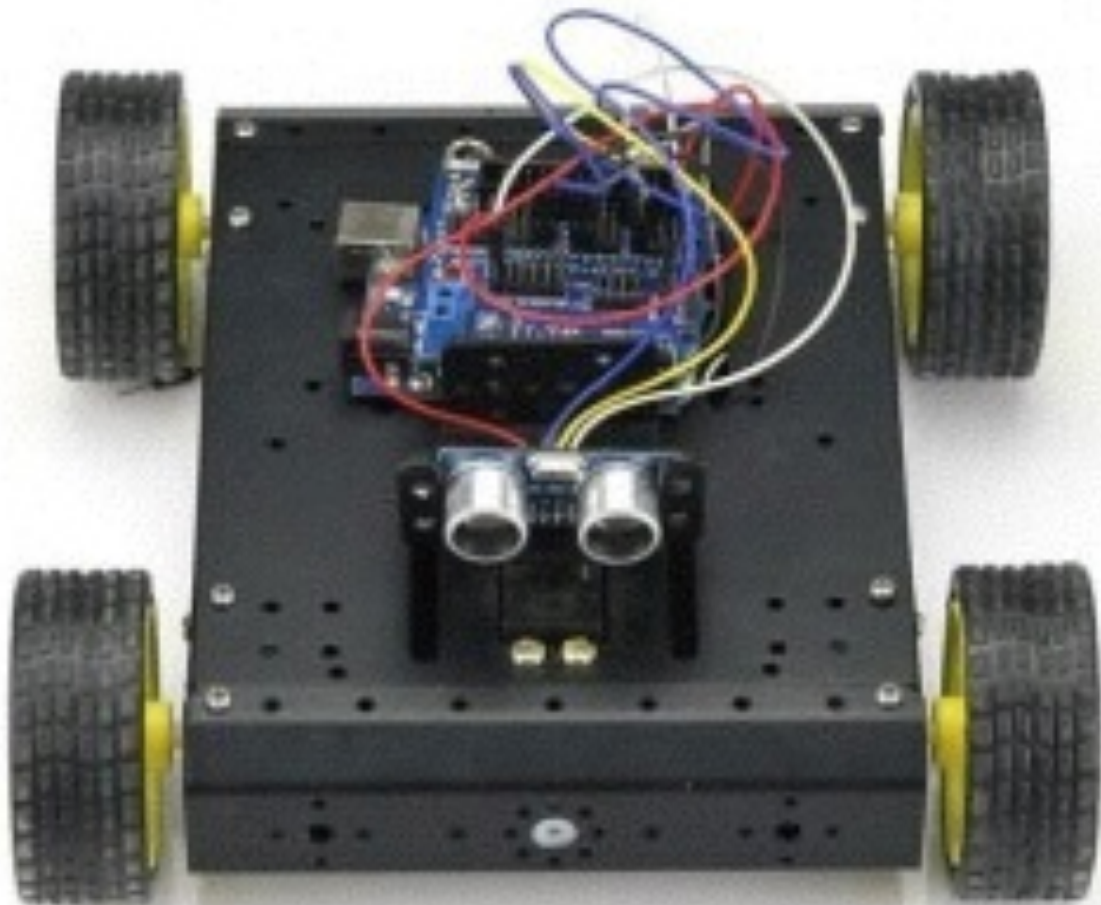
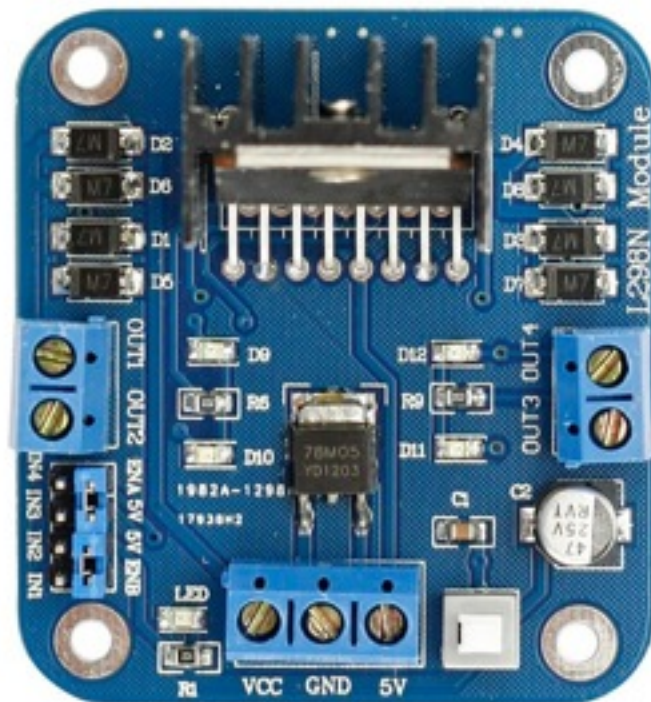
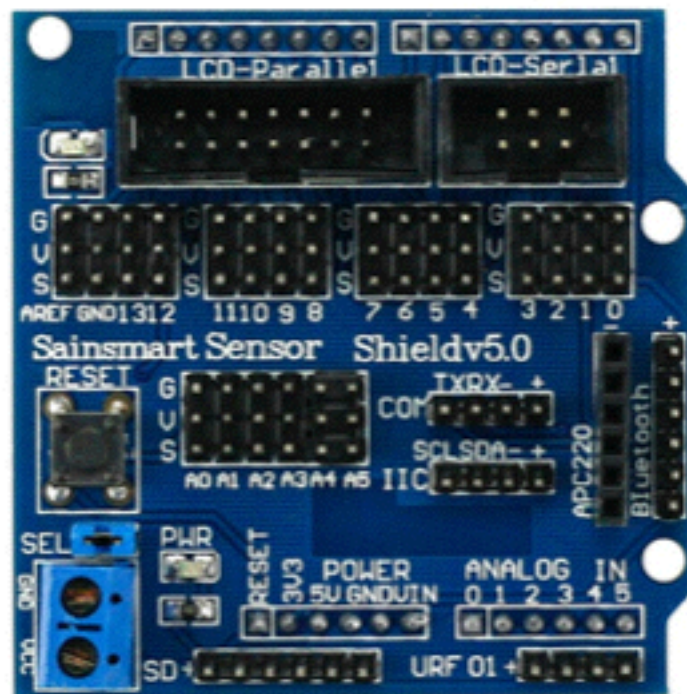


AS-4WDA mobile robot platform Installation manual v1.0







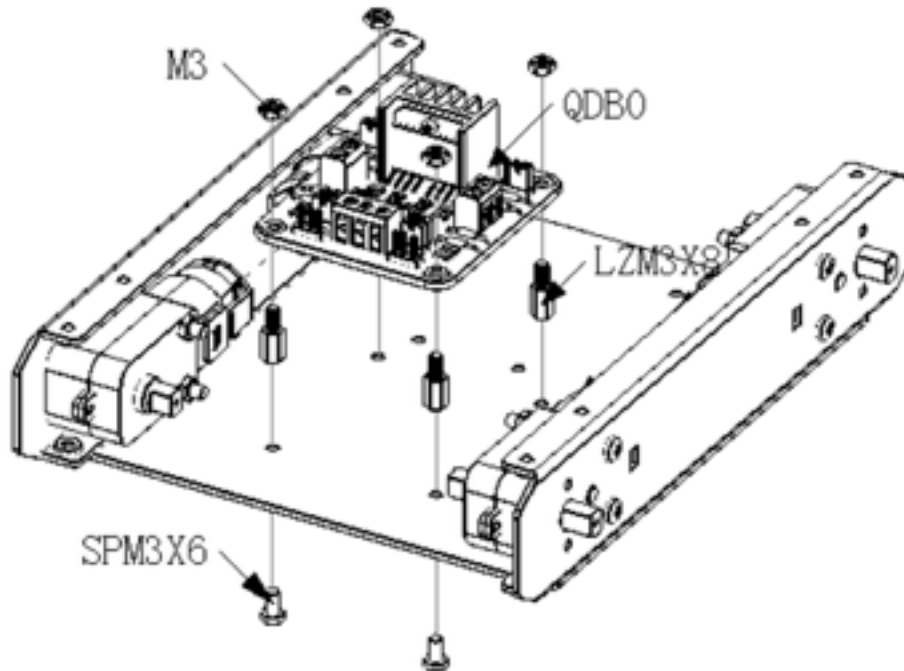
二、 The use of tools

1、 cross screwdriver (need to use 2 mm and 4 mm two specifications)

2 、 needle nose pliers



Step 2.1 drive plate installation

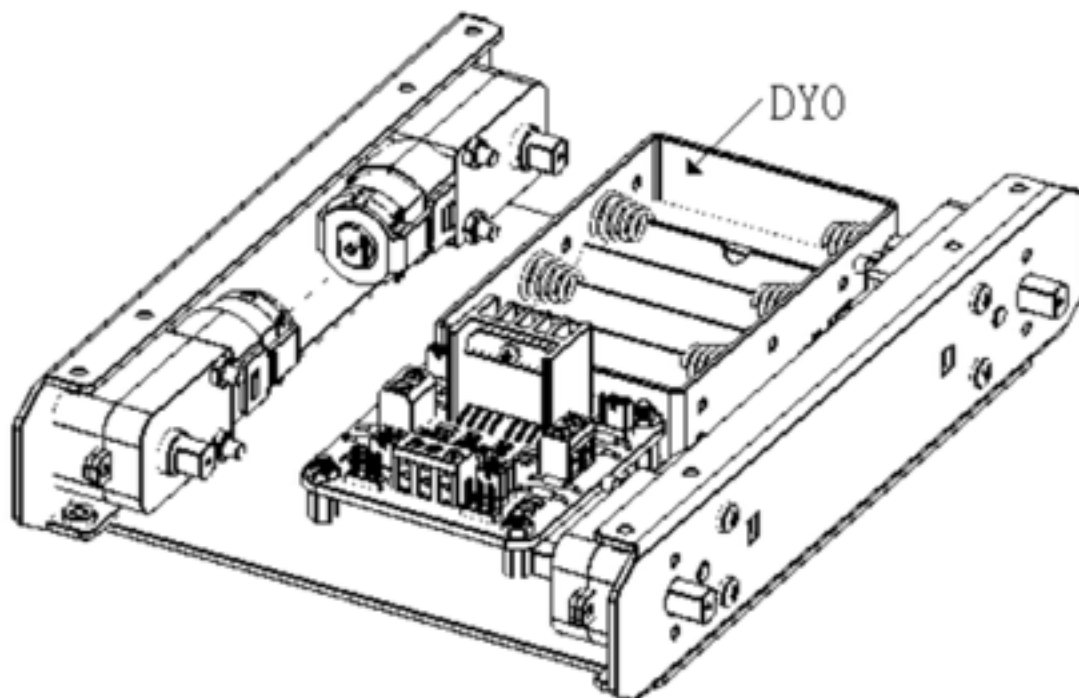


Drive board mounting direction freely, pay attention to the ipsilateral motor wiring direction sequence

The assembly steps **Matters needing attention:**

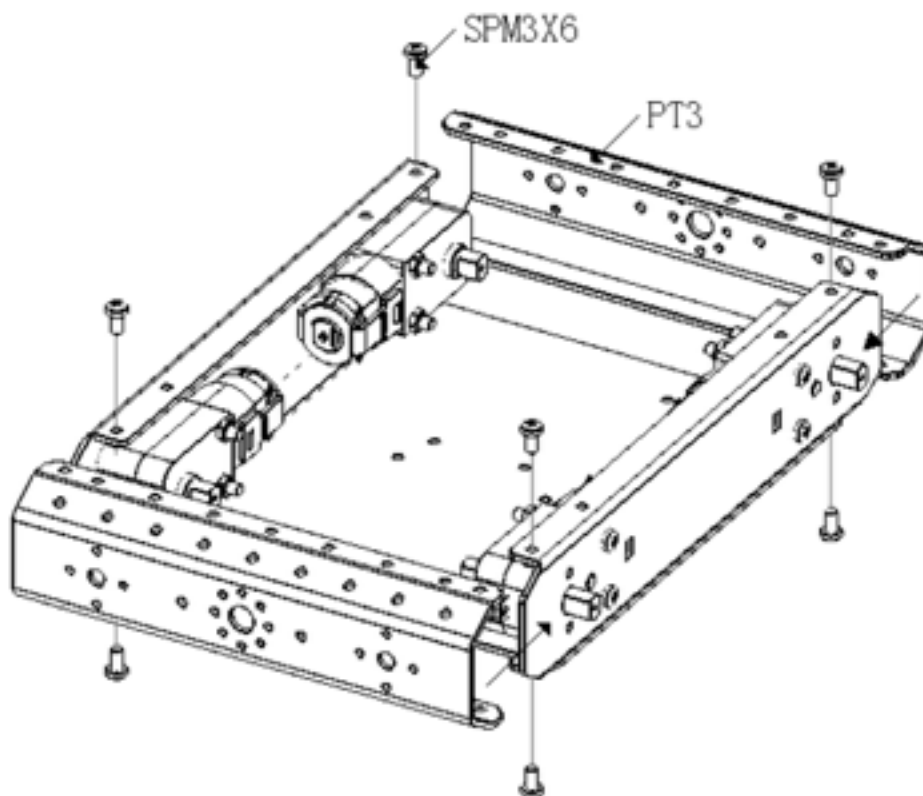
- 1 、 carefully interpret the images and pay attention to installation order, in case of doubt can refer to the next installation diagram.
- 2、 please note that manual red font part, avoid the error caused by repeated disassembly and installation.

Step 2.2 are arranged in the battery box



The battery box can be double-sided glue fixed, rear wheel motor wiring need to insert the DuPont line cap, access interface of the stepping motor

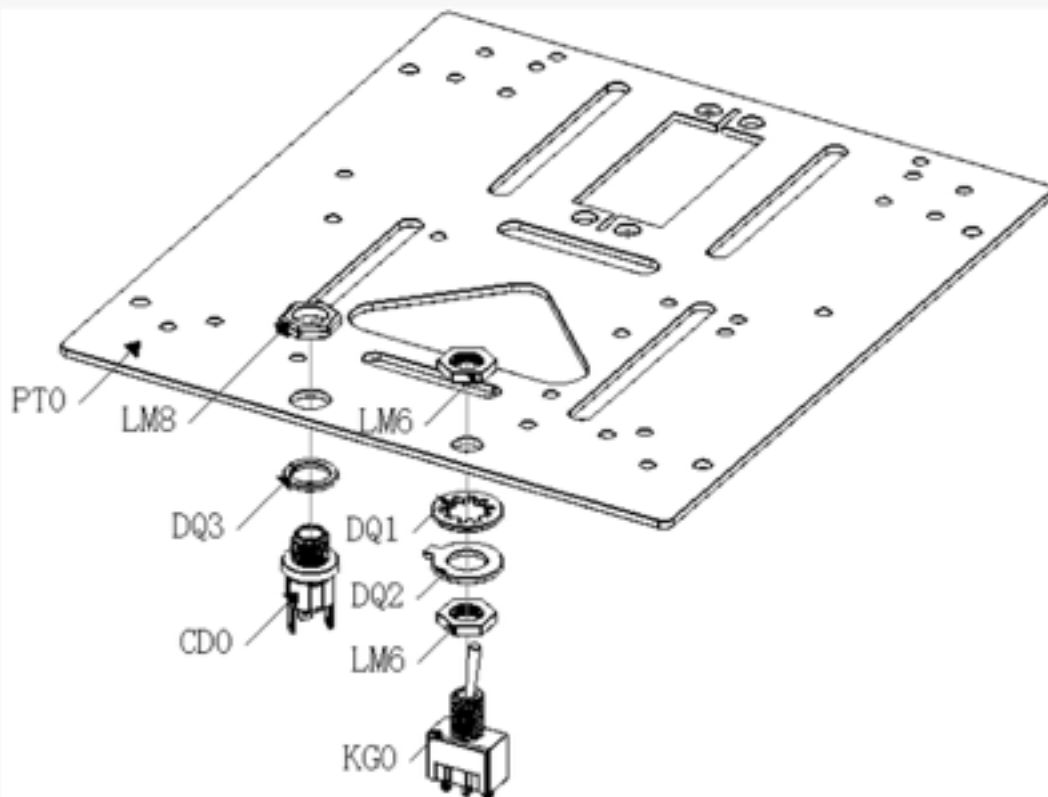
Step 3 end plate installation



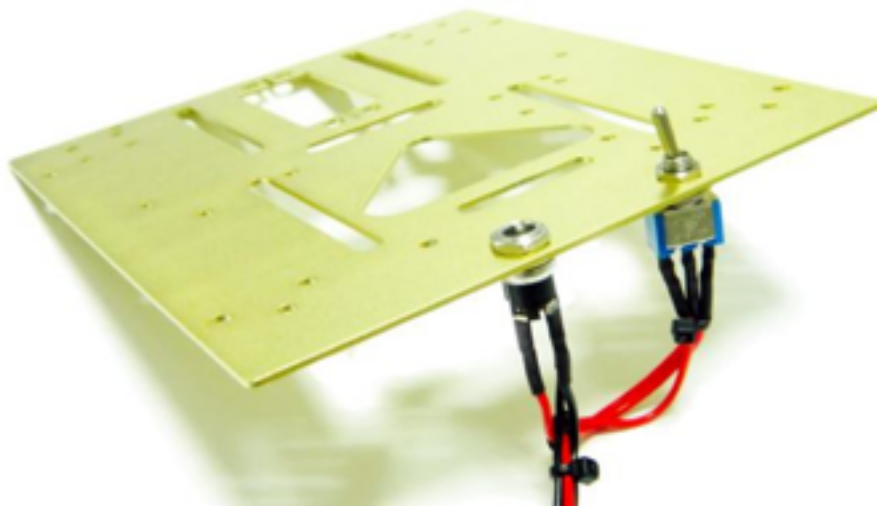
This section after the installation is complete, the reference below, if there is any difference in modified



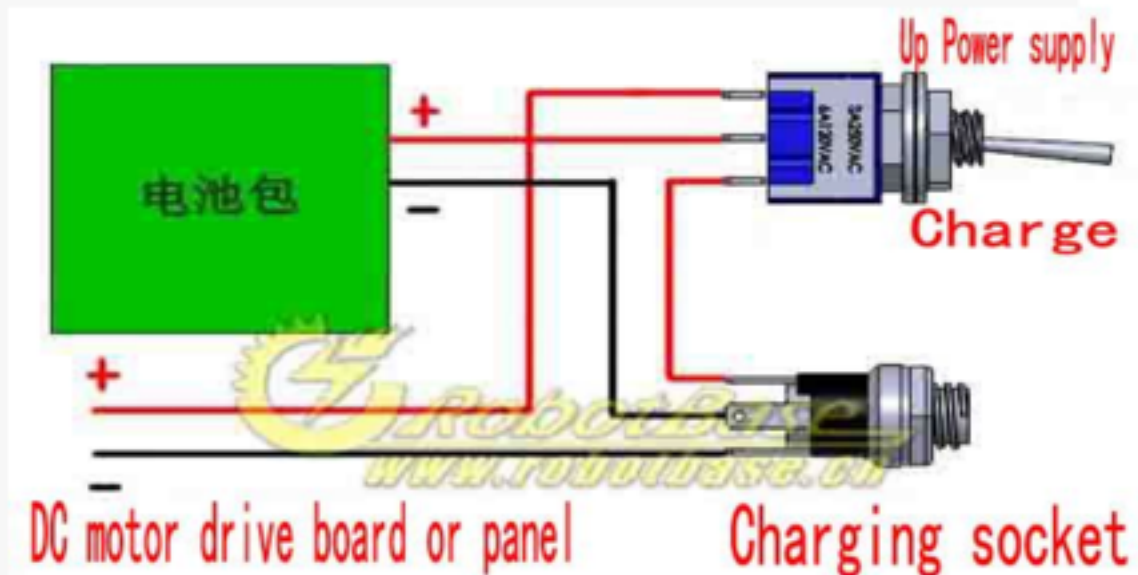
Step 4 with a charging interface switch installation



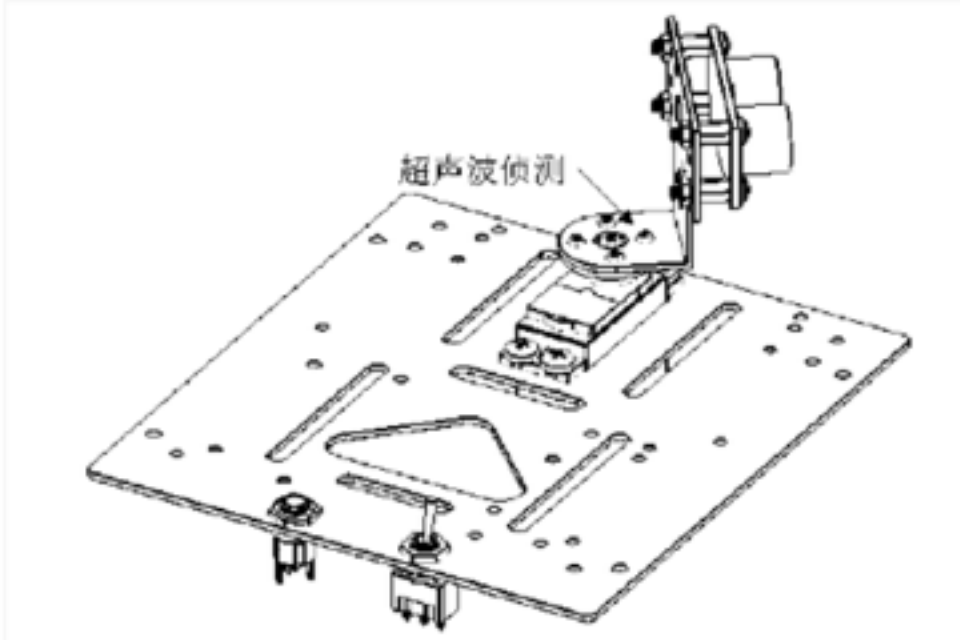
(1) Charging switch kit production



(4) power switch and a charging connection diagram



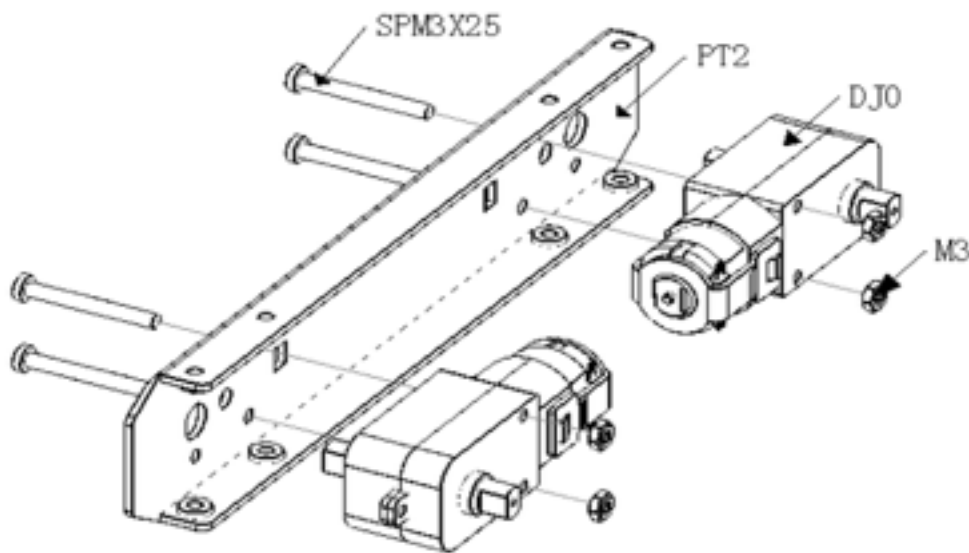
Step 4.4 rotary ultrasonic detection installation
(Extended)



Note: before installing the servo steering gear, through the servo controller, Arduino controller to the median (0 degree position)

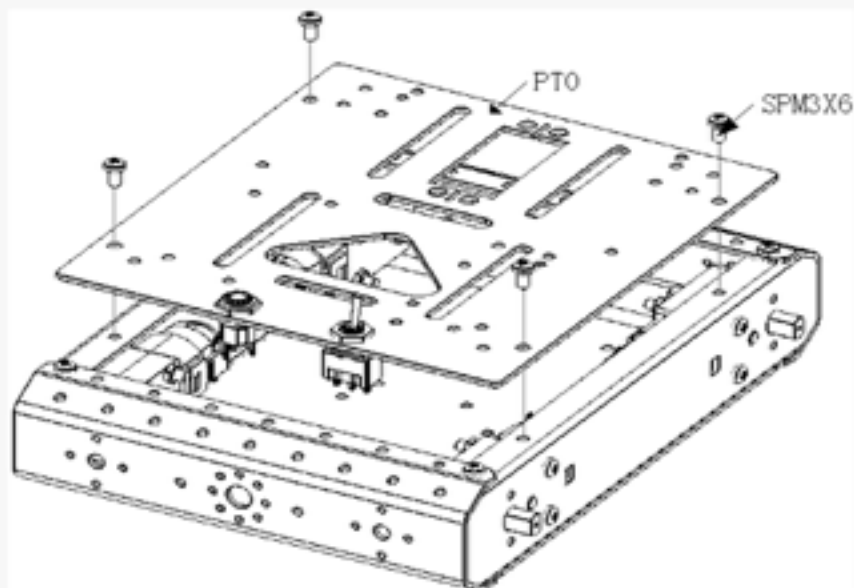
3、 please be careful to use cell polarity.

Step 1: DC motor mounting

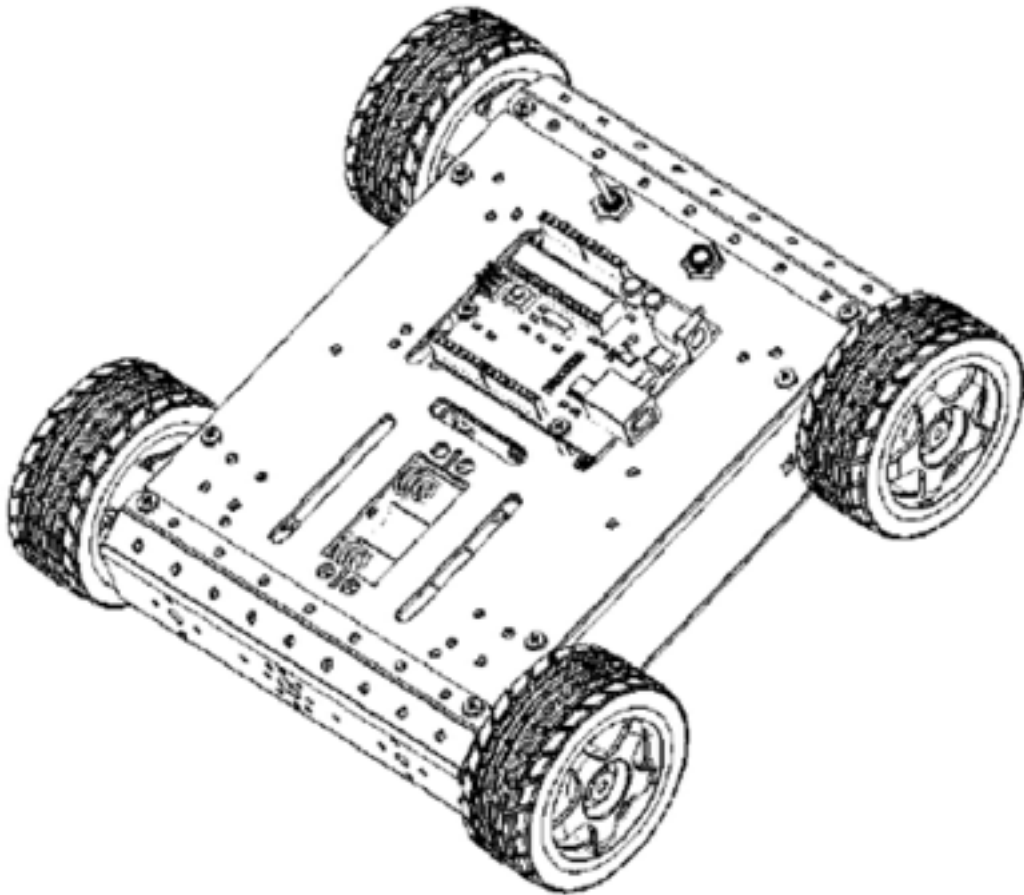


Two sides of the same motor installation, Pay attention to installation before the motor wiring electric soldering iron, a heat-shrinkable tube heating plastic

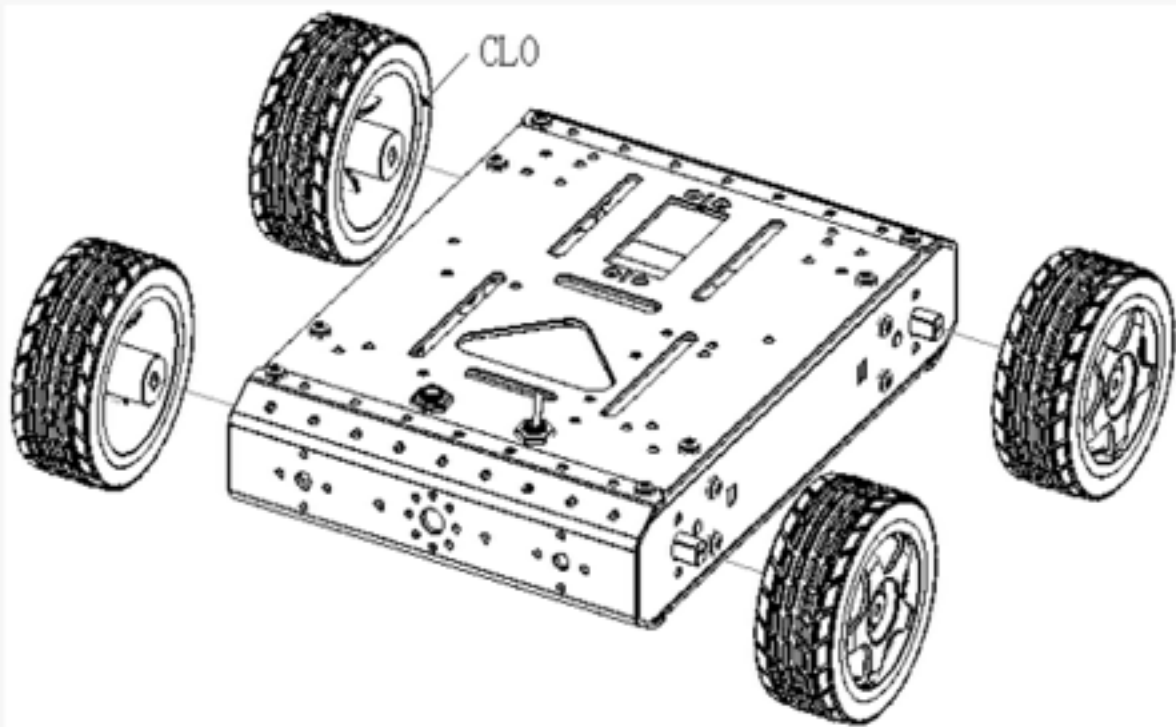
Step 5 on board mounting



Step 7 basic configuration mobile platform installation
completion effect



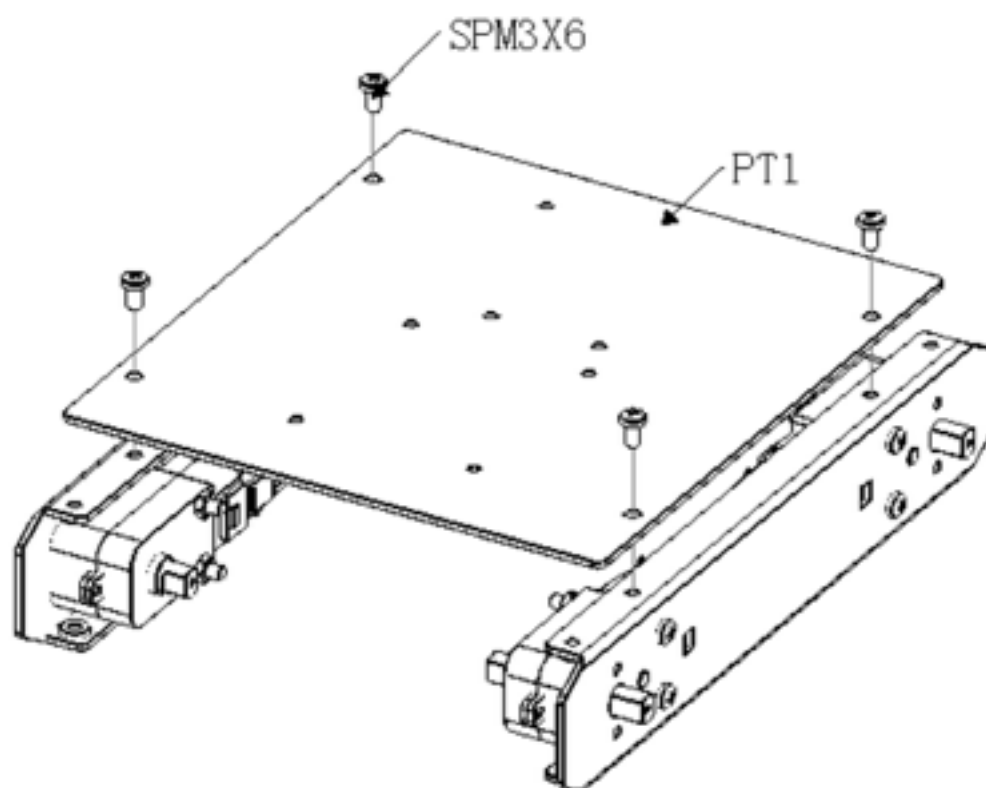
Step 6 wheel mounting



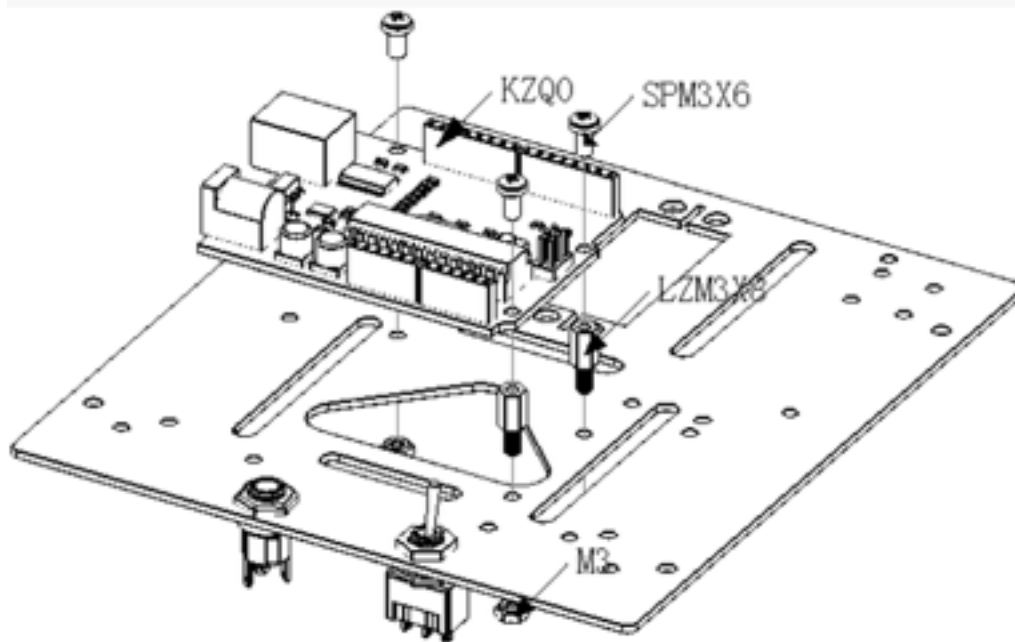
Specifications and parameters:

- 1、 driving motor gearbox ratio: 1:48
- 2 、 driving motor no-load speed: 220rpm
- 3 、 wheel diameter: 65mm
- 4 、 wheel width: 26mm
- 5 、 platform length: 206mm
- 6 、 platform width: 200mm
- 7 、 platform height: 65mm
- 8 、 Platform weight: 620g
- 9 、 chassis ground distance: 13mm

Step 2 Side and the lower plate installation



Step 4.1 controller installation



This platform is provided with a variety of controller mounting hole, install Arduino Mega168/328 controller, Arduino Mega1280/2560, Arduino UNO,

the parts list

Name (number)	Code	Icon	Name (number)	Code	Icon
The platform plate (1)	PT0		Platform plate (1)		
Platform side (2)	PT2		Platform end plate (2)	PT3	
Toggle switch (1)	KG0		Charging interface (1)	CD0	
DC motor (4)	DJ0		Power supply box (1)	DY0	

Wheel (4)	CL0				
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(二) connecting parts list

SN	Name	Code	Icon	Specification and description
1	Cruciform slot screw	SPM3×6		24 个 M3×6
2	Cruciform slot screw	SPM3×25		8 个 M3×25
3	Six corner	LM3		16 个 M3
4	Elastic washer	DQ1		1 for the M6 thread parts
5	Check washer	DQ2		1 for the M6 thread parts
6	Elastic washer	DQ3		1 for the M8 thread parts
7	Six corner	LM6		1 for the M6 thread parts

