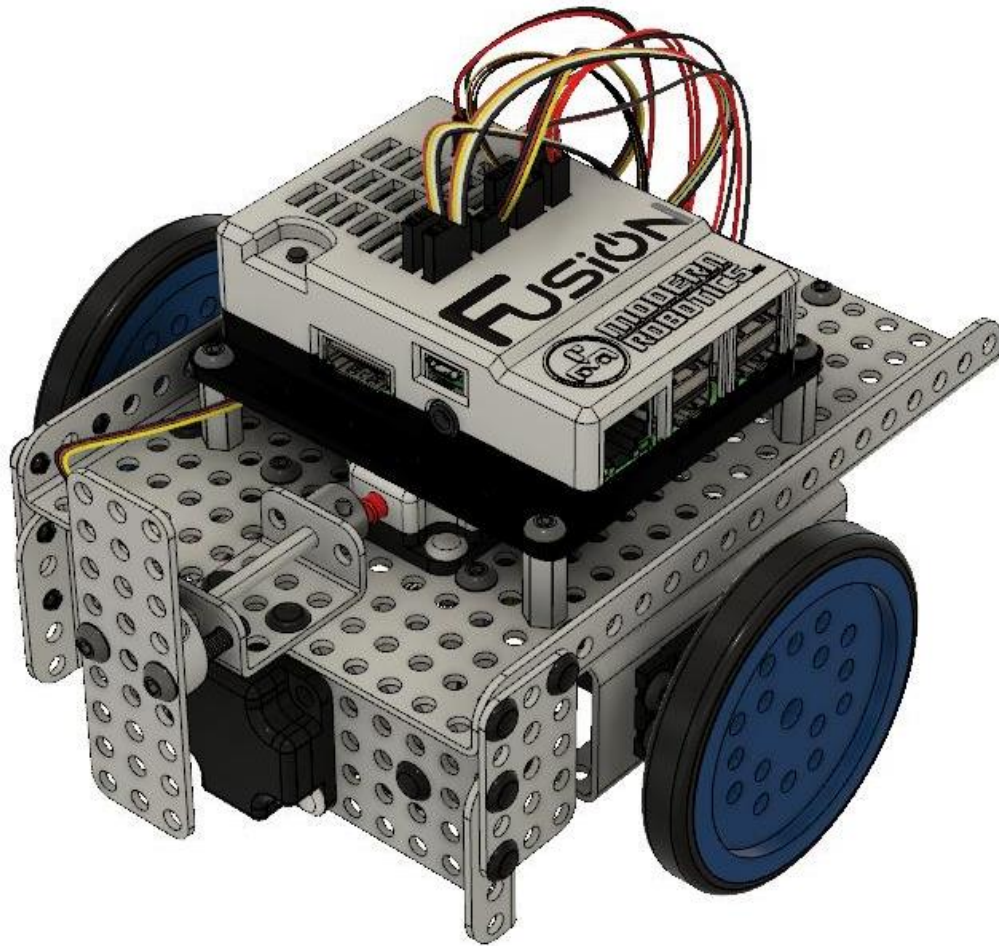
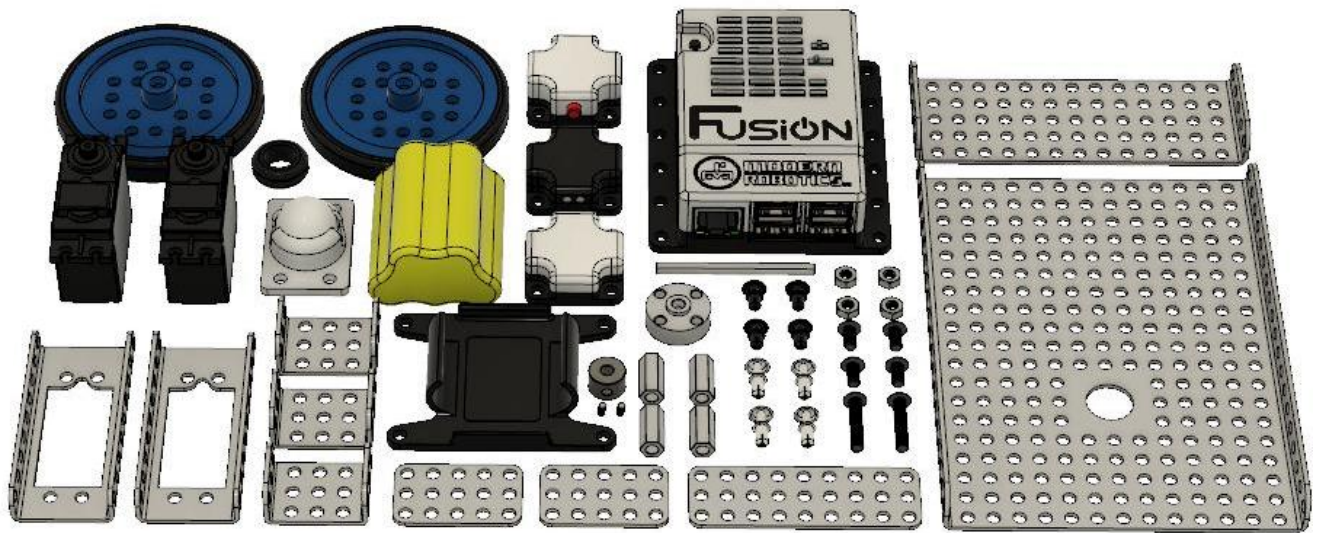


Mimio MyBot Base Kit Building Instructions





Base Kit Build Instructions

Use these step-by-step instructions to assemble the **MyBot Base Kit** robot from the components shown above (and detailed on the following pages). These instructions will allow you to add the optional *Planetary Exploration Add-on Pack* to your Base Kit robot in the future.

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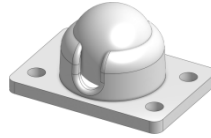
Note: Specifications listed are subject to change without notice.

Illustrated List of Components Needed

x2
04-0305
3x5 Gusset Plate



x1
45-2100
19mm Ball Caster



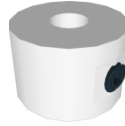
x20
11-4502
M4 Hex Nut



x1
04-0309
3x9 Gusset Plate



x1
08-0019
Axle Collar



x14
11-6001
Quick Connect Short



x3
05-0303
3x3 Flanged Plate



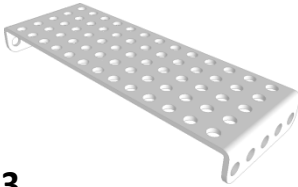
x2
(included with Collar and Hub)
Axle Collar/Hub Set Screw



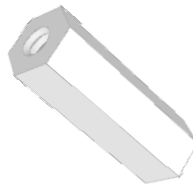
x6
11-6002
Quick Connect Medium



x1
05-0513
5x13 Flanged Plate



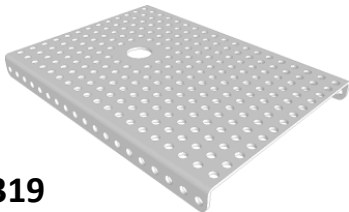
x4
09-0004
32mm Standoffs



x1
45-0300
Battery Pack Mount



x1
06-1319
13x19 Flanged Plate



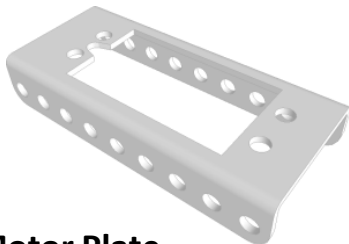
x1
10-0052
52mm D-Shaft



x1
45-1007
Push-In Grommet



x2
07-0008
Servo/Motor Plate



x28
11-4108
M4 x 8mm Screw



x2
45-1010
DC Motor



x1
08-0007
Axle Hub



x2
11-4116
M4 x 16mm Screw



x1
45-1300
6V Battery Pack



Illustrated List of Components Needed



x1
45-2006
Optical Distance Sensor



x1
45-2005
Integrating Gyro



x1
45-2007
Touch Sensor



x2
45-1400
Wheel and Screw



x1
52-2022
Fusion Controller



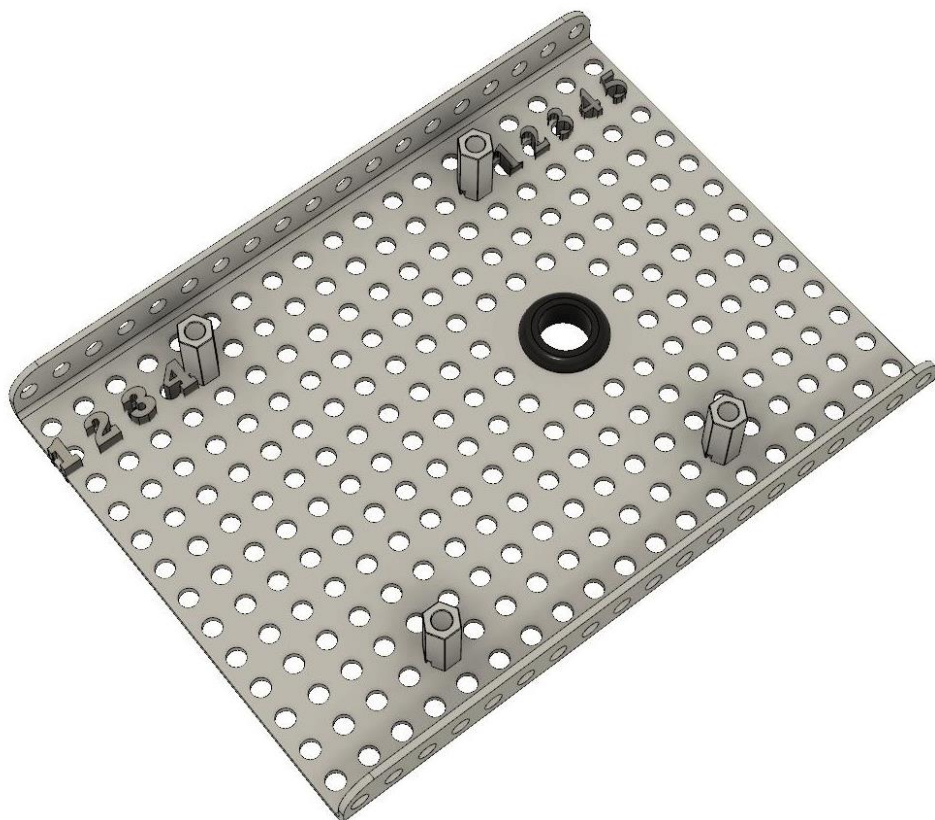
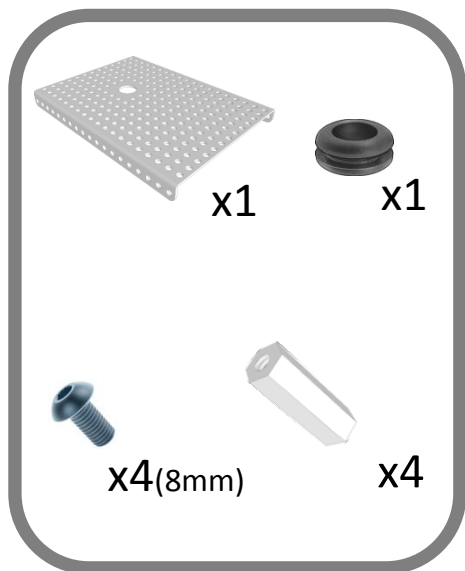
x1
15-0016
Box for Spare Fasteners

TIP: Use this box to store any extra fasteners and small parts. You can use them with future activities and configurations for your MyBot Robot!

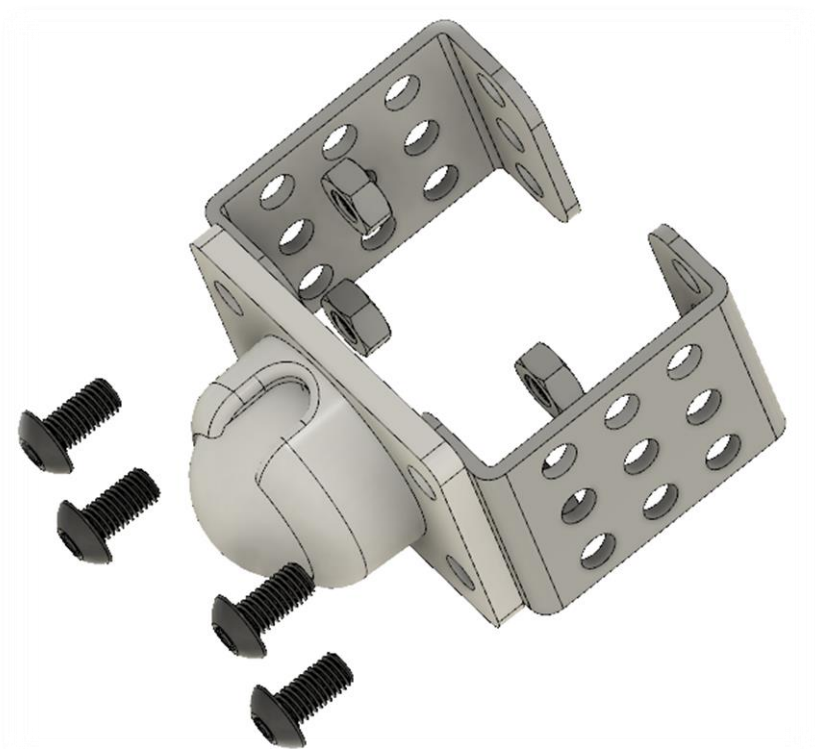
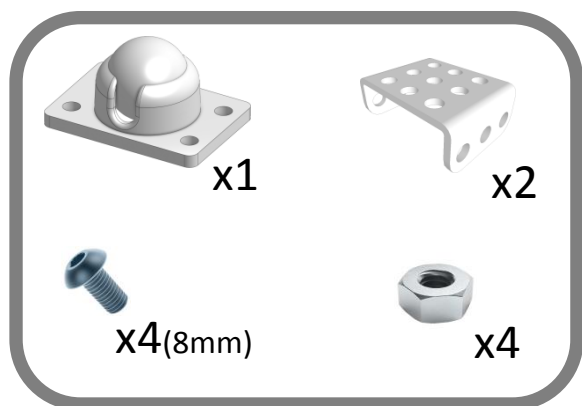


x1
50-0076
Tool Kit

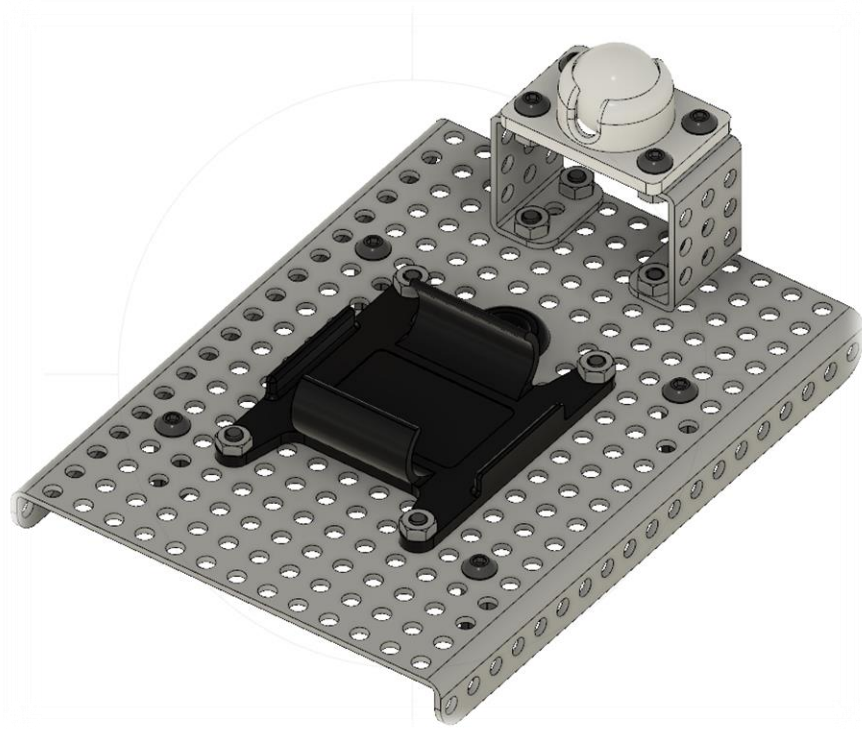
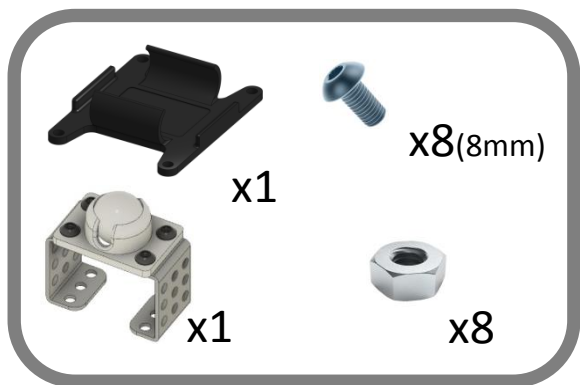
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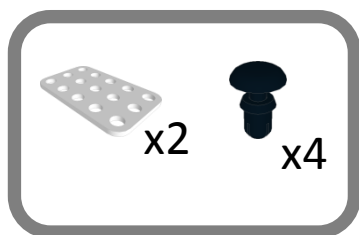
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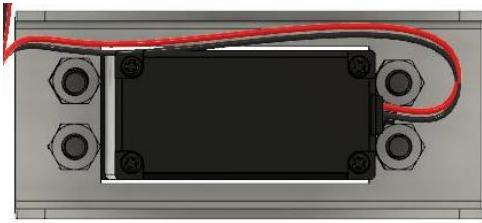
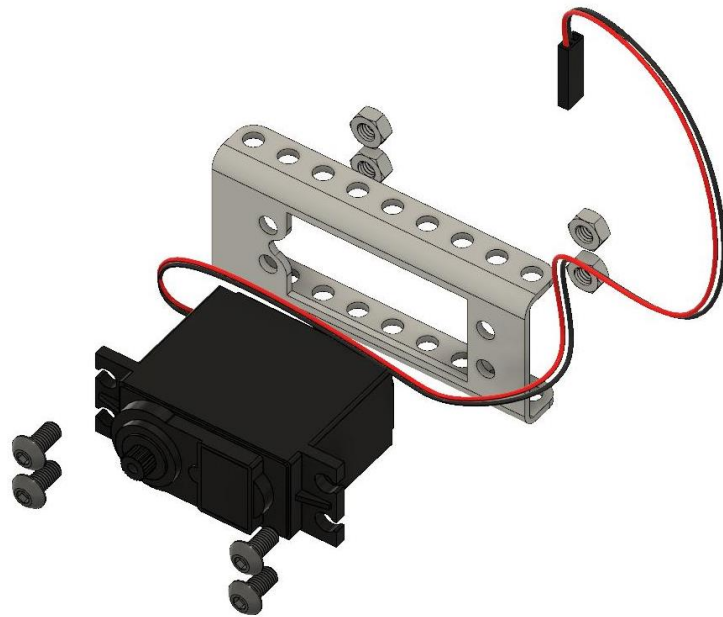
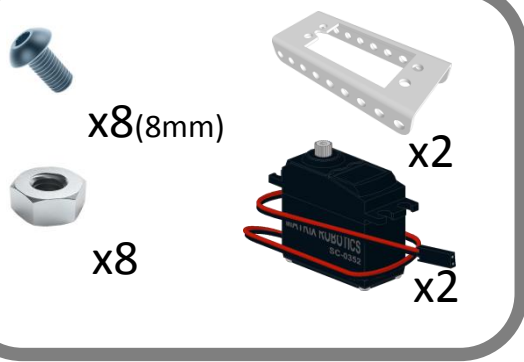
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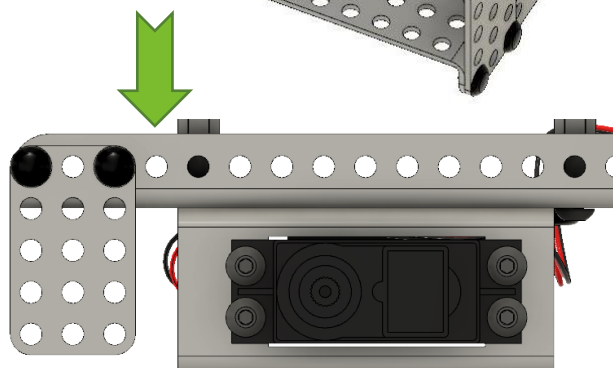
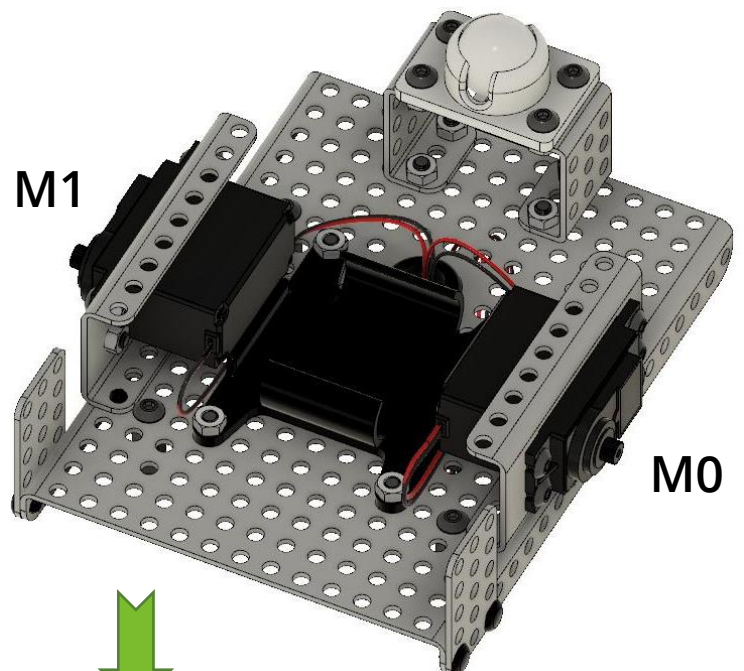
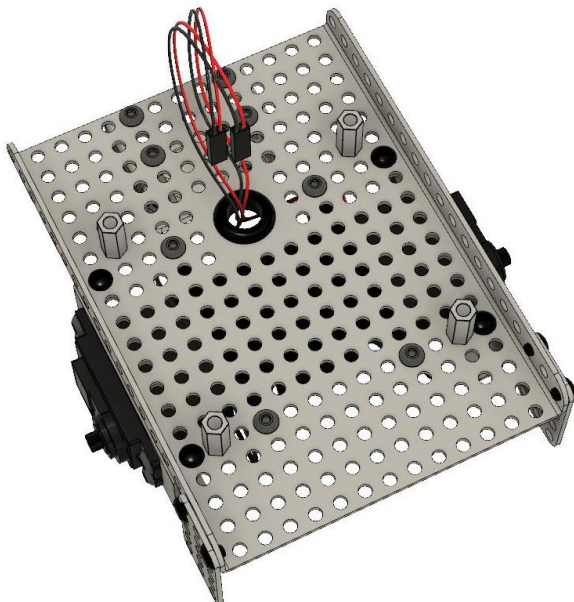
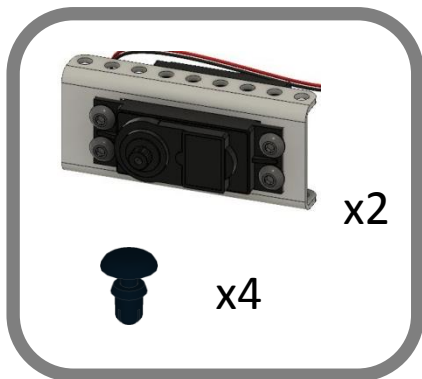
4



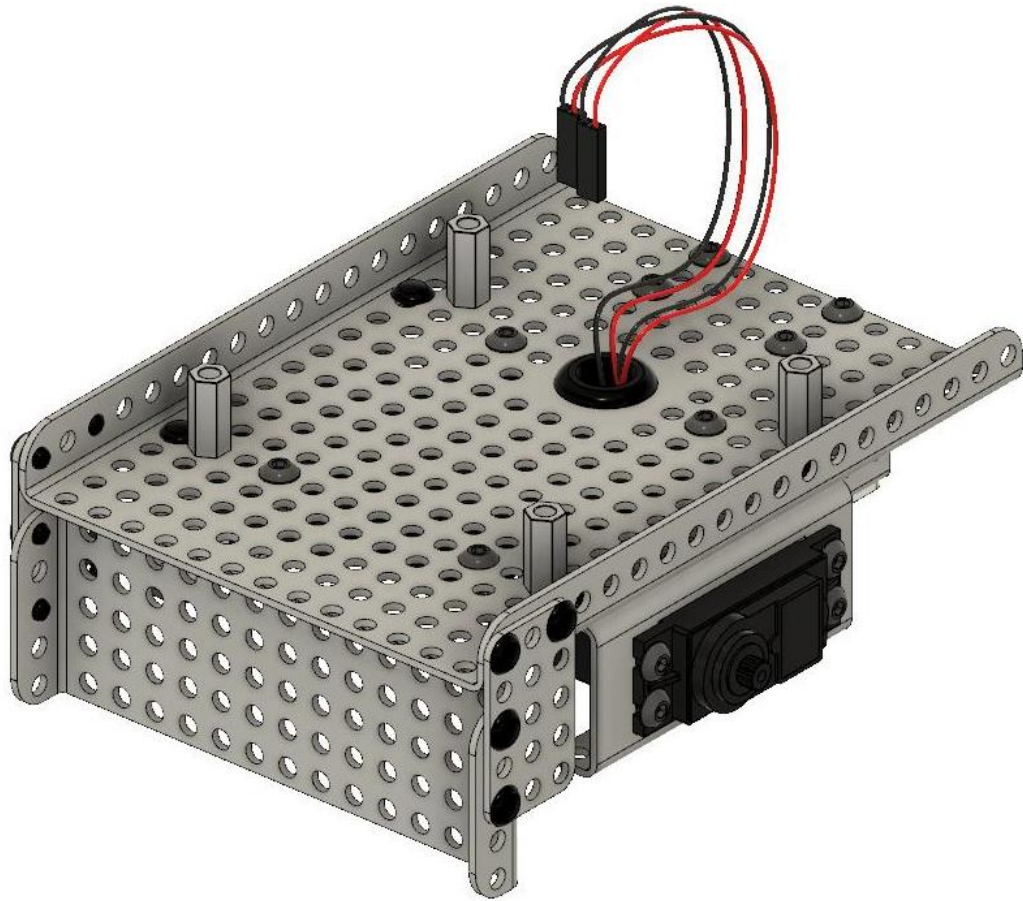
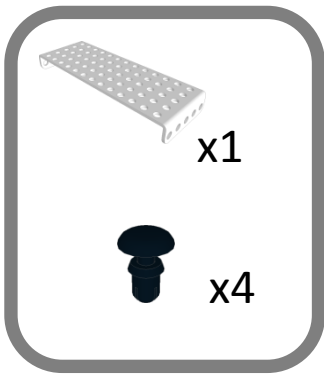
5



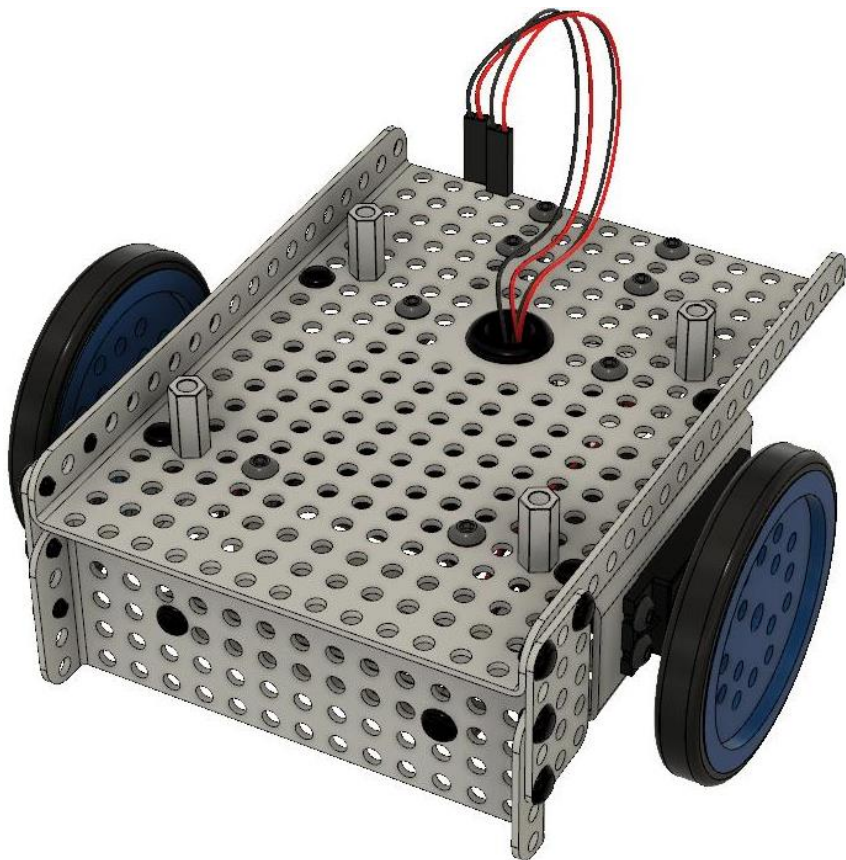
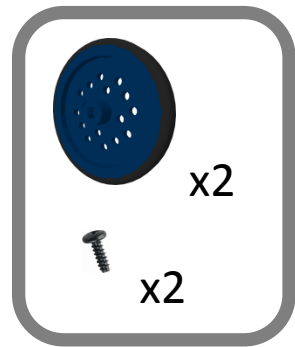
6



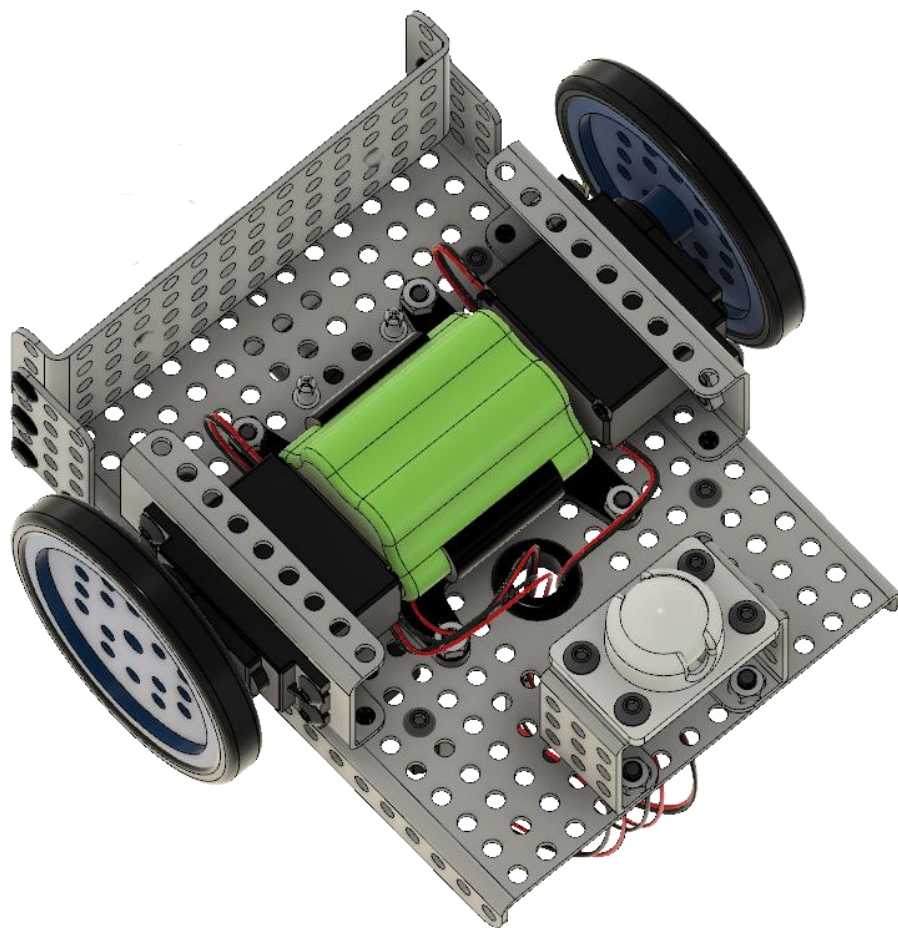
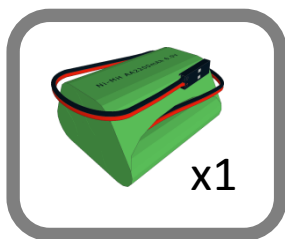
7



8

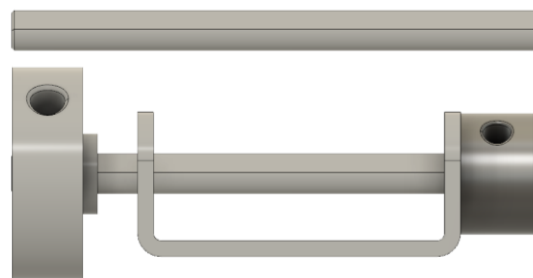
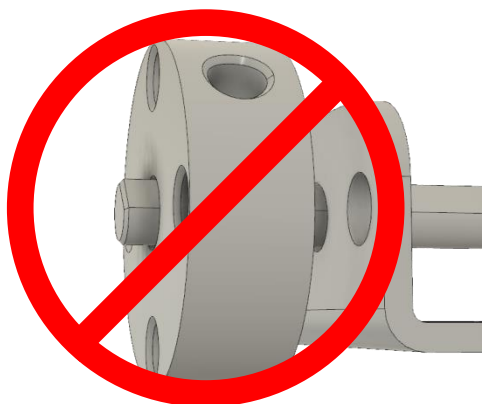
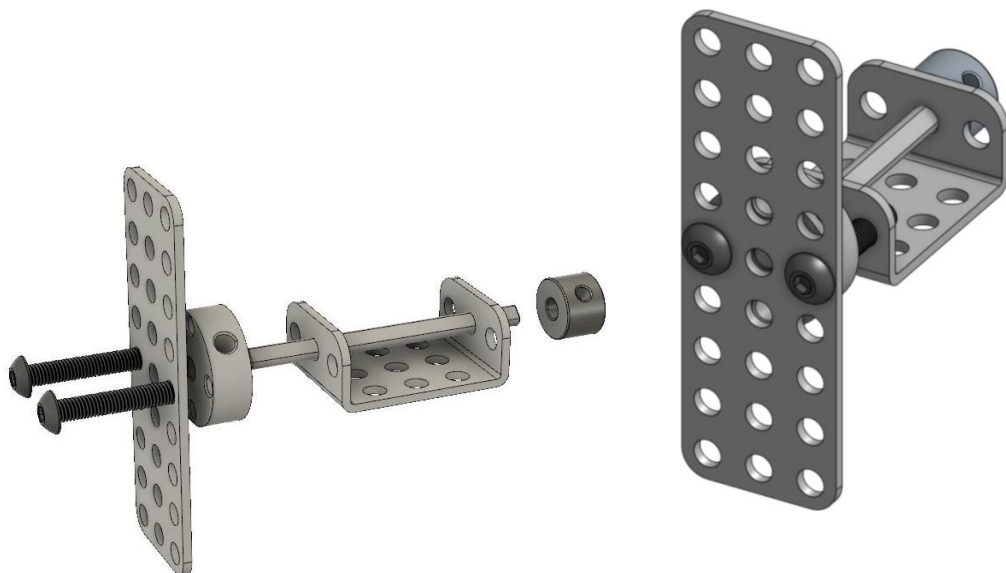



9




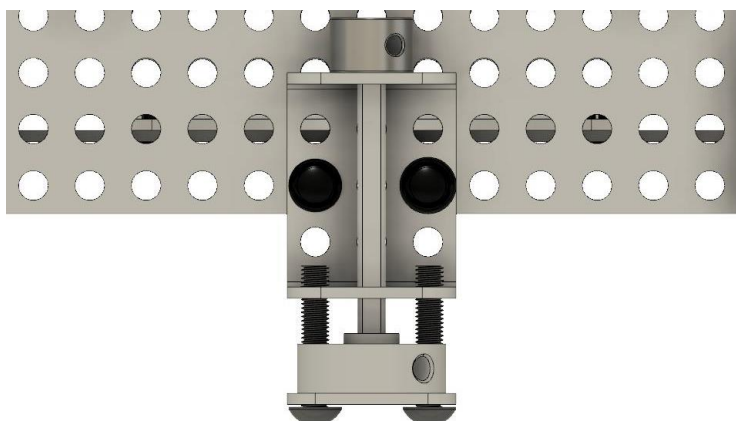
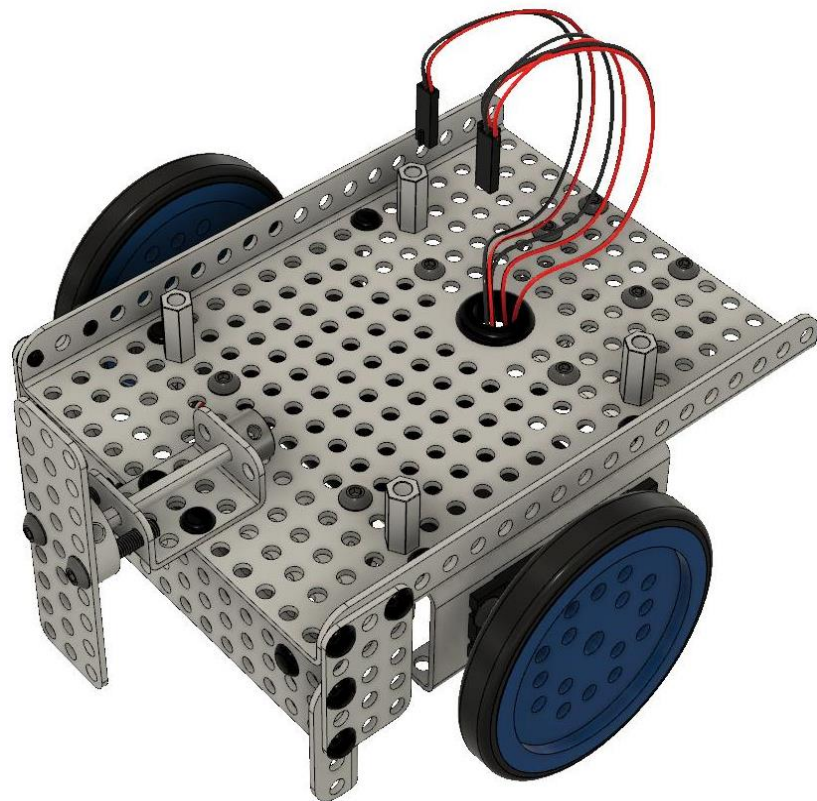
Exploded view diagram showing the components and their quantities:

- Top plate: x1
- Bottom plate: x1
- Top cap: x1
- Bottom cap: x1
- Long screw: x1
- Short screw: x2
- Long screw (16mm): x2

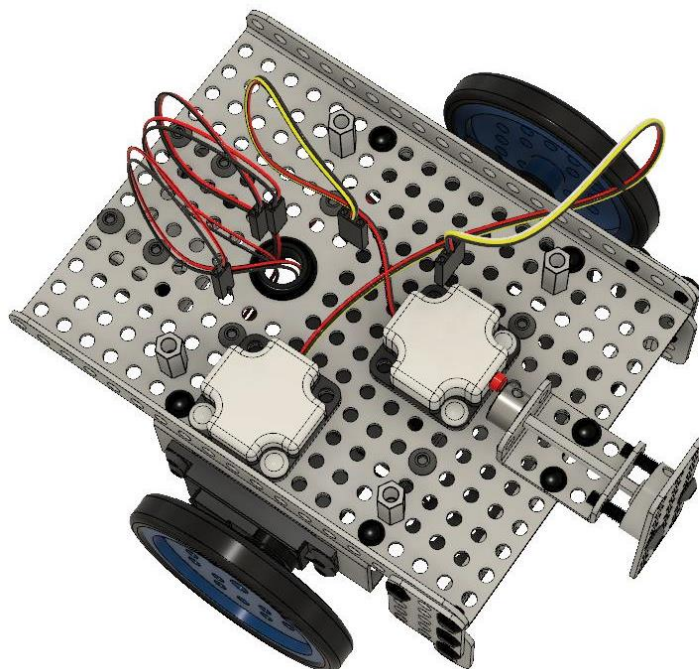
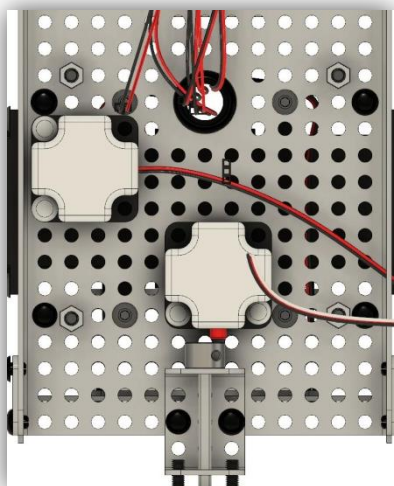
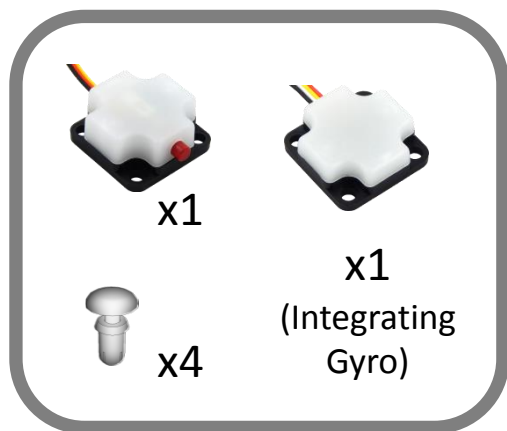


 x1

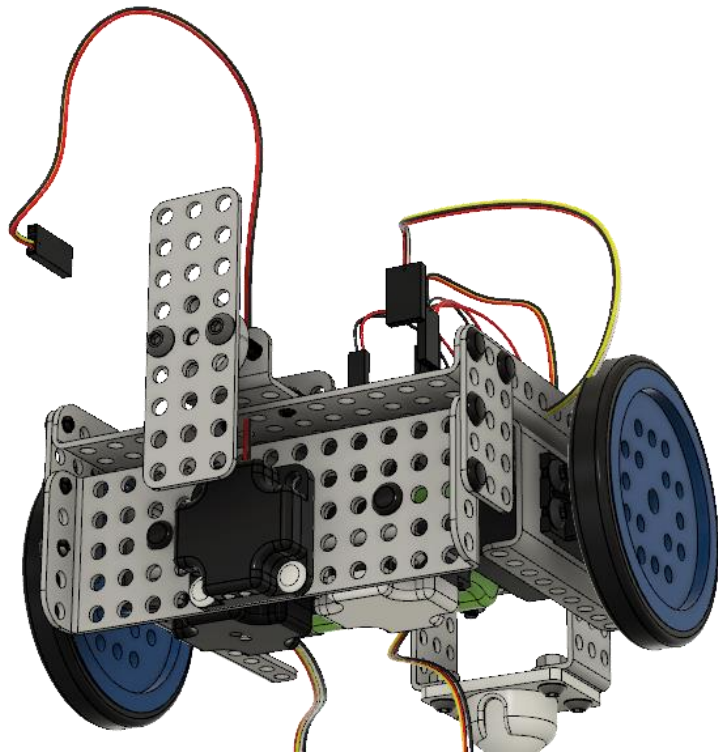
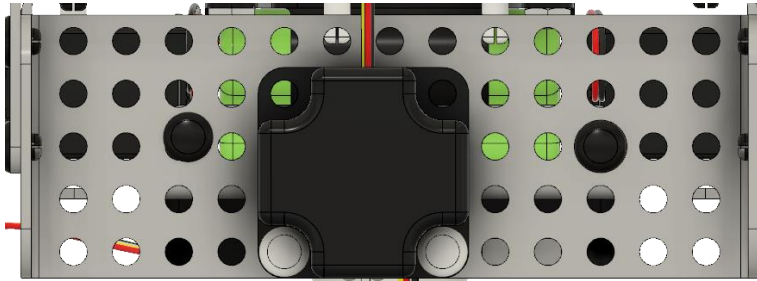
 x2



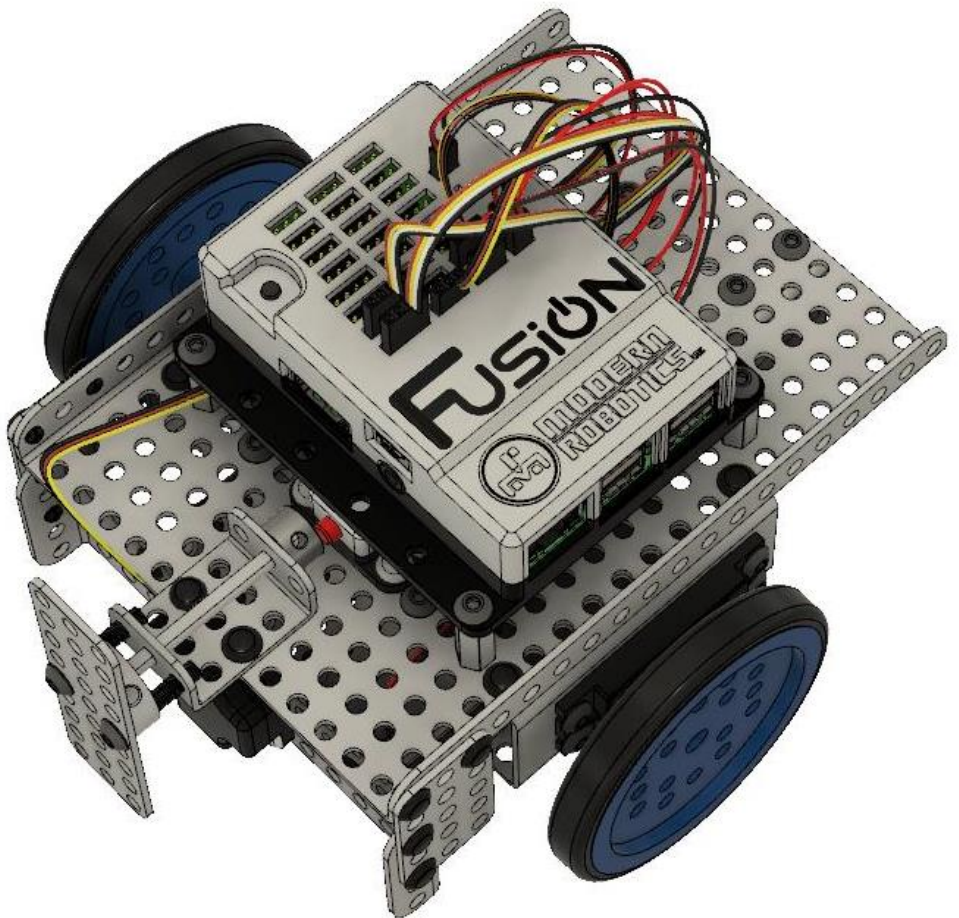
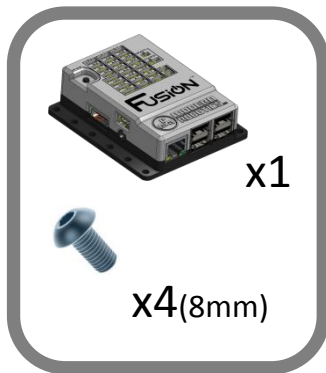
12



13



14



15 – Wiring



Optical Distance Sensor



A0



Touch Sensor



D0



Integrating Gyro



I2C



Left Motor



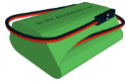
M1



Right Motor



MO



Battery



BATT

