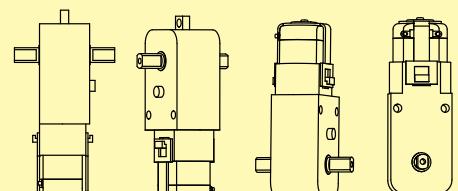
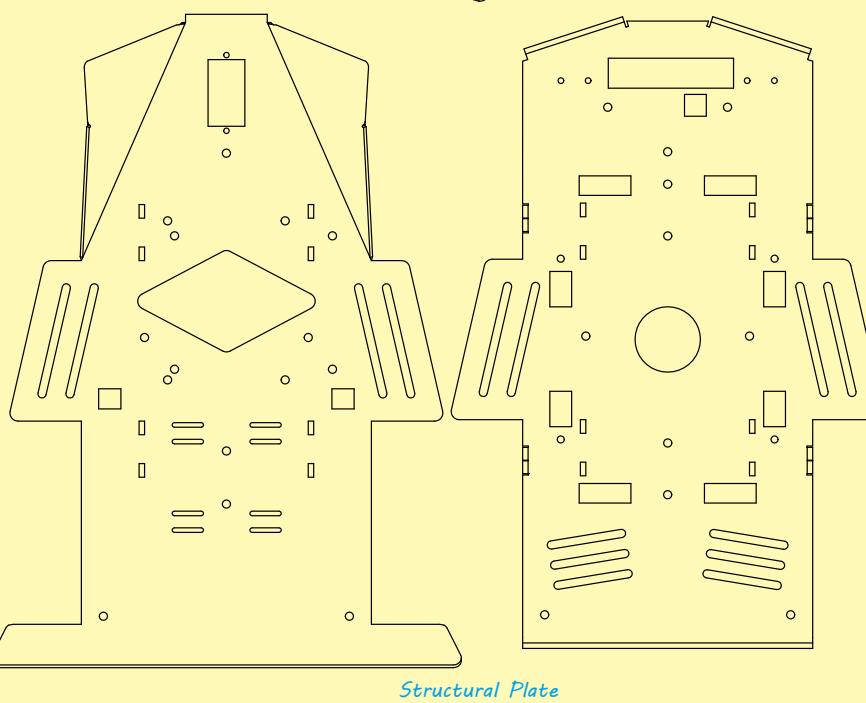


SUNFOUNDER PICO-4WD CAR KIT

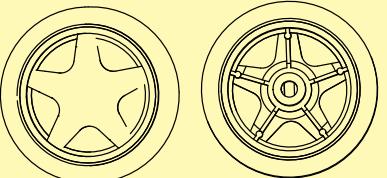
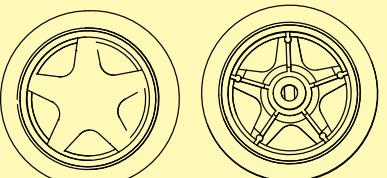
Online Tutorials: <https://pico-4wd-v2.rtfd.io>



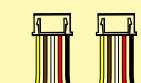
TT Motor



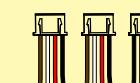
Structural Plate



Wheel

R2056
RivetR2655
RivetR3055
RivetM1-5x3 Screw
M1-4x6 Screw

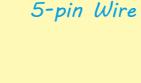
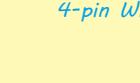
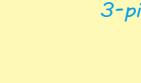
5-pin Wire



4-pin Wire



3-pin wire

M2-5x6
ScrewM3x6
ScrewM2-6x25
ScrewM3x28
ScrewM2-5x11
StandoffM3x30
Standoff

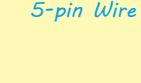
Cable Tie



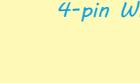
M1-4 Nut



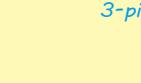
M3 Nut



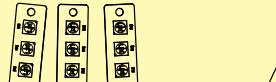
USB-B Cable



Velcro Sticker



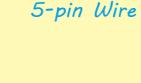
Screwdriver



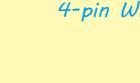
Electrical Tape



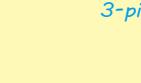
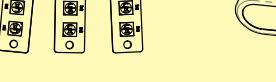
ESP01S



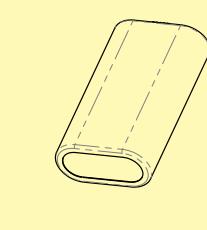
Raspberry Pi Pico



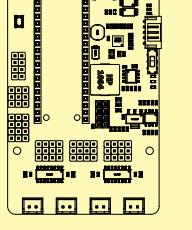
Speed Module

Grayscale Sensor
Module

RGB Board



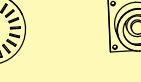
Battery



Raspberry Pi Pico RDP

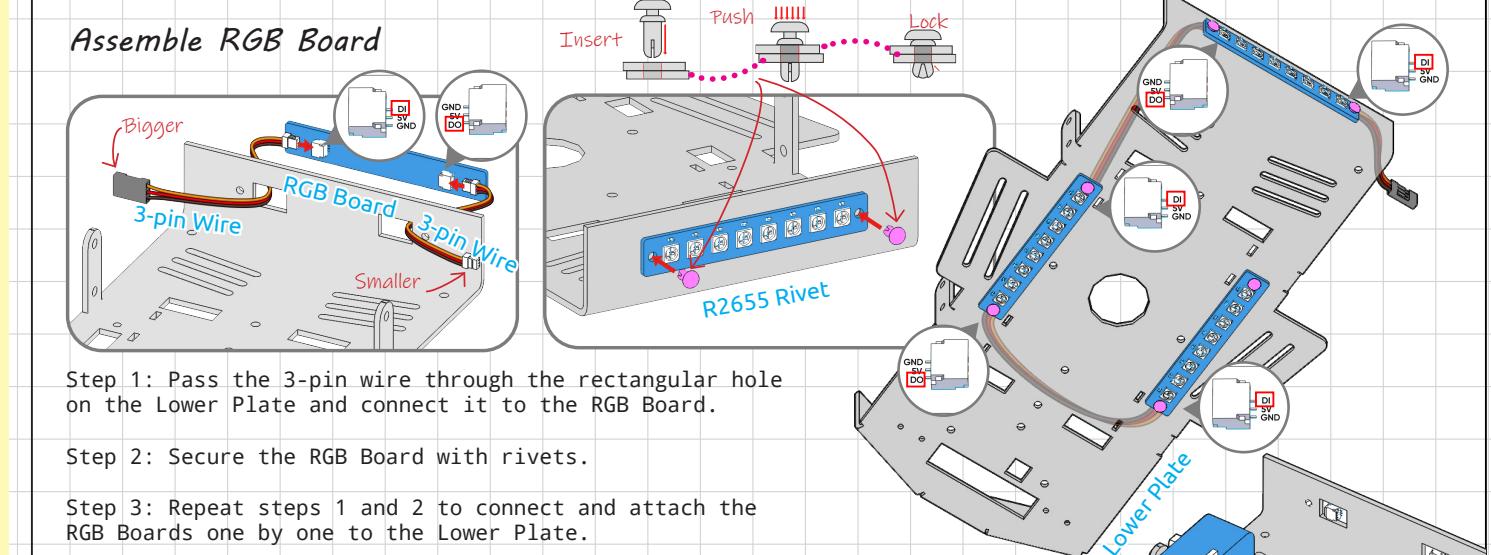
Servo
(with package)

Encoder Disk

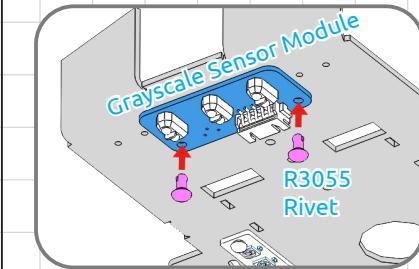


Ultrasonic Module

Assemble RGB Board

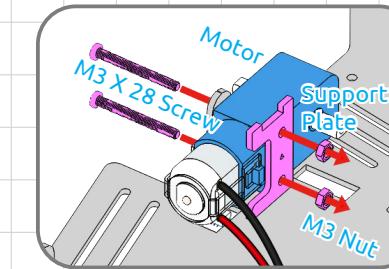


Assemble Grayscale Module



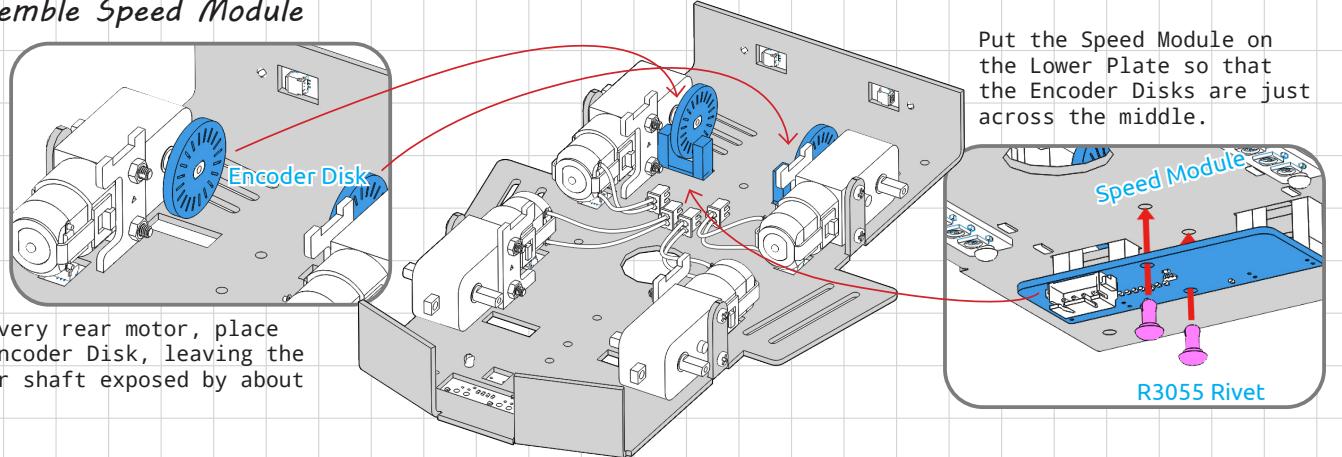
Attaching the Grayscale Sensor to the bottom.

Assemble Motor

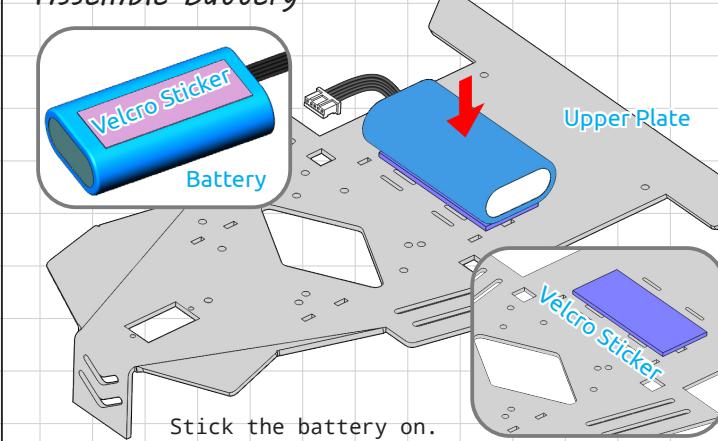


Mount the 4 motors as shown, note that the motor wires are facing inwards.

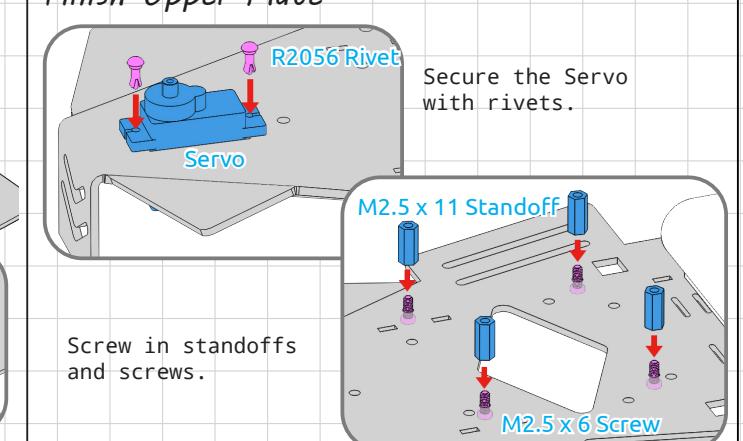
Assemble Speed Module



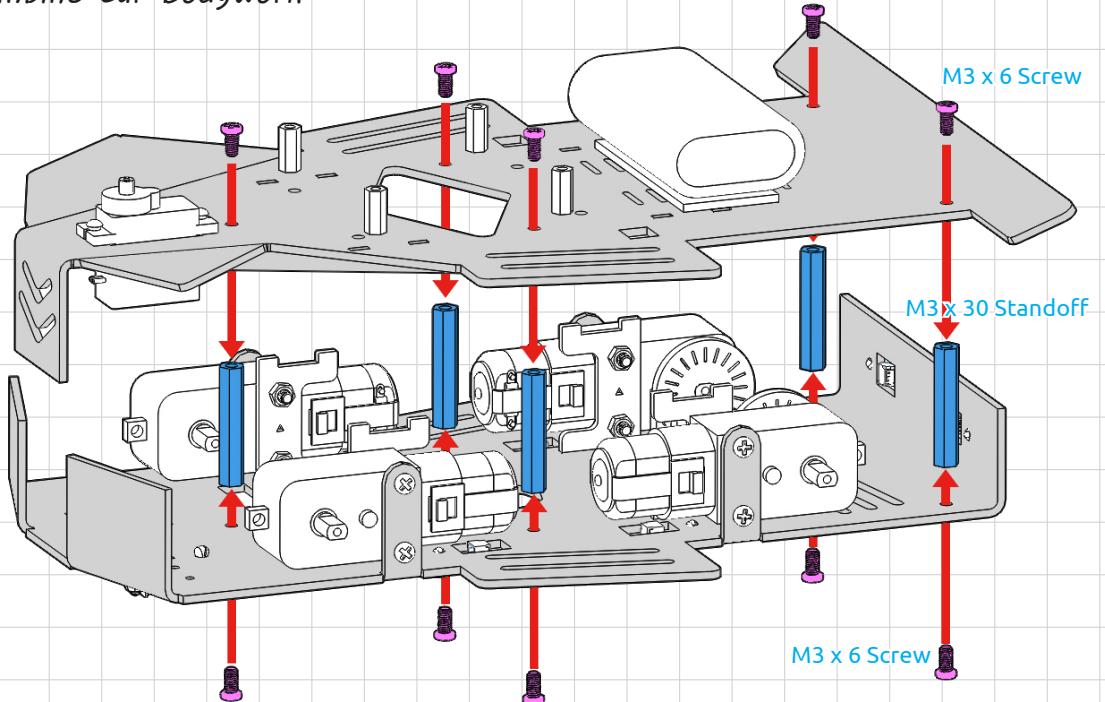
Assemble Battery



Finish Upper Plate

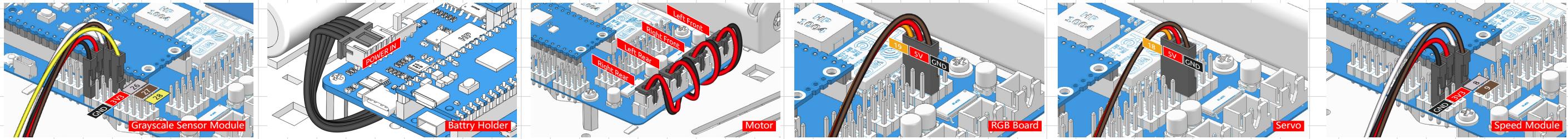
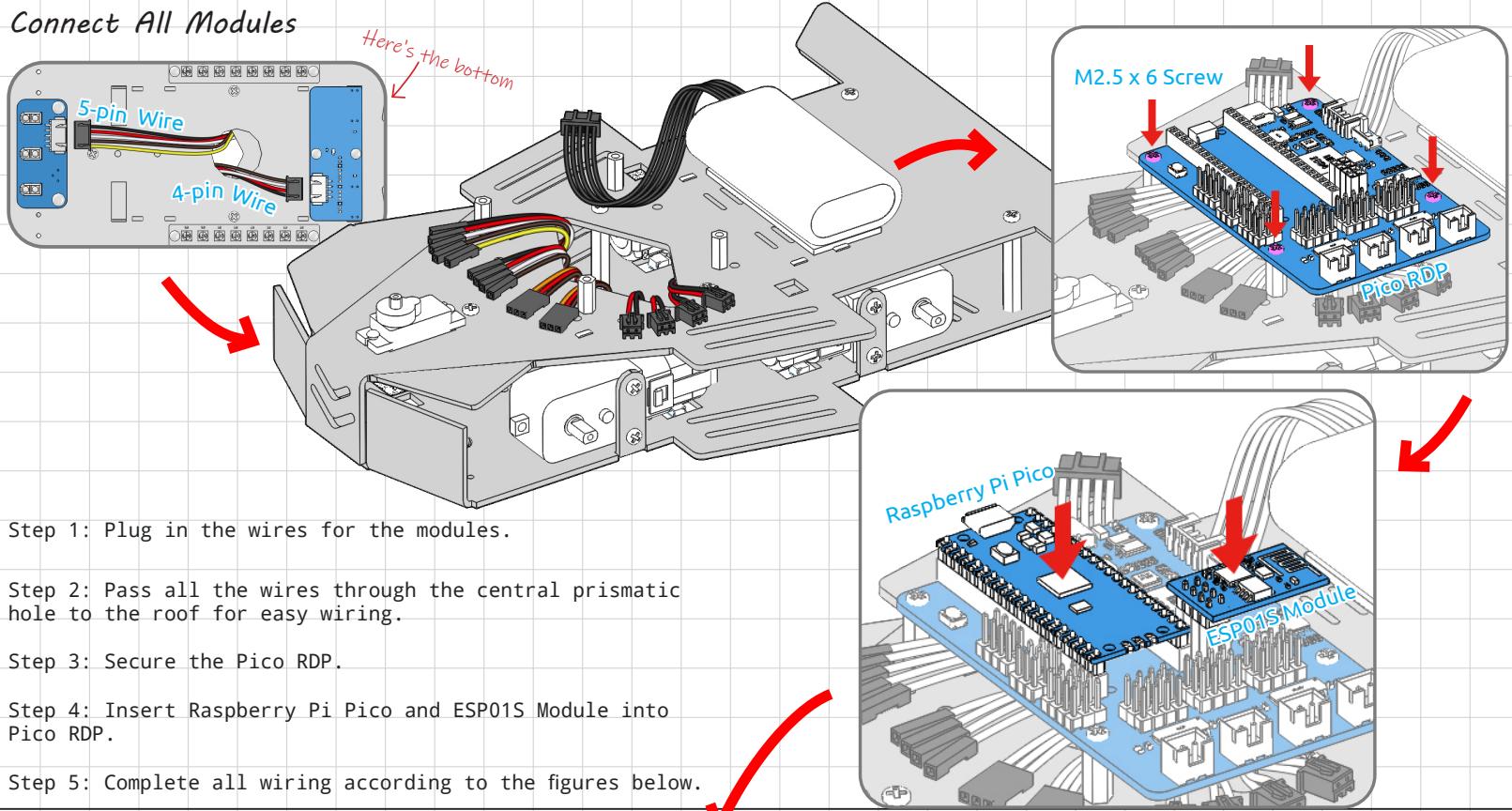


Combine Car Bodywork

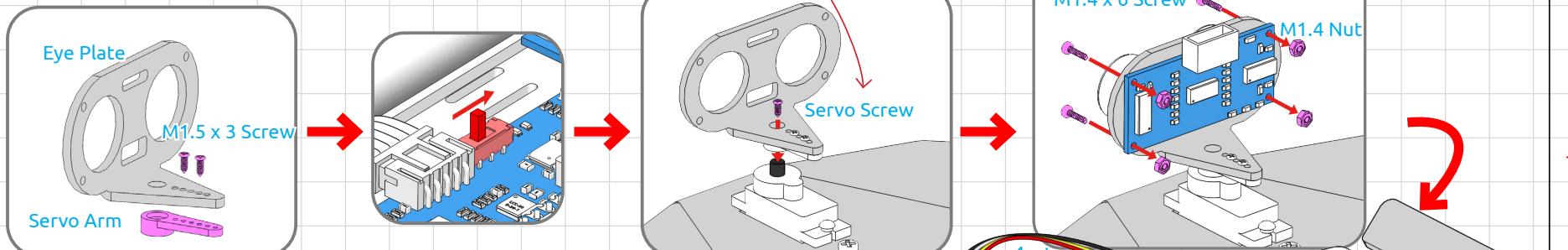


Combine the Upper and Lower Plates with the long standoffs and screws.

Connect All Modules



Assemble Ultrasonic Module



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

Step 2: Slide the Pico RDP's power switch to ON and make sure the power indicator is light.

Step 3: Make the Eye Plate face forward and secure it to the servo shaft.

Step 4: Secure the Ultrasonic Module to the Eye Plate.

Step 5: Complete wiring for Ultrasonic Module.

Finish Your Pico-4wd

