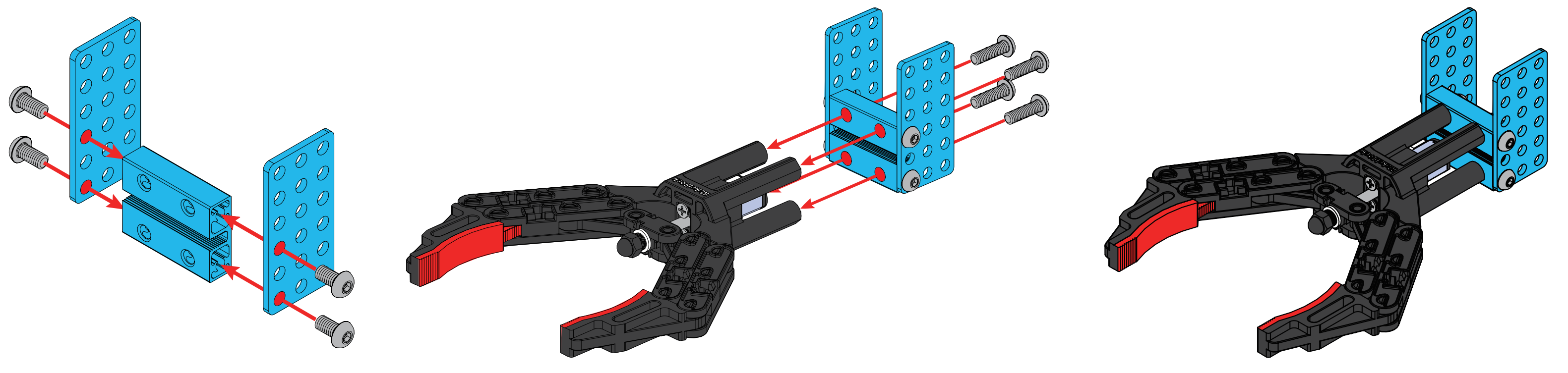
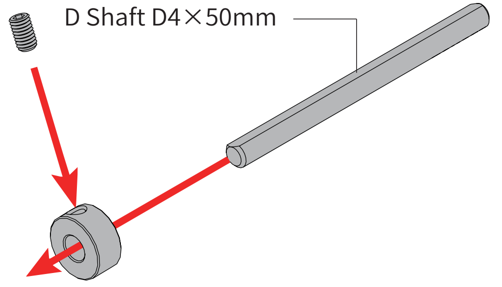
25

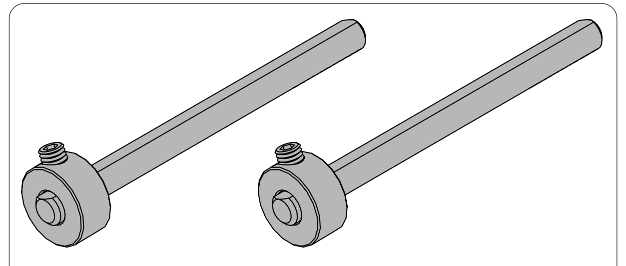
3×6	(2)
0824-032	(1)
Makeblock Gripper	(1)
M4×8	(4)
M4×14	(4)



26

D4×50	(2)
Shaft Collar	(2)
Headless Set Screw M3×5	(2)

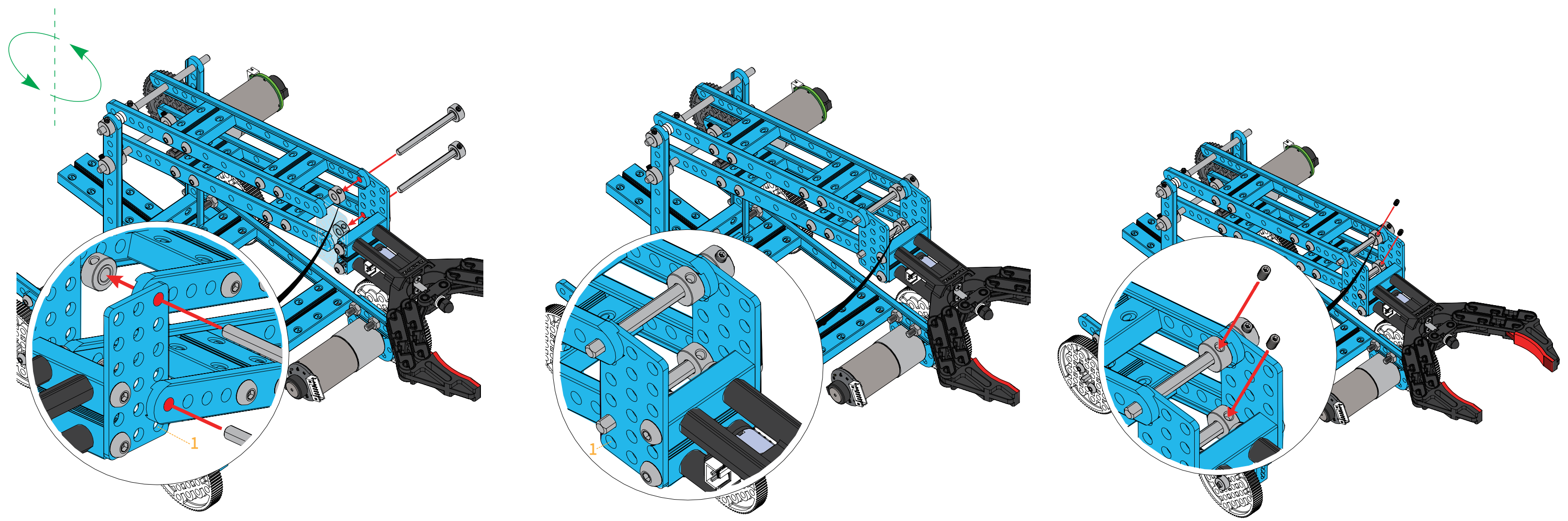




Note: Assemble two as shown.

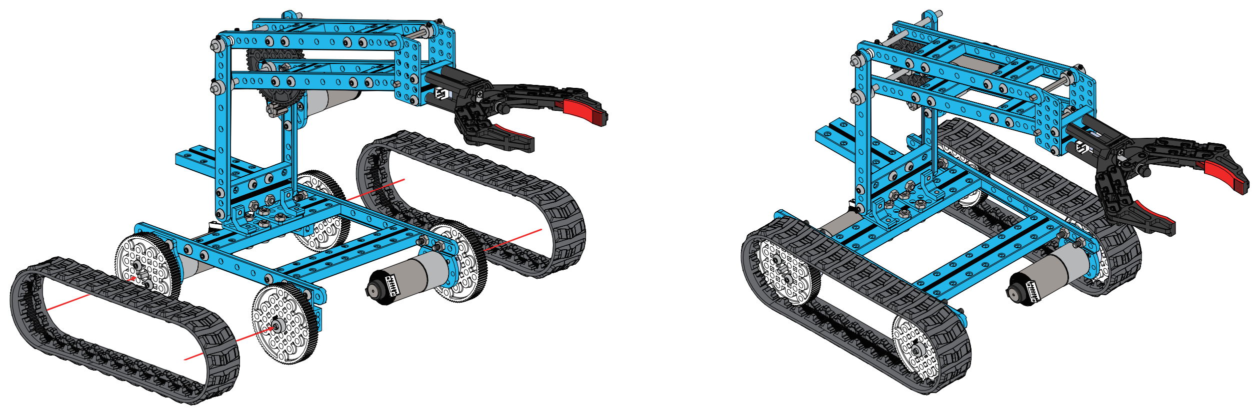
27

Shaft Collar	(2)
Headless Set Screw M3×5	(2)



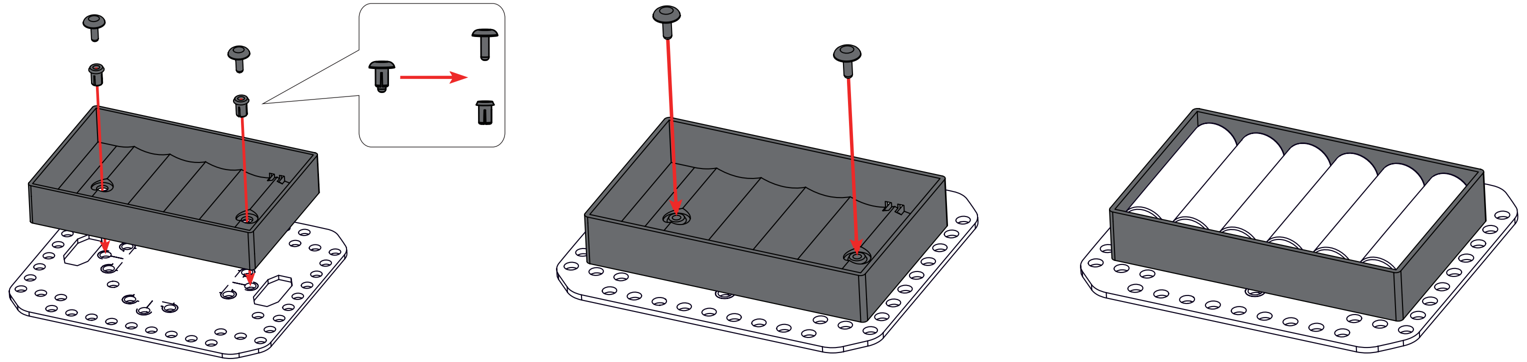
28

Track 80×139mm	(2)



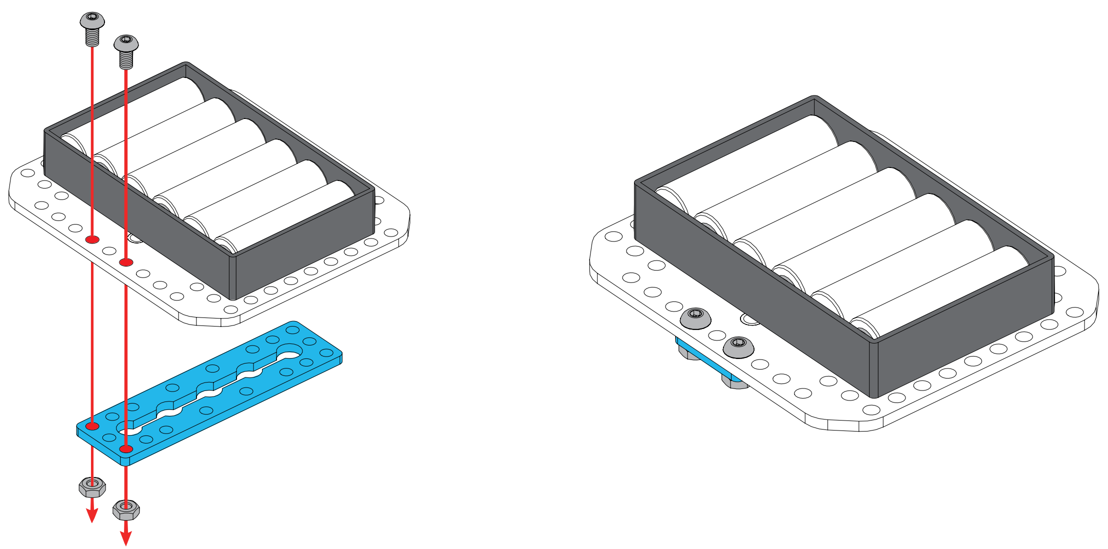
29

MegaPi Acrylic Bracket	(1)
Battery Holder	(1)
Plastic Rivet 4060	(2)



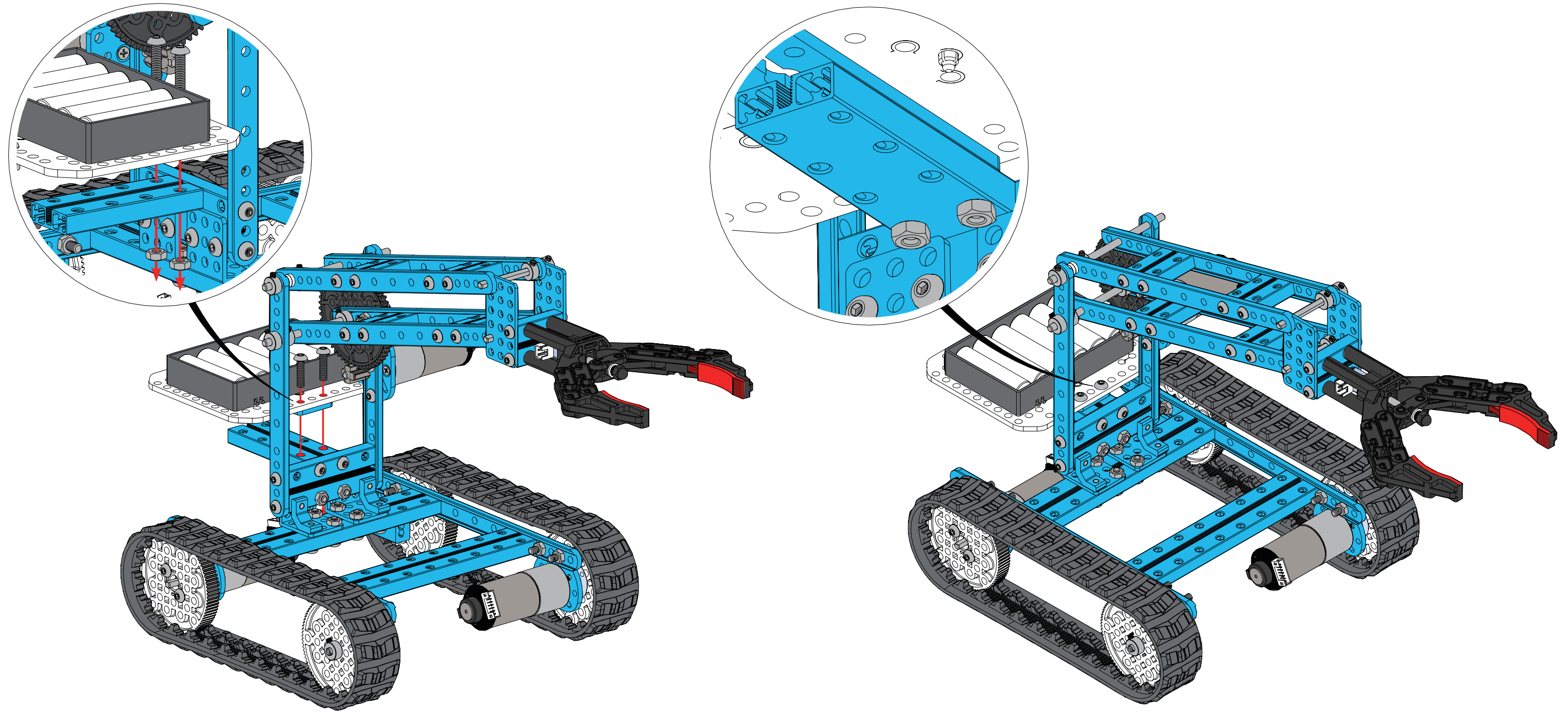
30

0324-088	(1)
M4×8	(2)
Nut M4	(2)



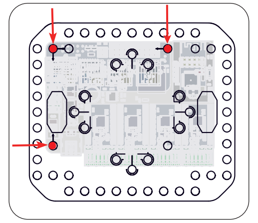
31

- M4×16 (2)
- Nut M4 (2)

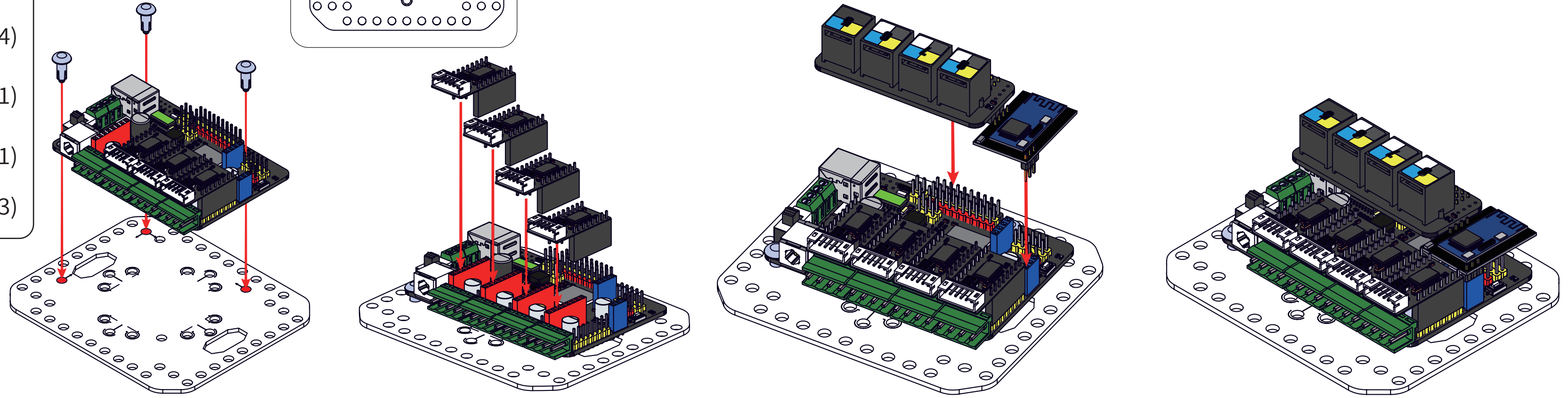


32

- MegaPi (1)
- Shield for RJ25 (1)
- Encoder/DC Motor Driver (4)
- Bluetooth Module (1)
- MegaPi Acrylic Bracket (1)
- Plastic Rivet 4100 (3)



To correctly assemble the main board onto the acrylic bracket, please pay attention to the direction of the arrow on the bracket.

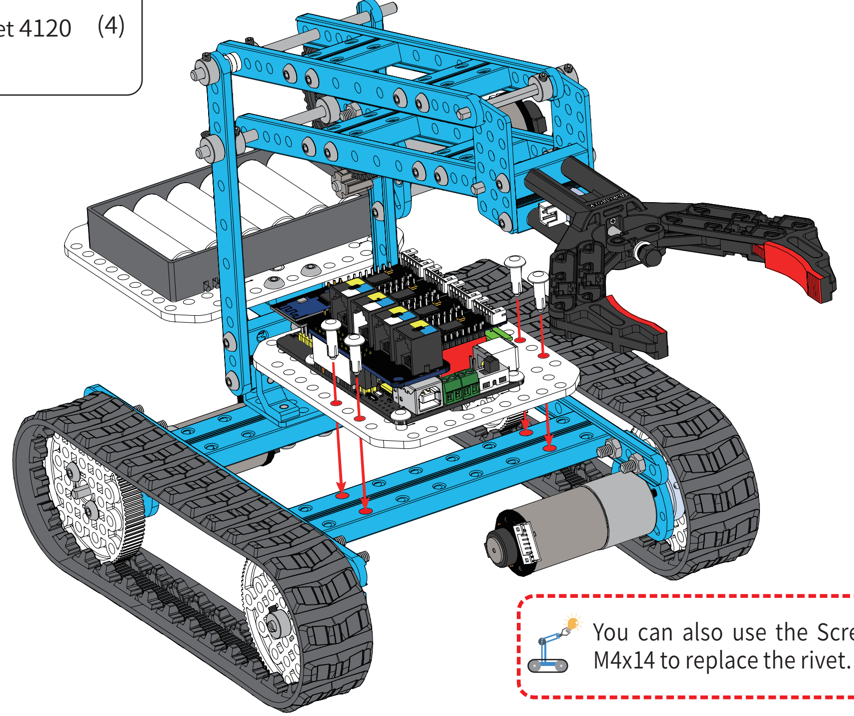


33

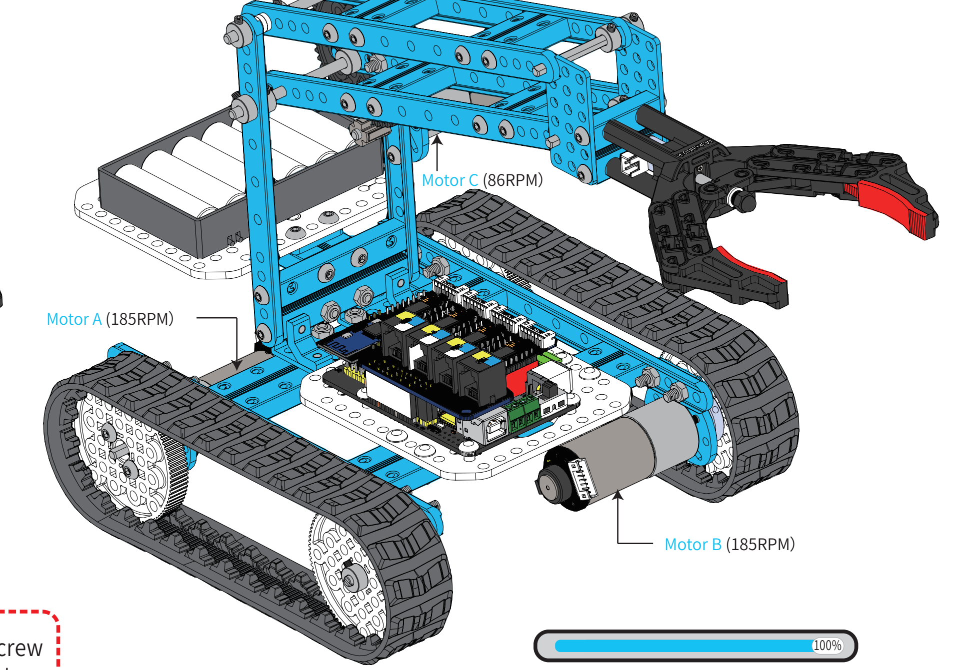
- Plastic Rivet 4120 (4)

Assembled Diagram

NOTE: Please check whether the screw is tightened according to the instruction.

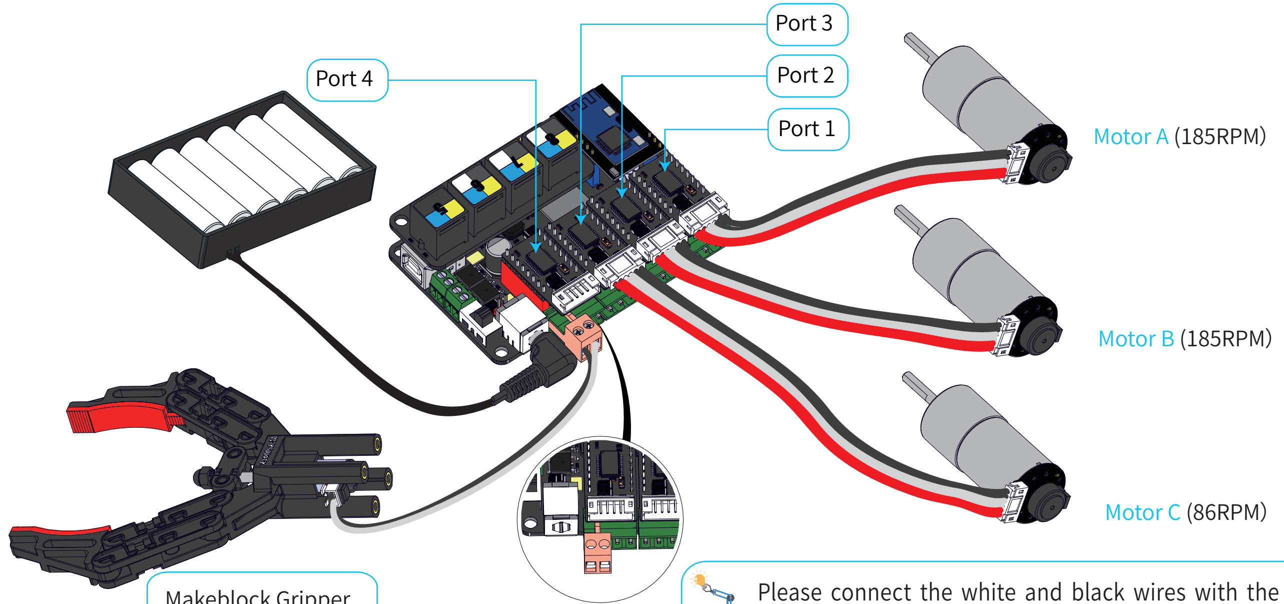


You can also use the Screw M4x14 to replace the rivet.

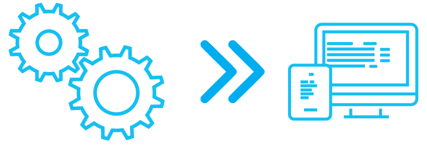


You have now finished building the Robotic Arm Tank.

Wiring

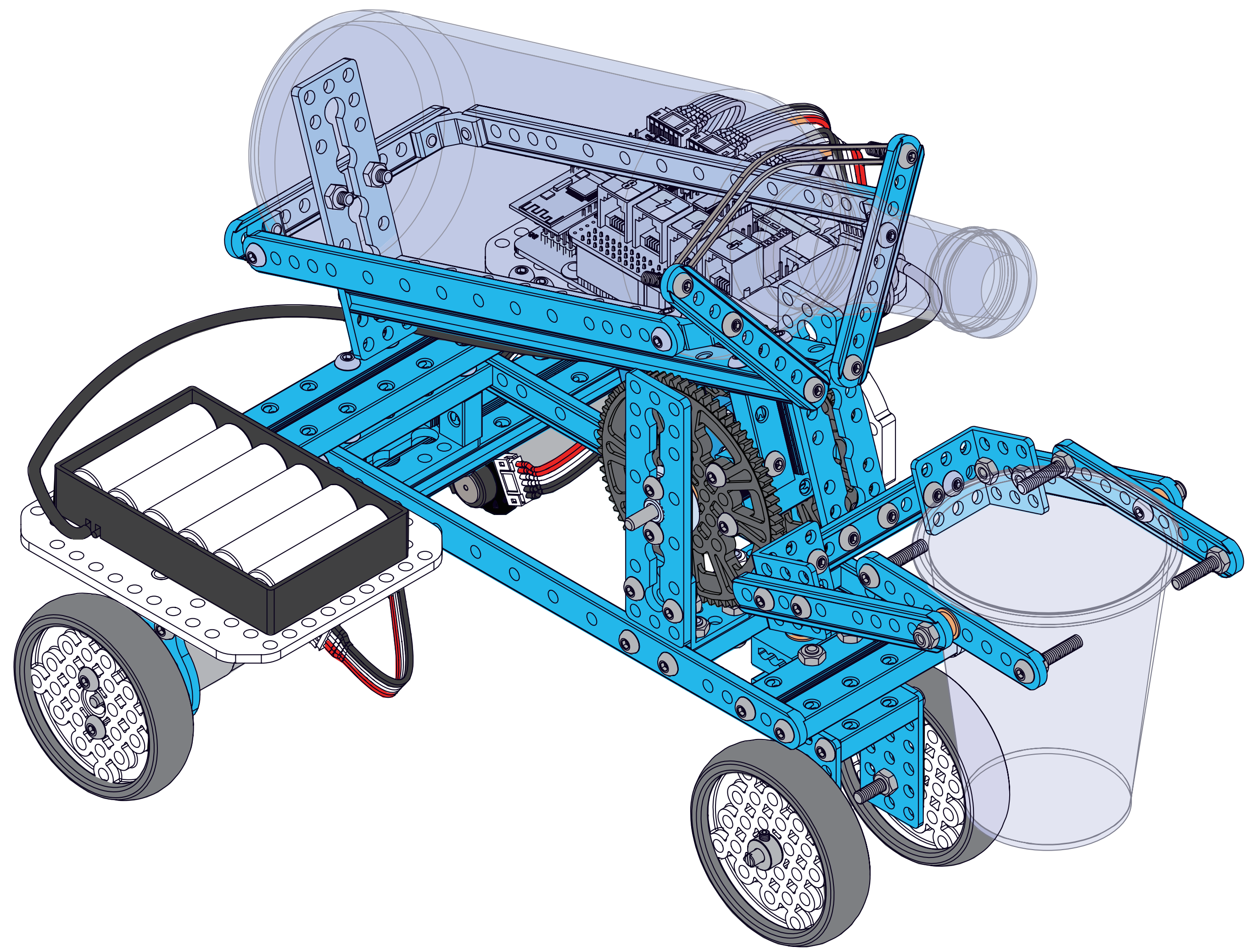


Please connect the white and black wires with the sequence shown in the image, then insert the plug to the 4B- and 4B+ port on mainboard.



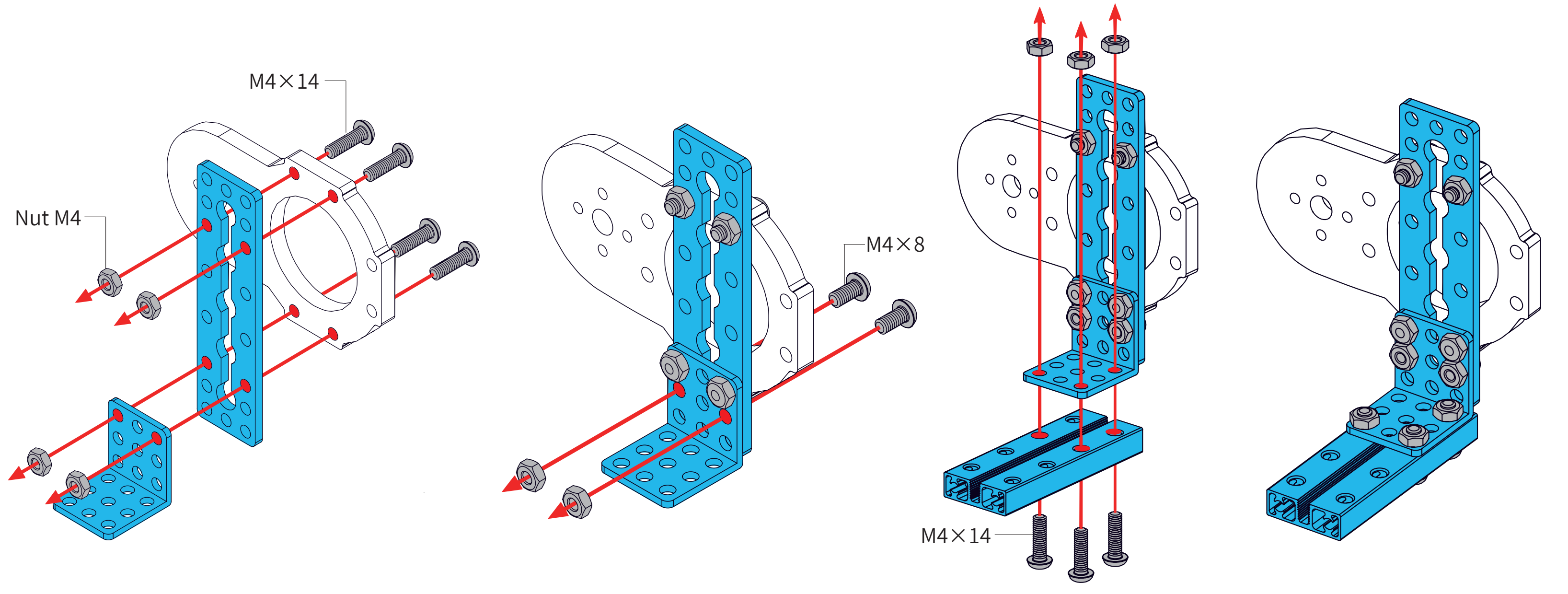
After assembly, please skip to page 54 for software instruction.

Beverage Robot



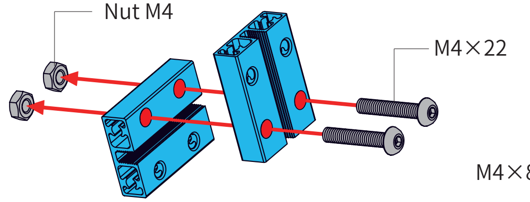
1

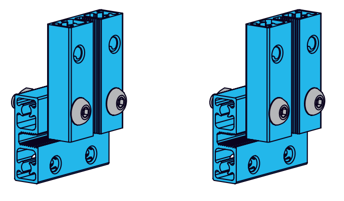
0824-064	(1)
Bracket 3×3	(1)
0324-088	(1)
25mm Motor Bracket-72T	(1)
Nut M4	(9)
M4×8	(2)
M4×14	(7)



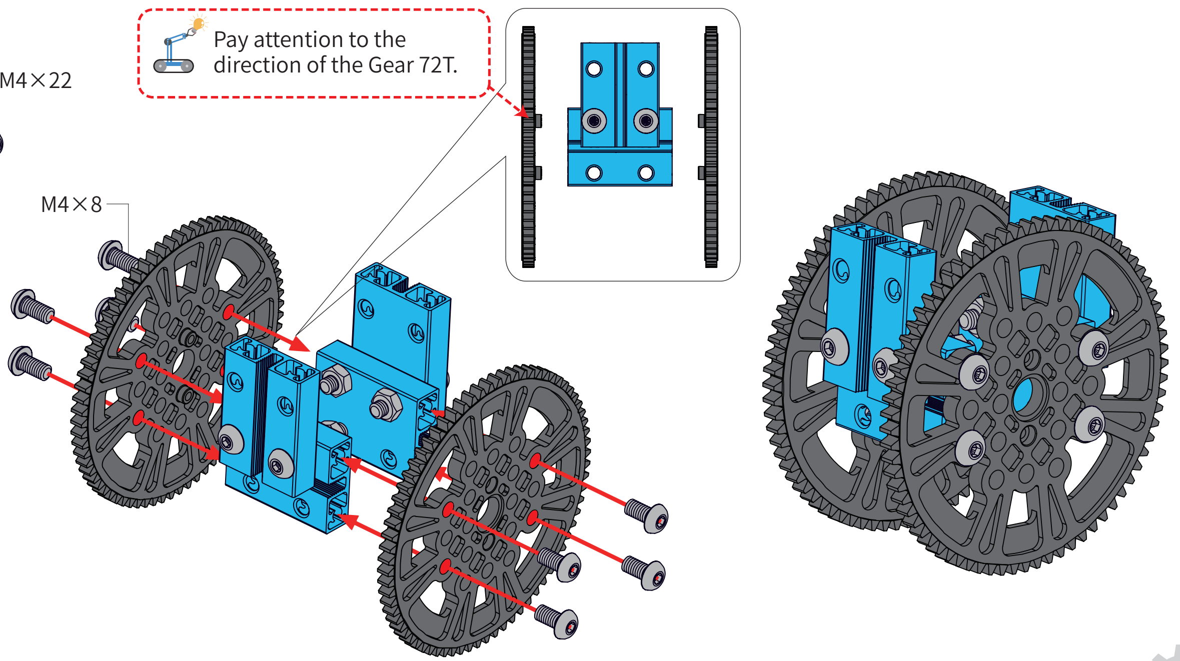
2

0824-032	(4)
72T	(2)
Nut M4	(4)
M4×8	(8)
M4×22	(4)



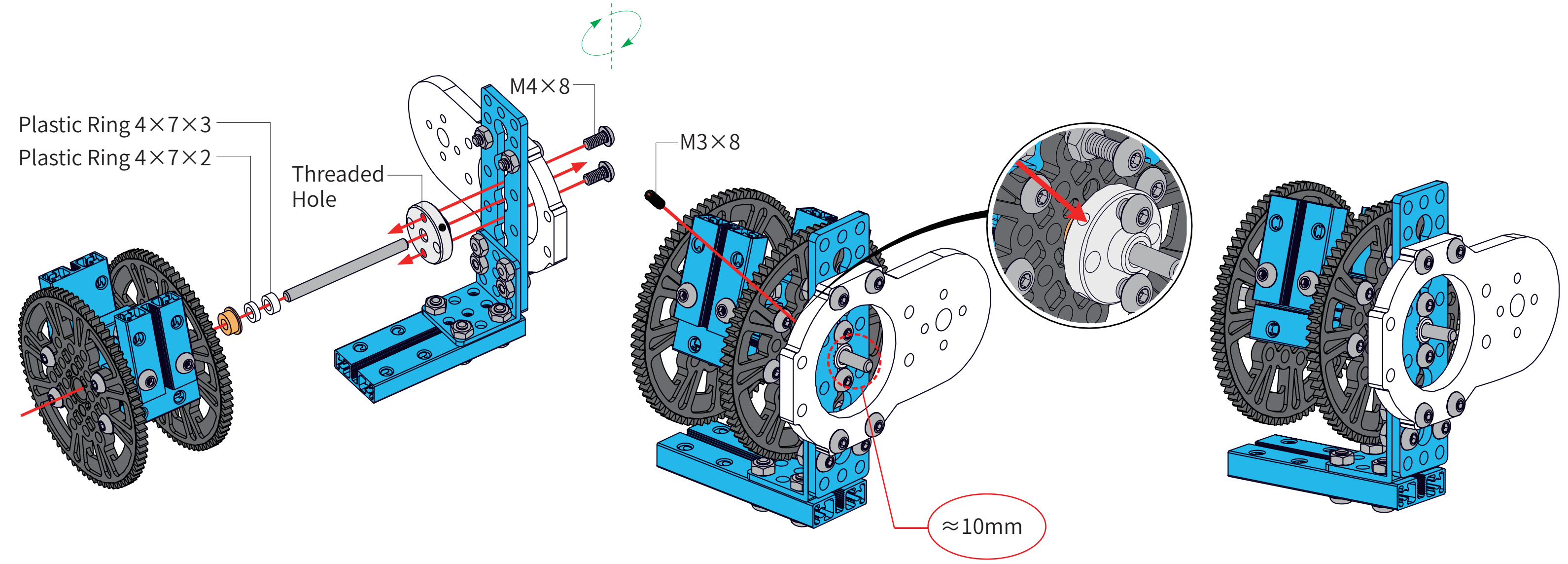


Note: Assemble two as shown.



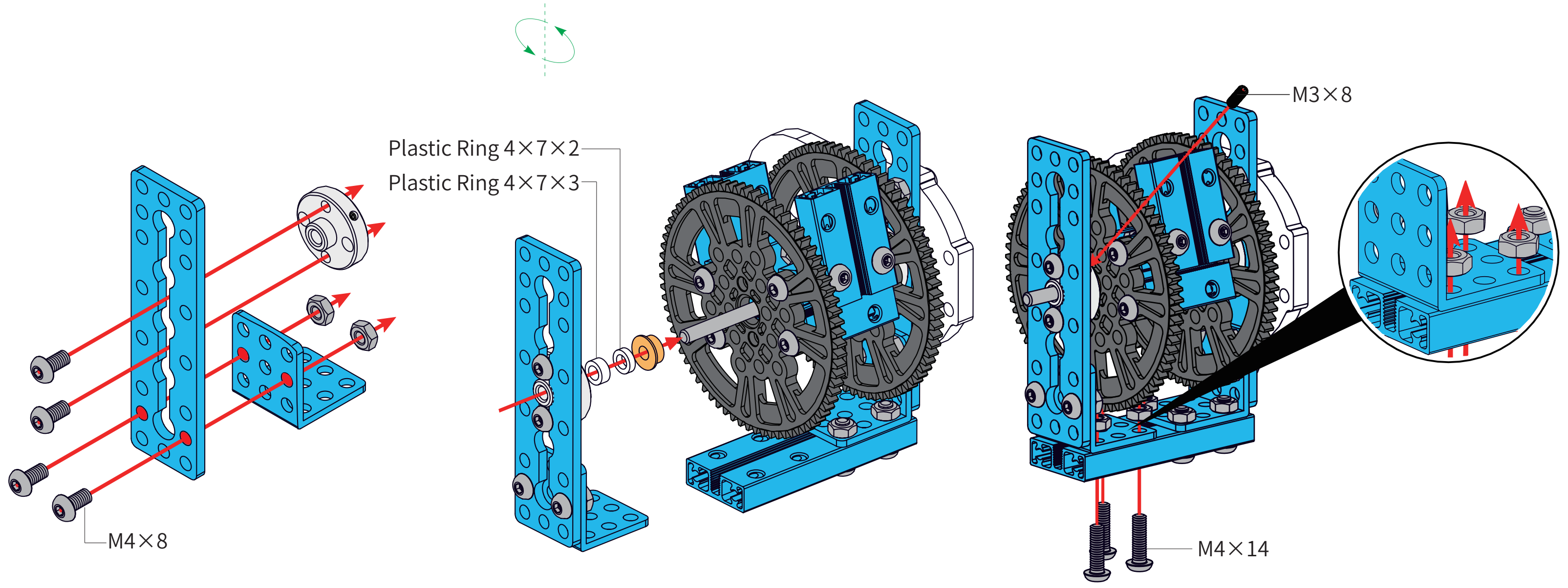
3

Shaft Connector 4mm	(1)
M4×8	(2)
Plastic Ring 4×7×3	(1)
Plastic Ring 4×7×2	(1)
Flange Copper Sleeve	(1)
Headless Set Screw M3×8	(1)
D4×88	(1)



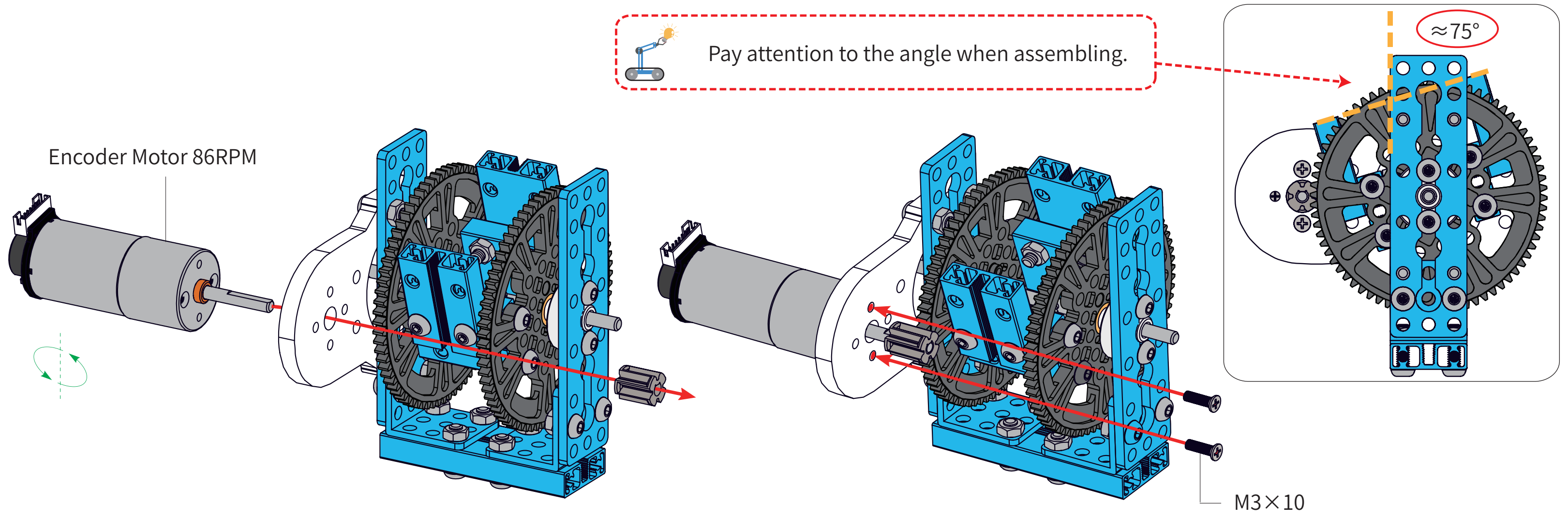
4

Bracket 3×3	(1)
0324-088	(1)
Shaft Connector 4mm	(1)
Nut M4	(5)
M4×8	(4)
M4×14	(3)
Plastic Ring 4×7×3	(1)
Plastic Ring 4×7×2	(1)
Flange Copper Sleeve	(1)
Headless Set Screw M3×8	(1)



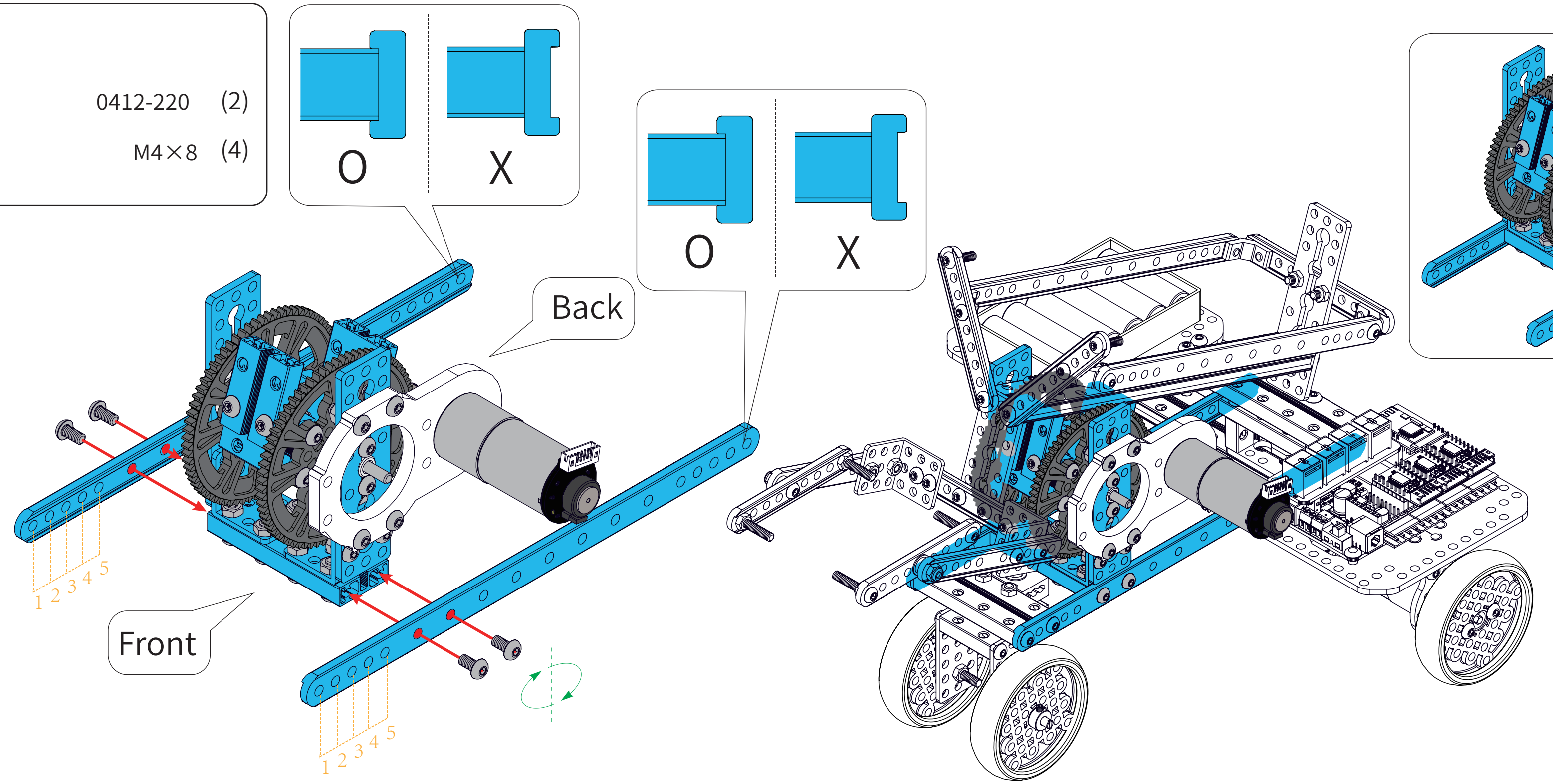
5

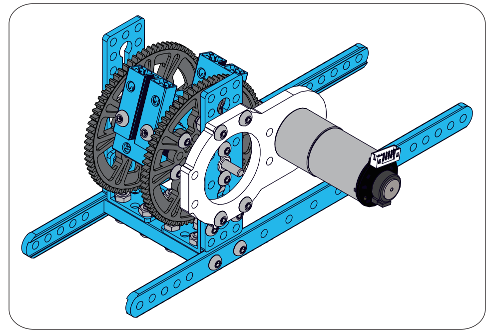
Encoder Motor 86RPM	(1)
8T	(1)
Countersunk Screw M3×10	(2)



6

0412-220	(2)
M4×8	(4)



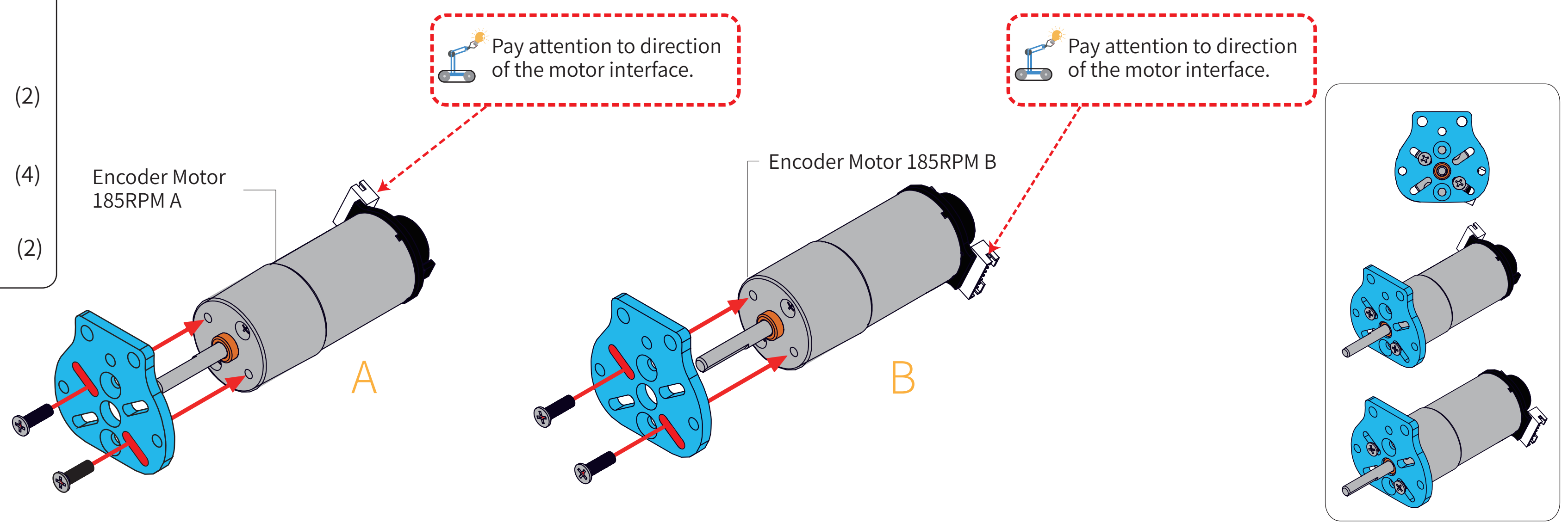


25%

You have finished the rotational structure.

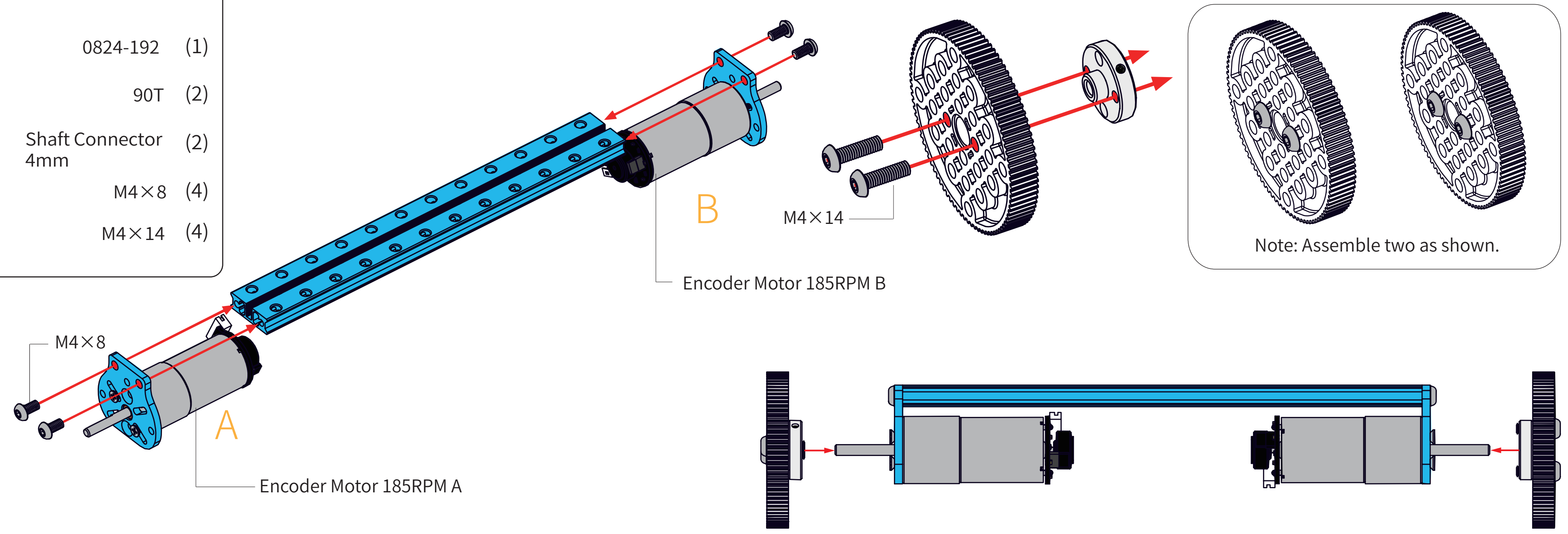
7

Encoder Motor 185RPM	(2)
Countersunk Screw M3×8	(4)
25mm DC Motor Bracket	(2)



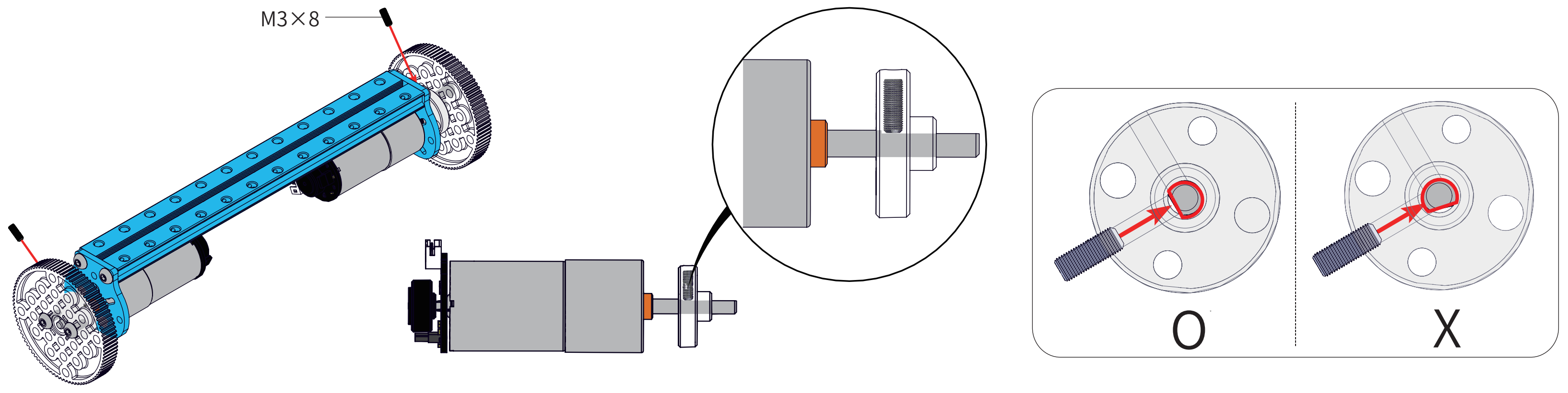
8

0824-192	(1)
90T	(2)
Shaft Connector 4mm	(2)
M4×8	(4)
M4×14	(4)



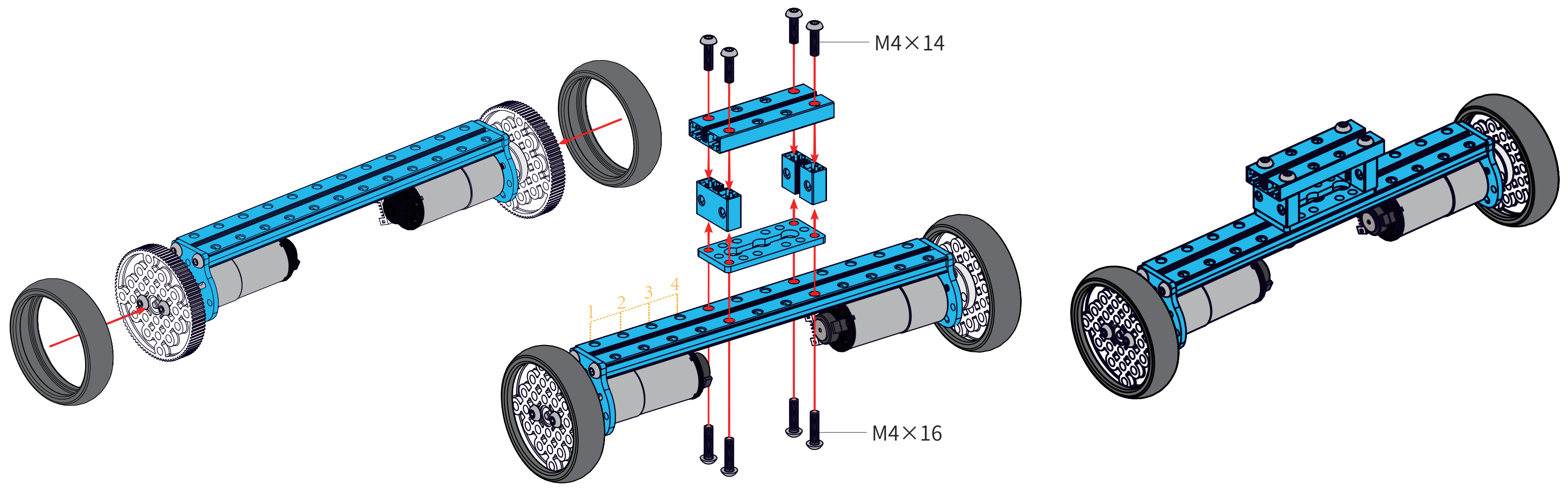
9

Headless Set Screw M3×8	(2)



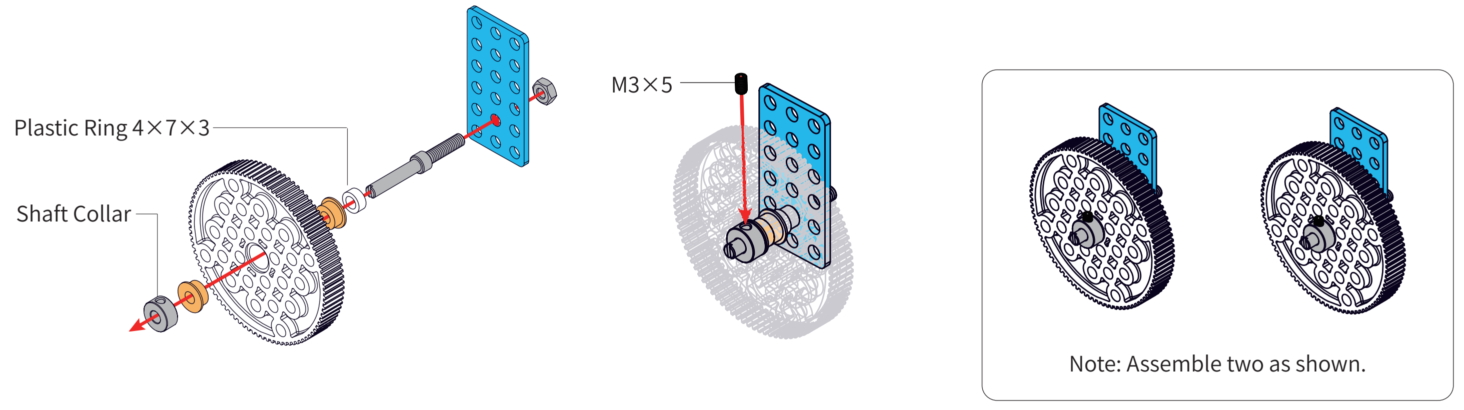
10

Tire 90T B	(2)
M4×14	(4)
M4×16	(4)
0324-056	(1)
0824-064	(1)
0824-016	(2)



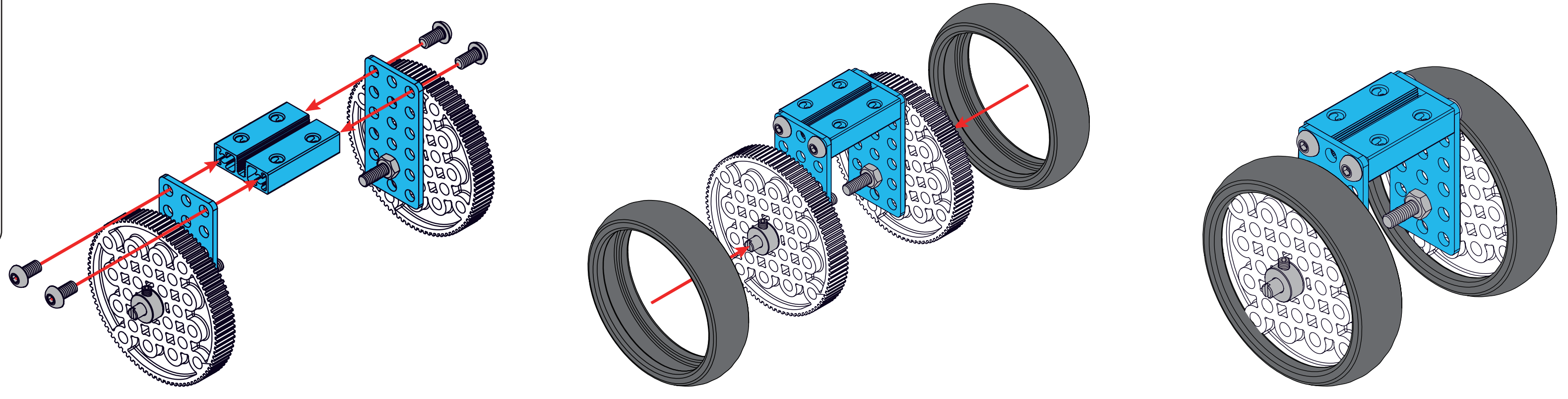
11

3×6	(2)
90T	(2)
Shaft Collar	(2)
Flange Copper Sleeve	(4)
Plastic Ring 4×7×3	(2)
4×39mm	(2)
Nut M4	(2)
Headless Set Screw M3×5	(2)



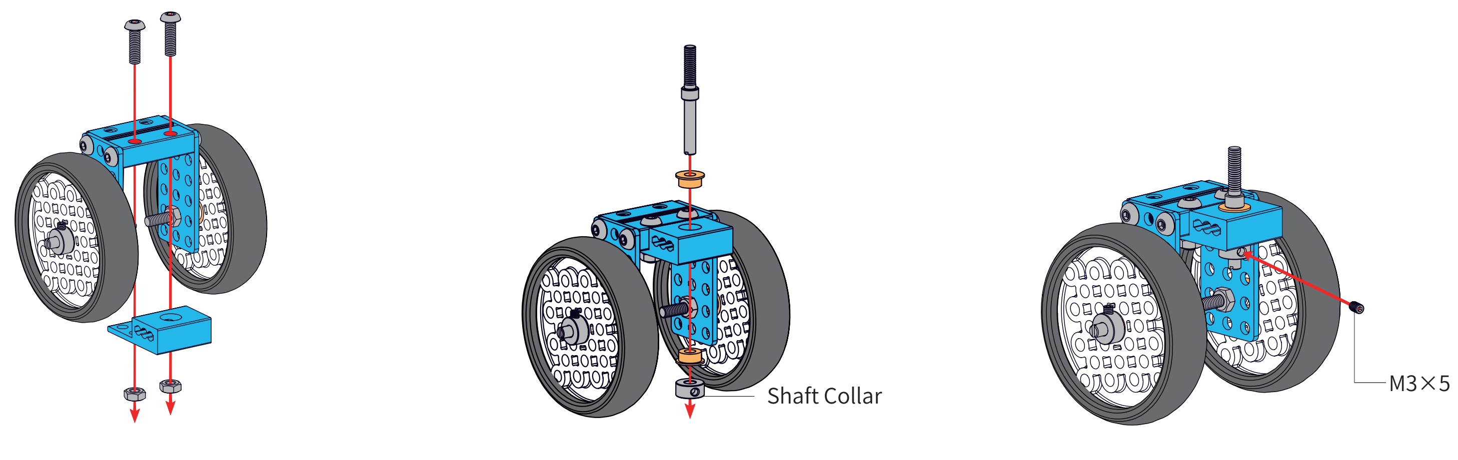
12

0824-032	(1)
Tire 90T B	(2)
M4×8	(4)



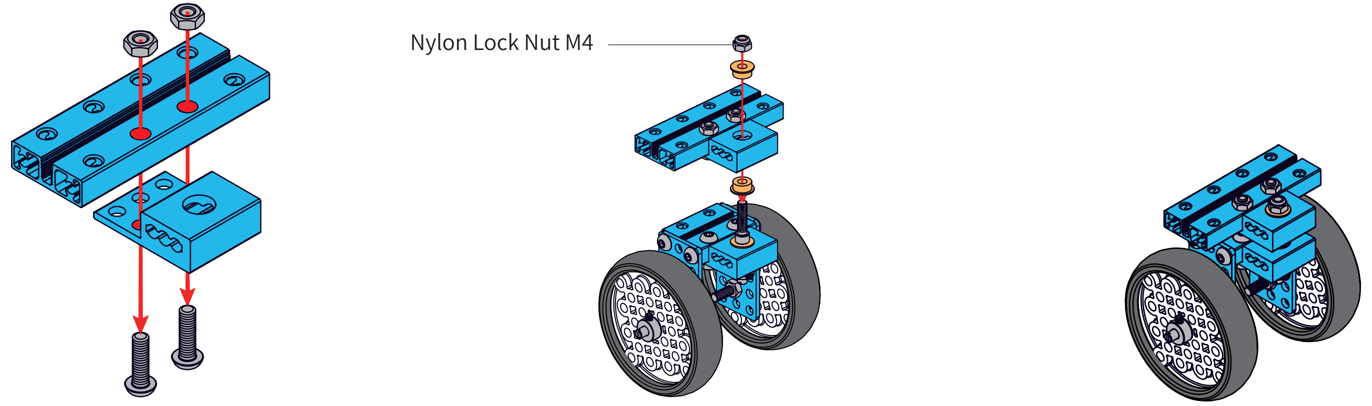
13

P3	(1)
4×39mm	(1)
Flange Copper Sleeve	(2)
M4×14	(2)
Nut M4	(2)
Shaft Collar	(1)
Headless Set Screw M3×5	(1)



14

P3	(1)
0824-64	(1)
Flange Copper Sleeve	(2)
M4×14	(2)
Nut M4	(2)
Nylon Lock Nut M4	(1)

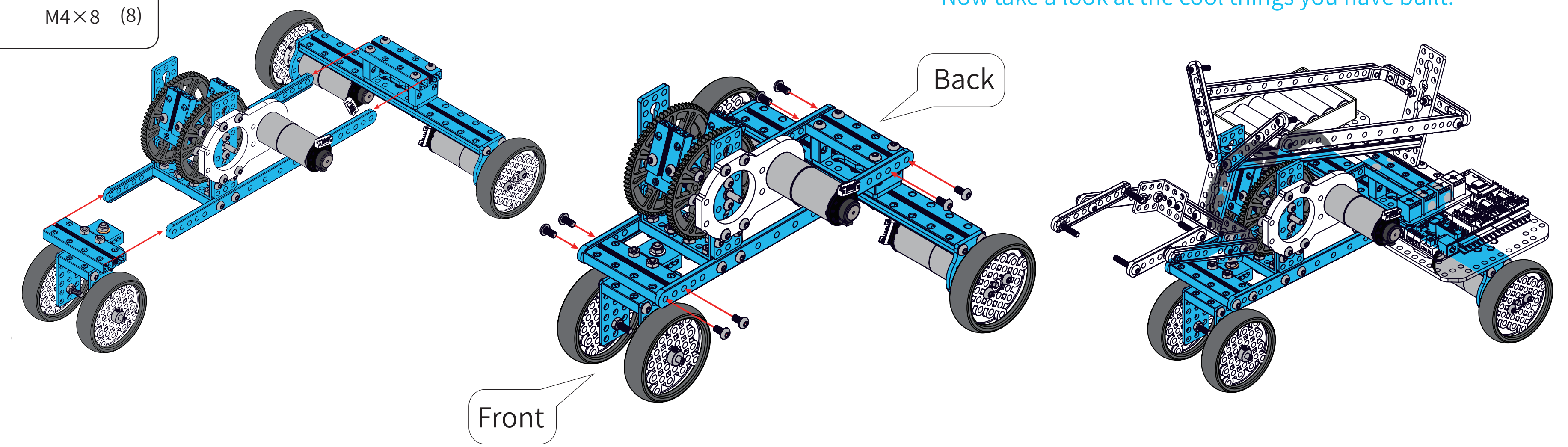


15

M4×8	(8)

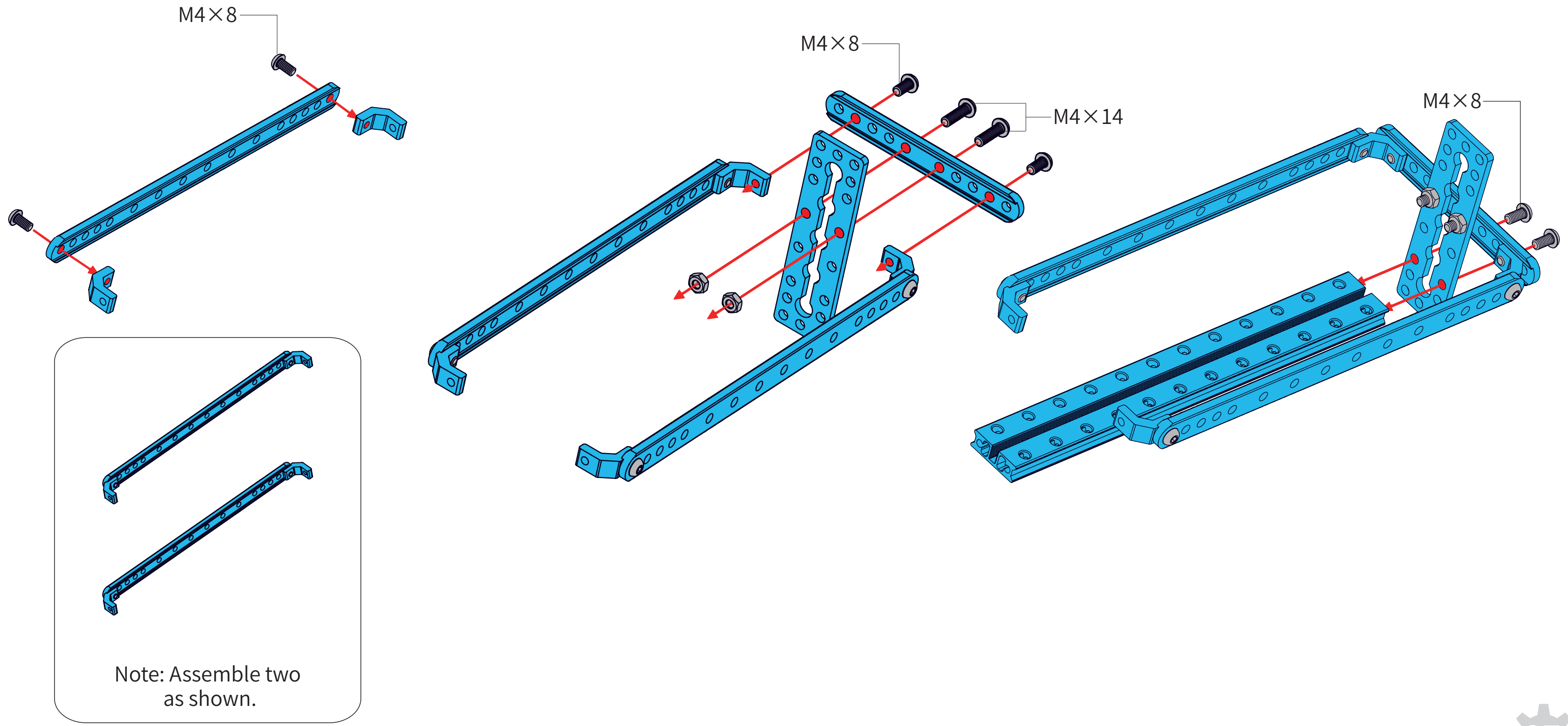
65%

Now take a look at the cool things you have built.



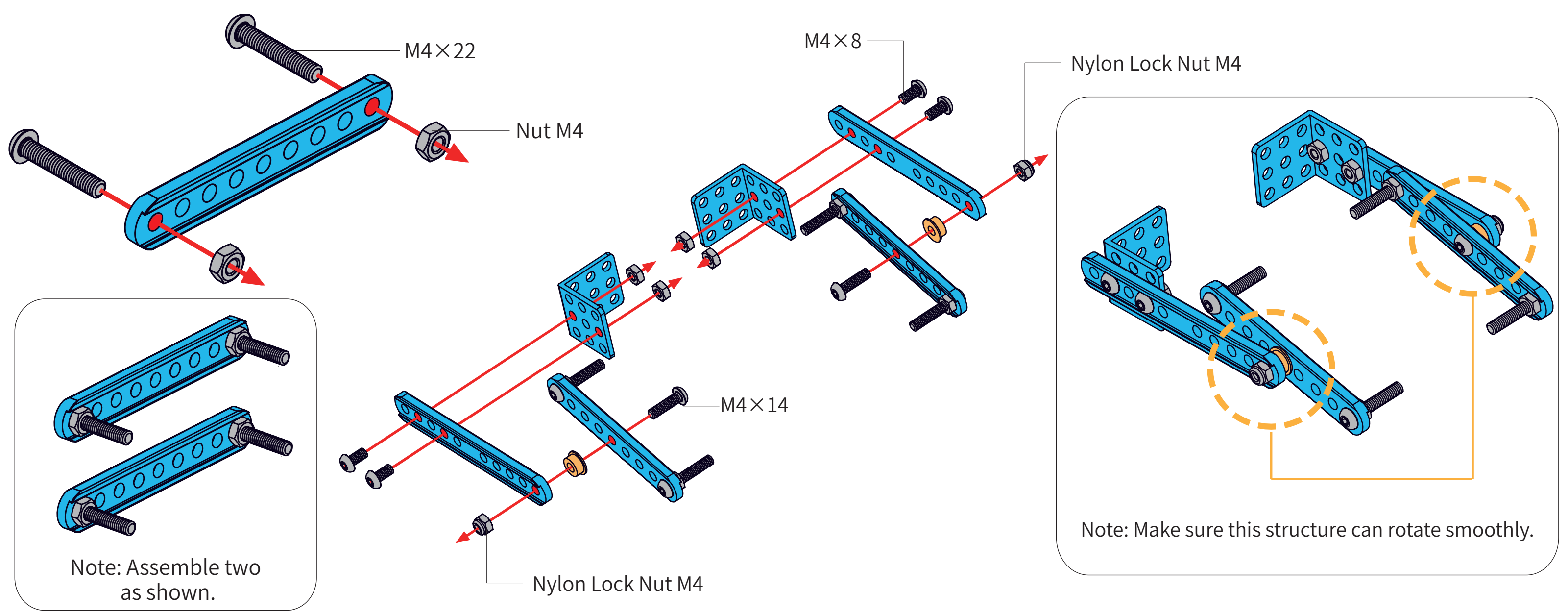
16

0824-192	(1)
0412-188	(2)
0412-092	(1)
1616-08-M4	(4)
0324-088	(1)
M4×8	(8)
M4×14	(2)
Nut M4	(2)



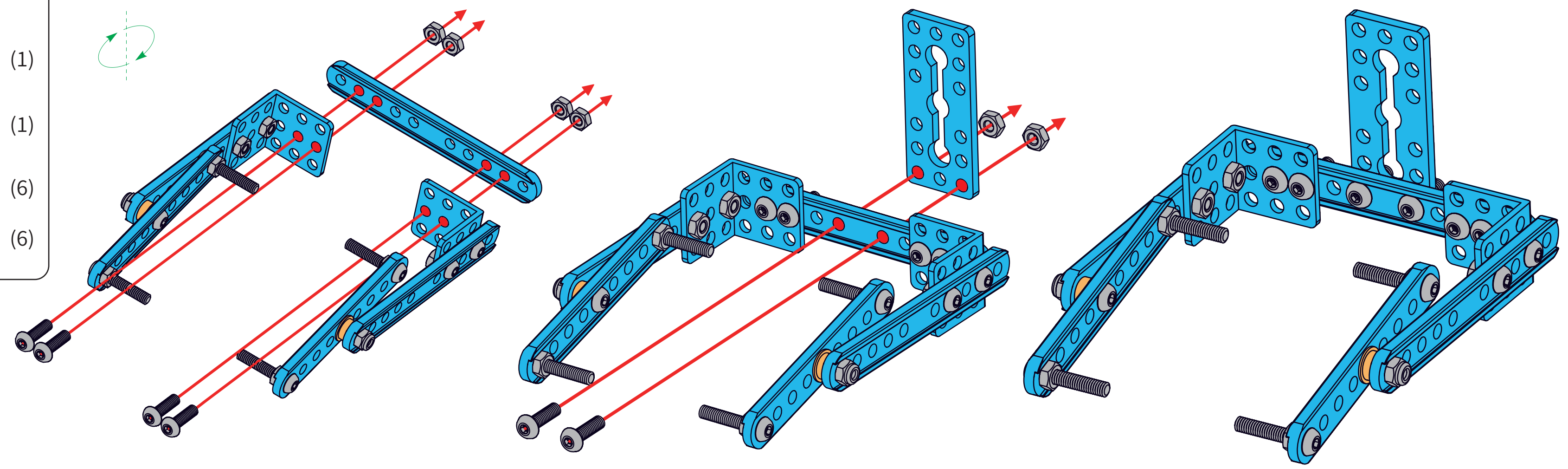
17

0412-076	(2)
0412-092	(2)
Bracket 3×3	(2)
Flange Copper Sleeve	(2)
M4×8	(4)
M4×14	(2)
M4×22	(4)
Nylon Lock Nut M4	(2)
Nut M4	(8)



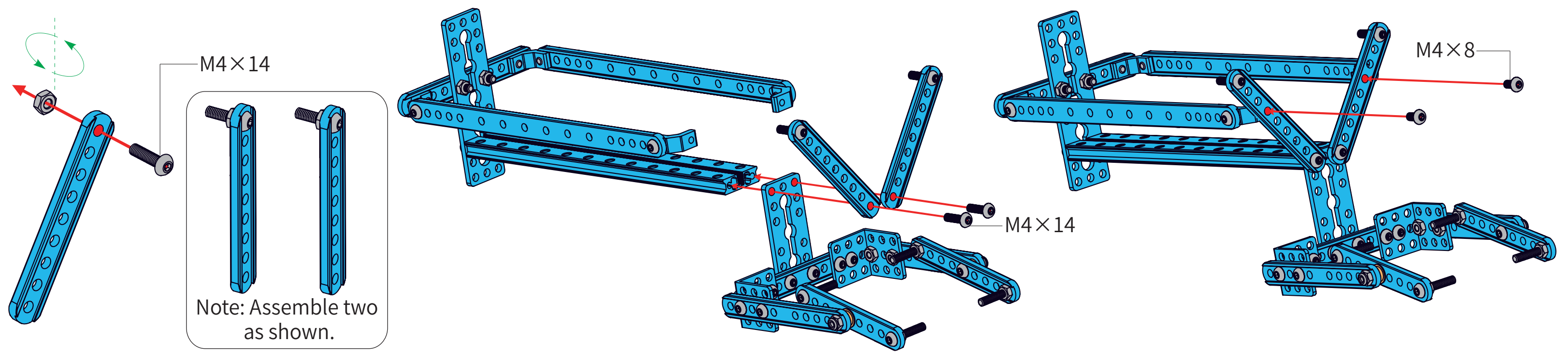
18

0412-092	(1)
0324-056	(1)
M4×14	(6)
Nut M4	(6)



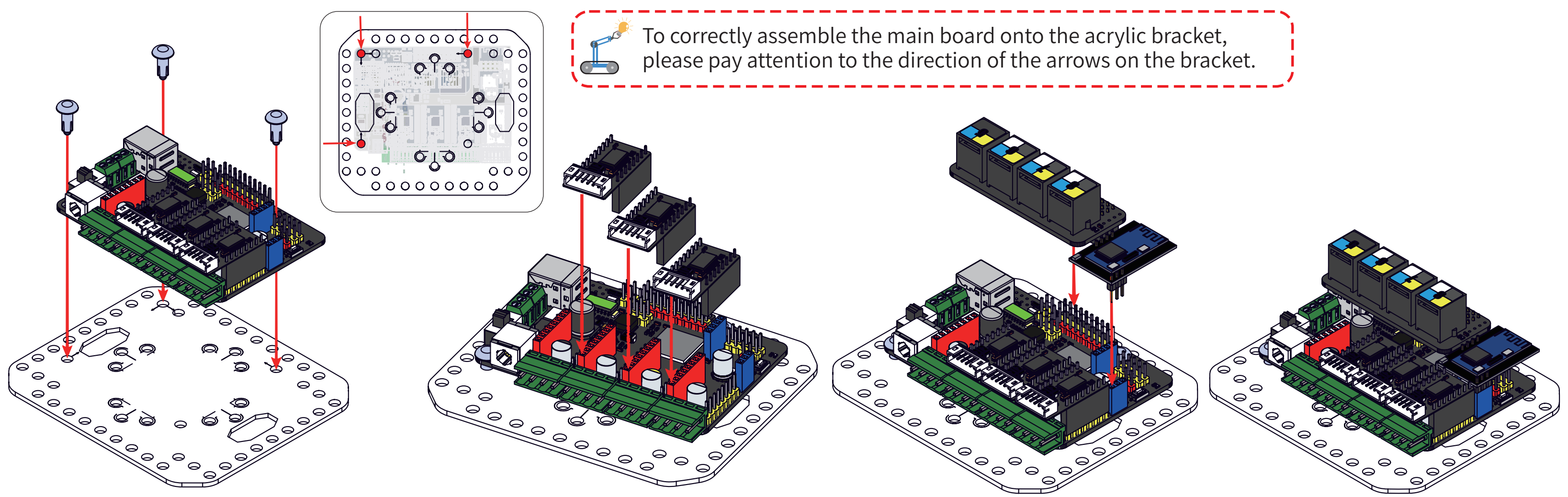
19

0412-076	(2)
M4×8	(2)
M4×14	(4)
Nut M4	(2)



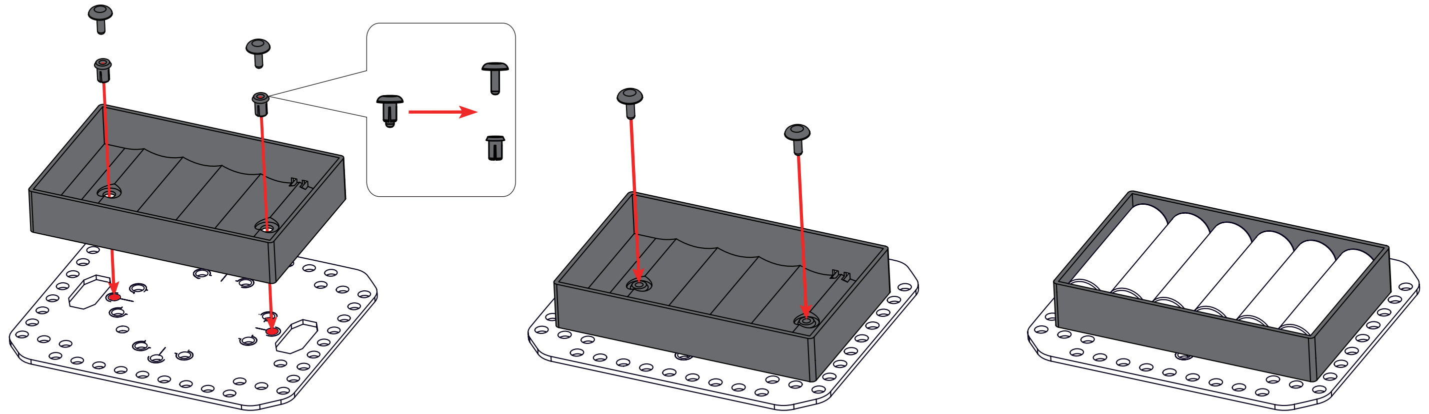
20

MegaPi	(1)
Shield for RJ25	(1)
Encoder/DC Motor Driver	(3)
Bluetooth Module	(1)
MegaPi Acrylic Bracket	(1)
Plastic Rivet 4100	(3)



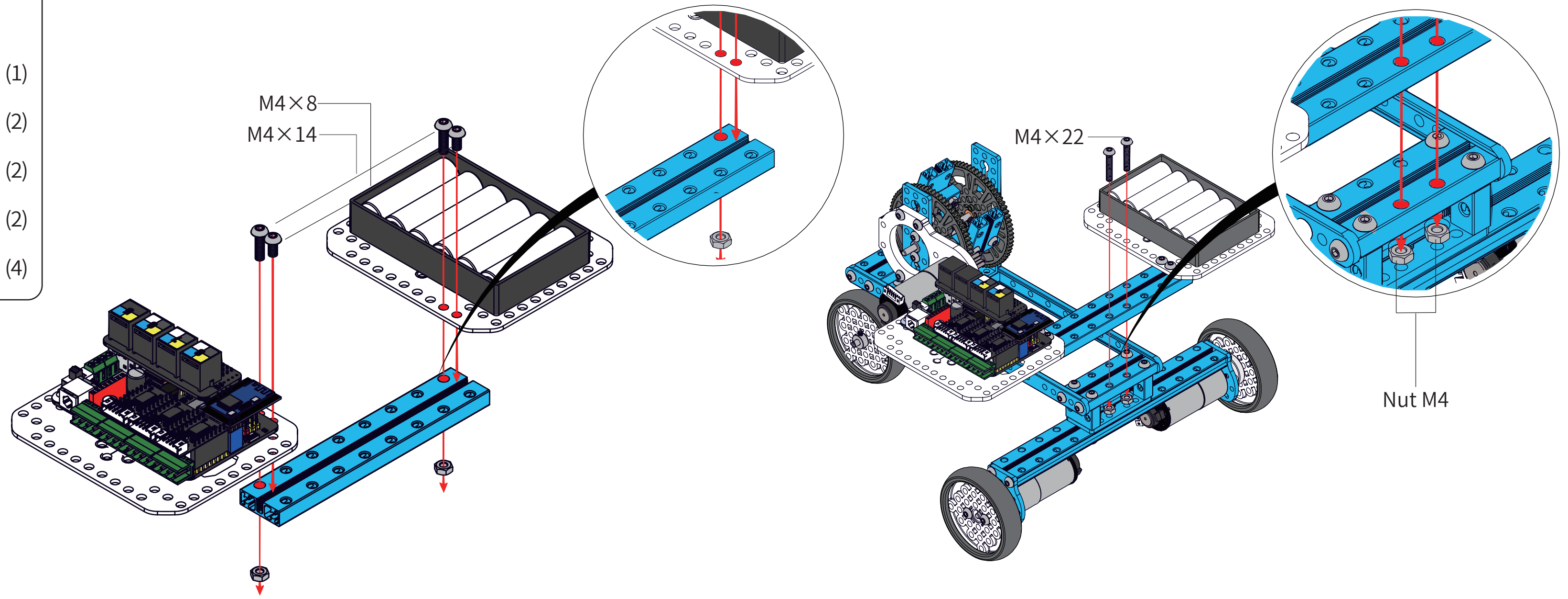
21

MegaPi Acrylic Bracket	(1)
Battery Holder	(1)
Plastic Rivet 4060	(2)



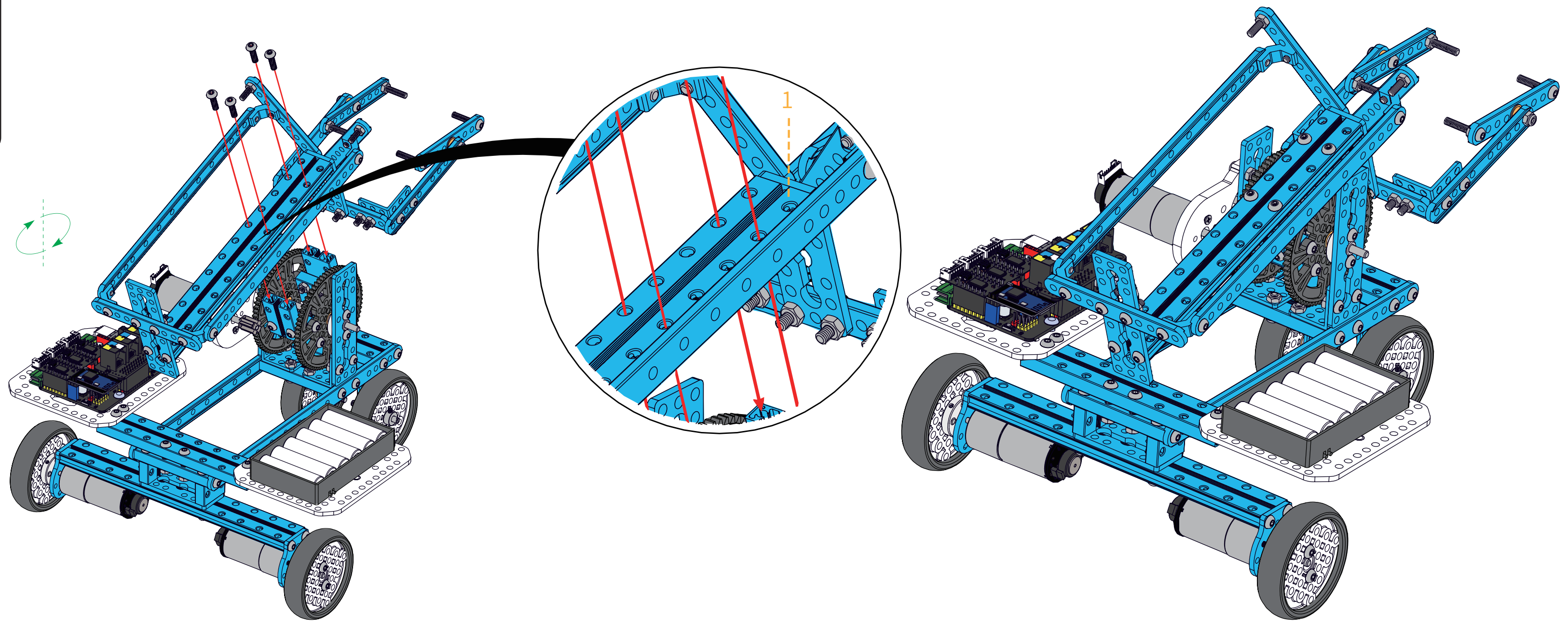
22

0824-128	(1)
M4×8	(2)
M4×14	(2)
M4×22	(2)
Nut M4	(4)



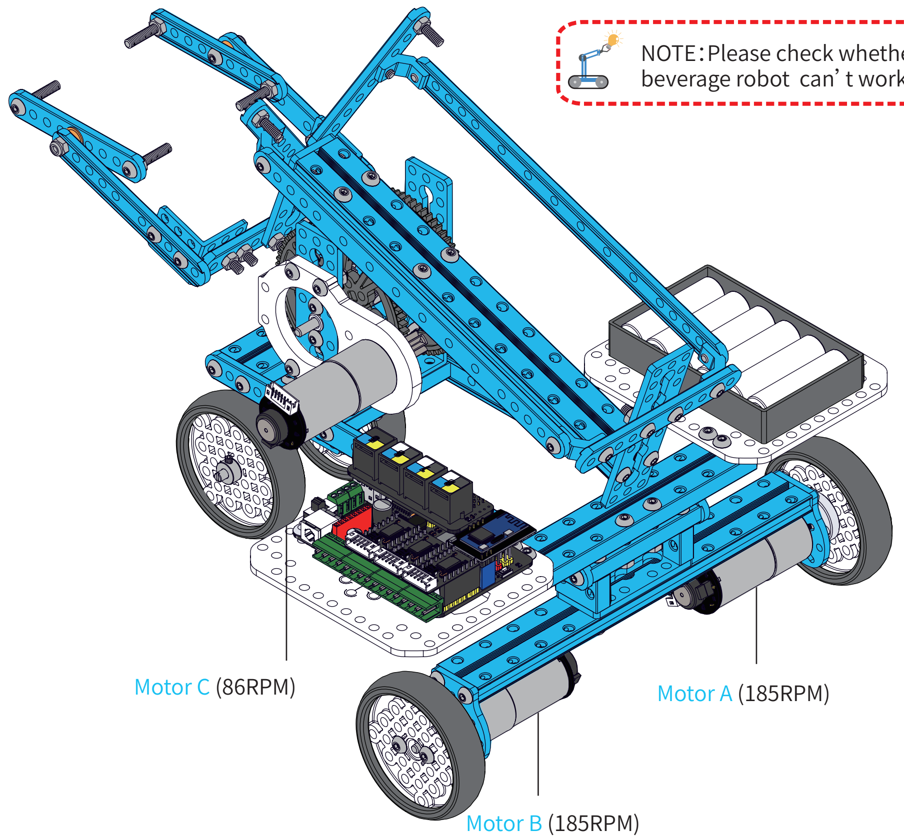
23

M4×14	(4)



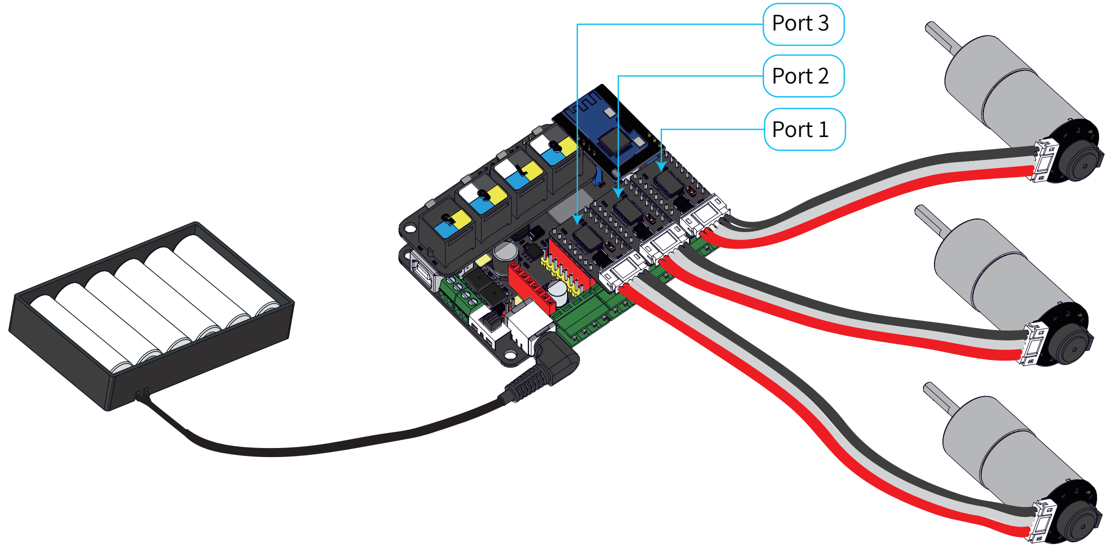
Assembled Diagram

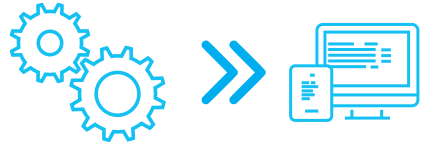
NOTE: Please check whether the screw is tightened according to the instruction. If the beverage robot can' t work normally, please refer to FAQs for answers.



100% Completed!

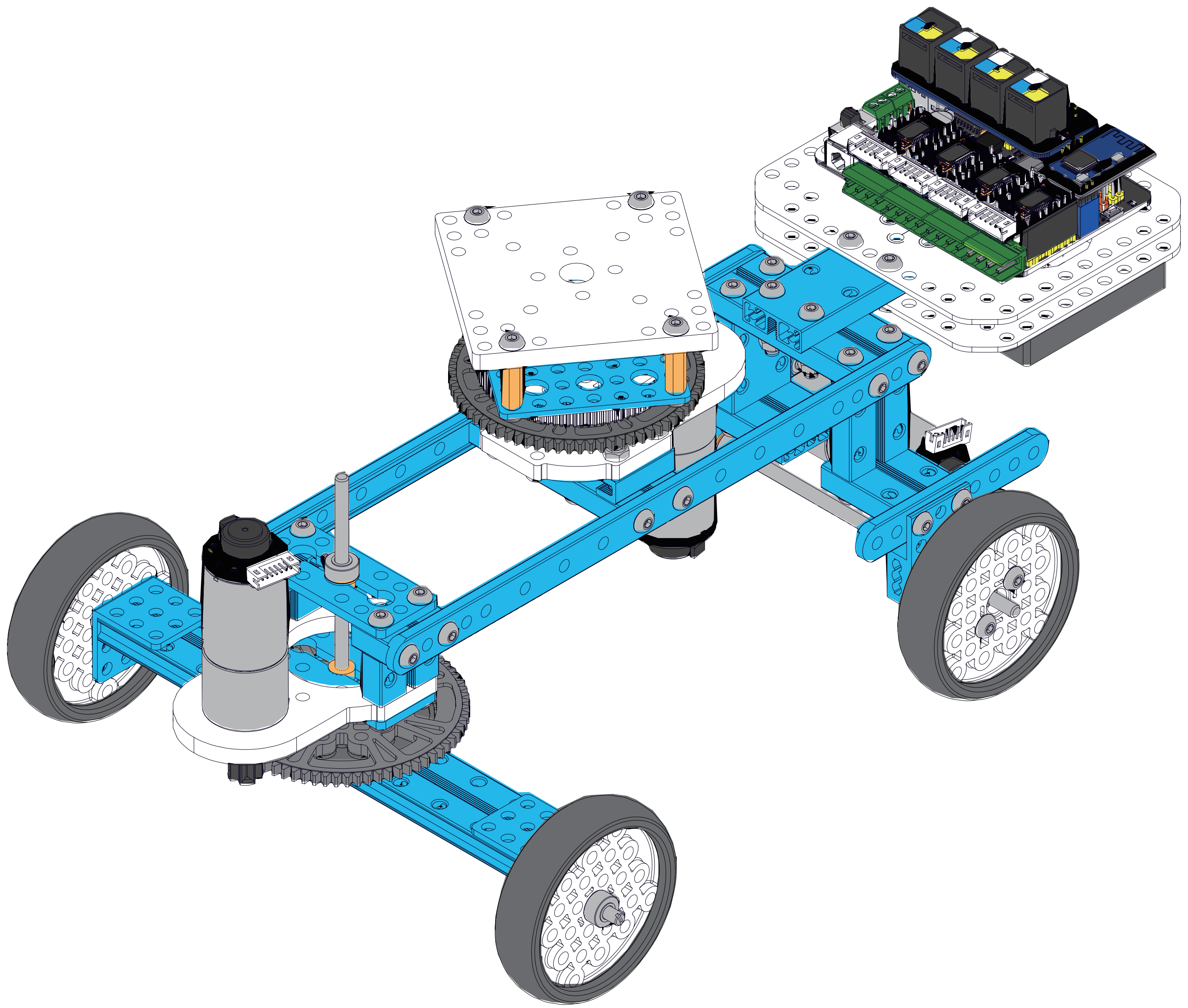
Wiring





After assembly, please skip to page 54 for software instruction.

Camera Dolly

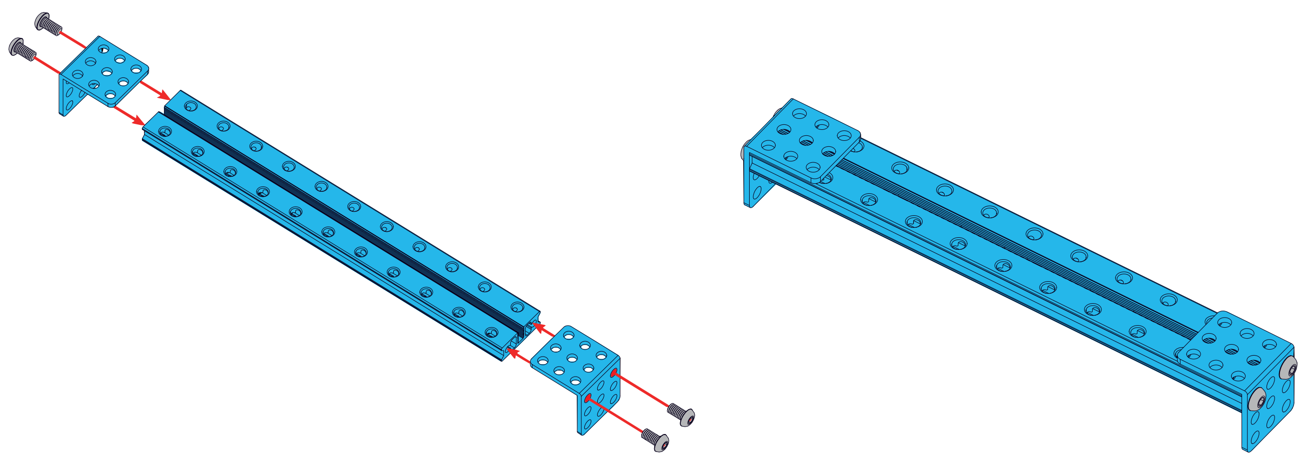


1

0824-176 (1)

Bracket 3×3 (2)

M4×8 (4)



2

90T (2)

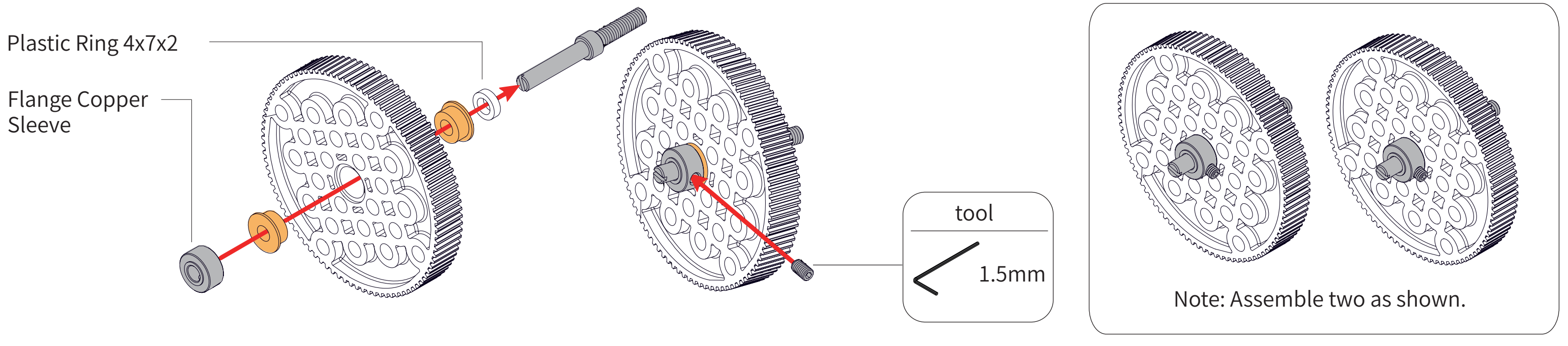
Shaft Collar (2)

4×39mm (2)

Flange Copper Sleeve (4)

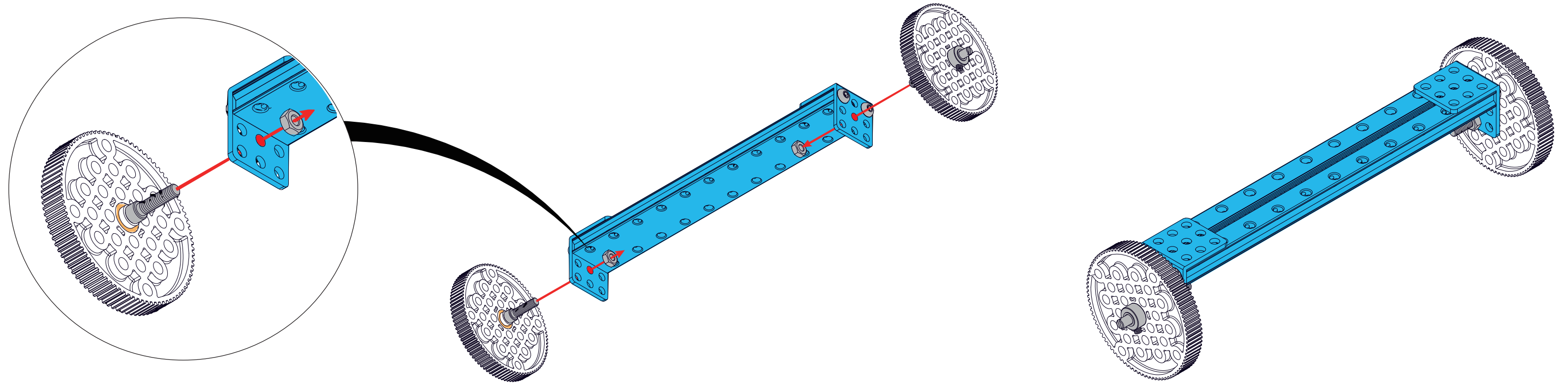
Plastic Ring 4×7×2 (2)

Headless Set Screw M3×5 (2)



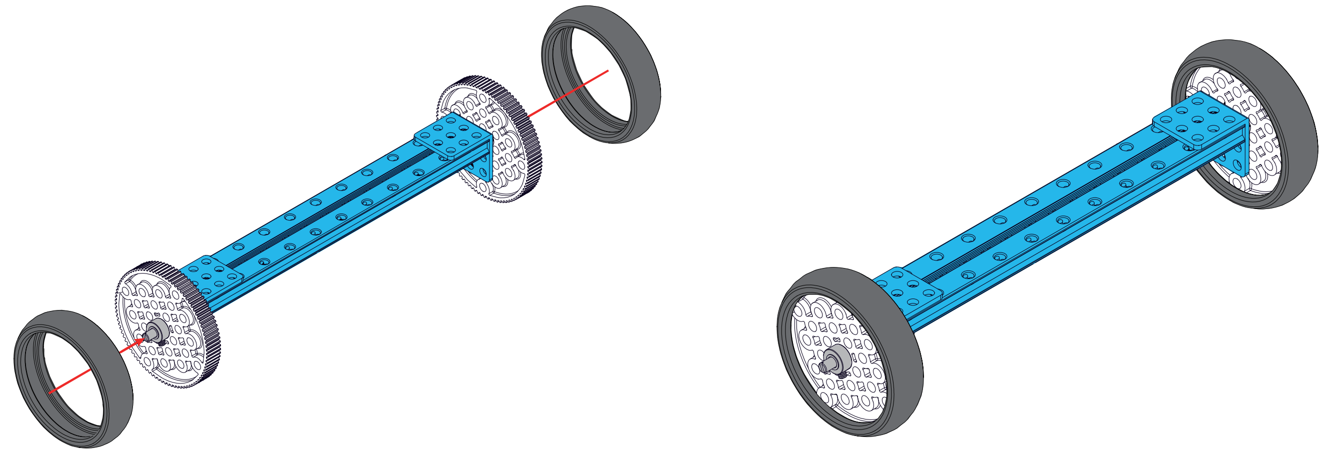
3

Nut M4 (2)



4

Tire 90T B (2)



5

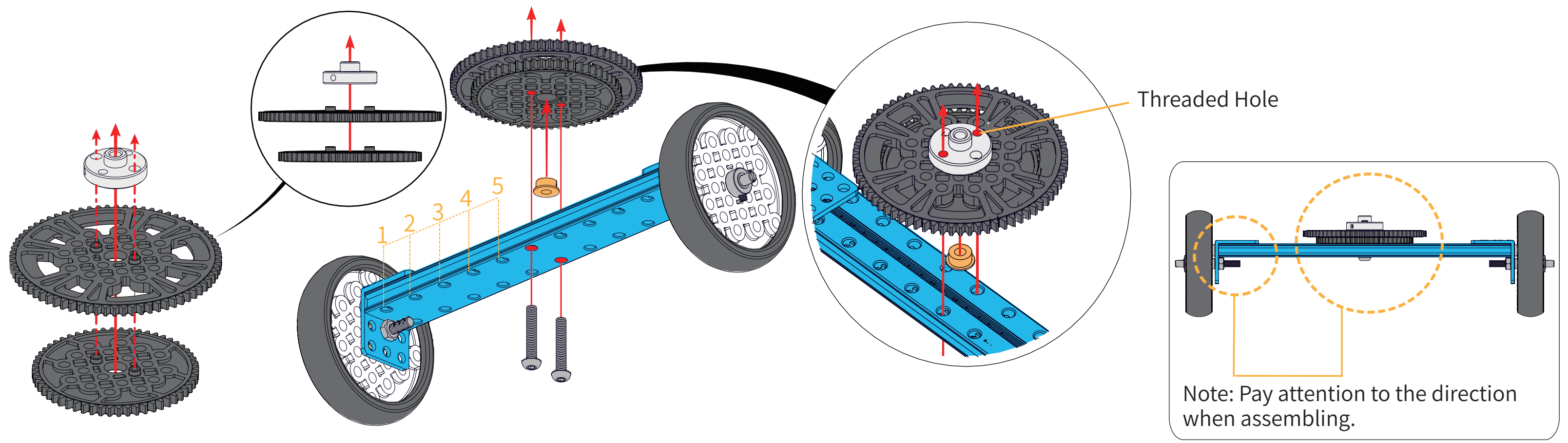
Shaft Connector 4mm (1)

Flange Copper Sleeve (1)

M4×22 (2)

56T (1)

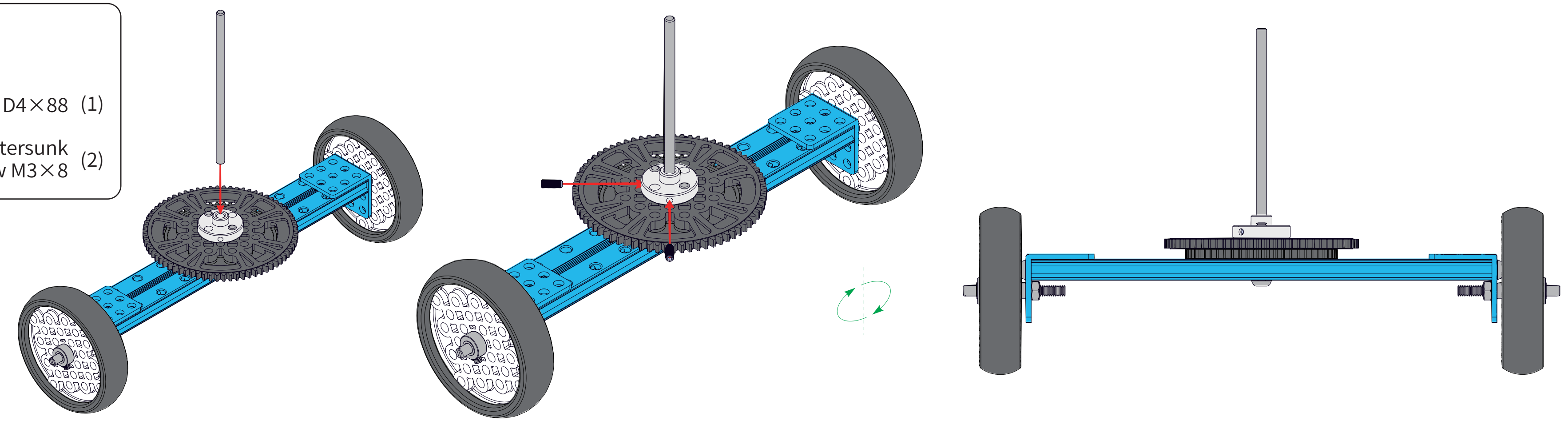
72T (1)



6

D4×88 (1)

Countersunk Screw M3×8 (2)



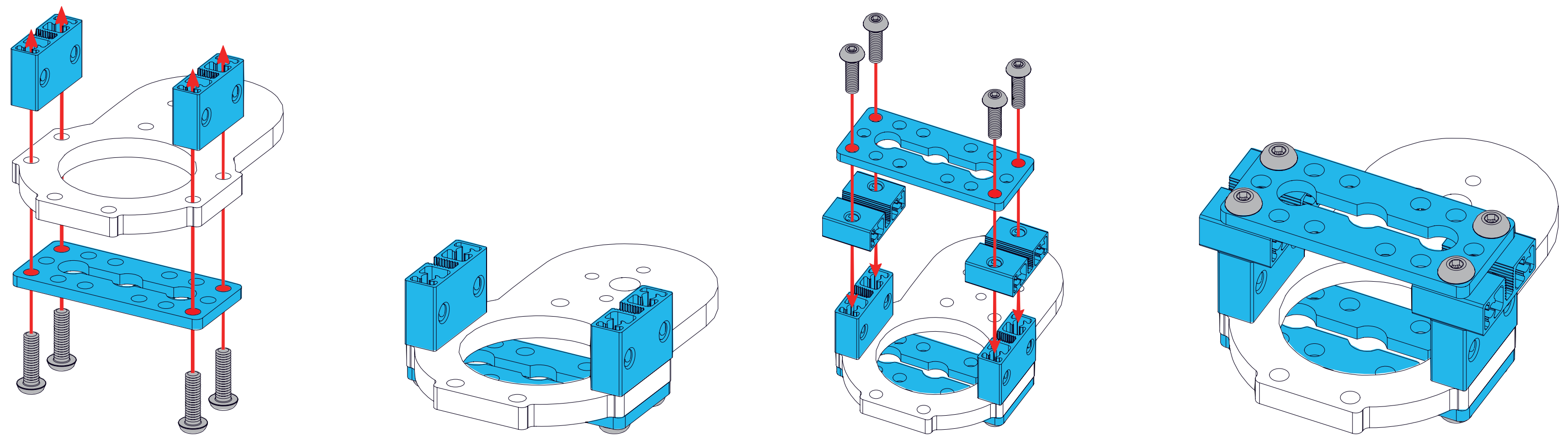
7

0824-016 (4)

0324-056 (2)

25mm Motor Bracket-72T (1)

M4×16 (8)

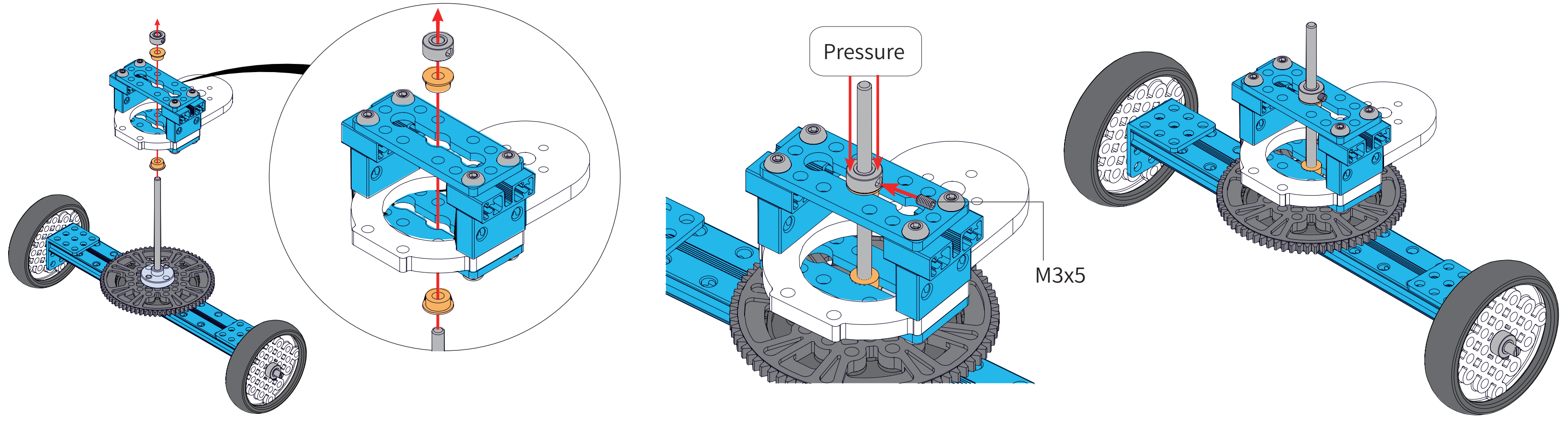


8

Shaft Collar (1)

Flange Copper Sleeve (2)

Headless Set Screw M3×5 (1)

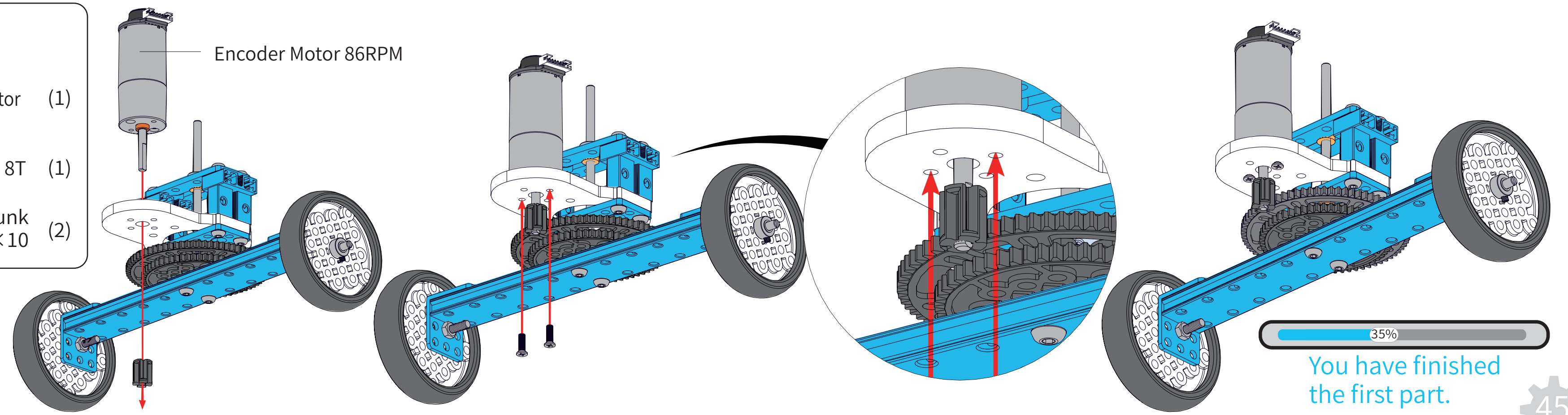


9

Encoder Motor 86RPM (1)

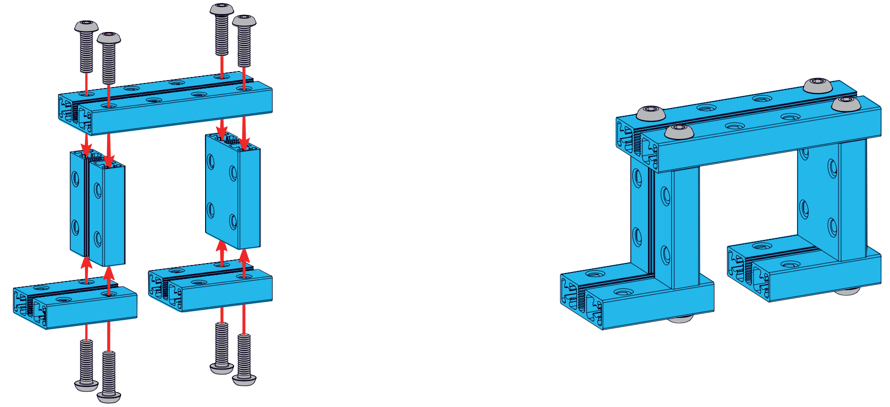
8T (1)

Countersunk Screw M3×10 (2)



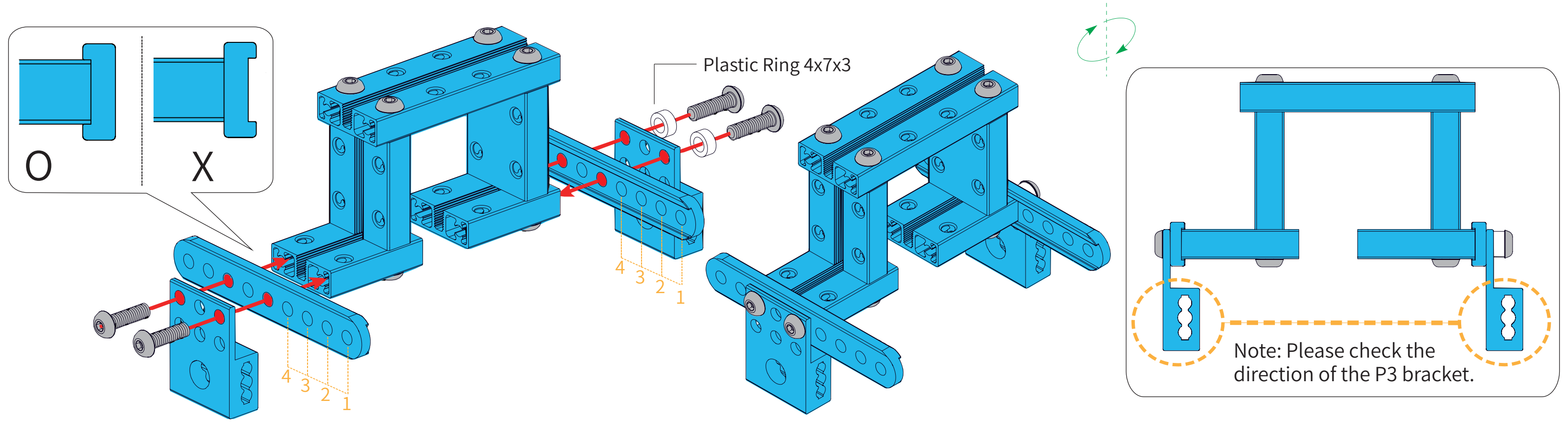
10

0824-64	(1)
0824-32	(4)
M4×14	(8)



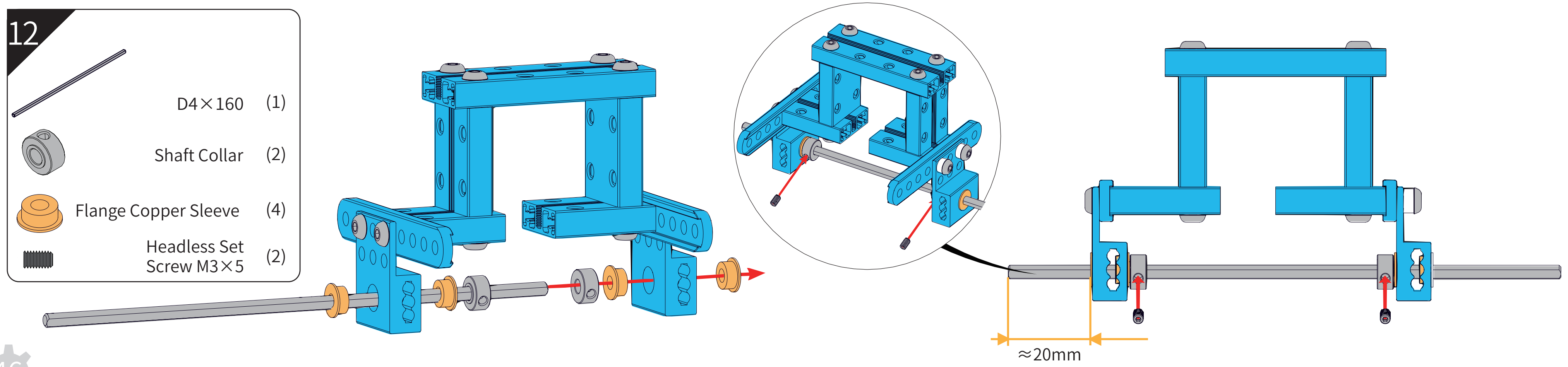
11

0412-76	(2)
P3	(2)
Plastic Ring 4×7×3	(2)
M4×14	(4)



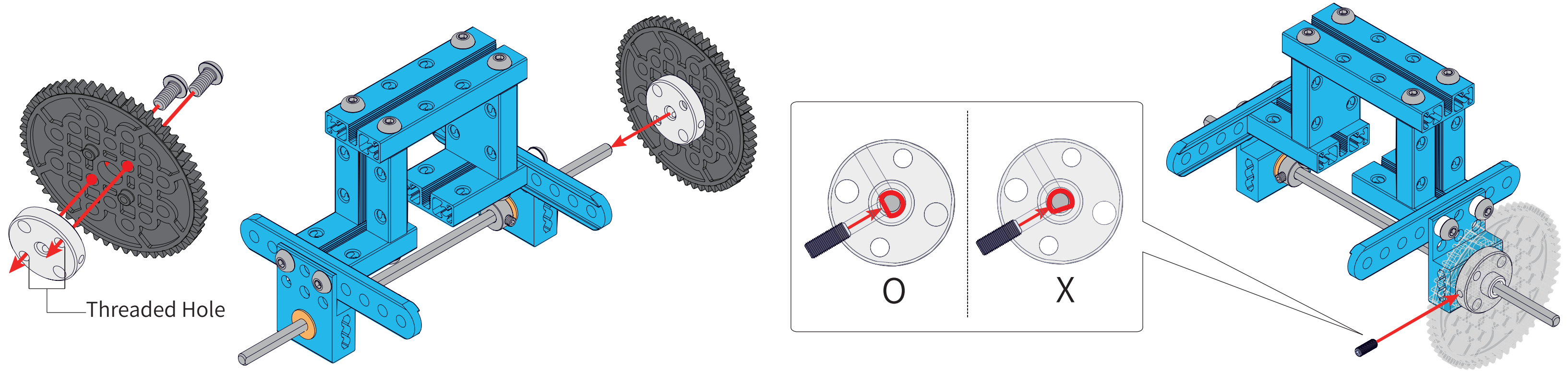
12

D4×160	(1)
Shaft Collar	(2)
Flange Copper Sleeve	(4)
Headless Set Screw M3×5	(2)



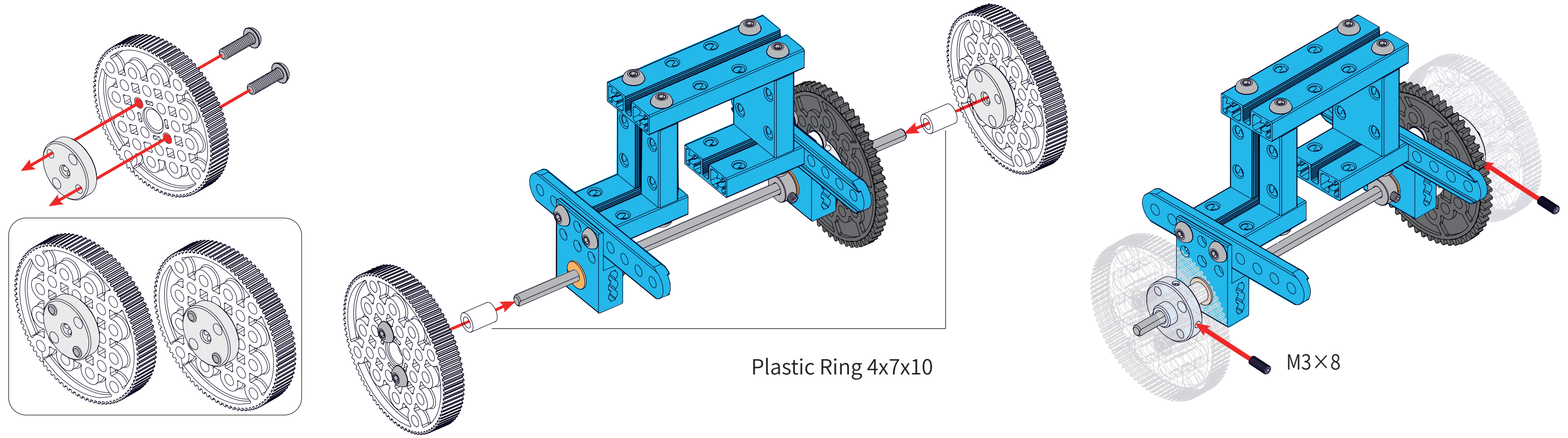
13

Shaft Connector 4mm	(1)
56T	(1)
Headless Set Screw M3×8	(1)
M4×8	(2)



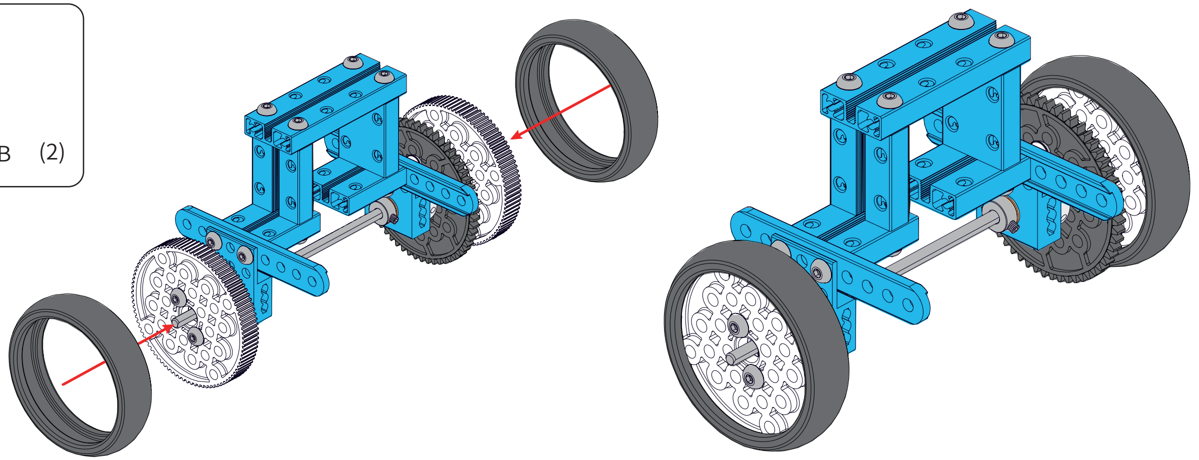
14

90T	(2)
Shaft Connector 4mm	(2)
Plastic Ring 4x7x10	(2)
M4×14	(4)
Headless Set Screw M3×8	(2)



15

Tire 90T B	(2)



60%

Now take a look at the cool things you have built.