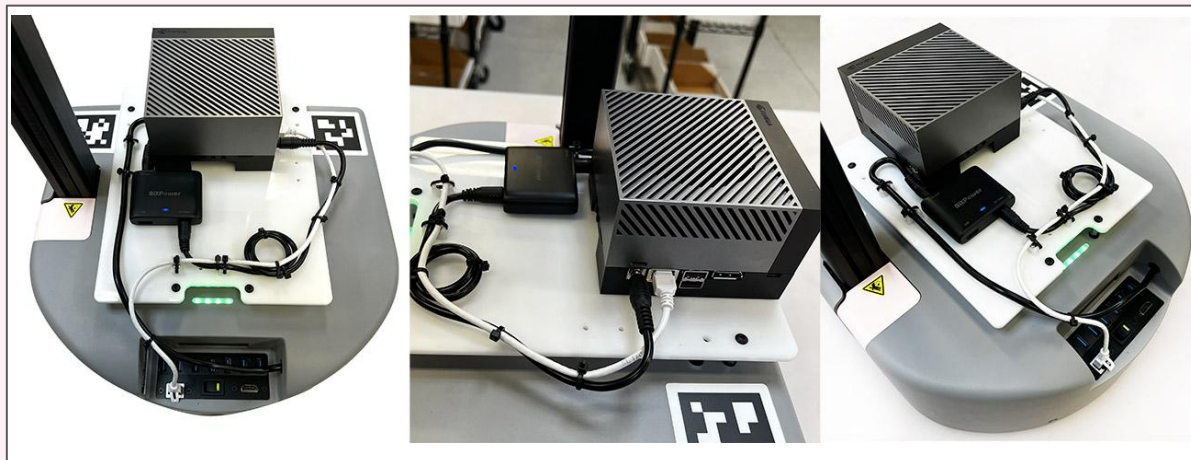


## **STRETCH 2**

### **NVIDIA Jetson Orin AGX Mount - Installation**

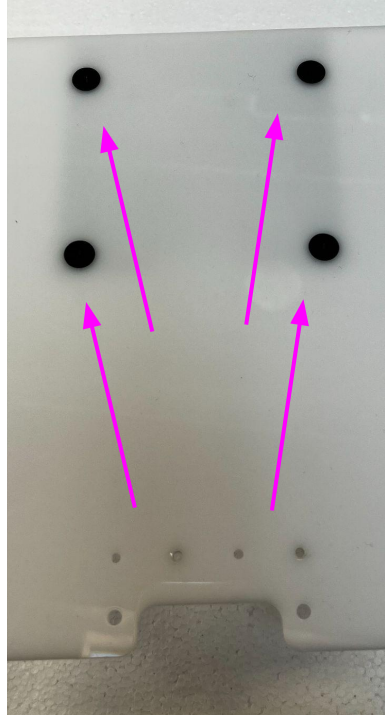
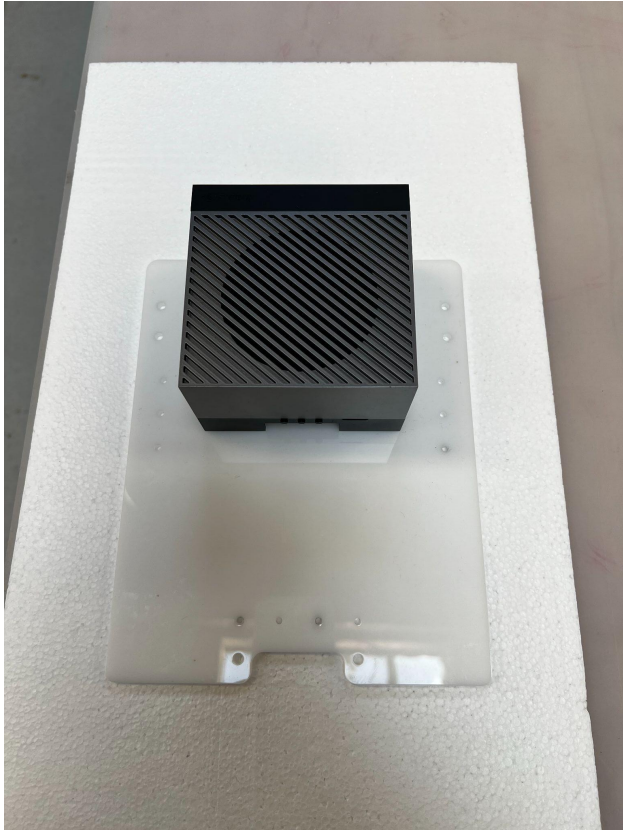


2023



This guide will show you how to install the Jetson Mount to a Stretch RE2 robot.

- **WARNING:** Before beginning, ensure that your robot is completely powered down, with the power switch in the OFF position, pictured here.
- Failure to do this may result in permanent damage to your robot!

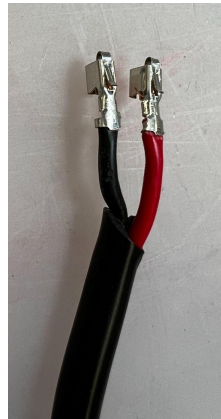
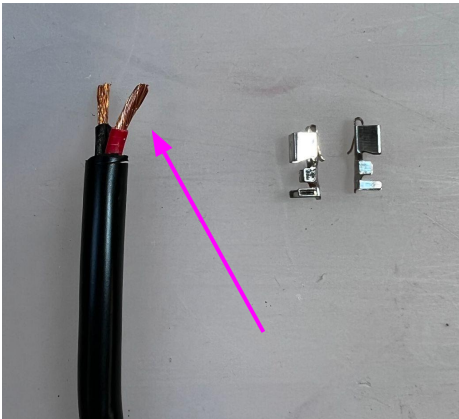


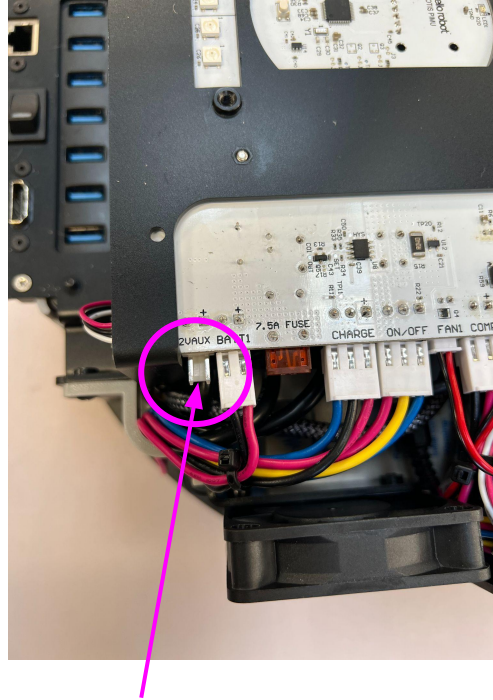
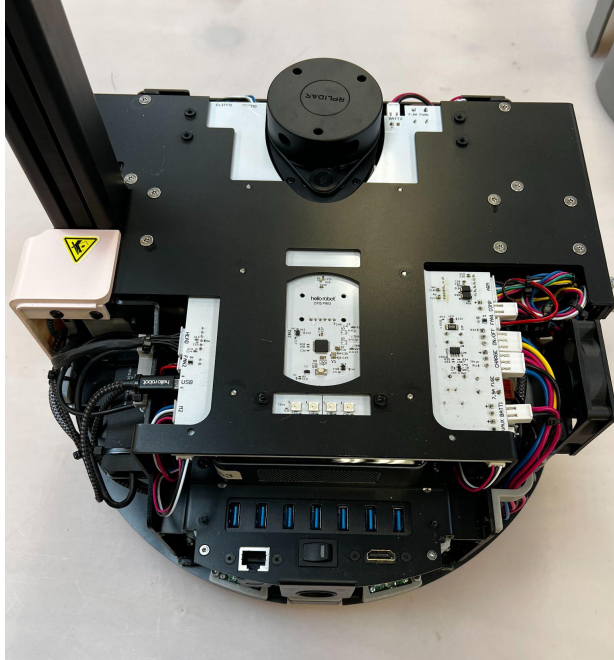
## Step 1

- Mount the Jetson Orin AGX to white delrin custom plate using 4x Torx Flat Head Thread-Cutting Screws for Metal

## Step 2

- Cut the DC power cable 20" in length.
- Pigtail the cable and expose 3/16" of copper wire .
- Crimp with JST-VH crimper tool and attach the JST-VH 2 pin connector
- Make sure the connector is in this orientation with black wire on left and red wire on right.

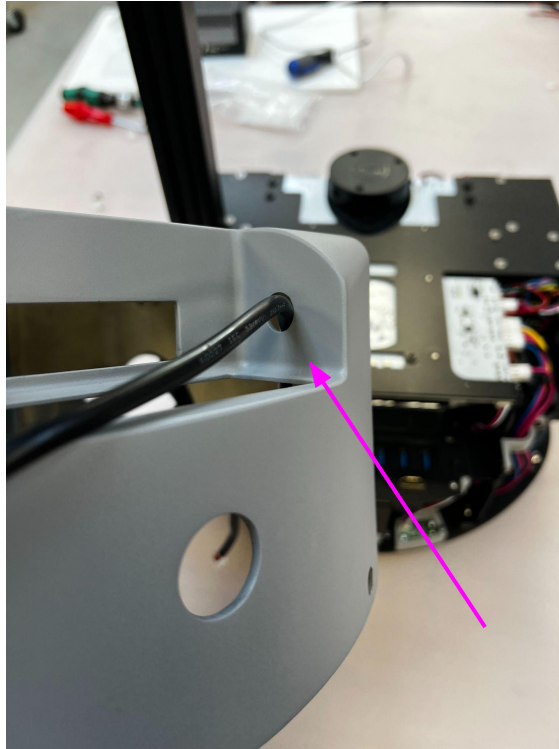
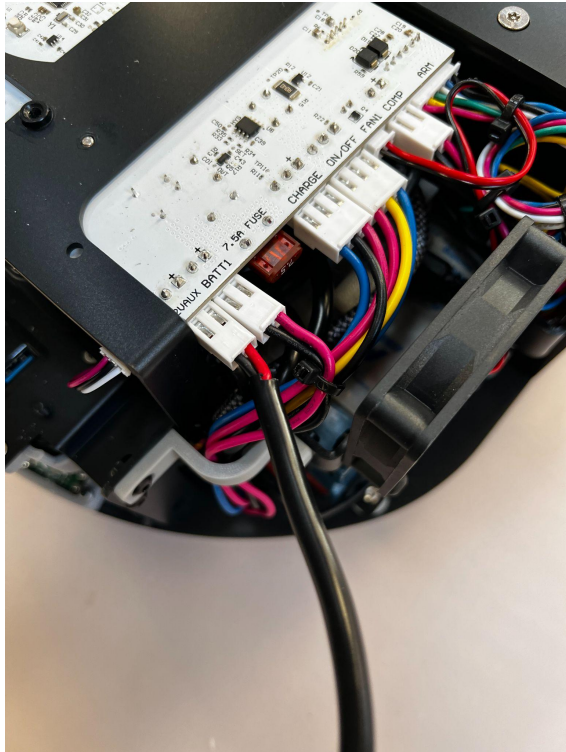




## Step 3

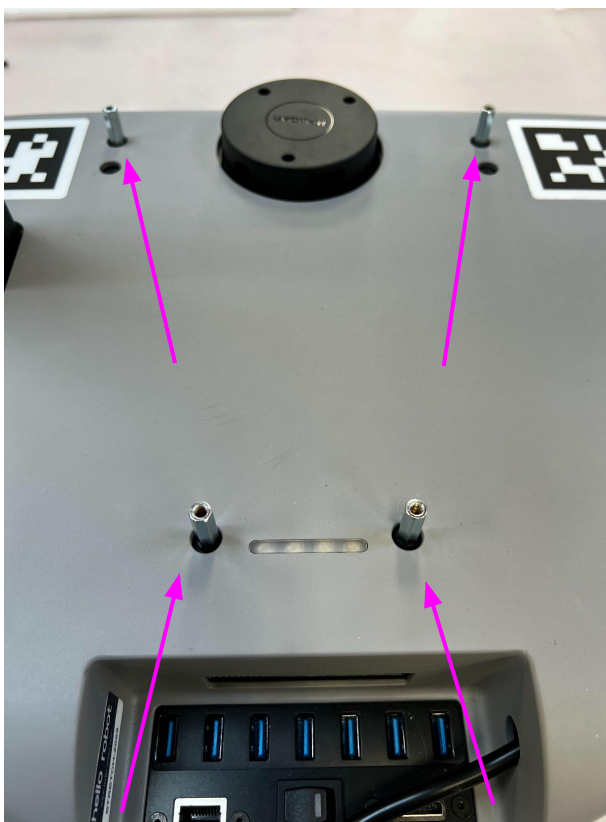
- Remove the base shell and locate the 12v AUX on the PIMU.





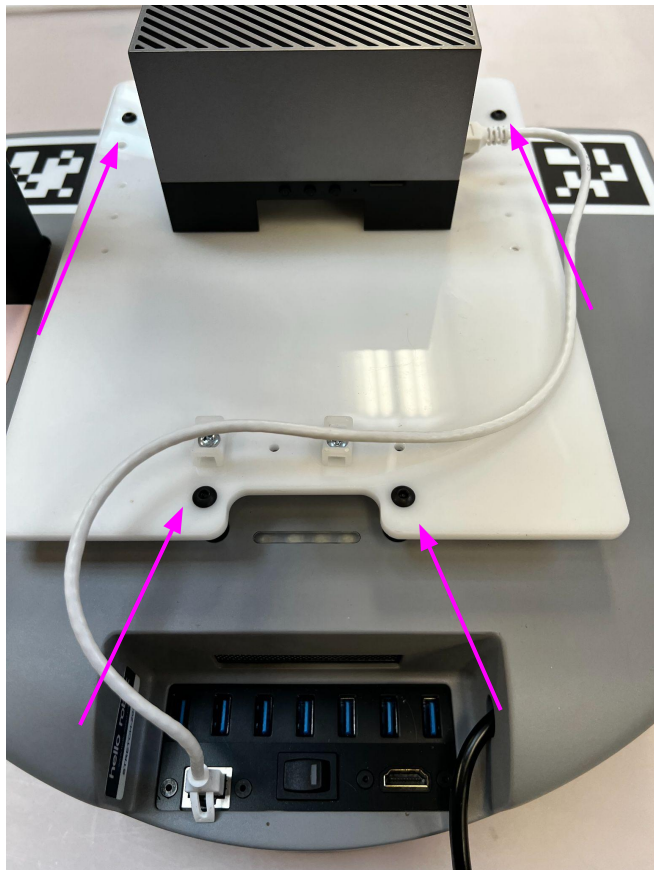
## Step 4

- Connect the 20" DC power cable to 12v AUX.
- Route the cable thru the AUX Cutout on base shell.



## Step 5

- Reinstall the base shell using the same screws you removed.
- Add 4x Male-Female Threaded Hex Standoff to Stretch Base accessory mounts.



## Step 6

- Mount the white delrin custom plate to standoffs using 4x Steel Button Head Torx Screws.
- Plug in ethernet cable to Jetson and Stretch.





## Step 7

- Attach 5x Cable tie mounts using 5x Phillips Rounded Head Thread forming screws.
- Route cables as pictured and zip-tie in place
- Cut excess zip-tie