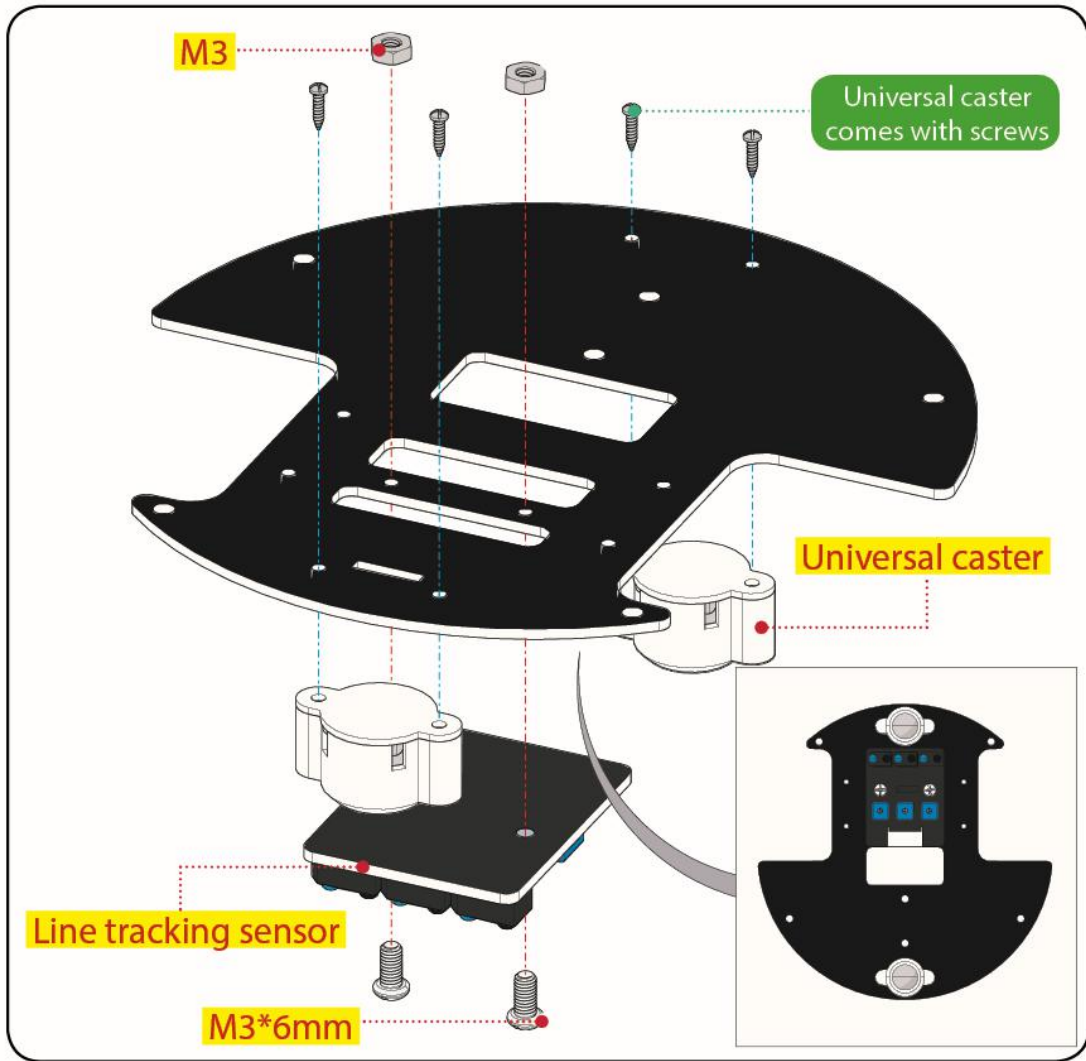


Assembly Guide

Step 1: Mount Bottom Motor Wheels

Prepare the parts as follows:

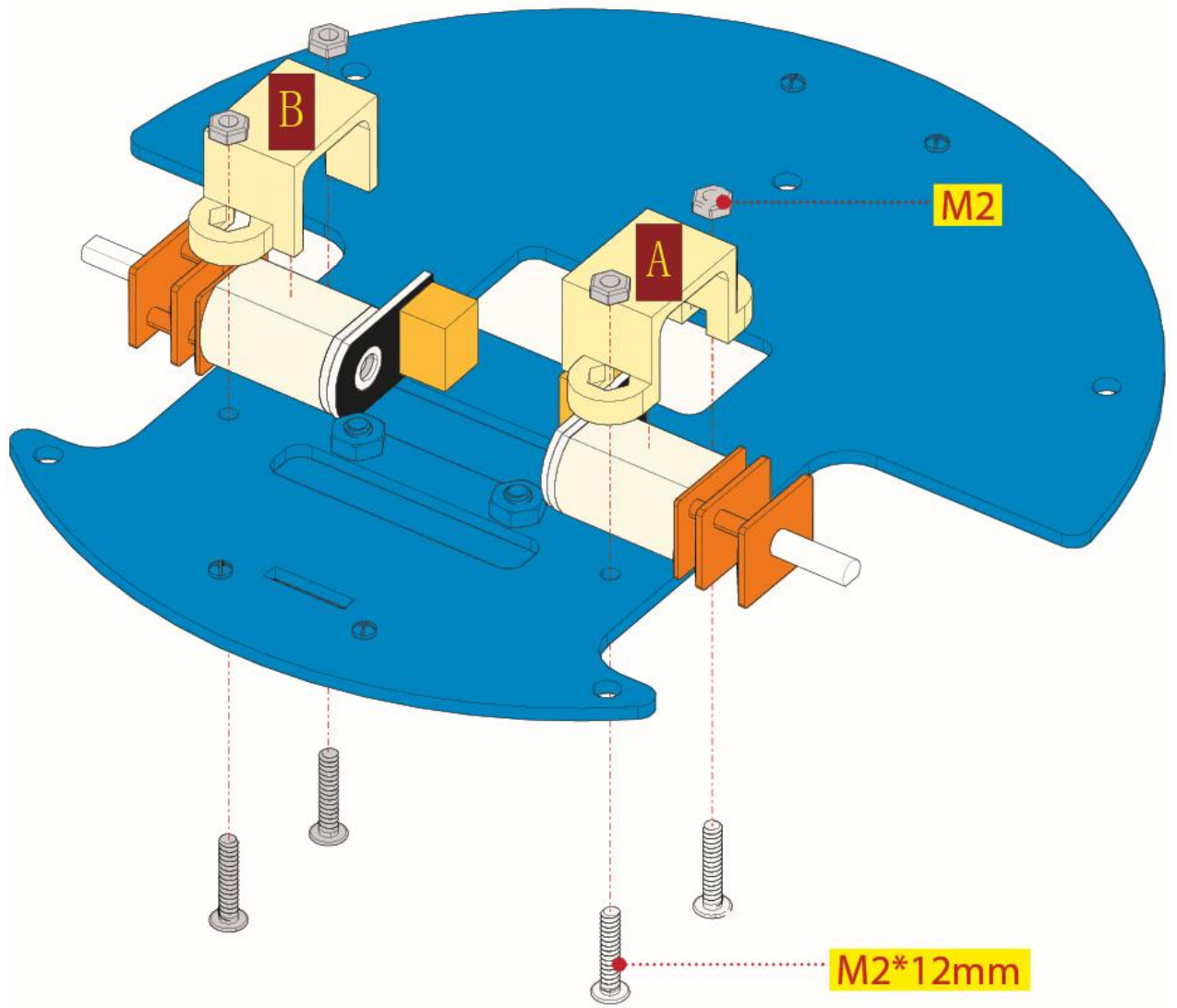
- M3*6MM round-head screw *2
- M3*6MM Flat head screw *2
- Nut M3 nickle plating *2
- Bottom PCB*1
- Tracking sensor *1
- Universal caster *2

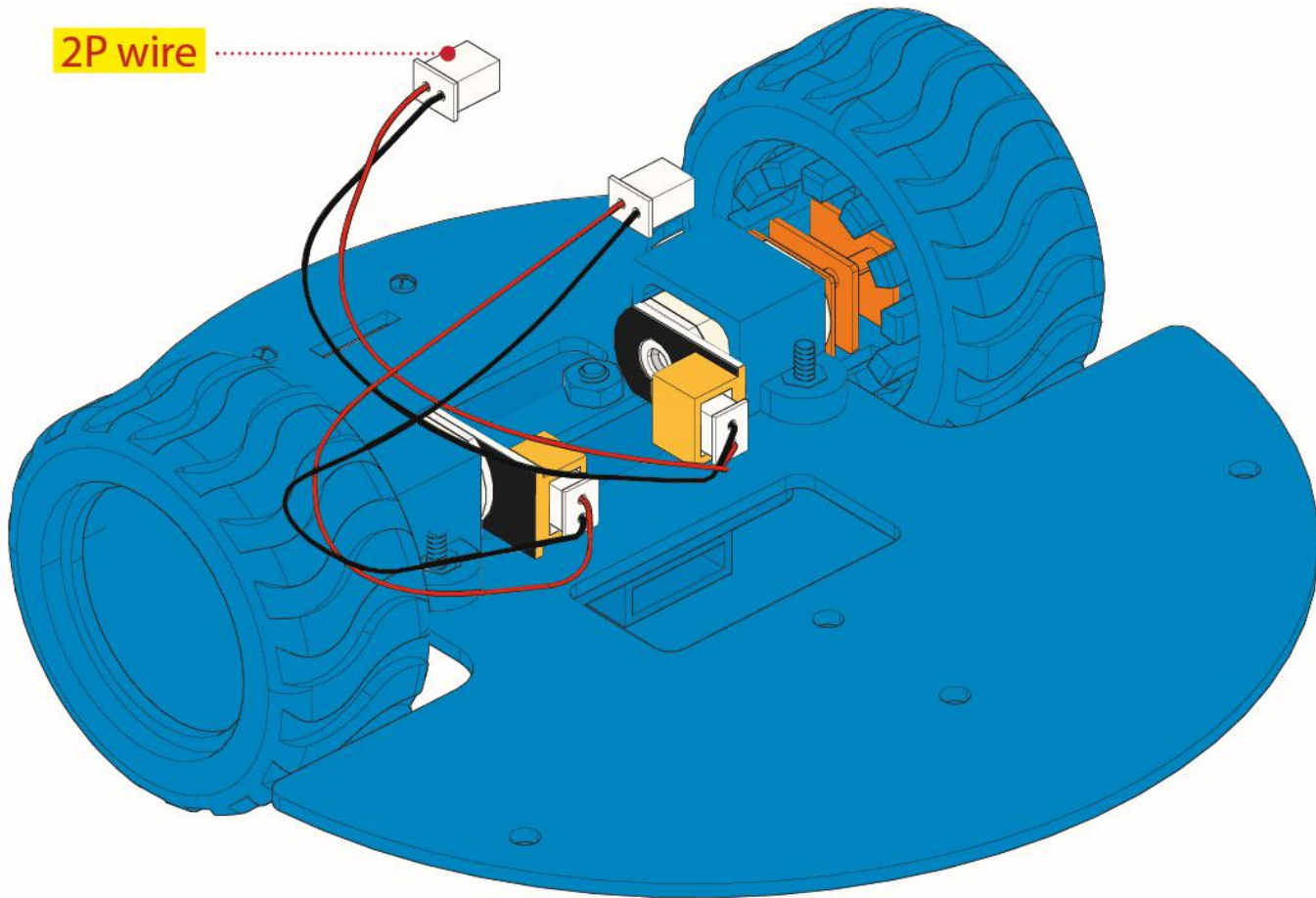
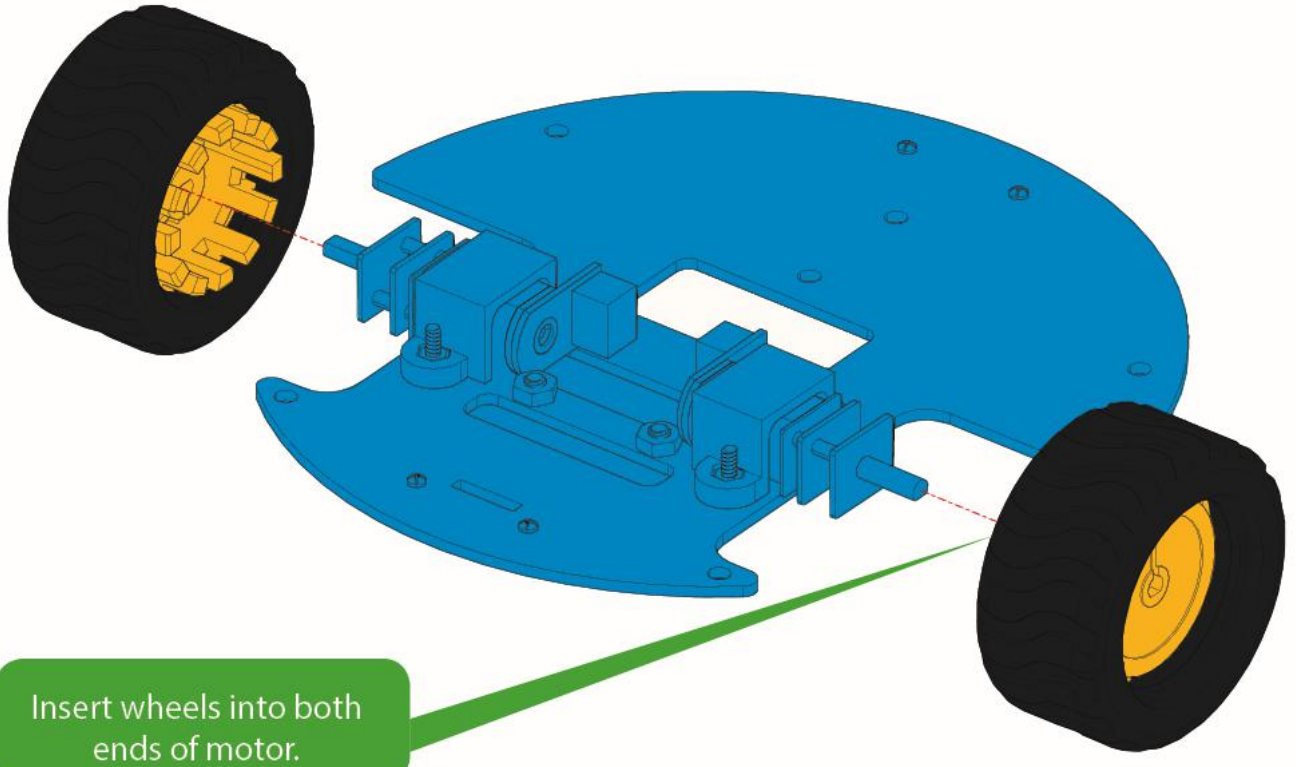


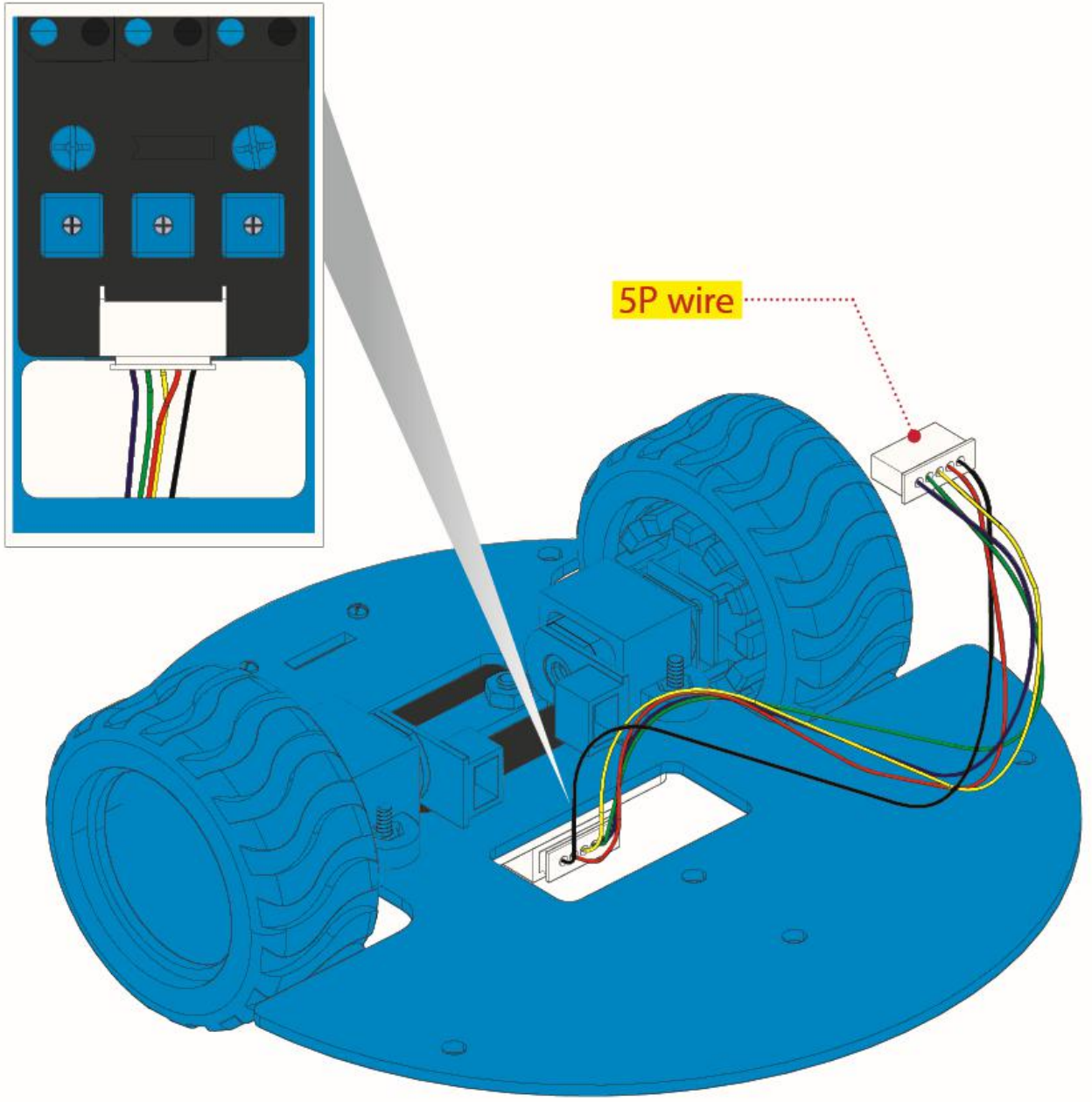
Step 2: Assemble Parts

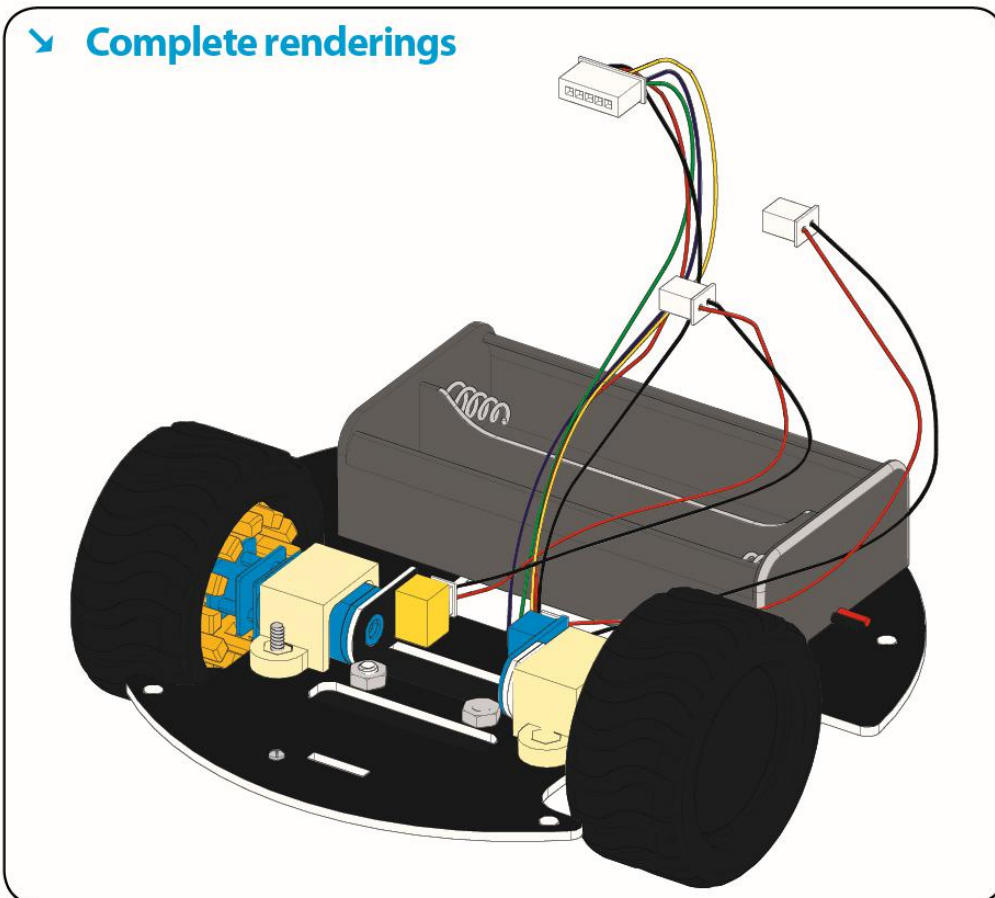
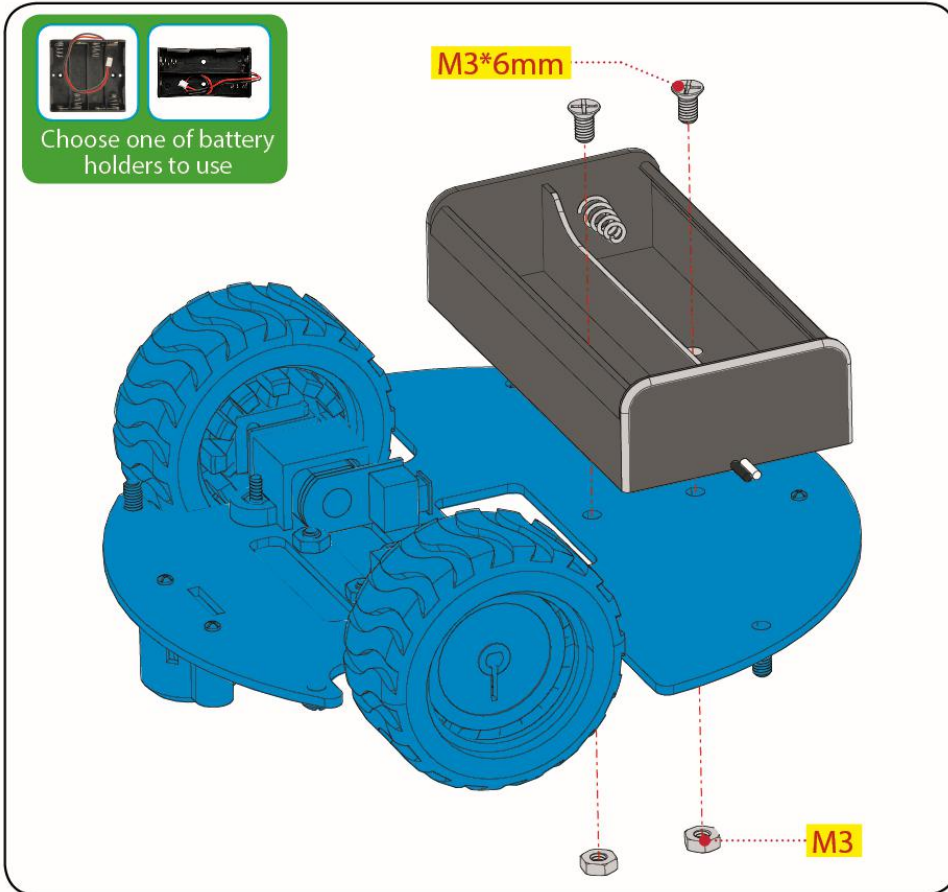
Prepare the parts as follows:

- M3*6MM round-head screw *2
- M2 Nut *4
- 12FN20 motor *2
- U-type holder* 2
- N20 motor wheel *2
- 2P wire *2
- 5P wire *1
- M2*12MM round-head screw *4
- 2-cell AA battery holder *1
- M3*6M flat head screw *2
- M3 nut *2





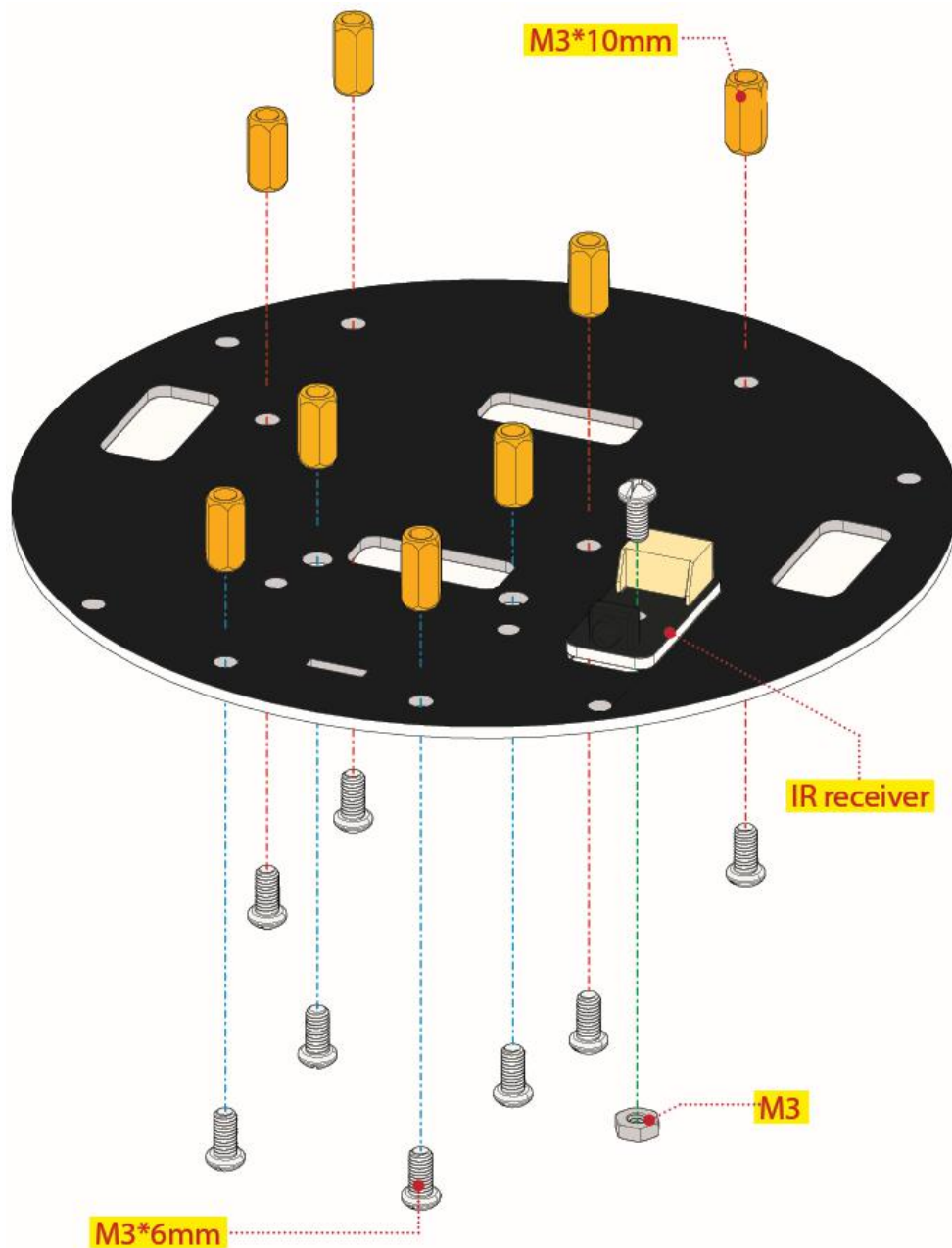




Step 3: Install Top PCB

Prepare the parts as follows:

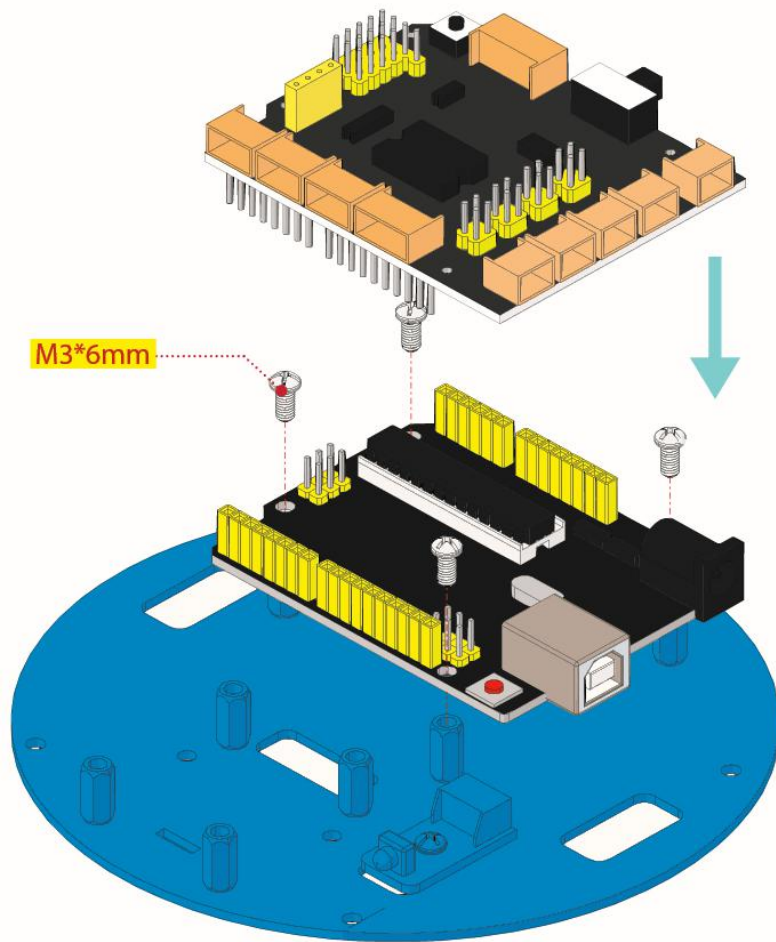
- Top PCB *1
- M3 Nut *1
- M3*6MM round-head screw *9
- M3*10MM dual-pass copper pillar *8
- IR receiver sensor *1



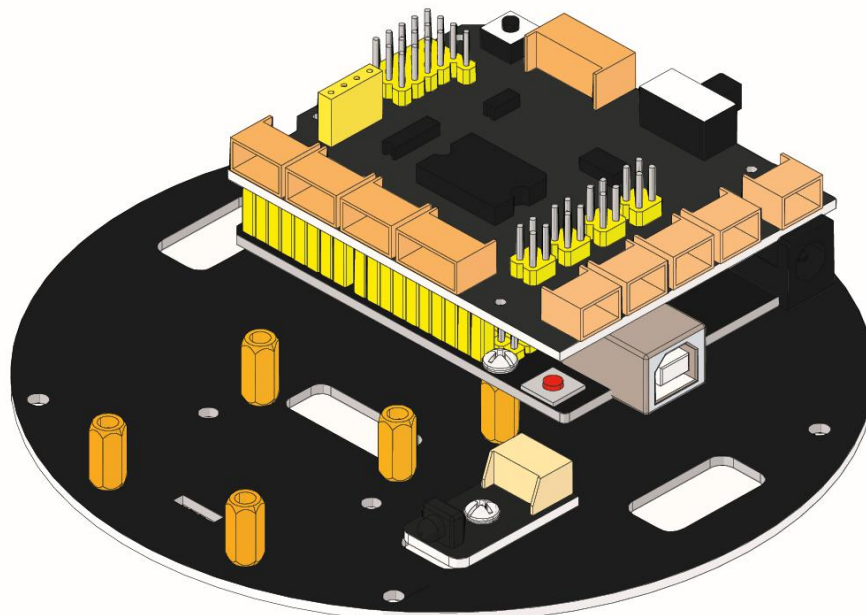
Step 4: Mount Control Board

Prepare the parts as follows:

- V4.0 board*1
- Motor drive shield V2*1
- M3*6MM round-head screw *4



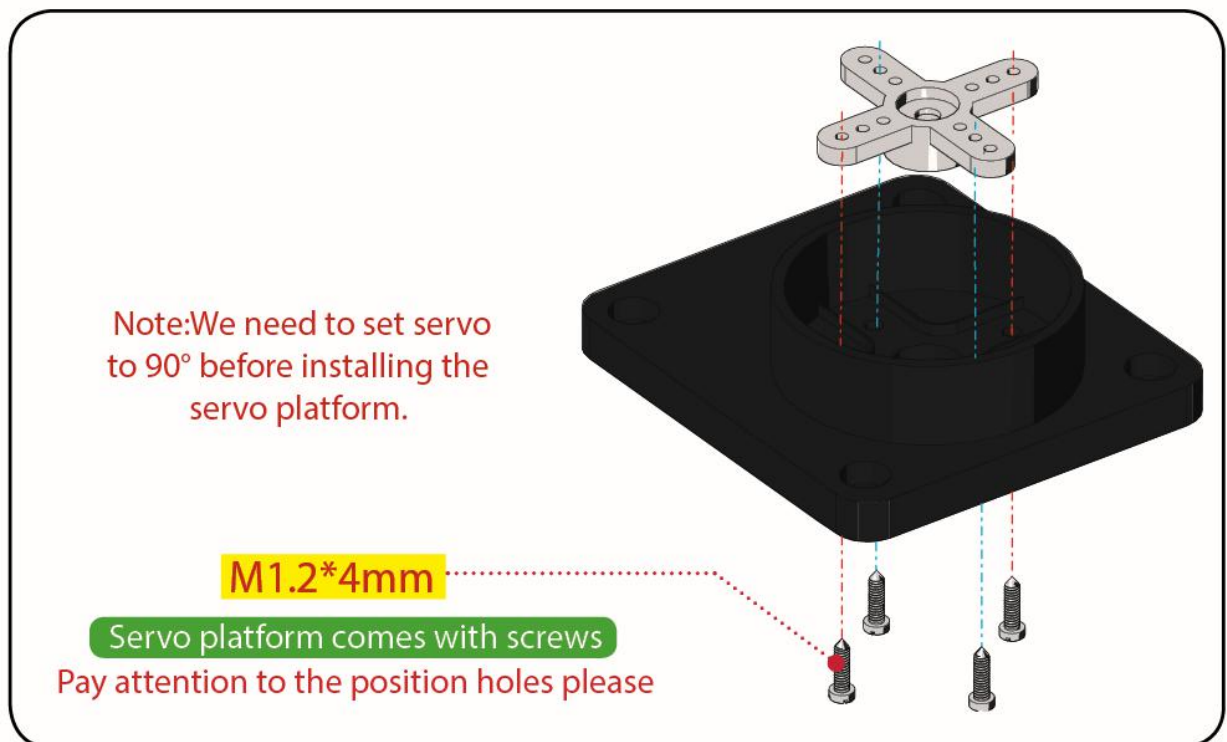
➤ Complete renderings

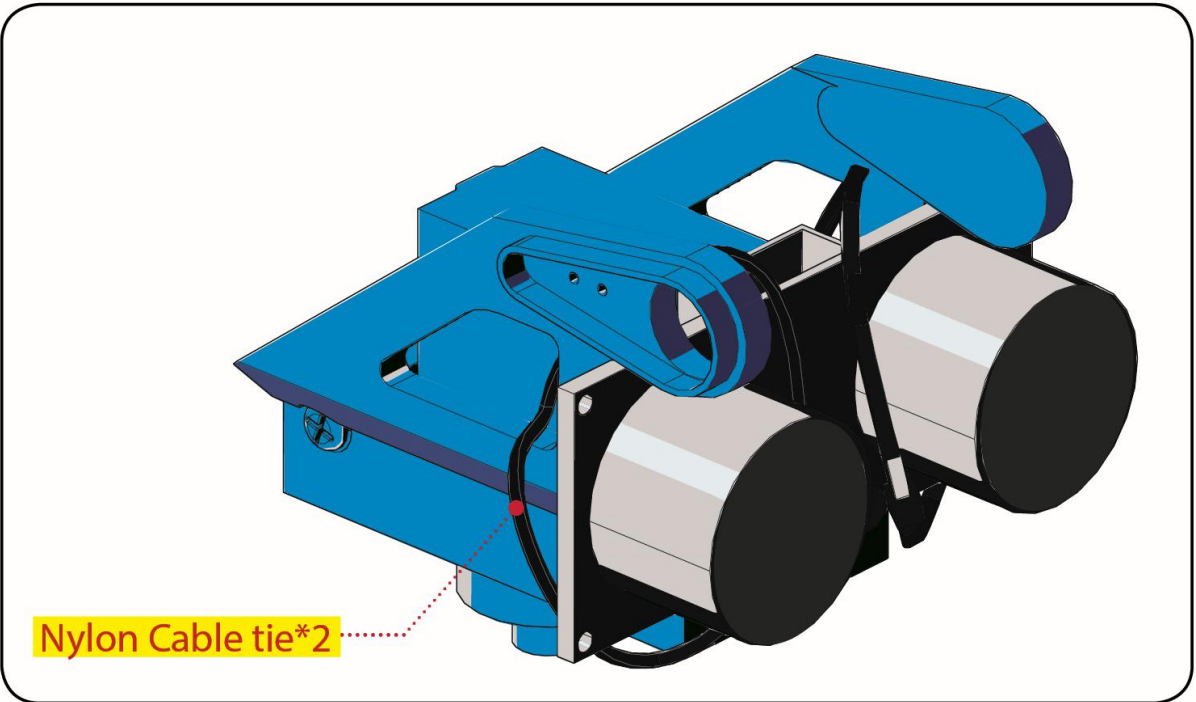
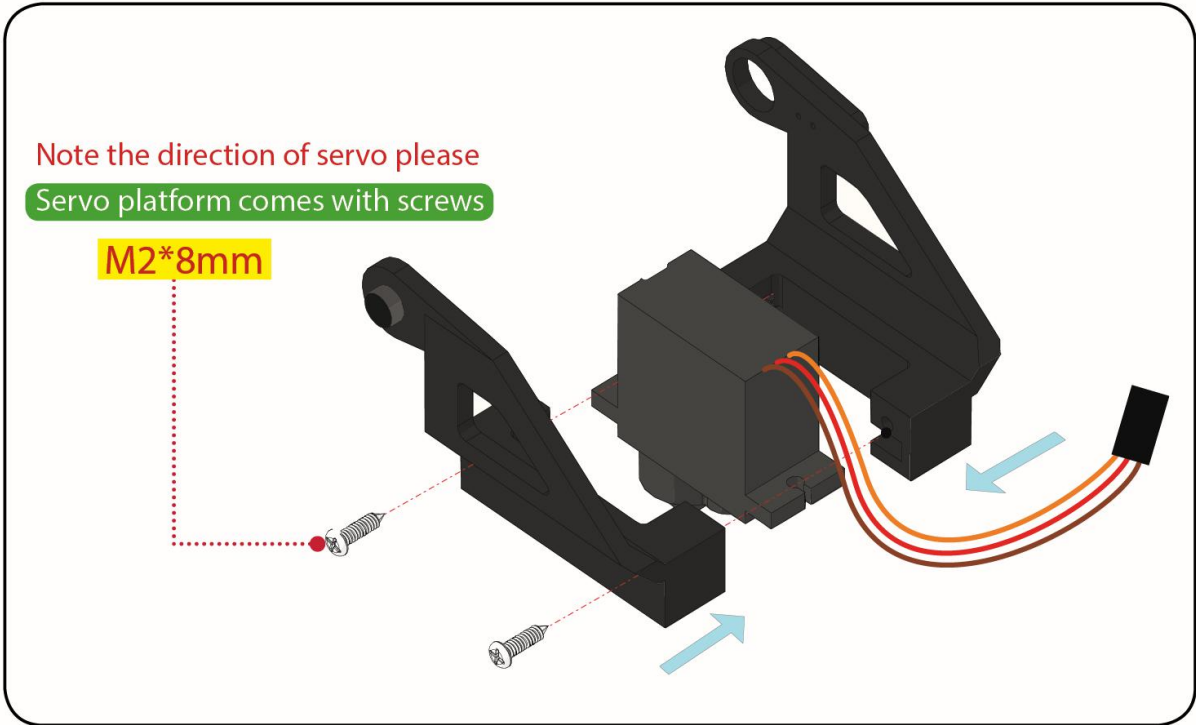


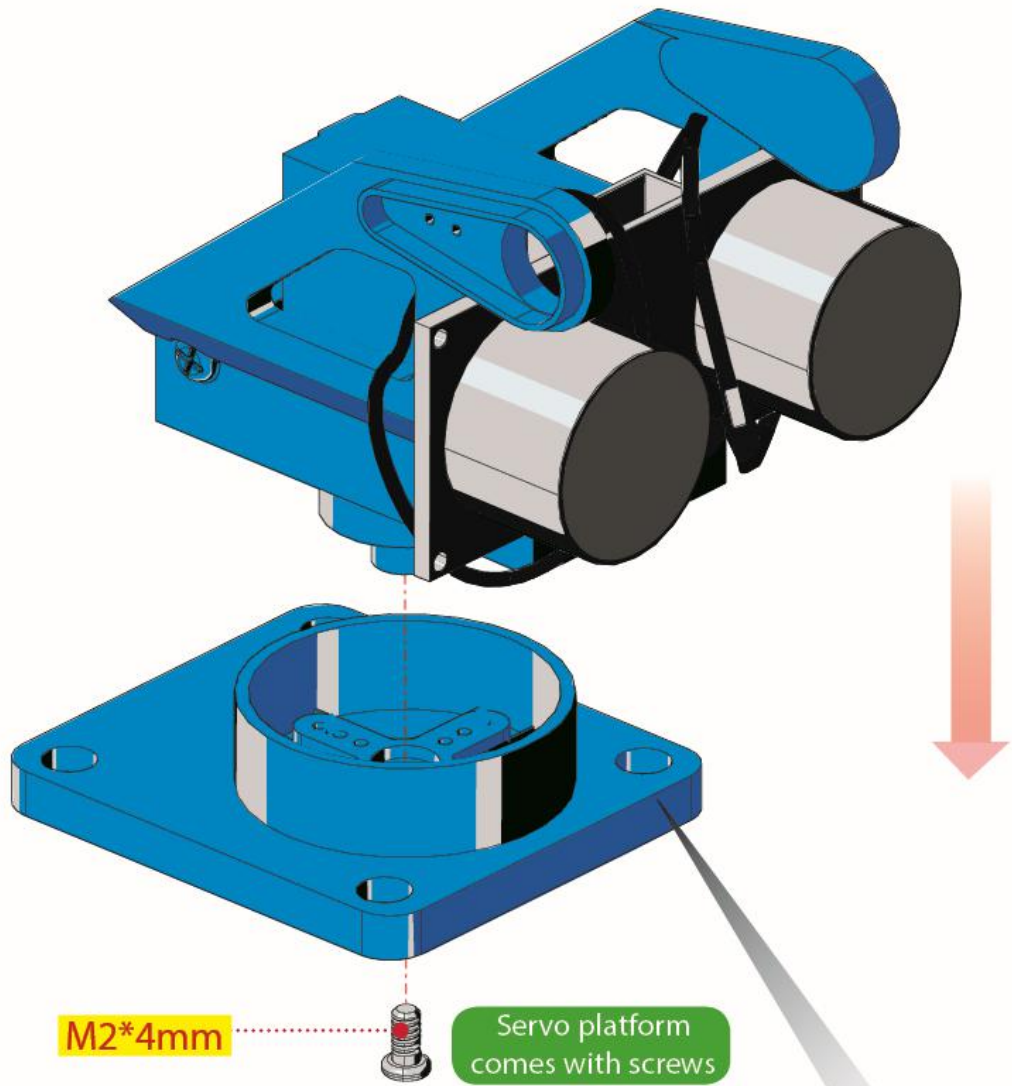
Step 5: Servo Plastic Platform

Prepare the parts as follows:

- Servo *1
- M2*4 screw *1
- Black cable tie*2
- Ultrasonic sensor*1
- Black plastic platform *1
- M1.2*4 tapping screw *4
- M2*8 tapping screw *2

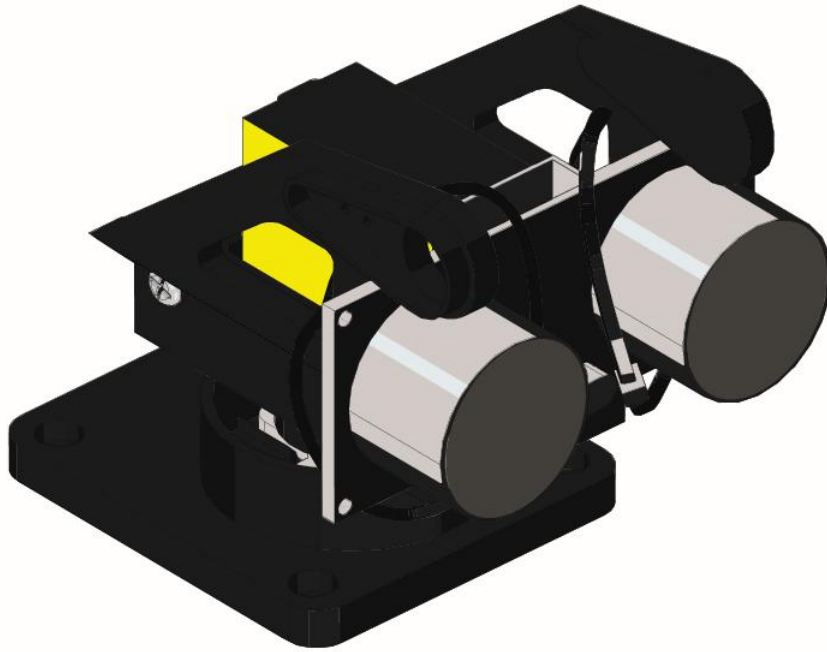






Note: The direction of base should be complied with the diagram, For convenient debugging, make sure that the ultrasonic module is in front of tank robot

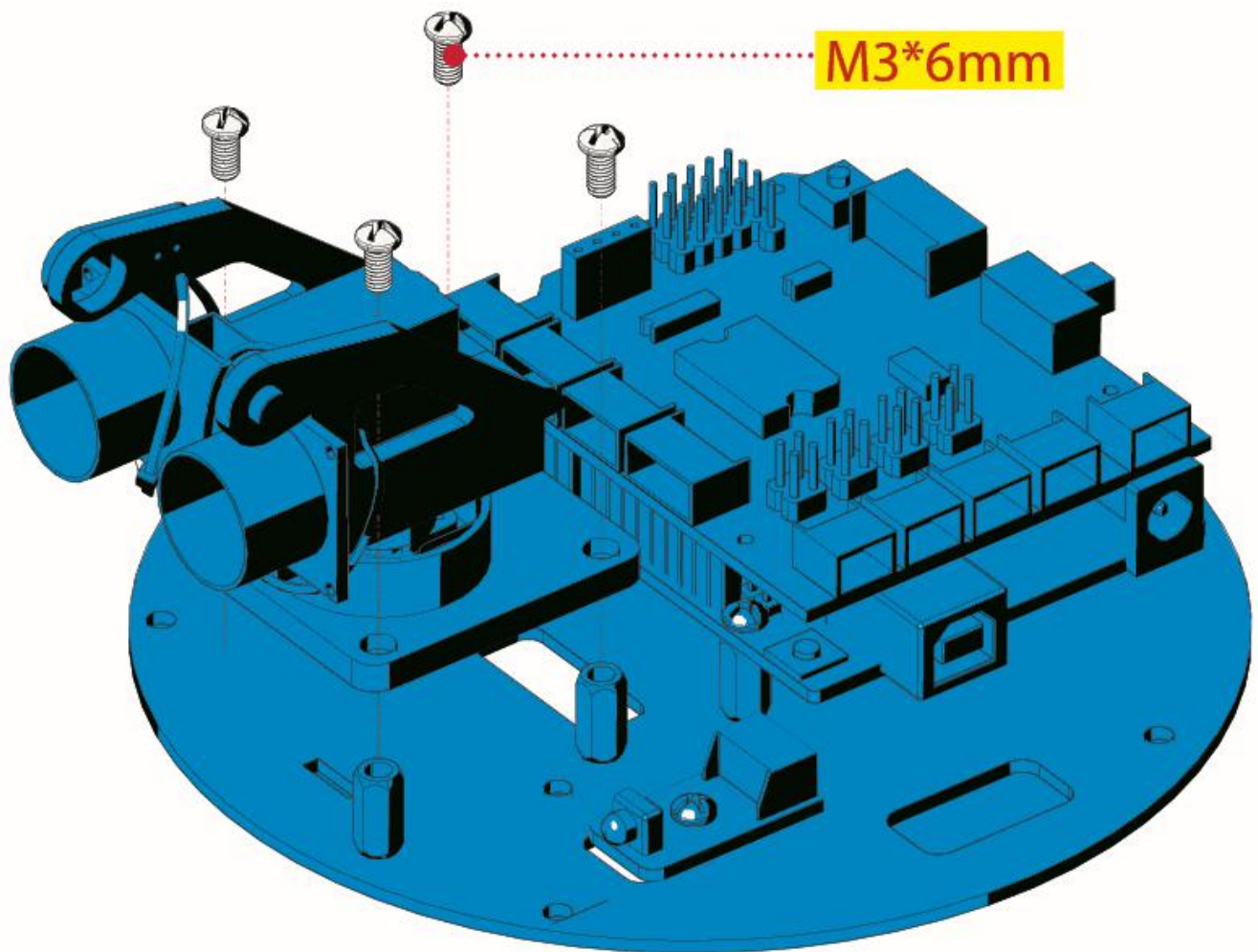
➤ Complete renderings

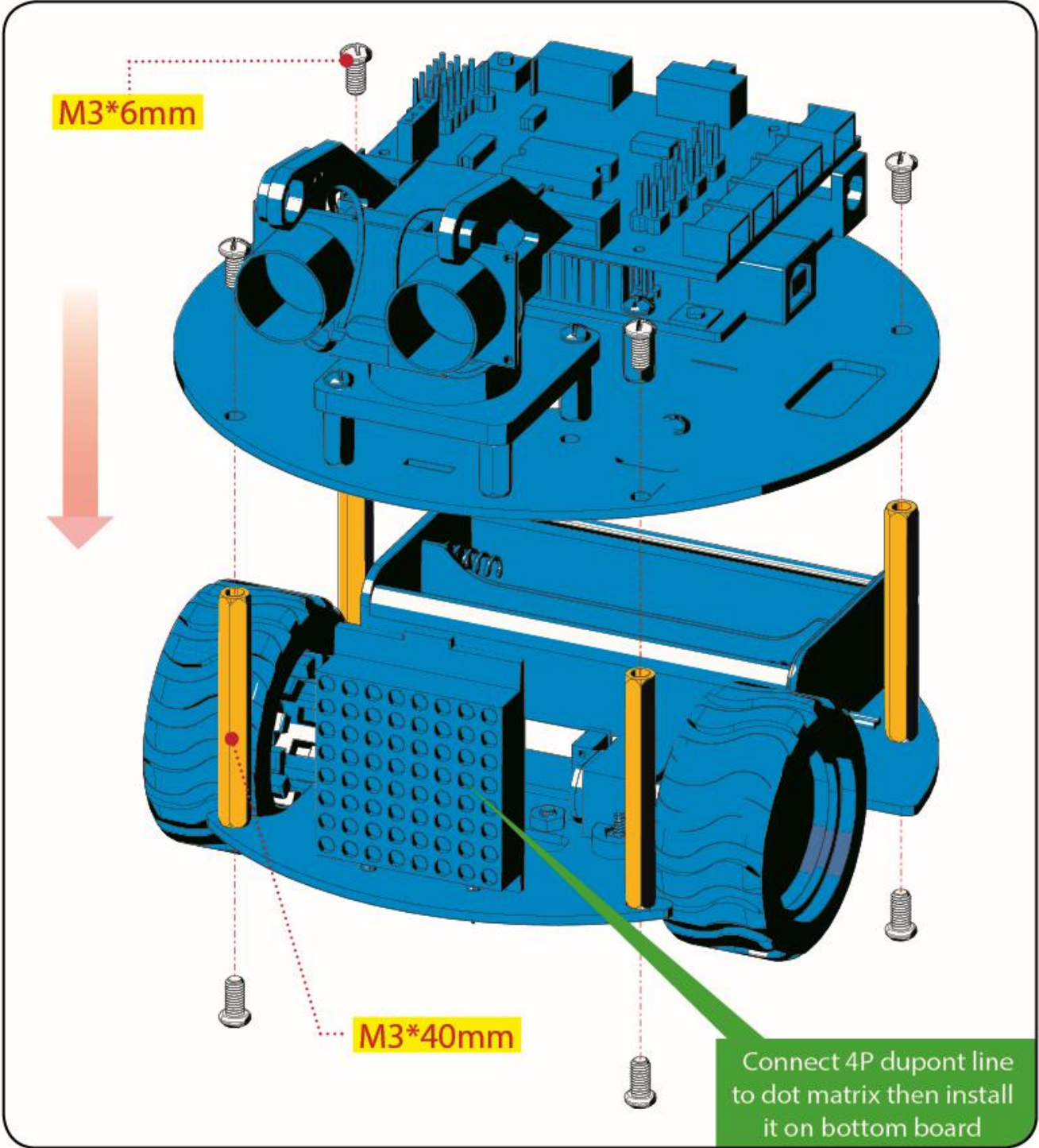


Step 6: Final Assembly

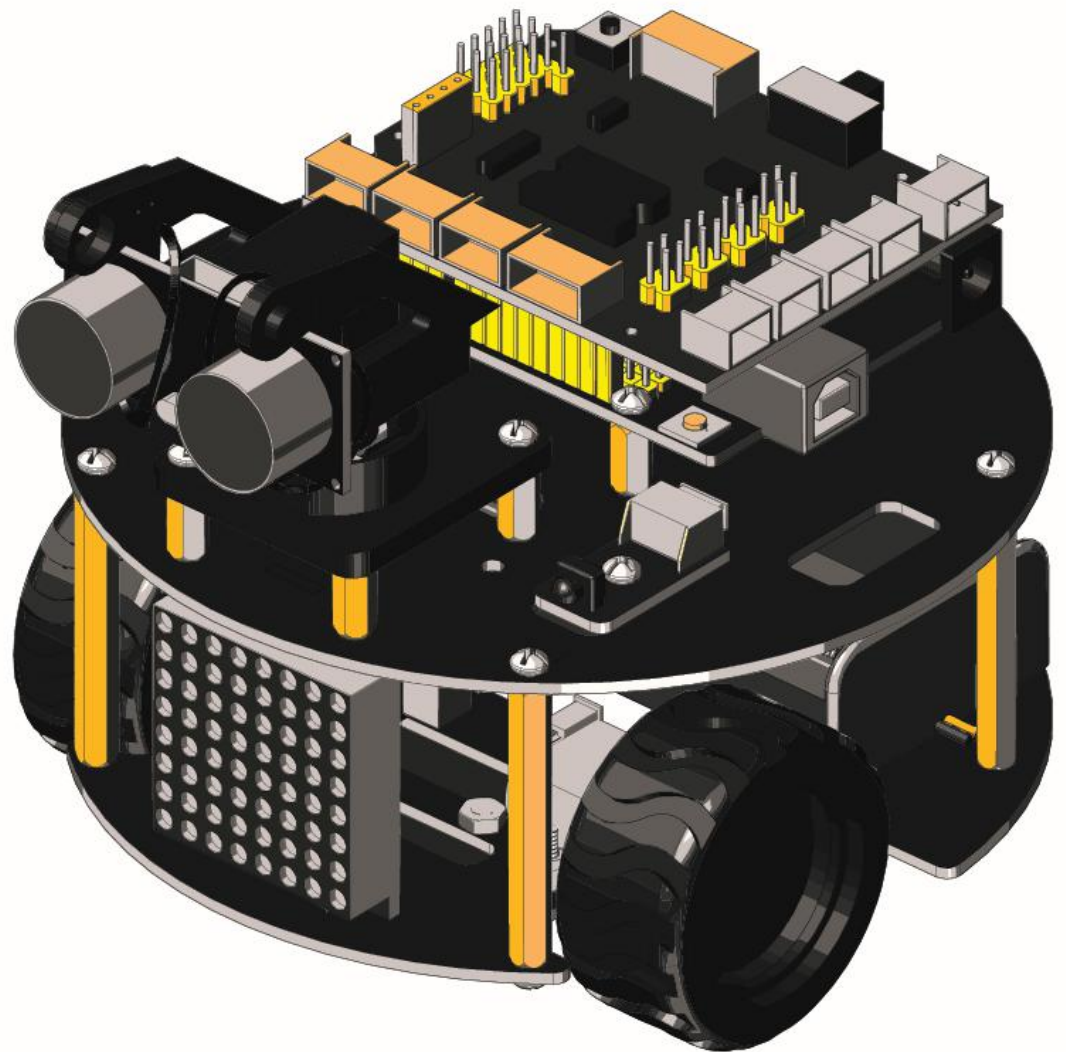
Prepare the parts as follows:

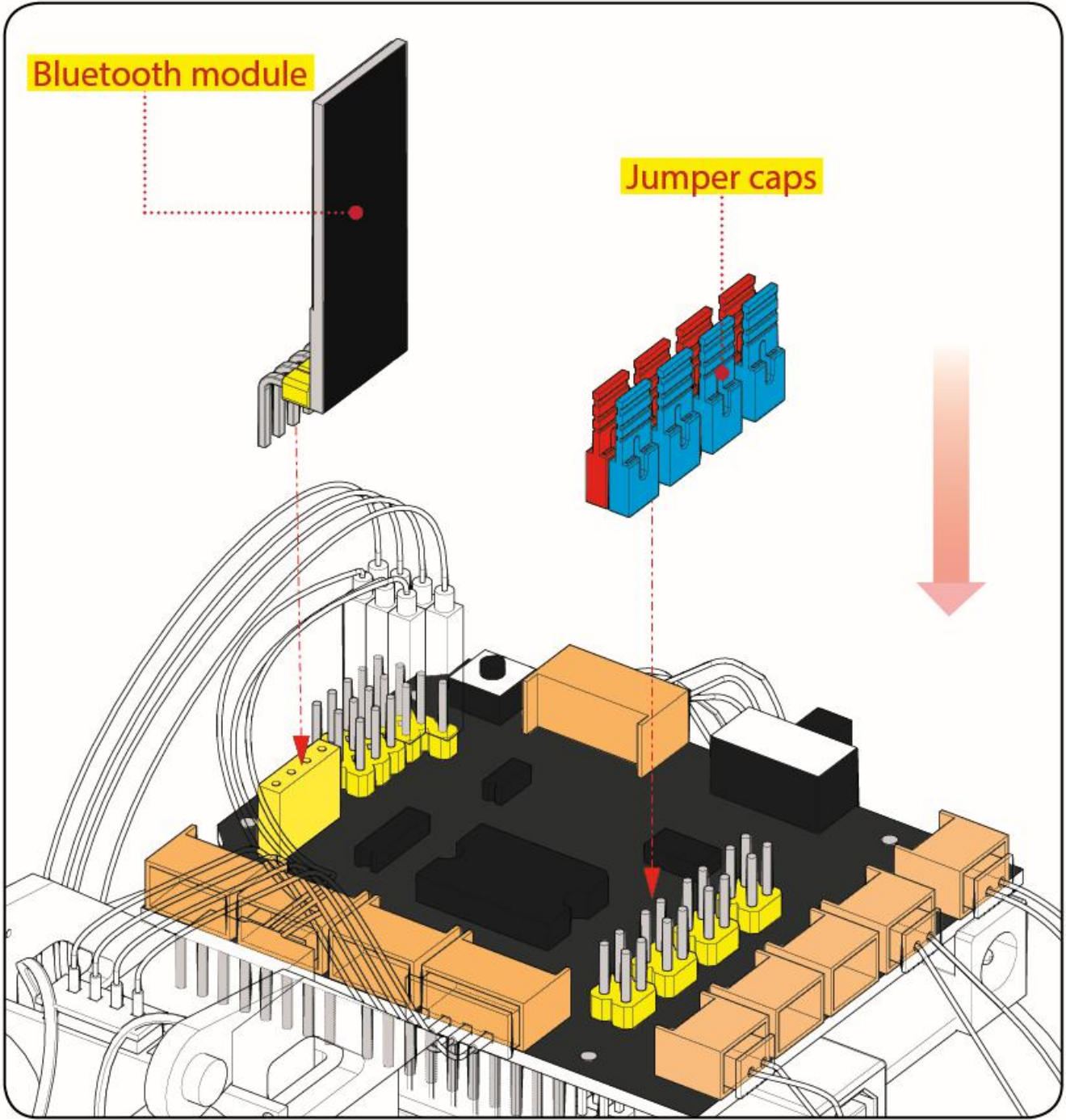
- M3*6MM round-head screw *12
- M3*40MM copper pillar *4
- 8x8 Dot Matrix *1
- Jumper wire *4



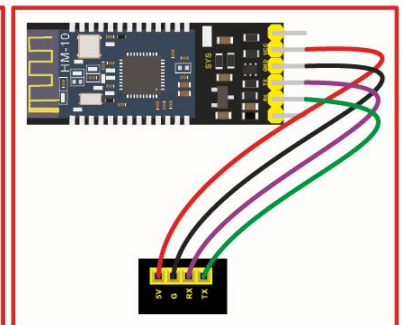
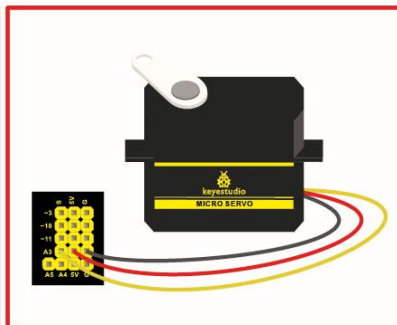
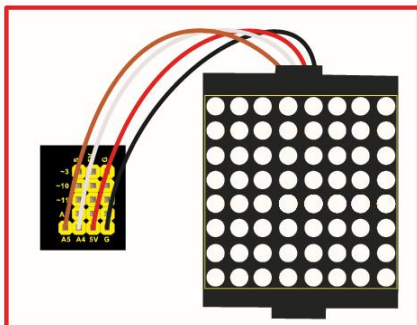
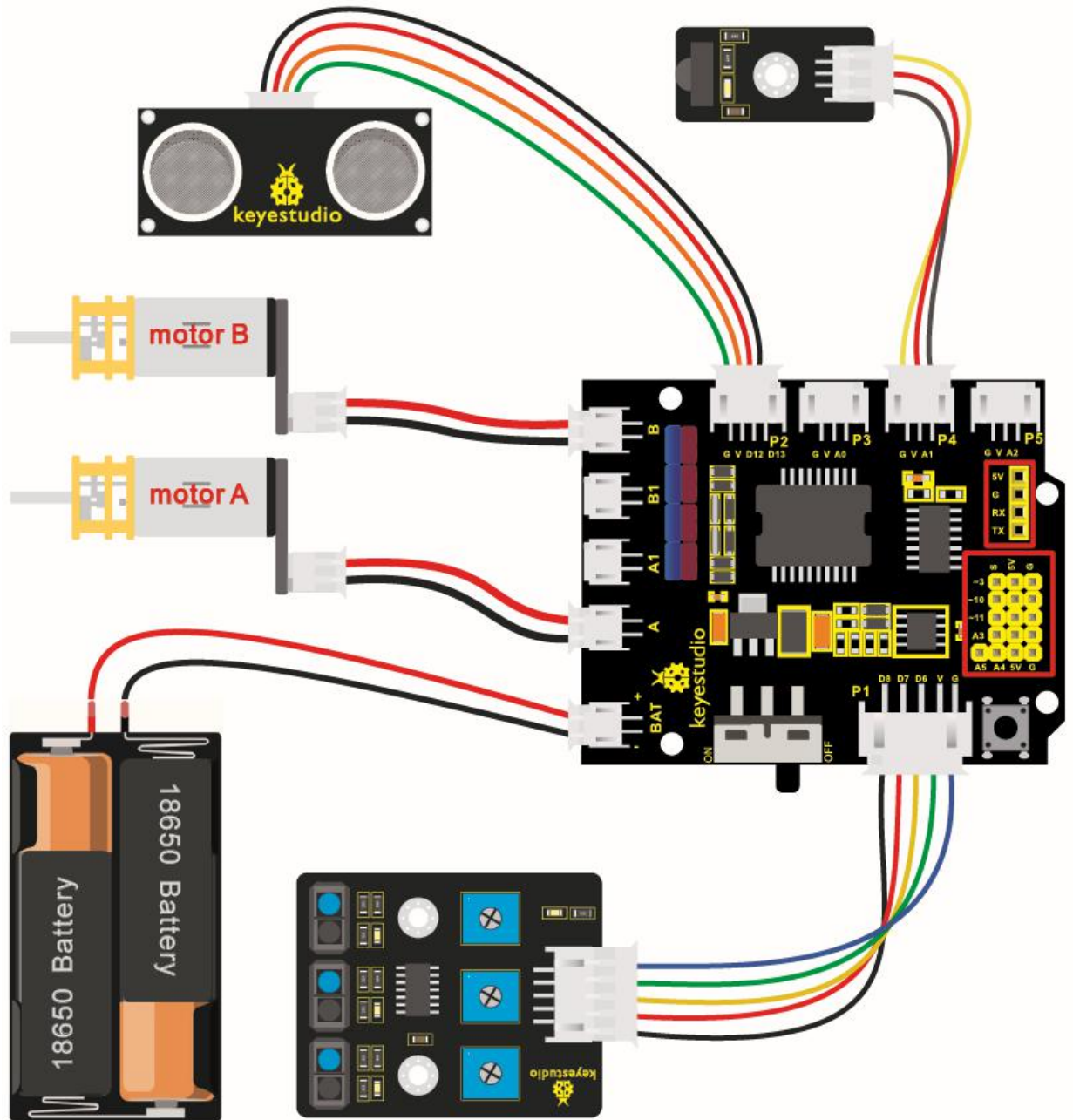


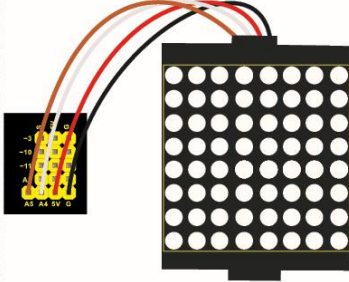
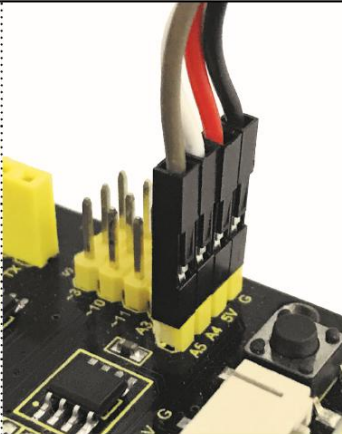
➤ Complete renderings

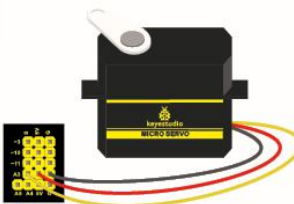
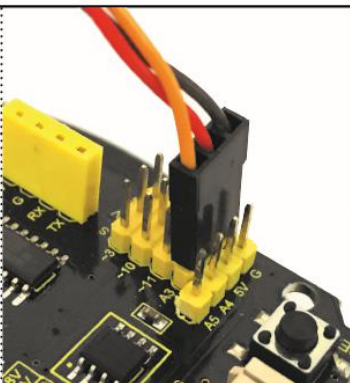


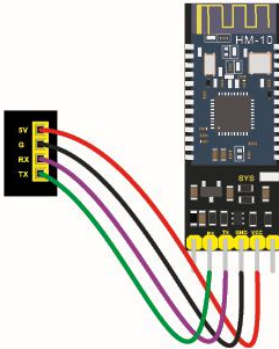
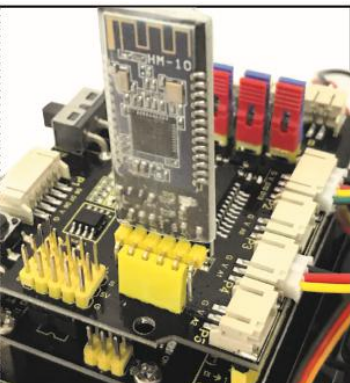


Step 7: Hook-up Guide



Dot Matrix	L298P Shield		
SCL	A5		
SDA	A4		
5V	5V		
G	G		

Servo	L298P Shield		
Brown wire	G		
Red wire	5V		
Orange wire	A3		

Bluetooth	L298P Shield		
RXD	TX		
TXD	RX		
GND	G		
VCC	5V		

➤ Final renderings

