



# EV350

## BRIEF BUILD GUIDE

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# 01

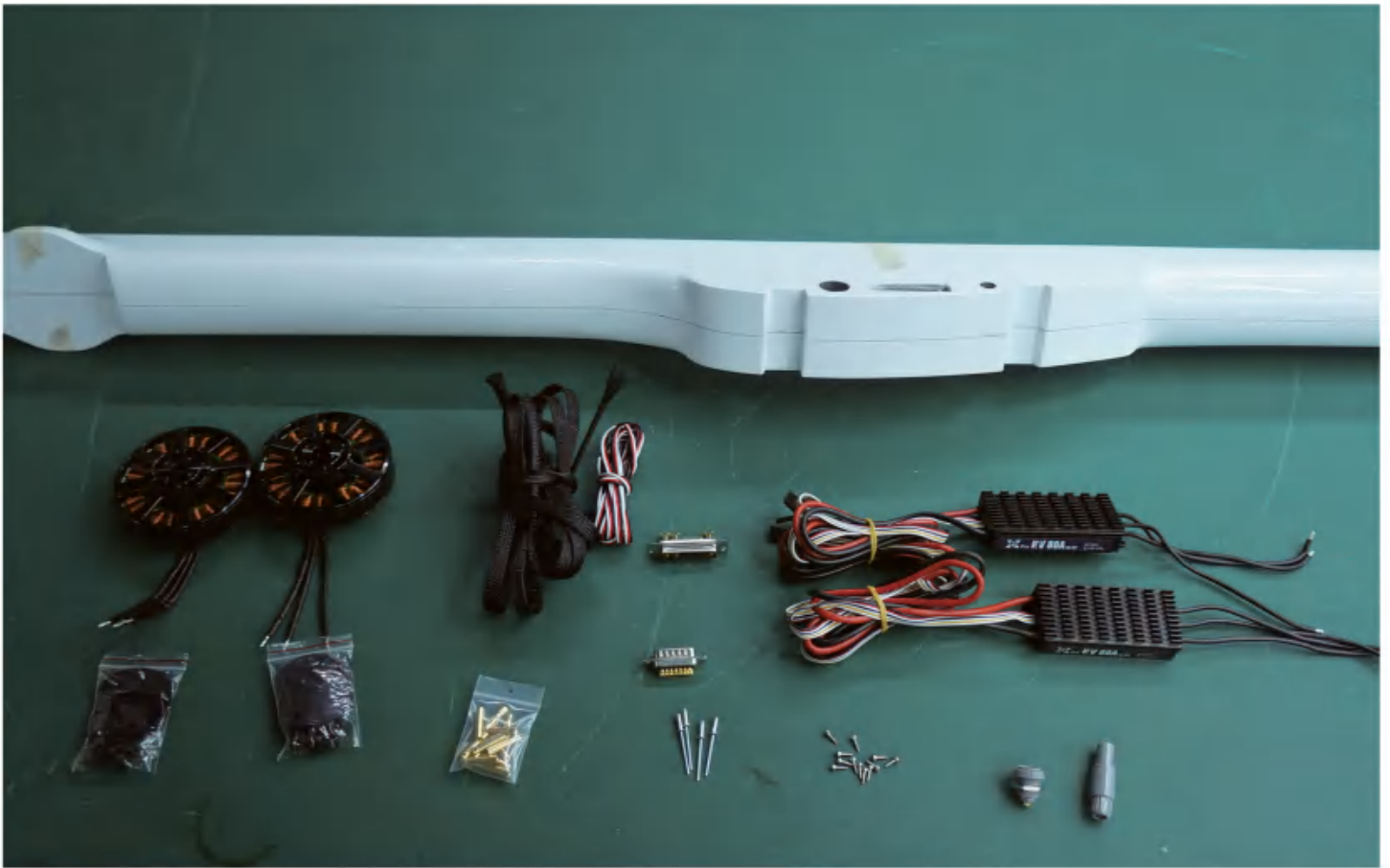
## 🕒 Airframe and Electronics



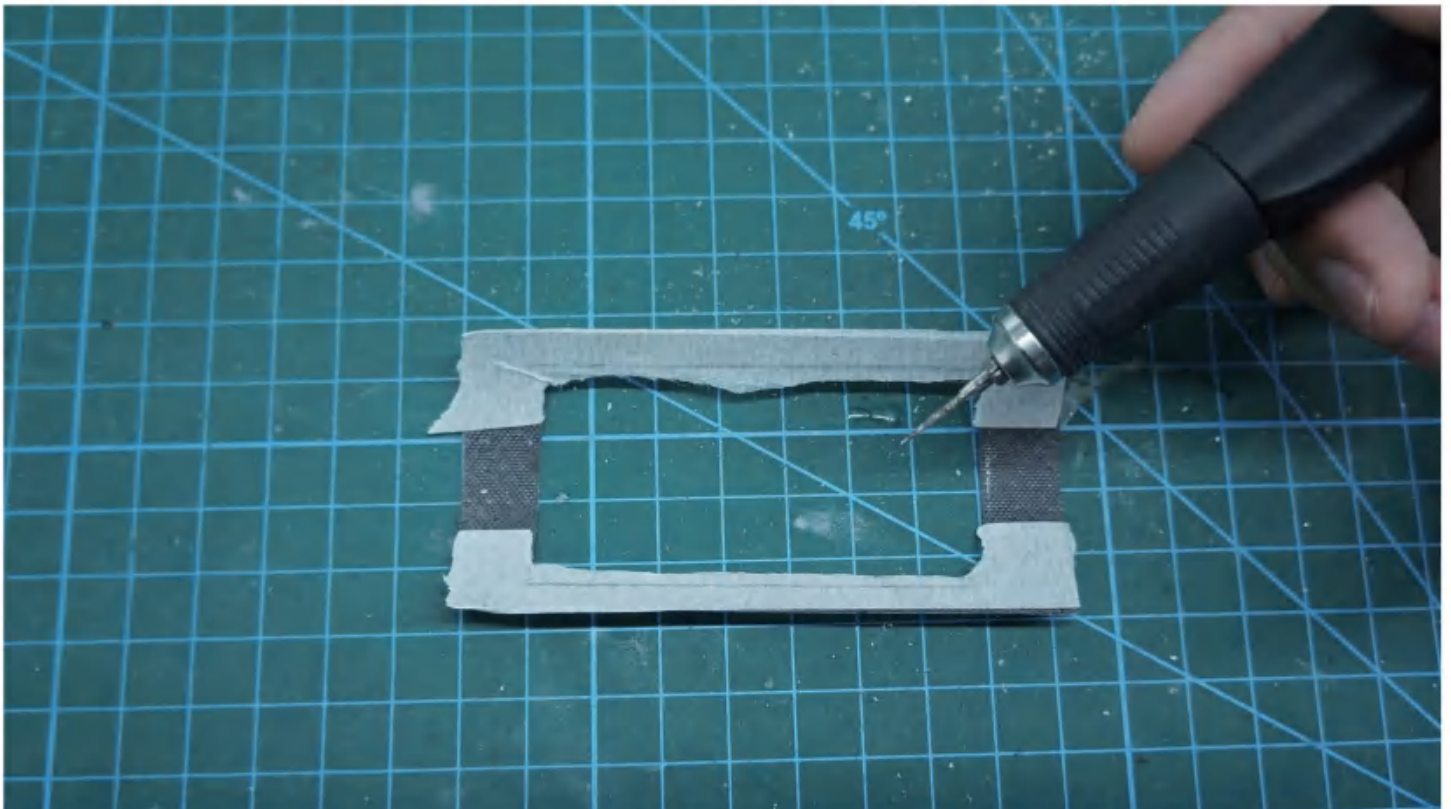
# 02

## 🕒 Installation of Boom Components





- 1 ► “ Holes for the motor bolts and ESC seat will need to be drilled/cut according to their size. ”



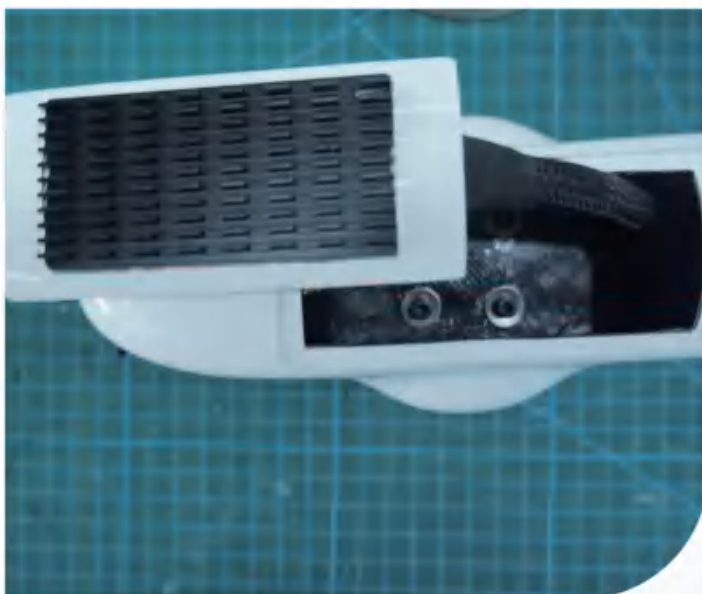
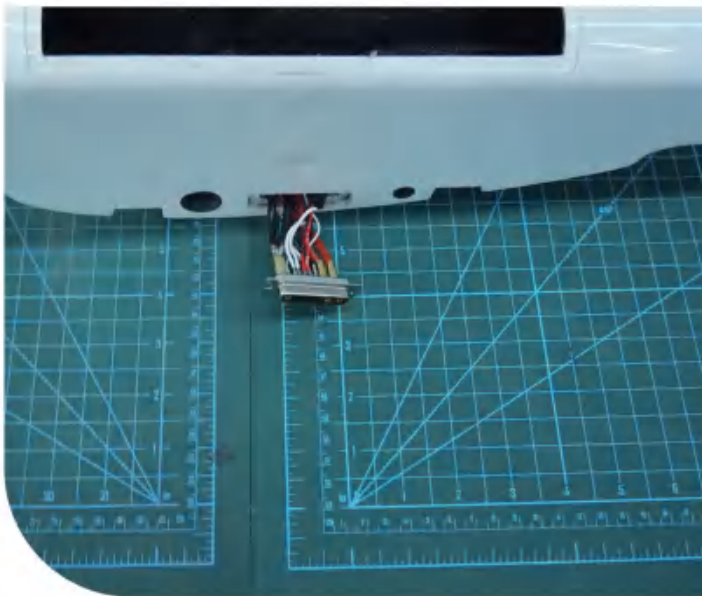




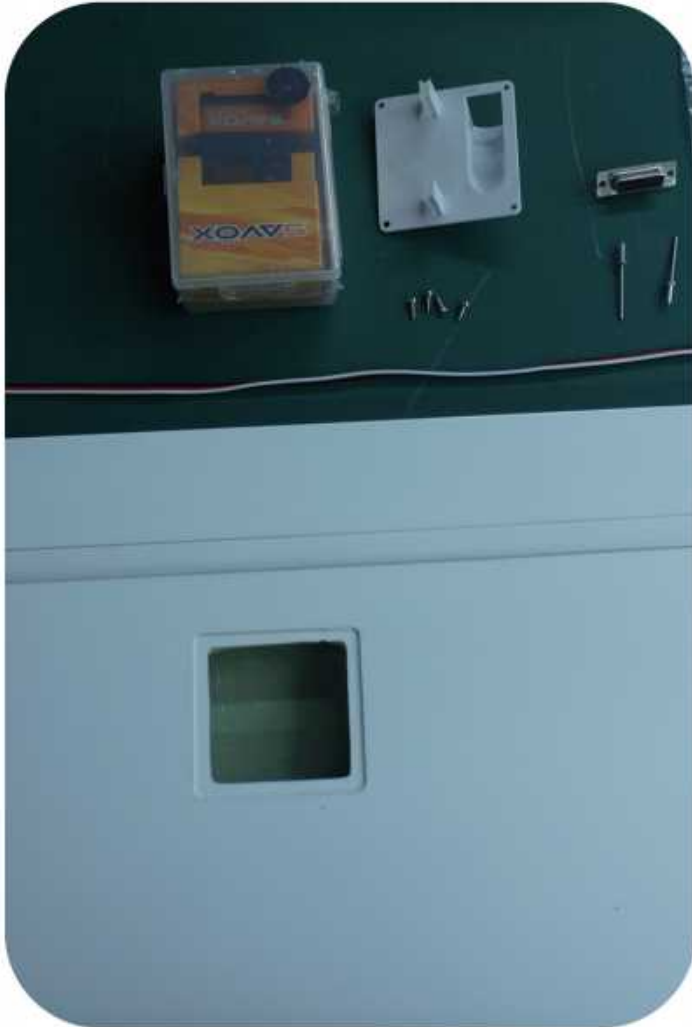
- 2 ➤ “ Install the wiring into the boom before soldering the components. ”

## Precautions

- ✓ First install heat shrink tubing.
- ✓ Take care to mark each function of the wiring.
- ✓ Ensure proper polarity for ground and power.
- ✓ Test functionality before finalizing installation.



## Aileron Installation



/1

Servo hardware will need to be drilled and prepared for placement.



/2

Install servo horn.

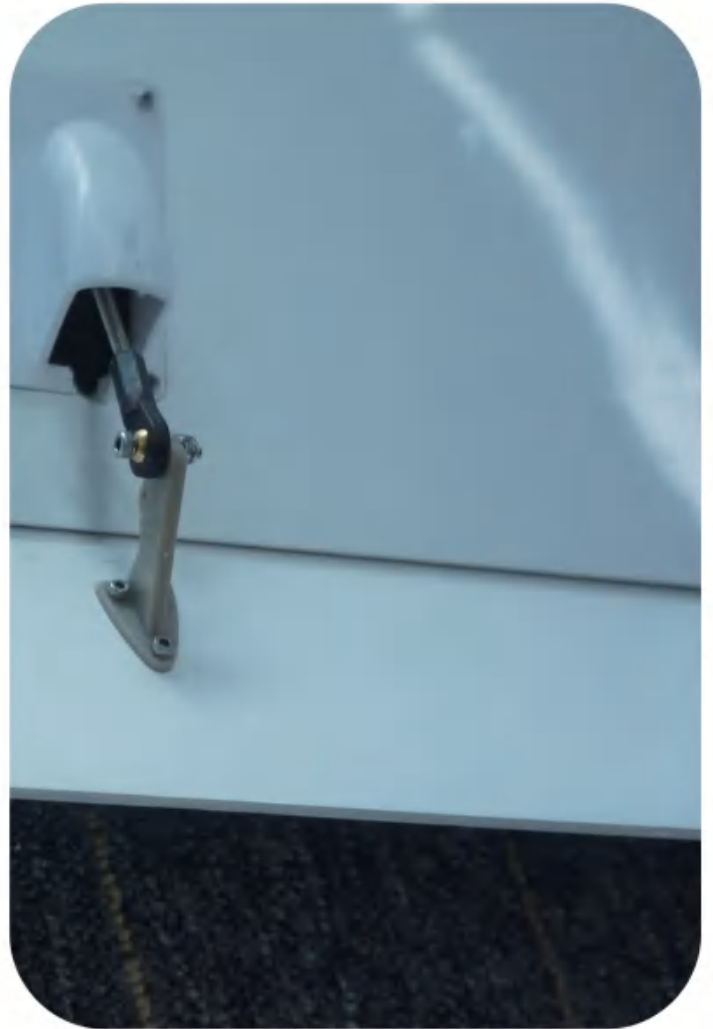






/3

Route wiring throughout the wing before soldering DSub connector.



/4

When soldering wires to DSub connectors take care to note function of each pin.



/5

Remember to diagram proper pin function before finishing.

/6

Finalize DSub placement by riveting in place.



## Rudder Installation



**1** Route wiring through rudder assembly before soldering to quick release.

**2** Install servo hardware.





**3** Pay attention to wire order/function before soldering.

**4** Install heat shrink before wiring to quick release.

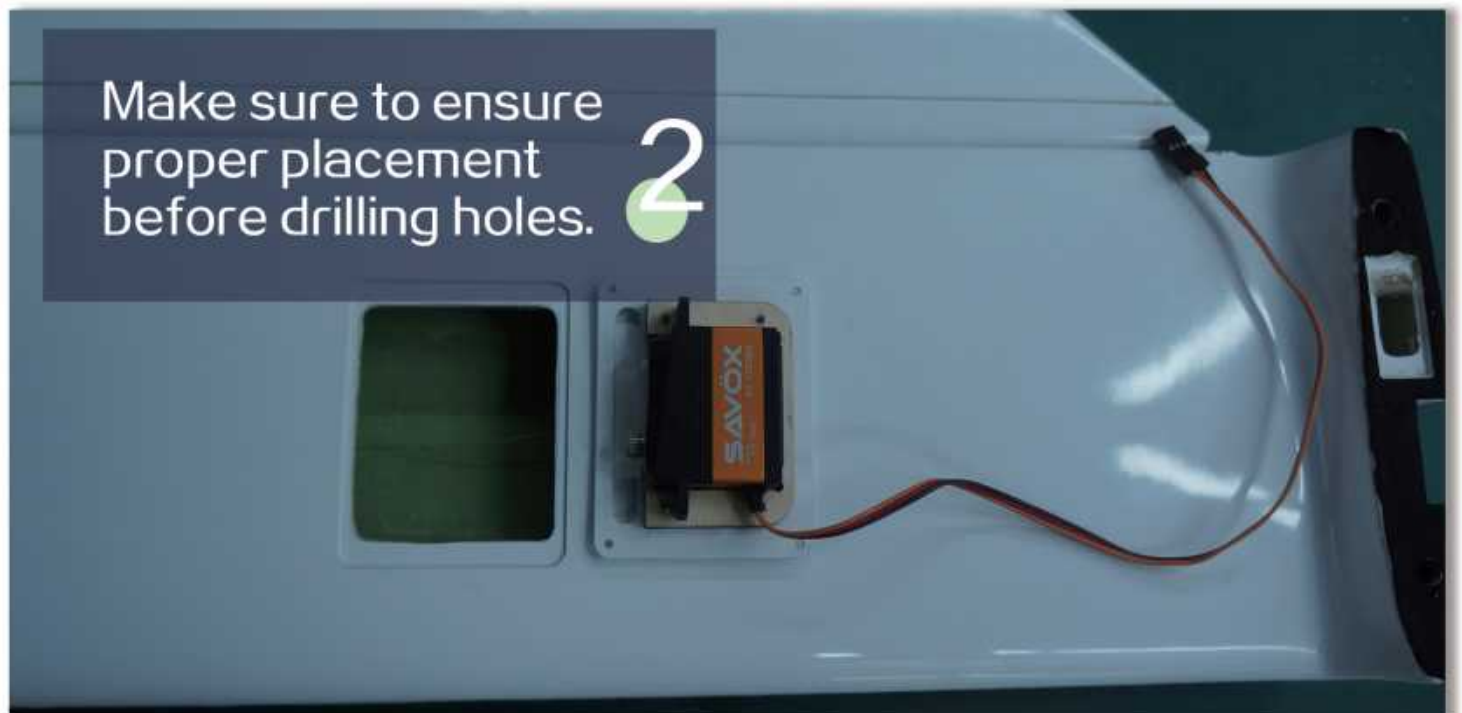


**5** Pay attention not to reverse polarize.

## Elevator Installation

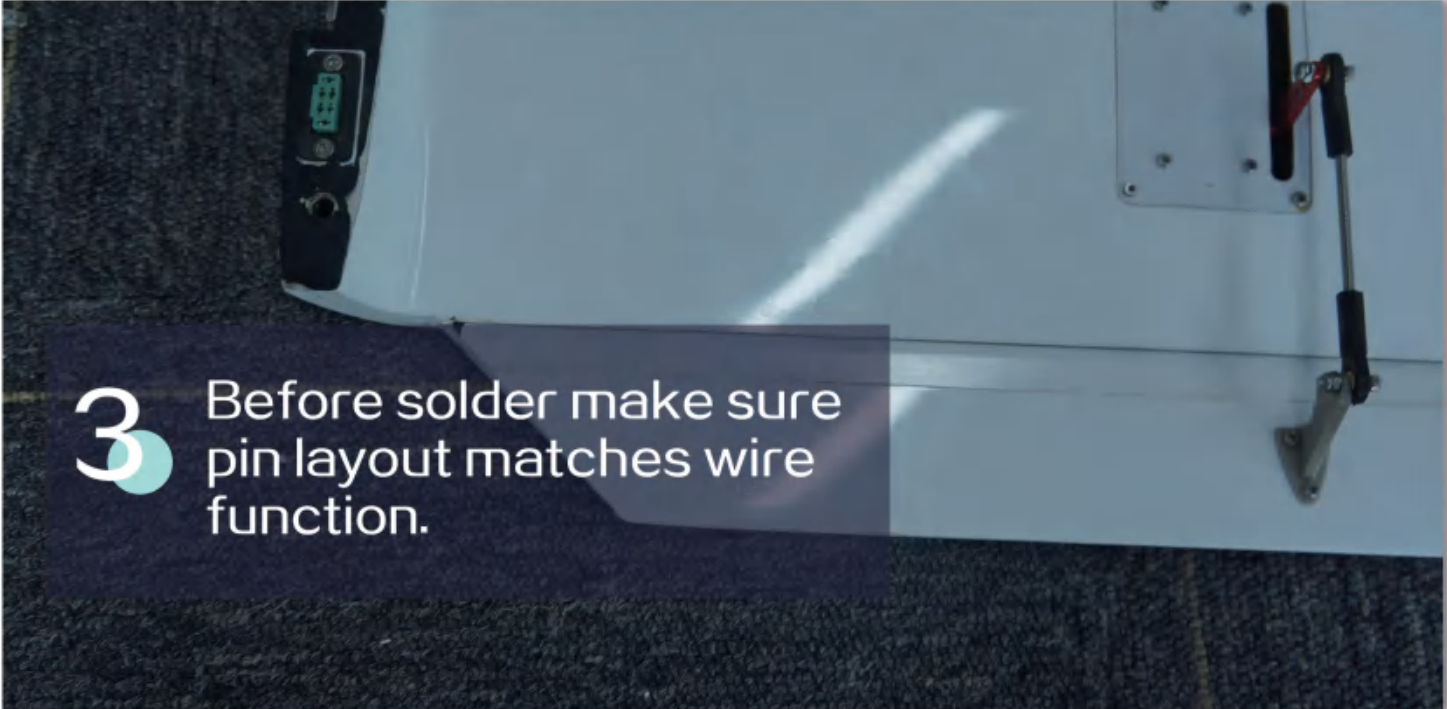


Intall servo hardware.

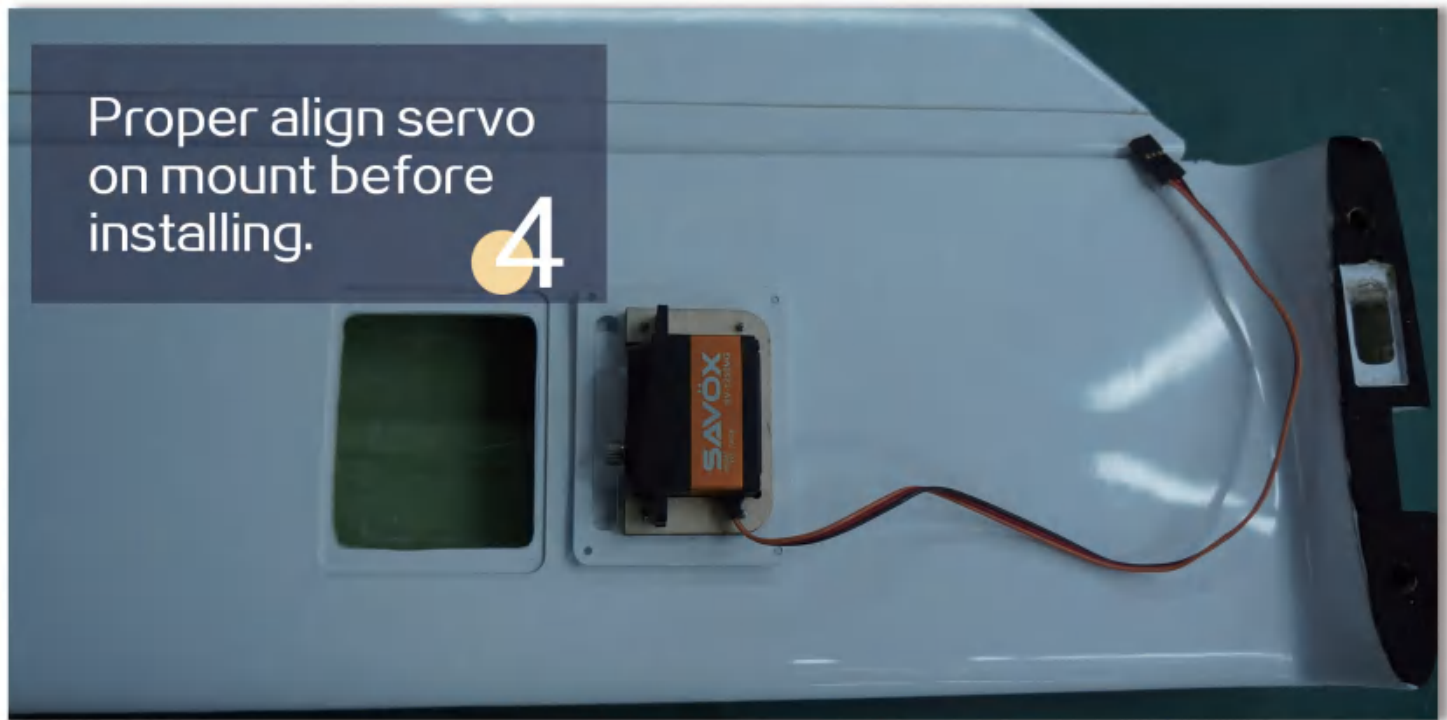


Make sure to ensure proper placement before drilling holes.





3 Before solder make sure pin layout matches wire function.



Proper align servo on mount before installing.

4

5 Before soldering to quick releases always make sure to pay attention to pin function.

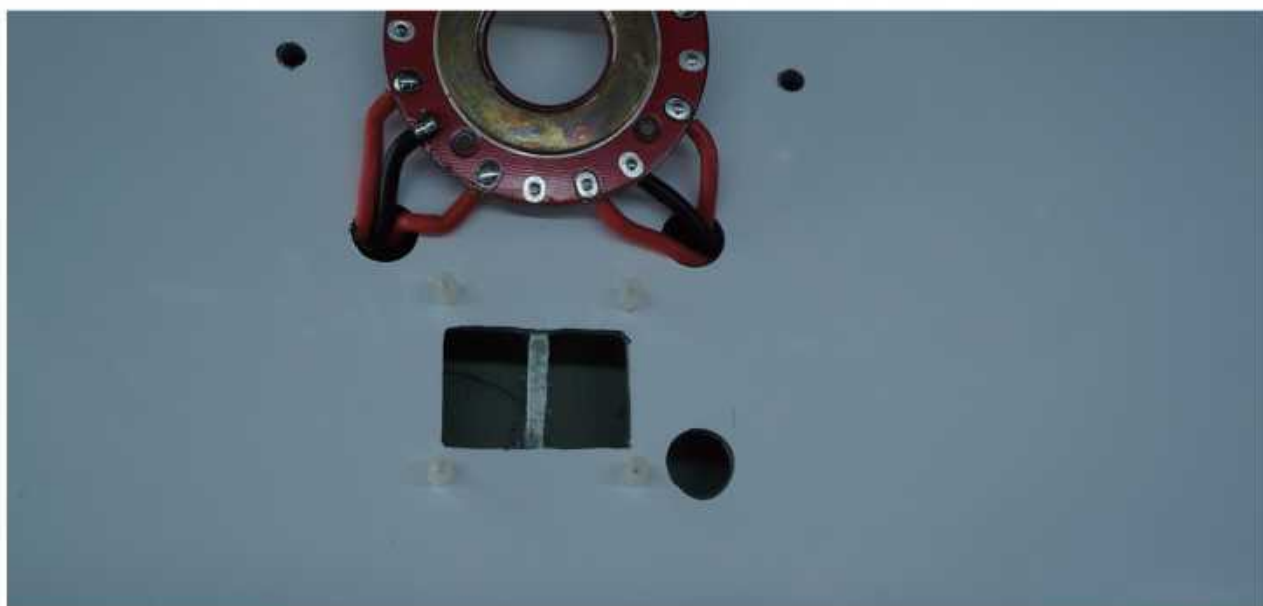


## Center Wing Installation

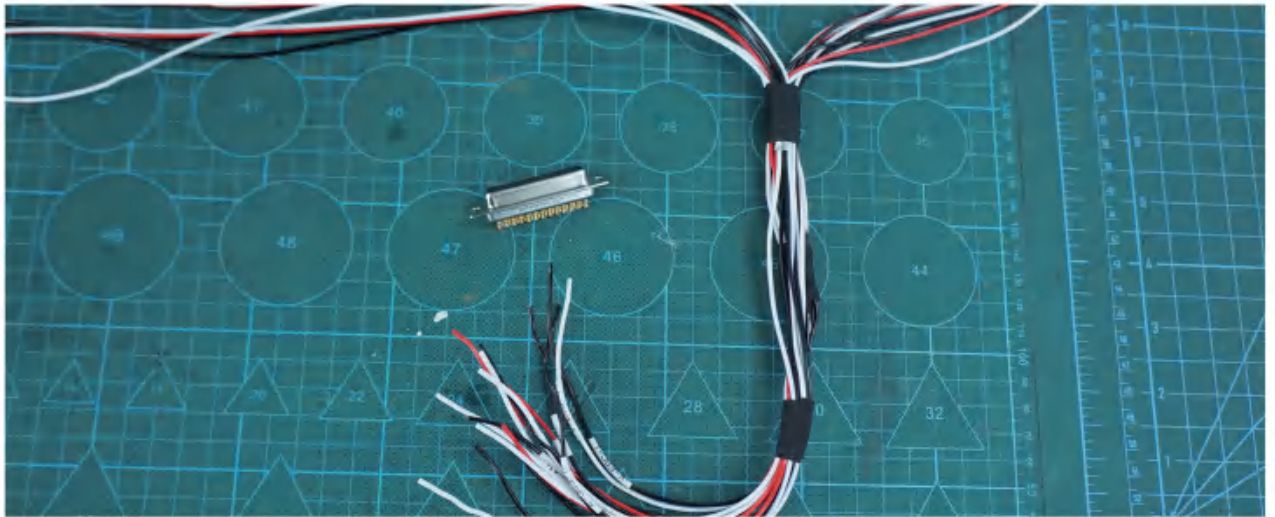
- STEP 1 Drill holes for routing wires and mount the power distribution board.



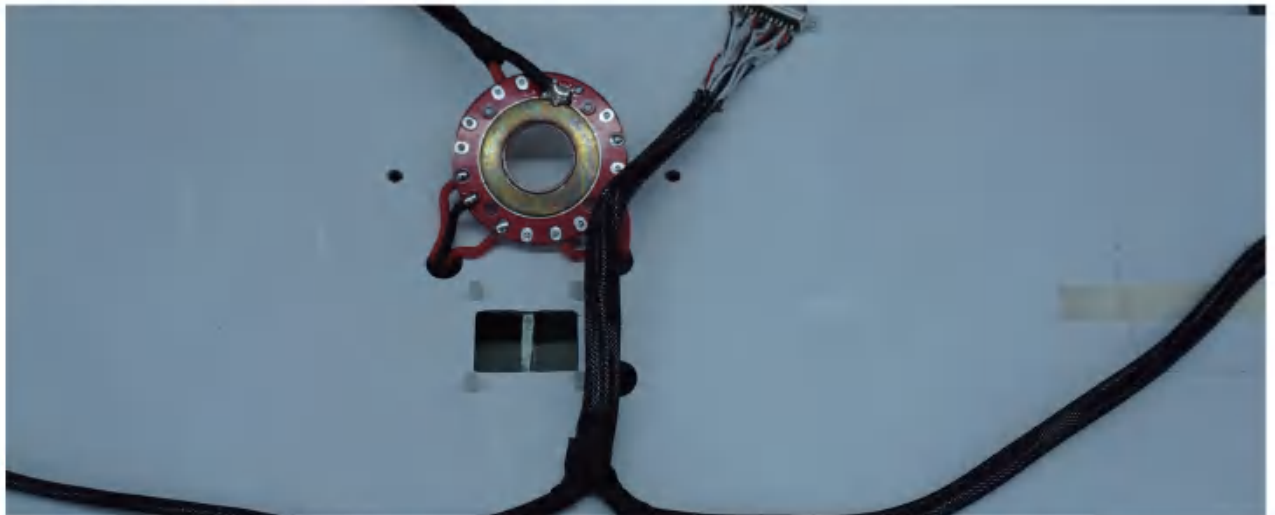
- STEP 2 Pay attention not to damage center structural rib support.



STEP 3 Mark the function of each wire before soldering to DSub connector.



STEP 4 Route the wiring through the center wing before soldering DSub connectors.



STEP 5 For a tidy appearance place heat shrink over wires before soldering to Dsub connectors.





STEP 6 Pay attention not to reverse the polarity of the positive and ground wires.



STEP 7 Verify proper wiring to Dsubs by checking with a multi meter before finalizing and installing Dsub connectors with rivets.





## Fuselage Installation

1

Motor, ESC, and Pitot Tubes will need to have holes drilled by the build team.



2

Before drilling holes mark proper position for all placements.



3

Tip: When drilling the hole for the pitot tube, place mount inside fuselage a drill from inside to the outside.



4

Attach pitot tubes screw on mount to the outside nose of the airframe.





5

Pay attention to proper wire connections and ensure not to reverse polarize esc.



6

Check for proper wire connection with a multi meter before finalizing the installations.



7

After installation is finalized test all wiring with a multi meter. Once wiring has been verified as being correct, connect power and calibrate ESCs.

