

# ***XBIRD FPV***

USER MANUAL 2022. 3



# Please read through the manual before installation and flying

This manual as introductions to user on how to building this RC plane.  
Please visit the [www. finwinghobby. com](http://www.finwinghobby.com) official website for more introductions.

## Warning:

1. This model airplane is not a toy, not recommended for children under 14 years old,
2. Be cautious and prepared while flying this plane as a range of issues could lead to a crash including the environment/weather, speed, pilot error, improper building/testing, interference or other component failures.
3. Flying field: Choose an adequate flying space at least 100 meters long/wide and in an unpopulated and non-built up area for safe flying. This includes avoiding flying over cities or other populated areas.
4. Please don't fly this model airplane in bad weather including rainy and/or windy environments.
5. Remember to unplug your flight/video battery when not in use to avoid any interference to others who might be on similar channels.
6. Please remember switch on the transmitter first before connecting the battery, and disconnect the battery first before switching off your transmitter.
7. Keep away from the propeller when the Airplane is powered as it can be dangerous and could lead to injury. Keep the powered plane away from children at all times to avoid any accidents or injury.

Will post the information on time to weixin and facebok  
once we have new airplane for sales or big discount promotions

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**Finwinghobby WeiChat**

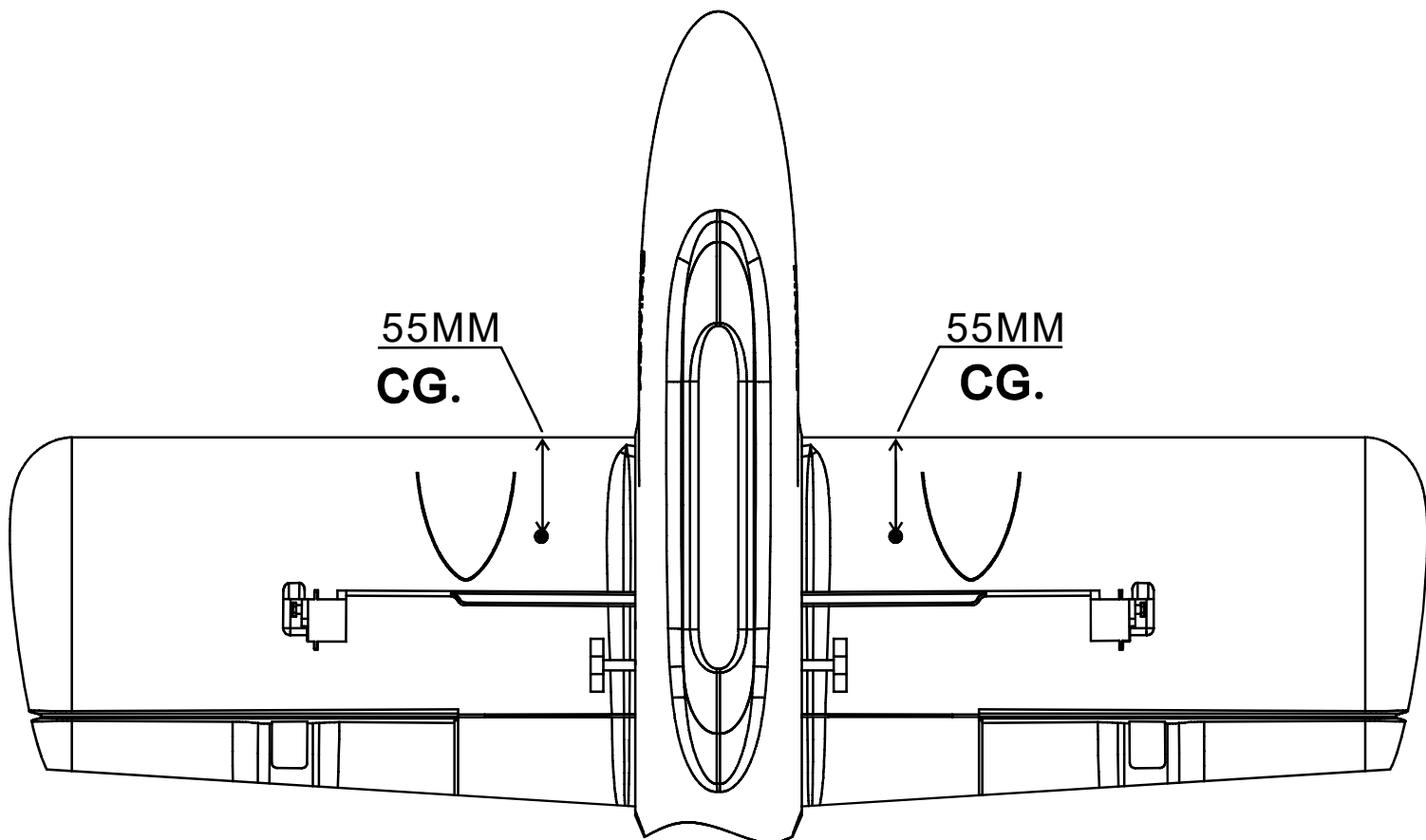


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# CG.



**CG.** Is 55MM from the leading edge

You can move it forward to 52MM if noted tail heavy  
But Maiden please use 55MM !

# What Parts in the bag

M3\*30  
Secure  
tail Motor



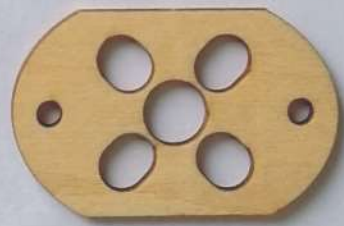
Screws to  
secure Servo horn



For Tail Motor



Servo Horn

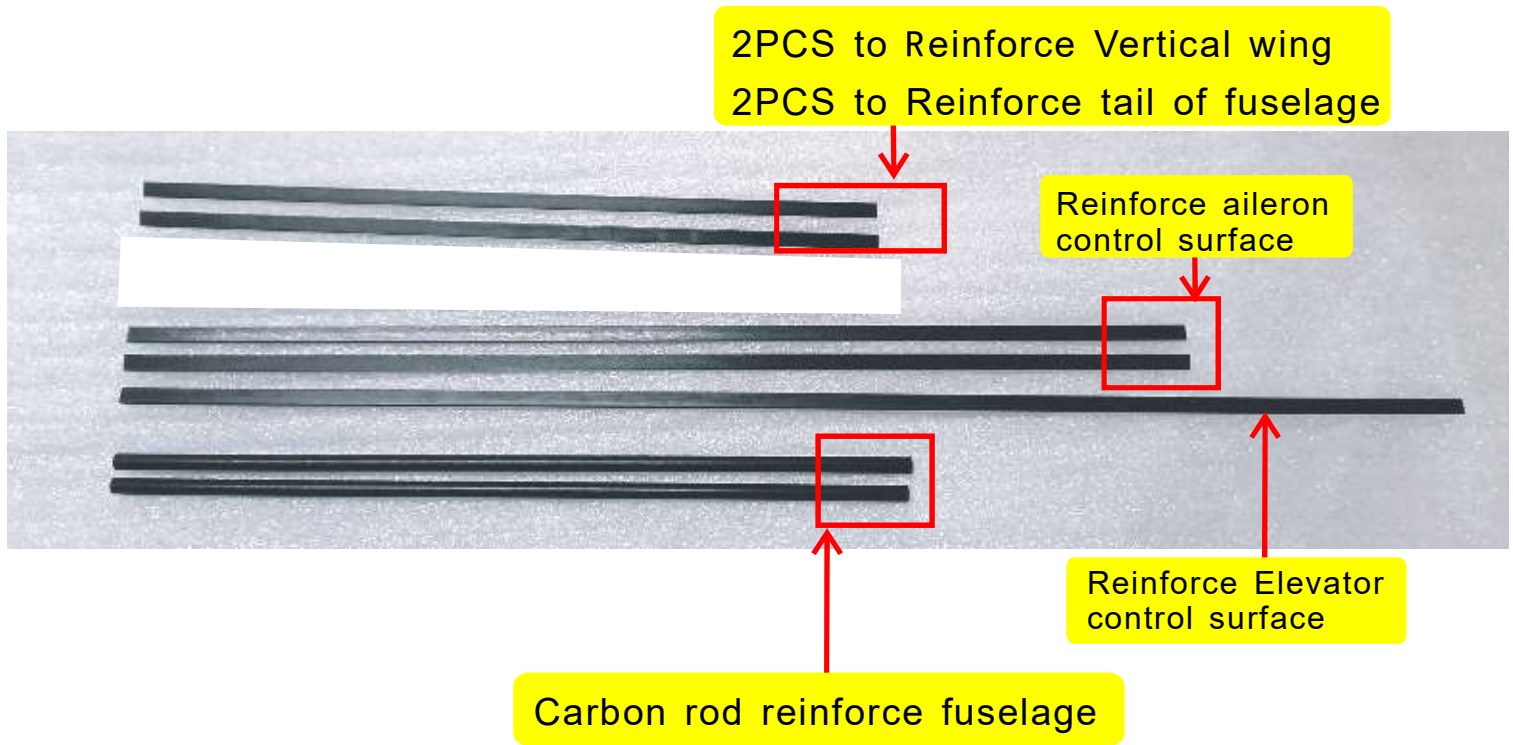


Fuselage  
inside



Spare plywood

# Airframe building



As below is step by step on how to glue parts

## 1 Install reinforcement carbon rib

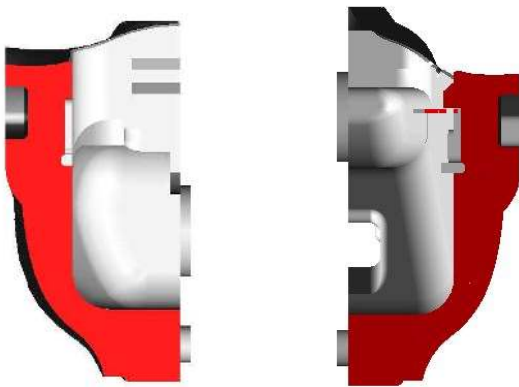
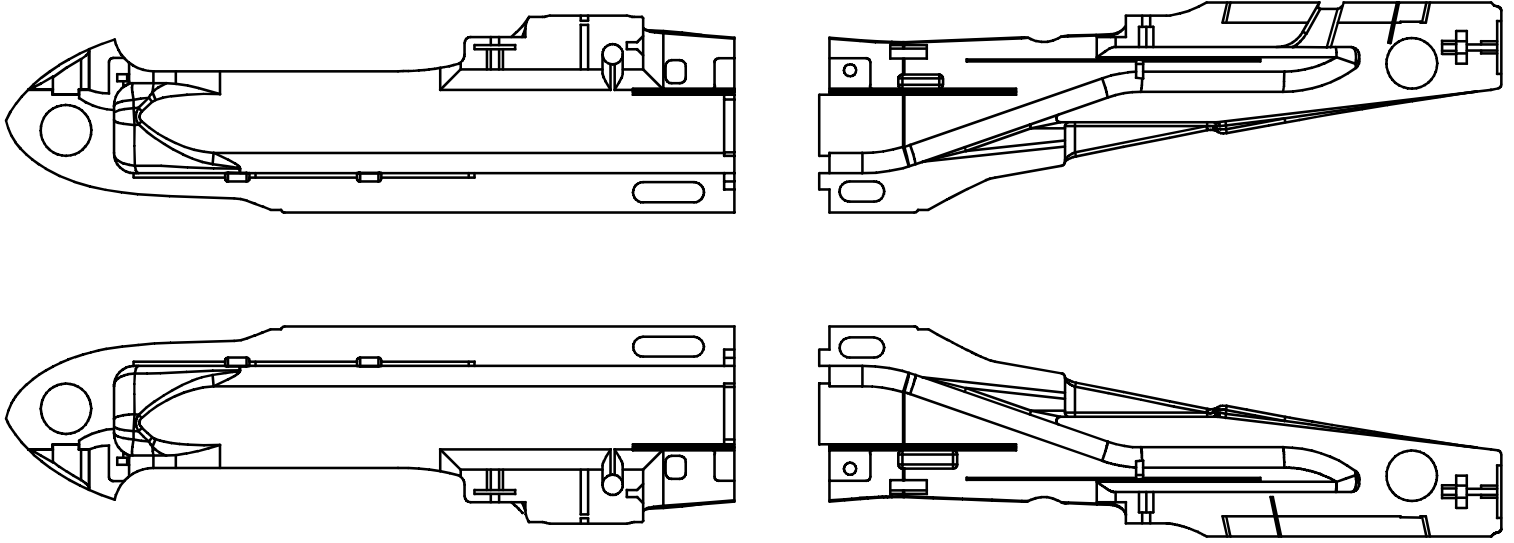


# Airframe building

2

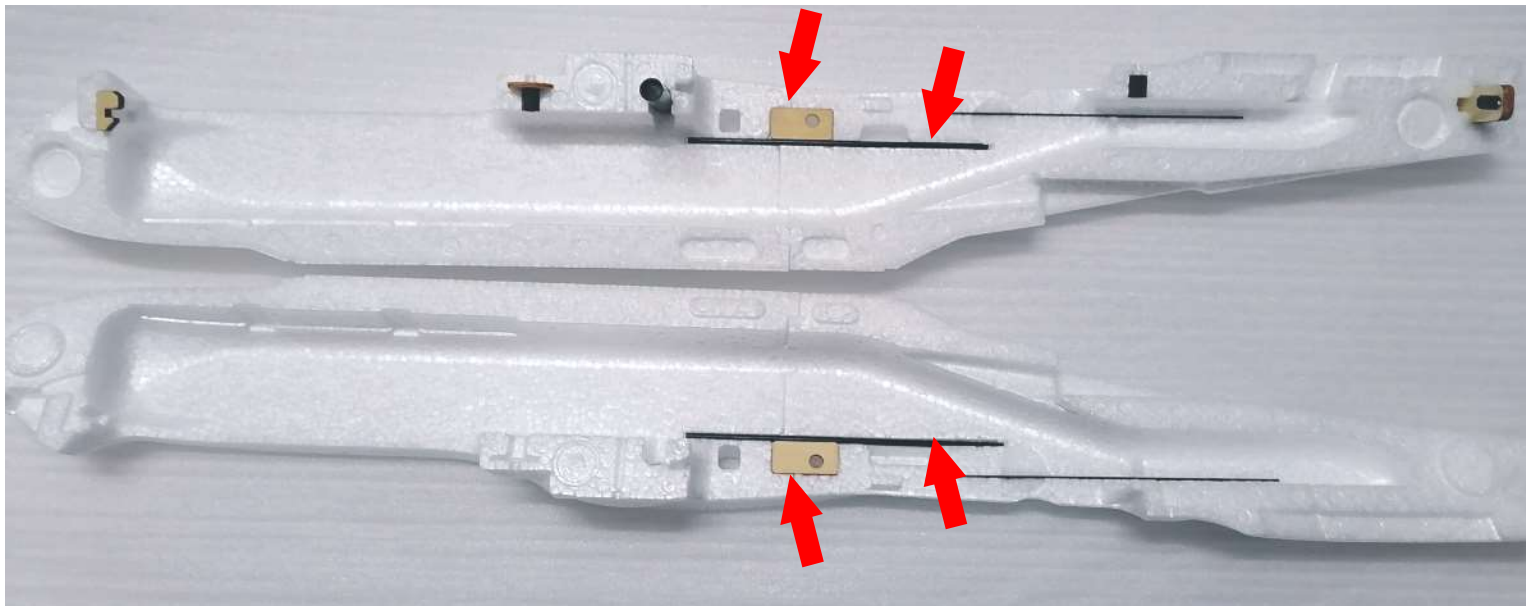
## Glue to join front and rear fuselage

Someone may wonder to know why not came out as a whole one?  
Answer is you are no long available to get the plane if came out as a whole part  
because of expensive shipping cost and packing size restrictions



Glue to the red colored surface

Some parts can also be installed now



# Airframe building

**3**

3-1 install carbon rib to reinforce vertical wing



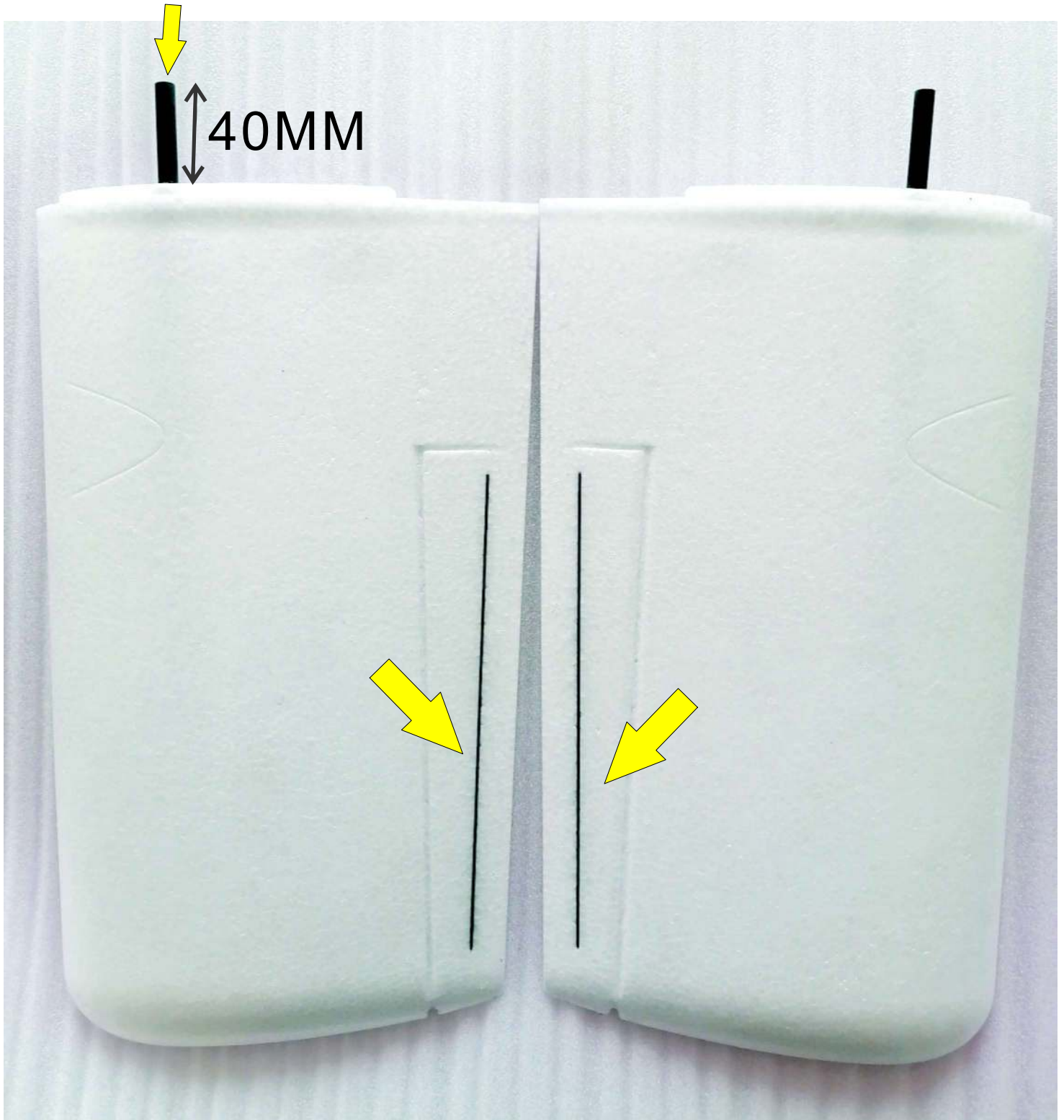
**2-2** install carbon rib to reinforce Elevator surface



# Airframe building

## 3-3 Main-wings

Main-wing Carbon Rod was pre-glued, please skip over except US User  
US Users have to install it themself because of packing size restrictions  
by shipping company, attention: just a little glue is fine, don't put too much glue



install carbon rib to reinforce Aileron surface

# Airframe building

**4** Glue to join horizontal wing and vertical wing

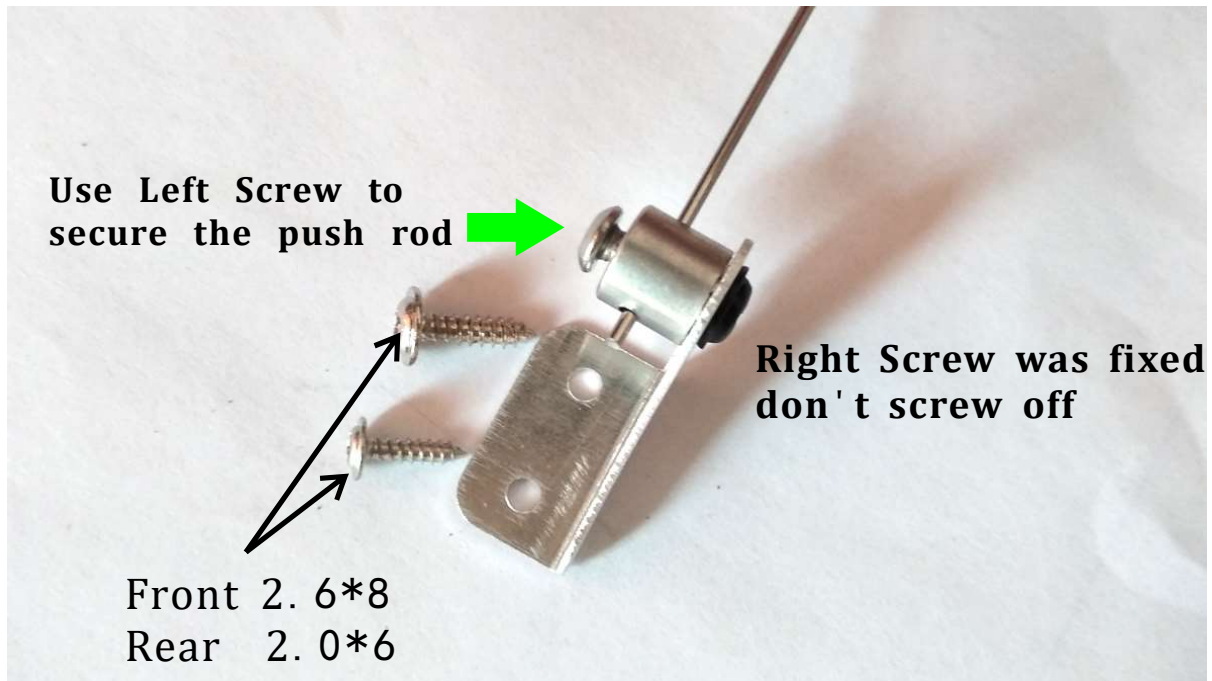


Stay drying at least 4 hours  
after glued two parts



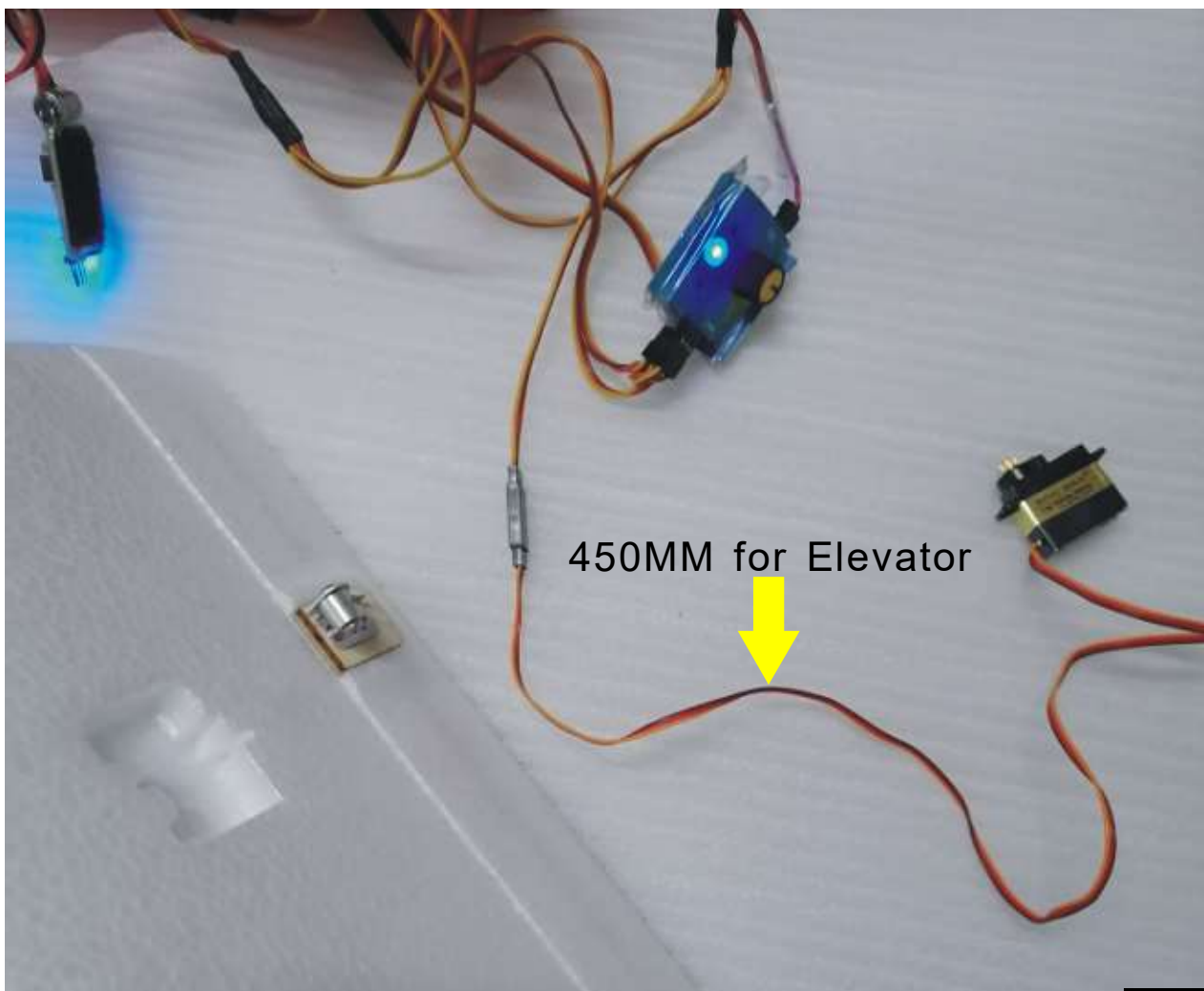
# Airframe building

## 5 Servo horn & servos

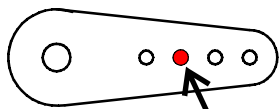
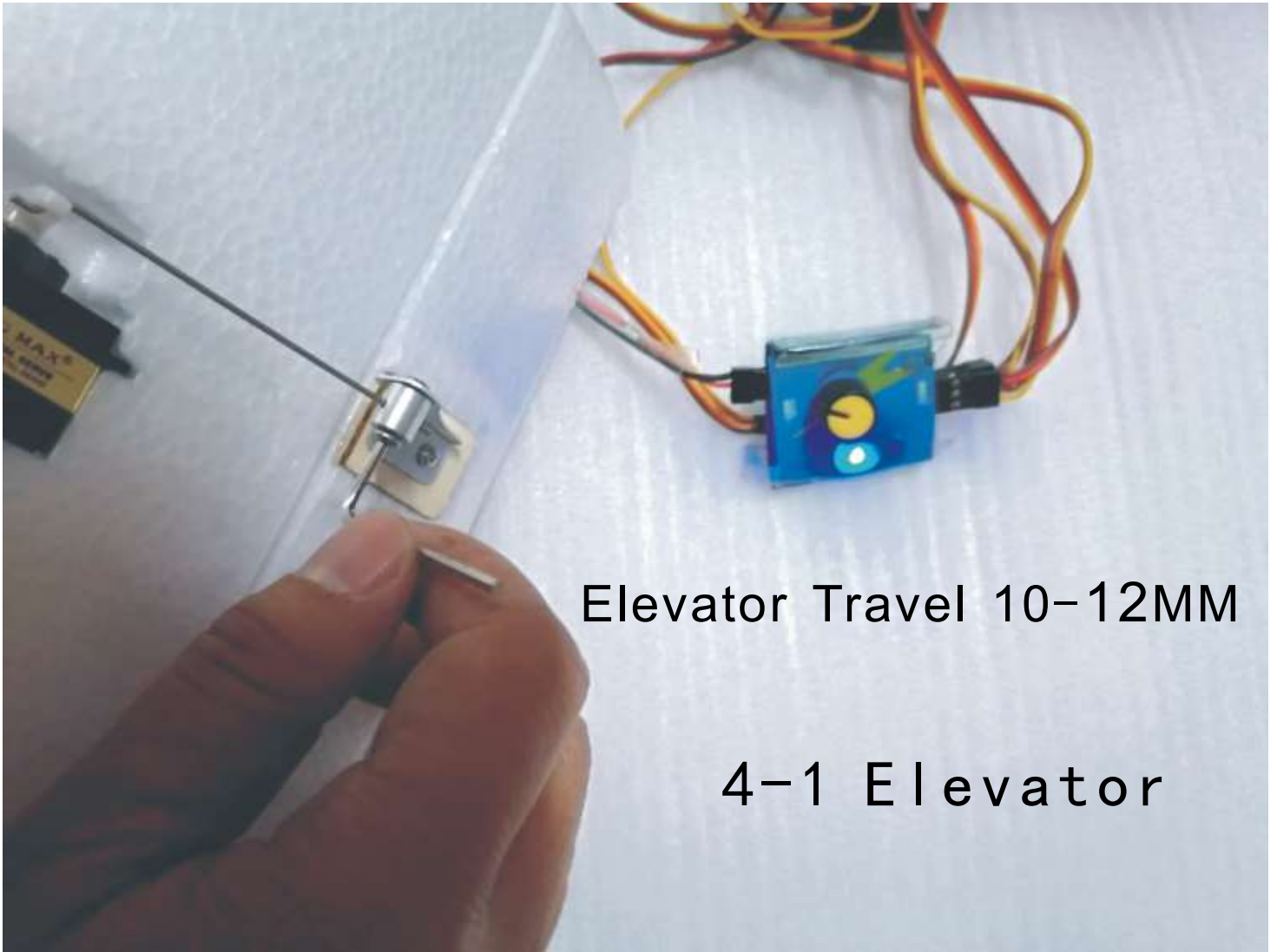


### 5-1 Elevator

Neutralize Servo first then install servo arm  
If Stock PNP Electronic combo will include 1PCS  
Customized 450MM Wire servo



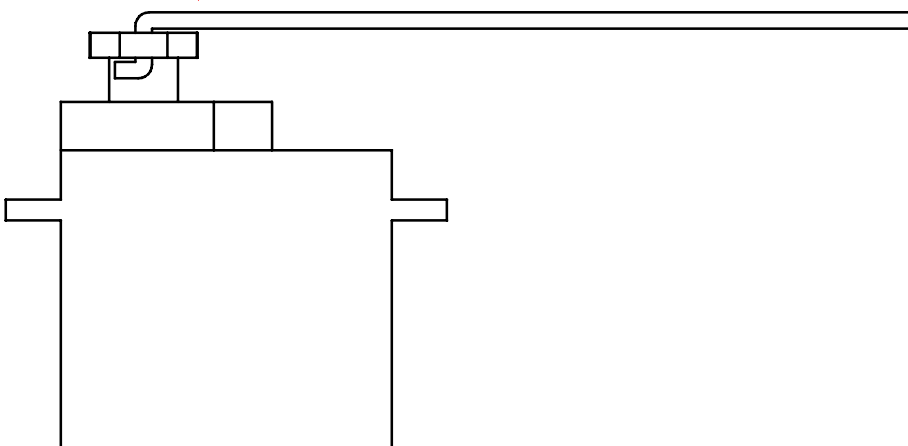
# Airframe building



Pull rod recommend to use this hole



Reminder: Pull rod direction

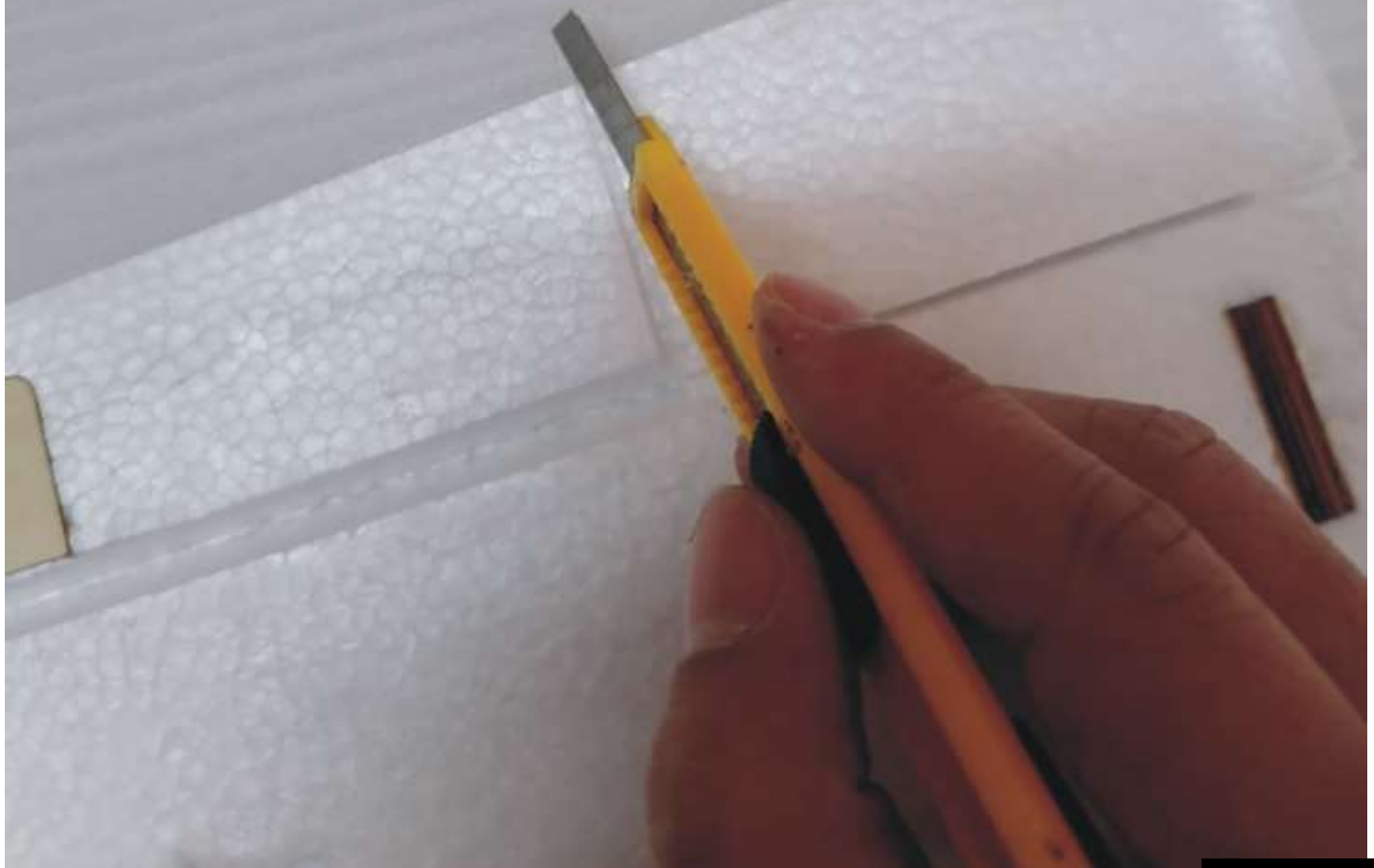


# Airframe building

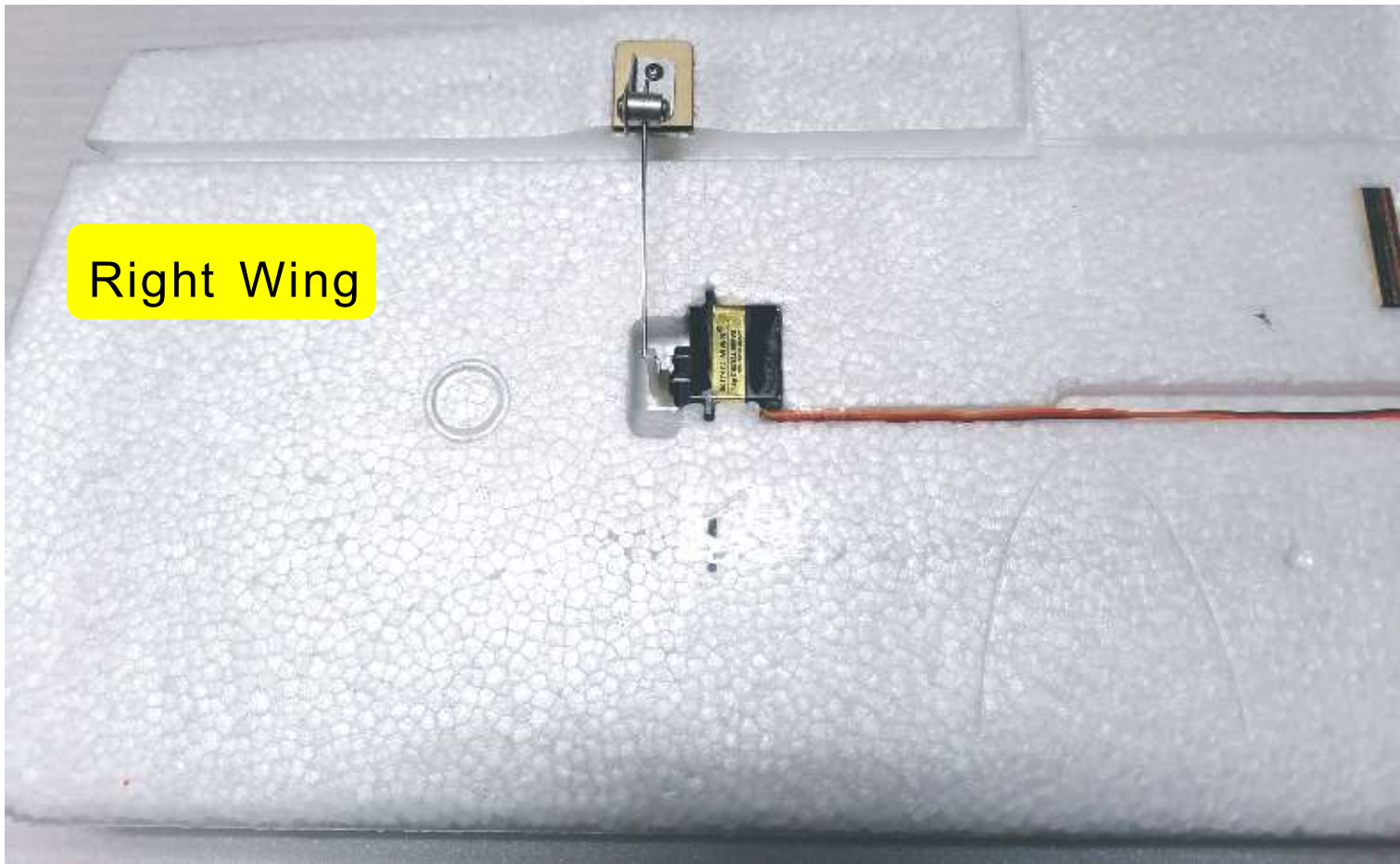
## 5-2 Aileron



Cut off the side connection of the control surface until feeling the control surface is rotatable freely  
Ailerons all do the same



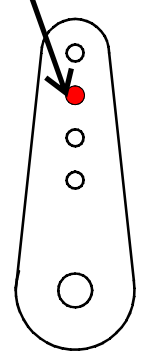
# Airframe building



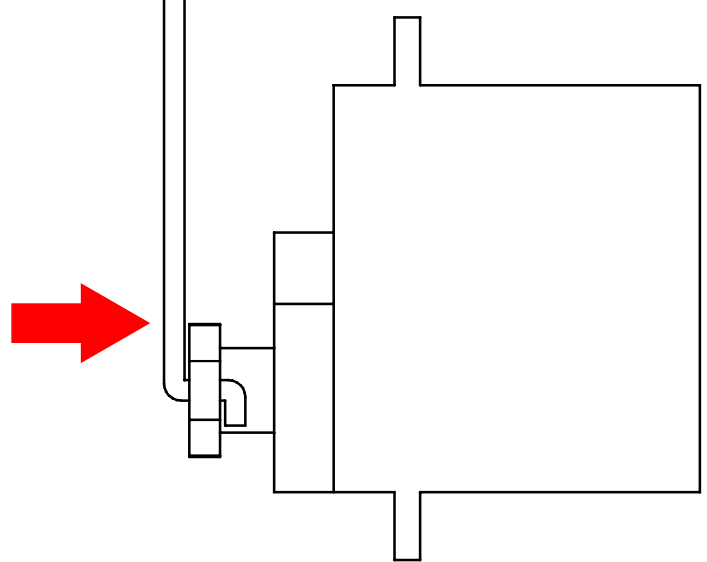
Right Wing

Elevator Travel 10-15MM

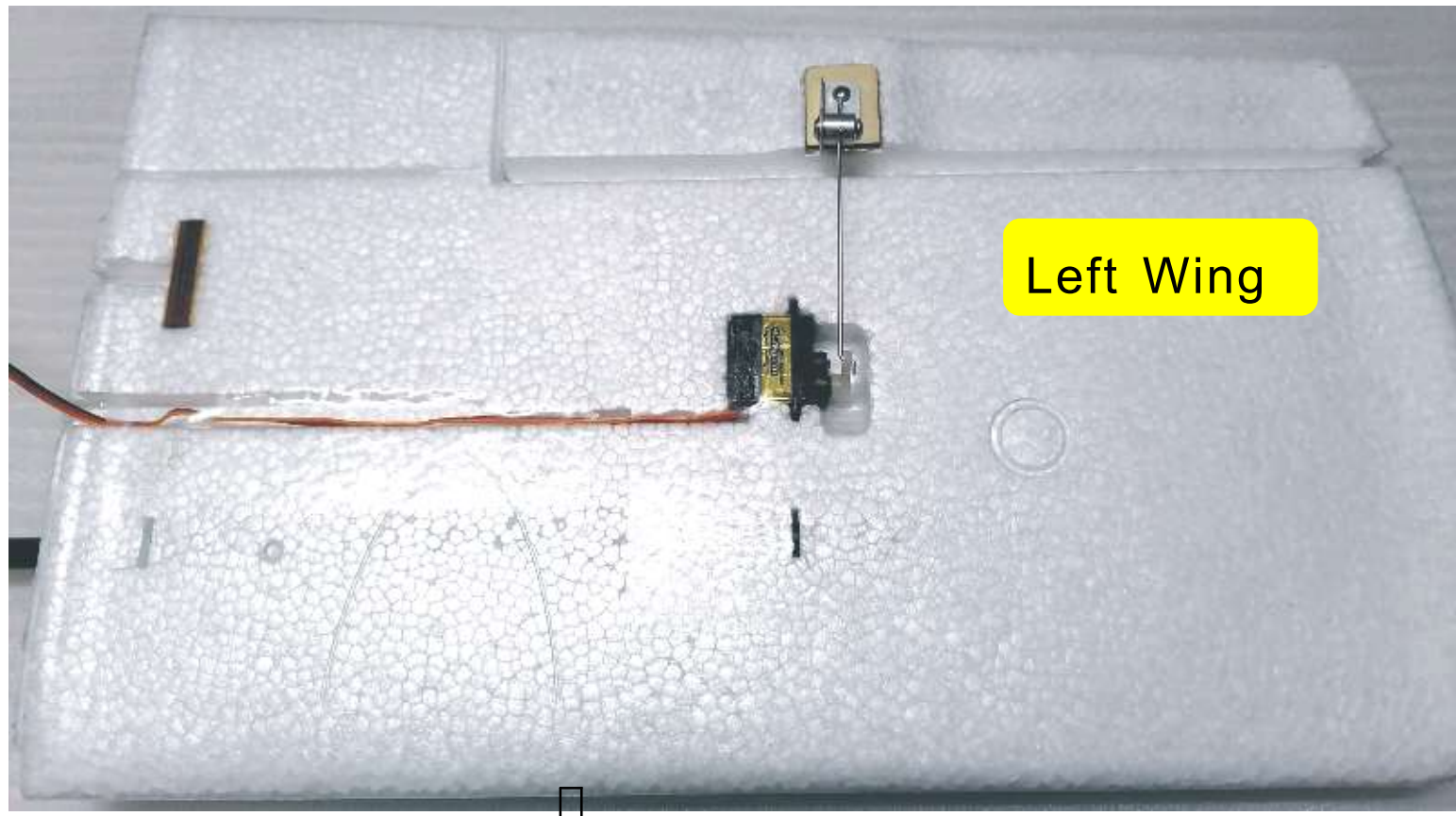
Pull rod recommend to use this hole



**Reminder:**  
Pull rod direction



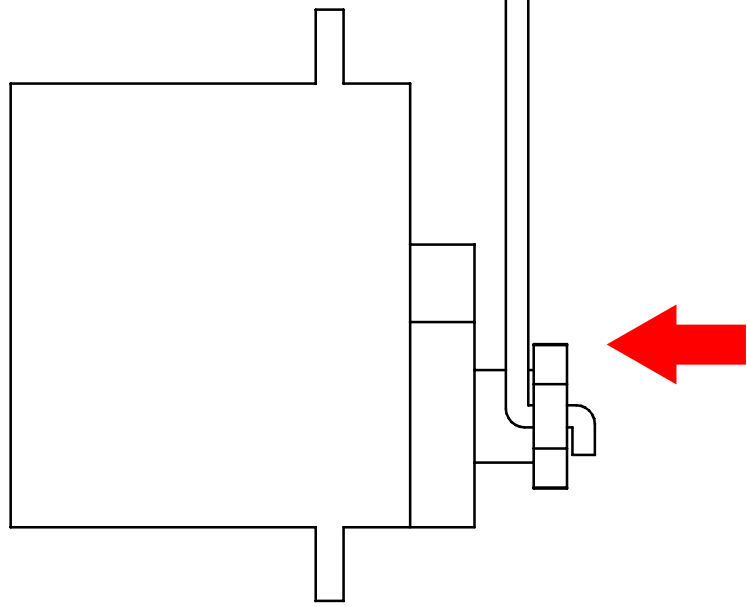
# Airframe building



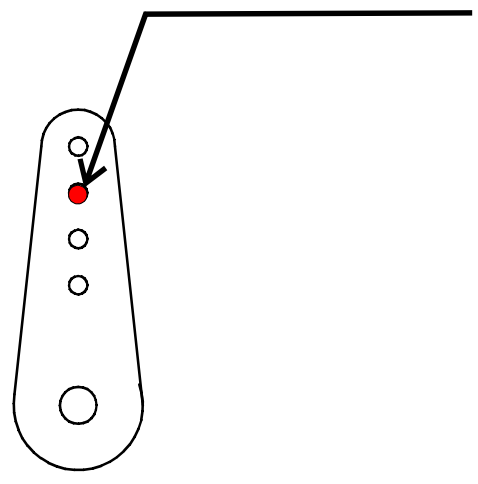
Left Wing

Elevator Travel 10-15MM

**Reminder:**  
Pull rod direction



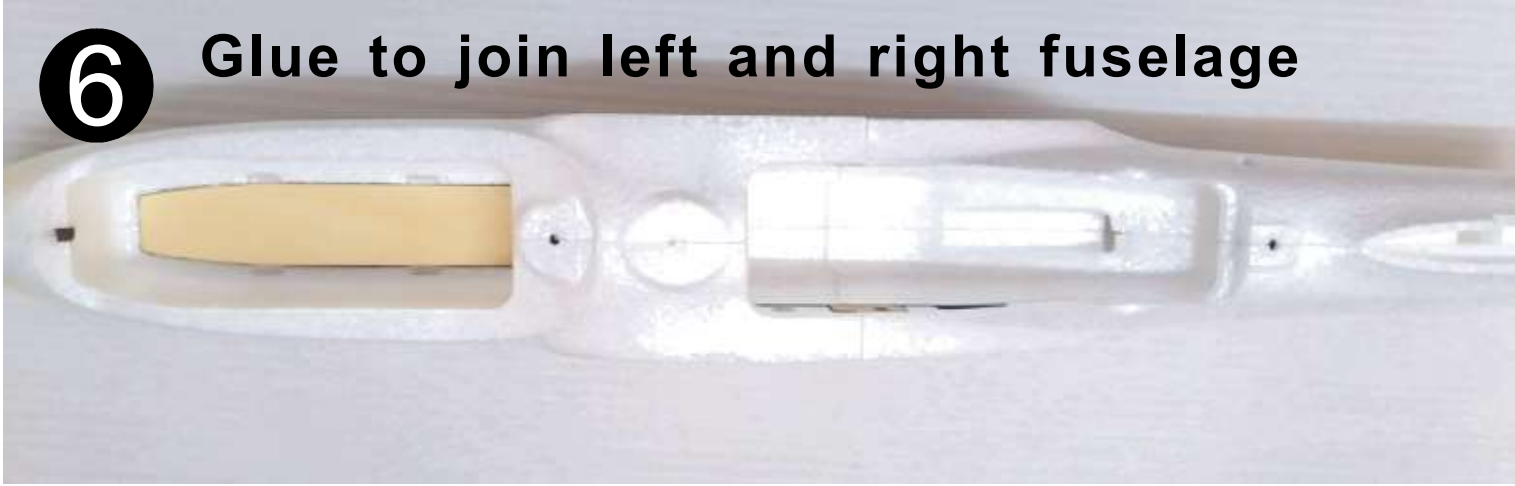
Pull rod recommend to use this hole



# Airframe building

**6**

Glue to join left and right fuselage



Belly protector



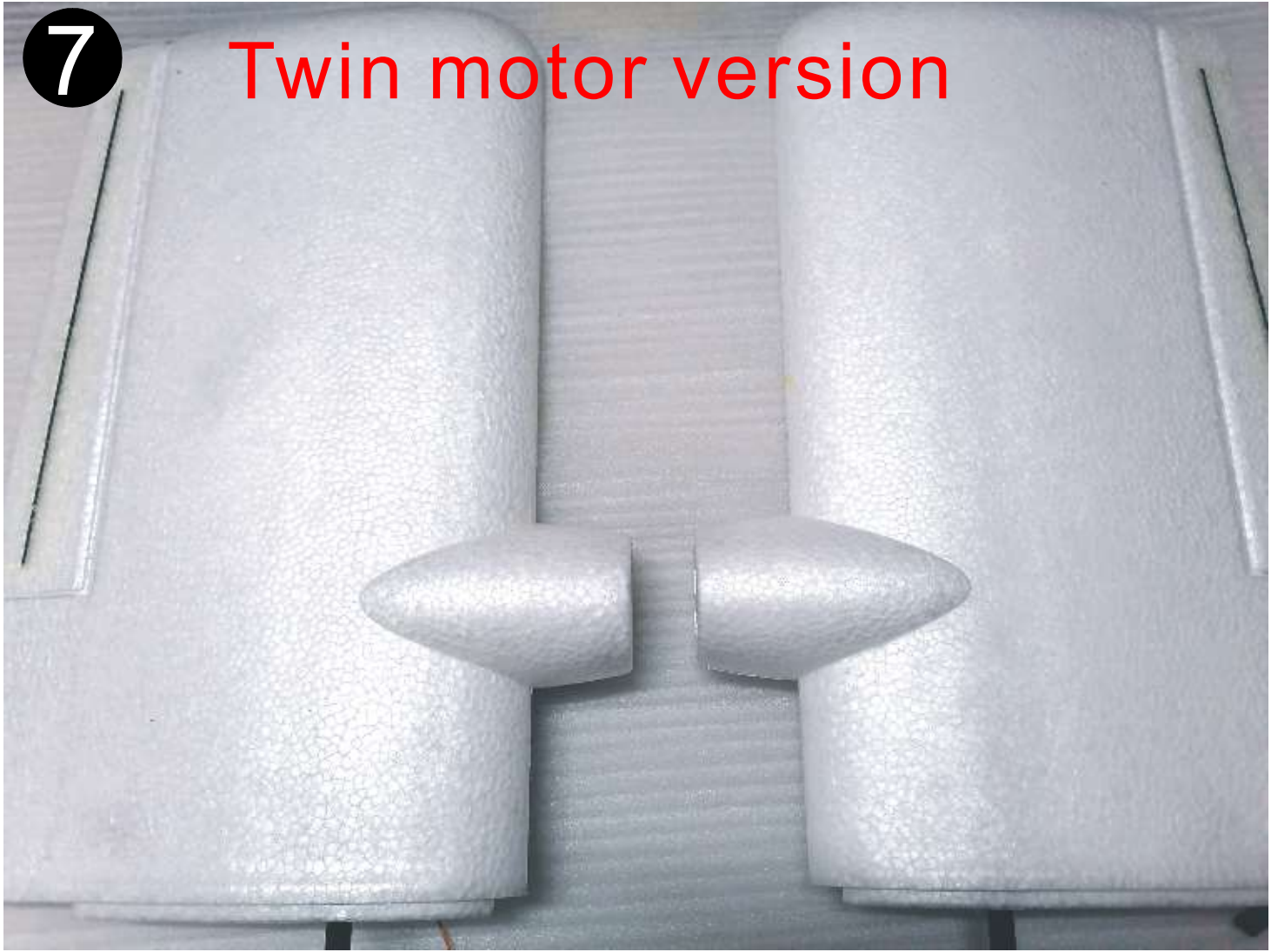
Put a little glue to install the belly protector  
Reminder: don't put too much glue  
in order to replace it easily in future

**Stay drying at least 2 hours  
before insalling vertical wing**

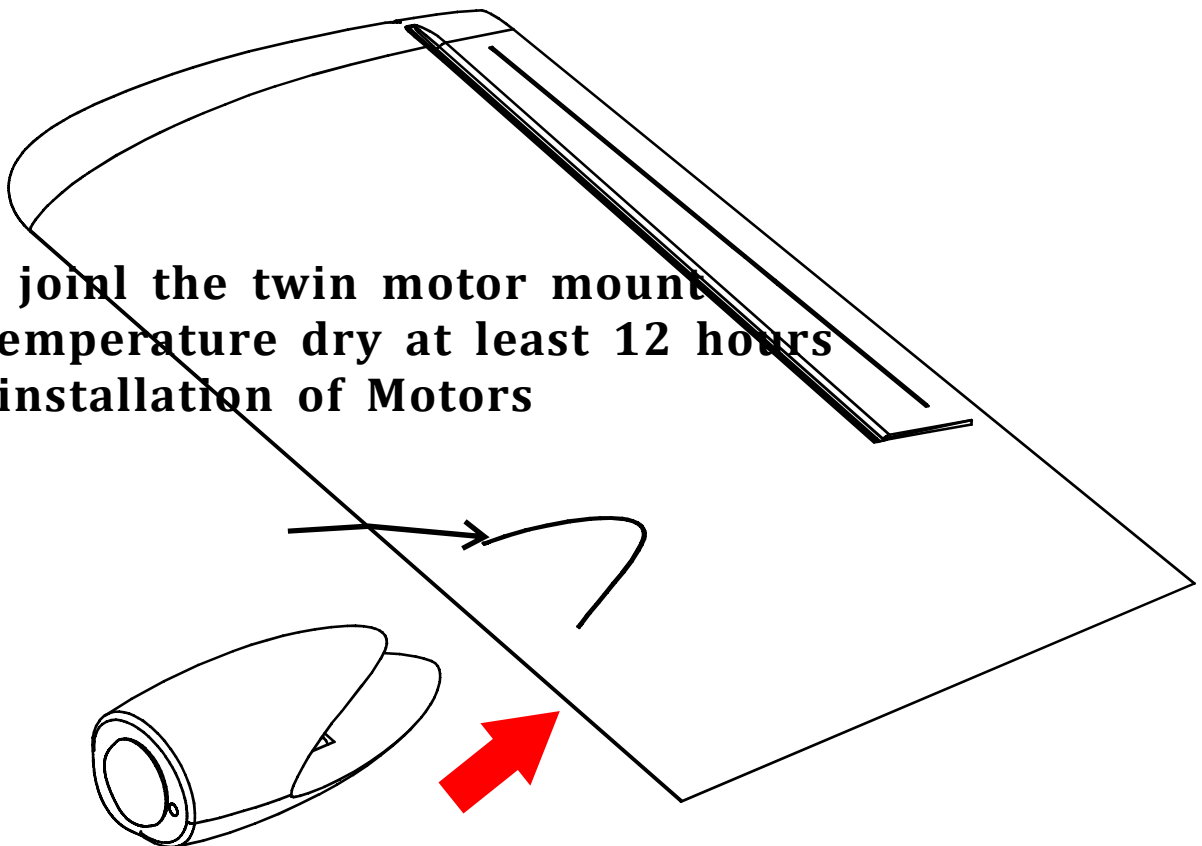
# Airframe building

7

Twin motor version

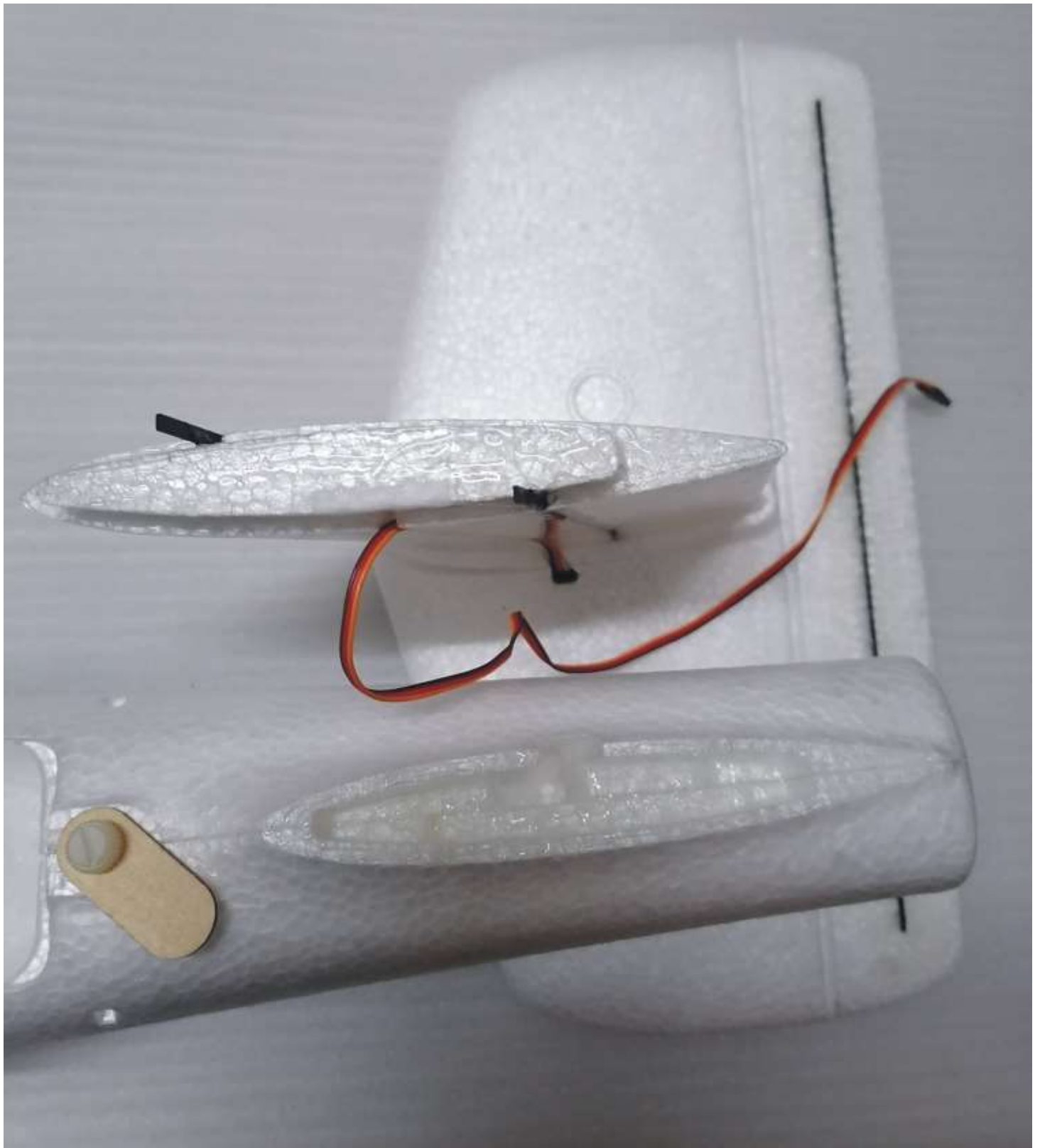


Glue to join the twin motor mount  
Room temperature dry at least 12 hours  
before installation of Motors



# Airframe building

## ⑧ Glue to install vertical wing

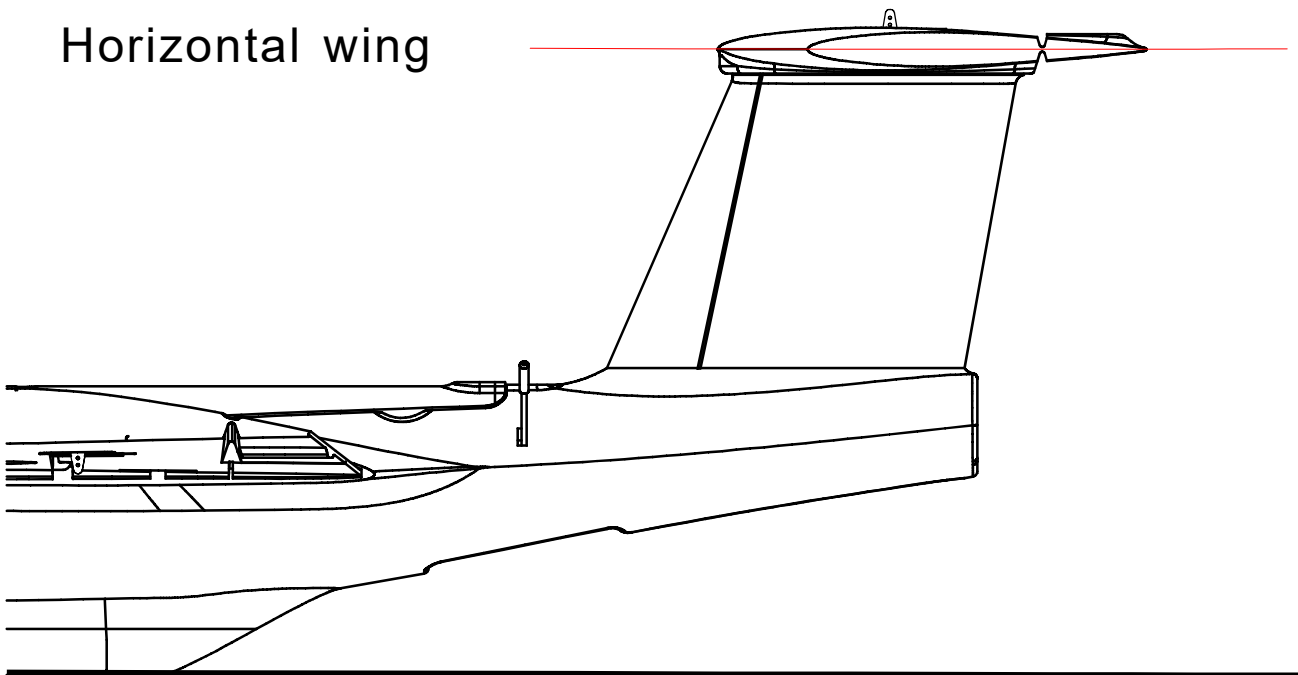


# Airframe building

Recommend stay drying at least **12** hours



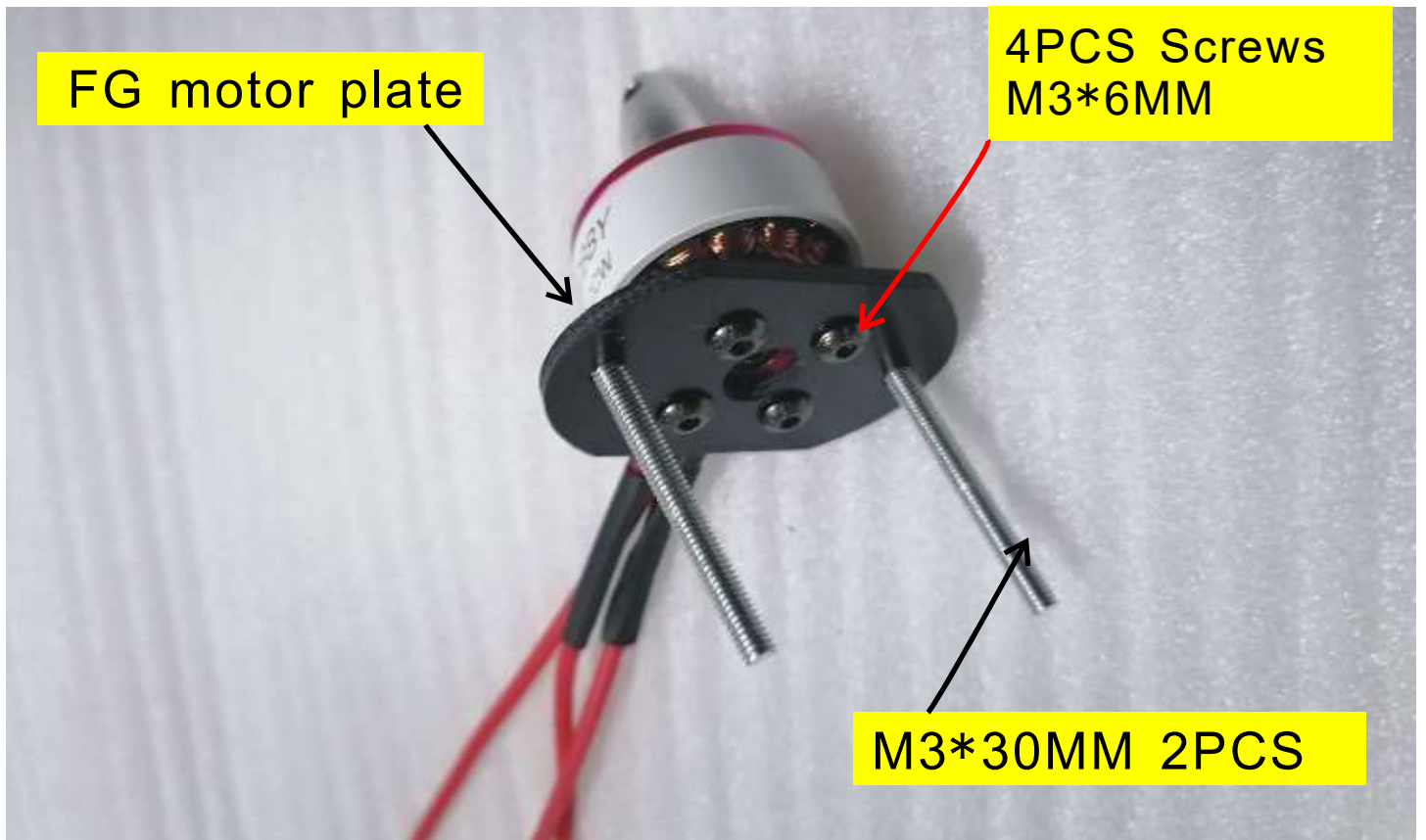
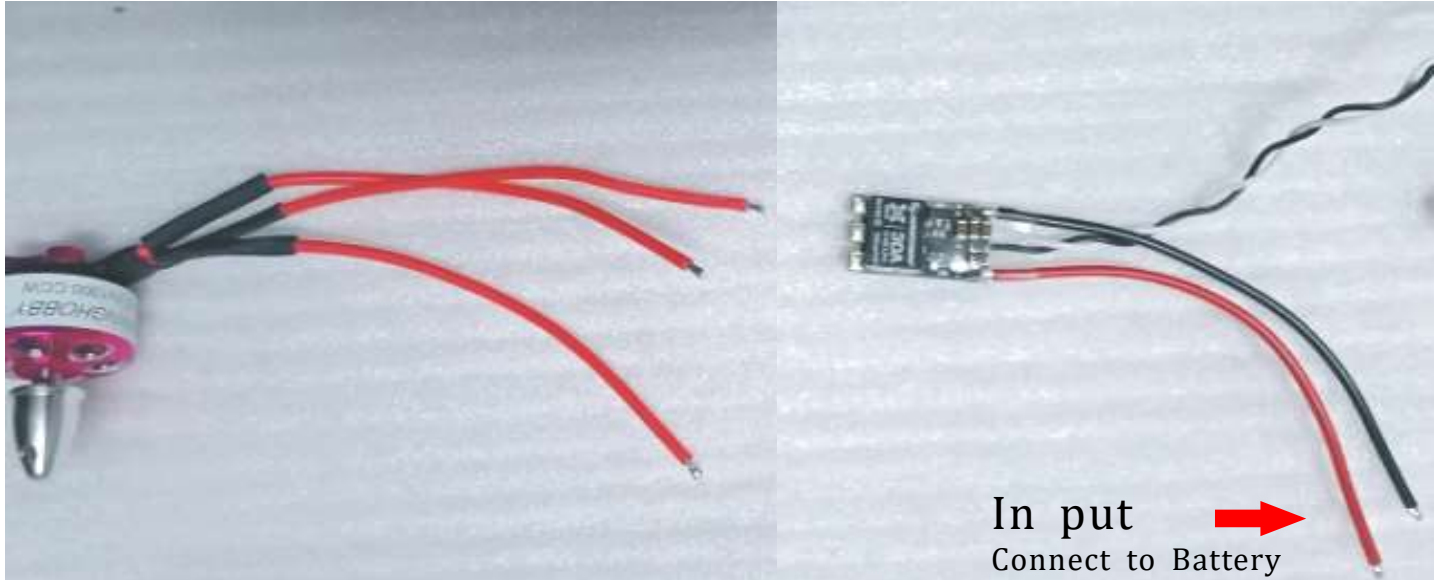
Horizontal wing



# Motor ESC

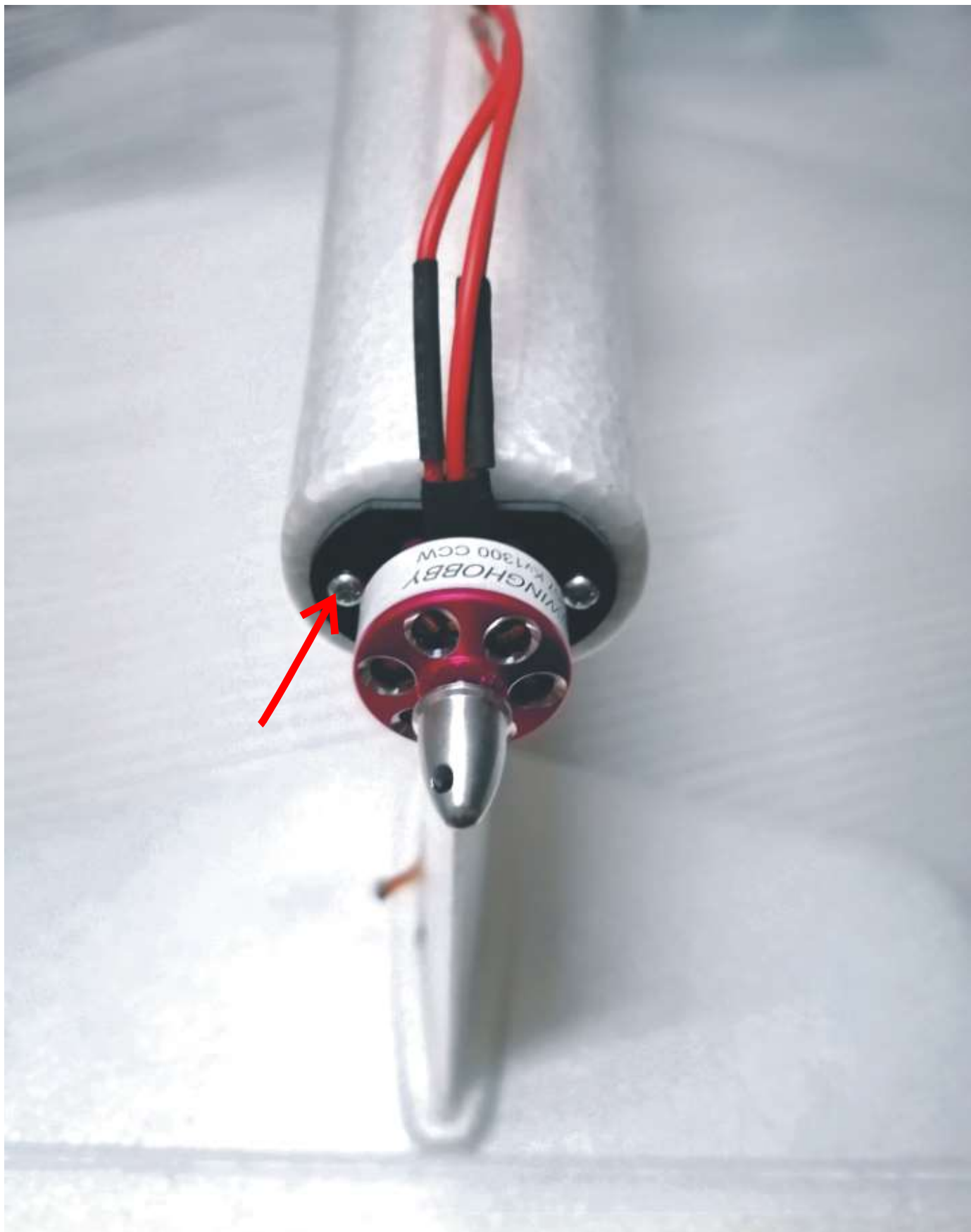
## Single tail pusher

As below show is the stock motor and ESC



# Motor ESC

Motor CW, Propeller CCW  
or Motor CCW, Propeller CW

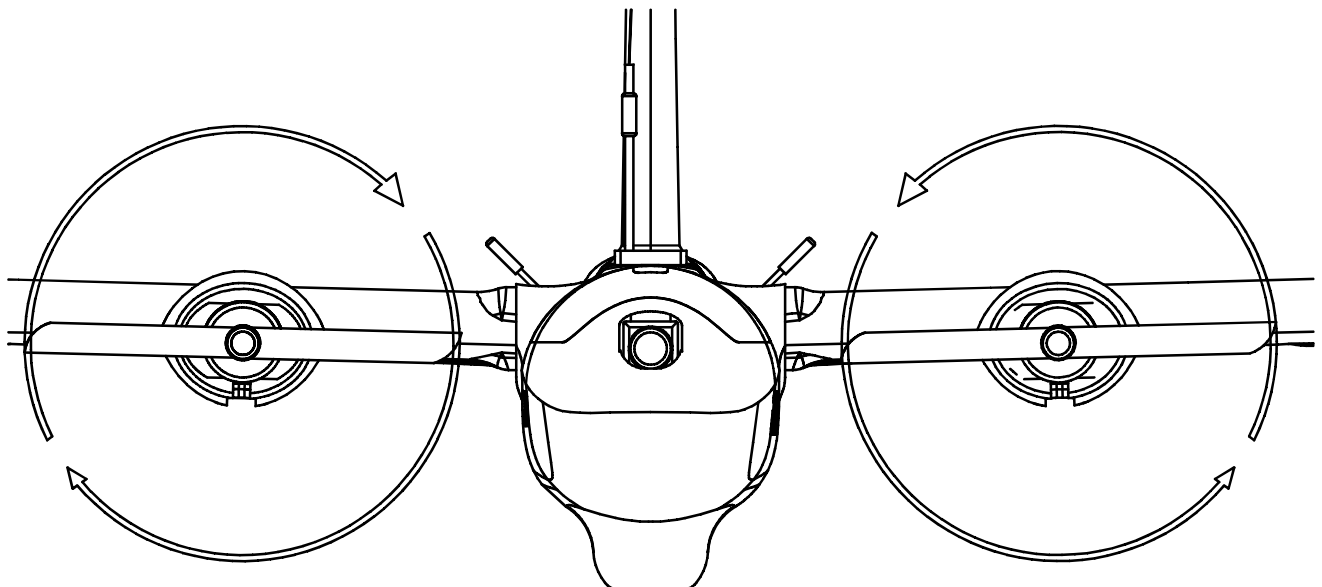


# Twin Motor & ESC

## Twin motor tractor



## Propeller rotation direction



# Tail fuselage cover locker

Lock

Find out a screw M4\*16

Unlock

# FPV Gears

Reserved bay  
for GPS

You can also put GPS  
on top of the fuselage

Reserved Tunnel  
For antenna

# 机架安装

Reserved bay  
for FPV camera



# 相关设备安装和建议

