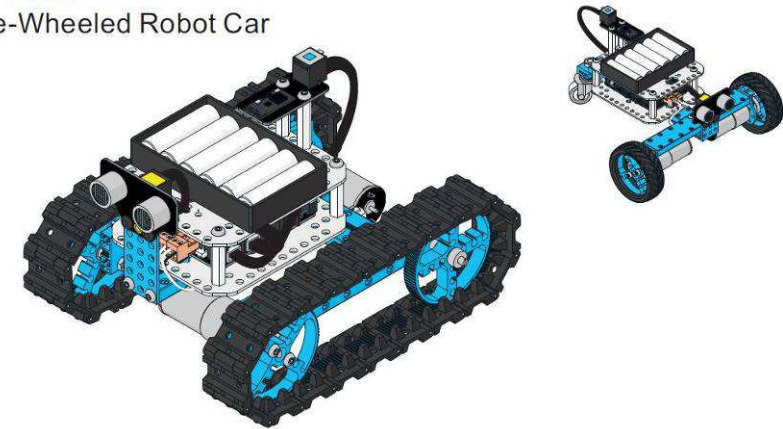**Makeblock**
Construct Your Dreams

Starter Robot Kit Bluetooth Version

Robot Tank
Three-Wheeled Robot Car

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

·Reorient or relocate the receiving antenna.
·Increase the separation between the equipment and receiver.
·Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
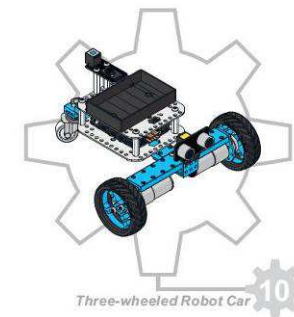·Consult the dealer or an experienced radio/TV technician for help.

If you cannot eliminate the interference, the FCC requires that you stop using your product. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

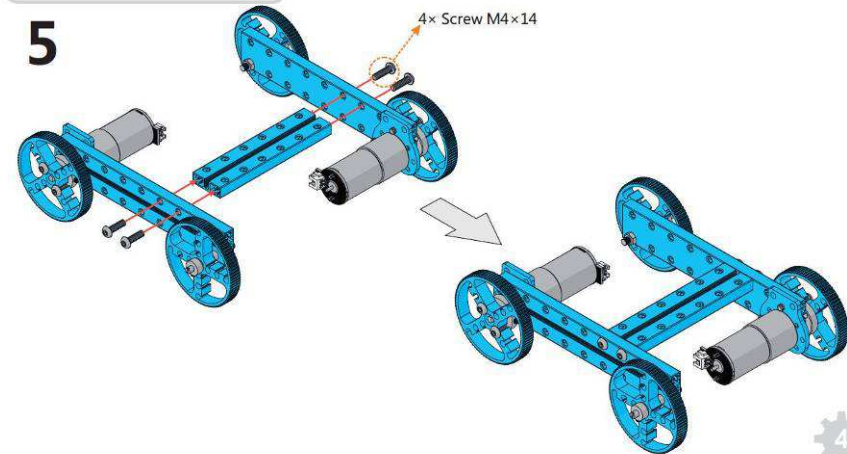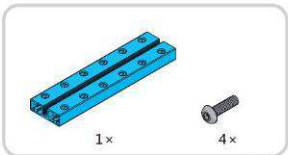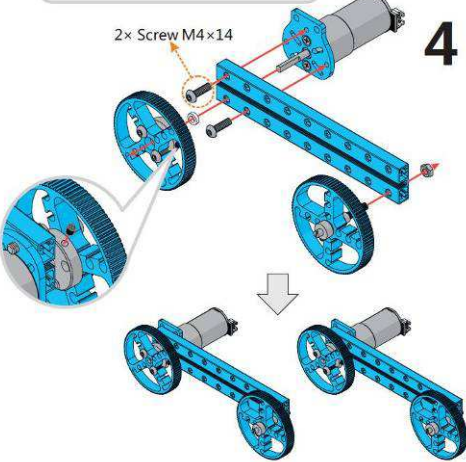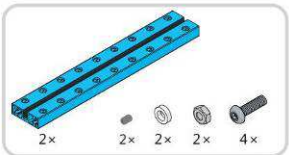| Product	Makeblock Starter Robot Kit (Bluetooth Version)
Model	90020 and 90021
Responsible Party	Company Name:MAKER WORKS TECHNOLOGY INC Address:385 S. LEMON AVE., #E276 WALNUT, CA 91789,USA
Phone	323-908-8554

FC

Parts List Pictures for reference only

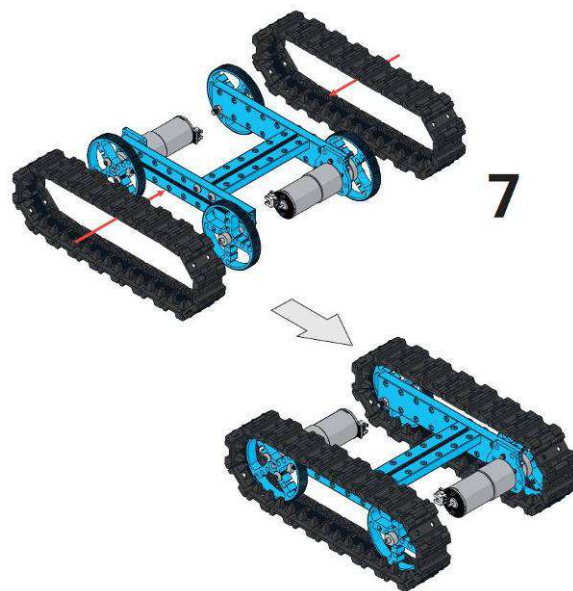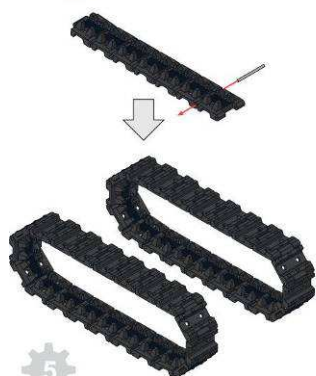|			
1× Beam 0824-96	2× Shaft Collar 4mm	6× Nylon Stud M4×30	
1× Beam 0824-128	4× Flange Bearing 4×8×3mm	12× Plastic Rivet R4060	
2× Beam 0824-144	2× BaseBracket	6× Plastic Rivet R4120	
1× Bracket 3×3	1× Battery Holder for (6) AA	30× Plastic Ring 4×7×2mm	
1× Plate 3×6	1× Hex Screwdriver	2× DC Motor-25	
1× Bracket P3	1× Cross Screwdriver	1× Makeblock Orion	
1× Caster Wheel	2× Hex Allen Key	1× Me Ultrasonic Sensor	
2× DC Motor-25 Bracket	1× Wrench	1× Me Bluetooth Module	
2× Shaft Connector 4mm	22× Screw M4×8	1× Micro USB cable	
4× Timing Pulley 90T	12× Screw M4×14	1× 6P6C RJ25 Cable-20cm	
2× Tire 68.5×22mm	3× Nut M4	1× 6P6C RJ25 Cable-35cm	
38× Track	1× Nut M8		
38× Track Axle	8× Headless Set Screw M3×5		
2× Threaded Shaft 4×39mm	8× Screw M3×8		

Robot Tank 1

Three-wheeled Robot Car 10

Building the Robot Tank

1

2× Screw M4×14

2

3

2× Screw M3×8

4

2× Screw M4×14

5

4× Screw M4×14

6

38 ×   38 ×

7

8

1 ×   1 ×   1 ×   4 ×

4× Plastic Rivet R4120

9

1 ×   1 ×   1 ×   6 ×   2 ×   12 ×

4× Screw M4×8

2× Plastic Rivet R4060

10

8× Screw M4×8

11

1 ×   1 ×   2 ×   2 ×   2 ×

2× Screw M4×14

Threaded slot

DC Motor-25(Left)

2× Screw M4×8

2× Plastic Rivet R4060

DC Motor-25(Right)

5

6

7

8

Wiring and Programming

To reduce the electromagnetic interference, pls consider to add the magnetic ring to the wire which connnected to motors.

Battery Holder

Me Bluetooth

Makeblock Orion

DC Motor-25(Right)

DC Motor-25(Left)

Me Ultrasonic Sensor

Download the bluetooth control App by scanning the QR code
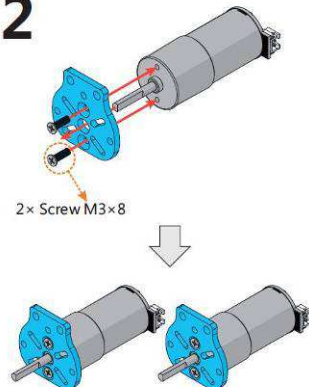
http://app.makeblock.cc/

You may need to switch the order of two wires to correct the rotation direction.
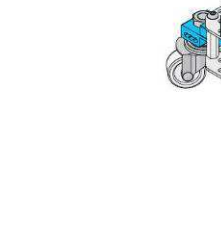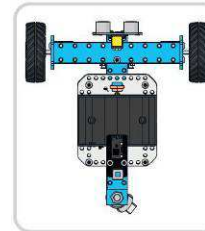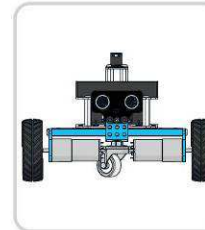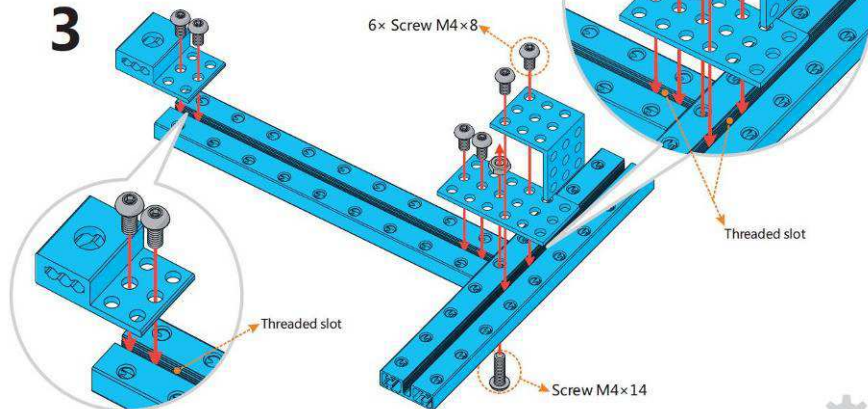
9

2×   2×   4×   2×   2×   4×

1

2× Screw M4×14

2

2× Screw M3×8

11
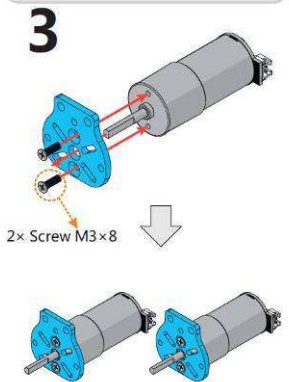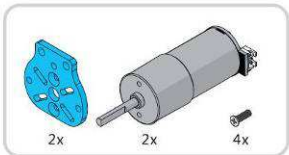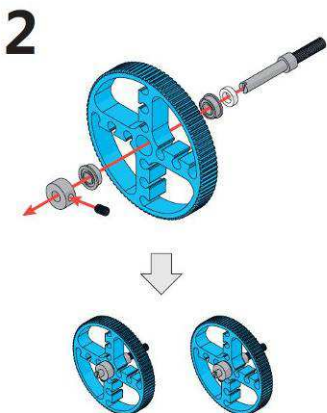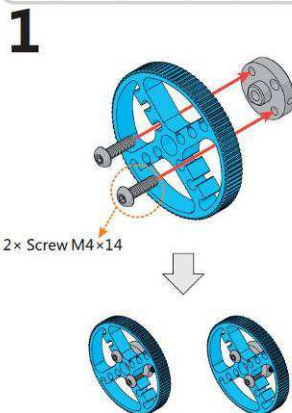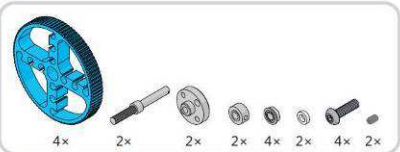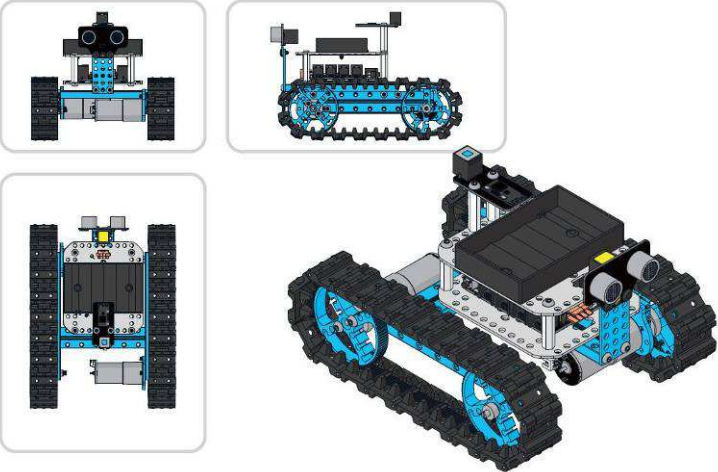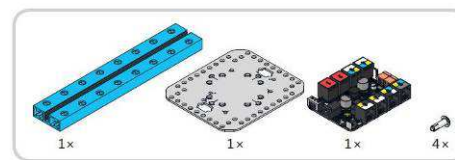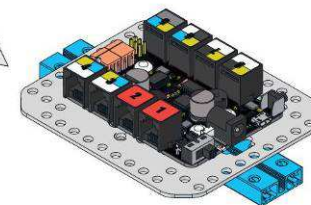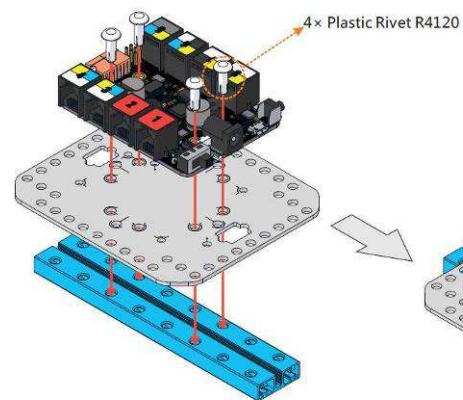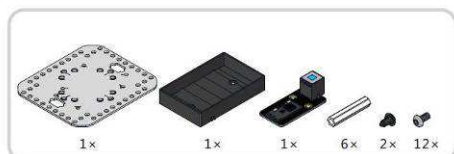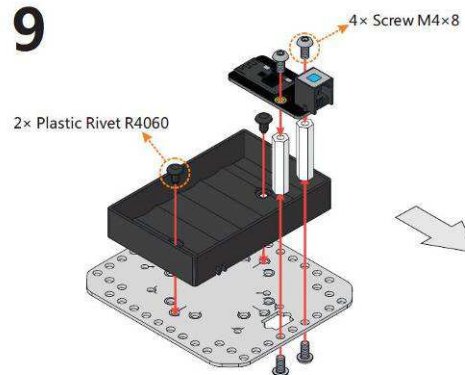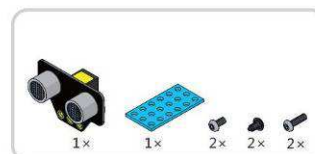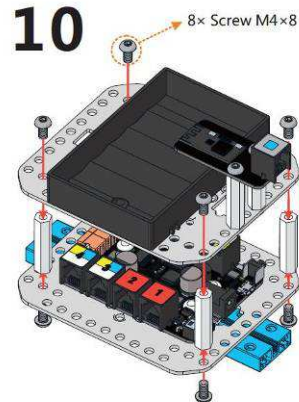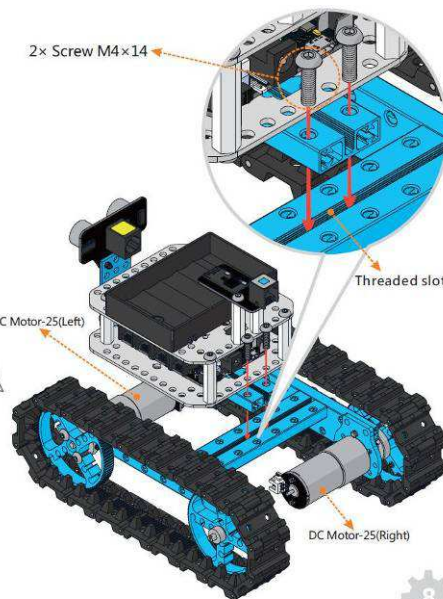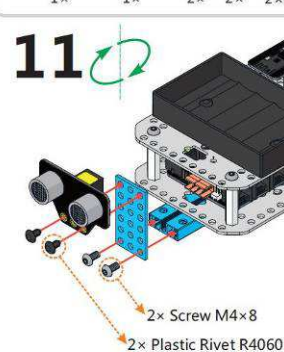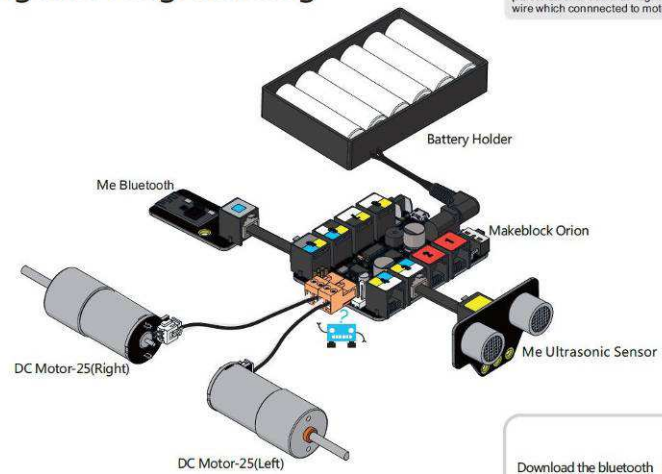
Building the Three-Wheeled Robot Car
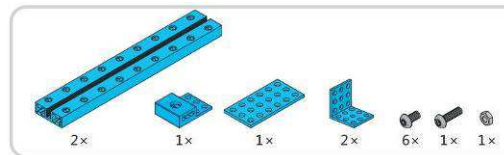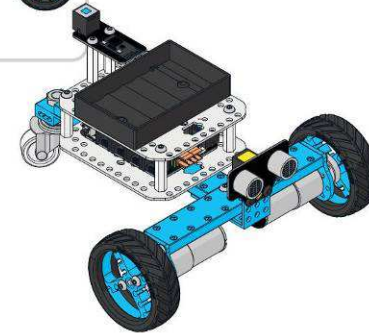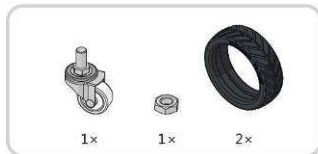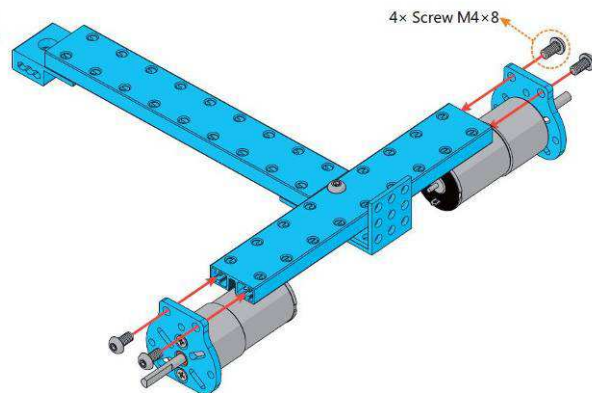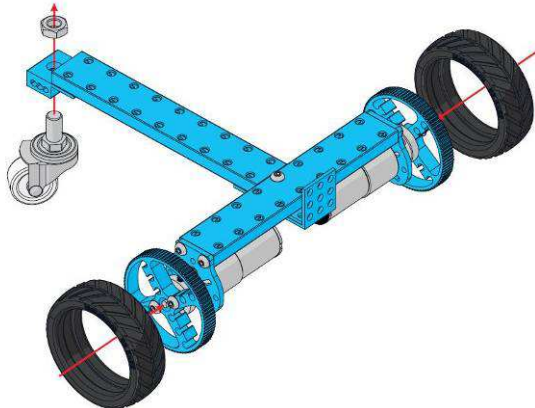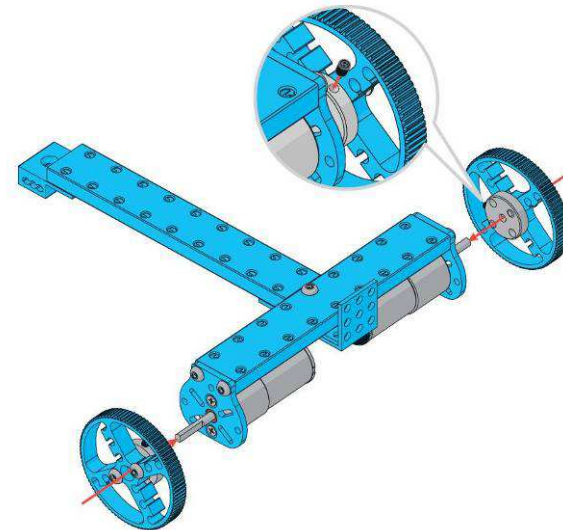
10

2×   1×   1×   2×   6×   1×   1×

3

6× Screw M4×8

Threaded slot

Threaded slot

Screw M4×14

12

4 4×

4× Screw M4×8

5 2×

6 1× 1× 2×

7 1× 2×

2× Plastic Rivet R4060

8

1×   1×   4×

4× Plastic Rivet R4120

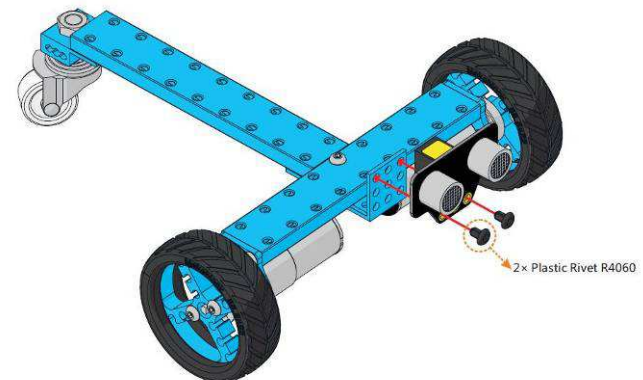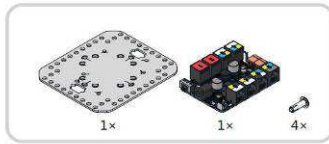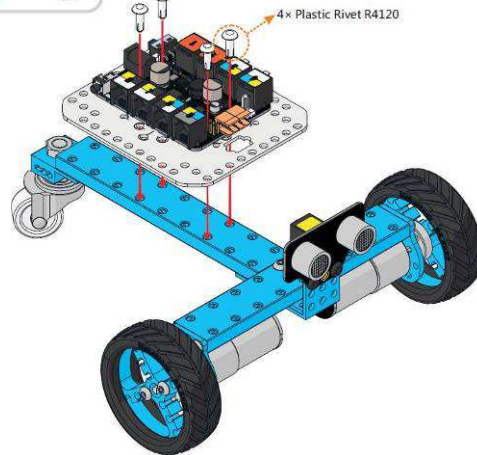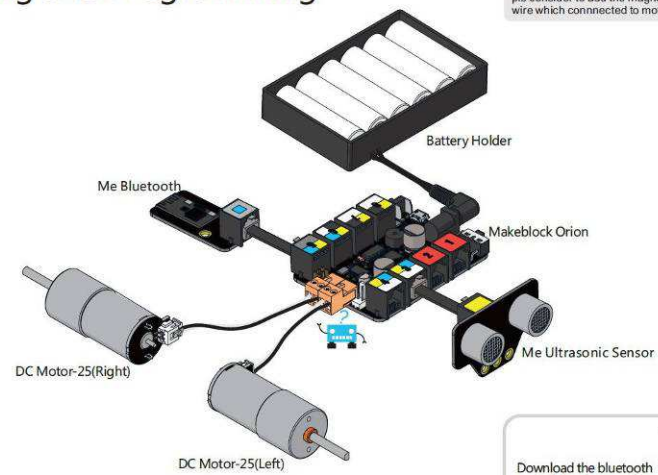## Wiring and Programming

To reduce the electromagnetic interference, pls consider to add the magnetic ring to the wire which connnected to motors.

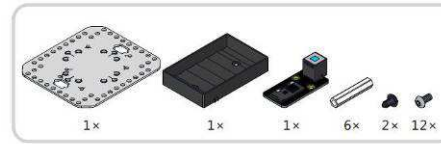Battery Holder

Me Bluetooth

Makeblock Orion

DC Motor-25(Right)

Me Ultrasonic Sensor

DC Motor-25(Left)

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You may need to switch the order of two wires to correct the rotation direction.

9

1×   1×   1×   6×   2×   12×

8× Screw M4×8

4× Screw M4×8

2× Plastic Rivet R4060
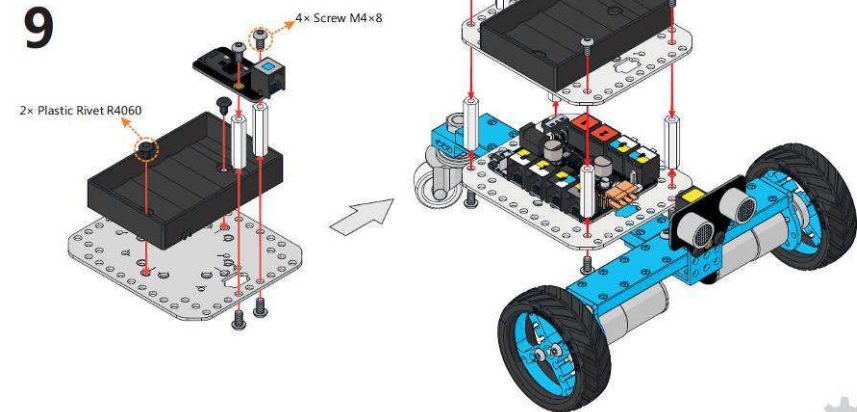
You can build more on Makeblock

Robotic Arm

XY Plotter

3D Printer