

SU27 Assembly Guide

Thanks for buying Hunter SU27 airplane, please read this guide carefully to understand correctly the assembly procedure before assembling, wish you have a fun fly!



Product Name: Hunter SU27 airplane

Dimension: L600mm/H140mm/Wingspan400mm

Motor: Brushless 1404 / 3500KV

ESC: 12A

Battery: 7.4V Lipo

Servo: x 2

Flight controller: RX-1.0

Propeller: 3.8X3

Weight(PNP): 98g

Weight(take-off): 138g

Package size: 430mm x 320mm x 50mm

Feature:

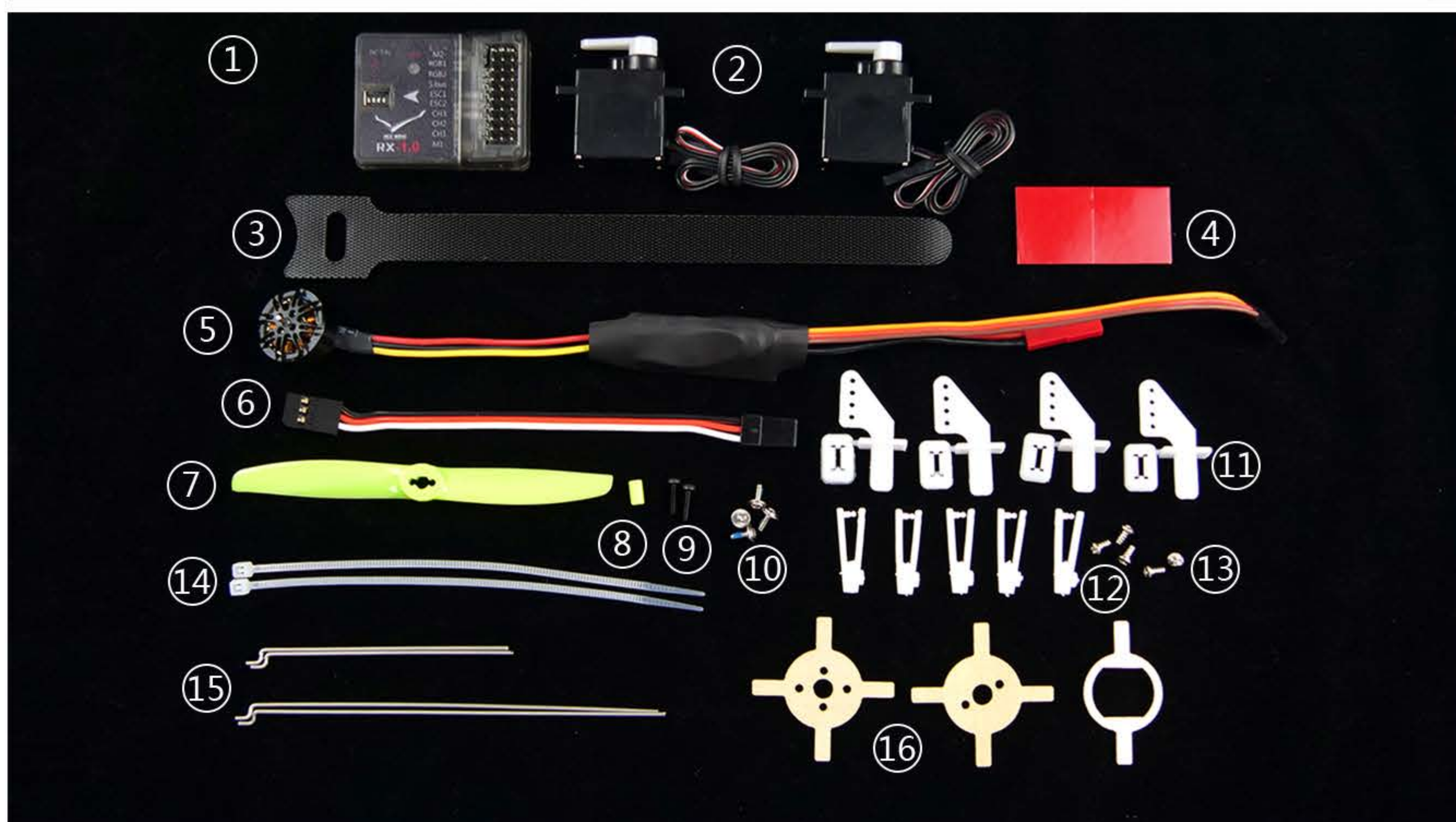
This products are producing by MPP magic board, UV print and laser cutting. With gorgeous workmanship and exquisite appearance, this incredible creative RC plane machine is made of lightweight and super durable material, tough and high strength. We set version, which is very suitable for the DIY of airplane model enthusiasts. Electronic combo comes with brushless motor and esc, providing powerful performance. There also have flight controller which can self-stabilize flight control, Achieve one-button takeoff and

一、 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 hot melt glue

二、 Assembly

1. Open the package, you can see component below as shown

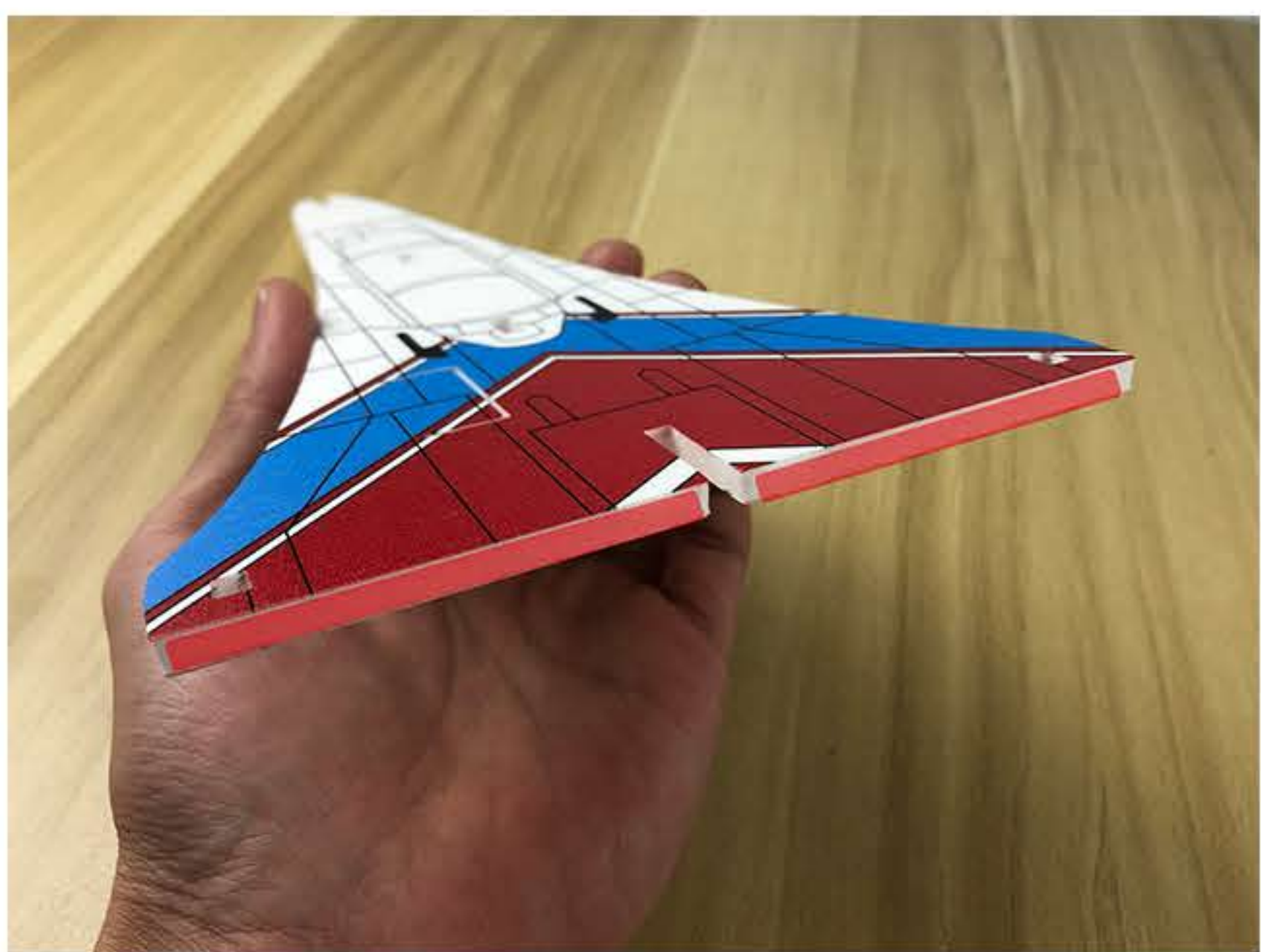


- ① 1.RX-1.0 ② Servo*2 ③ Battery Velcro ④ Double-sided tape
- ⑤ Motor/ESC ⑥ S.bus cable ⑦ Propeller ⑧ Propeller plug
- ⑨ 2*8 propeller screws ⑩ 2*5 motor screw ⑪ Nylon horn ⑫ Nylon lock
- ⑬ lock screw ⑭ Nylon Cable Ties ⑮ Linkage ⑯ Motor mounting plate

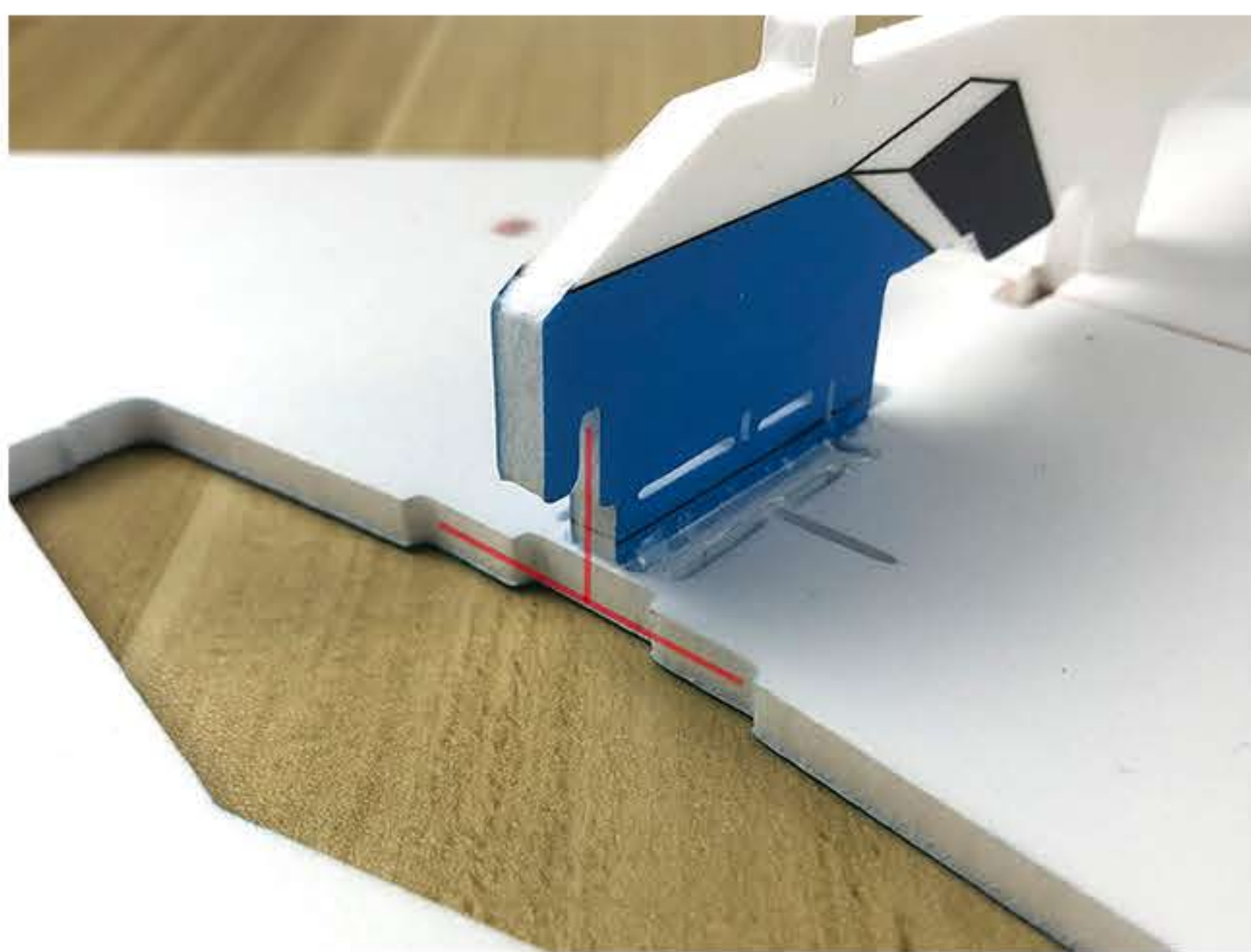
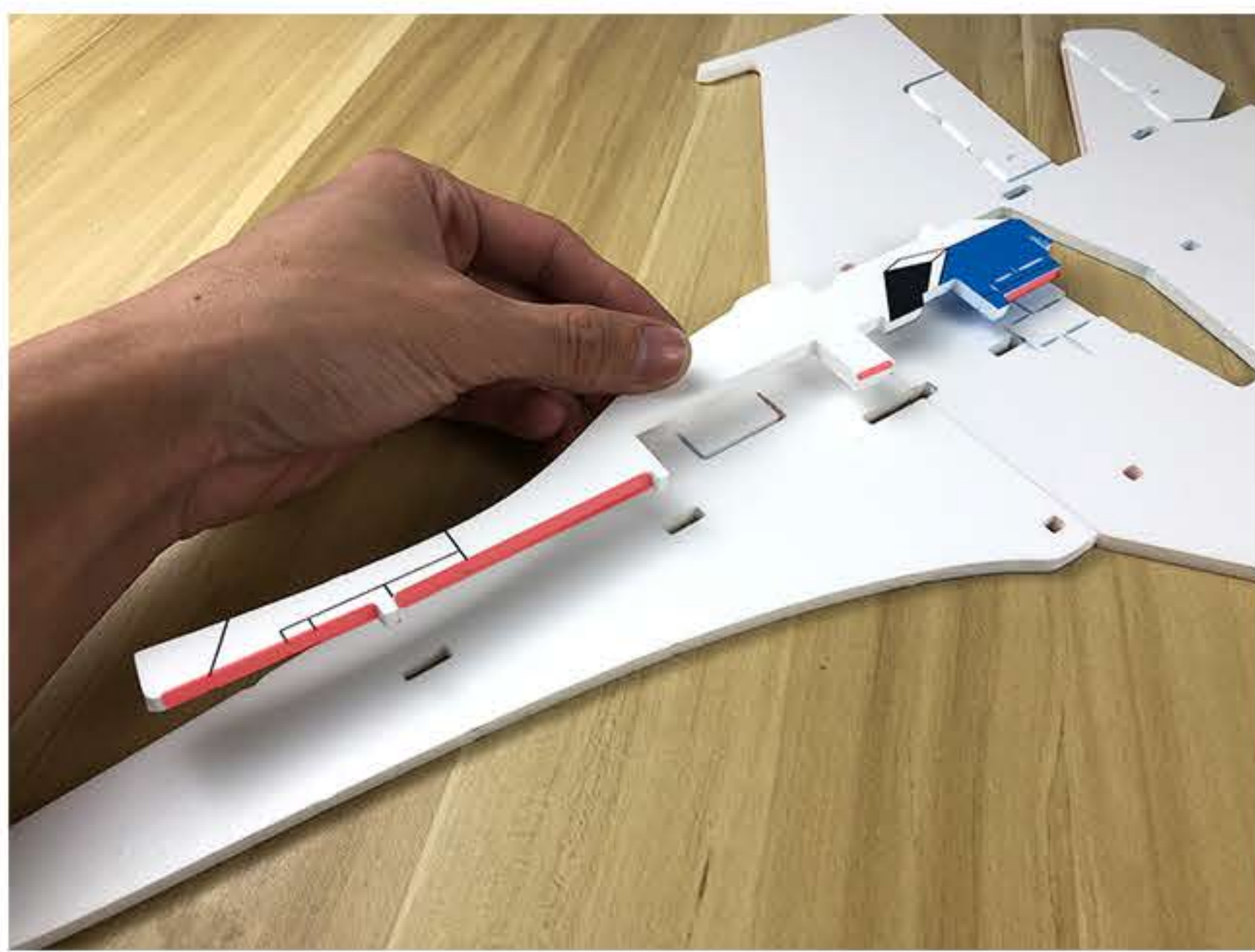
2. Find the No.1 board, cut the tag by knife (Note: all of the following operation requires neatly cut)



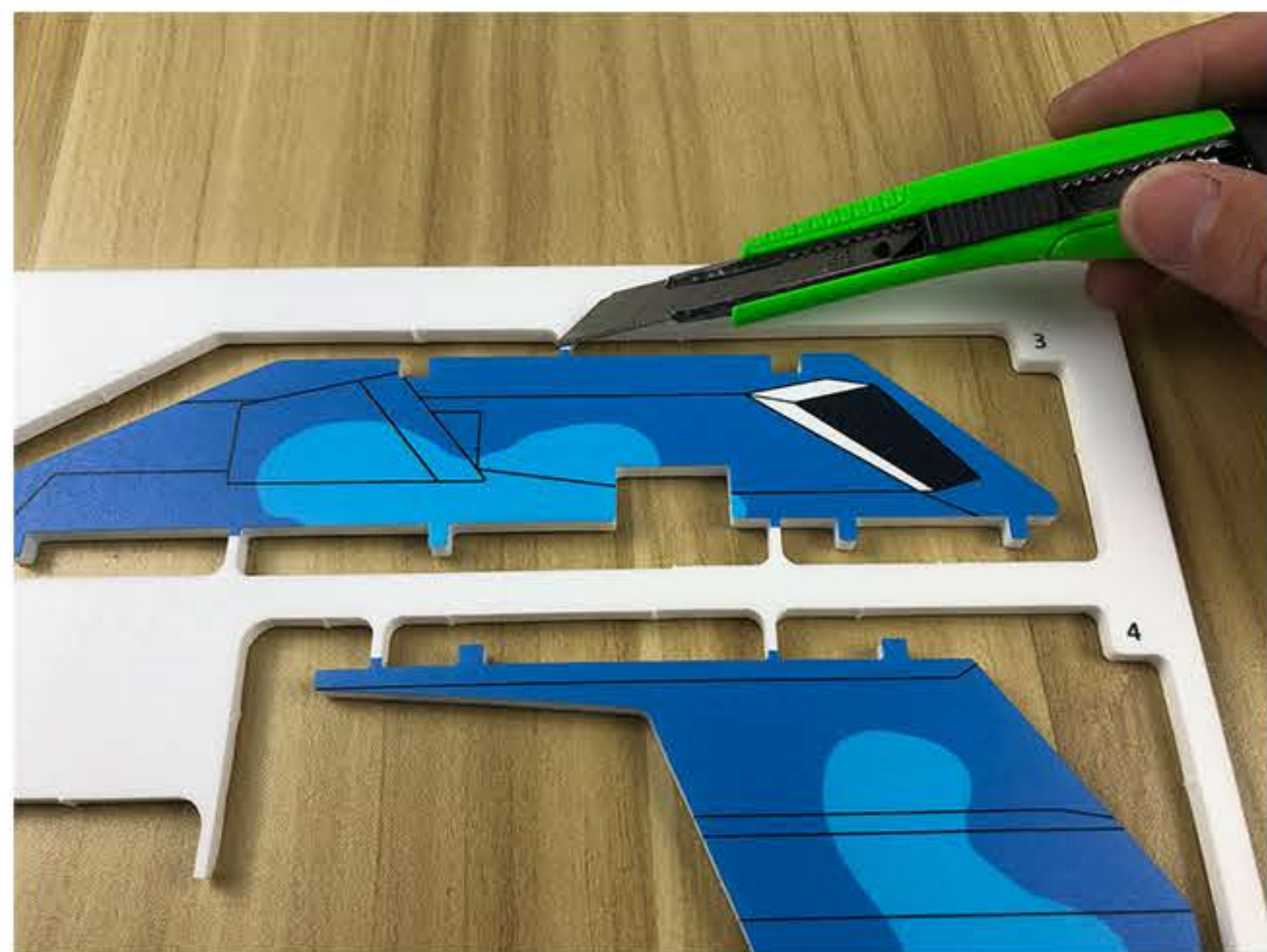
3. Find the No.2 board, cut along the connecting side. As shown below, use foam glue or hot melt glue to bond (The red color point) all of the following bonding are the same operate , make sure you already aligned position before glue.(You can lay flat the board on the table after bonding, use a weight thing to secure and avoid uneven bonding, influence flight) Wait for glue dry to do the nest step.

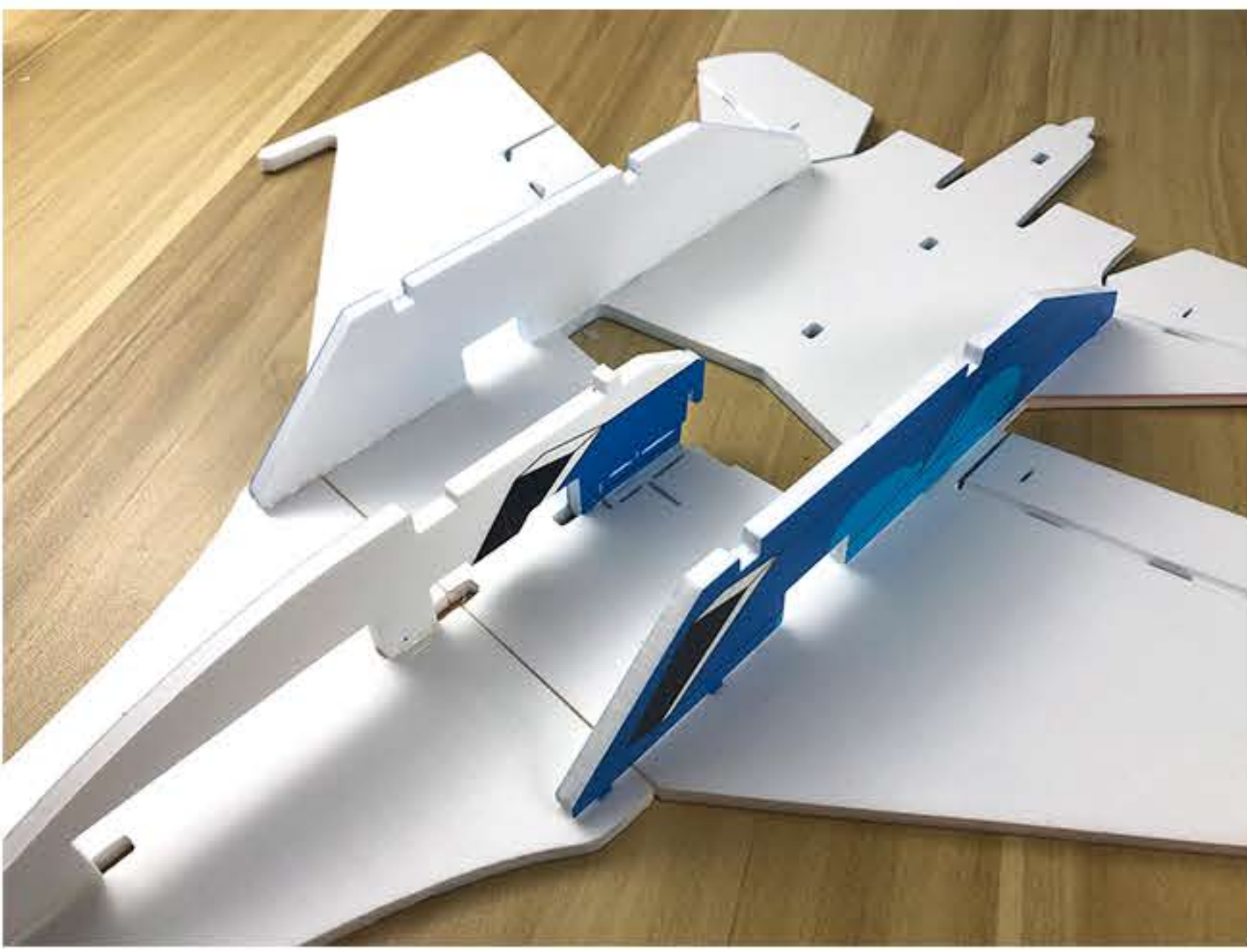


4. Find the No.7 board, cut along the connecting side.(As shown below) Bond the surface and notice to adjust the position for align. (Note: the motor position, make sure the cross position is aligned properly when install)

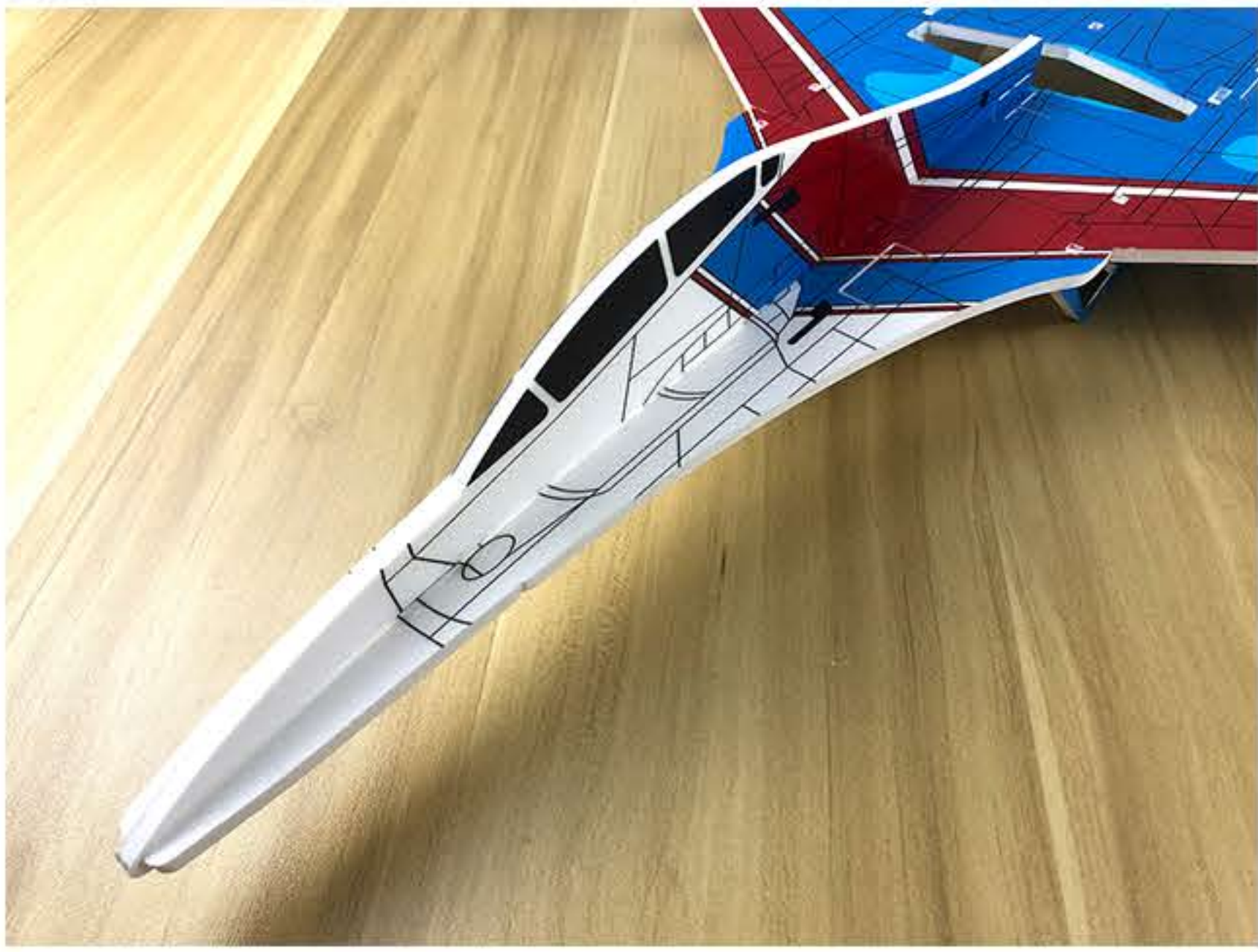
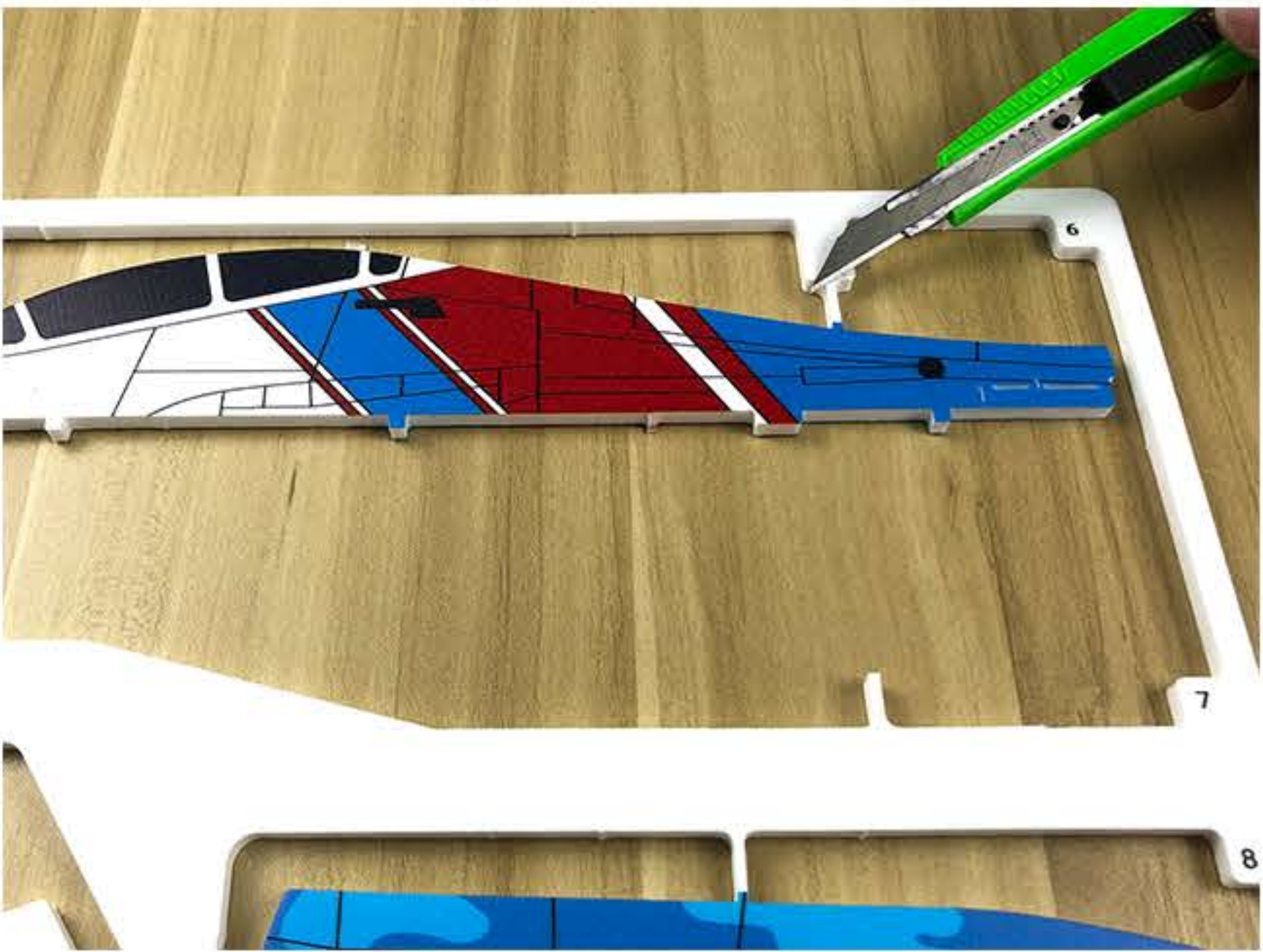


5. Find the No.3 and No.5 board, cut along the connecting side. Align and bond as shown below.

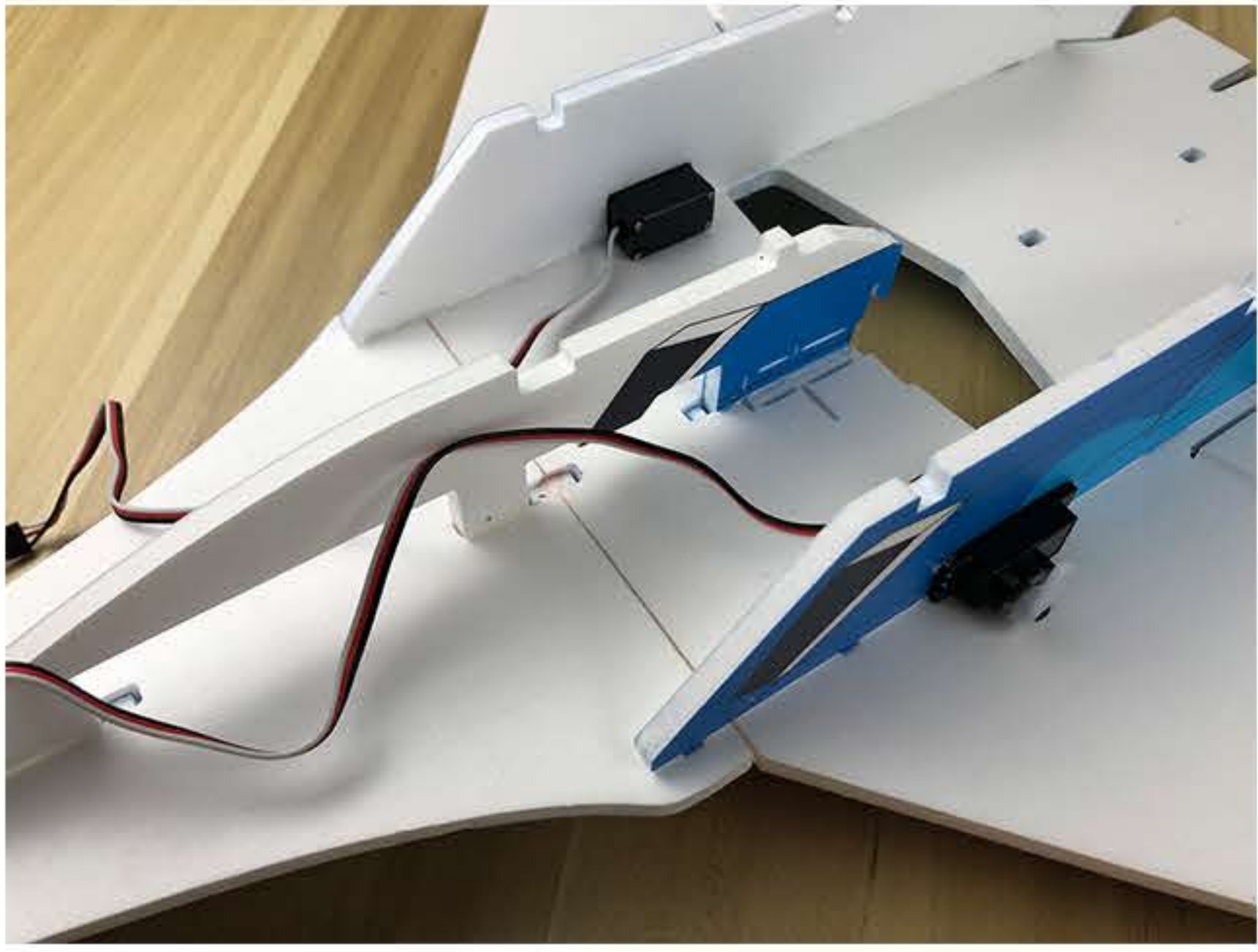
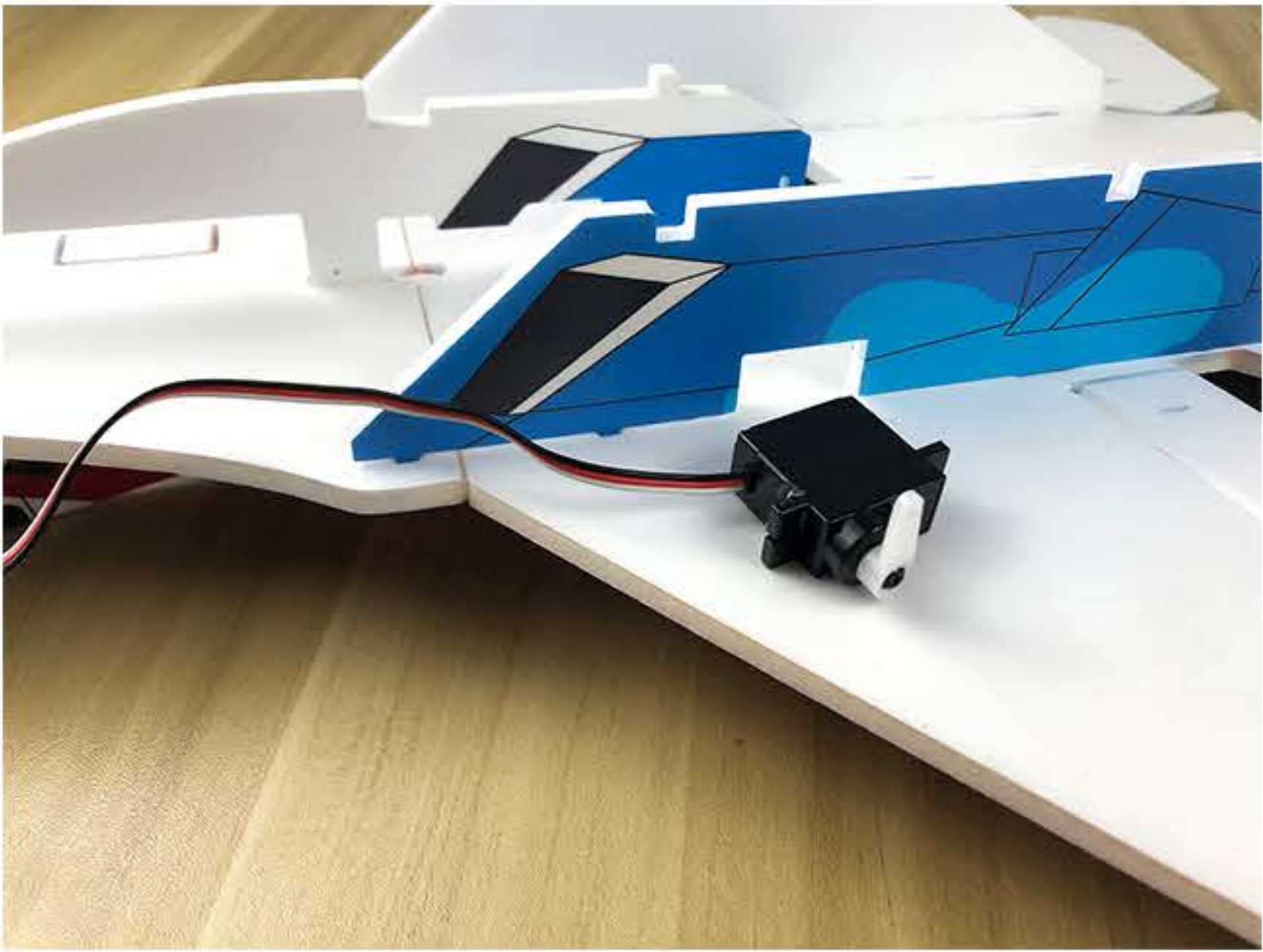




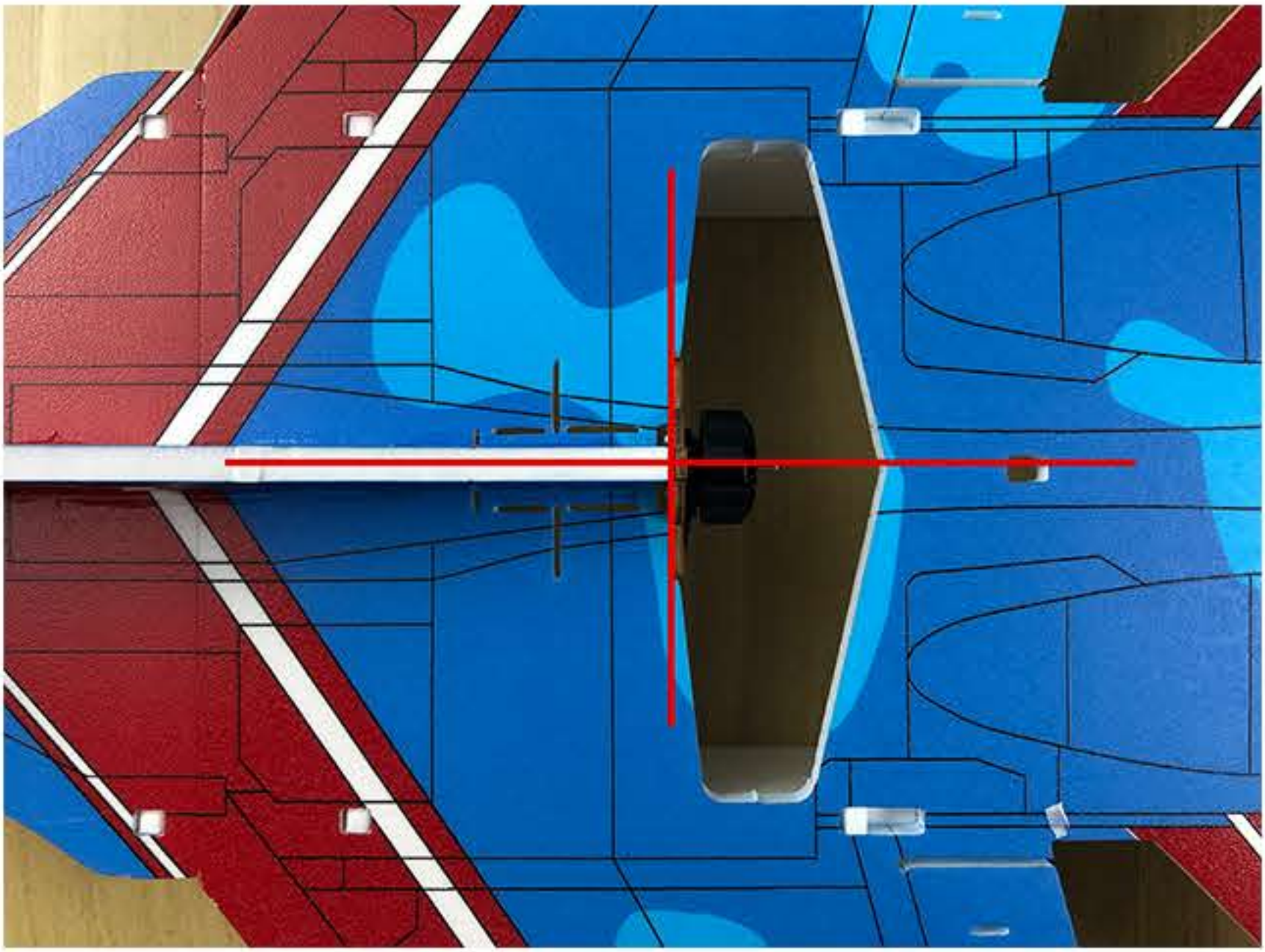
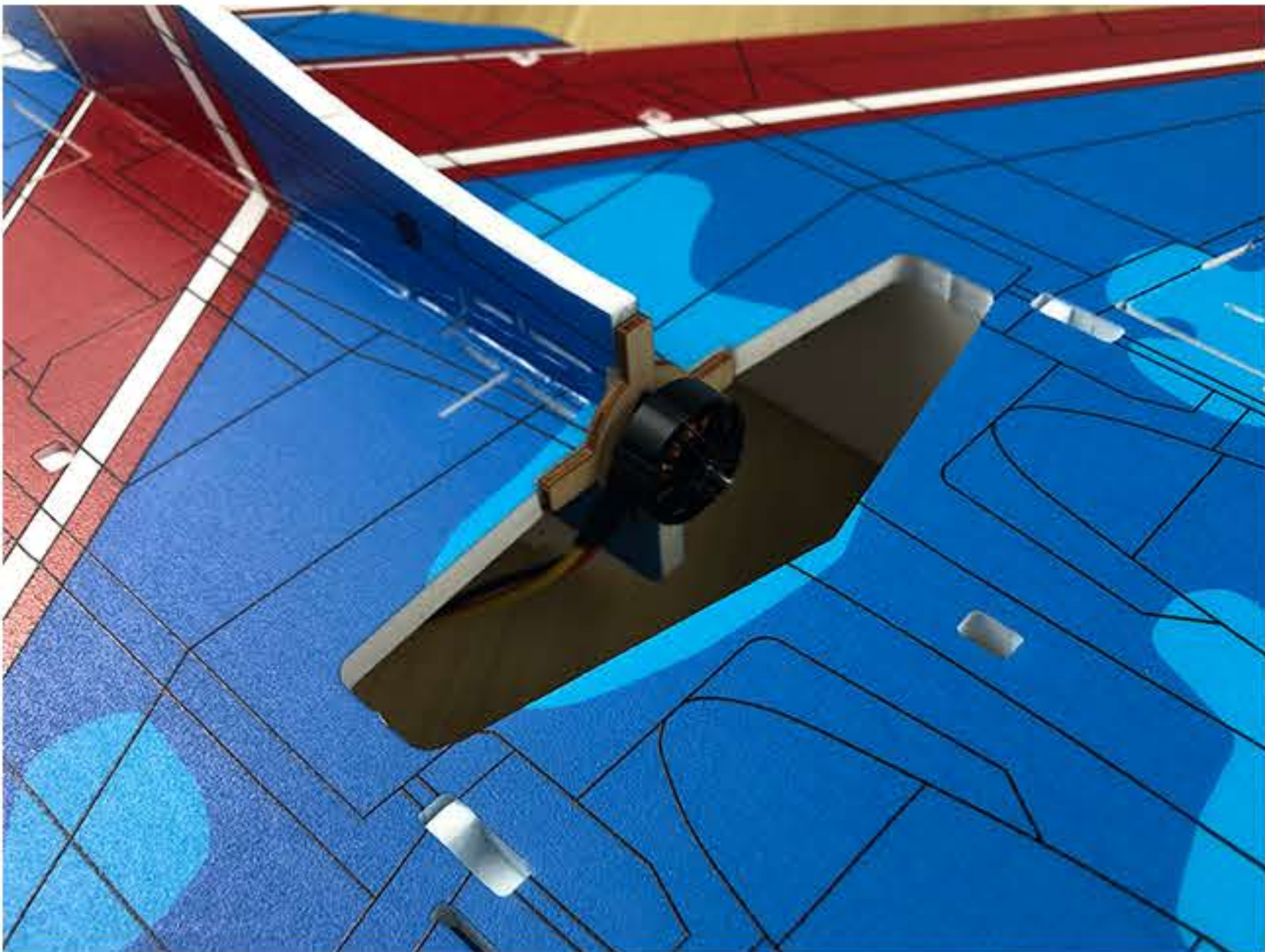
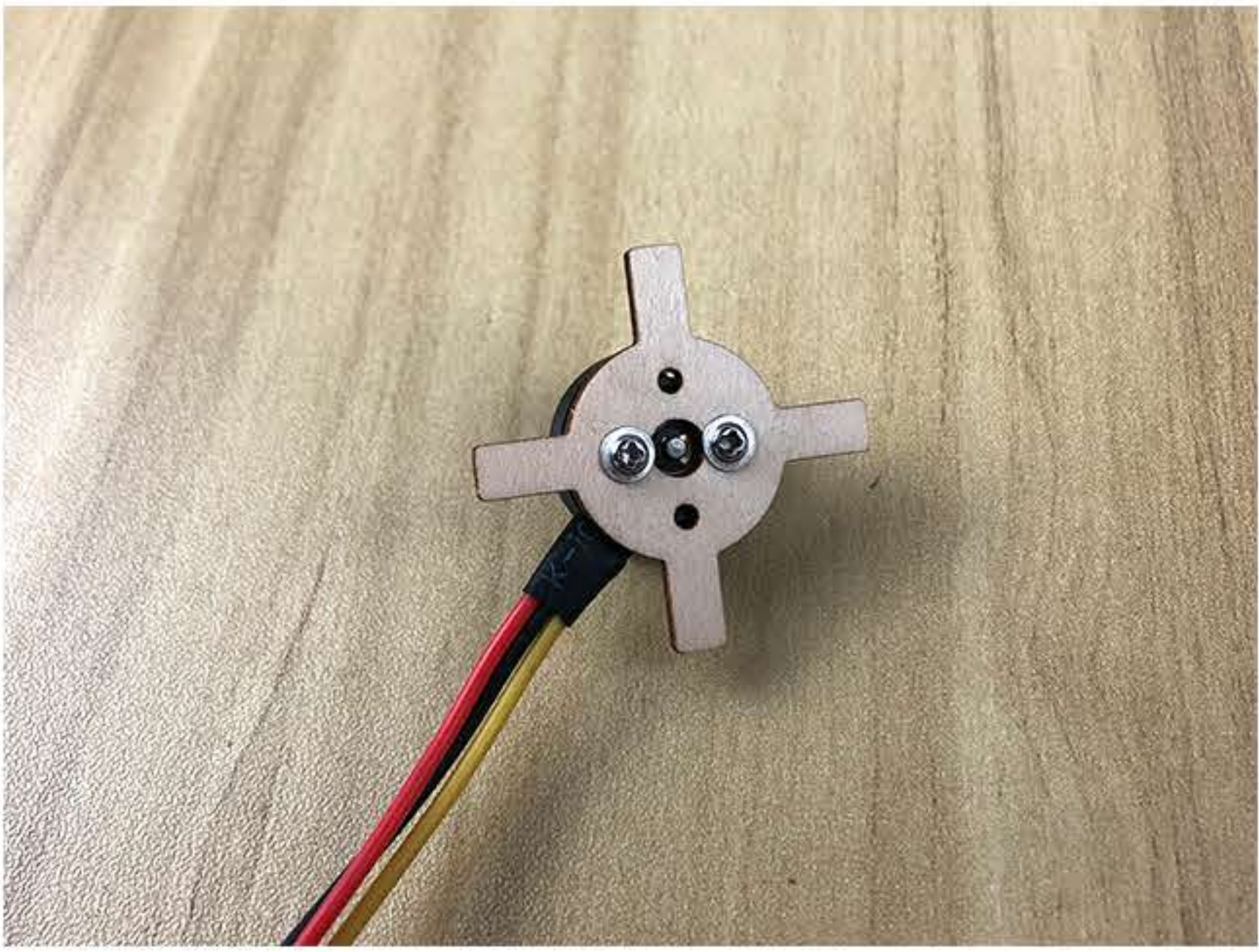
6. Find the No.6 board, cut along the connecting side. Align and bond as shown below.



7. Install servos, servo arm already installed, please note the right and left direction of it, the cable is going to forward. (Use foam glue or hot melt glue fixed)



8. Install Motor/ESC, (attention to the level position between motor and fuselage) bond by foam glue or hot melt glue after adjust.

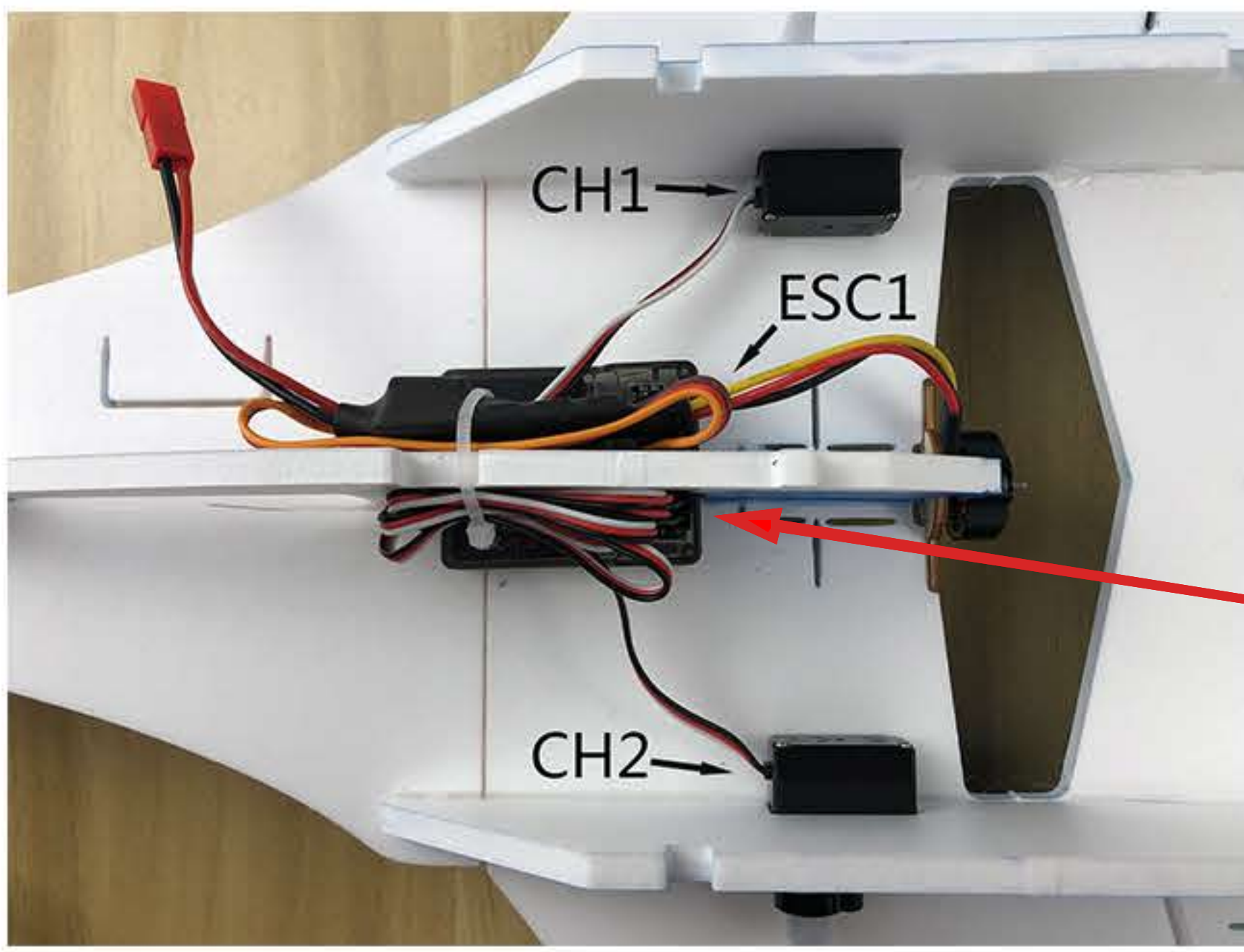


9. Install flight controller, use the double-sided tape to fix the flight controller to designated position , use the fixing seat to tight fix.



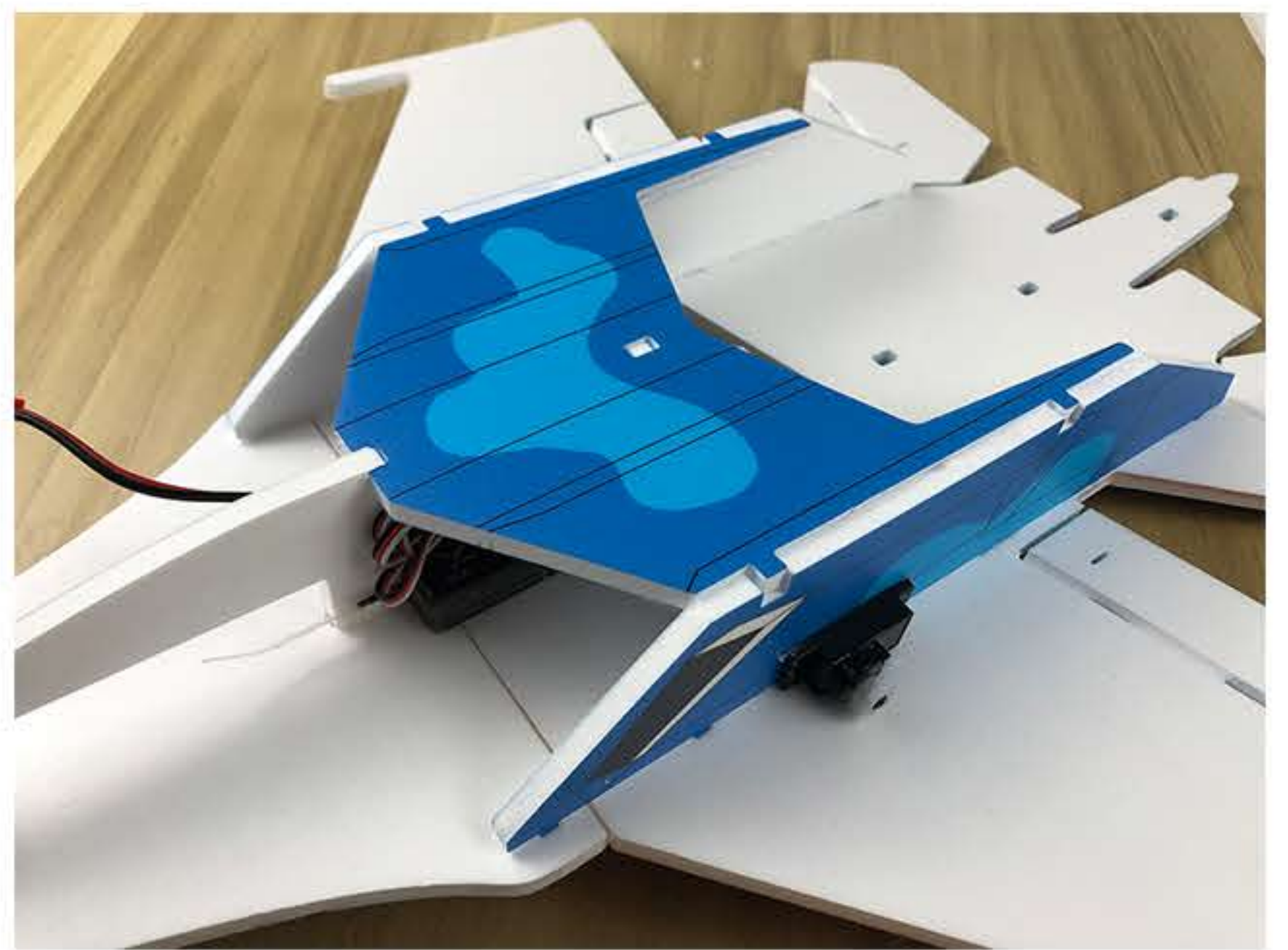
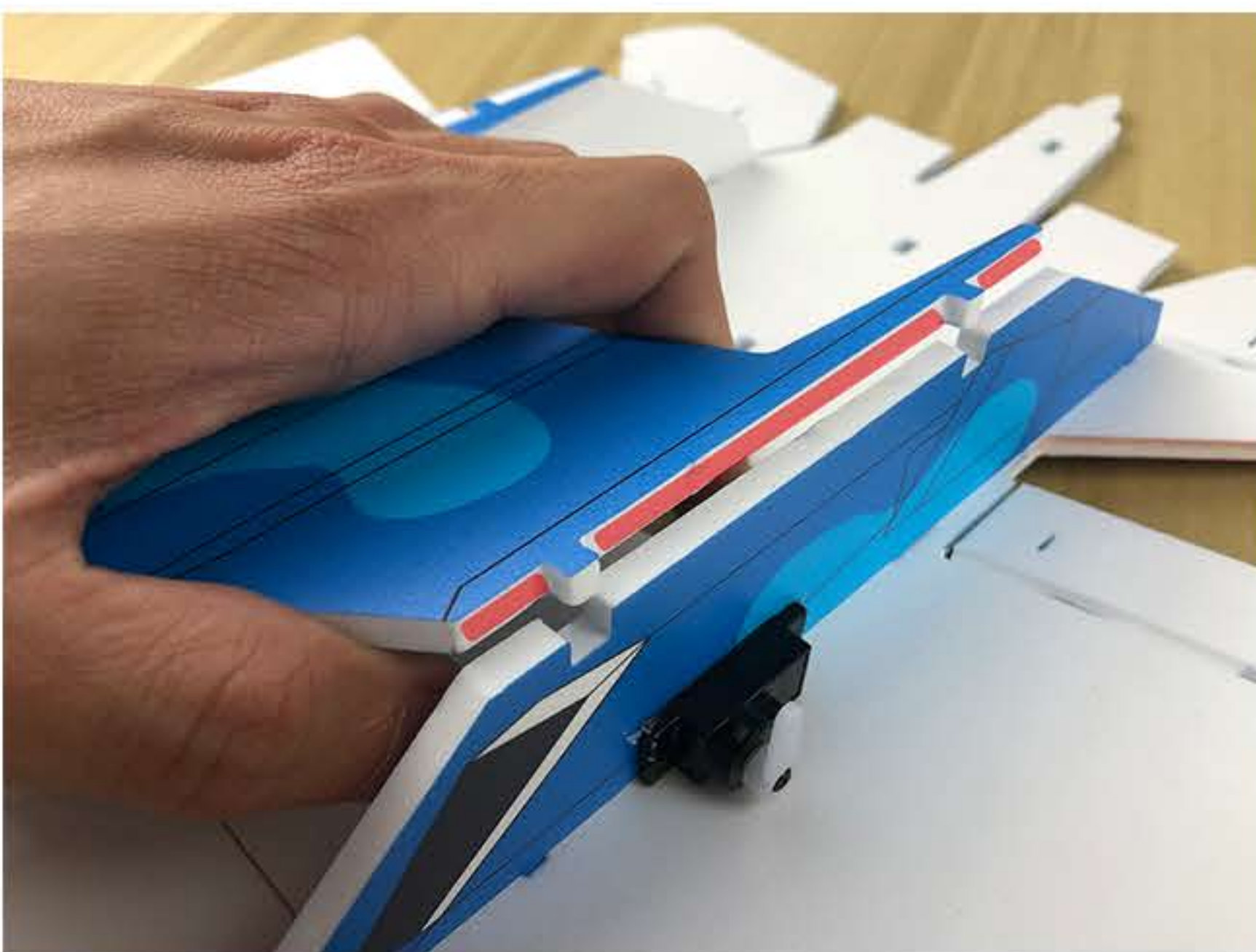
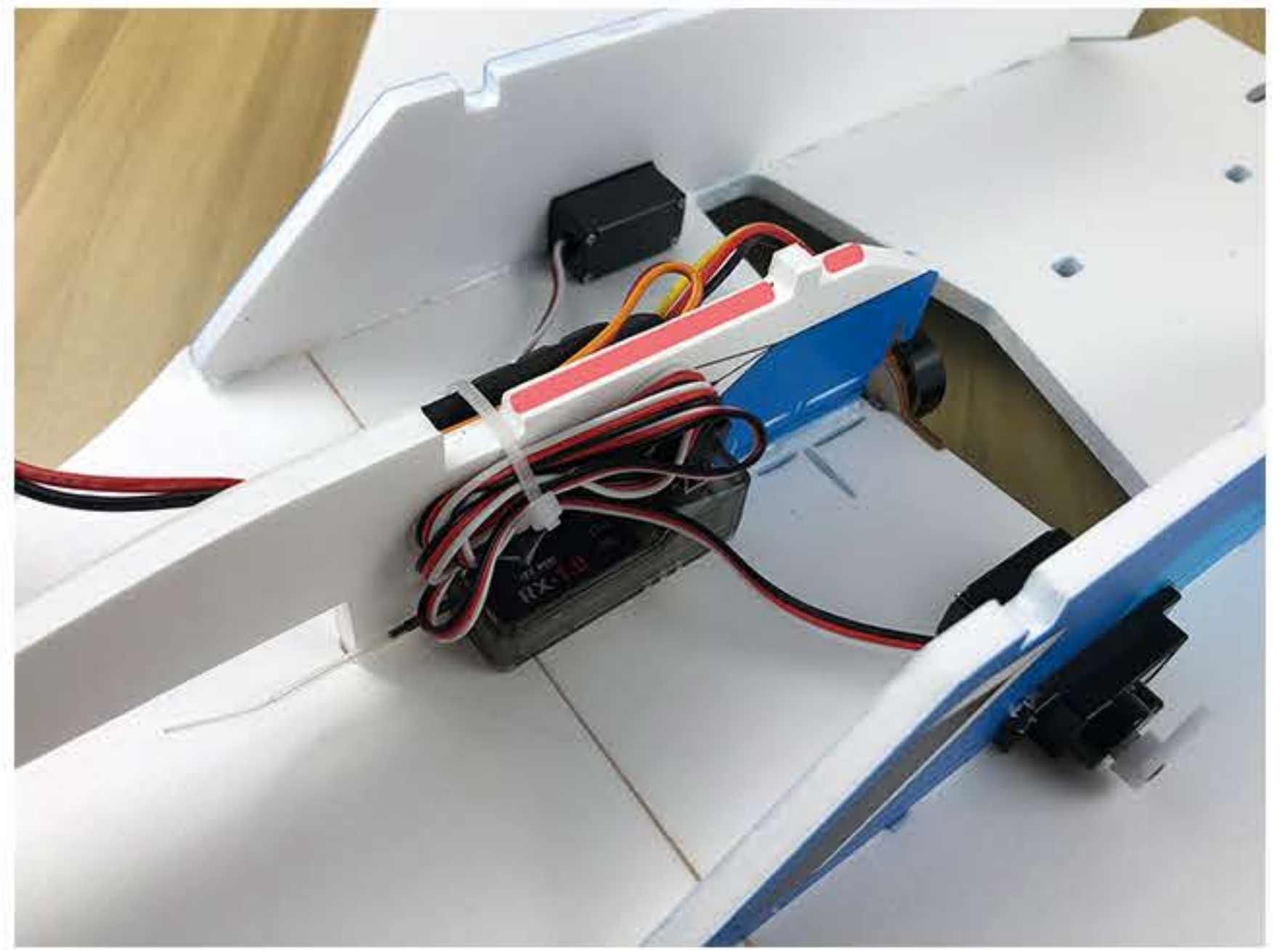
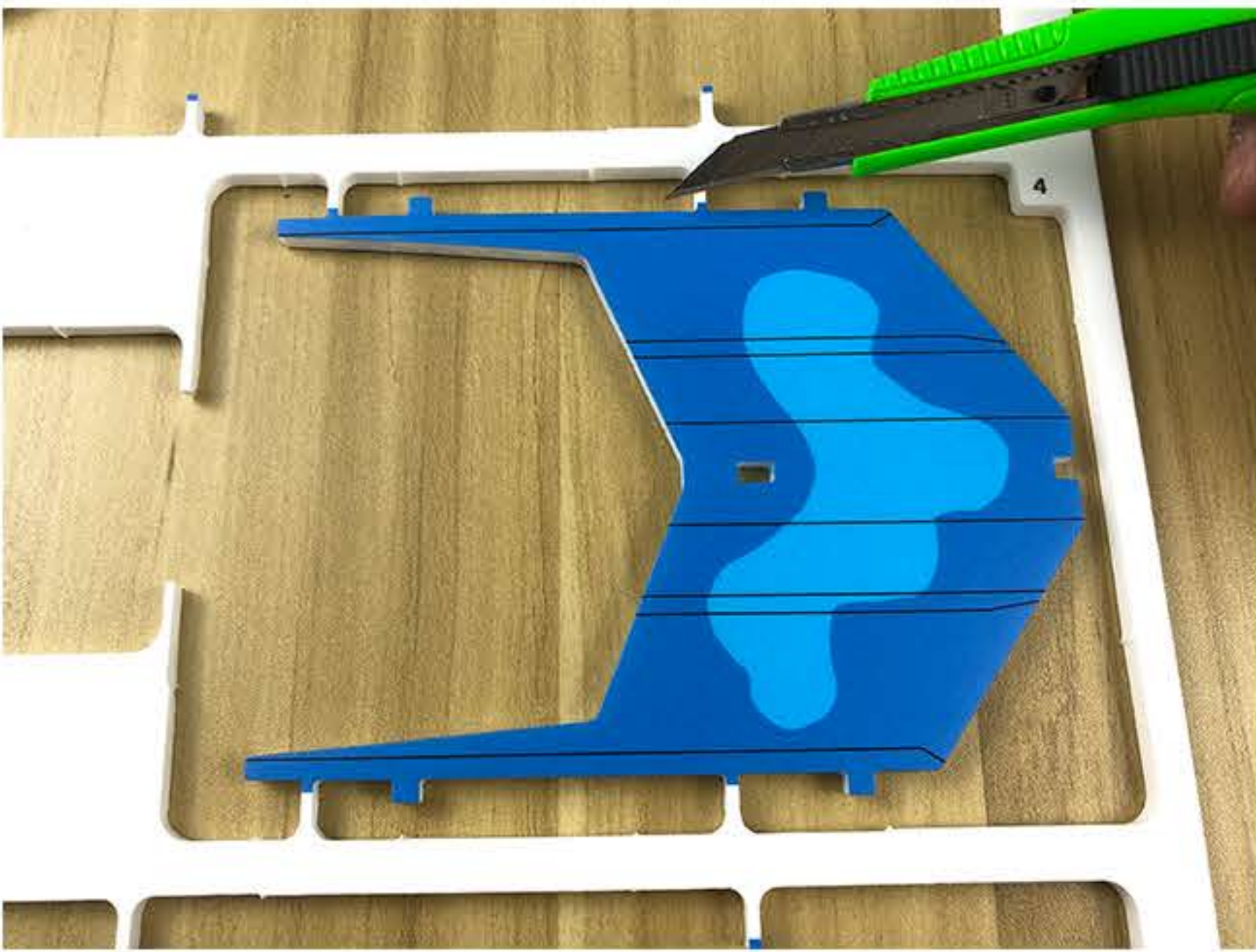
switch diagram



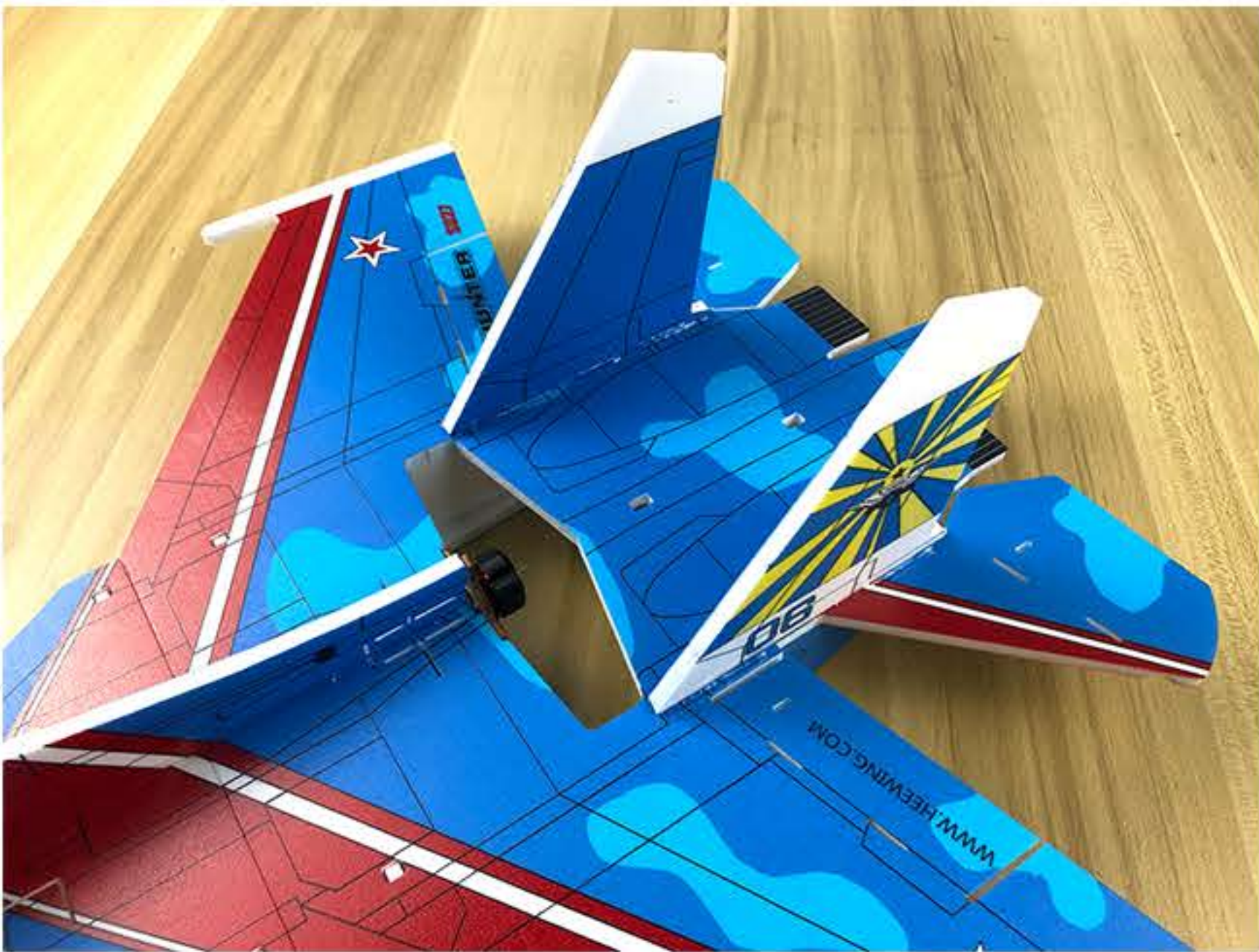


The black color cable towards to the tail

10. Find the No.4 board, cut along the connecting side. Align and bond as shown below.



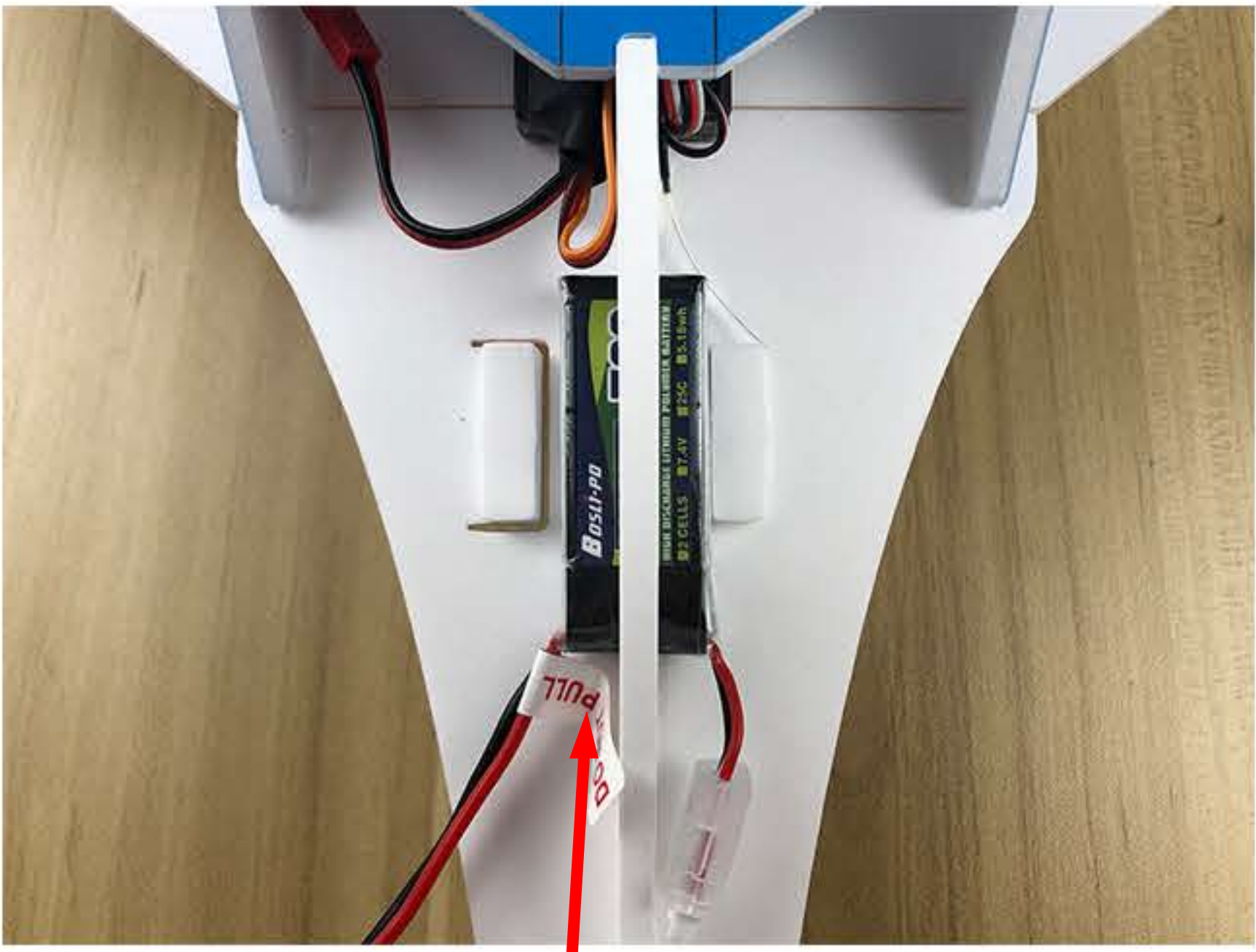
11. Find the No.9 board. Cut along the connecting side and use hot melt glue to bond.
Note: Adjust the proper position to be perpendicular to fix.



12. Find the No.8 board, cut along the connecting side and bond.



13. Bond the battery fixing seat. Cut along the connecting side, adjust the position to bond according to your battery size.



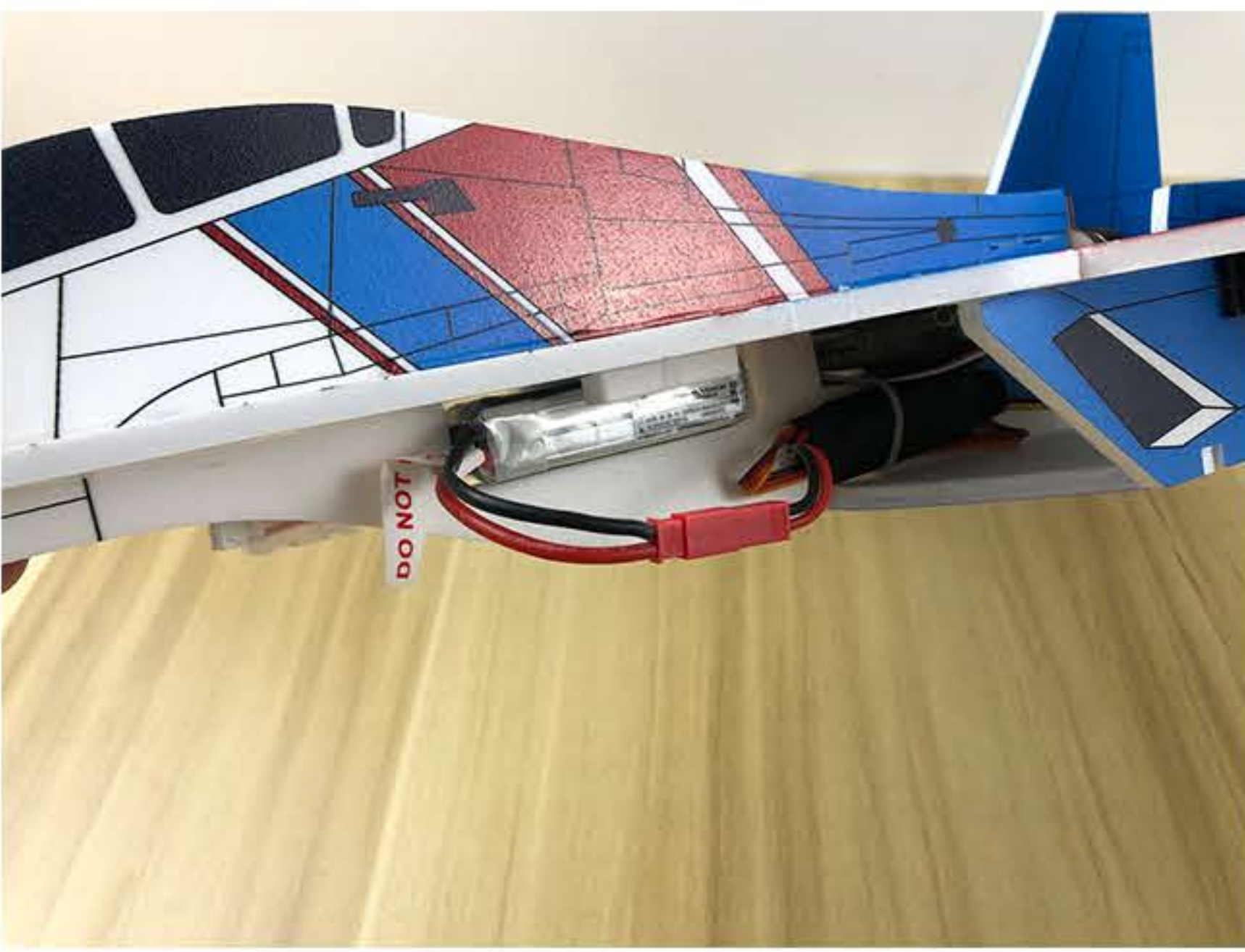
If your battery too small to install, please use the battery strip to fix

三、SETUP

ARF version already including X6 radio and binding already!

1. Bind the radio with receiver: please open the radio battery cover, install 3 cells of AAA battery. Power on the aircraft, make it in level position to safe-inspection. (the receiver signal light is slowly flashing) pull the left stick to the lowest and press No.5 button to turn on the radio, then the radio indicator light will start to flash, please push the left stick to the highest and pull back to the lowest, binding is completely when you see the indicator light becomes constant on.

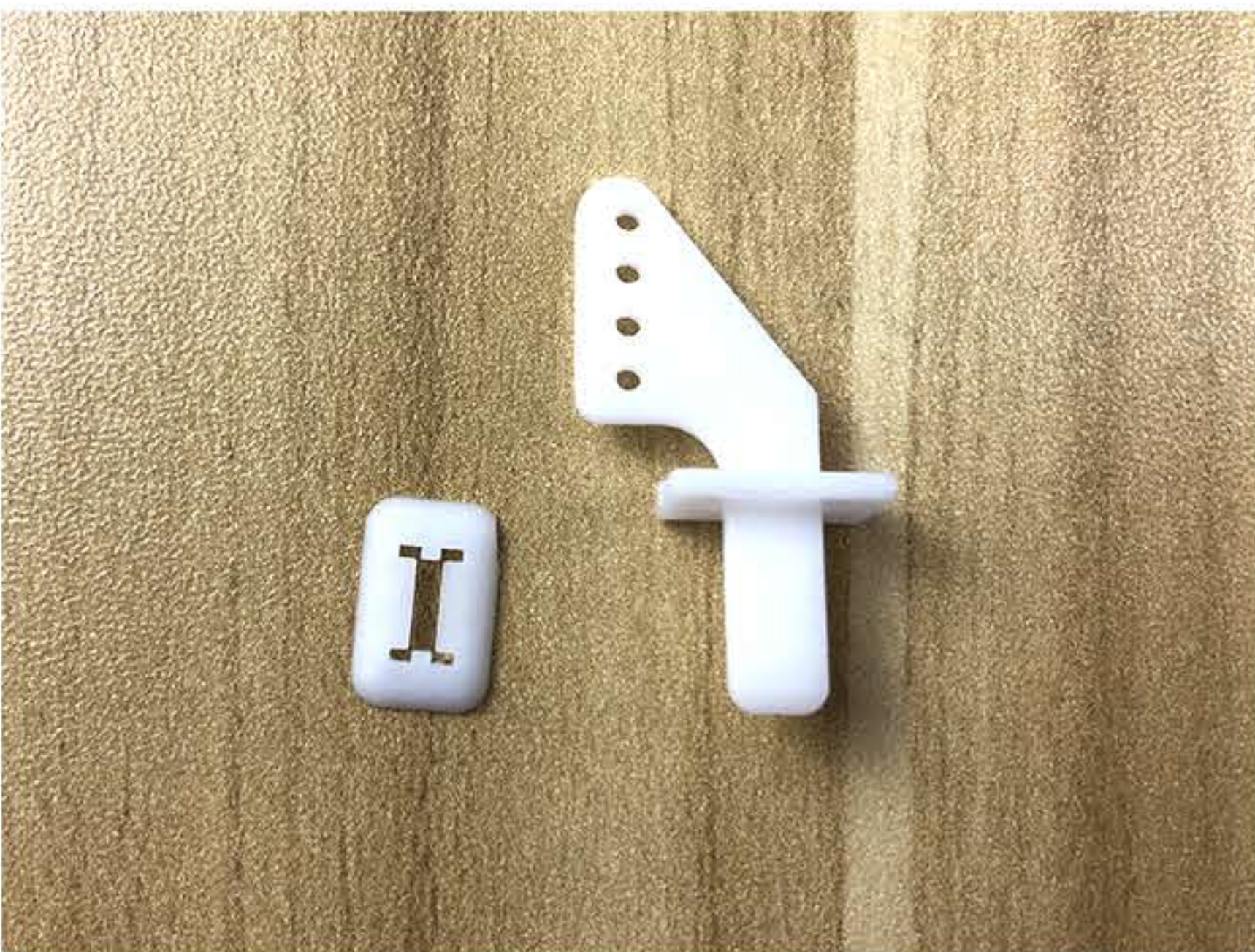




Connected with S.BUS receiver, transmitter set to regular "AIRPLANE" mode type. Find and switch on the CH5(Throttle lock) CH6 (MODE switch) and CH7(Sensitivity), bind the transmitter with receiver. (Binding method please refer to transmitter manual)

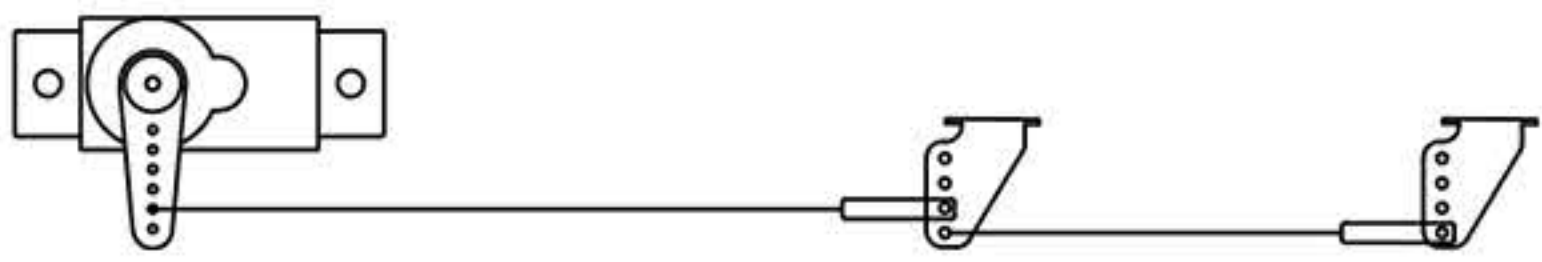
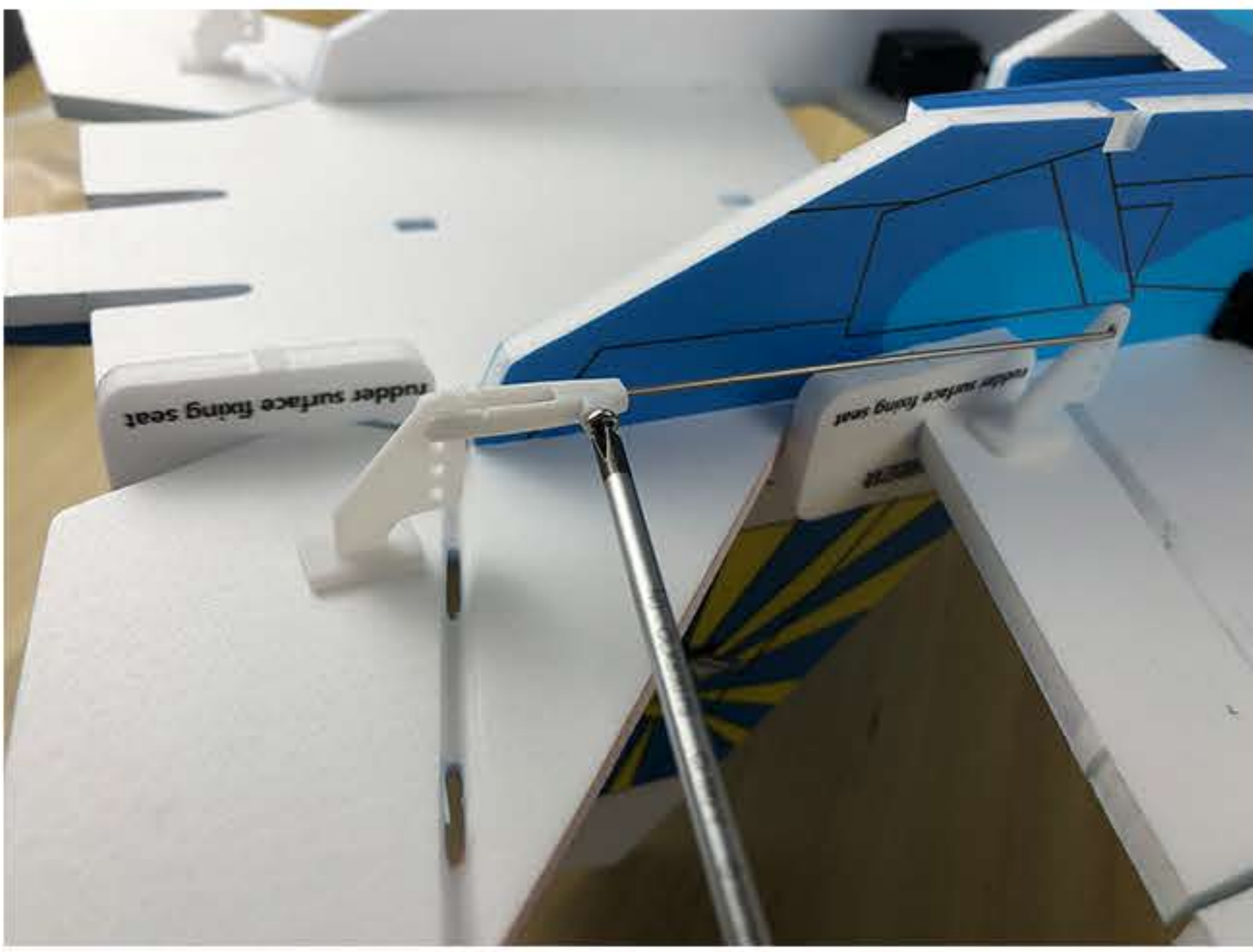
2. Install the servo horn, lock and linkage

Apart the servo horn, insert to the surface from the bottom to up, use the lock to tight and use few glue to make sure when necessary. (Use the same method to install the rest all horns)



Use the rudder surface fixing seat to level fix(remove after installation), use the 90mm linkage to connect aileron and horizontal tail.(Linkage lock install to the first hole of the nylon horn). Then use 60mm linkage to connect servo and aileron.(Linkage connect to the first hold of servo arm and lock install to the second hole of aileron horn). Use the same way to install the other side.





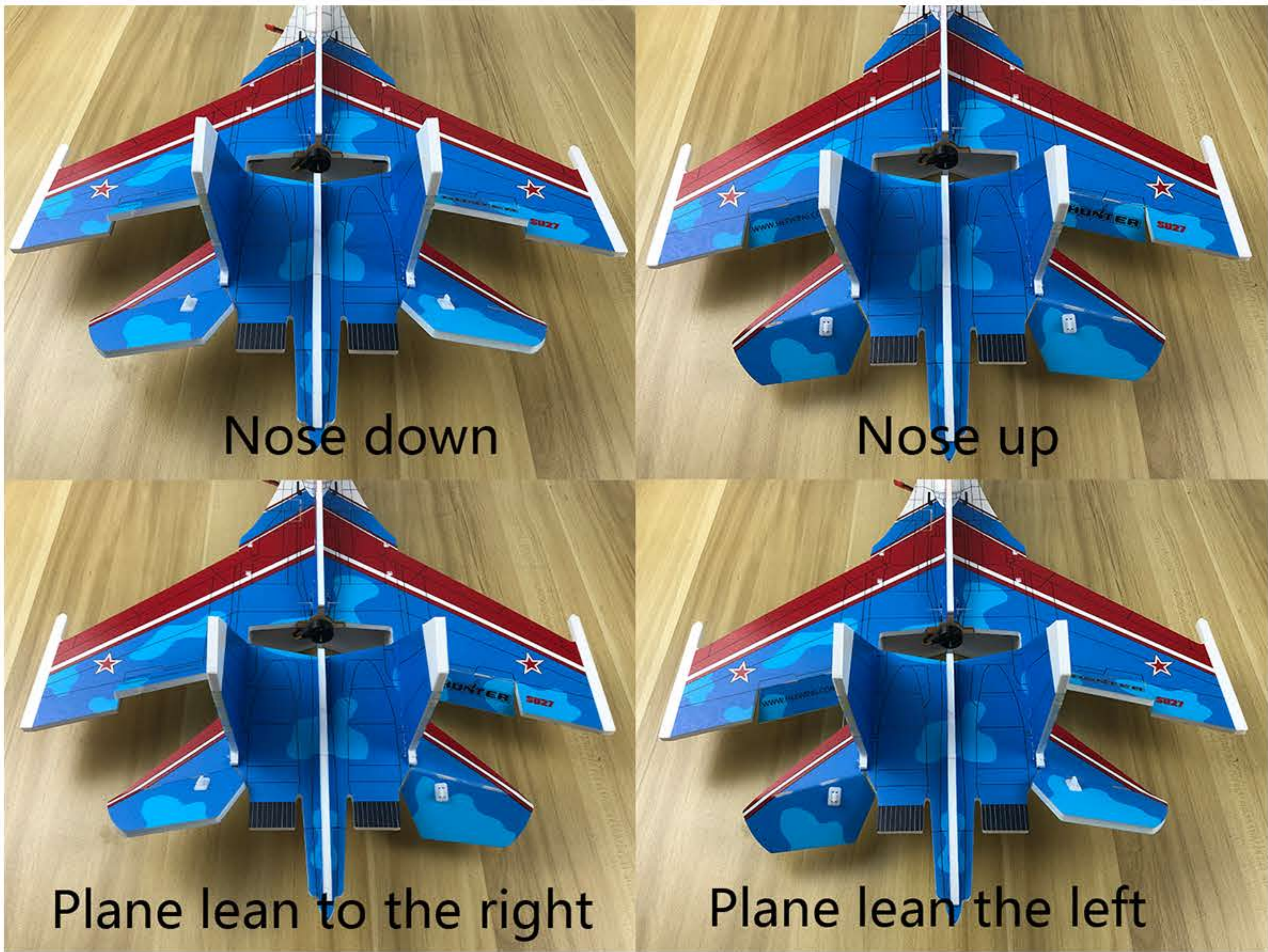
Linkage installation diagram



3.After installation, test the movement direction, check the flight controller correction is in properly direction.(As shown below is taking left hand throttle for example)



As shown below is flight controller correct direction:

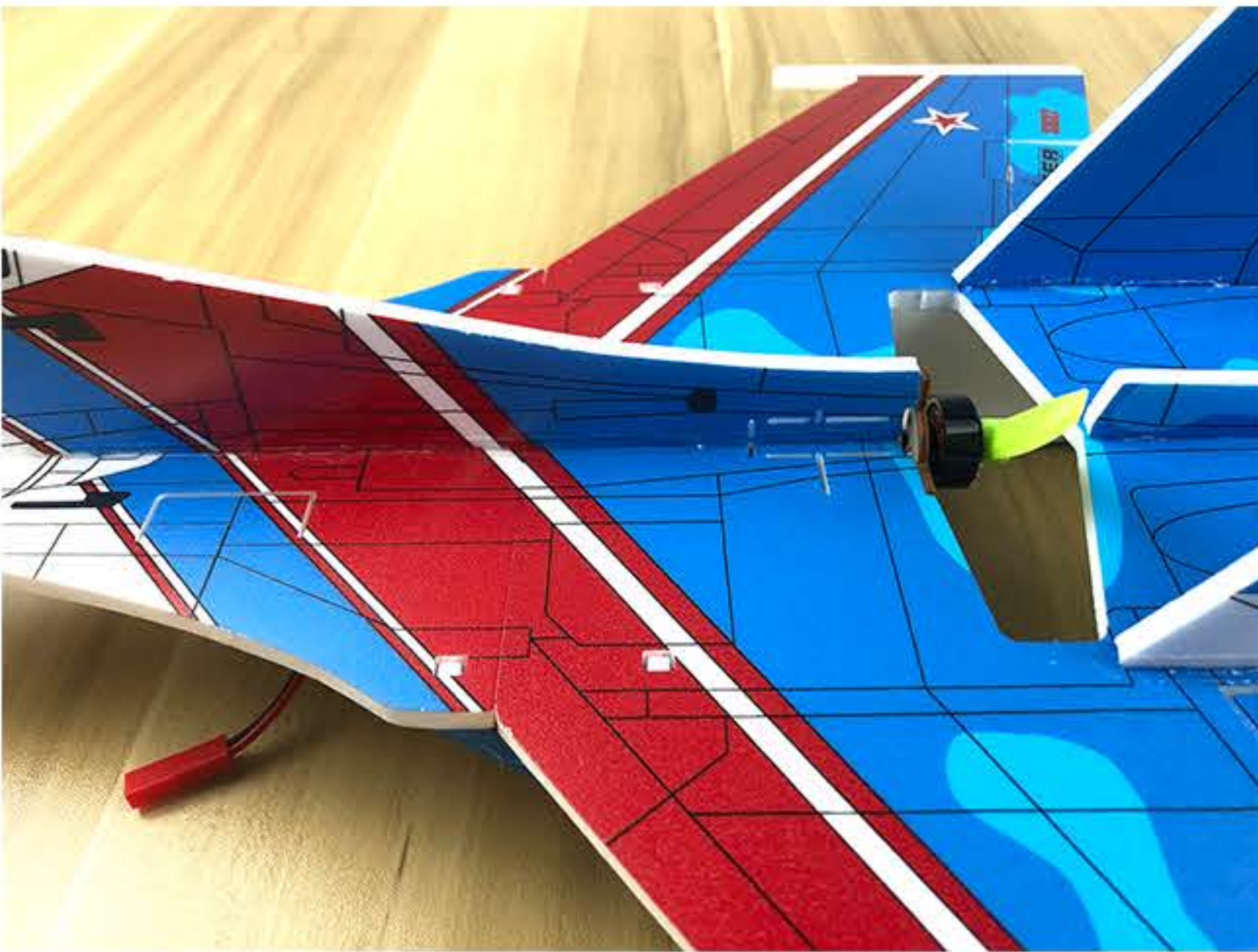


4. Install the propeller

First need to insert the propeller plug into the propeller , please attention to the installation direction. (Note:Propeller with character side install towards the nose).



As shown below, the Black point position is the center of gravity for the plane.



If you are using X6 radio, please Skip this step!

5. Throttle range calibration

It's necessary to do the throttle range calibration when you first flying. 1、 Turn on the radio, throttle push to the highest and power on the aircraft 2、 pull the throttle stick to the lowest after you heard 2 short tones in ESC 3、 After will hear 2 short tones, then throttle range calibration complete

If did not do the throttle range calibration, it may has alarm sound after you power on.

四、 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. Before operation, check that every movements is smooth and directions and functions are correct.
3. If you are using throw away to take off, please must attention to the propeller, avoid any unnecessary injuries.