

# **Robot assembly tutorial**

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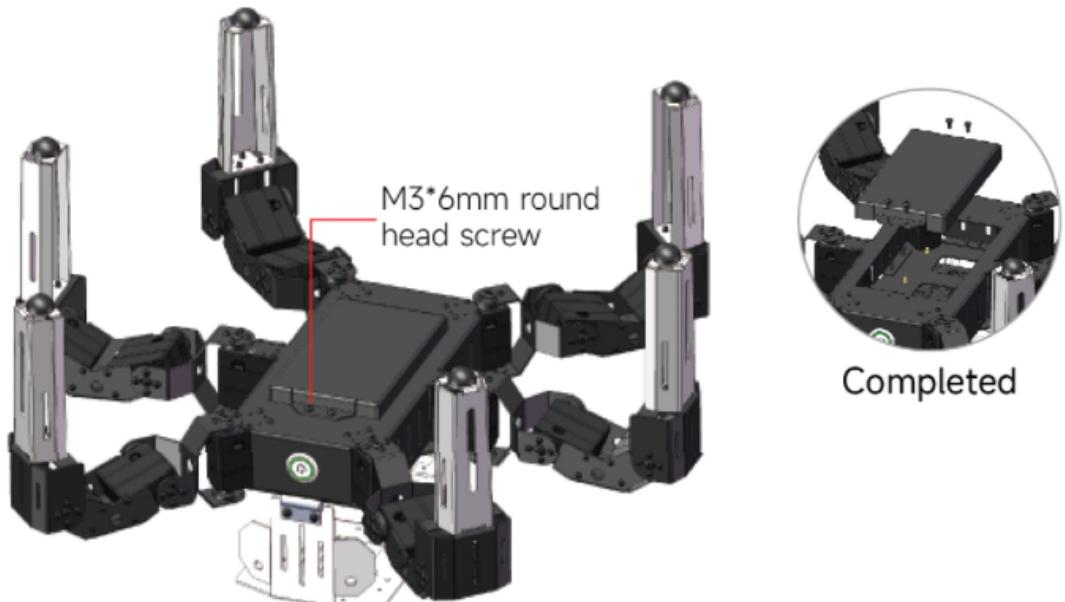
[Robot assembly tutorial](#)

[Visual version S2 assembly tutorial](#)

## **Visual version S2 assembly tutorial**

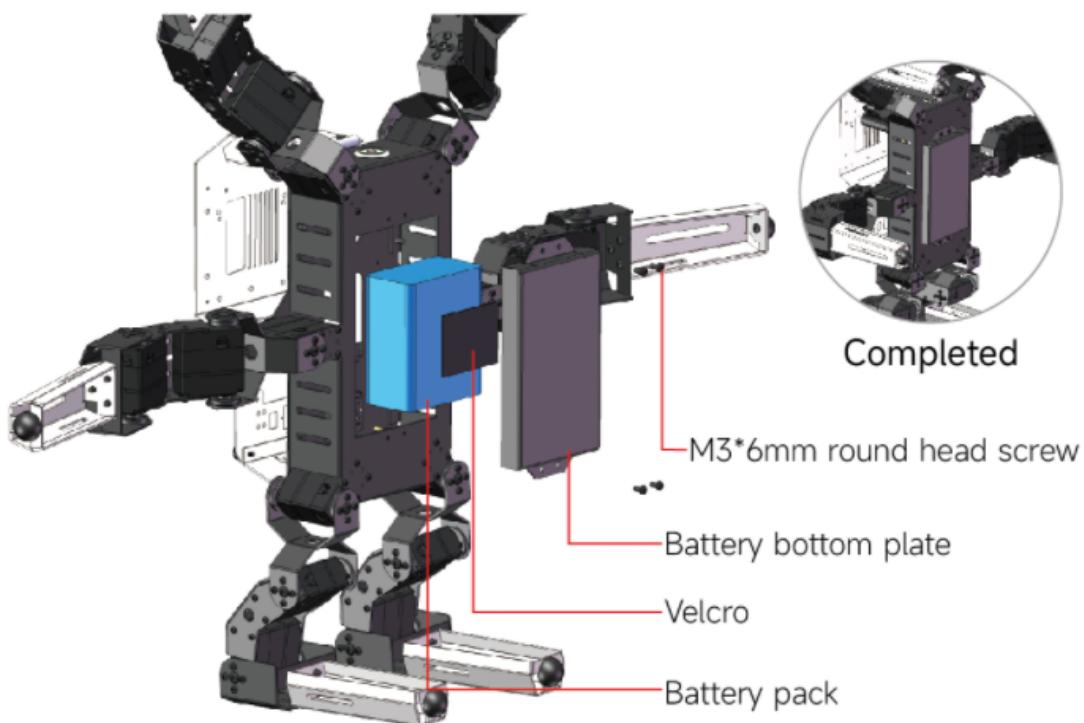
# Muto Vision Version Assembly Steps

## 1. Unload battery bottom plate

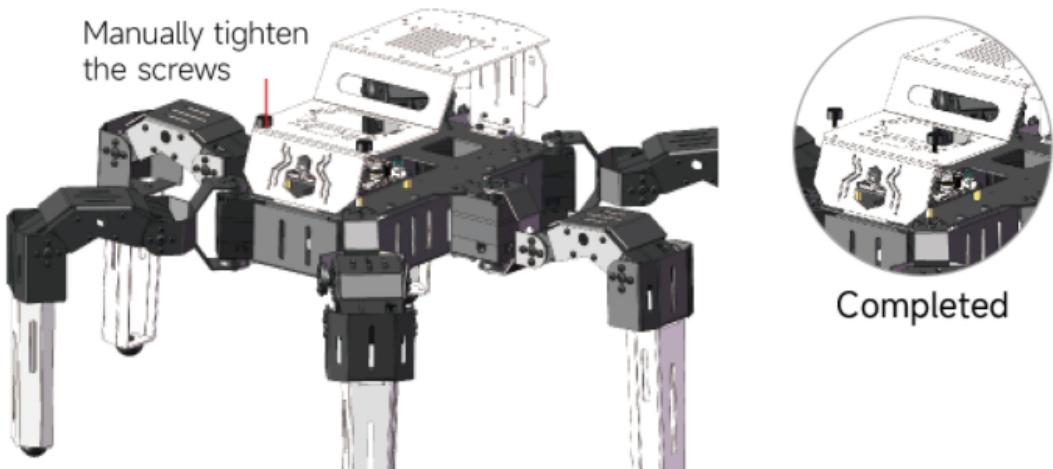


## 2. Install battery (Ensure power button is not pressed before installation)

Note: Connect the wiring of the battery pack first, and then put it into the position of the battery. When installing the battery, please stand the hexapod upright with the head facing down.



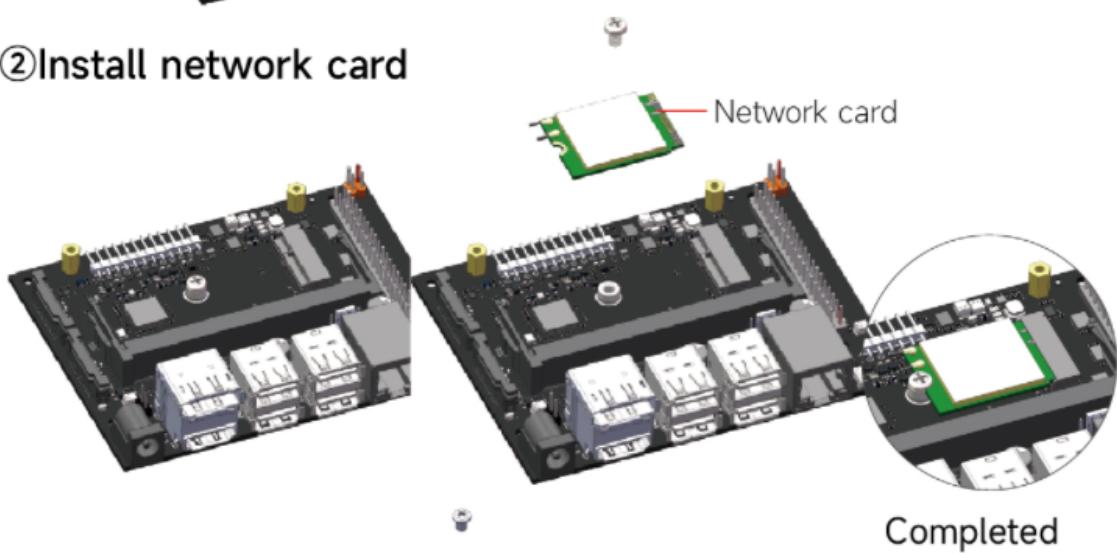
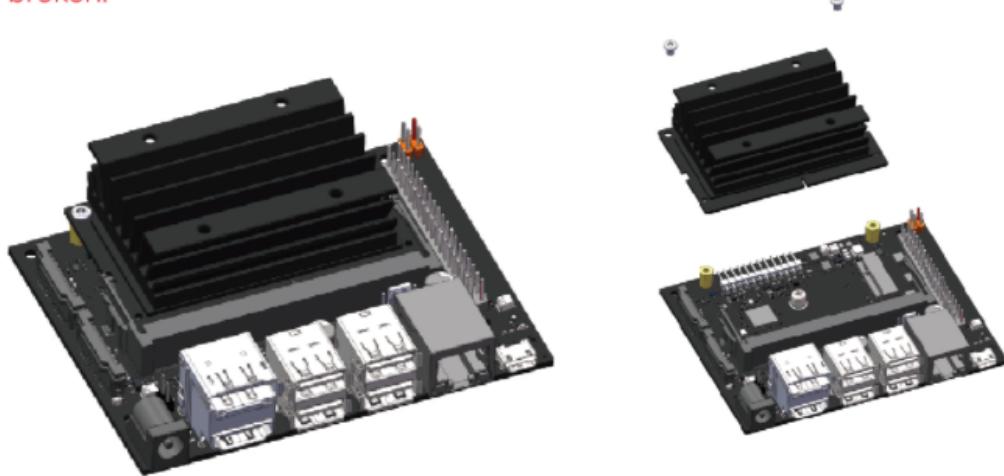
### 3. Open Muto top plate

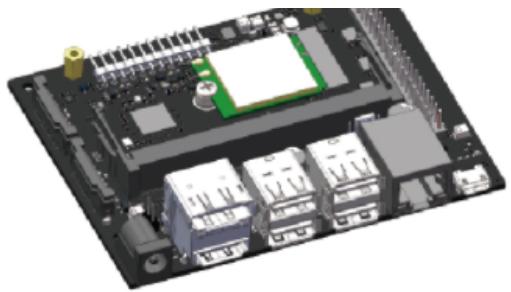


### 4. Install Jetson NANO board (Just for Jetson NANO version)

#### ① Remove the core board

Note: Please remove the core board carefully. The clips on both sides are easy to broken.

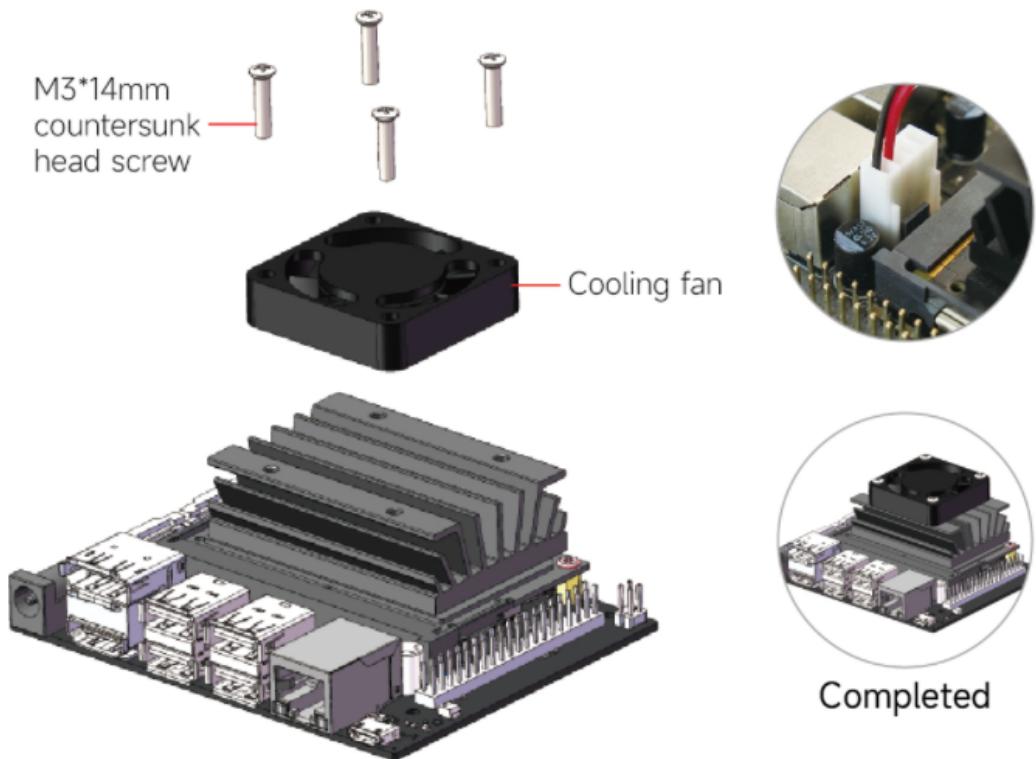




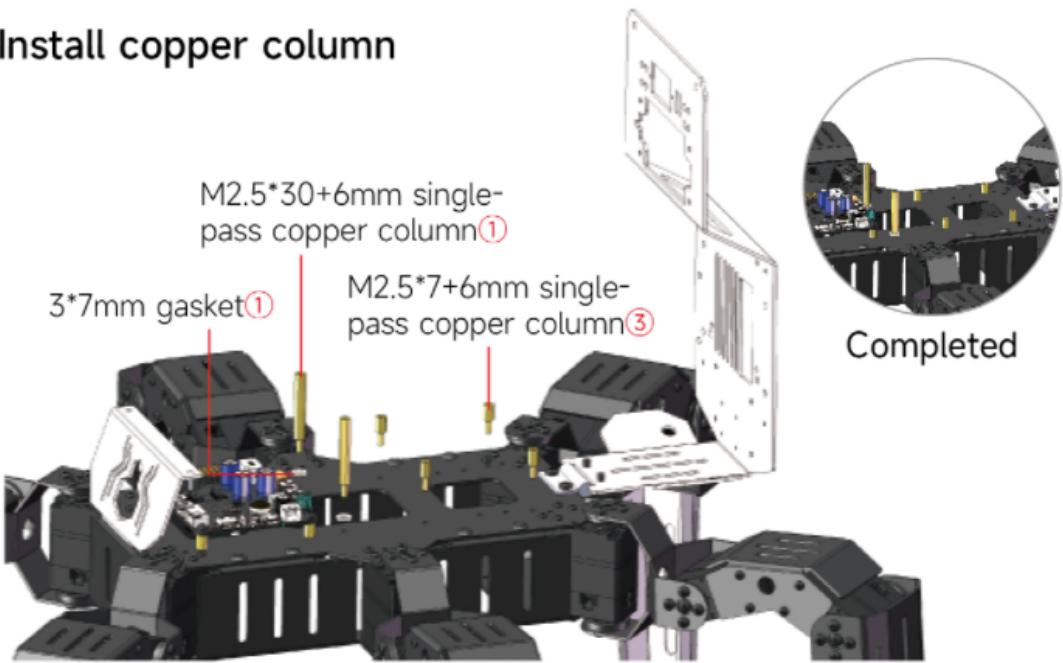
Completed

### ③Install cooling fan

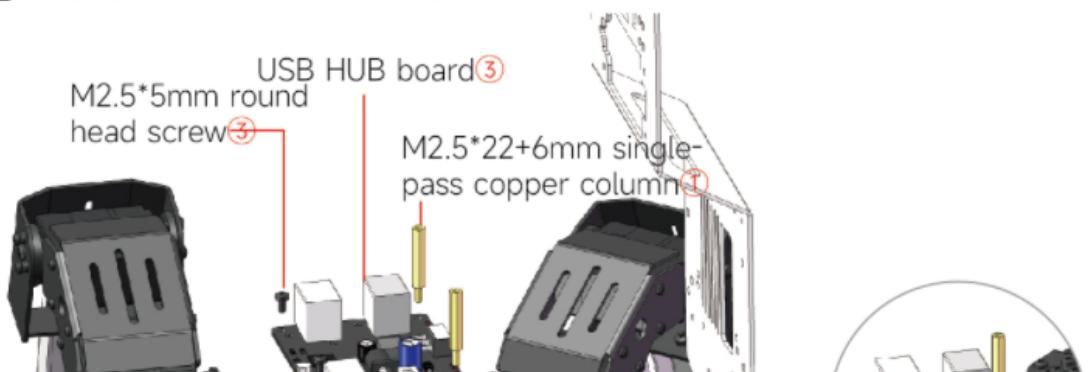
Note: After the fan is installed, connect the wires.

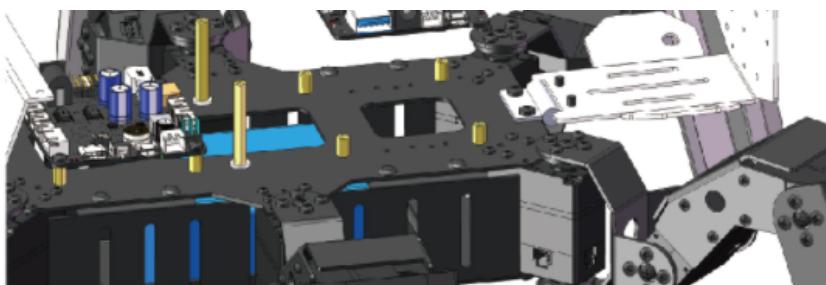


### ④Install copper column



### ⑤Install USB HUB board

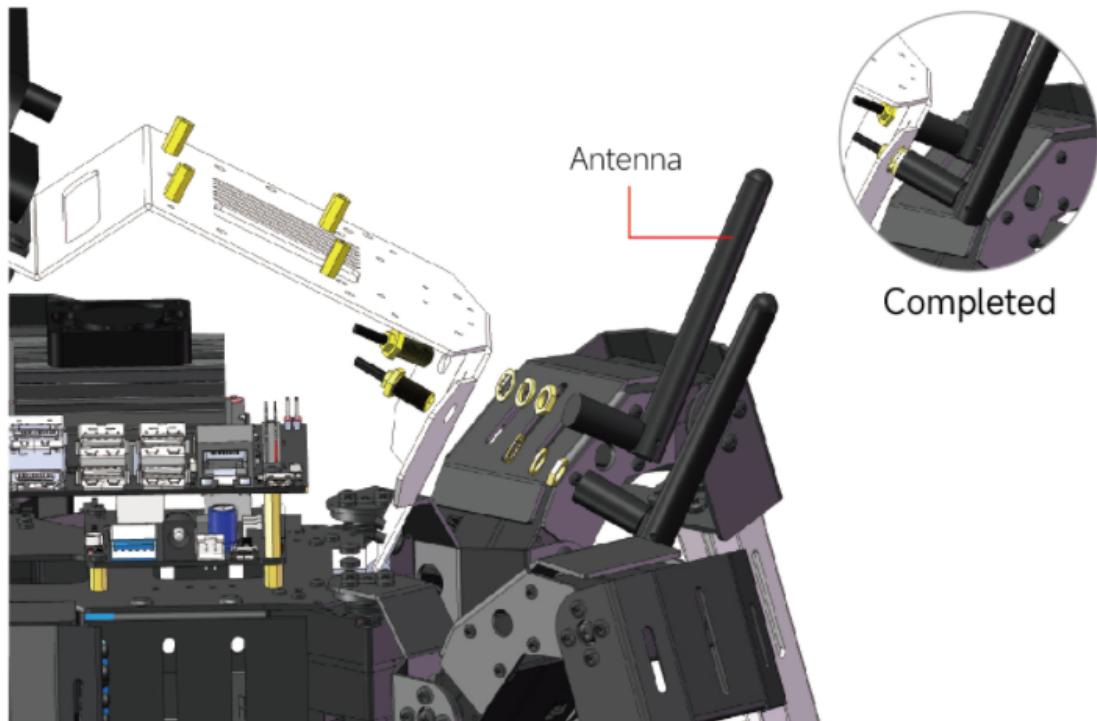




Completed

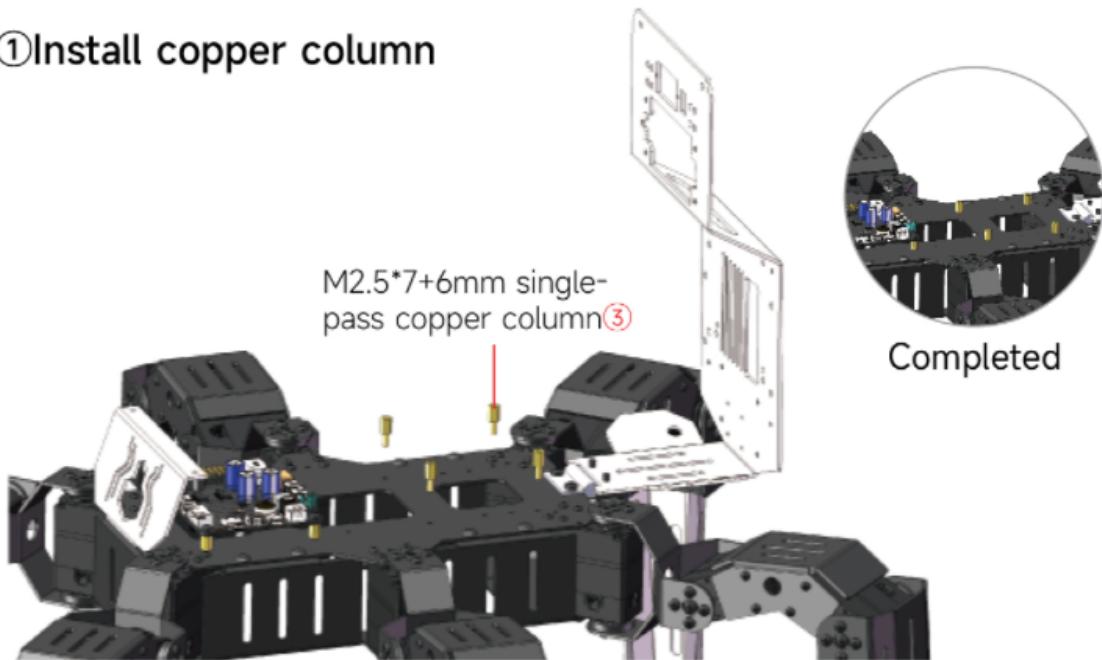


## ⑦Install Jetson NANO antenna

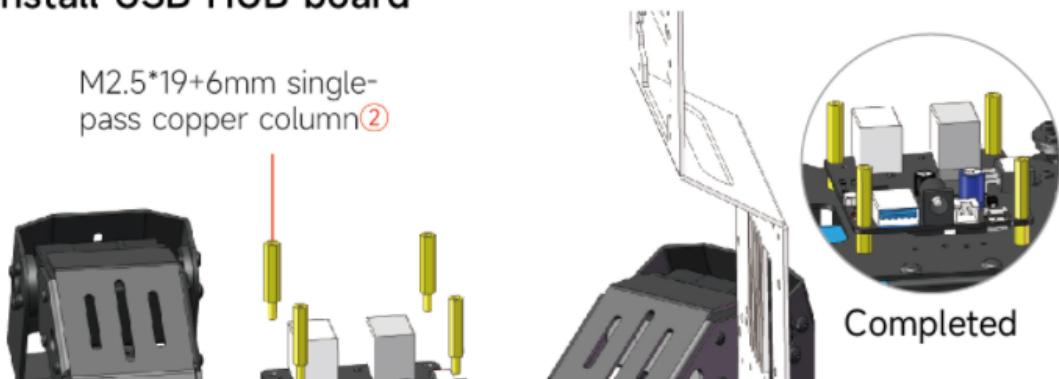


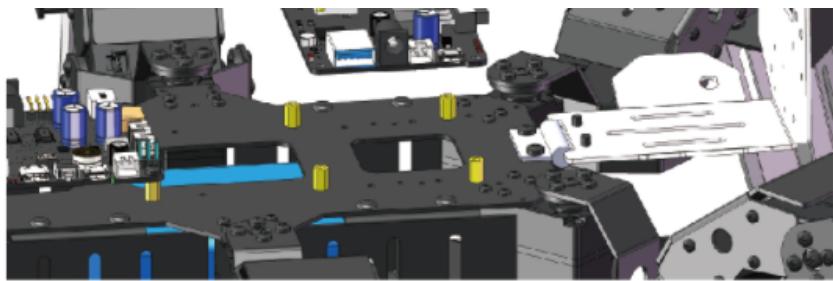
## 5. Install Raspberry Pi board (Just for Raspberry Pi version)

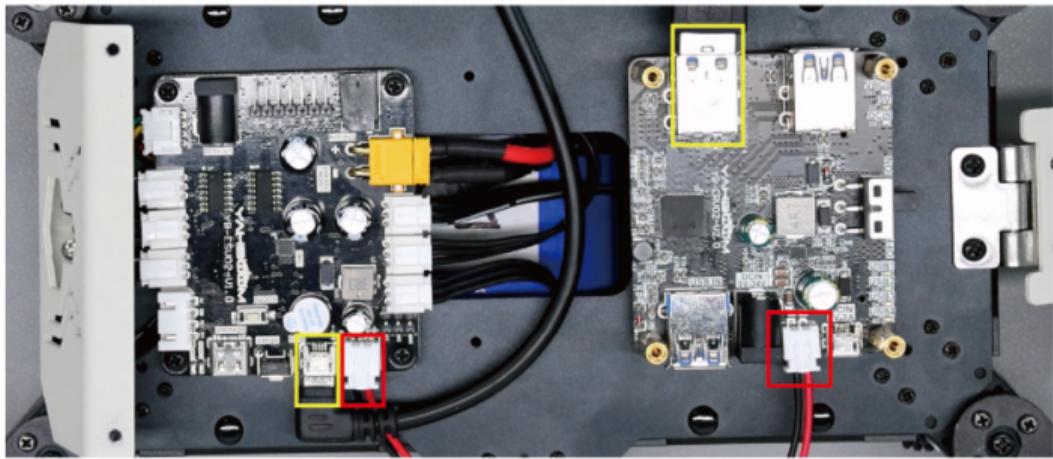
### ①Install copper column



### ②Install USB HUB board



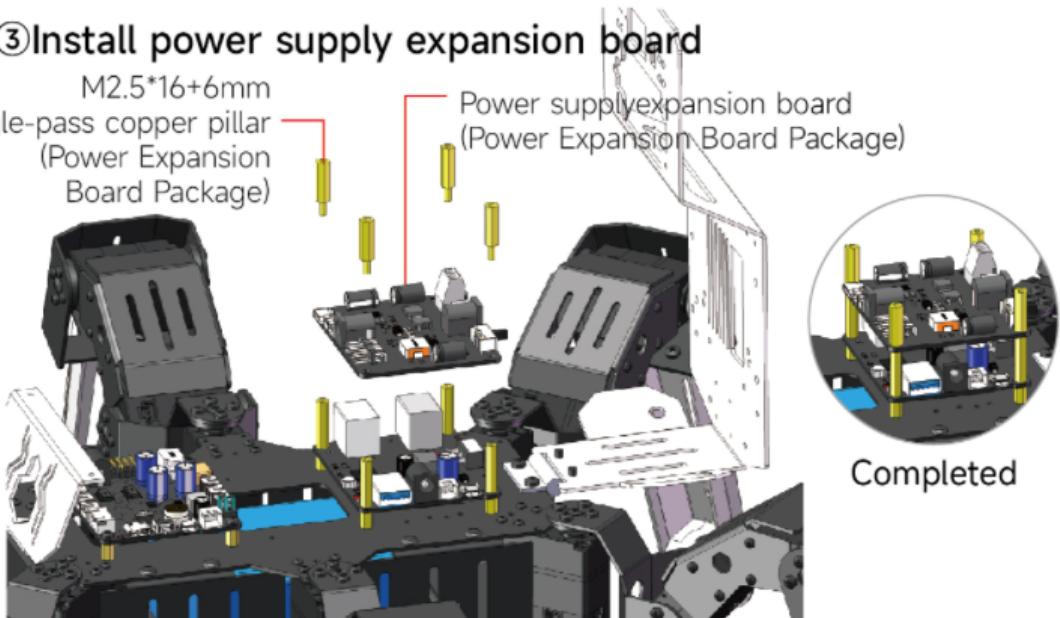




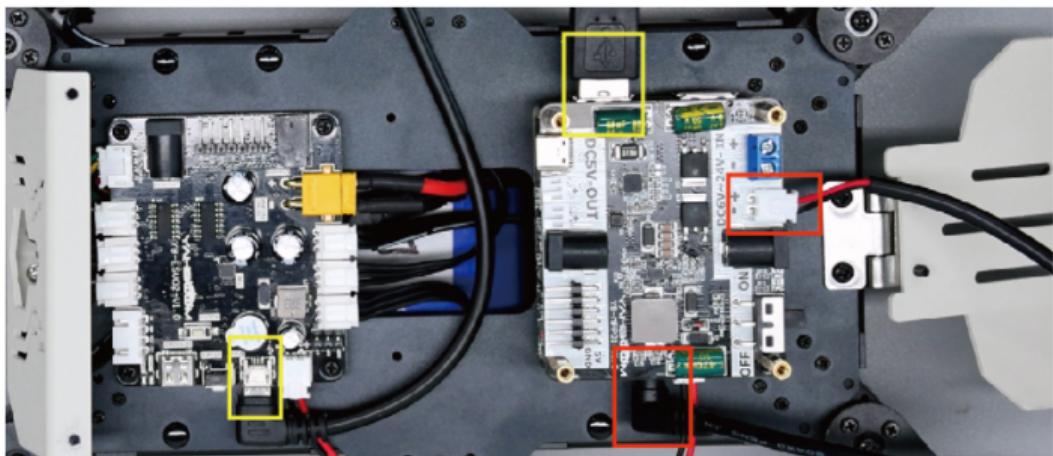
### ③Install power supply expansion board

M2.5\*16+6mm  
single-pass copper pillar  
(Power Expansion  
Board Package)

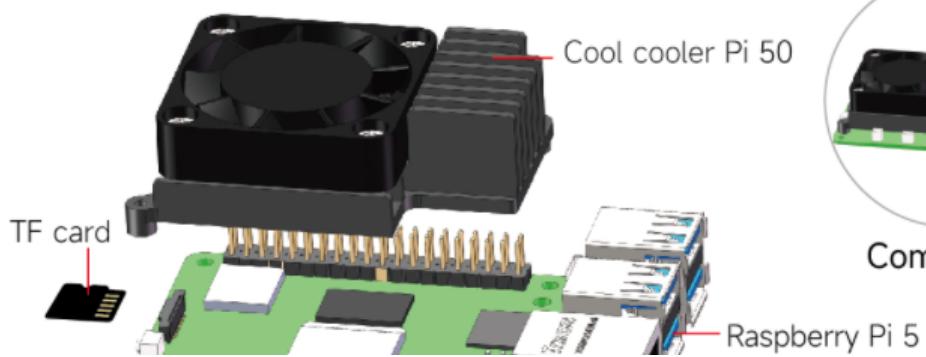
Power supply expansion board  
(Power Expansion Board Package)



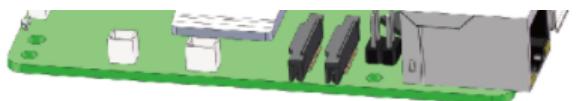
Completed



### ④Install Cool cooler Pi 50



Completed



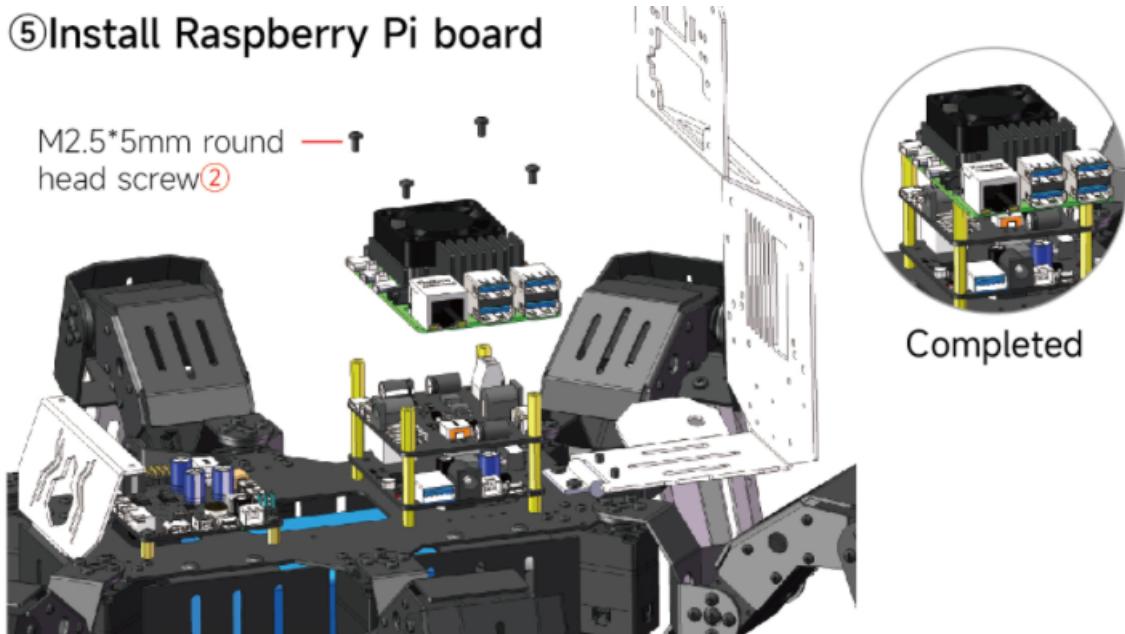
 M2.5\*5mm nylon screw

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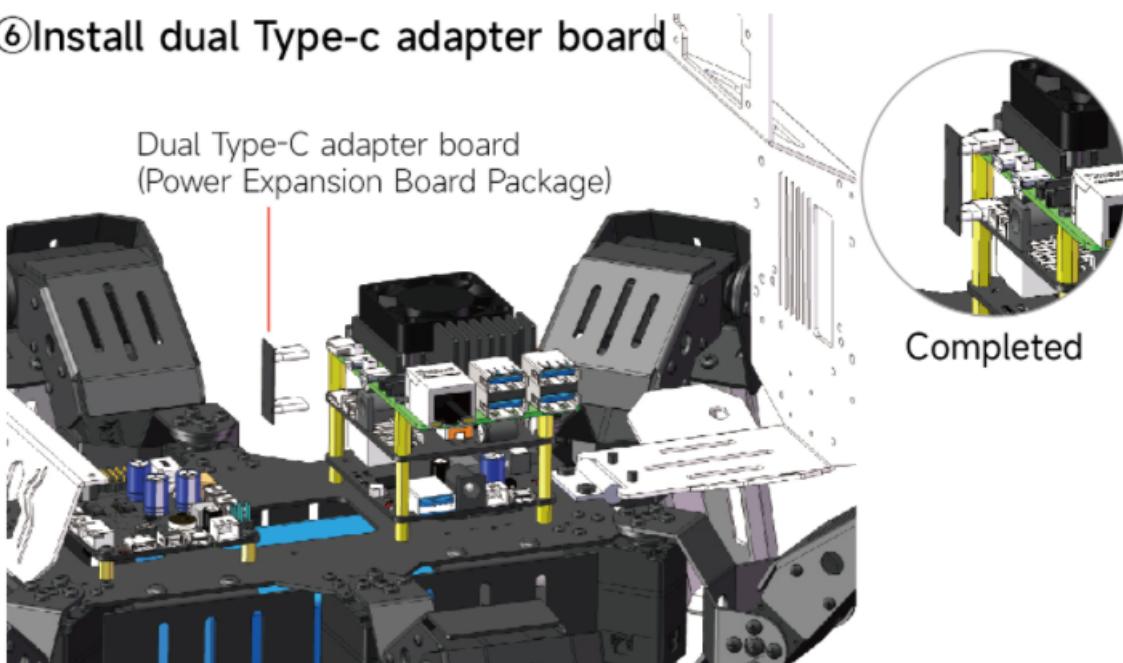
## ⑤Install Raspberry Pi board

M2.5\*5mm round head screw②

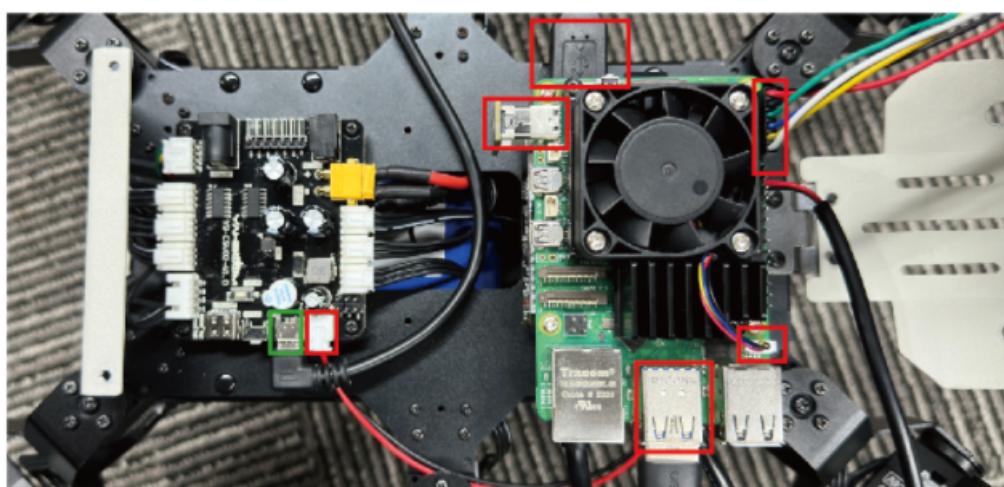


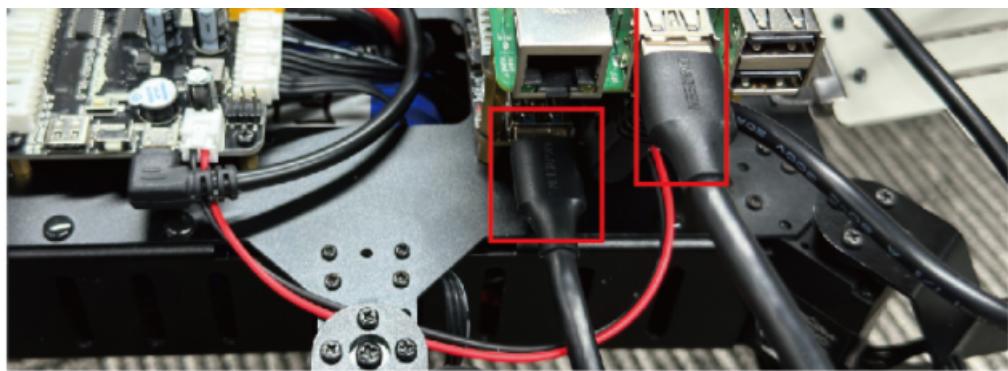
## ⑥Install dual Type-c adapter board

Dual Type-C adapter board  
(Power Expansion Board Package)

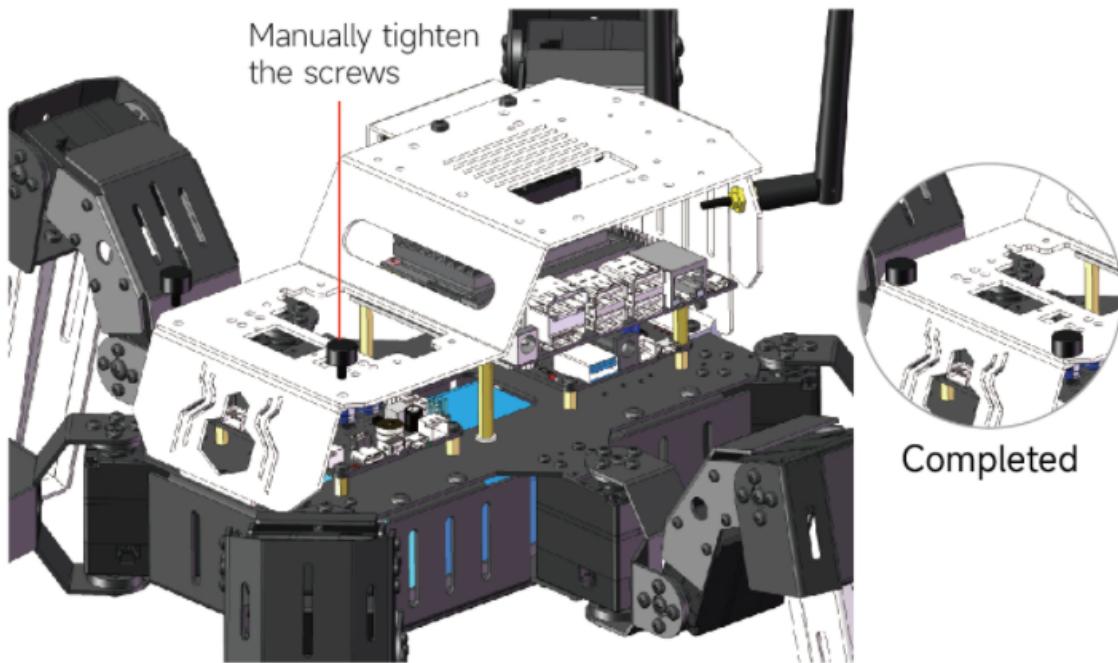


Please view pages 9, 10, 11 for wiring details.



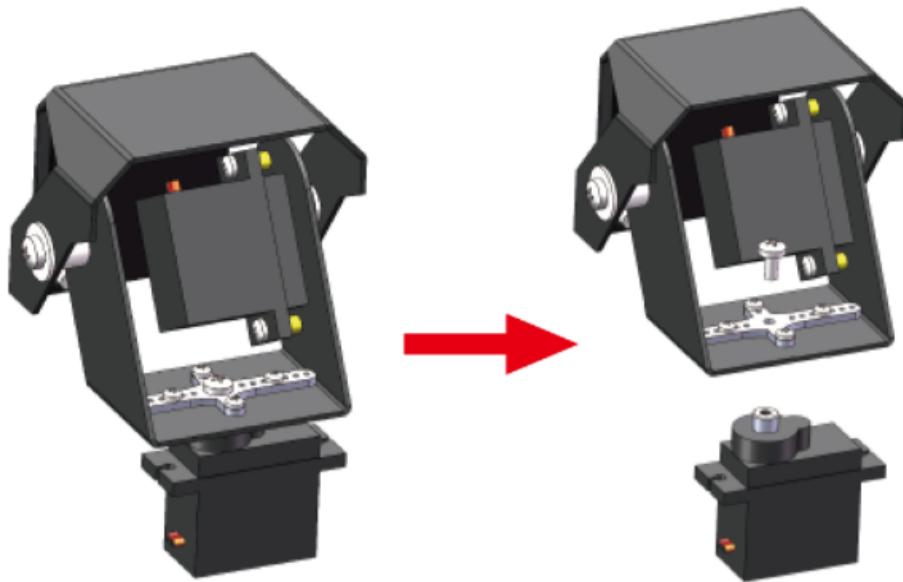


## 6. Close Muto top plate (Nano version as an example)



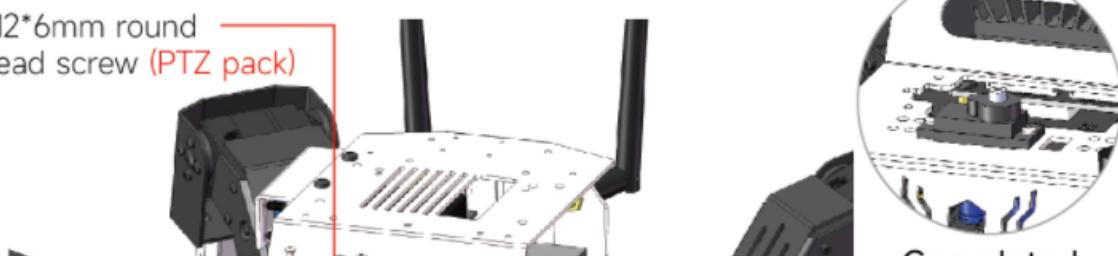
## 7. Unload camera PTZ basic version: Unscrew the center screw of the steering wheel and separate the PTZ

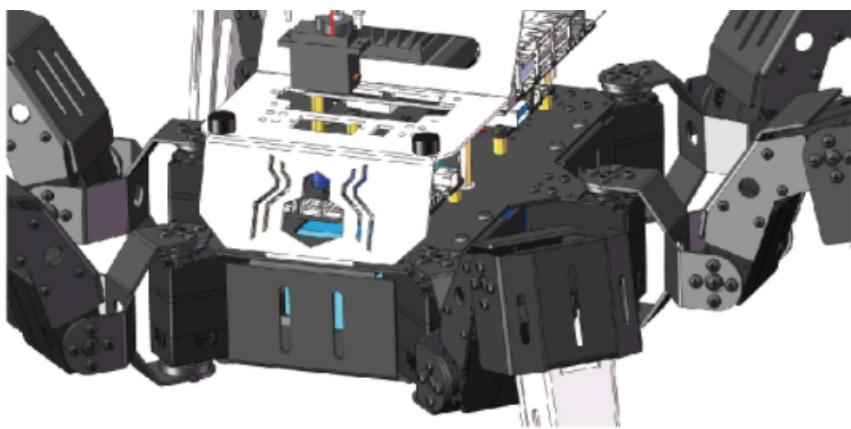
Note: Do not change the direction of the PTZ



## 8. Install camera PTZ

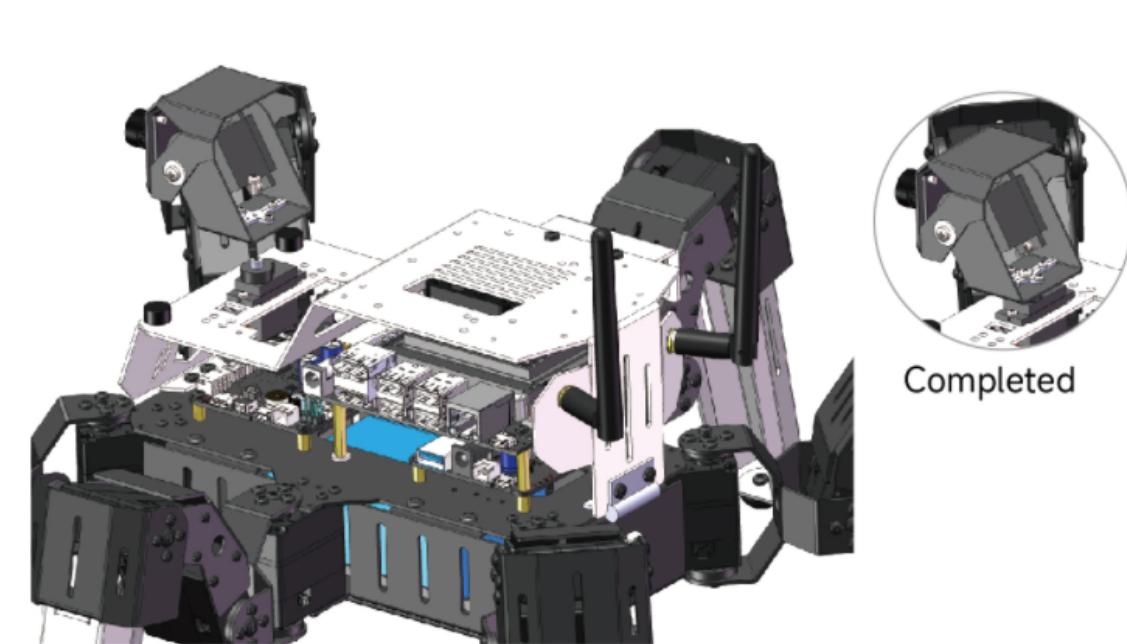
M2\*6mm round head screw (PTZ pack)





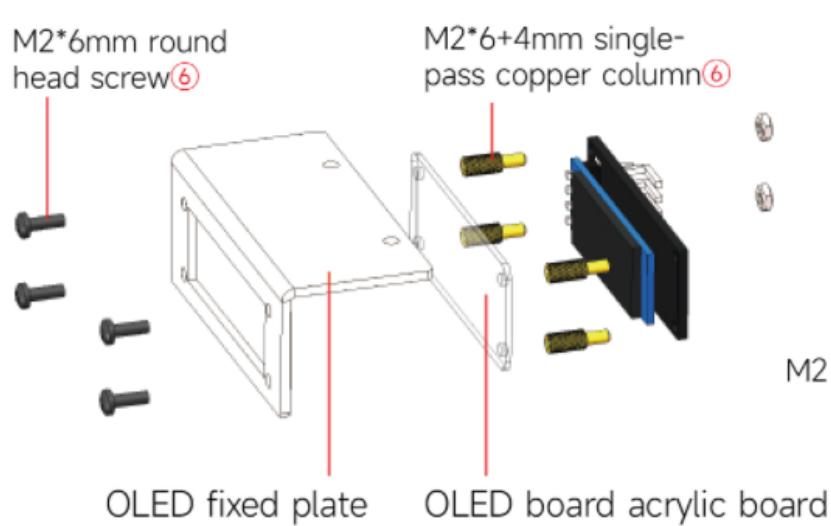
Completed

## 9. Install camera PTZ



Completed

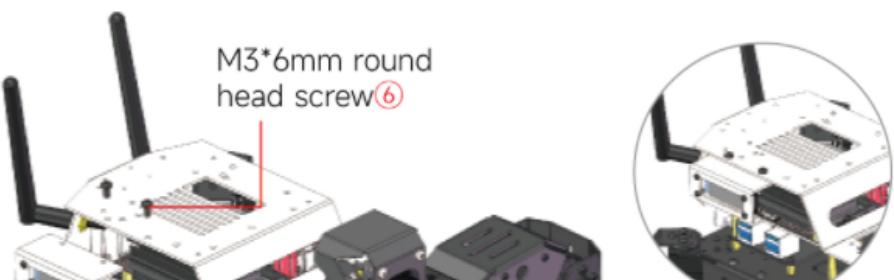
## 10. Install OLED screen

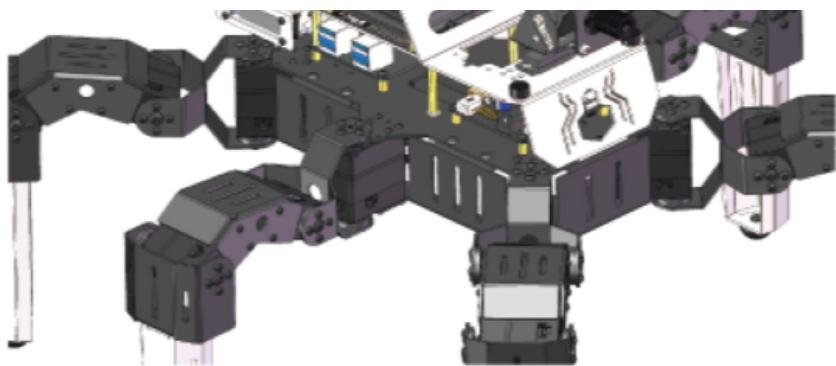


Completed

## 11. Install OLED screen to robot

Note: Connect the OLED screen wires before installation



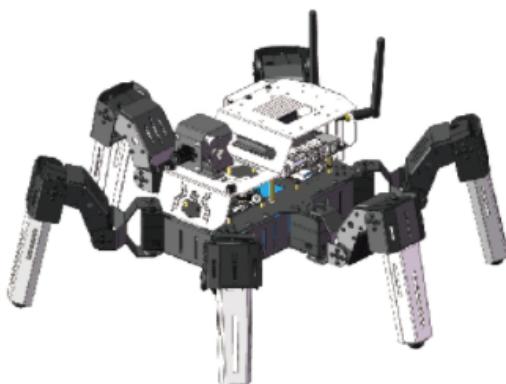


Completed

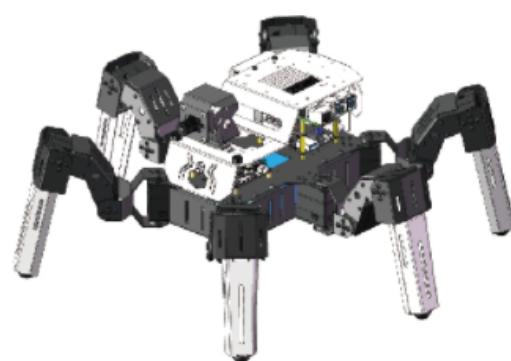
The installation is complete



(Basic version)



(Vision version-NANO)



(Vision version  
-RaspberryPi)

## U disk/SD card Installation (Vision Version)

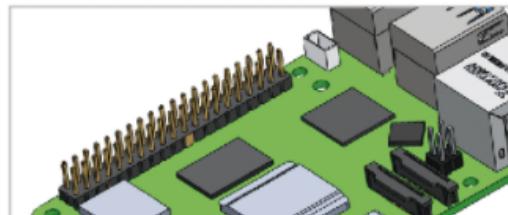
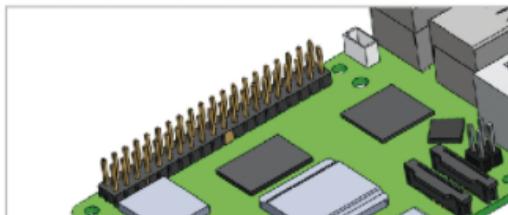
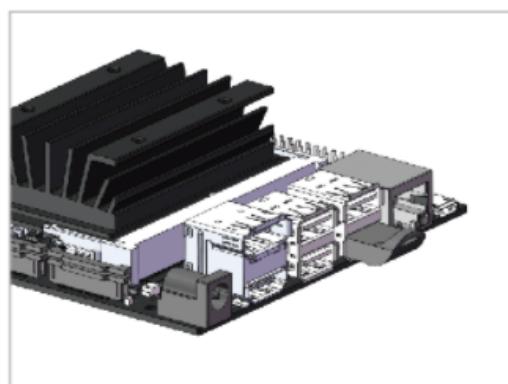
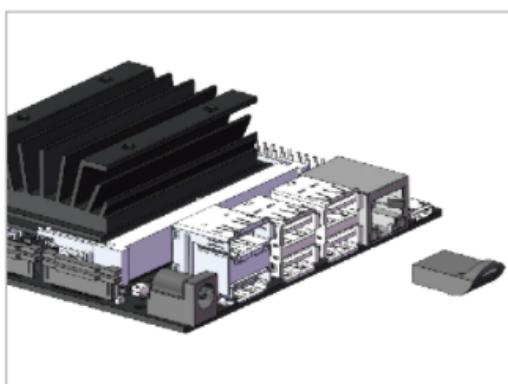




Figure 1-2 Insert USB disk into Jetson Nano board.

Figure 3-4 Insert TF card into Raspberry Pi board.