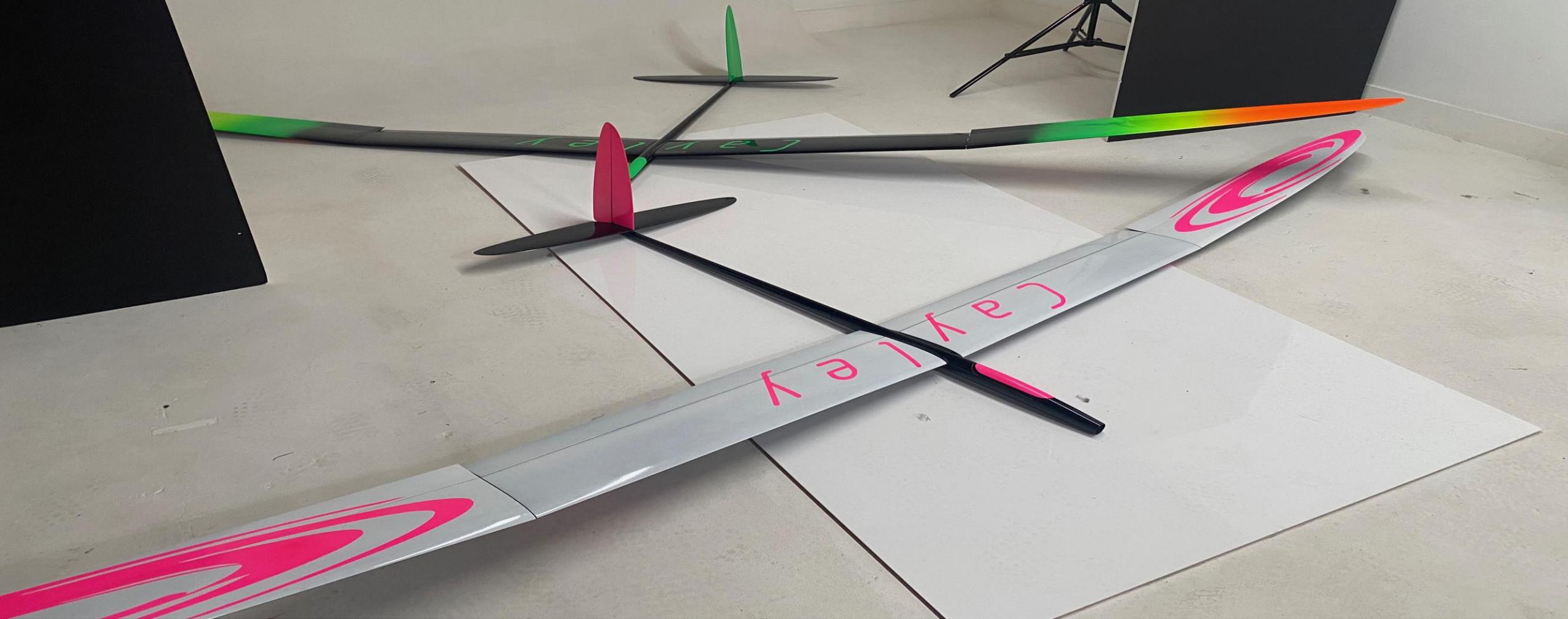
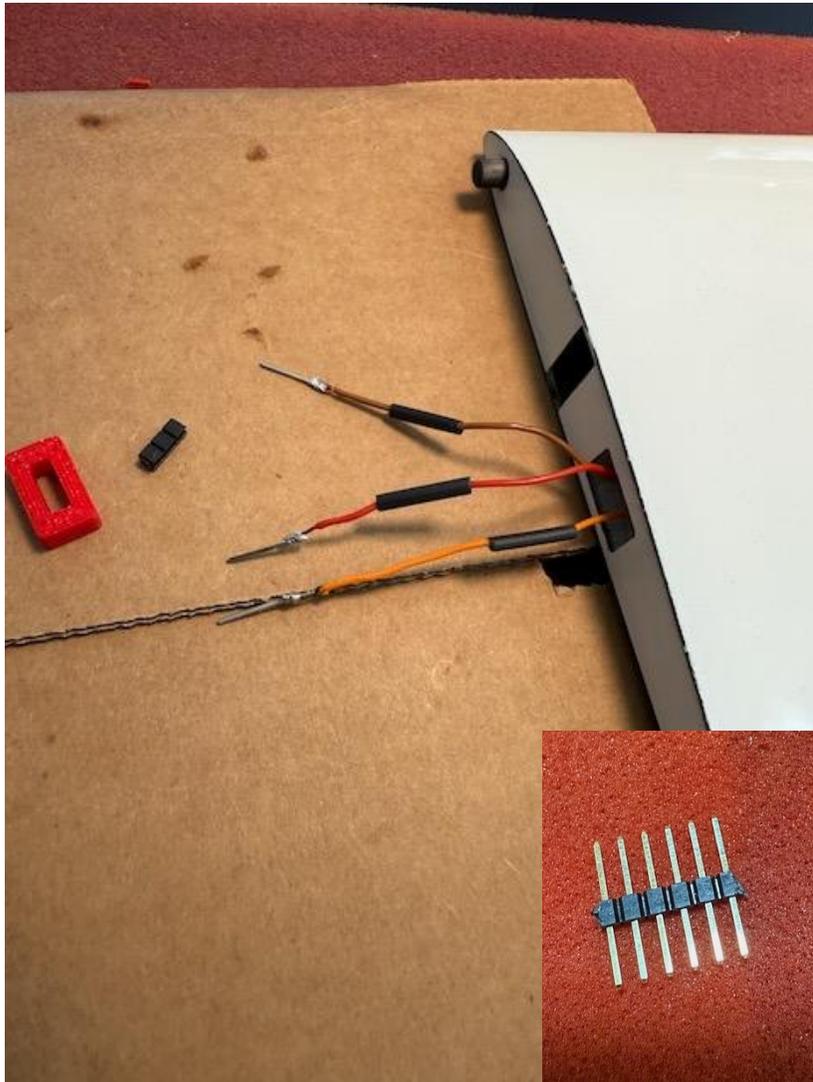


# Cayley

Soaring at its best



## Main wing tip side

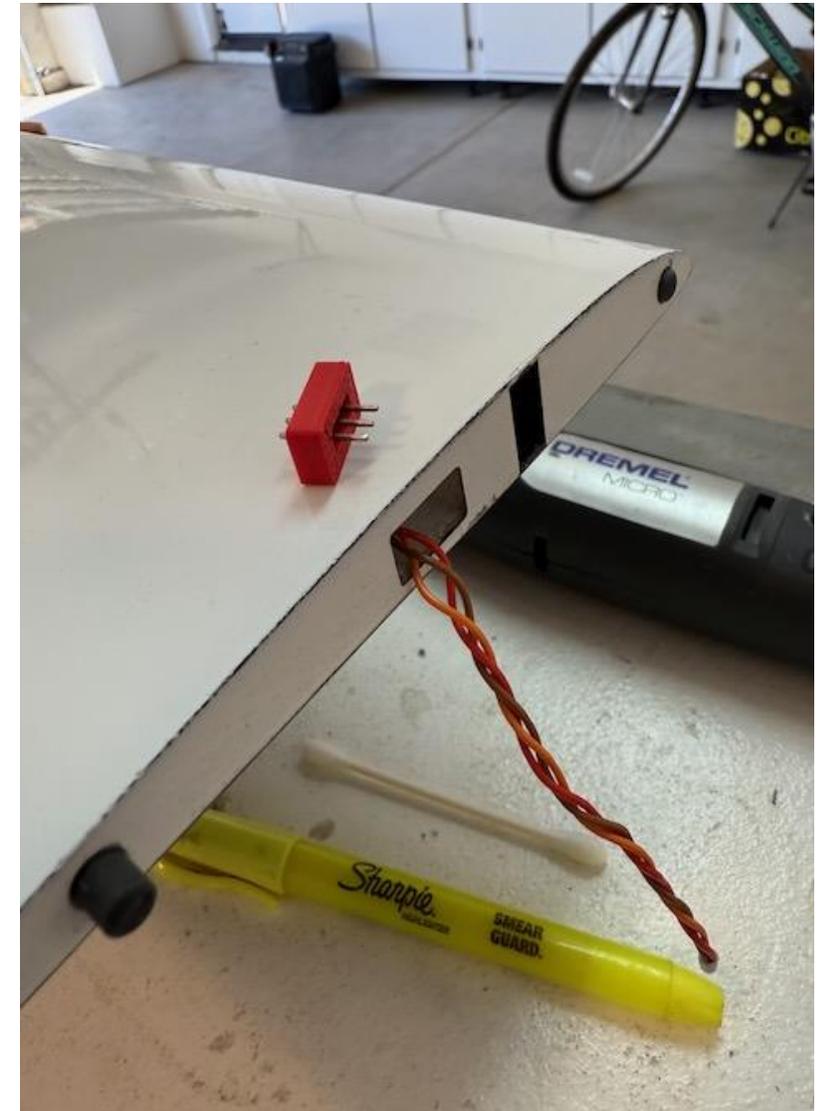


### Installing the Connector for Partial Plug-and-Play Setup

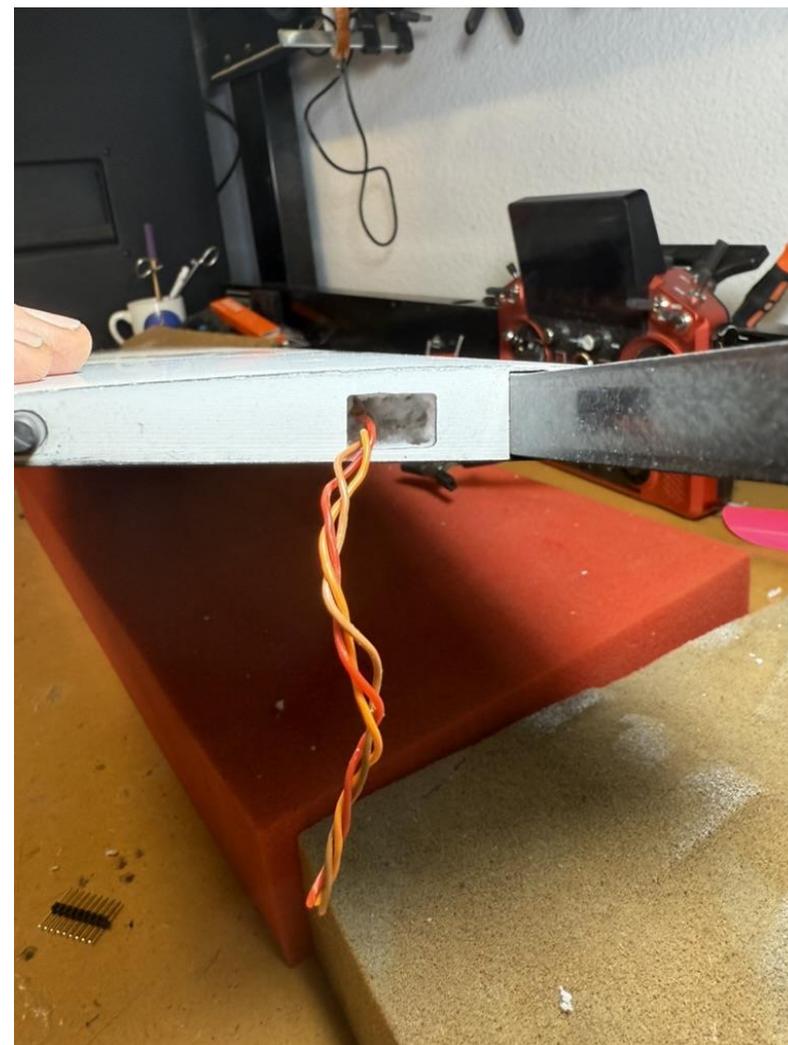
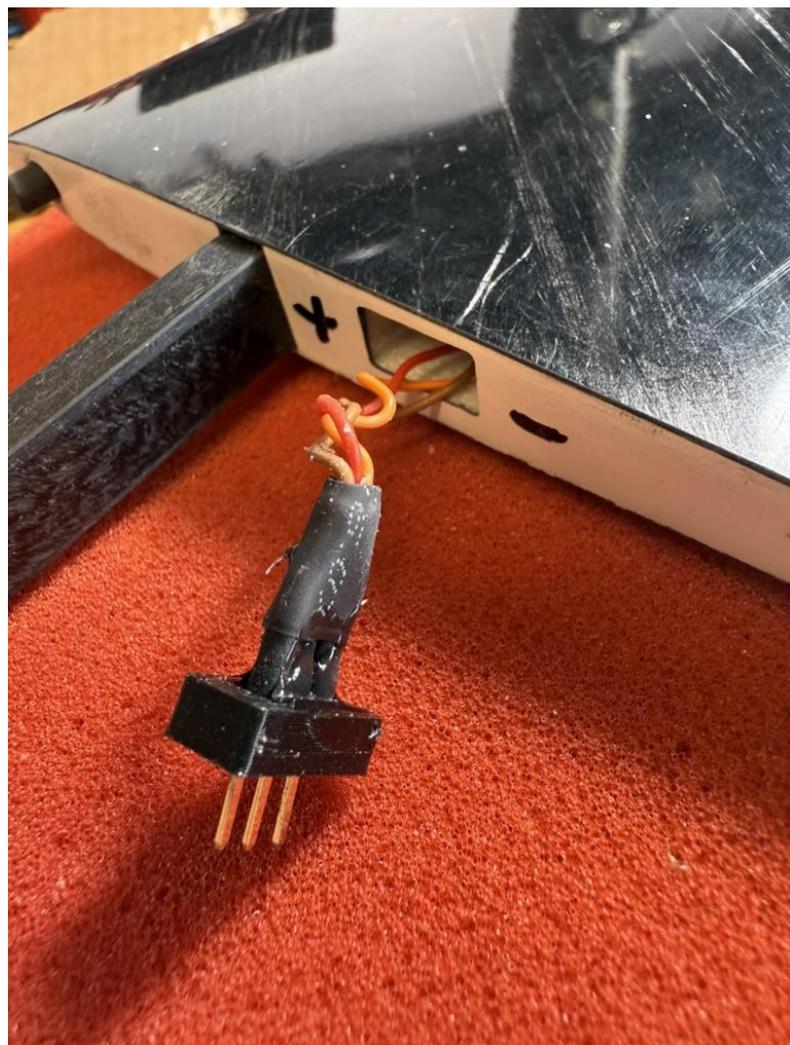
Once the connector is soldered and ready, you're ready to install it into the wing as part of a **partial plug-and-play setup**.

- Take the **red mounting piece** (supplied with the kit) and apply **Shoe Goo** to glue it into the wing cutout.
- At the same time, apply glue to the connector you just soldered to the wire, and insert it alongside the red part.
- Ensure both pieces are **flush with the wing surface**—they should not protrude at all.

After the glue sets, you'll later connect the plug wire from the wingtip into this socket. This setup functions as a partial plug-and-play and, when installed properly, should be reliable for regular use.



Main wing, Tip side



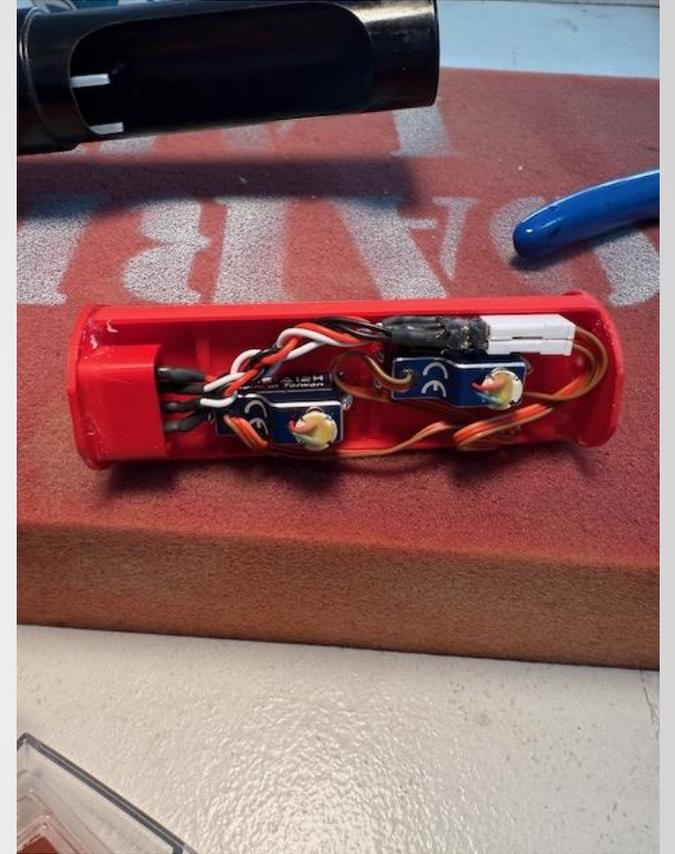
## Boom servo tray



Before cutting the plastic sleeve that holds the carbon fiber rod, **make sure to remove the rod** to avoid damaging it. When cut, the sleeve should extend slightly past the red tray—just like shown in the photo. If desired, you can leave it about **1/4 inch longer**

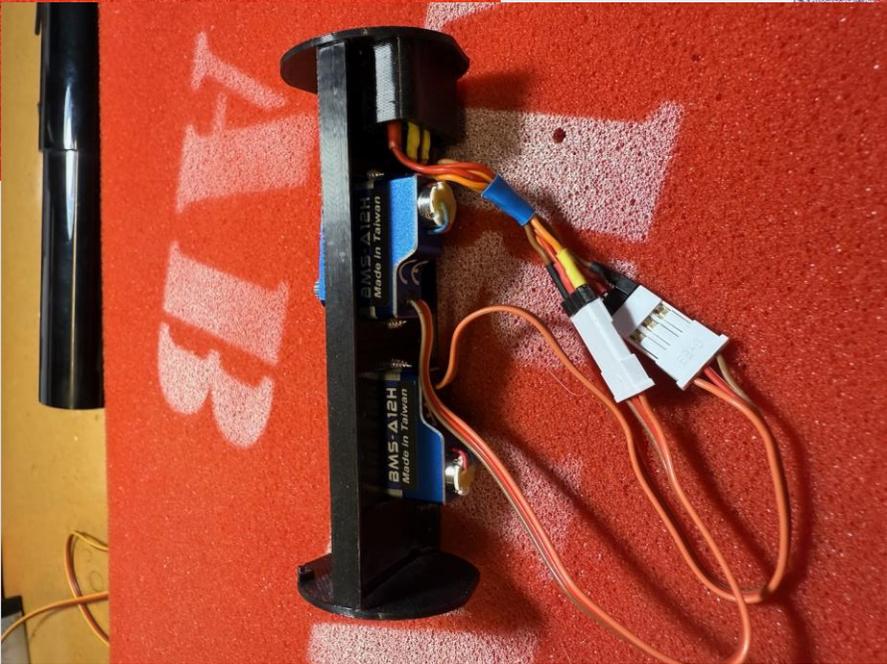
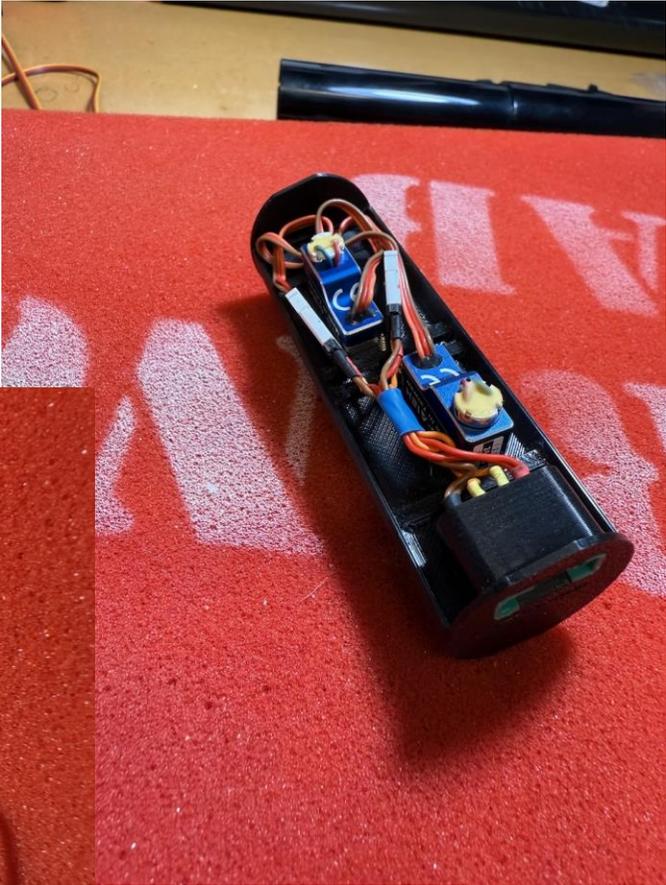


Once the red tray is positioned correctly and fully aligned, apply Shoe Goo to bond it securely to the black fuselage. Ensure it remains in the proper position while the adhesive sets.

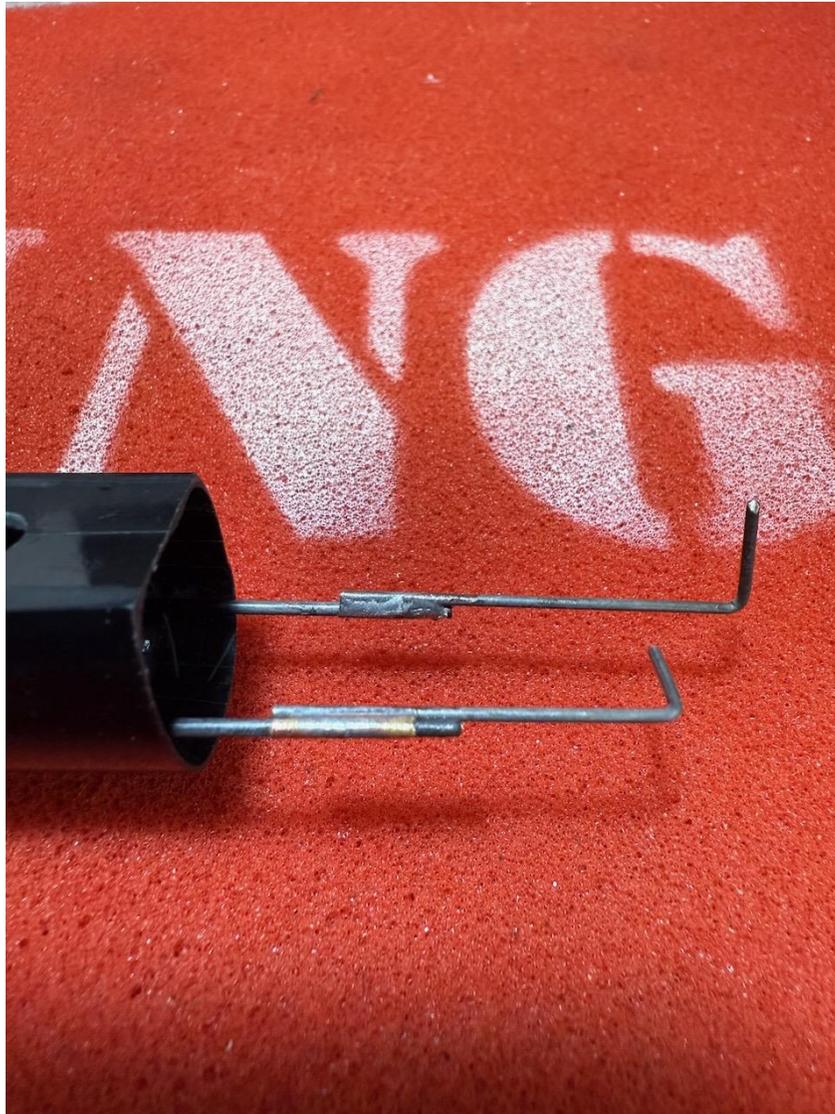


It's a tight fit, but everything fits together nicely in a compact setup.

# Boom servo tray



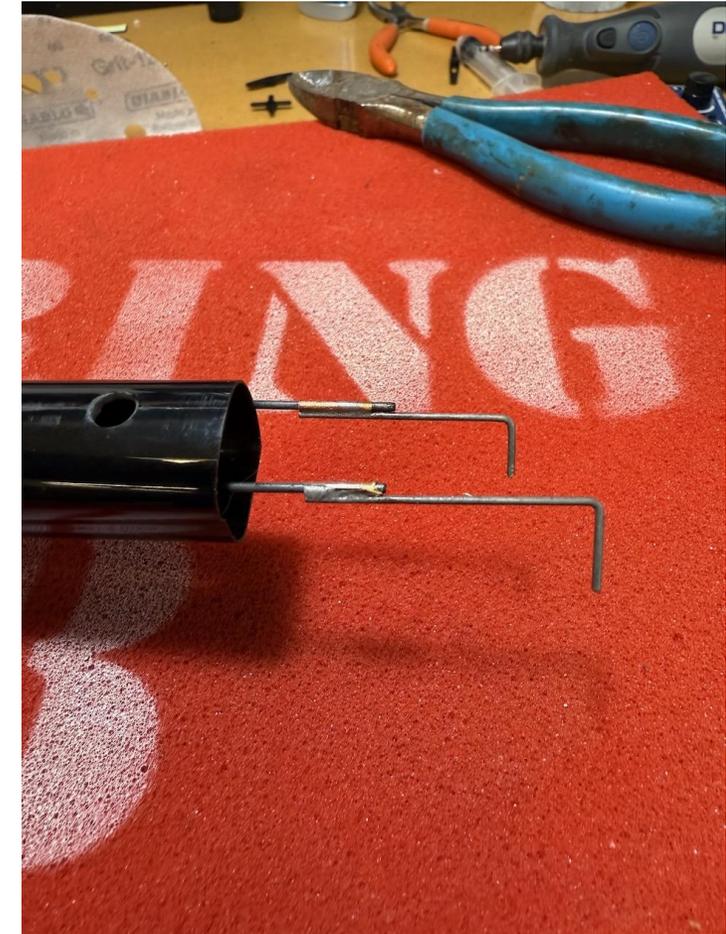
# Carbon fiber rod attachment



Be careful to bend the steel rod to the correct angle. This part is designed to slide onto the carbon fiber rod and provide some play to move it back and forth before gluing.

1. Glue the rods in at the back first—this area is hard to reach once the other end is bonded.
2. Scuff the surface of the carbon fiber rod to improve adhesion.
3. Scuff the inside of the copper fitting as well. A snug-fitting drill bit works well for this.
4. Apply a drop of thin CA to the carbon rod, then quickly slide on the metal coupling.

It will set very fast, so make sure the coupling is positioned correctly before the glue grabs.



## Tail linkage

1. With the carbon fiber rods already attached to the tail horn(s), slide the couplings onto the rods near the servos.

**1. Do not glue yet.**

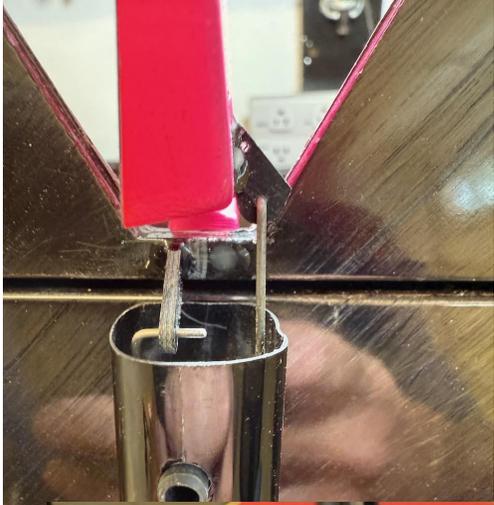
2. Power on your servos and center them to the **neutral position**.

3. With the tail feathers also in neutral, slide each coupling into the correct alignment.

4. Once positioned correctly, apply a small drop of thin CA to secure the coupling to the rod.

5. Trim off any excess carbon fiber extending past the coupling exit.

6. ⚠ Take care to prevent CA from wicking toward the servo horn—it can lock it in place. (I made that mistake once, so avoid it!)

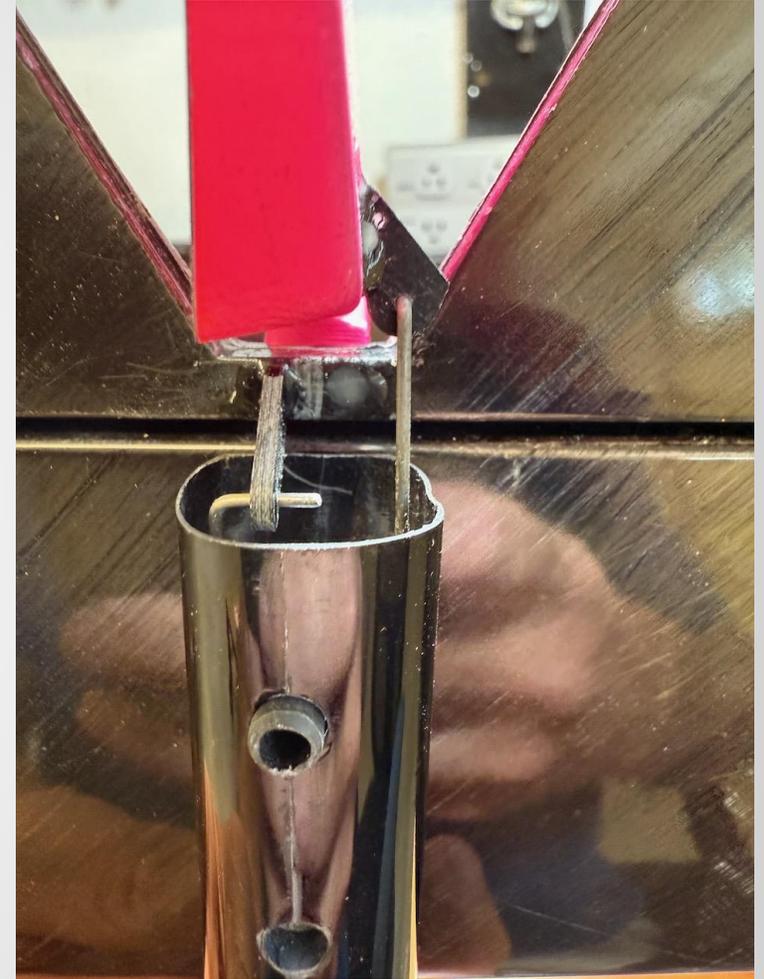
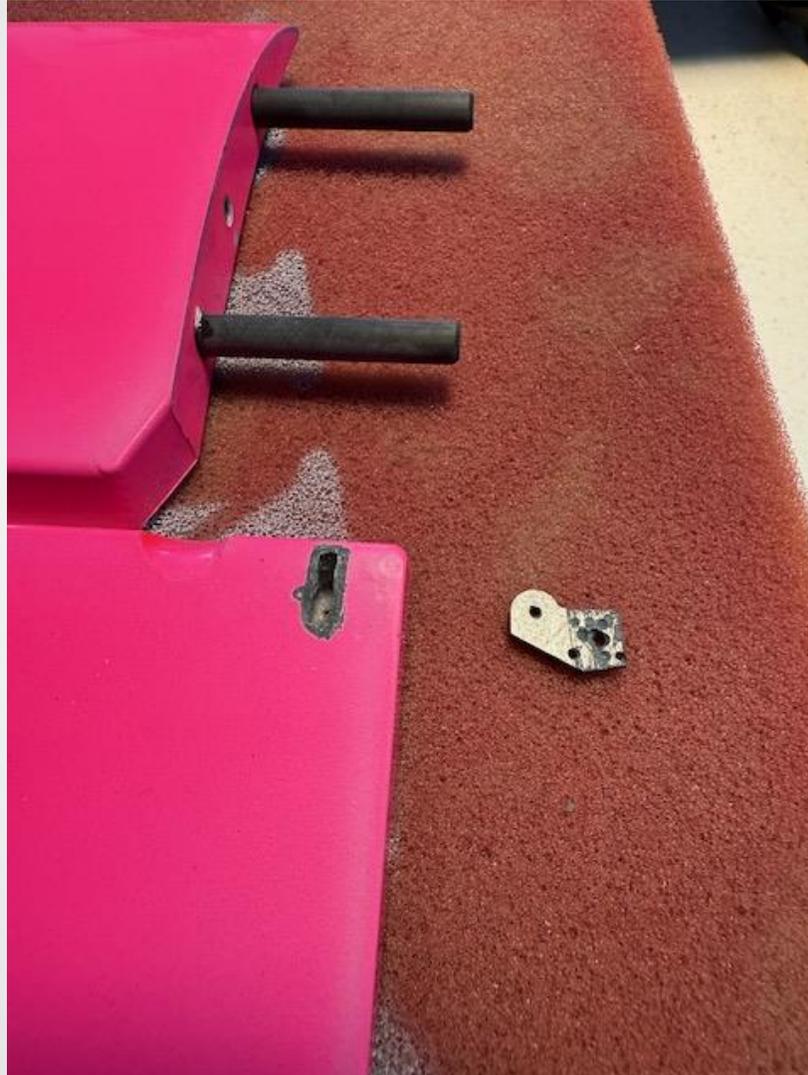


## Tail fin horns

Grind away some of the paint until the carbon fiber underneath is exposed. This gives the adhesive a solid surface to grab onto. Since this piece is slightly oversized, trim it down to fit, then drill a few small holes and roughen the surface to help the epoxy bond. Fill the prepared hole with epoxy, coat the part as well, and slide it into place. A little overflow is a good thing—it locks the part securely and reduces the chance of it ever working loose.



# Tail fin horns

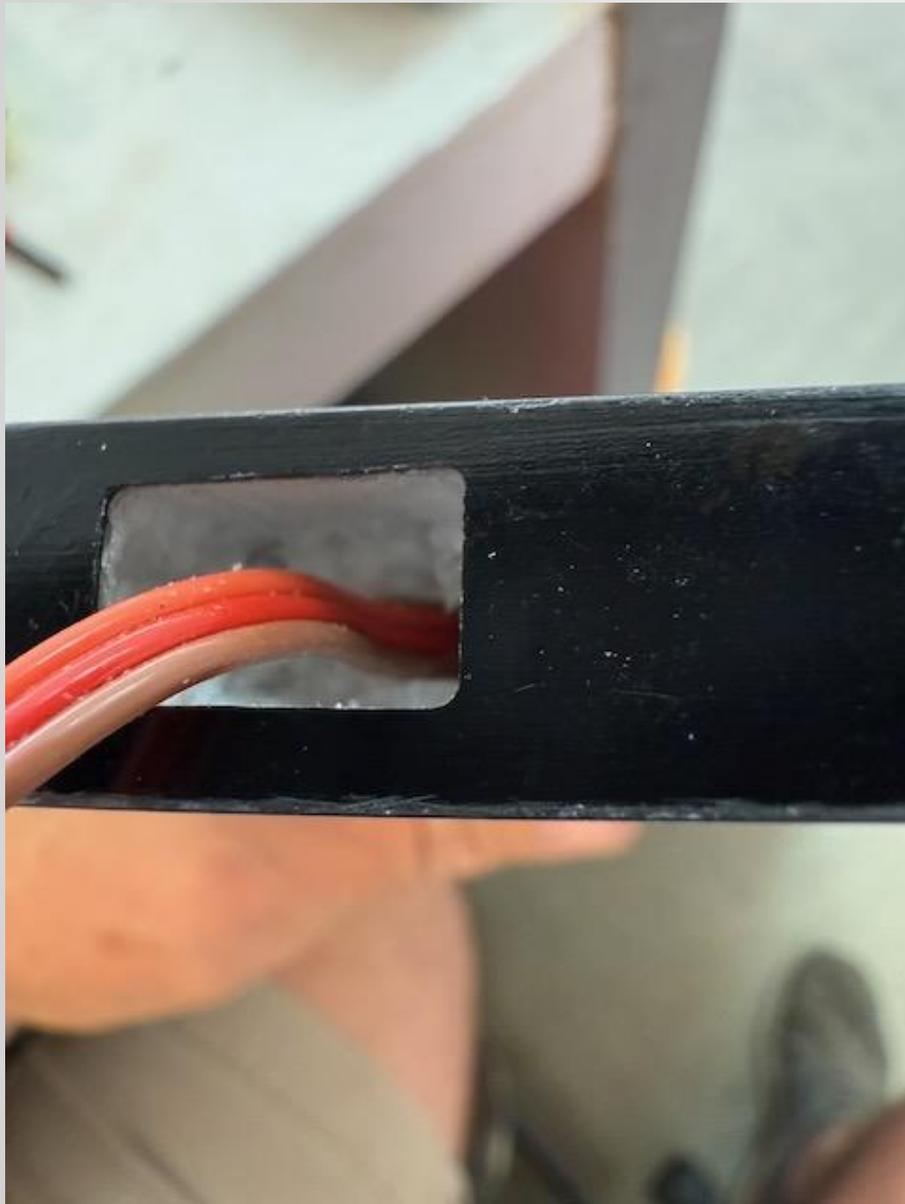




The motor mount should fit snugly onto the nose—grinding the nose is likely unnecessary. Before applying epoxy, scuff both the inside of the nose and the surface of the motor mount to ensure strong adhesion

Recommended glue for this would be JB Weld so no matter how hot your motor gets it will not soften the glue and spin your motor in the fuse

## Making room



### Foam Adjustment for Plug-and-Play Fit – Center Wing Section

When setting up the plug-and-play system in the **center section of the wing**, you can use a **medium-sized Phillips screwdriver** to gently push the foam backward. This creates the space needed for the plug to fit **snugly** in the cavity. Only push the foam back far enough to allow a secure fit—this will also help the adhesive (such as Shoe Goo) bond more effectively.

On the **tip side**, where the plug is **not glued in**, you can also push the foam back slightly to make room for the **extra wire**—approximately **1.5 inches of wire**—that needs to be tucked in after plugging in the wing connection. This adjustment helps maintain a clean fit and ensures that the wire doesn't get pinched when the wing is assembled.

 **Tip:** Work slowly and avoid tearing the foam—you're aiming to compress, not remove material.

# Plug-in play

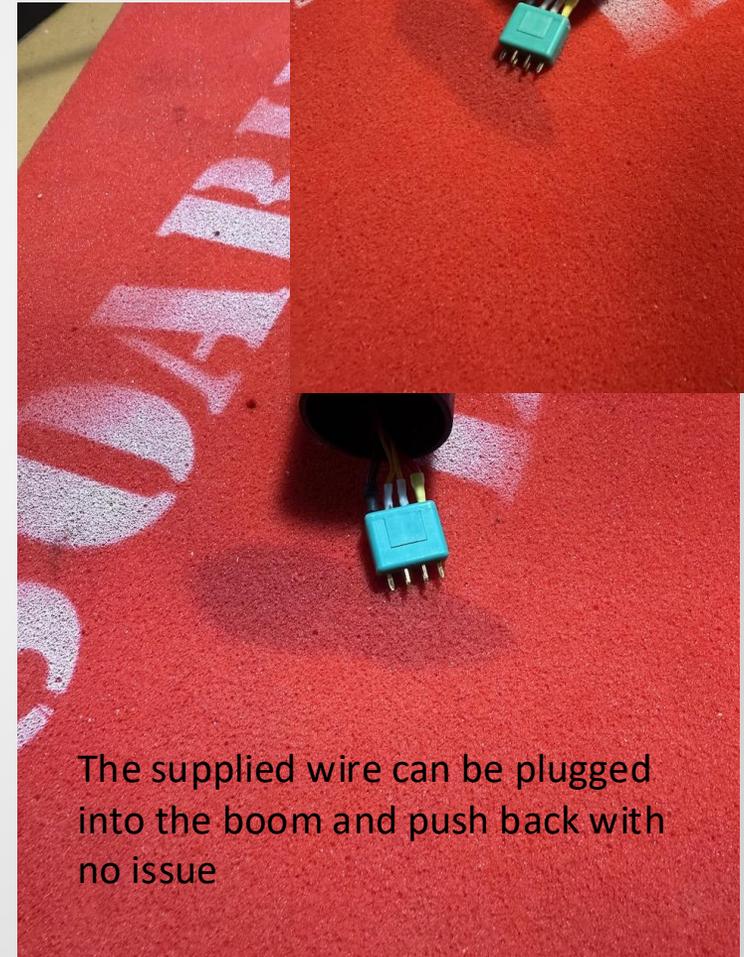
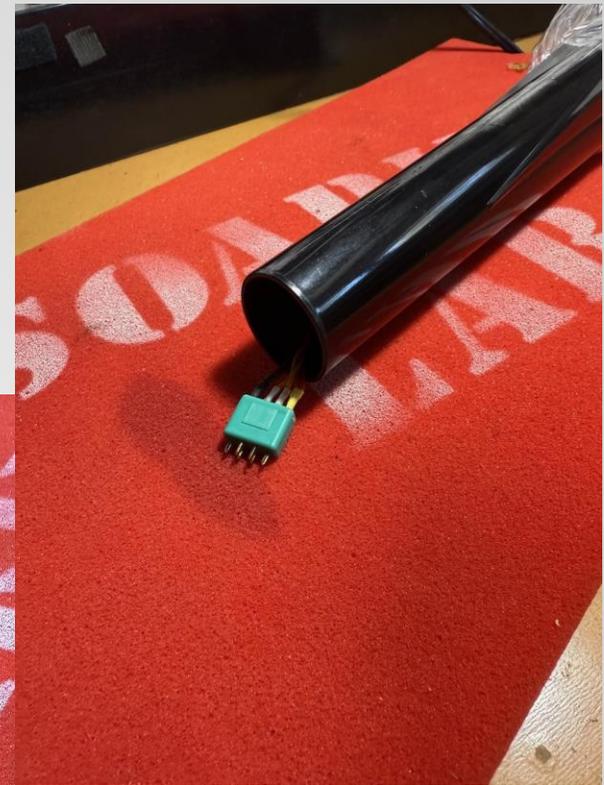
## Plug-and-Play Options

The boom is designed so that once you **install the plug-in plate**, it becomes a true plug-and-play system. You can finish the setup in two different ways:

**1. True plug-and-play:** After the plug-in plate is installed in the boom and fuselage, the wiring connects automatically whenever the boom is attached.

**2. Weight-saver option:** Skip the plug-in plate and simply route the wires into the boom, plugging them in manually to save a bit of weight.

All wiring is supplied to support either method.



The supplied wire can be plugged into the boom and push back with no issue

## Plug-in play set up

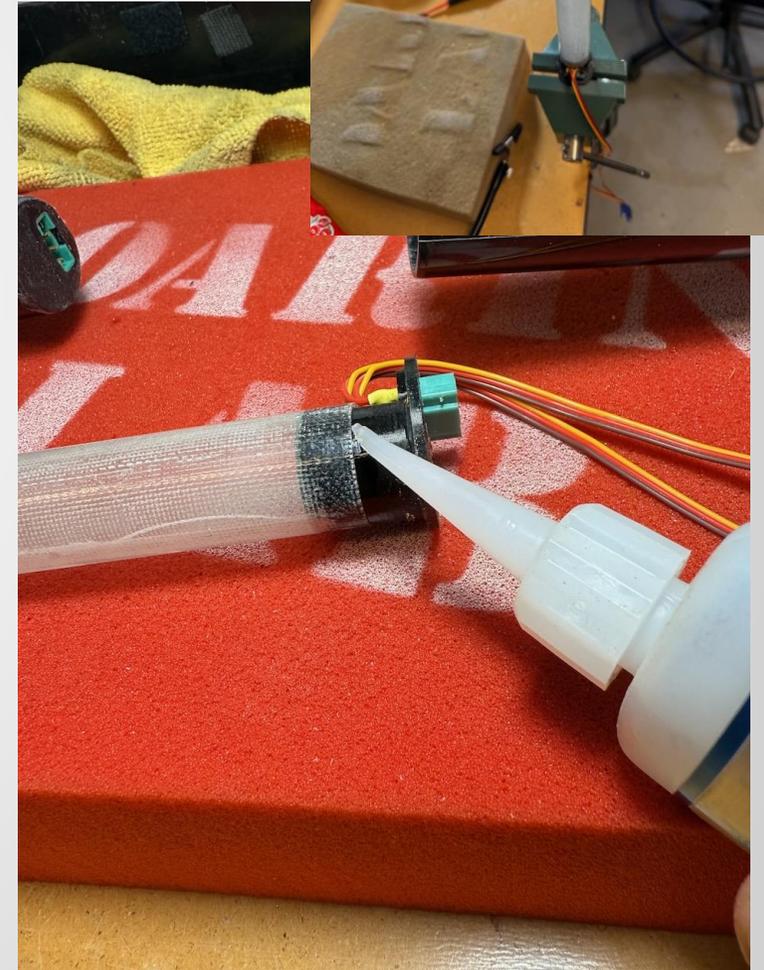
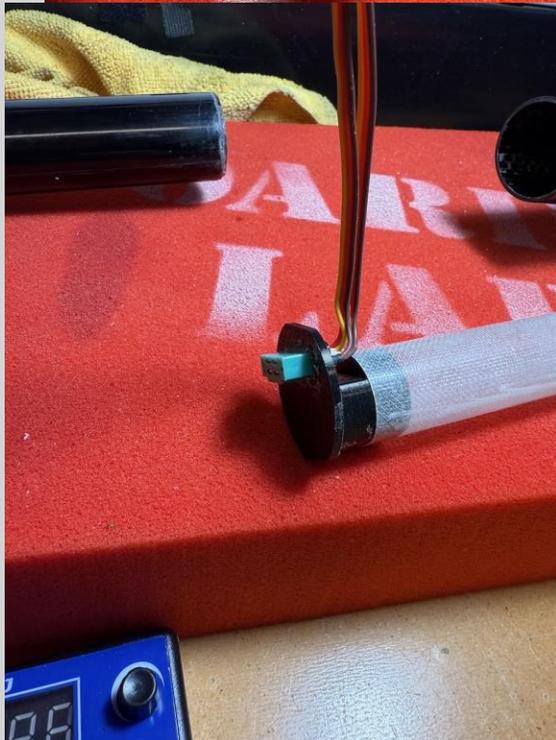
### Ballast Tube & Plug-In Plate Assembly

**1.Join parts:** First, glue the **plate** and the **round cylinder** together (if they are not already one piece).

1. The **plate** will hold the plug-in system.
2. The **cylinder** will hold the ballast tube.

**2.Install ballast tube:** Once the plate and cylinder are bonded as one, glue in the ballast tube.

3.Refer to the photo for correct orientation before final bonding.



# Plug-in play

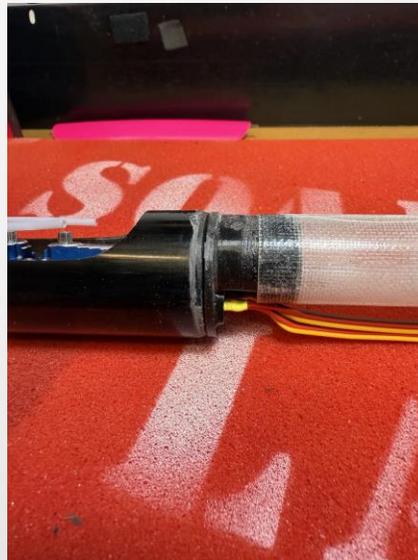
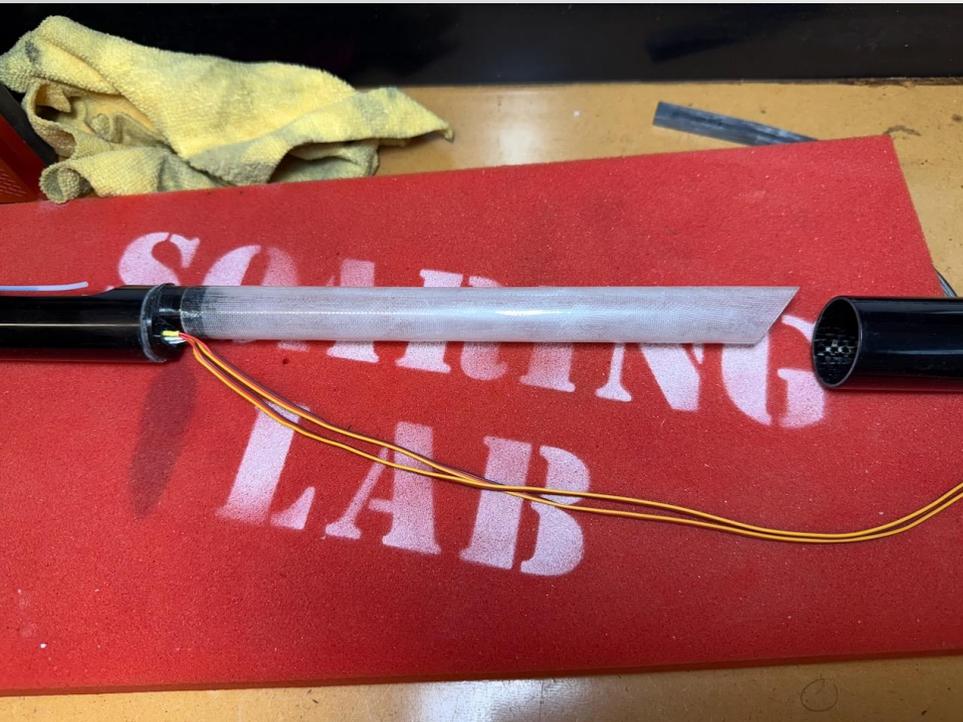
## Boom Installation

### 1. Attach ballast tube assembly:

Once the ballast tube is glued flat and straight onto the plug-and-play plate. **Insert into fuselage:**

Slide the tube and wiring into the fuselage until the boom fits snug and straight.

**2. Align:** Use the seam line on top of the fuselage and the boom line as reference points. When these are perfectly aligned, the boom will sit level with the wings.



# Plug-in play

## Final Boom & Ballast Tube Alignment

**1.Positioning:** With the boom slid into place and aligned straight, check the ballast tube:

1. It should sit flat against the bottom of the fuselage, or up to about  $\frac{1}{4}$ " high depending on how it was glued to the plug-and-play plate.

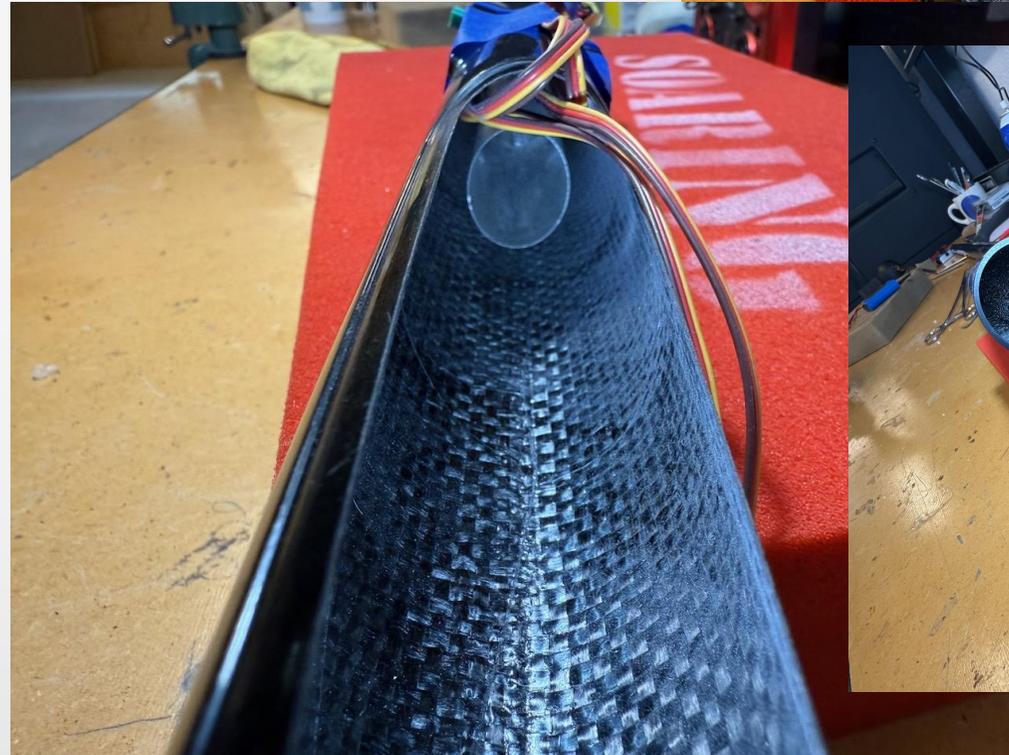
**2.Test bond:** For testing purposes, glue the ballast tube only near the entrance point. Allow it to dry completely.

**3.Test fit:** After curing, pull the plug-and-play assembly apart and check how smoothly it goes back together.

1. If it feels tight, round the edges of the plug-and-play slightly to help it slide in smoothly.
2. Fit will depend on the alignment of the ballast tube when it was glued.

**4.Permanent bond:** Once you confirm the plug-and-play works as designed:

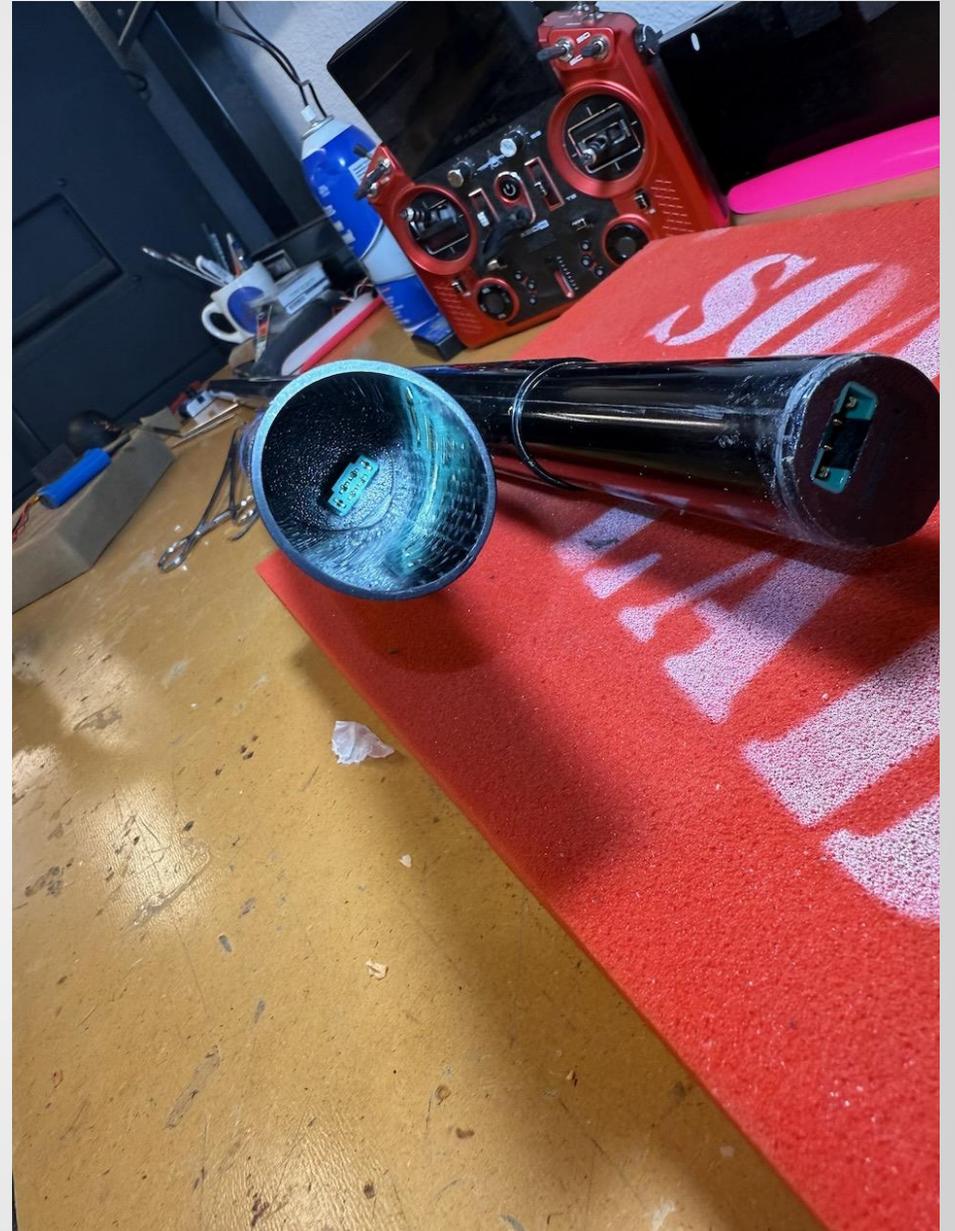
1. Run additional glue along the sides of the ballast tube to lock it in place.
2. ⚠ Be sure to separate the two parts before gluing the fuselage plug-and-play permanently in place.
3. Apply a small bead of glue around the plug-and-play housing for extra security.



## Plug-in play

### Gluing the Fuselage Plug-and-Play

- When applying glue inside the fuselage for extra support around the plug-and-play, use caution:
  - ⚠ **Do not let glue seep onto the inner walls** of the fuselage. Even a thin layer creates friction and can prevent the boom from sliding in smoothly.
  - ⚠ **Avoid excess glue at the very end** of the fuselage. Too much buildup there will stop the boom from seating fully.
- The joint will already be well-supported at the ballast tube; the goal here is simply to eliminate any wiggle, not to flood the area with adhesive.





**WARNING**  
FLAMMABLE. VAPOR HARMFUL.  
Read cautions carefully on back panel.  
**ADVERTENCIA:**  
INFLAMABLE. VAPOR DAÑINO.  
Lea cuidadosamente las precauciones del panel posterior.

CLEAR / TRANSPARENTE

*Original*  
**Shoe God**

**SHOE REPAIR  
AND  
PROTECTIVE  
COATING**

REPARACIÓN DE ZAPATOS  
Y REVESTIMIENTO DE CAJÓN

CLEAR  
TRANSPARENTE

3.7 fl oz (106.7 mL)



**SHOE  
REPAIR**  
REPARACIÓN  
DE ZAPATO

PERMANENT  
FAST REPAIR  
WATERPROOF

REPARACIÓN RÁPIDA  
Y PERMANENTE  
IMPERMEABLE

**FOR USE ON:**  
PARA UTILIZAR EN:

- Leather / Cuero
- Rubber / Goma
- Vinyl / Vinilo
- Canvas / Lona

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