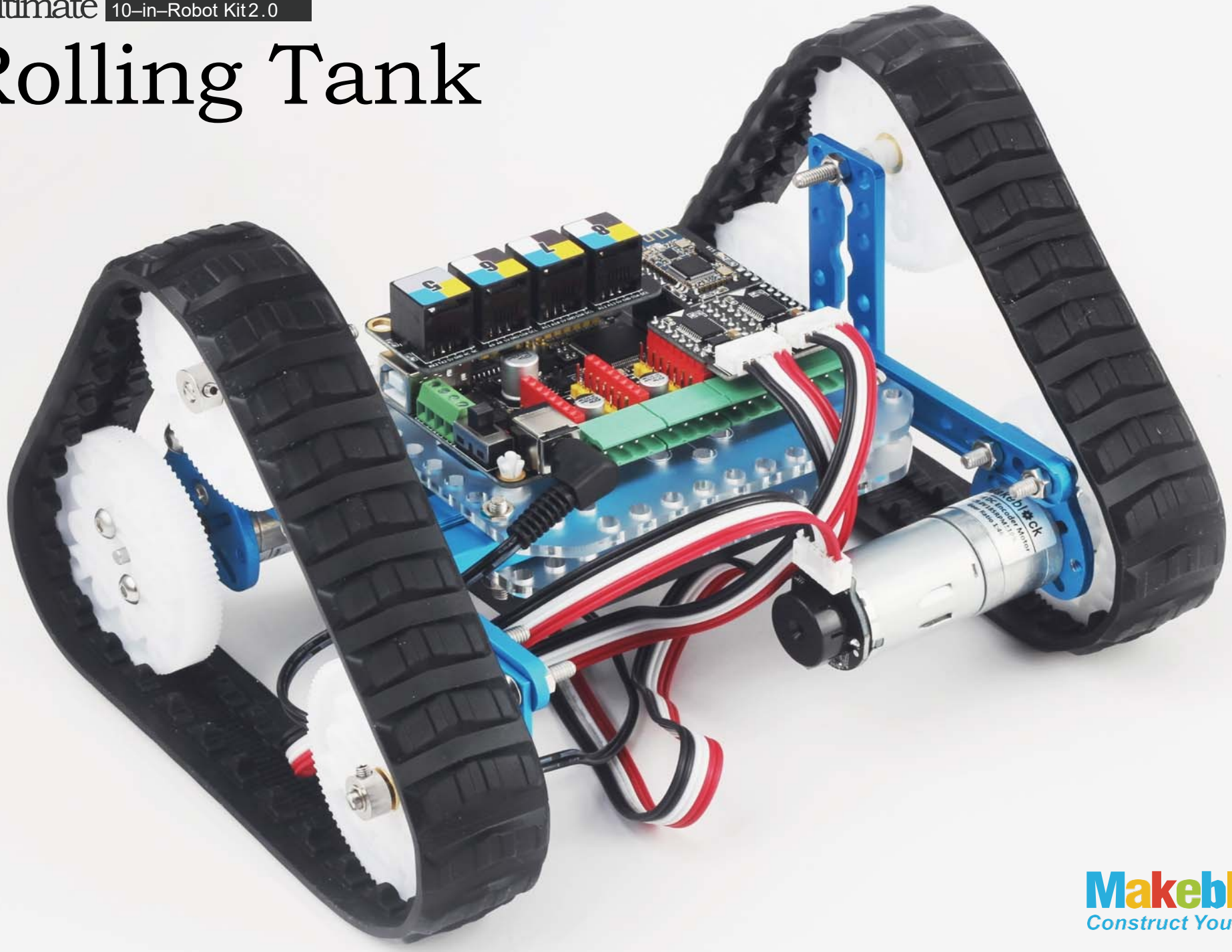
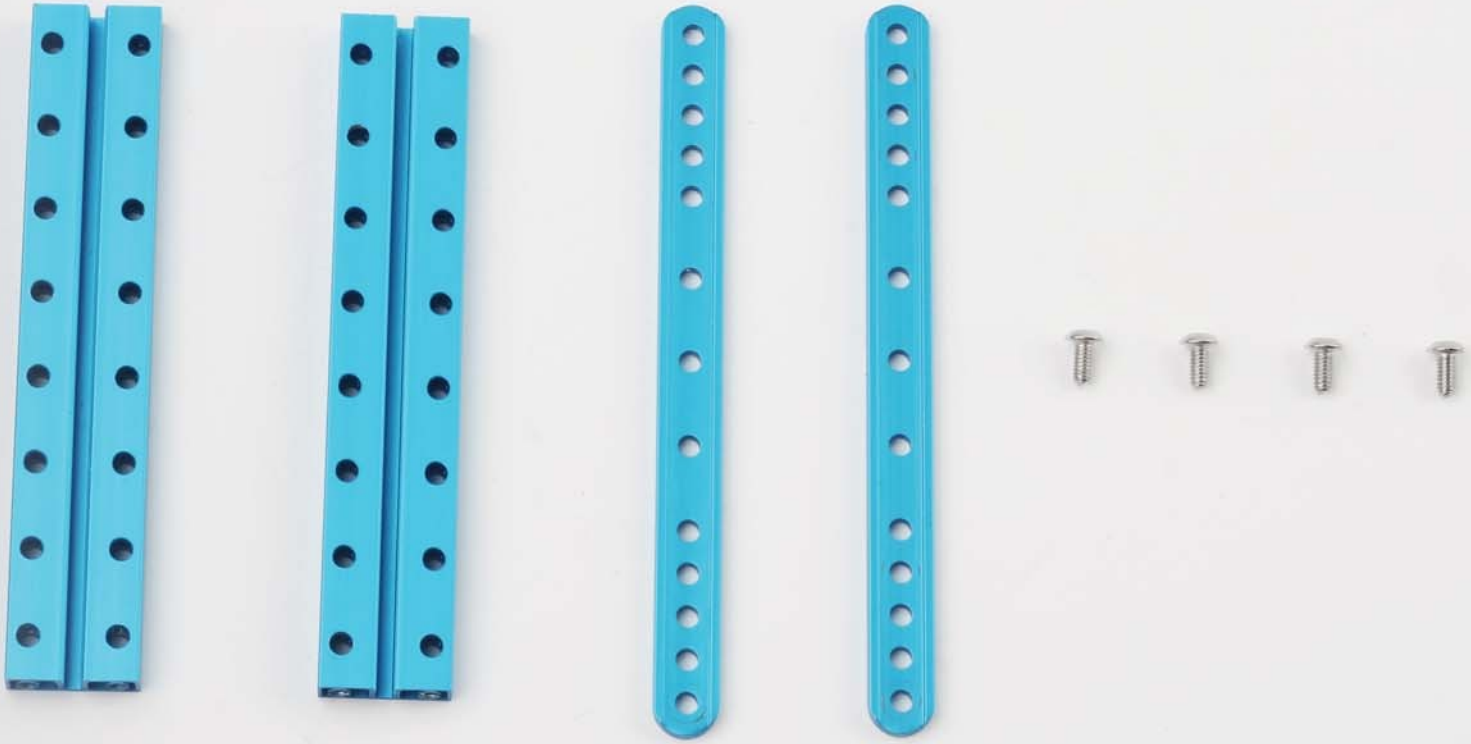
Ultimate 10–in–Robot Kit 2.0

Rolling Tank

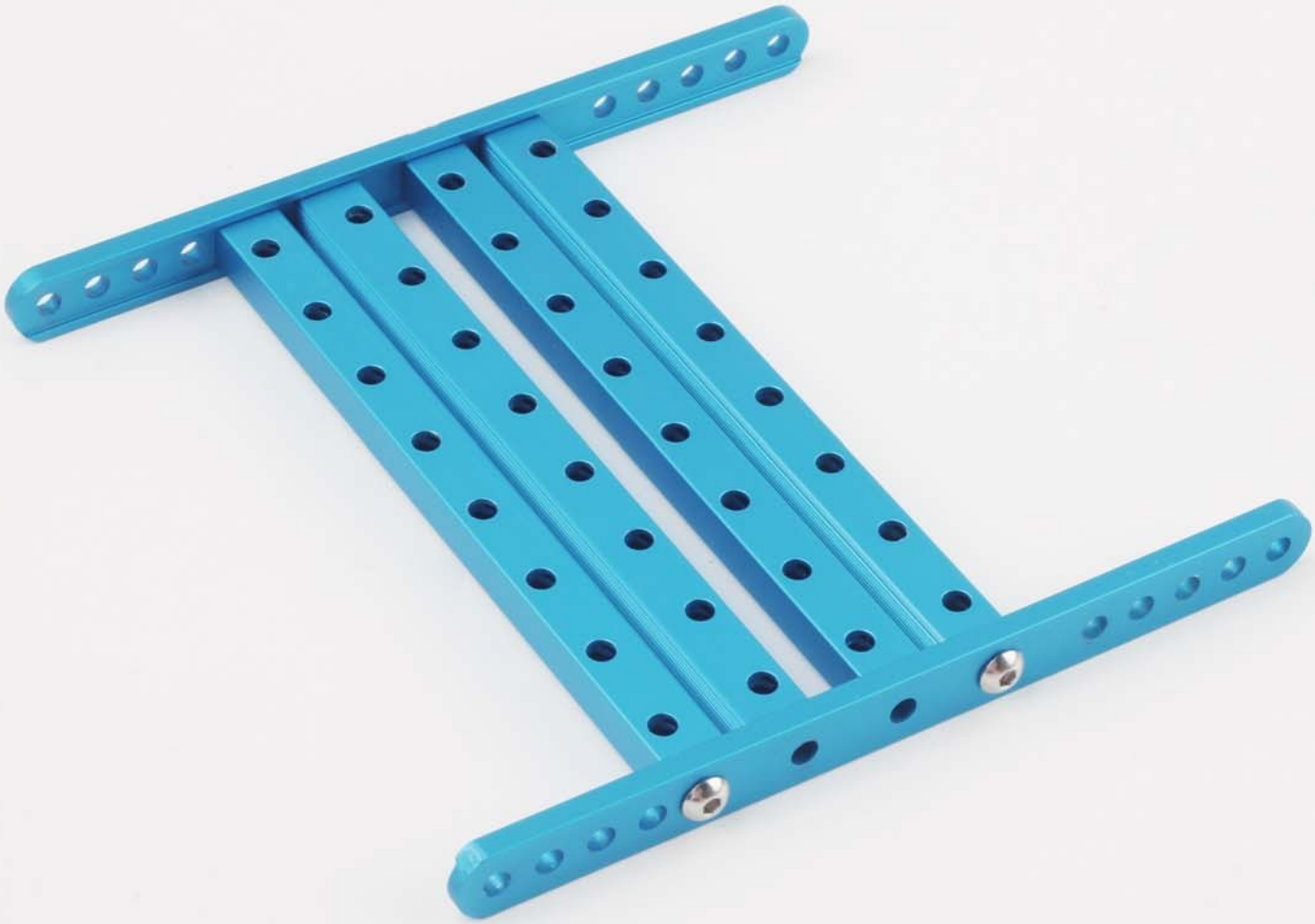


Makeblock
Construct Your Dreams

Beam0824-128 *2)
Beam0412-140 *2)
Screw M4*8 *4)

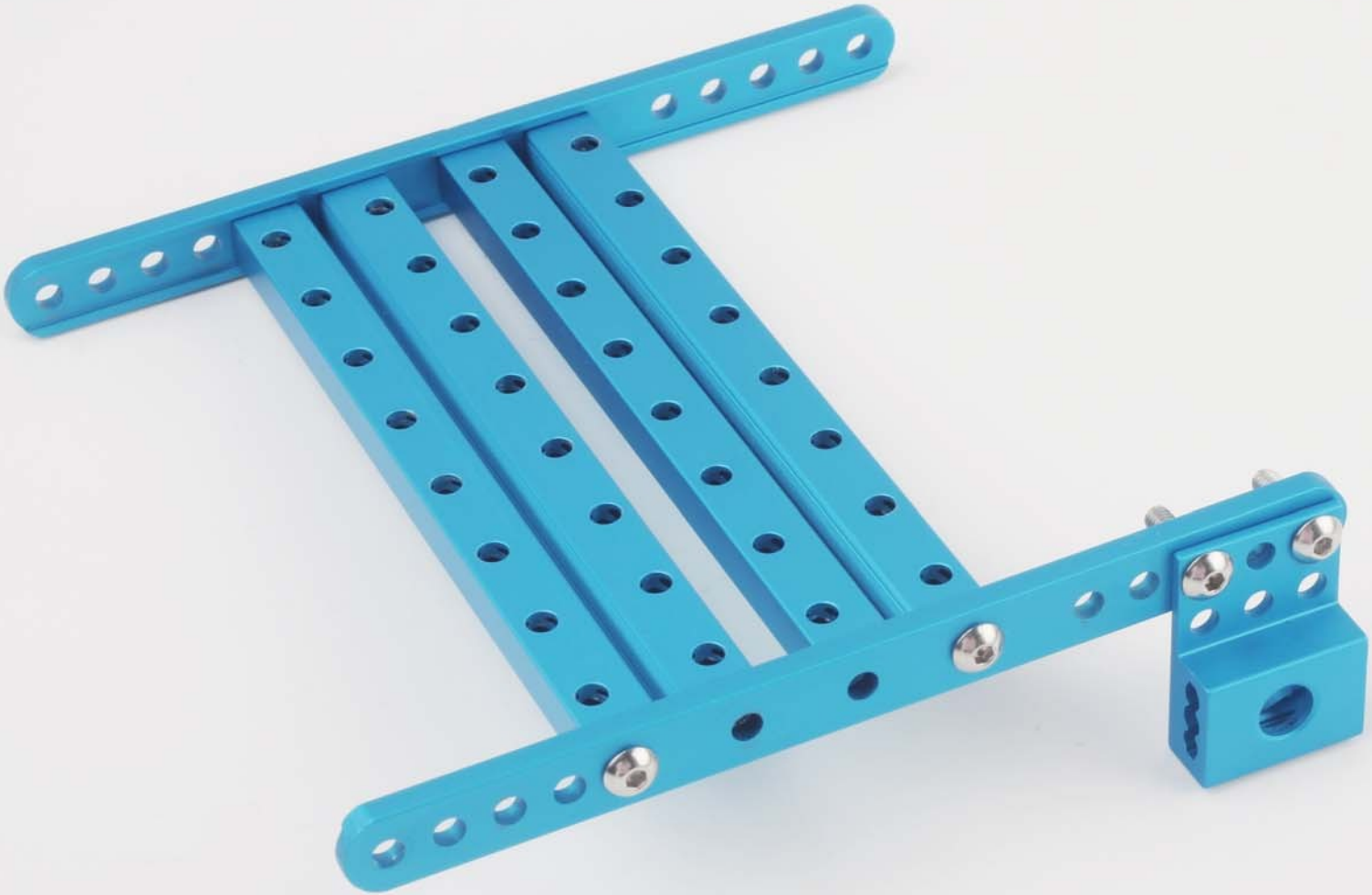


⚠ Note: pay attention to the alignment of holes

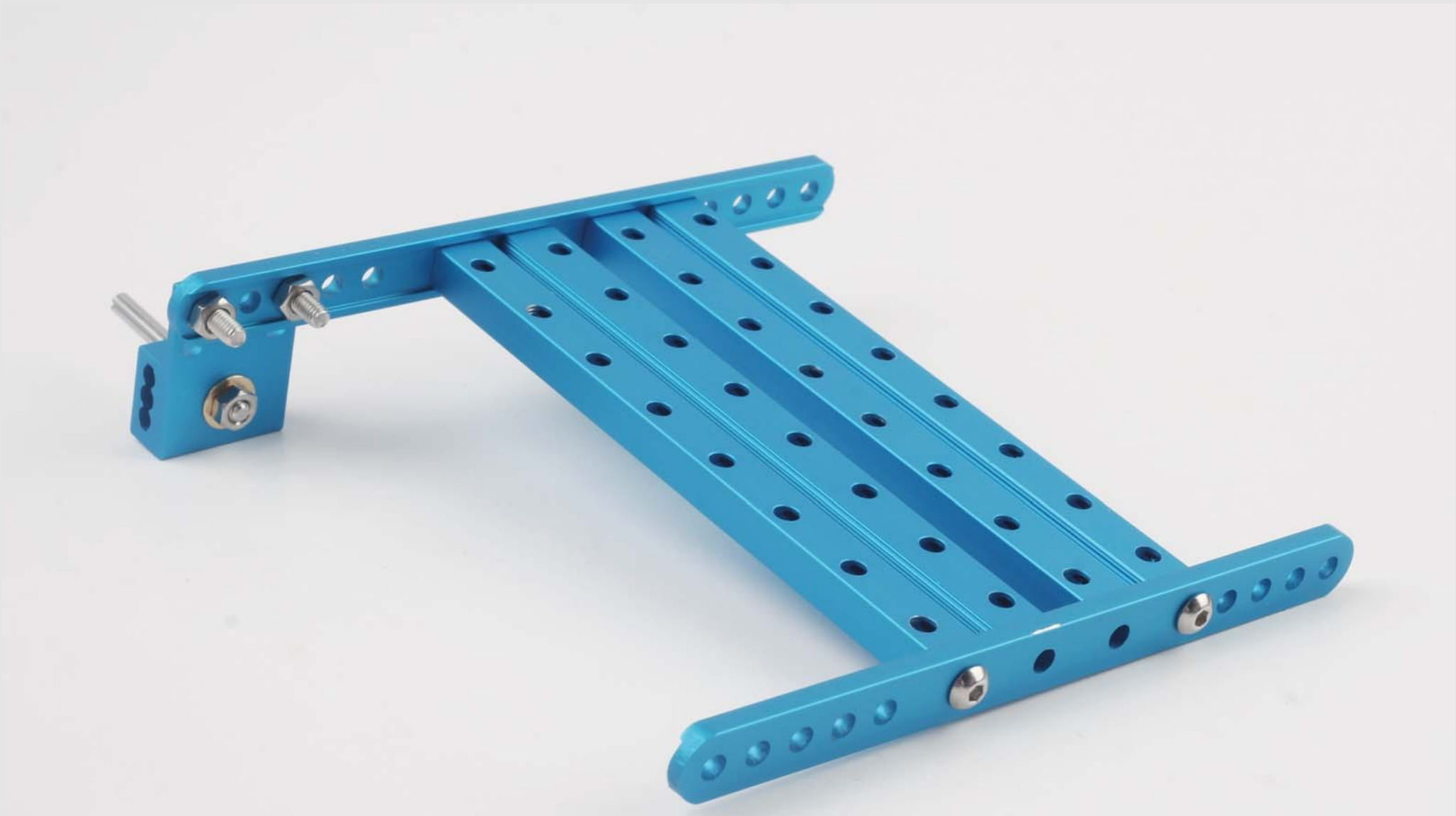


Bracket P3 *1)
Screw M4*14 *2)
Nut M4 *2)

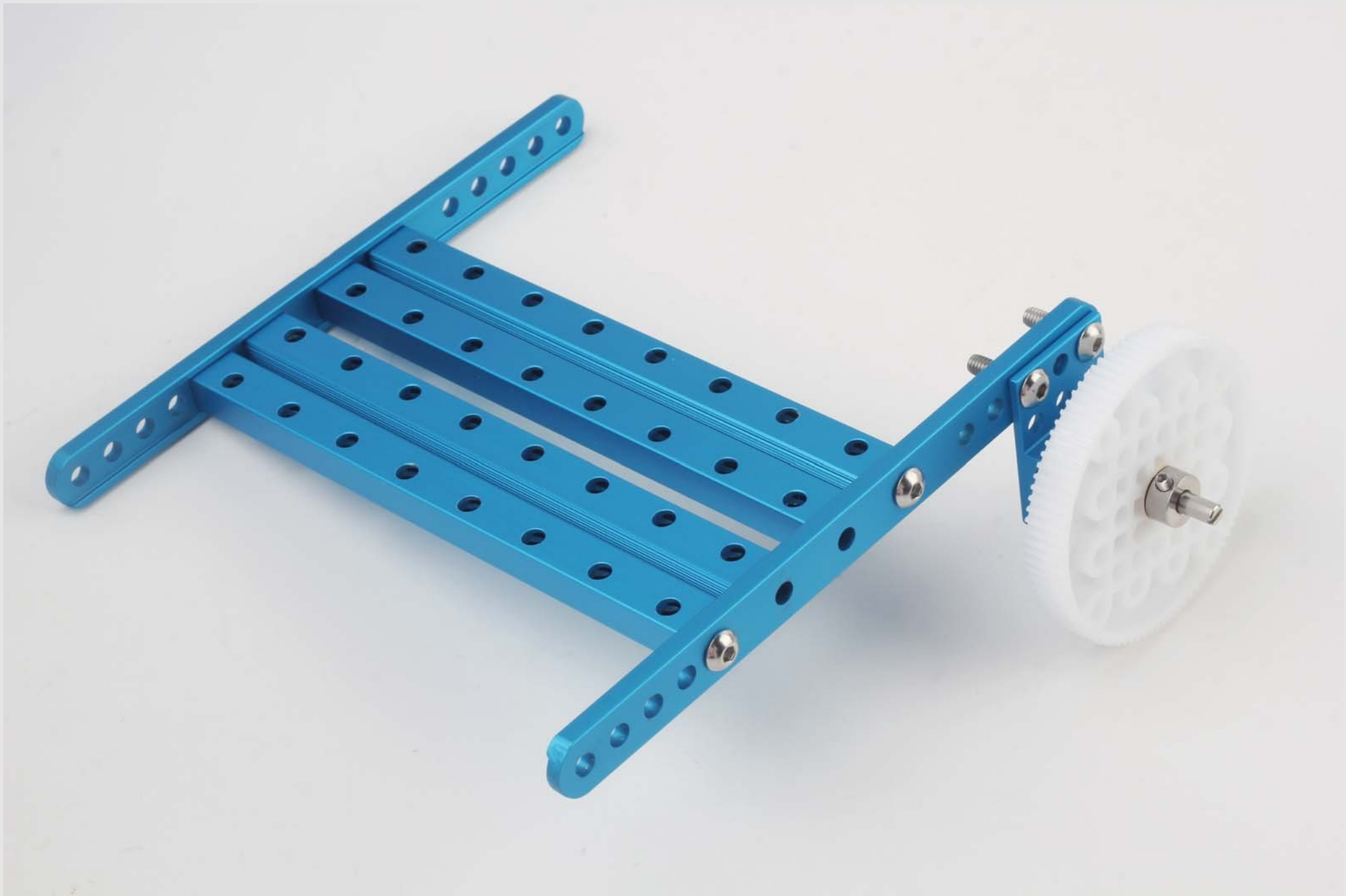
⚠ Note: pay attention to the alignment of holes



Threaded shaft 4mm *39 *1)
Flange copper sleeve 4*8*4mm *2)
Nut M4 *1)



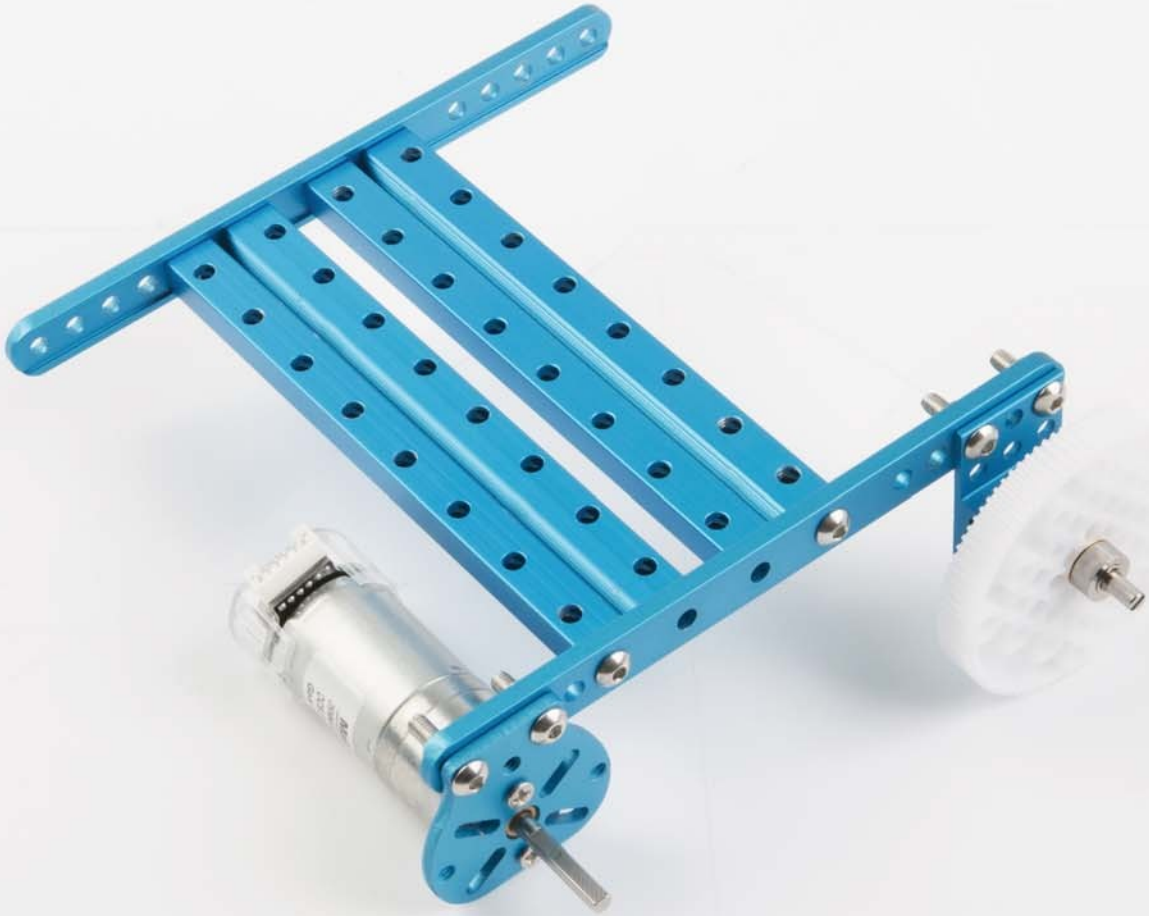
Plastic timing pulley 90T *1)
Flange copper sleeve 4*8*4mm *2)
Shaft collar 4mm *1)
Headless set screw M3*5 *1)



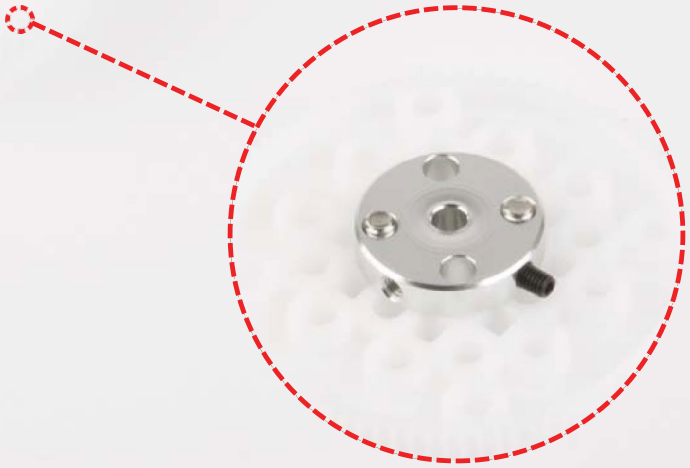
25mm encode motor 9V/185RPM *1
25mm DC motor bracket *1
Countersunk screw M3*8 *2

⚠ Note: pay attention to motor tail orientation and screw mounting hole position

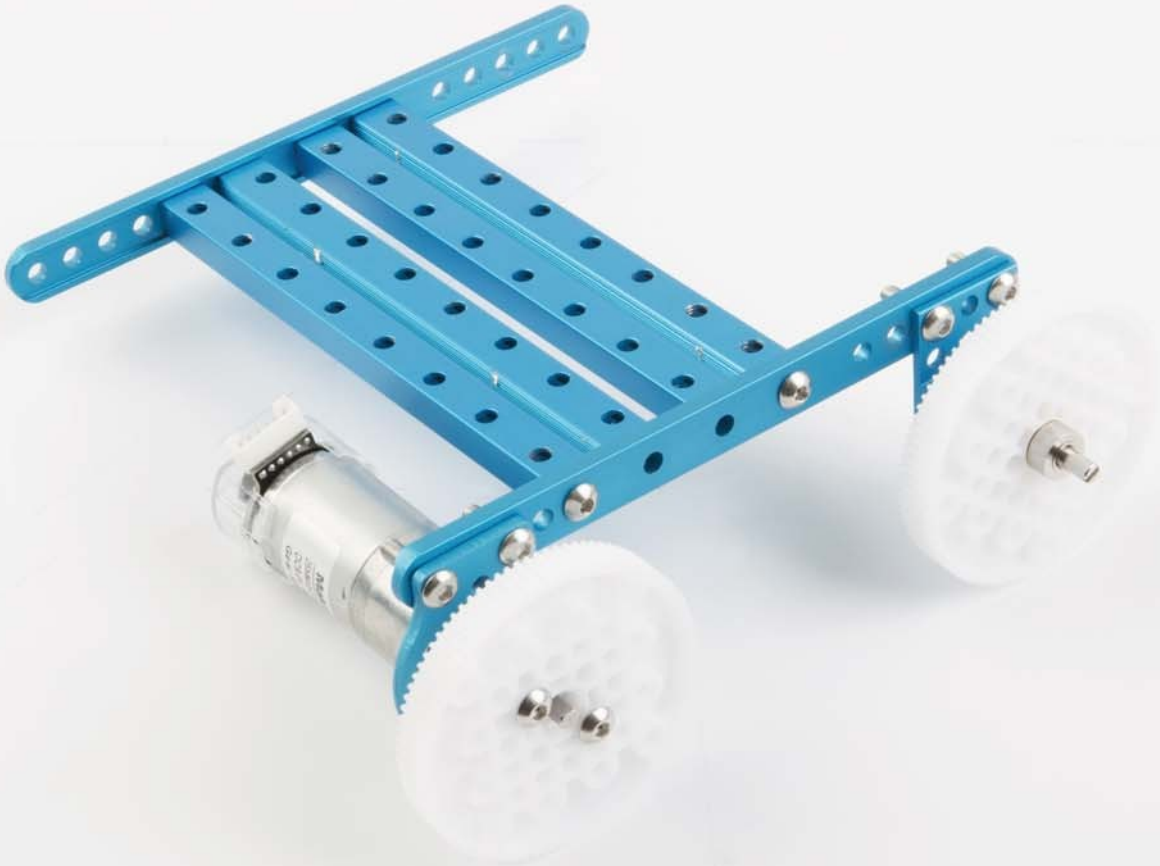
motor part built in last step *1
Screw M4*14 *2
Nut M4 *2



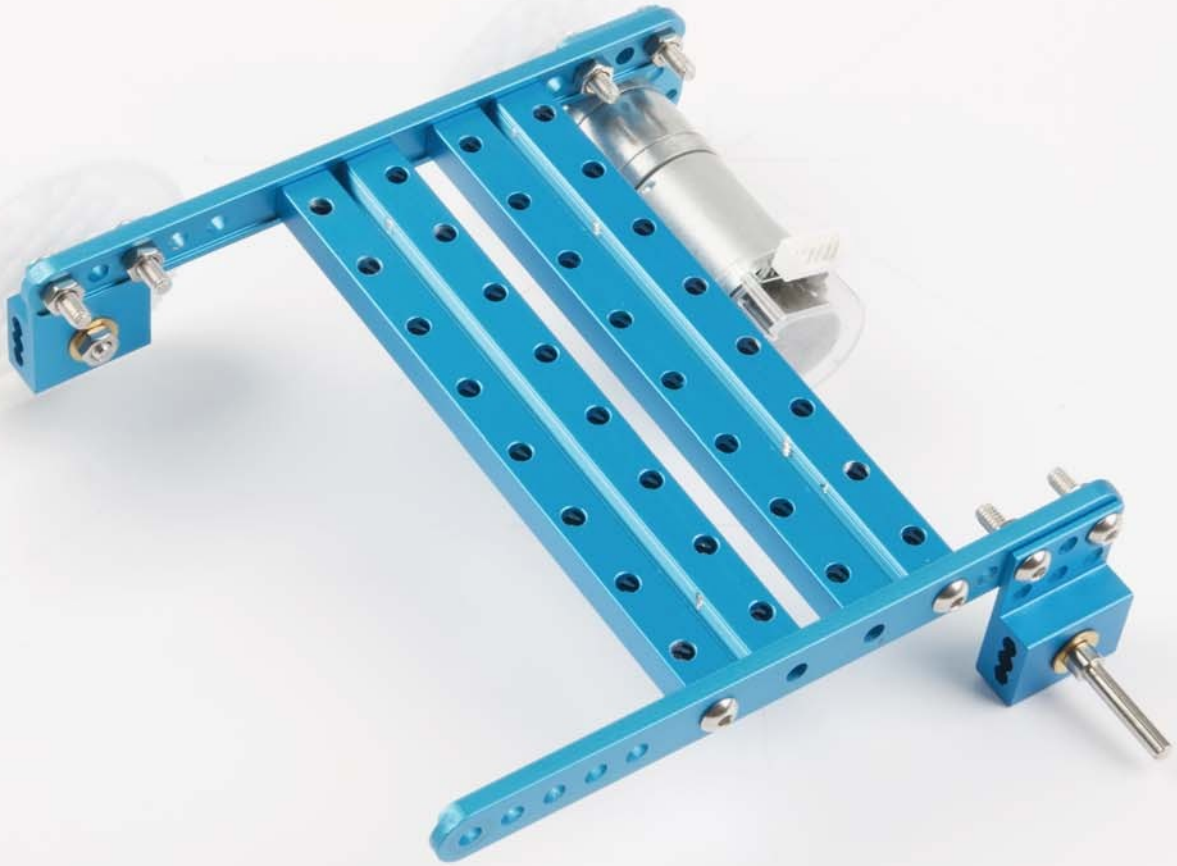
Plastic timing pulley 90T *1)
Shaft connector 4mm *1)
Screw M4*14 *2)
Headless set screw M3*8 *1)



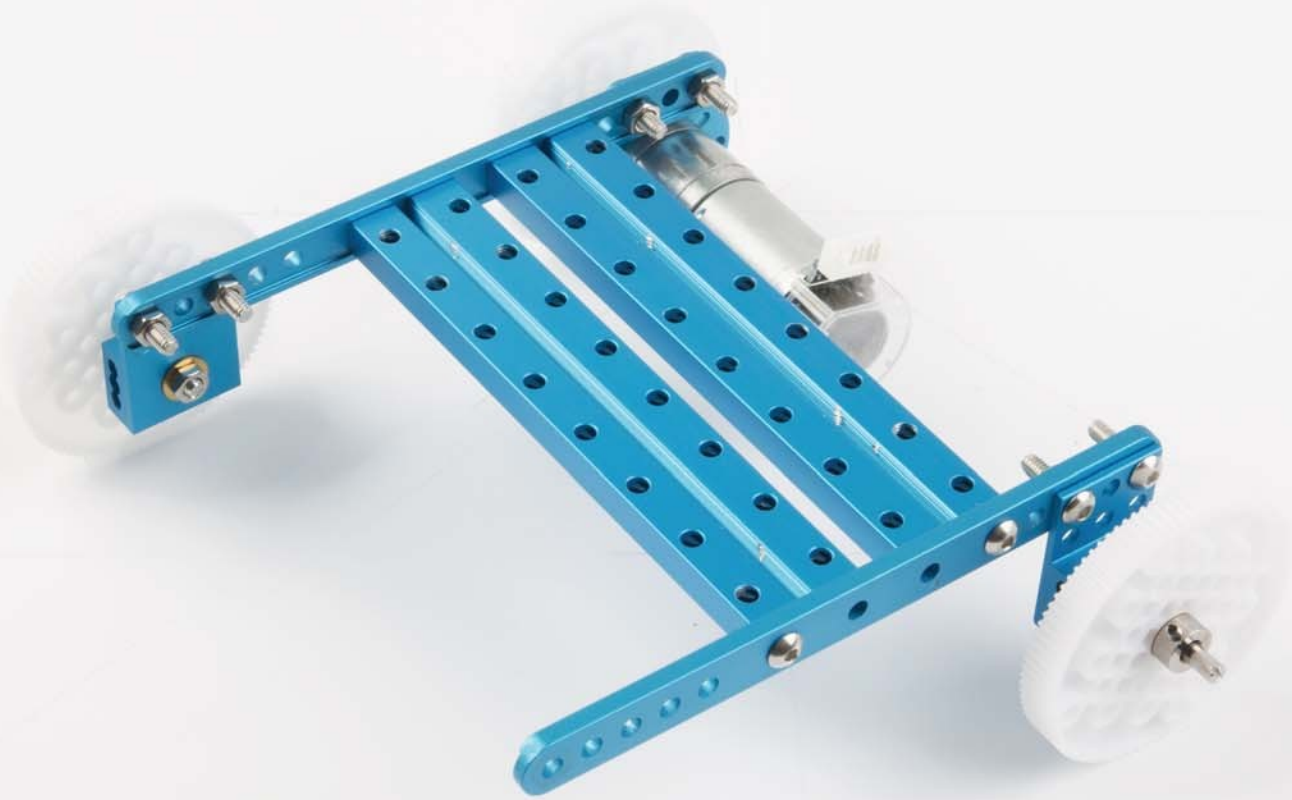
⚠ Note: pay attention to the headless screw locks the D-face fastening drive retaining disc



bracket P3 *1)
Screw M4*14 *2)
Nut M4 *2)
Threaded shaft 4mm*39 *1)
Flange copper sleeve 4*8*4mm *2)
Nut M4 *1)



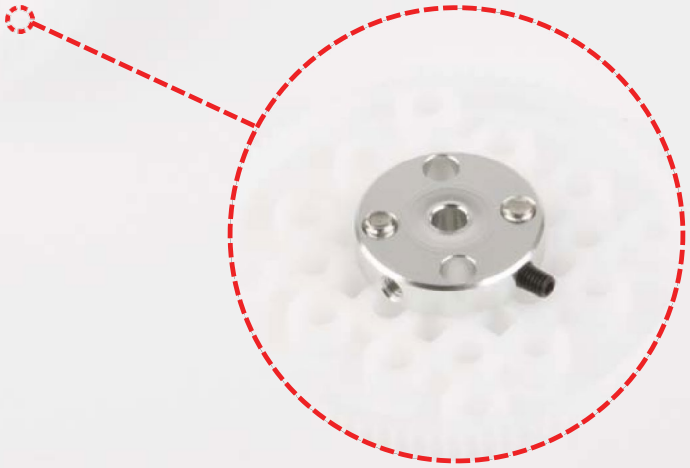
Plastic timing pulley 90T *1)
Flange copper sleeve 4*8*4mm *2)
Shaft collar 4mm *1)
Headless set screw M3*5 *1)



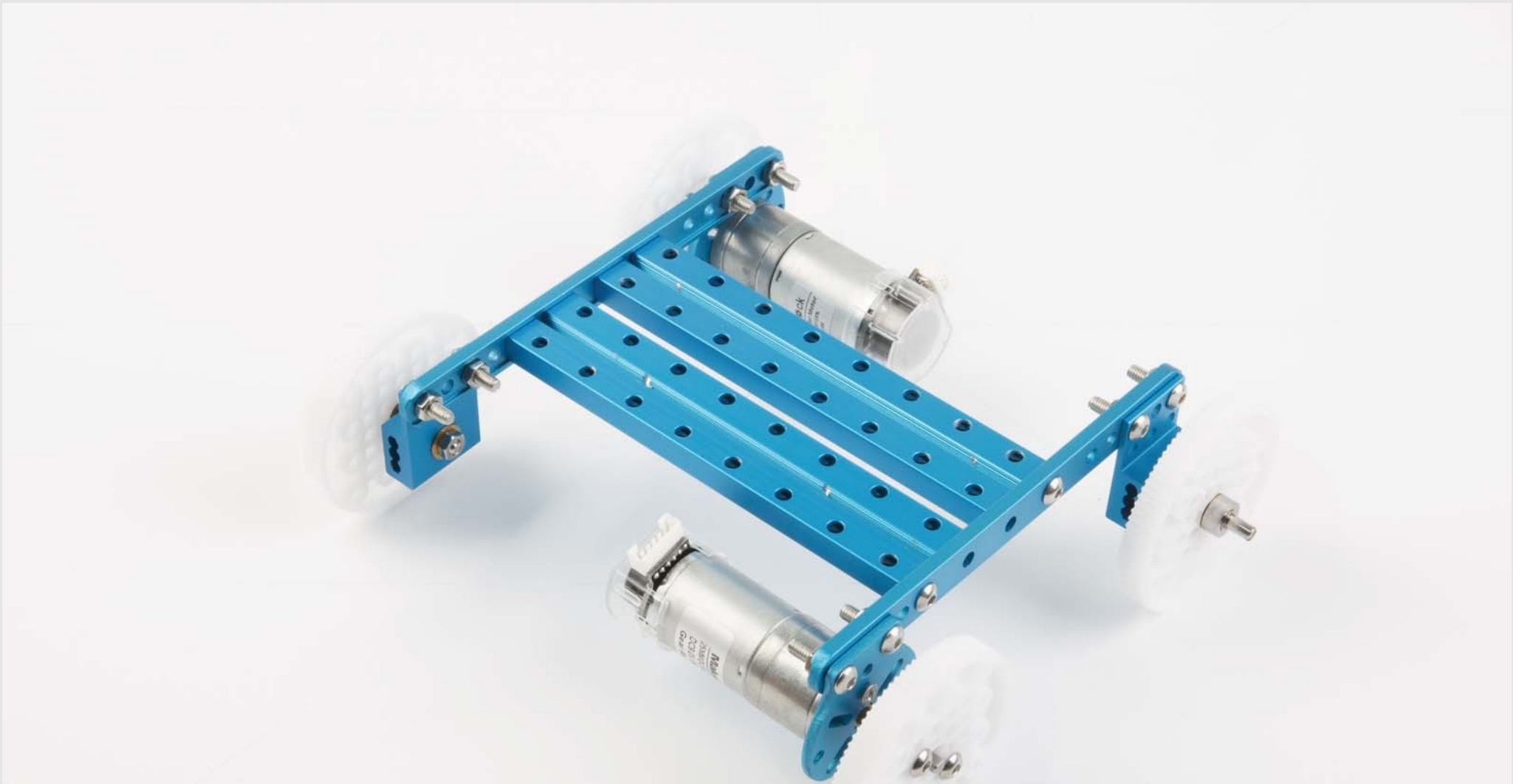
25mm encode motor 9V/185RPM *1)
25mm DC motor bracket *1)
Countersunk screw M3*8 *2

⚠ Note: pay attention to motor tail orientation and screw mounting hole position

Plastic timing pulley 90T *1)
Shsft connector 4mm *1)
Screw M4*14 *2)
Headless set screw M3*8 *1)

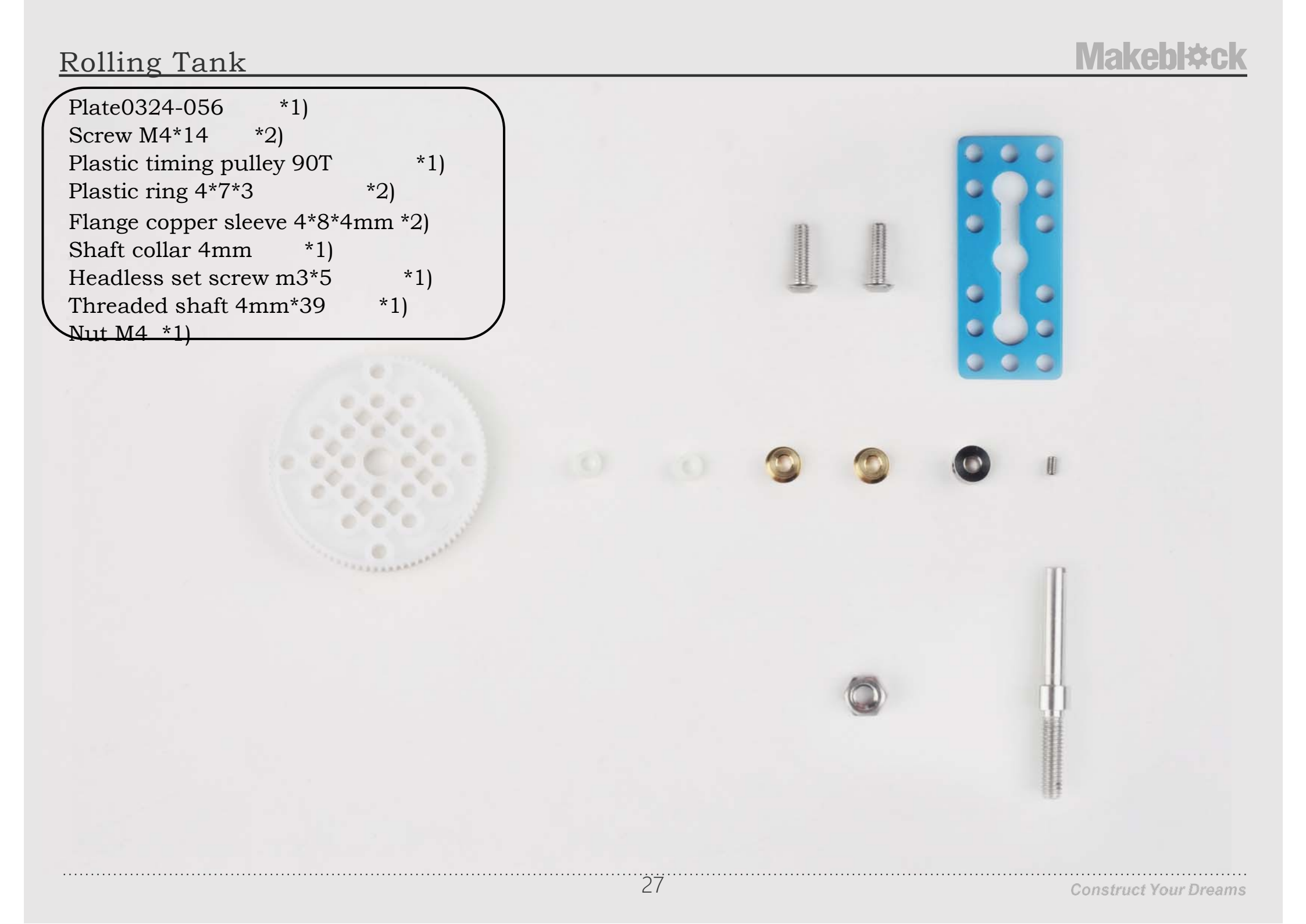


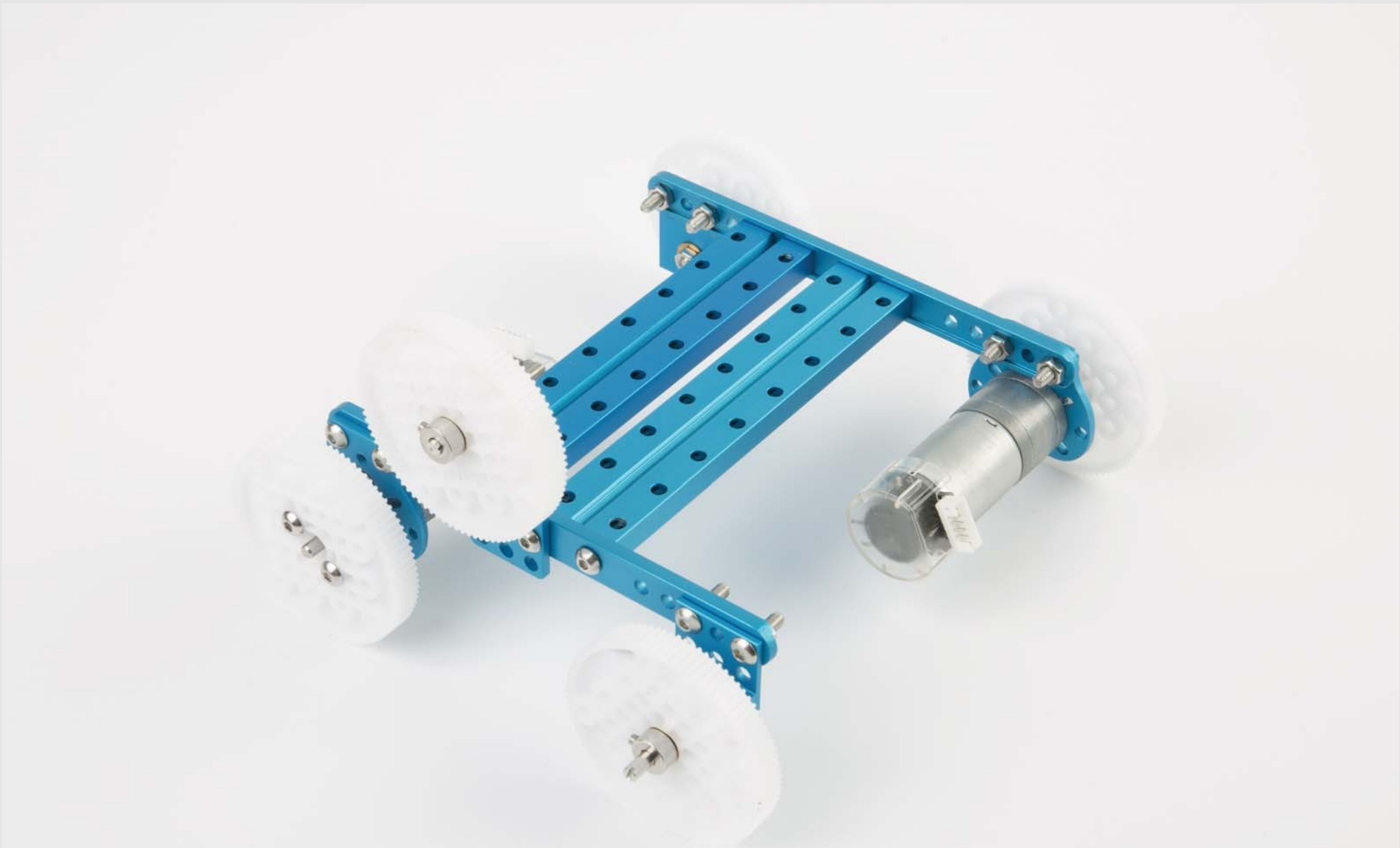
Motor part built in last step *1)
Wheel part built in previous steps *1)
Screw M4*14 *2)
Nut M4 *2)



⚠ 50% complete with setup

Plate0324-056 *1)
Screw M4*14 *2)
Plastic timing pulley 90T *1)
Plastic ring 4*7*3 *2)
Flange copper sleeve 4*8*4mm *2)
Shaft collar 4mm *1)
Headless set screw m3*5 *1)
Threaded shaft 4mm*39 *1)
Nut M4 *1)





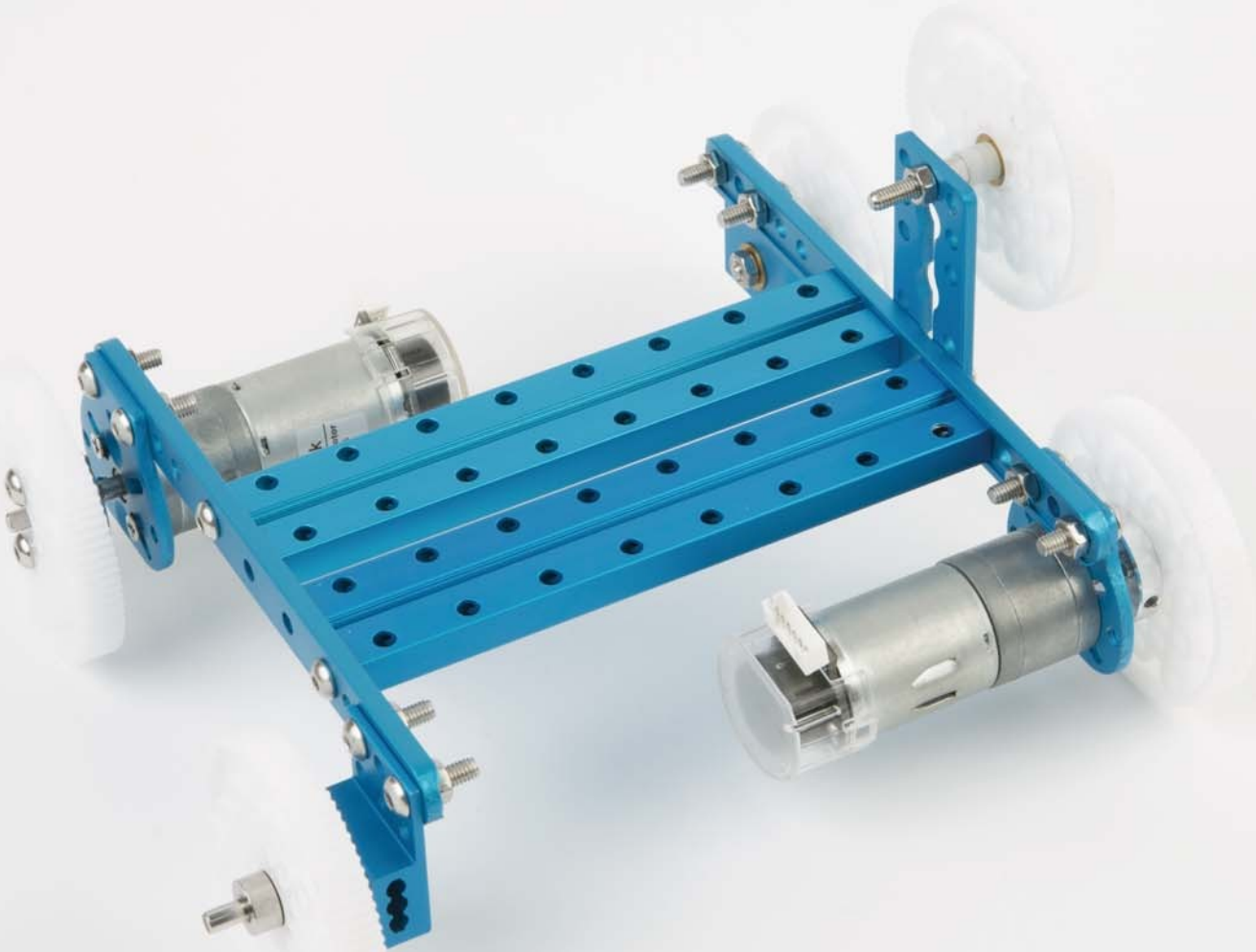
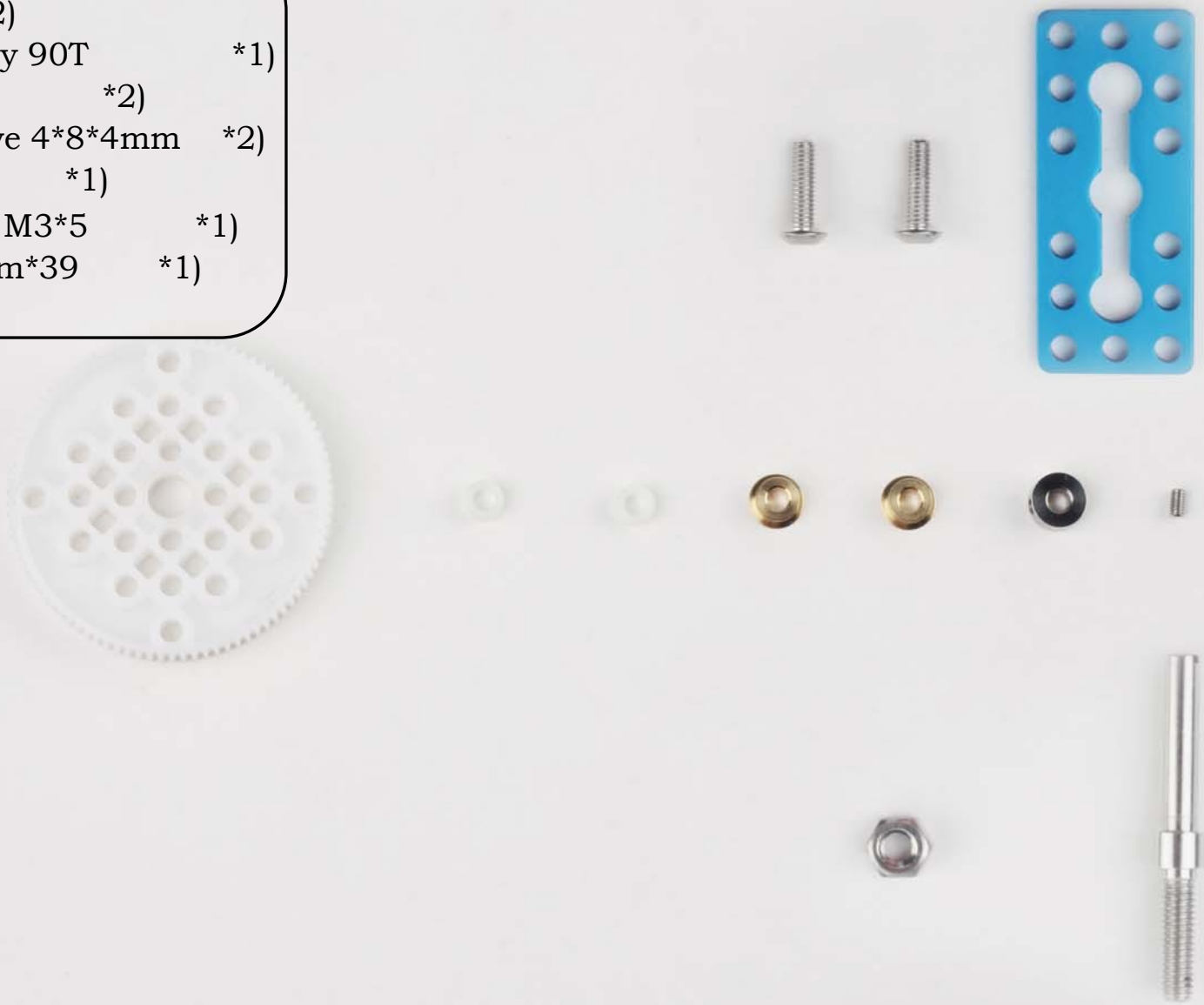
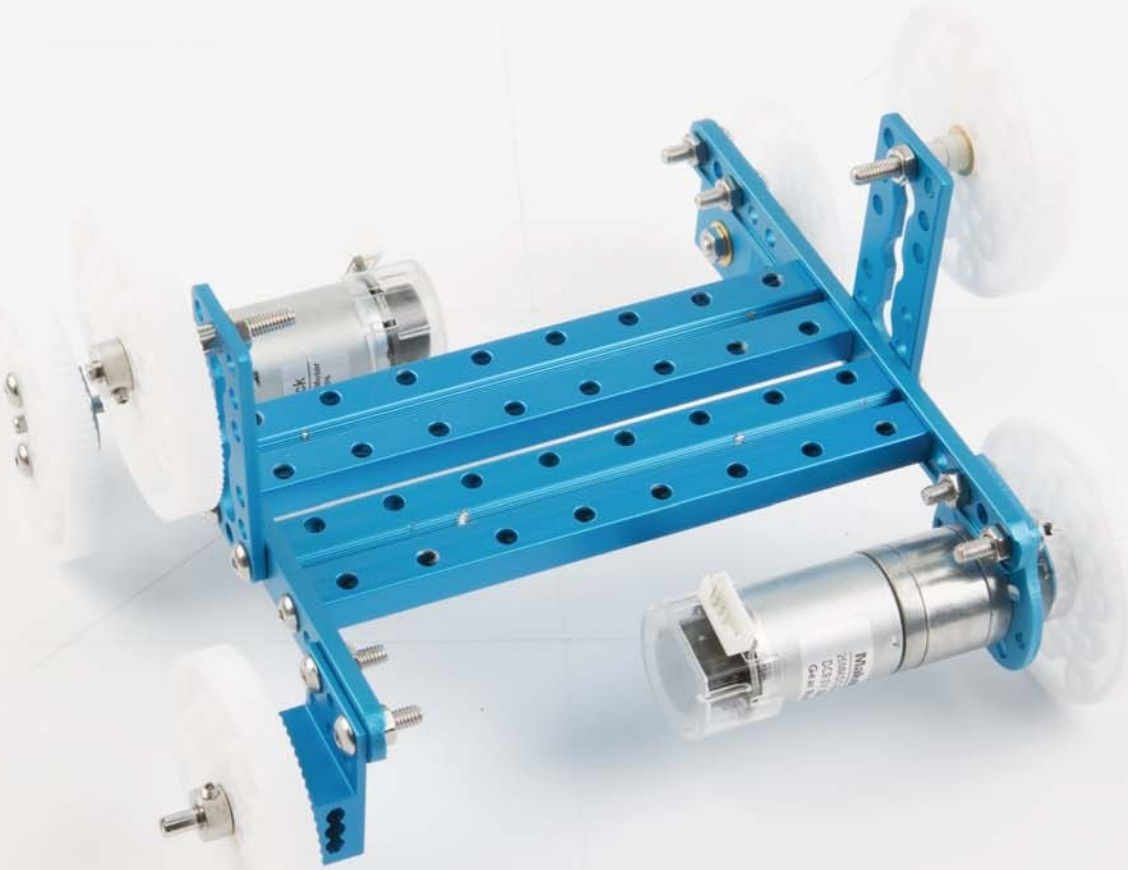
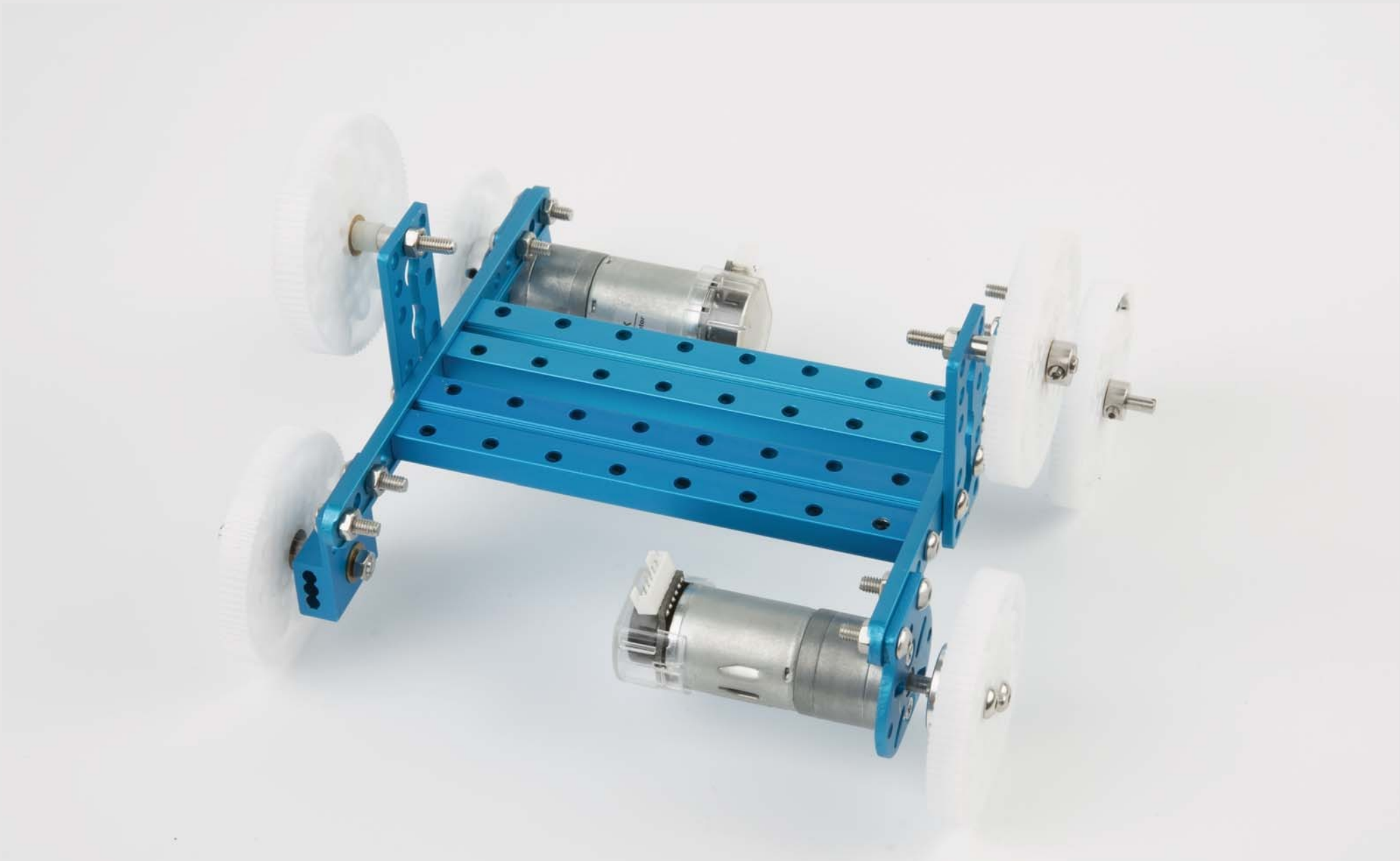


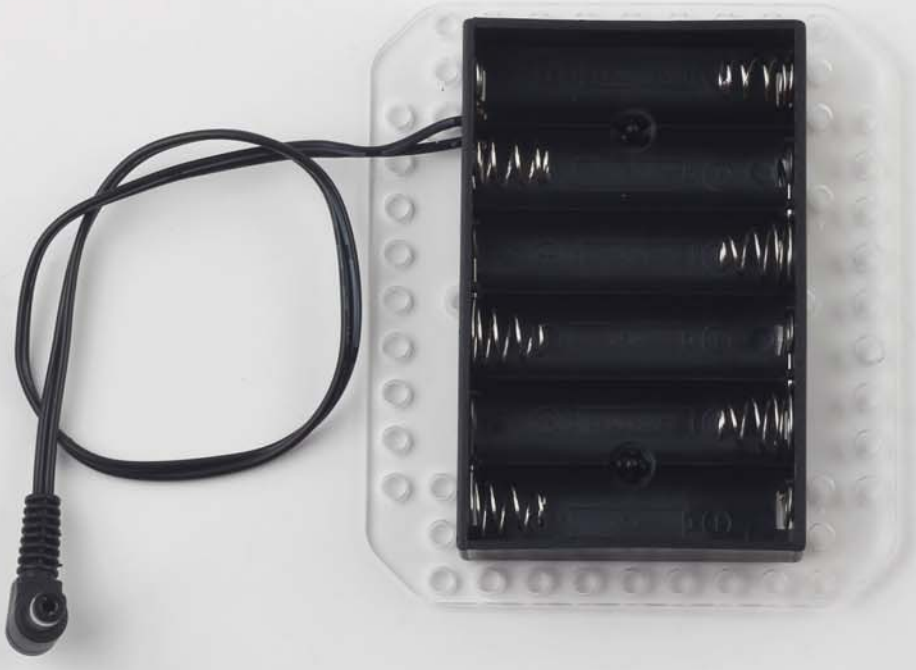
Plate0324-056 *1)
Screw M4*14 *2)
Plastic timing pulley 90T *1)
Plastic ring 4*7*3 *2)
Flange copper sleeve 4*8*4mm *2)
Shaft collar 4mm *1)
Headless set screw M3*5 *1)
Threaded shaft 4mm*39 *1)
Nut M4 *1)





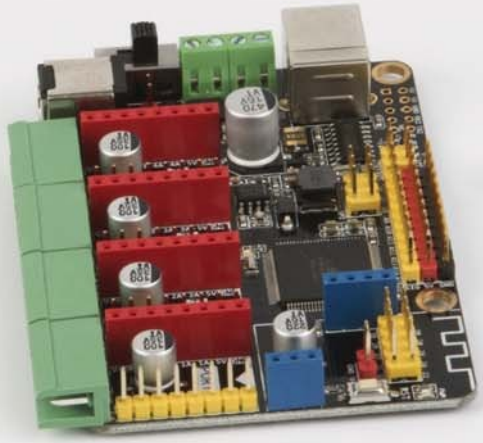


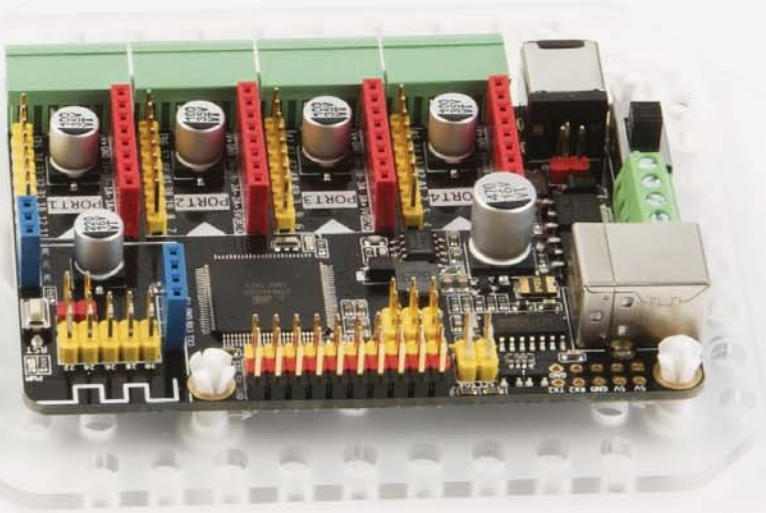
6AA battery holder	*1)
MegaPi bracket	*1)
Plastic rivet 4030	*2)



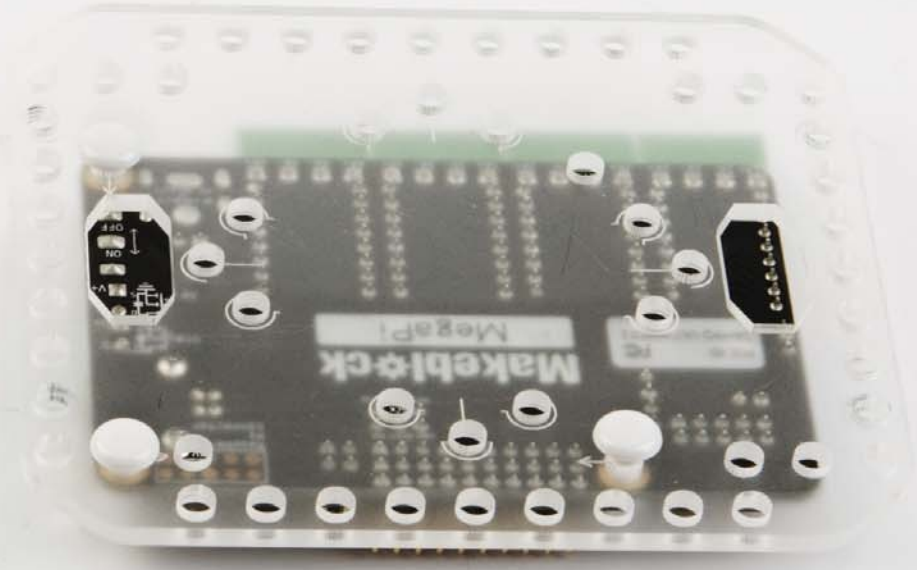
⚠ Note: pay attention to reverse install the rivets

MegaPi bracket *1)
MegaPi *1)
Plastic rivet 4100 *3)

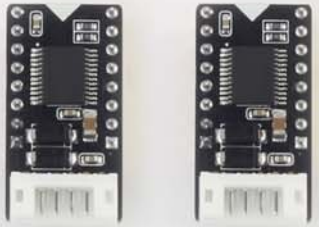



PORT1
PORT2
PORT3
PORT4

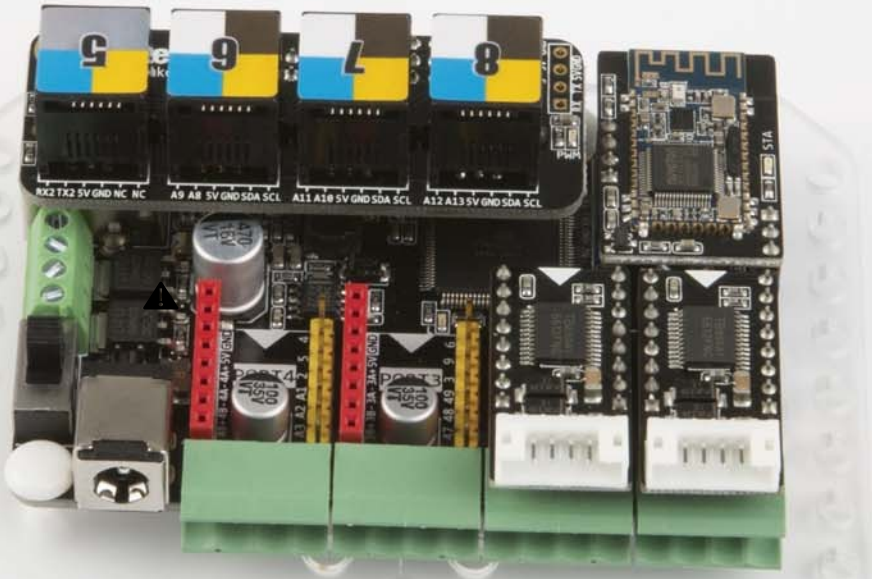
⚠ Note: Rivet mounting holes need to be positioned on its acrylic, and reverse mount



MegaPi shield for RJ 25 *1)
Bluetooth module *1)
MegaPi encode/DC motor driver *2)

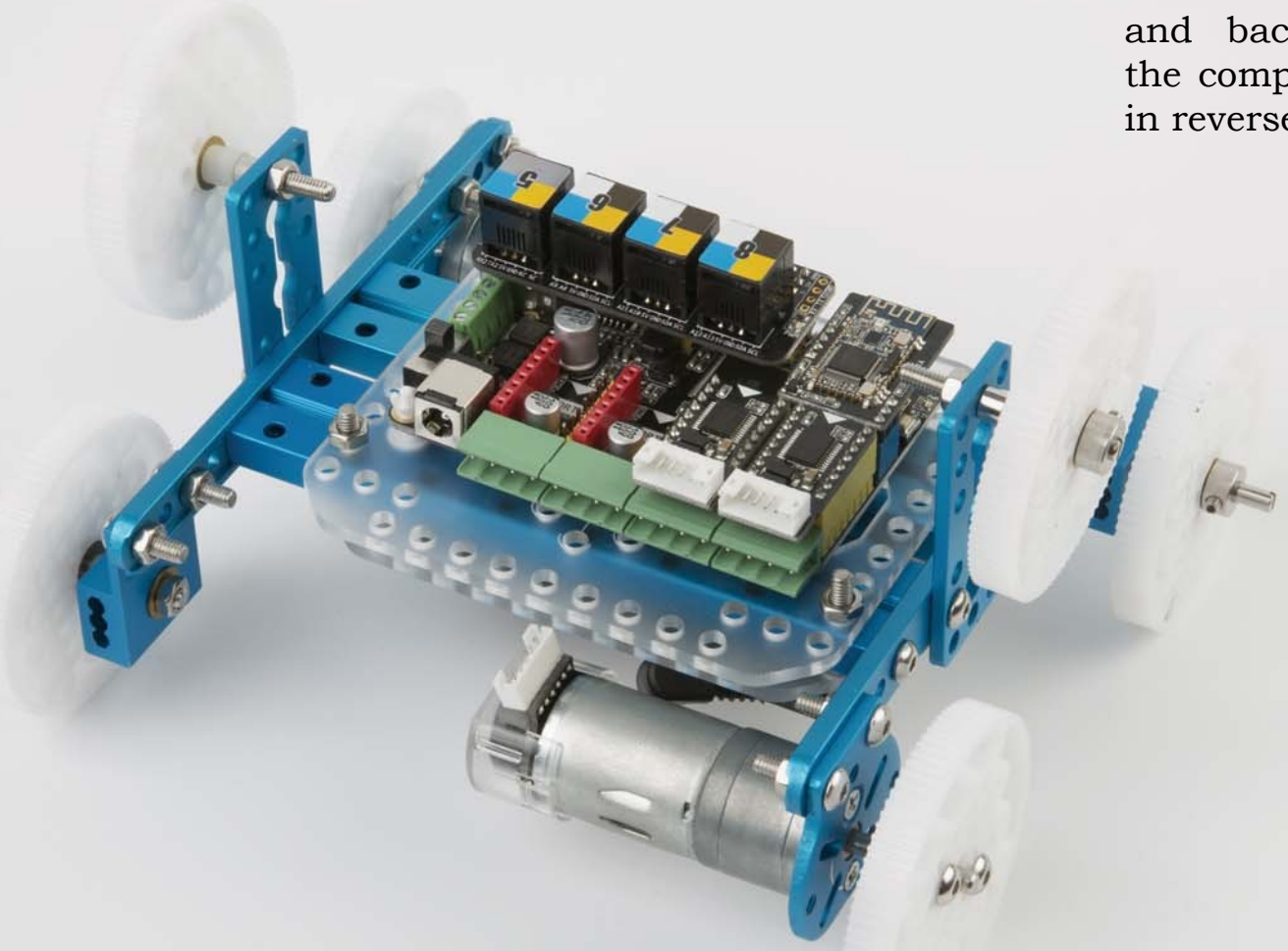


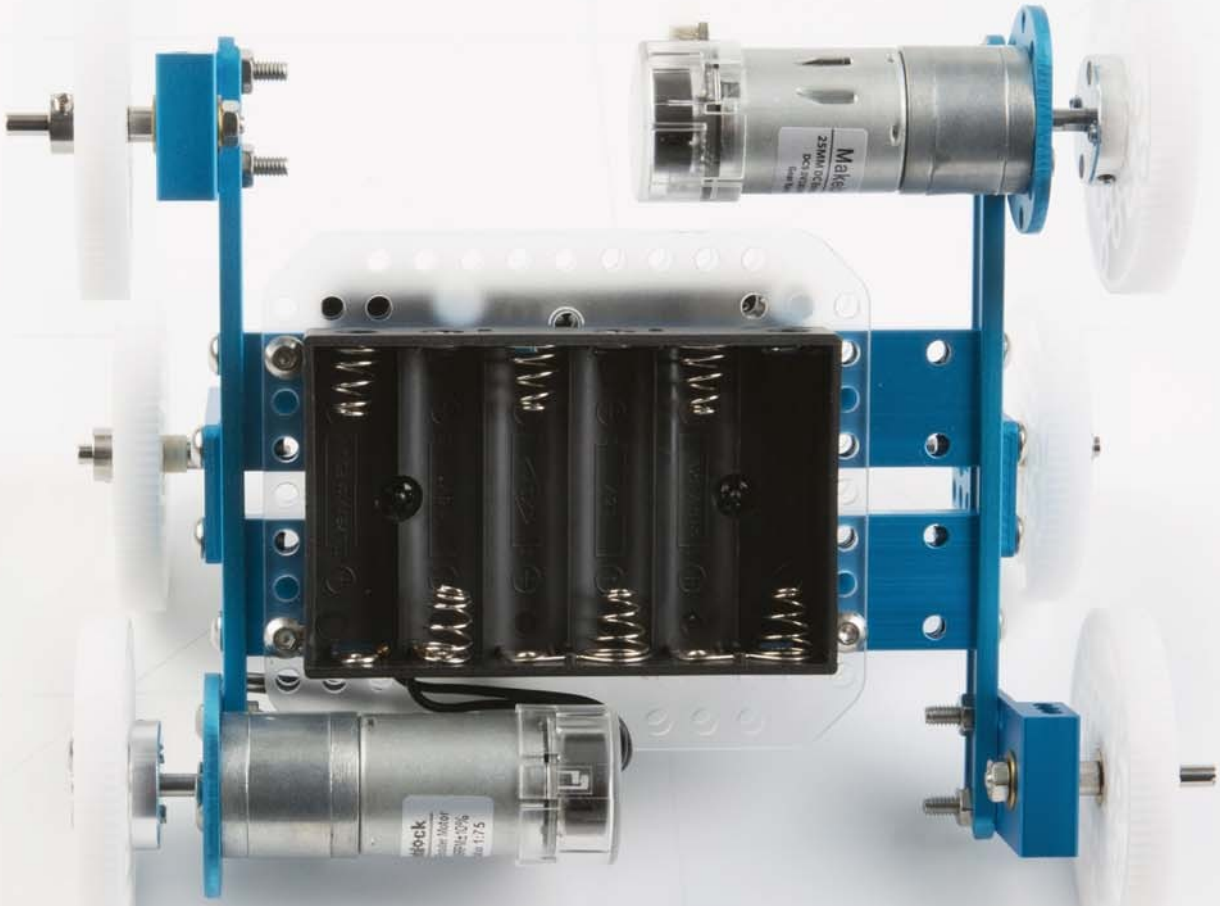
Note: pay attention to the adapter plate and module mounting orientation



Main board part in last step *1)
Battery holder part *1)
Screw M4*22 *3)
Nut M4 *3

⚠ Note: the main control board and screw box components are installed on the front and back sides, fastening the components with screws in reverse





Track *2)

Encoder motor cable *2)

⚠ 100% complete with setup

100%

Done!