

Albabird XL Aircraft Twin Engine

User Manual

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XUWING TECHNOLOGY

XUWING.COM

FINWINGHOBBY.COM

Please read through the manual before installation and flying

This manual is an introduction to user on how to building the plane.
Please visit the XUWING.com official website for more information.

Warning:

1. This model airplane is not a toy, don't recommended for anyone under 18 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.

Welcome Join Facebook Groups
Sharing, discussing building and fly



Group by Xuwing Technology FPV UAV

Finwinghobby(Xuwing) FPV Aircraft

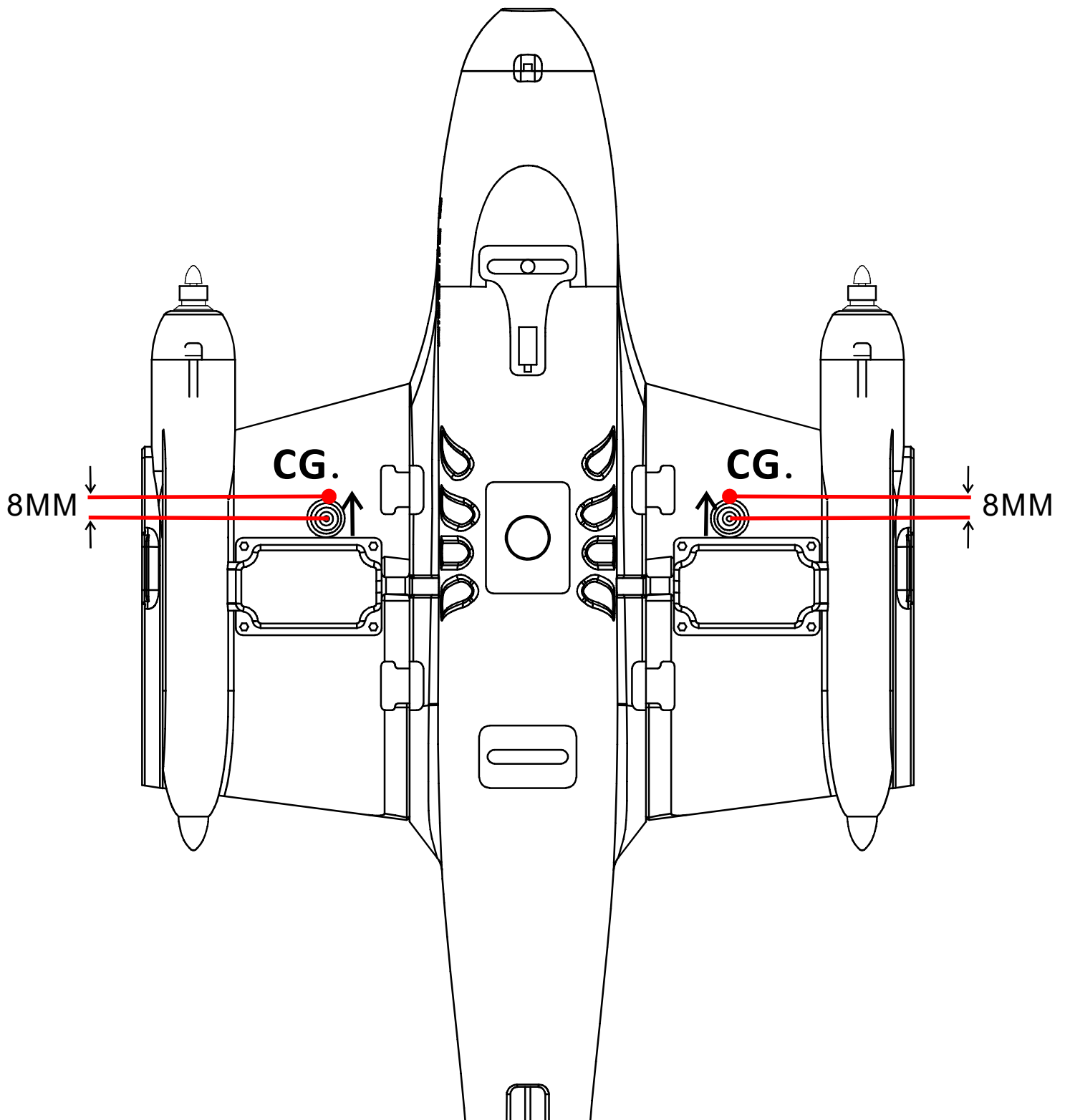
Private group · 1.5K members



+ Invite

Albabird XL CG.

*CG, is 8MM forward from the Circle marks



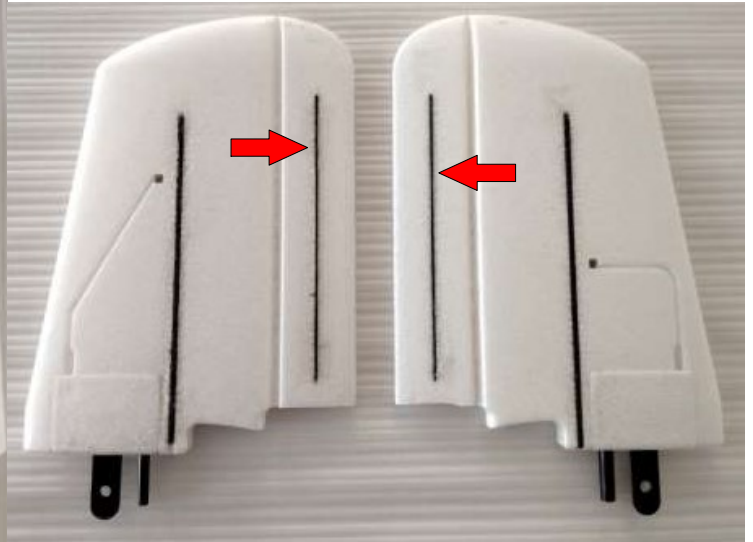
Frame parts installation

Airframe parts 95% are pre-glued, few of the parts need user to install, Motors, ESC, Servos, wires not pre-installed, need user to do it yourself

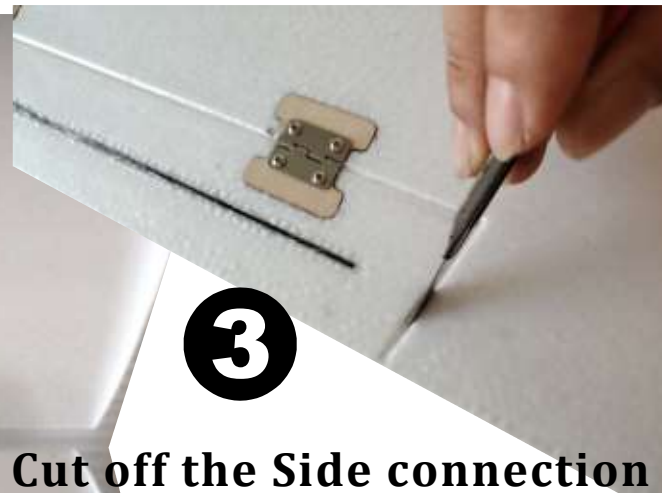
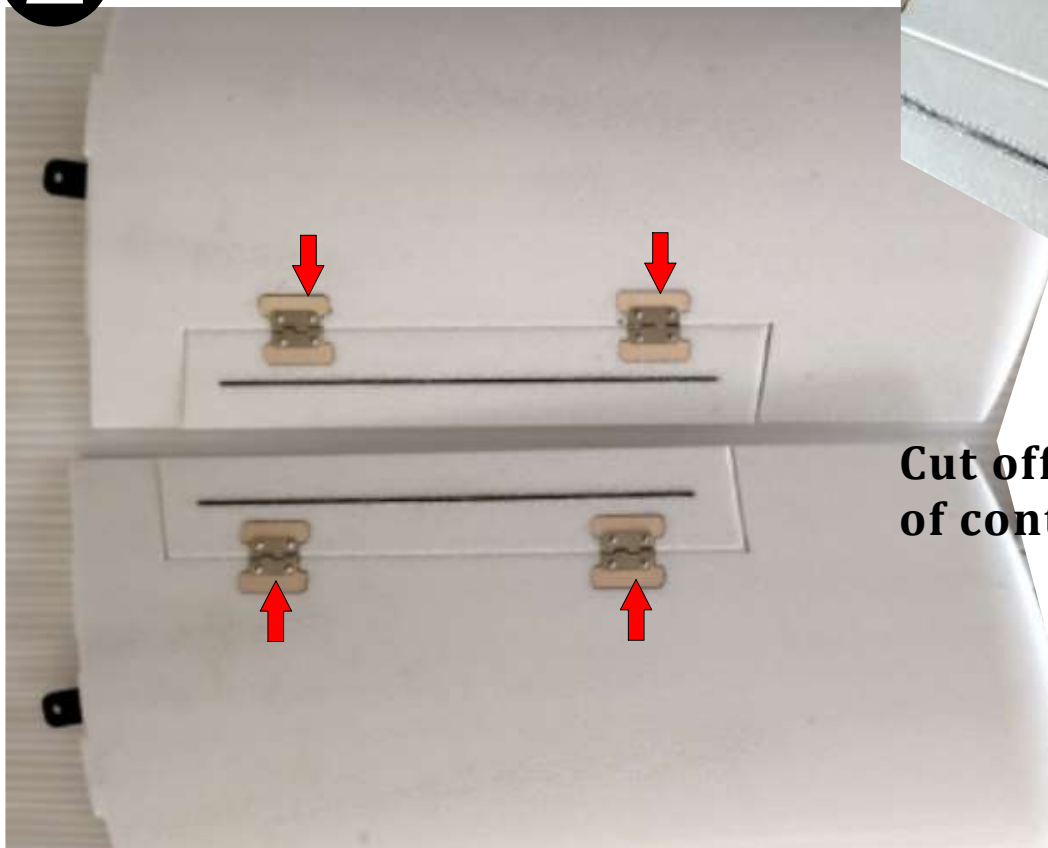


1

Carbon rib reinforcement for controller surface
Glued to Aileron, Elevator and Rudder



2 Install hinges for Aileron



3

**Cut off the Side connection
of control surface**

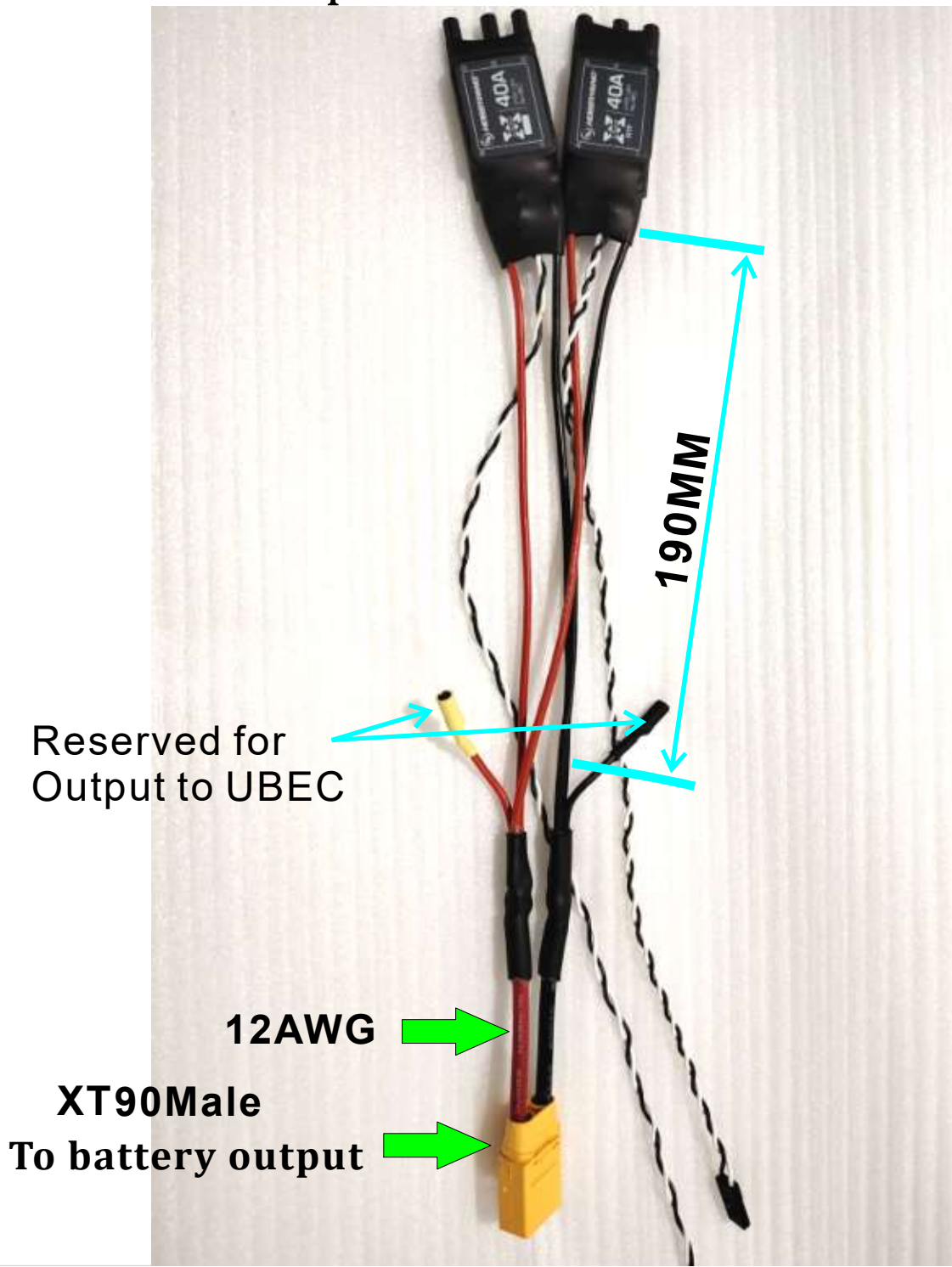
**Cut off the side connection of the control surface until
feeling the control surface is rotatable freely
Rudder do the same**

Frame parts installation

Note: Battery base plywood glued to fuselage but you have to decide when is a good time to glue it if need DIY or change fuselage



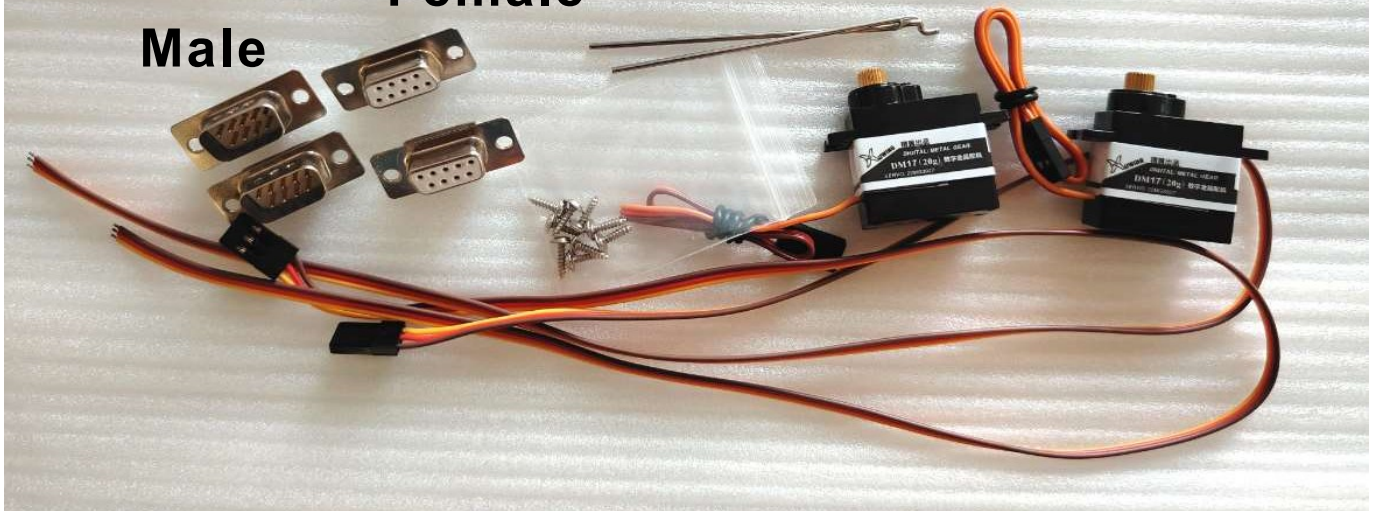
Frame parts installation finished, next step is electronics
ESC in parallel to a Xt90 connector



Main-wing wires and Connectors

Find out these parts, Aileron Servo is Dm17

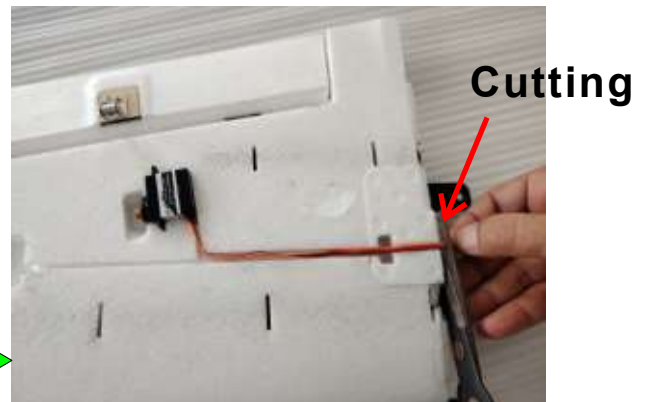
Male
Female



Connector soldering



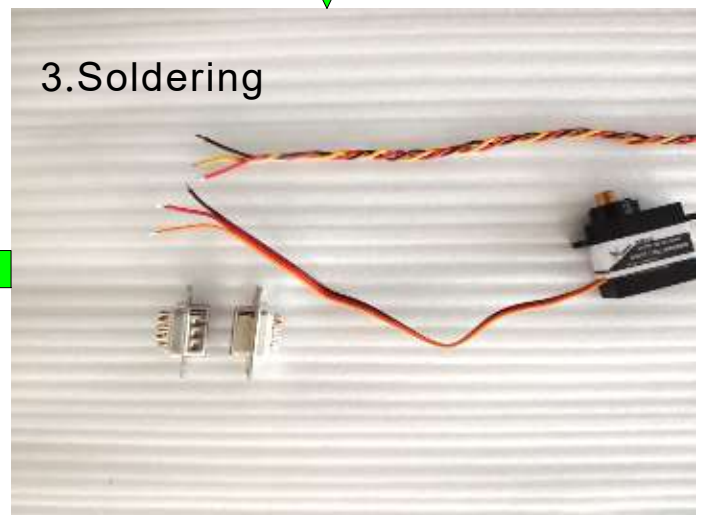
2. get a proper wire length



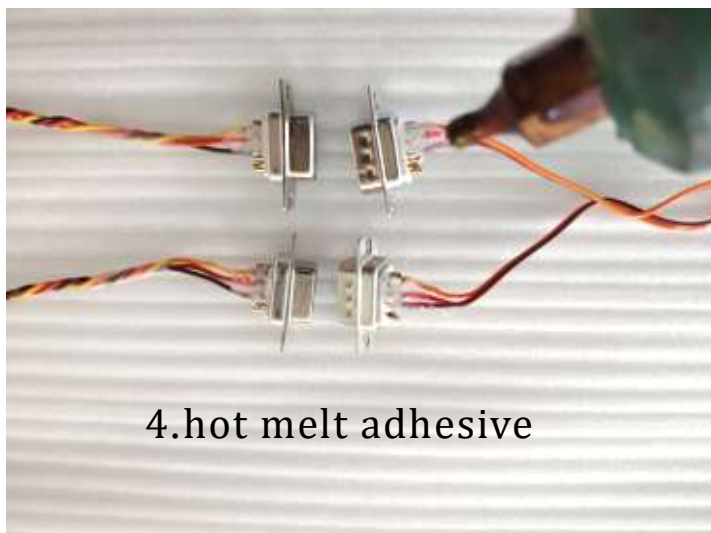
Recommend wires threaded



3. Soldering

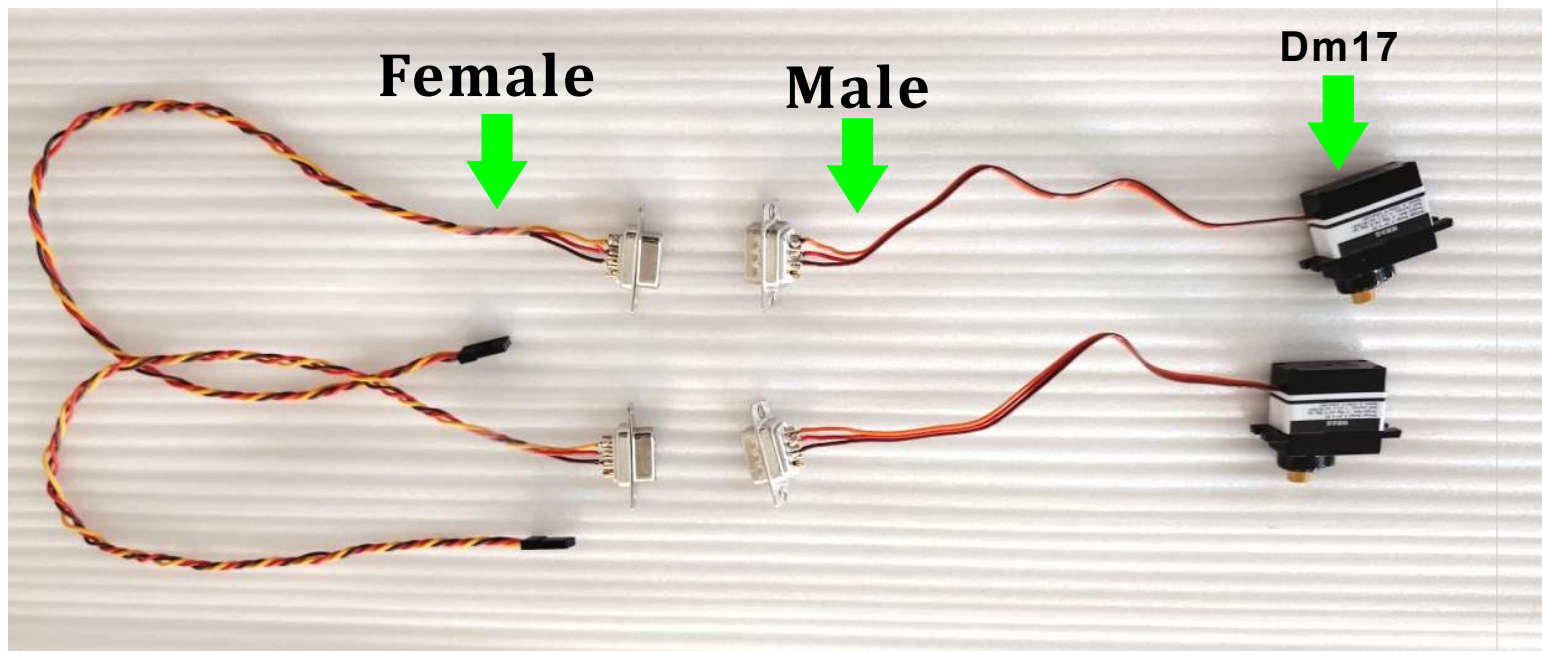


4. hot melt adhesive

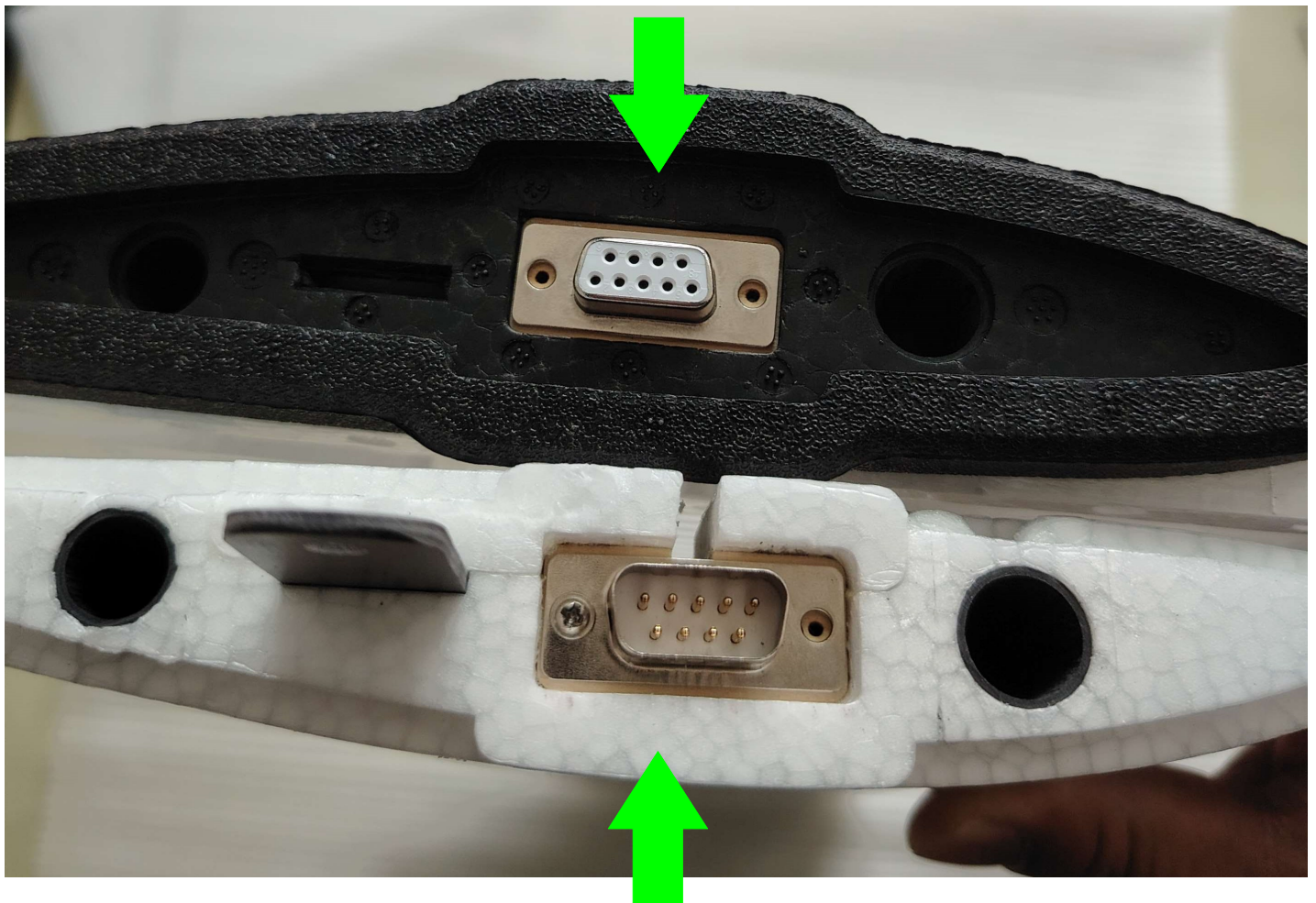


Main-wing wires and Connectors

Ready to install it to the plane now.



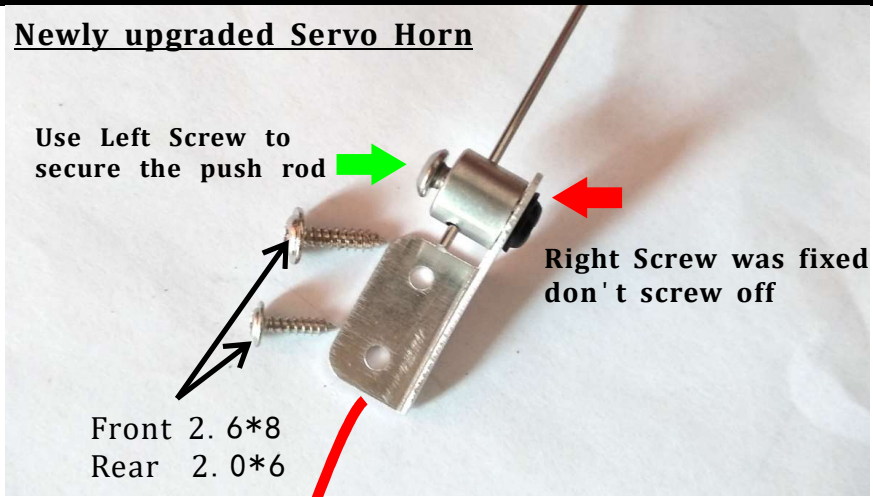
Female for middle wing



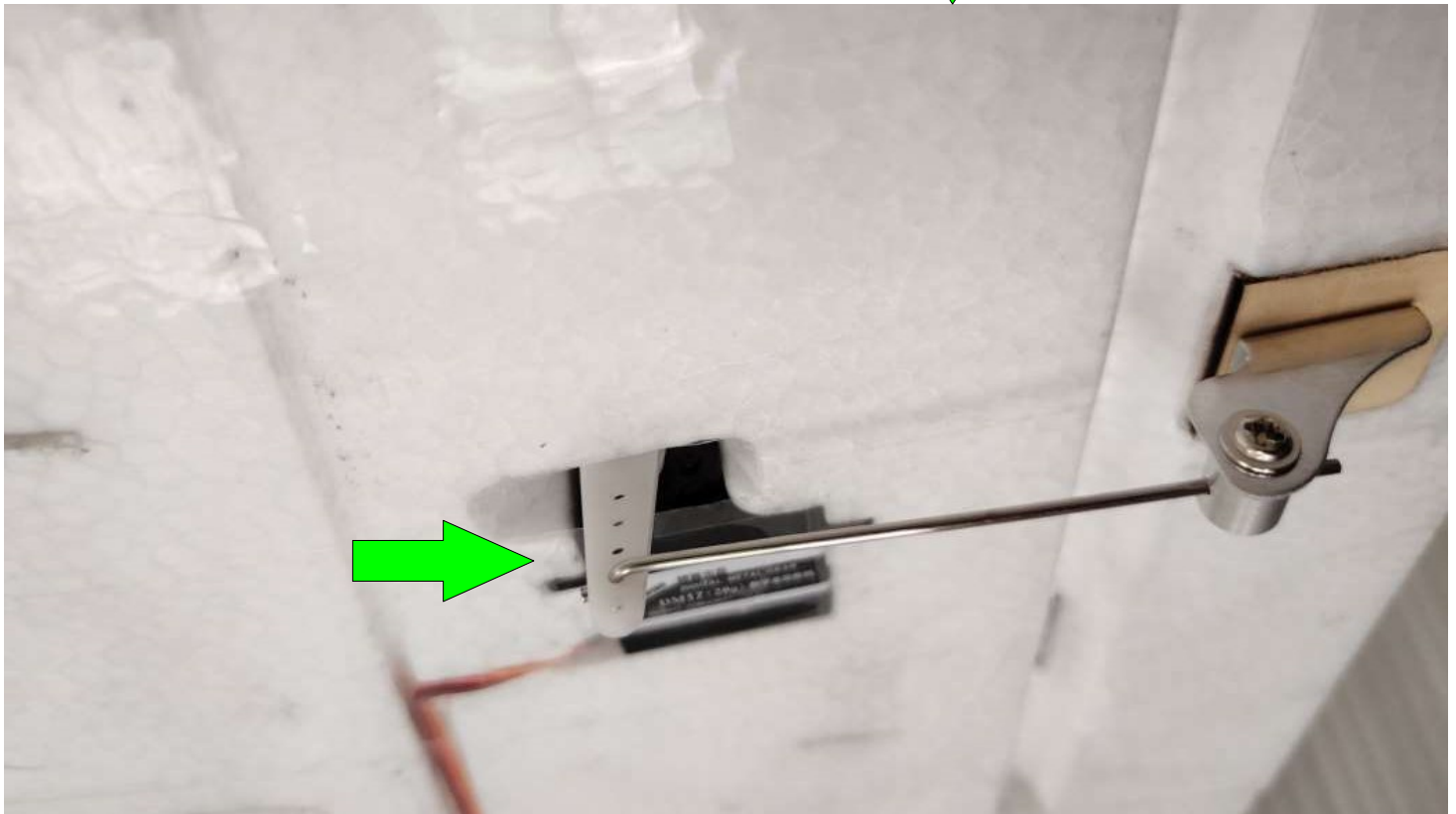
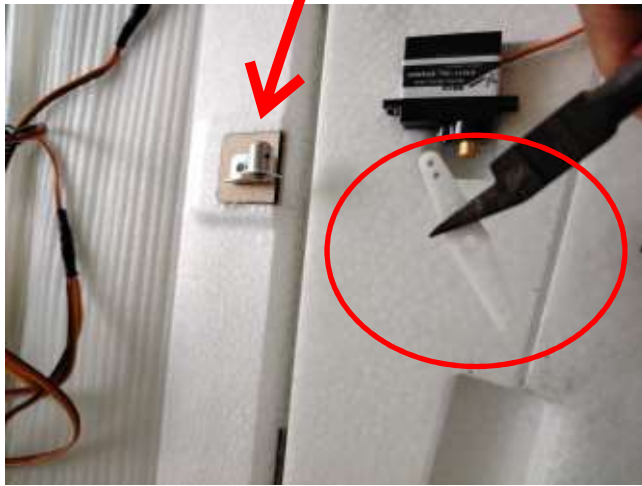
Male for out Main- wing

Servo installation and control surface

Newly upgraded Servo Horn

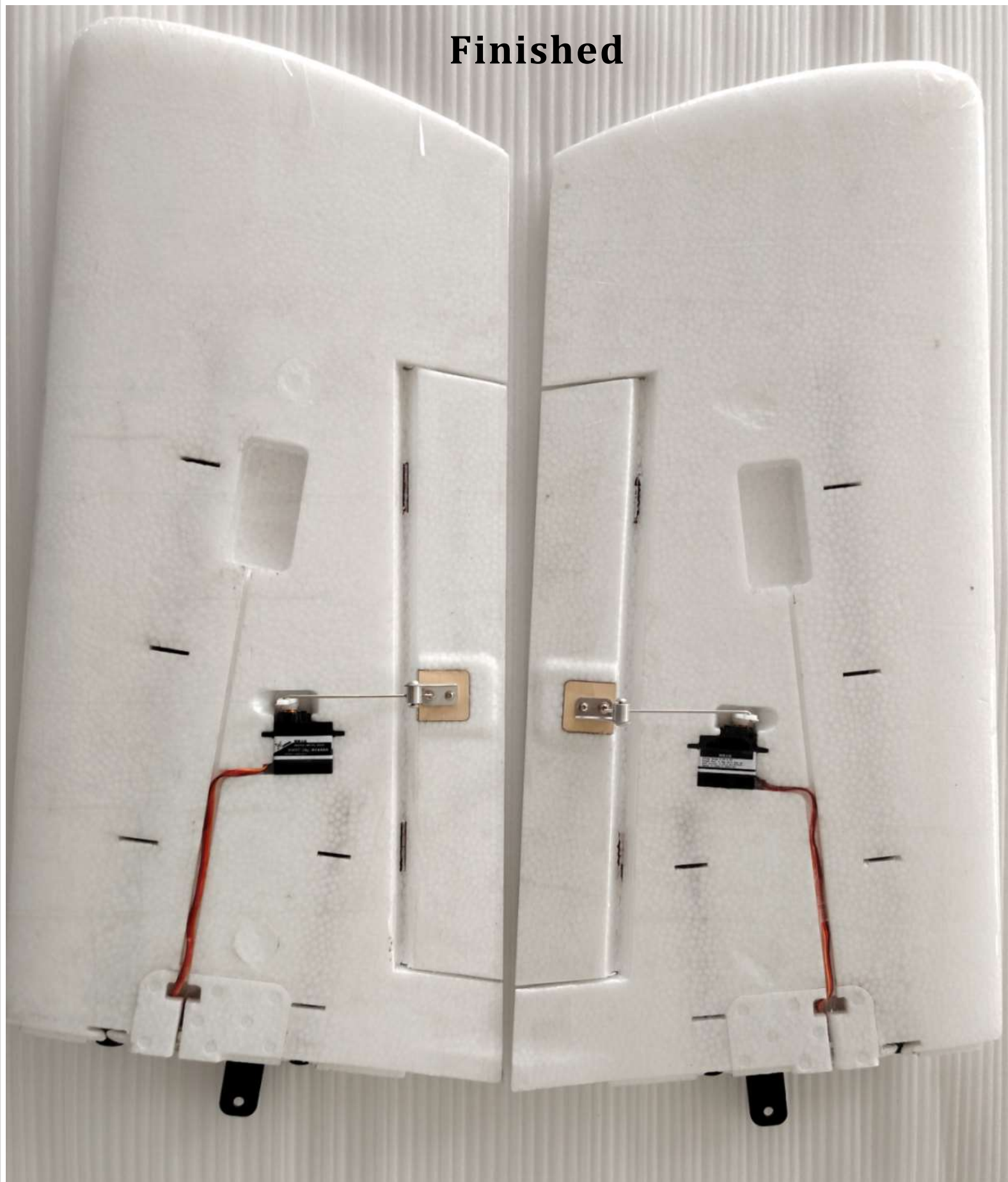


For Aileron: DM17

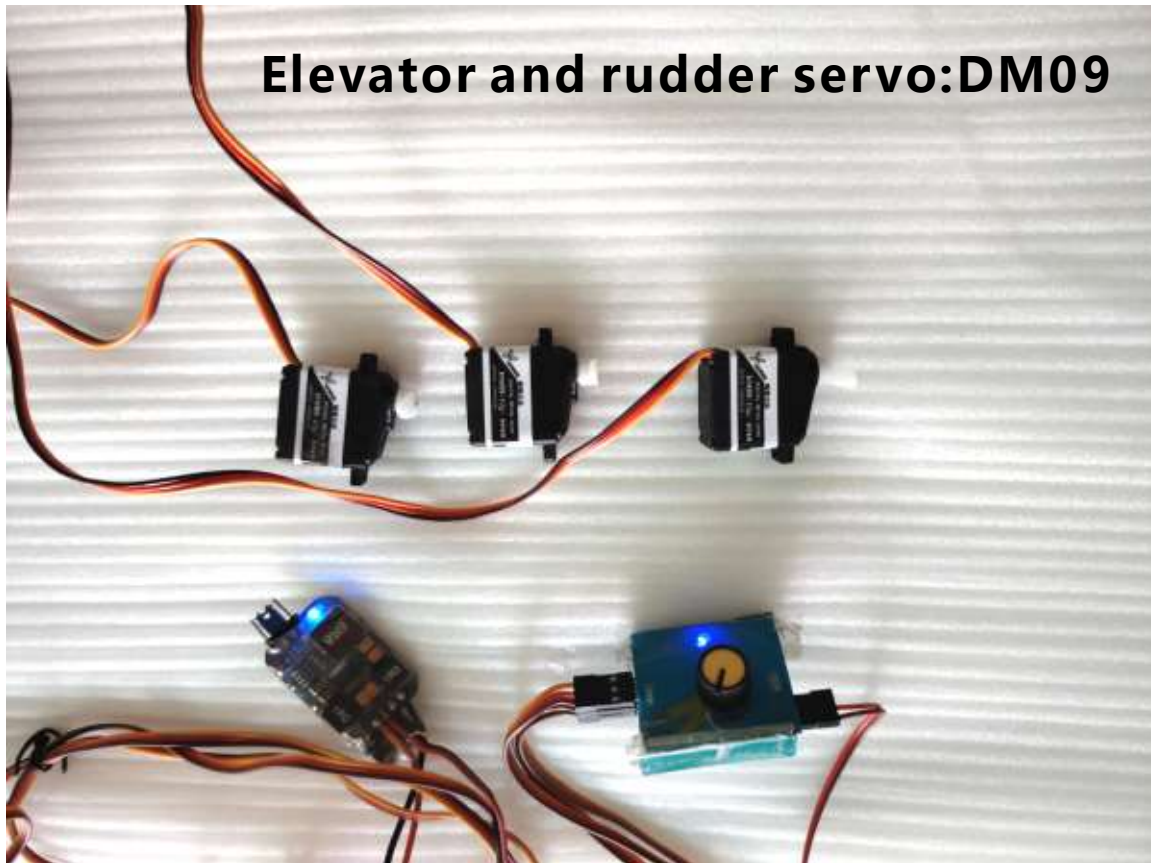


Servo installation and control surface

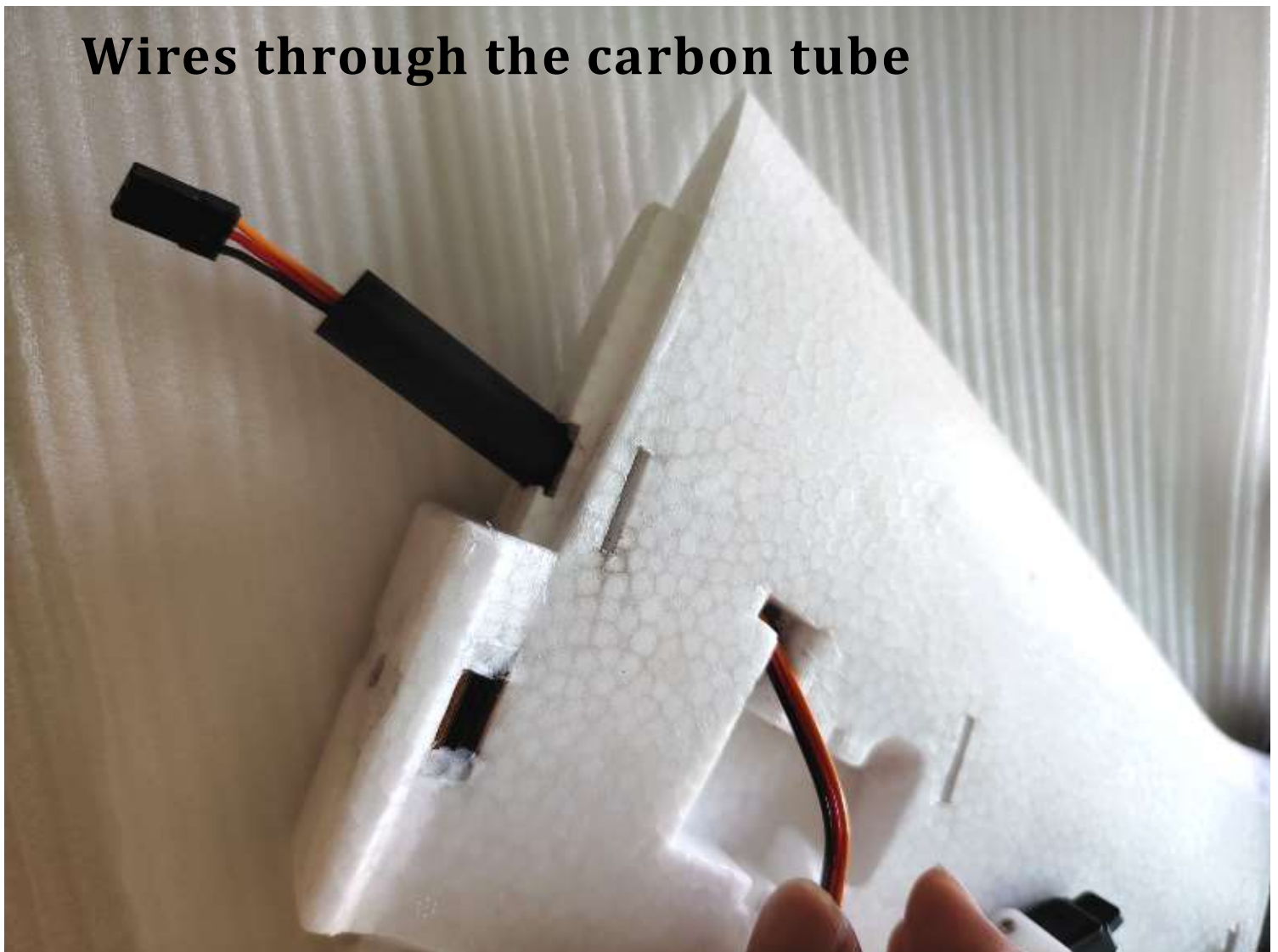
Finished



Servo installation and control surface



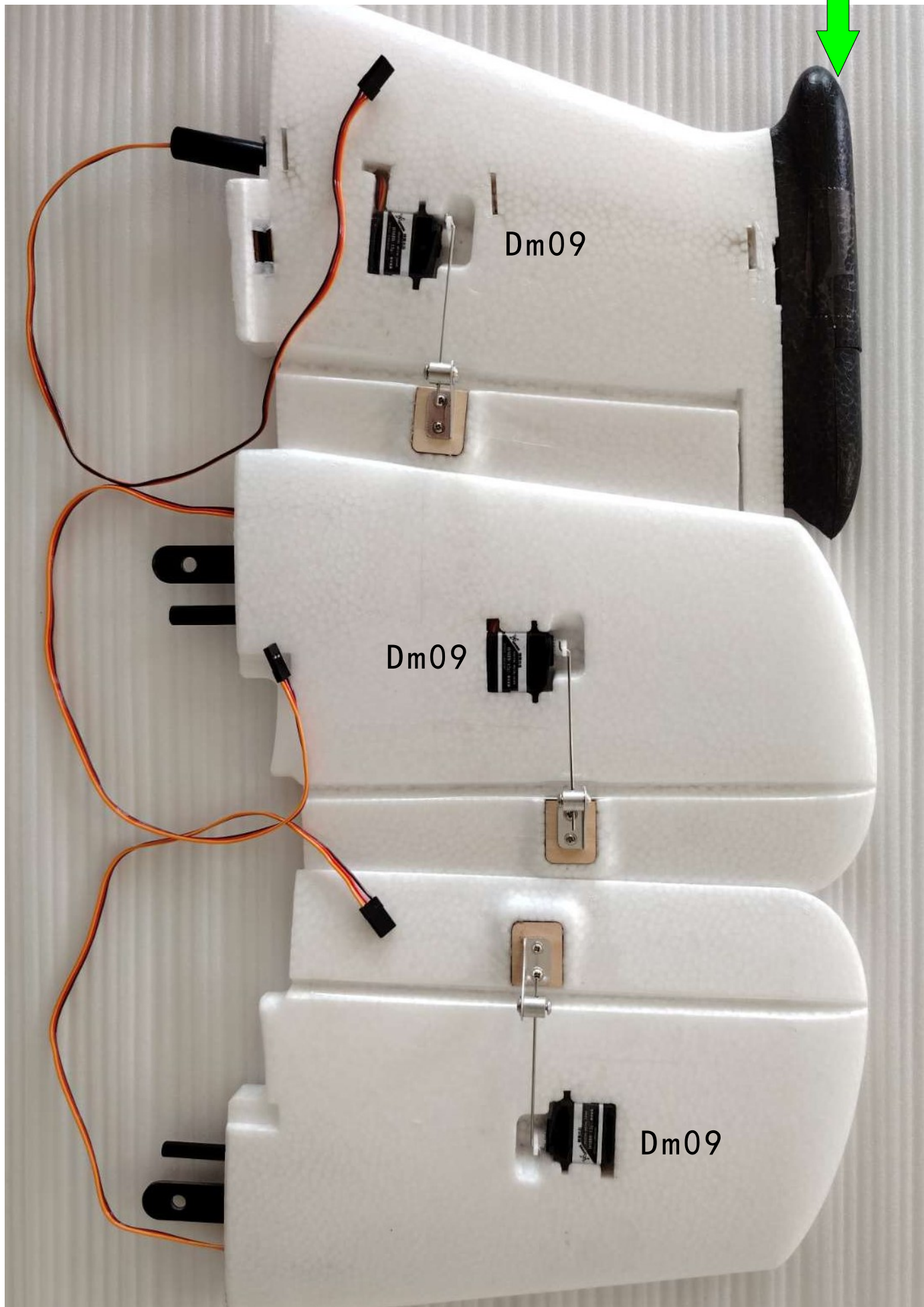
Wires through the carbon tube



Servo installation and control surface

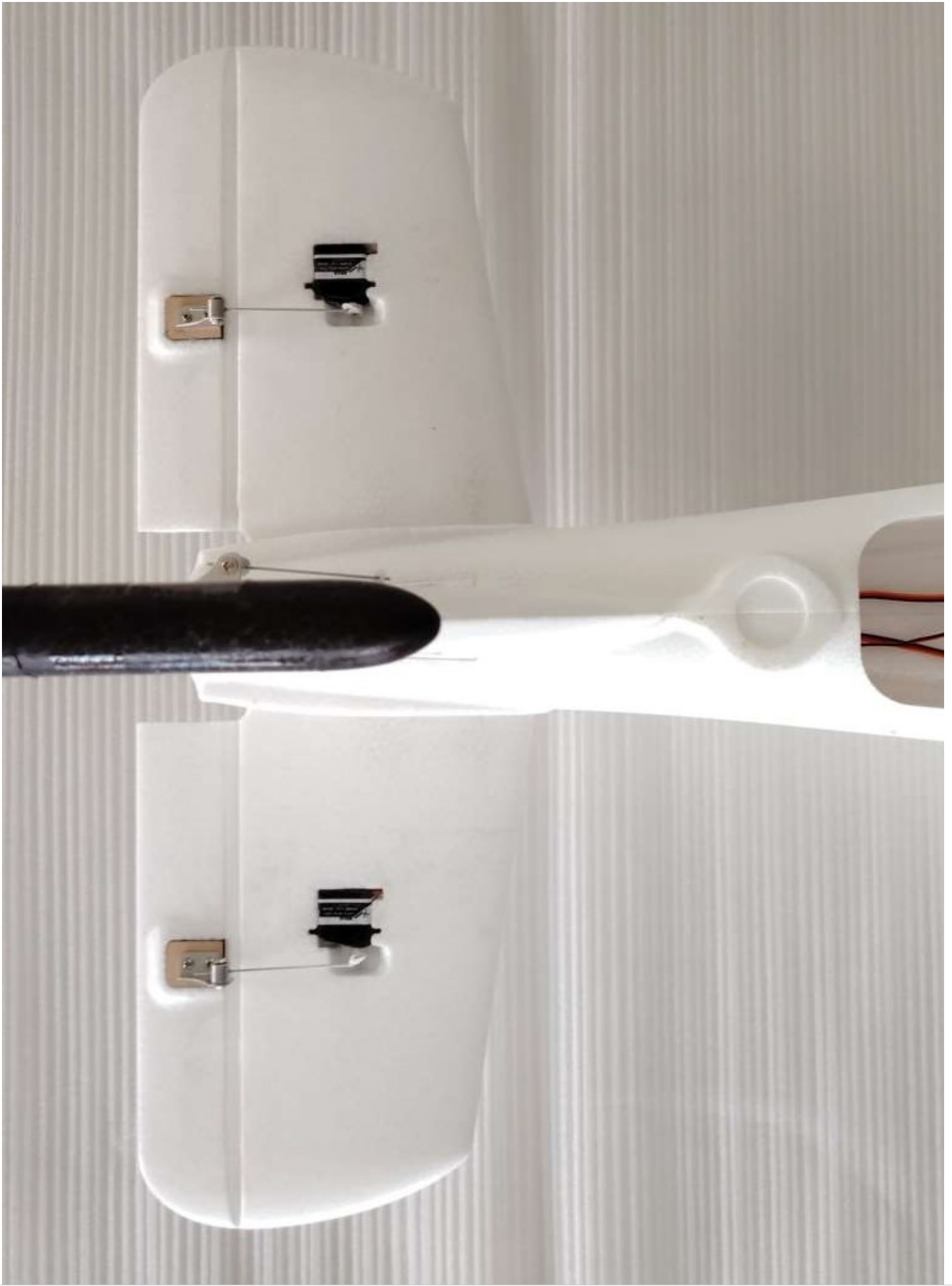
Black cover should be glued to it after airspeed tube installed but don't be too much glue! Because you may want to take it off in future for some purpose.

Completed as below

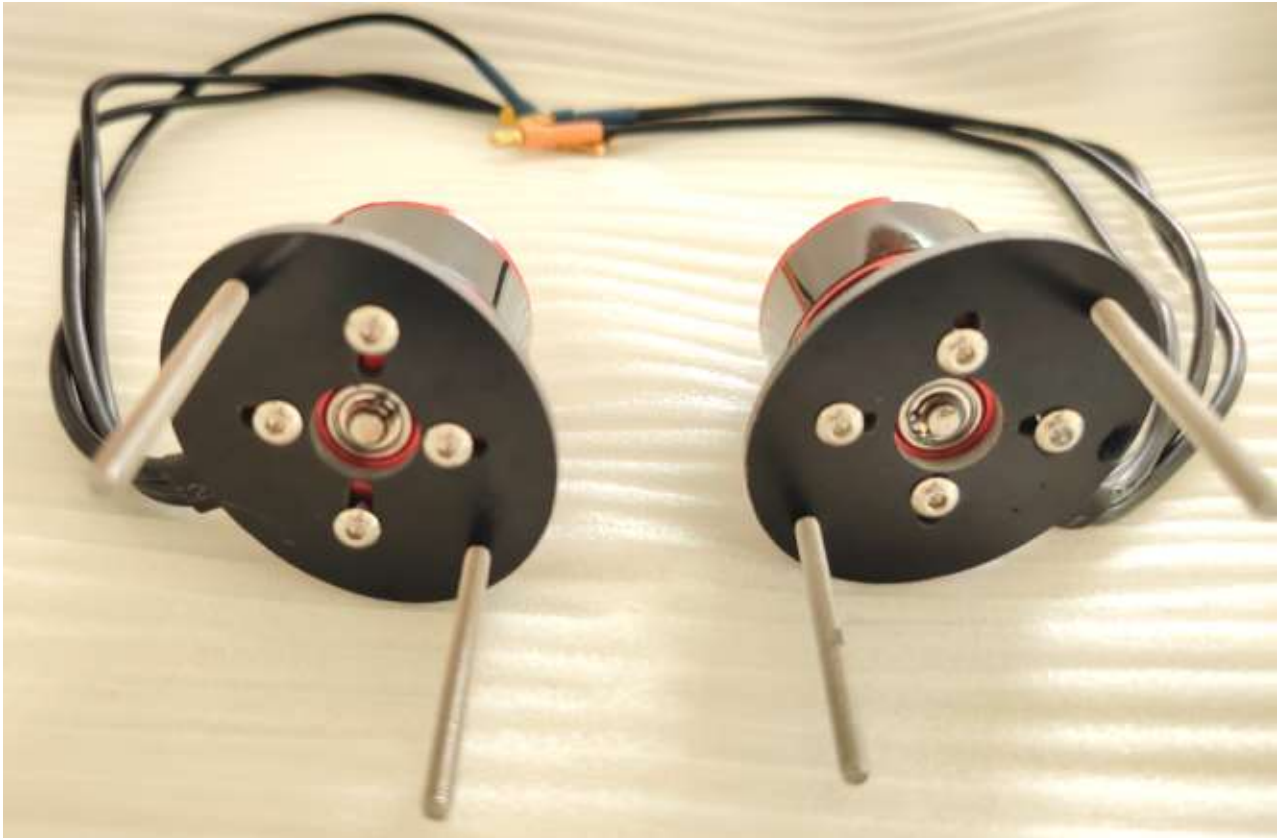


Servo installation and control surface

Horizontal wing (servo is on the top)



Motor ESC installation

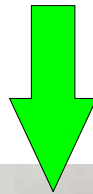


Cowling installation



Little glue to the cowling surface

Cowling



Motor ESC installation



Power electronic devices completed.



Cautions

Don't install propellers when ESC calibration
Don't install propellers until all ready to fly
otherwise it's very dangerous for accident!

