Before operating this unit, please read these instructions completely.

BLUEFOX 2012 3D-HCF INSTRUCTIONS

Instruction Manual

Hollow-carved & filming technology

We've been trying our best to lighten the flying weight of our indoor 3d planes and also enhance their configuration intensity. Today, we applied a brand-new technology which is used on this kind of planes and achieves great effect.

1.Use laser cutting machine to make depron foam hollow-carved, also ensure entire plane's configuration rigidity by reasonable configuration design.

2.We adopt ultrathin polyester film, then print colorful color schems on it, although this is a difficult task.

3.To ensure good adhesive effect between the joints of film and foam, we applied advanced filming technology. No additional adhesive left inside carved hollows.

4.In mass production, we use very skillful adhesive-transfer and heating solidify technology to make sure there's no distortion and unglued part in finished product.

5.HCF TECH not only increased product's anti-break performance, but also reduced any unnecessary configuration weight, which greatly improves our product's flying performance.

We hope our HCF TECH will be widely recognized by customers.

Product Specifications

Fuselage Length: 850mm (33. 5in.)
Wingspan: 780mm (30. 7in.)
Flying Weight: 115-140g (with battery)

Motor : AS2204 KV1700
ESC : 6-10Amp
Propeller: 8043SF prop or 8040 HD prop
Servos: 4-6g micro servo *3pcs
Radio: 4/more channel
Battery: 7.4v 2S 250-450mAh Li-po 25C

3D FLYING power combo 1(MXS,Sbach 342, Edge 540, Blue Fox, Extra 330SC & SU 29)

MOTOR: AS2204 KV 1700 outrunner brushless motor

SERVO:DT55
0.07 sec/60°at 6.0V
0.07 sec/60°at 6.0V
1.5kg-cm at 6.0V
20.8X11X20mm
Weight:6.5 g
ESC: 6Amp 2-3s Lipo BEC 1A/5V
BATTERY: 350mAh 7.4v Lipo 20C

Warning:This aircraft is a hobby grade product, only for people 14-year old or above.

Do not fly under the conditions as below
Wind strong enough to make the trees rustle
A street with many trees or street lamps
Close to high voltage electrical wires
High Population density areas

Cautions for flying
Large gyms, front lawns and parks make excellent flying areas. Make sure you have permission to fly and follow safety guidelines set by local authorities. The calmer the wind, the better!

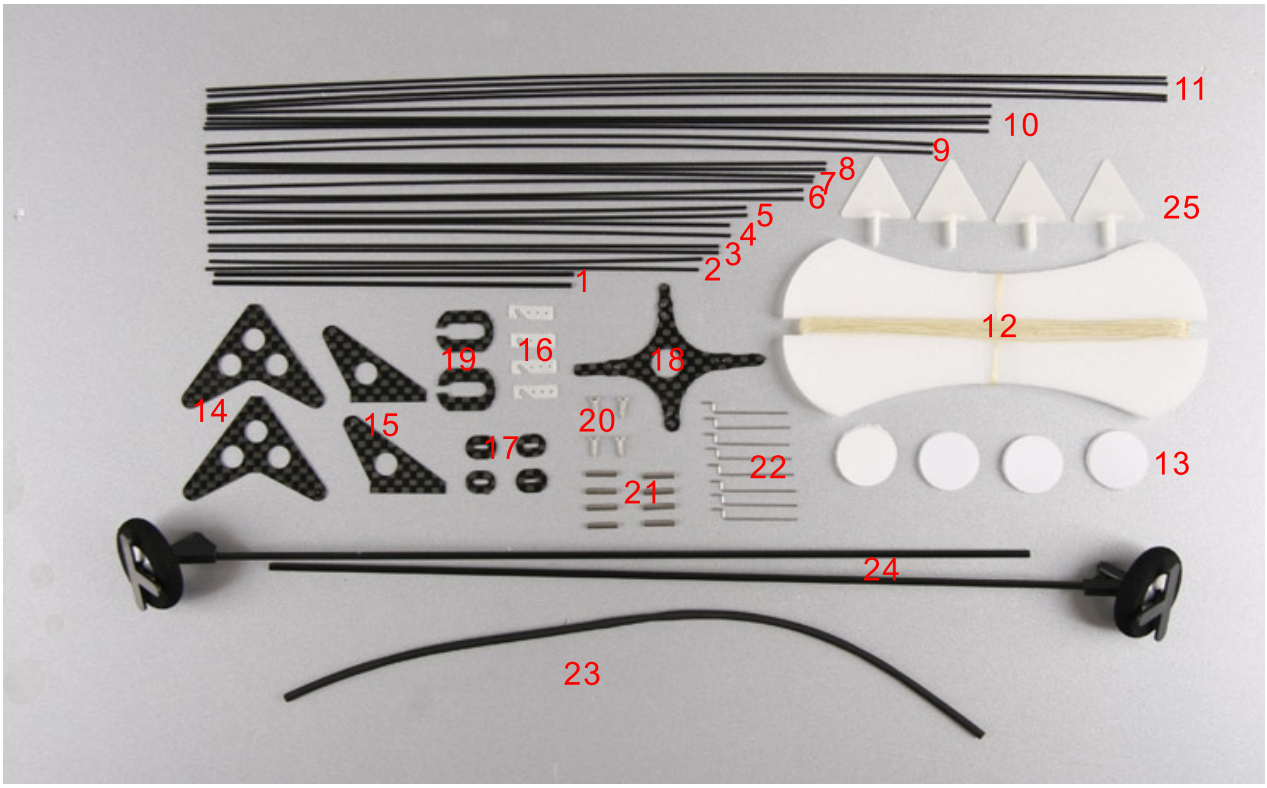
Note for Storage
Please disconnect the lipo packs when finished flying
Do not press or crush the airplane when storing
The best way to store is to hang the airplane to keep the control surface rigid

Recommended Flying Setup
Max servo travel of aileron: 40degrees up and 40degrees down(50mm)
Max servo travel of elevator: 45degrees up and 45degrees down(63mm)
Max servo travel of rudder: 45degrees left and 45degrees right (80mm)

CG Position:
65-75 mm from the leading edge of the wing.

Parts included in the packing

1	Wing (top wing and Bottom wing)	2pcs
2	Fuselage	1pc
3	Rudder(vertical tail)	1pc
4	Elevator (stabilizer)	1pc
5	Wheel cover	2pcs
6	Double wing supporting foam	2pcs
7	Horizontal fuselage	1pc
8	Winglet	1pc

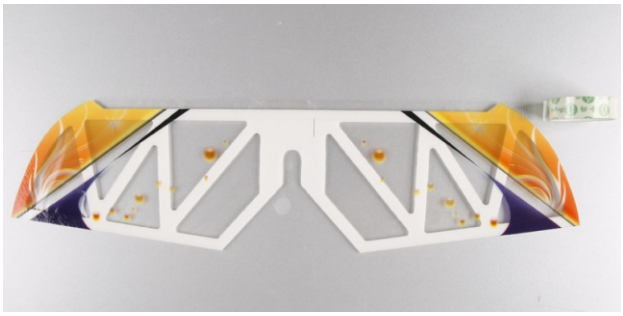


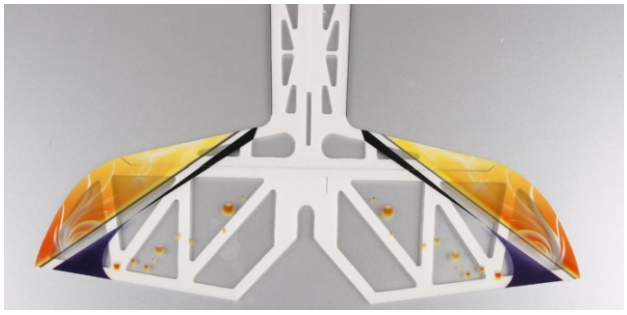
1 carbon fiber rods 1.3*95MM 2pcs (Aileron push rod)
2 carbon fiber rods 1*130MM 2pcs
3 carbon fiber rods 1*135MM 2pcs
4 carbon fiber rods 1*138MM 2pcs
5 carbon fiber rods 1*142MM 2pcs
6 carbon fiber rods 1*158MM 2pcs
7 carbon fiber rods 1*160MM 2pcs
8 carbon fiber rods 1*163MM 2pcs
9 carbon fiber rods 1*192MM 2pcs
10 carbon fiber rods 1*206MM 4pcs
11 carbon fiber rods 1*257MM 4pcs

12 Pull-pull thread	1pc
13 Nylon velcro	4pcs
14 Rudder & elevator control horn	2pcs
15 Aileron control horn	2pcs
16 Pull-pull thread adjustor	4pcs
17 Reinforcing doublers	4pcs
18 Motor mount	1pc
19 Landing gear reinforcement	2pcs
20 Self tapping screw	4pcs
21 Steel tube	8pcs
22 Z bend	8pcs
23 Shrink tube	1pc
24 Landing gear set	2pcs
25 Ailerons connector	4pcs

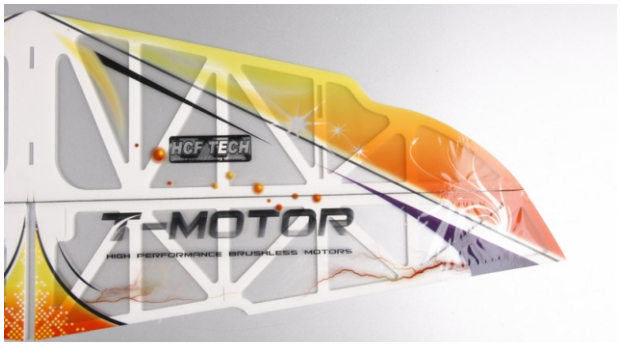
The items below are required for assembly

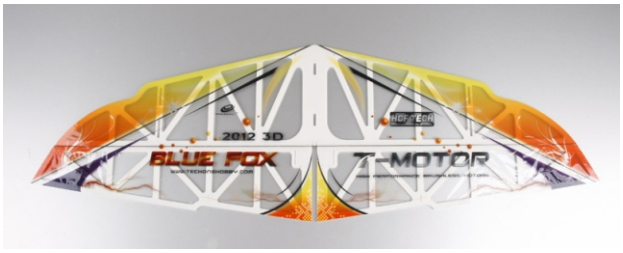
The assembly steps：





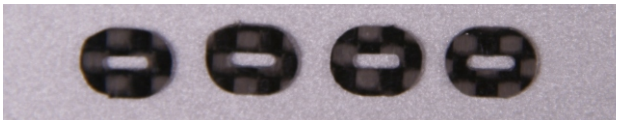
1.Attach elevator to stabilizer and fix with glue tape. Notice: make sure elevator can move up and down smoothly.

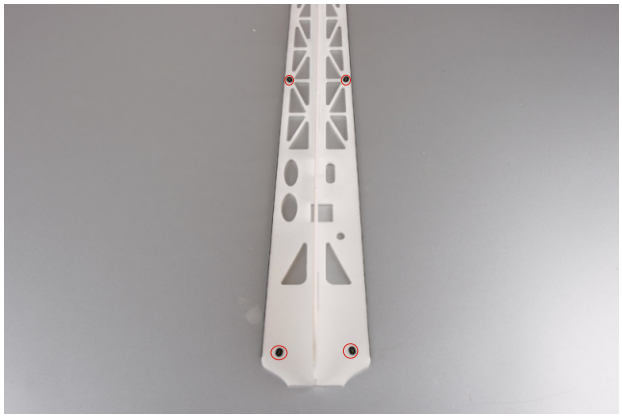




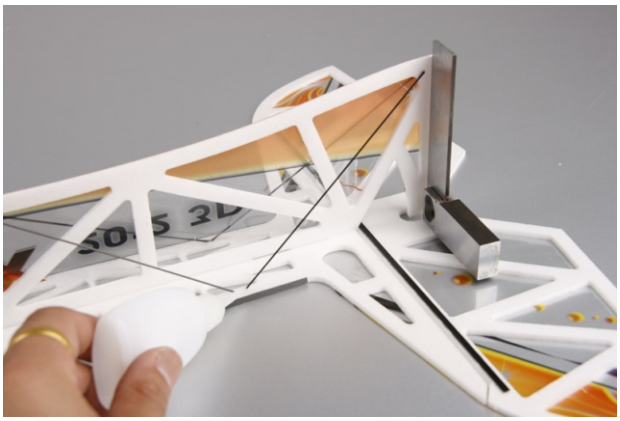
2.Fix left and right ailerons, same as last step.

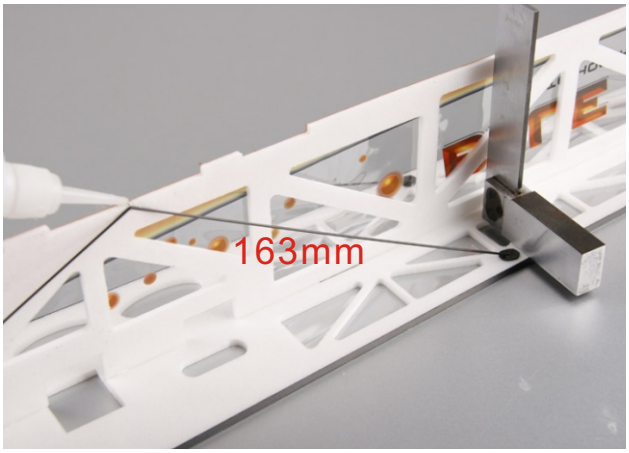
3.Insert lower vertical fuselage into the slot of horizontal fuselage, then use CA to fix.
Notice: make sure both fuselages are perpendicul ar to each other.

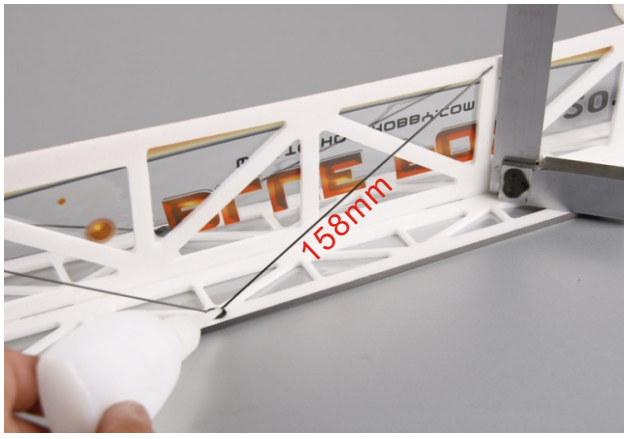


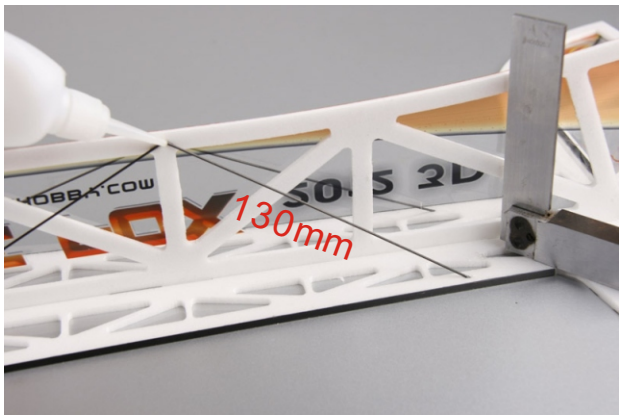


4.Glue 4pcs reinforcing doublers onto pre-reserved holes on back fuselage, refer to above pictures.



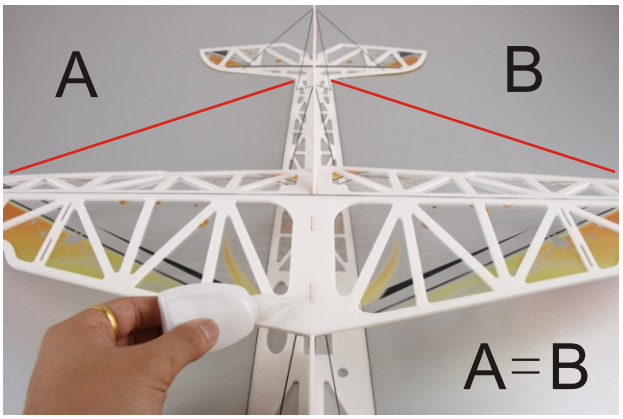


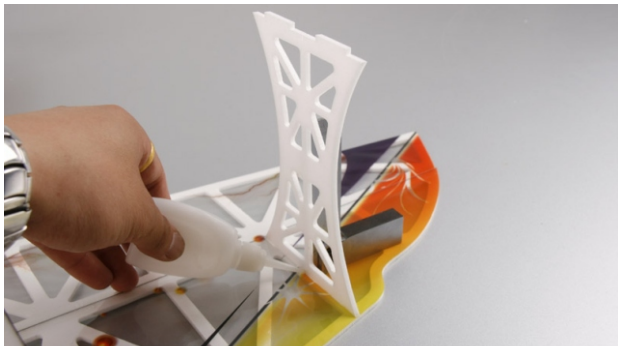


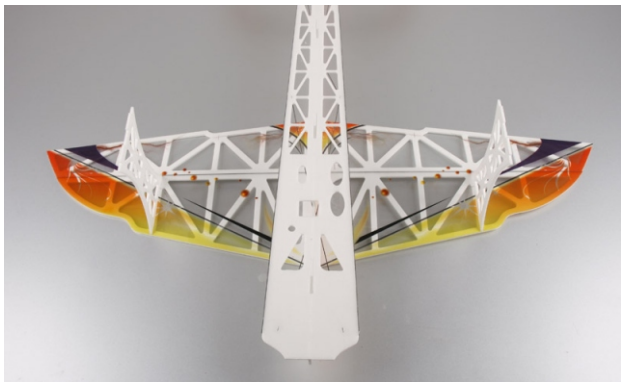


5.Install other carbon rods, and make sure the vertical fuselage is perpendicular to wing.

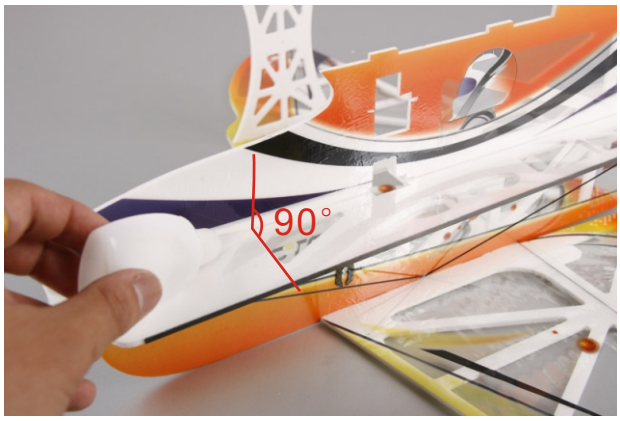
6.Fix landing gear reinforcements to corresponding hole with glue.



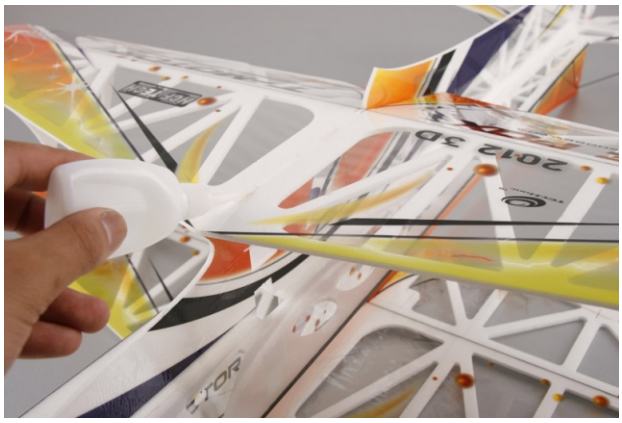




7.Fix left and right wing supporting foam with glue.

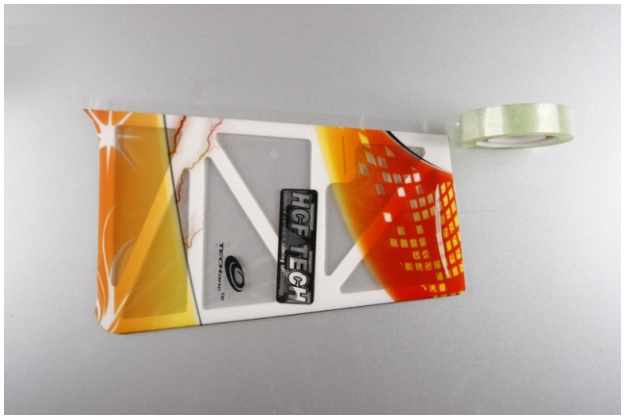


8.Insert upper vertical fuselage into the slot of horizontal fuselage, then use CA to fix.
Notice: make sure both fuselages are perpendicular to each other.

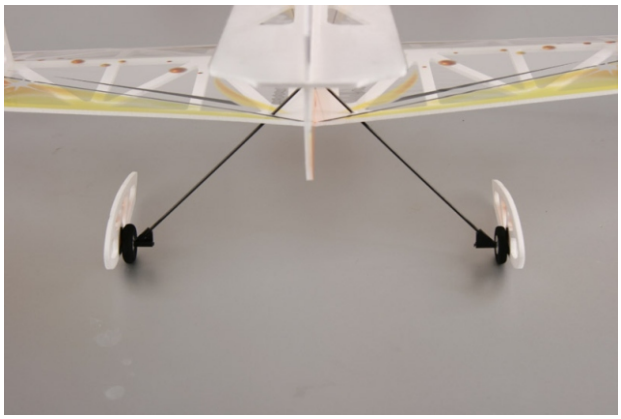


9.Install top wing.

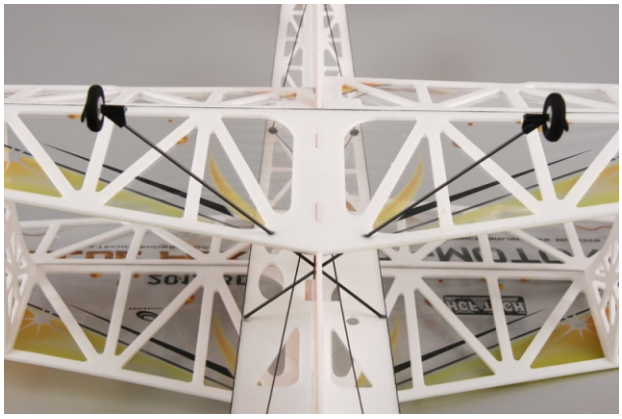
10.Install wing fences on corresponding places of bottom wing and fix with glue.



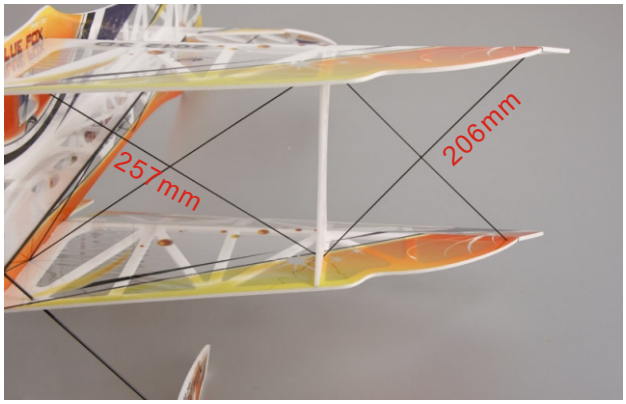
11.Install rudder on vertical fuselage.



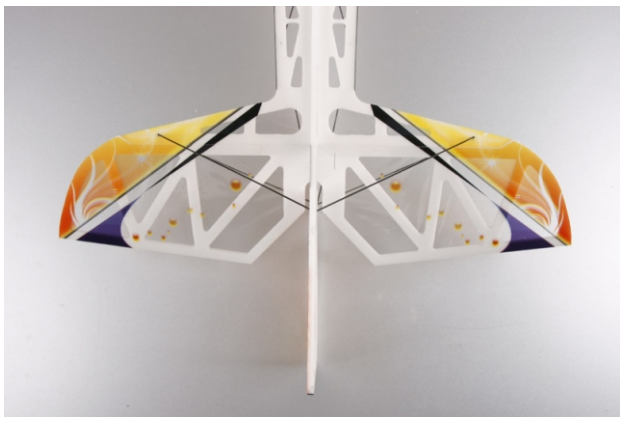
13.Install wheel covers.



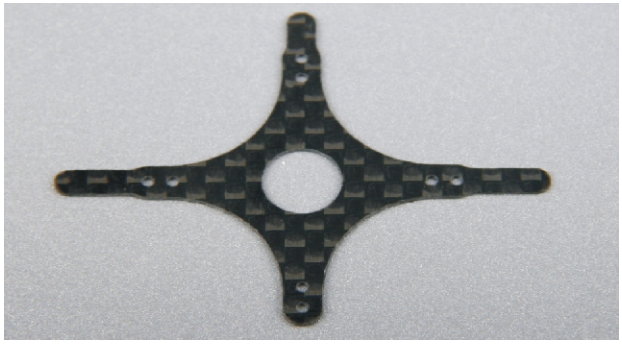
12.Install landing gear sets.

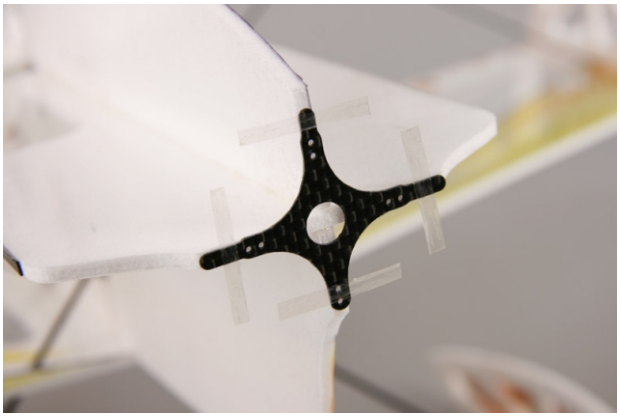


14.Install carbon fiber bracings between two wings.

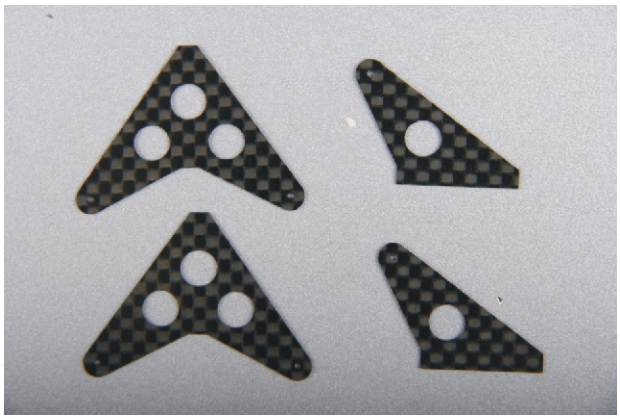


15.Install 2pcs carbon fiber rods between upper stabilizer and rear vertical fuselage.
Make sure stabilizer is perpendicular to vertical fuselage.





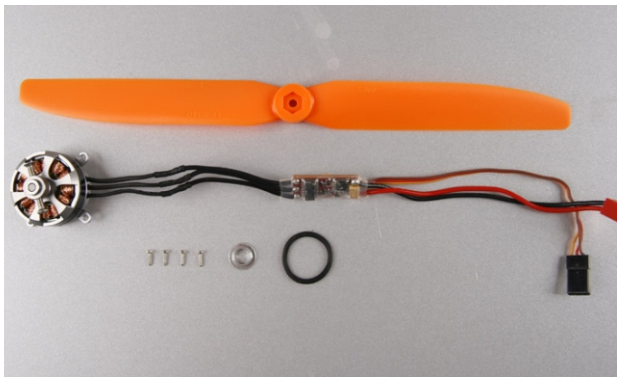
16.Install motor mount on nose, then use fiber tape to reinforce.

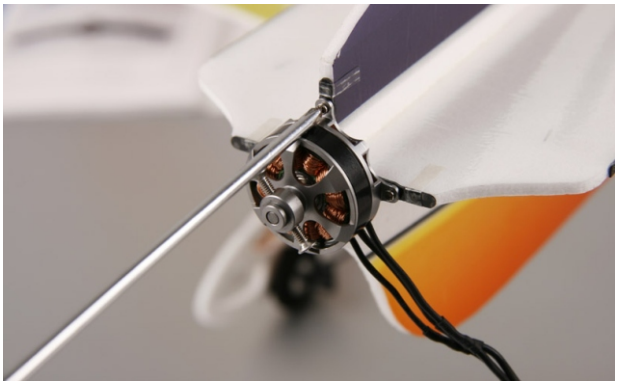


17.Install 2pcs aileron control horns on back wings.

18.Install elevator control horns.

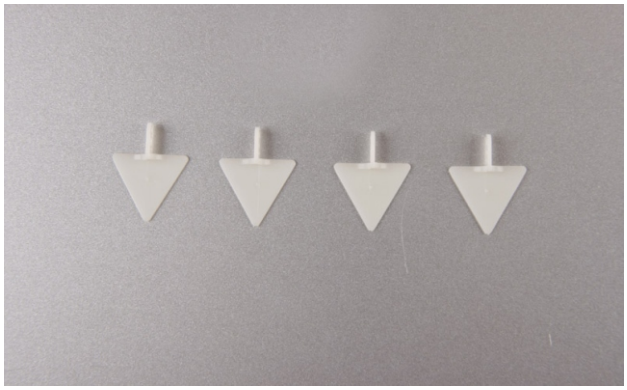
19.Install rudder control horns.

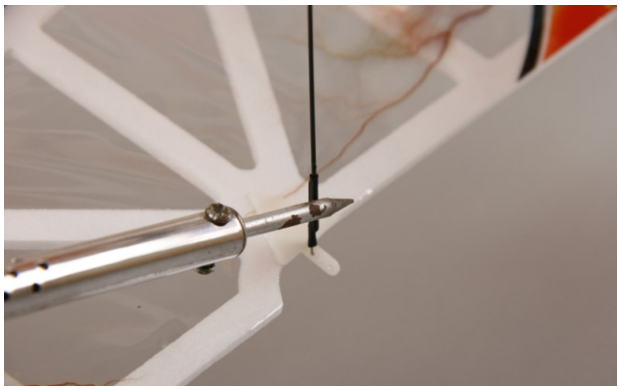


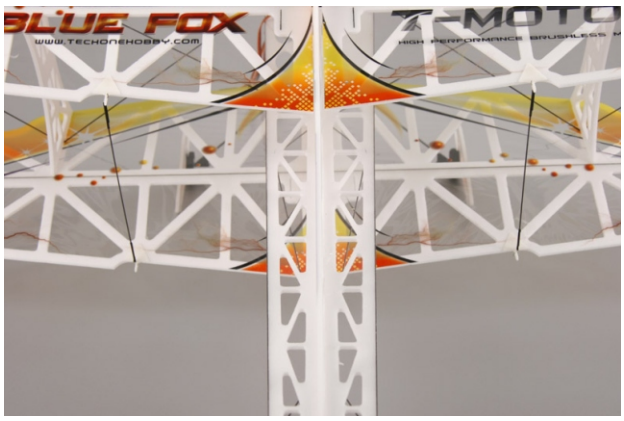


20.Install motor on motor mount with 4pcs self tapping screws.

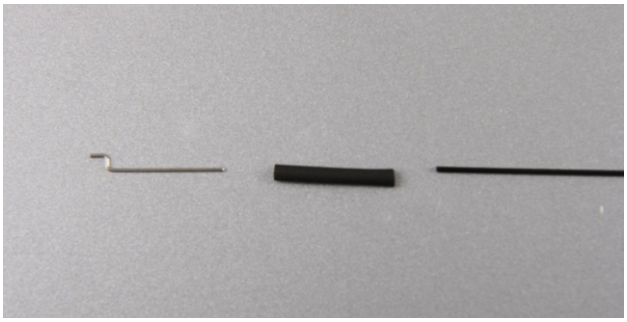
21.Fix propeller with o ring.



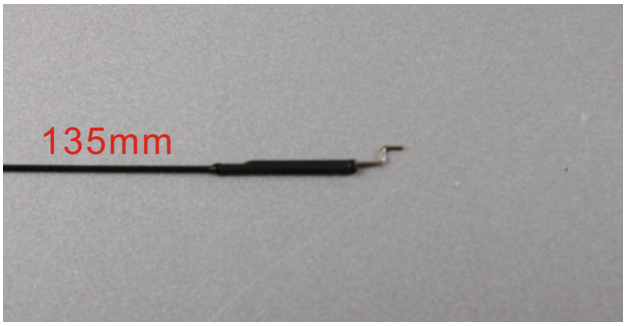


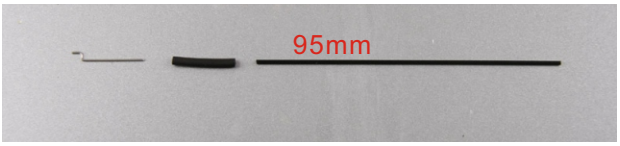


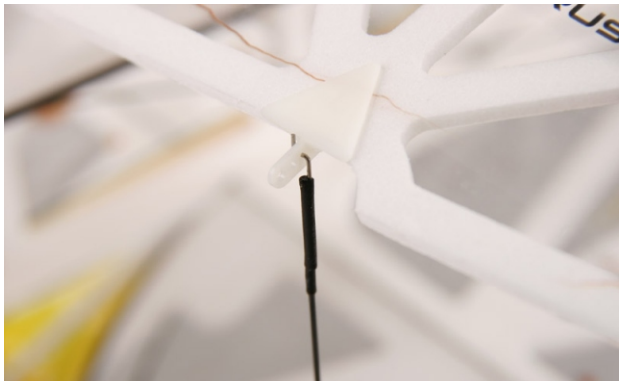
22.Install ailerons connector with glue, then use carbon fiber rods to connect top and bottom ailerons.

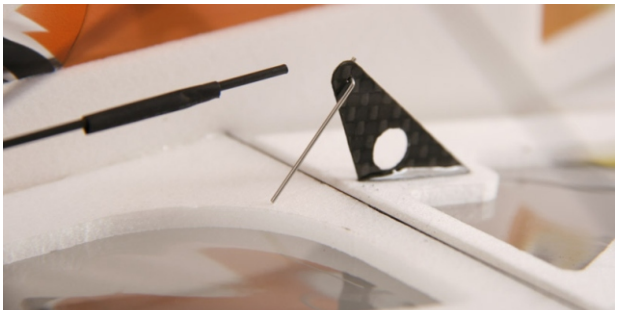


23.Place aileron servo into pre-cut servo hole on fuselage and fix with glue.

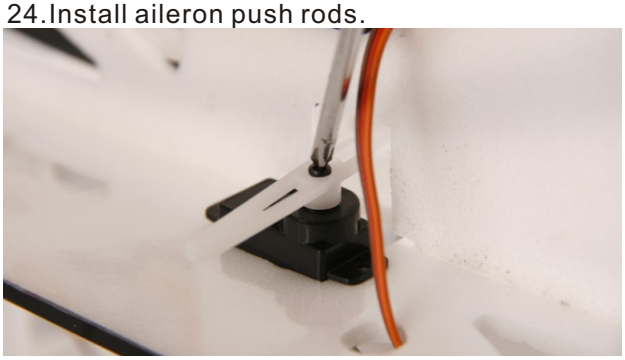




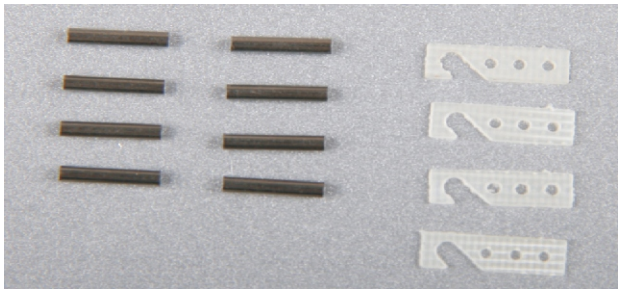


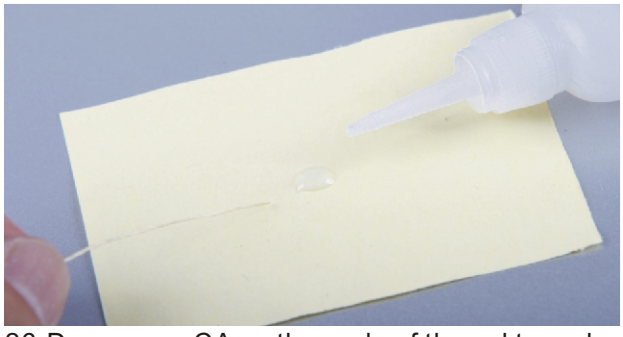


24.Install aileron push rods.

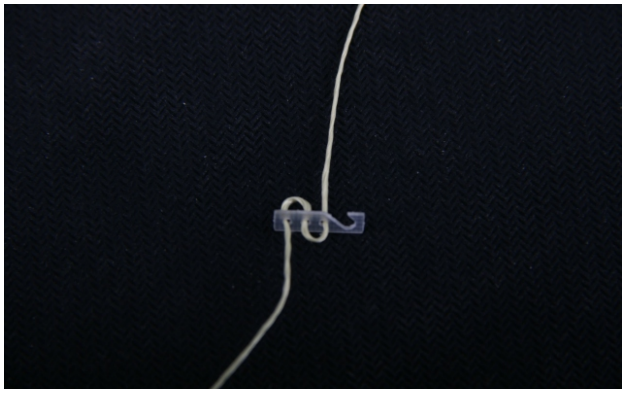


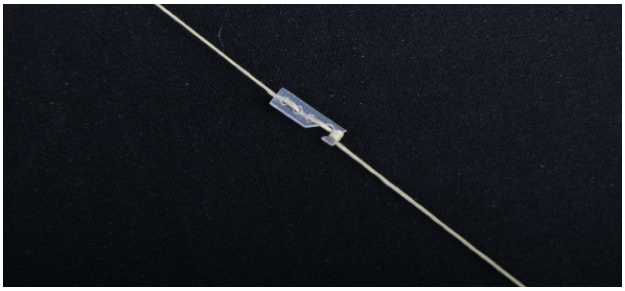
25.Install rudder servo arm extension.

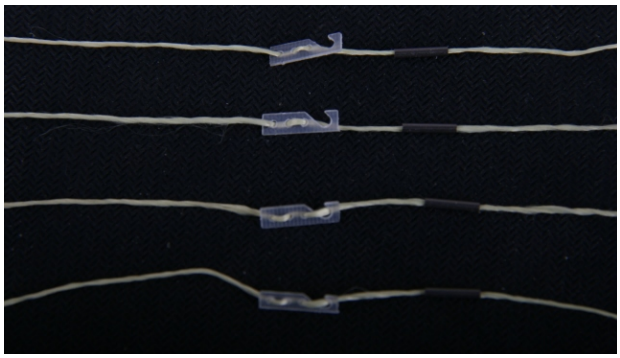




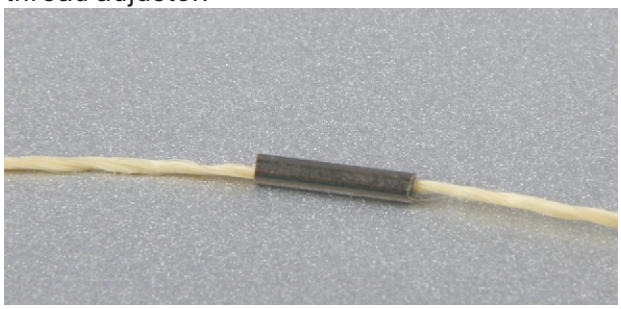
26.Drop some CA on the ends of thread to make them a little harder, so they can easily thread through small holes.



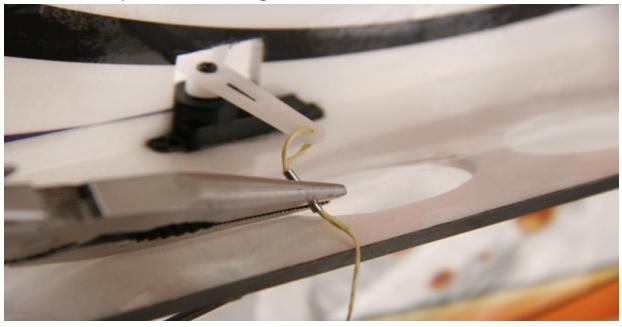




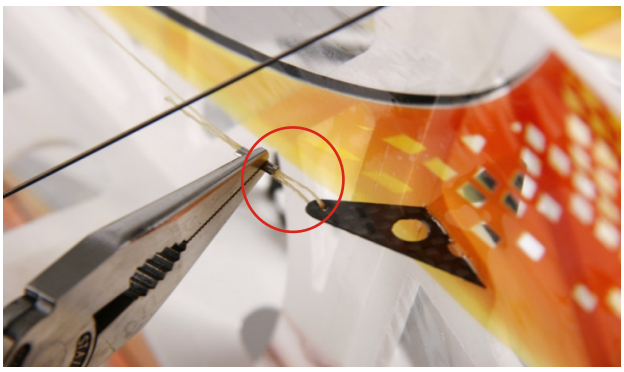
27.Across thread through 3 holes on pull-pull thread adjustor.

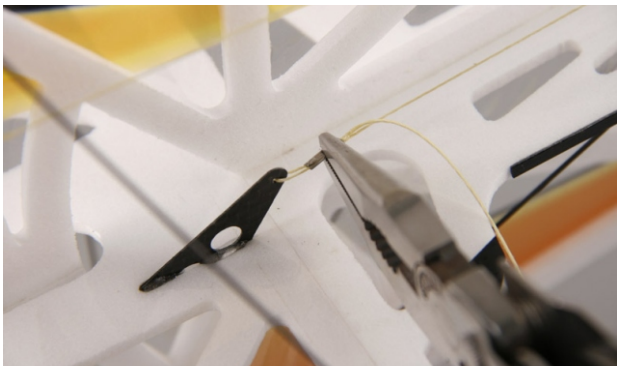


28.Then pass through steel tube.

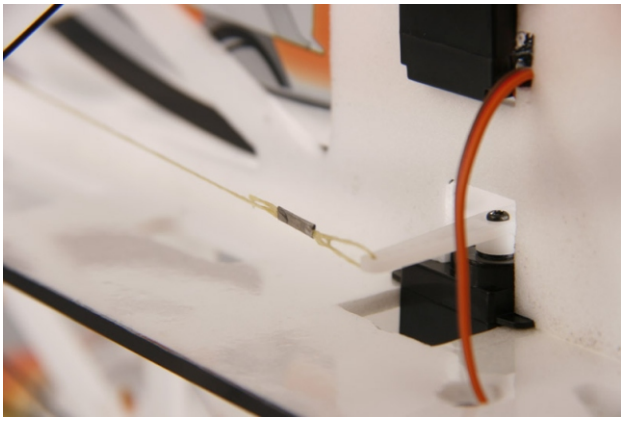


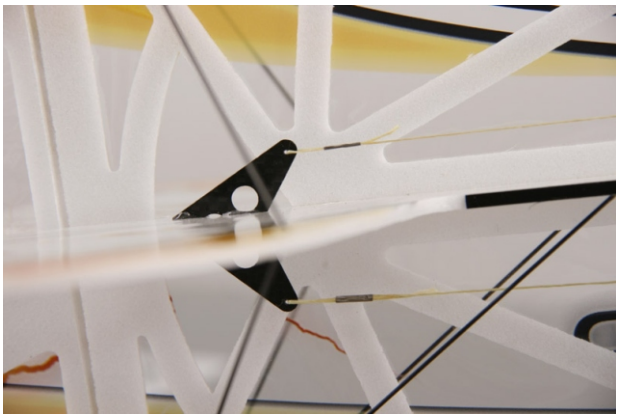
29.Then thread through the hole on rudder servo arm. Stave steel tube with plier and fix with CA.

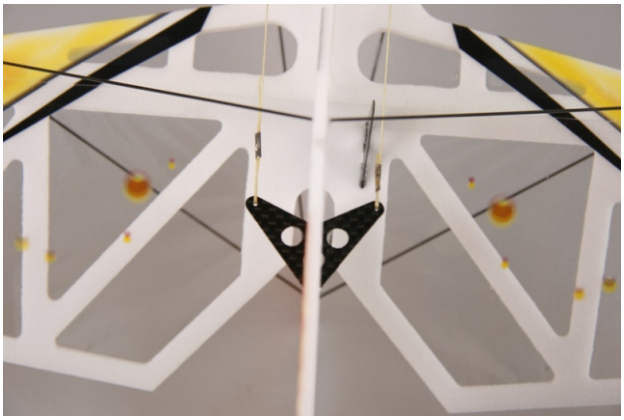


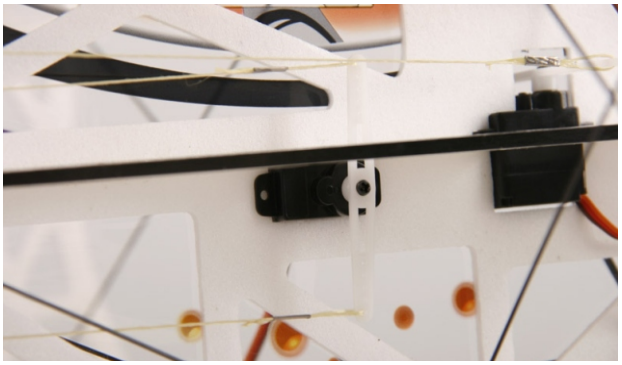


30.Pass another end of thread through rudder control horn, and stave steel tube with plier, then fix with CA. The same operation as last step.

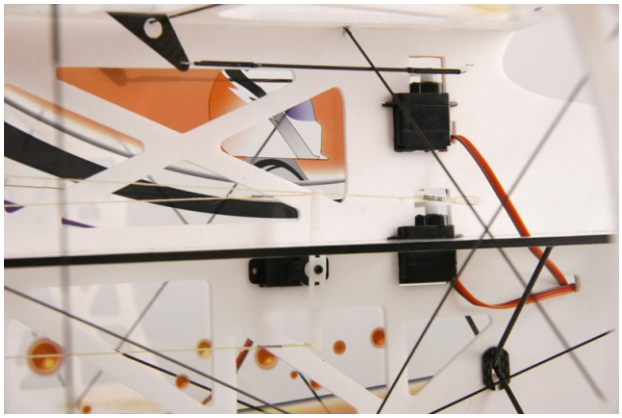


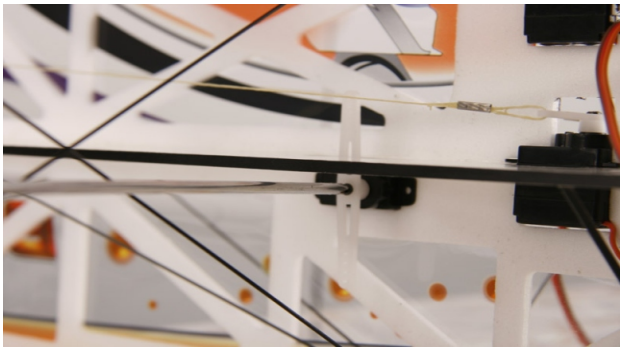




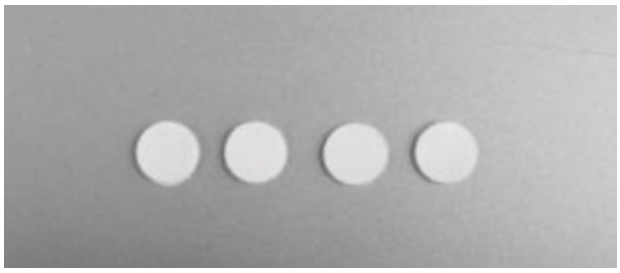


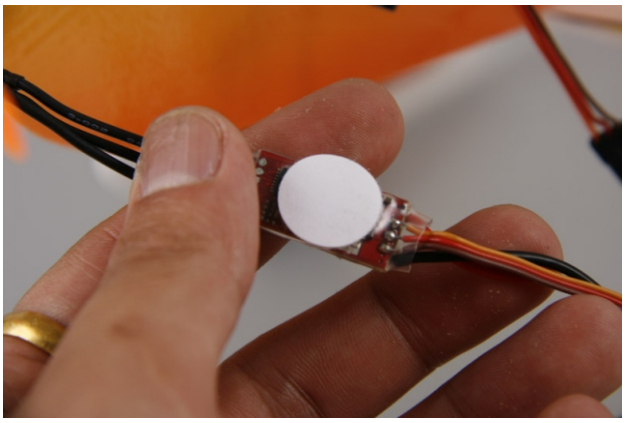
31.Install another elevator pull-pull thread. Same operation as last step.
Notice: make sure the thread is taut.

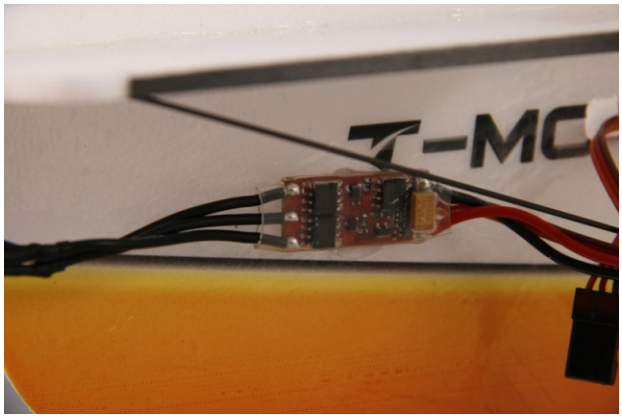




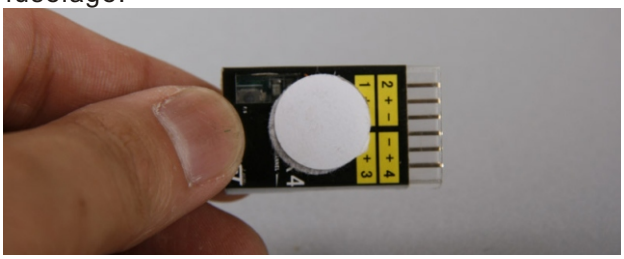
32.Install elevator pull-pull thread. Same operation as rudder pull-pull thread.

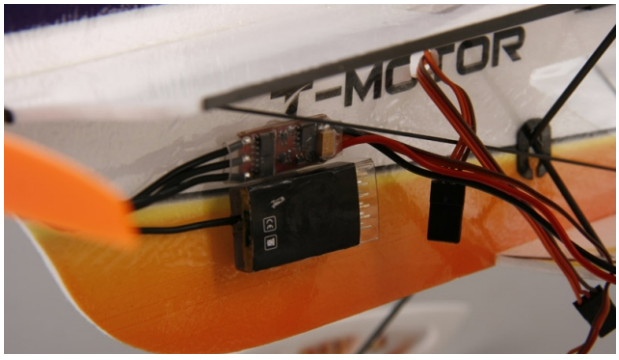


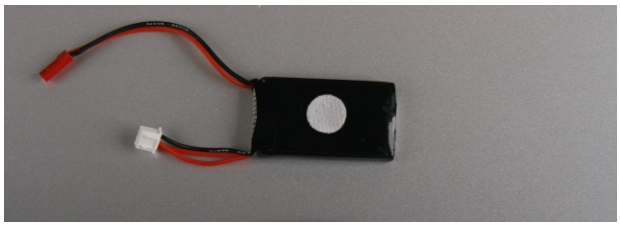


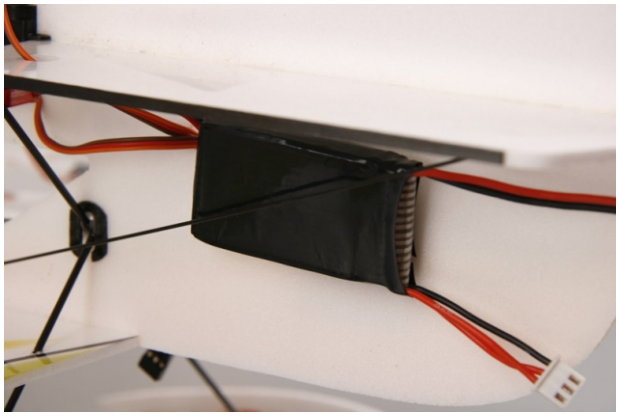


33.Fix ESC with nylon velcro on lower vertical fuselage.

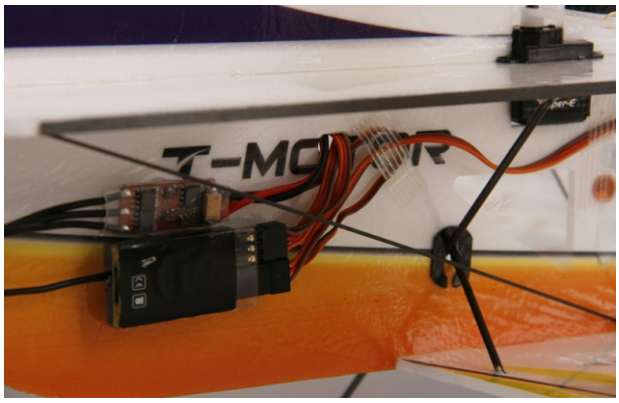




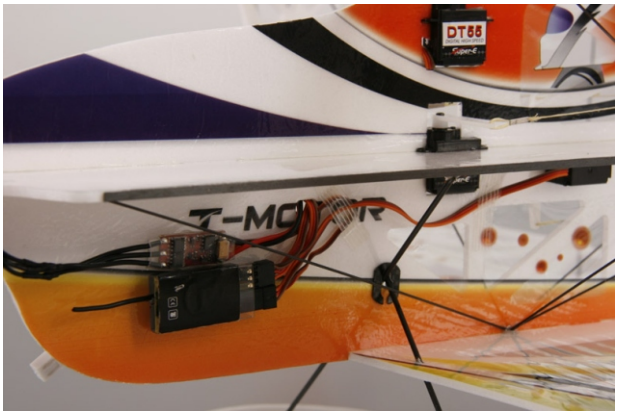




34.Fix receiver and battery with velcro.



35.Pass all servo wires through fuselage and place them close to receiver.



36.Connect servo and ESC to receiver, then power on and do equipment test.

37.A perfect Blue Fox 2012 3D is done after your careful assembly. While assembly, the flying weight is really critical to the flight performance and will be affected by adding weight, so you should reduce any unnecessary weight while assembly. Then you'll get the best flying performance.

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