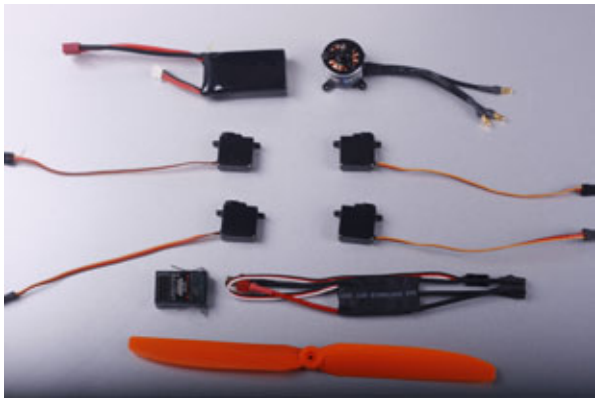
EPP-YAK55
INSTRUCTIONS

Features:
EPP-YAK55 is super aerobatic model for 3D aerobatic flying. Model is produced by modern technology on CNC machines from EPP "almost unbreakable" material.
The flying time of EPP-YAK55 is between 8 to 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. It is very easy to land with the model, you are able to do it into your hand if you want like with handlaunch glider.
The wing is dismountable and easy to carry.

Product Specifications



Fuselage length: 1080mm (42.5in.)
Wingspan: 1096mm (43.1in.)
Flying Weight:690--760g (with battery)
Motor: 2216 KV 1250 or 2220 kv 1100（70-90g brushless motor)
ESC: 30-40 Amp
Propeller: 10x4.7sf or 11x4.7sf
Servo: 9-12g micro servo*4pcs
Radio: 4/more channel
Battery: 11.1V 1300-1800mAh Li-po 25C

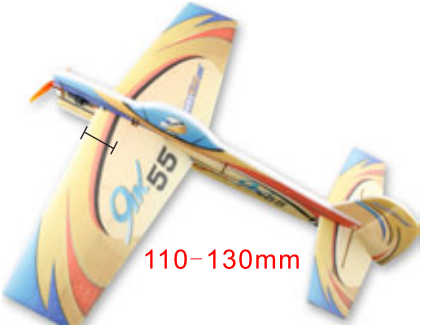
Do not fly under the conditions below
Wind strong enough to make the trees rustle
A street with many trees or street lamps
Close to high voltage electrical wires
High Population density areas

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!

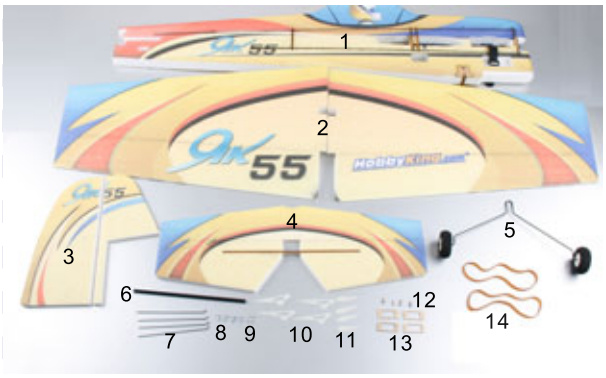
Note for Storage
Please disconnect the lipo packs when finished flying
Do not press or crush the airplane when storing
The best way to store is to hang the airplane to keep the control surface rigid

Recommended Flying Setup
Max servo travel of aileron: 35 degrees up and 35degrees down（50mm）
Max servo travel of elevator:55 degrees up and 55 degrees down（80mm）
Max servo travel of rudder: 50 degrees left and 50 degrees right （85mm）

CG Position:
110-130mm from the leading edge of the wing,.

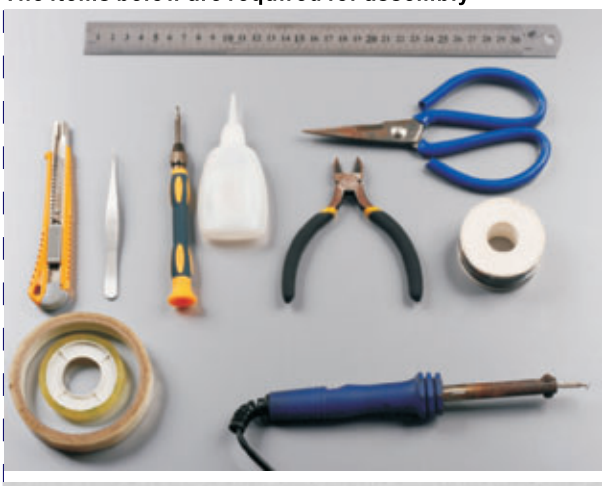


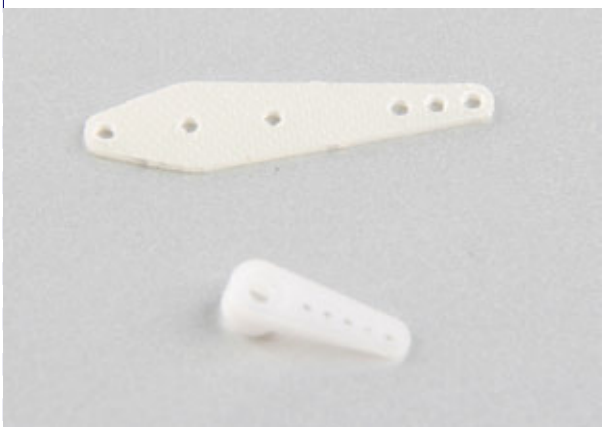
Parts included in the packing

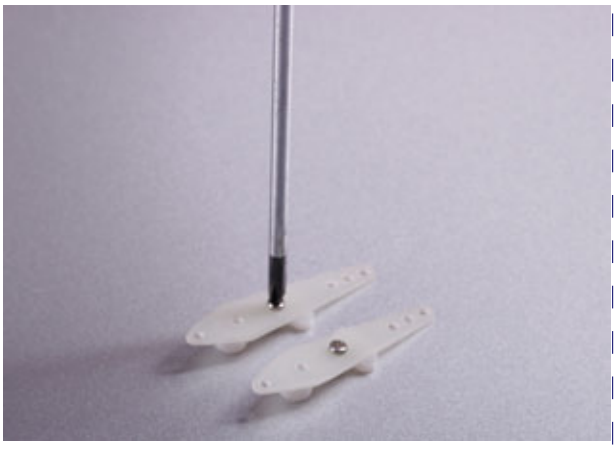


1	Fuselage	1pcs
2	Wing with aileron (right and left)	2pcs
3	Rudder(vertical tail)	1pcs
4	Elevator (stabilizer)	1pcs
5	Landing gear+wheel+ Wheel pants	1pcs
6	connecting carbon rod of the wing	1pcs
7	Z -Bend 1.2 mm *200mm	4pcs
8	Screw 3*10	4 pcs
9	Screw 2*3	4 pcs
10	control horn	4pcs
11	Extension arm	4pcs
12	Pushrod connector	4pcs
13	Plywood control horn	4pcs
14	Rubber band	2pcs

The items below are required for assembly

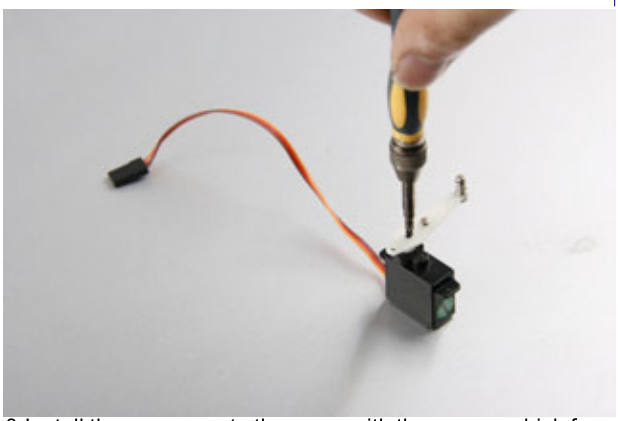




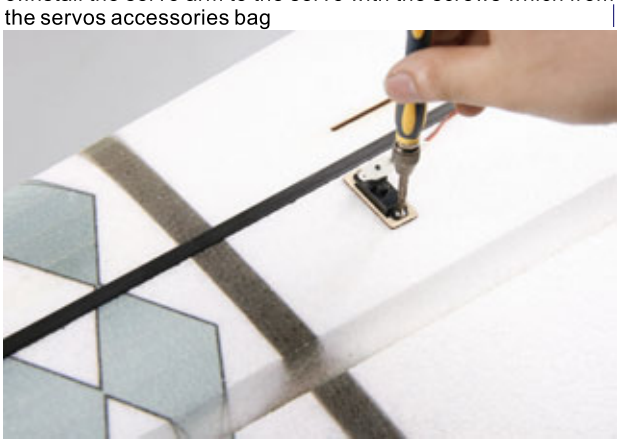


1.Fix the servo extension arm onto the servo arm with screw .

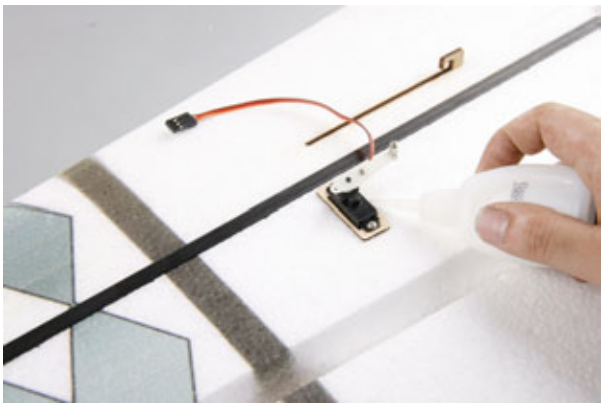
2.Install the pushrod connector onto the extension arm .



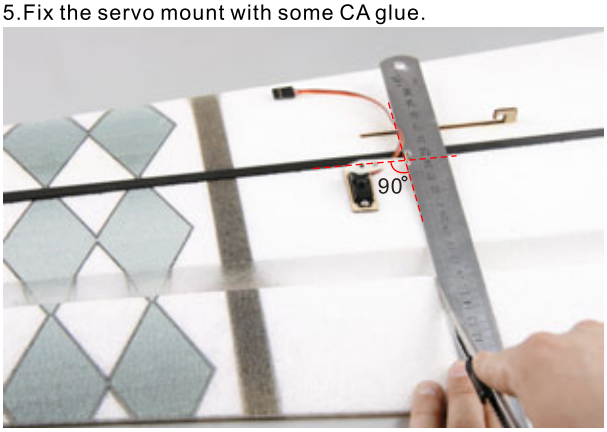
3.Install the servo arm to the servo with the screws which from the servos accessories bag



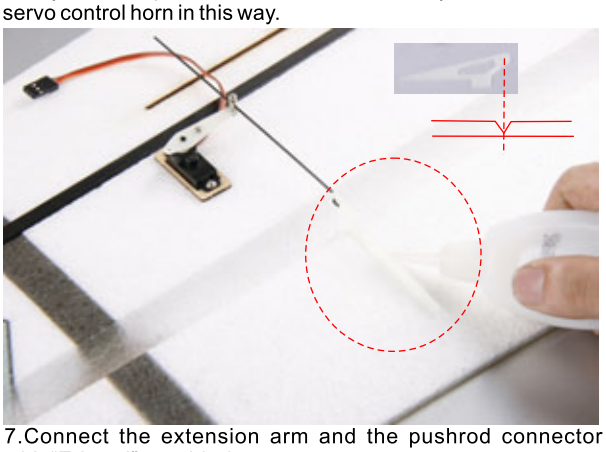
4.Insert the aileron servo and servo mount to the pre-cut servo slot
Pls pay more attention the servo wires when you fix the servo .



5.Fix the servo mount with some CA glue.



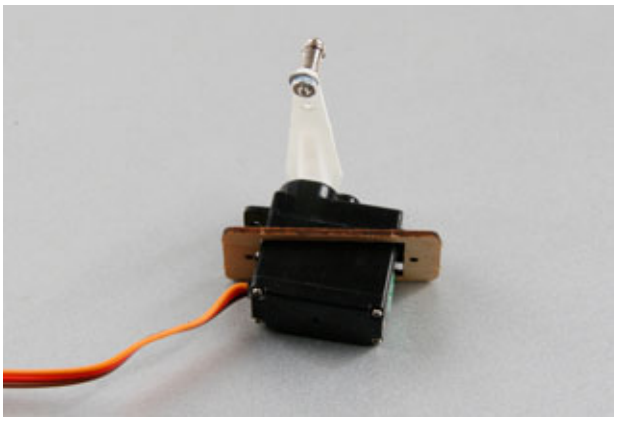
6.Cut a slot which is perpendicular to the servo arm with a hobby knife as picture shown. It's easier for you to install the servo control horn in this way.



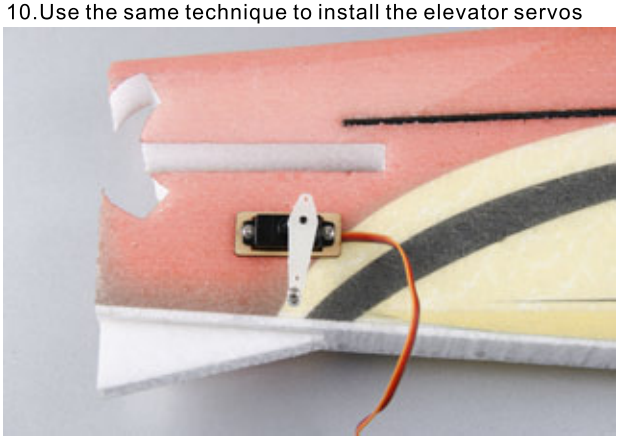
7.Connect the extension arm and the pushrod connector with "Z-bend" provided.
Glue the control horn by using the CA .

8.Cut off the excess steel wire with pliers

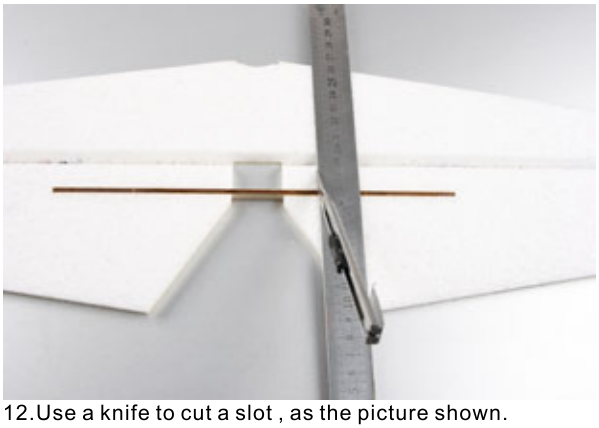
9.Use the same technique to Install the servos and horns on the both ailerons



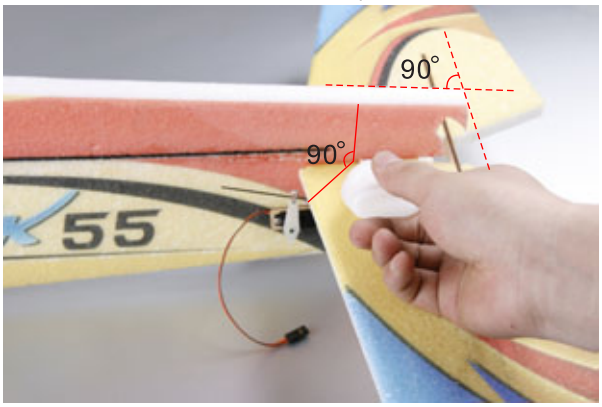
10.Use the same technique to install the elevator servos



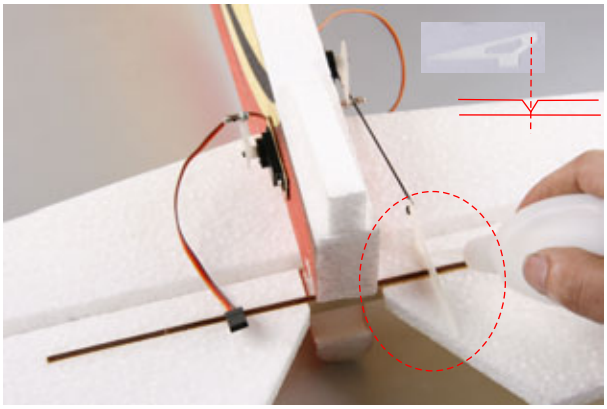
11.Install the rudder servo in the same way.



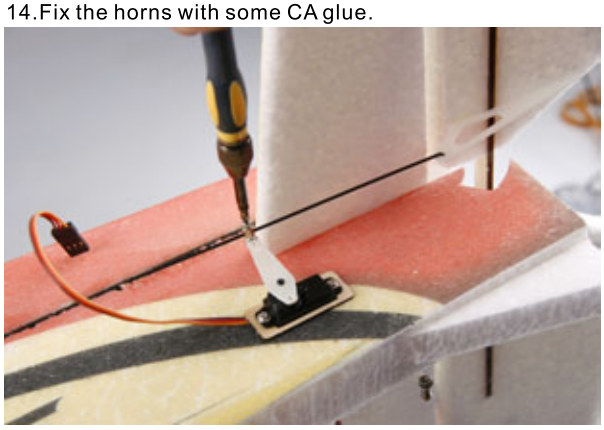
12.Use a knife to cut a slot , as the picture shown.



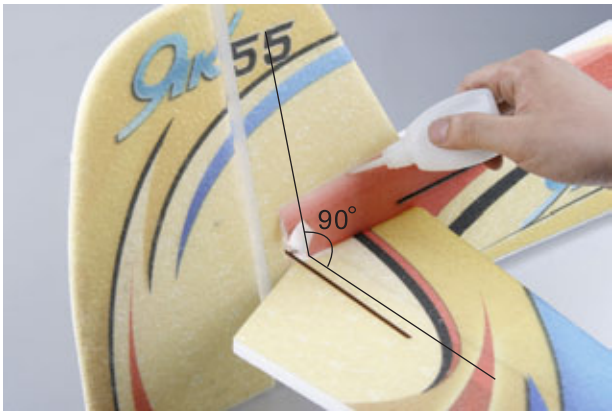
13.Insert the horizontal stabilizer into the fuselage slot using CA glue.
Please make sure that the horizontal stabilizer is perpendicular to the fuselage



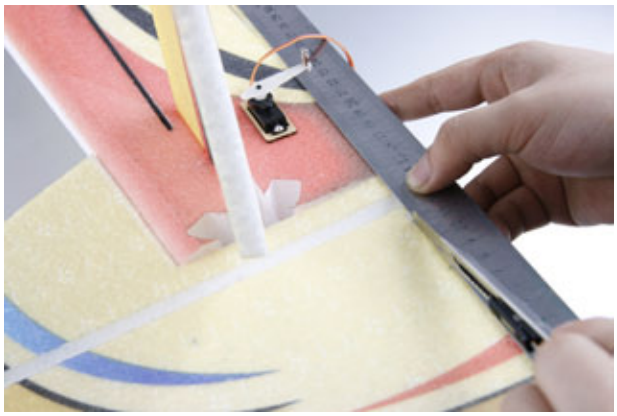
14.Fix the horns with some CA glue.

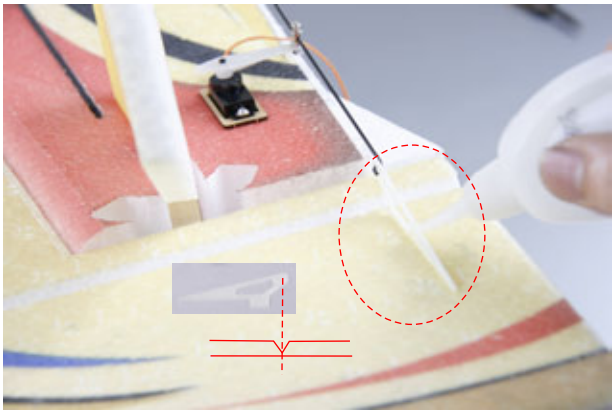


15.Tighten up the screws

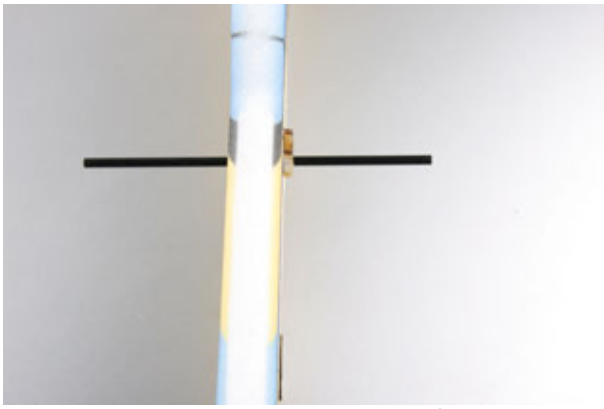


16.Install the vertical stabilizer to the fuselage. Please ensure that it's perpendicular to the horizontal stabilizer.



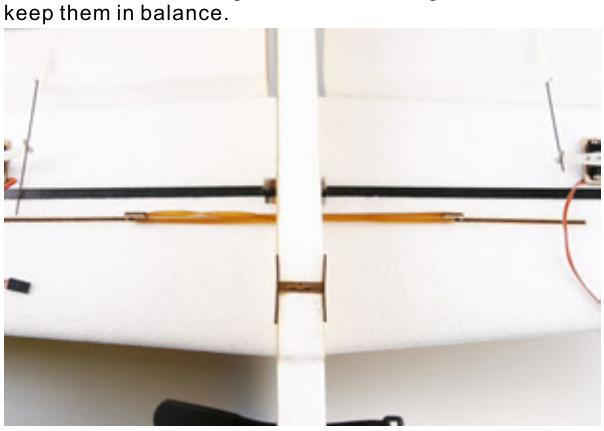


17.Use the same technique to install the horns and pushrod of elevator servo.

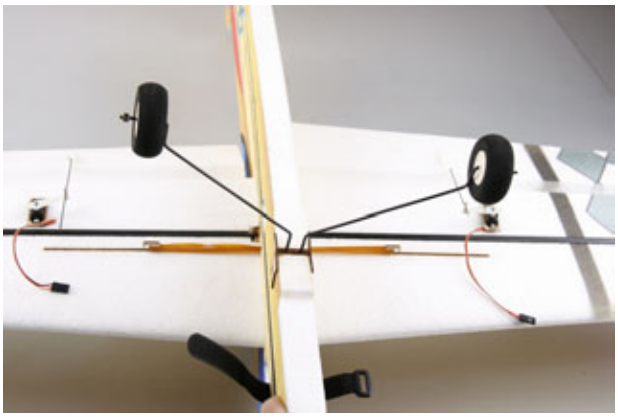


18.Insert the the connecting carbon rod of the wing to the hole of the fuselage. And ensure the both sides are equal and balance.

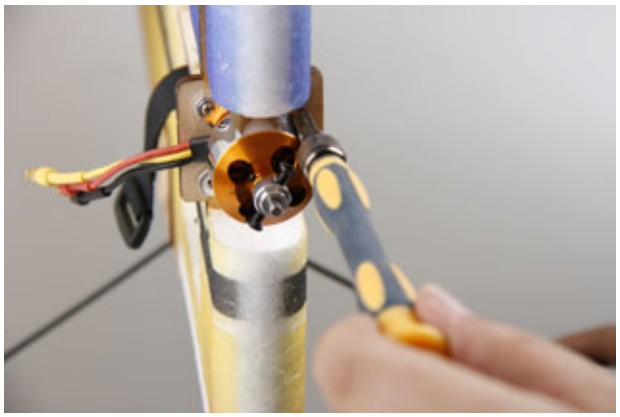
19.Install the both wings to the connecting carbon rod and keep them in balance.



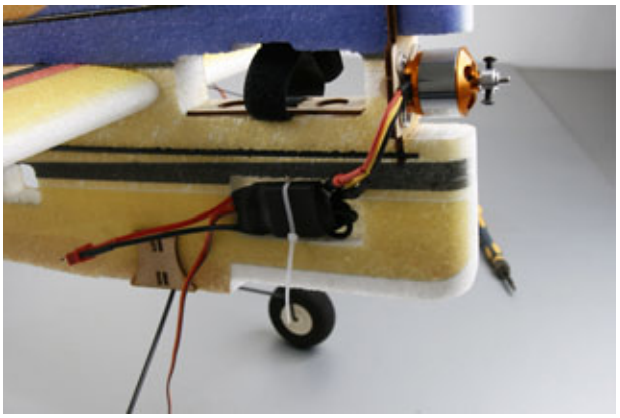
20.Connect the two sides of wings with two rubber bands as picture shown. You can take off two wings when you finish the flight. It's easy for you to carry.



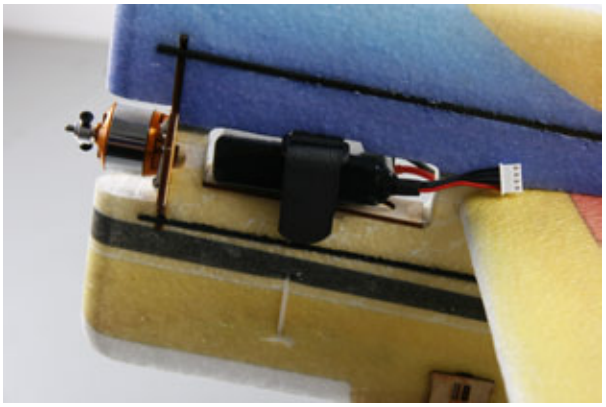
21.Install the landing gear provided to the belly of the fuselage.



22.Install the motor into the motor mount ,and then tighten them by using 4pcs screws.

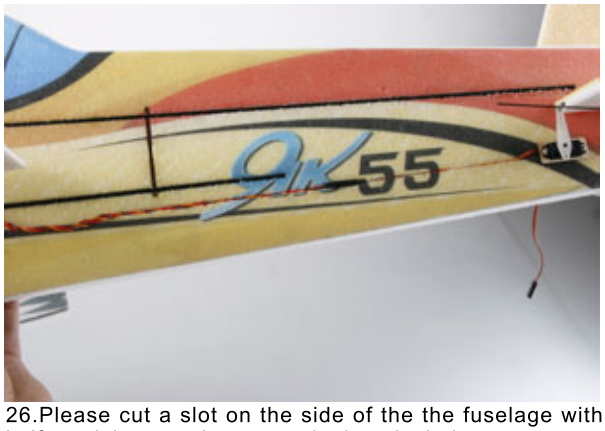


23.Install the ESC on the right of the fuselage hole , and then tighten them with the band. .
Use the knife to cut off the excess band .

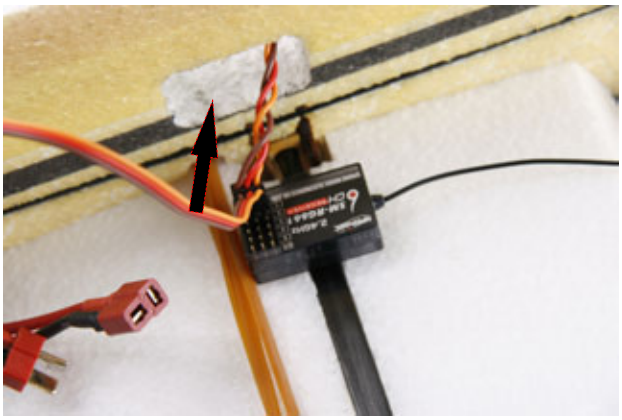


24.Install the lipo battery pack ,and then fix them with velcro.

25.You can use the servo extension cord when the servo wires isn't long enough



26.Please cut a slot on the side of the the fuselage with knife and then put the servo wire into the hole.



27.Connect the servo and ESC plug to the Receiver , and then test , finally install the receiver into the hole which showed on the picture.

28.Fix the propeller to the motor with "O" ring as picture shown. You can choose different motor and fix it with propeller spinner.

A perfect YAK55 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.

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