flying

Do not fly your airplane when there is a strong wind or side wind.

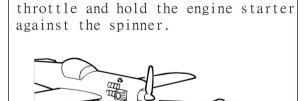




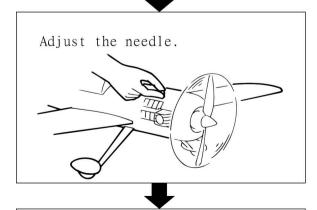
By moving the controls(transmitter) , check that all rudders move the way you adjusted them.



By moving the throttle control, check that the engine carburetor easily opens and closes



For starting the engine, apply low

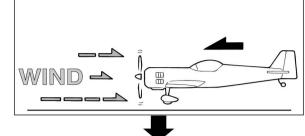


Hand-launch your airplane into the wind and make it take off.

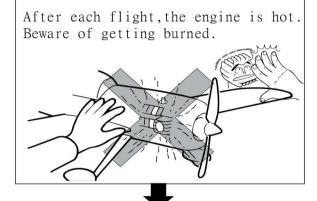


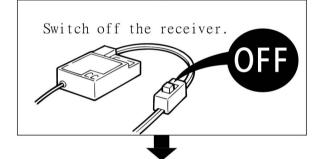
After Flying

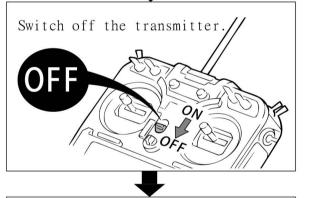
Always land your airplane into the wind.

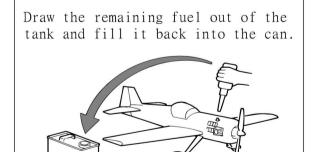


Bring your airplane to a halt by lowering the engine control trim.



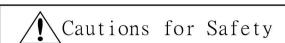




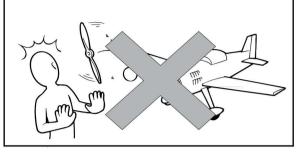




Only use XTECH COMPOSITE genuine part.



Always regulate the engine from behind, but never from in front or from the sides, because a rotating propeller might badly injure you.



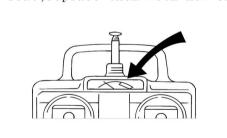
Do not allow watching people to get too close to a rotating propeller.



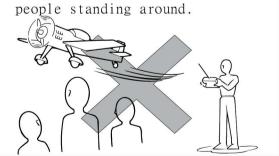
Immediately disuse defective propellers as well as deformed



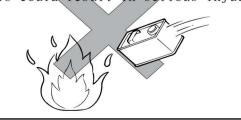
If the batteries of the radio system are flat, replace them with new ones.



Do not fly your airplane above people standing around.



Never throw burning, gleaming or smouldering thing into fuel cans, even if these happen to be empty. This could result in serious injury.





Thanks again for choosing Engel Modellbau Aircraft. Enjoy your flying.

X-TECH QUALITY ENGINEER PRODUCT.