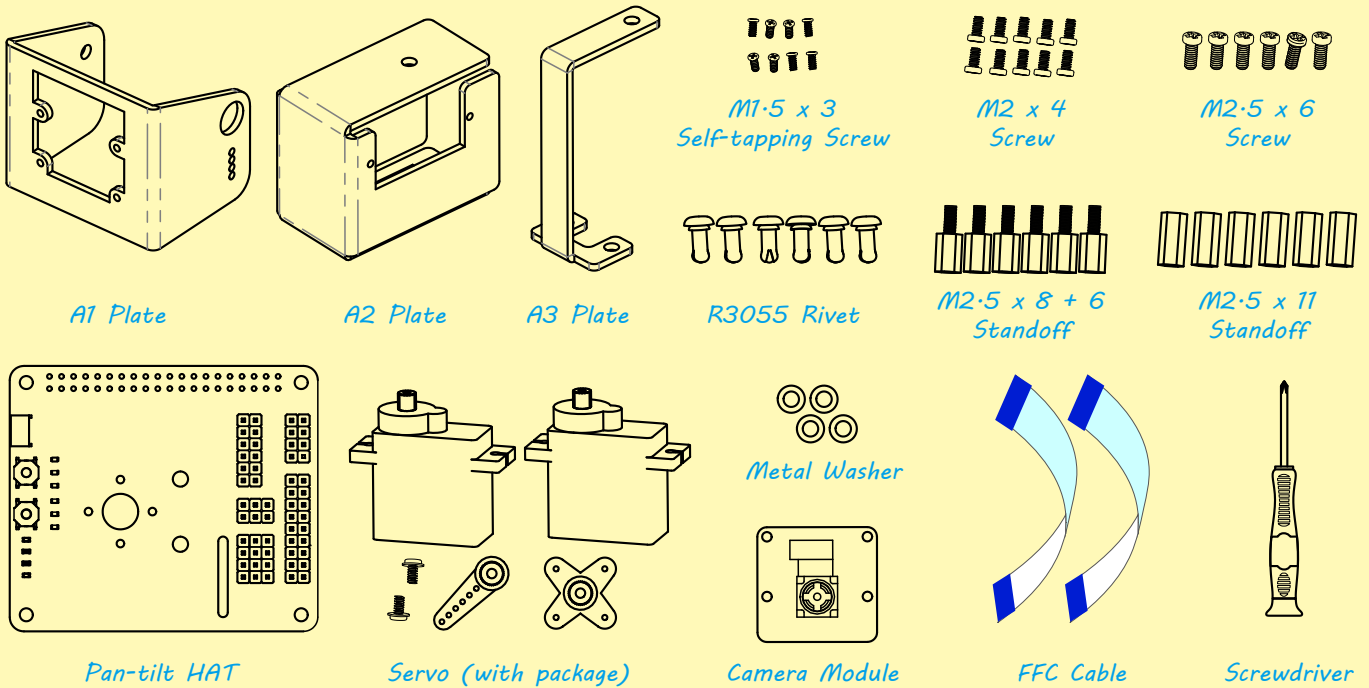
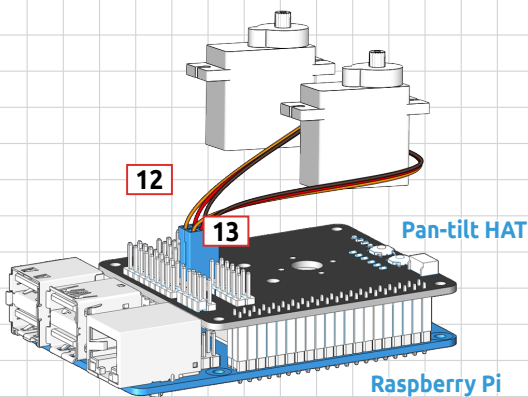


SUNFOUNDER PAN-TILT HAT KIT

Get tutorial at: pantilt-v3.rtf.d.io

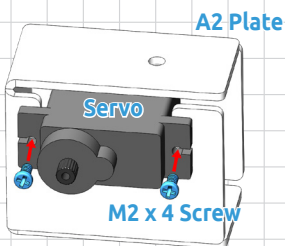
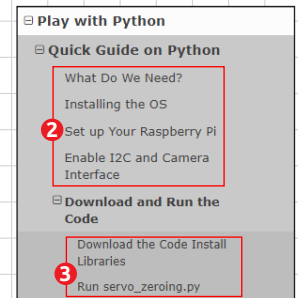


ASSEMBLE



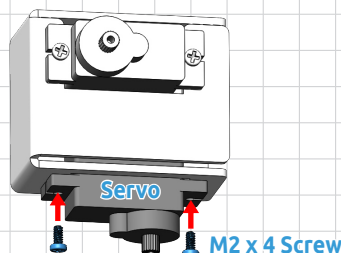
Step 0

1. Establish a temporary connection between the Pan-tilt HAT and the Raspberry Pi.
2. Follow the online tutorial at pantilt-v3.rtf.d.io, focusing specifically on the "Quick Guide on Python" chapter.
3. Set up your Raspberry Pi according to the instructions, and align both servos to 0°.
4. Finally, unplug the servo wires.



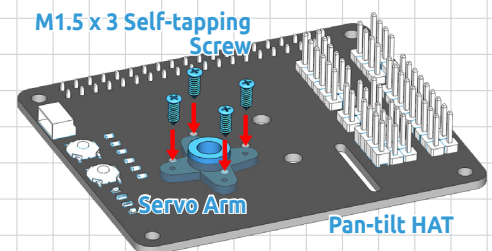
Step 1

Mount the servo onto the A2 plate, ensuring it's correctly oriented for accurate placement.



Step 2

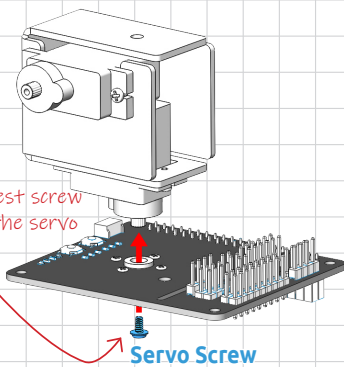
Fasten another servo onto the A2 plate, making sure the orientation is correct.



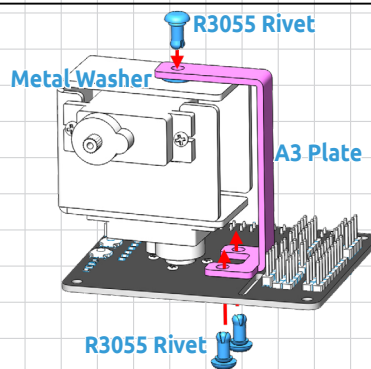
Step 3

Affix a cross-shaped servo arm to the Robot HAT using screws.

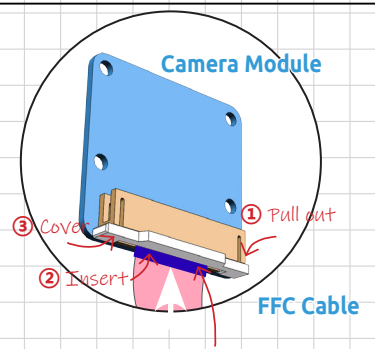
The smallest screw include in the servo package.



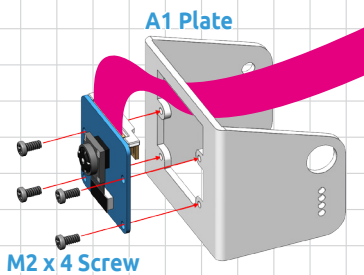
Step 4
Gently secure the gimbal body to the HAT, taking care not to turn the servo shaft.



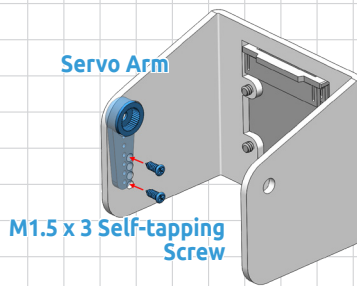
Step 5
Install the A3 plate to promote the gimbal body's smooth operation.



Note the direction of the blue plastic side.
Step 6
Connect the FFC cable to the camera module.

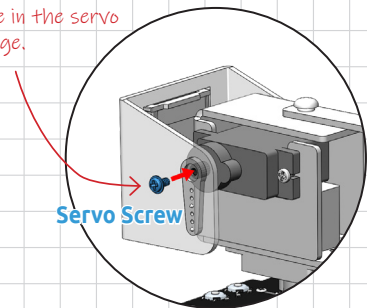


Step 7
Thread the camera's FFC cable through the A1 plate's hole, then screw the camera onto the A1 plate.

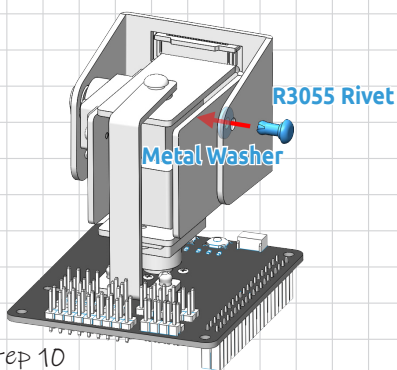


Step 8
Mount a servo arm to the A1 plate.

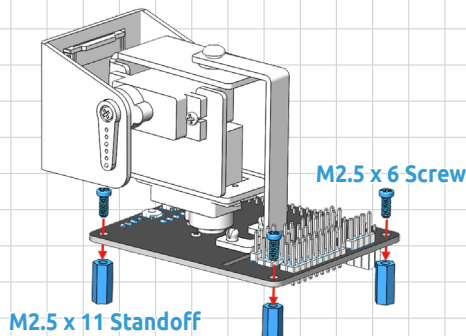
The smallest screw include in the servo package.



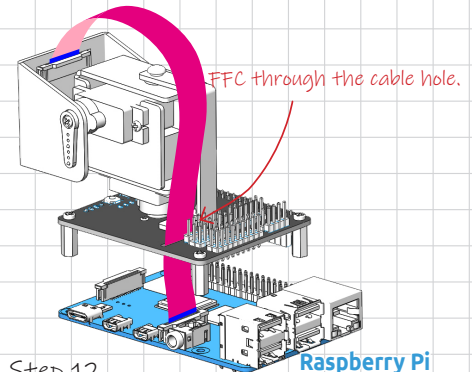
Step 9
Attach the A1 plate to the servo on the gimbal body, being mindful not to rotate the servo shaft.



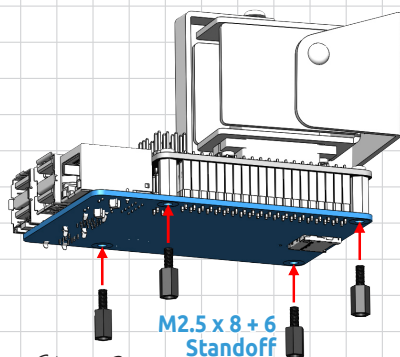
Step 10
Stabilize the A1 plate by fastening a rivet to its opposite side.



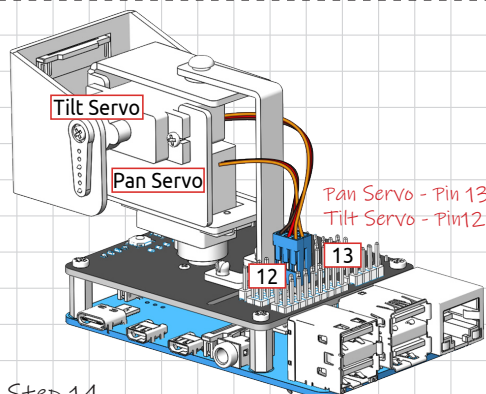
Step 11
Mount four sets of standoffs under the HAT to provide substantial support.



Step 12
Guide the FFC cable from the camera through the wire hole on the HAT, and connect it to the Raspberry Pi.



Step 13
Secure the Raspberry Pi with four standoffs.



Step 14
Plug the servo wire back into the HAT. Well done! The assembly is now complete.