CESSNA-152 Assembly Guide

Thanks for buying Hunter Cessna-152 training airplane, please read this guide carefully to understand correctly the assembly procedure before assembling, wish you have a fun fly!

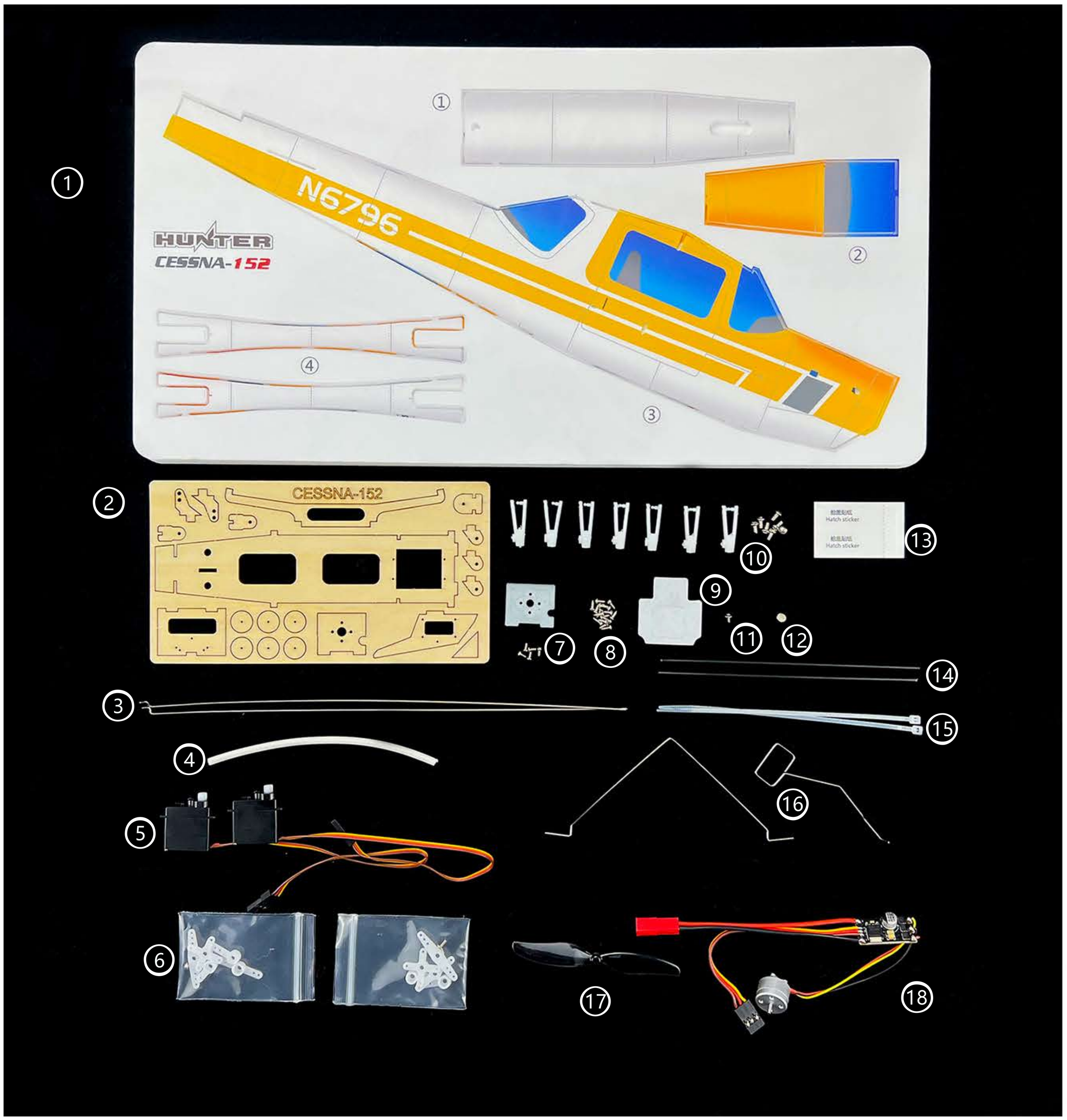
Product Name: Cessna-152
Dimension: L420mm/H150mm/Wingspan600mm
Motor: Brushless 1104 / 4500KV
ESC: 12A
Battery: 220mah 7.4V Lipo (13~25g)
Servo: 4.3G x 2
Propeller: 75mm
Weight(PNP): 65g
Weight(take-off): 80g
Package size: 370mm x 210mm x 60mm/ ARF 500mm x 210mm x 70mm

Feature:
This products are producing by MPP magic board, UV print and laser cutting. With gorgeous workmanship and exquisite appearance, this incredible creative RC plane machine is made of lightweight and super durable material, tough and high strength, which is very suitable for the DIY of airplane model enthusiasts. Electronic combo comes with brushless motor and esc, providing powerful performance. We set ARF version which is coming with flight controller, self-stabilizer and manual flight mode can offer you an wonderful experience to fly!

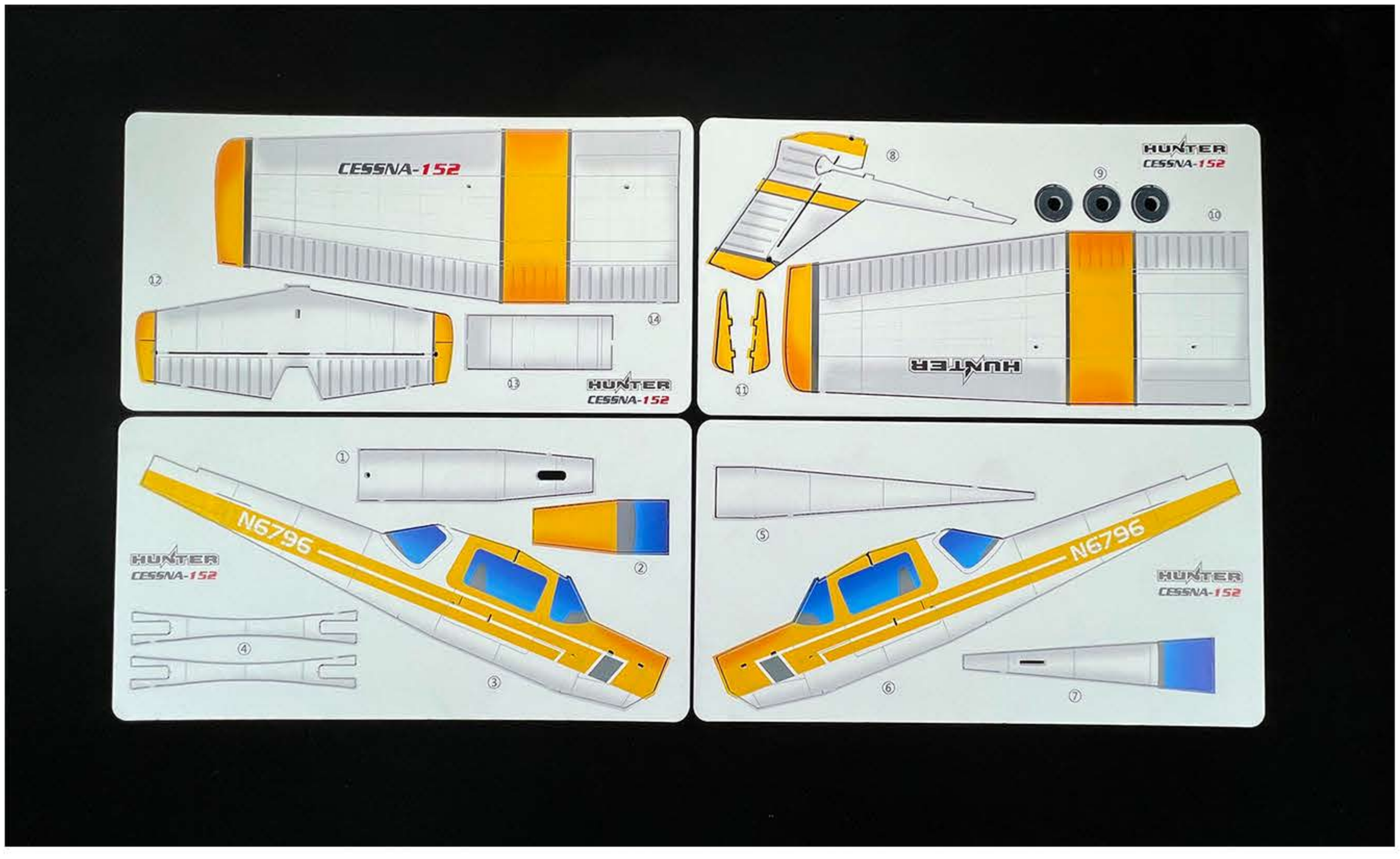
Tools Required
Sharp hobby Knife (Children under 12 years must be assisted by adult), clean towel or Non-woven Fabric(to wipe excessive glue), Phillips Screw driver, Foam glue and 502 glue

一、Assembly

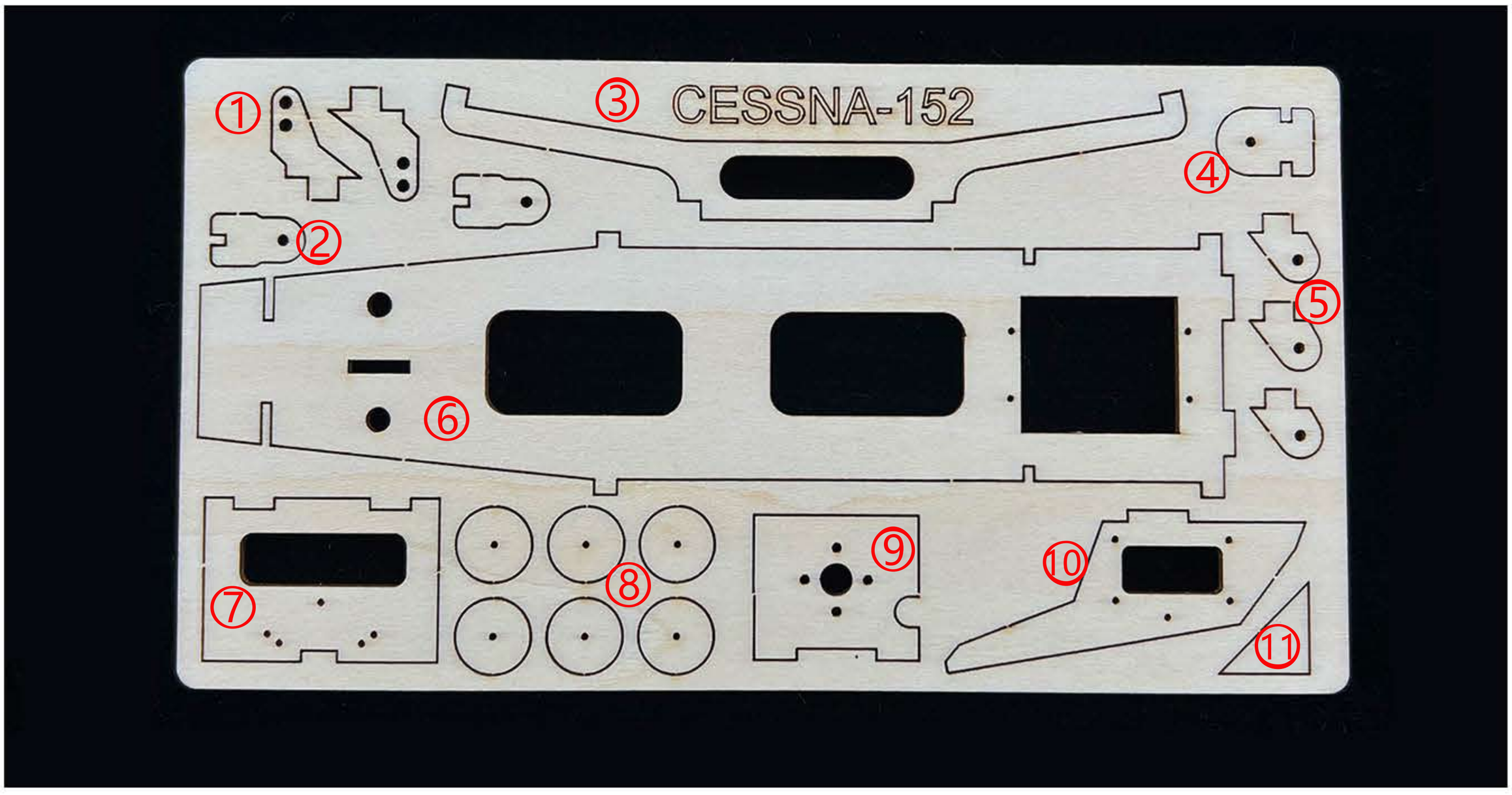
1.Packing list(As below shown) Accessories



1. PP board 2.Wooden board 3.Linkages 4.Heat shrink tube 5.Servos
6.Servo arms 7.Motor mount+screws 8.screws 9.Double-side tape
10. Nylon chuck+screws 11.Hatch screws 12.Magnet 13.Hatch decal
14.Wing brace rod 15.Nylon ties 16.Landing gear 17. Propeller
18.Motor + ESC



1.Hatch plate 2.Fuselage upper plate 3.Right frame 4.Wing brace plate
5. Tail bottom plate 6.Left frame 7.Tail upper plate 8.Vertical tail 9.Landing wheels
10.Right wing 11.Frame brace plates 12.Horizontal tail 13.Wings connecting plate
14.Left wing



1.Servo horns 2.Wing brace rod mounting plate(fuselage side) 3.Wings mounting plate
4.Hatch mounting plate 5.Wing brace rod mounting plate(wing side)
6.Electronic fixing plate 7.Rear landing gear mounting plate 8.Wheels axle
9.Motor mounting plate(optional:3D print part) 10.Front landing gear mounting plate
11.Square ruler

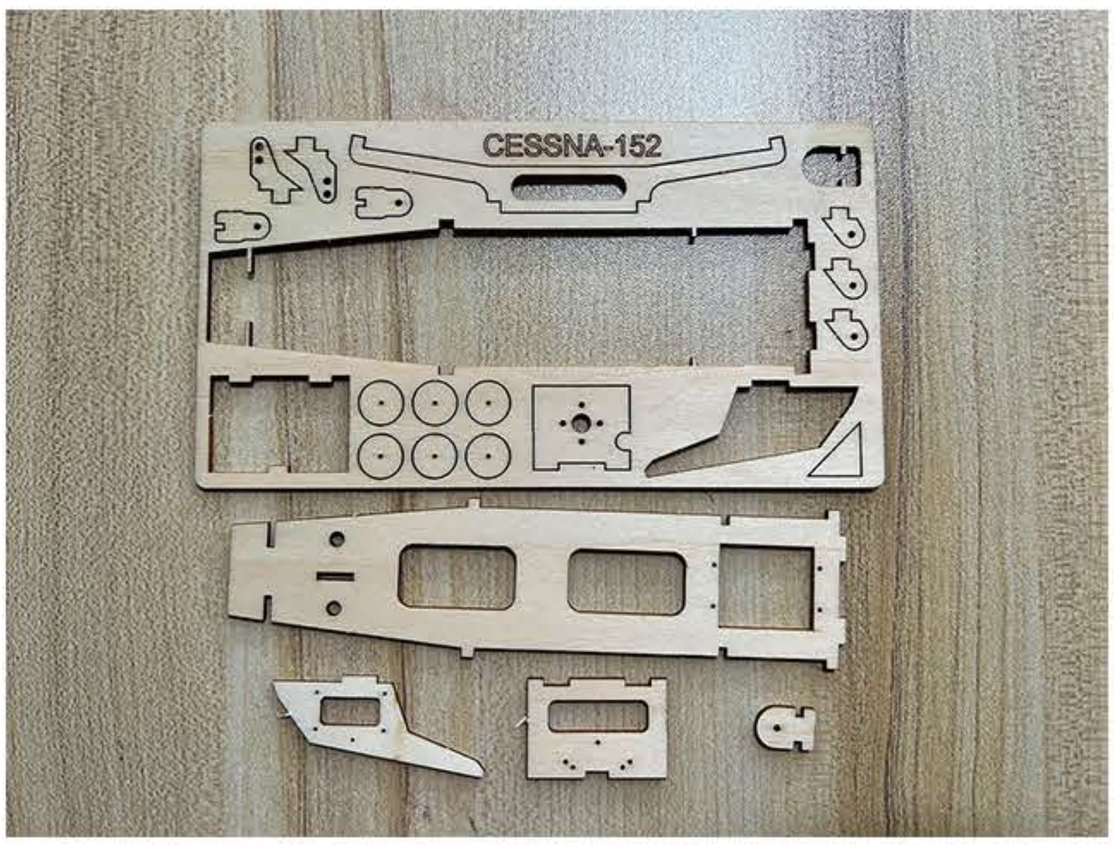
ARF version including Radio and receiver

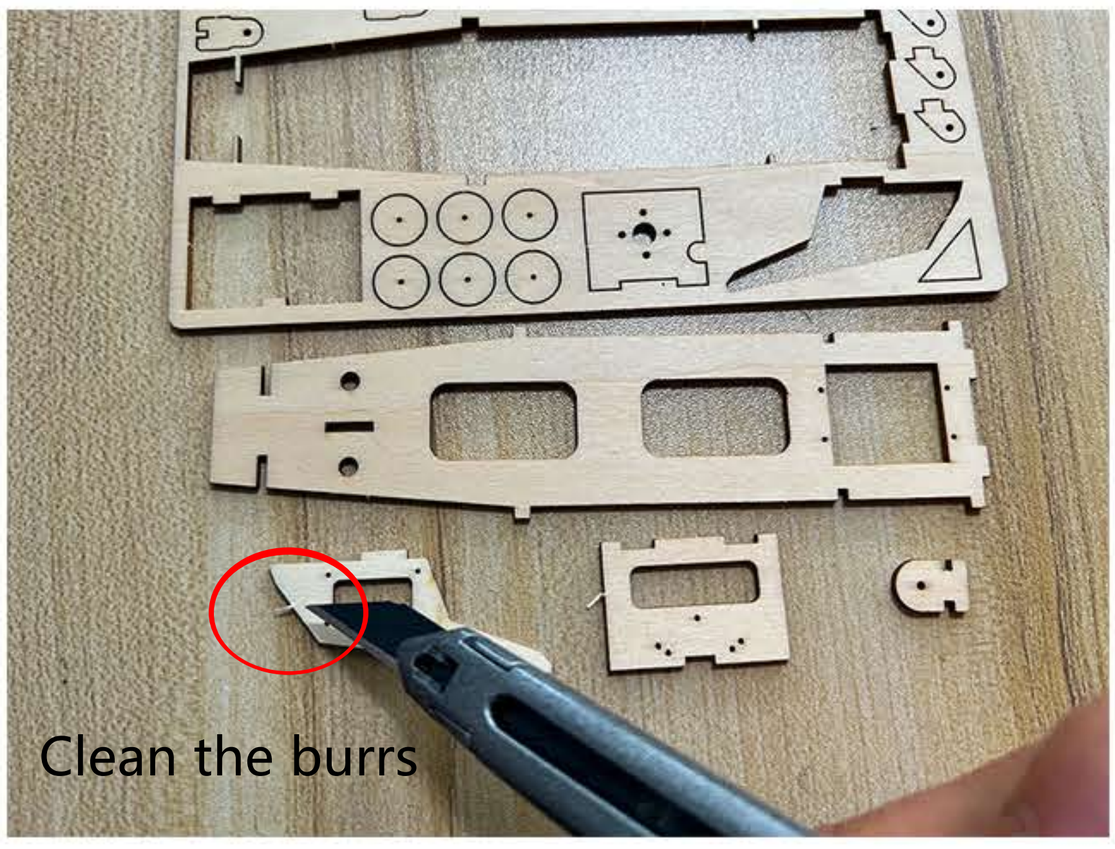
X6 radio

RX-1.0 receiver with FC

2、Fuselage inner electronics assembly

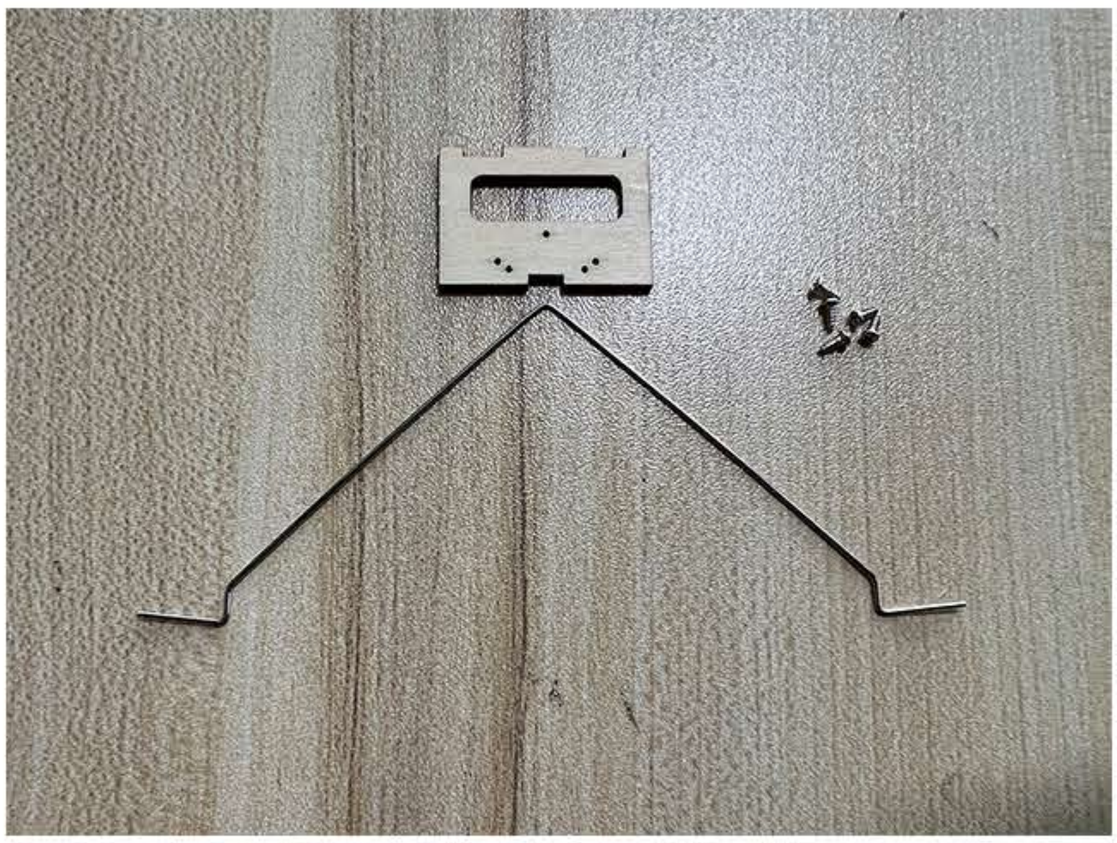
Take out the electronic fixing plate、front landing gear mounting plate、rear landing gear mounting plate and hatch mounting plate. Use the knife to fix all burrs to ensure clean and easy to bond.



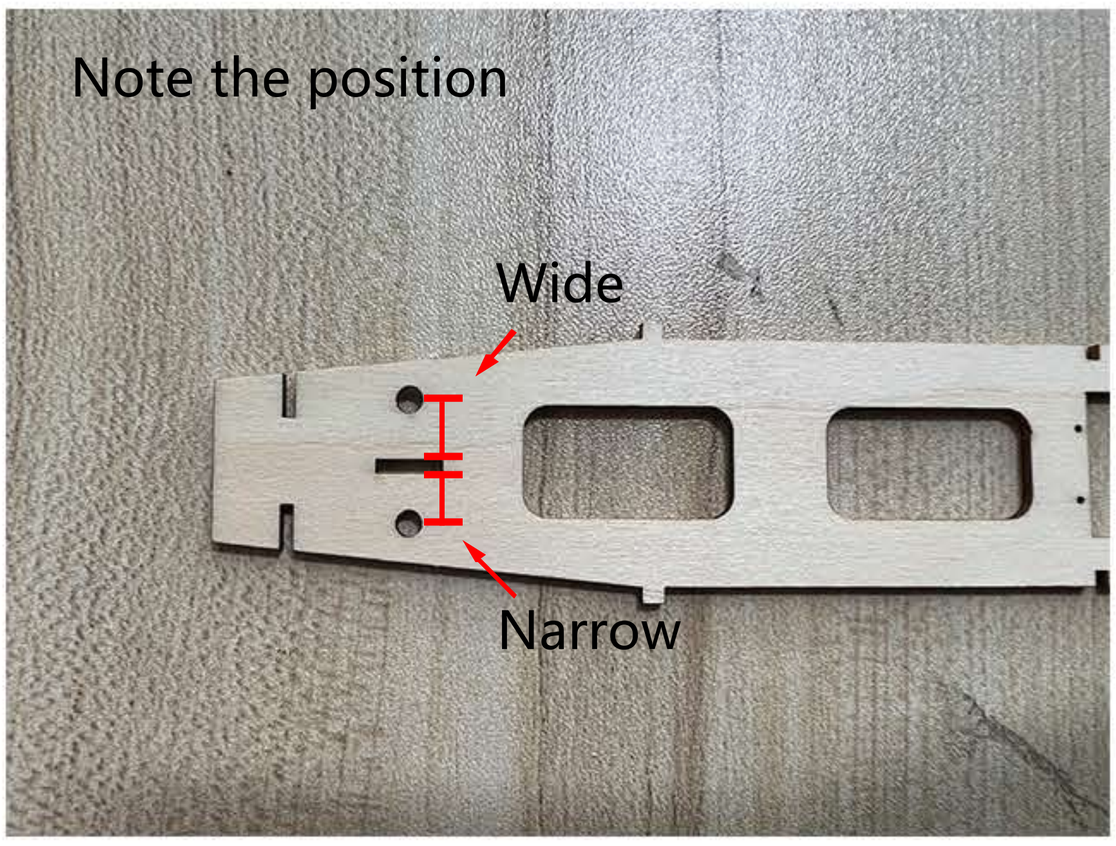


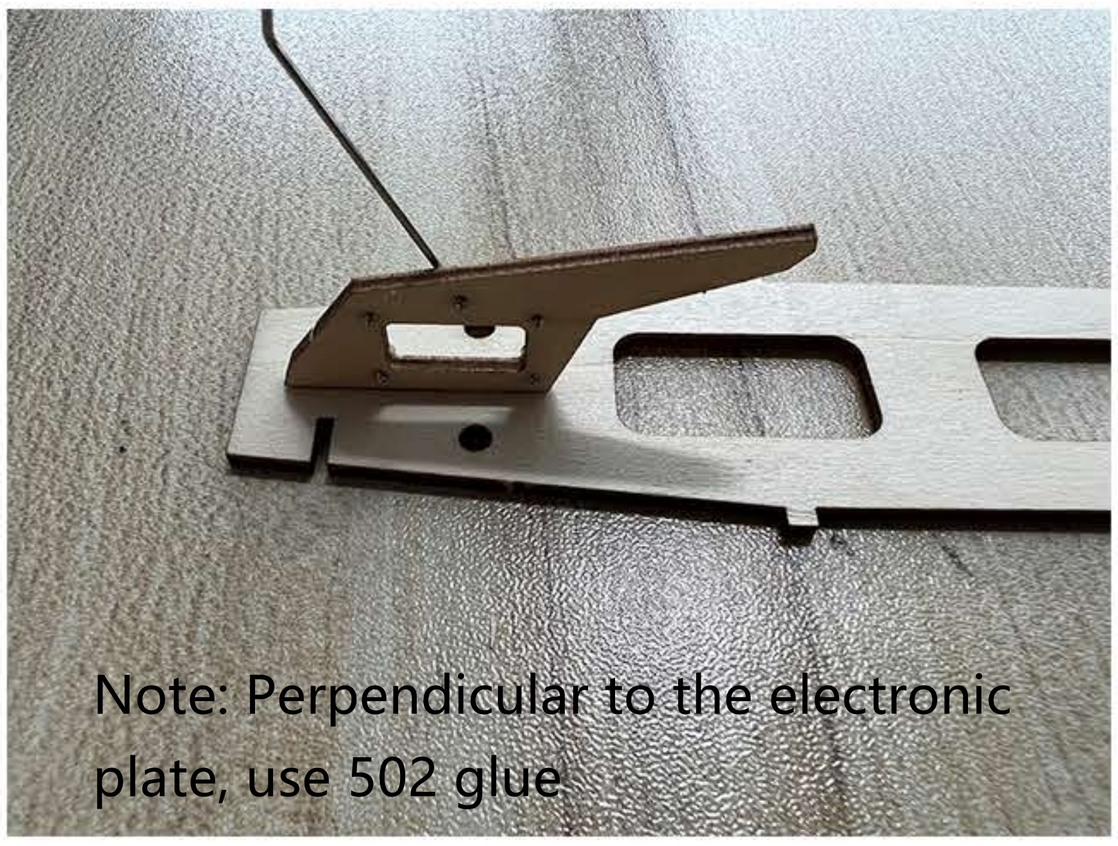
Install the front landing gear

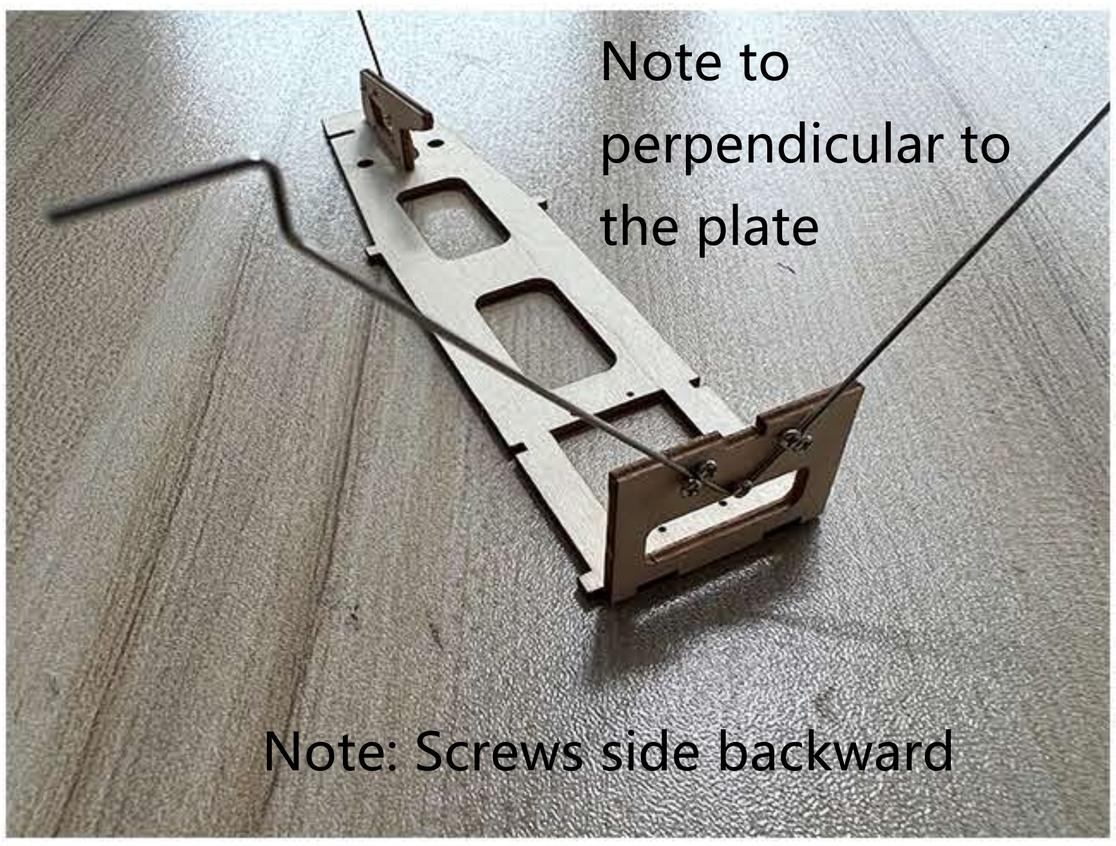
Install the rear landing gear

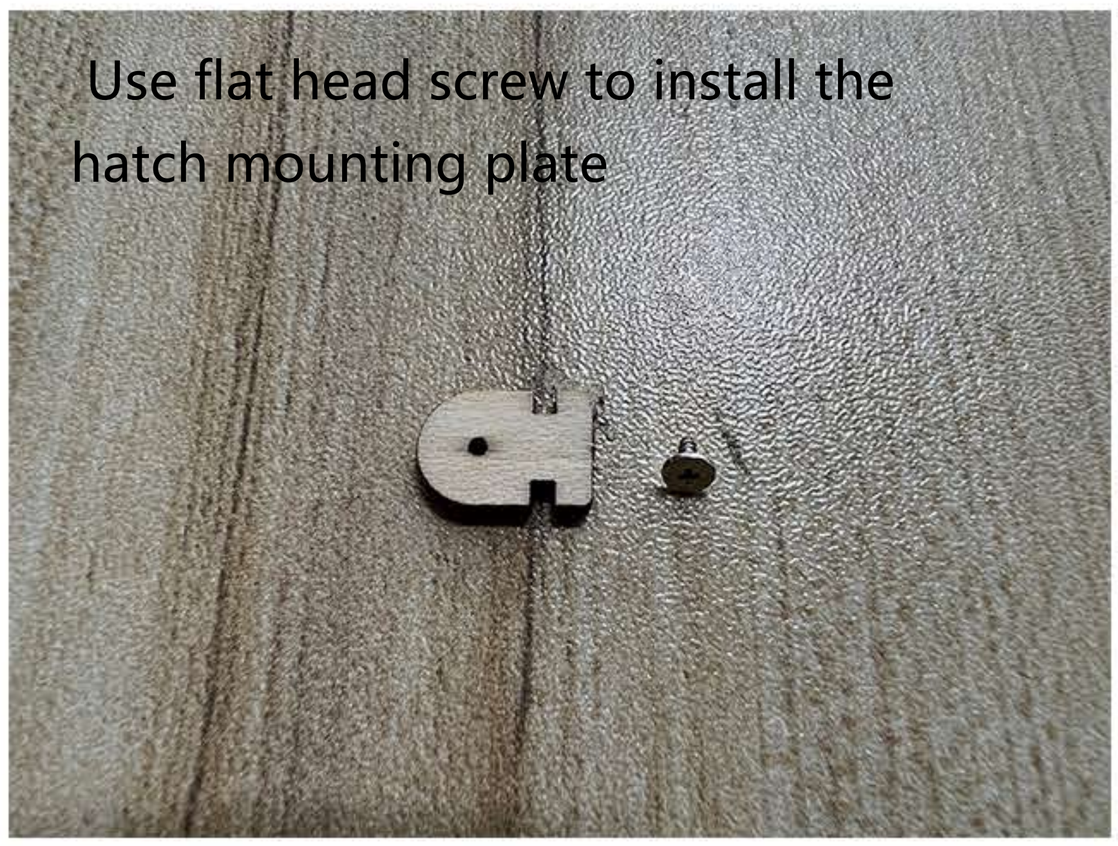


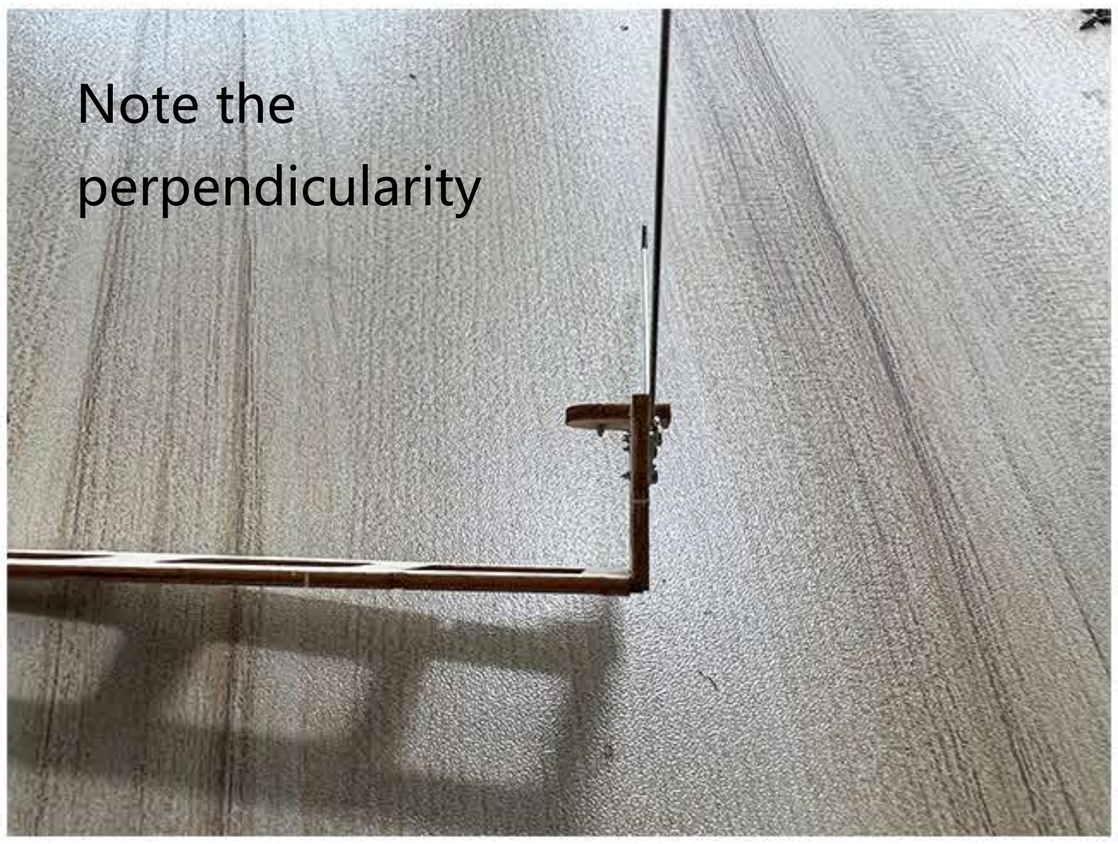
Use 502Gule to bond the front and rear landing gear mounting plate to the electronic fixing plate.

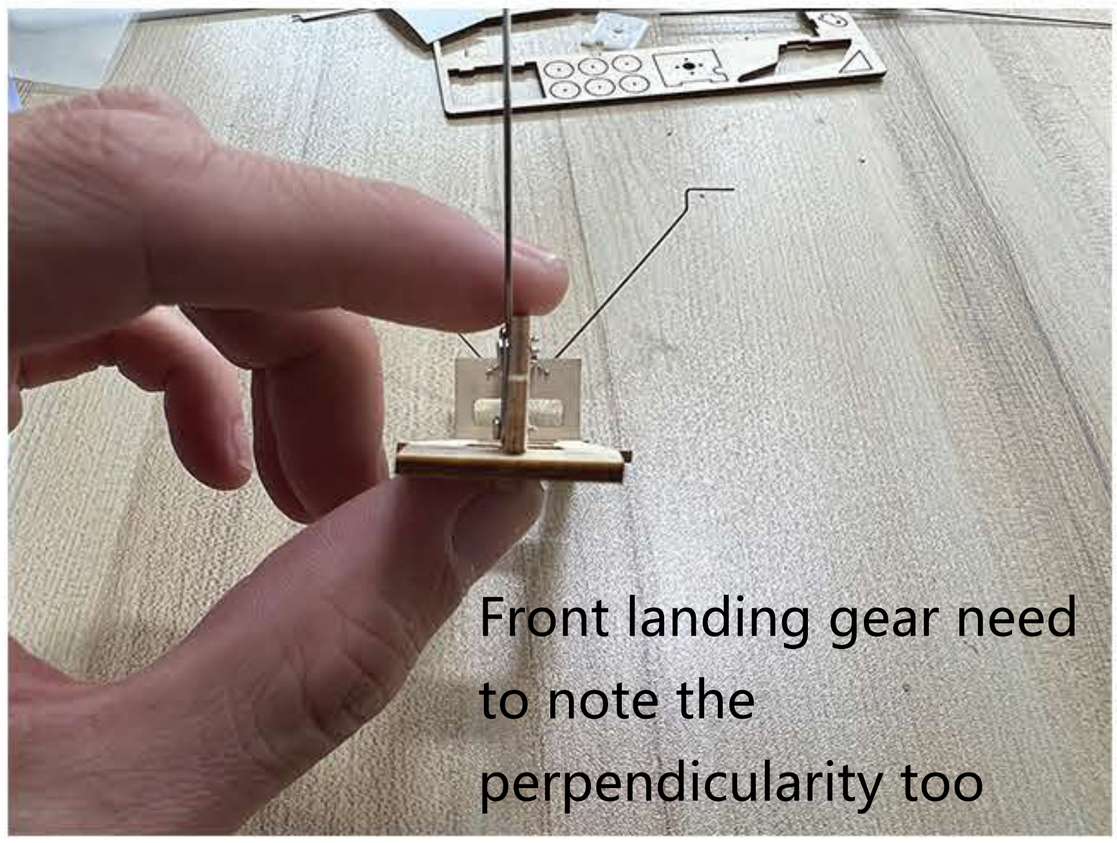


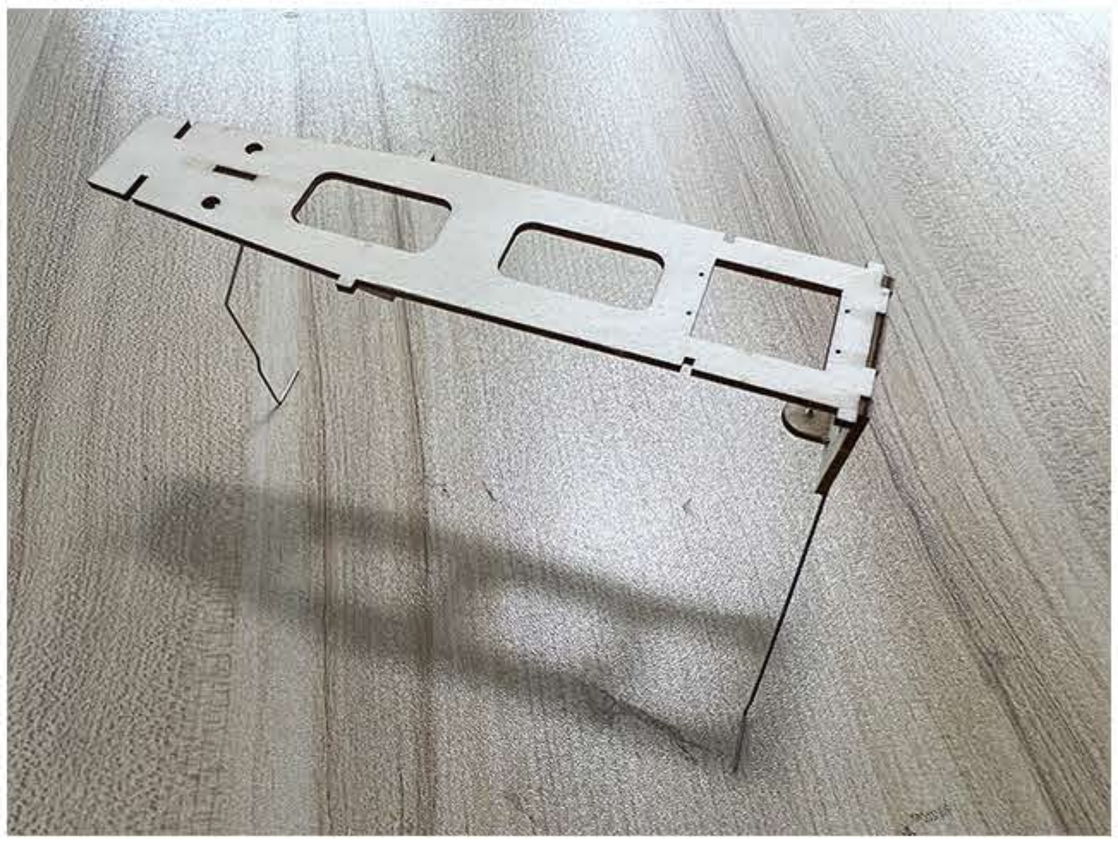






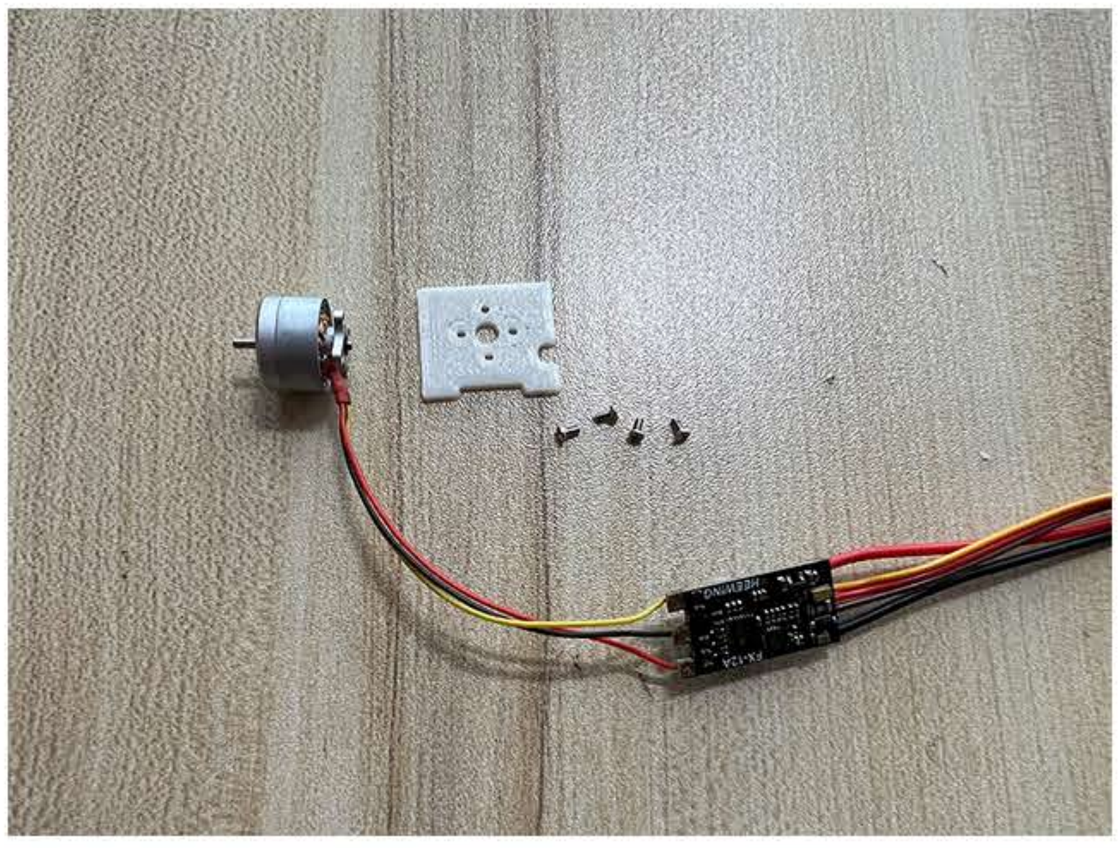


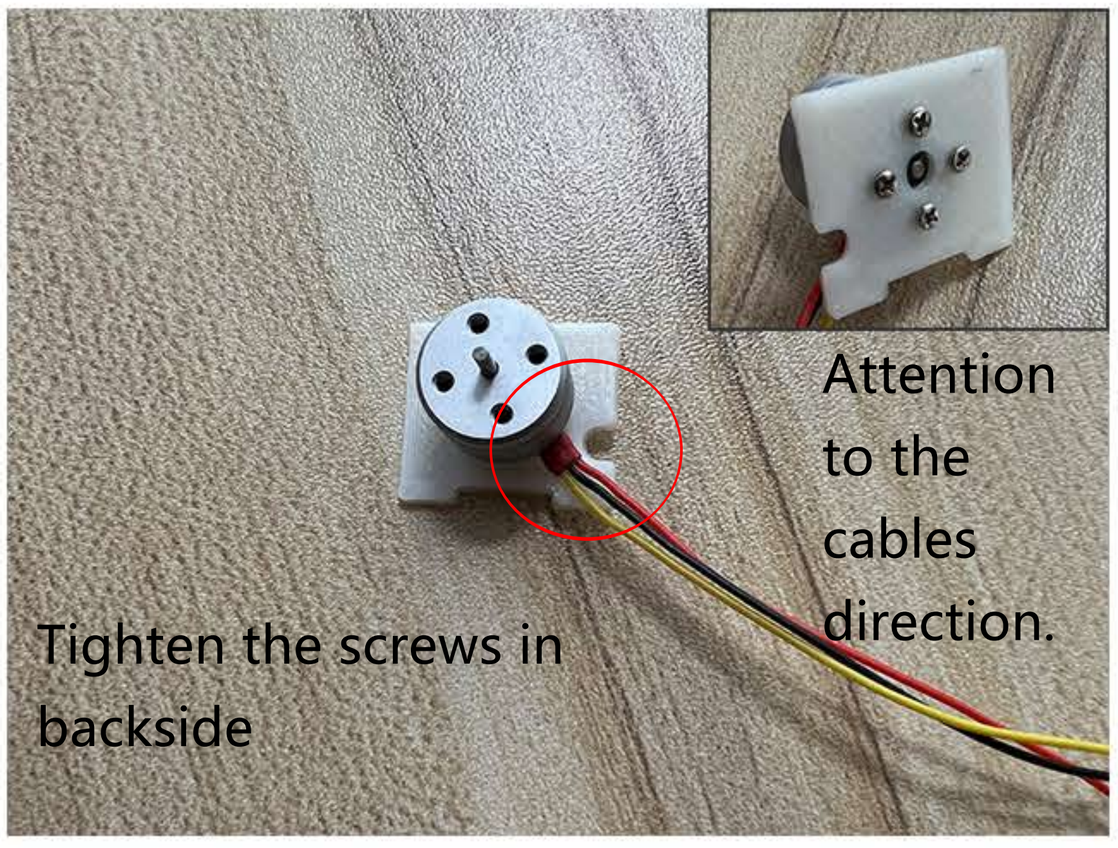


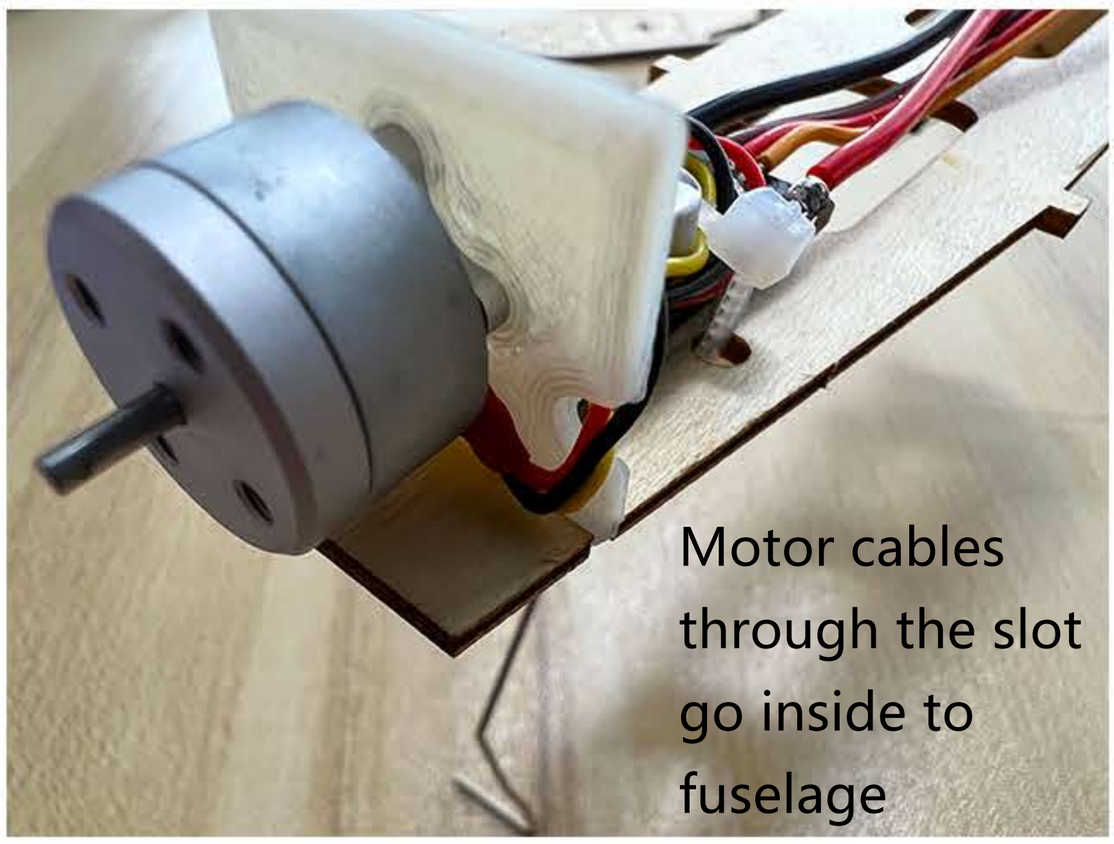


Install the Motor

Find out the Motor、ESC、3D print motor mounting base and 1.4*3 screws. Install as below picture shown

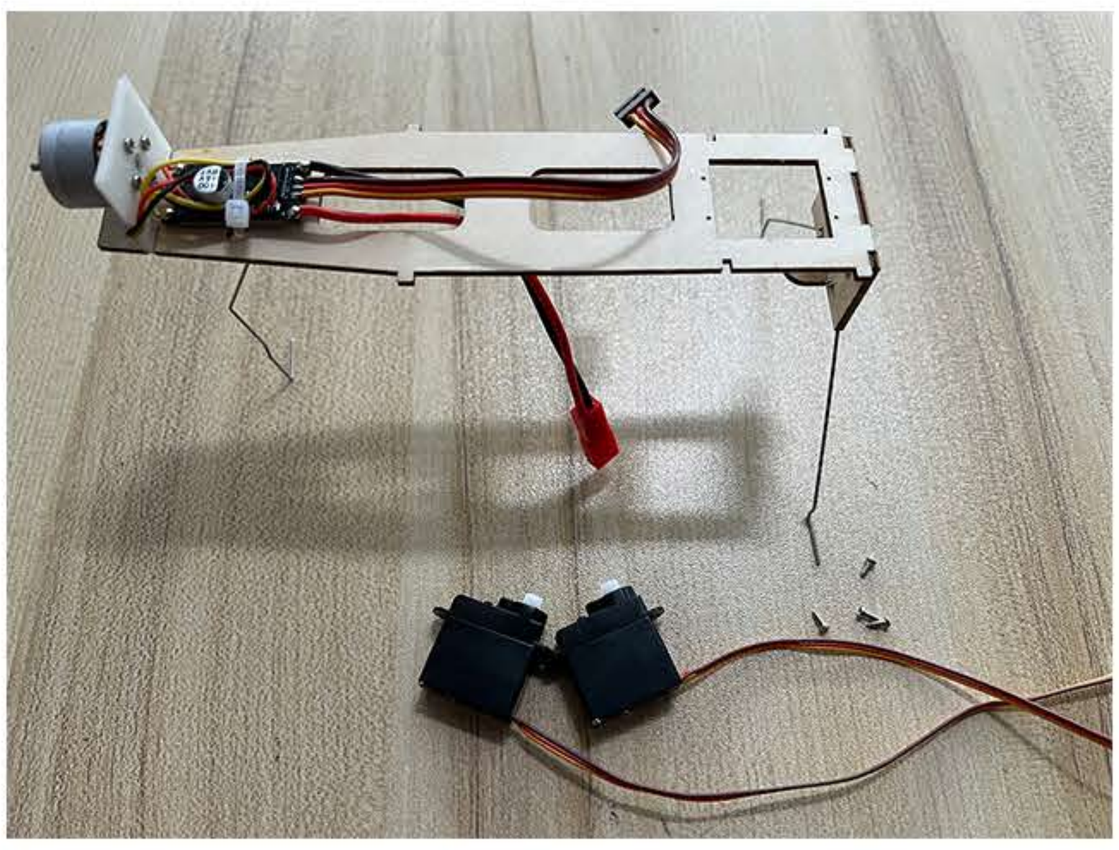


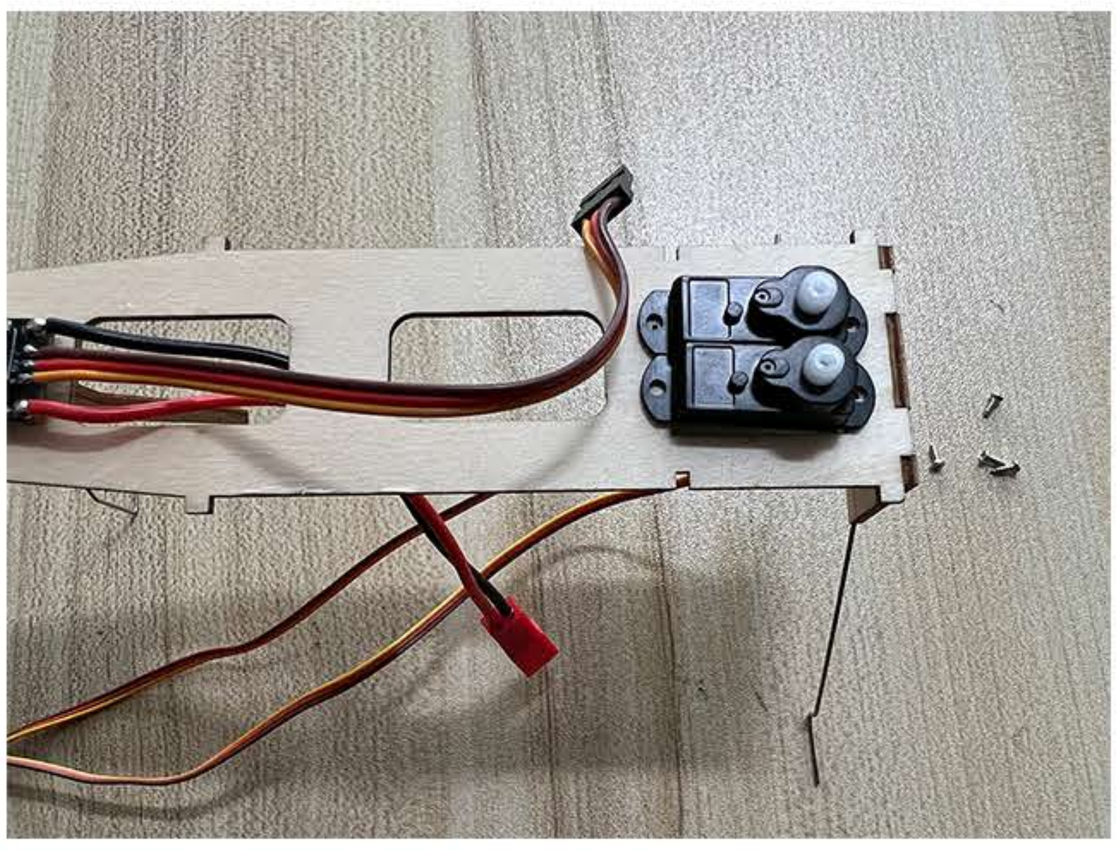


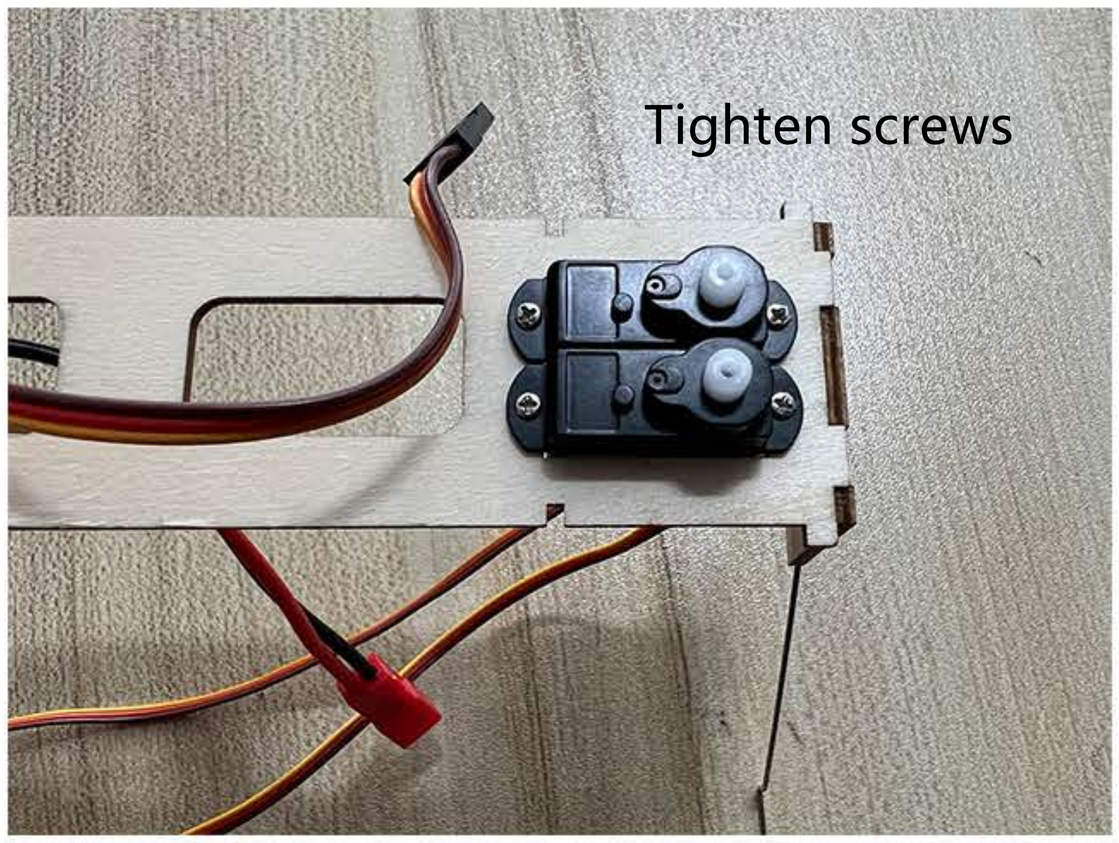


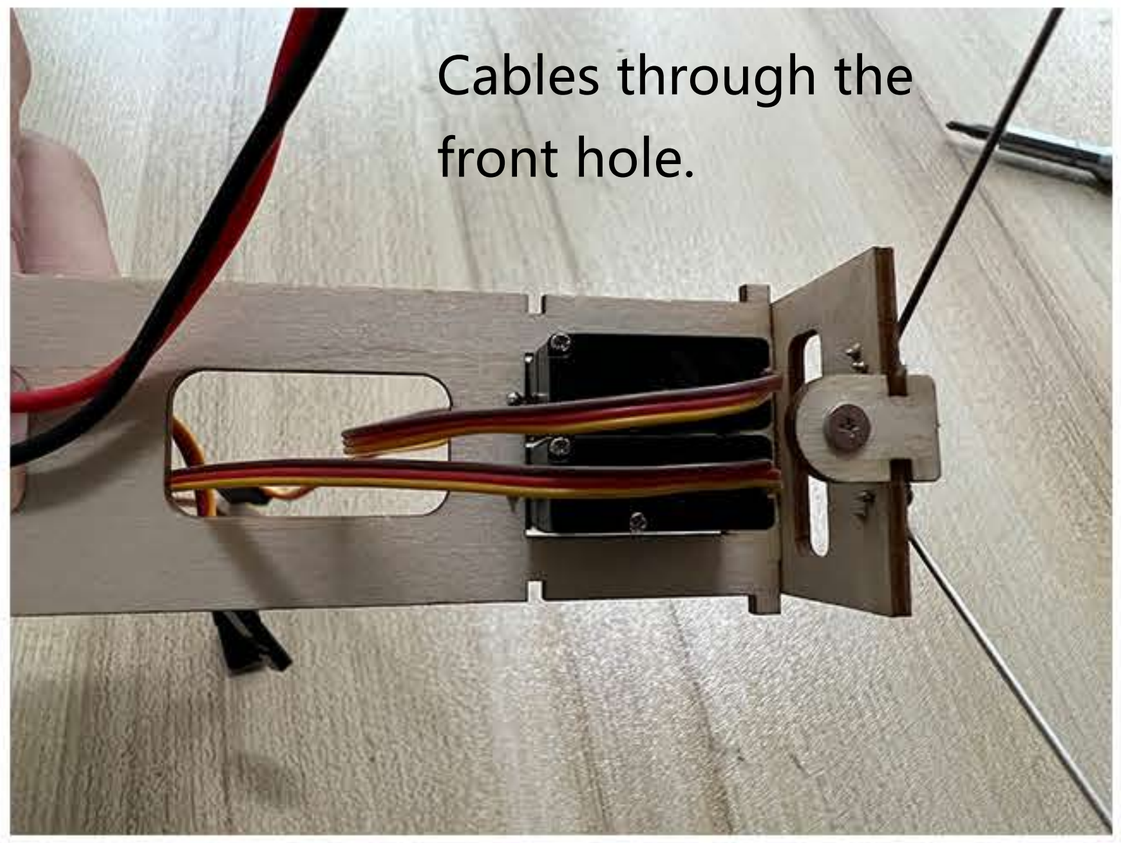
Install servos

As below picture shows: Note the install direction, use 1.5*4 screws to fix.



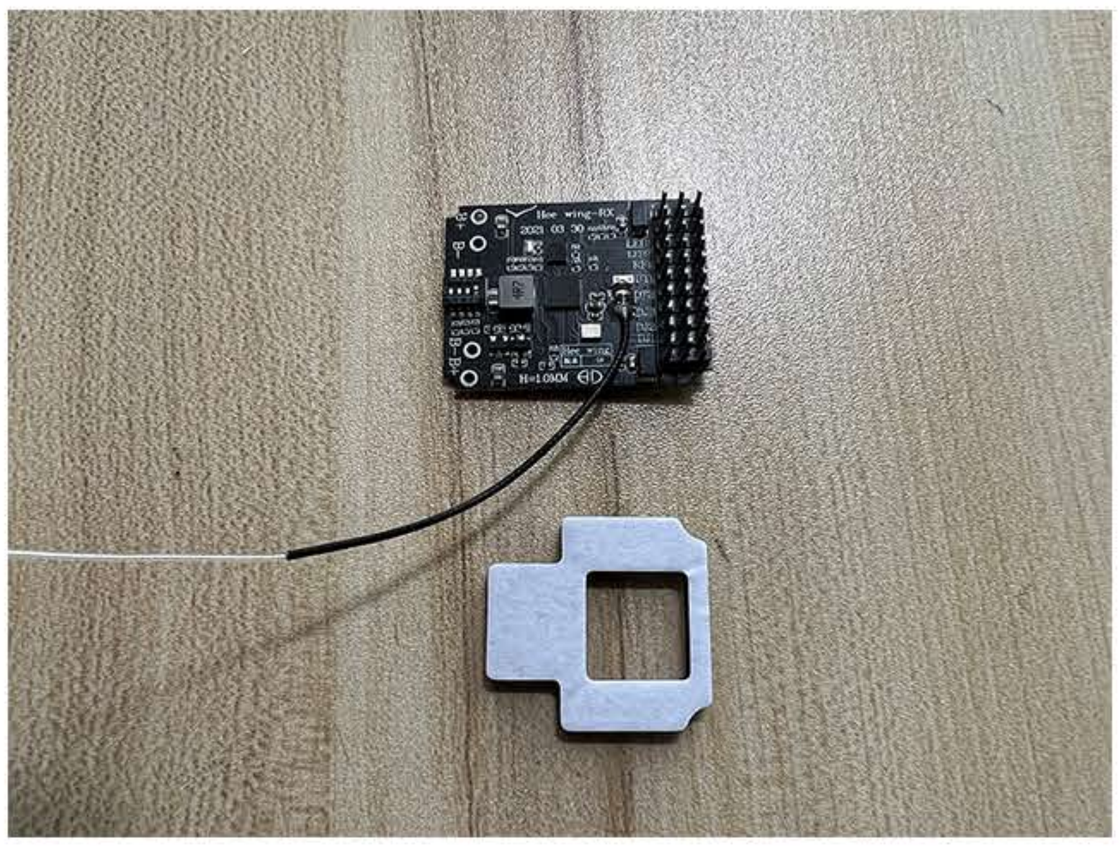


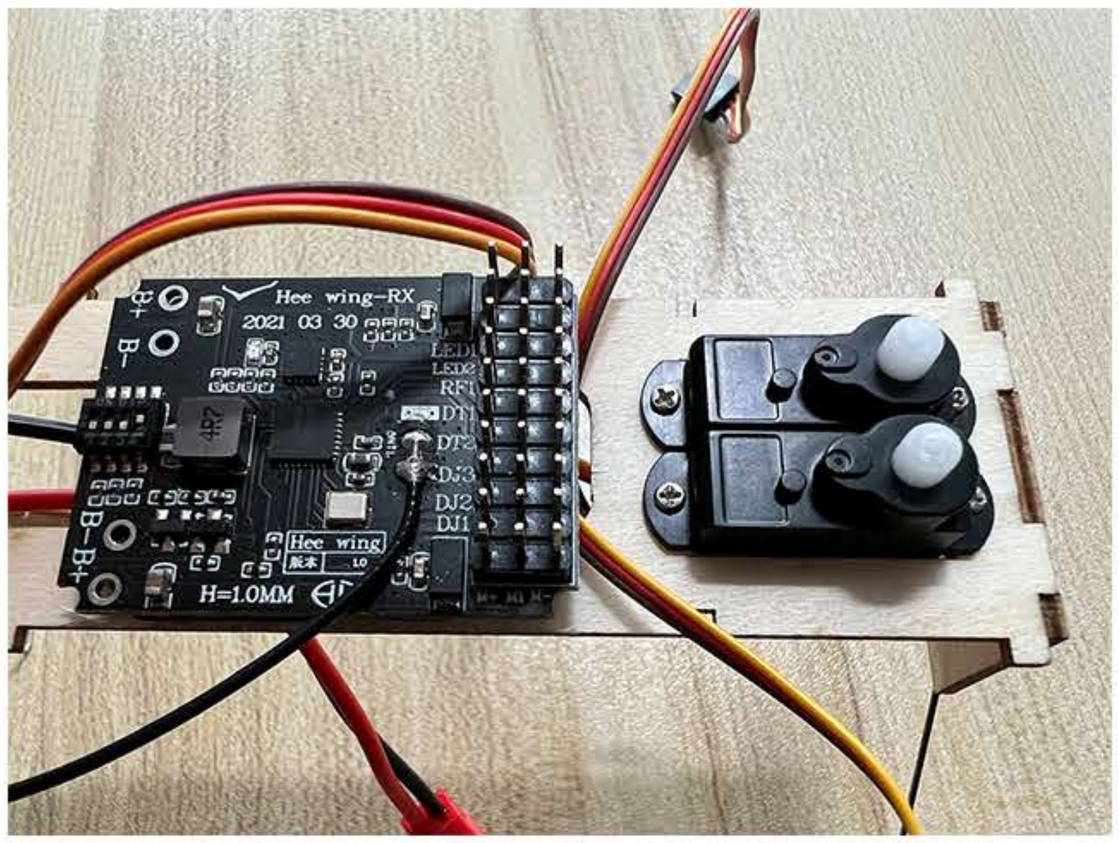


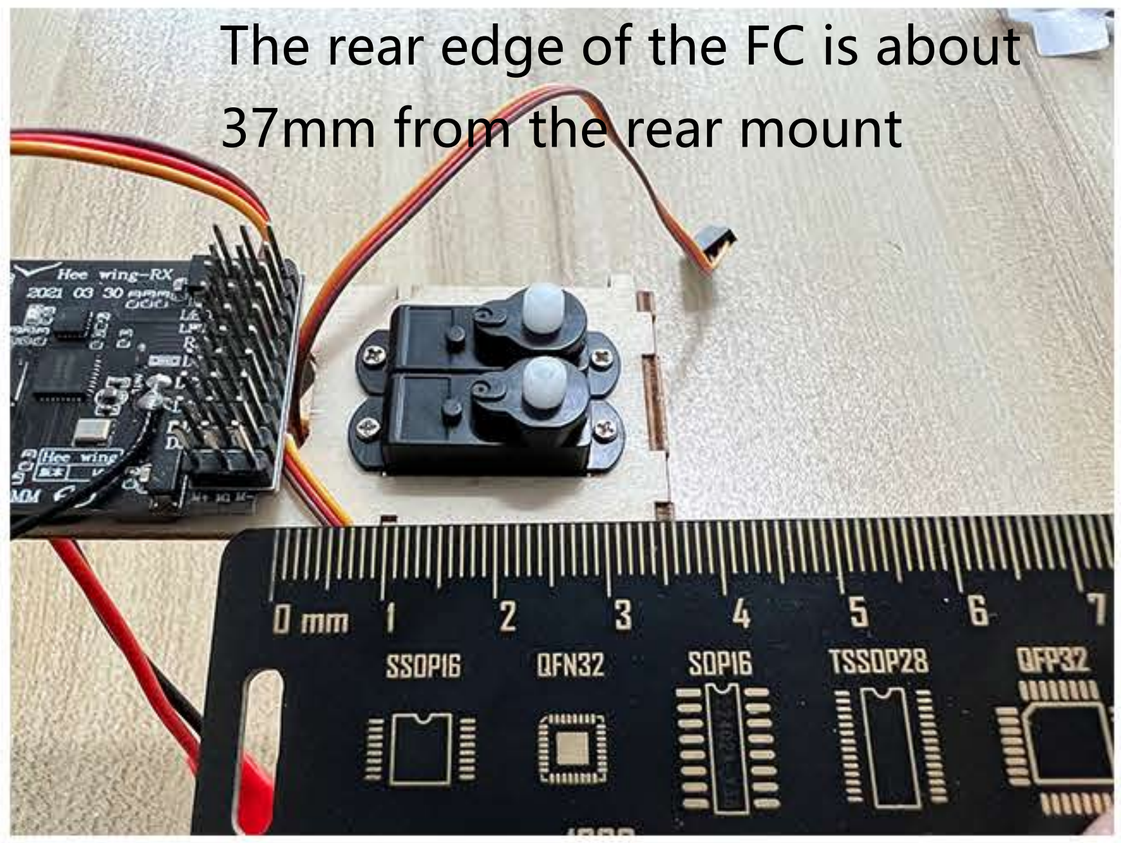


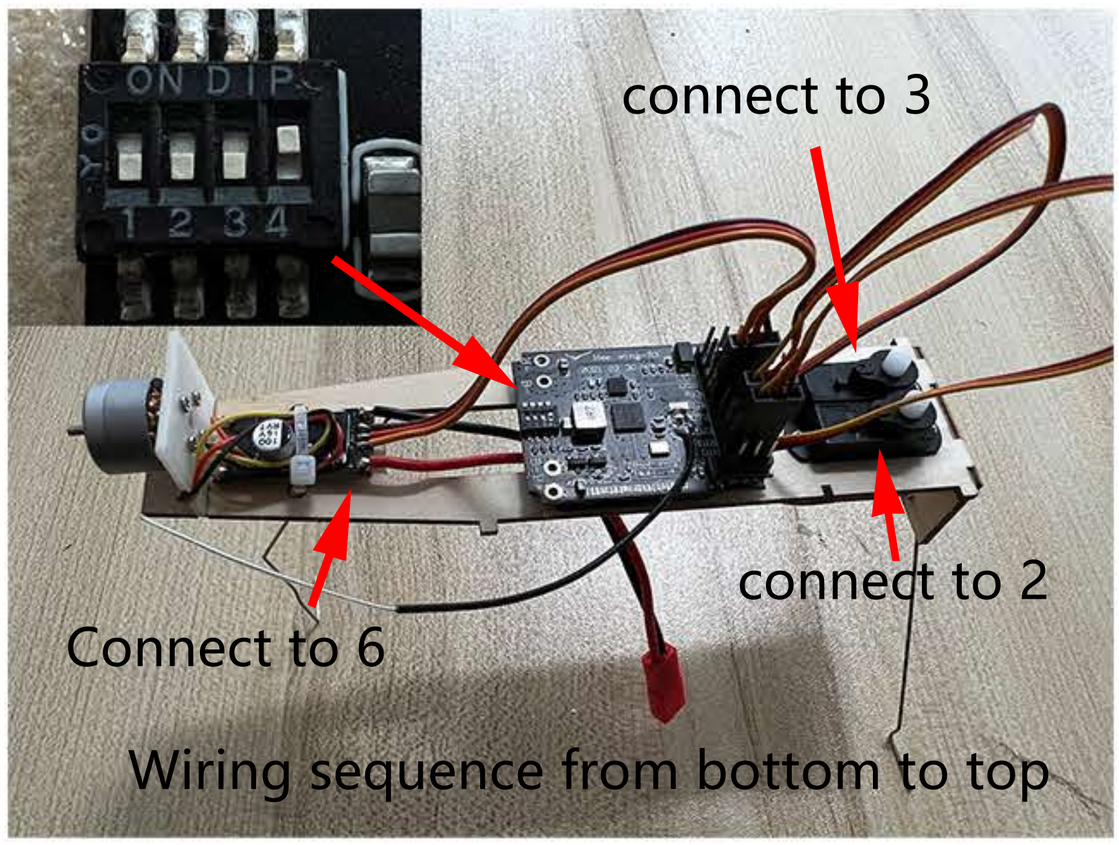
Install RX1.0

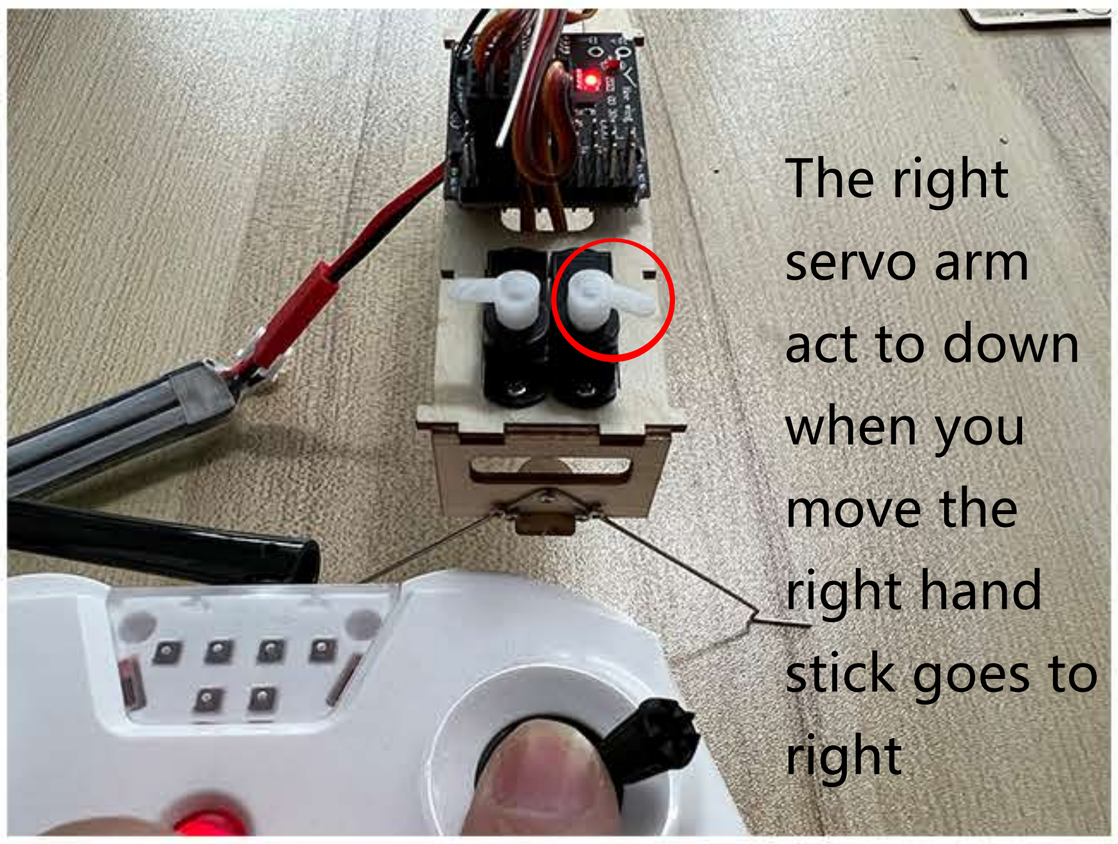
Glue the flight controller with thick double-sided tape and find a suitable place to paste it on the motor board. Connect the cables and test each part is working properly.

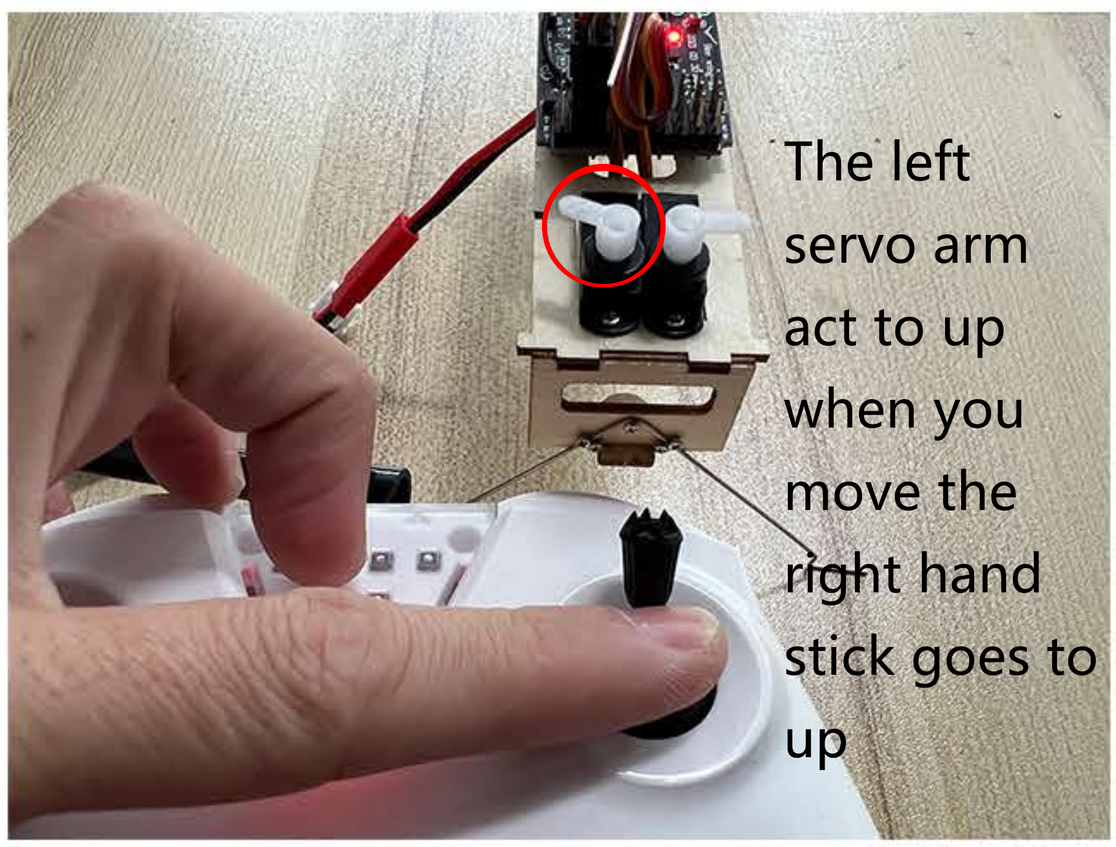


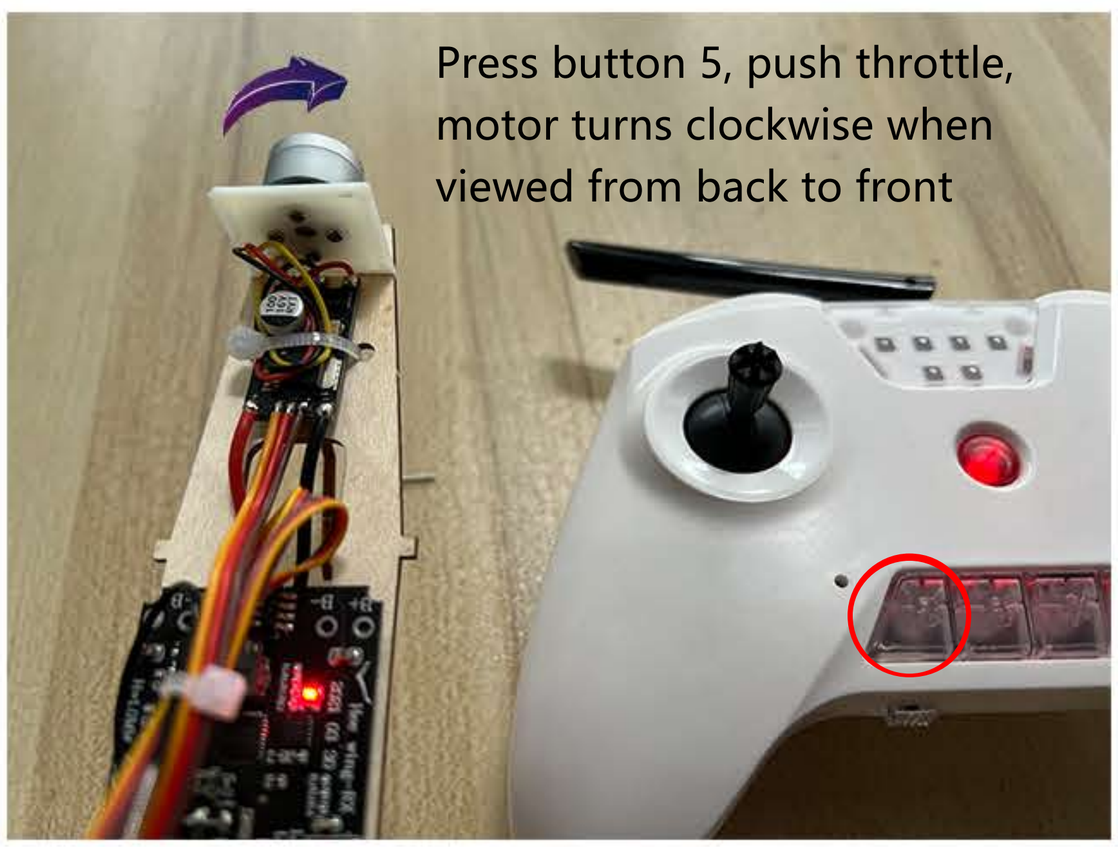


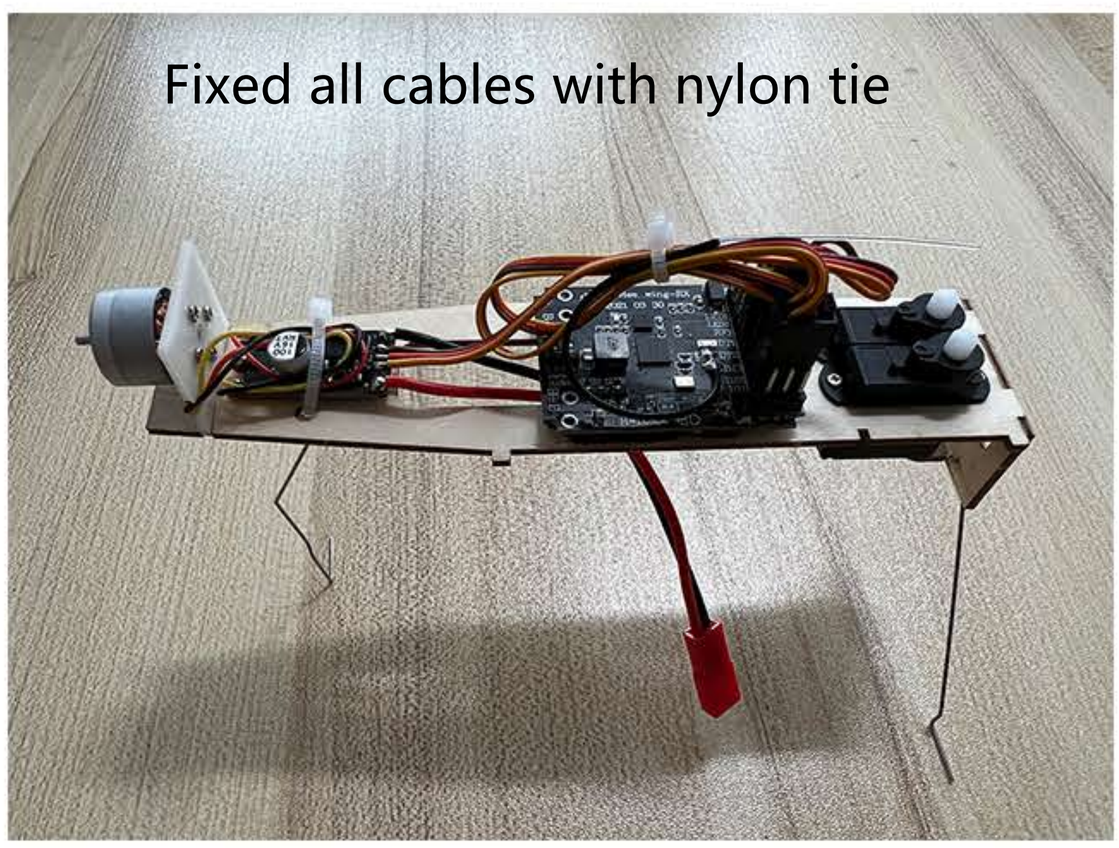



ON DIP
1 2 3 4
connect to 3
connect to 2
Connect to 6
Wiring sequence from bottom to top


The right servo arm act to down when you move the right hand stick goes to right

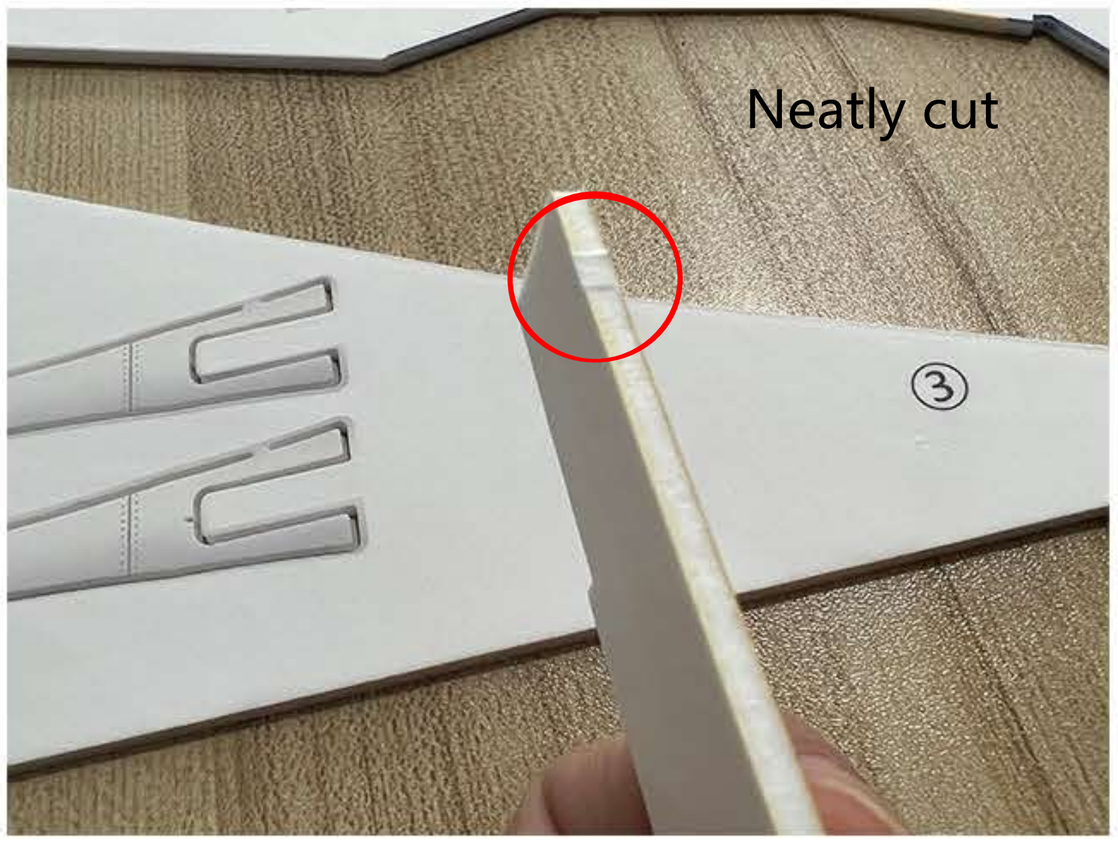

The left servo arm act to up when you move the right hand stick goes to up


Press button 5, push throttle, motor turns clockwise when viewed from back to front

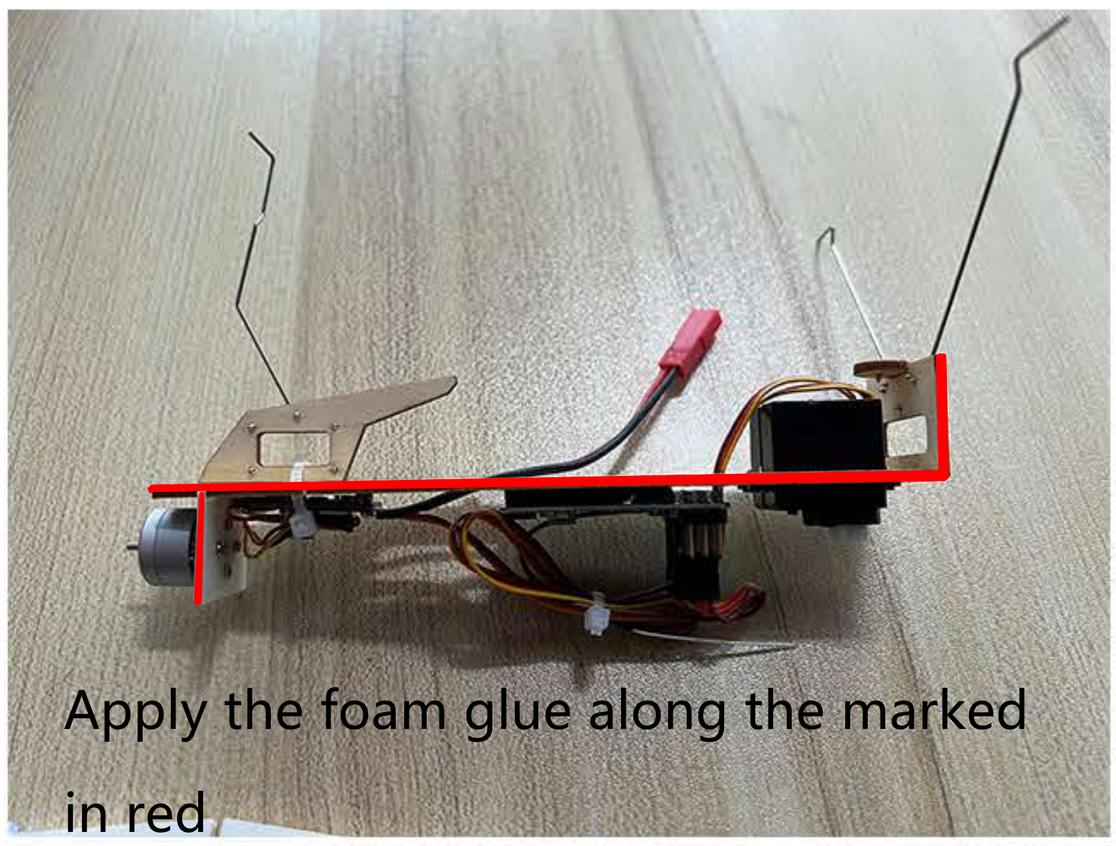

Fixed all cables with nylon tie

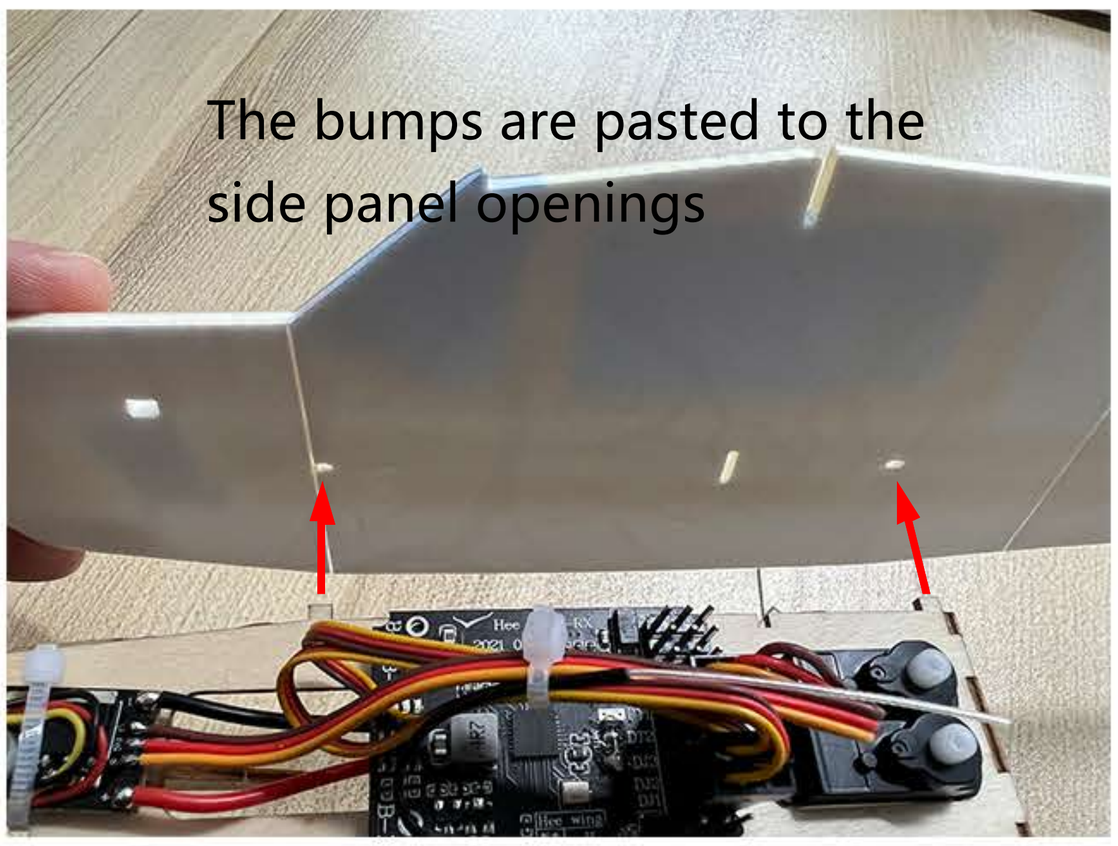
Fuselage assembly

Find out the No.3 right frame board, neatly cut for a better smooth application. (All the following plates are cut neatly.)



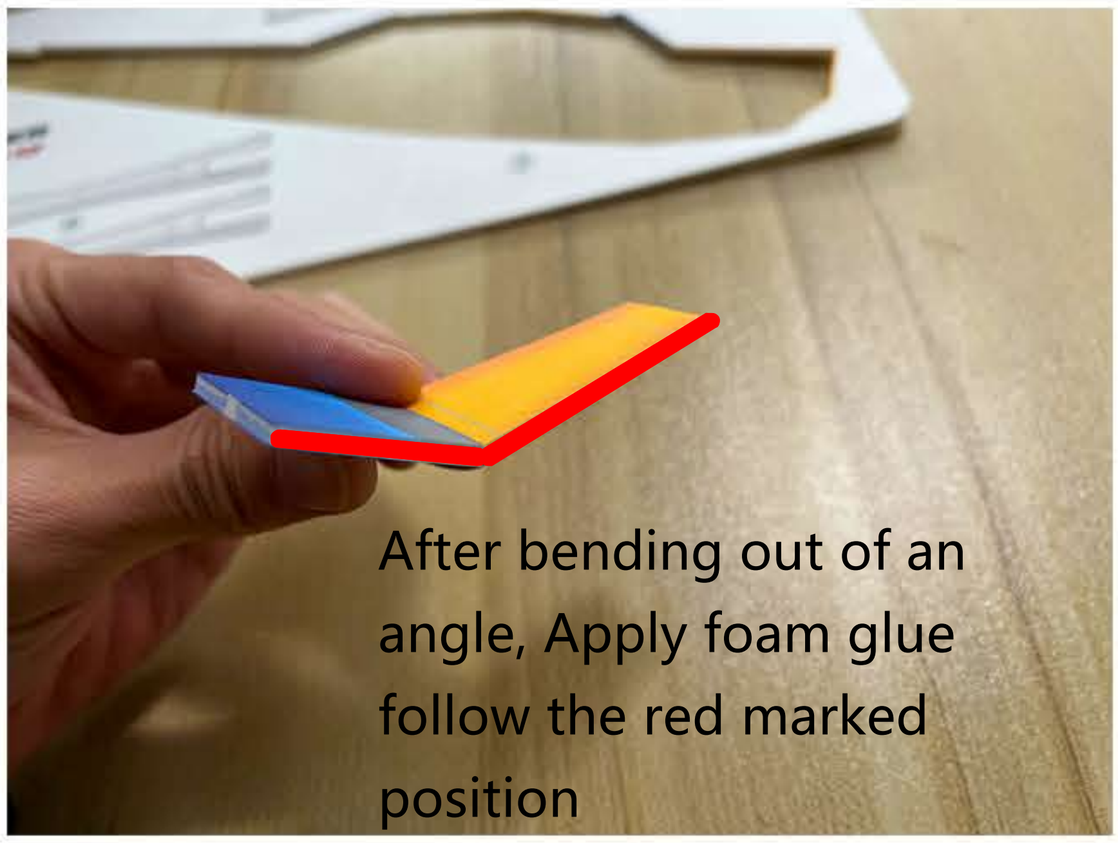
Apply foam glue to the right side of electronic mounting plate, adjust the position and paste it on the right frame.

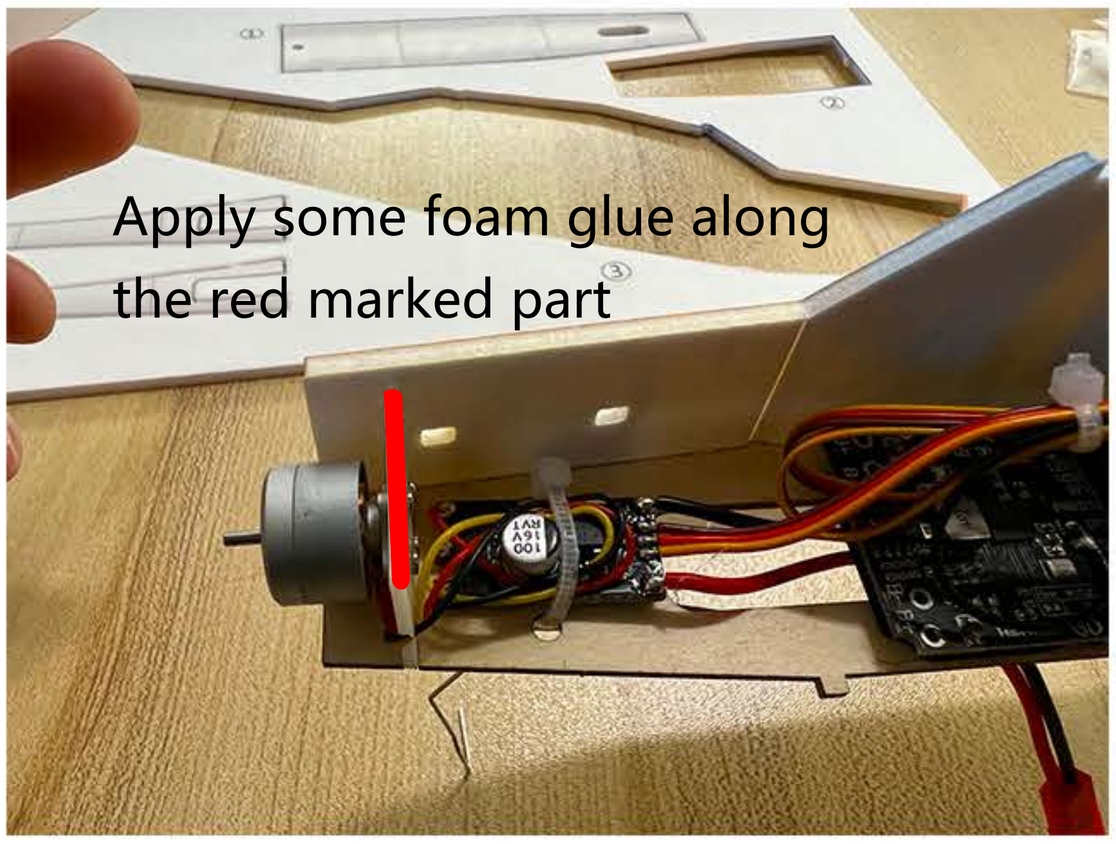


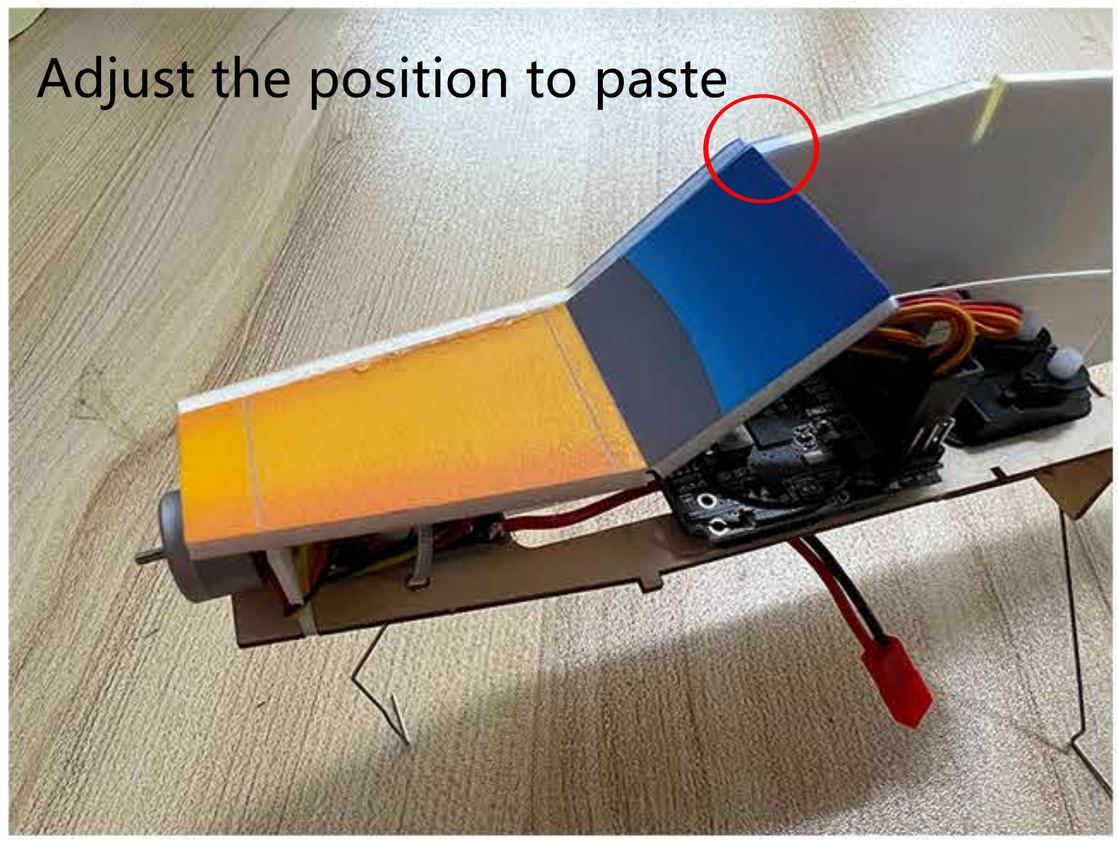


Paste the fuselage upper plate

Take out the plate 2, cut the incision, and fold it by hand along the back line at an angle for a better fit when pasting, apply foam glue to the pasting position and adjust the position to paste

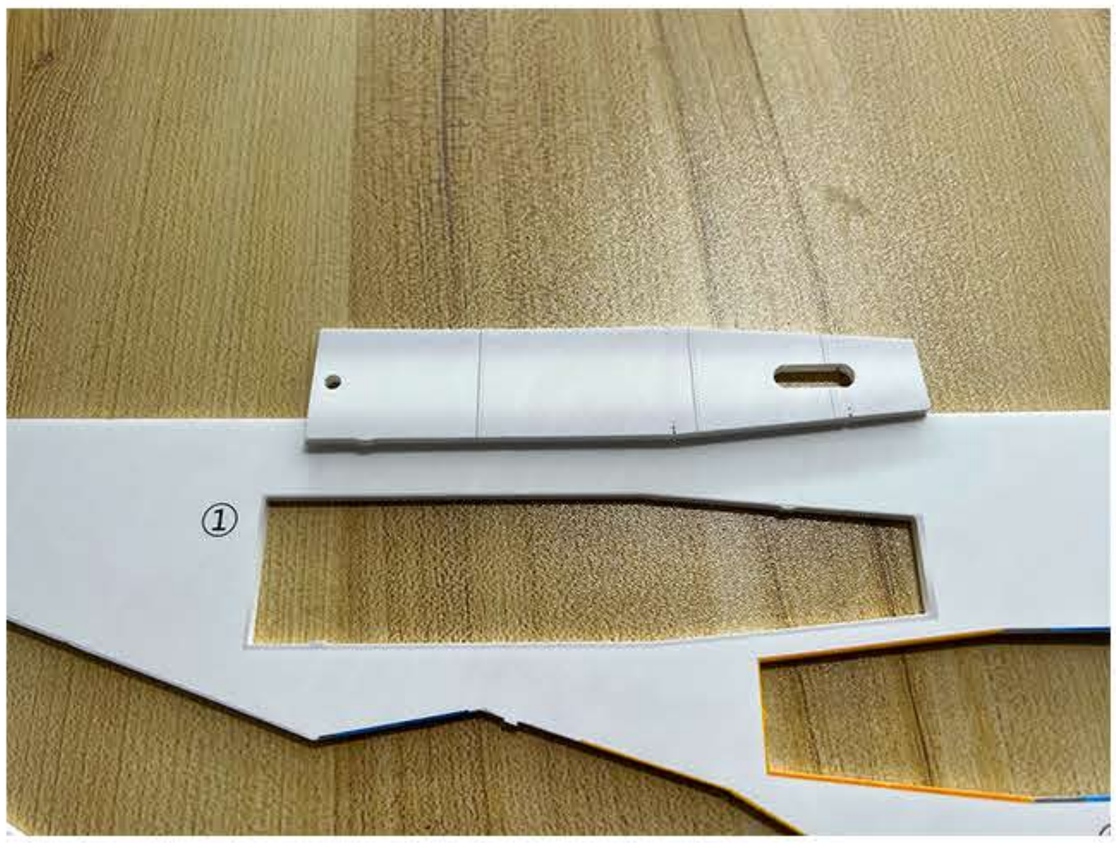






Hatch assembly

Take out the No.1 board, assemble the magnet, stick on the hatch sticker(handle), install to the electronic mounting plate




Apply some foam
inside the hole

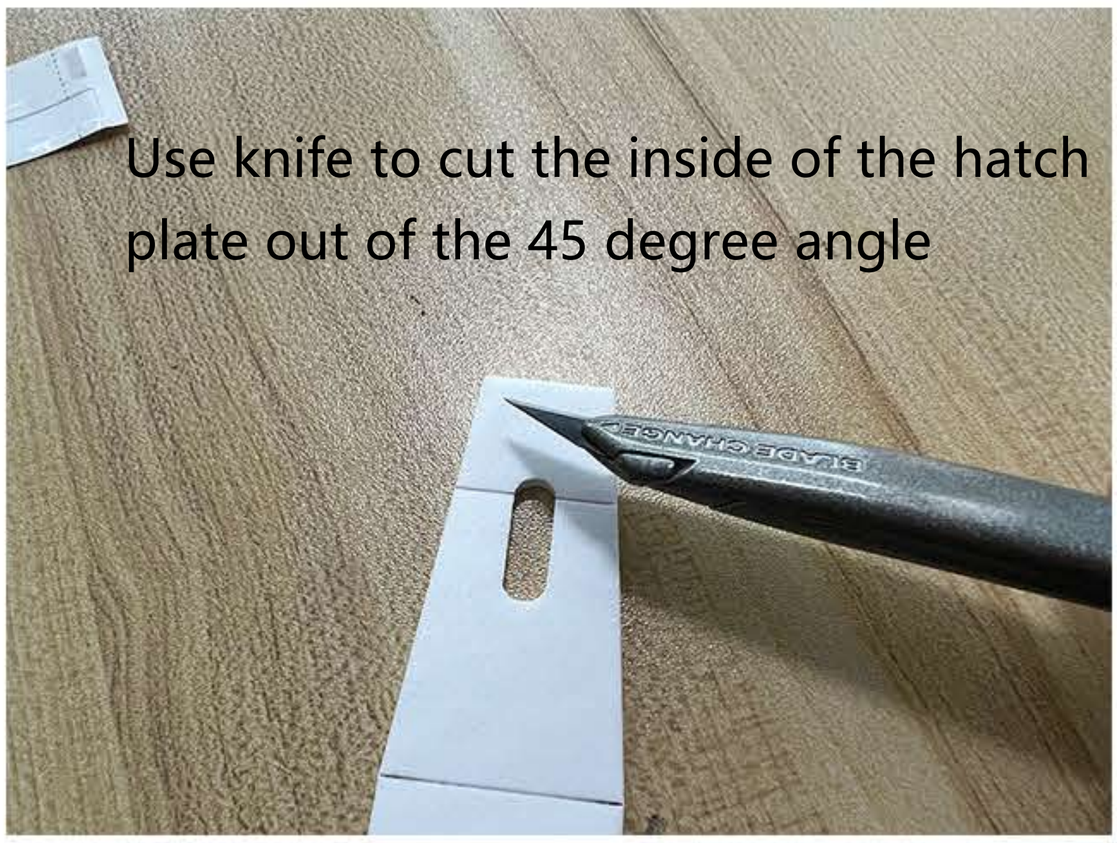

Install the magnet

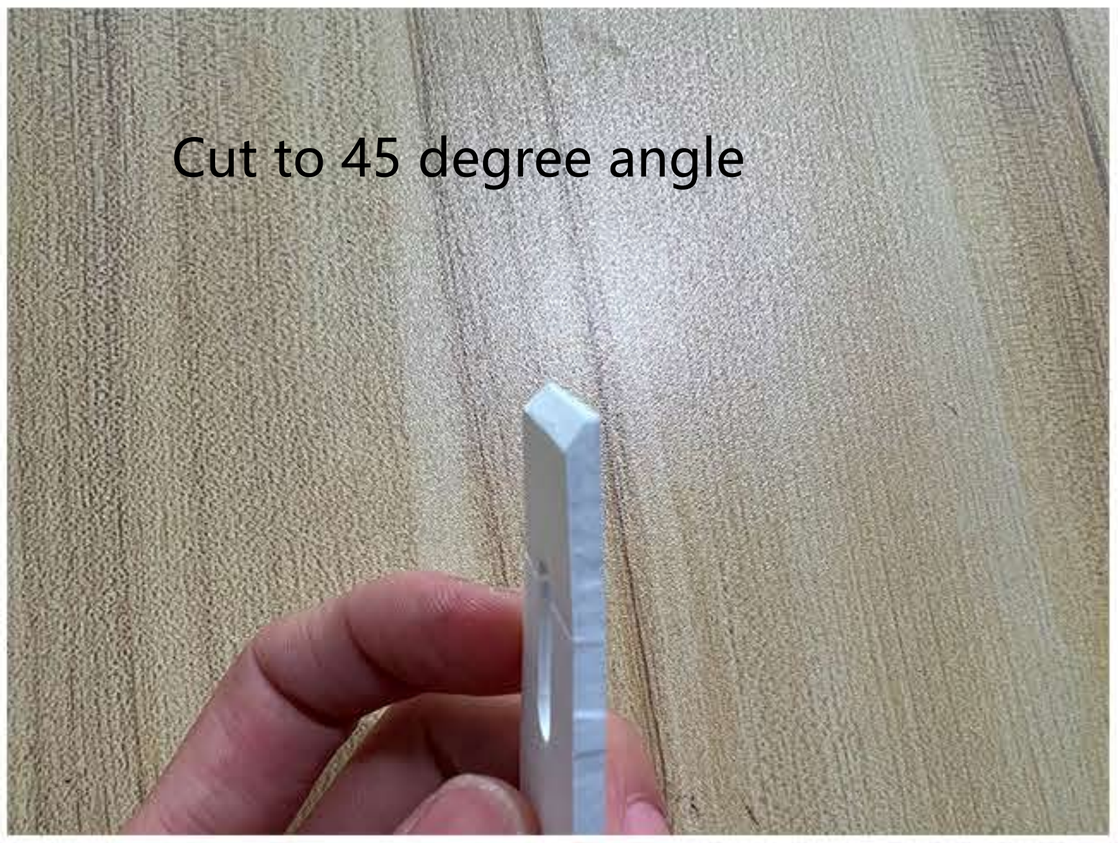

Tear off a piece of sticker
舱盖贴纸
Hatch sticker

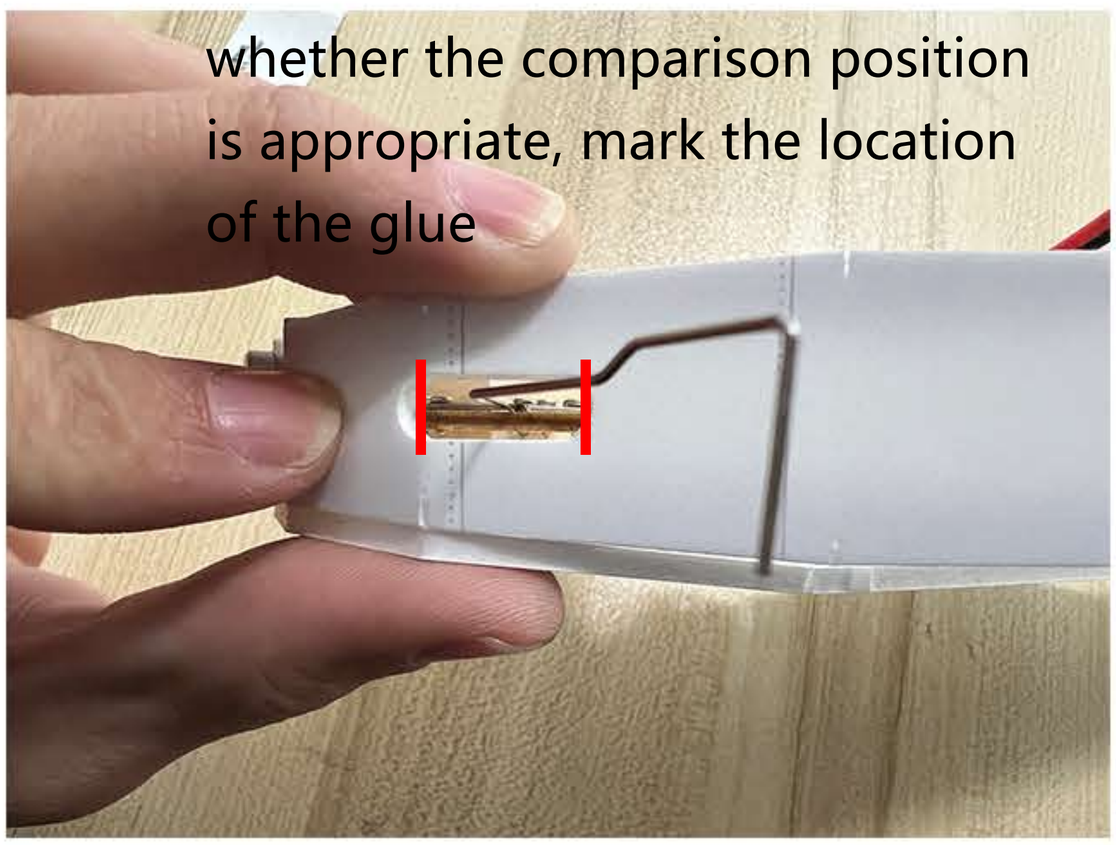

Fold the sticker to the opposite
side along the dotted line

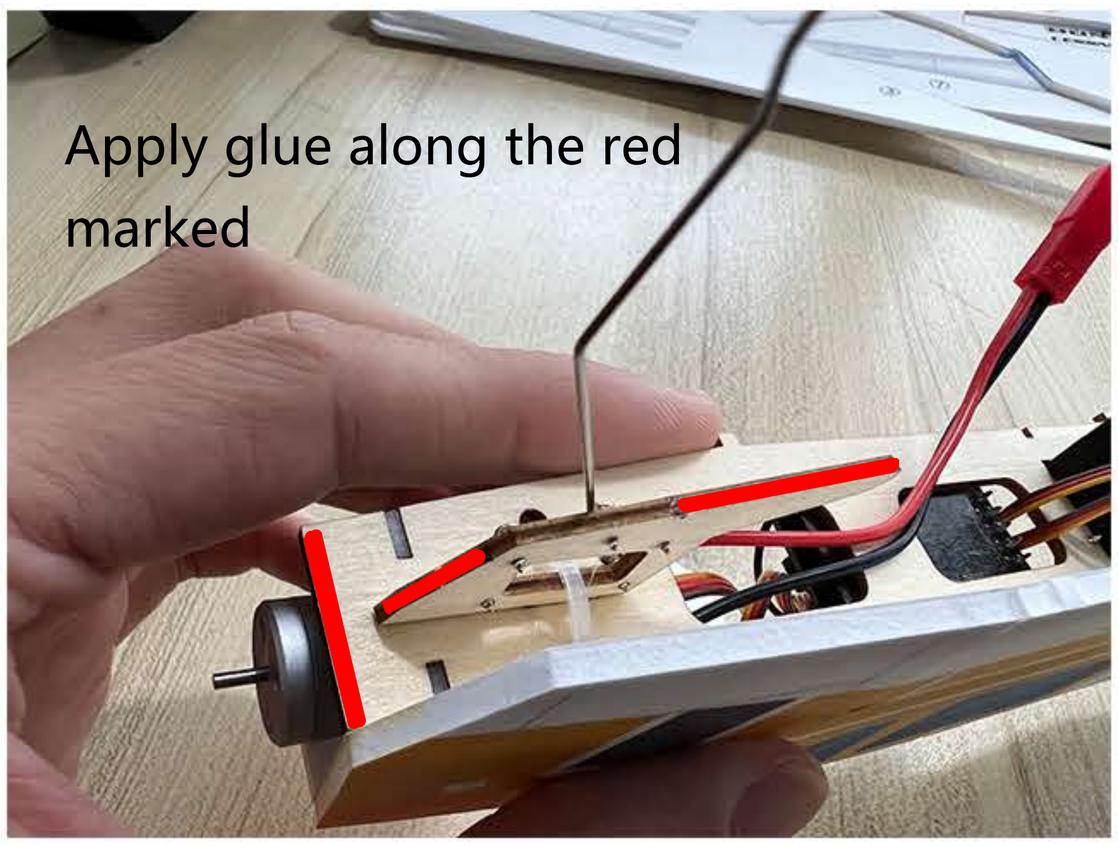

Stick on the magnet side
舱盖贴纸
Hatch sticker

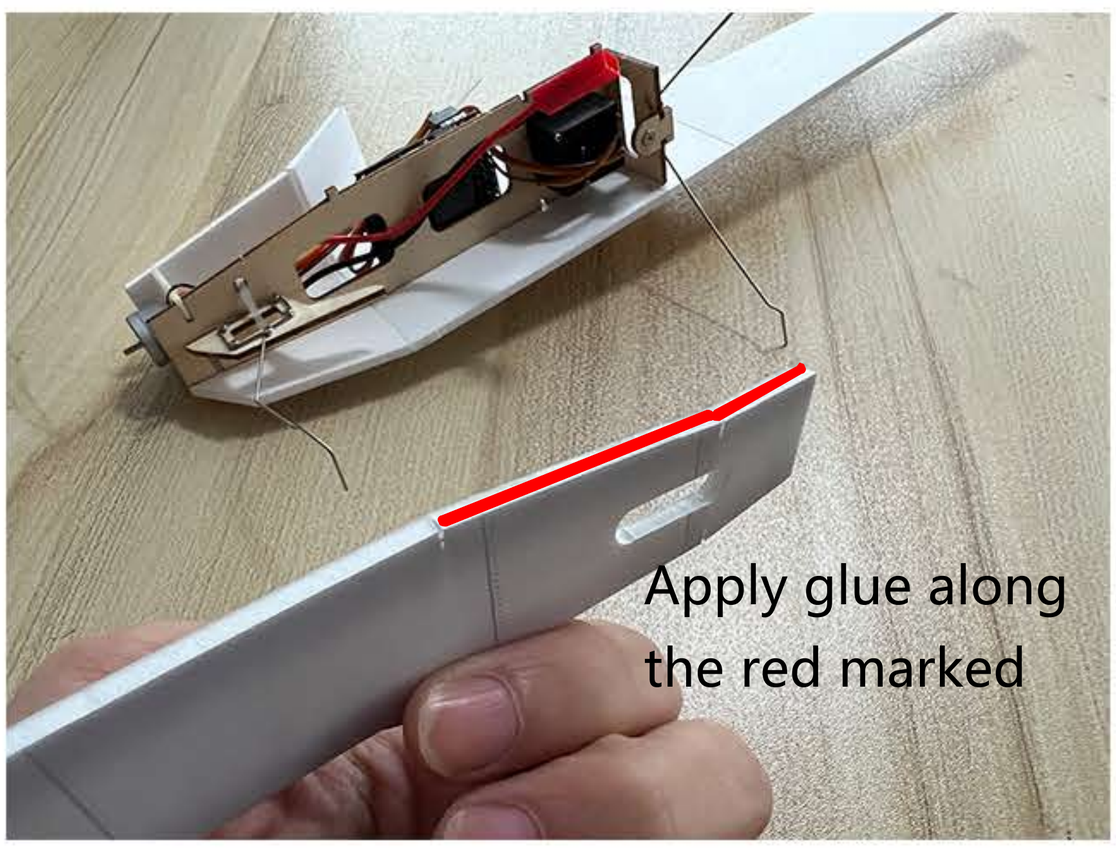

Leave 5mm on the front

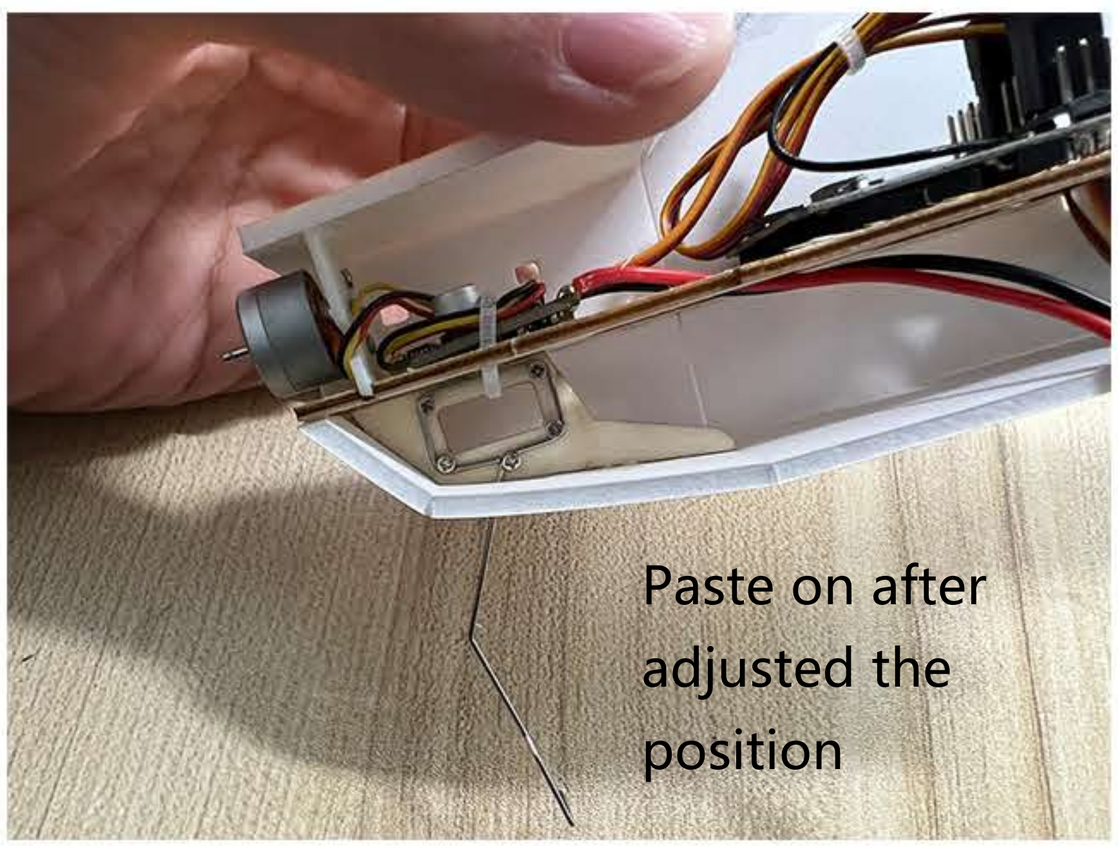

Use knife to cut the inside of the hatch plate out of the 45 degree angle


Cut to 45 degree angle


whether the comparison position is appropriate, mark the location of the glue

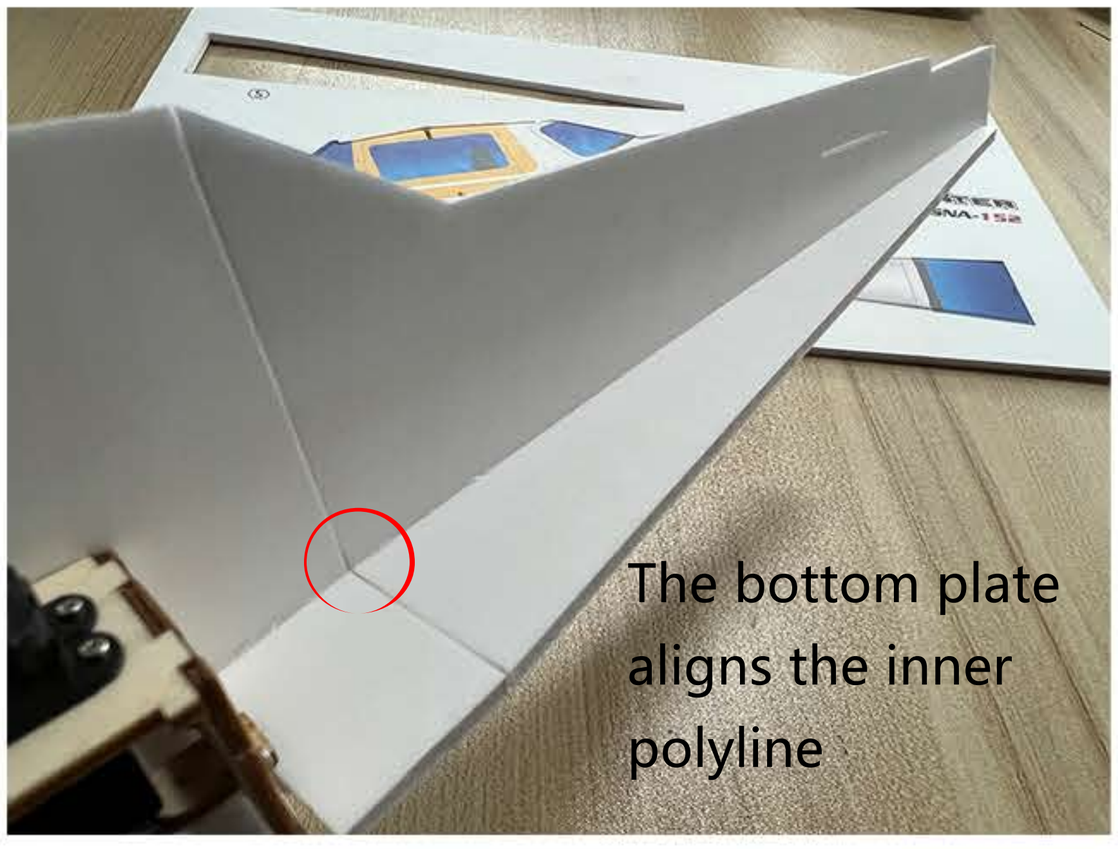

Apply glue along the red marked

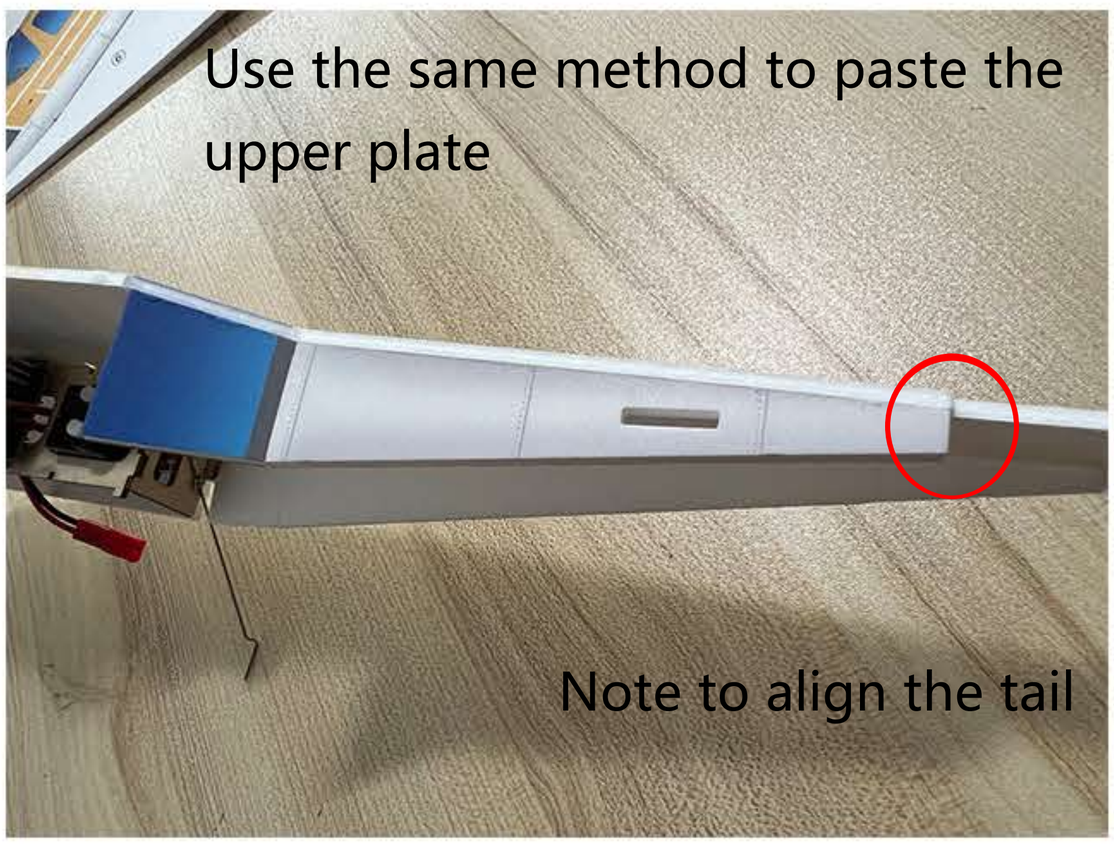

Apply glue along the red marked


Paste on after adjusted the position

Tail upper plate and bottom plate assembly

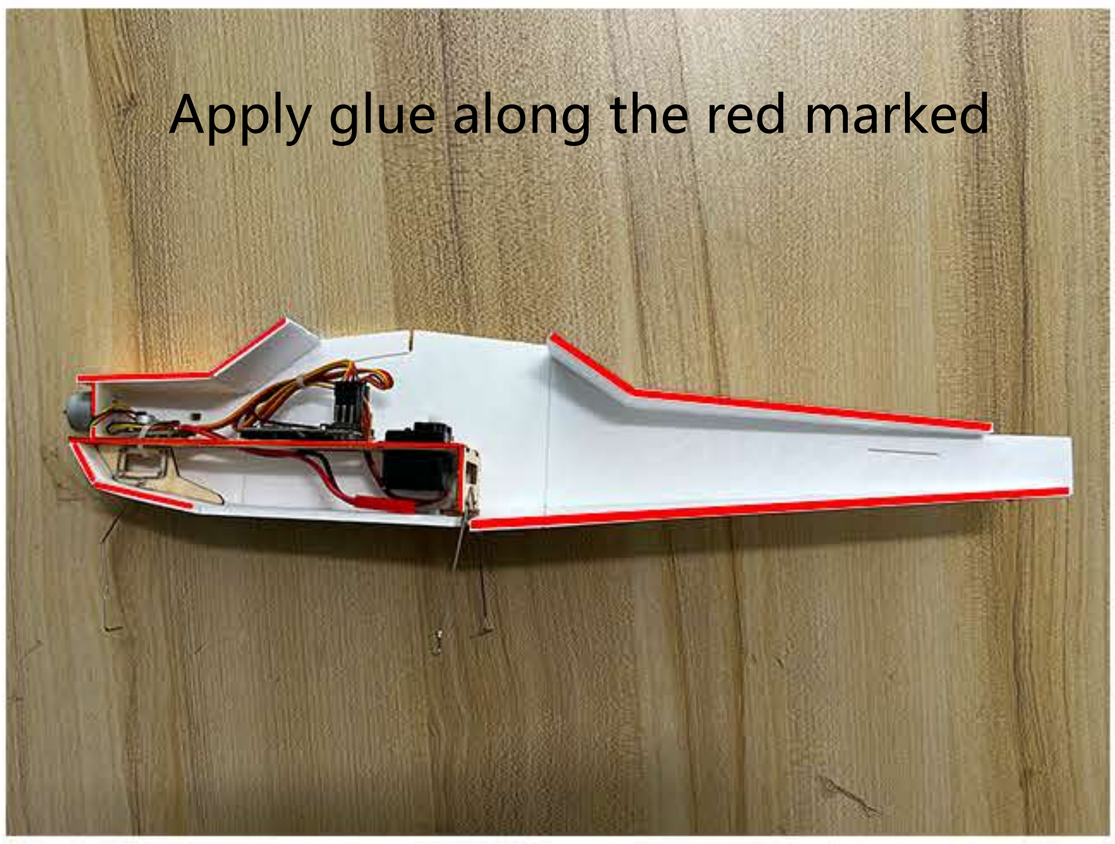
Take out No.5 and No.7 board, apply foam glue to the pasting position and adjust the position to paste

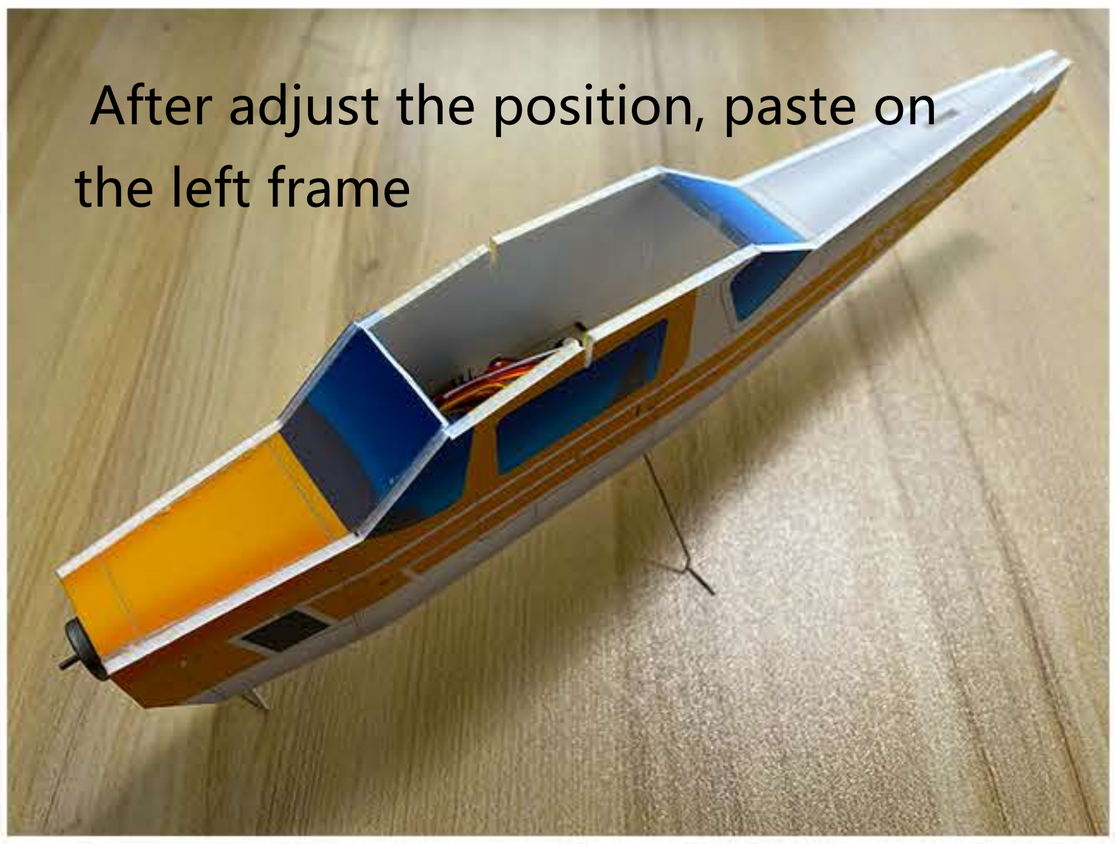


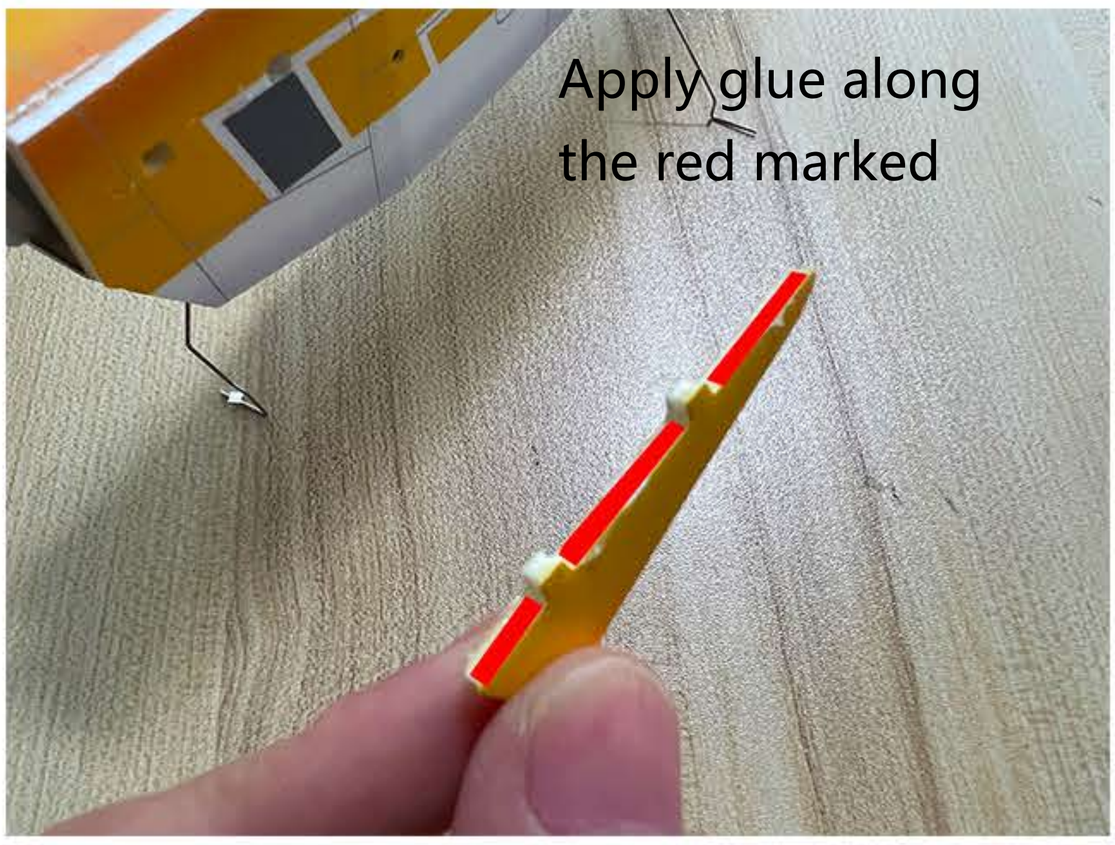


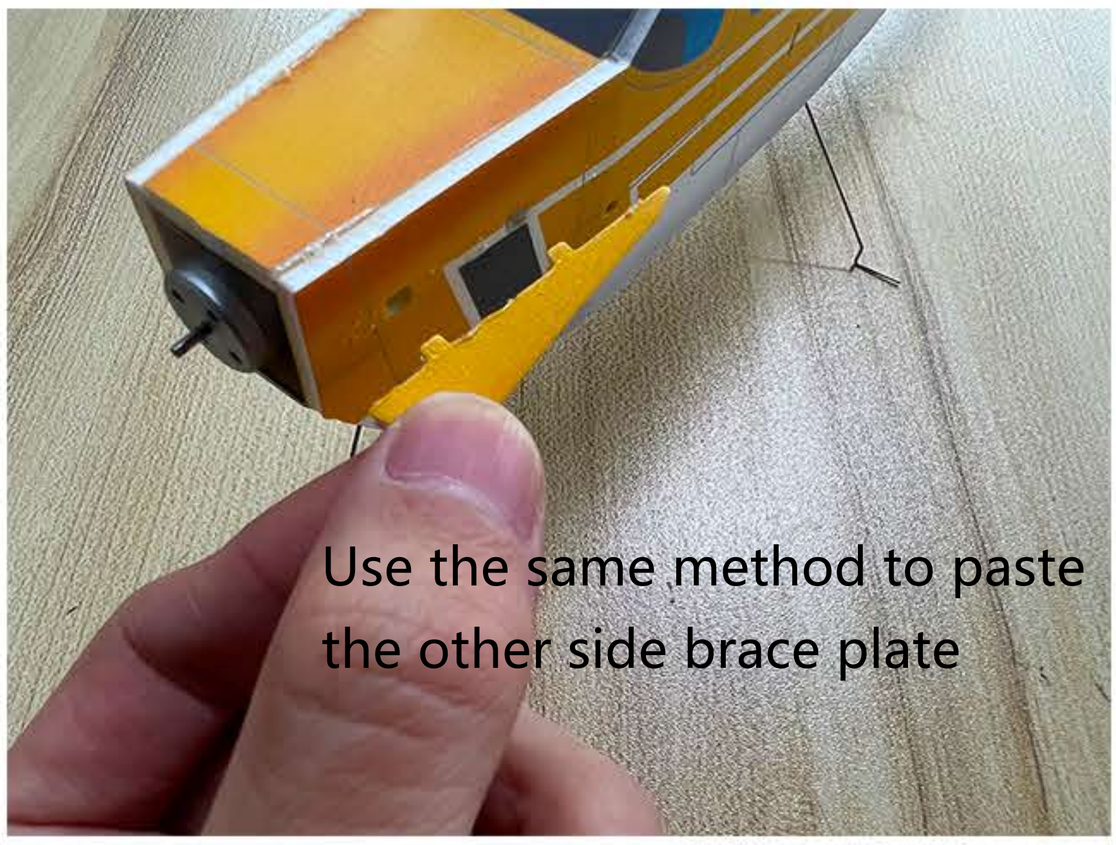
Left frame and frame brace plates assembly

Take out No.6 and No.11 board, apply glue to the paste position



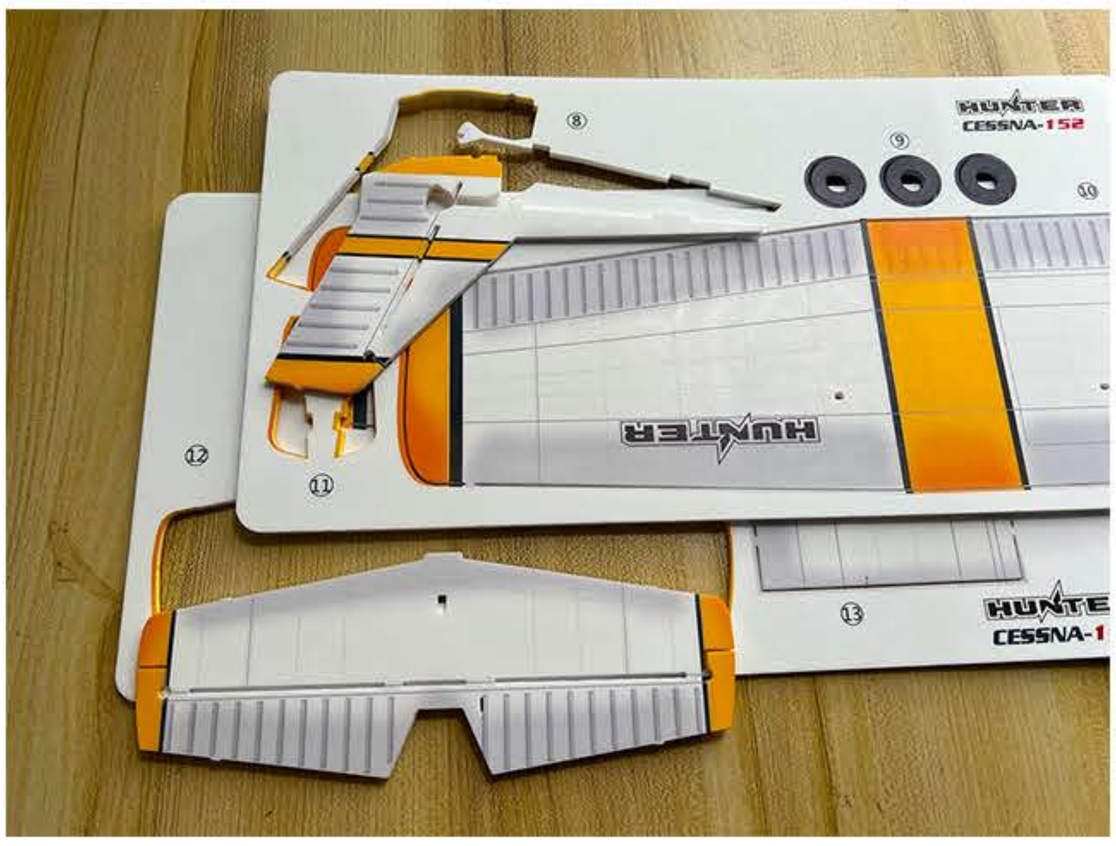


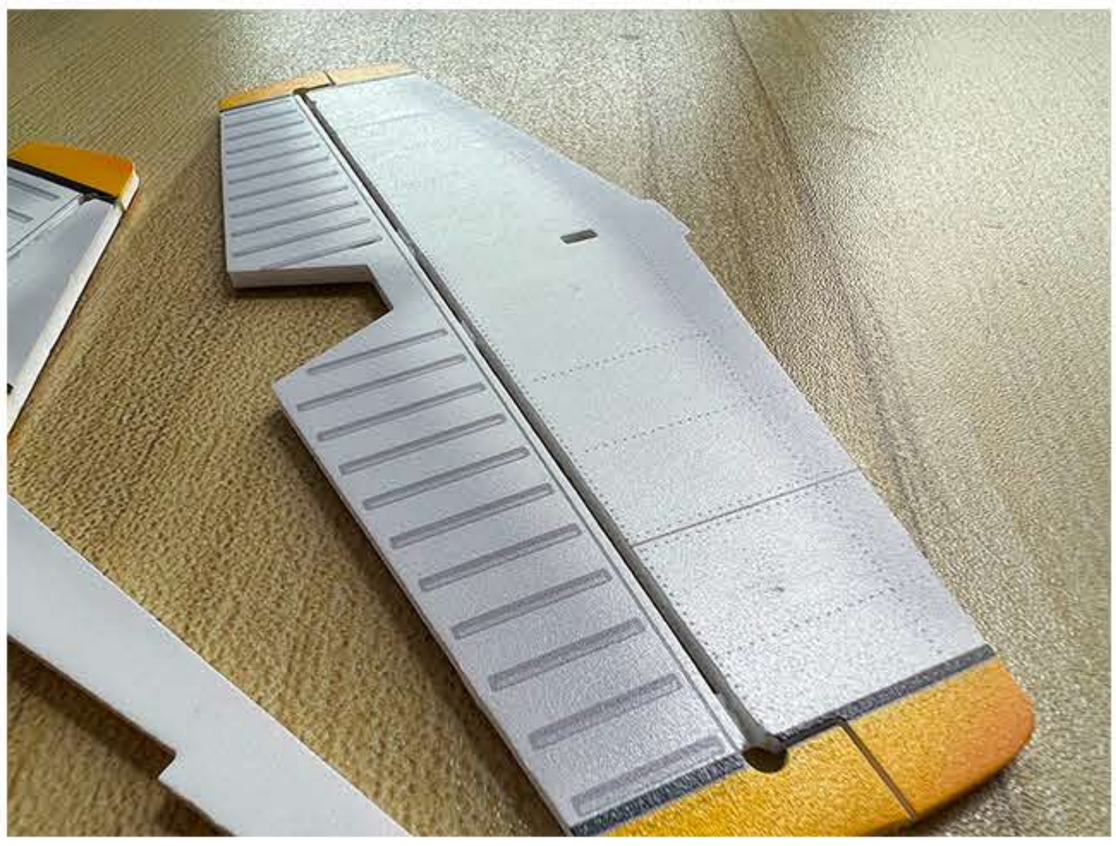




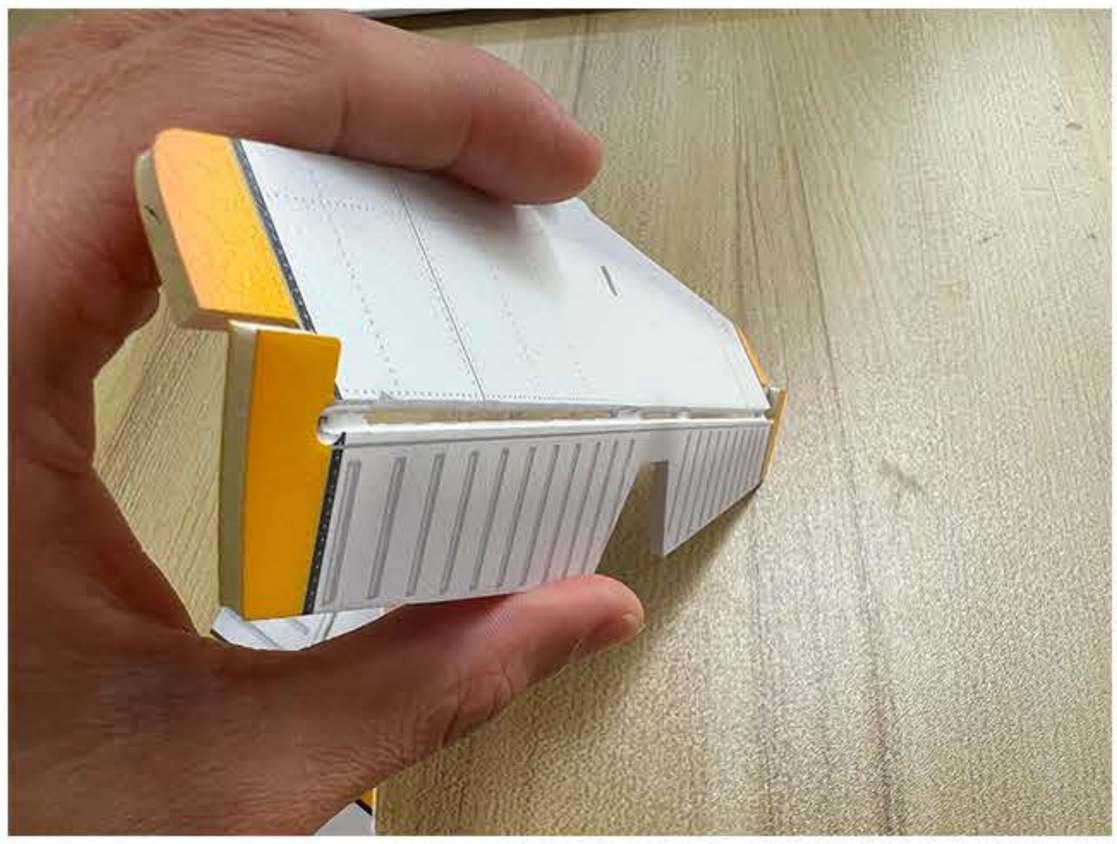
Horizontal tail and vertical tail assembly

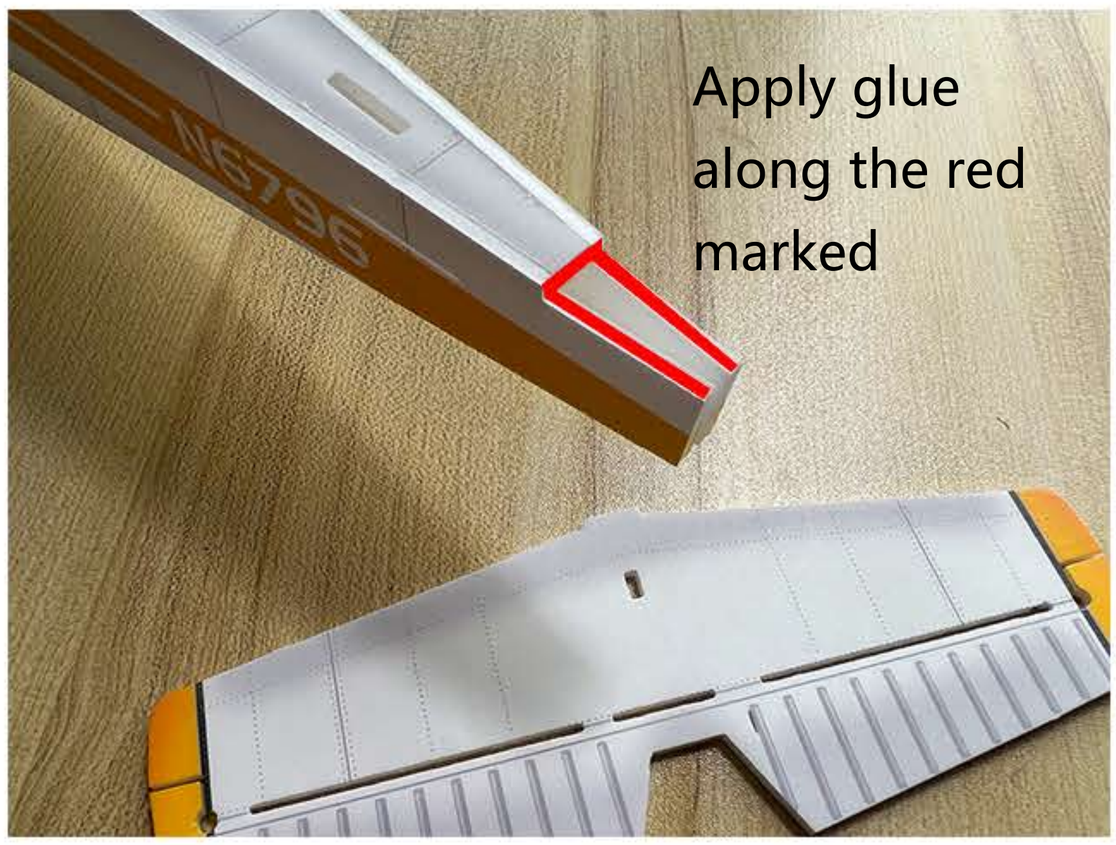
Take out No.12 and No.8 board, cut the incision. The hinges of the rudder surface have been pre-processed, and may be hard. You can swing the surface left and right with your hands to soften it when necessary.

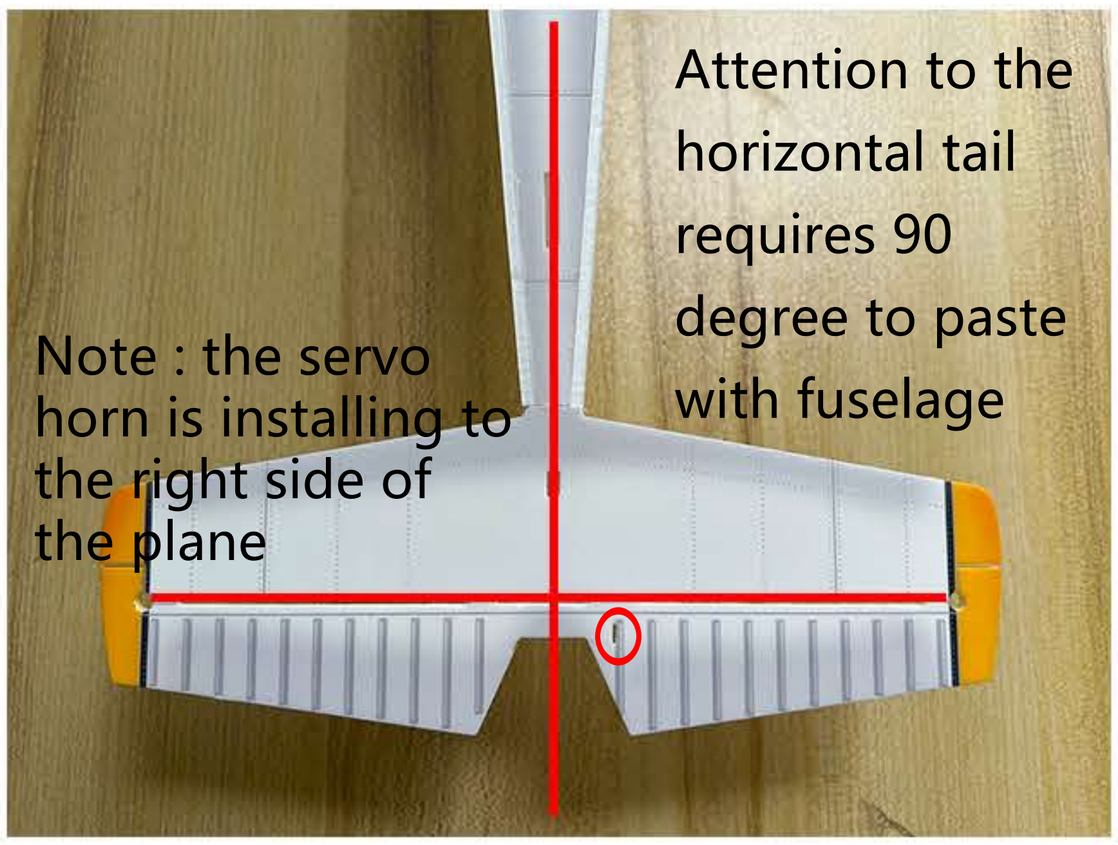




Swing the surface left and right with your hands to soften it when necessary.





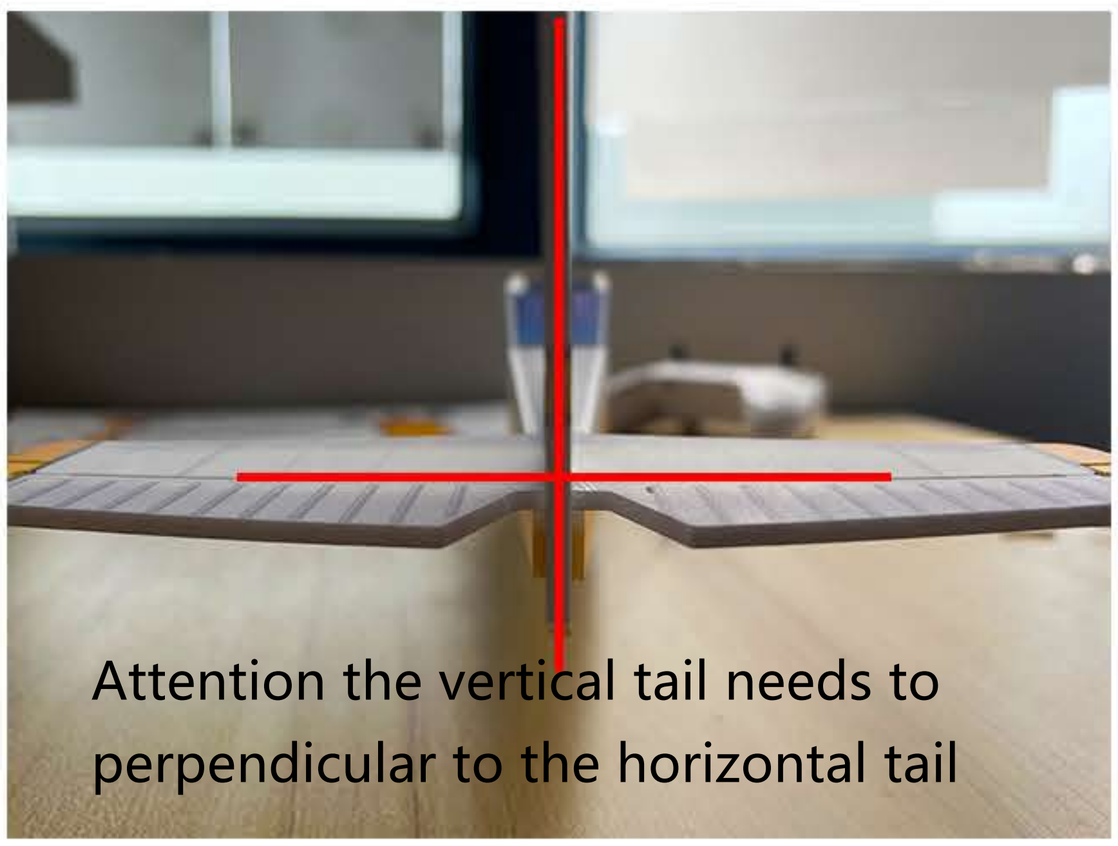


Apply glue to the vertical tail

Push into the vertical tail from behind

The connection part need to be installed in place

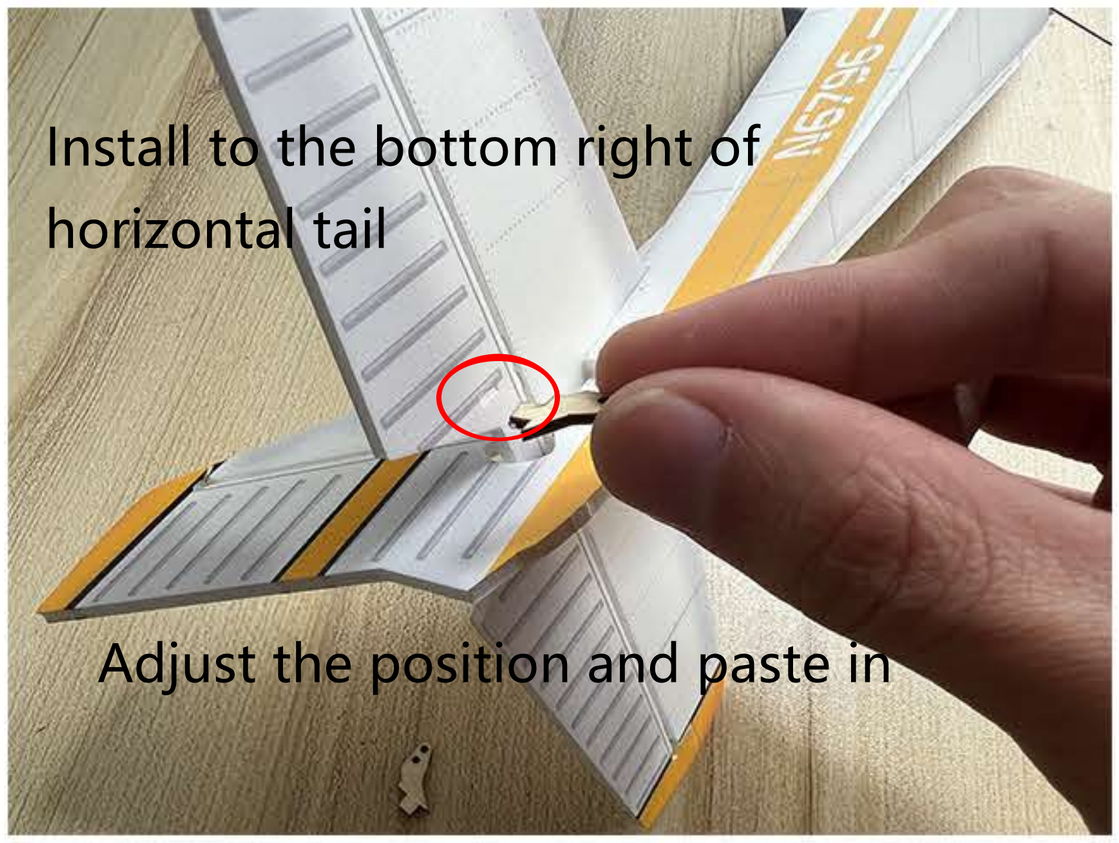
The upper part installed in place

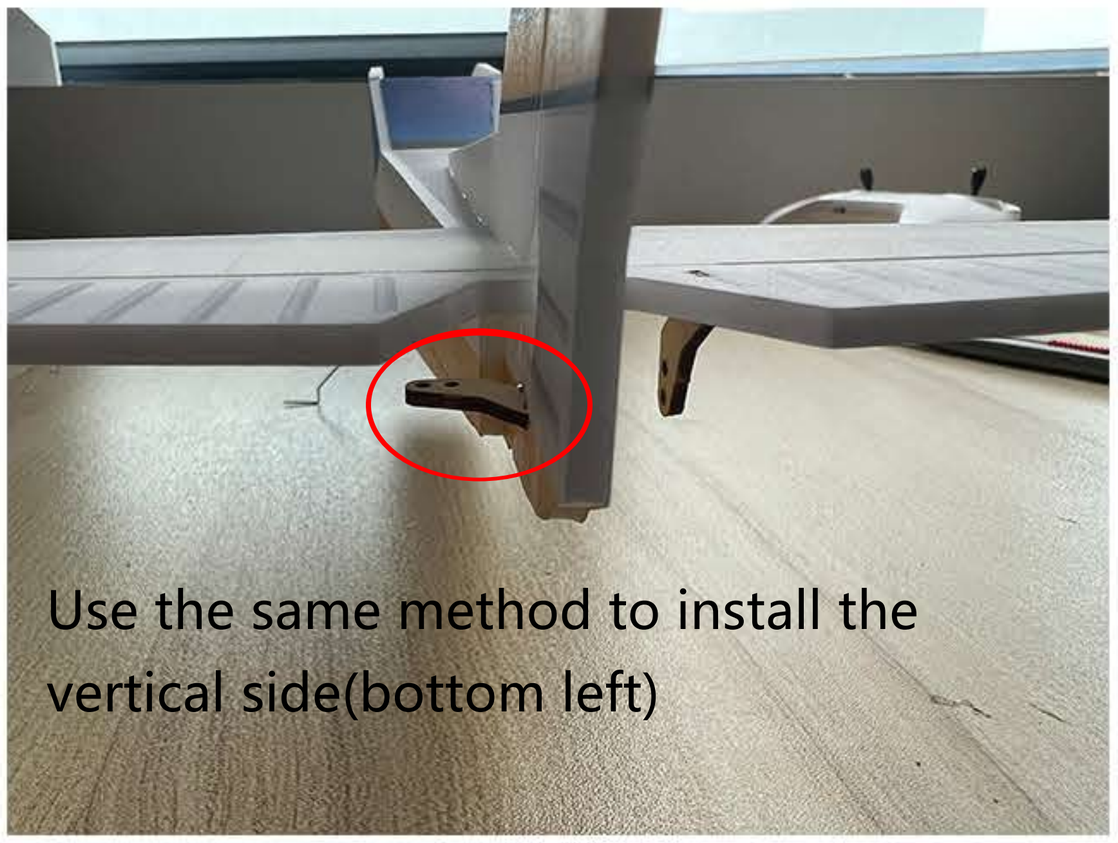


Attention the vertical tail needs to perpendicular to the horizontal tail

Servo horn assembly

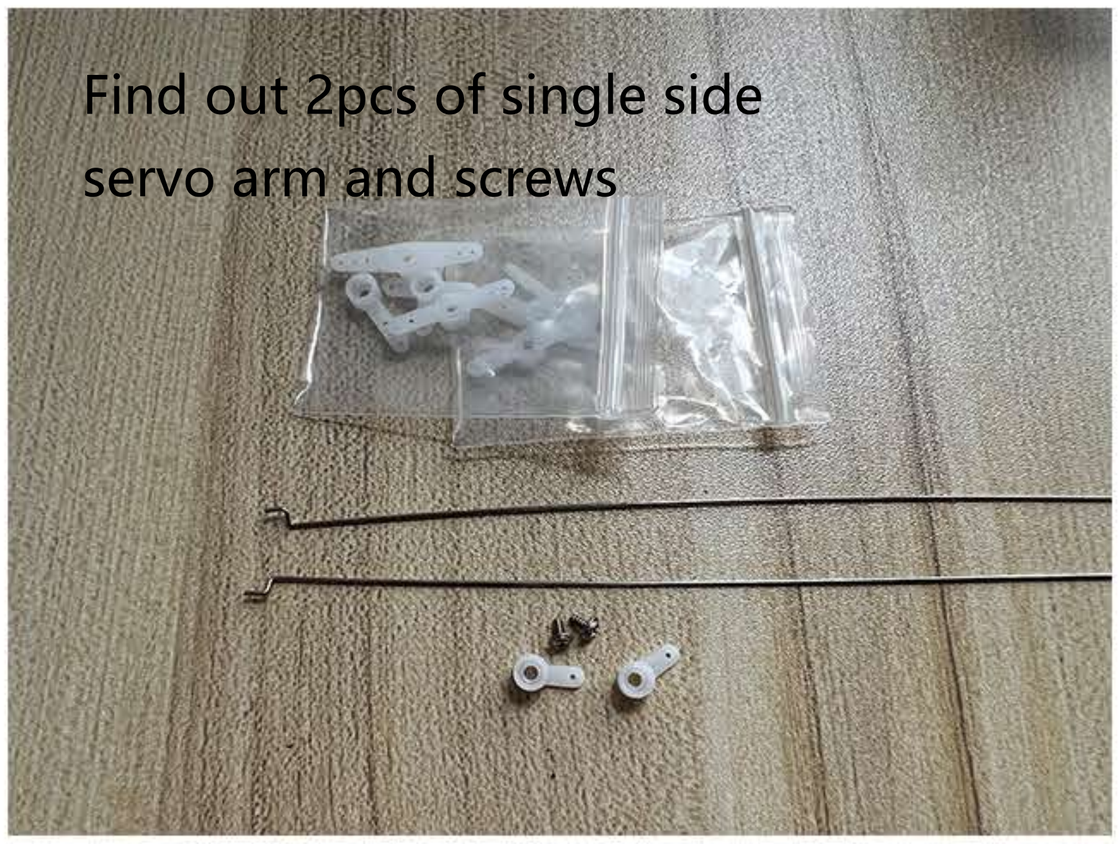
Take out the servo horn, apply some glue to it





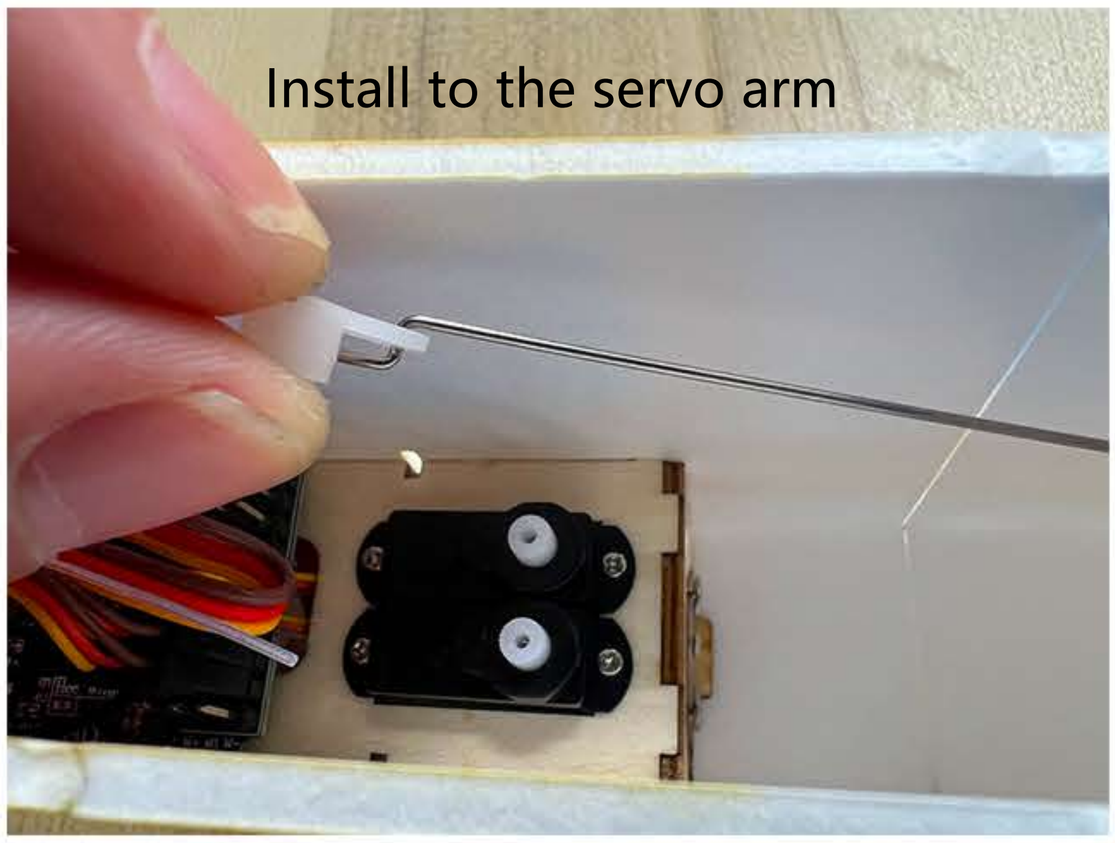
Linkage installation

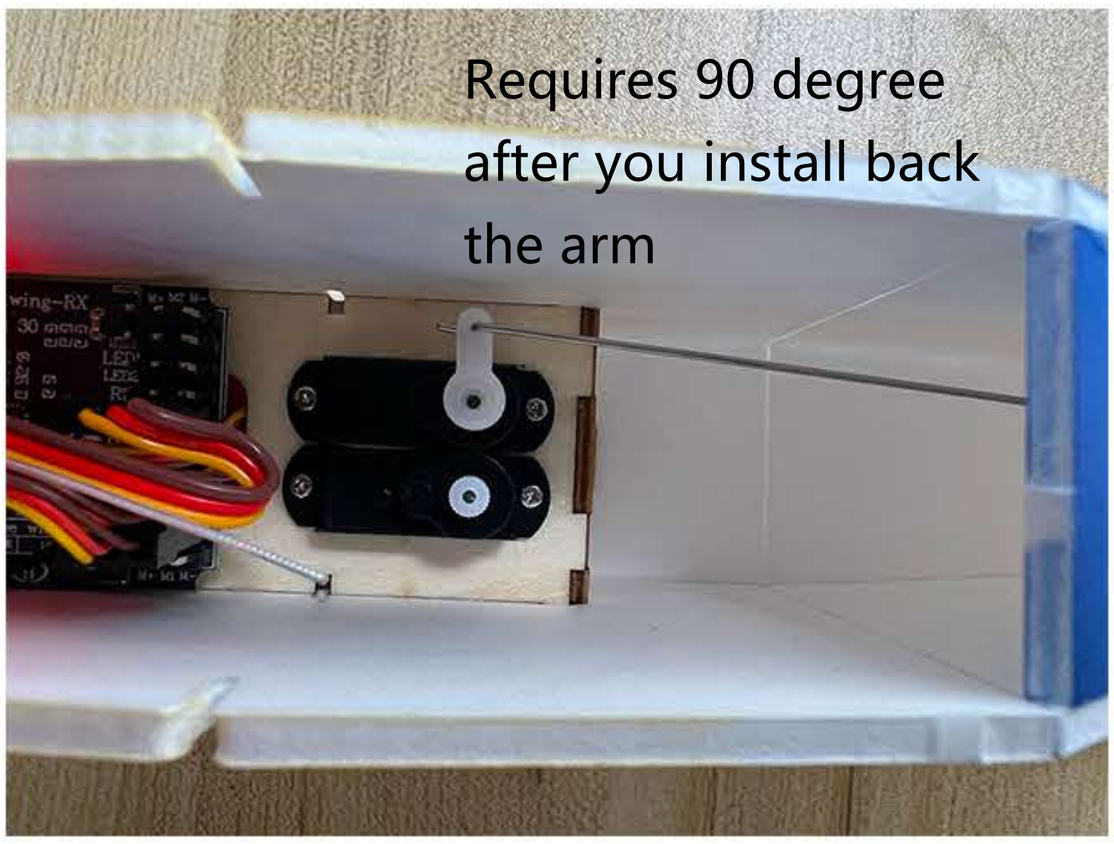
The linkage is long, and it may be bent and deformed during packaging. It can be straightened by hand



Power on the aircraft, servo arm will returns to the neutral point

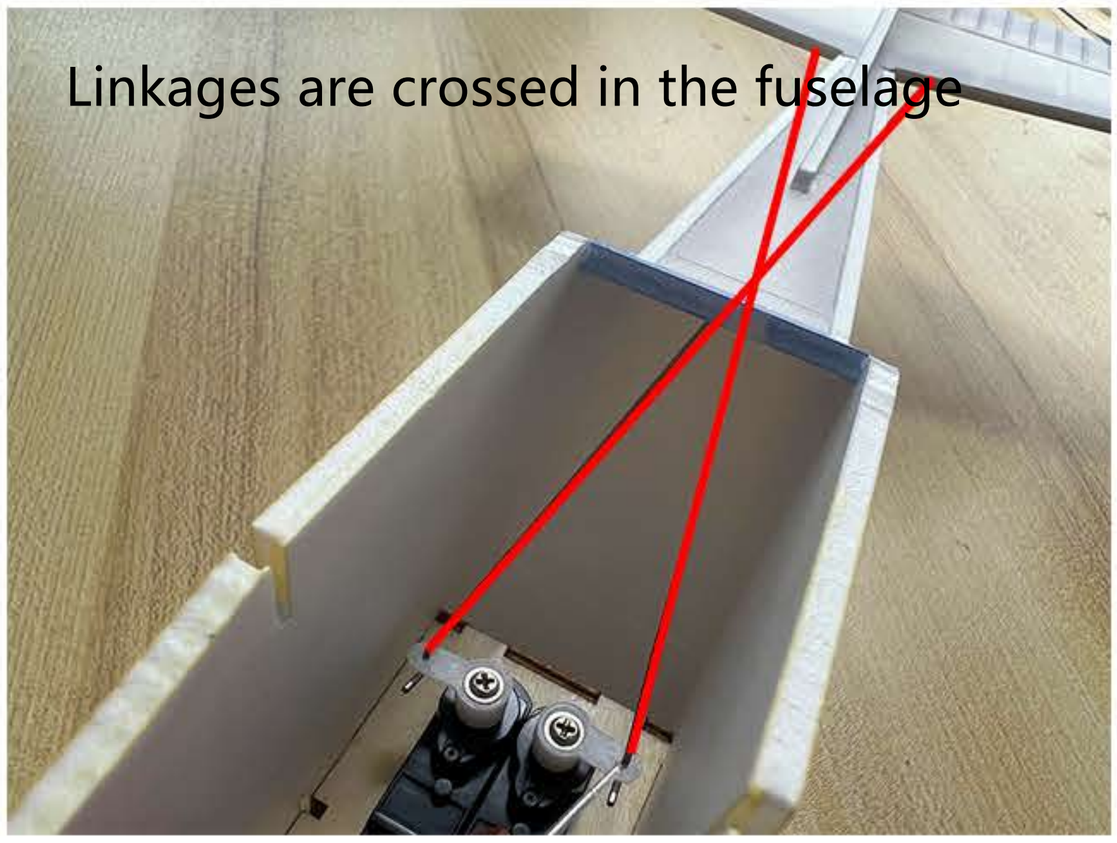

Push it until reach to the servo


Install to the servo arm

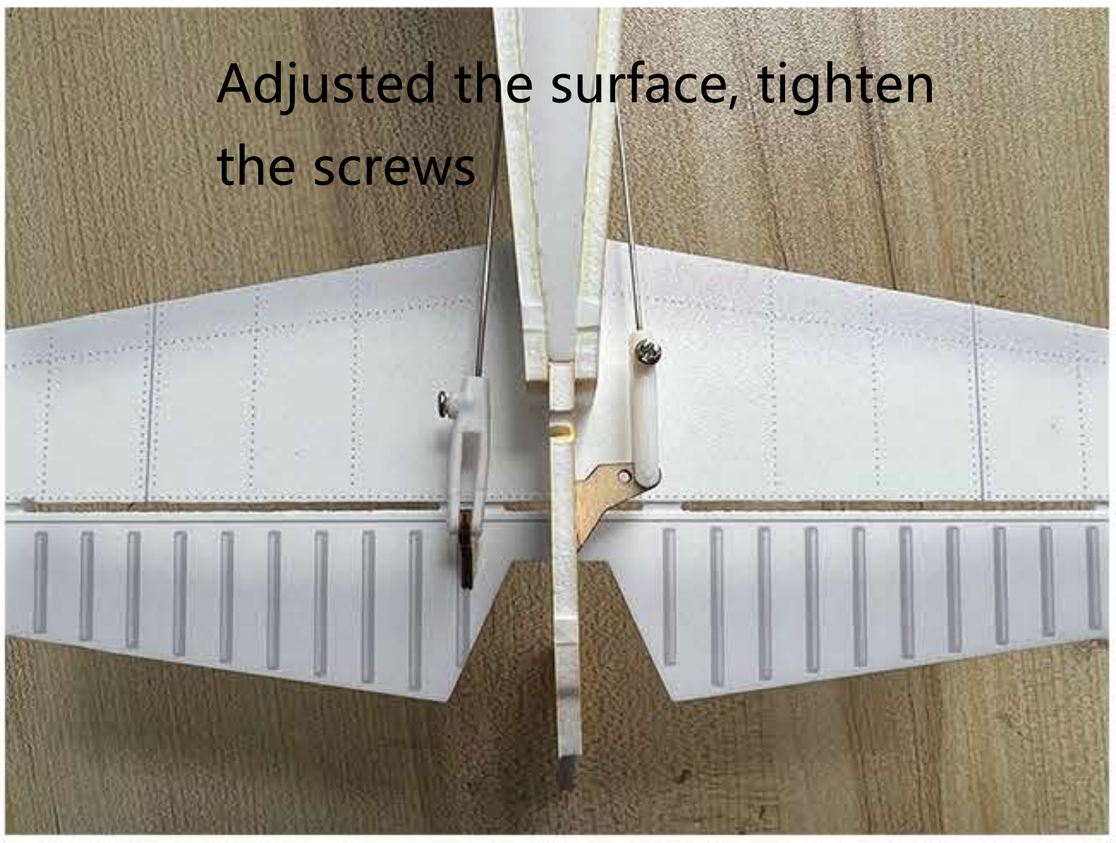

Requires 90 degree after you install back the arm


Tighten screw


N6796
Use the same method to install the other side


Linkages are crossed in the fuselage

Chuck assembly



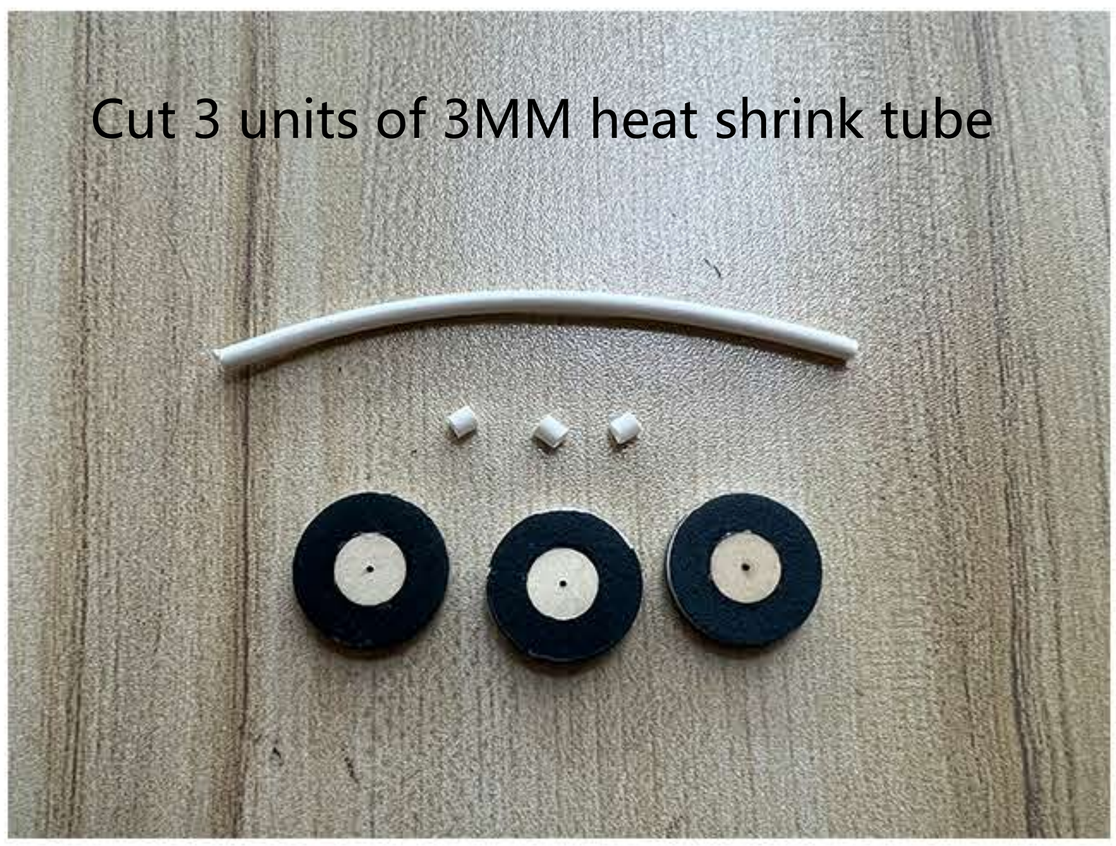
Landing wheels assembly

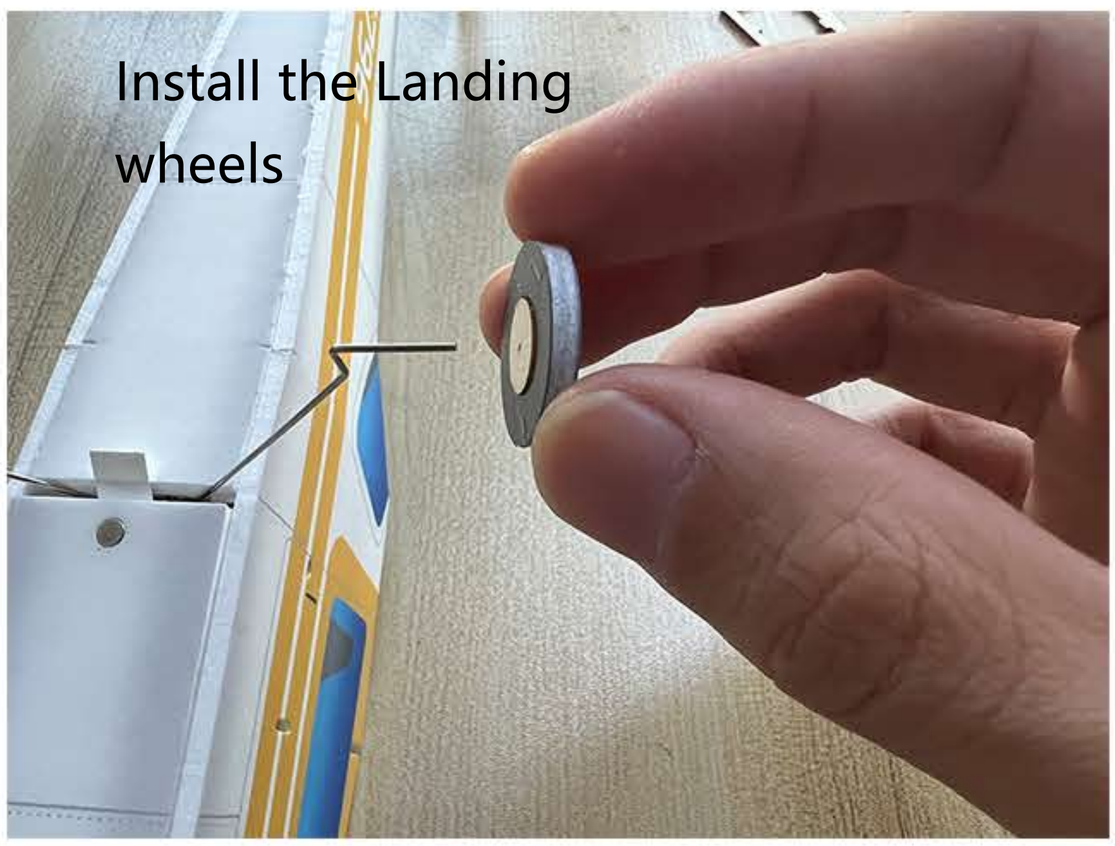
Take out the No.9 board and wheel axle


Apply glue to the inner side of wheel


Press the axle in the wheel and wait to dry


Use the same method to install the rest of wheels

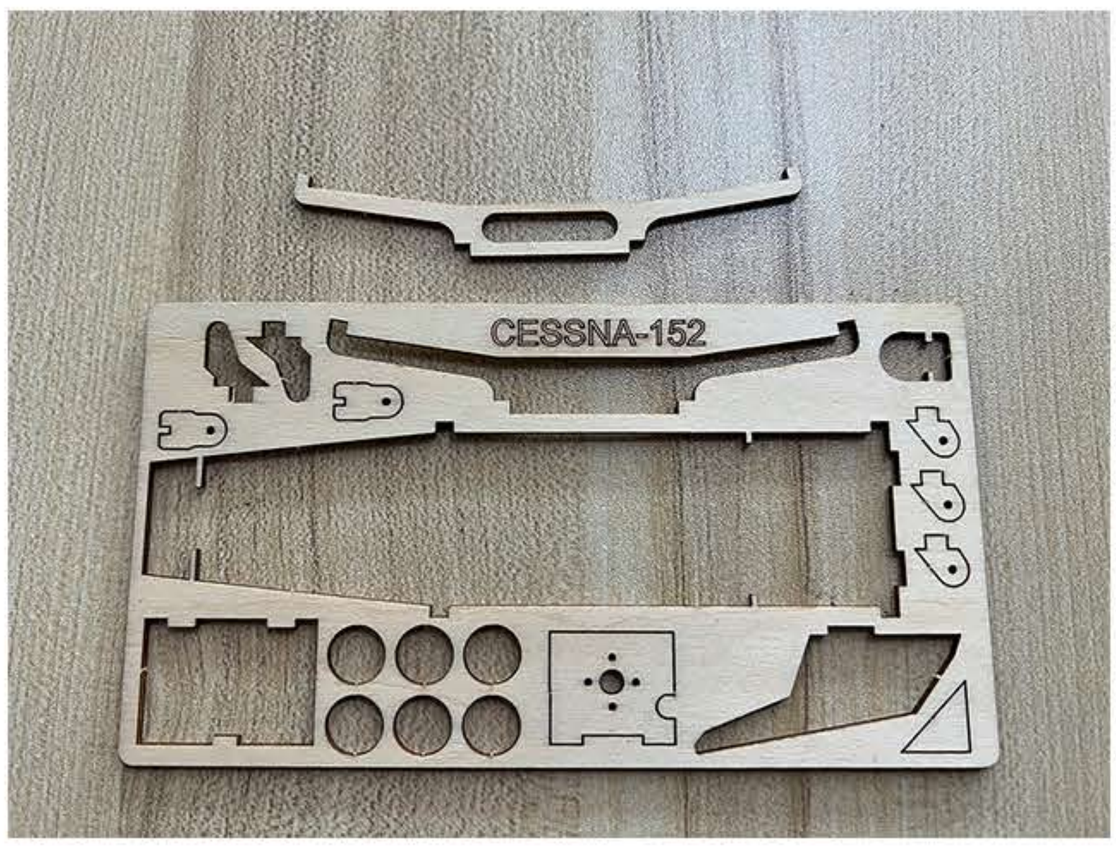

Cut 3 units of 3MM heat shrink tube

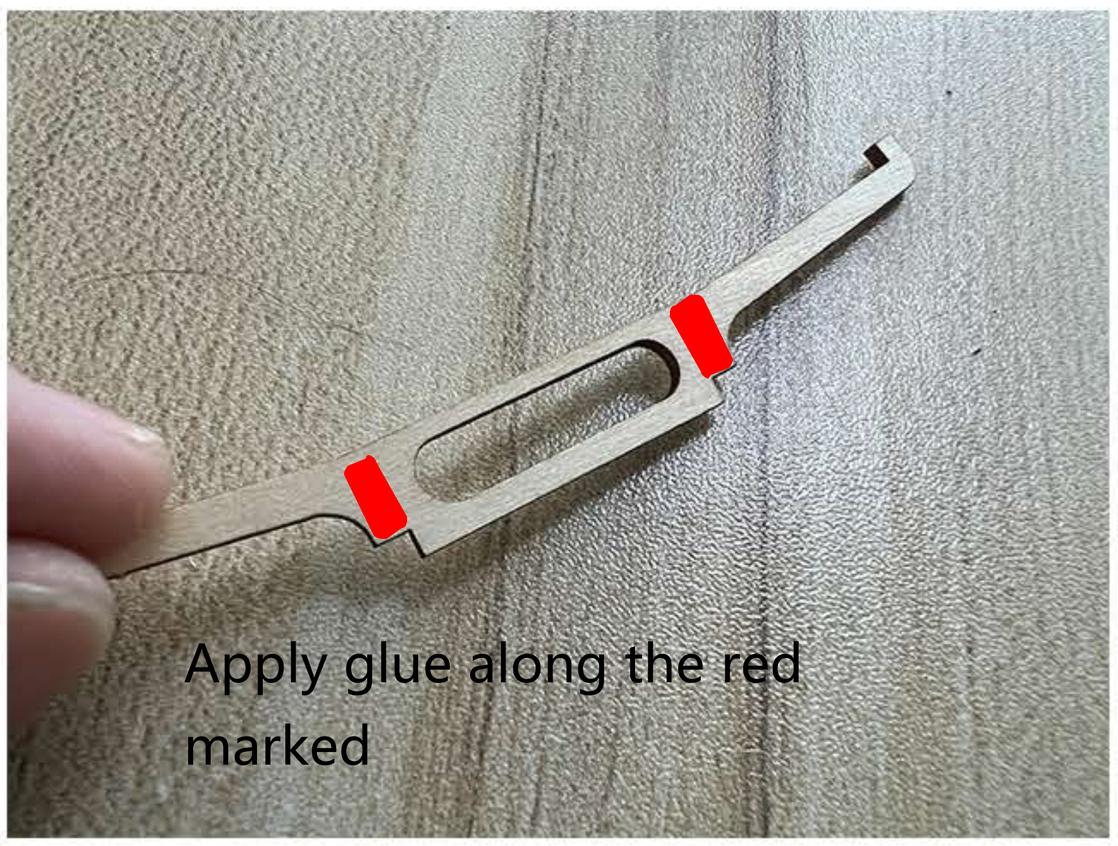

Install the Landing wheels

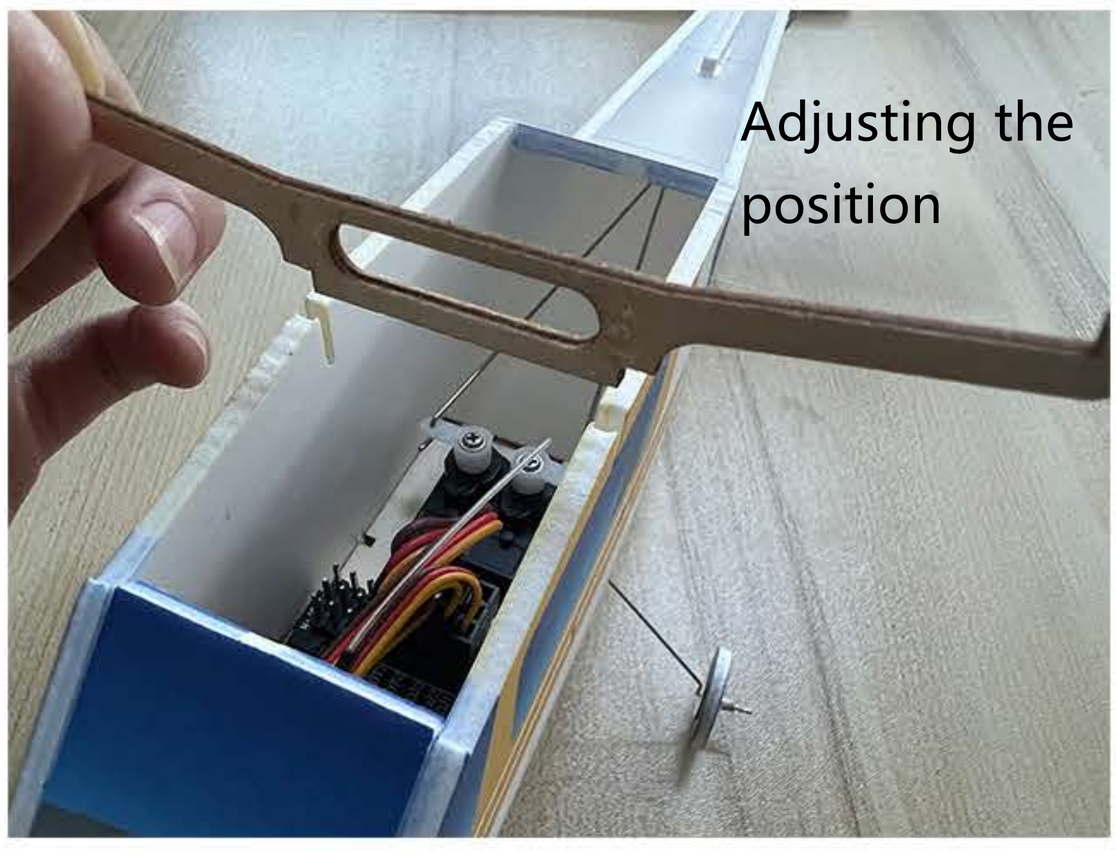
Put on the heat shrinkable tube, do not use fire shrink heat shrink tube, you can use an electric soldering iron or hot metal sheet to iron. Install all three wheels in the same way

Wings assembly

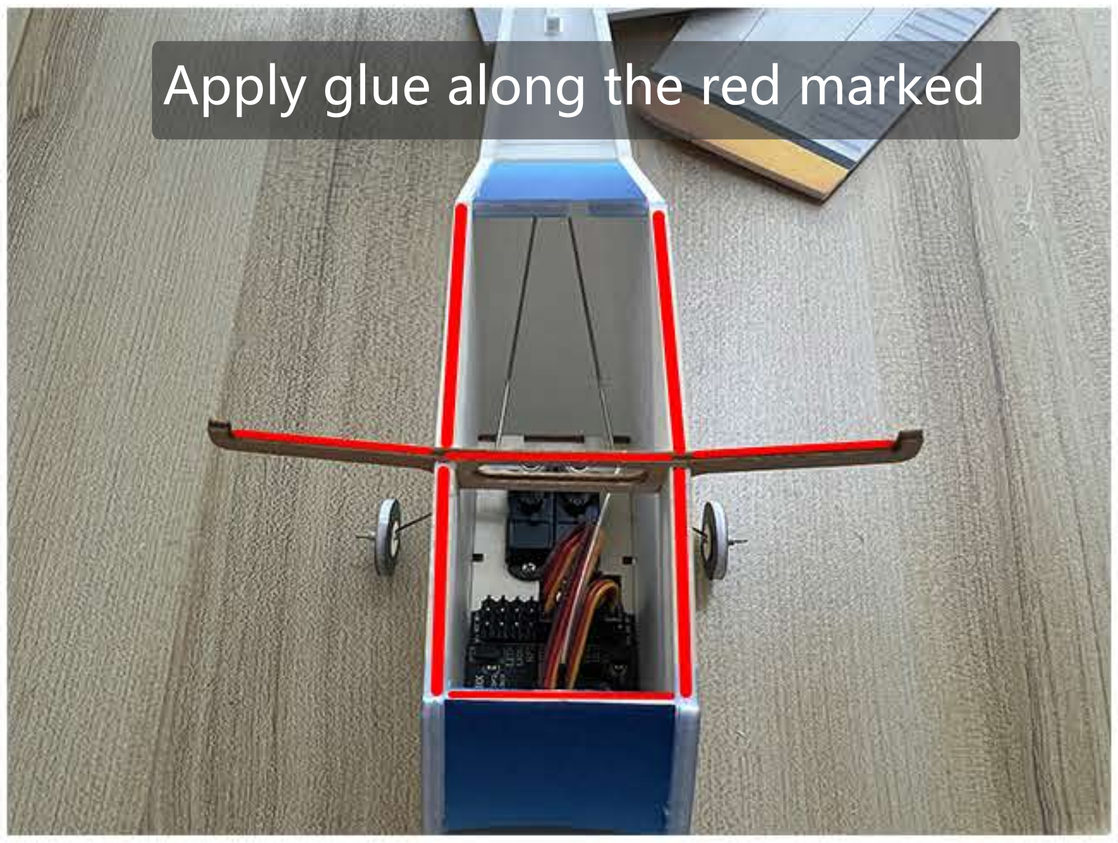
Take out the wing mounting plate

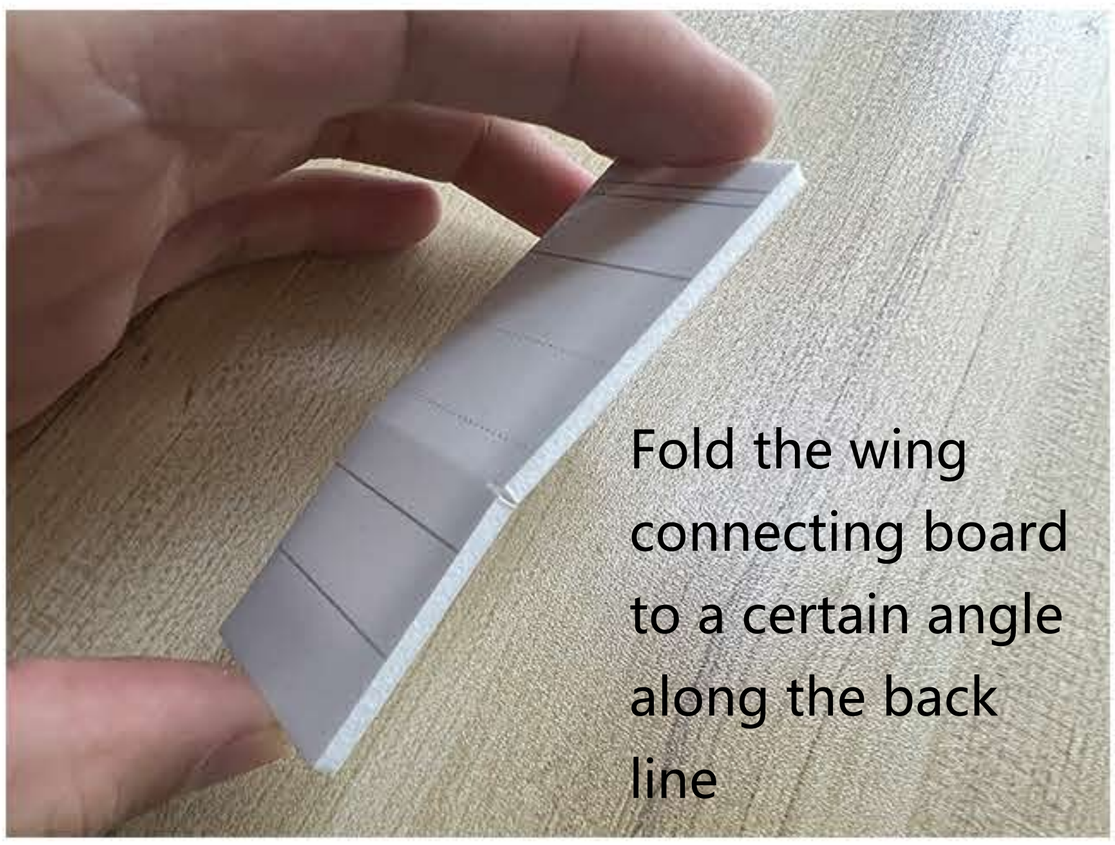


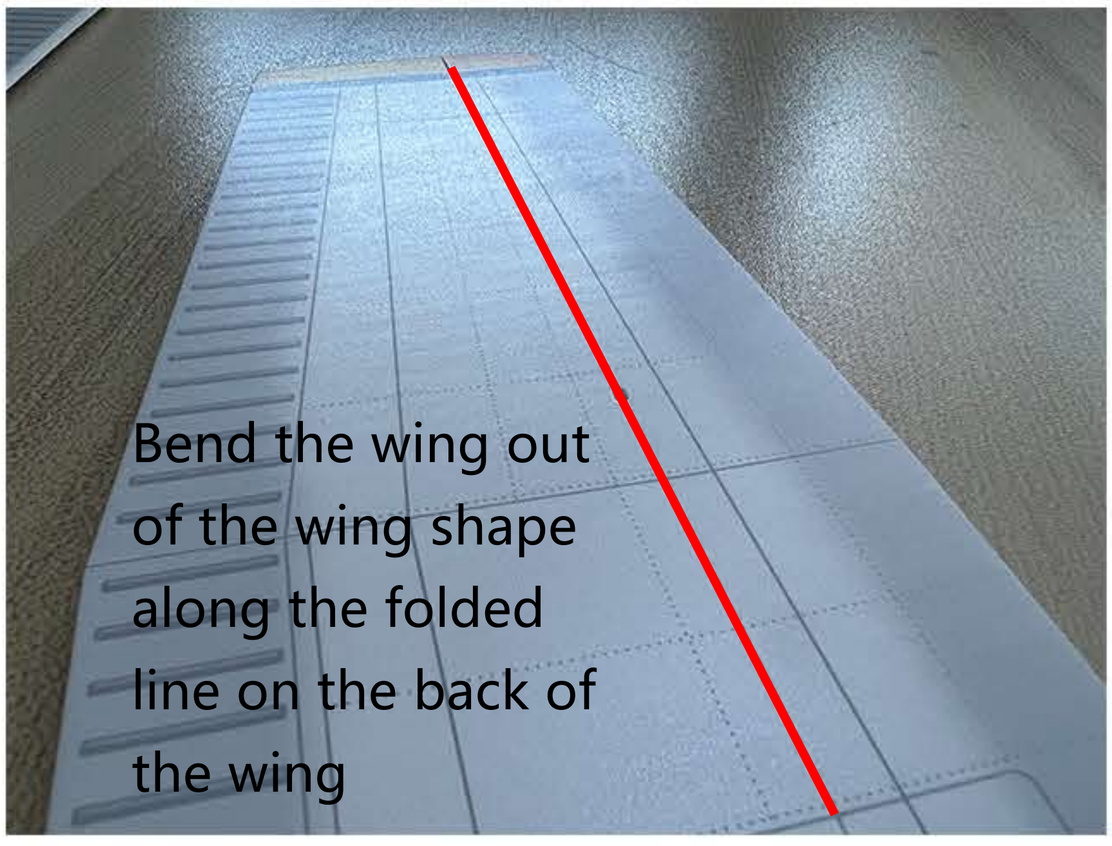


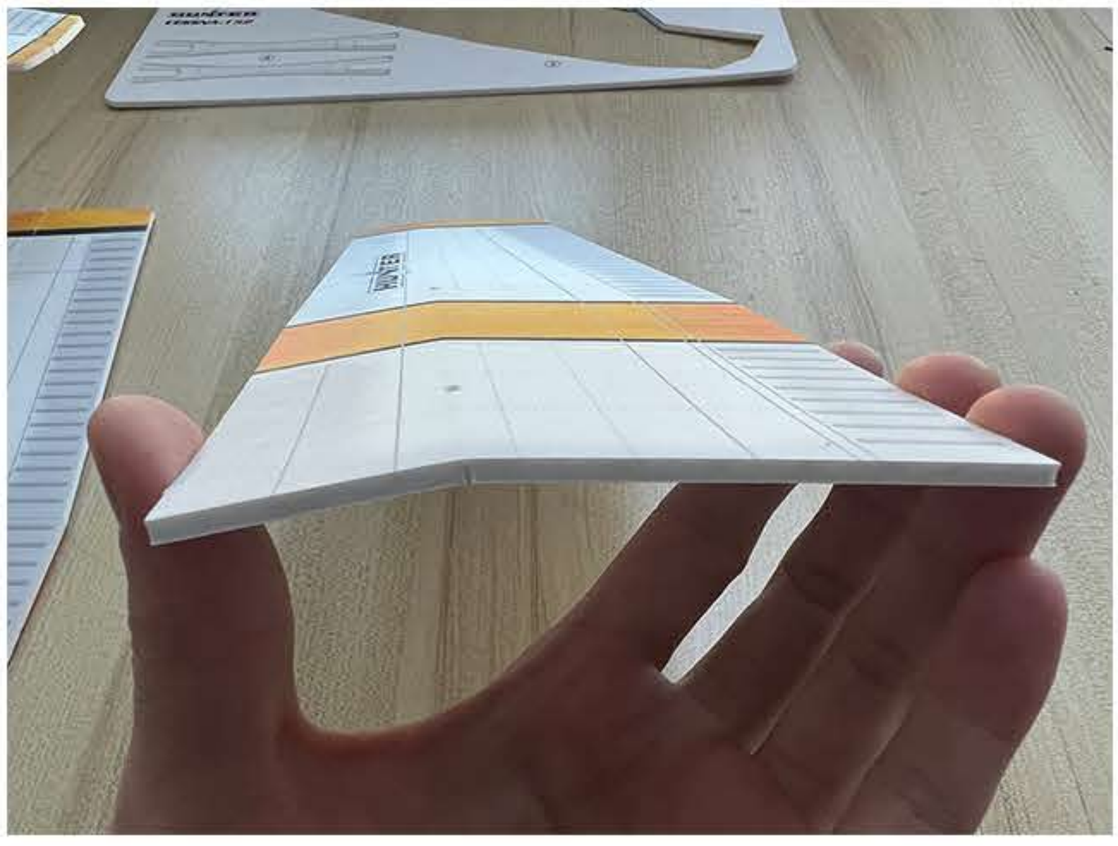


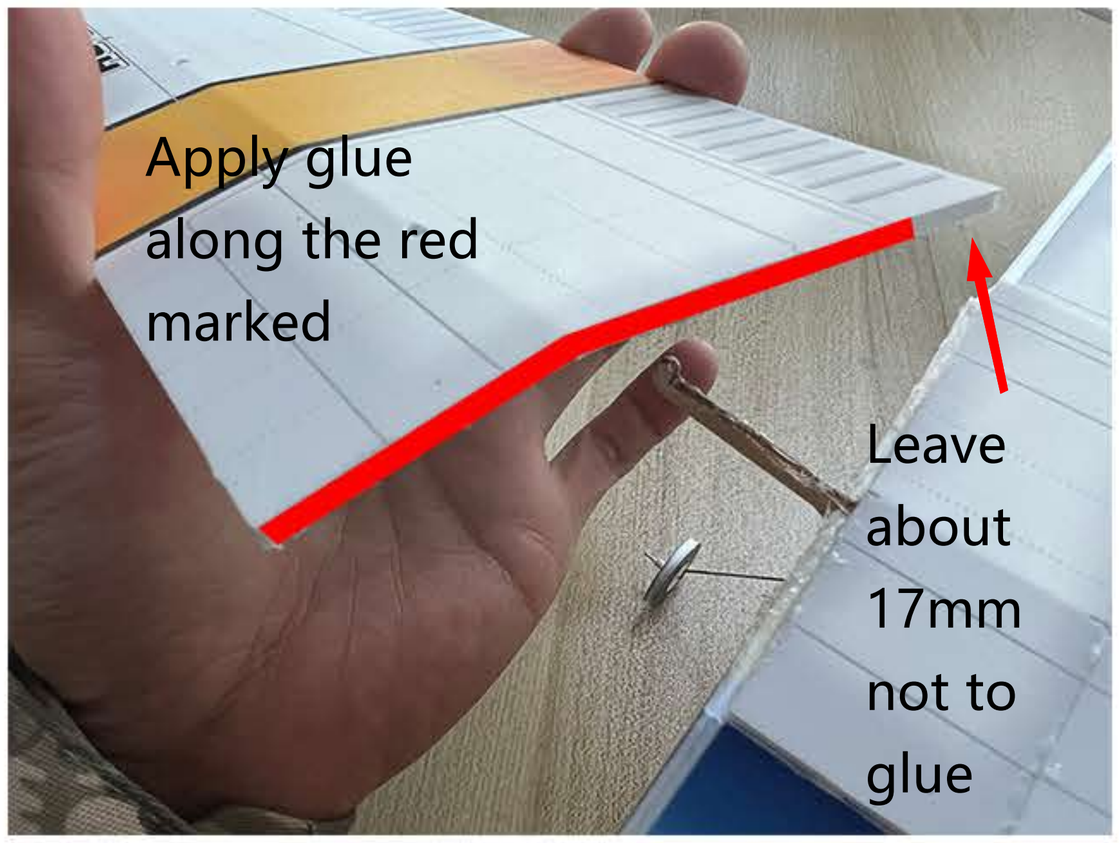
Take out No.10、13、14 board.

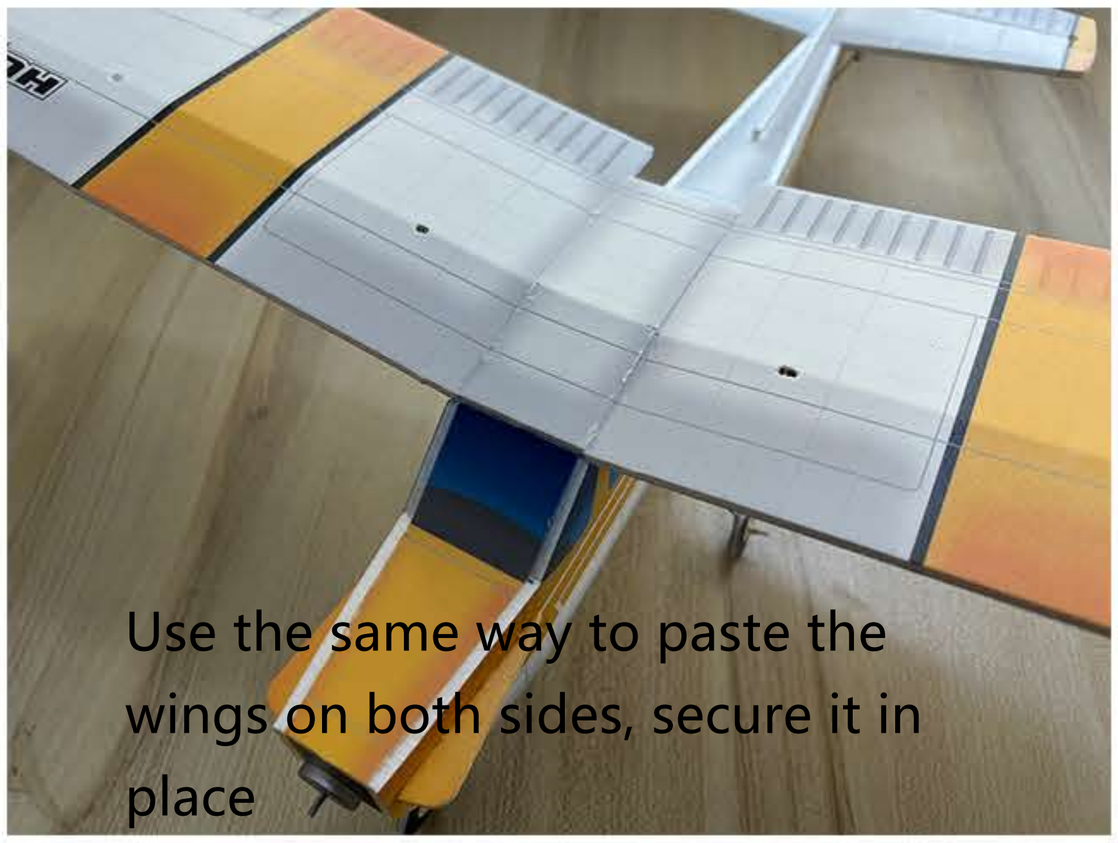






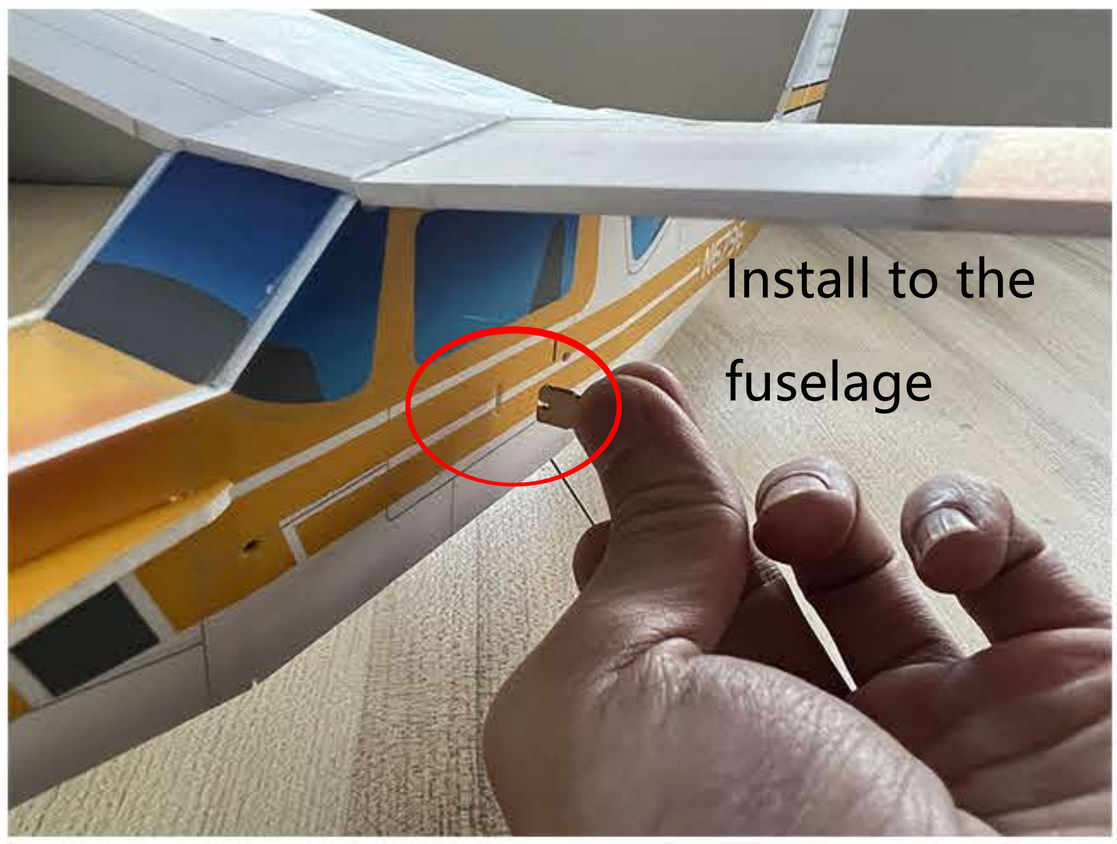


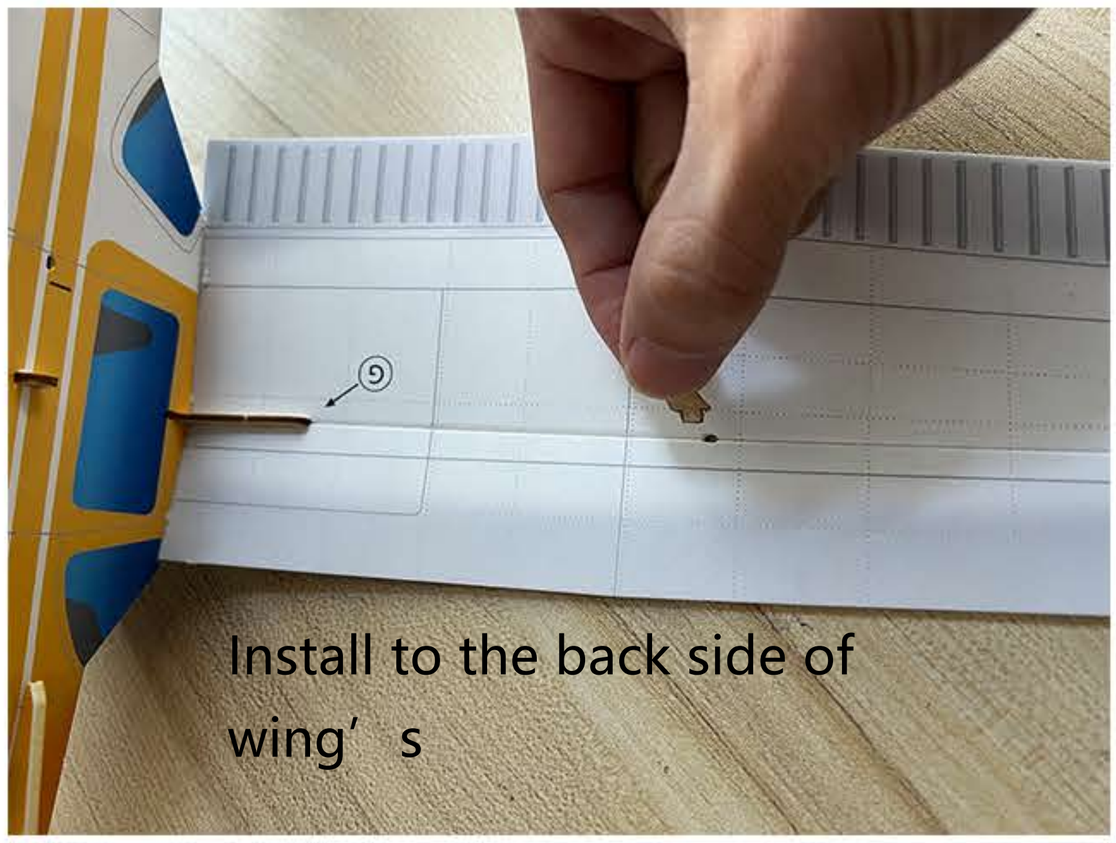




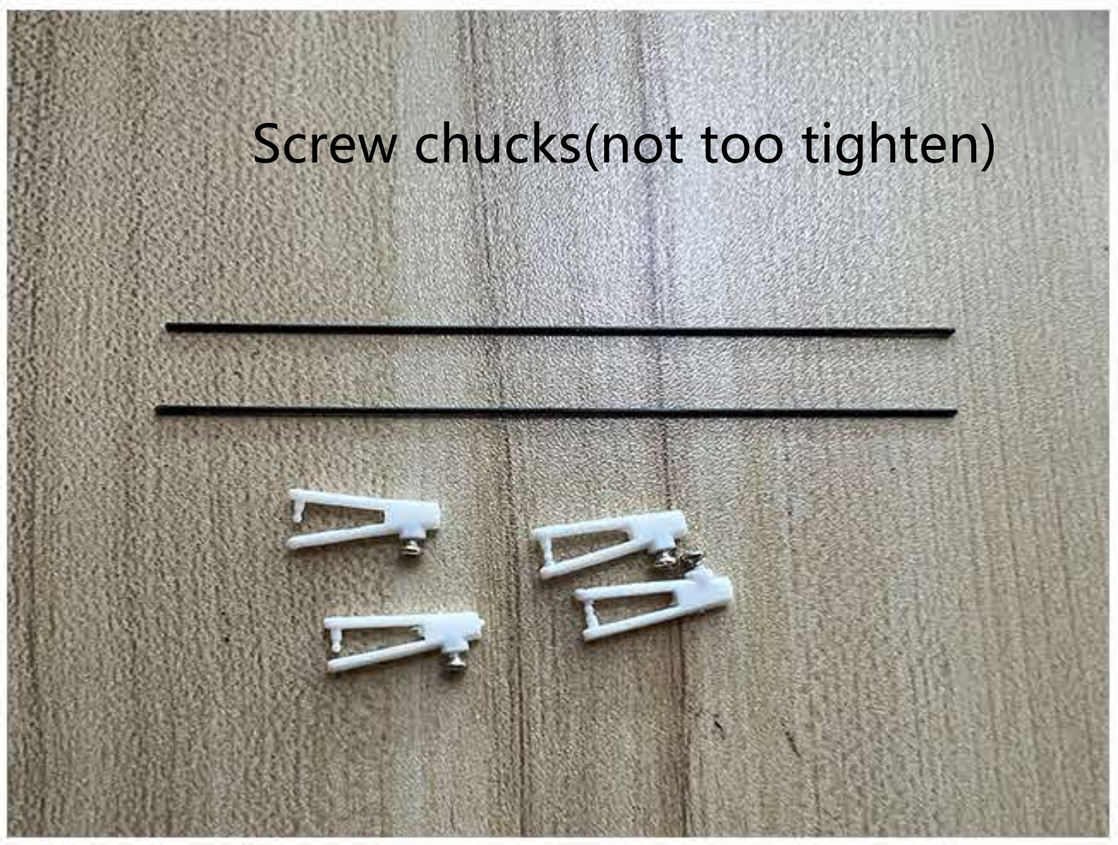
Wing brace mount assembly

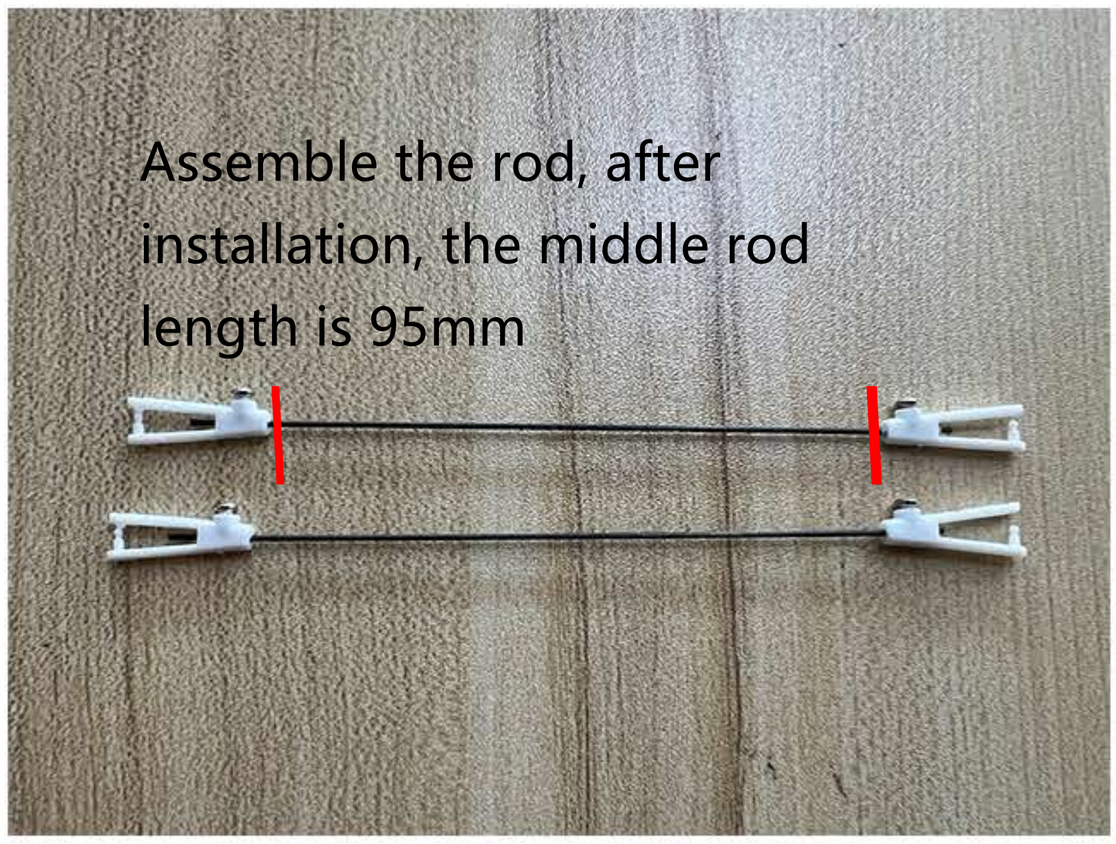
Take out the wing brace mount: wing side and fuselage side




Install to the back side of wing’ s


Attention to the install direction

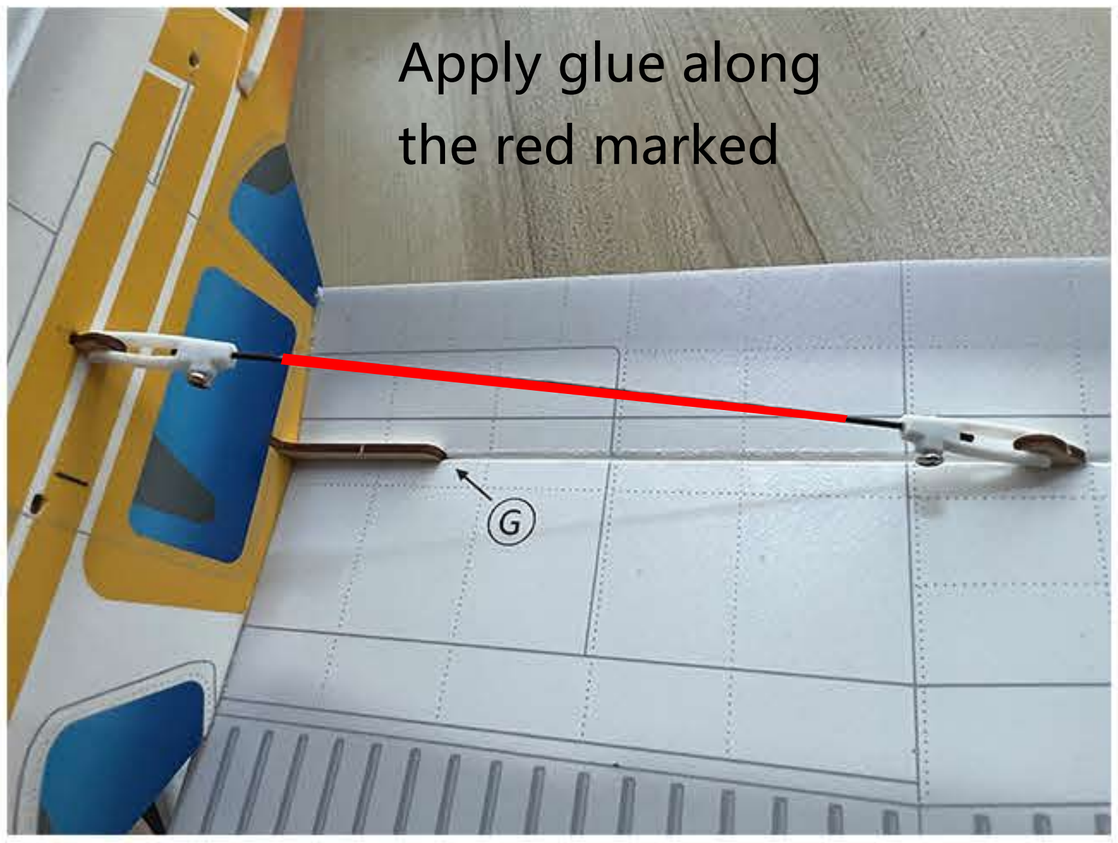

Screw chucks(not too tighten)

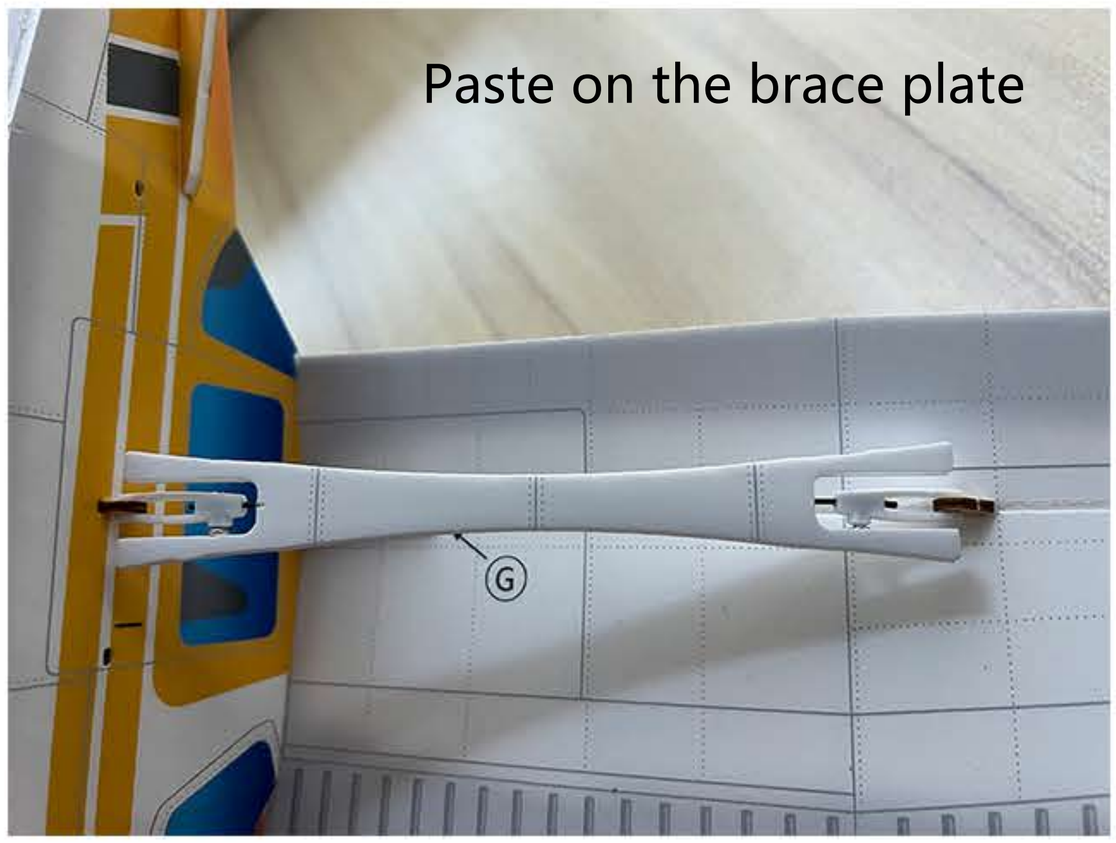

Assemble the rod, after installation, the middle rod length is 95mm


Install to the fuselage and wing side

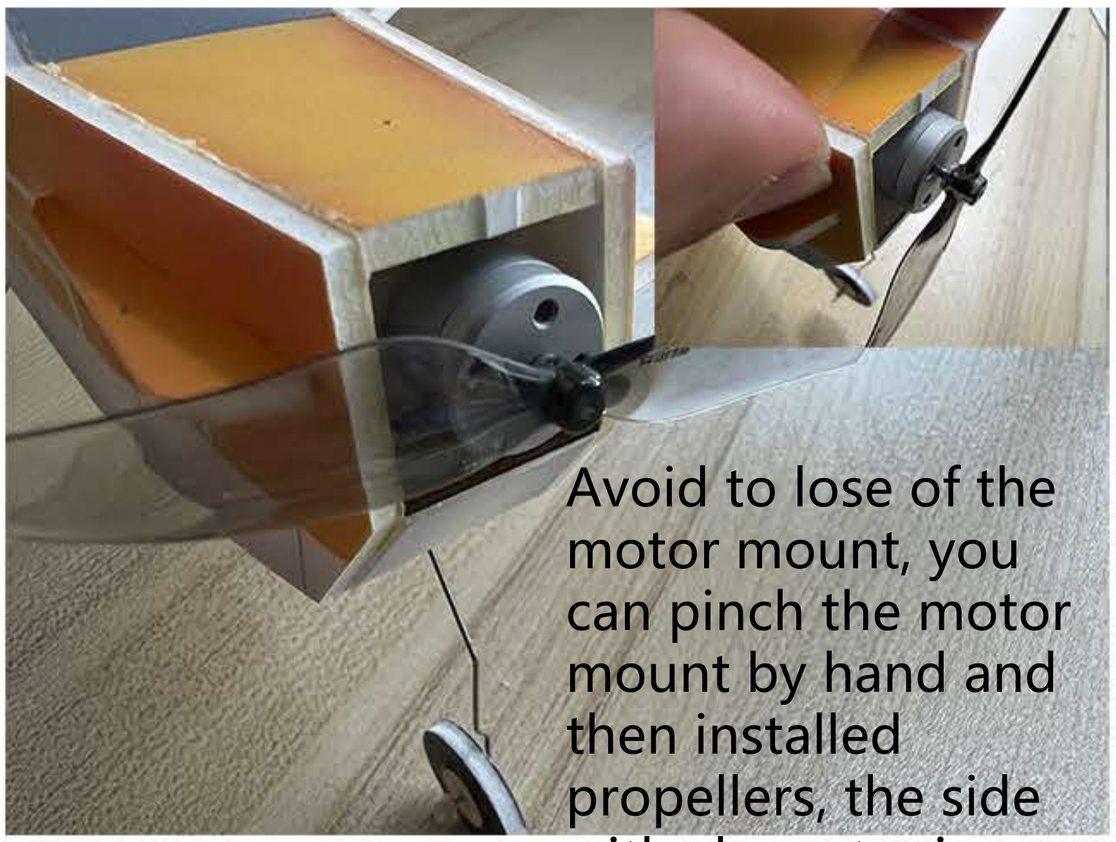
Take out No.4 board.

Apply glue to the brace rod and paste on the brace plate





Install the propeller



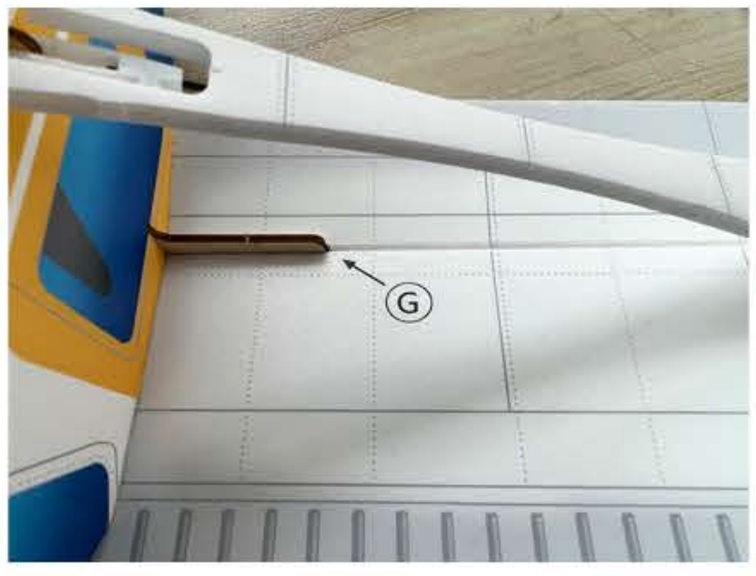
三、Trial flight

1.Always respect the rules provided by your local remote control aircraft organization. Choose an appropriate flying site consisting of a large open space to ensure the safety of yourself, others and your model.

2. Power on the aircraft, test all channels and functions, make sure all running properly.

3.If you are using throw away to take off, please must attention to the propeller, avoid any unnecessary injuries.

CG is in the position of wing mount as below shows:



X6 Radio User Guide

5 Safety throttle lock button: Press once to unlock, press once to lock

6 Flight mode: Self stabilizing/ manual(default is self-stabilizing mode) Supports to cyclic switching

7 Sensitivity switch: High sensitivity/Low sensitivity(default is low) Supports to cyclic switching

8 Color switch: Default is red color. (When using RX1.0 flight controller, it supports to control the variable light color’ s output)