

J-20 Assembly Guide

Thanks for buying Hunter J-20 airplane, please read this guide carefully to understand correctly the assembly procedure before assembling, wish you have a fun fly!



Product Name: Hunter J-20 airplane

Dimension: L580mm/H120mm/Wingspan400mm

Motor: Brushless 1404 / 3500KV

ESC: 12A

Battery: 7.4V Lipo

Servo: x 2

Flight controller: RX-1.0 Version

Propeller: 3.8x3

Weight(PNP): 90g

Weight(take-off): 130g

Package size: 430mm x 320mm x 50mm



Feature:

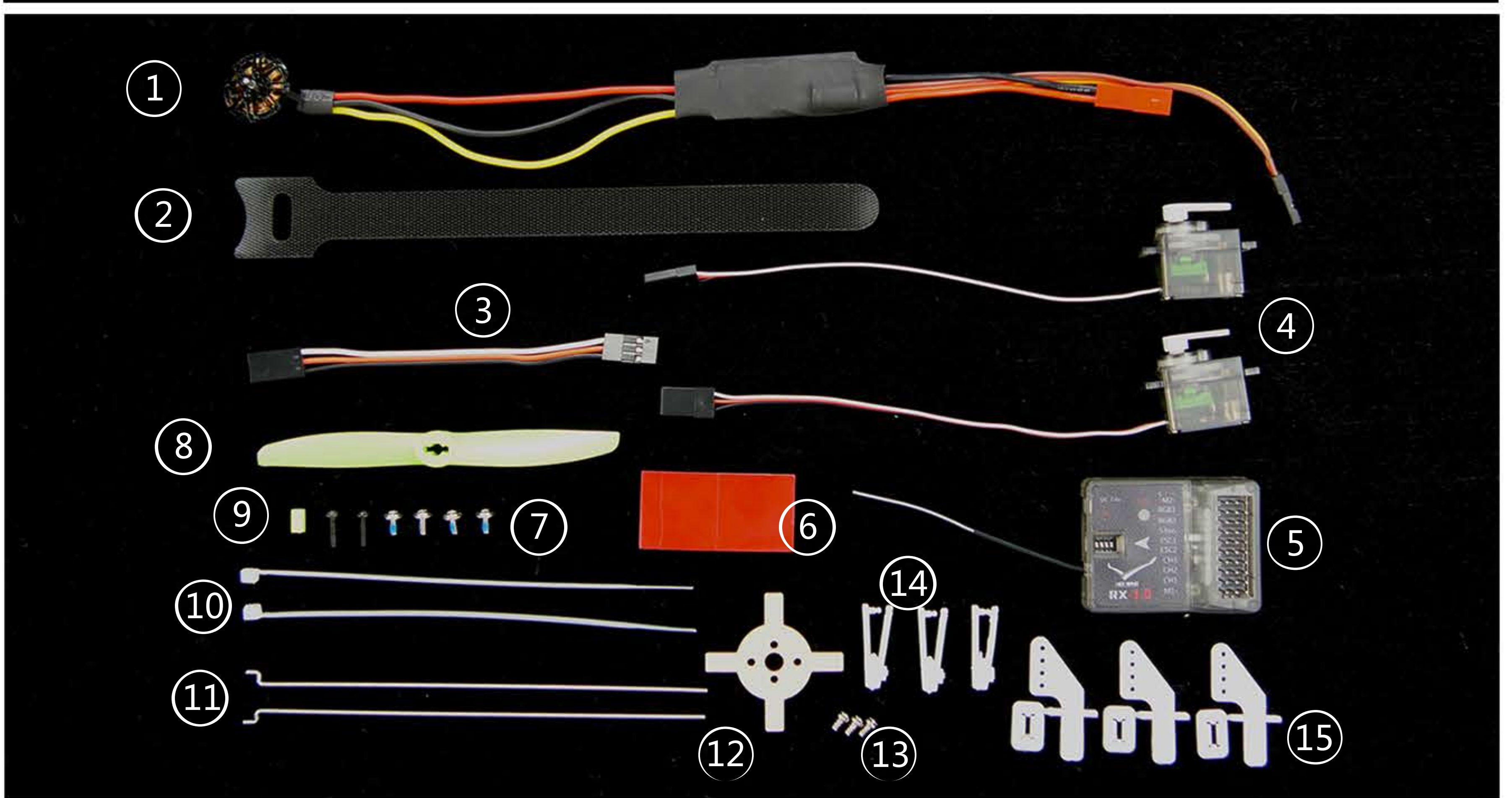
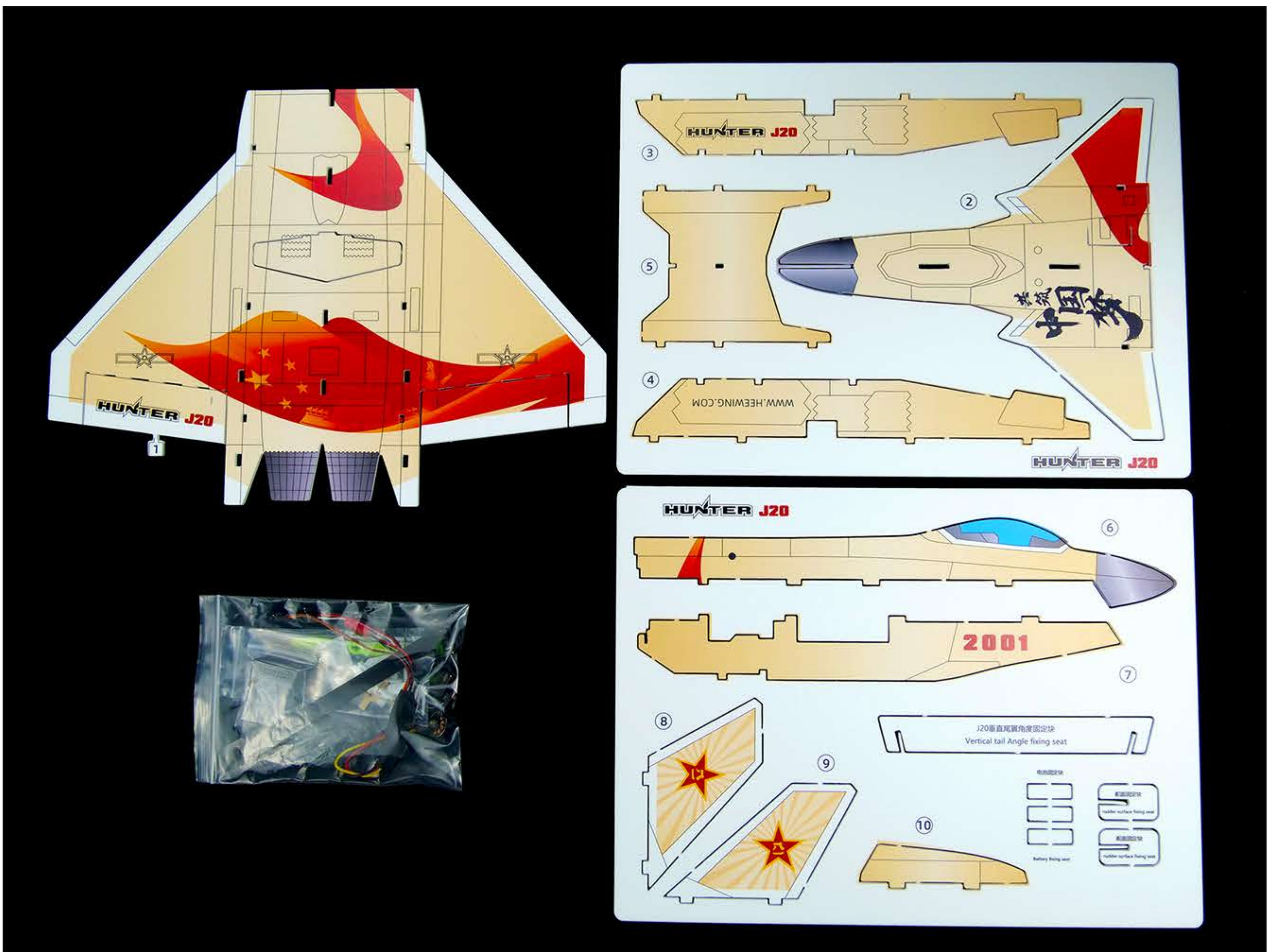
This products are producing by MPP magic board, UV print and laser cutting. With gorgeous workmanship and exquisite appearance, this incredible creative RC plane machine is made of lightweight and super durable material, tough and high strength. We set PNP version, which is very suitable for the DIY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

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

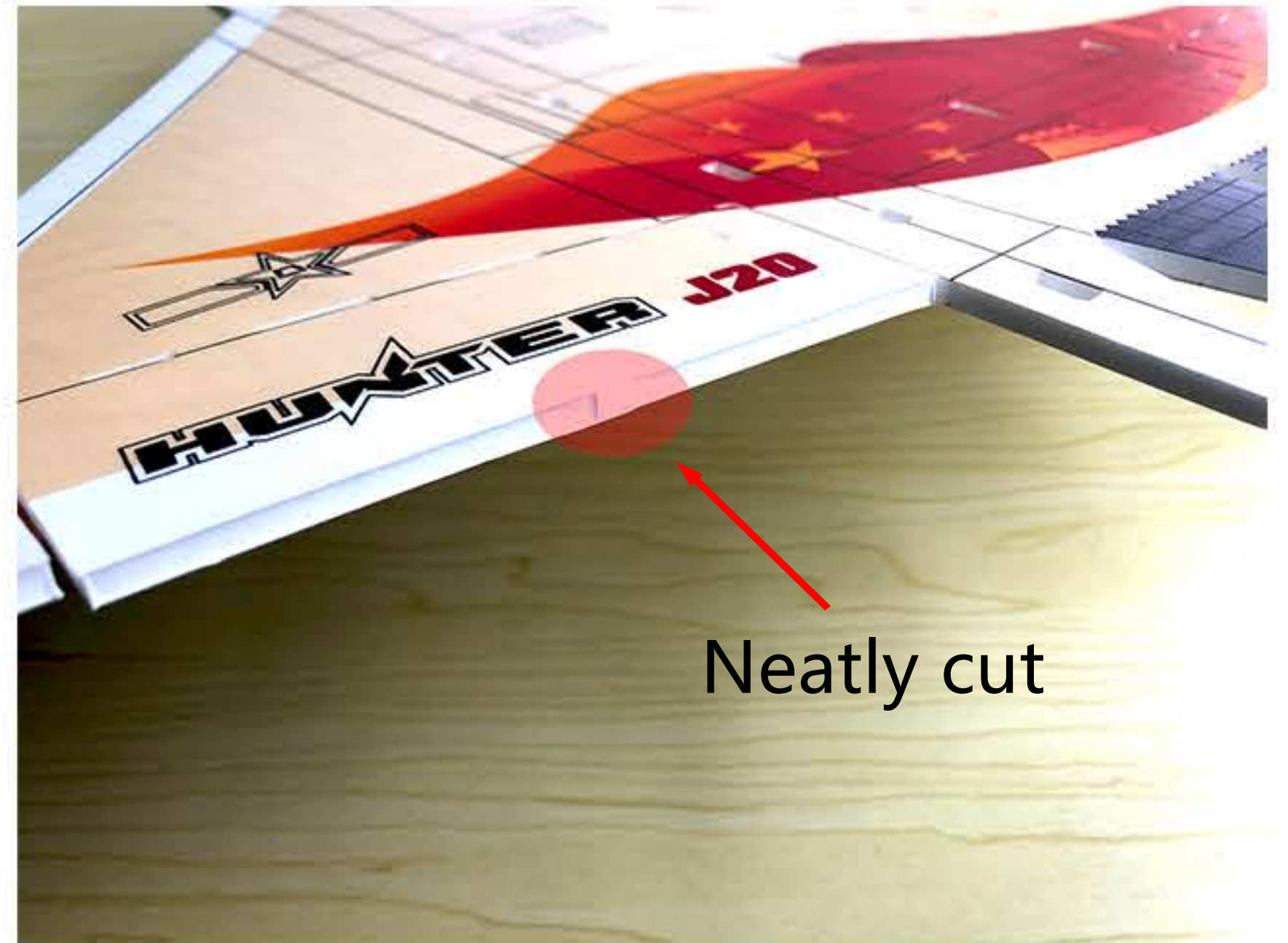
二、 Assembly

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

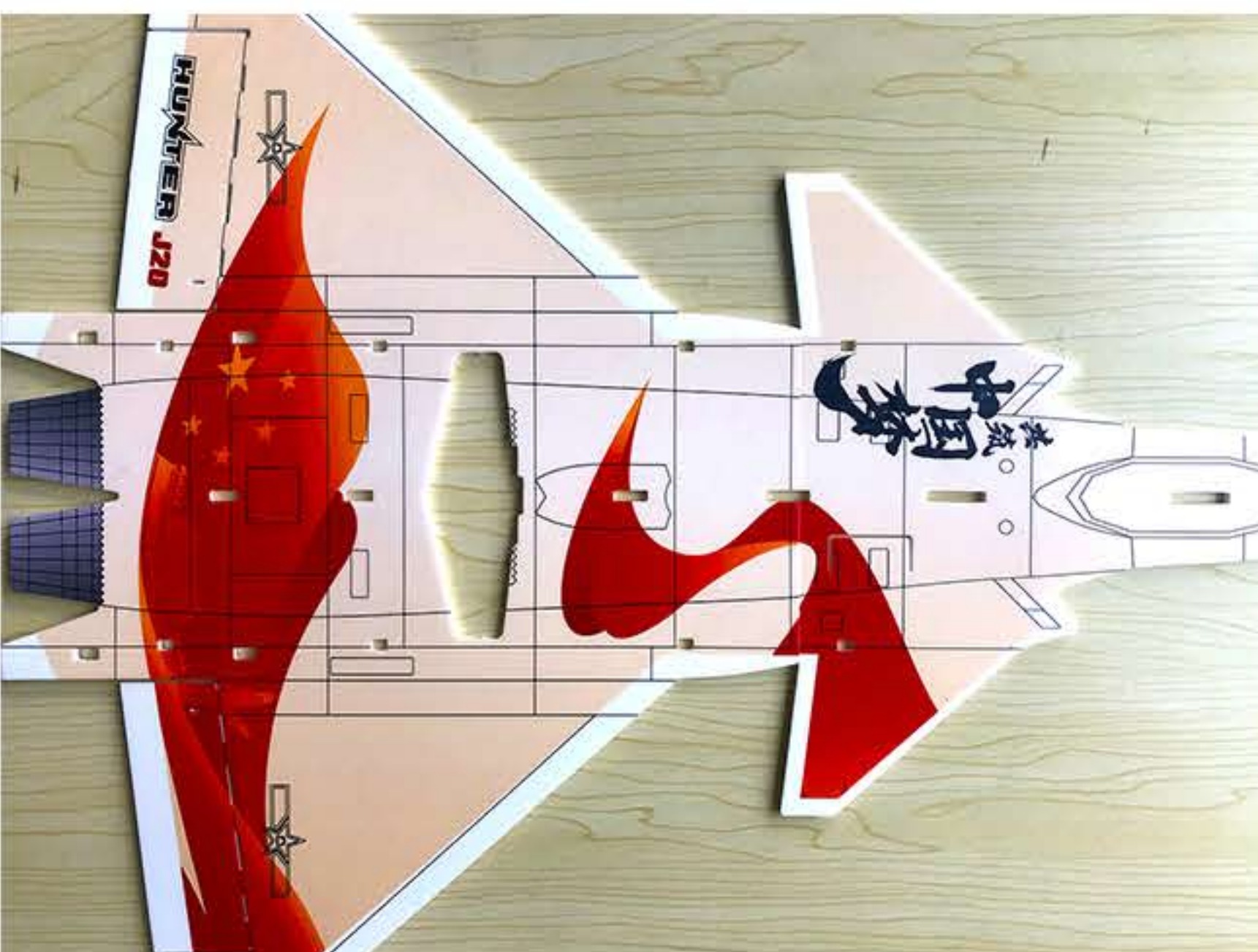
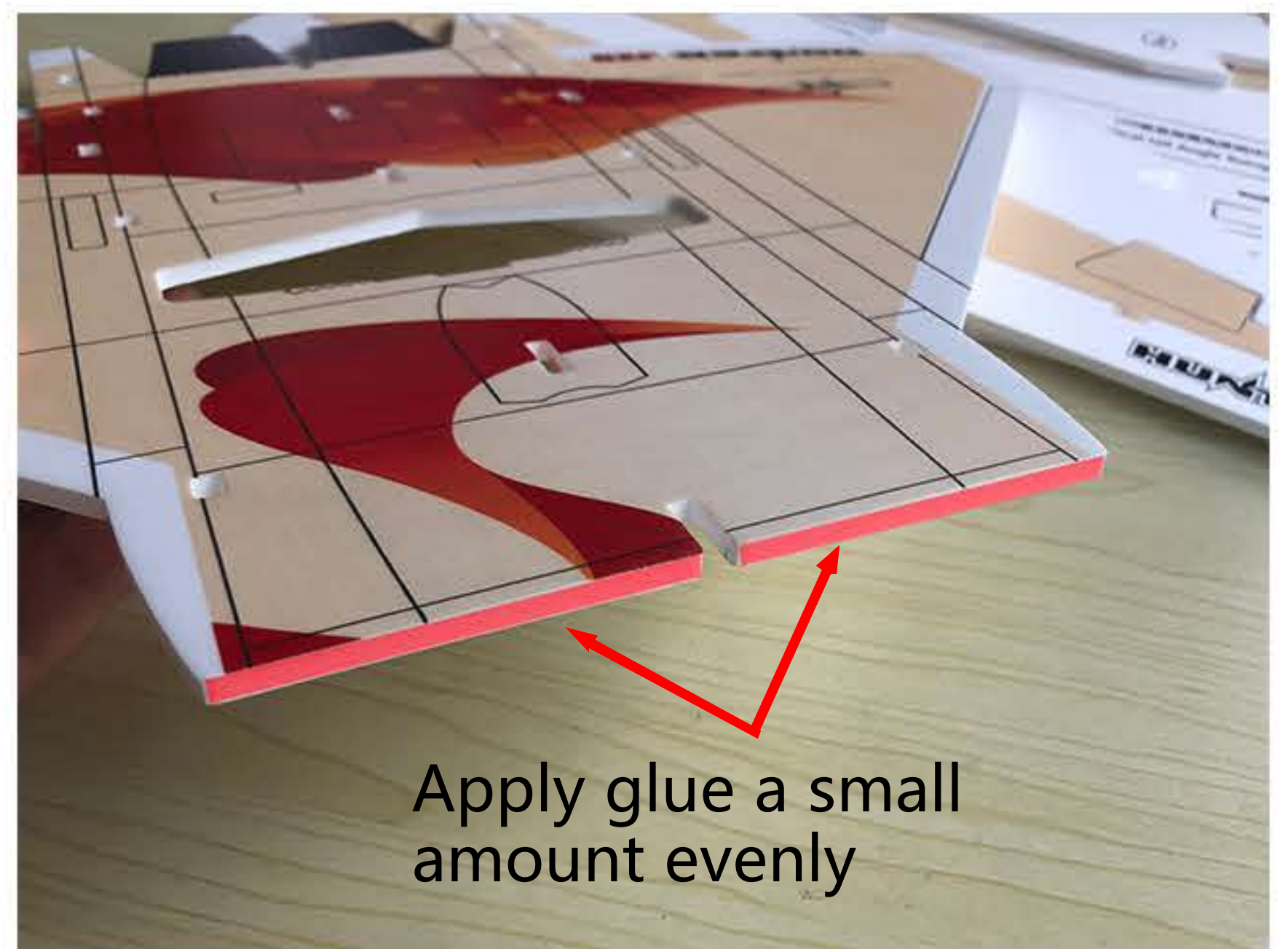
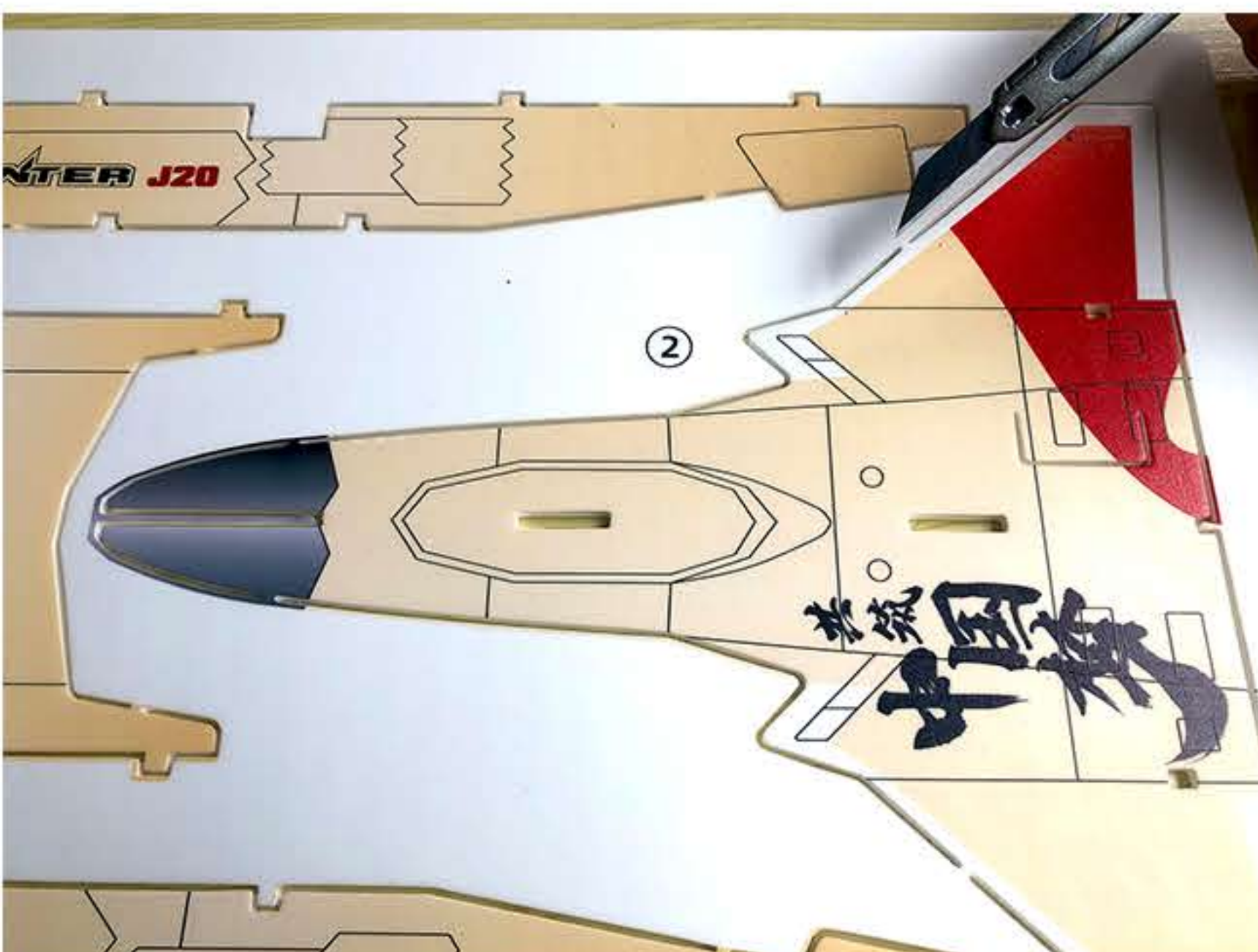


1. Motor/ESC 2. Battery Velcro 3. S.bus cable 4. Servo 5. Flight controller
 6. Double-sided tape 7. Motor mounting screw 8. Propeller 9. Propeller bolt
 + propeller Screws 10. Nylon Cable Ties 11. Linkage 12. Motor mounting
 plate 13. Screws in nylon lock 14. Linkage nylon lock 15. Nylon horn

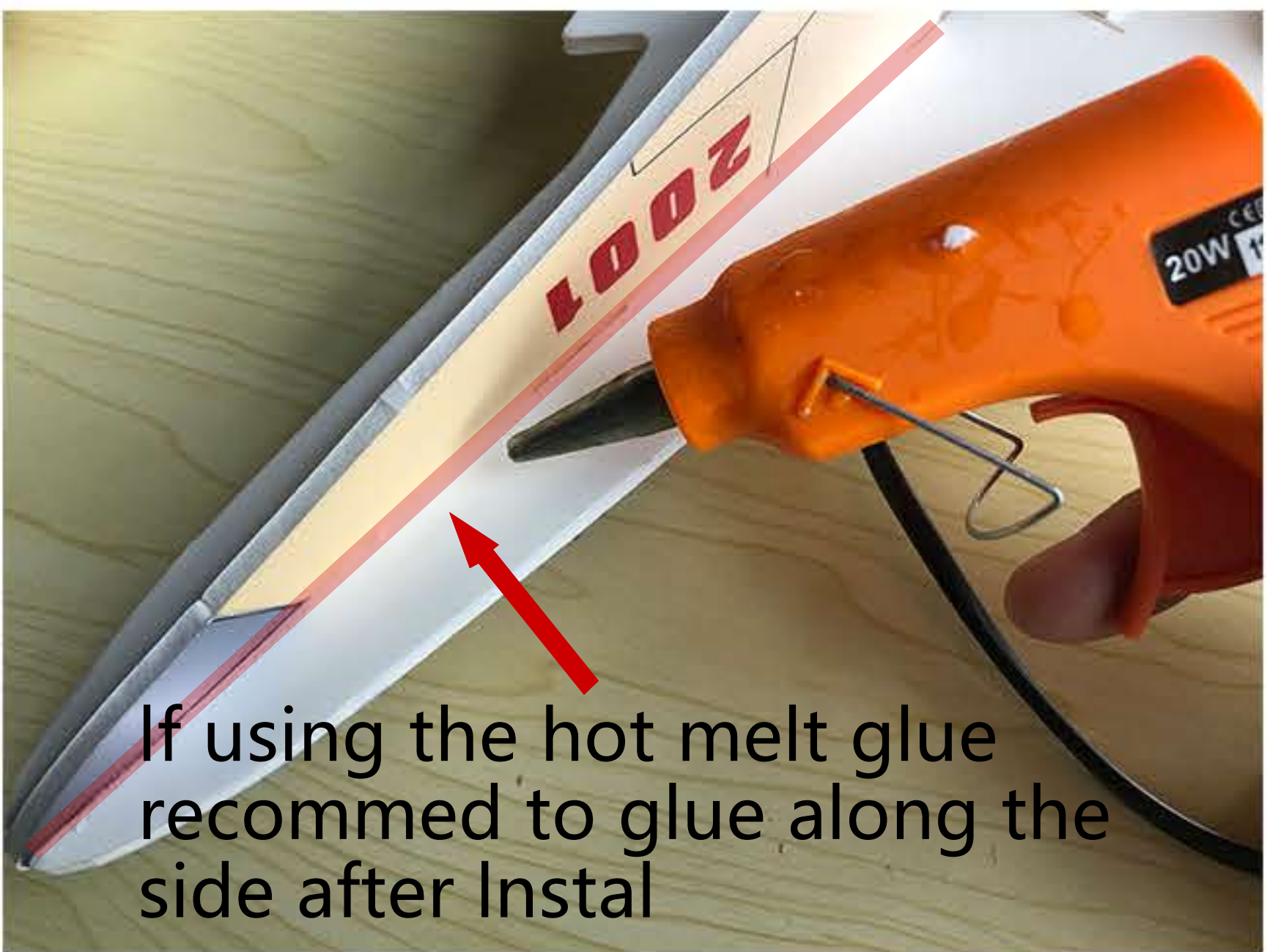
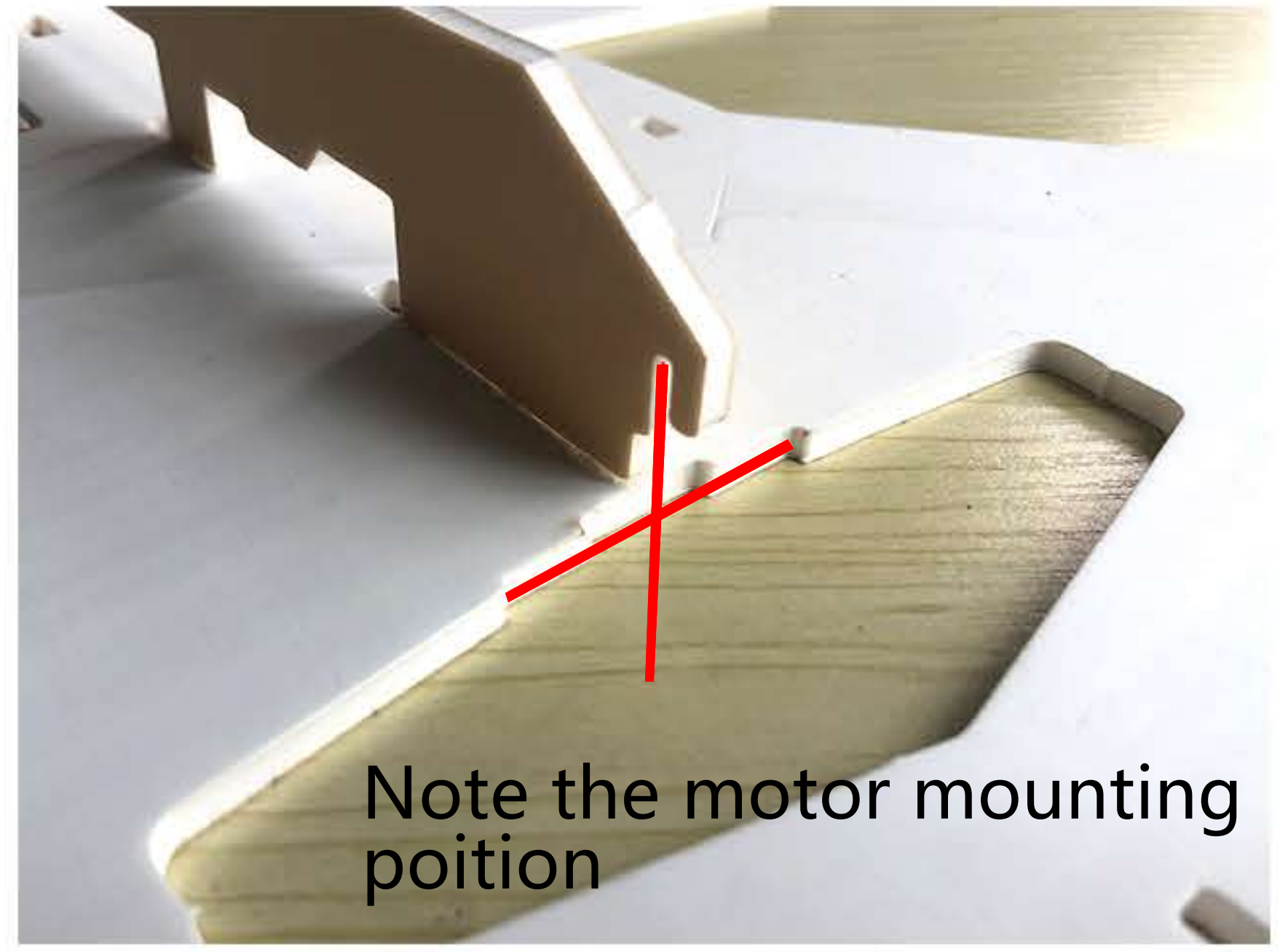
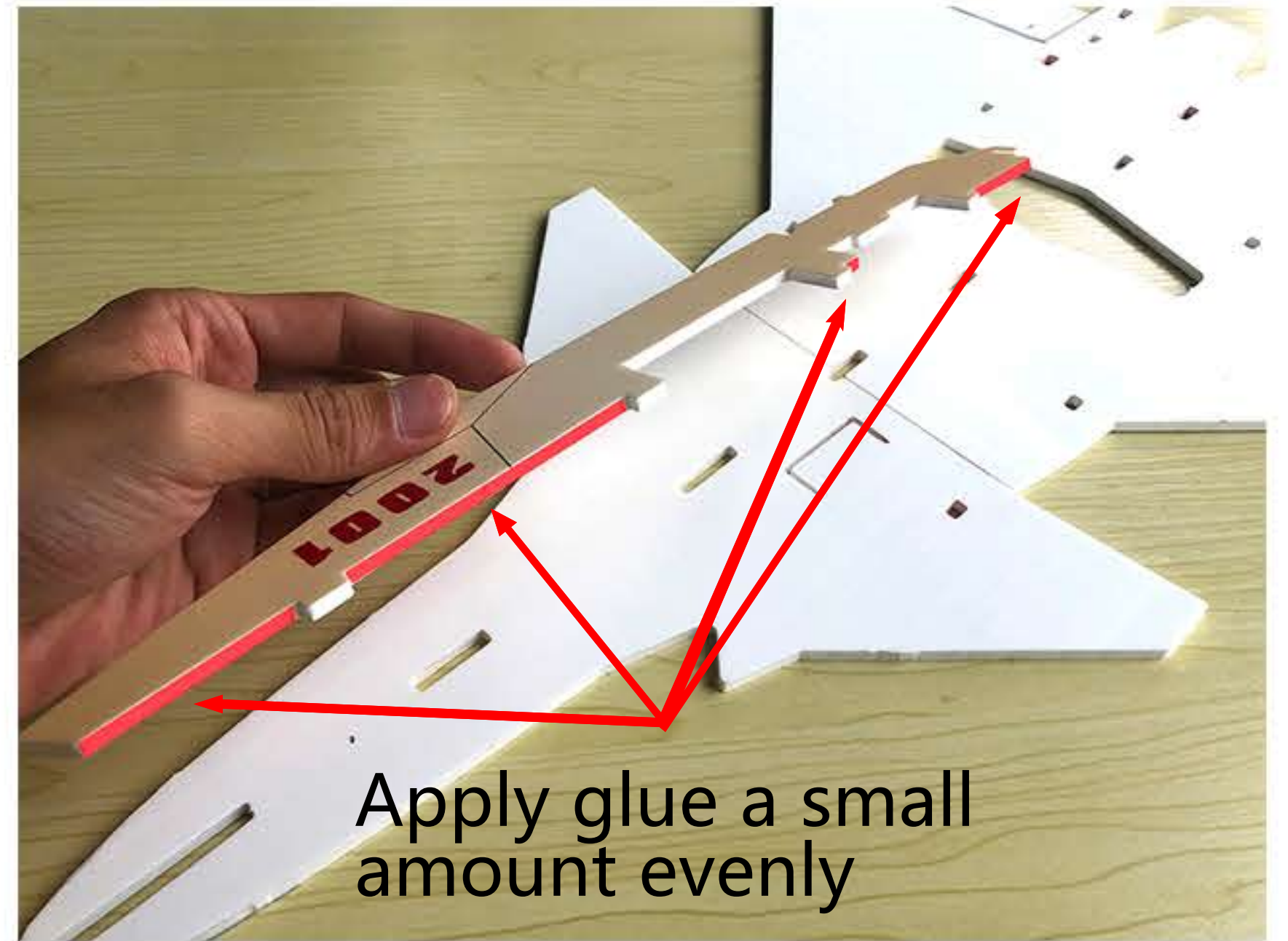
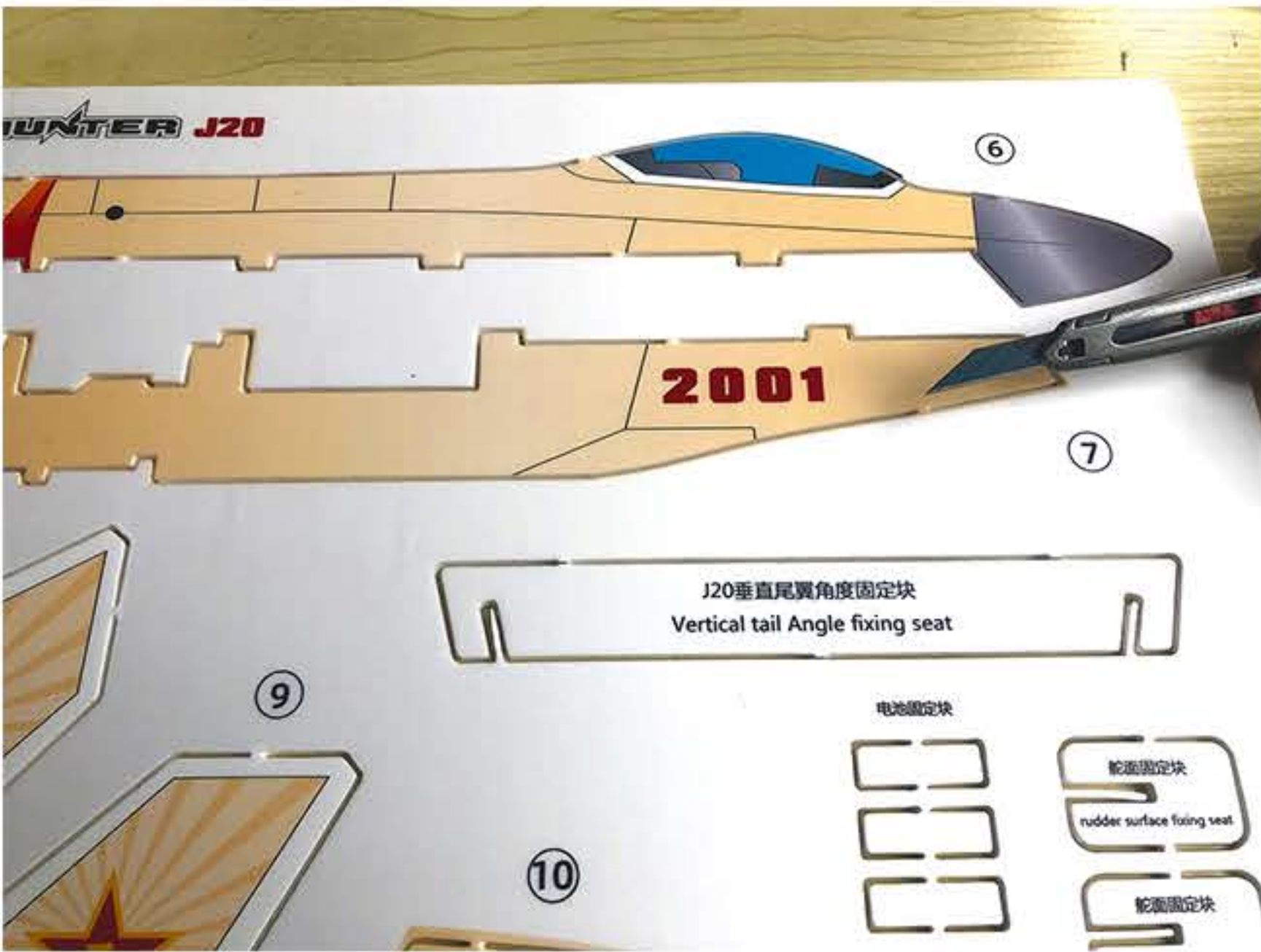
2. Find the No.1 board, cut the tag by knife (Note: all of the following operation requires neatly cut)



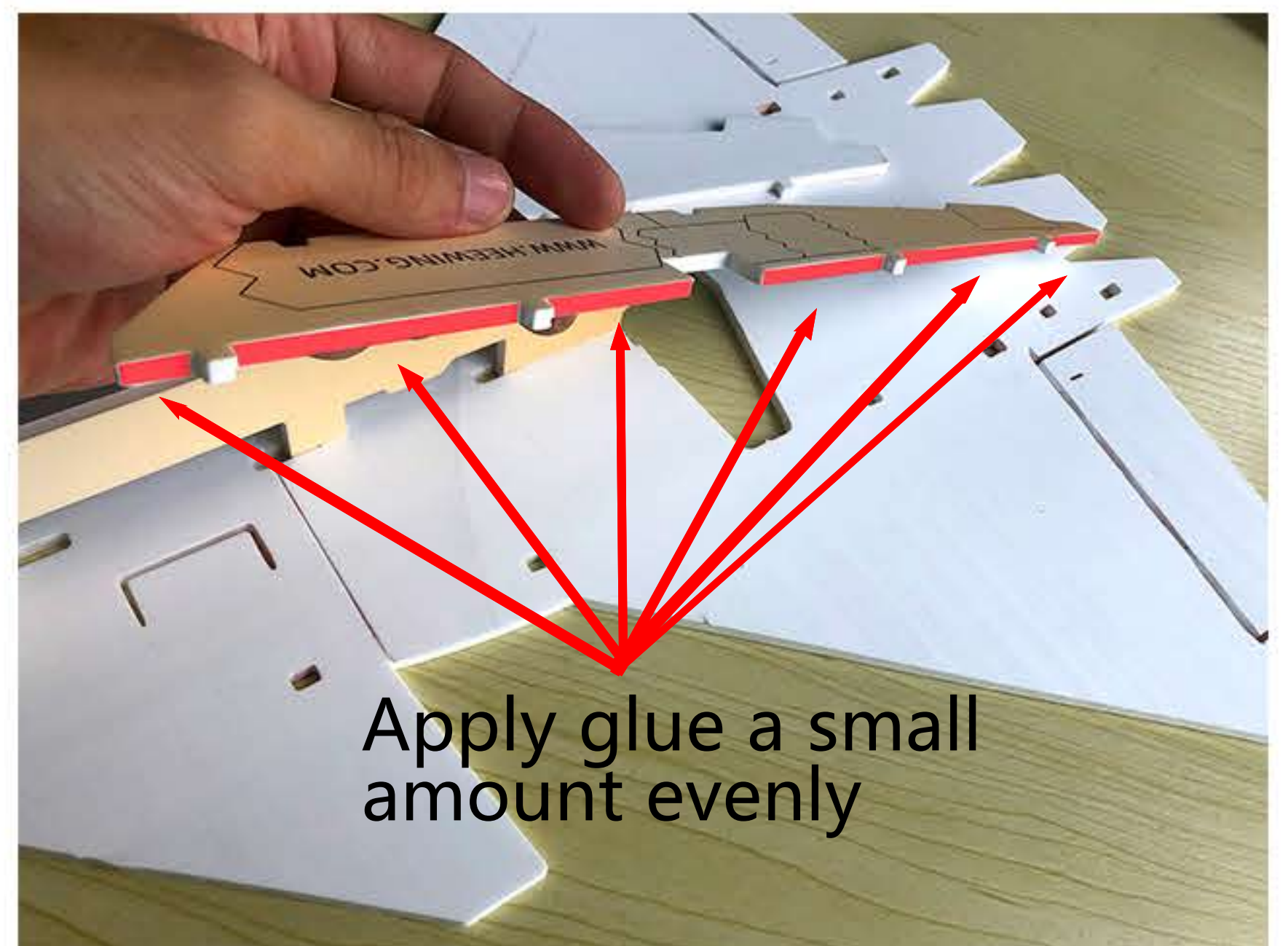
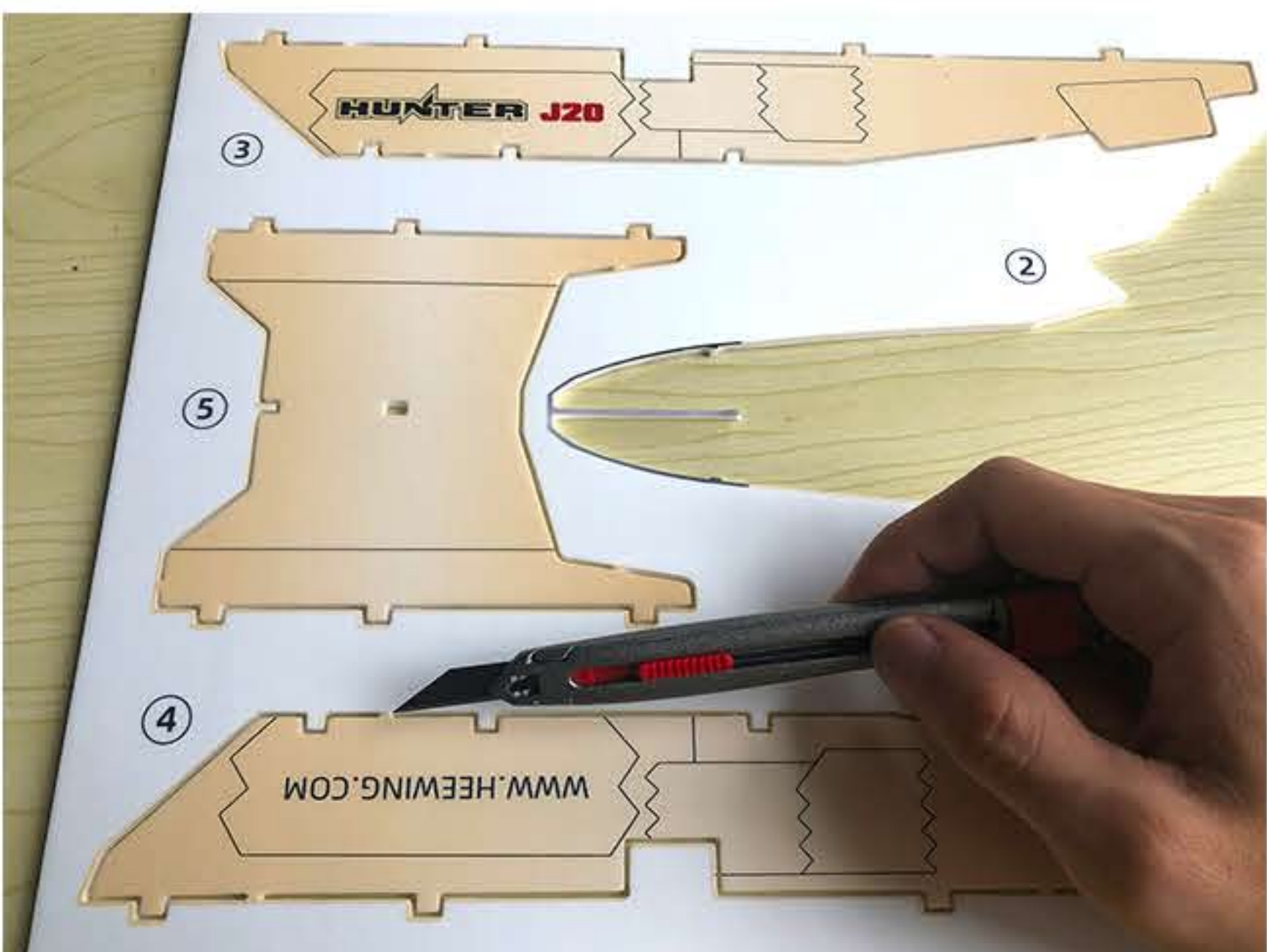
3. Find the No.2 board, cut along the connecting side. As shown below, use foam glue or hot melt glue to bond (surface in red mark) all of the following bonding are the same operate , make sure you already aligned position before glue.(You can lay flat the board on the table after bonding, use a weight 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)

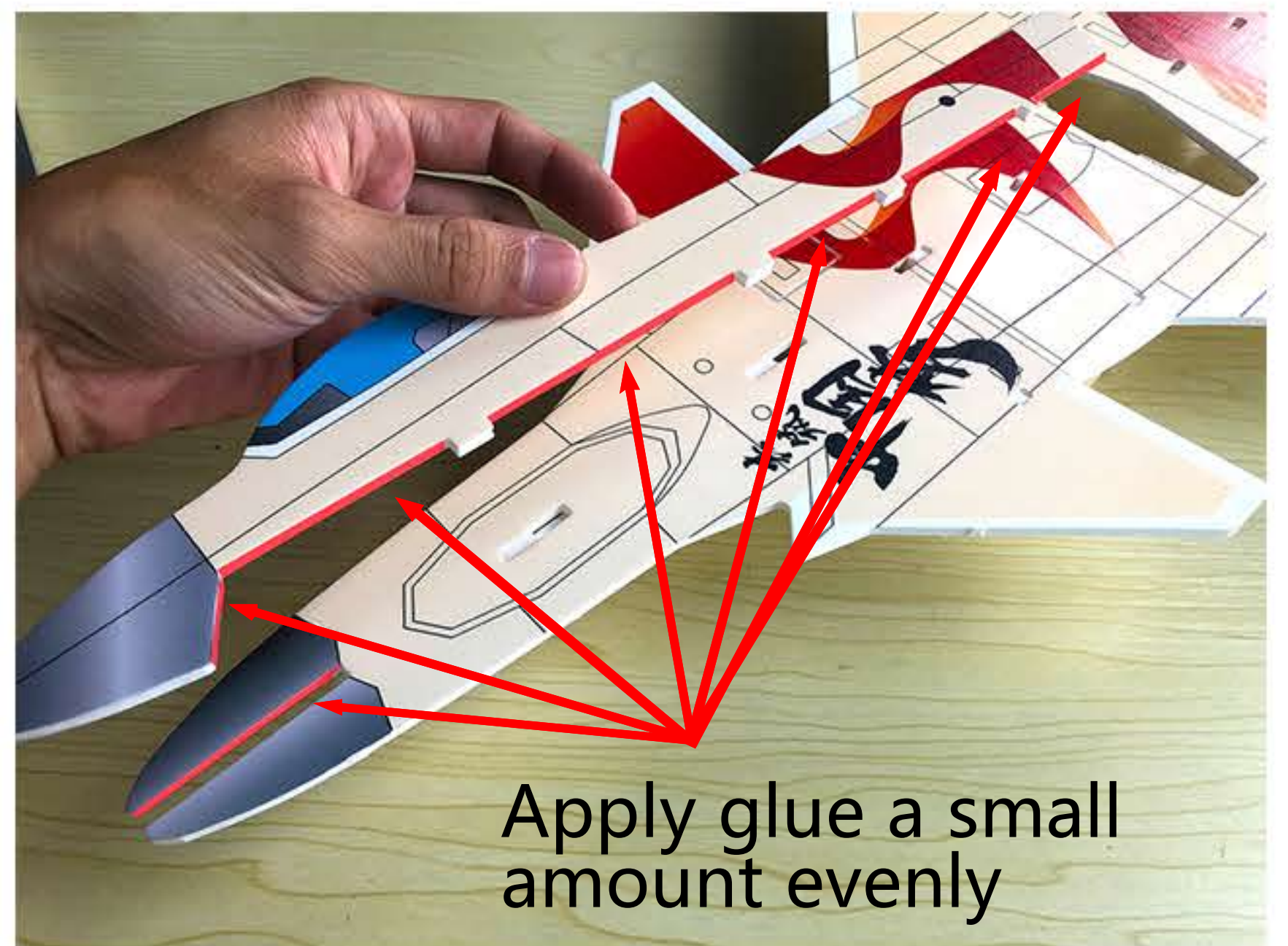
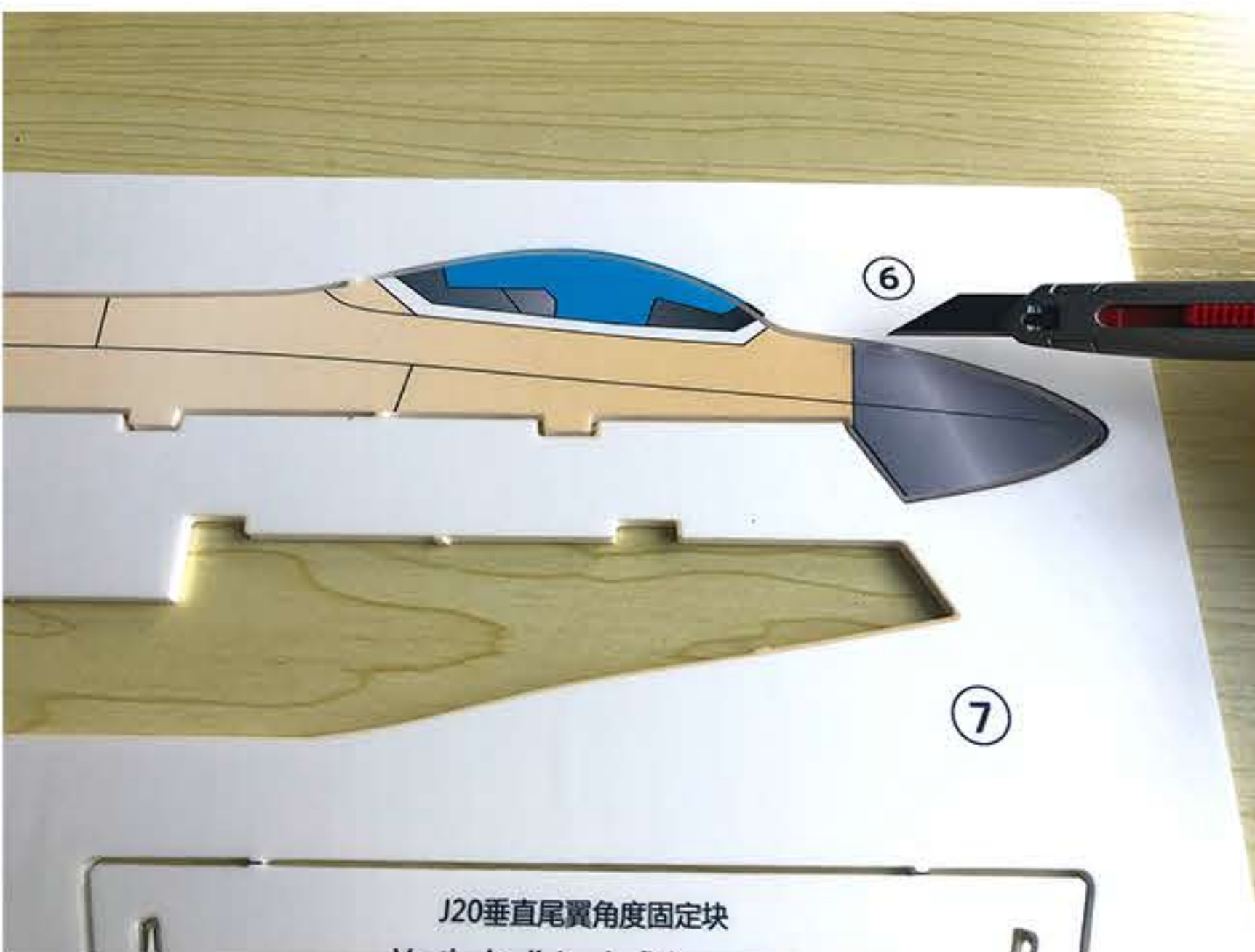


5. Find the No.3 and No.4 board, cut along the connecting side. Align and bond as shown below.

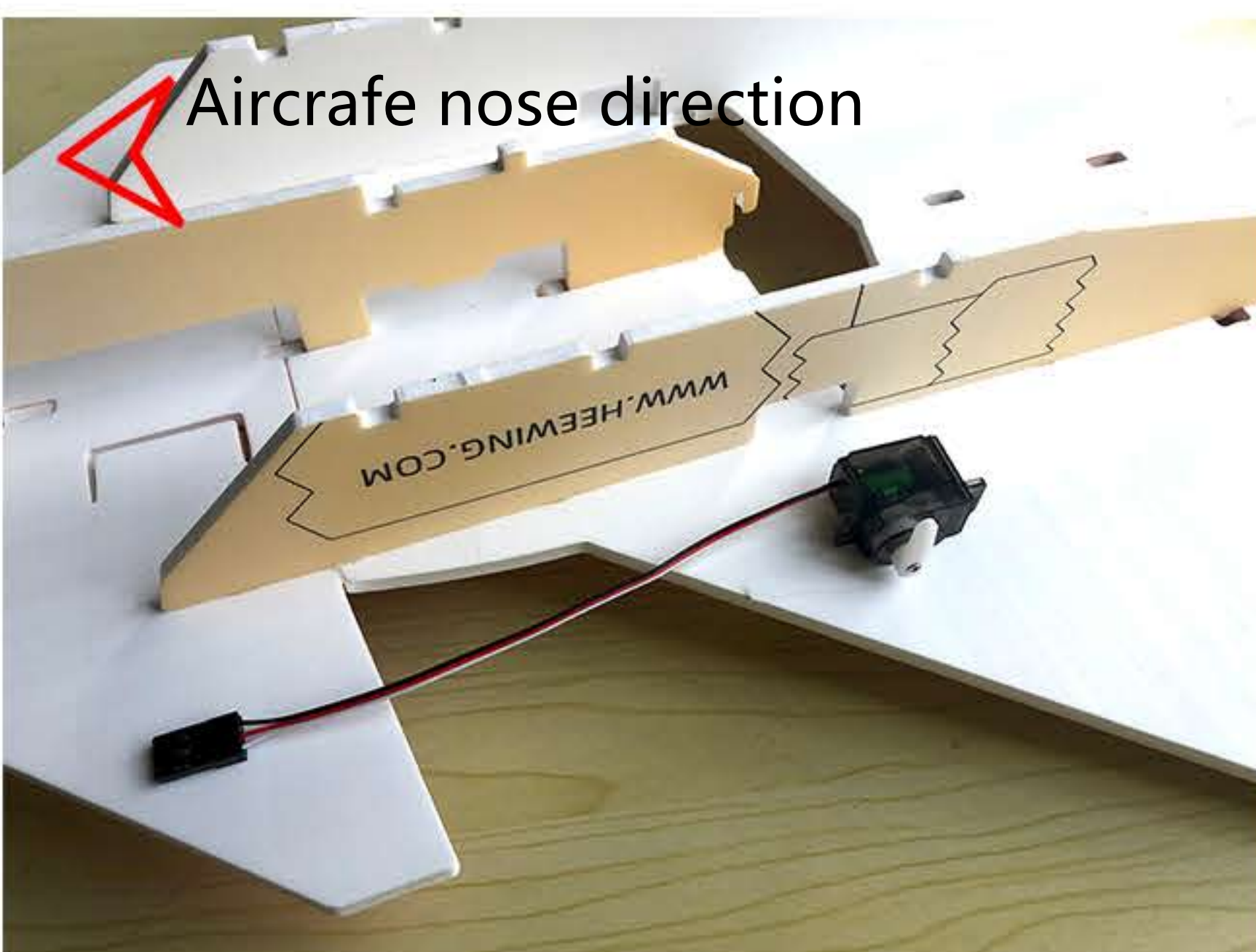




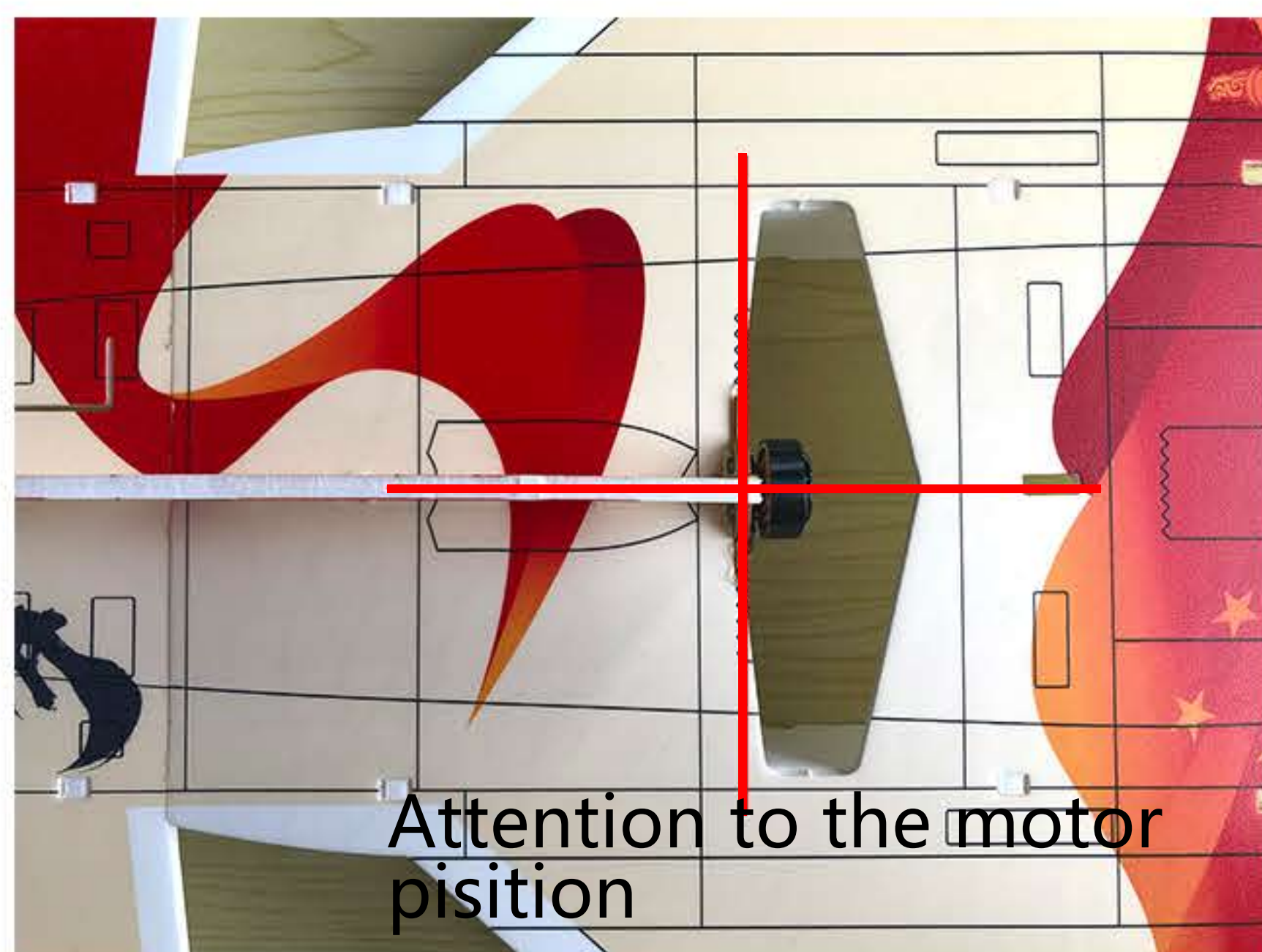
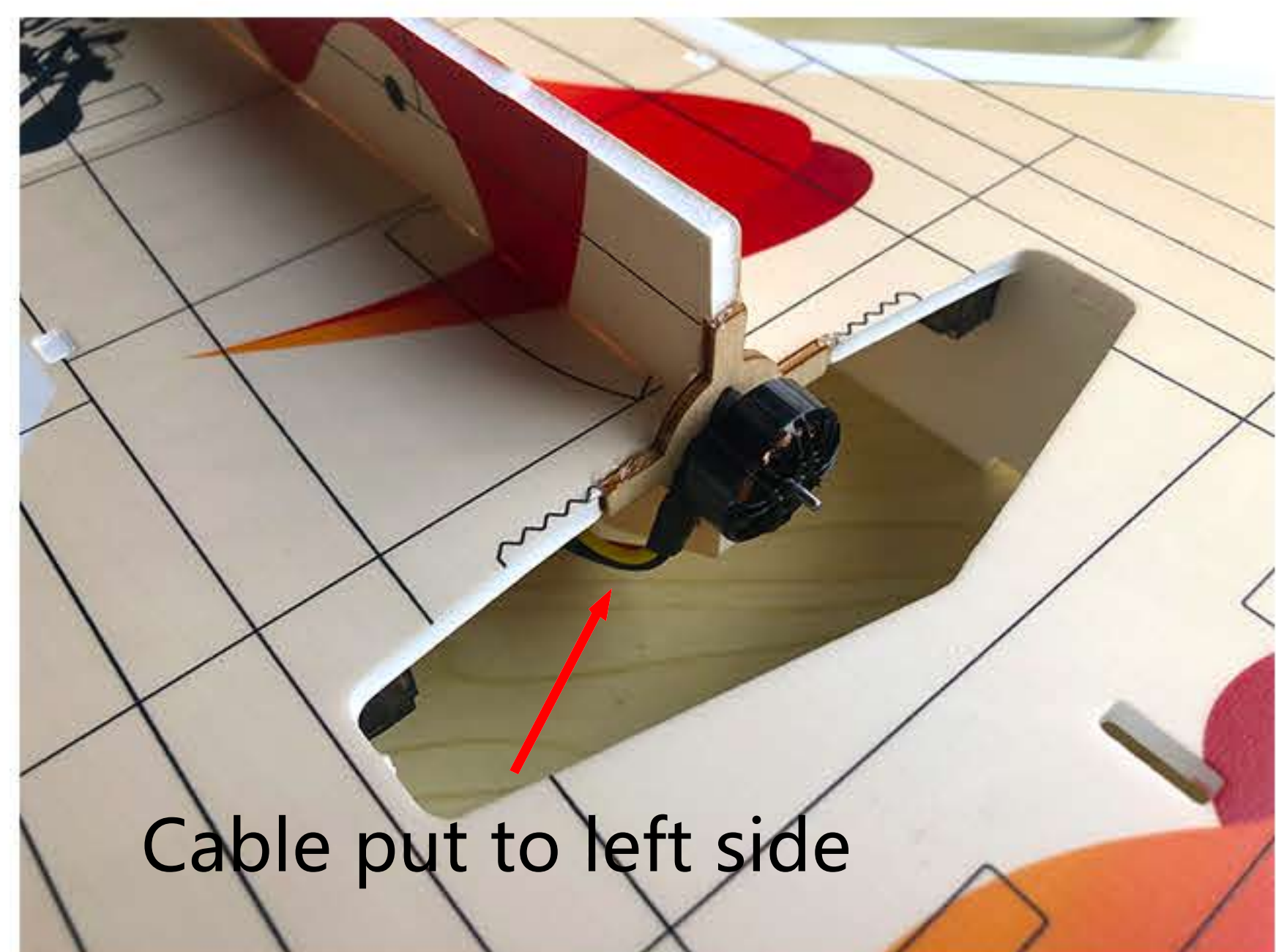
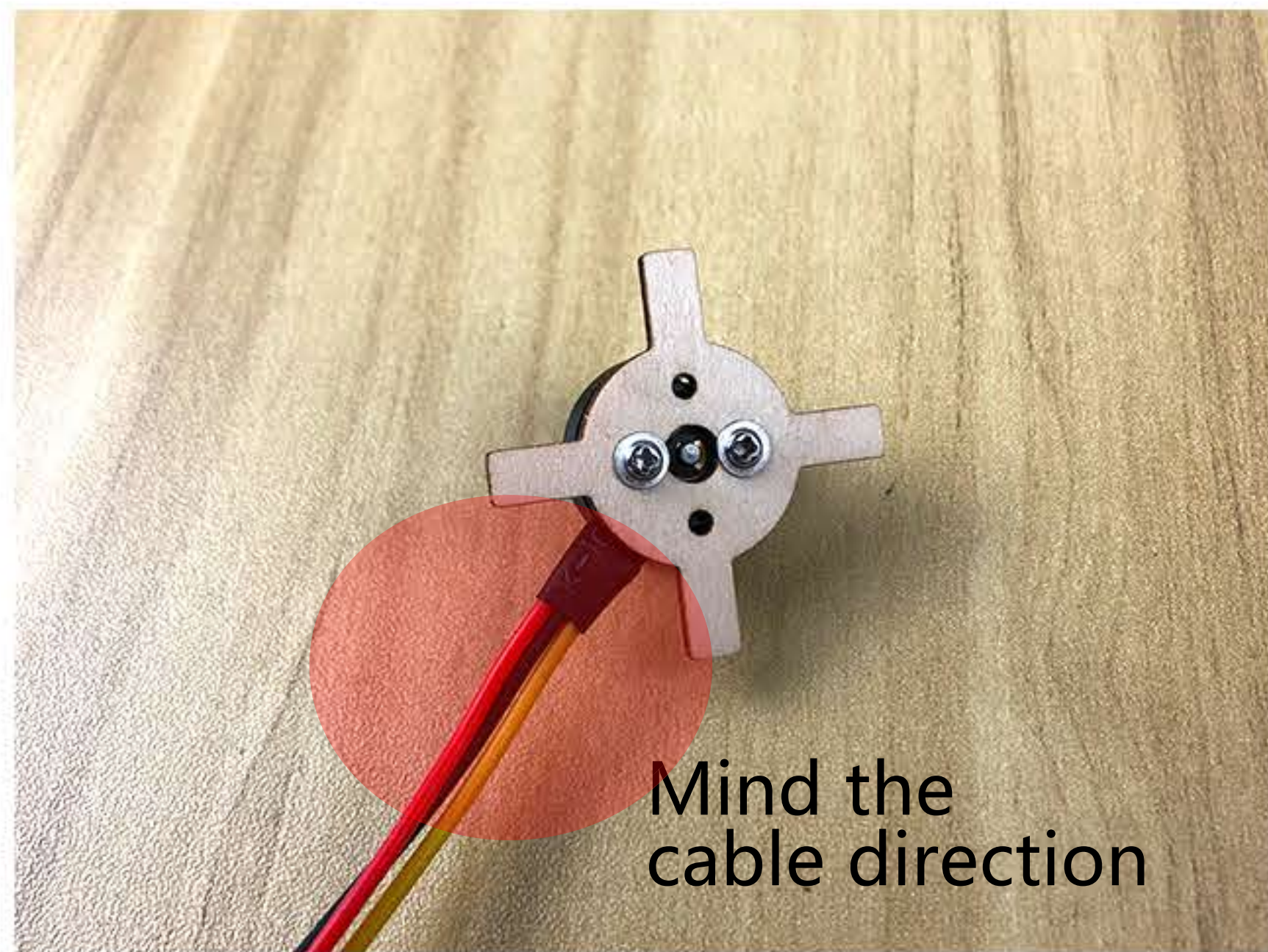
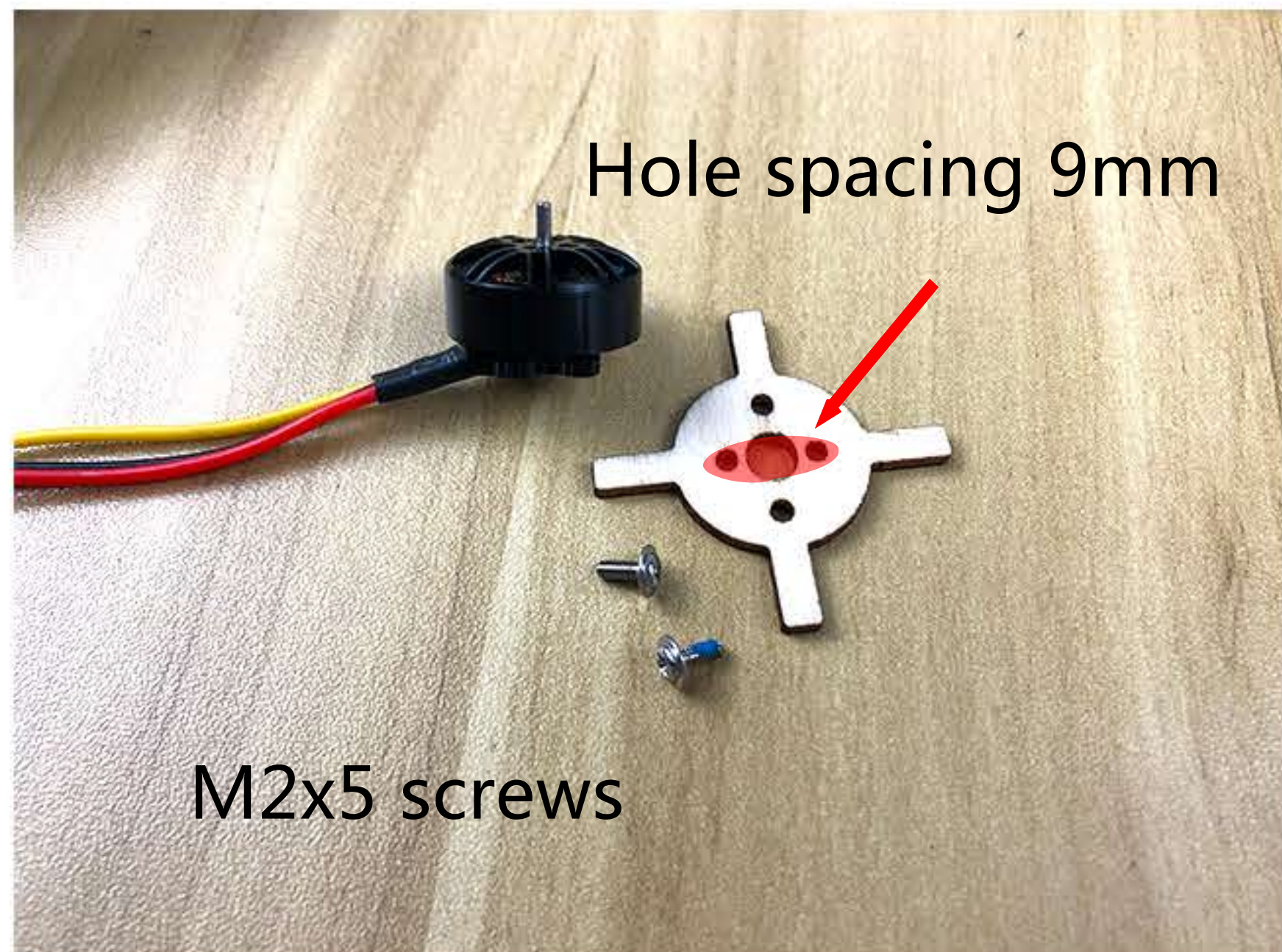
6. Find the No.6 board, cut along the connecting side. Align and bond as shown below.



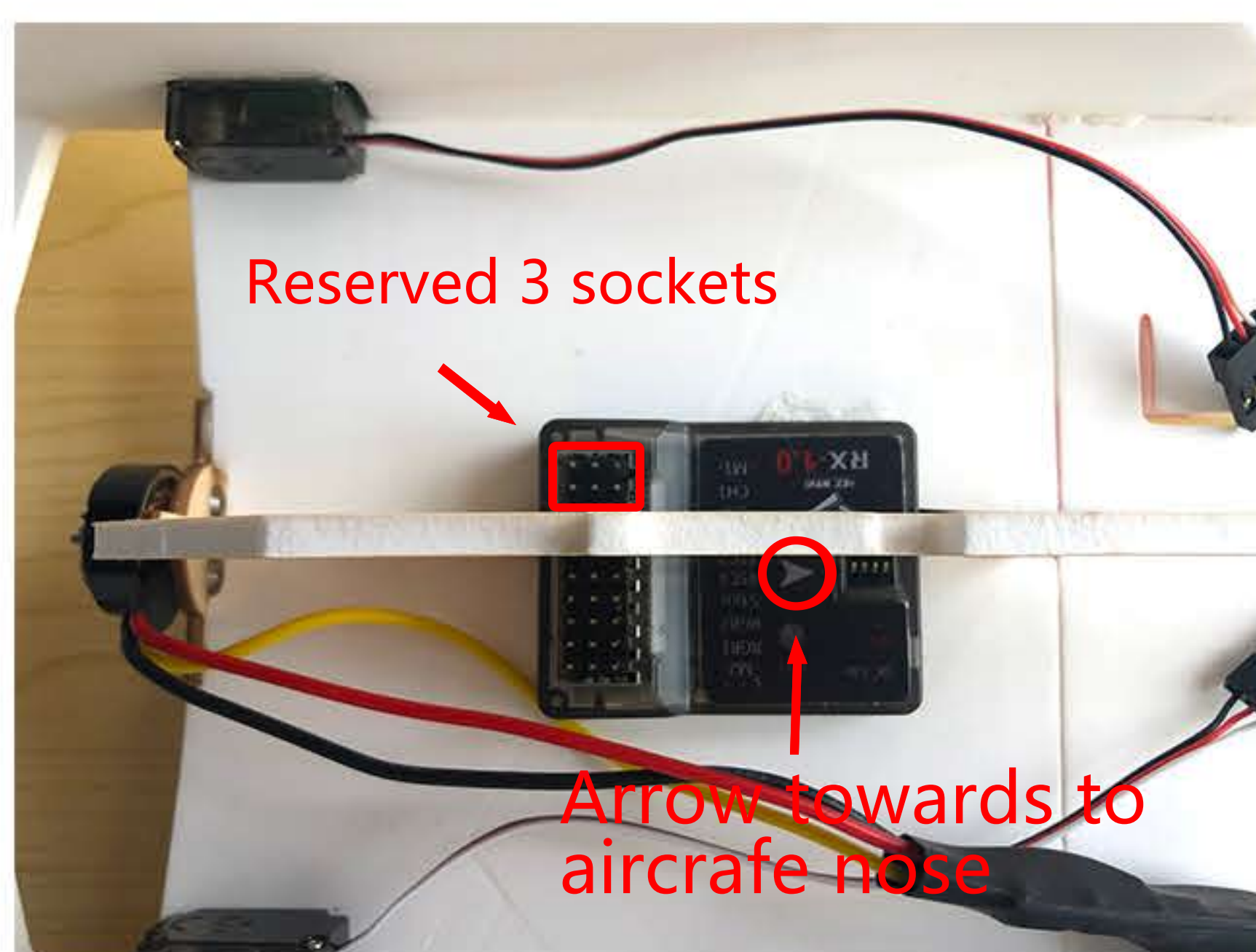
7. Install servos, servo arm already installed, please note the right and left direction of it, the cable is going to forward. (Use foam glue or hot melt glue to fix) the same method to install the other side servo.

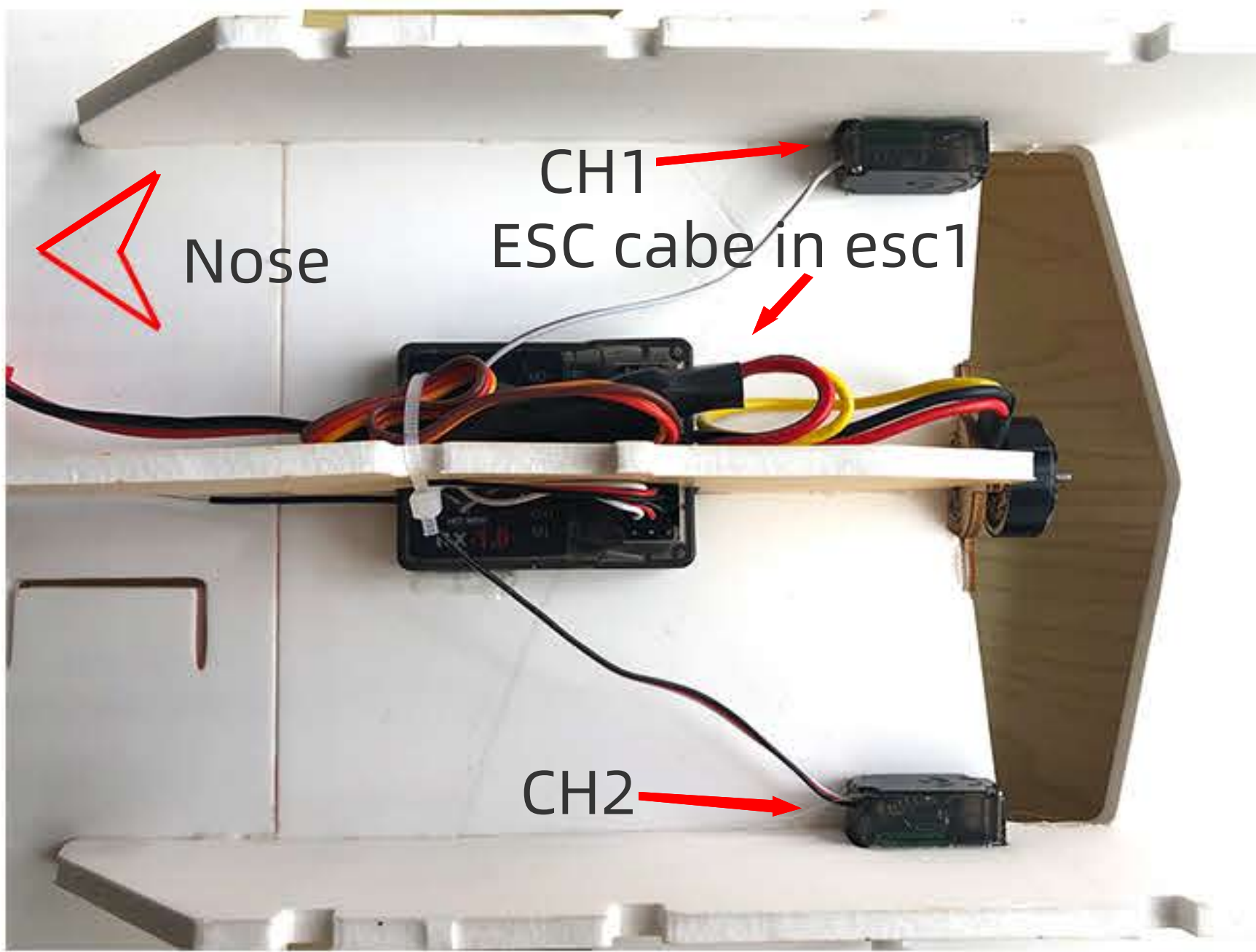


8. Install Motor/ESC, (Attention to the level position between motor and fuselage) bond by foam glue or hot melt glue after adjust.



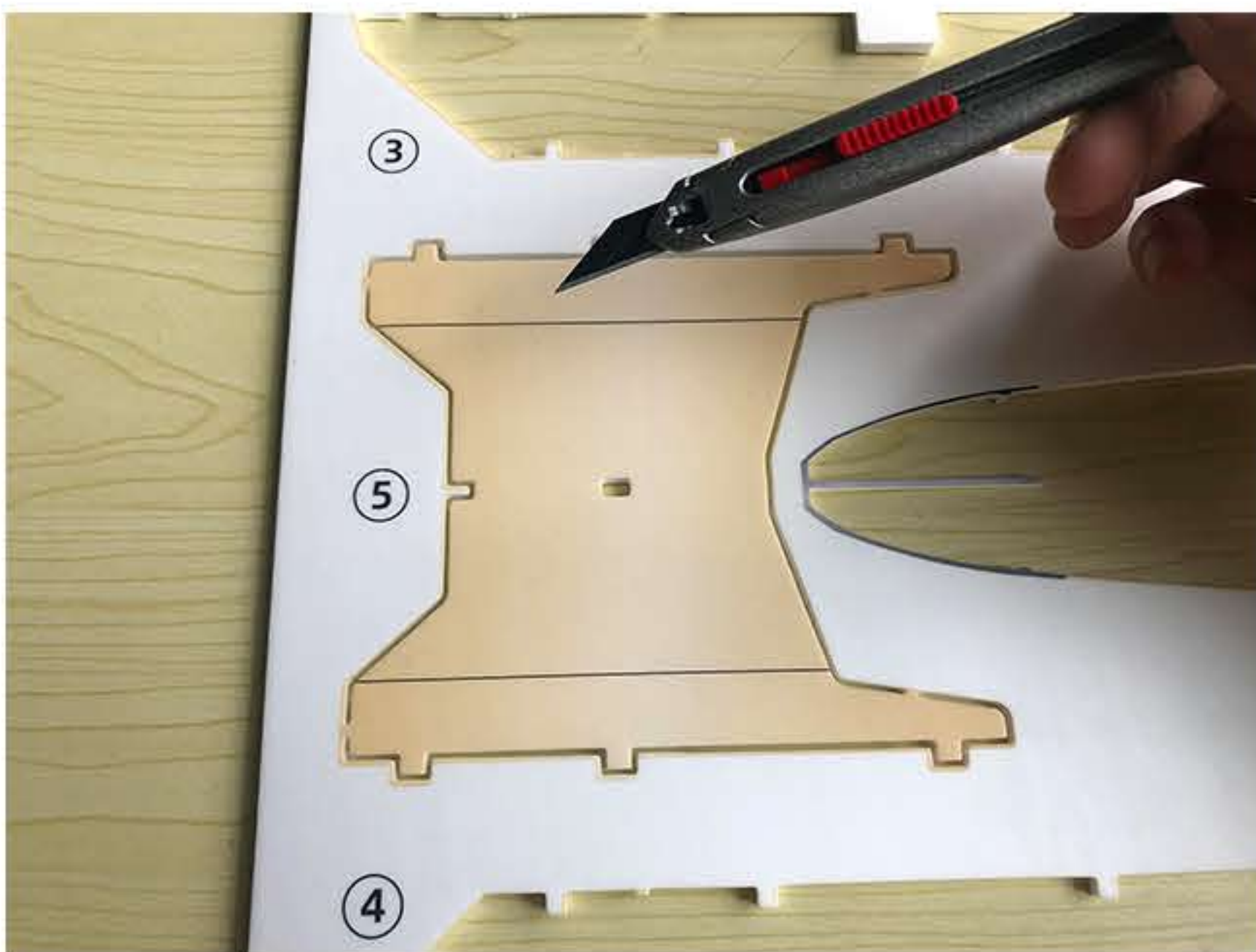
9. Install flight controller, use the double-sided tape to fix the flight controller to designated position, use the nylon tie to fix all cables properly.



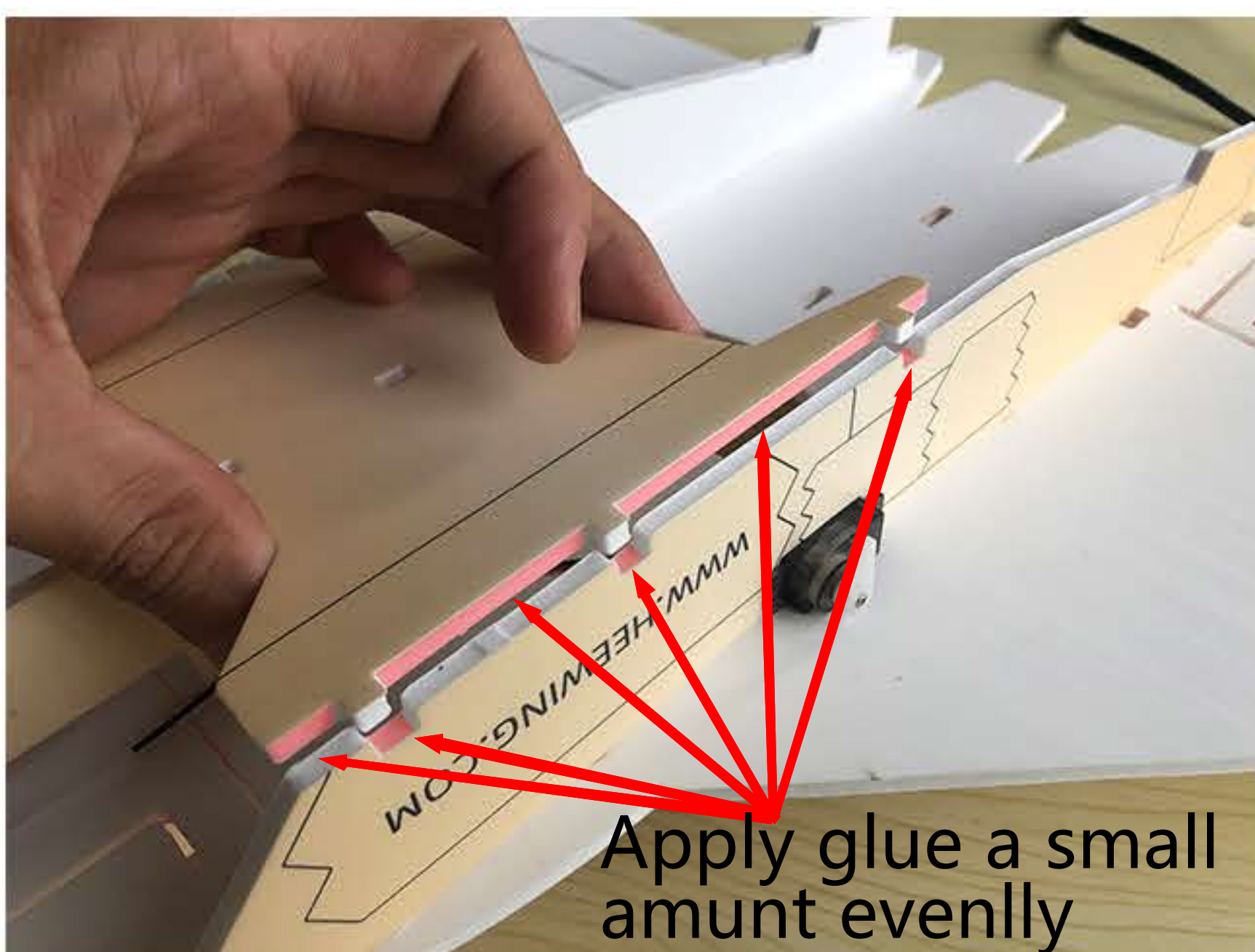


Negative pole (brown or black color) backward

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



Apply glue a small amount evenly

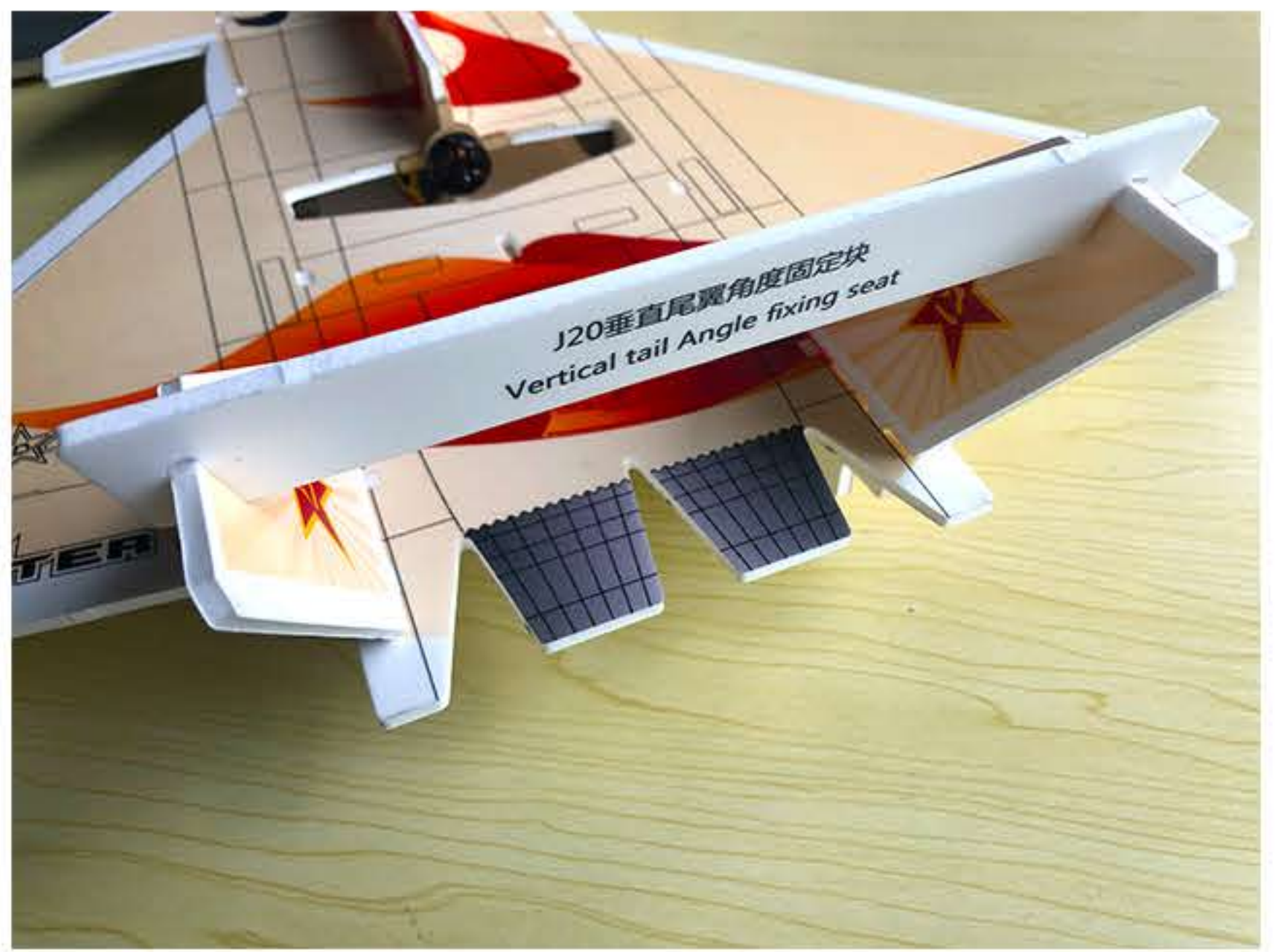
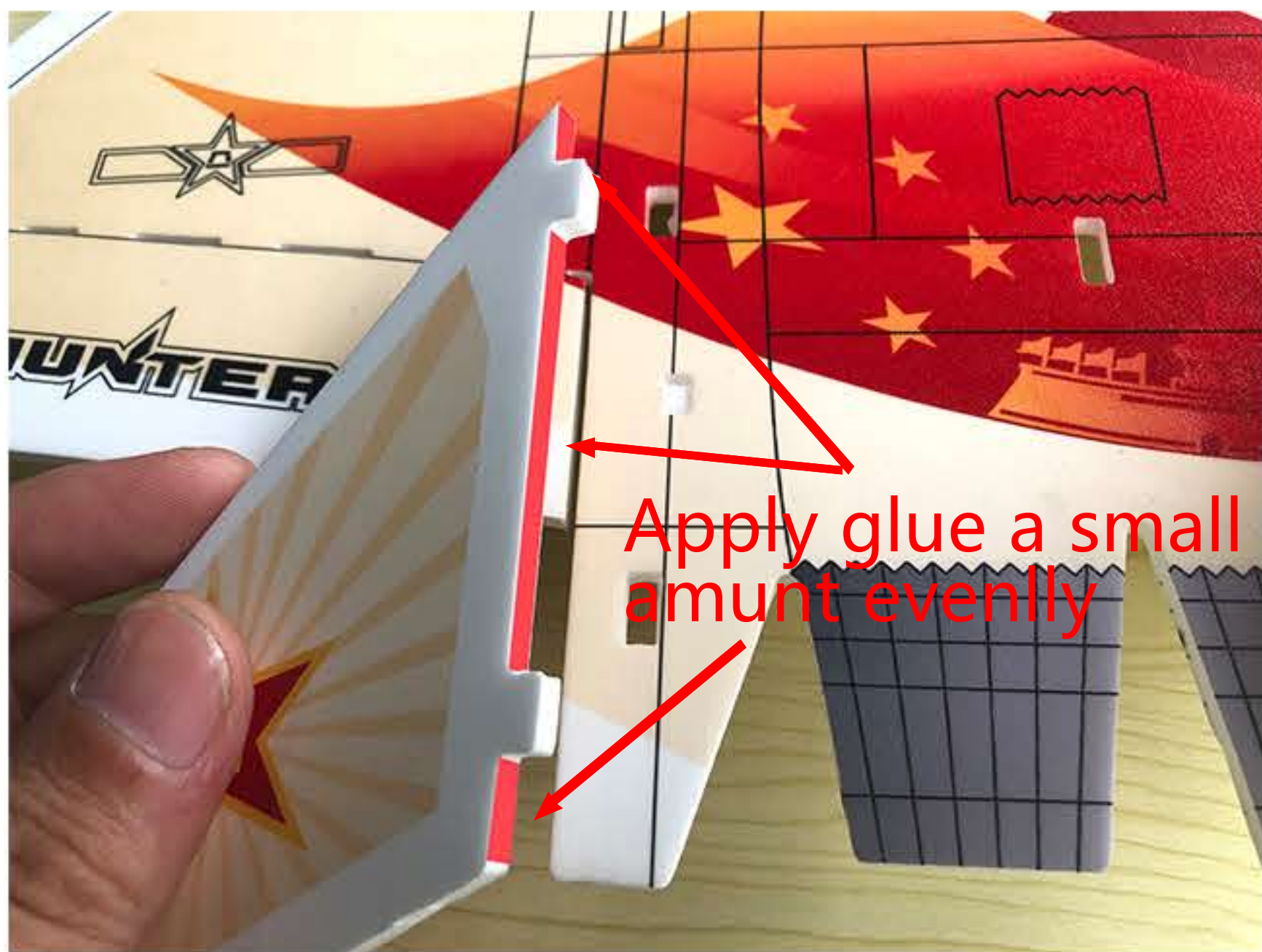
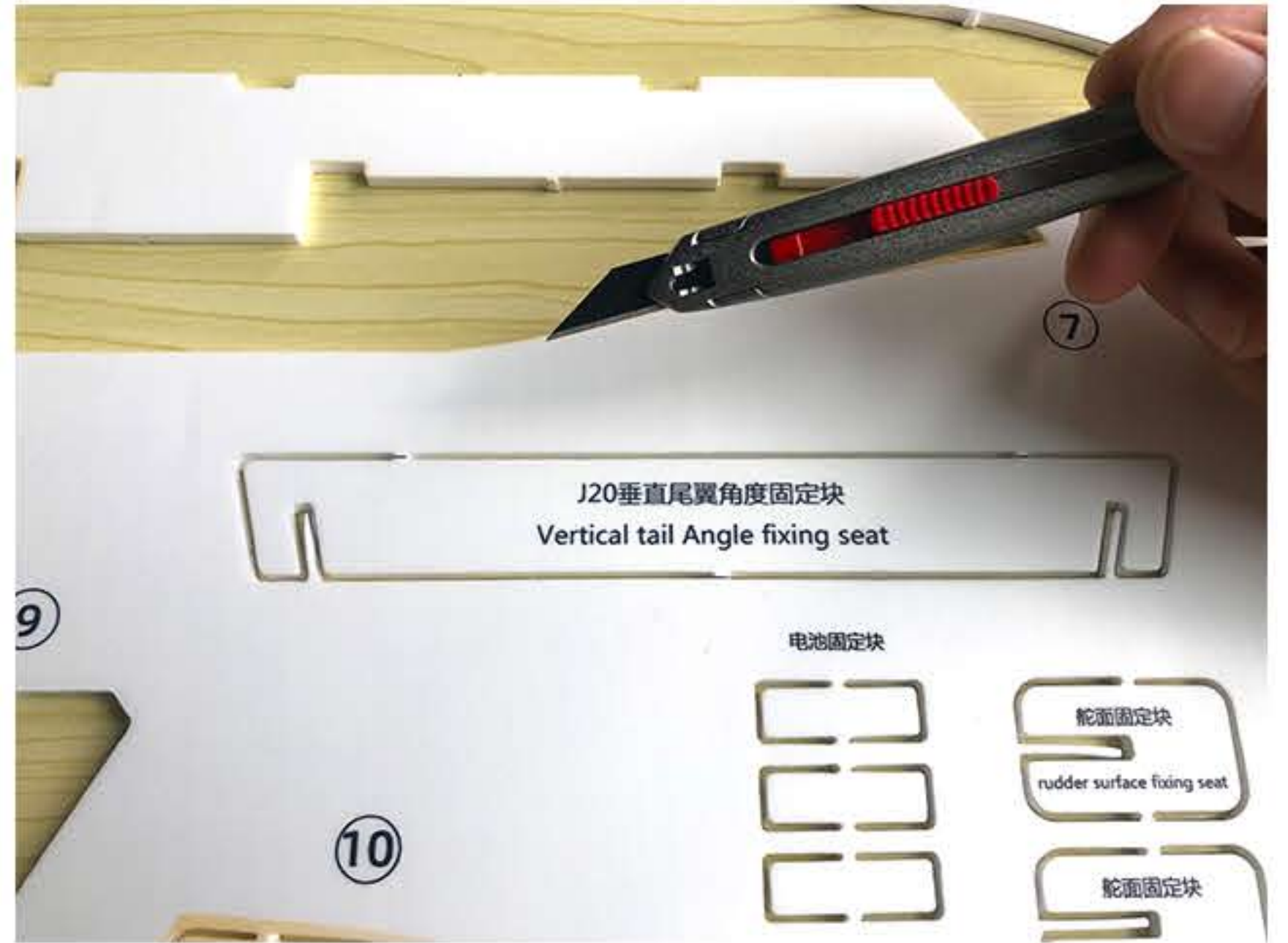
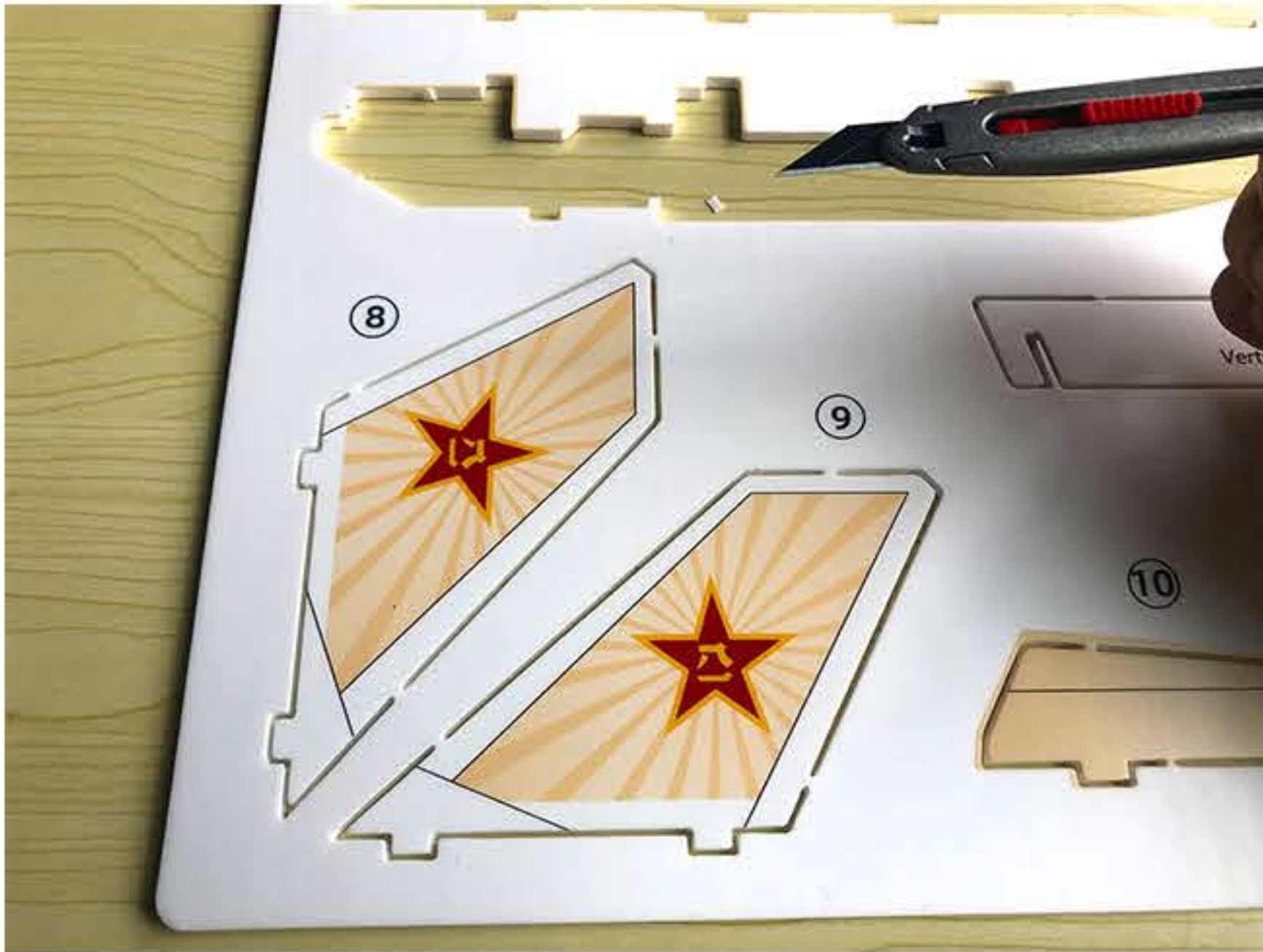


Apply glue a small amount evenly

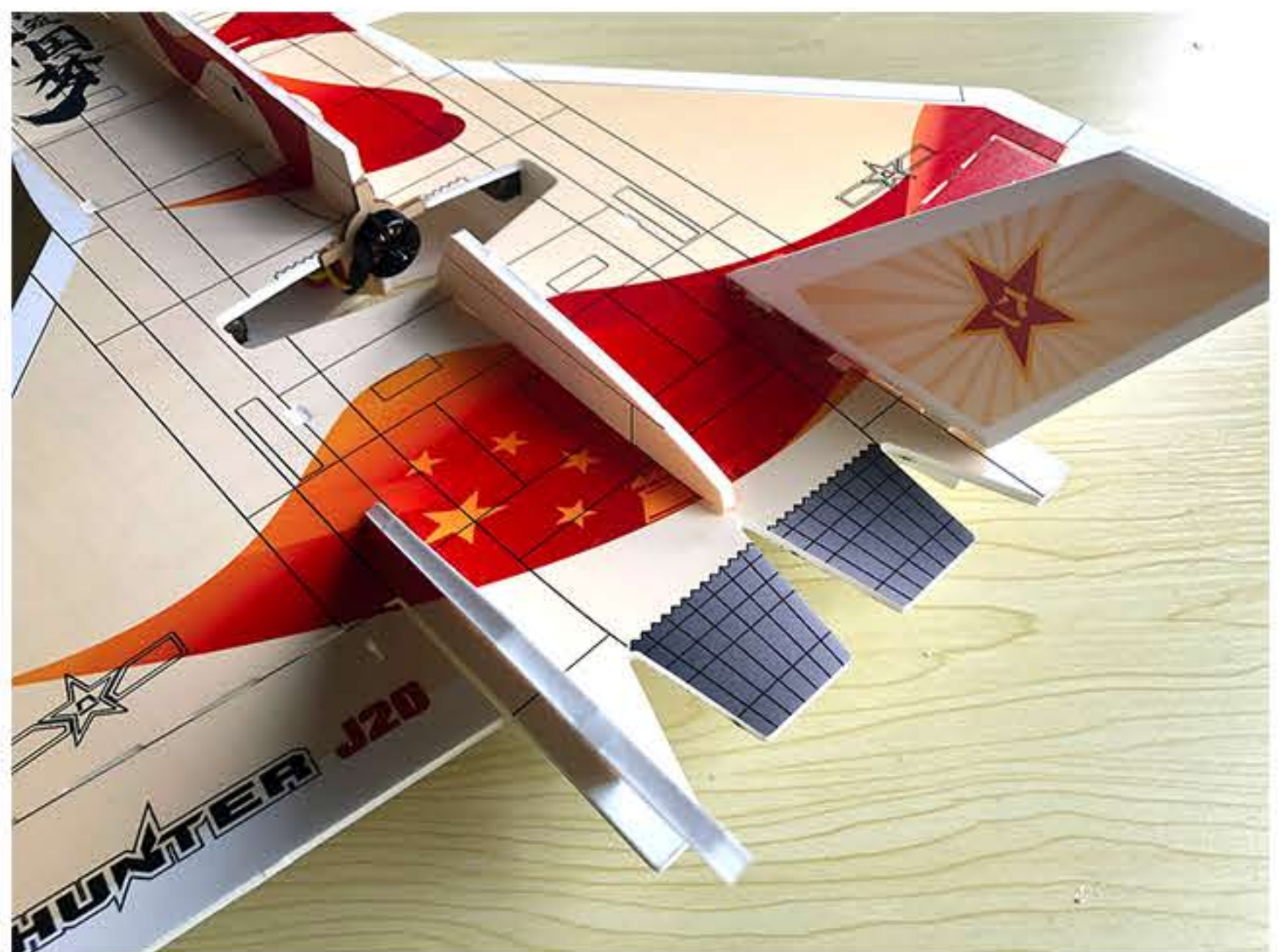
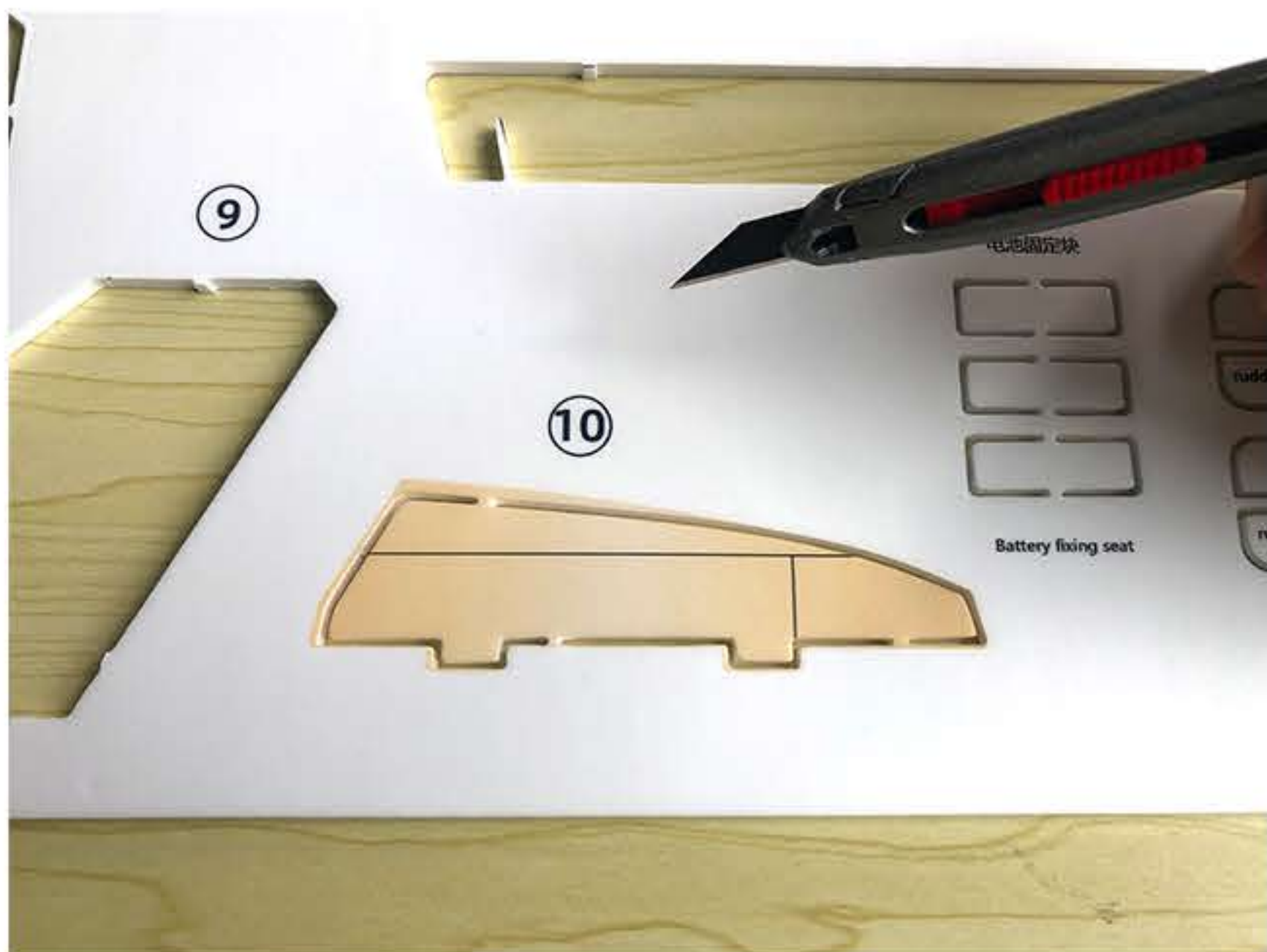


Use the same method to glue both side

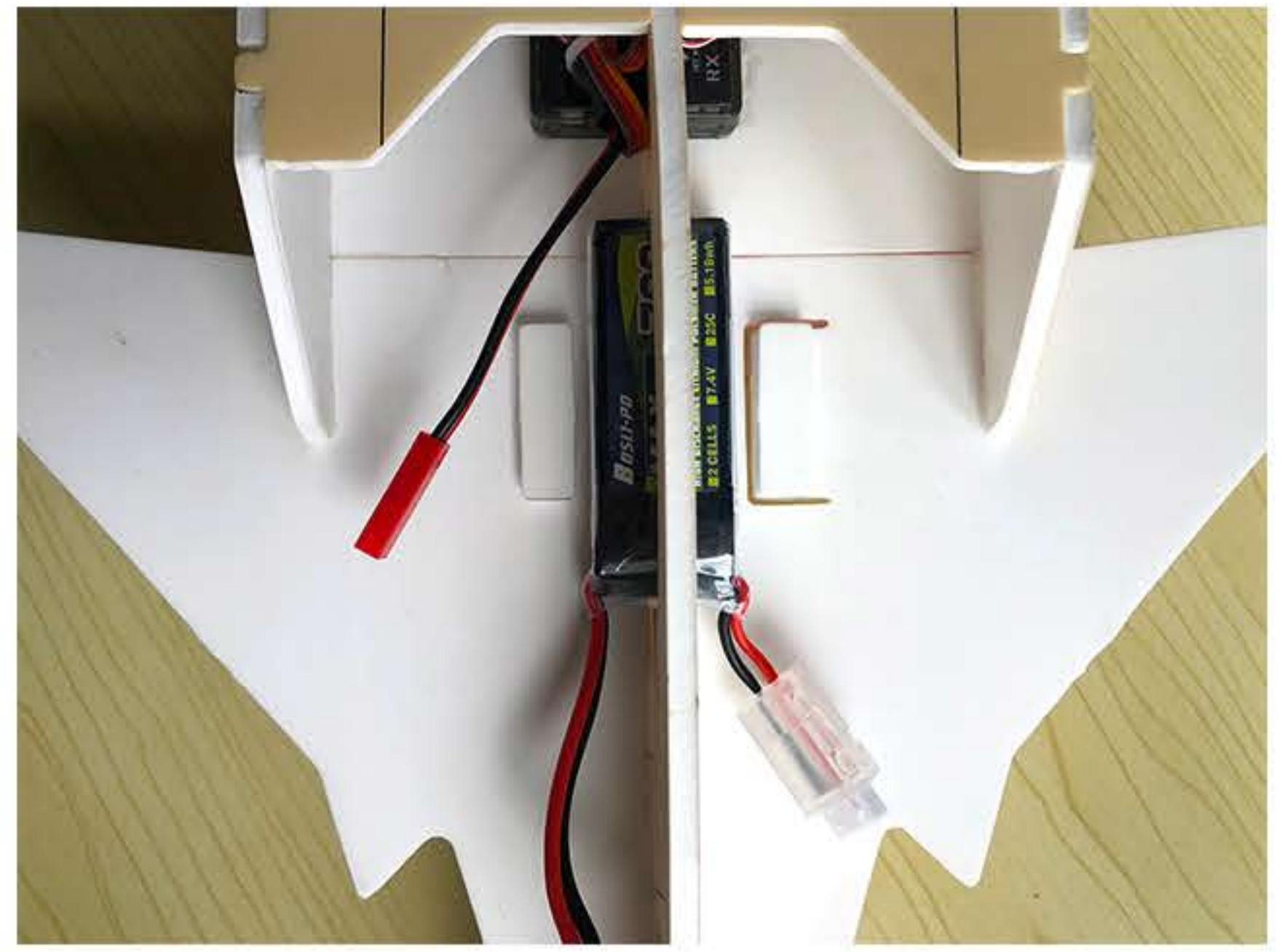
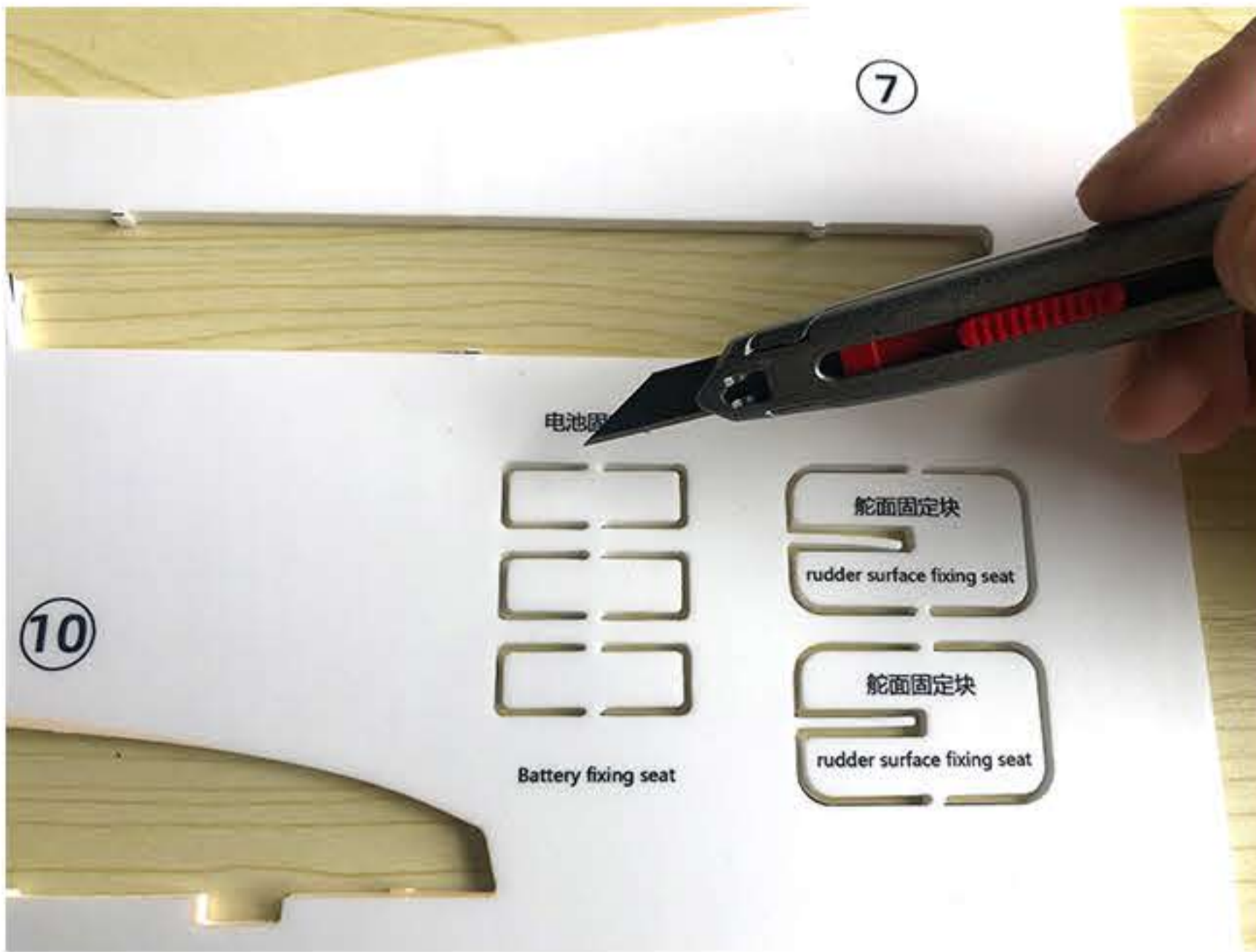
11. Find the No. 8, No. 9 board and vertical tail fixing seat. Use the fixing seat to fix the position and remove until No.8 and 9 both glued and fixed.



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



13. Paste the battery-fixing seat. Check the position to glue and paste according to your battery size.



三、SETUP

RTF including X6 transmitter which is already bind.

1. Binding the transmitter and receiver. Open the transmitter battery cover, install 3 pcs of AAA battery. Step 1, Power on the aircraft, make sure the aircraft is in a level position to self-inspection (the signal light in receiver is slowly flash) . Step 2, pull the throttle stick in the lowest position, press the No. 5 button and turn on the transmitter power meanwhile, the indicator light will start to flash, you need to push the throttle stick to the highest and pull back to the lowest, then the indicator light becomes a continuous light, binding complete.

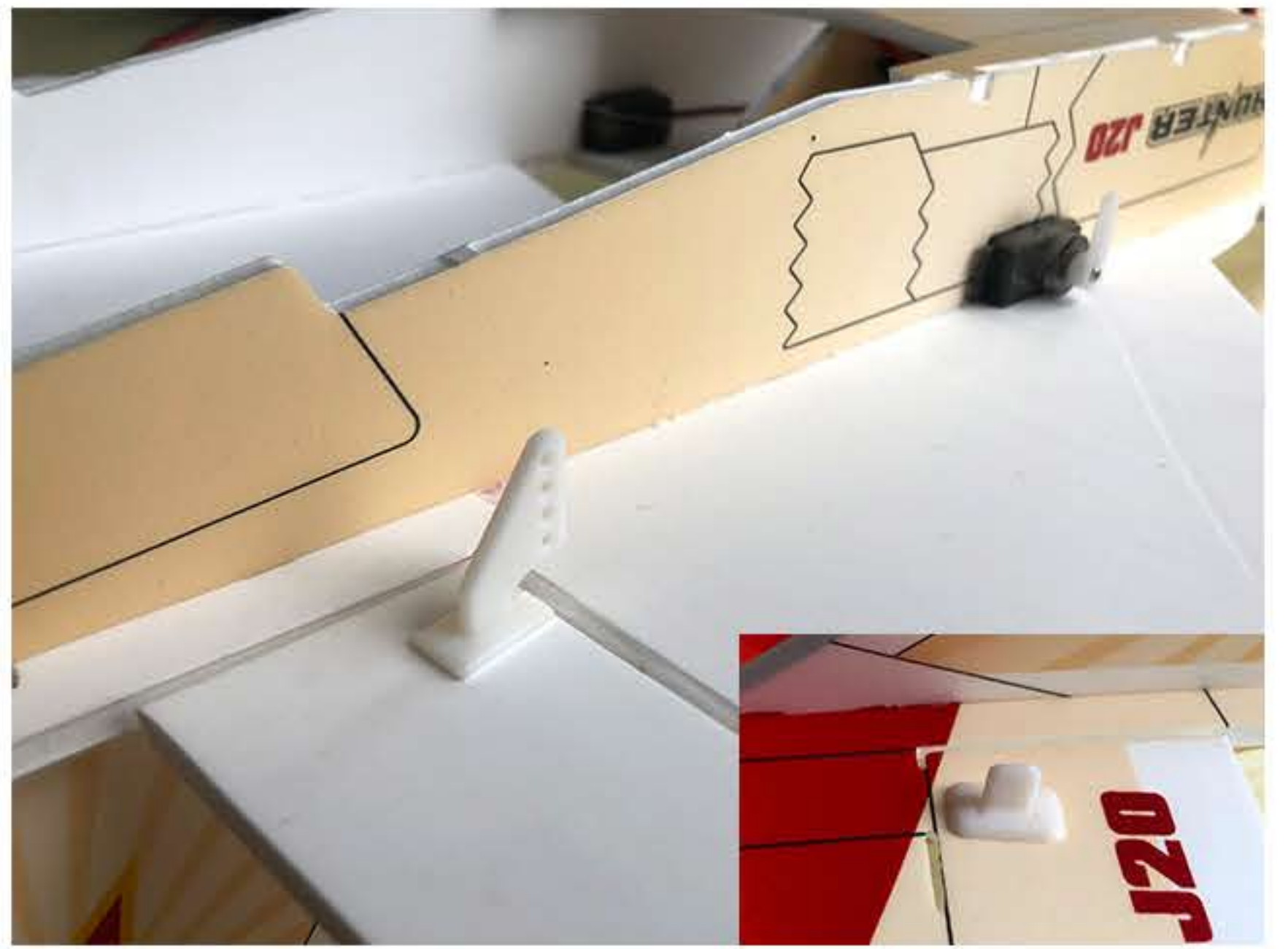
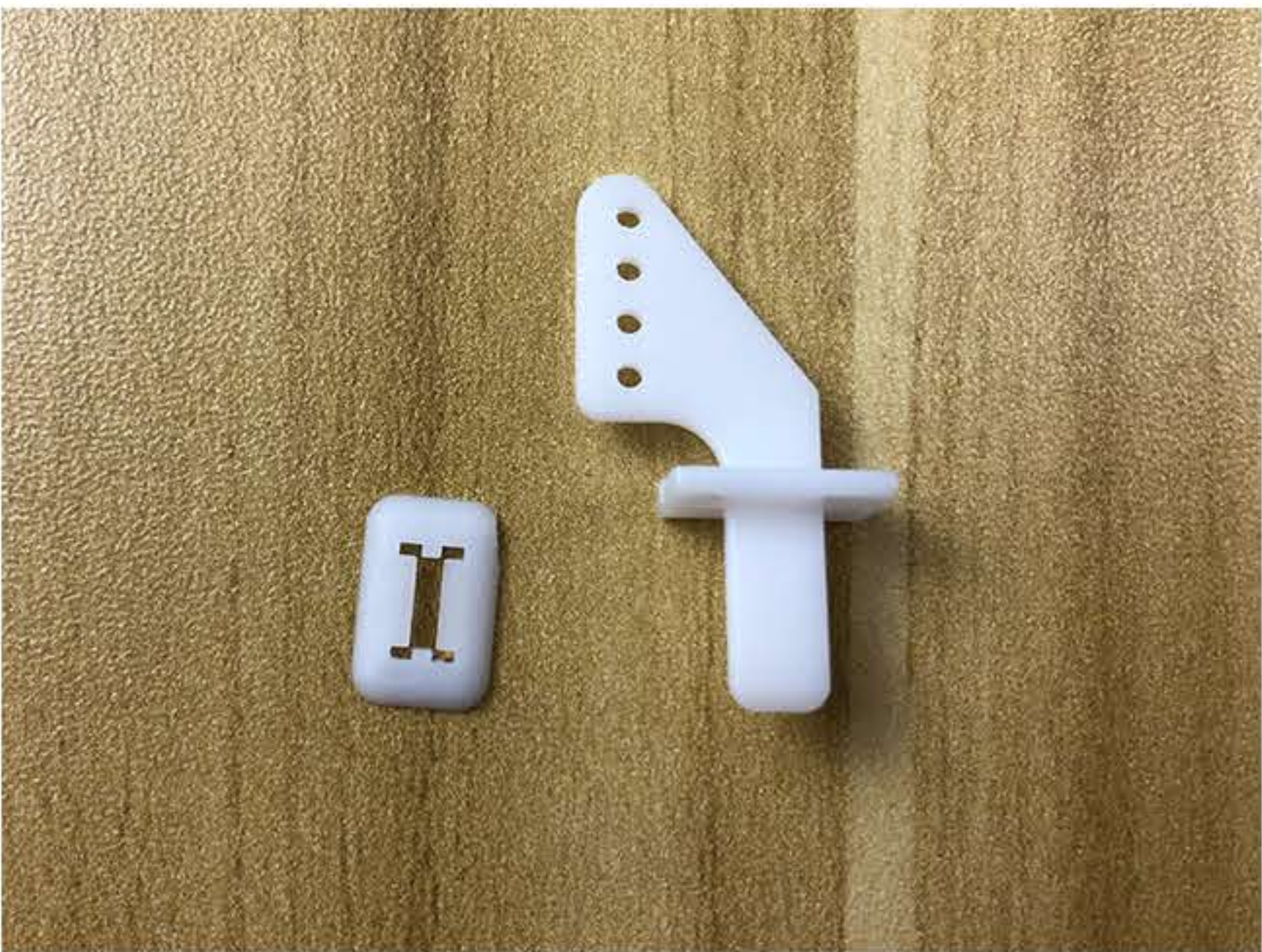




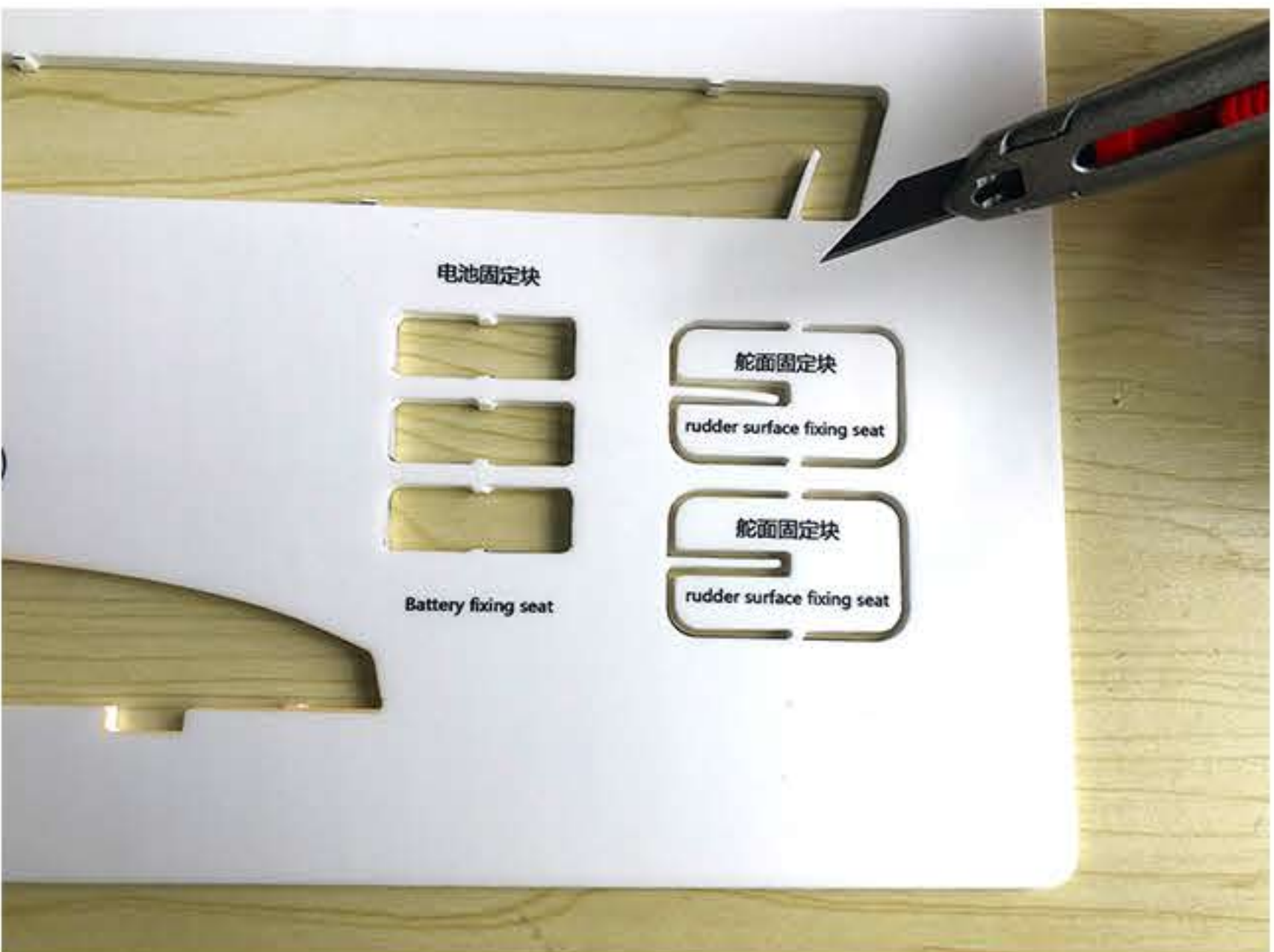
If use S.BUS receiver, transmitter set to regular "AIRPLANE" mode type. Find and switch on the CH5 (Throttle lock) CH6 (MODE switch) CH7 (Sensitivity) CH8 (RGB Light), bind the transmitter with receiver. (Binding method please refer to transmitter manual)

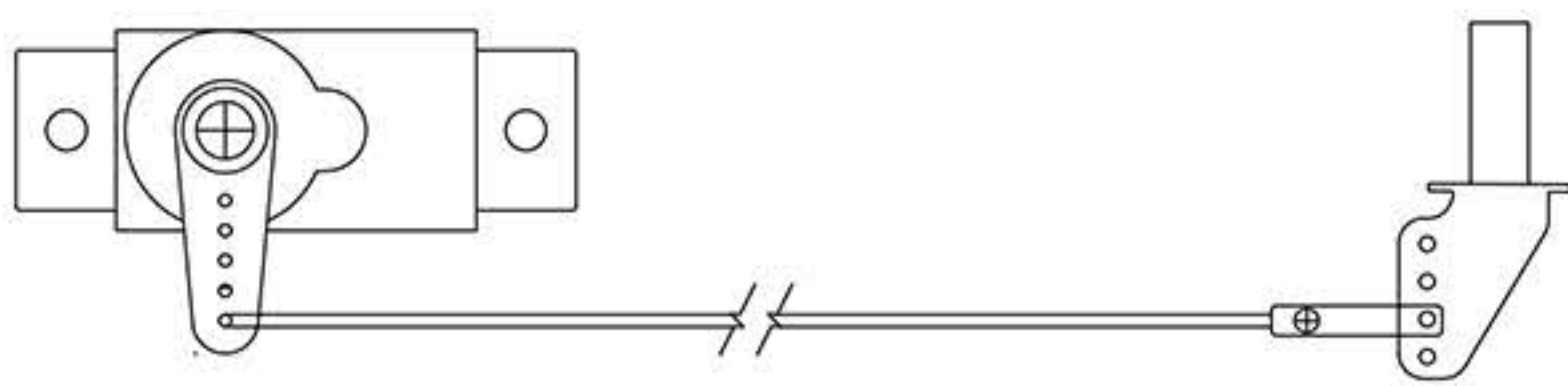
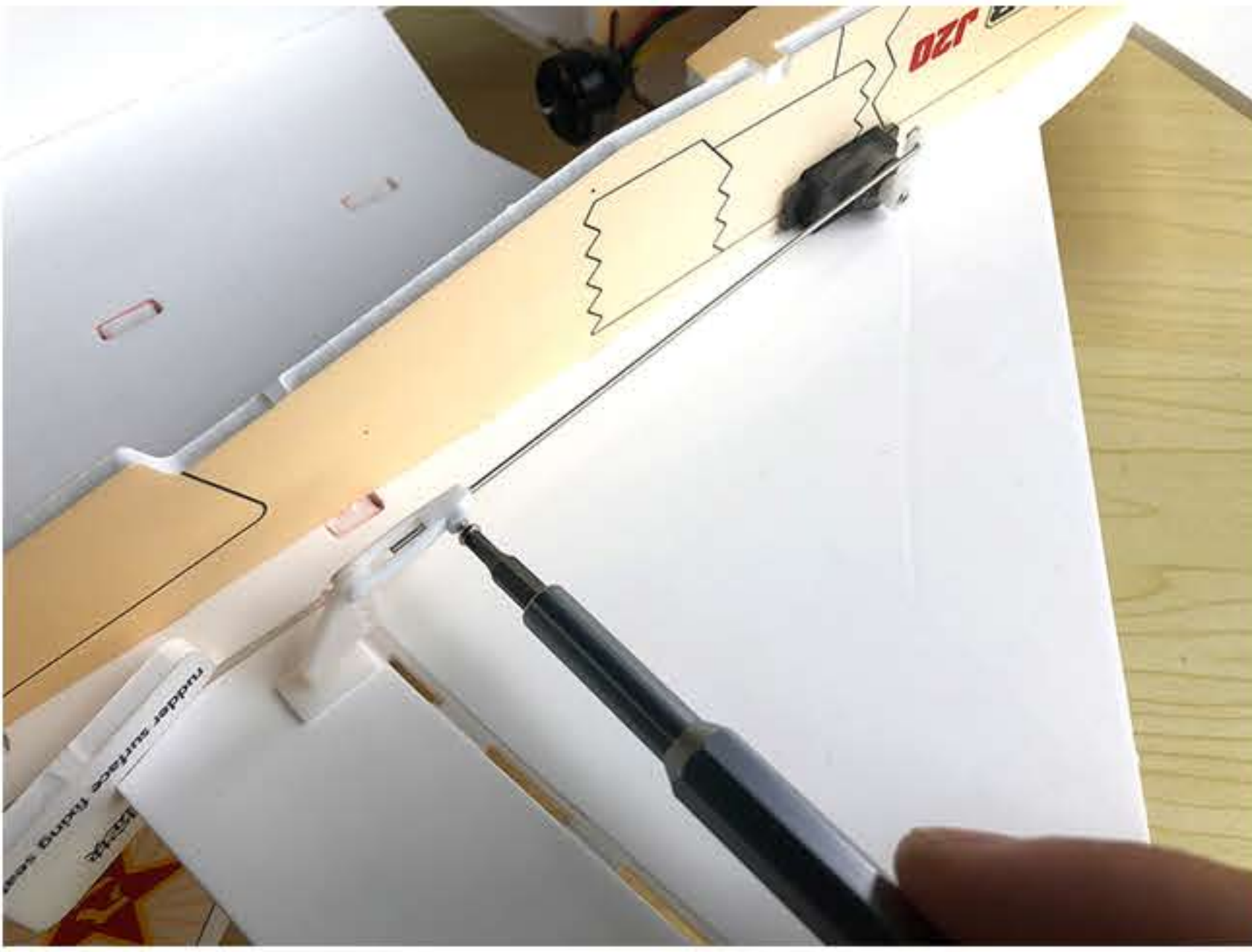
2. Install the servo nylon horn, linkage and linkage lock.

First to separate the nylon horn, use the upper horn part to insert the surface from the up side, then use the bottom half to tight from the down side, you can use some glue to strengthen in necessity. Use the same way to install rest of nylon horn.



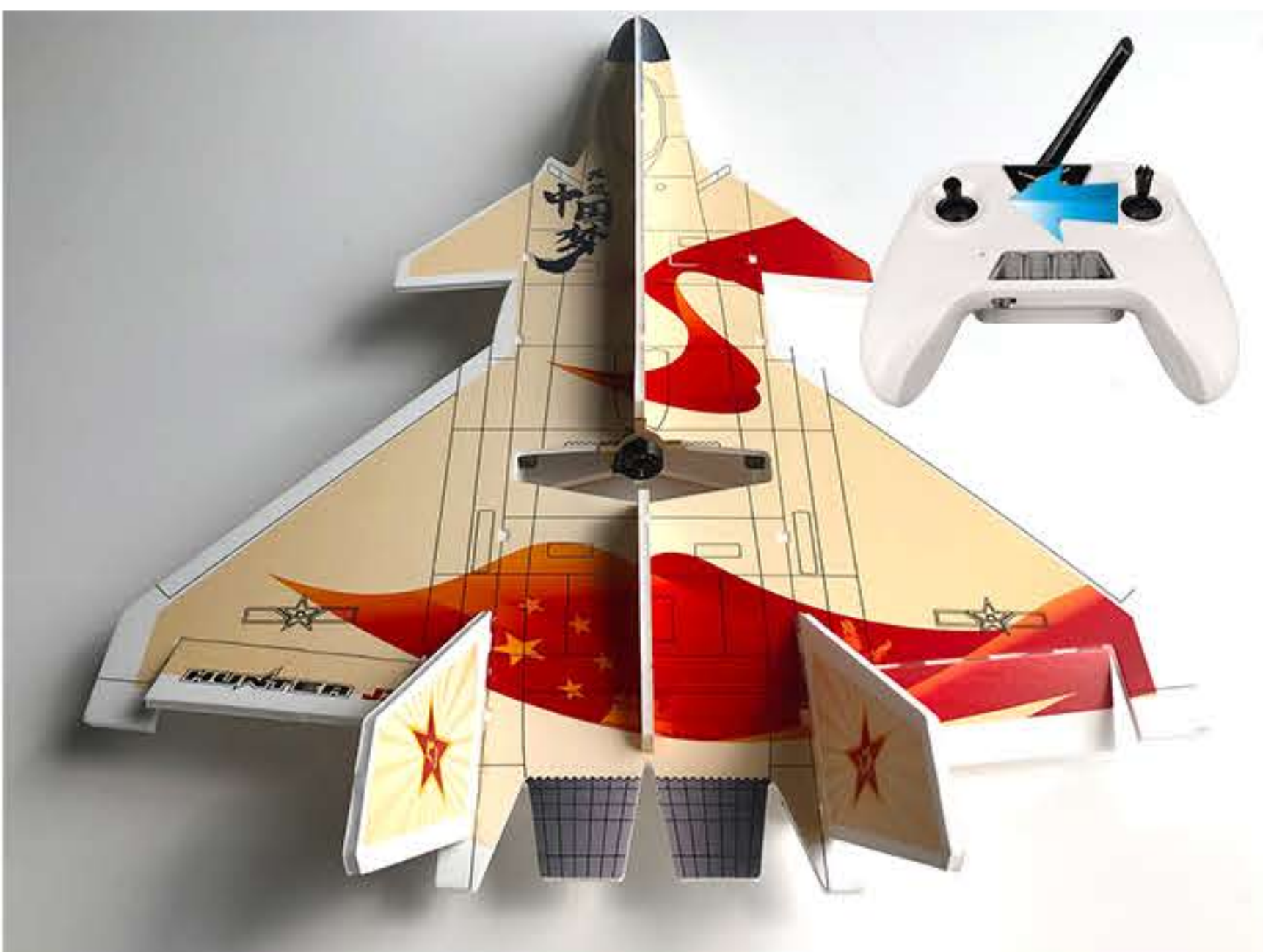
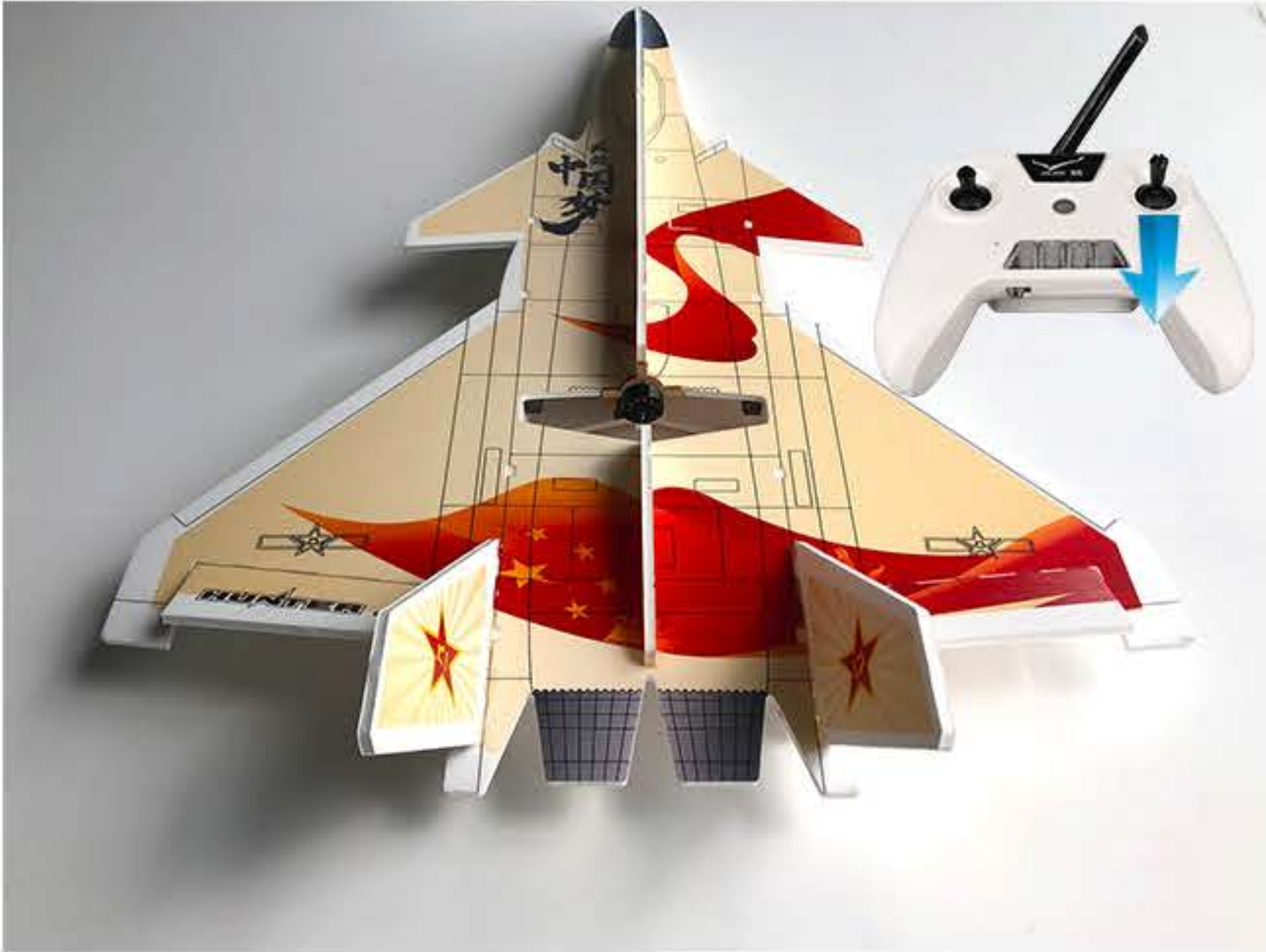
Use the rudder surface fixing seat to level fix, (remove the fixing seat after you install the linkage). Note: Power on the plane during the linkage adjusting, make sure the servo is in neutral position, use the 122mm linkage to connect aileron and horizontal tail. Use the same way to install the other side.



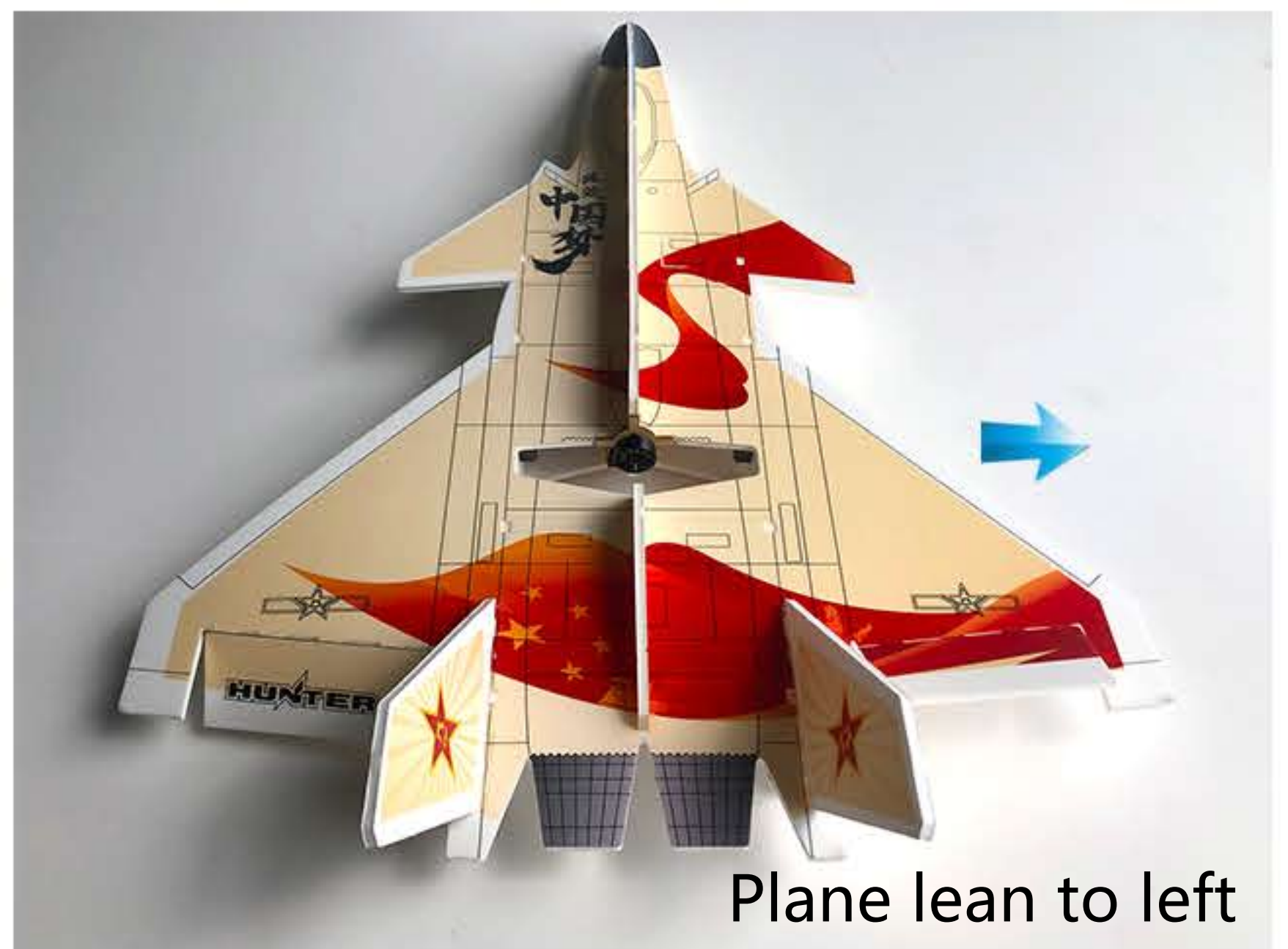
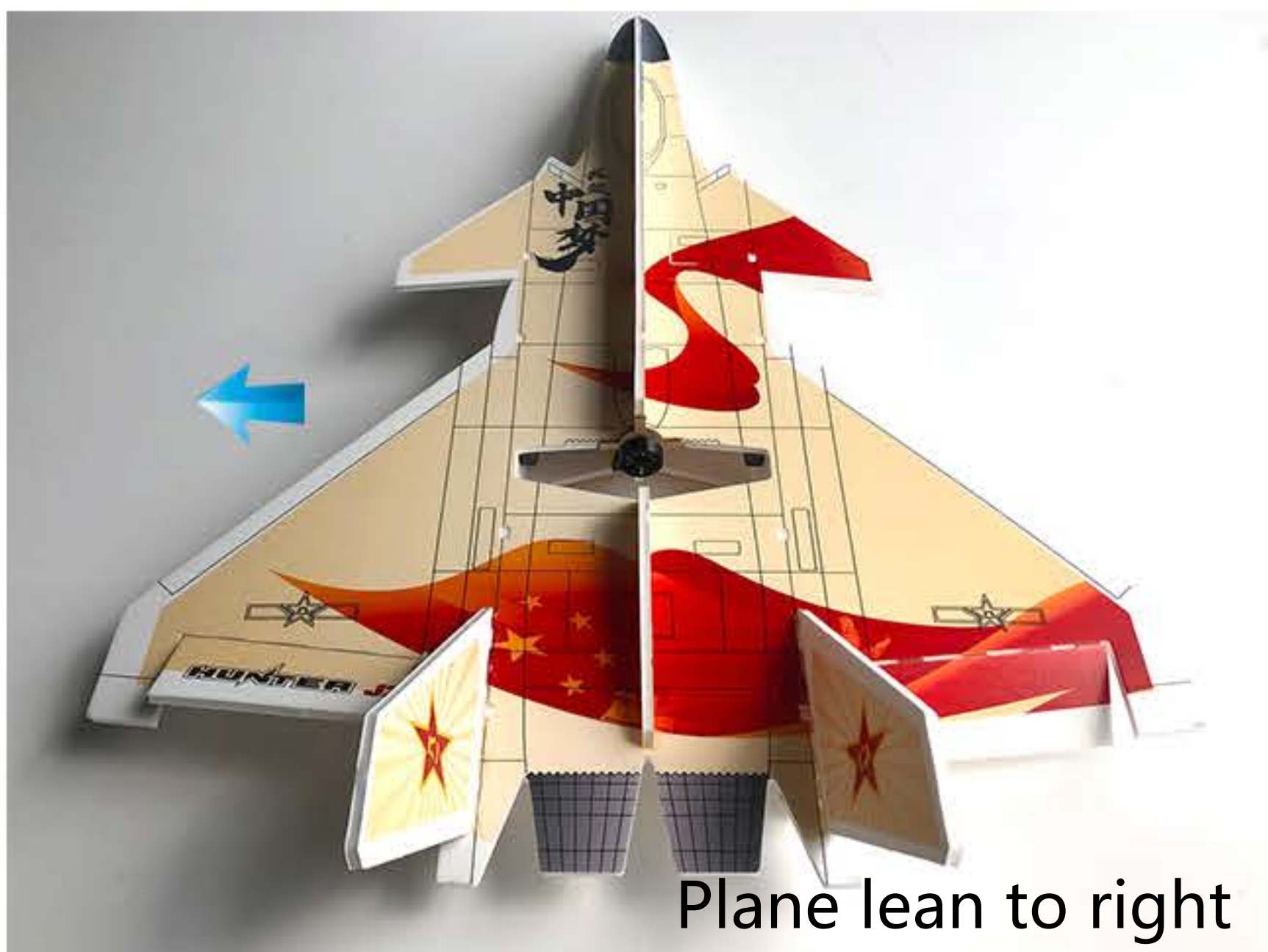
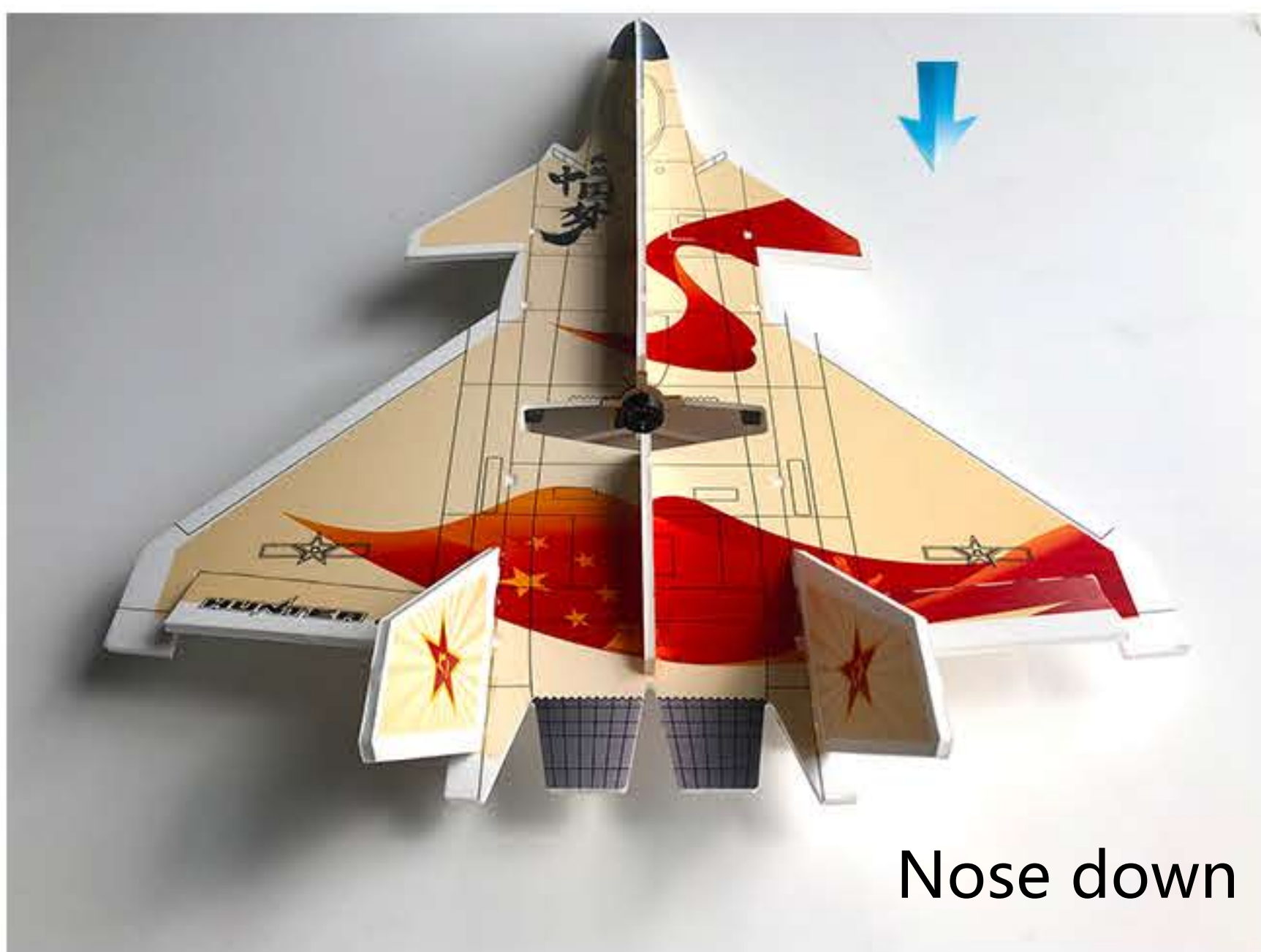


Linkage installation diagram

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)

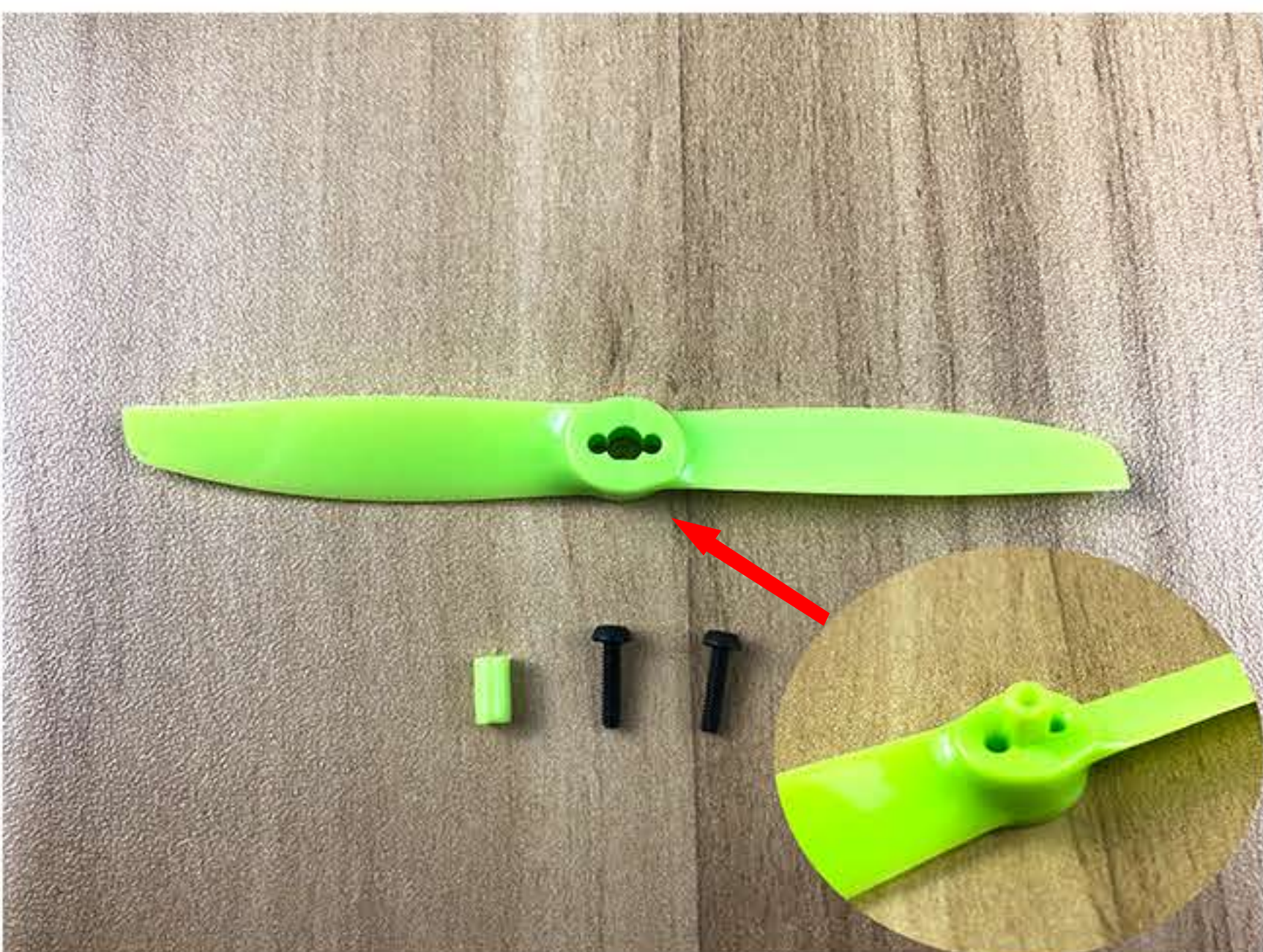


As shown below is flight controller correct direction

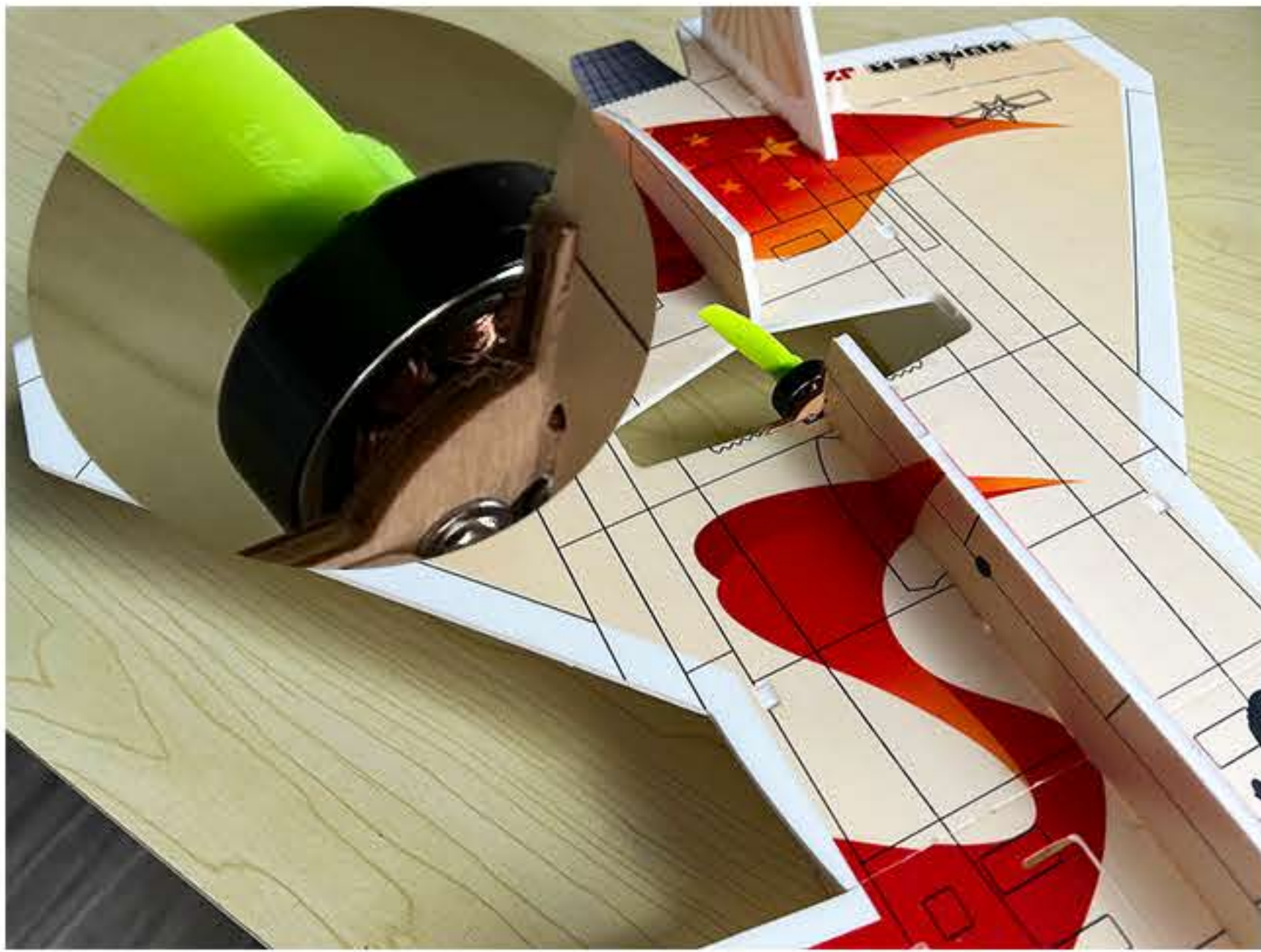


4. Install the propeller

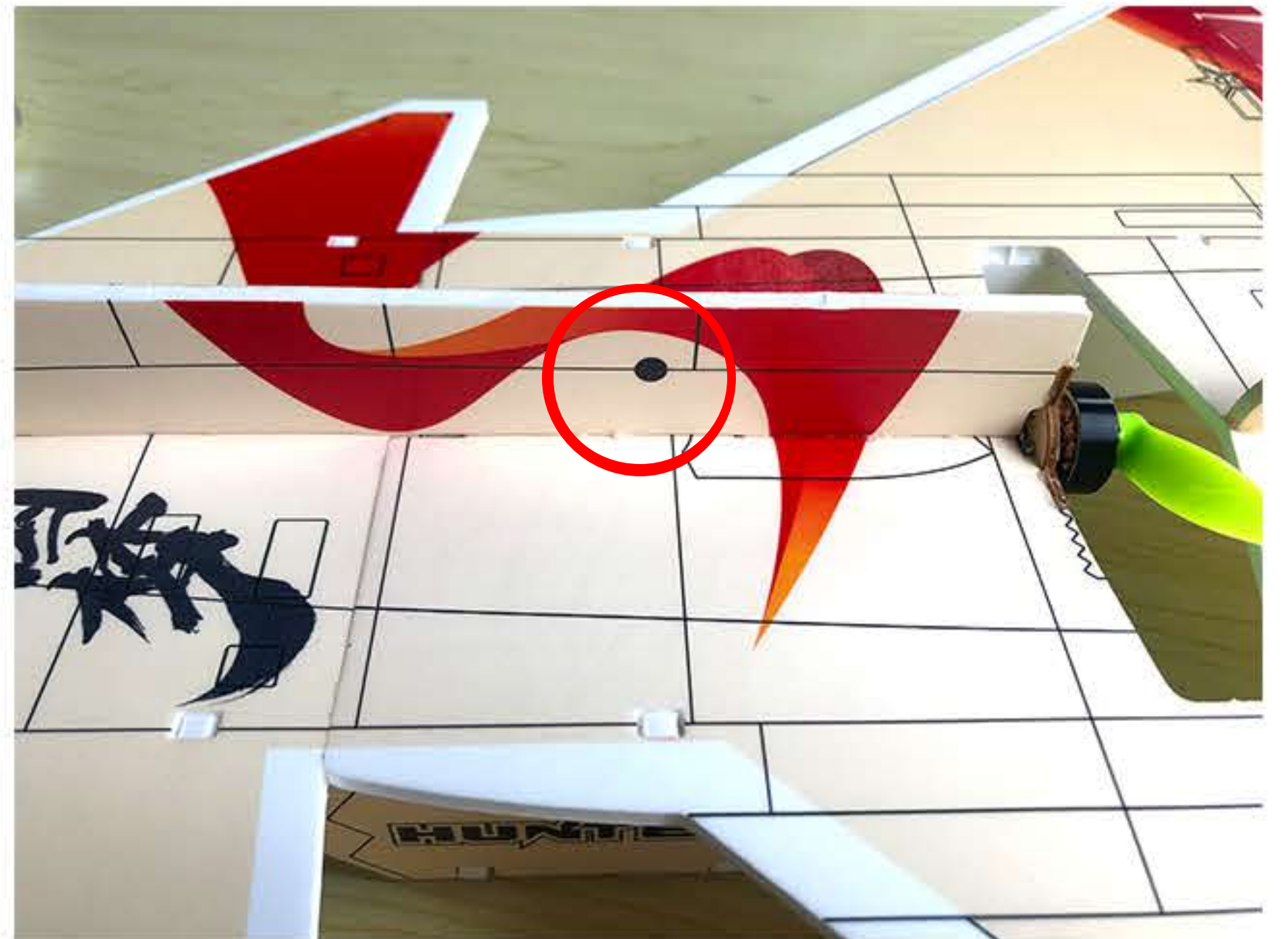
Propeller need to insert the bolt before screw, attention to the install direction, propeller with character side install forward align to the aircraft nose. (Note: Must power off when install the propeller)



character side install forward
align to the aircraft nose



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



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. Power on the aircraft, CH5 unlock, 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.

Recommend fly with over 60% throttle

Notes:

This assembly guide is applicable to all HUNTER series of the aircraft body. If you are buying Kit

Or PNP version, please make corresponding adjustment according to your electronic equipment.

Further the aircraft body or electronic upgrade or need to change, its the same assembly method, please refer to the actual product received!

Best wishes:

Happy to fly