AlbaBird FPV

User Manual

Finwinghobby

Finwinghobby

WWW. FINWINGHOBBY. COM

FINWING TECHNOLOGY

PATENT OWNER: FINWINGHOBBY

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 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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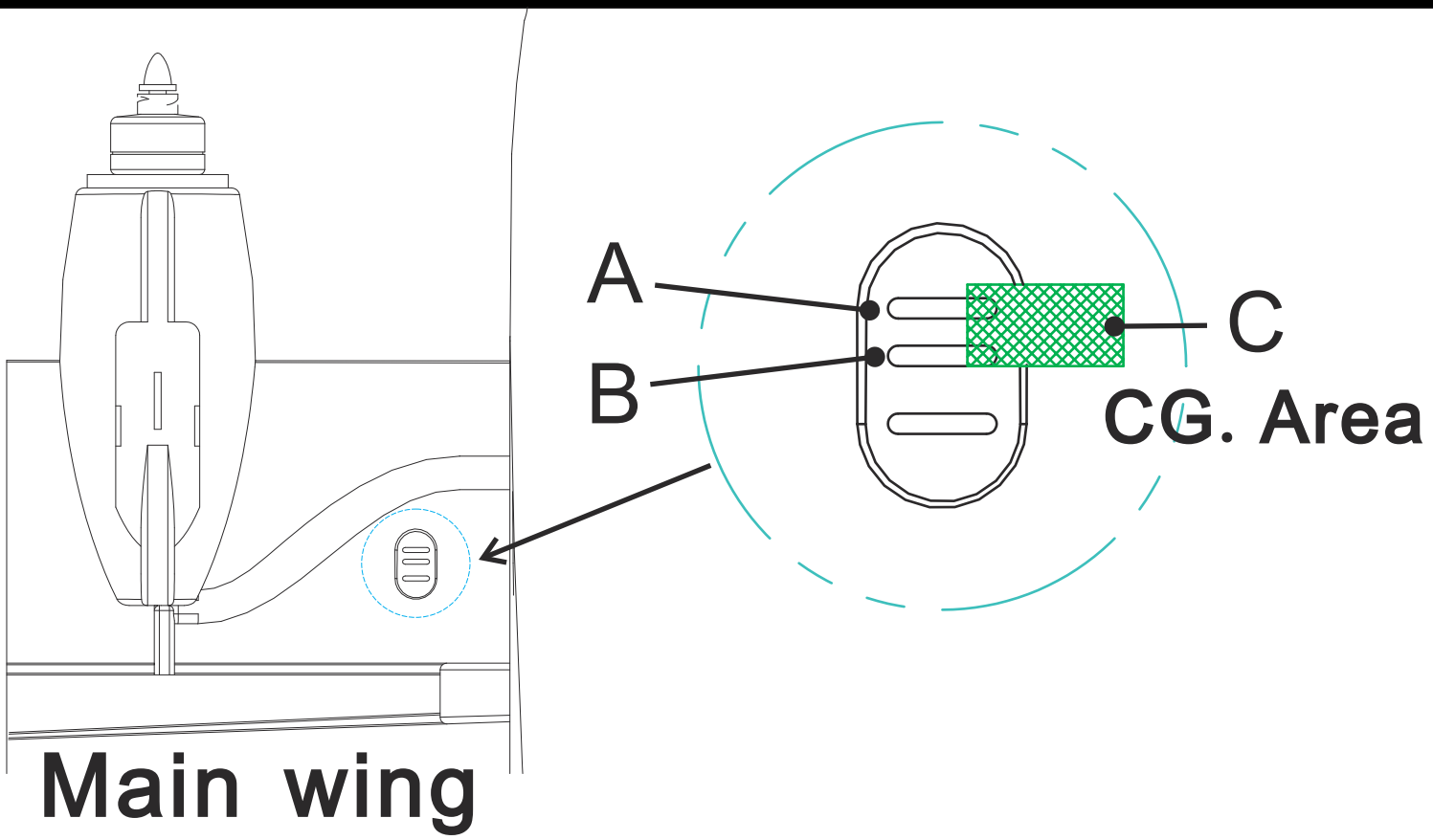
CG.



CG. Setting introductions:

Green area C
After lots of testing concluded CG. must be in the Green Area
Point B: For safety purpose recommend Maiden flight use Point B
Point A: if plane assemble correctly, we found that A is the best

Different people measuring differently by fingers
Moving CG. backward a little(3mm) if plane pitch down tendency
Moving CG. forward a little(3mm) if plane pitch up tendency
if still not good after CG. Adjustment, must checking horizontal wing and main-wing especial after crash happened!

Special Recommendations

We have solved potentional problems by new desgin and improving Mould making but what ever in case we still introduce this for your reference

In case nose heavy:

plane still nose heavy diving a lot even if CG. is at Point B

Solutions:

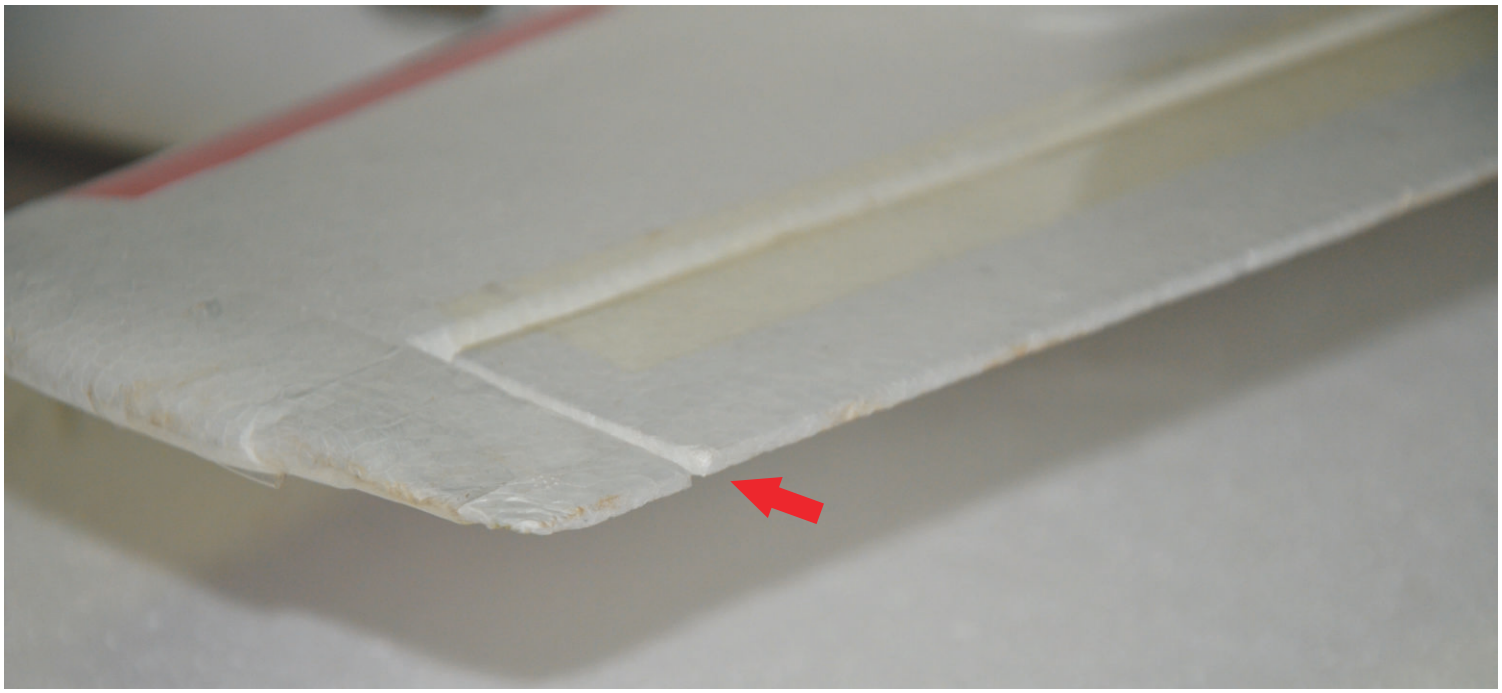
Elevator up approximately 1. 5MM travel as following picture CG. is still between A and B

What caused ?

Horizontal wing should be exactly horizontal but fuselage tail section has to be molded by two half, transportation may caused horizontal wing to be deformed or not drying properly after gluing etc.
All of these may caused horizontal wing picth up
a picth up horizontal wing definitely forced the plane nose down diving

But But if installing properly and horizontal wing not deformed this won't happened!

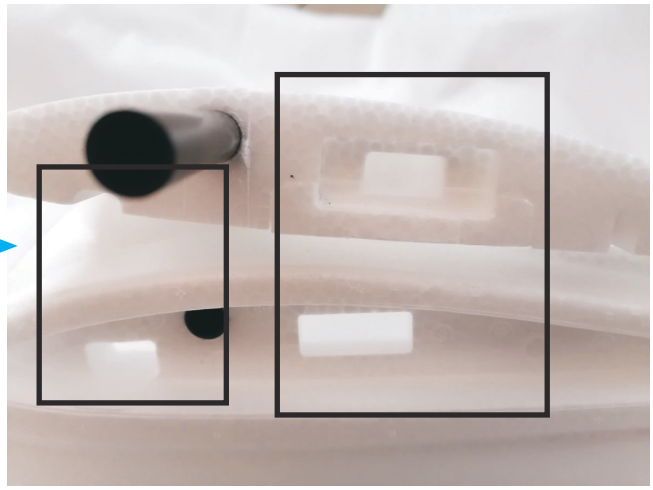
At last Reminder:
must let fuselage drying at least 12 hours after gluing together to avoid that problem



Introductions of Standard Kits

Previous 9pin version has been cancelled since 31. Dec. 2020

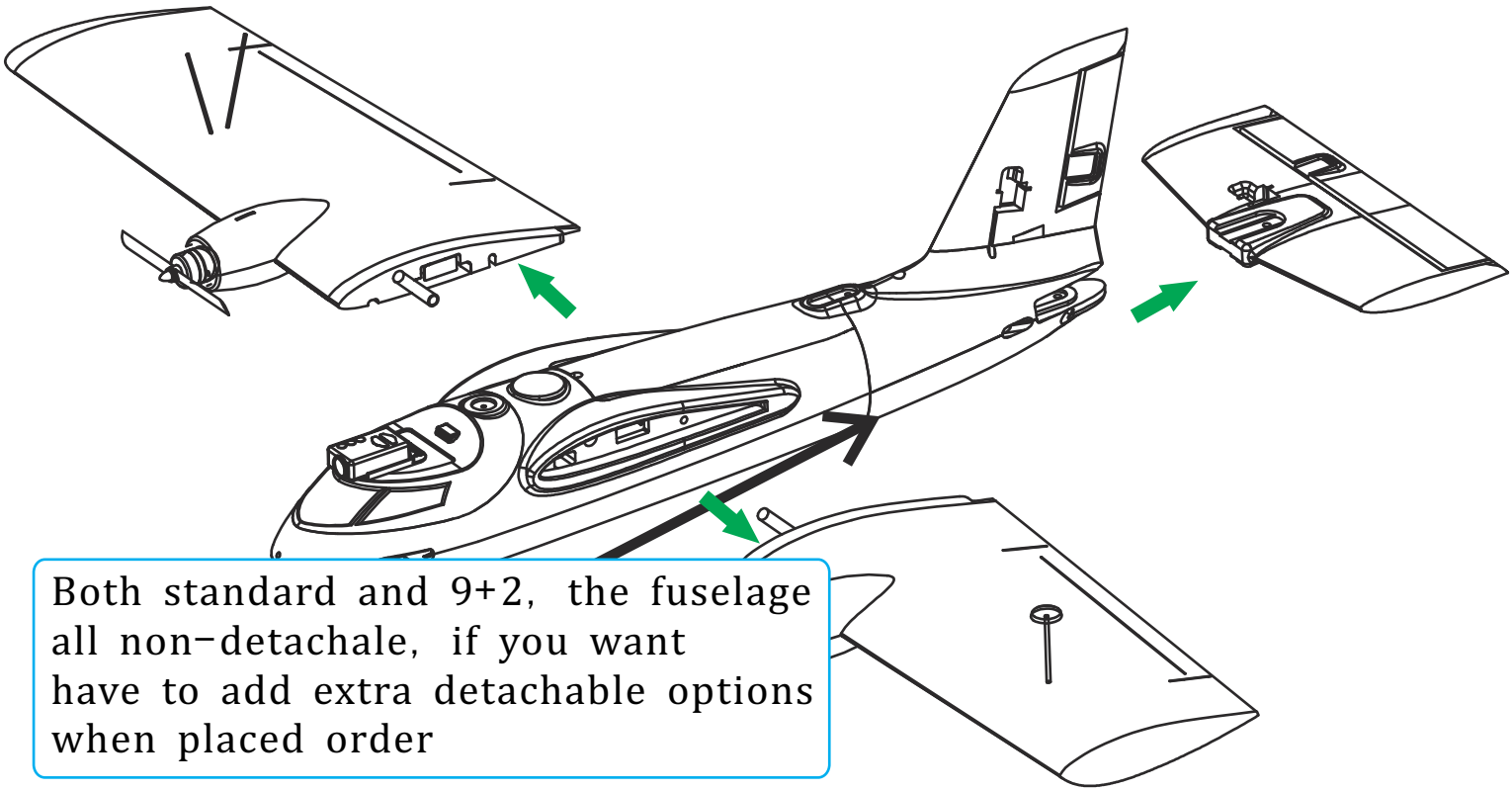
No plug&fly connector
Wires Tunnel
No playwood



Main-wing and Horizontal wing all detachable no matter standard version or 9+2 version
but please be noted detachable is not equal to plug&fly without wires

What's the difference?

Standard kits building as traditional do, wire go through tunnel directly
advantage is easy building
disadvantage is have to connect lots of wire before fly
but this is a good options if you don't want to break down main-wing,
9+2 version, you can solder ESC, Servo, others device's wires to 9+2 connector first,
disadvantage is have to cost more time building
advantage is no need to connect wire before flying, Plug and fly



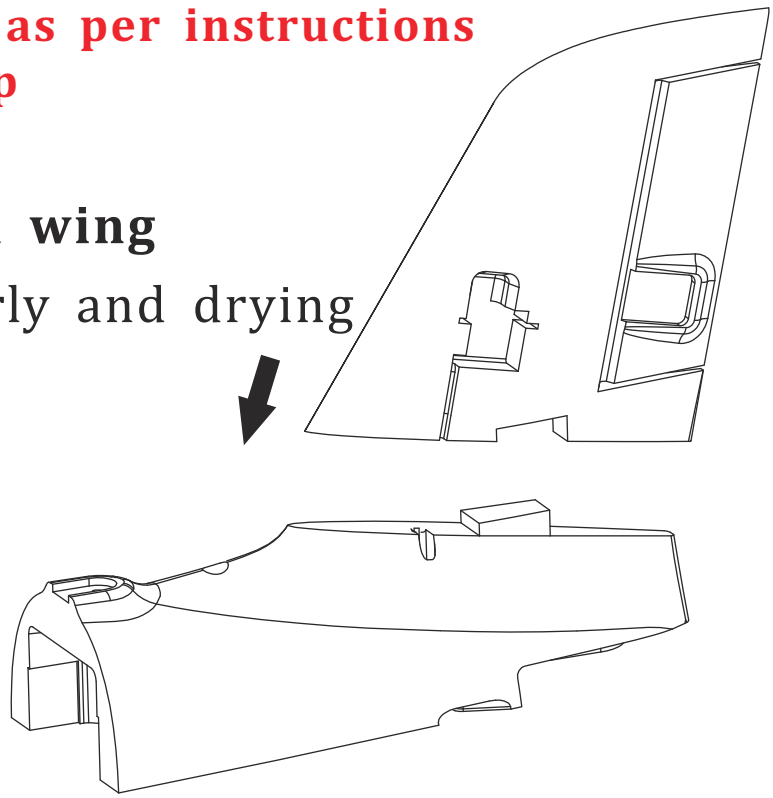
Both standard and 9+2, the fuselage all non-detachale, if you want have to add extra detachable options when placed order

Airframe Building

Pleae do to building as per instructions as below step by step

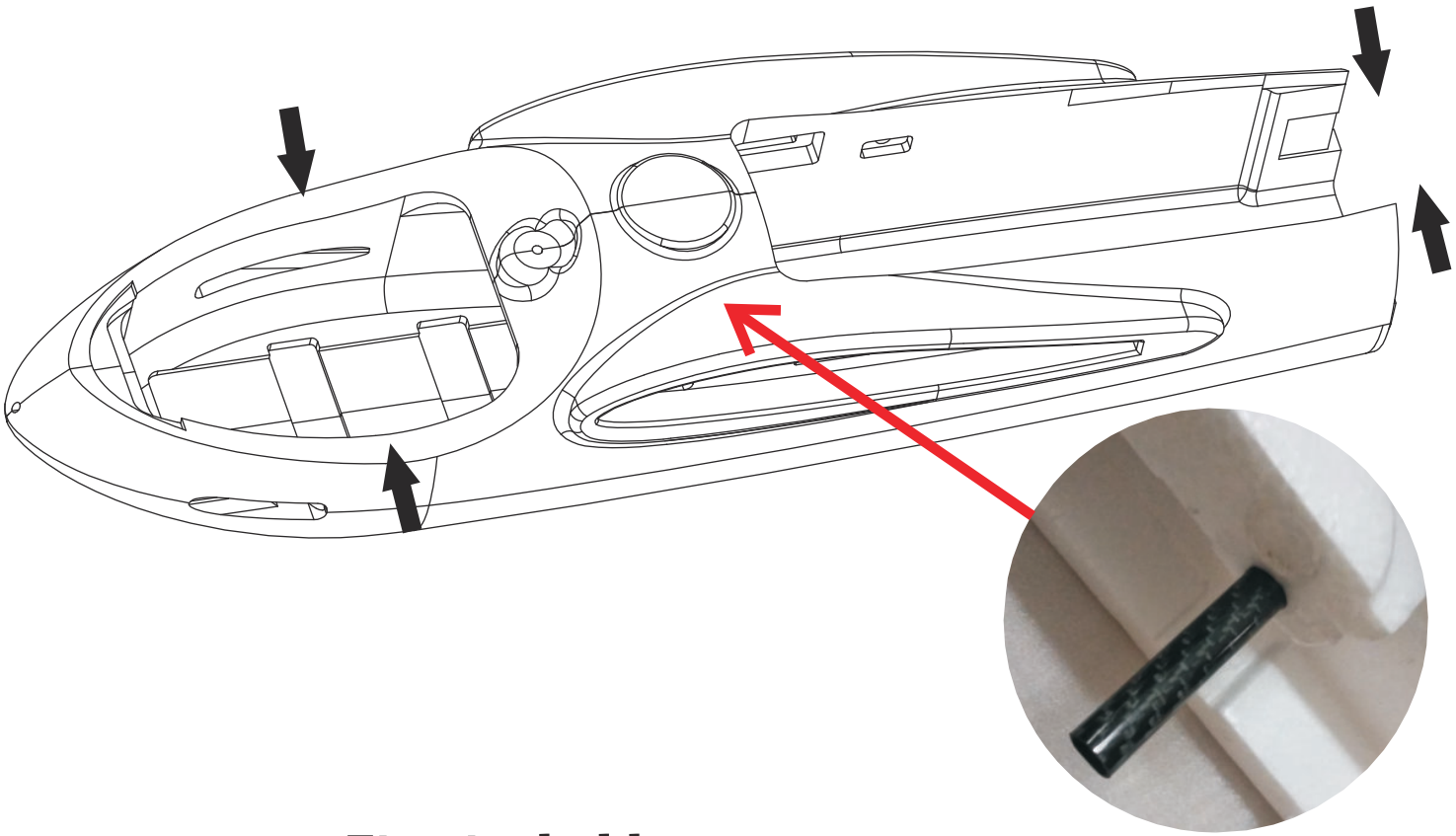
1 Glue vertical wing

Install properly and drying



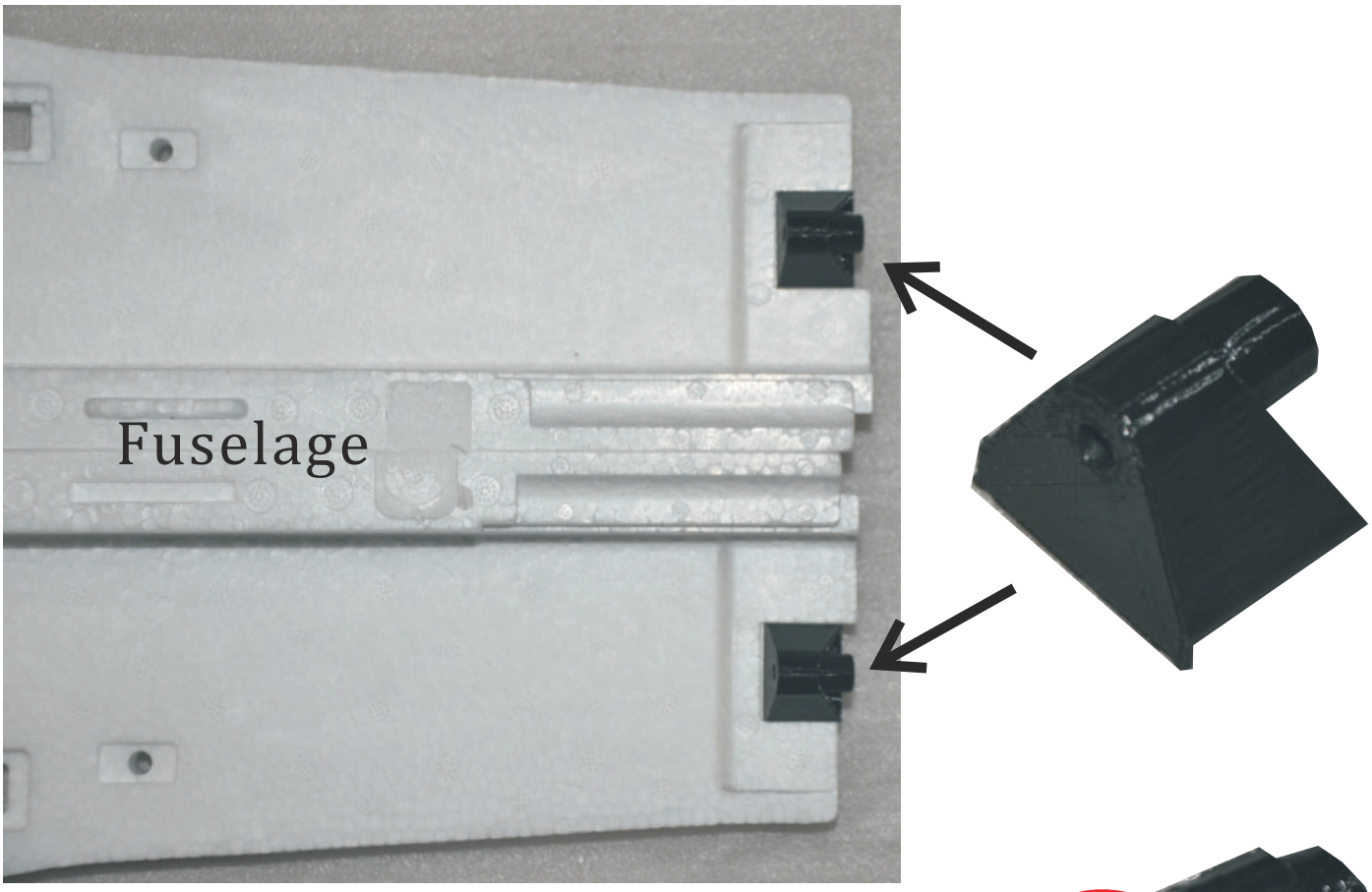
2 Glue Fuselage

Note: Don't install wings and other devices until drying at least 12 hours

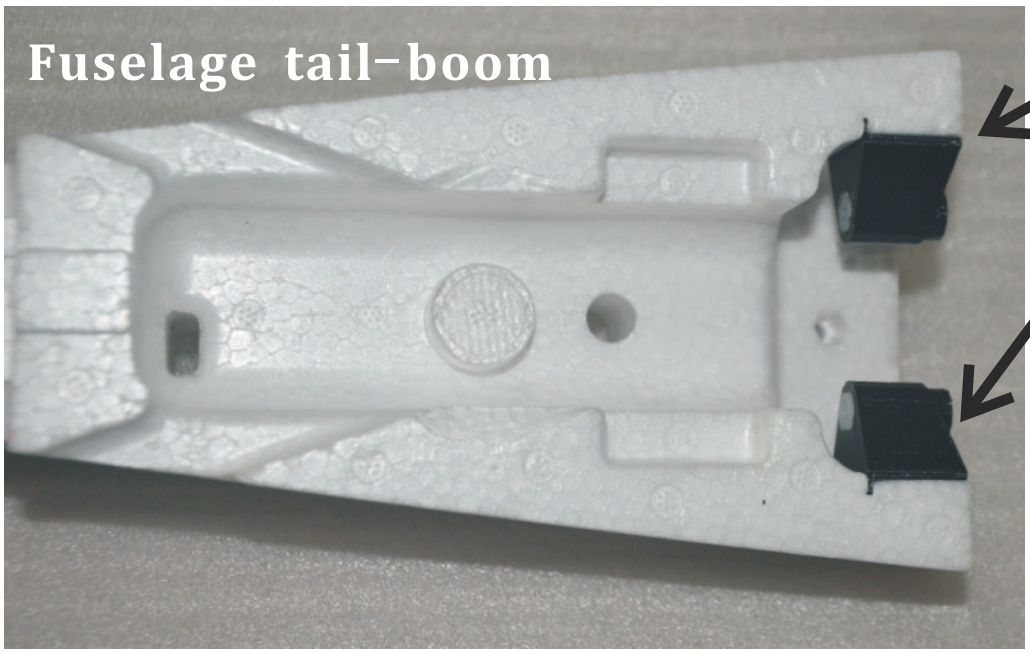


Detachable Fuselage

Non-detachable fuselge please skip to next page

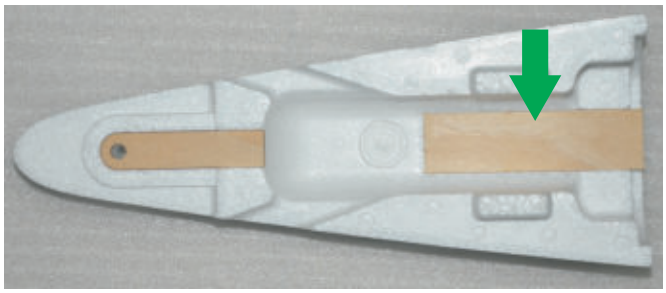


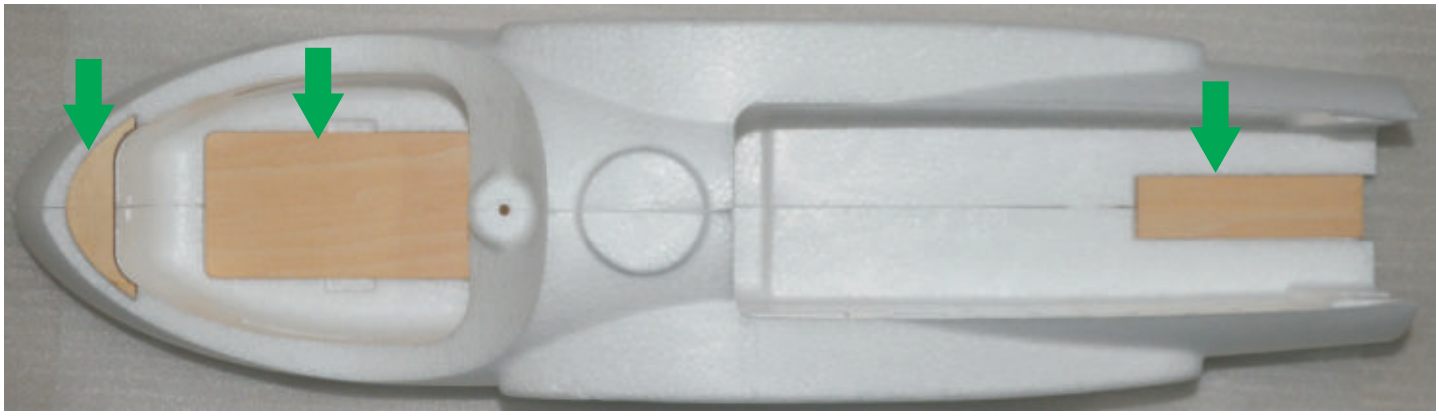
Nut



3 Plywood

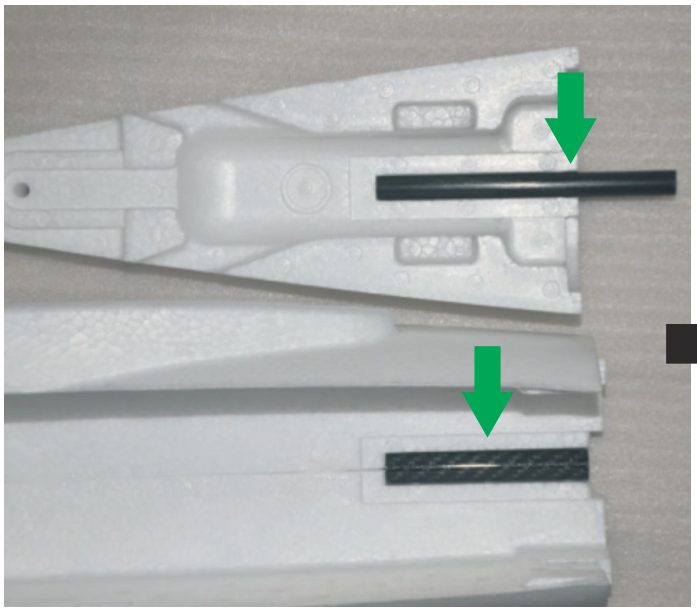
plywood reinforcements

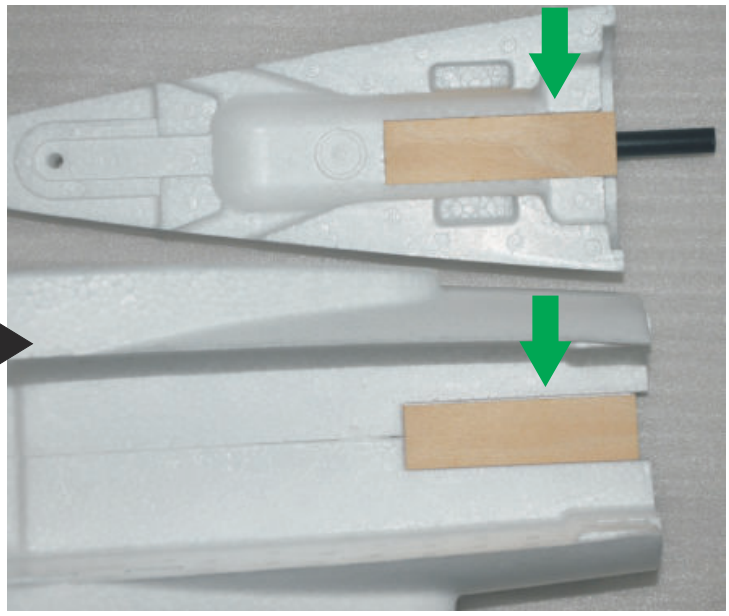




Detachable fuselge must install rods

Standard Non-Detachable fuselge no need to install rods, please skip to next page

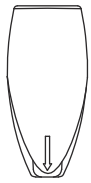


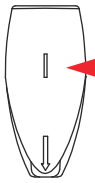


Airframe Building

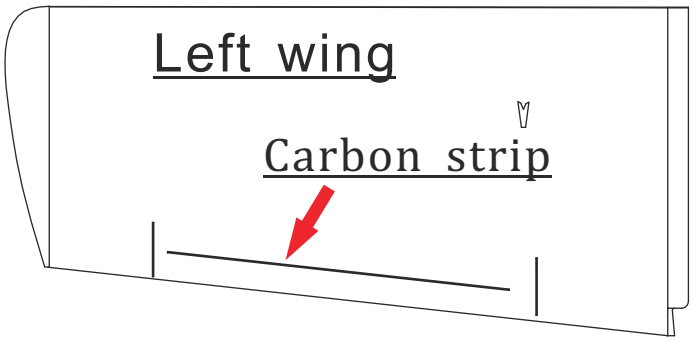
We can build main-wing now, let fuselage glue drying

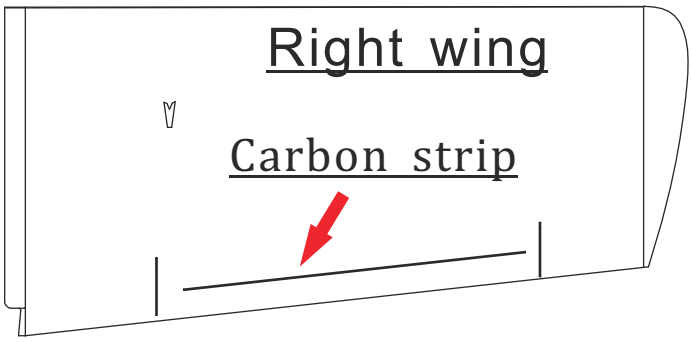
4 Glue motor mounts



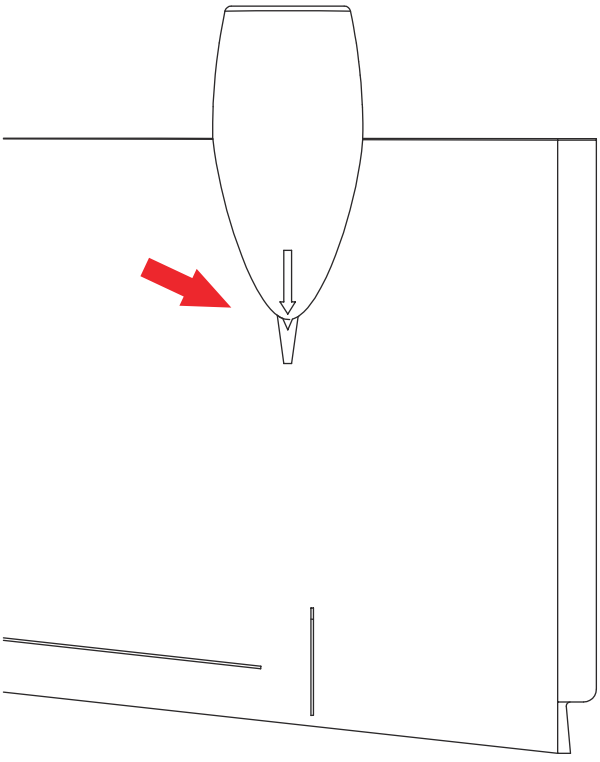


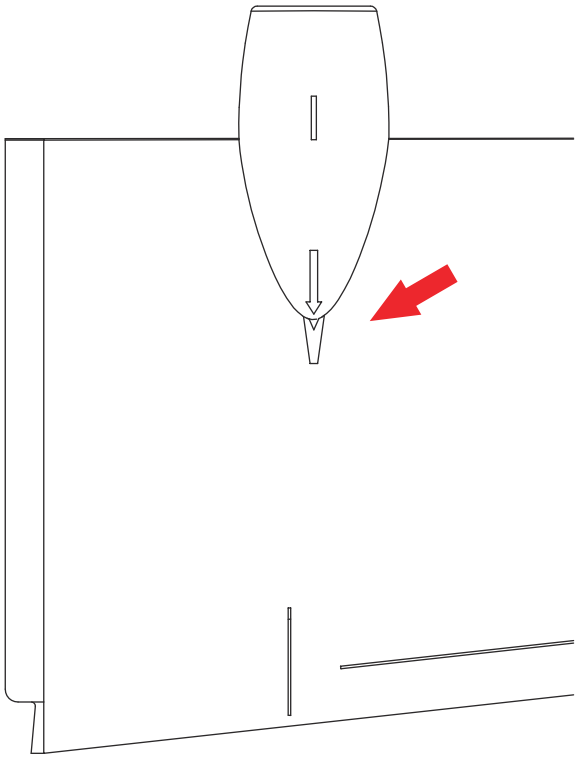
Reminder with this remarks to the right wing





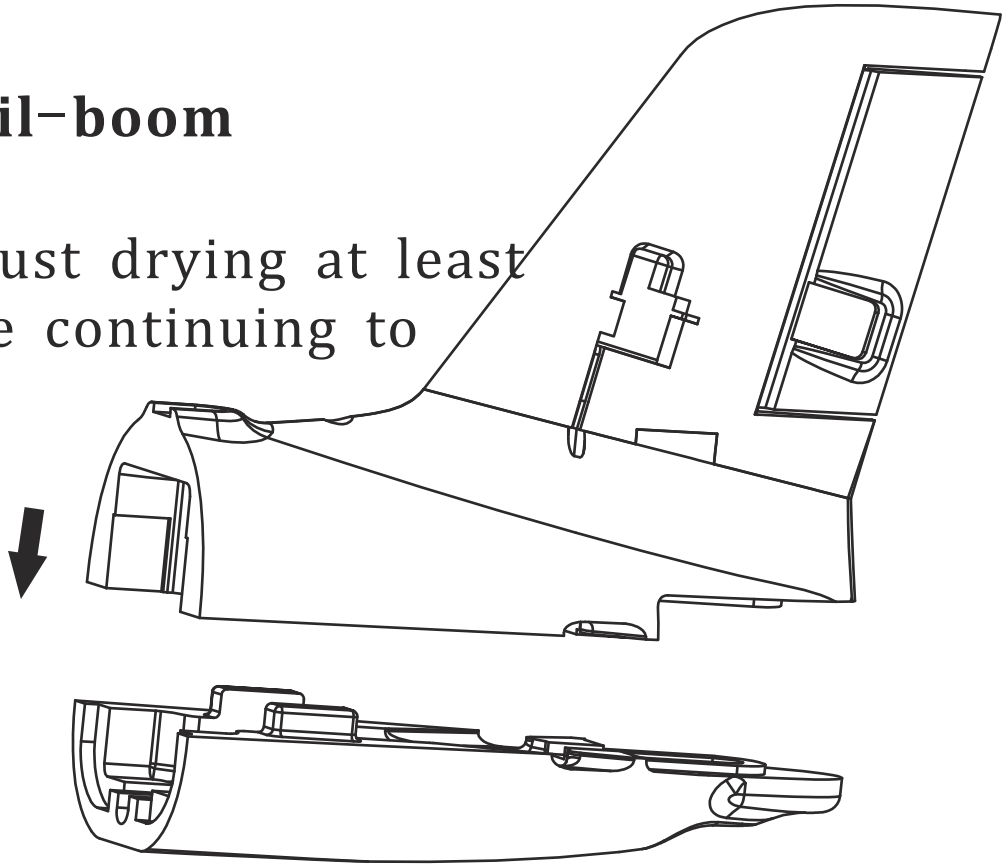
Glue properly to the red area drying one minutes then install properly to the main-wing





5 Glue tail-boom

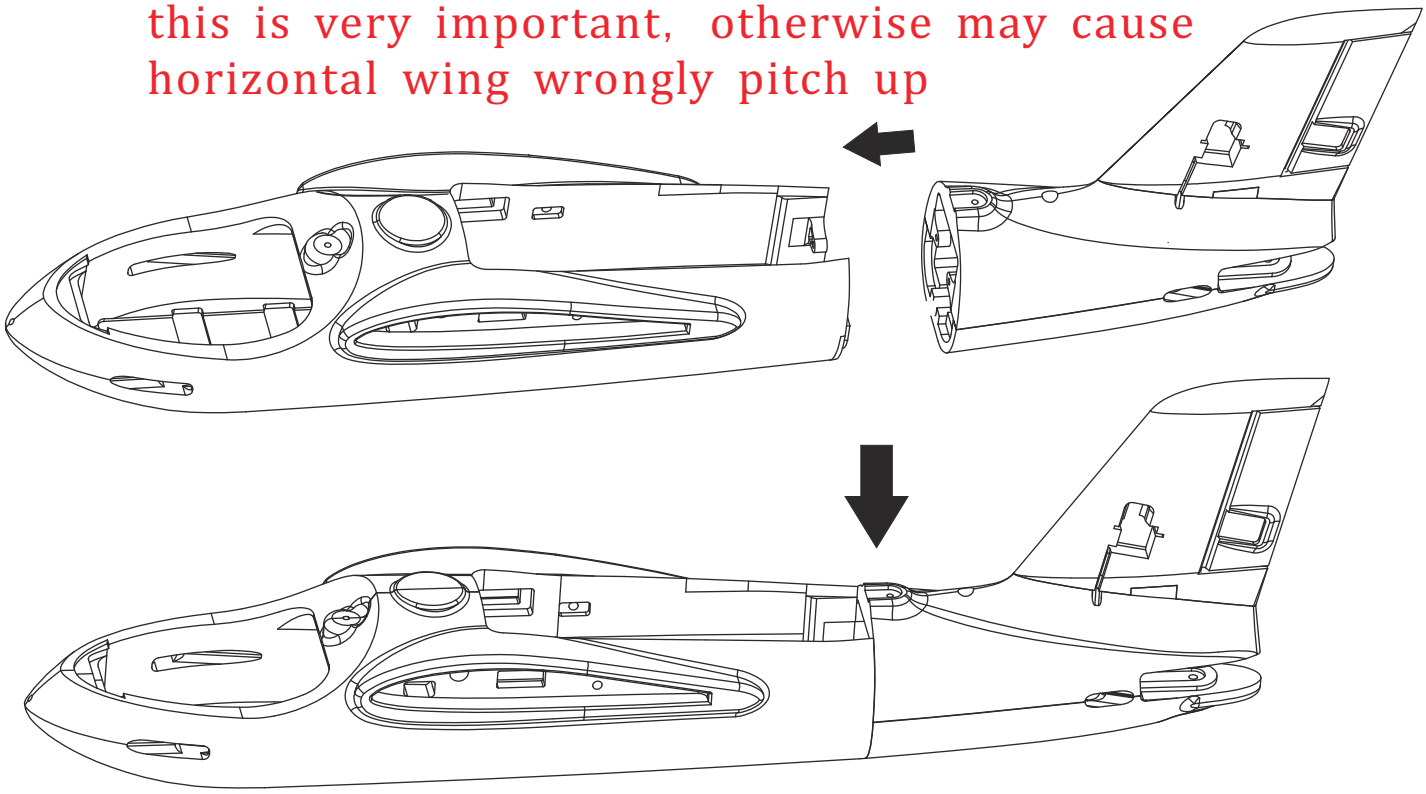
Reminder: must drying at least 1 hour before continuing to step 6



(Detachable Fuselage please skip)

6 Glue tail-boom to fusealge

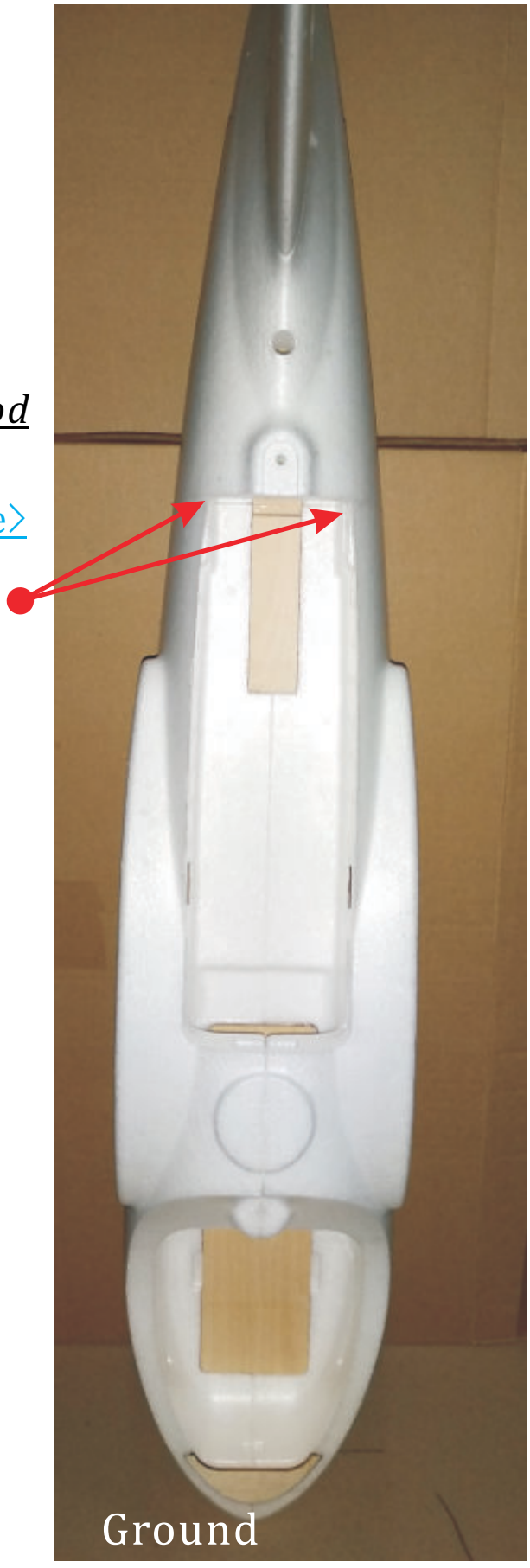
Reminder: must let fuselage drying at least 12 hours this is very important, otherwise may cause horizontal wing wrongly pitch up



Airframe Building

(Detachable fuselage please skip)

Let it stand up like this drying 12 hours

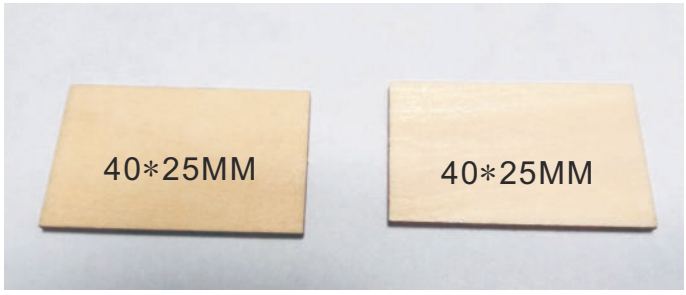


2020 Newly added this plywood

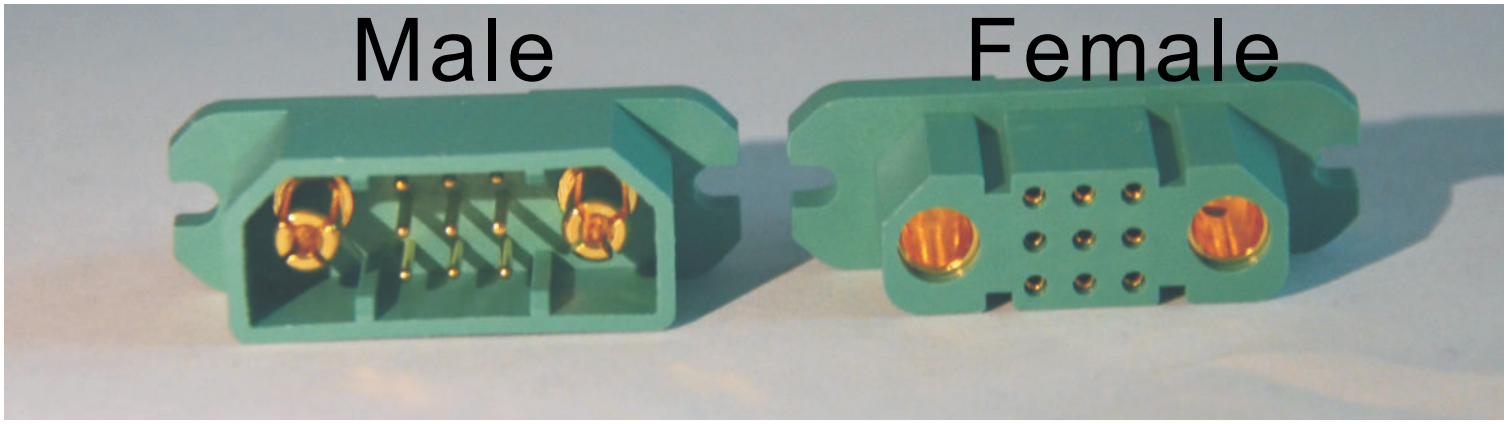
For Non-Detachable fuselage

〈No need for detachable fuselage〉

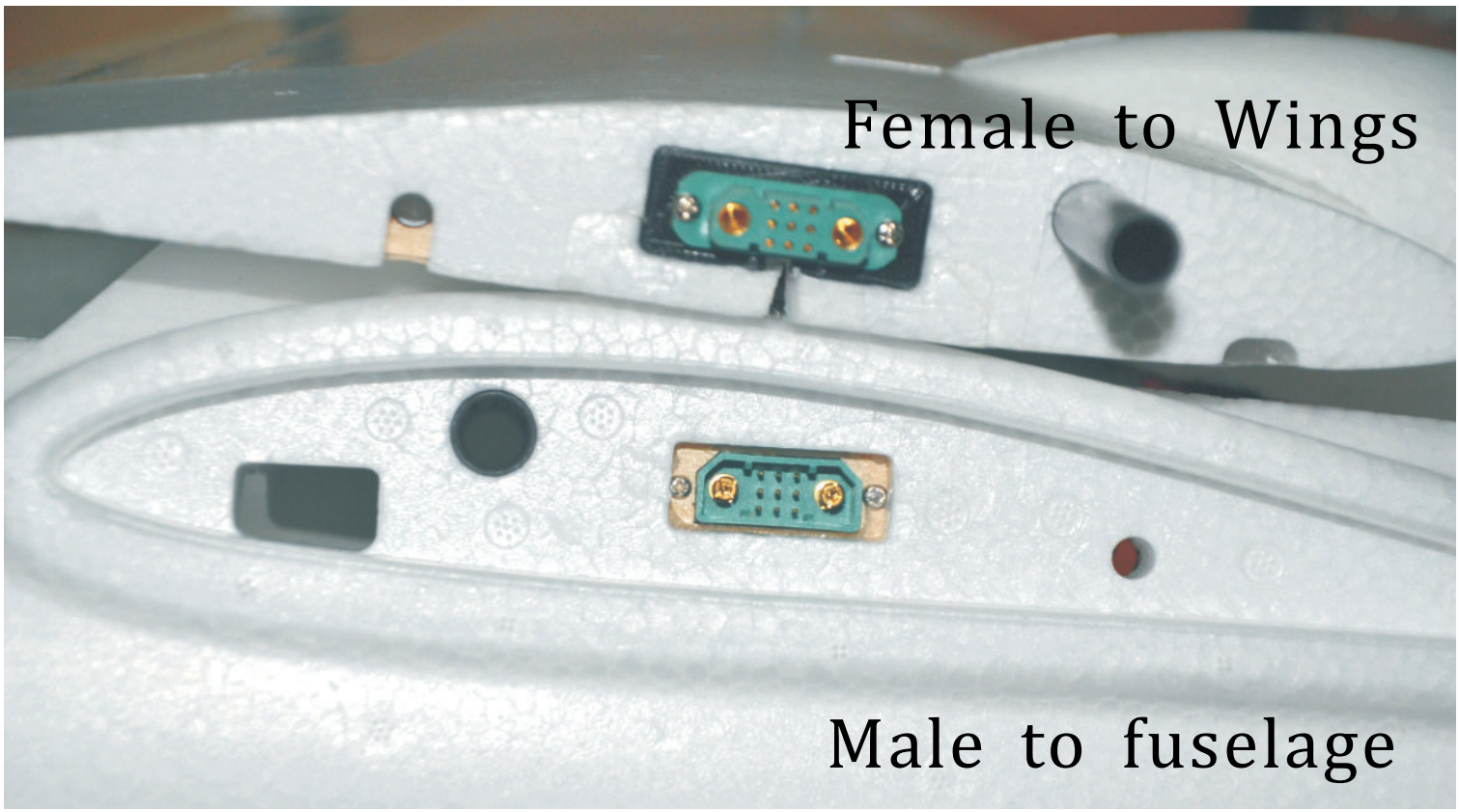
Gule to fuselage
for reinforcement



9+2 Connector

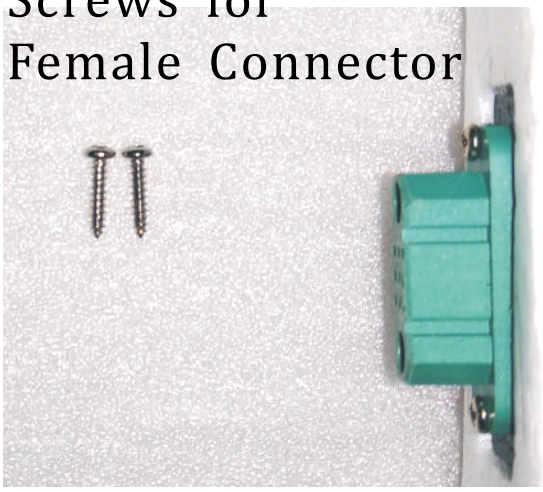


No regular rules on how to solder wires do as per your requirements freely

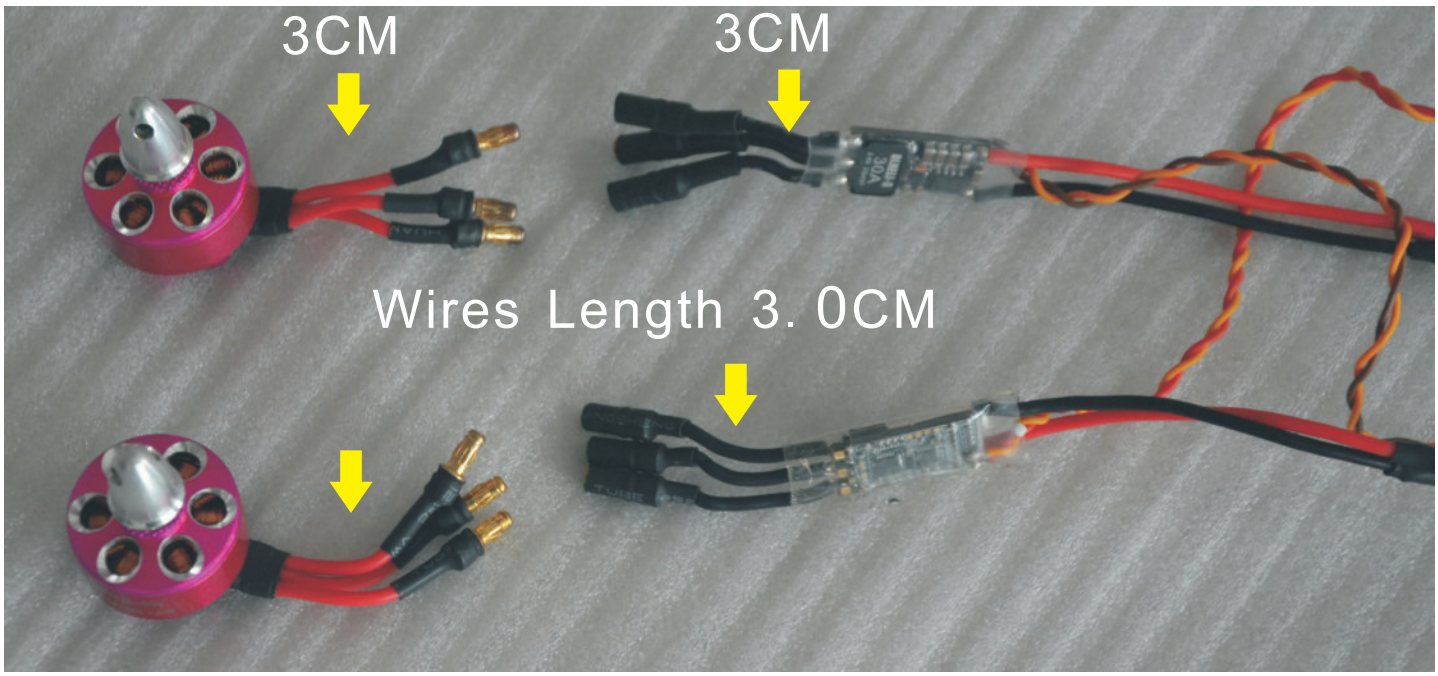


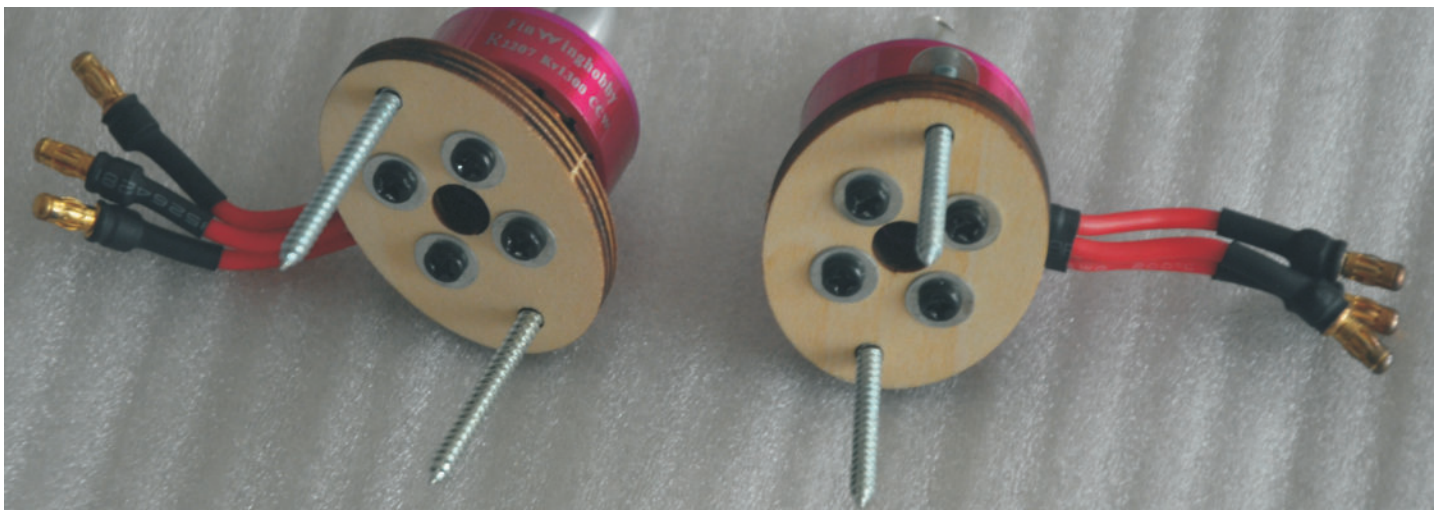
Screws secured Male connector to fuselage

Screws for Female Connector



Motor, ESC, Servo





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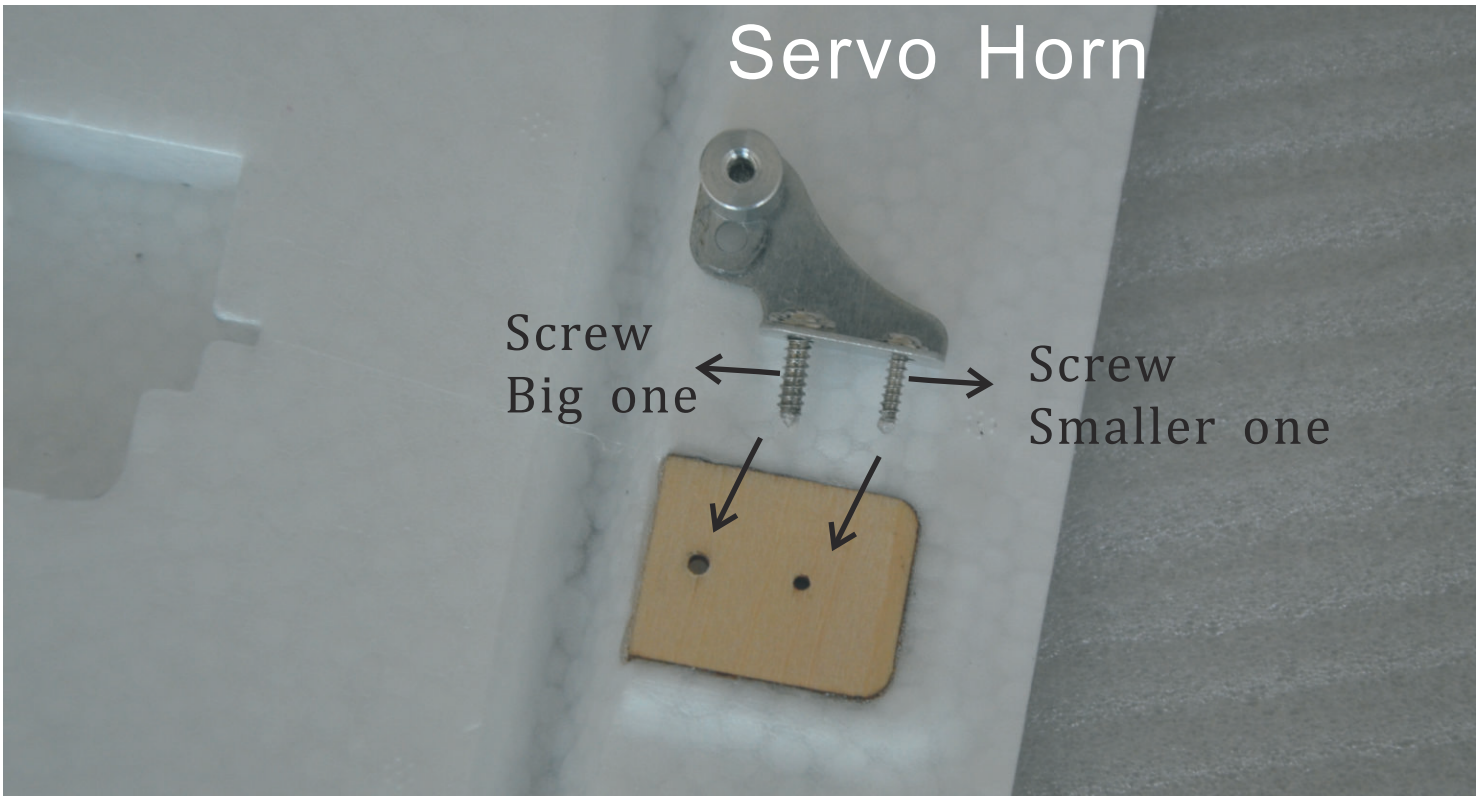
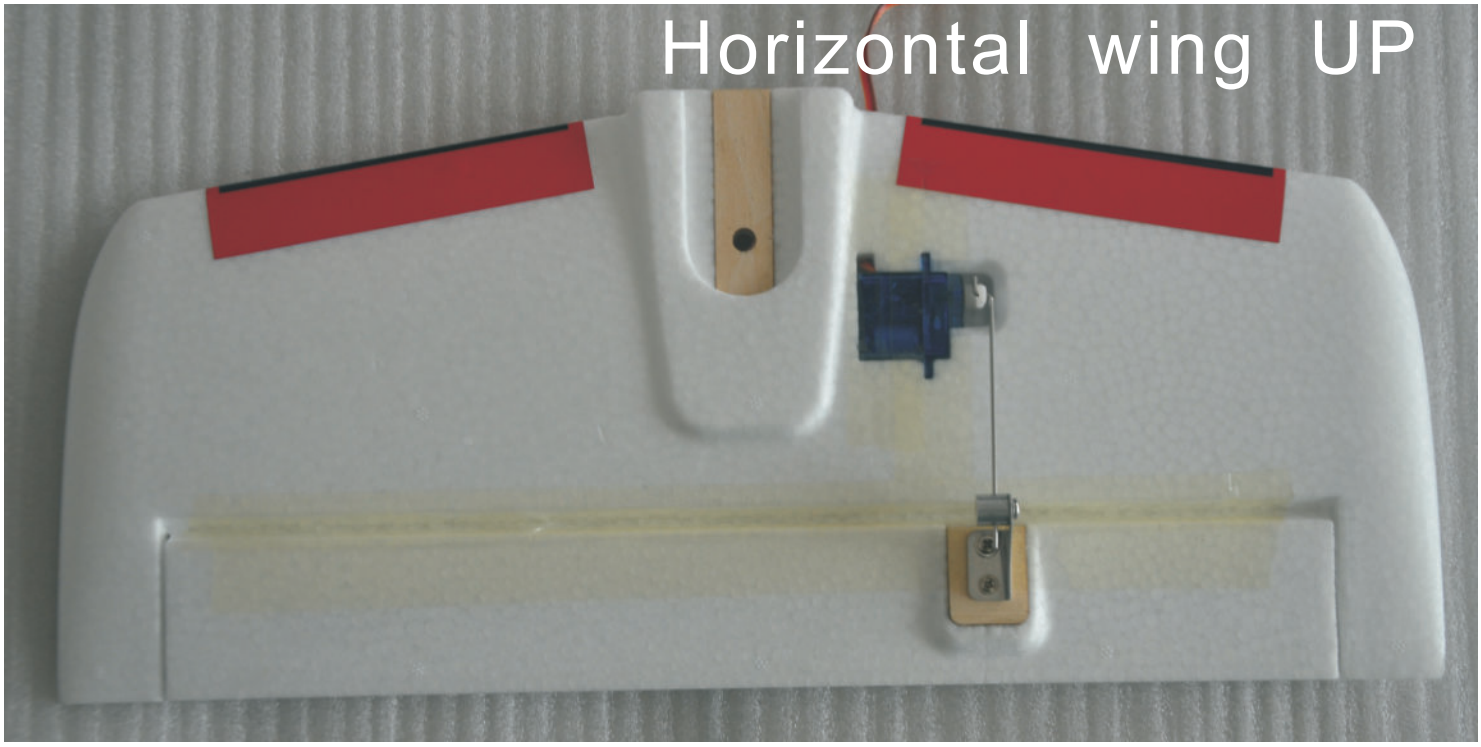
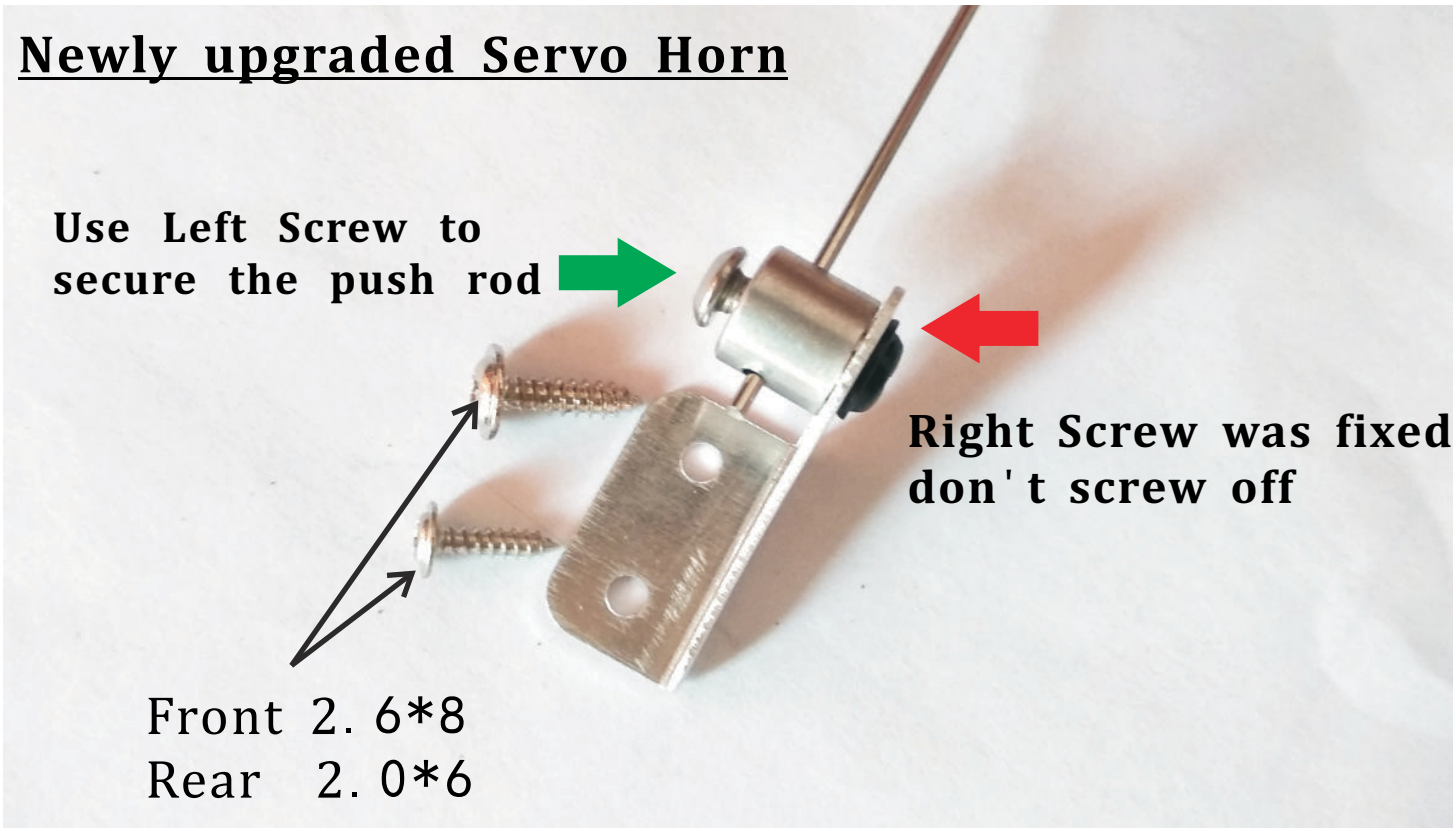
Motor, ESC, Servo



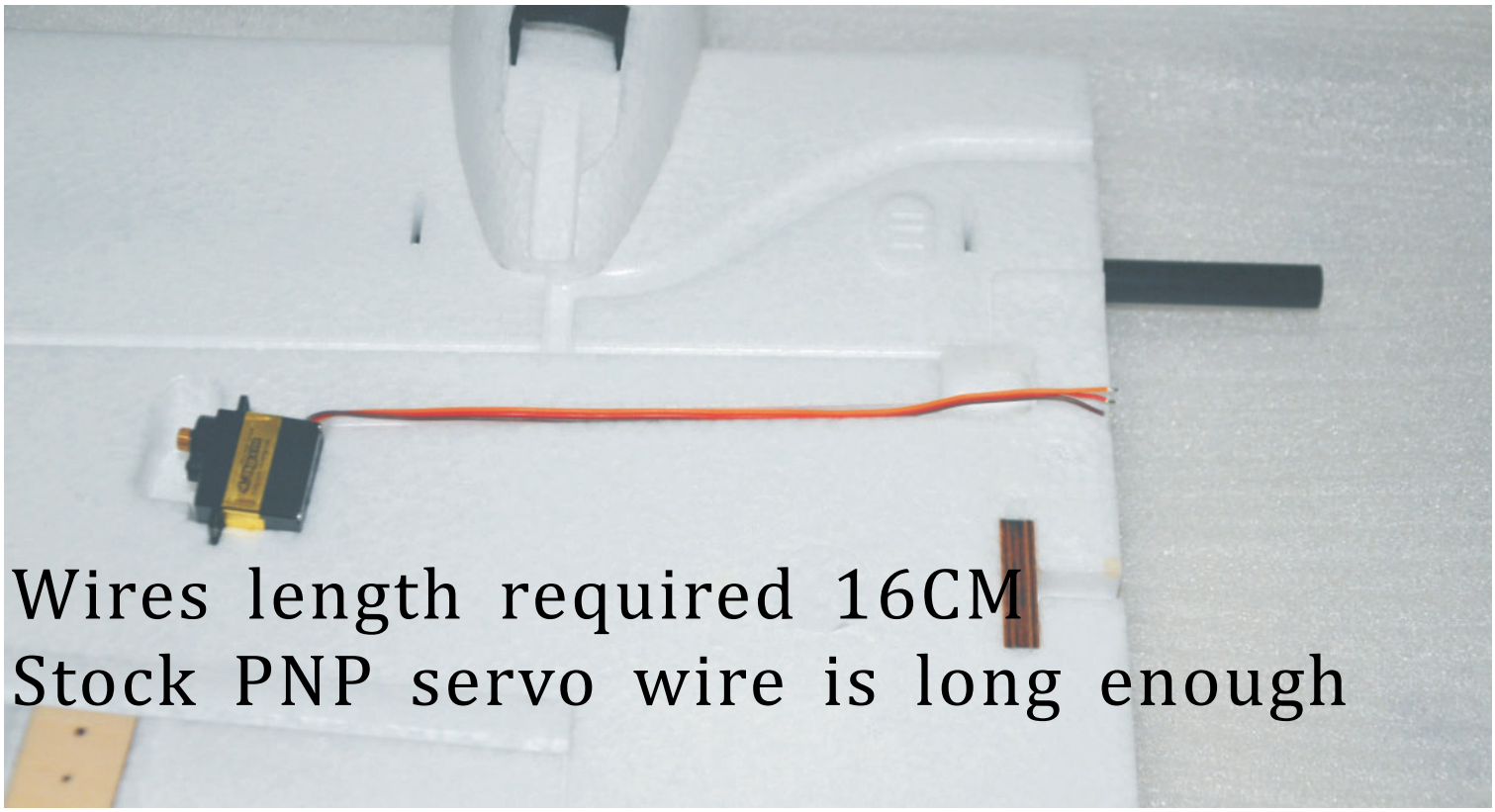


New Servo Horn introductions

Orders after July 2020 will use this new servo horn

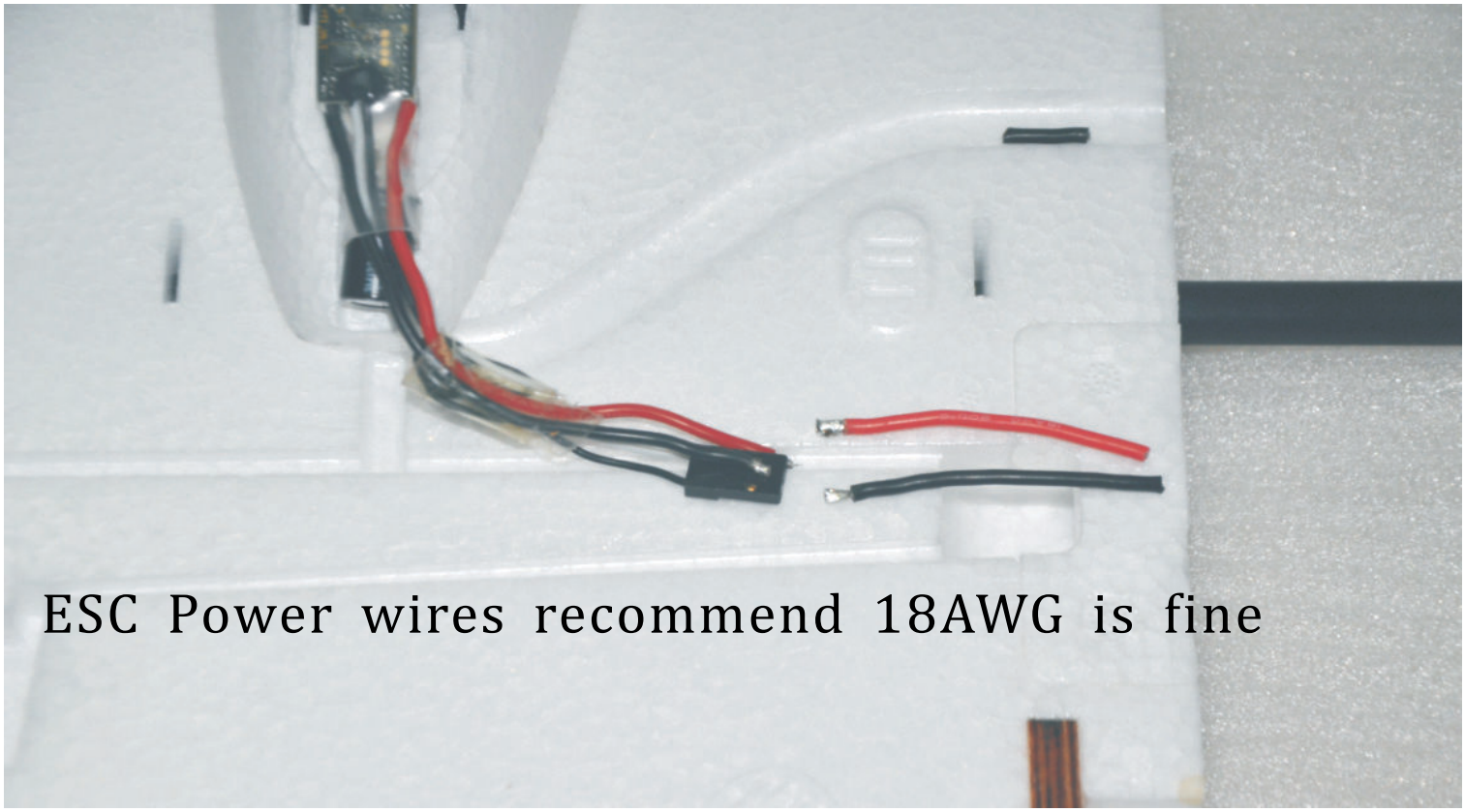


9+2 Building



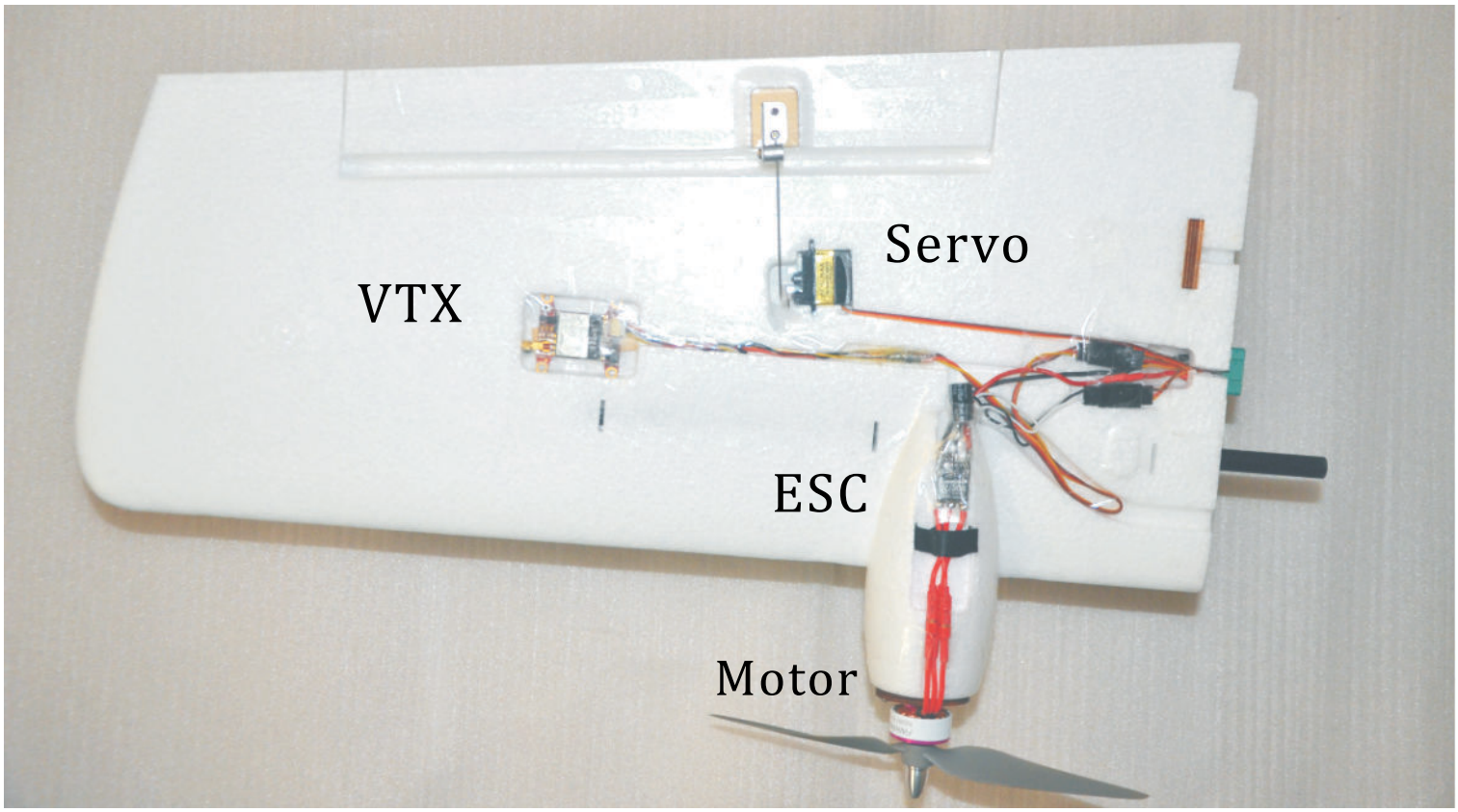
Wires length required 16CM
Stock PNP servo wire is long enough

Figure out proper wire length for your devices soldering to the 9+2 connector directly

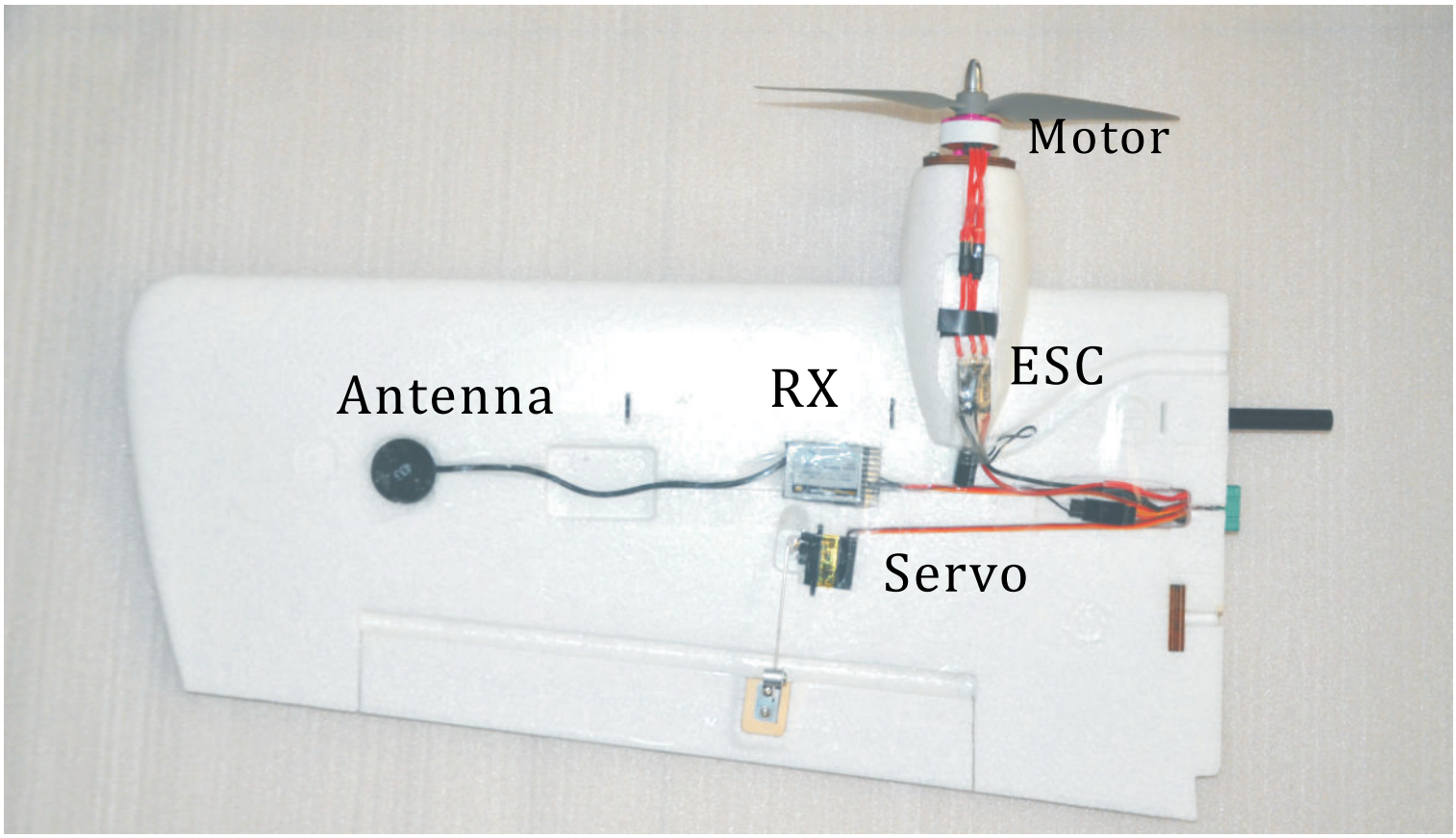


ESC Power wires recommend 18AWG is fine

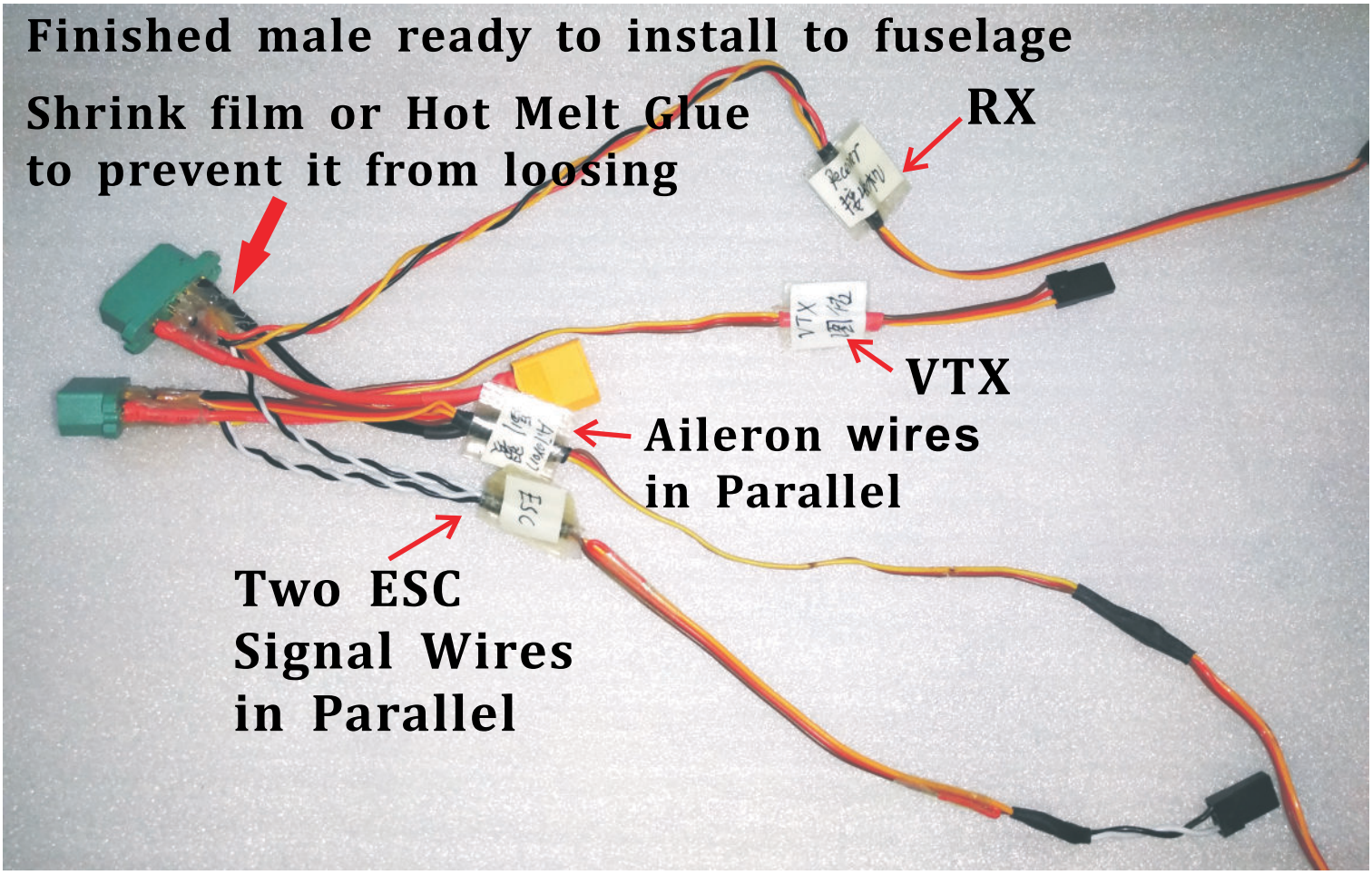
9+2 Building



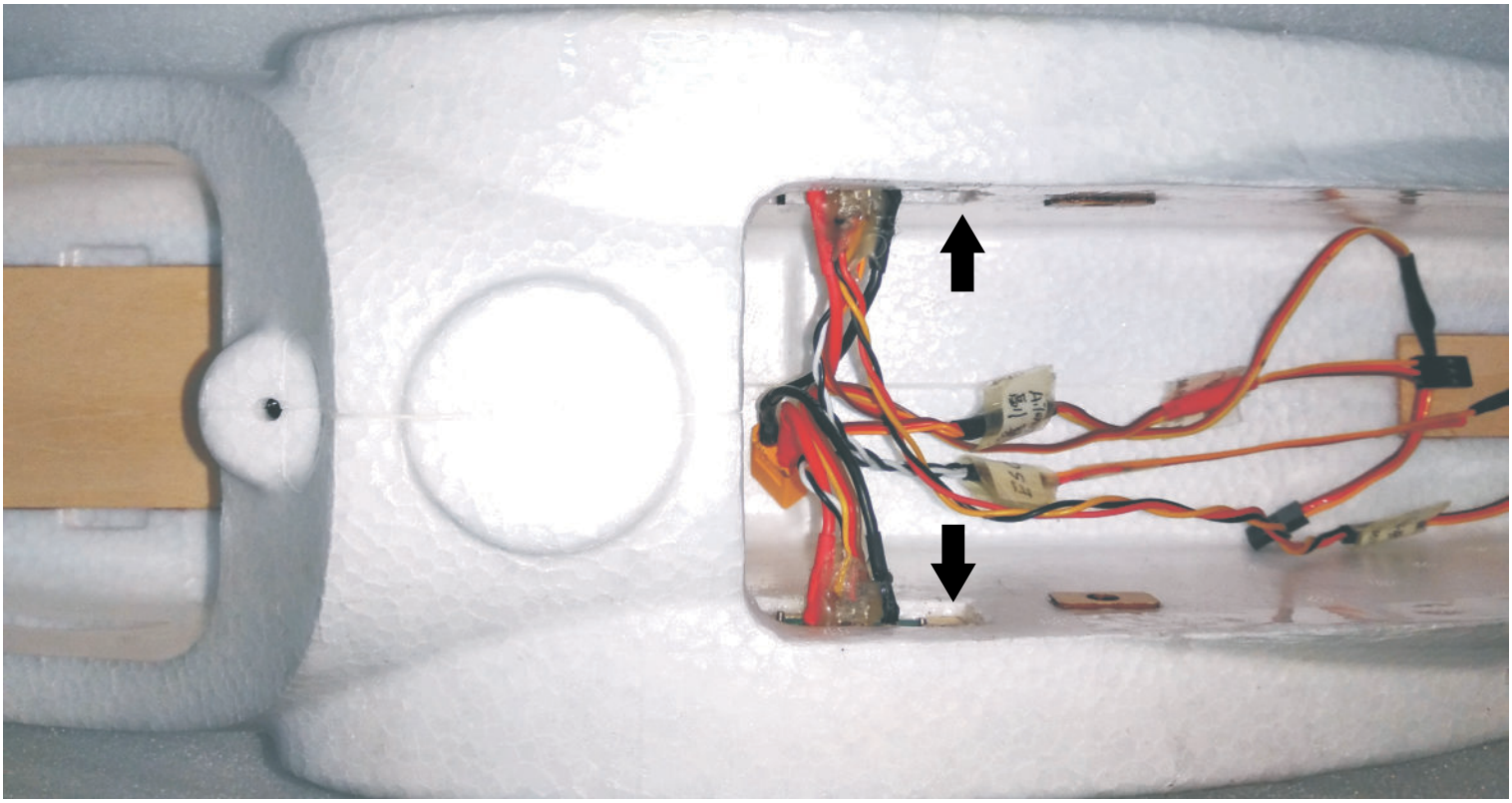
Show in the manual is for you reference only you can do as per your preference



9+2 Building



You can solder all devices and wires before installing to fuselage
Because it is removable freely, connector could be installed
from inside instead of outside

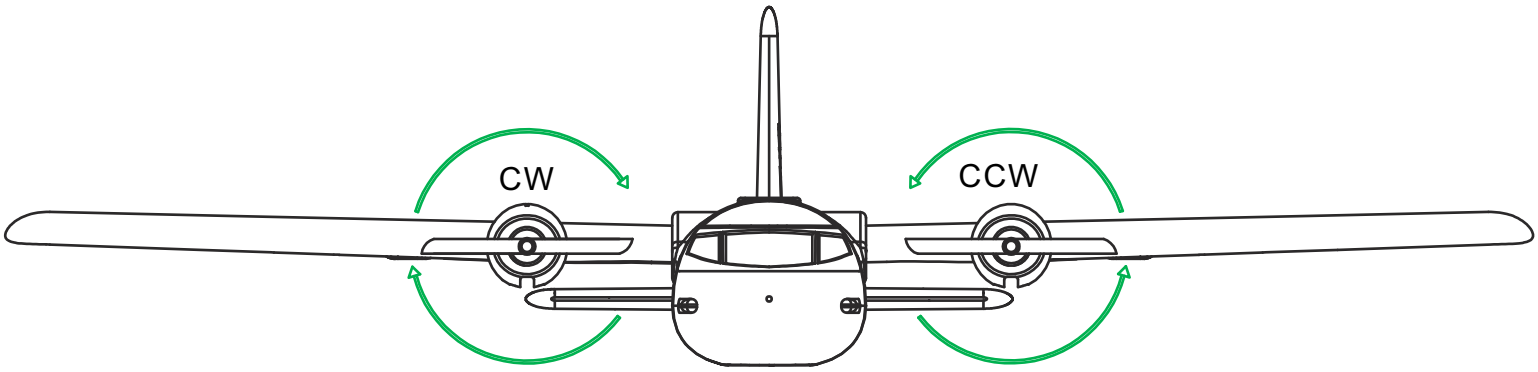


How to install Motors and Propellers

1> Propeller running inward

2> Left CW Right CCW

3> Propeller's Character forward



Tie screw like this if you are afraid of missing screws