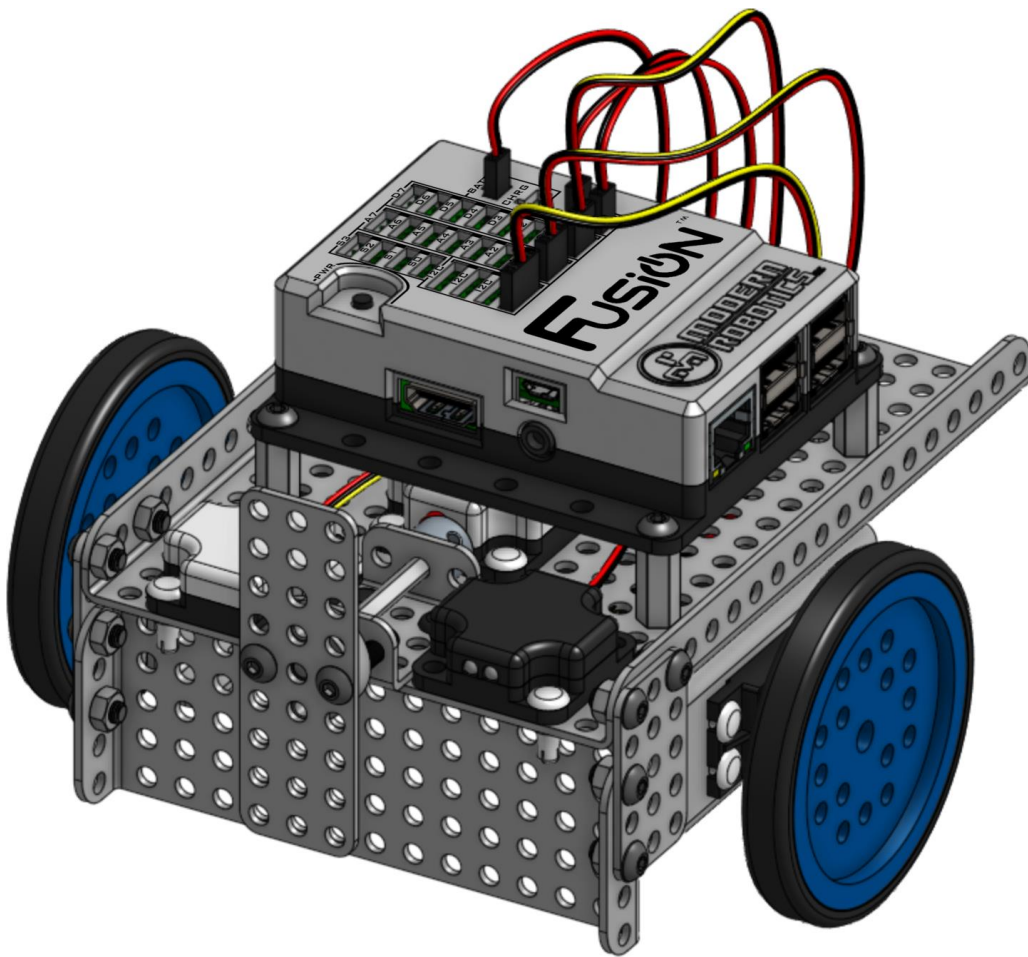


Base Bot Building Instructions



Version 1.0.0
Modern Robotics, Inc.

Specifications subject to change without notice.

Bill of Materials

x2
04-0305
3x5 Gusset Plate

x1
08-0019
Axle Collar

x14
11-6002
Quick Connect Medium

x1
04-0309
3x9 Gusset Plate

x4
09-0003
16mm Standoffs

x1
45-0300
Battery Pack Mount

x3
05-0303
3x3 Flanged Plate

x1
10-0052
52mm D-Shaft

x1
45-1007
Push-In Grommet

x1
05-0513
5x13 Flanged Plate

x32
11-4108
M4 x 8mm Screw

x2
45-1010
DC Motor

x1
06-1319
13x19 Flanged Plate

x2
11-4120
M4 x 20mm Screw

x1
45-1300
6V Battery Pack

x2
07-0008
Servo/Motor Plate

x24
11-4501
M4 Hex Nut

x2
45-1400
Wheel

x1
08-0007
Axle Hub

x2
11-6001
Quick Connect Short

x1
45-2005
Integrating Gyro

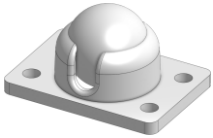
Bill of Materials



x1
45-2006
Optical Distance Sensor



x1
45-2007
Touch Sensor

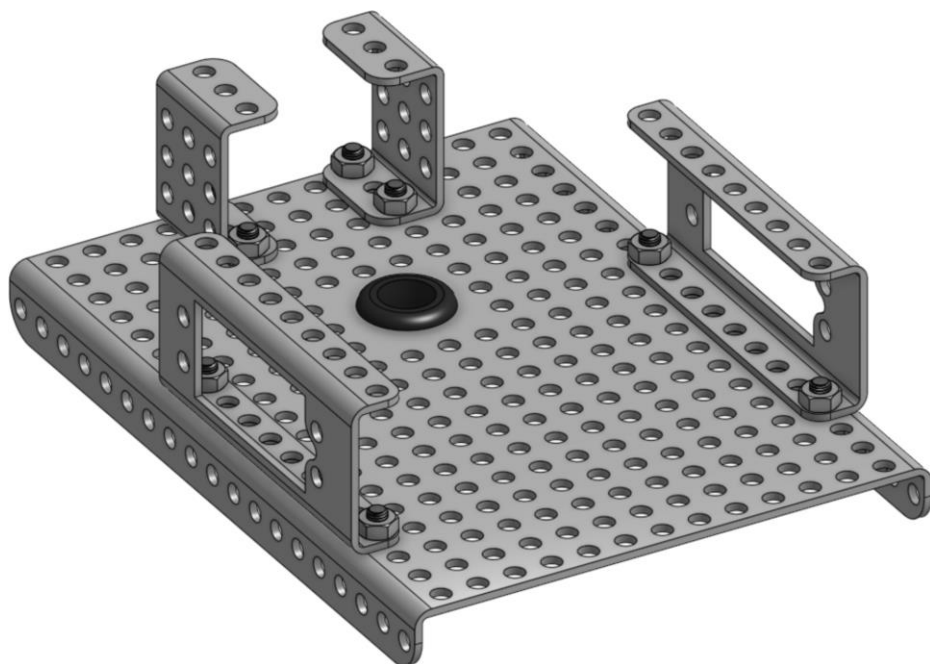
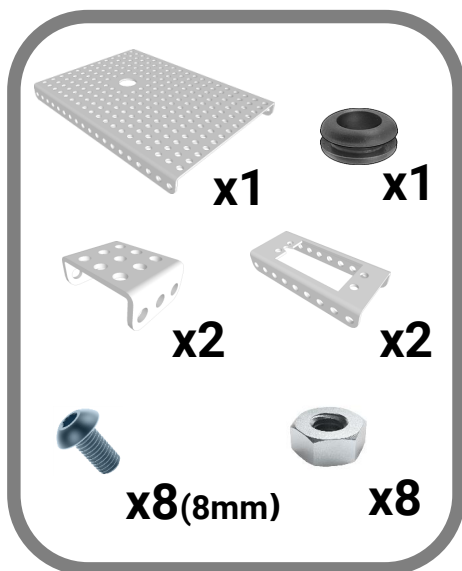


x1
45-2100
19mm Ball Caster

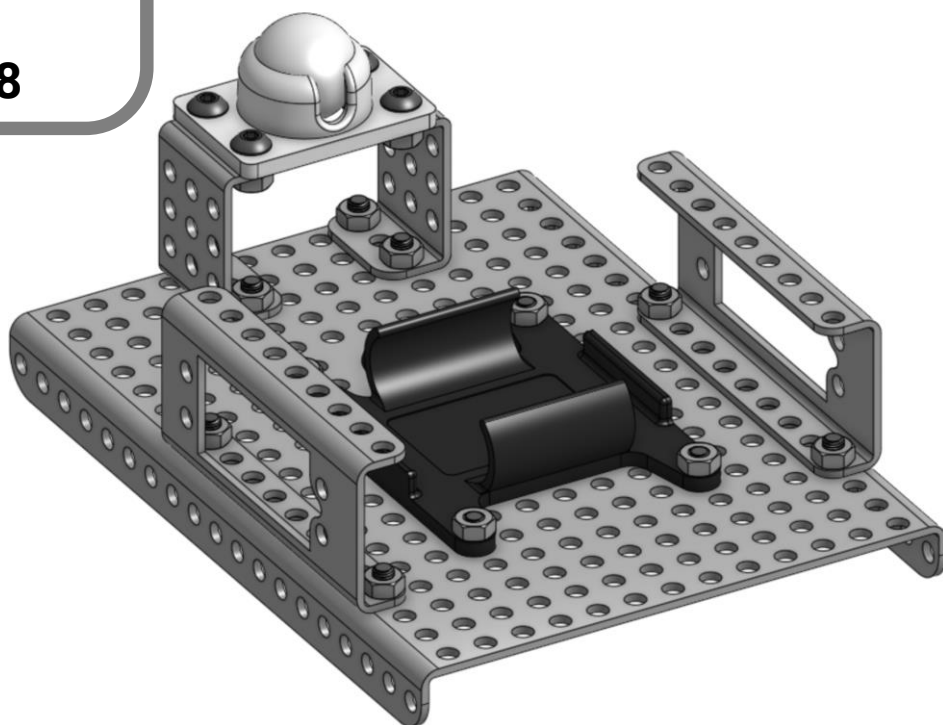
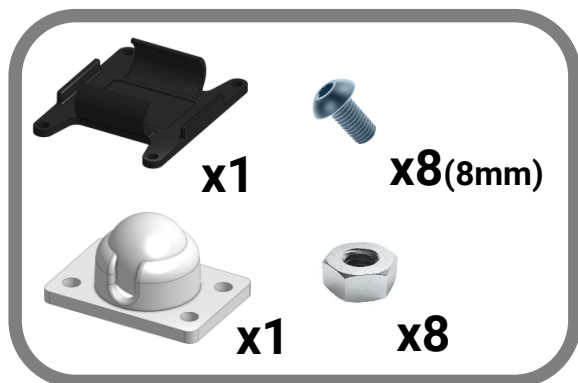


x1
52-2022
Fusion Controller

1



2



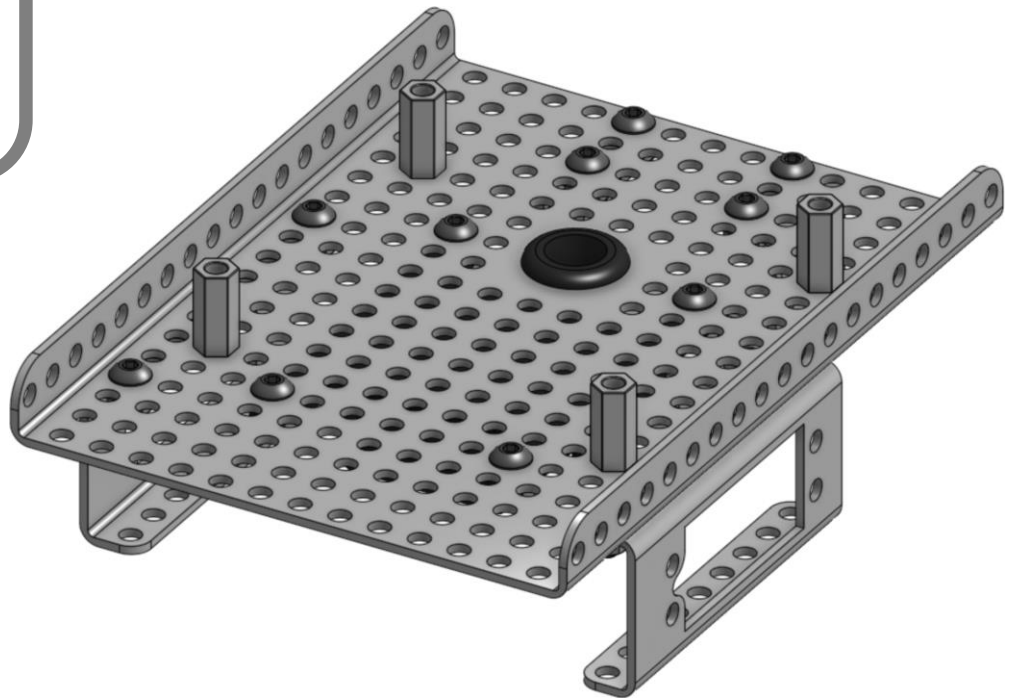
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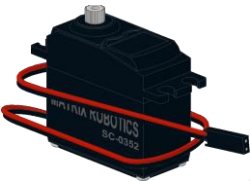
x4



x4(8mm)



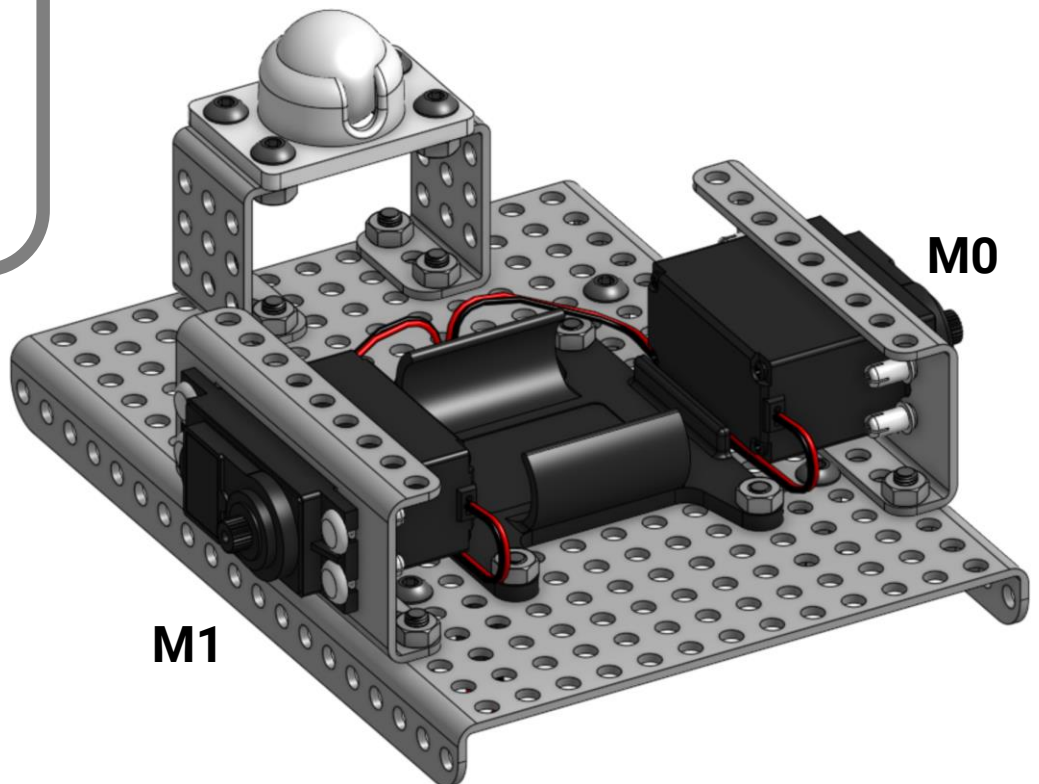
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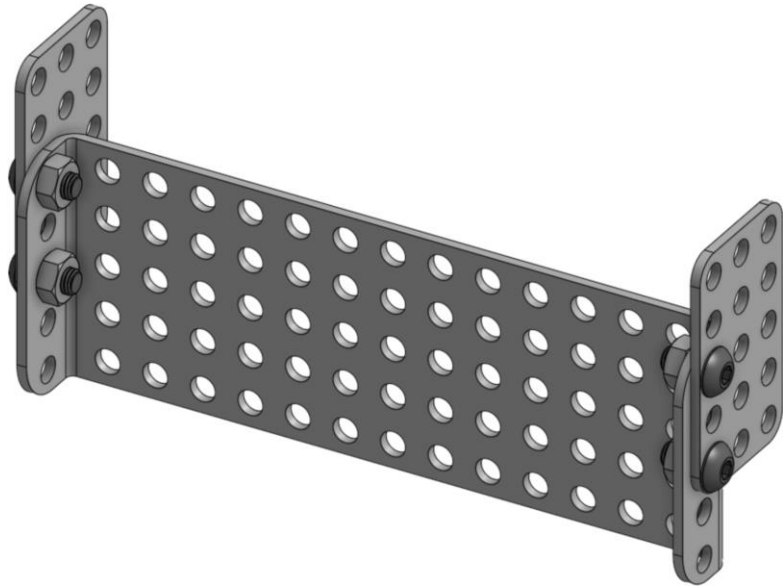
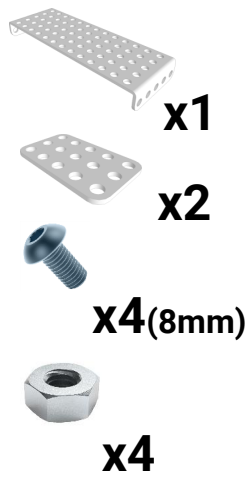
x2



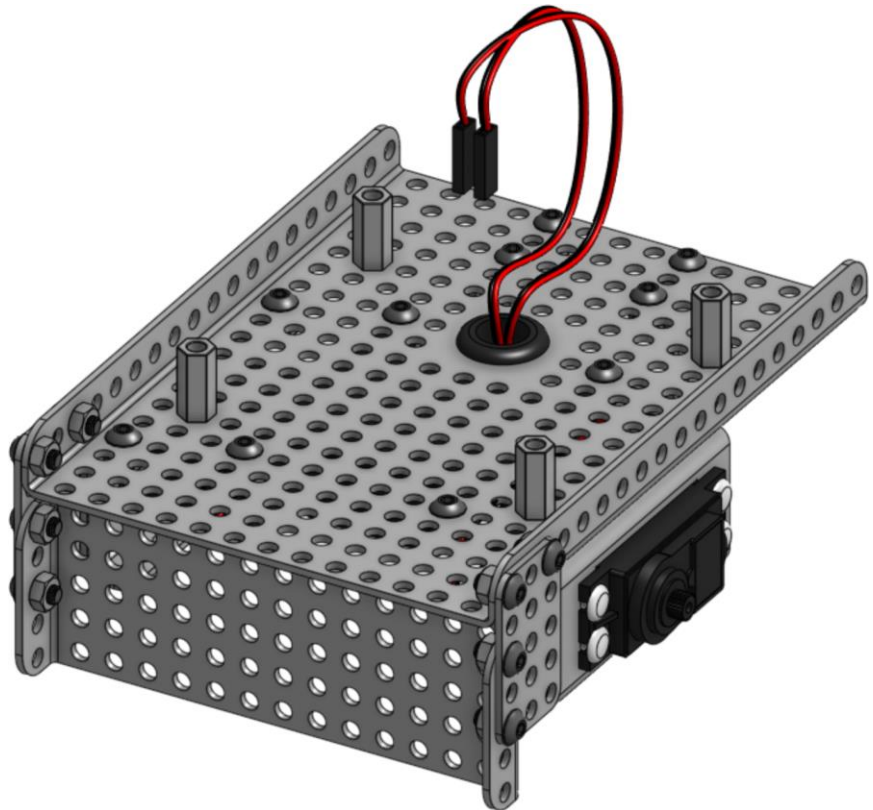
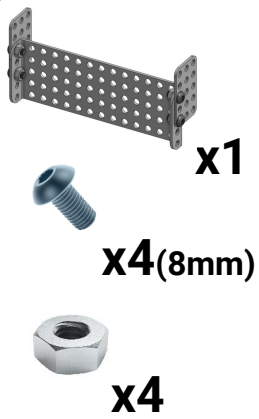
x8



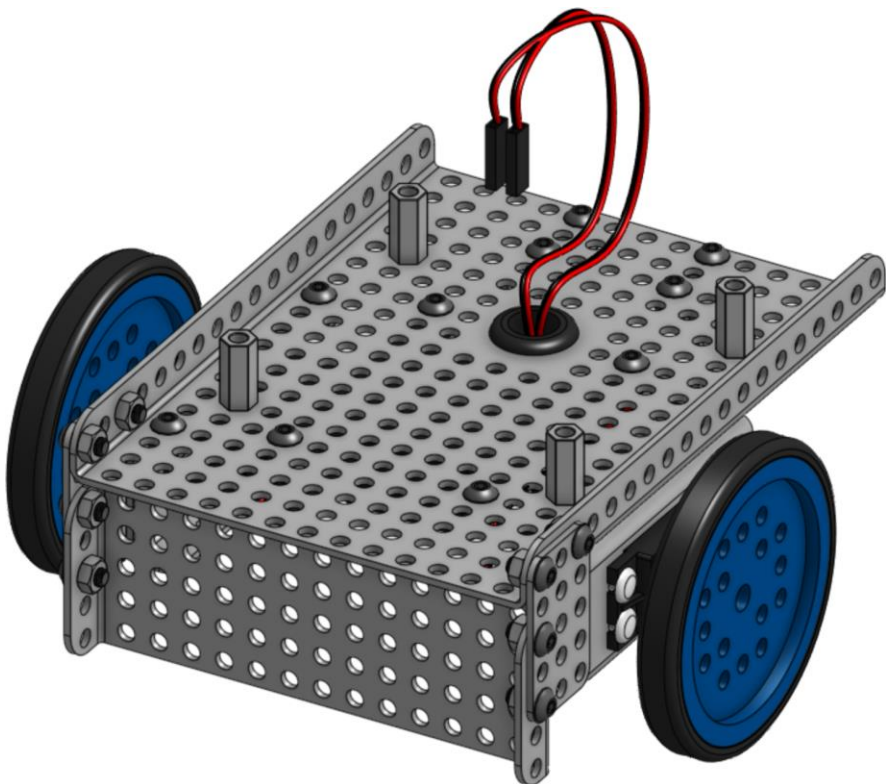
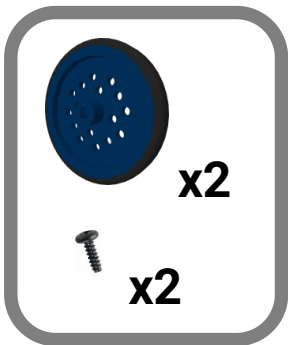
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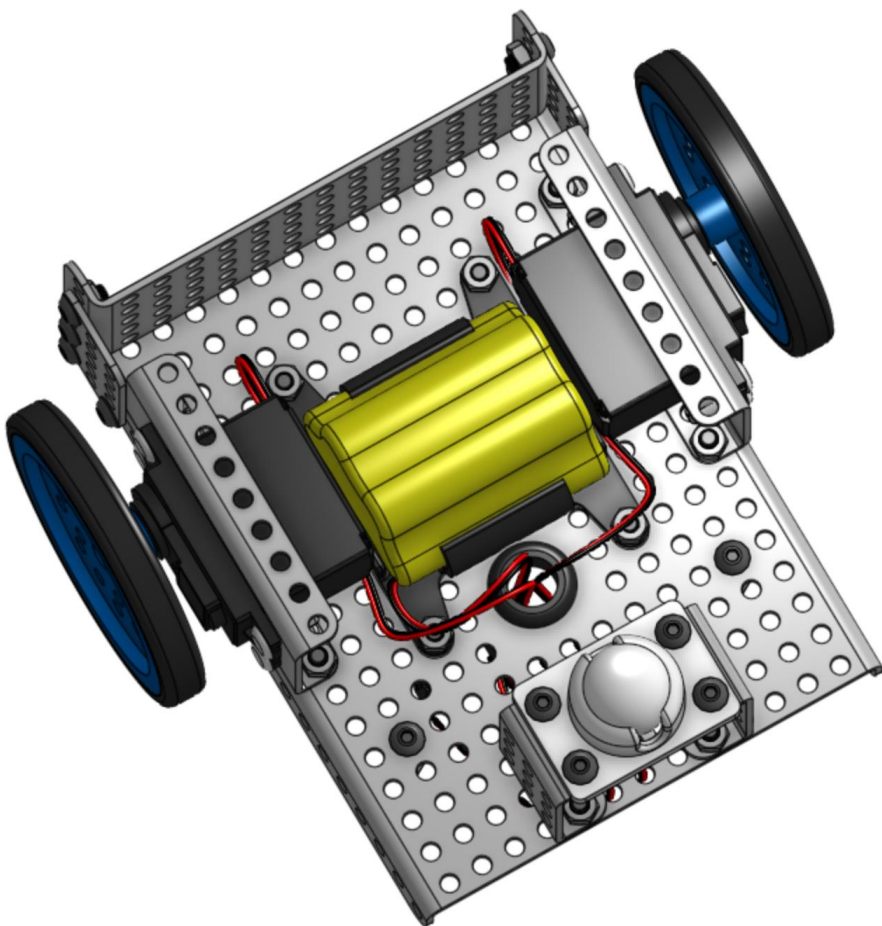
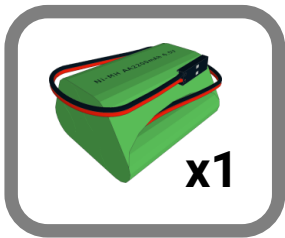
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7



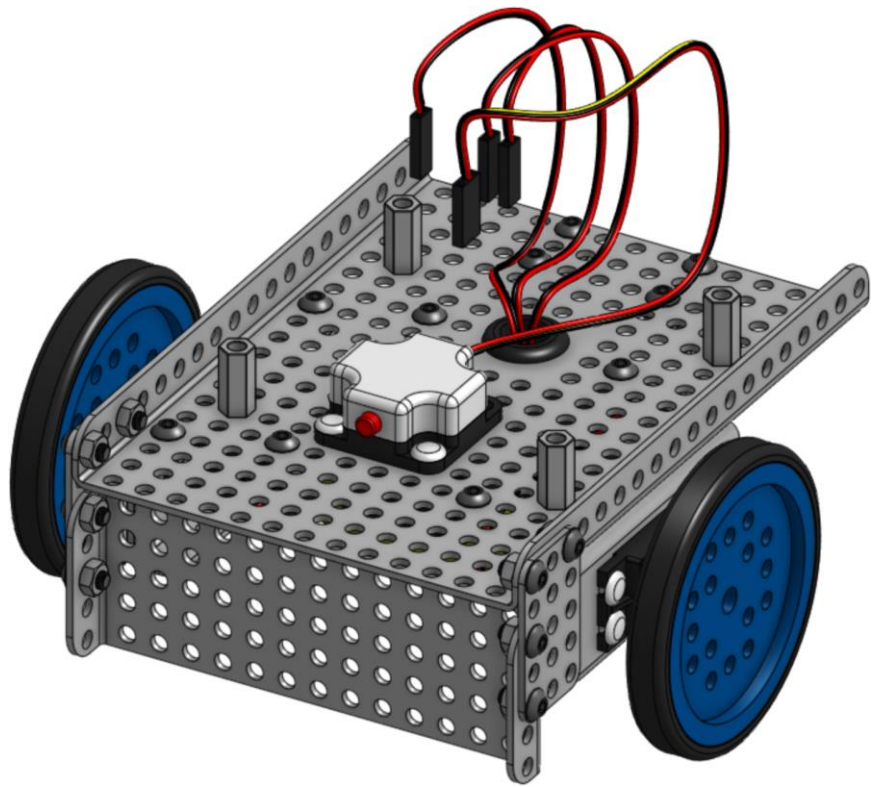
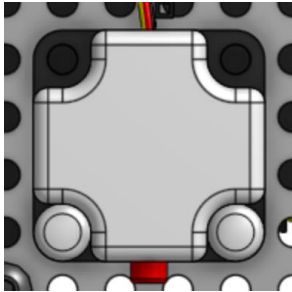
8





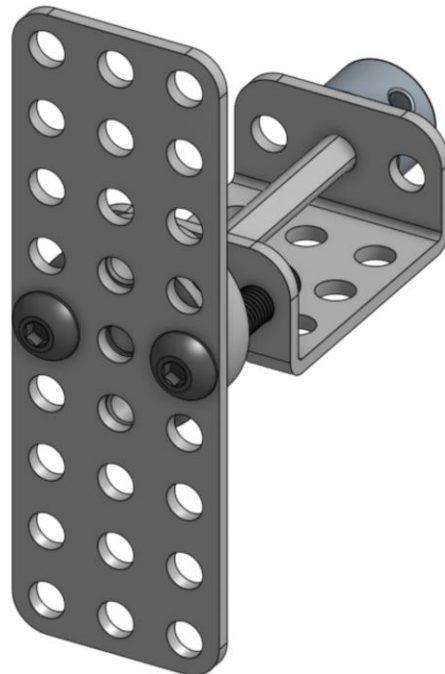
x1

x2

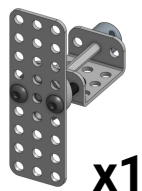


Exploded view diagram of the 1000mAh battery pack assembly. The components and their quantities are:

- Top Plate: x1
- Bottom Plate: x1
- Top Cap: x1
- Bottom Cap: x1
- Long Pin: x1
- Short Pin: x2(20mm)



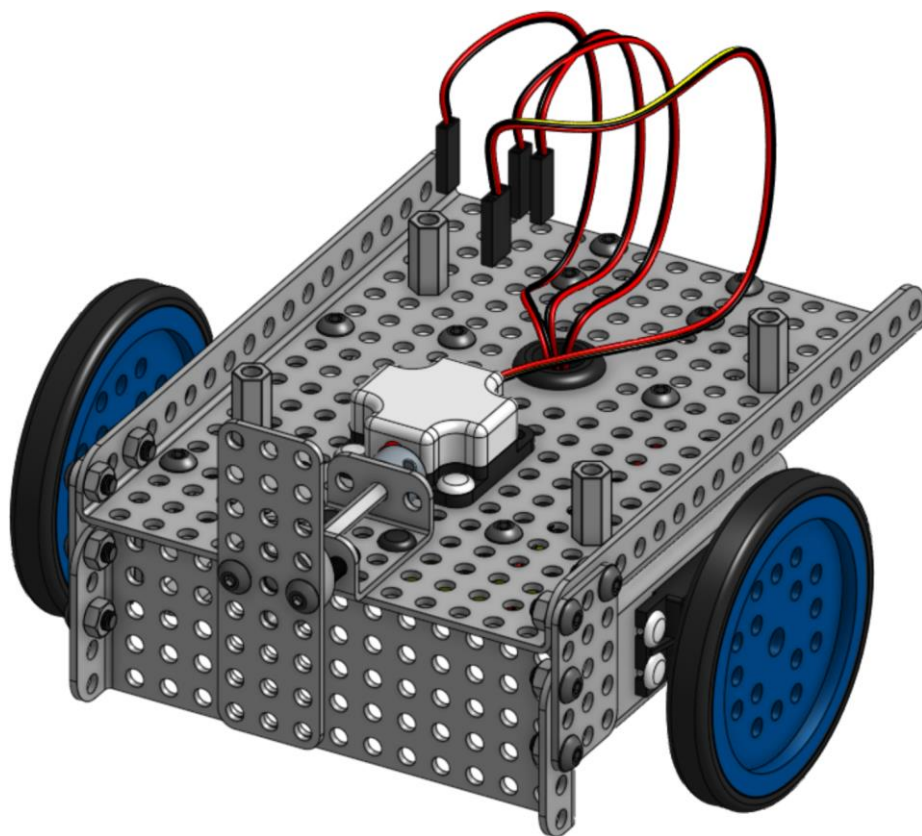
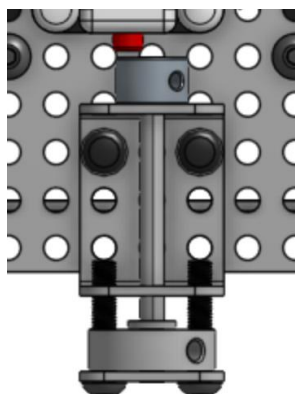
11



x1



x2



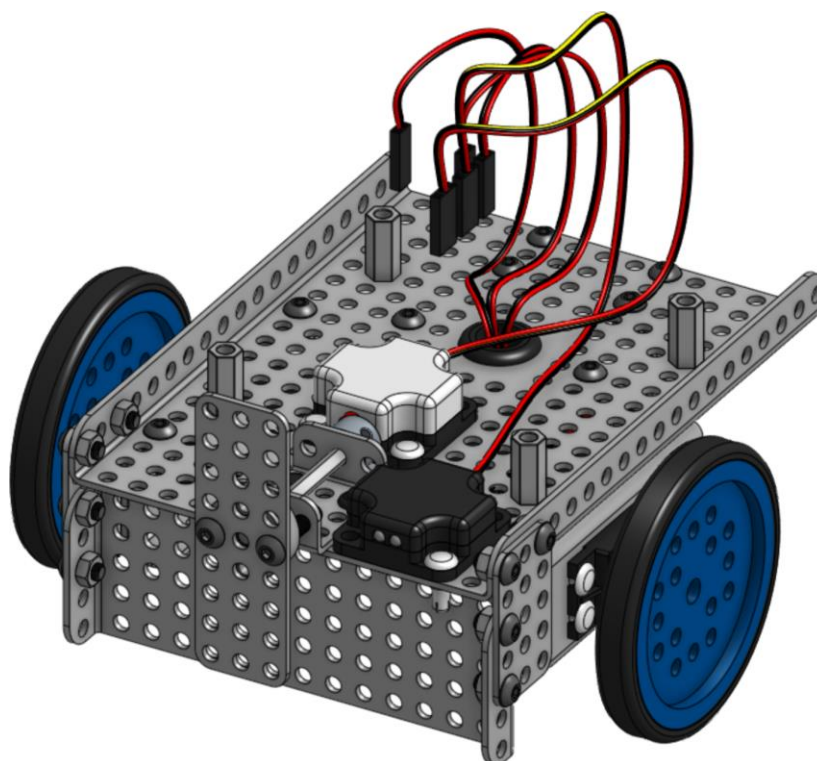
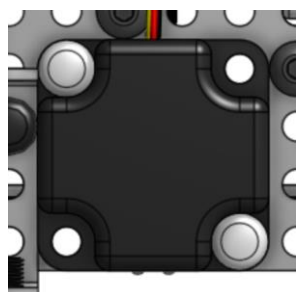
12



x1



x2



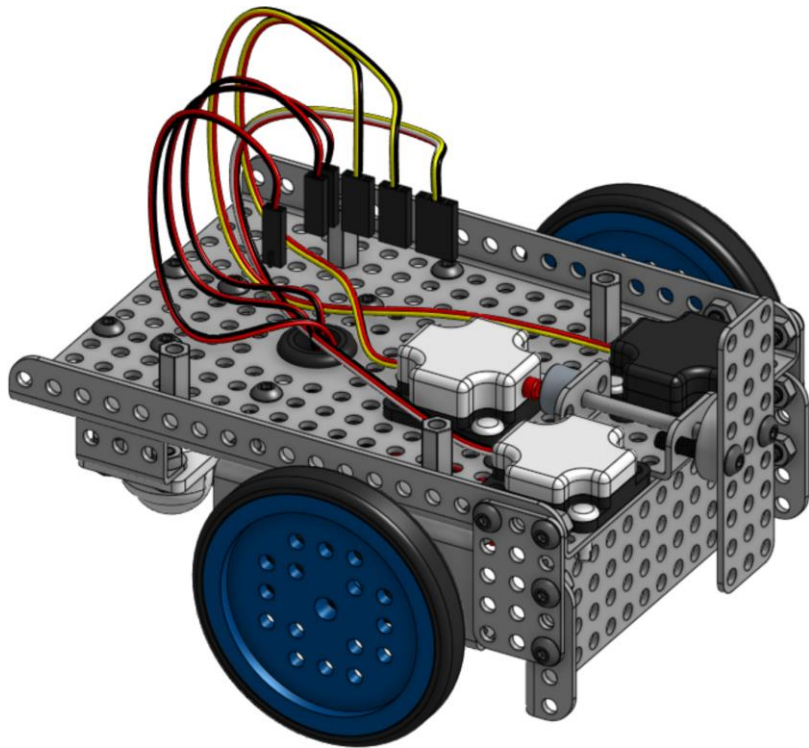
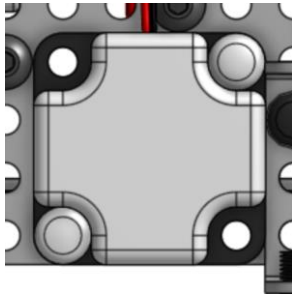
11



x1



x2



12



x1



x4(8mm)

