

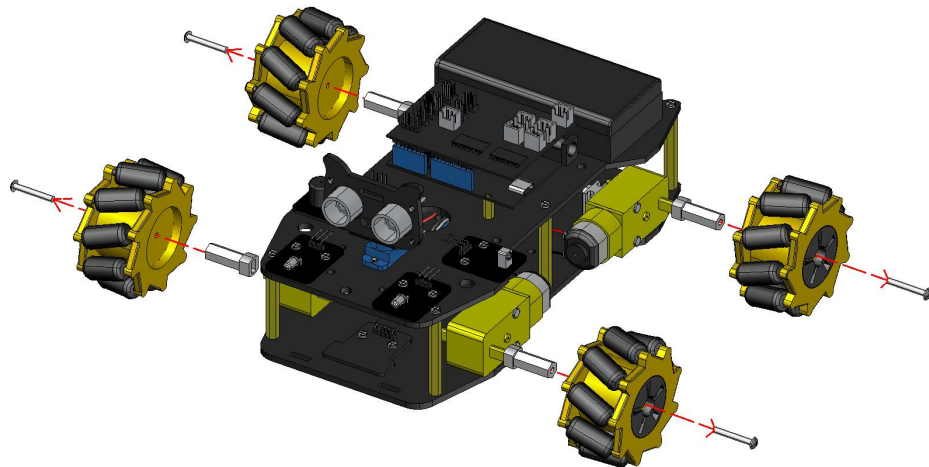
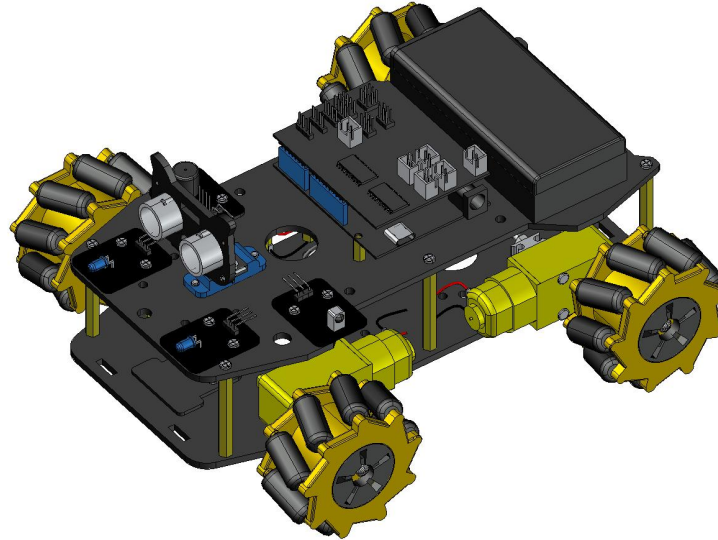
Step 1 Remove the four omni-wheels from the car

Part Lists

Complete car*1

Splicing

Diagram



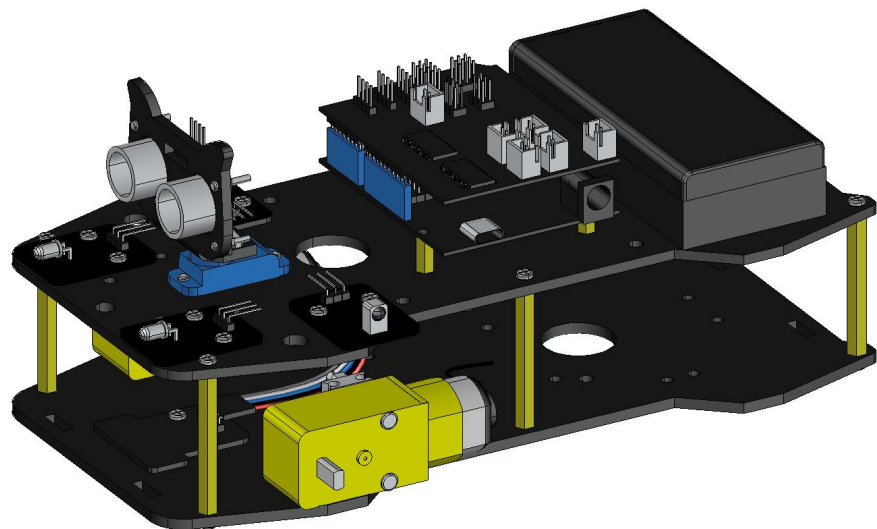
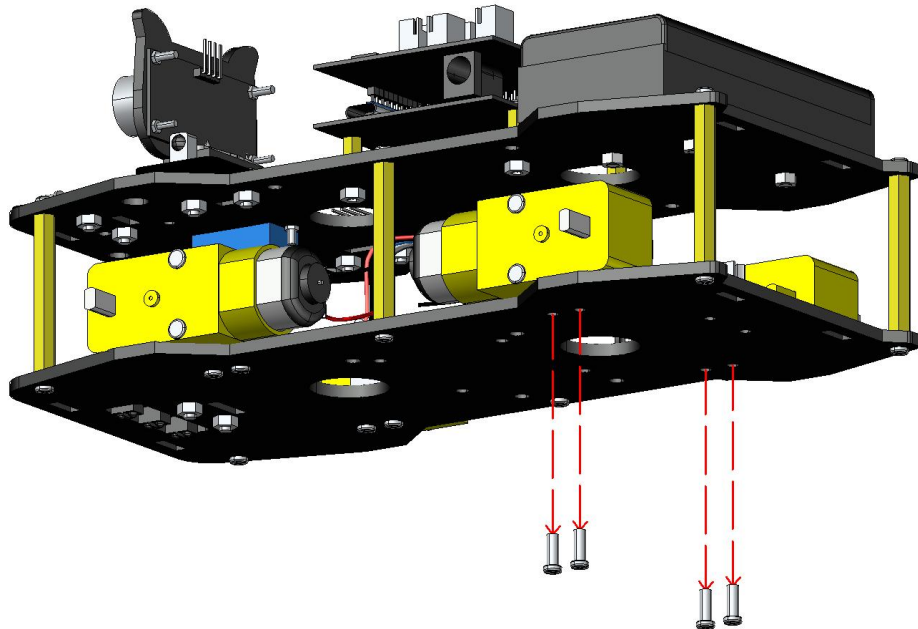
Step 2 Remove the two rear wheel motors

Part Lists

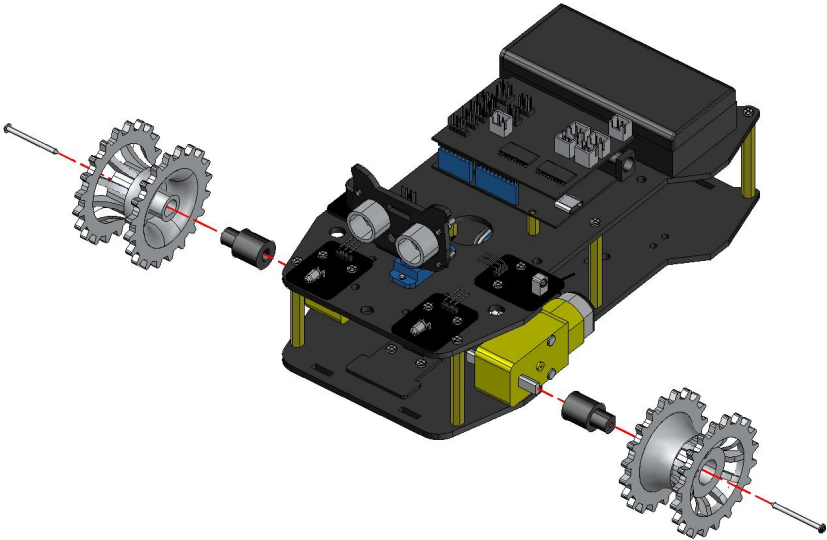
The car with the omni-wheels removed.

Splicing

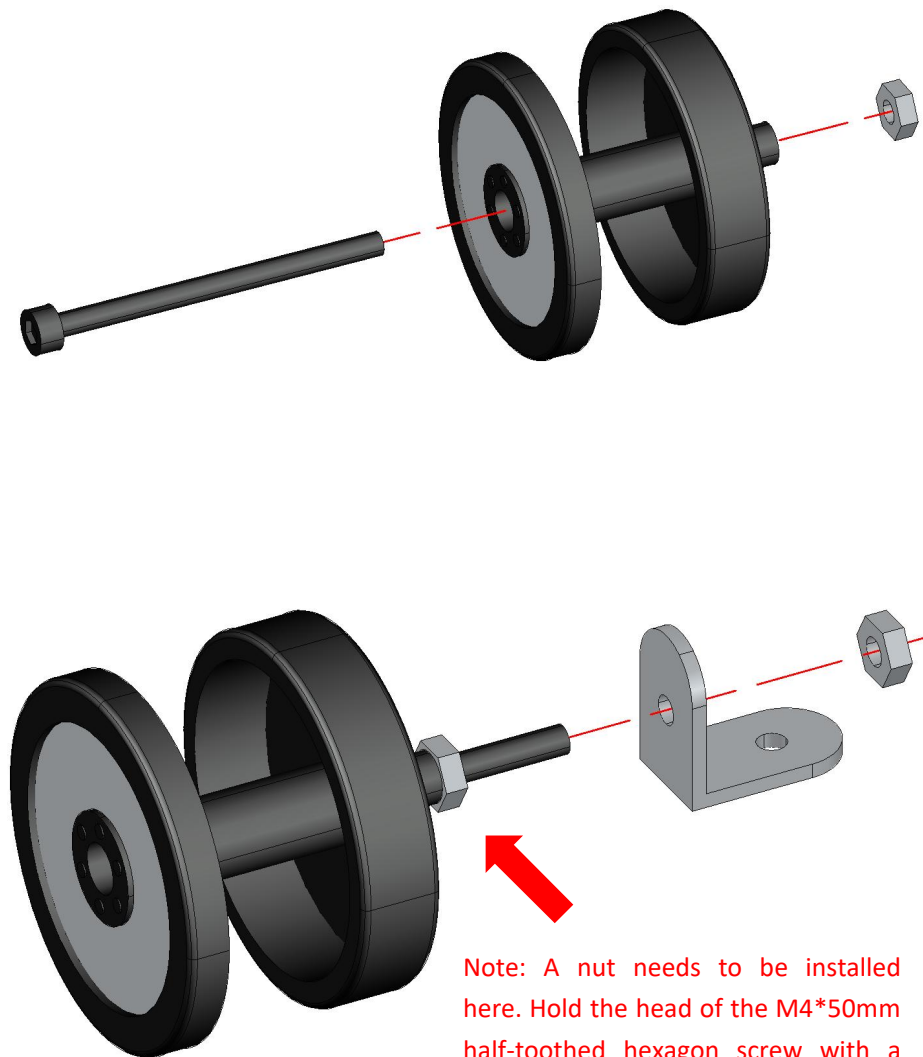
Diagram



Step 3 Install the driving wheel

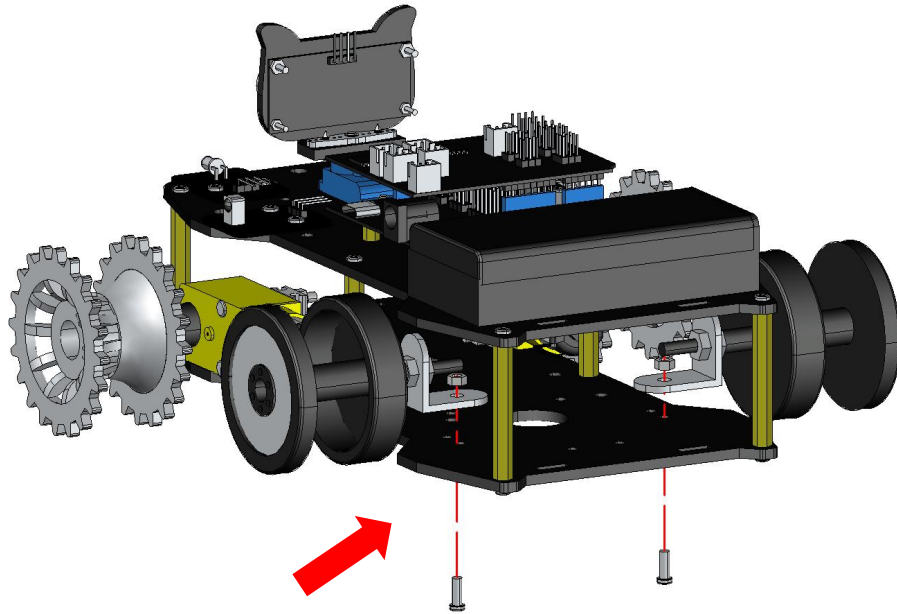
Part Lists	Driving Wheel*2	3D Printed Coupler*2	M2*25mm Round Head Tapping Screw*2
Splicing Diagram			

Step 4 Assemble the load-bearing wheel

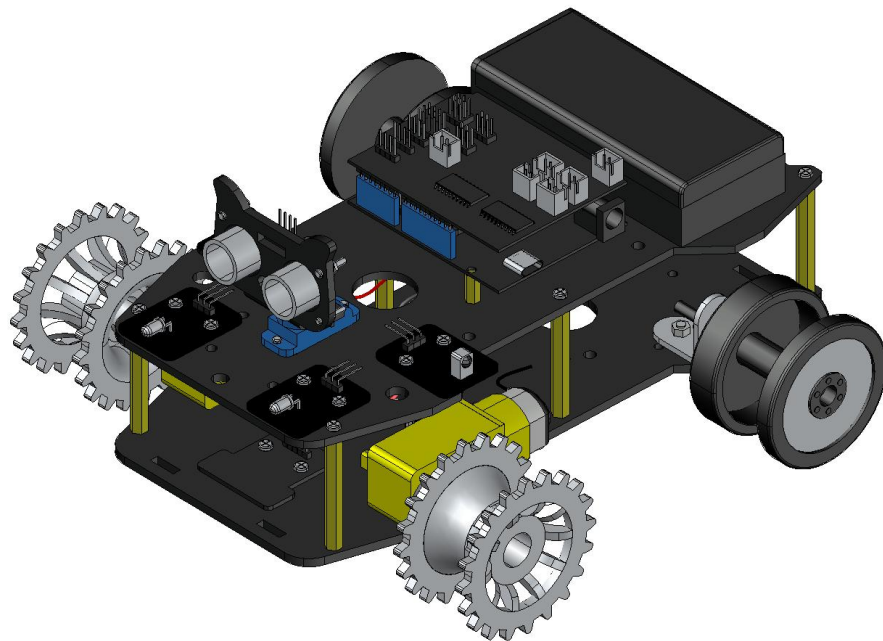
Part Lists	M4*50mm half-tooth hex screw*2	Load Bearing Wheel*2	M4 Nickel-Plated Nut*4	L Shaped Bracket*2
Splicing Diagram	 <p>Note: A nut needs to be installed here. Hold the head of the M4*50mm half-toothed hexagon screw with a hex wrench. After the nut is covered with a cross socket tool, rotate the hex wrench to tighten the nut.</p>			

Step 5 Install the load-bearing wheel structure

Part Lists	Assembled load-bearing wheel structure	M3*10mm Countersunk Head Screw*2	M3 Nickel-Plated Nut*2
------------	--	-------------------------------------	------------------------------



Note: Here the lock is next to the hole in the rear of the car, and then do not tighten it so tight, because you need to turn it in the next step.



Splicing
Diagram

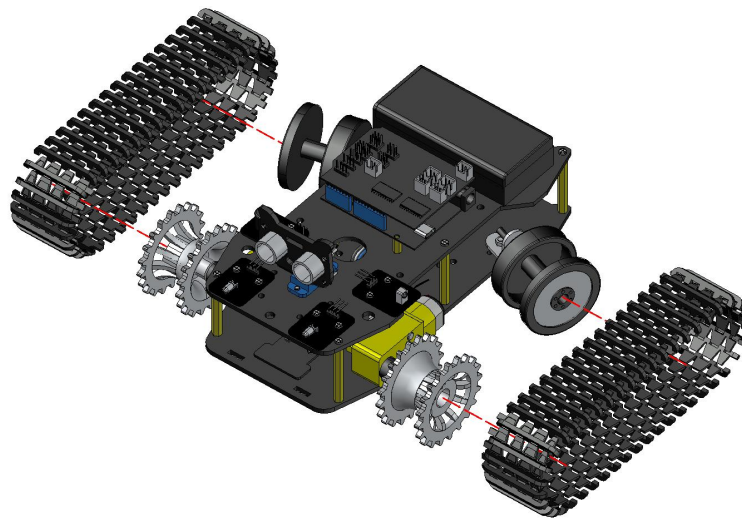
Step 6 Install the tracks(1)

Part Lists

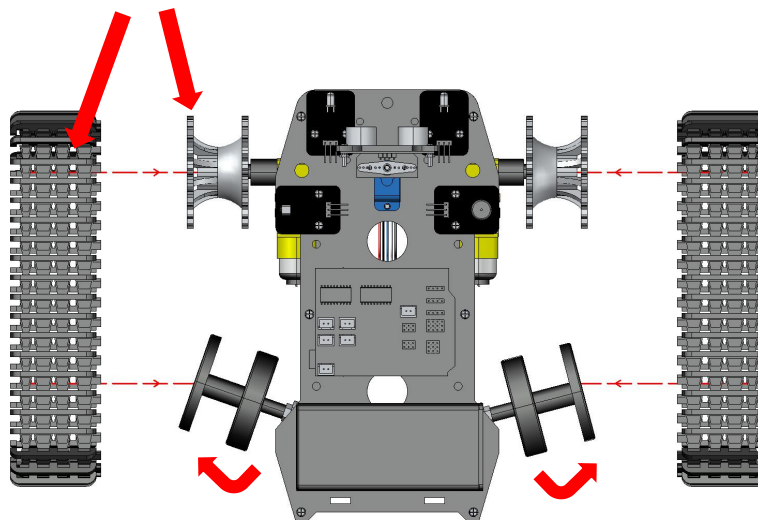
Tank Track*2

Splicing

Diagram



Note: This row of holes of the track is mounted against the inside and then snaps into the wheel's gears.



Notes

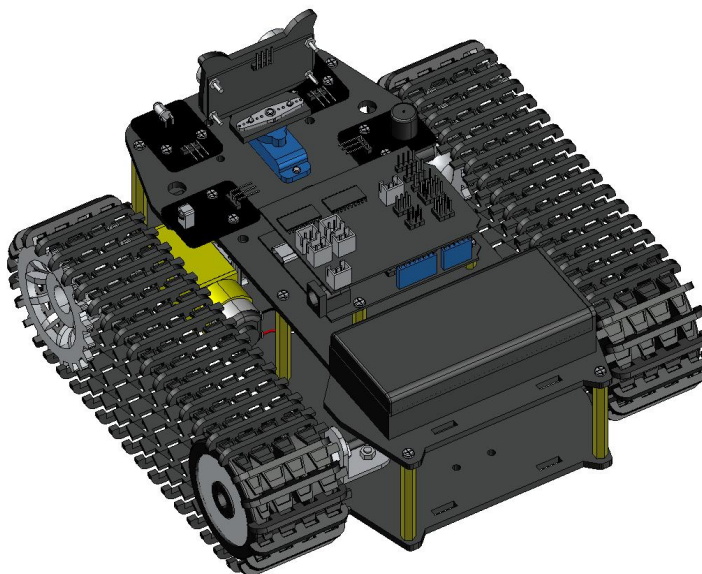
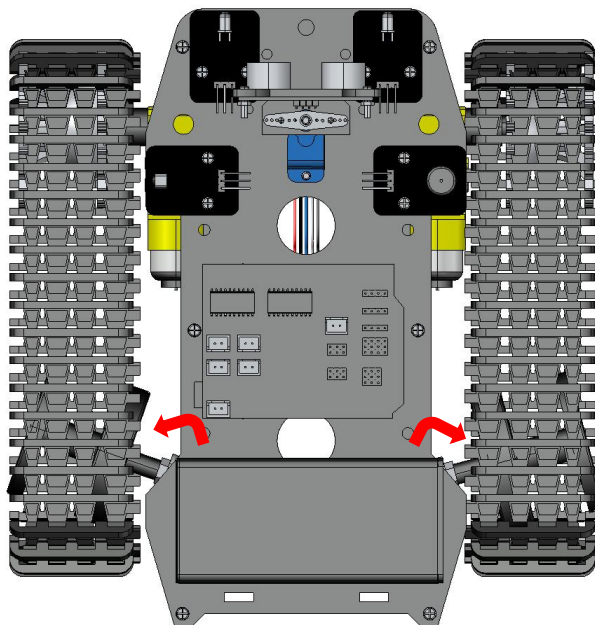
First, rotate the load-bearing wheel of the rear wheel assembly inward, then install the tracks.

Step 7 Install the tracks(2)

Part Lists

Splicing

Diagram

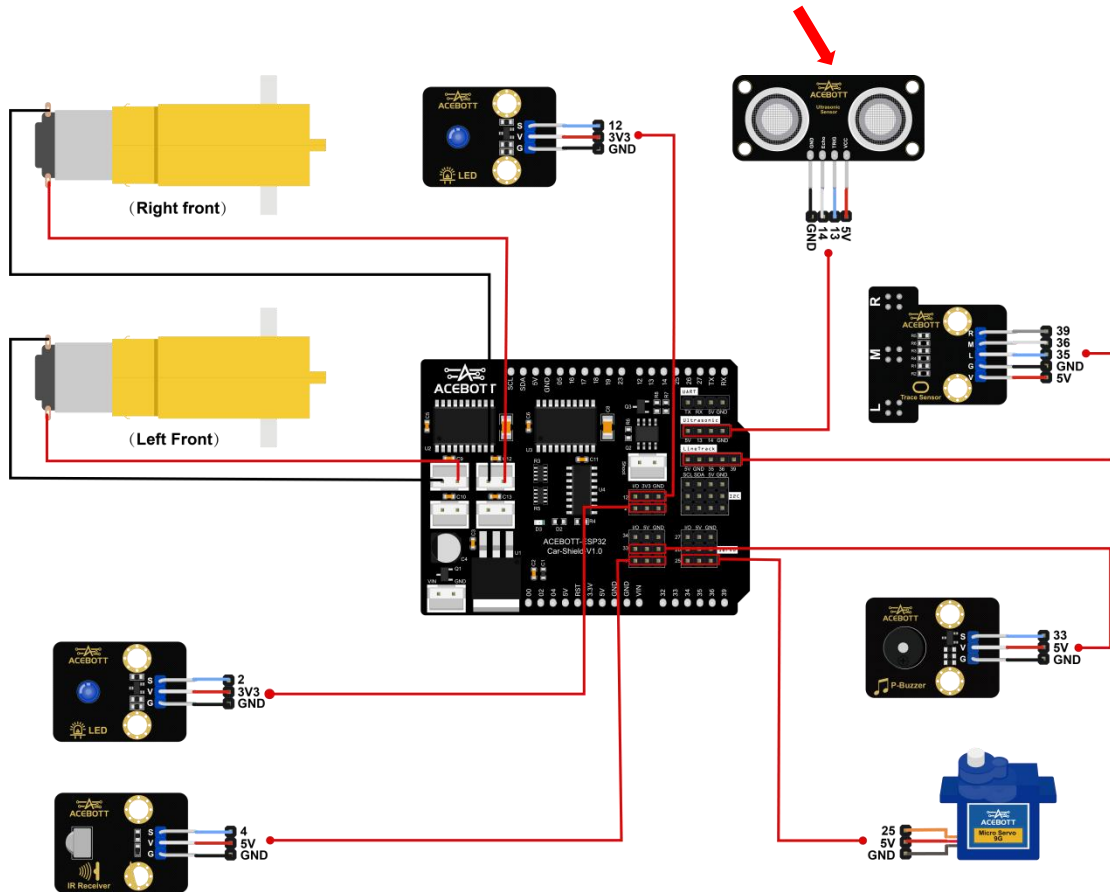


Notes

After installing the tracks, return the load-bearing wheel to its original position, and finally tighten the screws.

Step 8 Wiring diagram

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



- 1.The DuPont wires are blue, red, and black. The blue wire connects to the S pin, the red wire connects to the V pin, and the black wire connects to the G pin.
- 2.The servo motor wires have different colors from regular DuPont wires. The red wire connects to the V pin, the brown wire connects to the G pin, and the yellow wire connects to the S pin.
- 3.For the ultrasonic sensor wires, the red wire connects to the V pin, the white wire connects to the ECHO pin, the blue wire TRIG connects to the pin, and the black wire connects to the GND pin.
- 4.For the line tracking sensor wires, the red wire connects to the 5V pin, the black wire connects to the GND pin, the blue wire connects to the L pin, the white wire connects to the M pin, and the gray wire connects to the R pin.