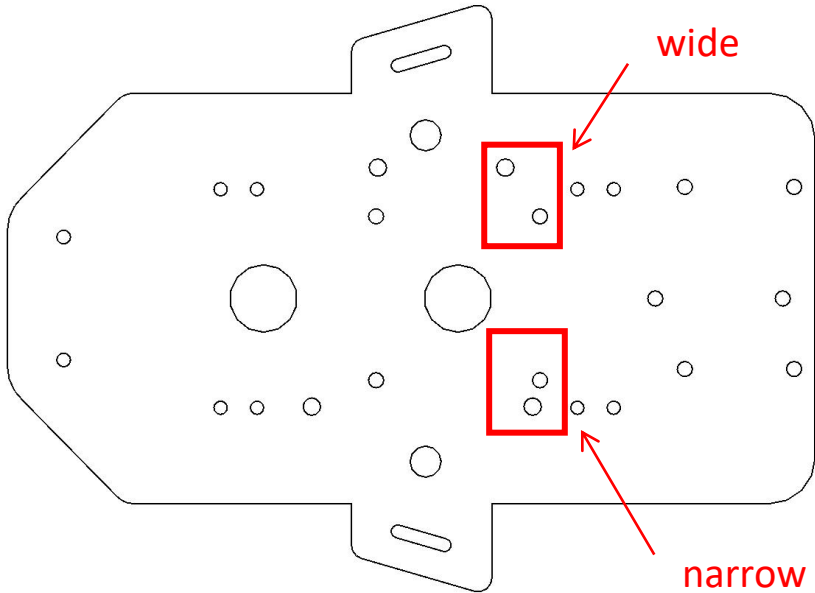
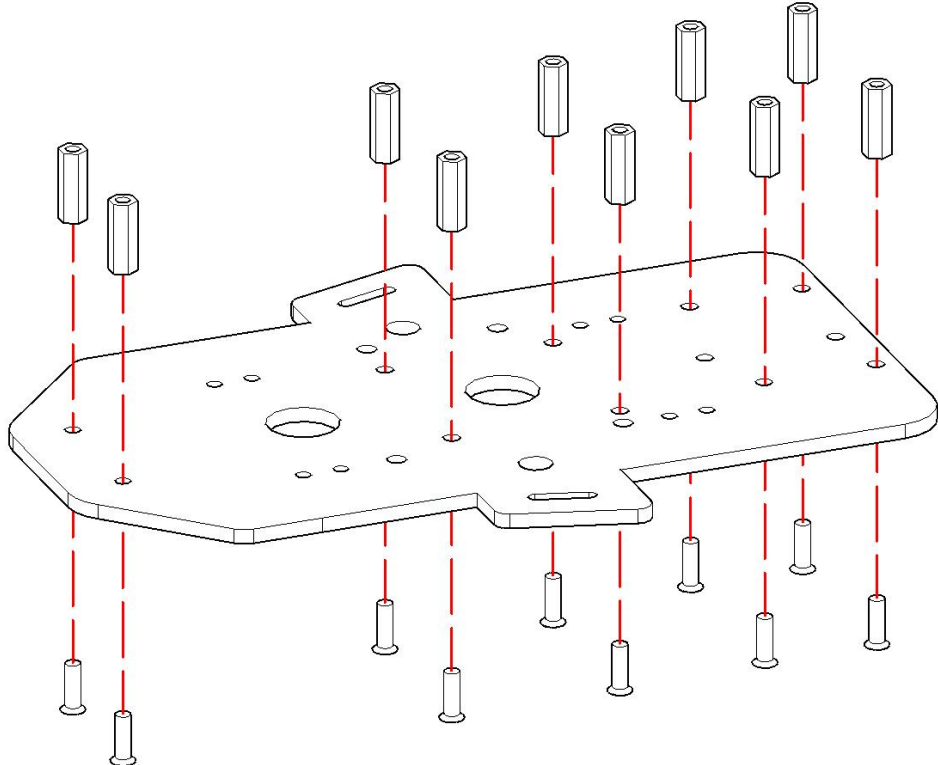


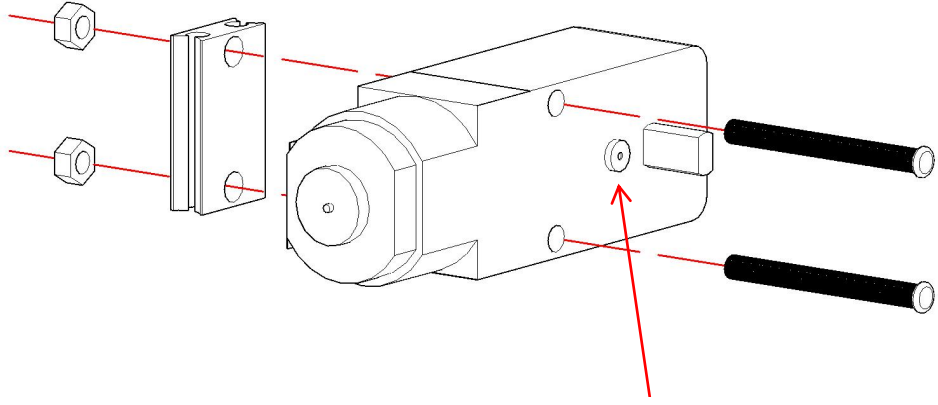
## Step 0 Distinguish Between Front And Back

Parts List	Acrylic Base Plate		
Splicing Diagram	 A technical diagram of an acrylic base plate, which is a rectangular plate with rounded corners and several circular holes of different sizes. Two specific areas are highlighted with red rectangles. The top rectangle is labeled 'wide' with a red arrow pointing to it, and the bottom rectangle is labeled 'narrow' with a red arrow pointing to it. This indicates that the spacing between the holes in the top rectangle is wider than in the bottom rectangle. <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>		

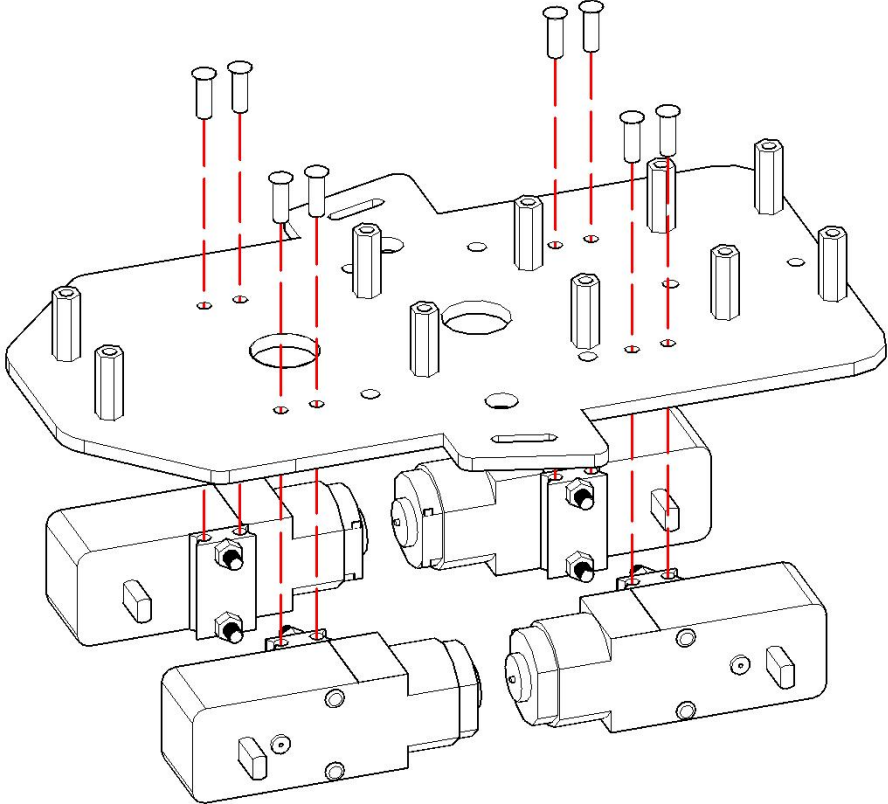
## Step 2 Mounting The Motor

### 2.1 Mounting Motor Bracket

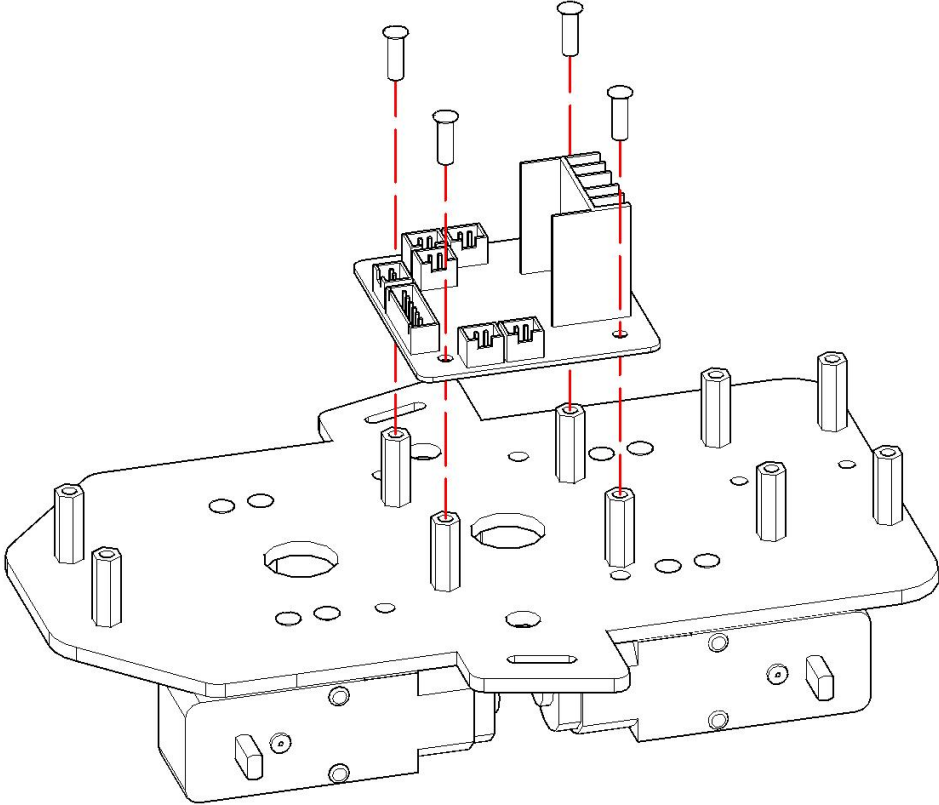
Parts List	TT Motor*4	M3*30 Round Head Phillips Screws*8	M3 Nuts*8
	Metal Motor Bracket*4		
Splicing Diagram	 <p>Bump of motor</p>		
Notes	<p>1.Pay attention to install the motor bracket on the other side of the bump.</p> <p>2.Assemble the four motors with the same assembly method.</p>		

## Step 2 Mounting The Motor

### 2.2 Fix The Motor

Parts List	Motor With Brackets Installed*4	M3*10 Countersunk Head Phillips Screws*8
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 Motor Drive Module

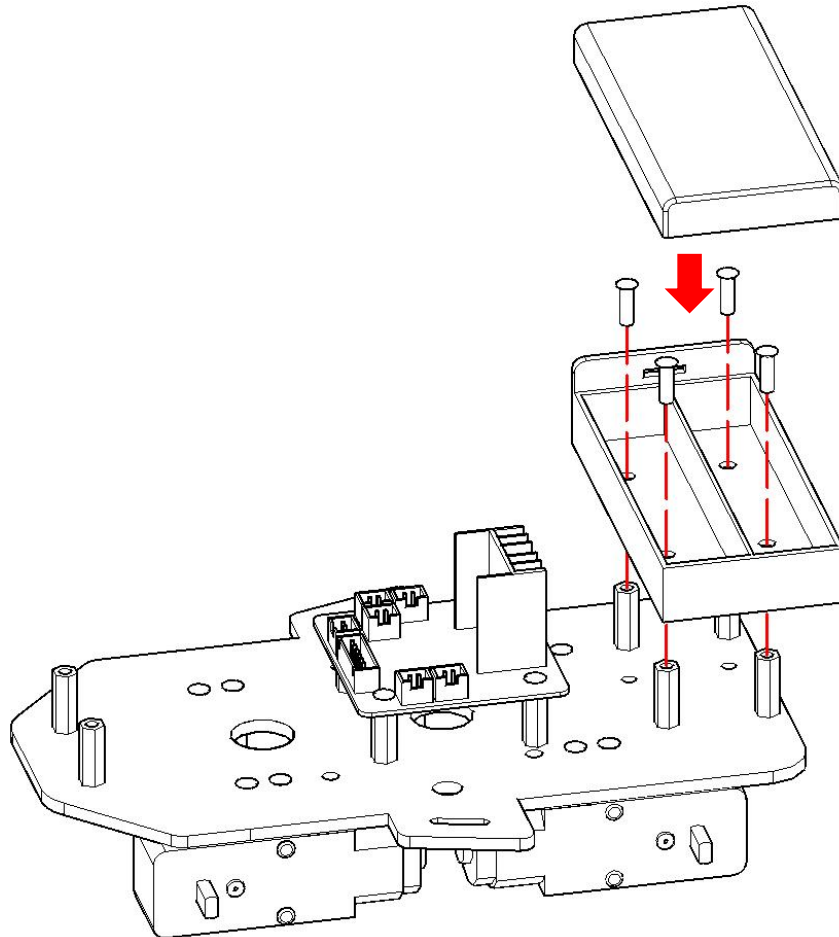
Parts List	Motor Drive Module*1	M3*10 Countersunk Head Phillips Screws*4
Splicing Diagram		
Notes	1. Pay attention to the orientation of the motor drive board.	

## Step 4 Installing Battery Case

Parts List

Battery Case\*1

M3\*10 Countersunk Head Phillips Screws\*4

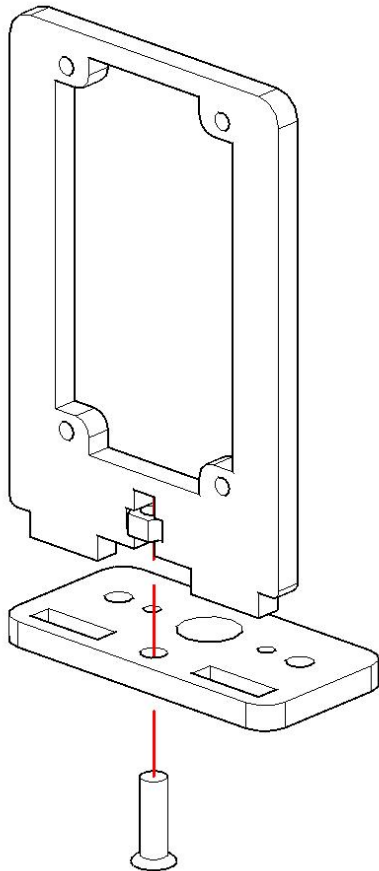
Splicing  
Diagram

Notes

**1.Note the orientation of the battery case.**

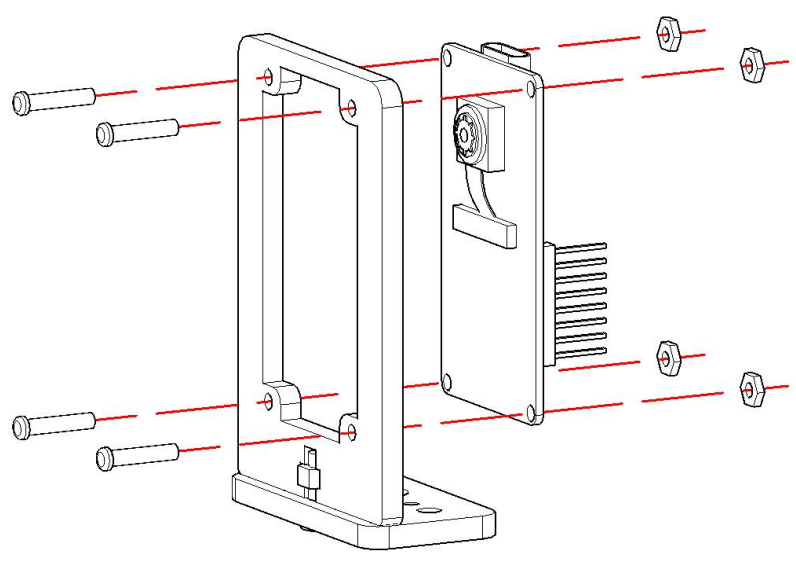
## Step 5 Installing ESP32-CAM Module

### 5.1 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 5 Installing ESP32-CAM Module

### 5.2 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 5 Installing ESP32-CAM Module

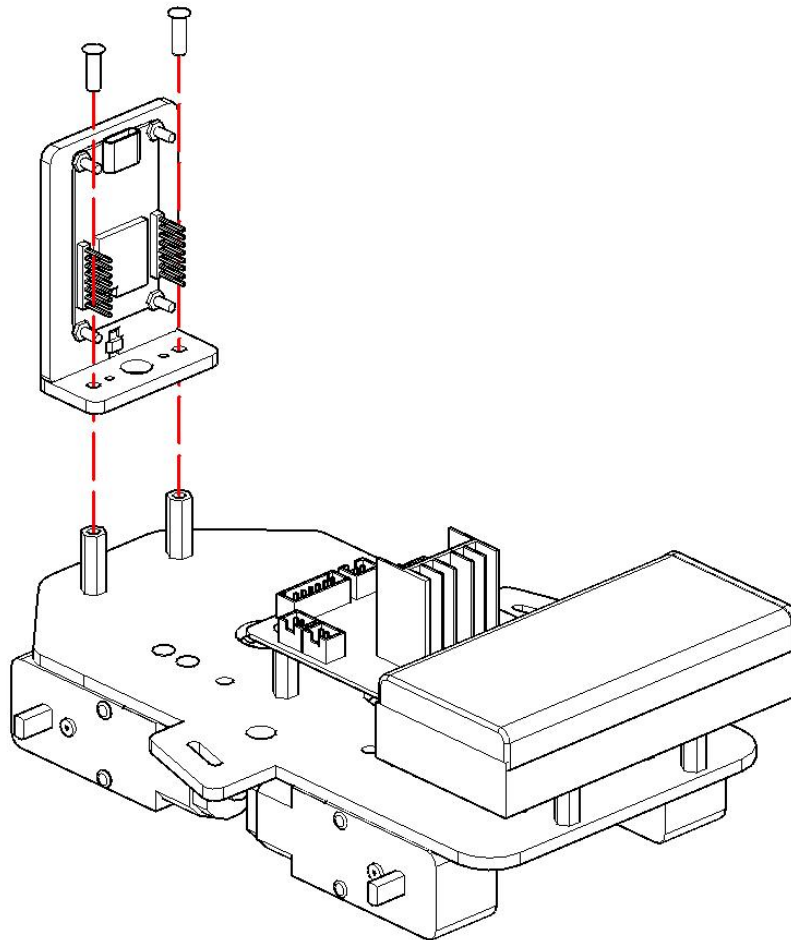
### 5.3 Fixing The Frame

Parts List

M3\*10 Countersunk Head

Phillips Screws\*2

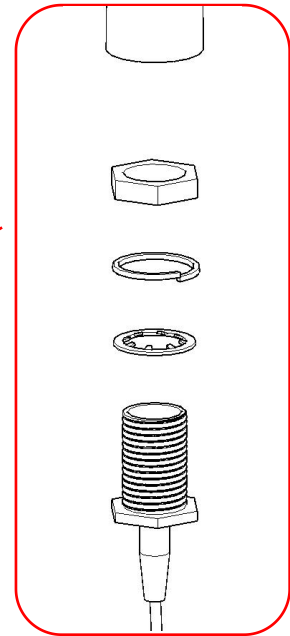
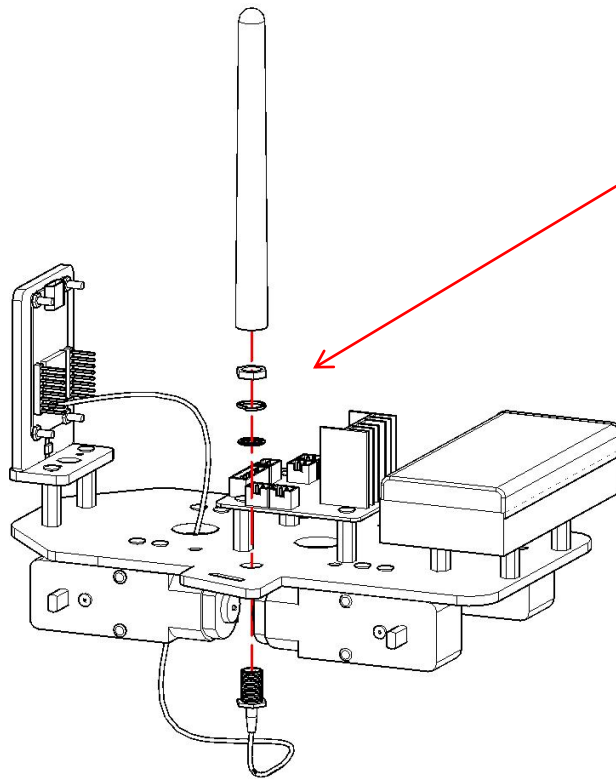
Splicing  
Diagram



## Step 6 Installing The Antenna Module

Parts List

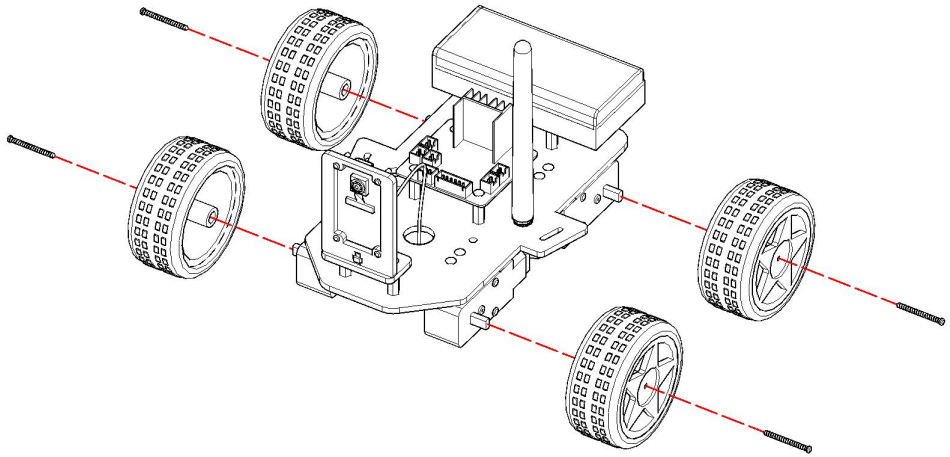
Antenna Module\*1

Splicing  
Diagram

Notes

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 7 Mounting Wheels

Parts List	Wheels*4	M2*25 Round Head Self-Tapping Screw*4
Splicing Diagram	 A technical diagram illustrating the assembly of four wheels onto a robot chassis. The chassis is shown from a top-down perspective, with a central motor and gear system. Four wheels, each with a black rubber tire and a silver metal rim, are positioned around the chassis. Red dashed lines connect each wheel to a corresponding screw, indicating the assembly path. The screws are shown being inserted into the chassis from the bottom, passing through the wheel's hub, and then being tightened from the top. The diagram is a line drawing with red dashed lines for the assembly path.	

## Step 8 Wiring

