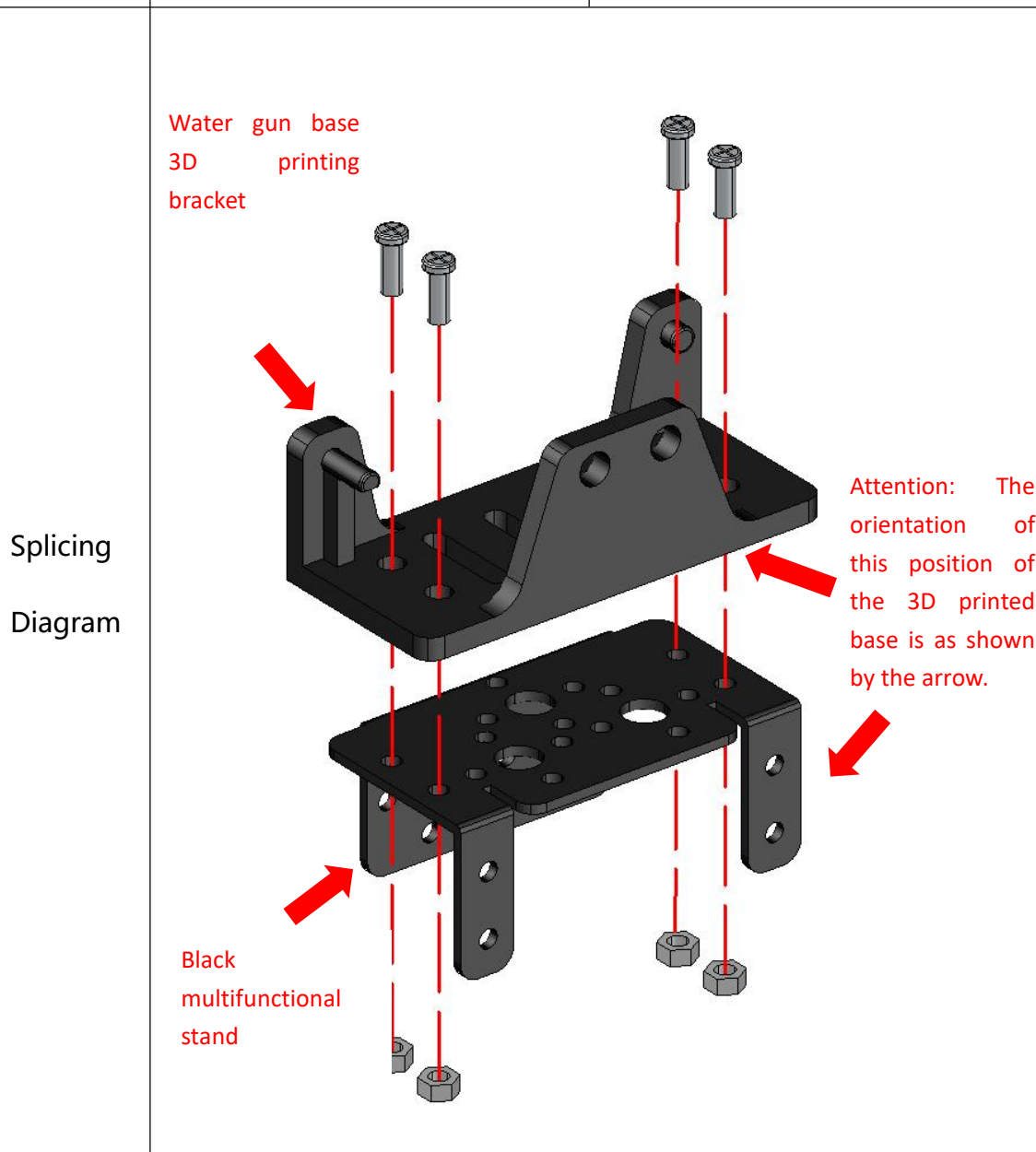
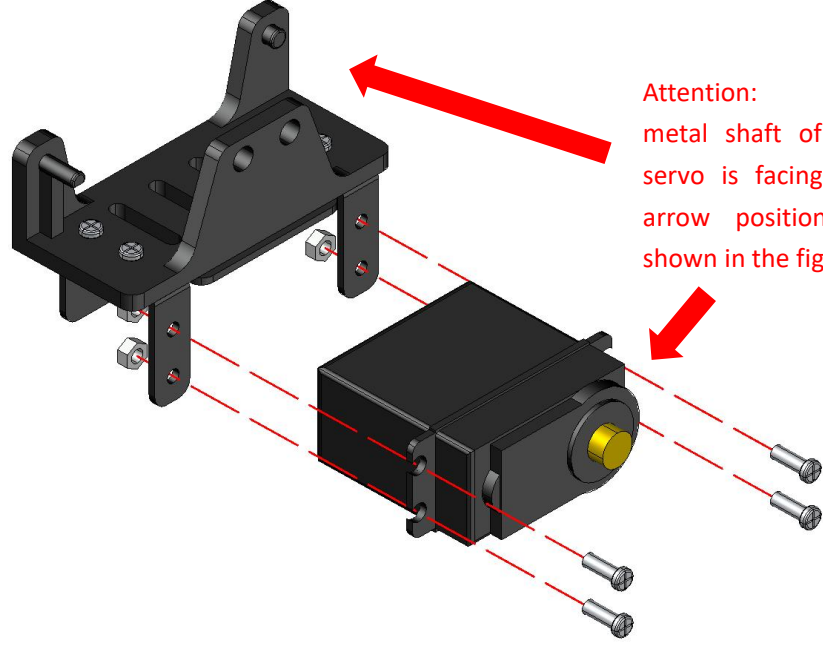


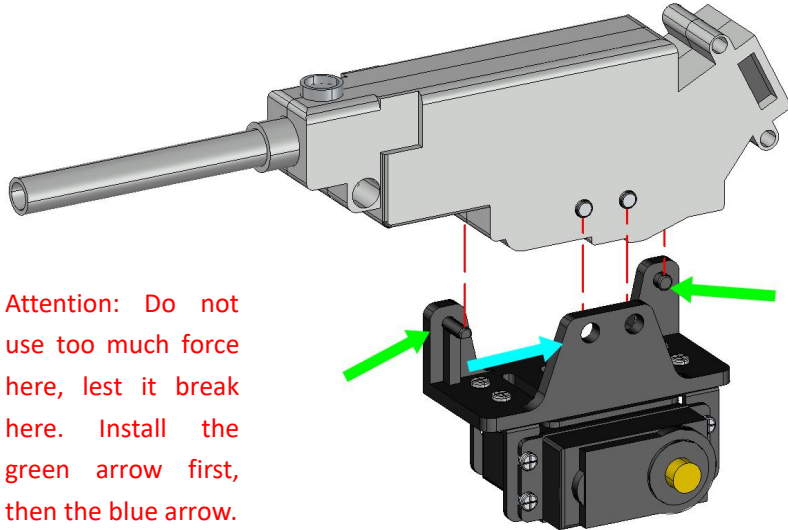
Step 1 Fixed water gun base and servo bracket

Part Lists	Water gun base 3D printing bracket*1	M3*10MM Round Head Screws*4
	M3 nut*4	Black multifunctional stand*1

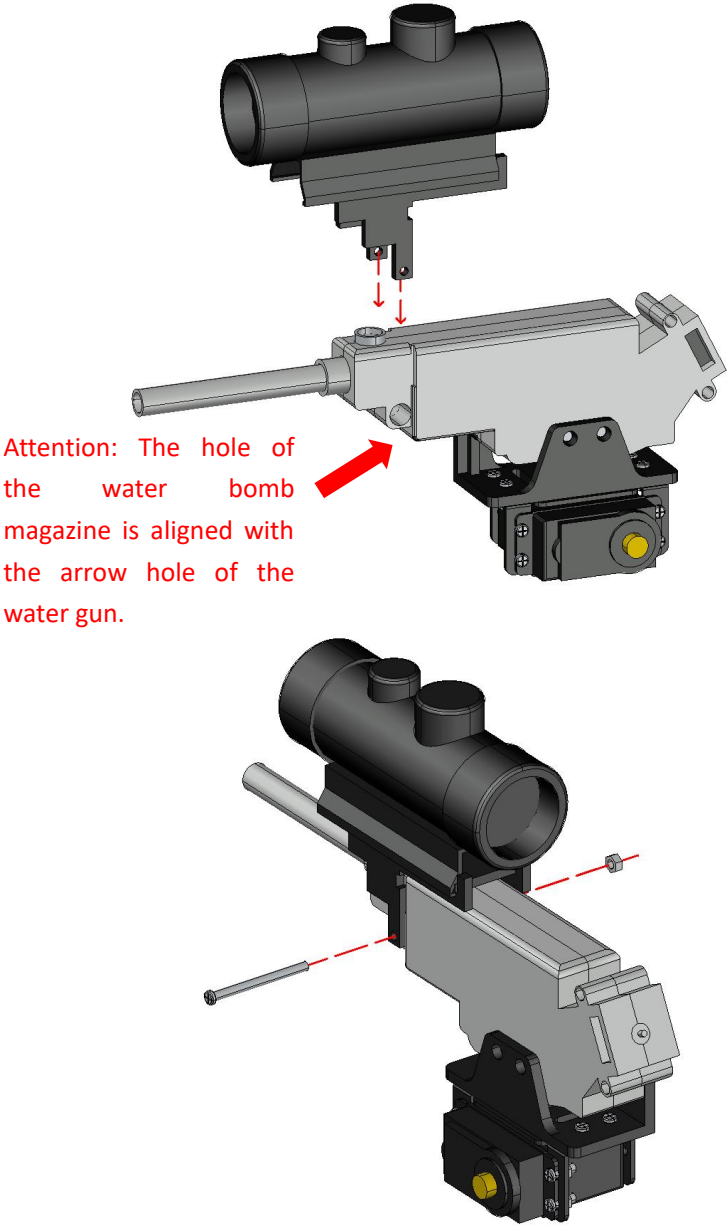


Step 2 Install MG995 black servo module

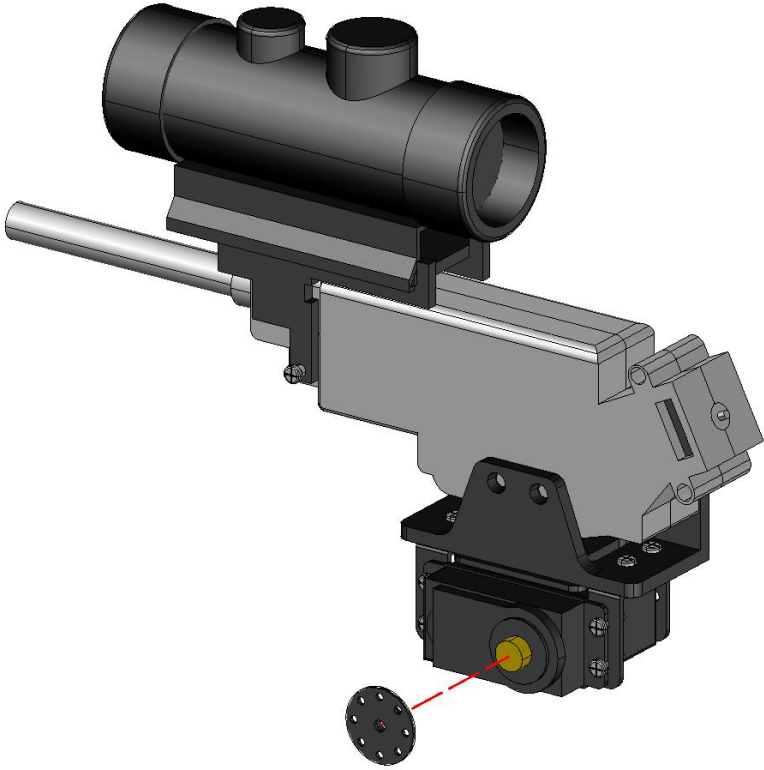
Part Lists	M3*10MM Round Head Screws*4	M3 nut*4	MG995 black servo module*1
Splicing Diagram	 <p>Attention: The metal shaft of the servo is facing the arrow position as shown in the figure.</p>		
Attention	<p>The MG995 black servo needs to have the calibration program uploaded. If it has not been calibrated yet, please go back to the QD005 must-read document before use and recalibrate according to the prompts.</p>		

Step 3 Fixed water gun		
Part Lists	water gun*1	Assembled black multifunctional stand
Splicing Diagram	 <p>Attention: Do not use too much force here, lest it break here. Install the green arrow first, then the blue arrow.</p>	
Attention	Attach the corresponding holes and bumps of the water gun to the corresponding positions of the base for fixation. You need to slightly open the 3D printed base of the water gun base with your hands.	

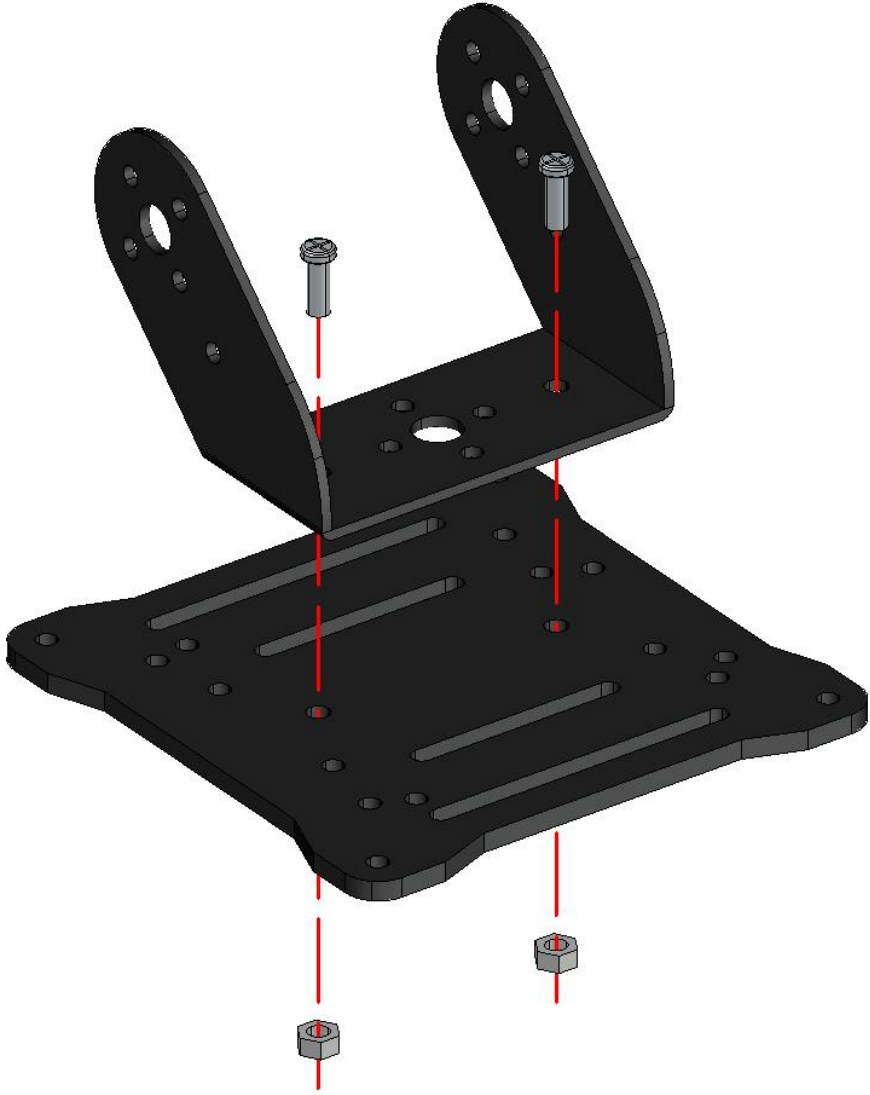
Step 4 Install water gun magazine

Part Lists	water gun magazine*1	M3*35 round head screws*1	M3 nut*1
Splicing Diagram	 <p data-bbox="443 929 742 1124">Attention: The hole of the water bomb magazine is aligned with the arrow hole of the water gun.</p>		

Step 5 Install steering gear and steering wheel

Part Lists	The assembled water gun structure	round steering wheel*1
Splicing Diagram		

Step 6 Fixed black inclined U bracket

Part Lists	M3*10MM Round Head Screws*2	M3 nut*2	Expand acrylic board*1
	Black oblique U bracket*1		
Splicing Diagram			

Step 7 Fixed water gun structure

Part Lists

The assembled water
gun structureBlack oblique U
bracketM2*8MM Large Round
Flat Head Tapping
Screws*2Splicing
Diagram

Attention: The position of the circular steering wheel of the servo is aligned with the hole of the black inclined U bracket.

At this time, please try to keep the water gun structure in a horizontal position for installation.

Because there is a deviation in the hole position here, if it cannot be completely horizontal, please install it upward.

Attention: Install M2*8 Large Round Flat Head Tapping Screws diagonally here.



Step8 Install the steering gear fixing screws

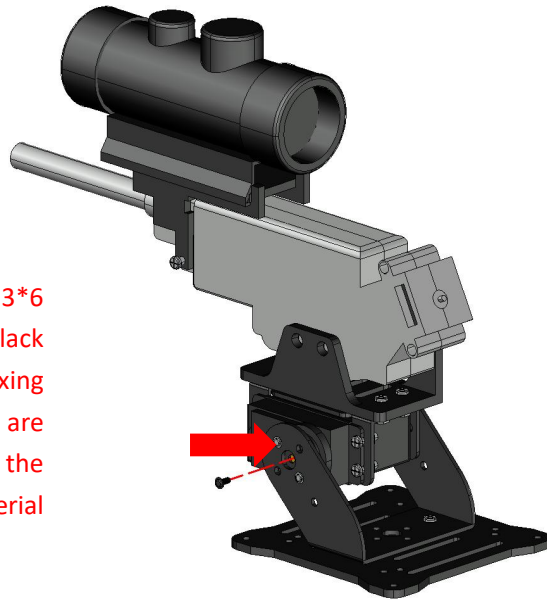
Part Lists

M3*6 round head black servo fixing screws*1

Splicing

Diagram

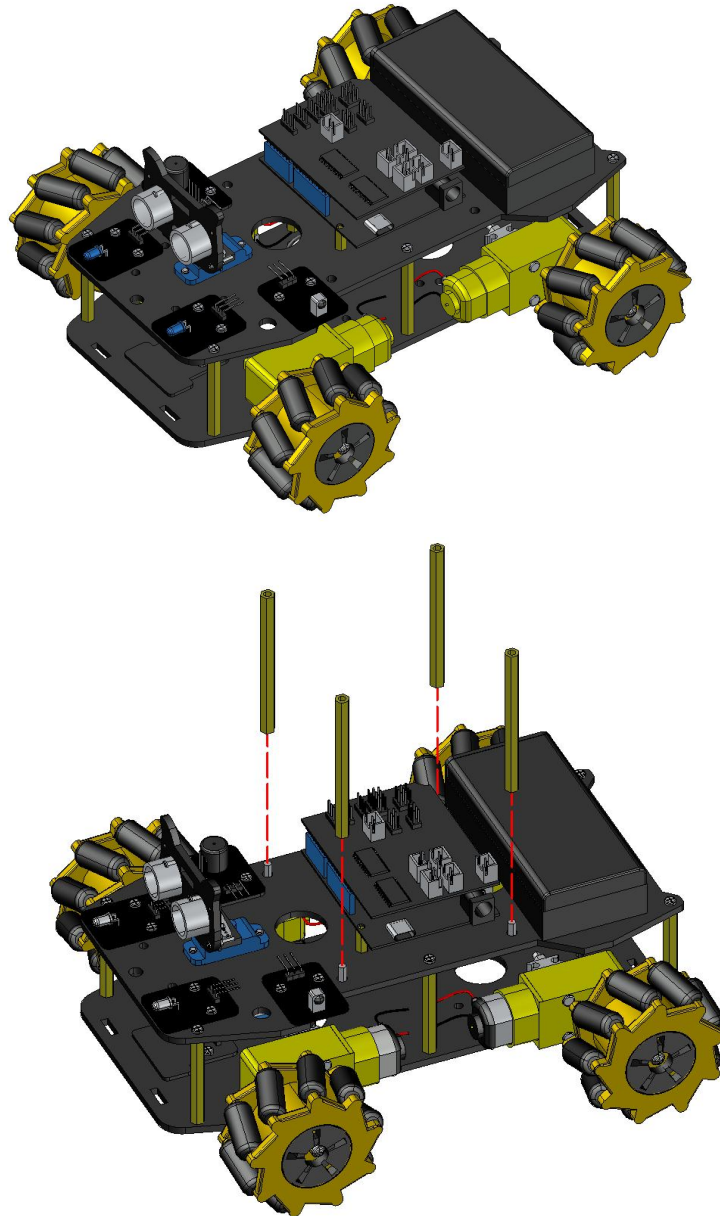
Attention: M3*6 round head black servo fixing screws are included in the servo material package.



Step 9 Install copper pillars

Part Lists

complete car

M3*65 double-pass copper
pillar*4Splicing
Diagram

Attention

Pass the screws through the holes, hold them with your fingers, and then use your other hand to tighten and secure the M3*65 double-pass copper pillar.

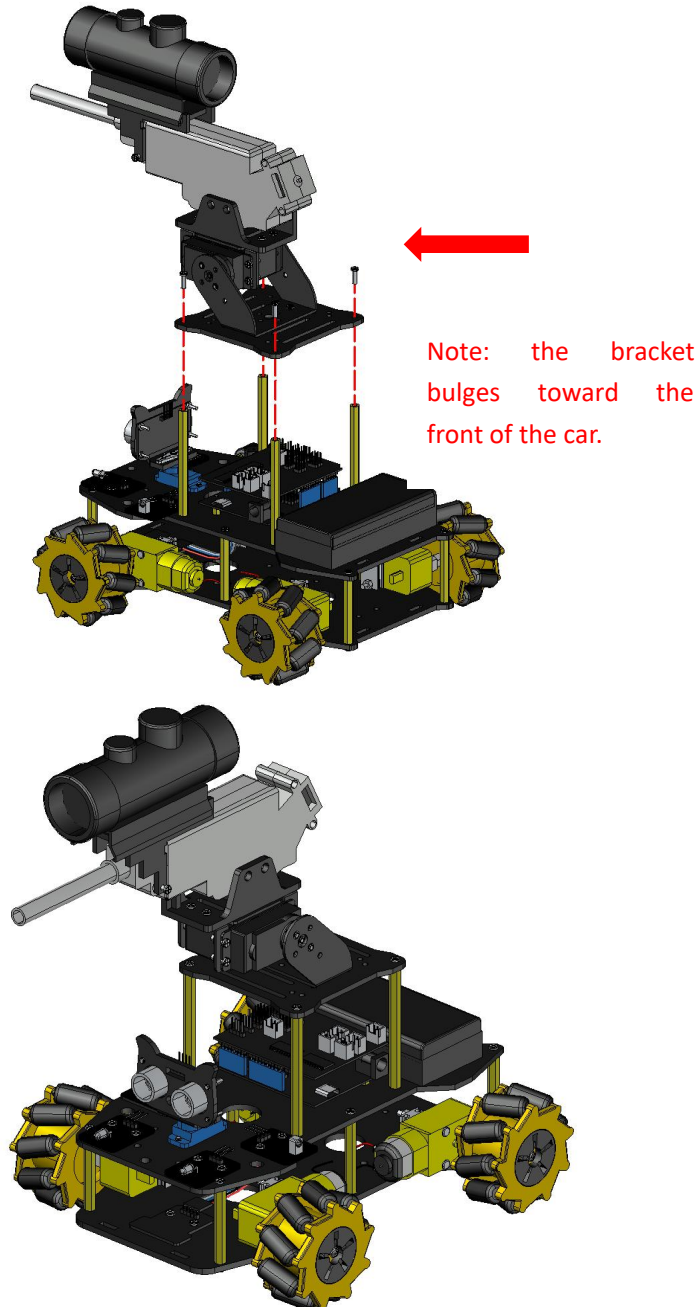
Step 10 Assemble the water gun to the car body

Part
Lists

M3*10MM Round Head Screws*4

The assembled water gun
structure

Splicing
Diagram

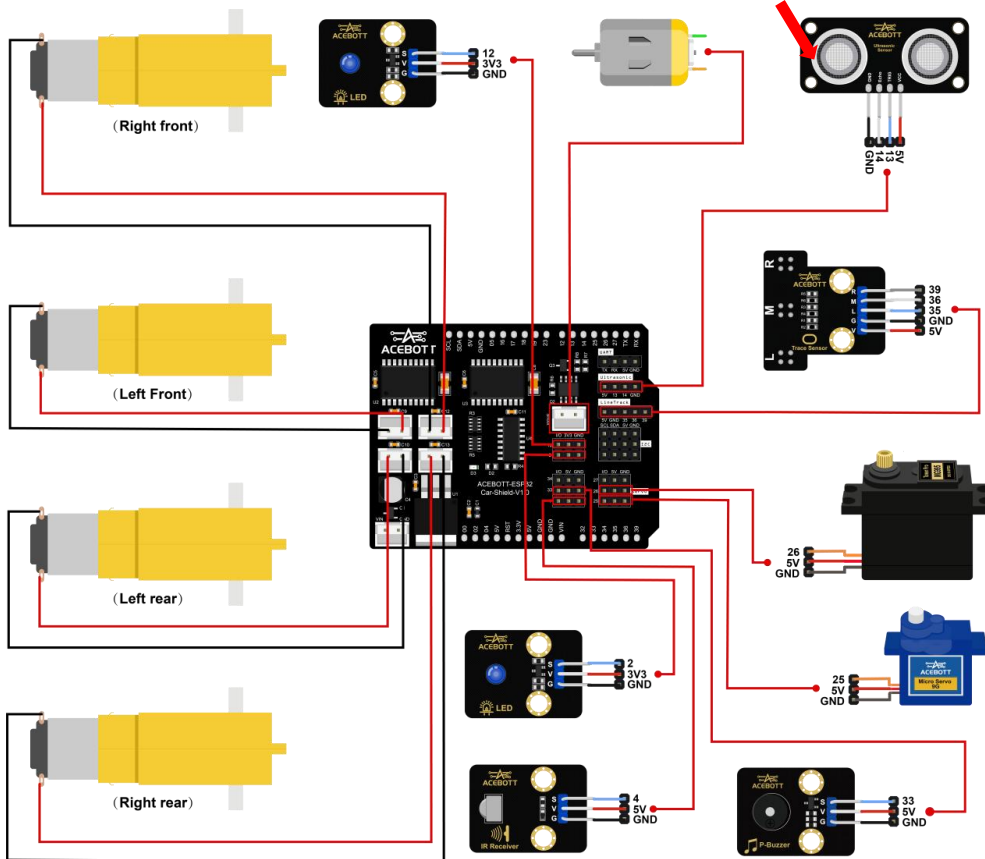


Note

Before locking the screws, you can refer to the Step11 wiring diagram to complete the wiring of the water bullet gun cart.

Step 11 Wiring

Attention: The ultrasonic sensor may have different hardware versions, so it needs to be connected according to the actual pin identification.



1. The color of DuPont wire is blue, red and black. The blue wire is connected to the S pin, the red wire is connected to the V pin, and the black wire is connected to the G pin;
2. The color of the servo wire is different from the ordinary DuPont wire. The red wire is connected to the V pin, the brown wire is connected to the G pin, and the yellow wire is connected to the S pin;
3. Ultrasonic wire, the red wire is connected to the V pin, the white wire is connected to the ECHO pin, the blue wire is connected to the TRIG pin, and the black wire is connected to the GND pin;
4. For the tracking sensor wires, connect the red wire to the 5V pin, the black wire to the GND pin, the blue wire to the L pin, the white wire to the M pin, and the gray wire to the R pin.