

Robot assembly tutorial

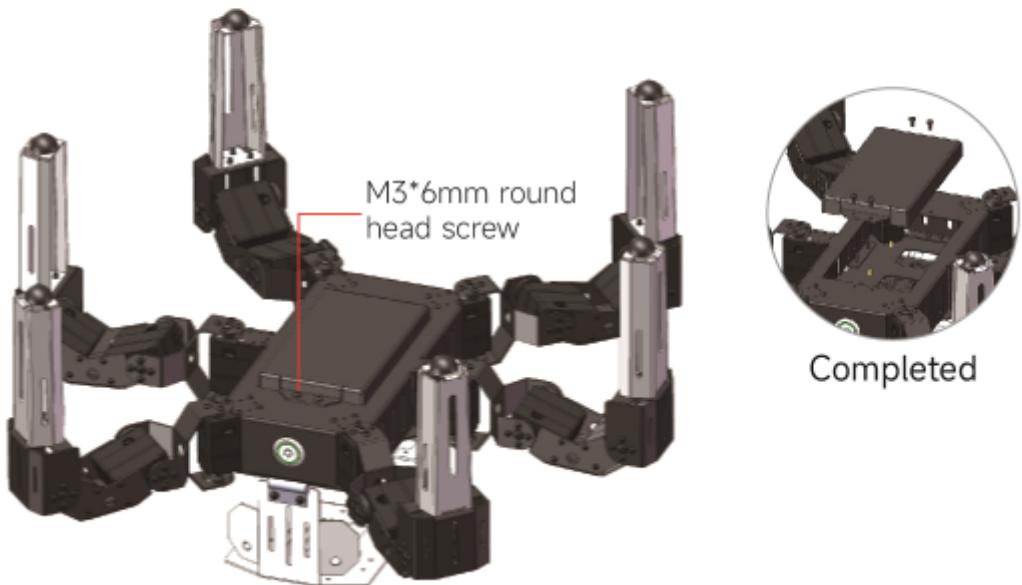
[Robot assembly tutorial](#)

[Visual version S2 assembly tutorial](#)

Visual version S2 assembly tutorial

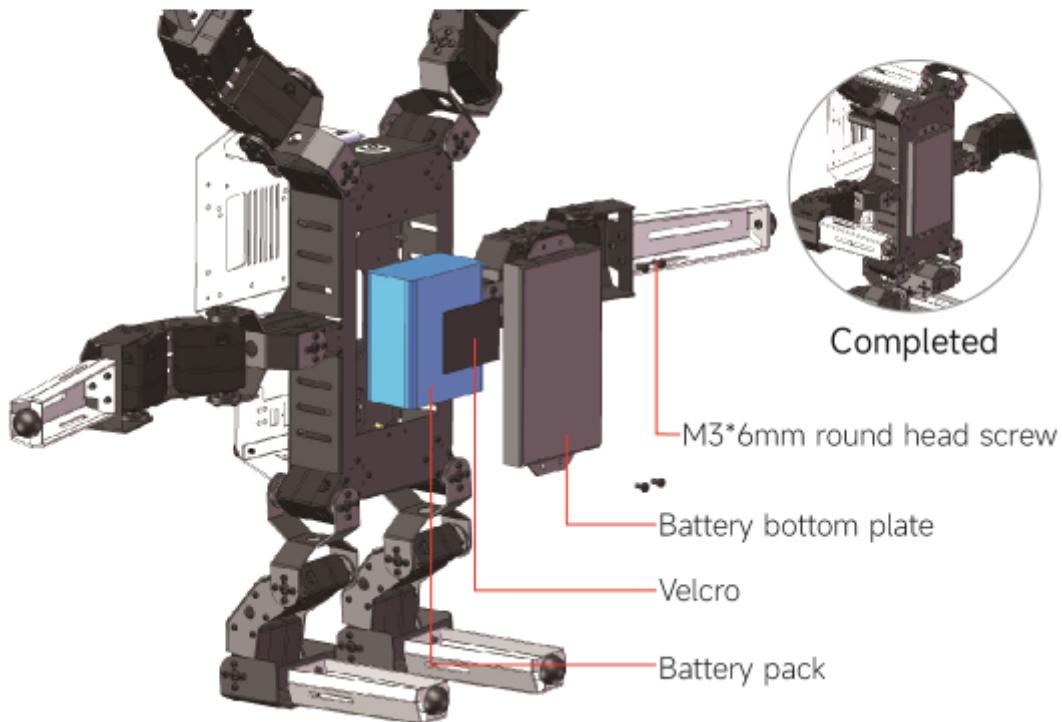
Muto Basic Version Assembly Steps

1. Unload battery bottom plate

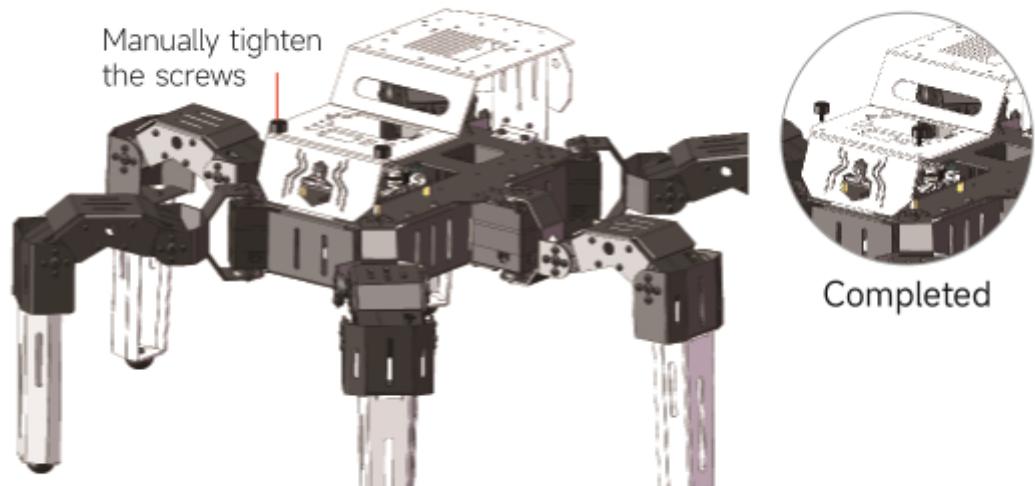


2. Install battery (Ensure power button is not pressed before installation)

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



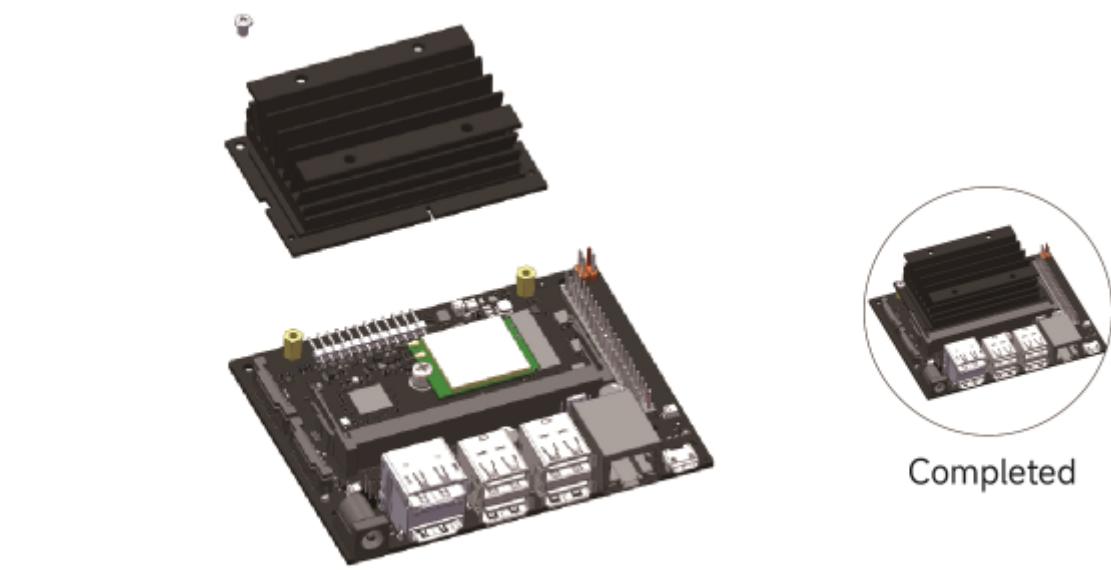
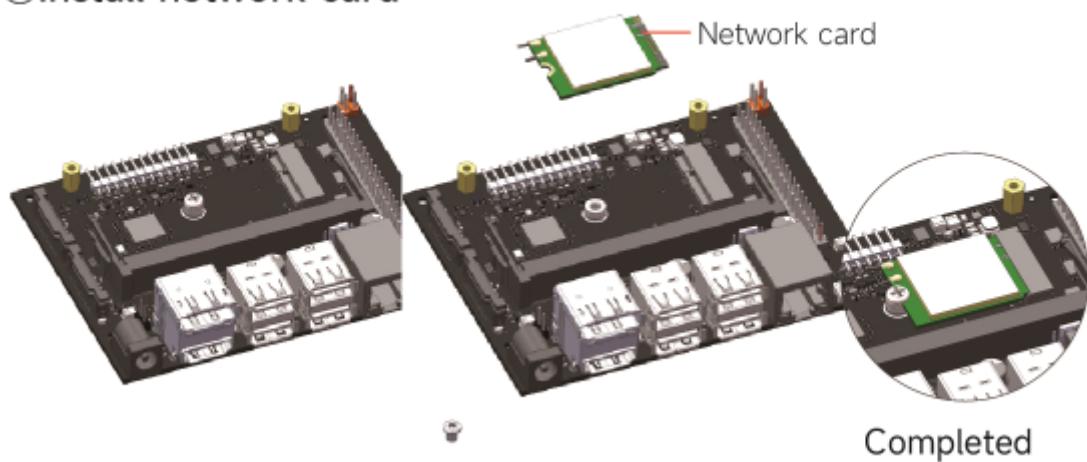
4. Install Jetson NANO board (Just for Jetson NANO version)

① Remove the core board

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

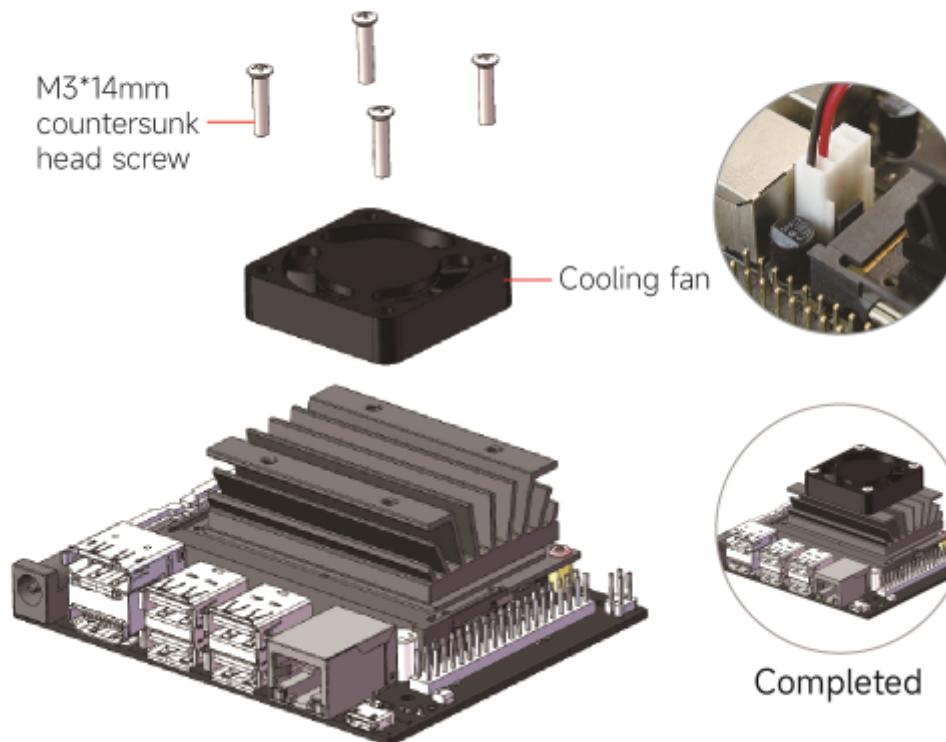


② Install network card

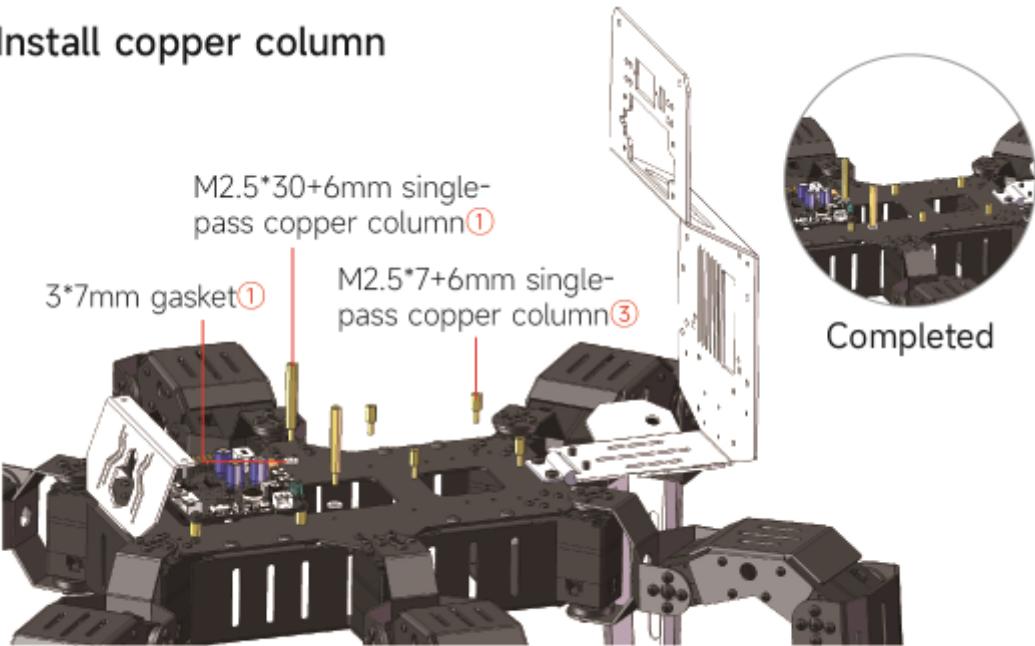


③Install cooling fan

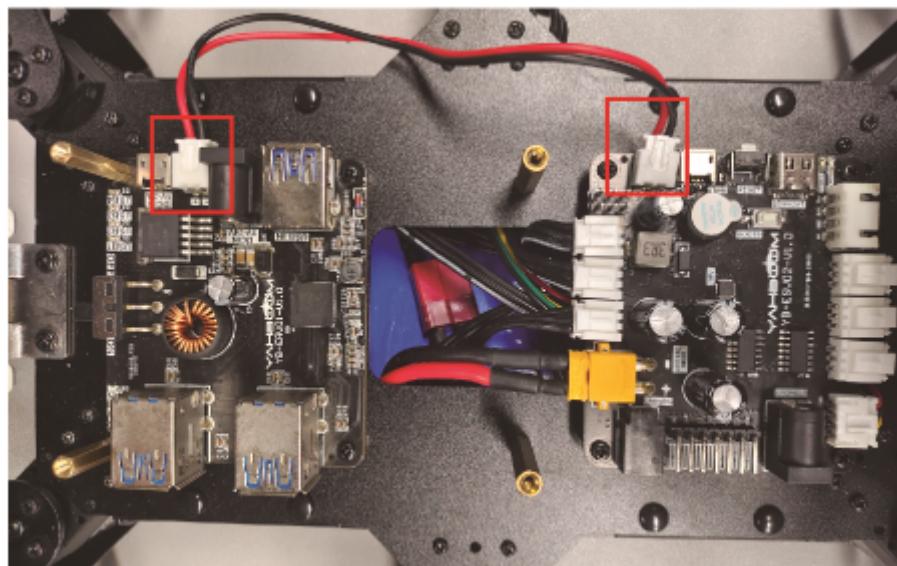
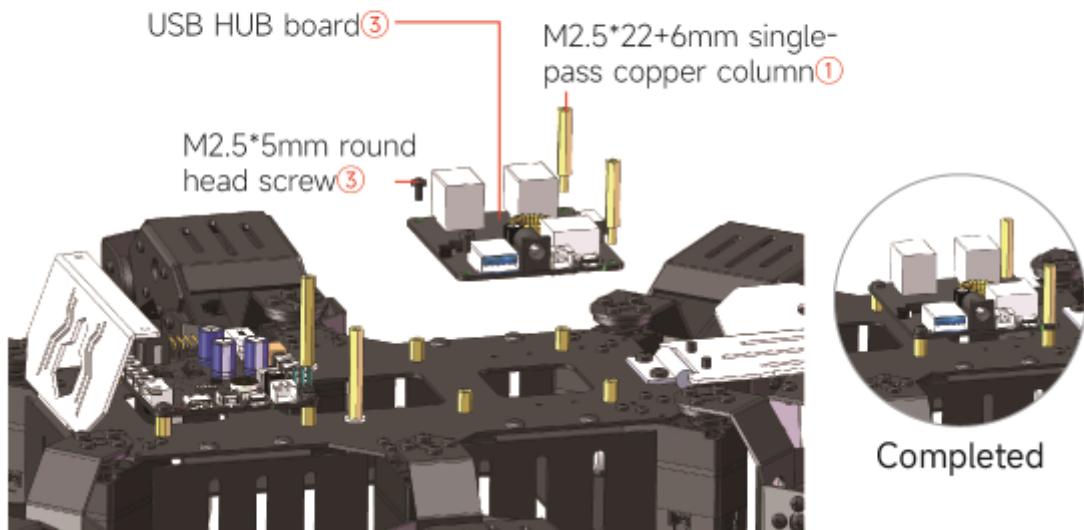
Note: After the fan is installed, connect the wires.



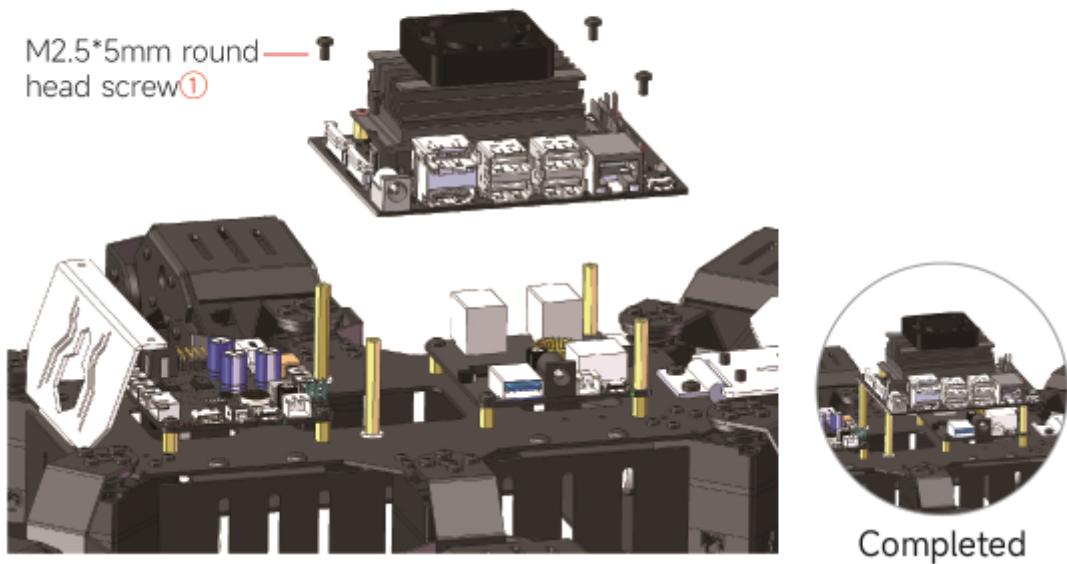
④Install copper column



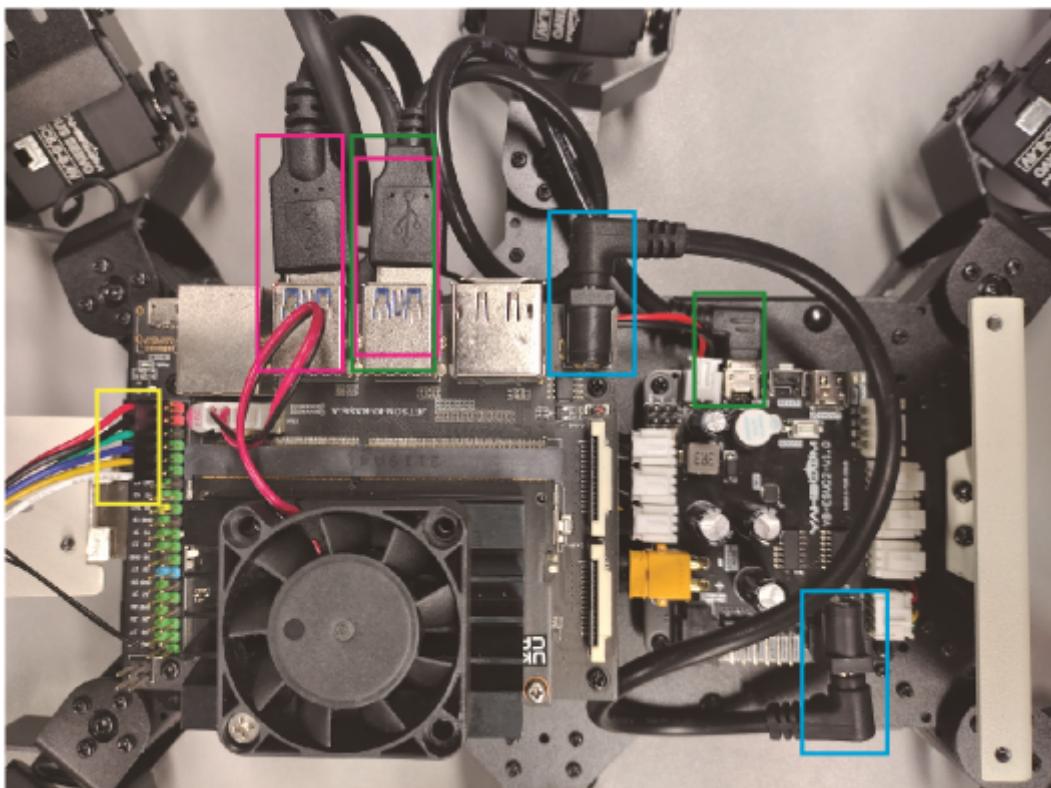
⑤Install USB HUB board



⑥Install Jetson NANO board



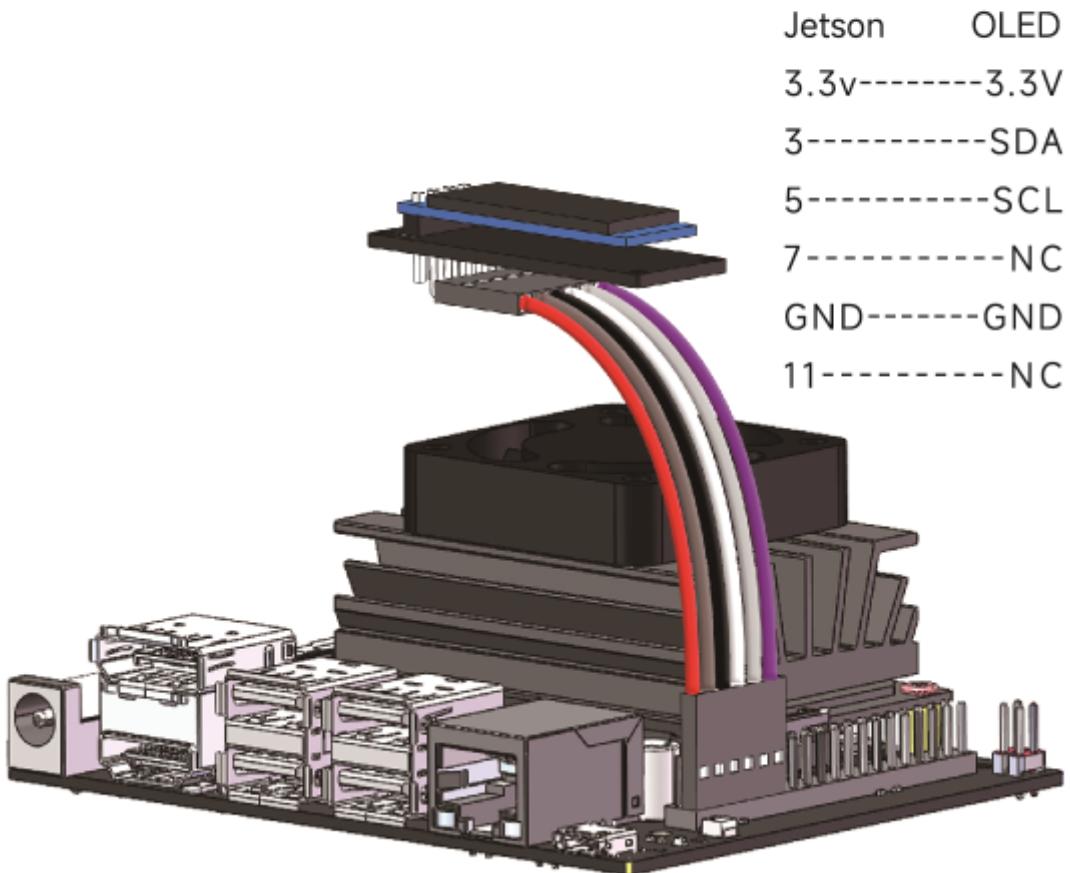
The part in the yellow frame is the connection line of the OLED screen, and one end should be connected to the main board firstly; please refer to P25, 26, and 27 for wiring details.



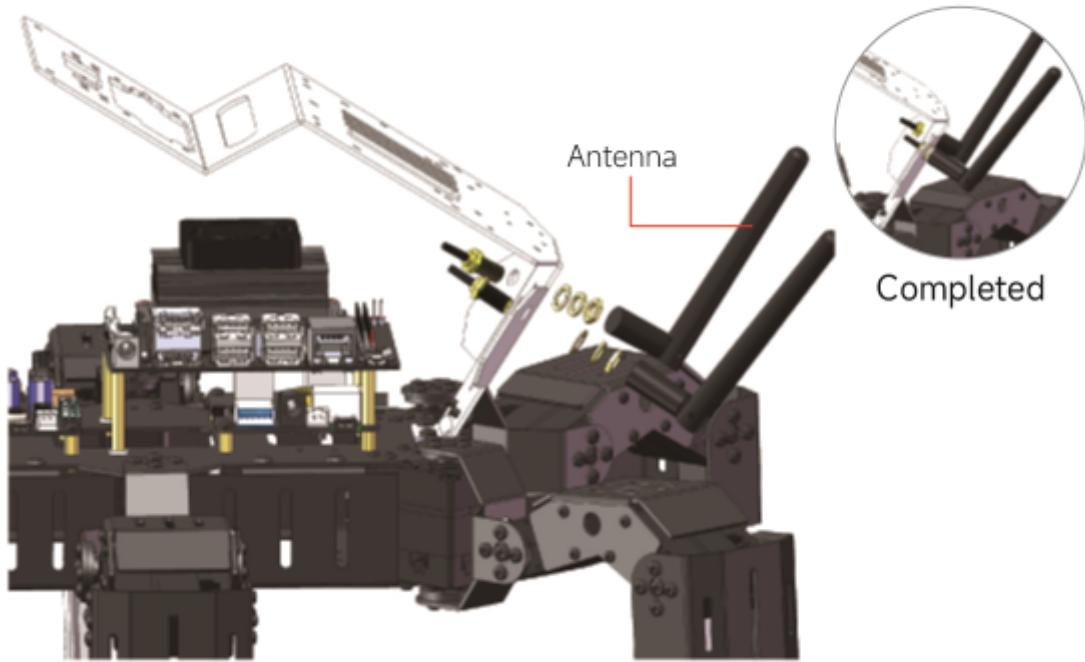
OLED module wiring diagram (Vision Version)

1. For Jetson version

(Please connect the OLED and Jetson board correctly, as shown below.)

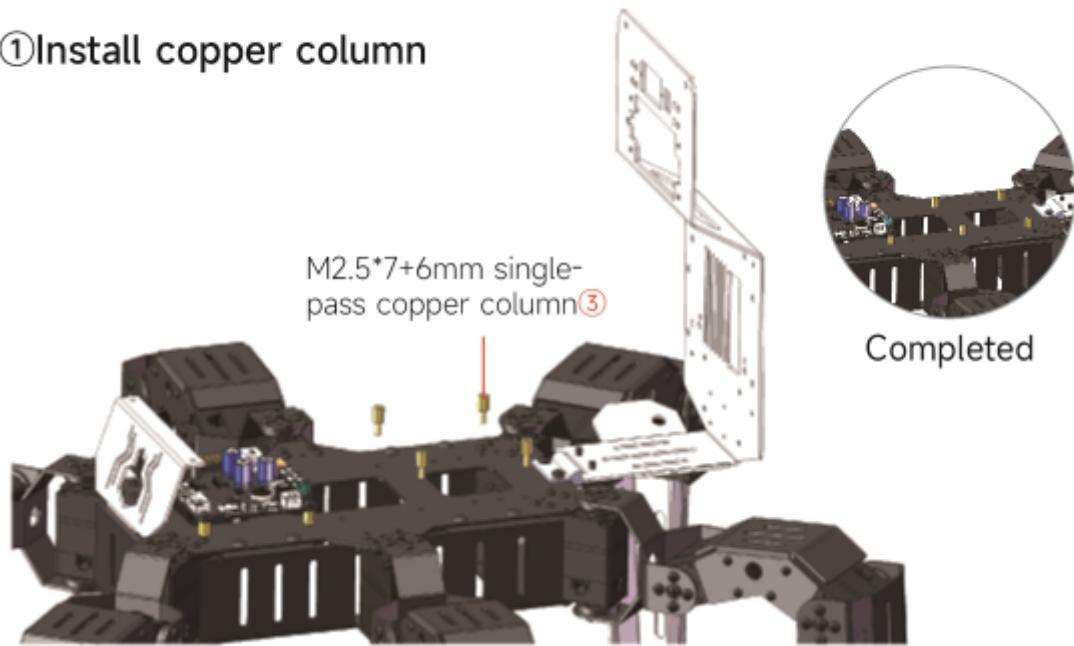


⑦Install Jetson NANO antenna

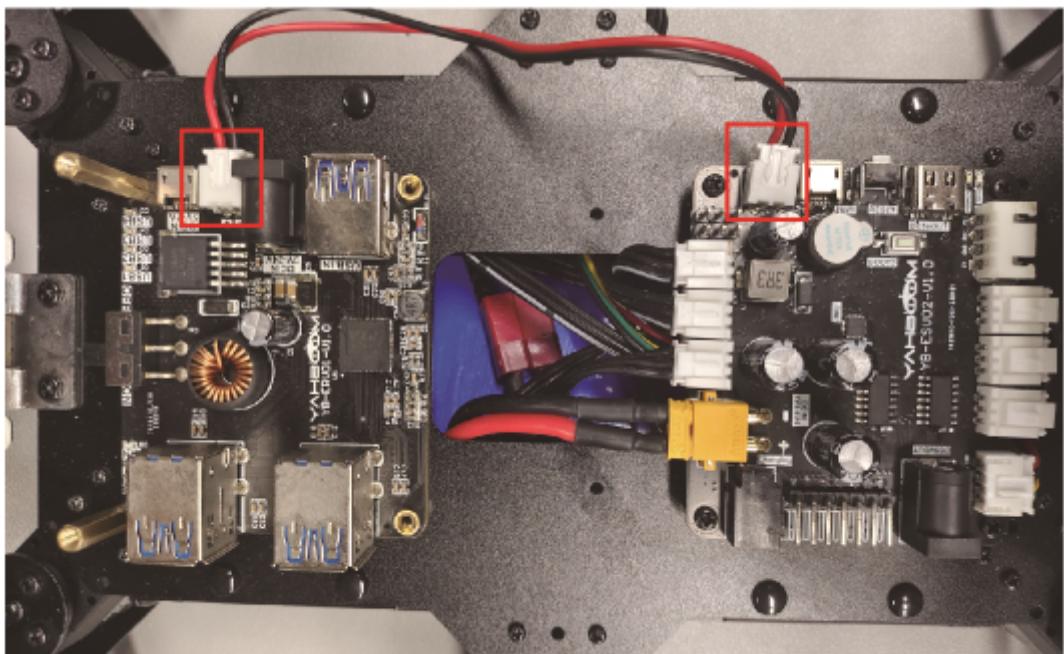
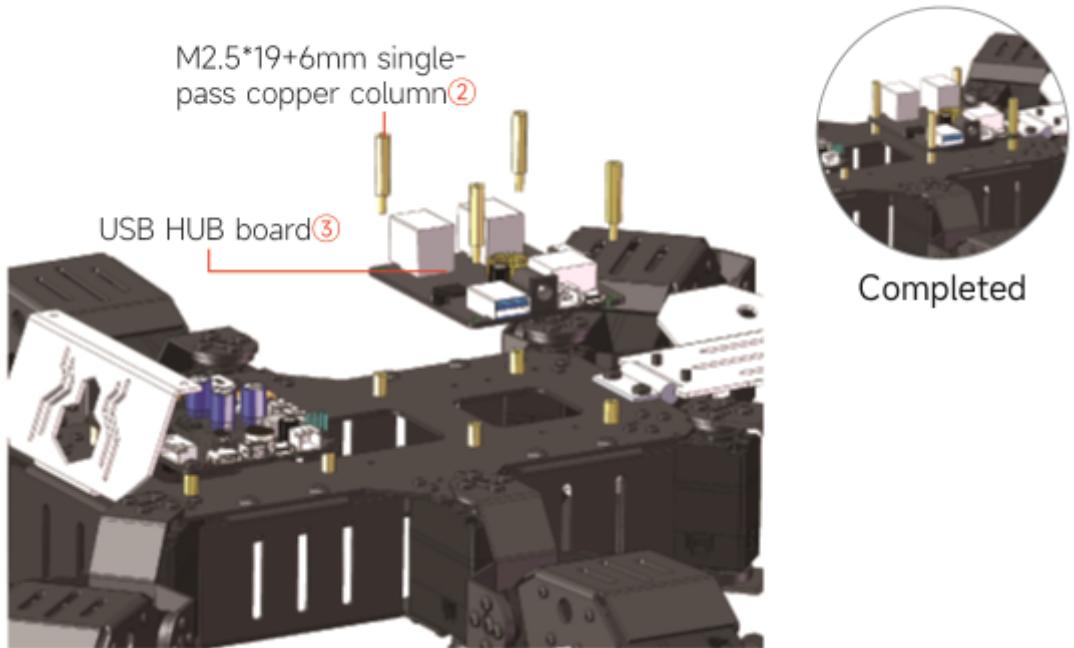


5. Install Raspberry Pi board (Just for Raspberry Pi version)

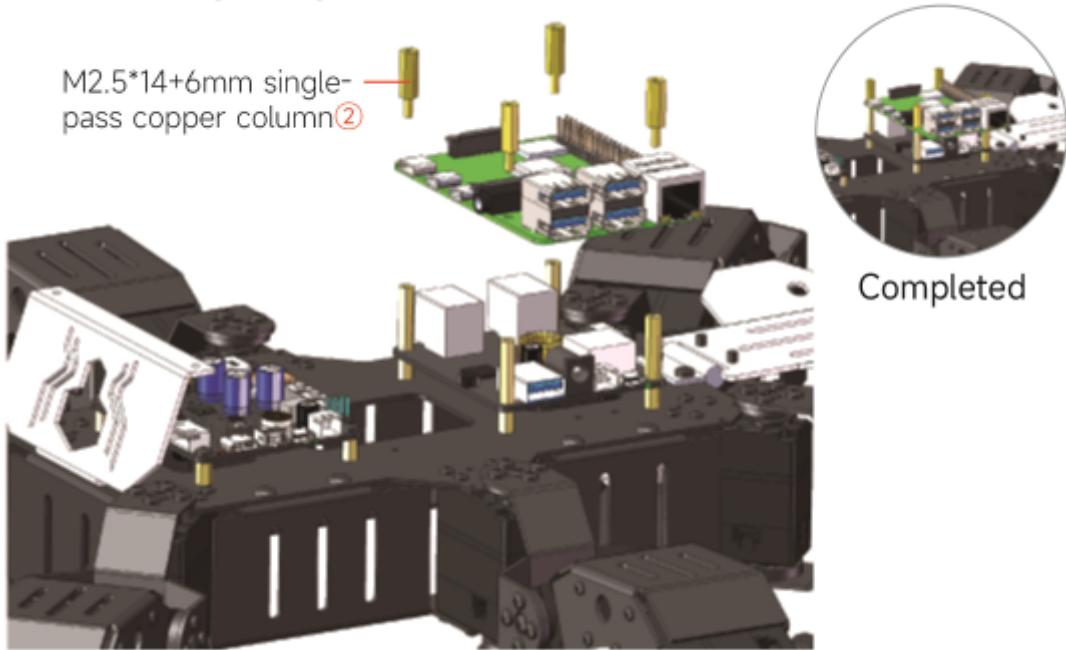
①Install copper column



②Install USB HUB board

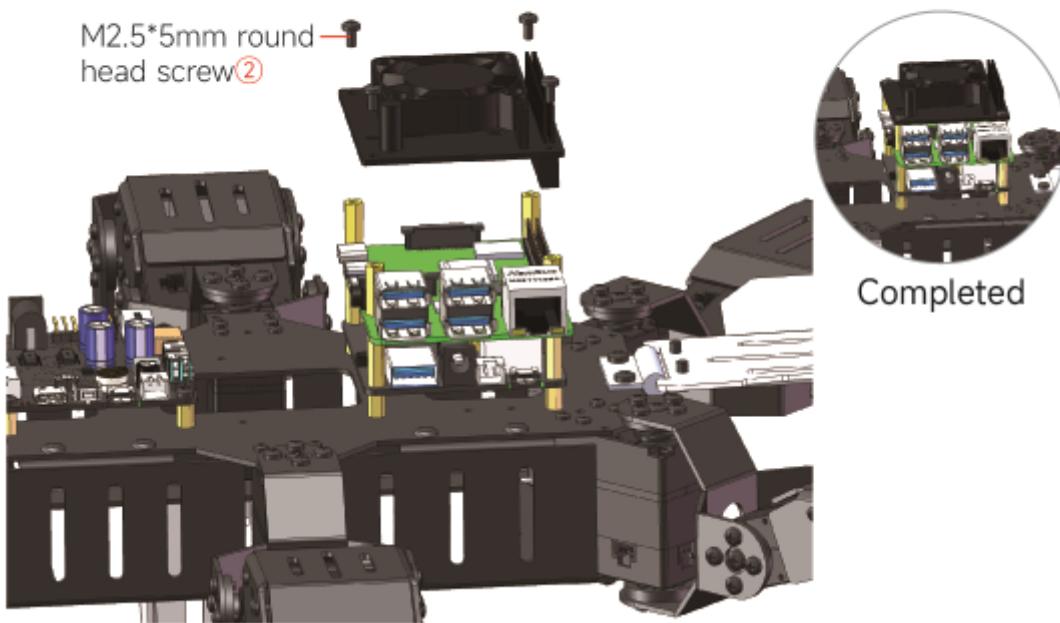


③Install Raspberry Pi board

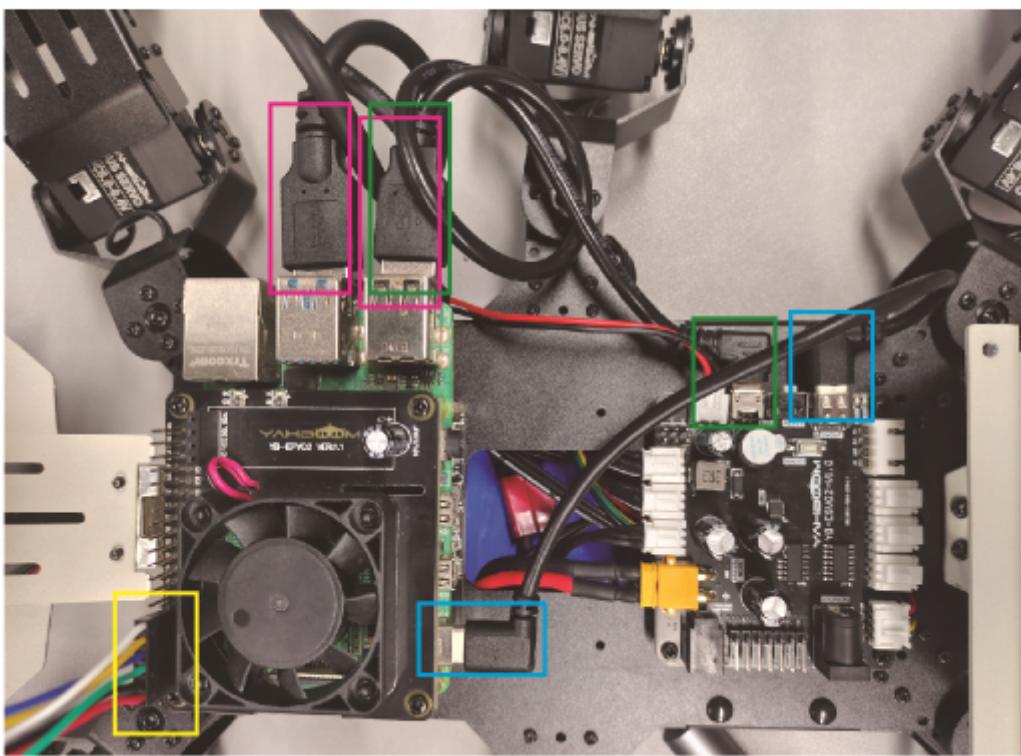


④Install RGB cooling HAT

Note: After the installation is complete, connect the OLED screen wires.

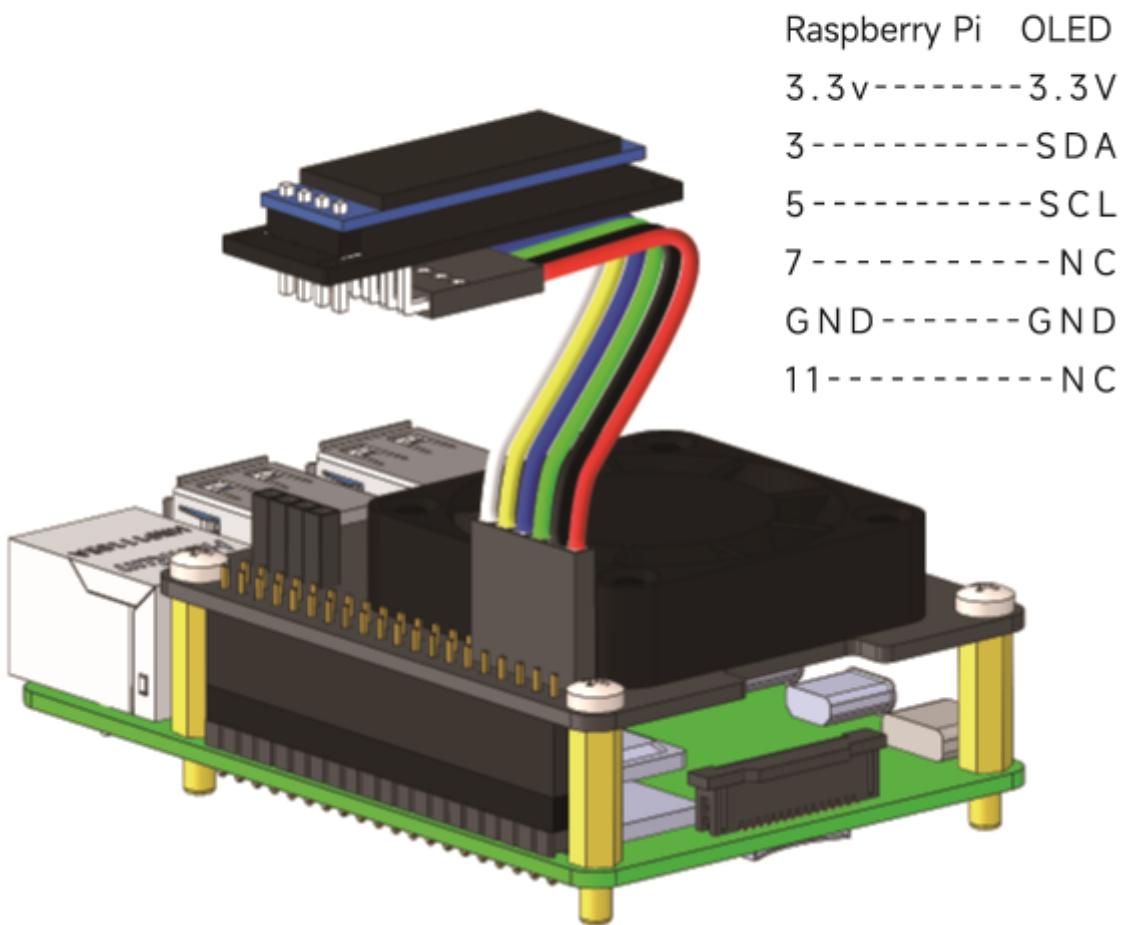


Yellow area represents the OLED connection cable, please refer to P27 for wiring details.

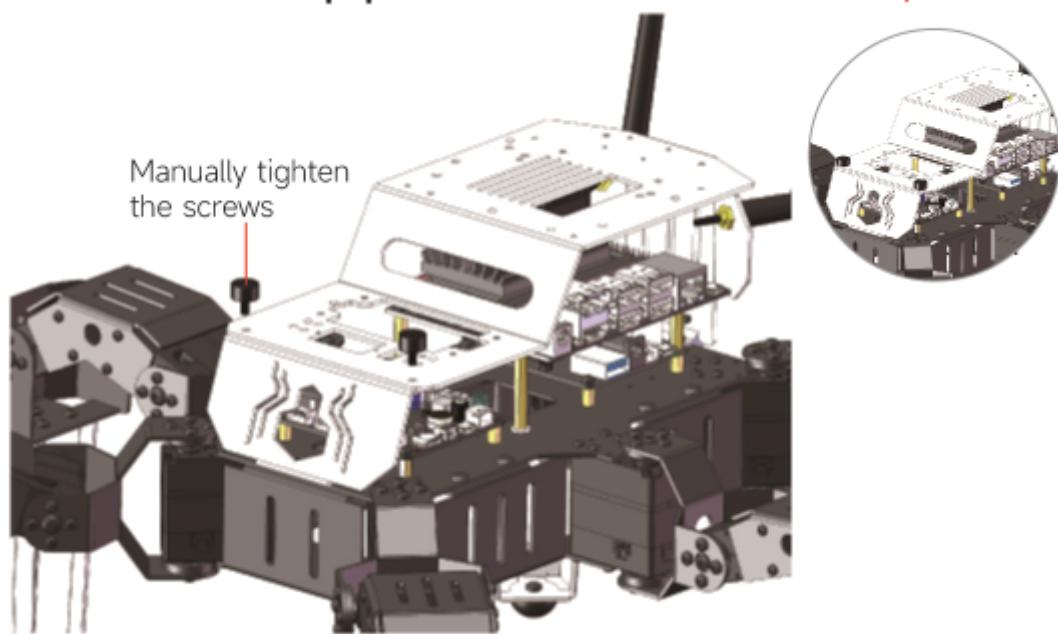


2. For Raspberry Pi version

(Please connect the OLED and Raspberry Pi board correctly, as shown below.)

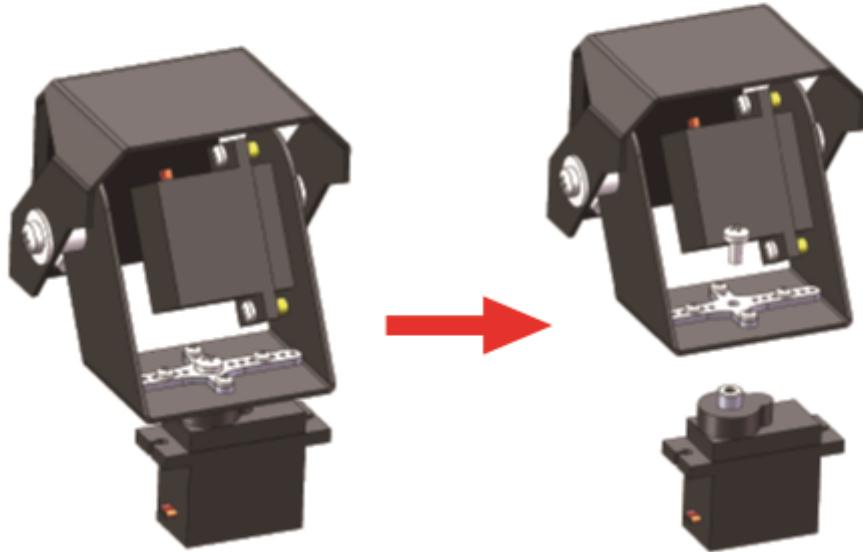


6. Close Muto top plate (Nano version as an example)

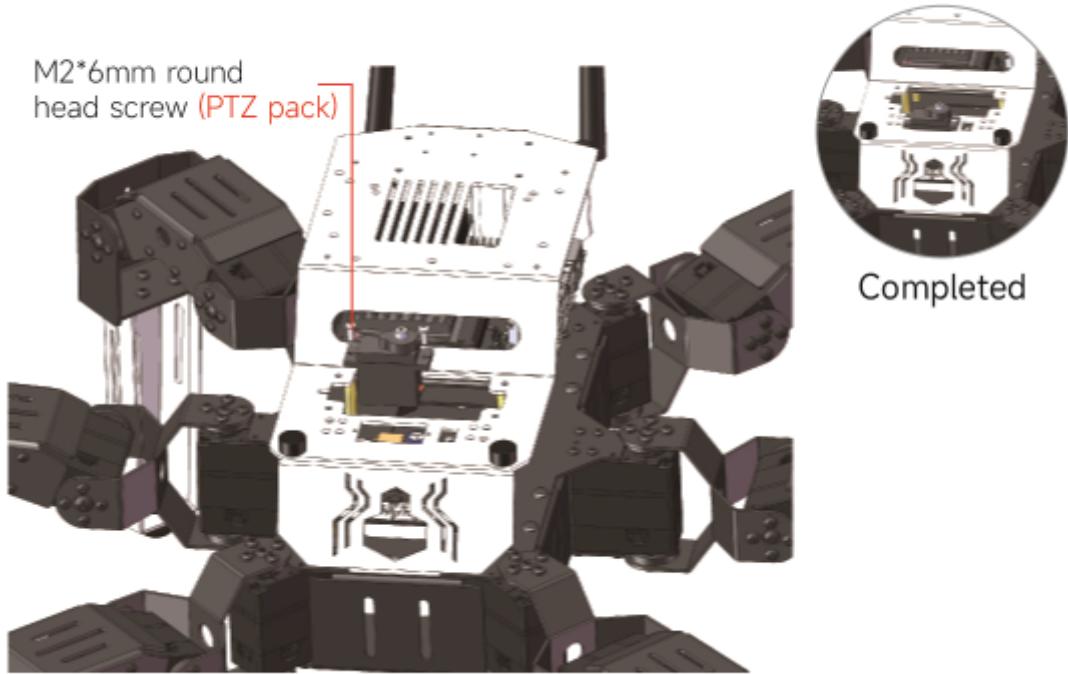


- 7. Unload camera PTZ basic version:** Unscrew the center screw of the steering wheel and separate the PTZ

Note: Do not change the direction of the PTZ

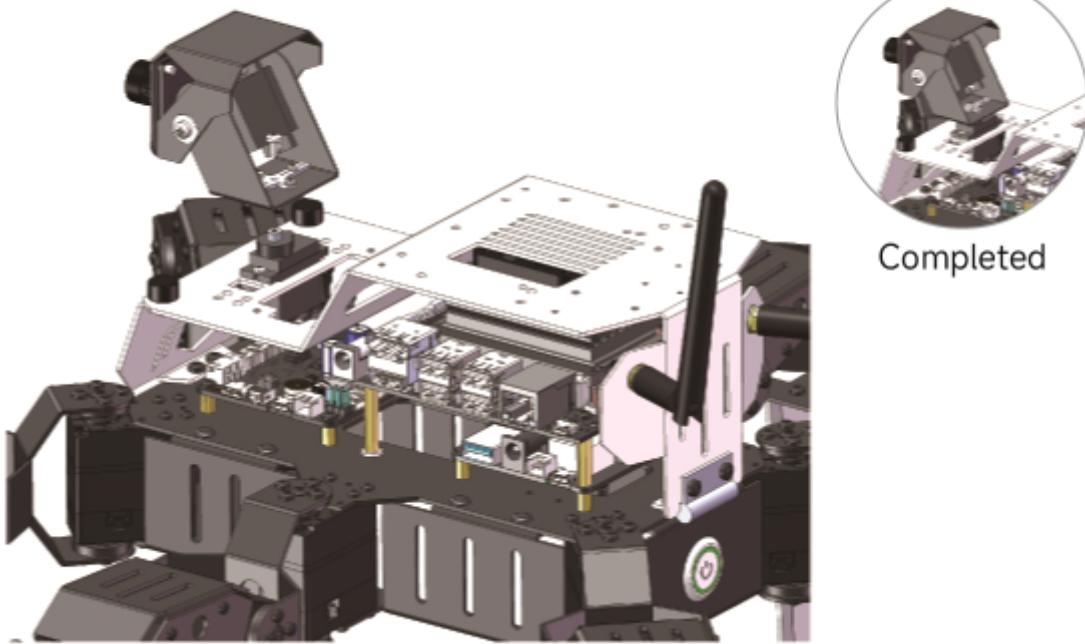


8. Install camera PTZ



9. Install camera PTZ

Note: Do not change the direction of the PTZ

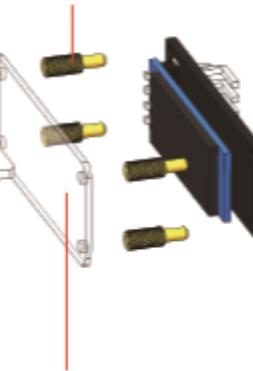


10. Install OLED screen

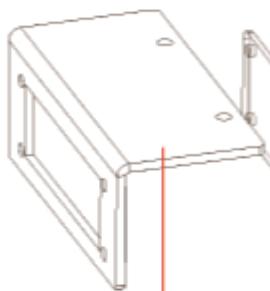
M2*6mm round head screw(6)



M2*6+4mm single-pass copper column(6)



OLED fixed plate



OLED board acrylic board



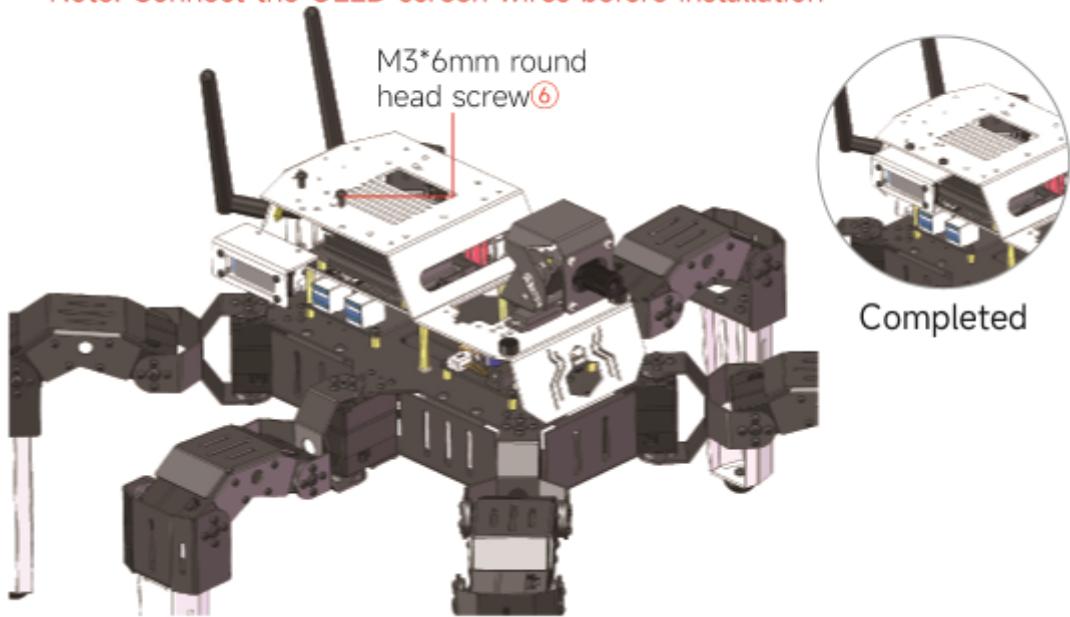
Completed

M2 nut(6)

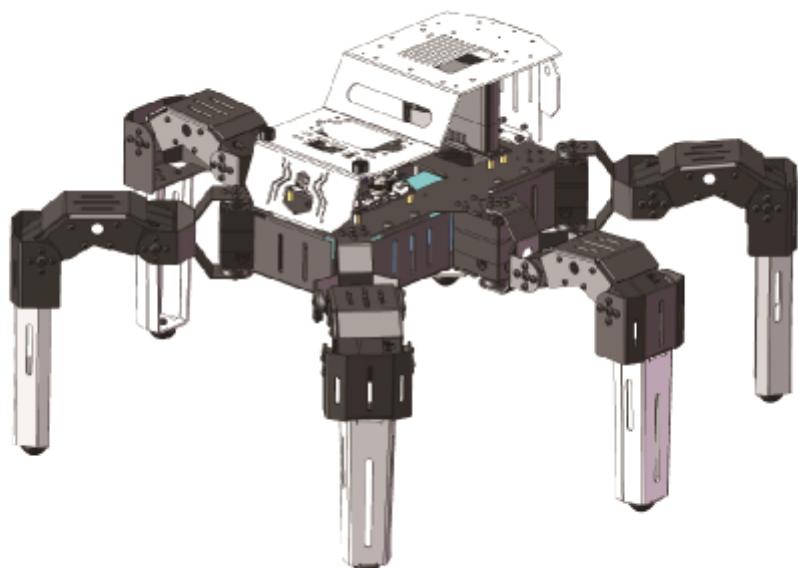


11. Install OLED screen to robot

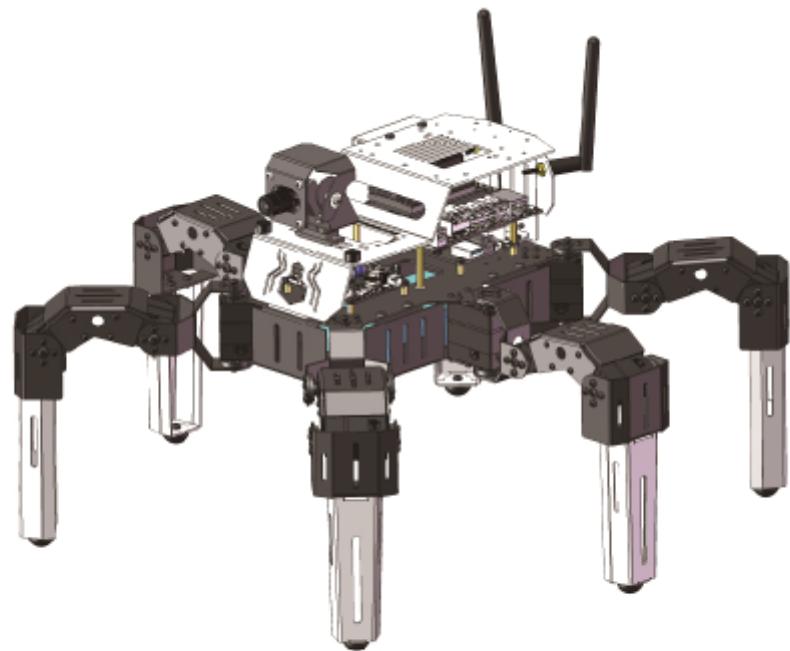
Note: Connect the OLED screen wires before installation



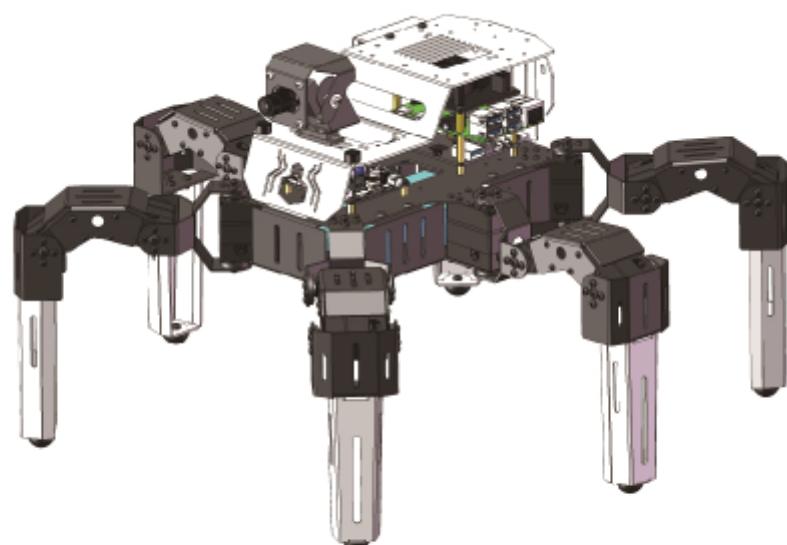
The installation is complete



(Basic version)



(Vision version-NANO)



(Vision version-RaspberryPi)

U disk/SD card Installation (Vision Version)

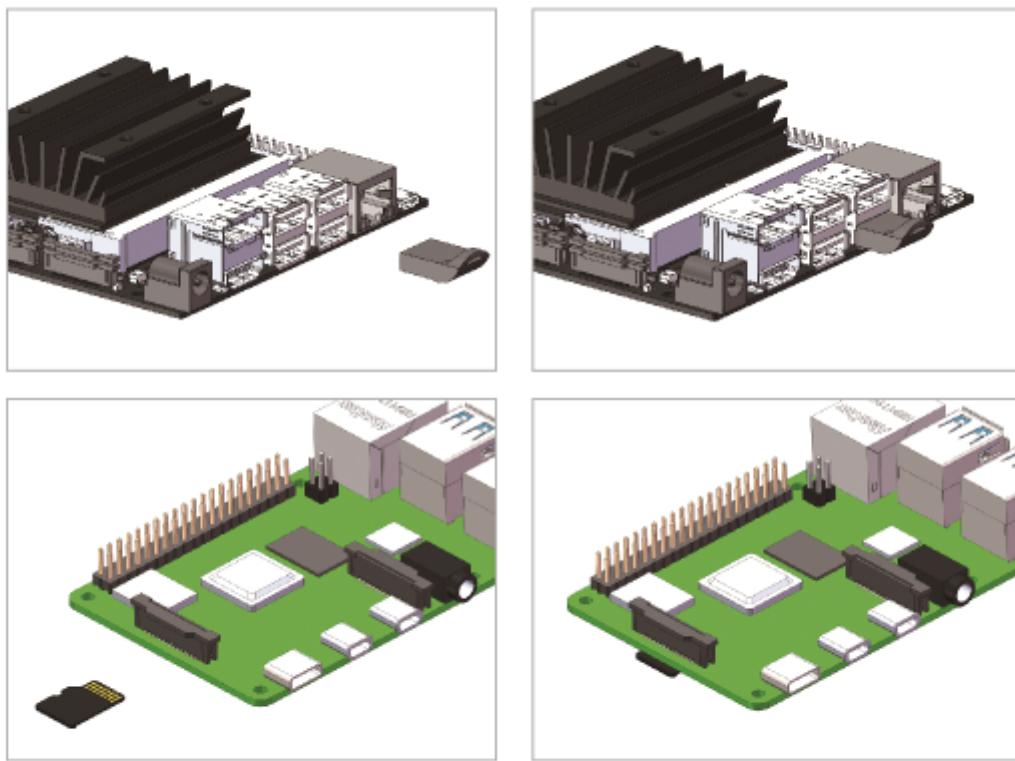


Figure 1-2 Insert USB disk into Jetson Nano board.

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