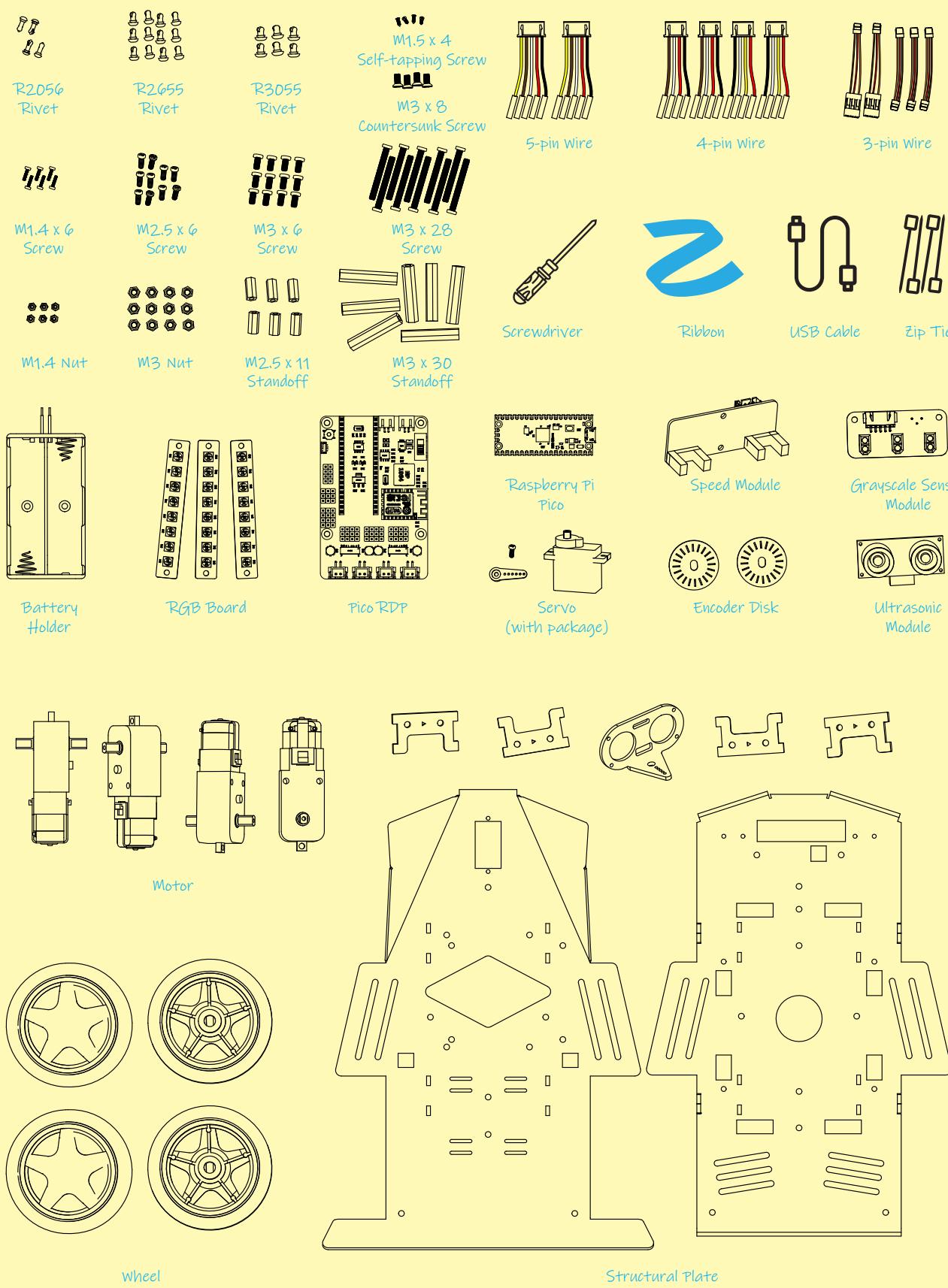


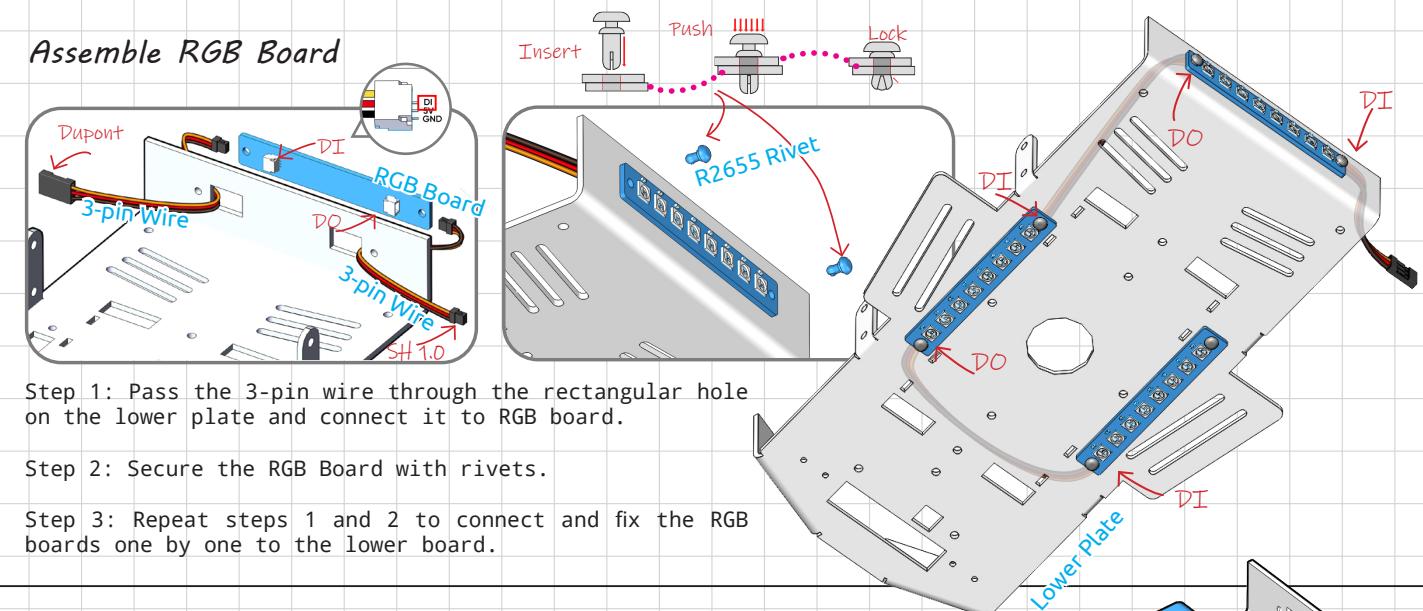
Part List



SUNFOUNDER PICO-4WD CAR KIT

Get tutorial at: <https://docs.sunfounder.com/pico-4wd>

Assemble RGB Board

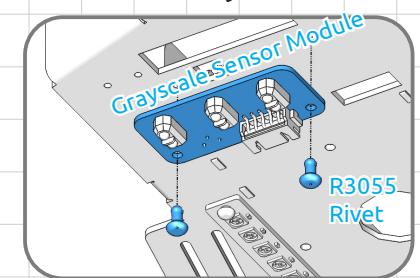


Step 1: Pass the 3-pin wire through the rectangular hole on the lower plate and connect it to RGB board.

Step 2: Secure the RGB Board with rivets.

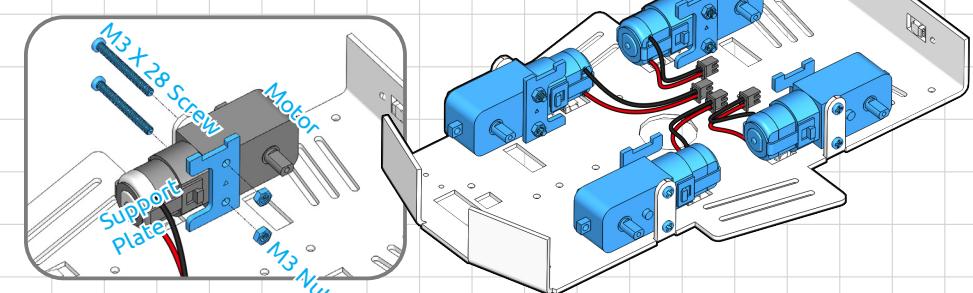
Step 3: Repeat steps 1 and 2 to connect and fix the RGB boards one by one to the lower board.

Assemble Grayscale Module



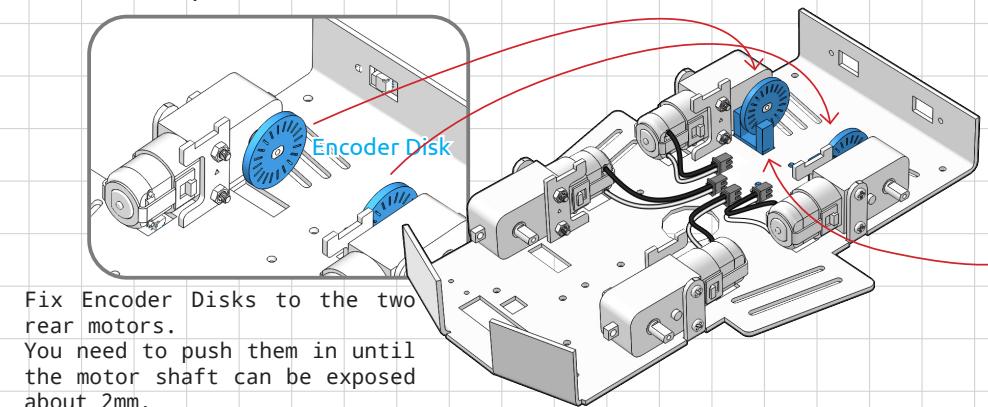
Secure the Grayscale Sensor Module with rivets.

Assemble Motor



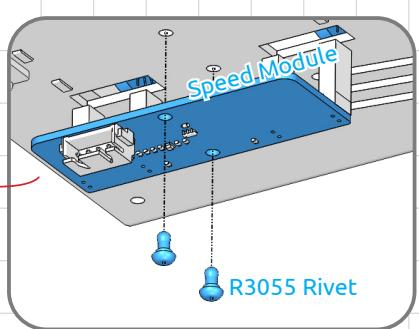
Secure the motor with screws, nuts and Support Plate. Note that the cable side of the motor should face inward.

Assemble Speed Module



Fix Encoder Disks to the two rear motors.
You need to push them in until the motor shaft can be exposed about 2mm.

Secure the Speed Module with rivets.



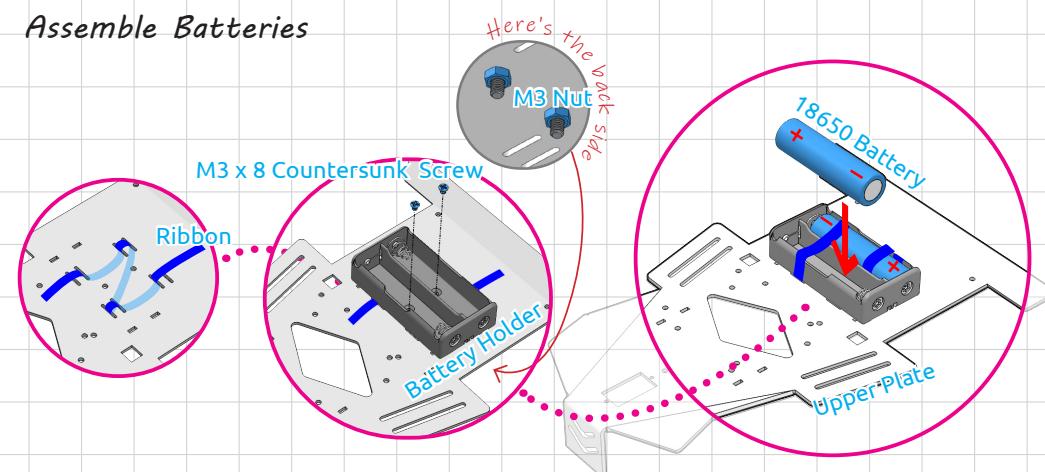
Step 1: Wrap the ribbon around the Upper Plate.

Step 2: Secure the Battery Holder with screws, nuts.

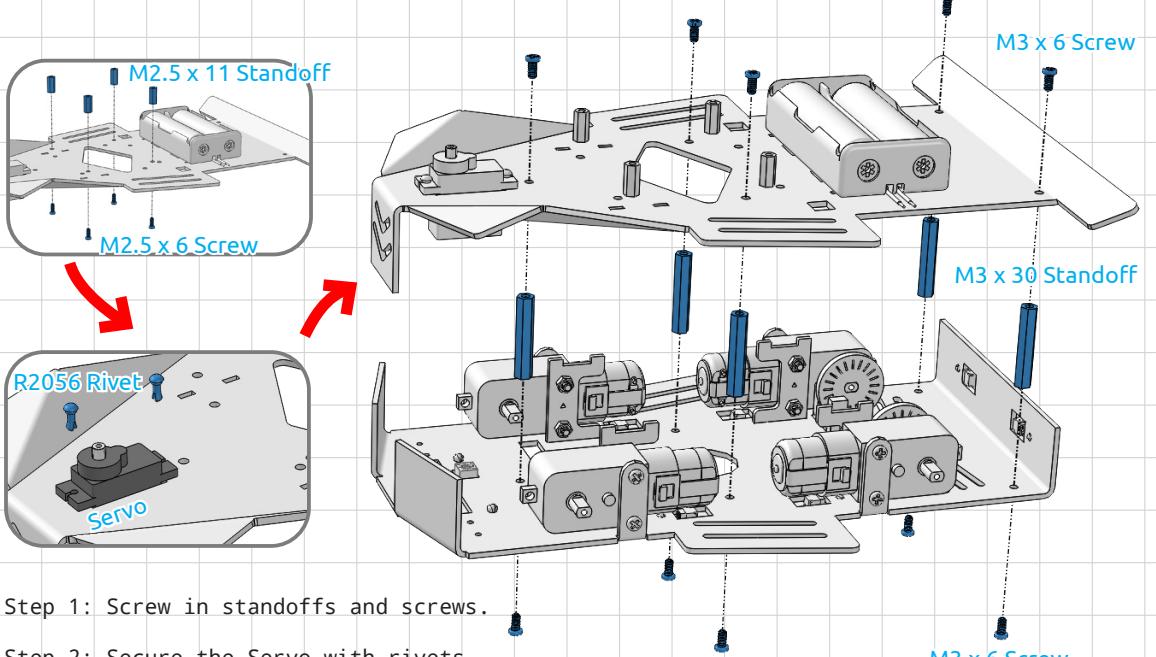
Step 3: Before inserting the battery, place the ribbon in advance so that you can pull the ribbon to remove the battery.

Note: Please ensure that the negative pole of the battery should be in contact with the spring.

Assemble Batteries



Combine Car Bodywork

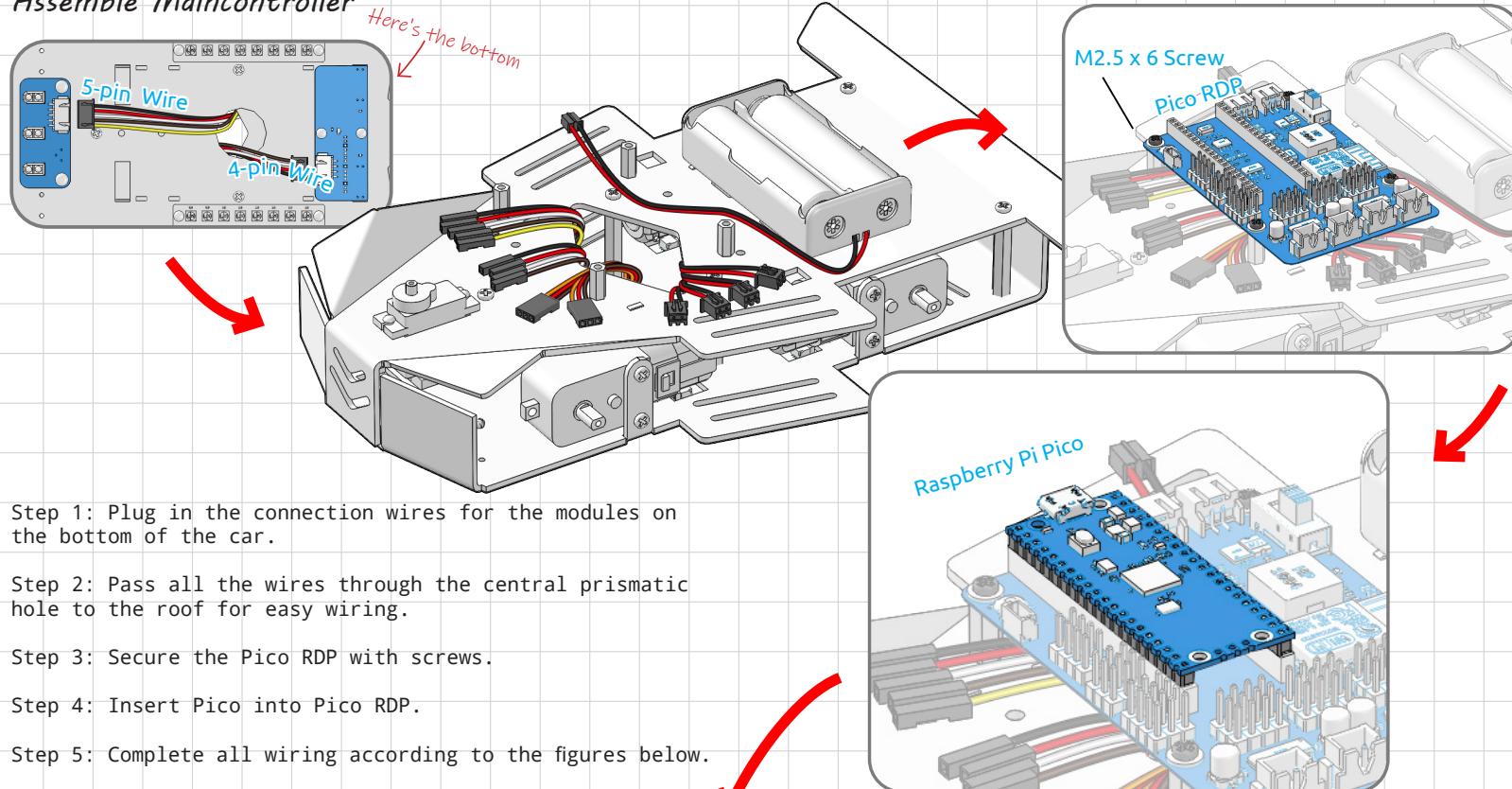


Step 1: Screw in standoffs and screws.

Step 2: Secure the Servo with rivets.

Step 3: Combine the Upper and Lower Plates with the long standoffs and screws.

Assemble Maincontroller



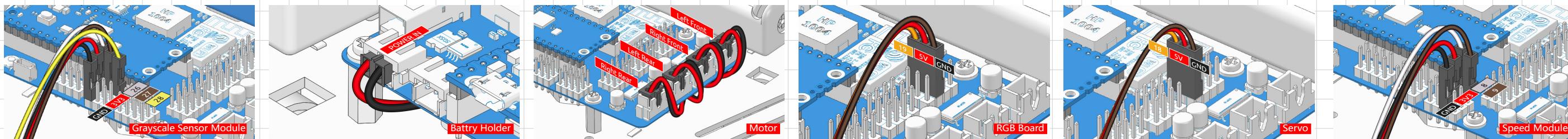
Step 1: Plug in the connection wires for the modules on the bottom of the car.

Step 2: Pass all the wires through the central prismatic hole to the roof for easy wiring.

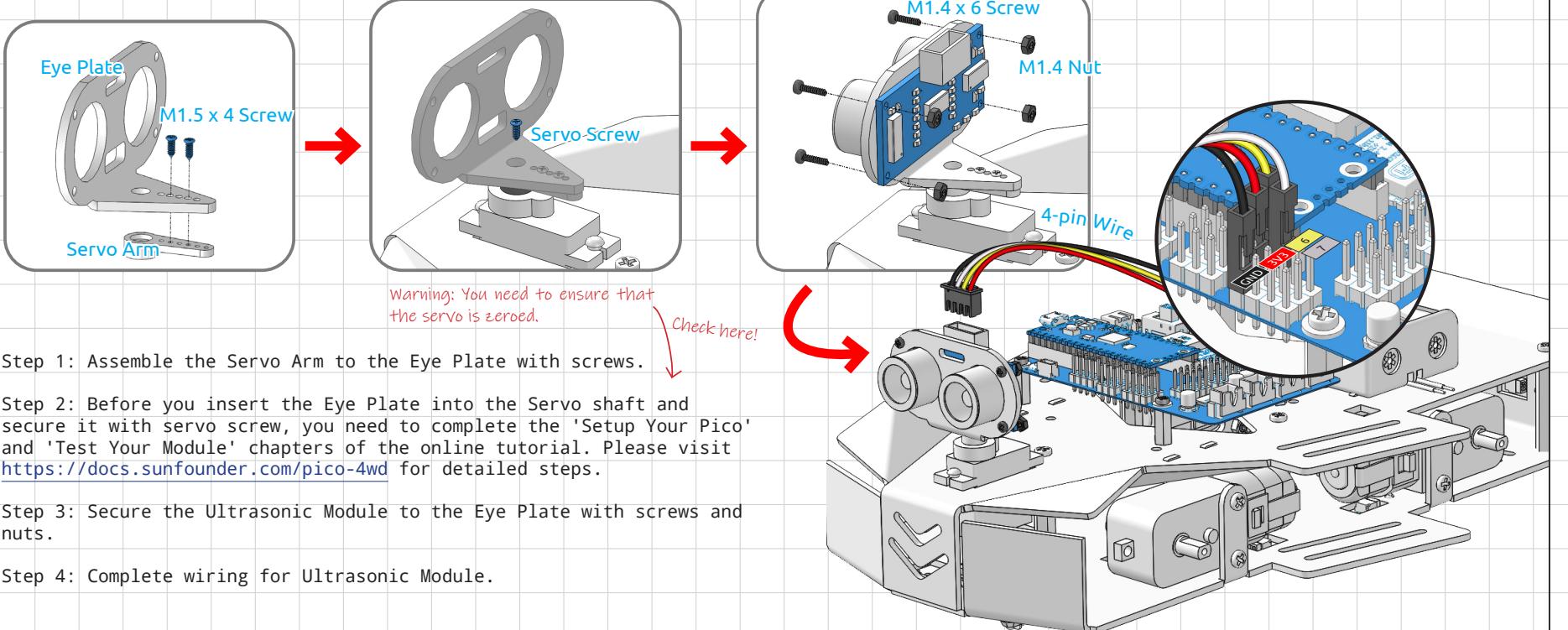
Step 3: Secure the Pico RDP with screws.

Step 4: Insert Pico into Pico RDP.

Step 5: Complete all wiring according to the figures below.



Assemble Ultrasonic Module



Step 1: Assemble the Servo Arm to the Eye Plate with screws.

Step 2: Before you insert the Eye Plate into the Servo shaft and secure it with servo screw, you need to complete the 'Setup Your Pico' and 'Test Your Module' chapters of the online tutorial. Please visit <https://docs.sunfounder.com/pico-4wd> for detailed steps.

Step 3: Secure the Ultrasonic Module to the Eye Plate with screws and nuts.

Step 4: Complete wiring for Ultrasonic Module.

Finish Your Pico-4wd

