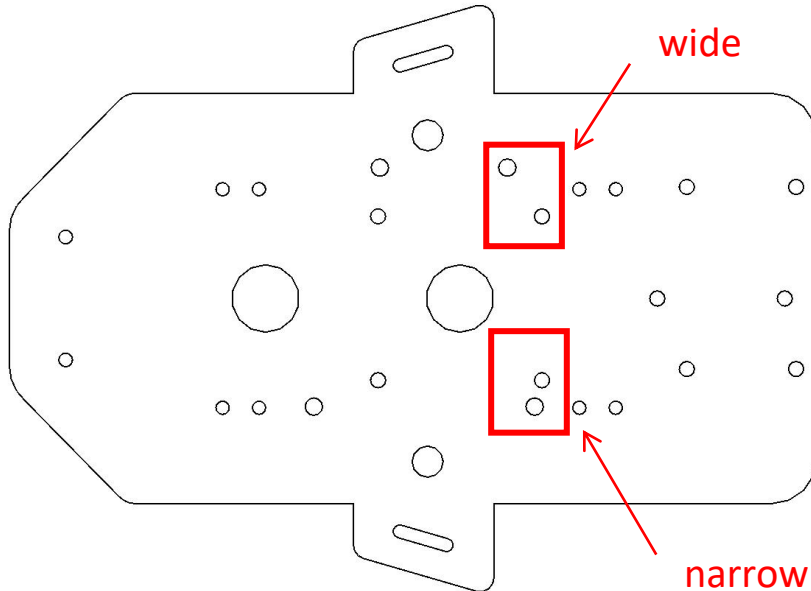
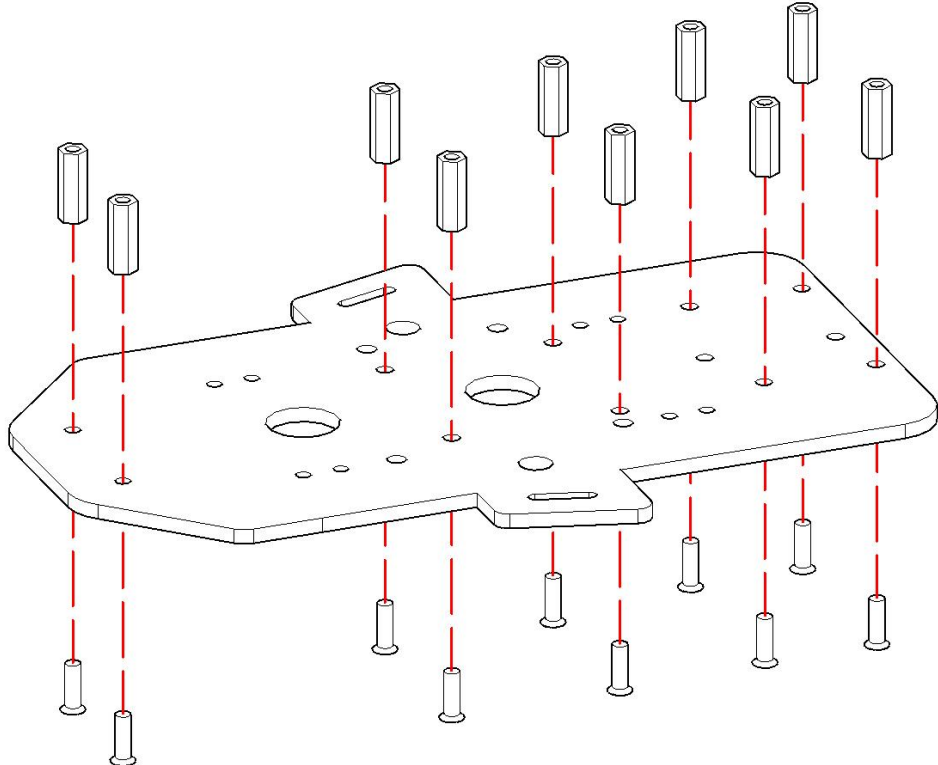


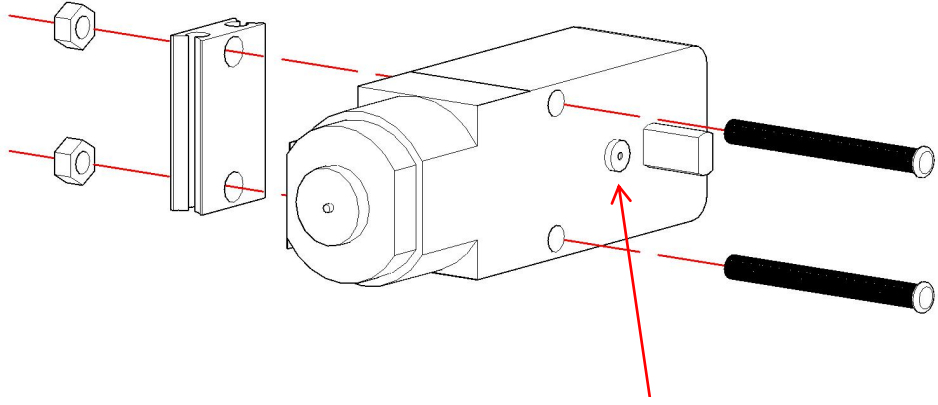
Step 0 Distinguish Between Front And Back

Parts List	Acrylic Base Plate		
Splicing Diagram	 The diagram shows a top-down view of an irregularly shaped acrylic base plate. It features two large circular holes in the center, several smaller circular holes along the edges, and two elongated rectangular slots at the top and bottom. Two red rectangular boxes highlight specific areas of the plate. The top box is labeled 'wide' with a red arrow pointing to it, and the bottom box is labeled 'narrow' with a red arrow pointing to it. This indicates that the spacing between the circular holes should be wider at the top and narrower at the bottom to distinguish the front from the back. <p>wide</p> <p>narrow</p>		
Notes	<p>1. Note the orientation of the base plate. As shown in the picture, the circular hole spacing indicated by the arrow should be wider at the top and narrower at the bottom, which means this side is the front.</p>		

Step 1 Mounting Copper Column			
Parts List	Acrylic base plate	M3*10 Countersunk Head Phillips Screws*10	M3*18 Double Pass Copper Column*10
Splicing Diagram			
Notes	<p>1.Pay attention to the installation position of each copper column, do not install the wrong hole position.</p> <p>2.Take care to distinguish the positive side of the motherboard.</p>		

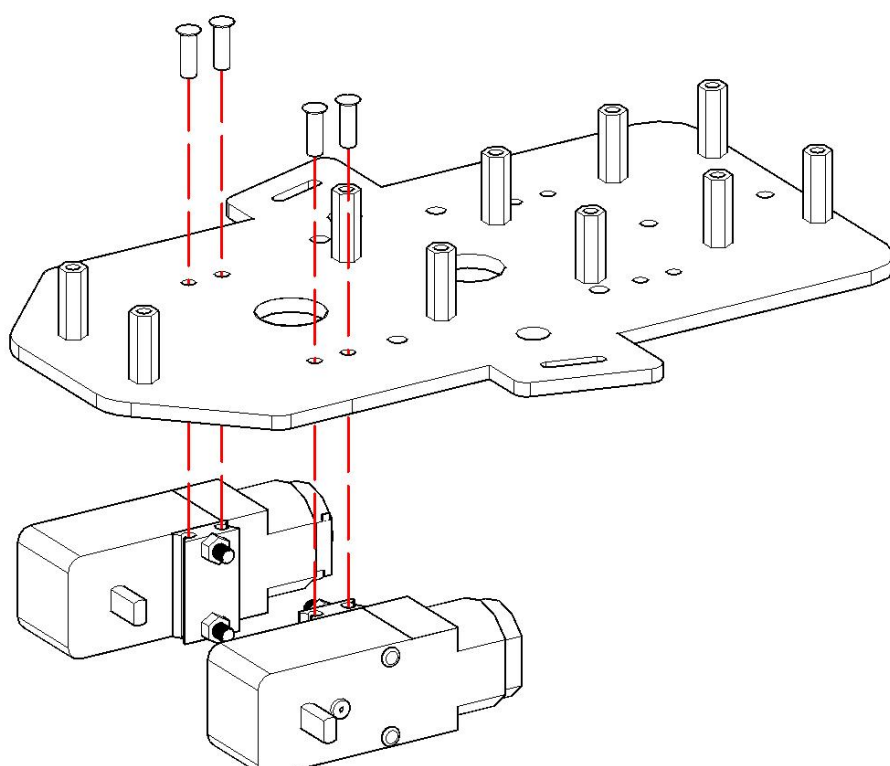
Step 2 Mounting The Motor

2.1 Mounting Motor Bracket

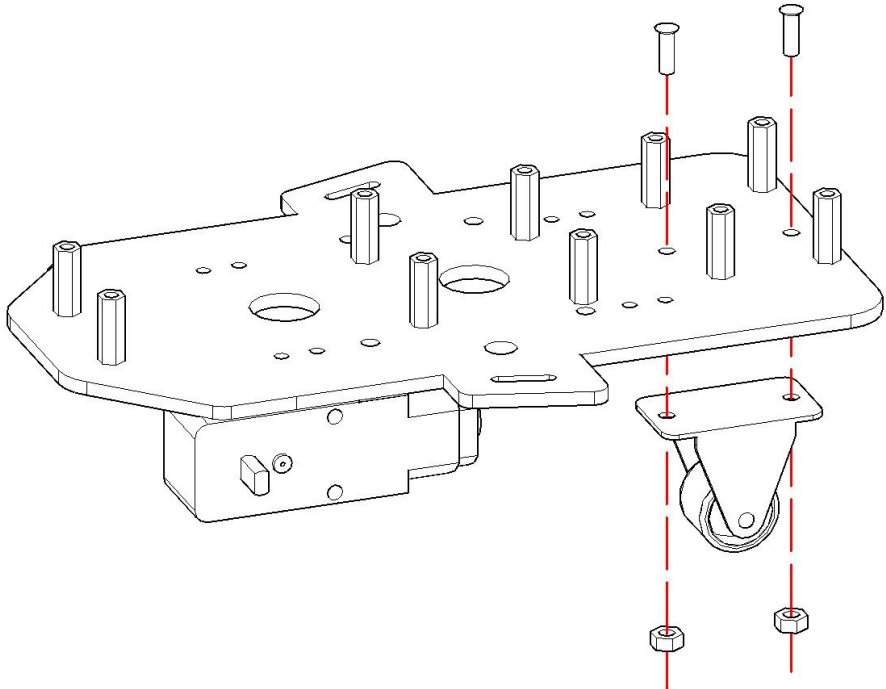
Parts List	TT Motor*2	M3*30 Round Head Phillips Screws*4	M3 Nuts*4
	Metal Motor Bracket*2		
Splicing Diagram	 <p>Bump of motor</p>		
Notes	<p>1.Pay attention to install the motor bracket on the other side of the bump.</p> <p>2.Assemble the two motors with the same assembly method.</p>		

Step 2 Mounting The Motor

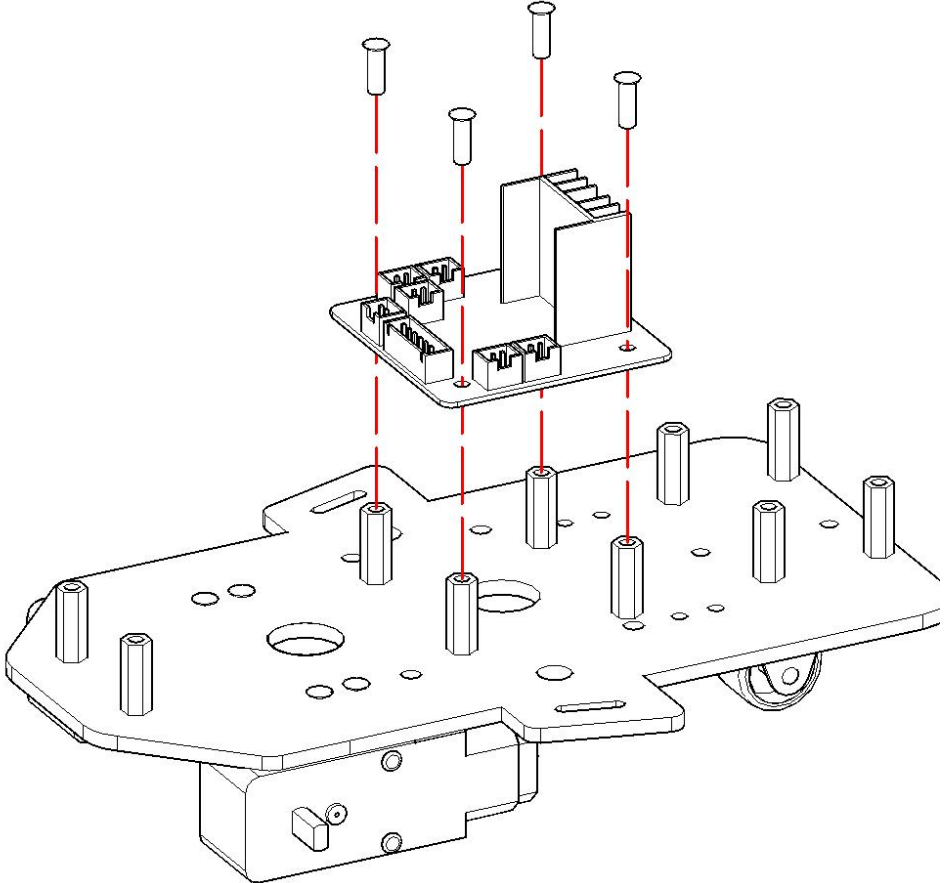
2.2 Fix The Motor

Parts List	Motor With Brackets Installed*2	M3*10 Countersunk Head Phillips Screws*4
Splicing Diagram		
Notes	<p>1. Notice the orientation of the motors, the motor bump is facing out, and the solder joint of the wire is facing in.</p>	

Step 3 Installing The Slave Wheel

Parts List	Engaged Wheel*1	M3 Nuts*2	M3*10 Countersunk Head Phillips Screws*2
Splicing Diagram	 A technical line drawing showing the assembly of a slave wheel. It depicts a main rectangular plate with several vertical posts. Two of these posts are being joined to a separate component, a slave wheel assembly, which consists of a smaller plate and a wheel. Red dashed lines indicate the alignment and the path of the screws and nuts used for assembly. Two screws are shown being inserted into the main plate, passing through the slave wheel assembly, and secured with nuts on the underside.		

Step 4 Installing The Motor Drive Module

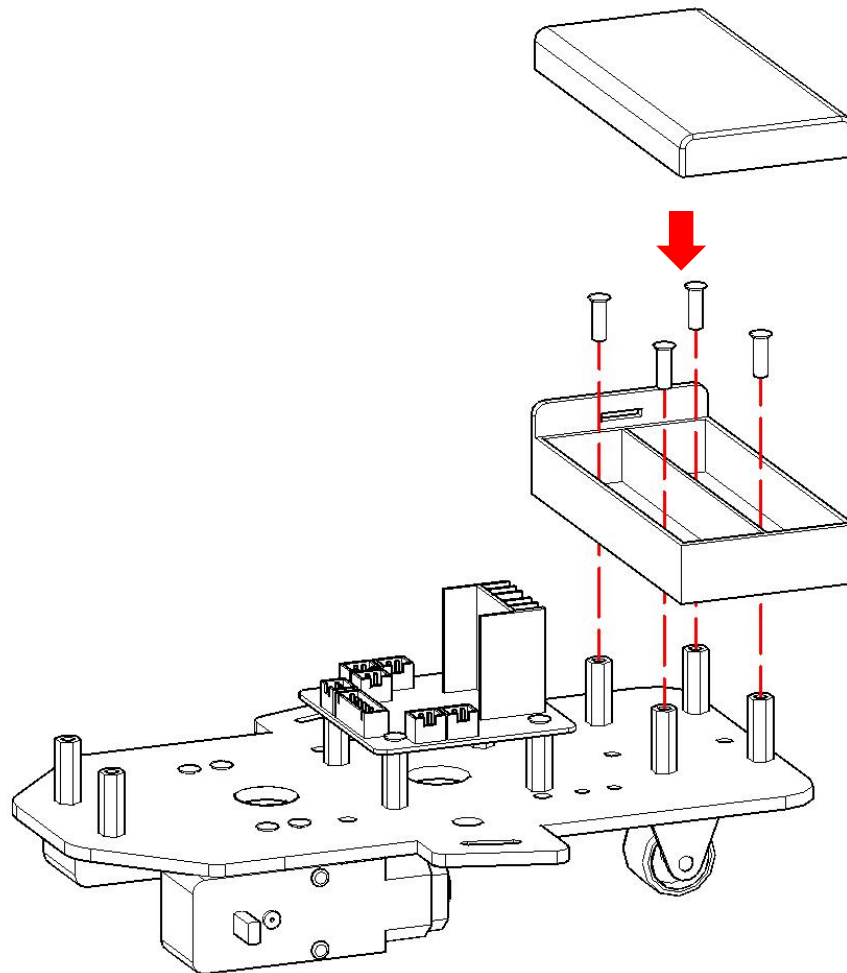
Parts List	Motor Drive Module*1	M3*10 Countersunk Head Phillips Screws*4
Splicing Diagram	 A technical diagram illustrating the installation of a motor drive module. The module, which has a rectangular shape with various electronic components and connectors, is shown being lowered onto a larger, more complex base plate. Four vertical red dashed lines indicate the alignment of four screws that will be used to secure the module to the base plate. The base plate has several pre-drilled holes and a circular cutout. A small wheel is visible on the right side of the base plate.	
Notes	1. Pay attention to the orientation of the motor drive board.	

Step 5 Installing Battery Case

Parts List

Battery Case*1

M3*10 Countersunk Head Phillips Screws*4

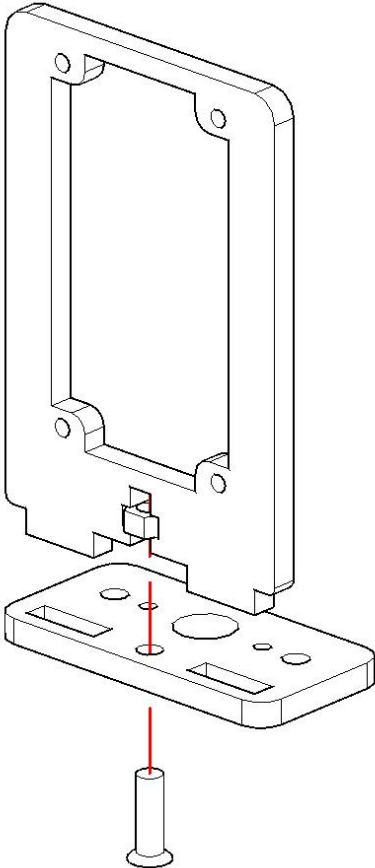
Splicing
Diagram

Notes

1.Note the orientation of the battery case.

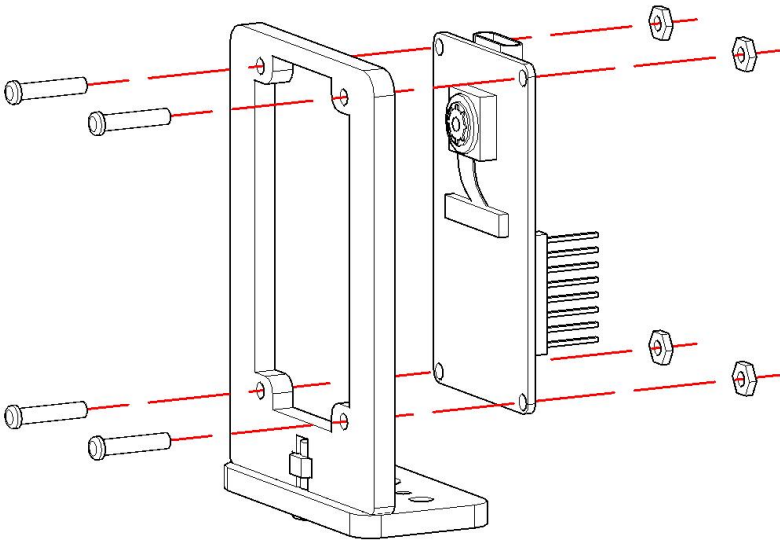
Step 6 Installing ESP32-CAM Module

6.1 Assembling ESP32-Cam Support Frame

Parts List	ESP32-CAM Support Frame Parts*2	M3*10 Countersunk Head Phillips Screws*1	M3 Nut*1
Splicing Diagram			
Notes	<p>1. First put the nut in the corresponding hole position and hold it down.</p> <p>2. Then splice the two parts together and finally lock the screws.</p>		

Step 6 Installing ESP32-CAM Module

6.2 Installing ESP32-CAM Module

Parts List	ESP32-CAM Module*1	M2*10 Round Head Phillips Screw*4	M2 Nuts*4
Splicing Diagram			
Notes	1.Note the orientation and position of the modules and screws.		

Step 6 Installing ESP32-CAM Module

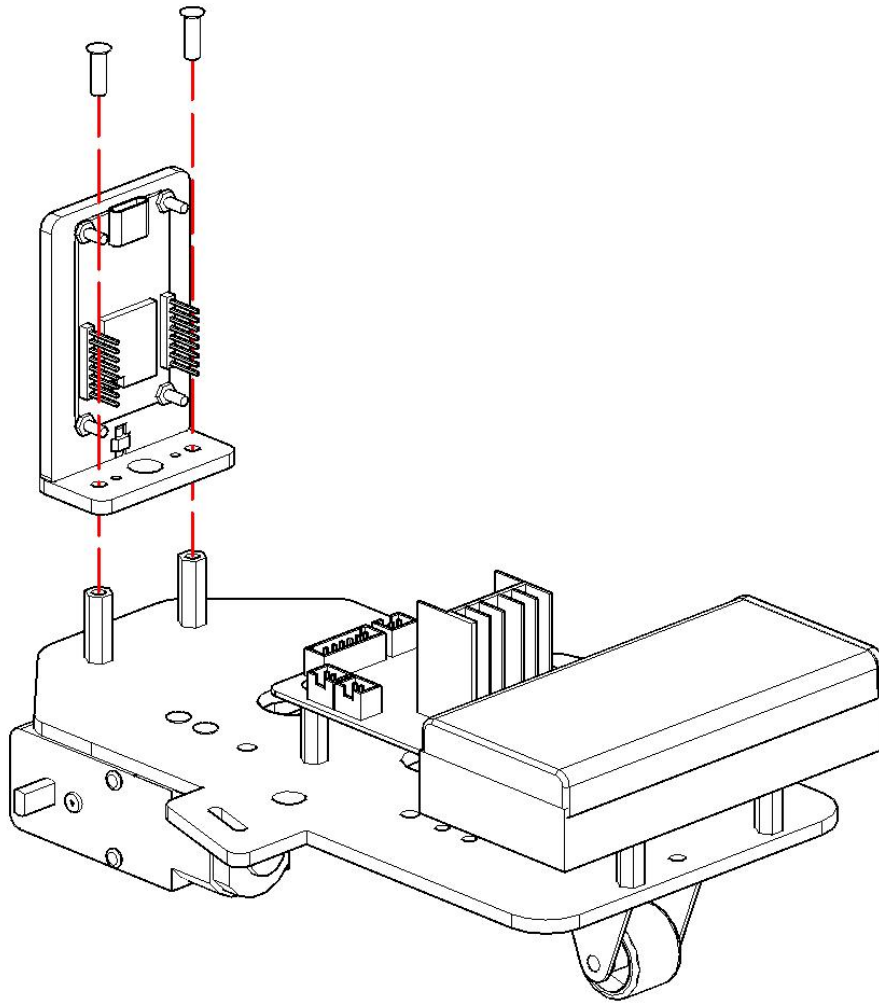
6.3 Fixing The Frame

Parts List

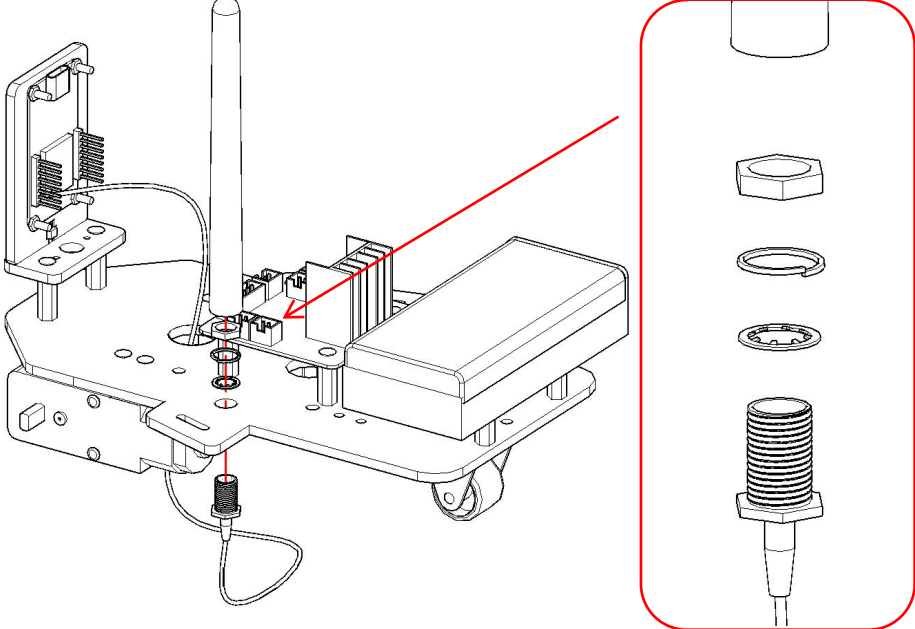
M3*10 Countersunk Head

Phillips Screws*2

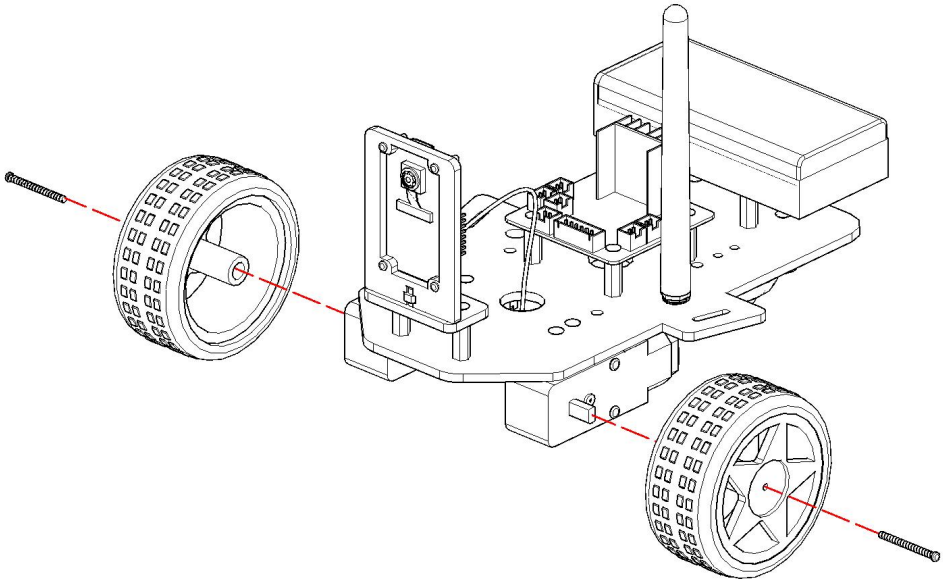
Splicing
Diagram



Step 7 Installing The Antenna Module

Parts List	Antenna Module*1	
Splicing Diagram	 <p>The diagram shows a top-down view of the device's internal components. A red arrow points from a hole in the PCB to a specific position on the ESP32-CAM module. To the right, a red-bordered box contains a vertical stack of parts to be installed: a small cap, a hex nut, a washer, a gasket, and a threaded antenna connector with a cable.</p>	
Notes	<ol style="list-style-type: none">1. First, you need to put the wire through the hole and buckle it to the corresponding position of the ESP32-CAM module.2. Note the order of the parts and install them in the order shown above right.	

Step 8 Mounting Wheels

Parts List	Wheels*2	M2*25 Round Head Self-Tapping Screw*2
Splicing Diagram	 A technical line drawing of a robotic chassis with two wheels being attached. Red dashed lines indicate the assembly path: one line starts from a screw on the left wheel, passes through its axle hole, and ends at the axle hole on the chassis; another line starts from a screw on the right wheel, passes through its axle hole, and ends at the axle hole on the chassis. The chassis has a central motor, a battery pack on top, and various electronic components.	

Step 9 接线

