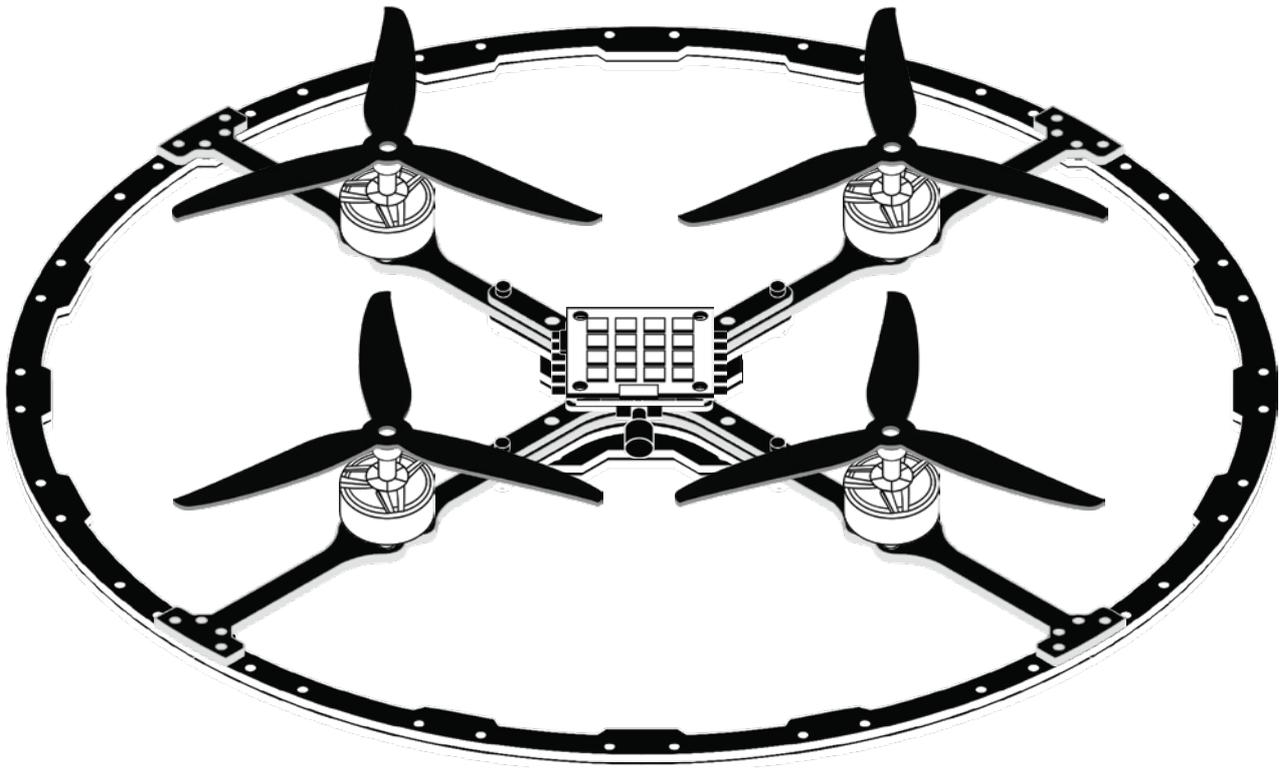


STRIKER V3

Assembly Manual



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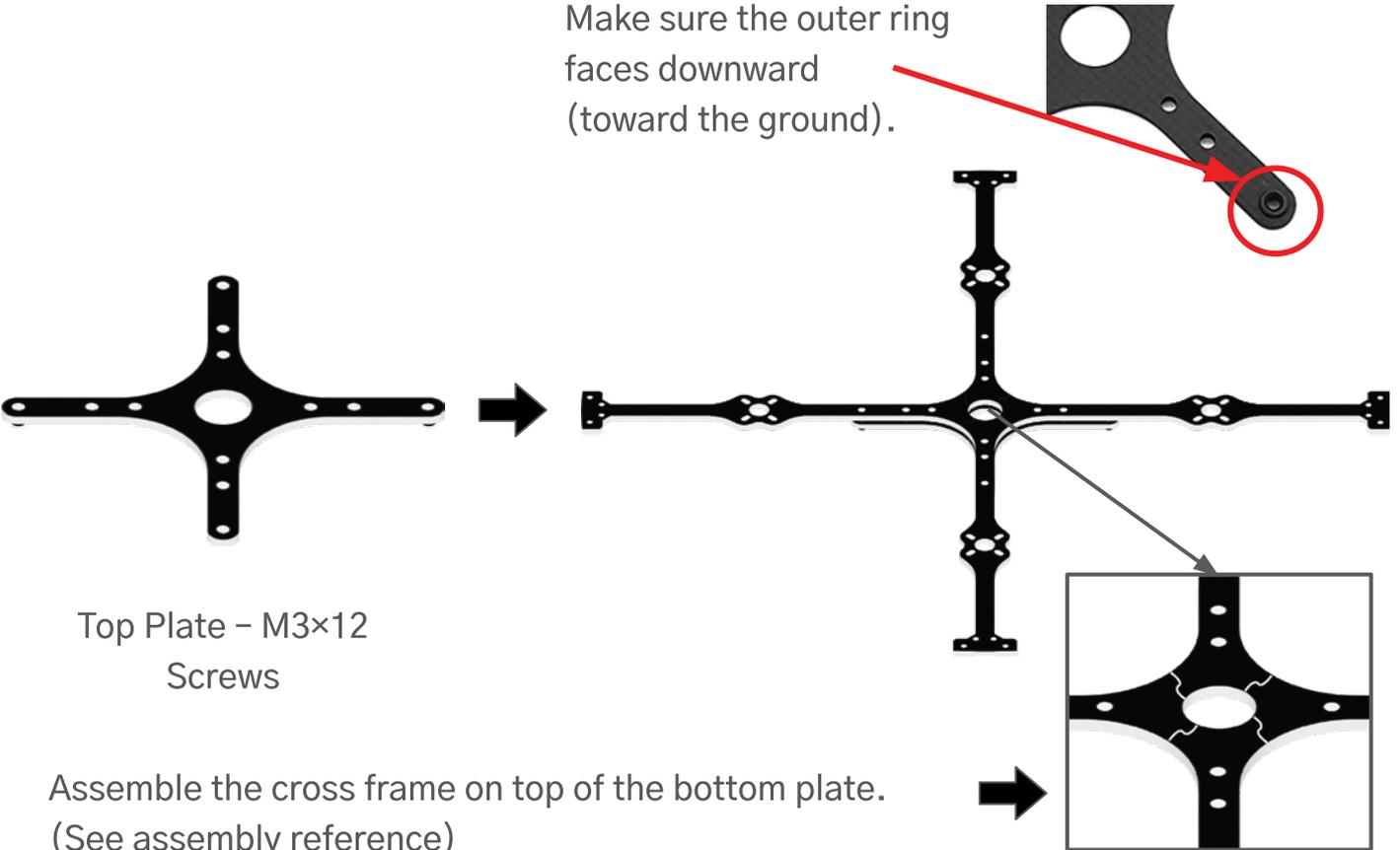
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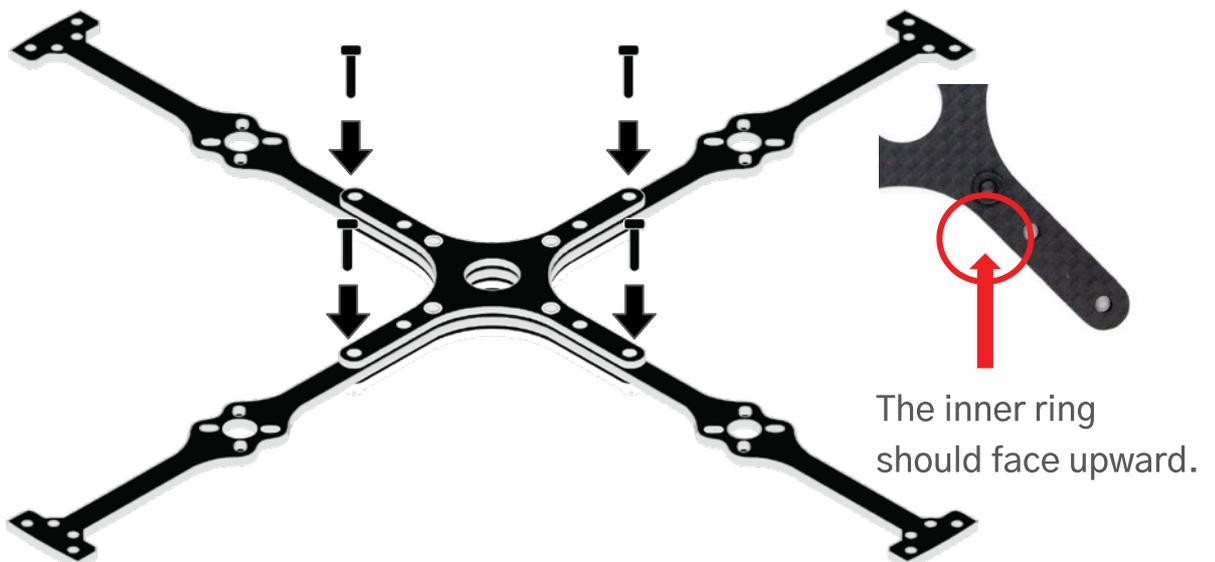
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STEP.01 Bottom Plate - Cross Frame Assembly

Make sure the outer ring faces downward (toward the ground).



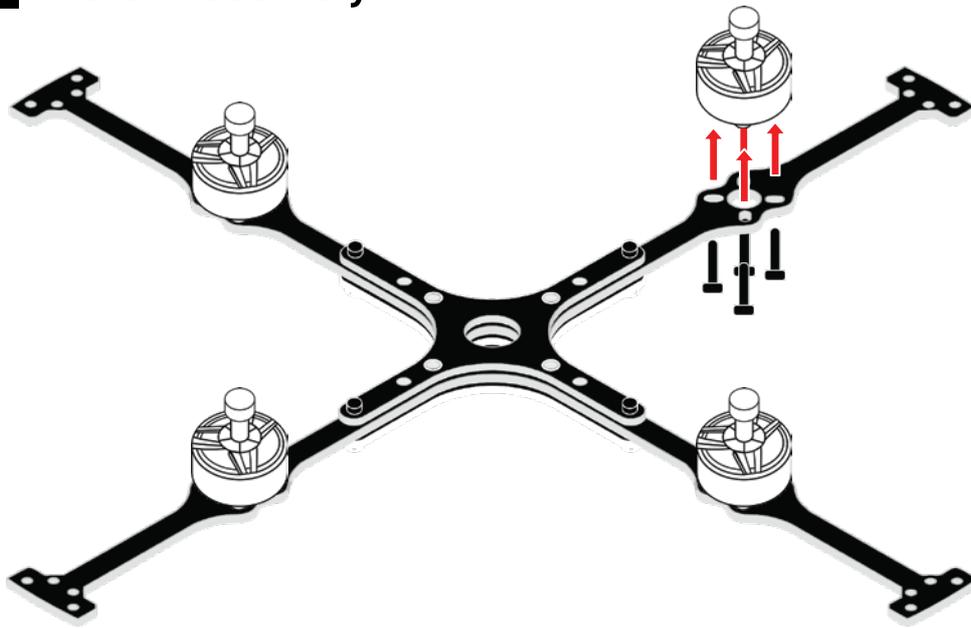
STEP.02 Top Plate - M3×12 Screws



After assembling the top plate, use four M3×12 screws to secure the marked areas in the direction of the arrows.

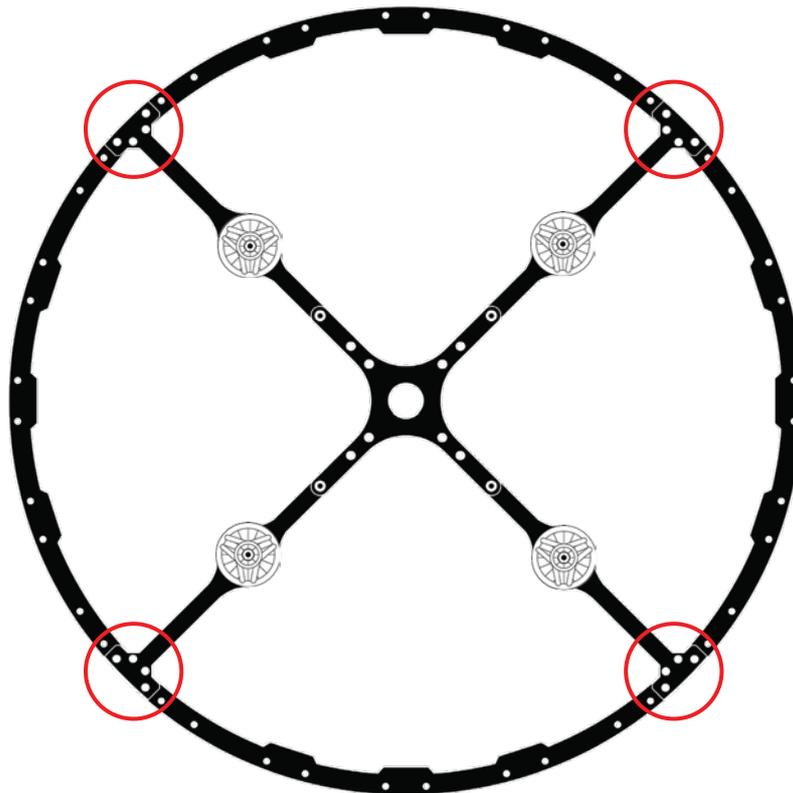
(Make sure the top plate is facing the correct direction.)

STEP.03 Motor Assembly



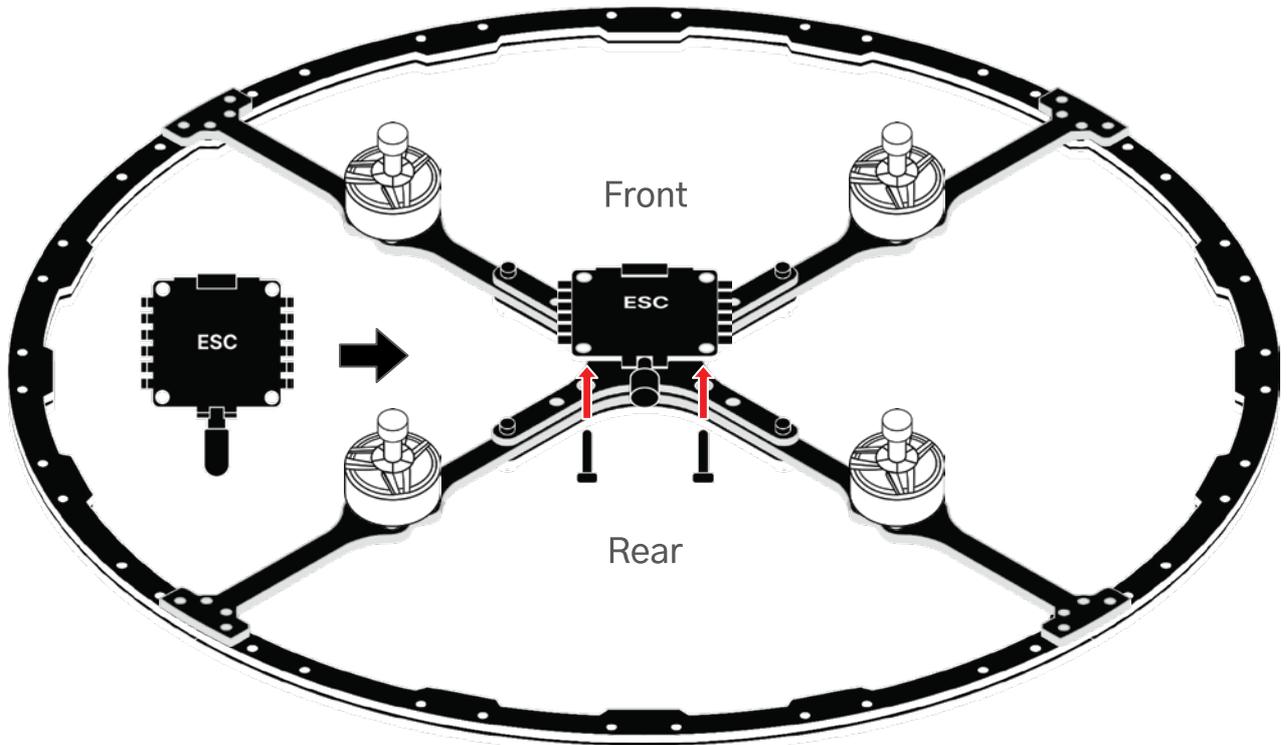
Attach the motors to the cross frame using 18 M3×8 screws.
 (Make sure the motor cables are positioned toward the center of the frame.)

STEP.04 Side Frame Assembly



Place the side frames as shown in the diagram,
 then use 16 M3×12 screws to secure them from top to bottom.

STEP.05 ESC Installation



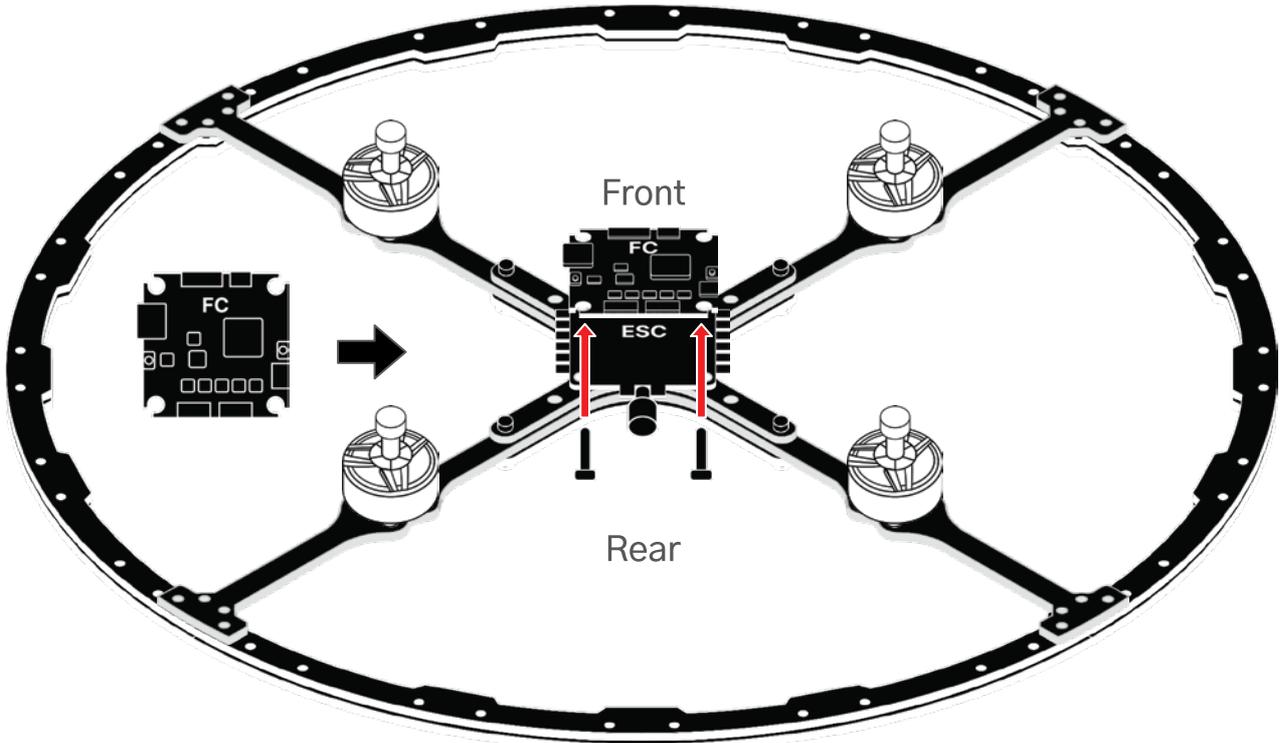
Install four M3×35 Phillips screws on the bottom of the bottom plate (front and rear). Then, mount the ESCs onto the protruding screw ends. Use rubber dampers to prevent the bottom of the ESC from touching the frame.

STEP.06 Motor Connection



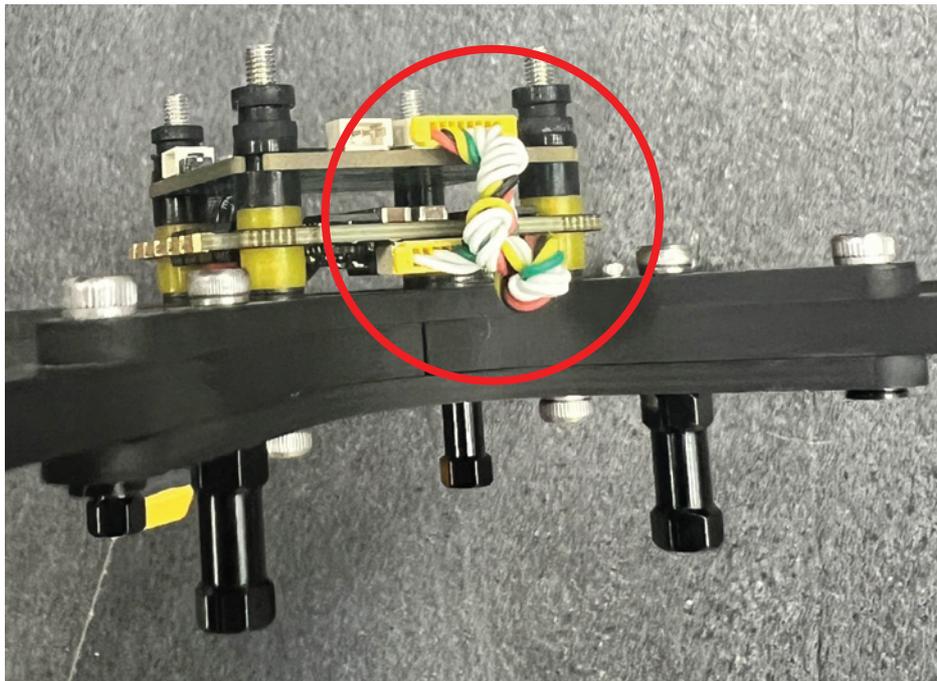
Connect the motor cables to the three-colored ESC cables. Make sure to match the colors correctly when connecting the motor and ESC wires.

STEP.07 FC Installation



Mount the FC (Flight Controller) onto the bolts protruding from the ESC.
 (Use rubber dampers to prevent the bottom of the FC from touching the ESC.)

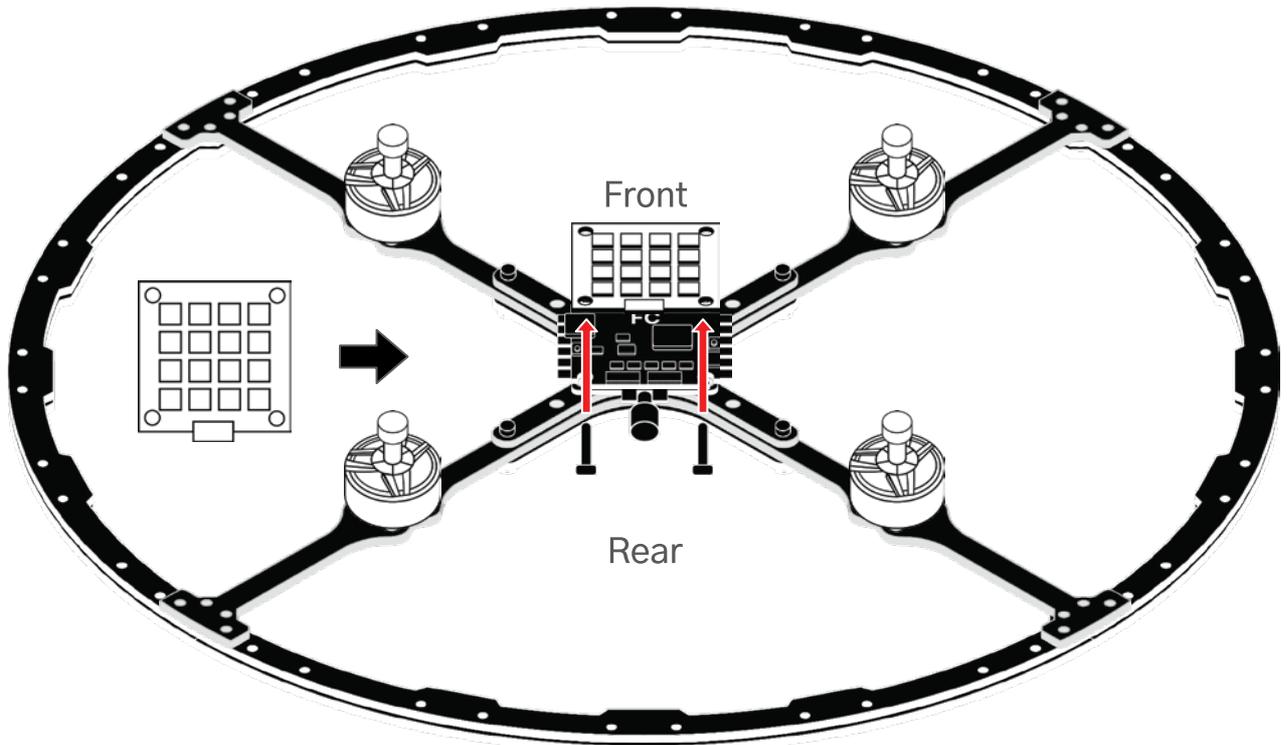
STEP.08 FC to ESC Cable Connection



Twist the FC to ESC cable several times to reduce noise, then connect it to the FC and ESC connectors.

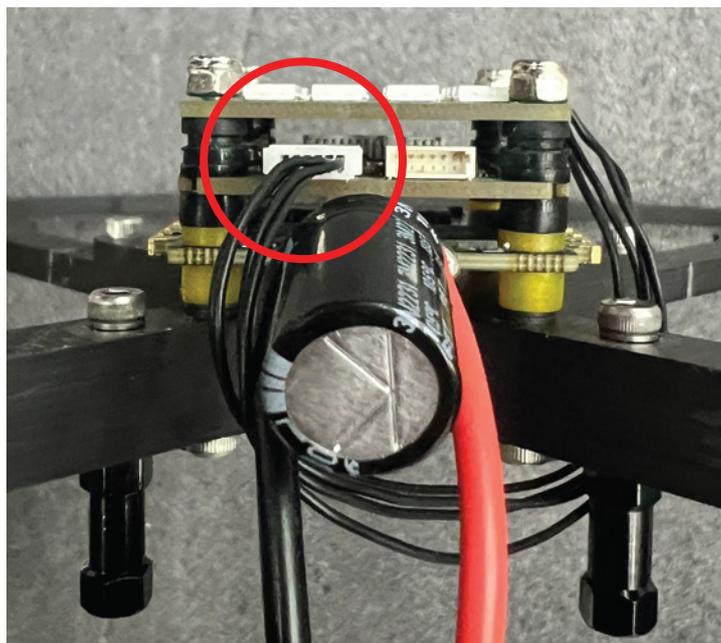
! Make sure the connector orientation is correct (top and bottom) before plugging in.

STEP.09 Position LED Installation



Install rubber dampers onto the bolts protruding from the FC, then attach and secure the Position LED.

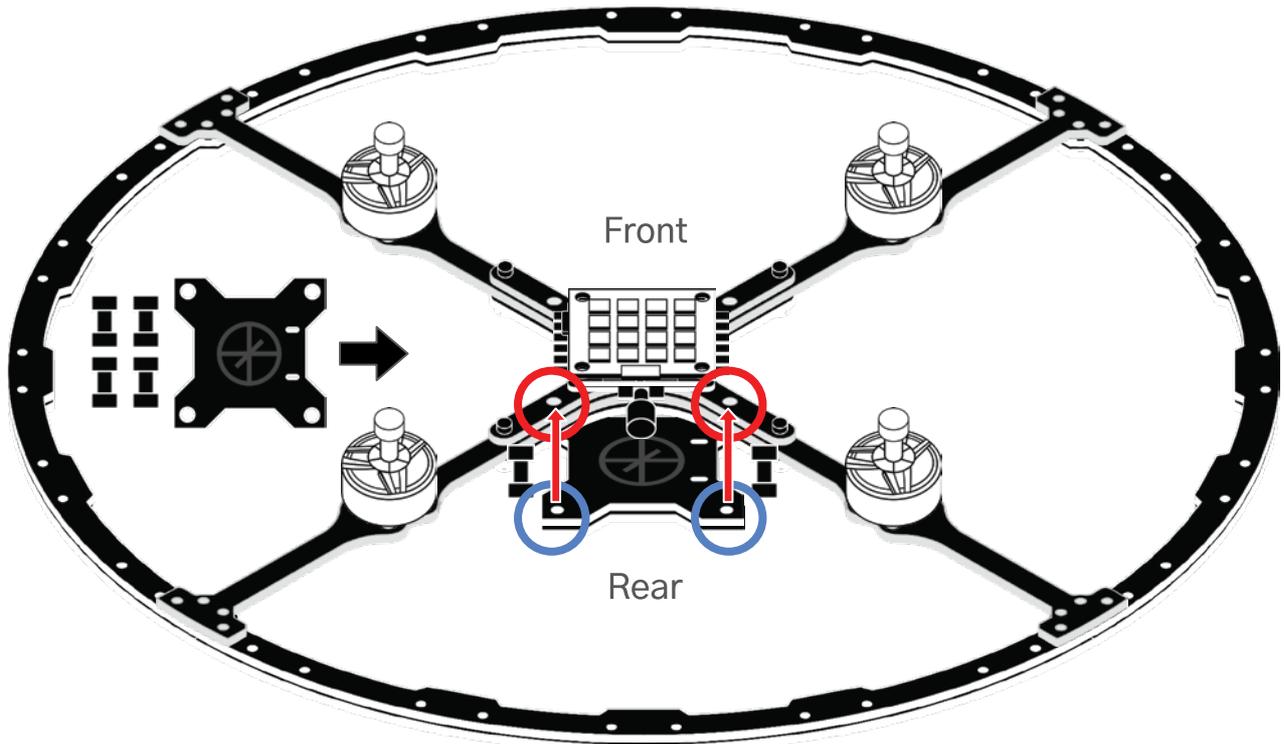
STEP.10 Position LED Cable Connection



Connect the Position LED cable to the left connector labeled “Pos. LED” on the rear side of the FC.

⚠ Make sure the connector is facing the correct direction (top and bottom) before plugging in.

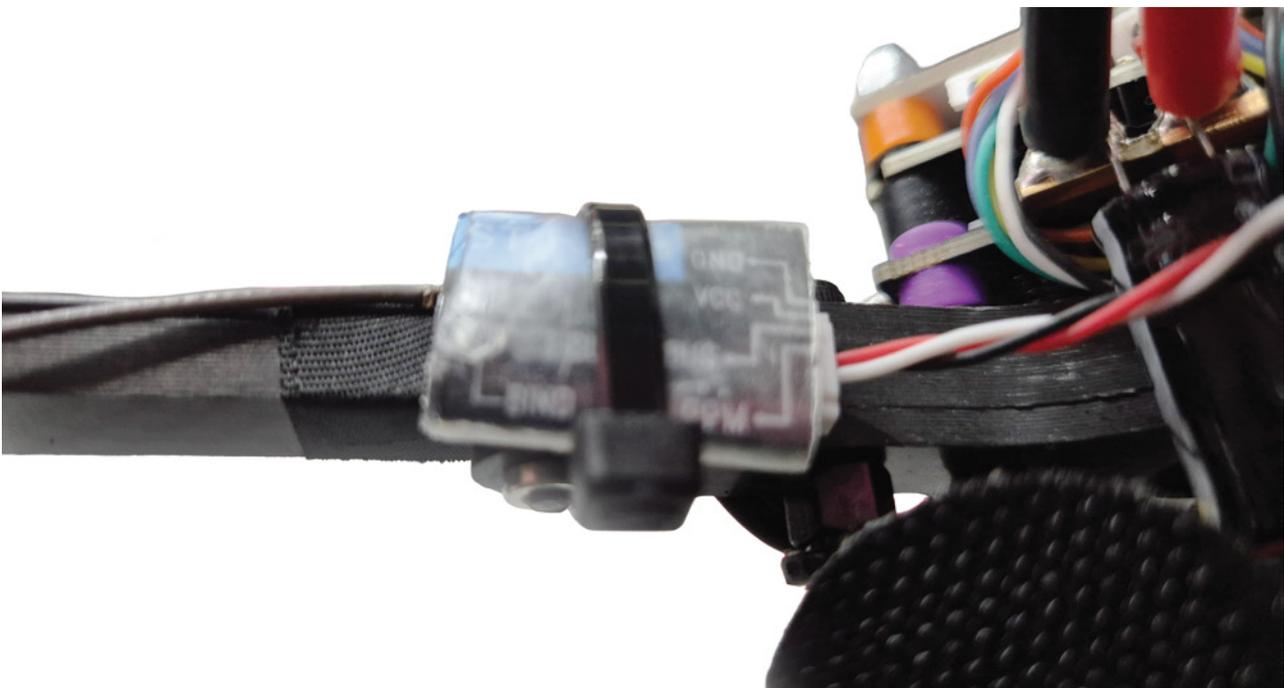
STEP.11 Battery Tray Assembly



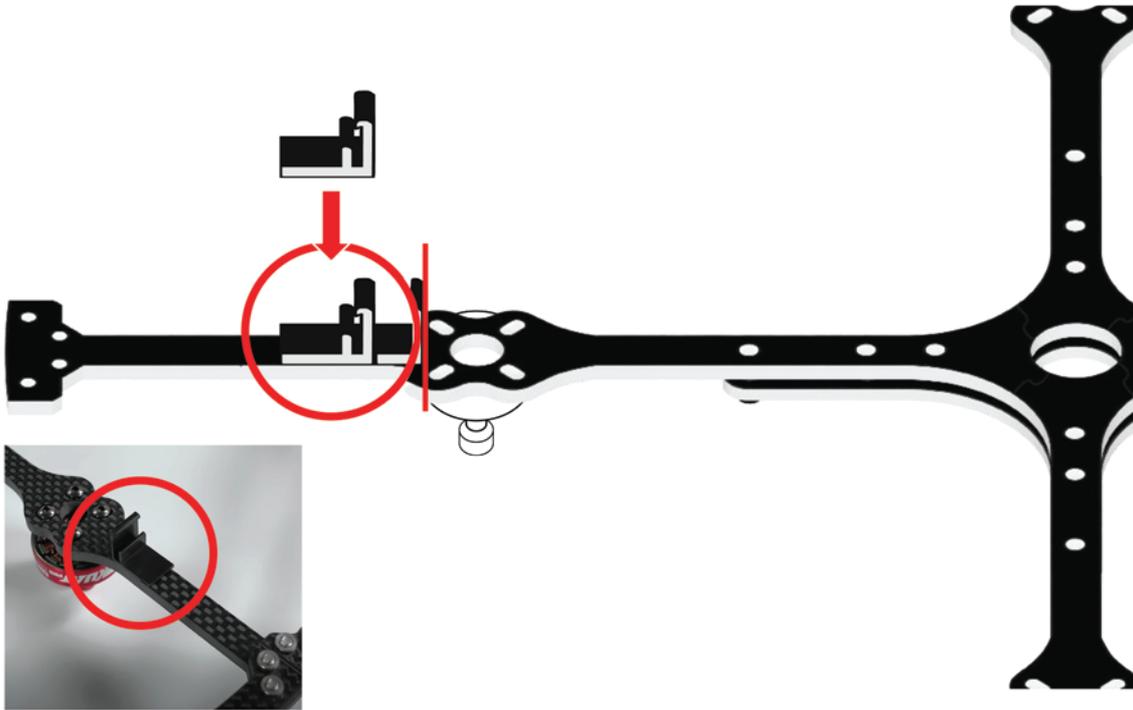
Attach the battery tray support and battery tray to the bottom of the bottom plate.

- Top: Use four M3×14 screws
- Bottom: Use four M3×8 flat head screws

※ Mount the receiver on the inner side of the arm.

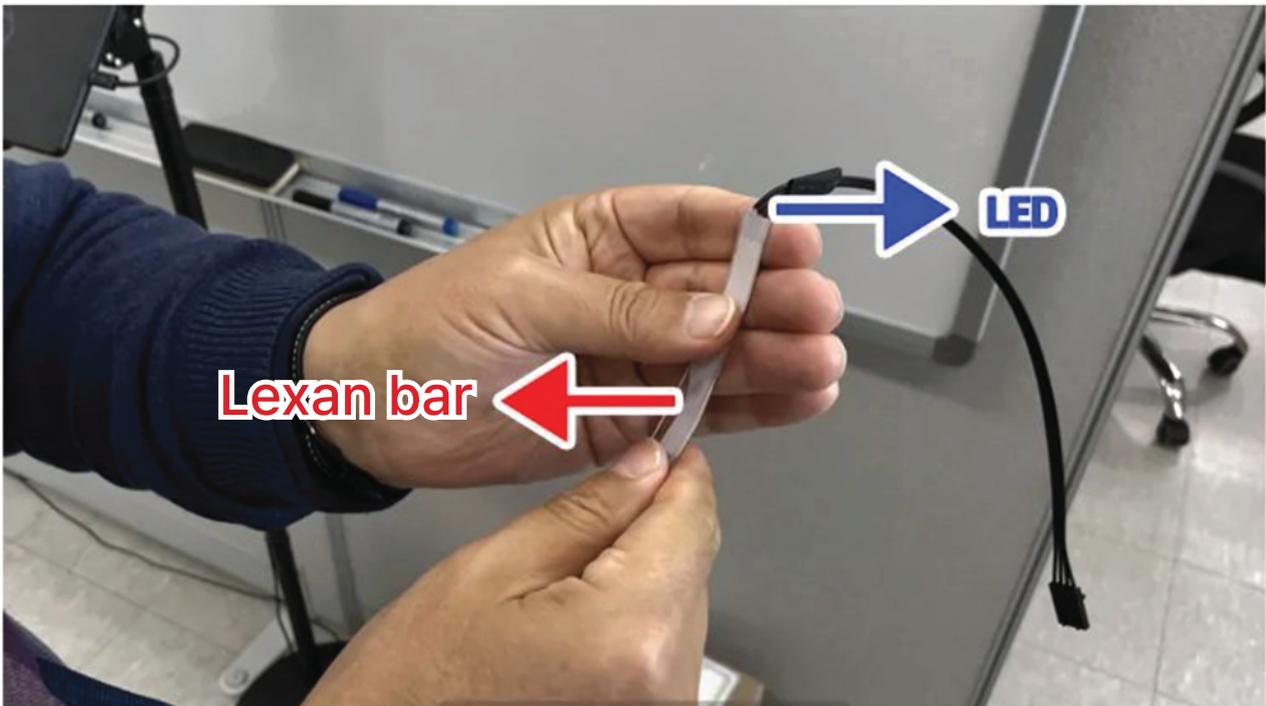


STEP.12 Attach Line LED Mount Support



Attach the line LED supports to each of the four motor arms, leaving a one-support-width gap from the outer edge of the motor mounting screws.

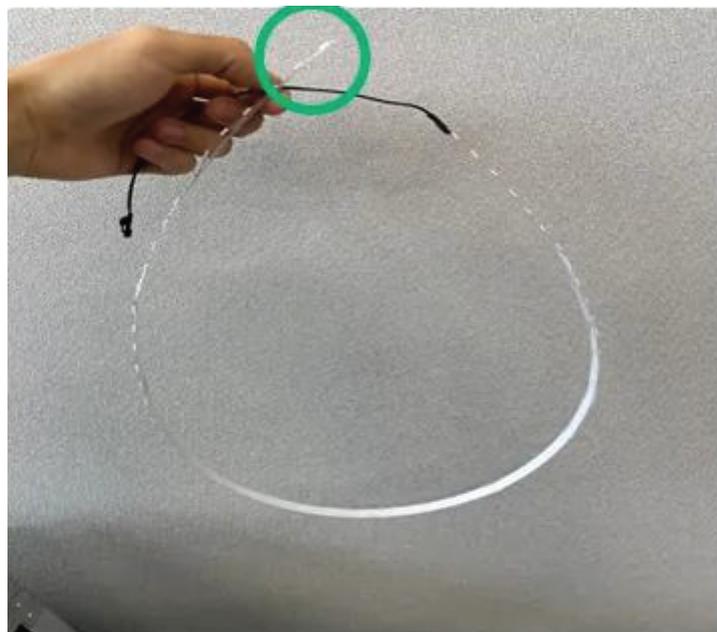
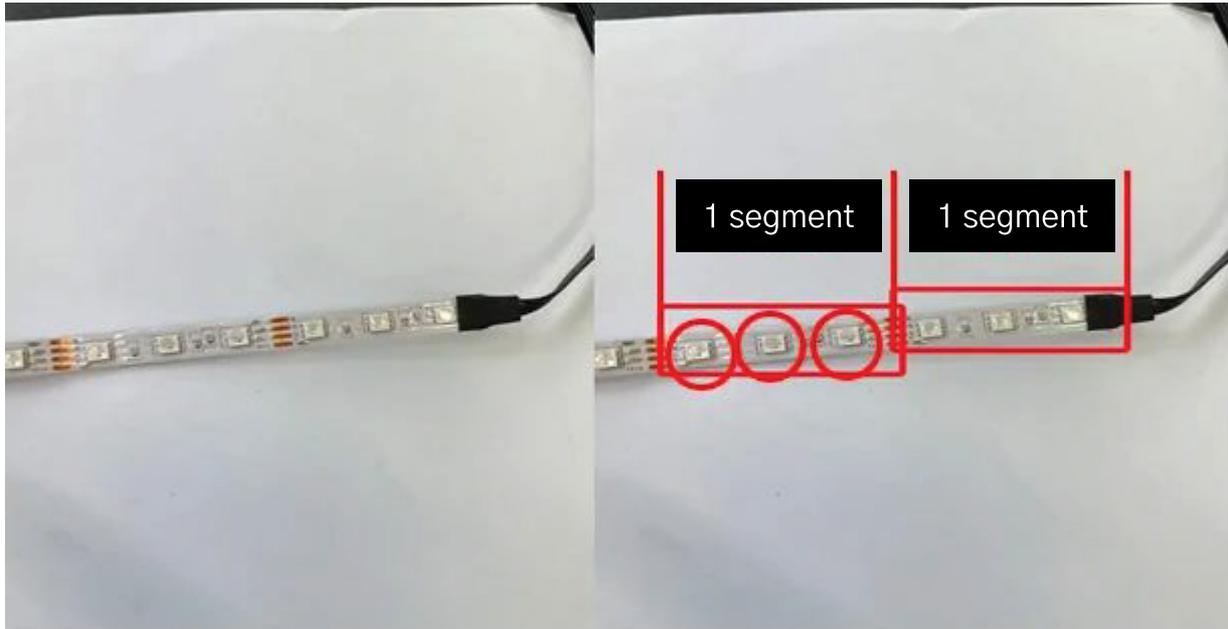
STEP.13 Attach Line LED Lexan Bar



Mount the included 1M Lexan bar and Team LED onto the supports.

⚠ Note: The Lexan bar may be slightly curved when unpacked. Make sure to attach the LED strip to the outer side of the curve.

STEP.14 Measure Line LED Length

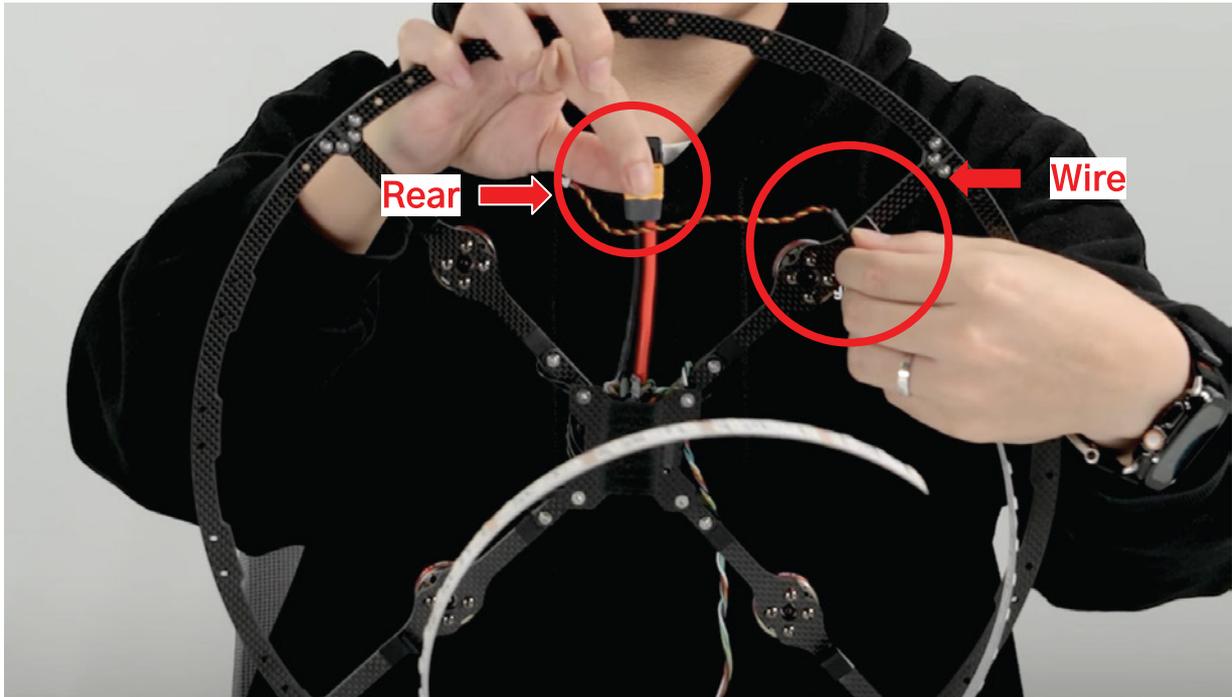


Be sure to attach the **Lexan bar** and **Team LED** first, then cut the remaining part. When correctly attached, approximately **17-19 units** will remain at the end.

* **Caution: Cutting before attachment may result in insufficient length.**

⚠ **Do not** cut the connector side. Always cut from the opposite end.
1 segment = 3 LEDs

STEP.15 Connect LED Support with Line LED



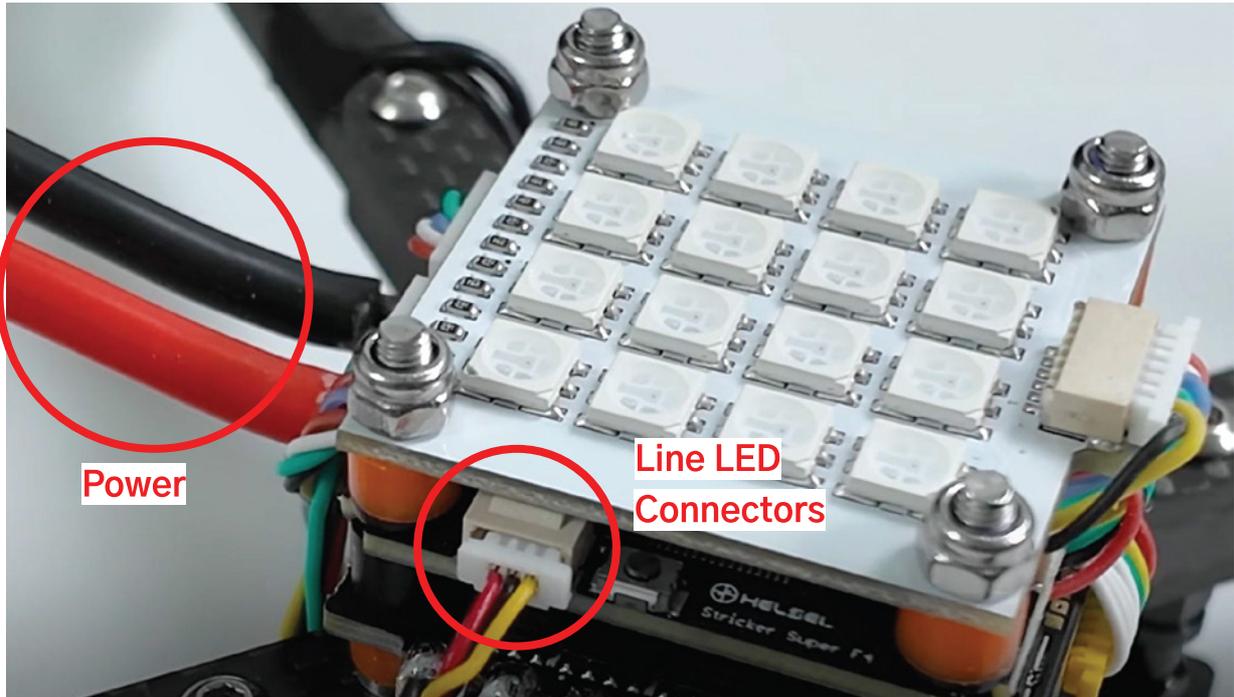
Attach the LED to the support with the wire side facing the rear of the drone.

⚠ Make sure the power cable is facing upward, and the part with the heat shrink tube goes inside the mount.



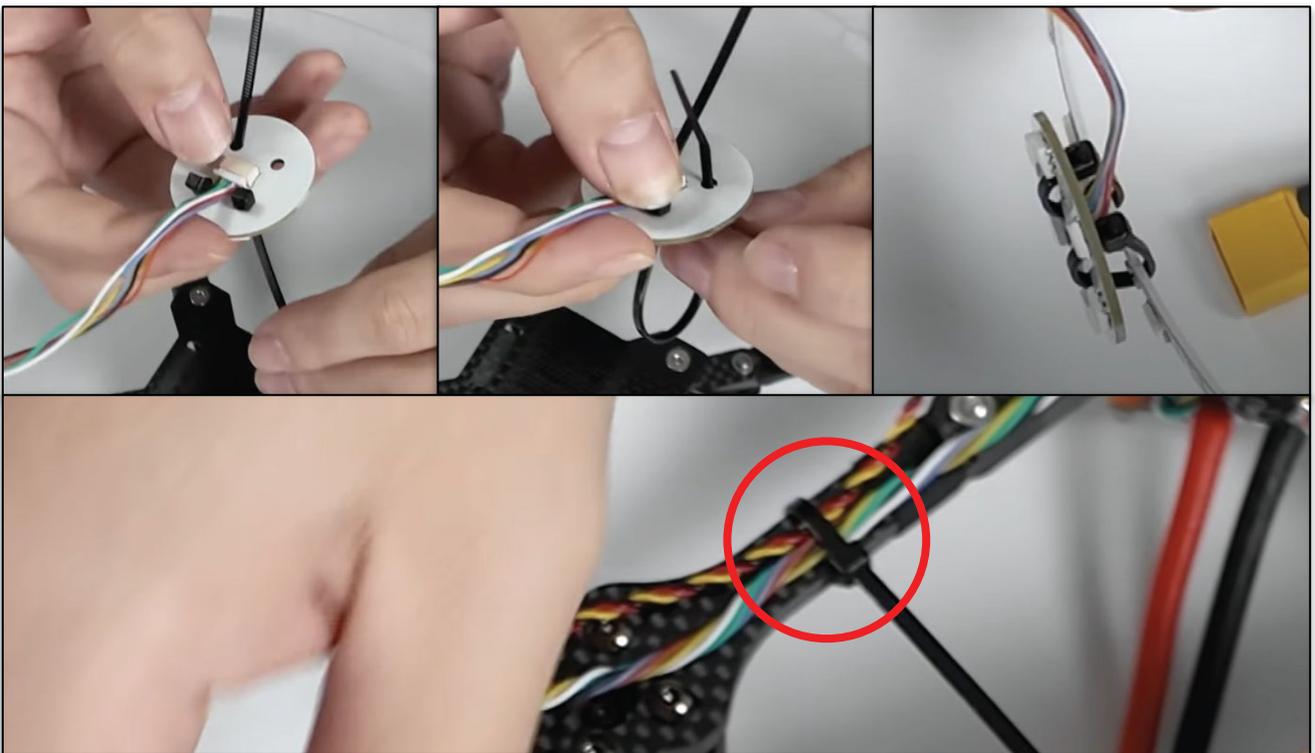
1. After attaching the LED, position the extra end of the Lexan bar slightly past the wire side (outer edge), then secure it with a cable tie.
2. Once secured, apply the finishing sticker to hold it in place. Attach the inside surface first, then wrap to the outside for a clean finish.

STEP.16 Line LED Cable Connection



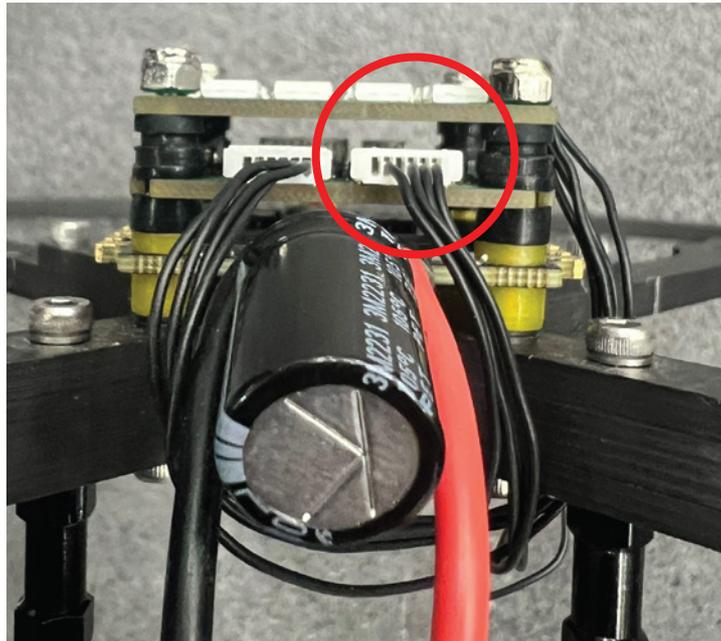
The **Line LED connector** is located to the **right of the power connector**.

STEP.17 Rear LED Fixing



Use a **cable tie** to secure the **rear LED** to the back side of the Line LED strip. Then, neatly arrange the nearby cables **under the arm** and secure them in place.

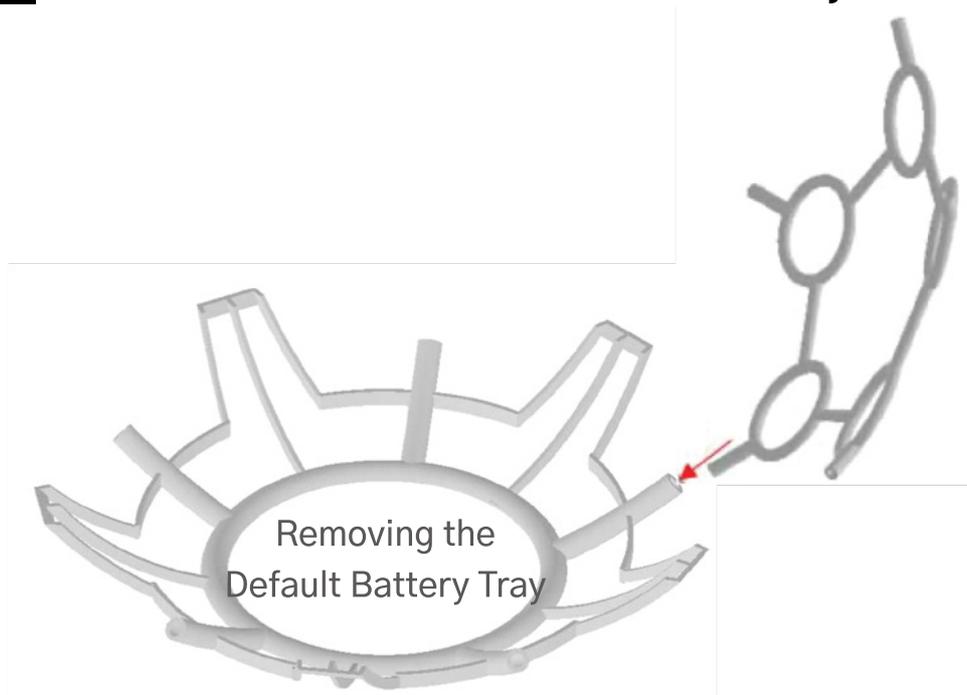
STEP.18 Rear LED Cable Connection



Connect the rear LED cable to the right connector labeled “Tail. LED” on the back side of the FC.

⚠ Make sure the connector orientation is correct (top and bottom) before plugging in.

STEP.19 Penta Guard – Bottom Guard Assembly

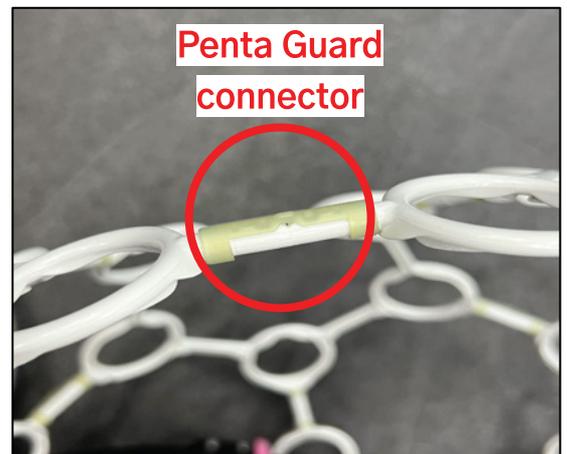
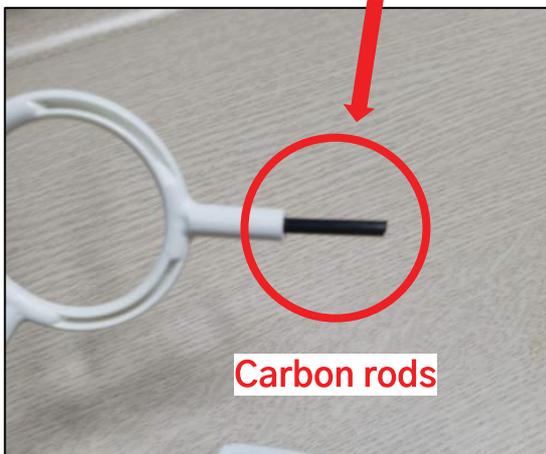
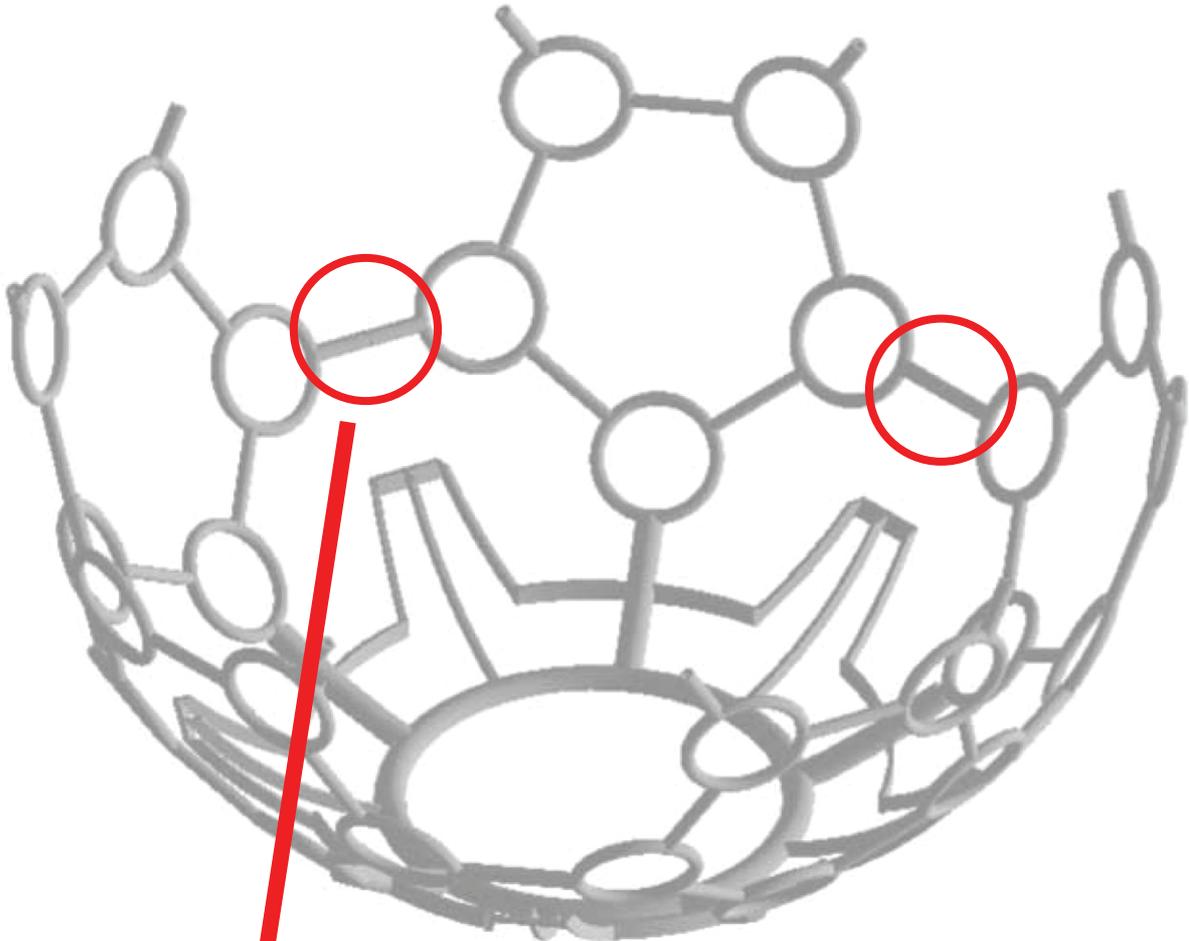


To install the Penta Guard, remove the existing battery tray attached to the bottom guard.

This allows you to use a separate battery tray with the new guard.

Insert the Penta Guard into the slots on the bottom guard as shown.

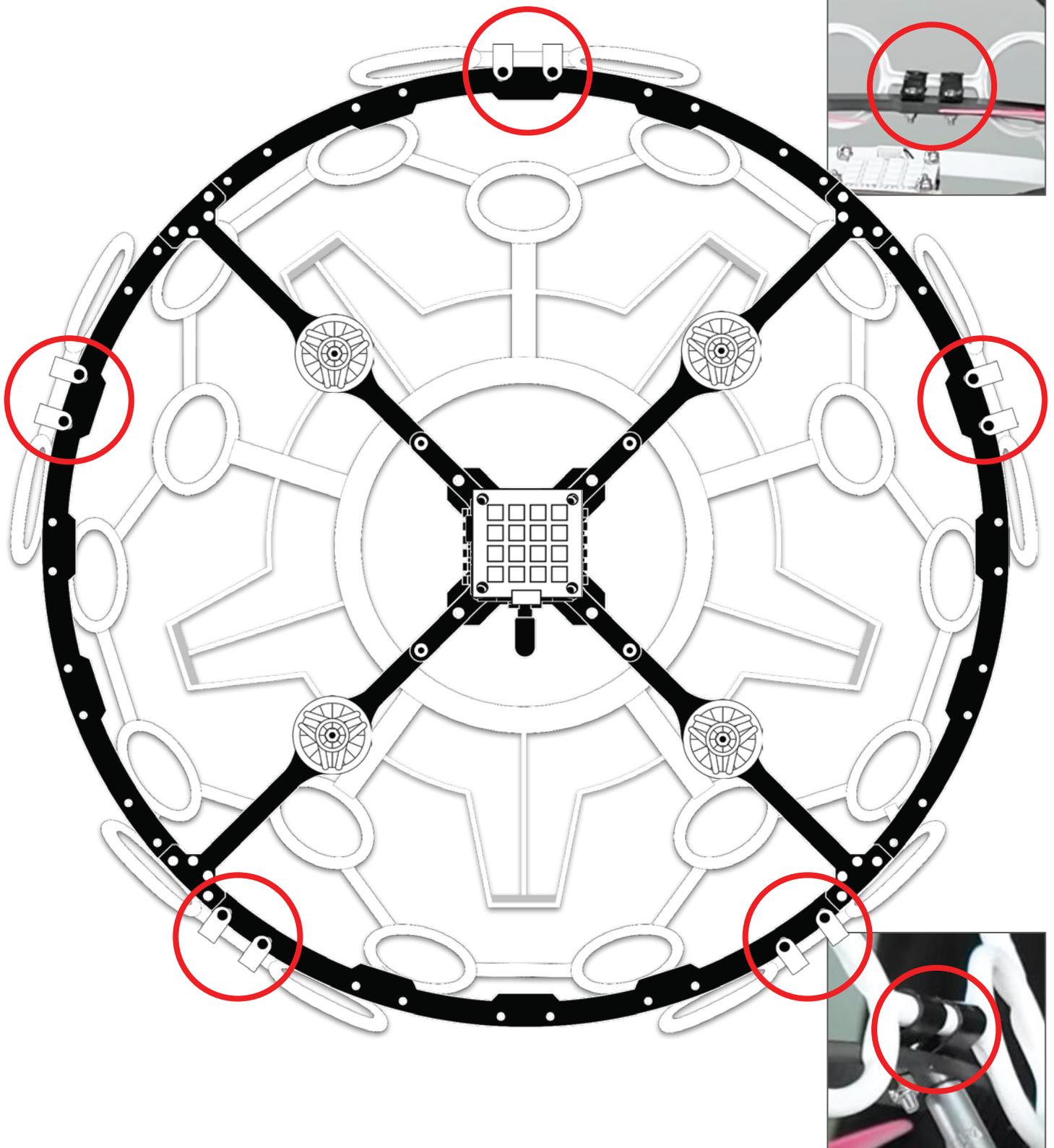
STEP.20 Penta Guard – Penta Guard Assembly



Connect the rear LED cable to the right-side connector labeled “Tail. LED” on the back of the FC.

⚠ Make sure the connector is facing the correct direction (top and bottom) before connecting.

STEP.21 Center Frame – Center Clip Assembly

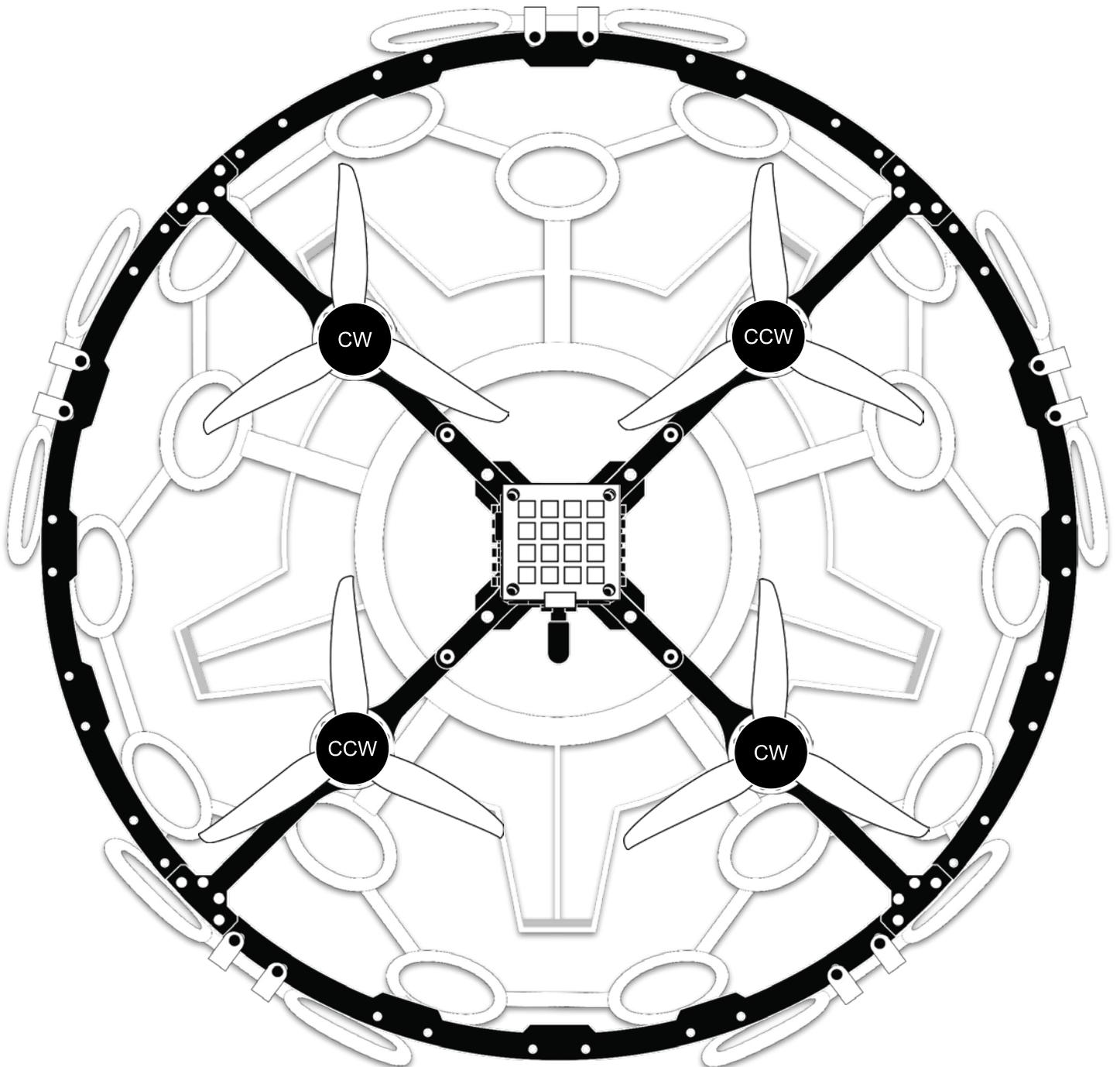


As shown in the image, insert **two center fixing clips** onto each **pillar of the Penta Guard**.

Then, use **10 M3×12 screws** and **10 M3 Nyloc nuts** to assemble the **center clips** with the **center frame**.

STEP.22 Propeller Assembly

Front



Rear

Attach matching propellers to the same-colored motor arms, and tighten the nuts as indicated.

- CW (Clockwise)
- CCW (Counter-Clockwise)

Make sure to follow the correct rotation direction when installing!

STEP.23 Penta Guard Assembly Complete

Attach the top part of the Penta Guard to finish the build.



HELSEL Official Website

<https://www.skyballdrone.com/>

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