Before operating this unit, please read these instructions completely.

Extra330 3D-EPP

Instruction Manual

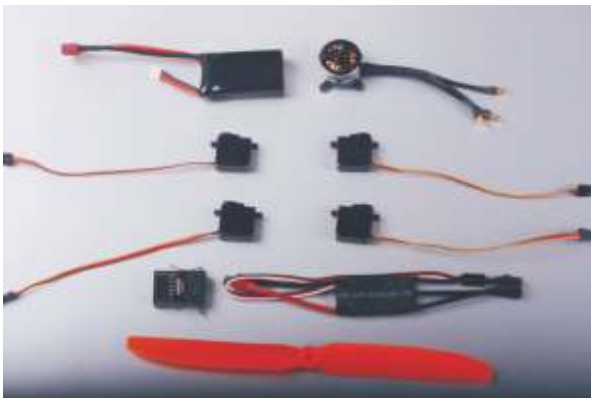
1.extra330 3D-EPP is a super aerobatic model for 3D aerobatic flying. It's made of "almost unbreakable" EPP material and by the modern technology in CNC machines.
2.The flying time of extra330 3D-EPP is 8-15 minutes, it depends on the flying figures. The model is able to "torque roll"and then after giving more "gas" to rise verticaly up, looping in "knife" flight and all aerobatic figures.
3.Easy to landing.
4.Easy to assemble, most of the parts are pre-assembled in our factory.

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

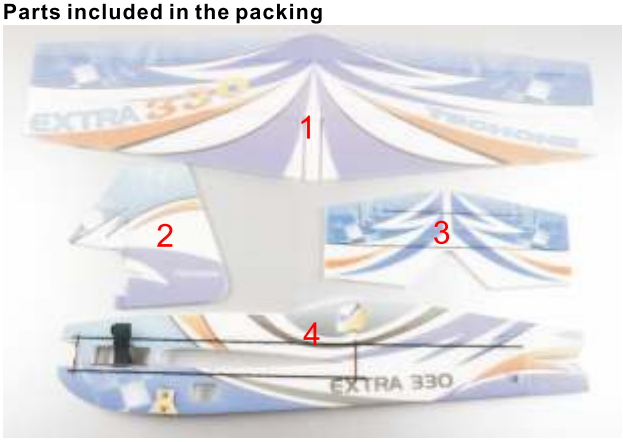
Product Specifications



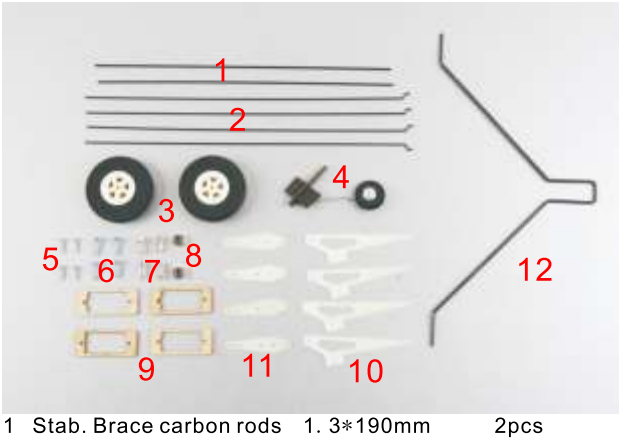
Fuselage length: 920mm (36.2in.)
Wingspan: 900mm (35.4in.)
Flying Weight:420--490g (with battery)
Motor: T2212 KV 1400 or AT2216 KV 1250
ESC: 20-30 Amp
Propeller:GWS 9x5
Servo: 8-10g micro servo*4pcs
Radio: 4/more channel
Battery: 11.1V 1000-1200mAh Li-po 25C

Recommended Flying Setup
Max servo travel of aileron: 35degrees up and 35degrees down（55mm）
Max servo travel of elevator:50 degrees up and 50 degrees down（70mm）
Max servo travel of rudder: 55degrees left and 55 degrees right （90mm）
CG Position:
90-100mm from the leading edge of the wing.

Parts included in the packing

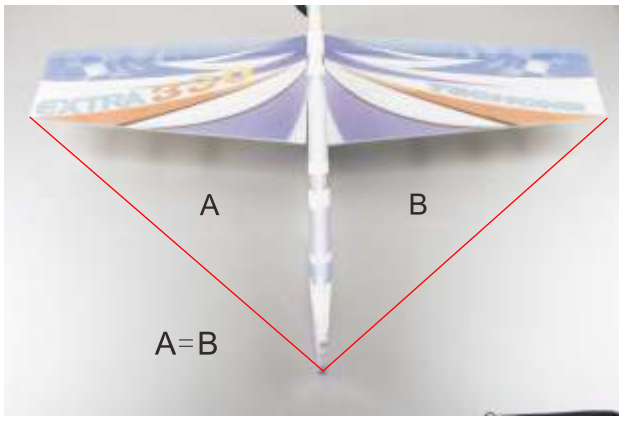


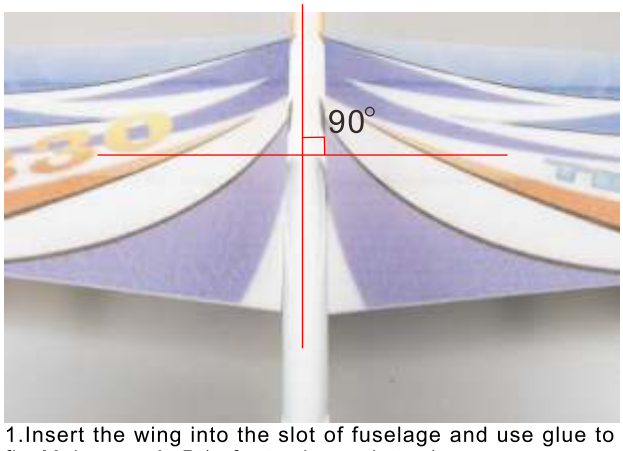
1	Wing (right and left)	1pc
2	Rudder(vertical tail)	1pc
3	Elevator (stabilizer)	1pc
4	Fuselage	1pc



1	Stab. Brace carbon rods 1. 3*190mm	2pcs
2	Z bend 1.2*200mm	4pcs
3	Wheel	2pcs
4	Bracing	1pc
5	Screw 1.5*5mm	4pcs
6	Screw 3*10mm	4pcs
7	Pushrod connector	4pcs
8	Wheel pants	2pcs
9	Plywood servo mount	4pcs
10	Aileron &Elevator & Rudder horn	4pcs
11	Extension servo arm	4pcs
12	Landing gear	1pc

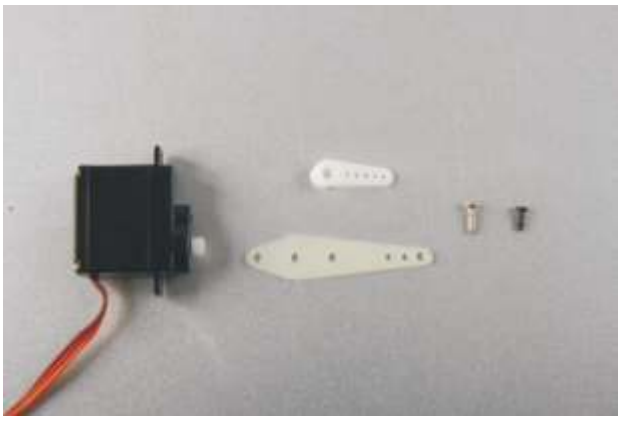
The items below are required for assembly



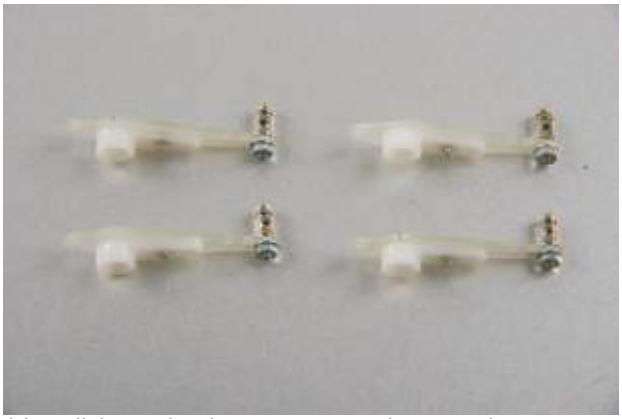


1.Insert the wing into the slot of fuselage and use glue to fix. Make sure A=B (refer to above picture)

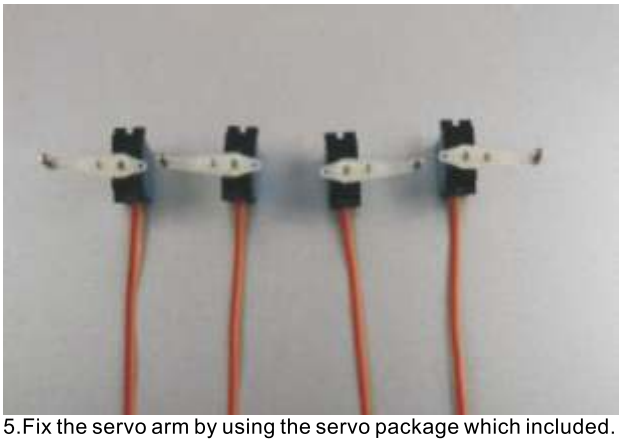
2.Drop some glue on the joints of fuselage and wing to fix (both upside and downside).



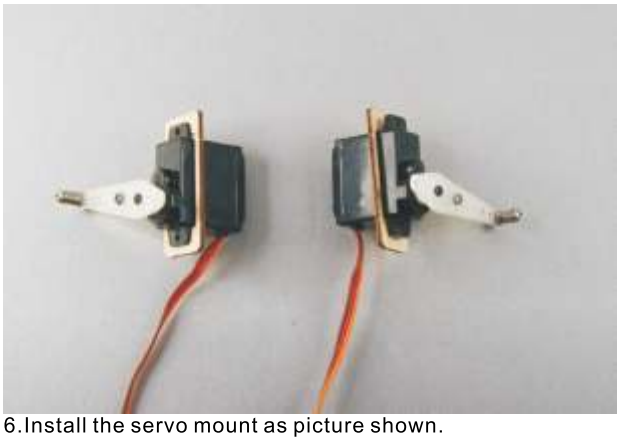
3.Fix the servo extension arm onto the servo arm with screw .



4.Install the pushrod connector onto the extension arm .



5.Fix the servo arm by using the servo package which included.

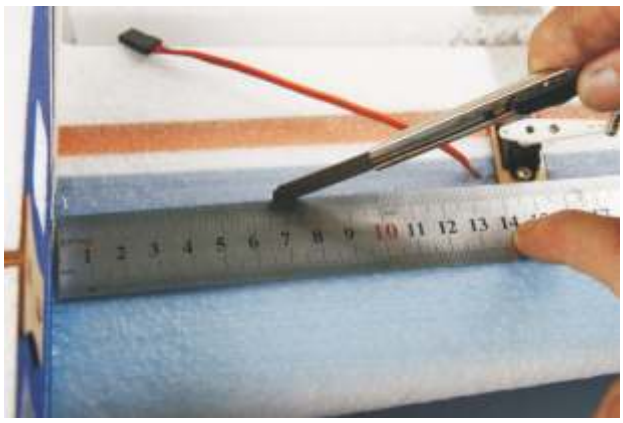


6.Install the servo mount as picture shown.

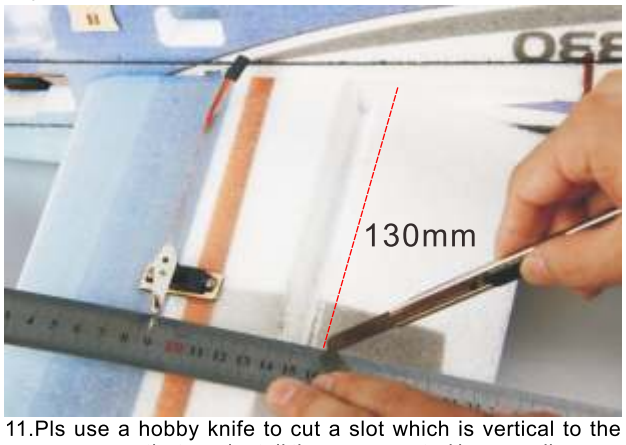
7.Put the servo into the pre-cut servo hole, then use glue to fix the servo mount onto the wing. Make sure the servo arm point to the wingtip.

8.And fix the servos onto the plywood servo mount with included screws.

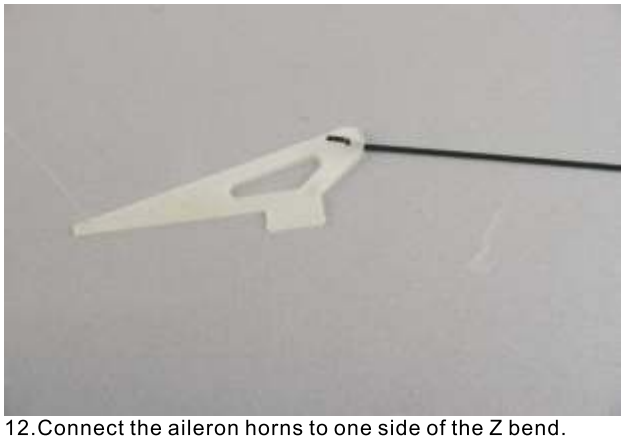
9.Use the same method to install the aileron servos.



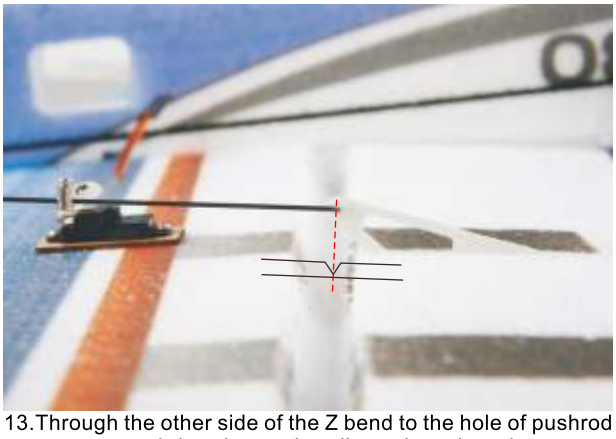
10.Use knife to cut slots on wing, then embed aileron servo leads as picture shown.



11.Pls use a hobby knife to cut a slot which is vertical to the servo arm , so that can install the servo control horn easily .

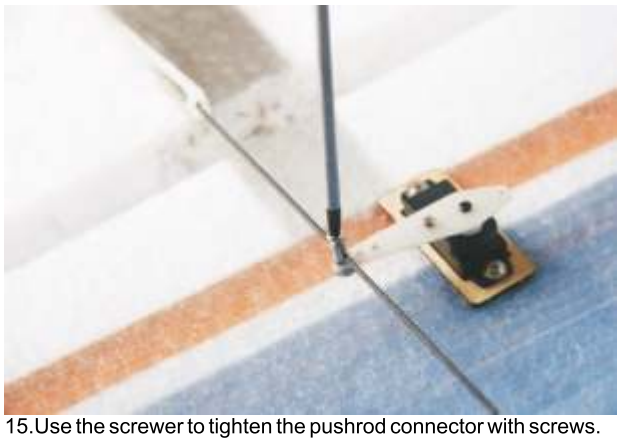


12.Connect the aileron horns to one side of the Z bend.

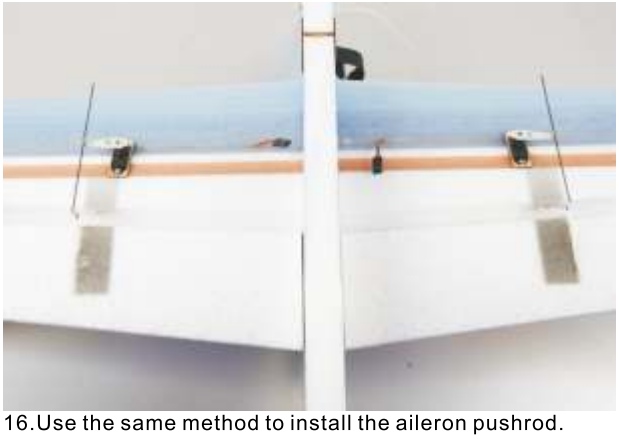


13.Through the other side of the Z bend to the hole of pushrod connector , and then insert the aileron horn into the pre-cut slot.

14.Glue the control horn by using the CA .

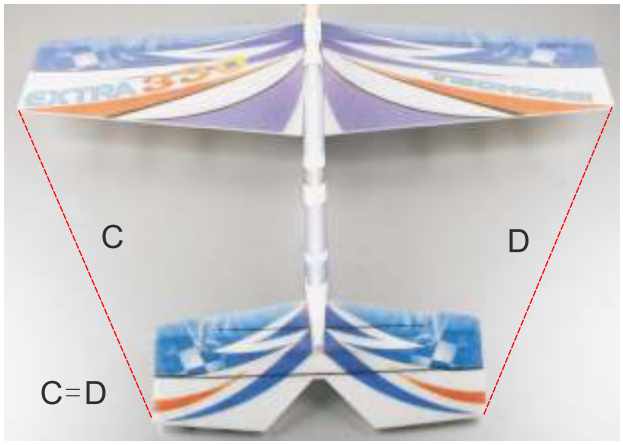


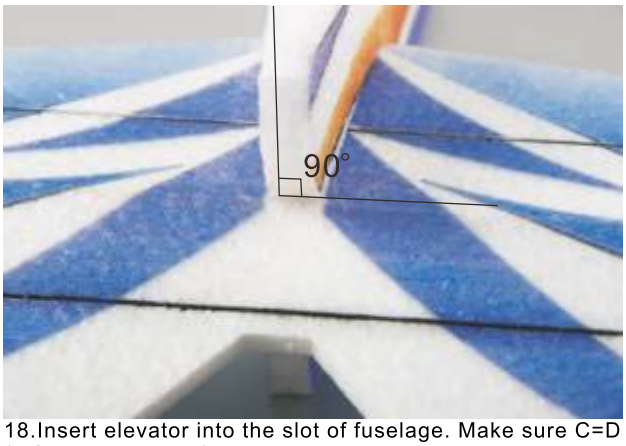
15.Use the screwer to tighten the pushrod connector with screws.



16.Use the same method to install the aileron pushrod.

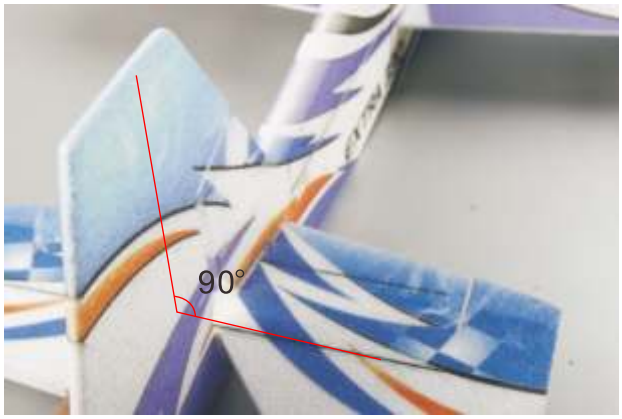
17.Use the pinchers to cut off the superfluous steel wire.



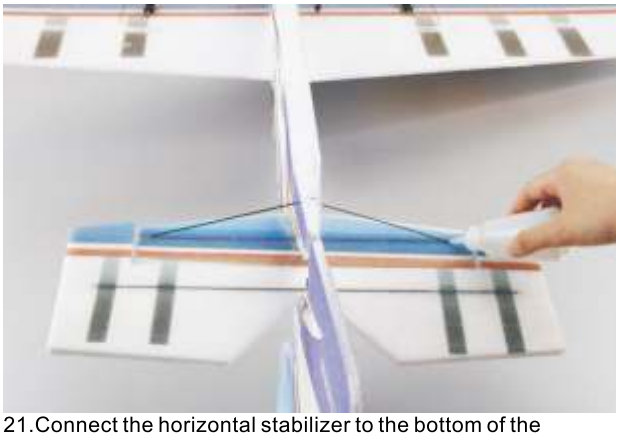


18.Insert elevator into the slot of fuselage. Make sure C=D (refer to the picture).

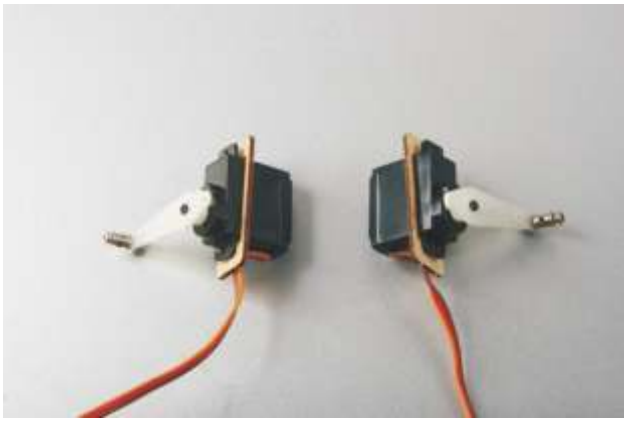
19.Drop some glue on the joints of elevator and fuselage to fix.

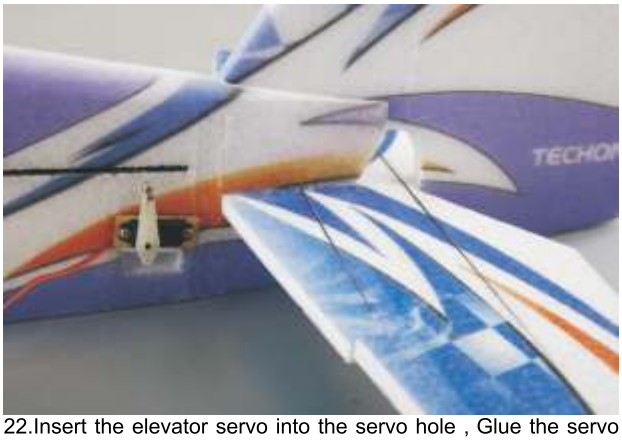


20.Use CA to fix the rudder.

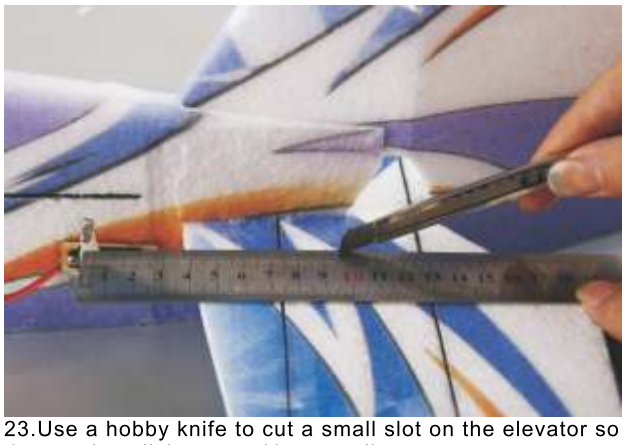


21.Connect the horizontal stabilizer to the bottom of the fuselage by using 2pcs 1.3*190mm stab brace carbon rods, and then reinforce the rods by using CA , pls make sure the horizontal Stab is vertical the fuselage when you connect.

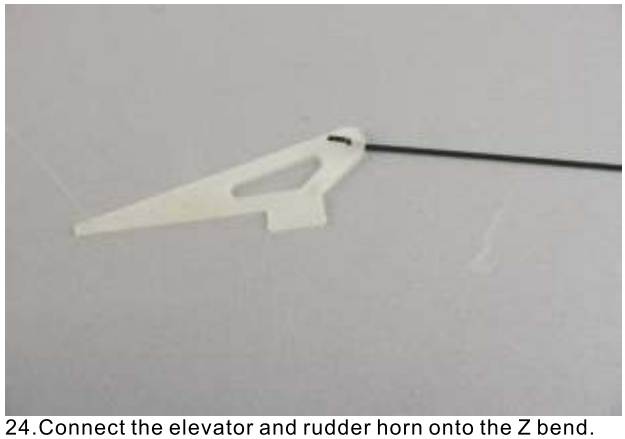




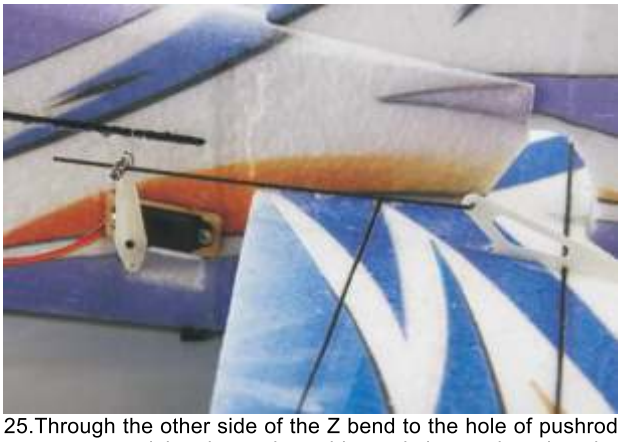
22.Insert the elevator servo into the servo hole , Glue the servo .And fix the servos onto the plywood servo mount with included screws.



23.Use a hobby knife to cut a small slot on the elevator so that can install the control horn easily.



24.Connect the elevator and rudder horn onto the Z bend.



25.Through the other side of the Z bend to the hole of pushrod connector , and then insert the rudder and elevator horn into the pre-cut slot.

26.Glue the control horn

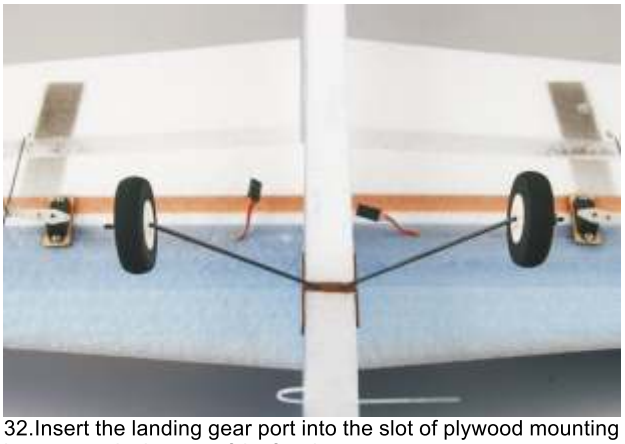
27.Use screwer to tighten the pushrod connector with the screws.

28.Use the pinchers to cut off the superfluous steel wire.

29.Use the same method of installing the elevator pushrod to install the rudder pushrod.

30.Embed the rudder and elevator servo leads into the pre-cut slots on two sides of fuselage.
Pls use the servo extention wire if the servo wire is not long enough.

31.Install the wheel covers on the landing gears.



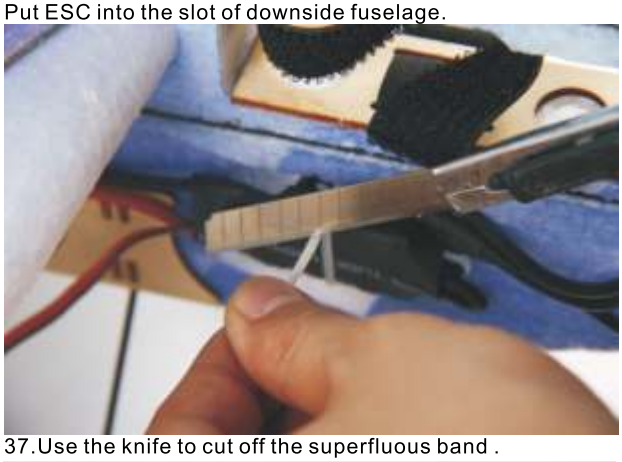
32.Insert the landing gear port into the slot of plywood mounting brace onto the bottom of the fuselage.

33.Use a knife to cut a slot under the fuselage .

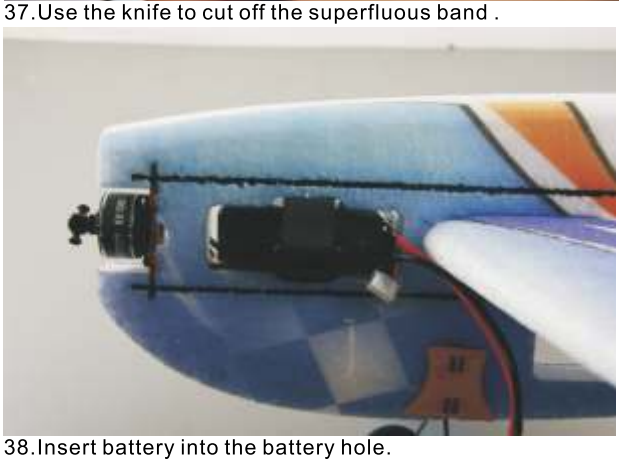
34.Glue the tail wheel set into the fuselage slot .

35.Use included screws to fix the motor onto the motor mount.

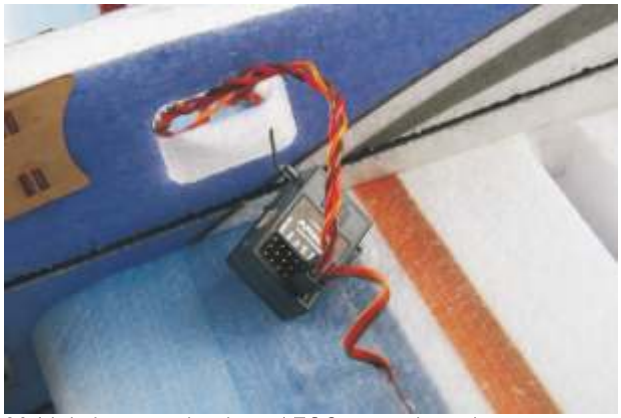
36.Connect motor and ESC, then adjust to correct motor running direction before flying.
Put ESC into the slot of downside fuselage.



37.Use the knife to cut off the superfluous band .



38.Insert battery into the battery hole.



39.Link the servo leads and ESC to receiver, then test.

40.After test, put the receiver into the receiver slot. (see picture)

41.Fix the propeller

A perfect extra 330 3D-EPP 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.