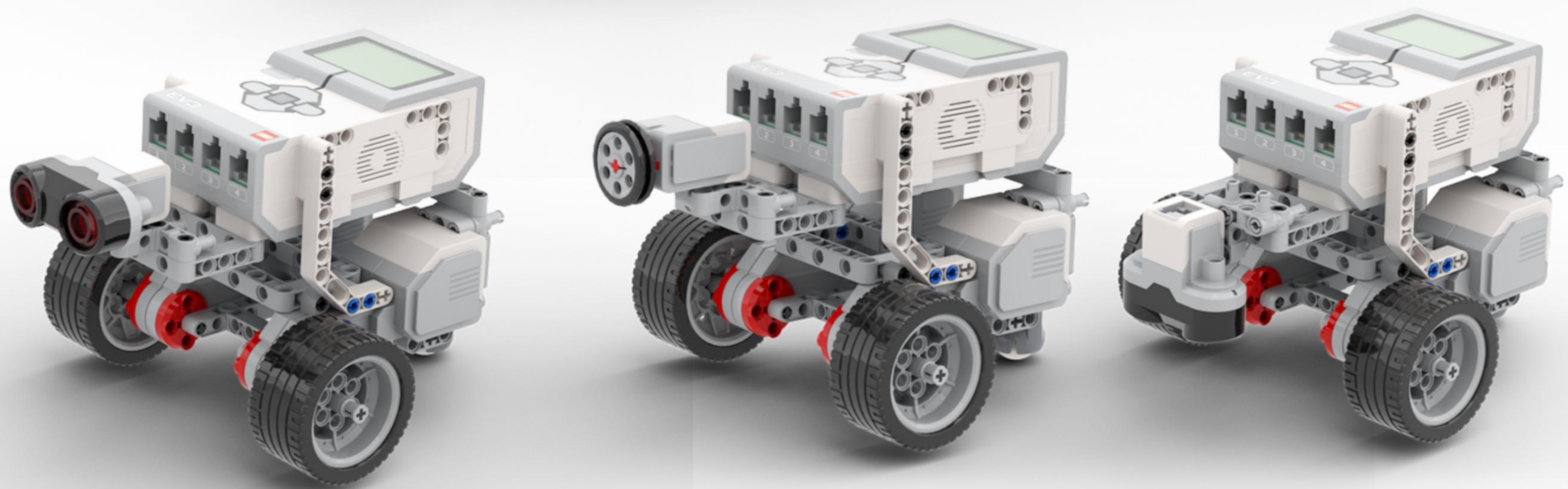
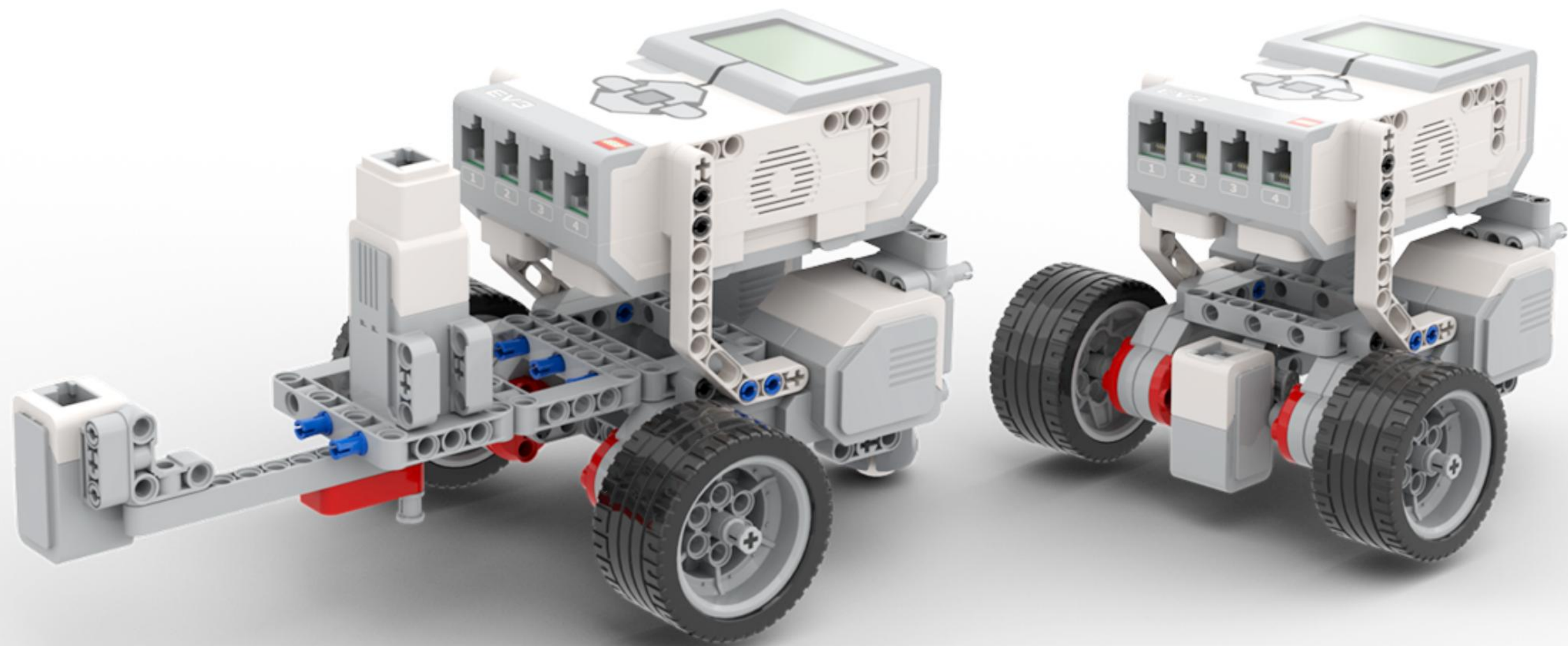
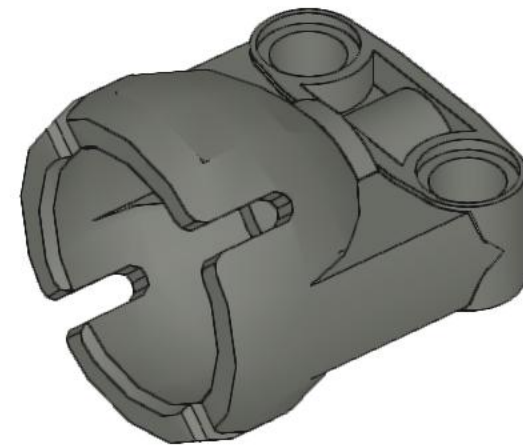


Lego EV3 basic car structure

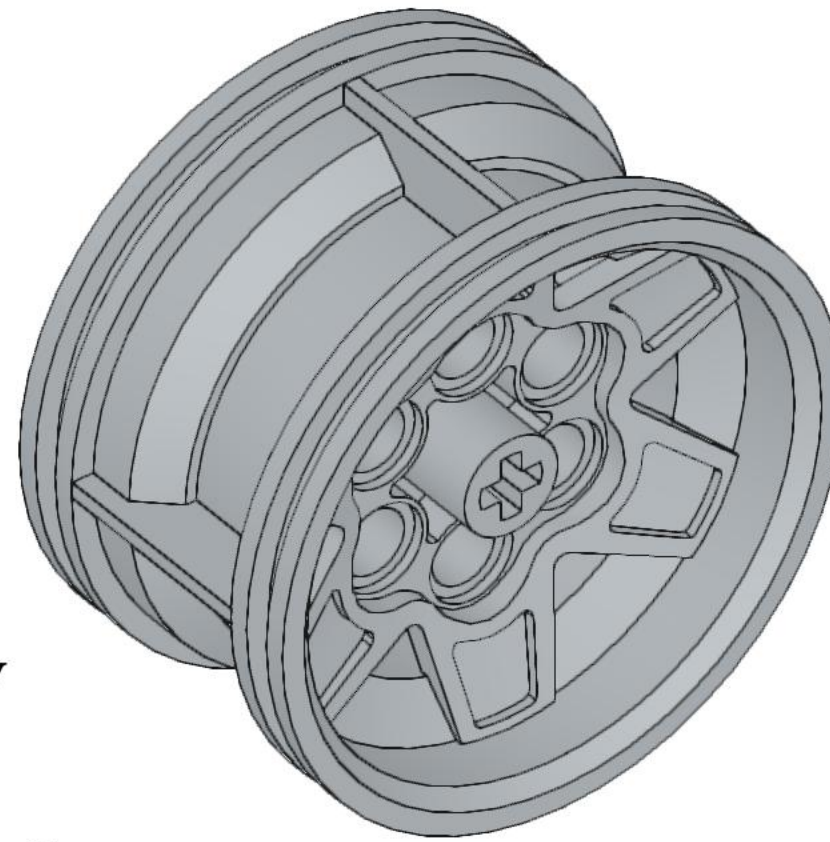




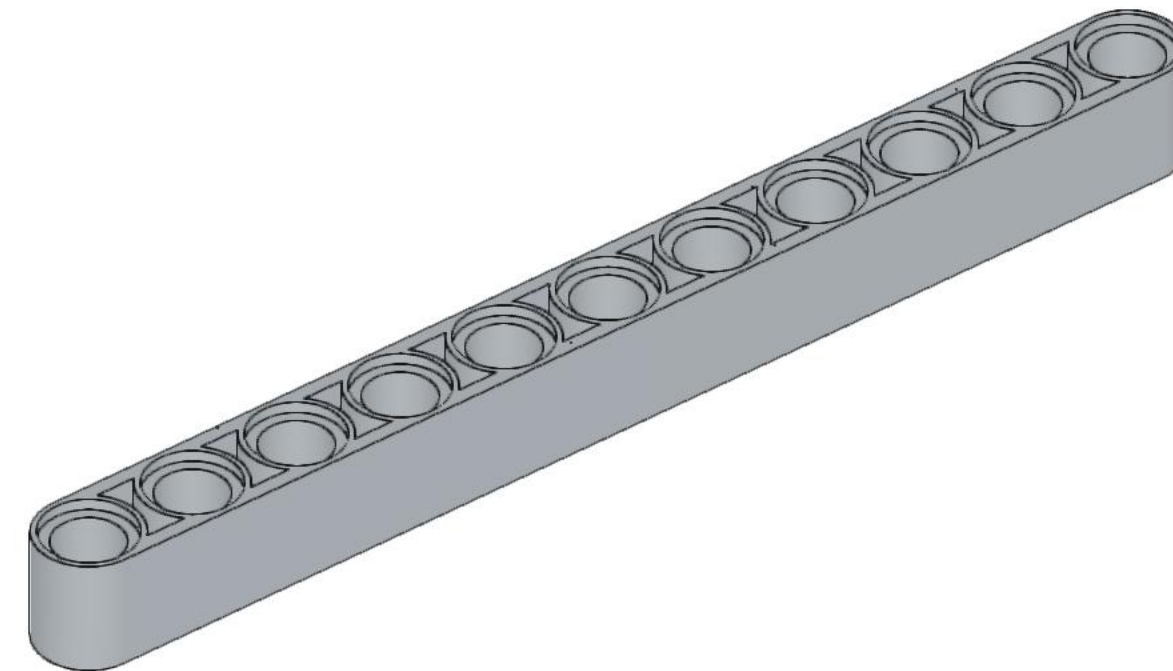
22x
2780
Black



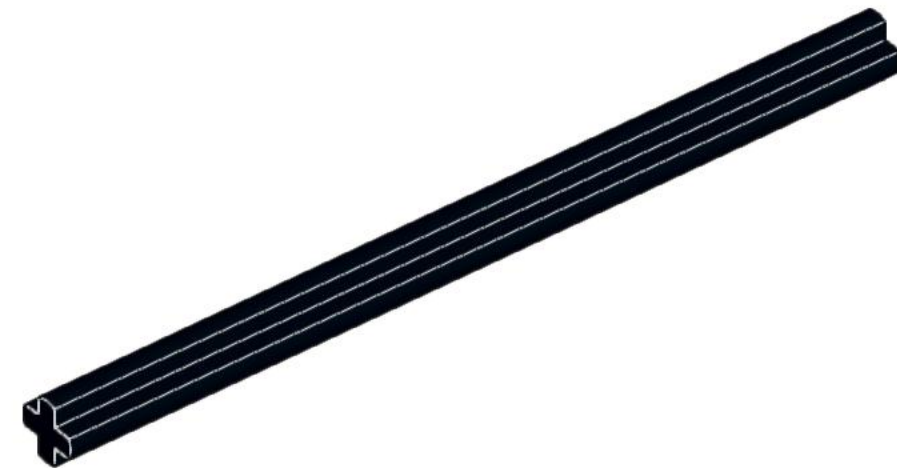
1x
92911
Dark Bluish Gray



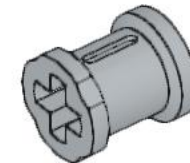
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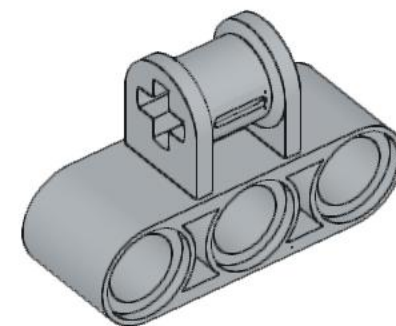
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32525
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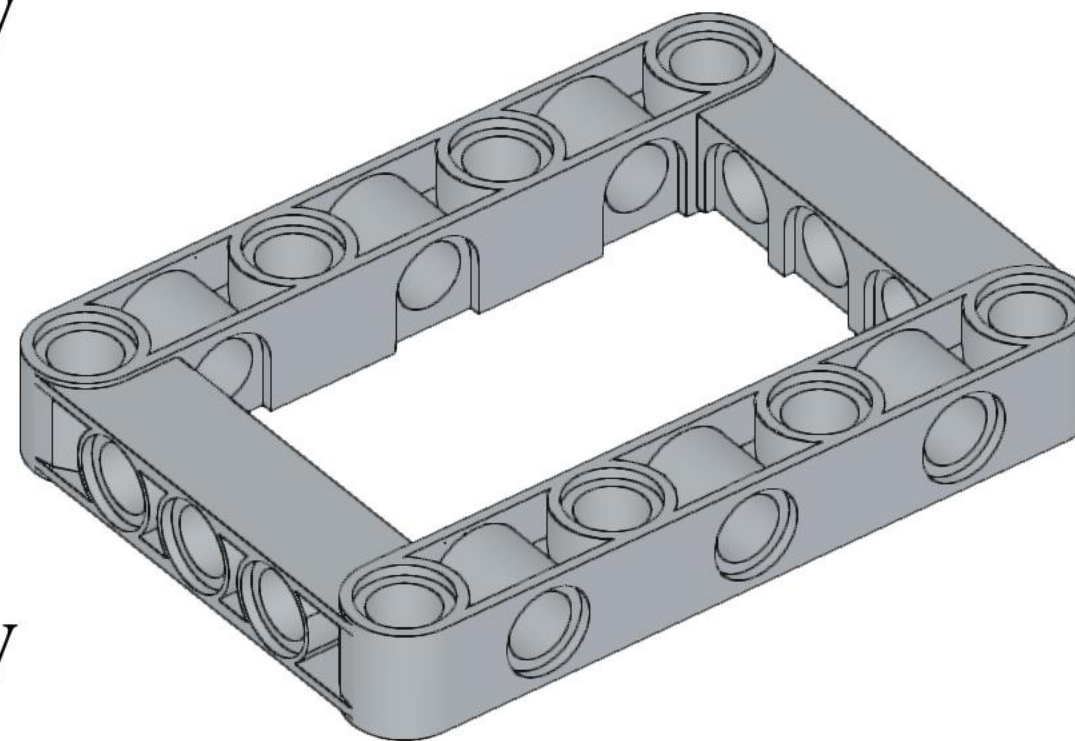
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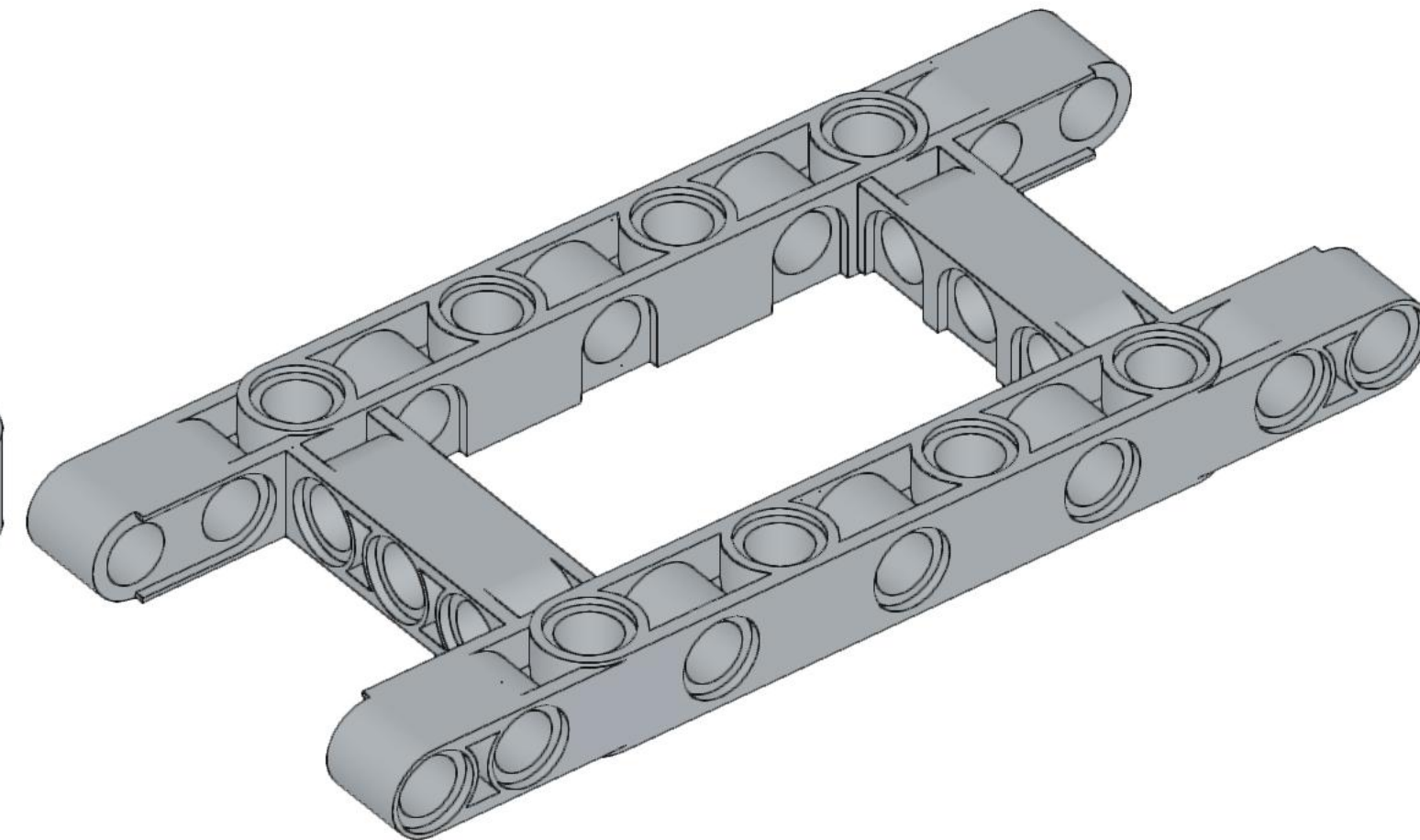
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Light Bluish Gray



1x
63869
Light Bluish Gray



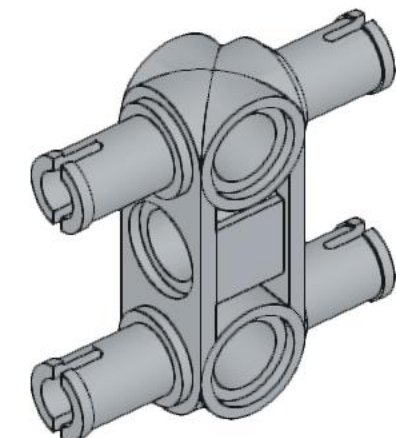
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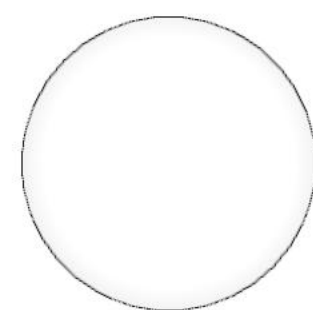
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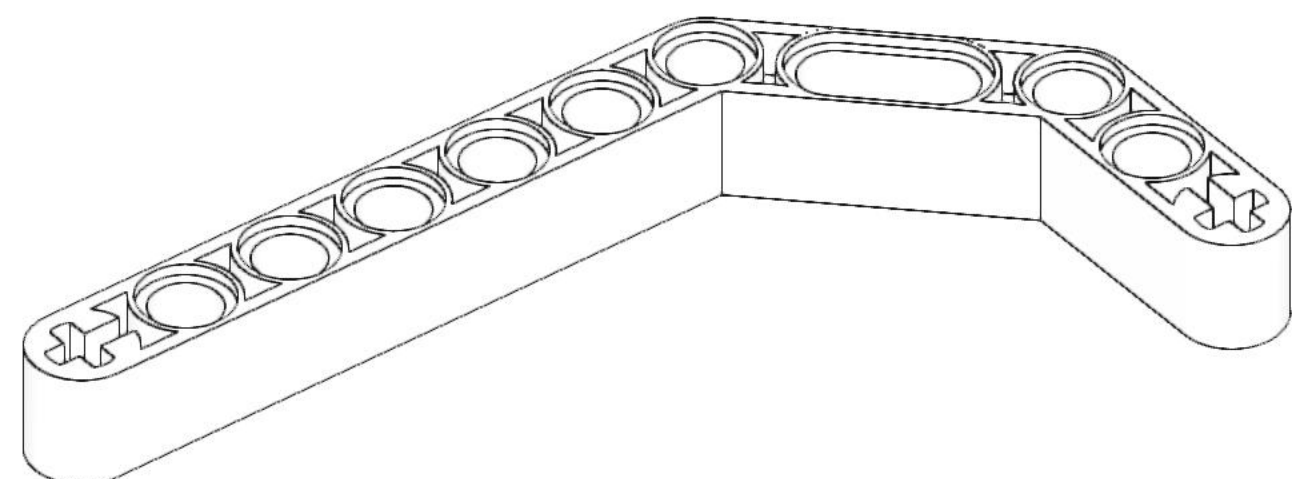
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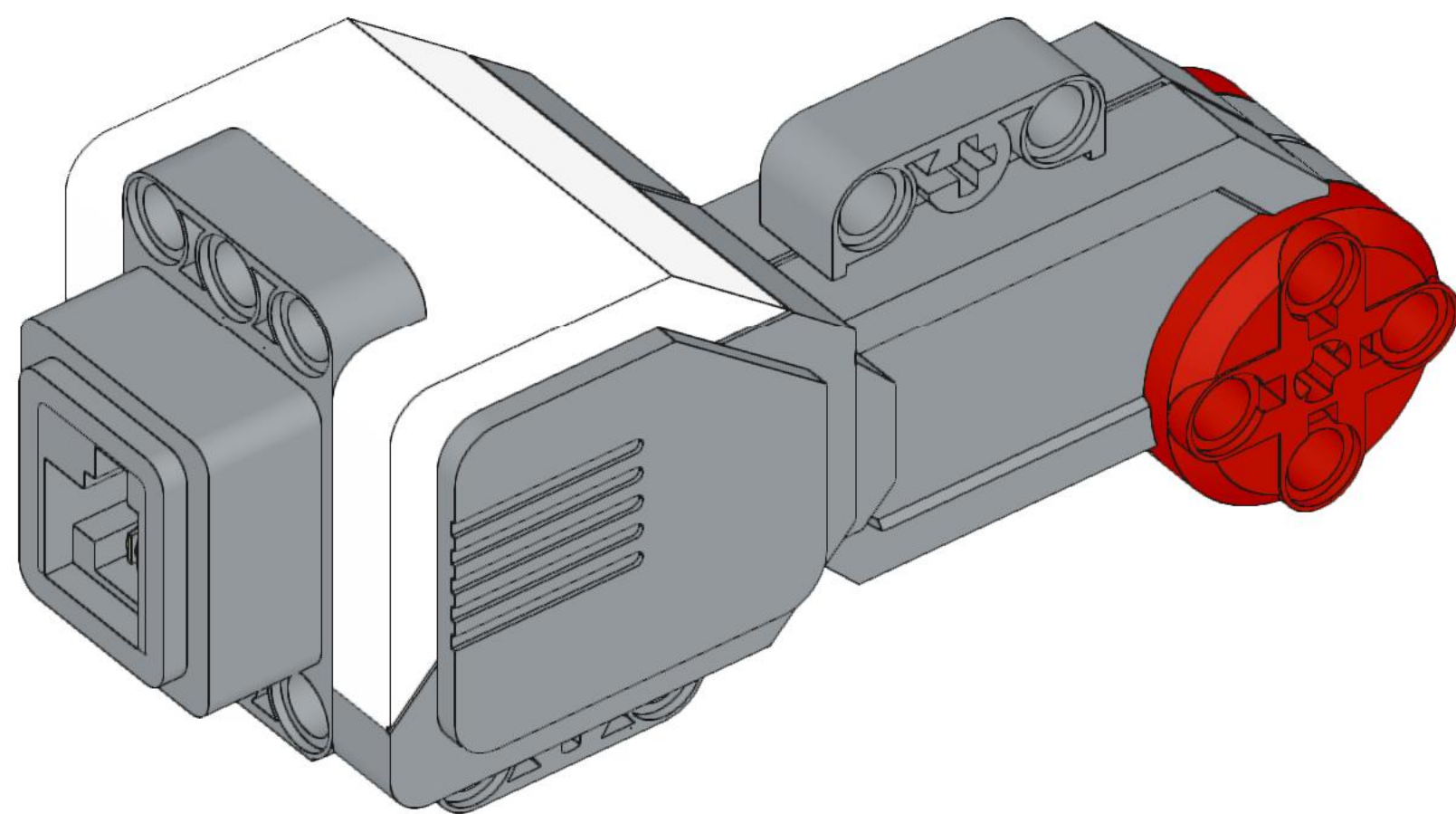
4x
48989
Light Bluish Gray



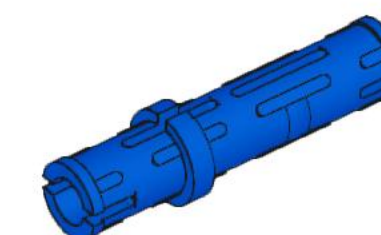
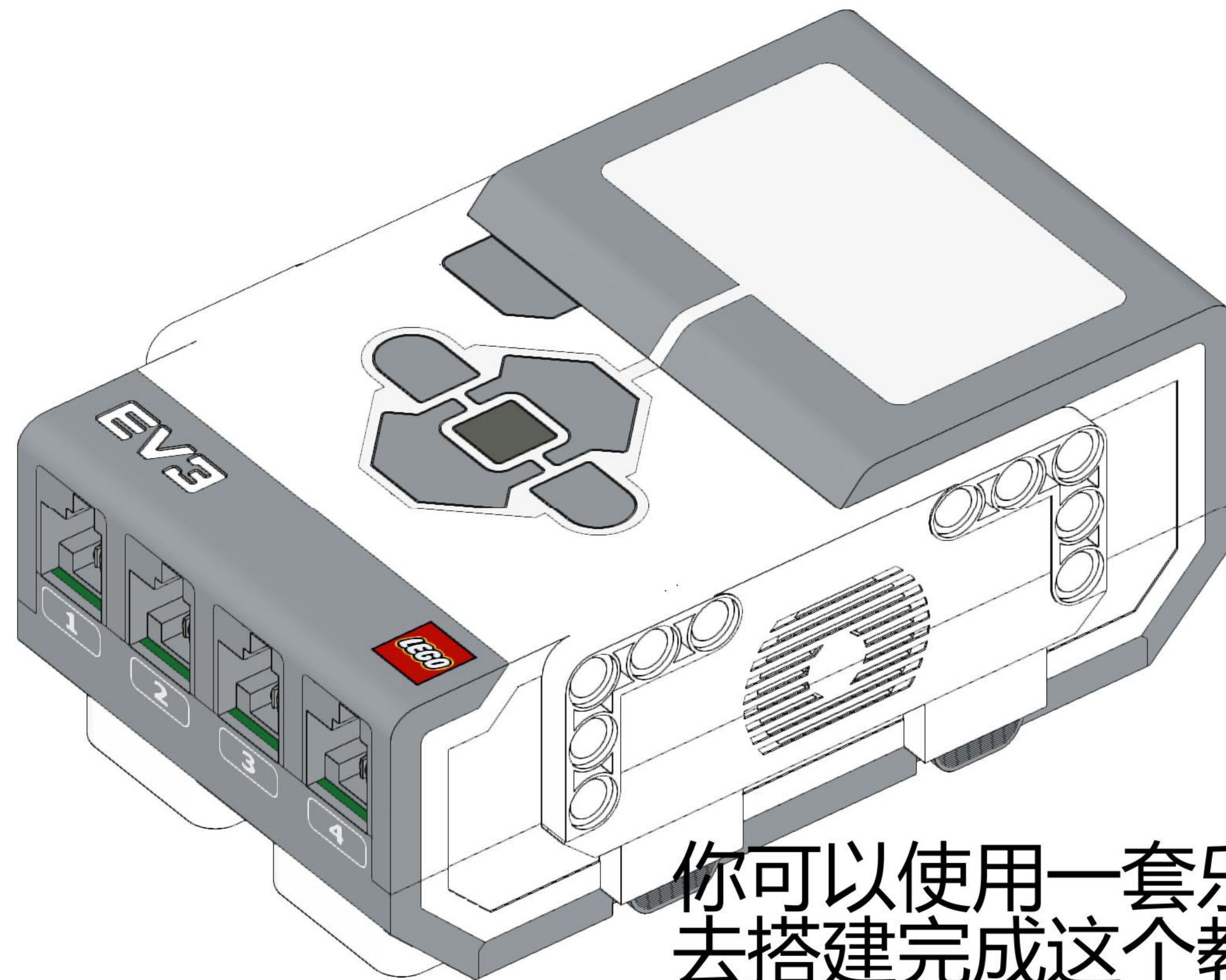
1x
99948
White



2x
32009
White

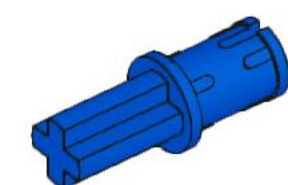


2x
95658
White



4x
6558
Blue

1x
95646c01
White

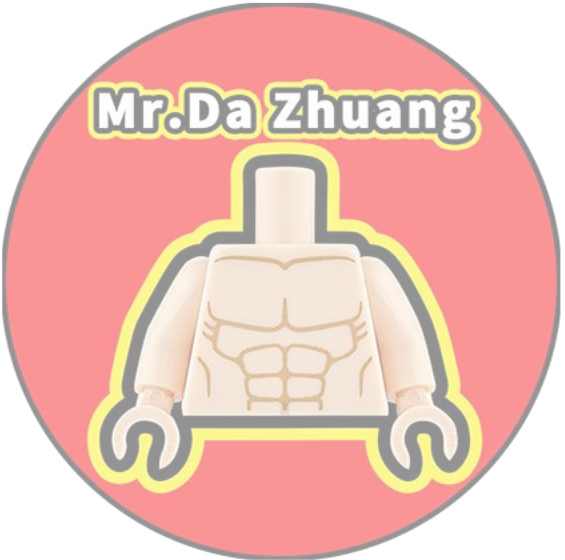
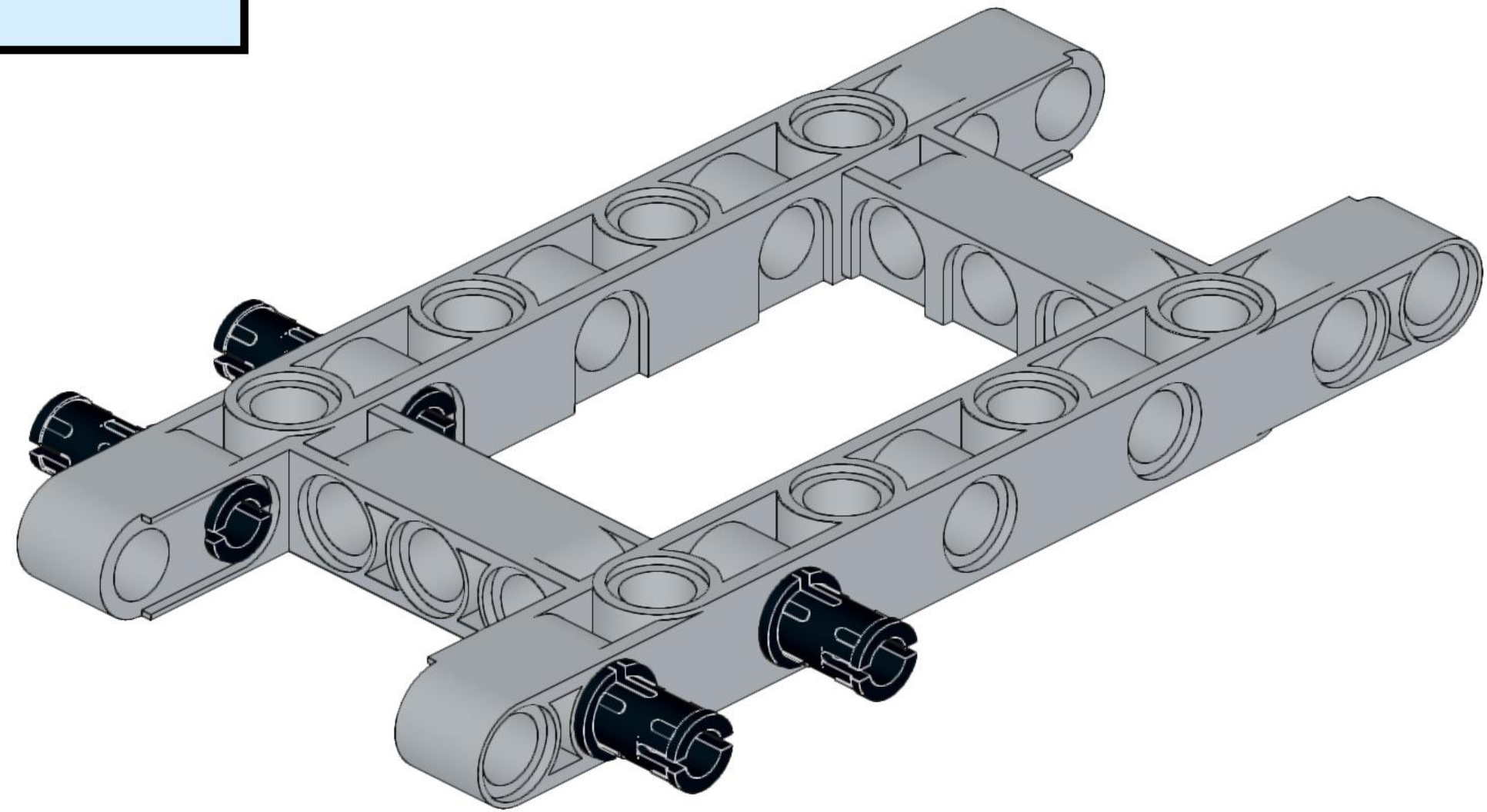
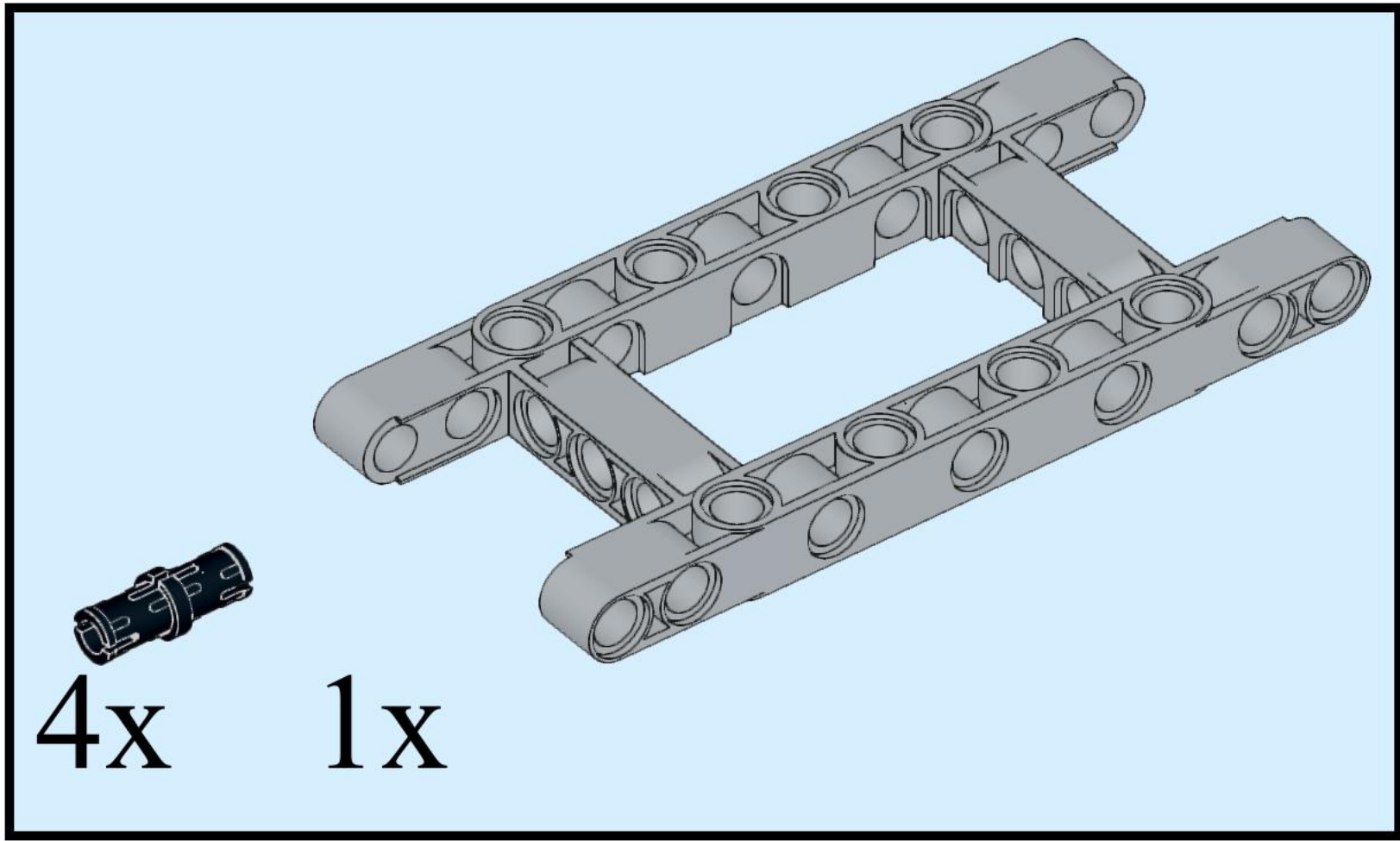


2x
43093
Blue

你可以使用一套乐高EV3 45544套装
去搭建完成这个教程的所有作品，不
需要额外的45560套装

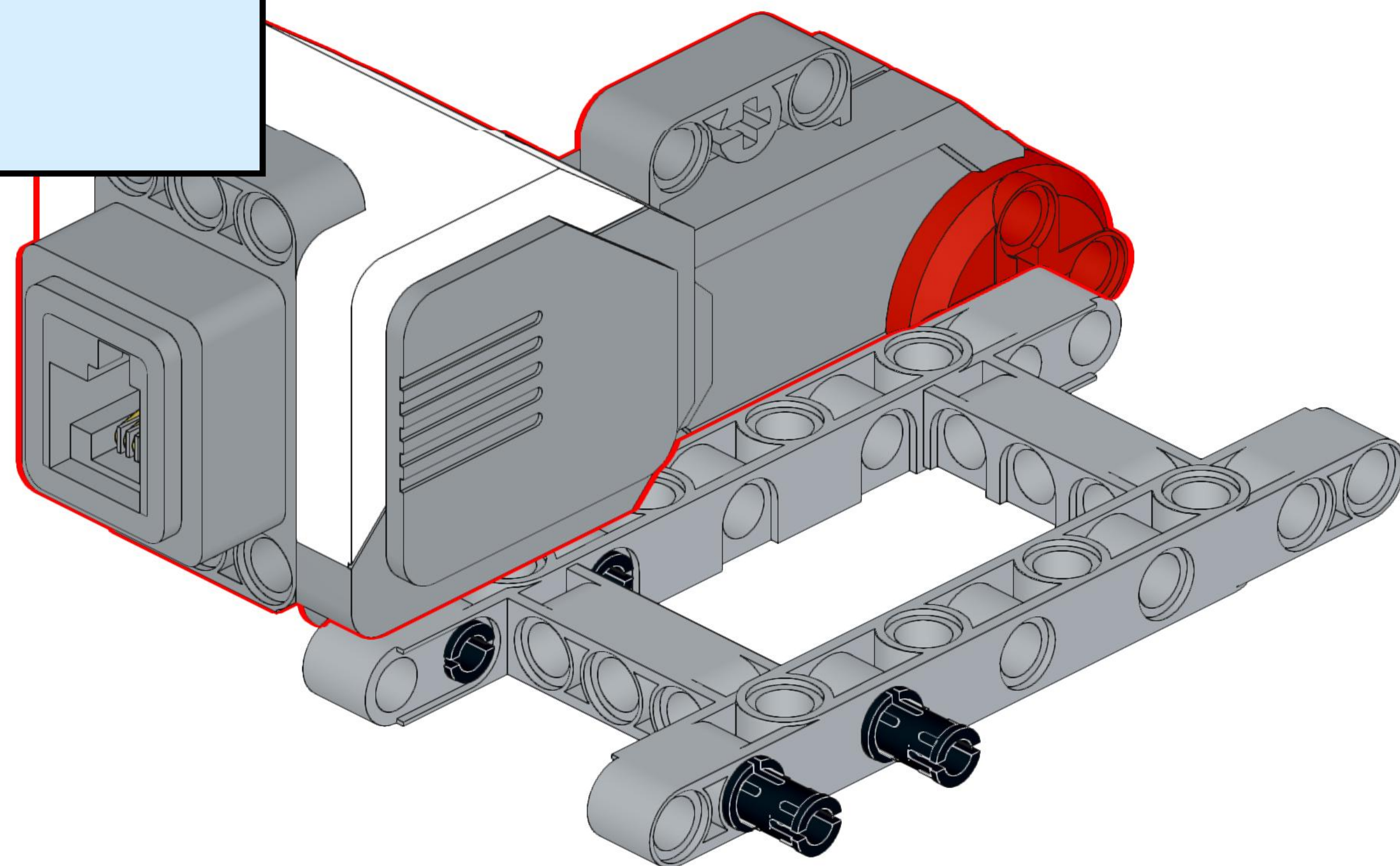
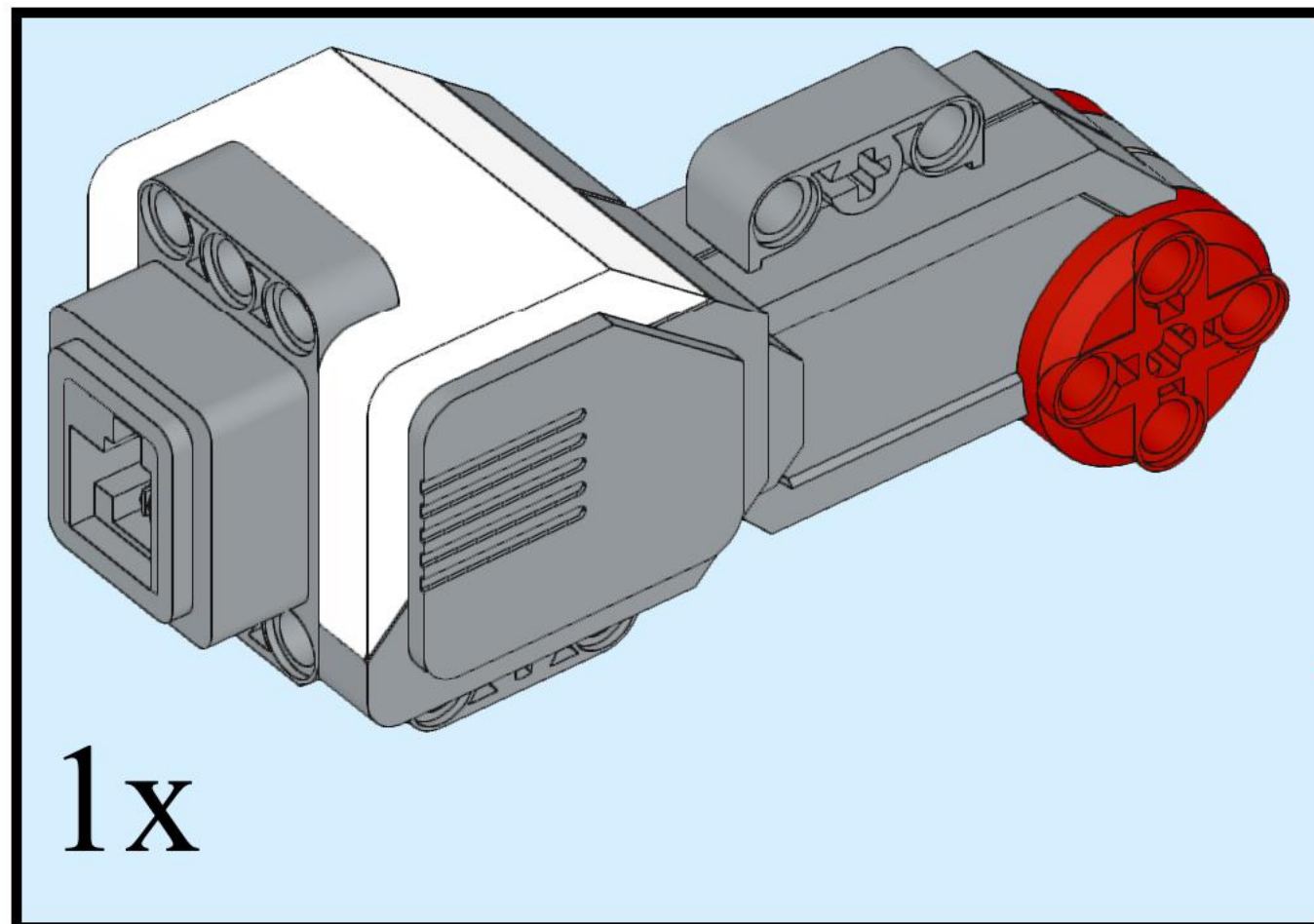
You can use one set of LEGO EV3 455
44 to build all the works in this tutorial,
no additional 45560 set is needed

1

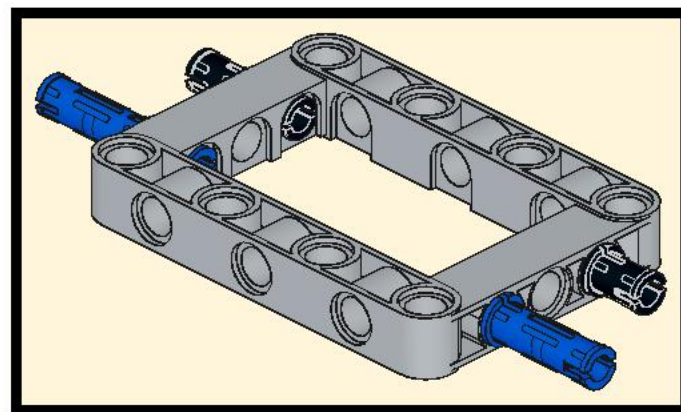
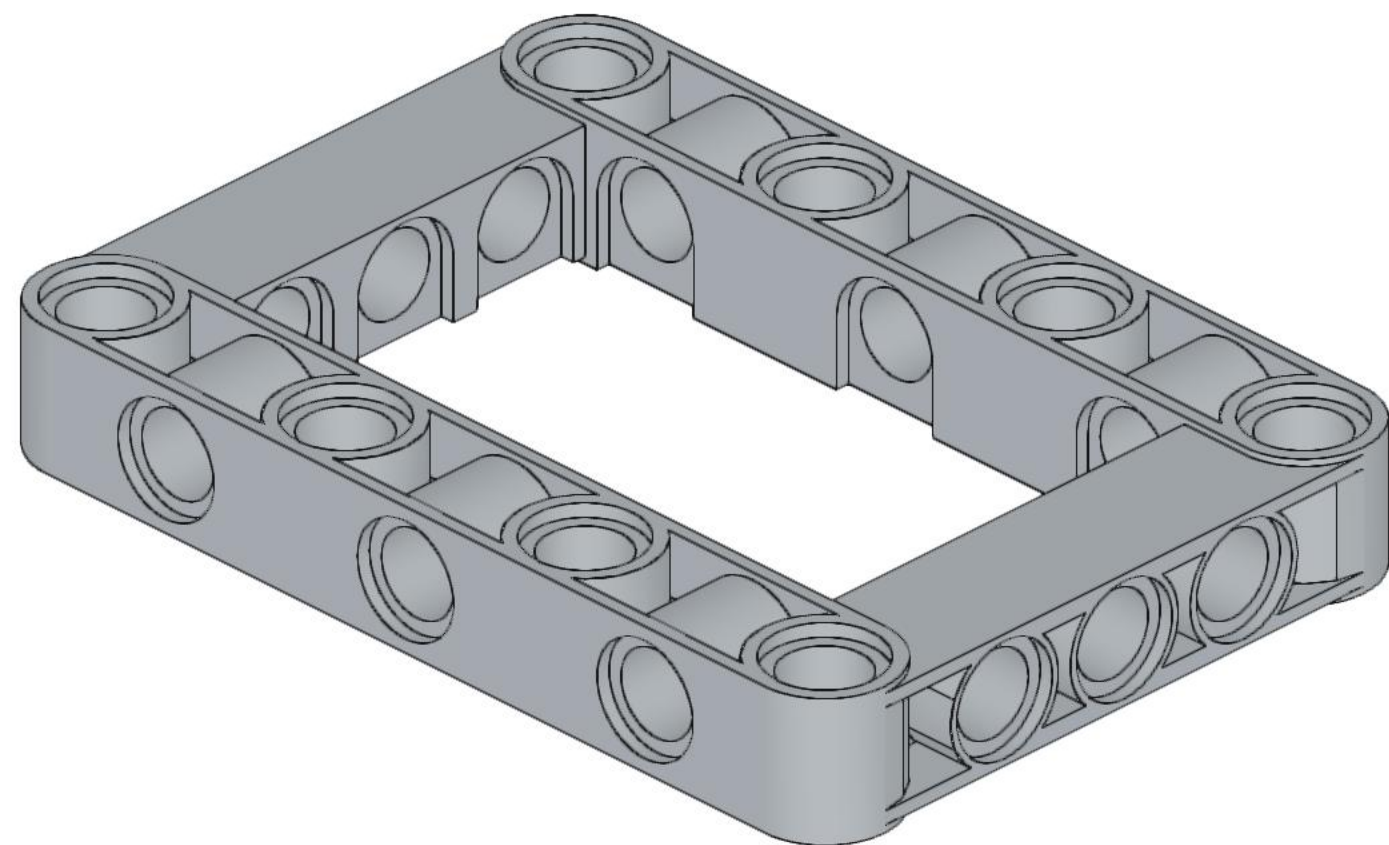
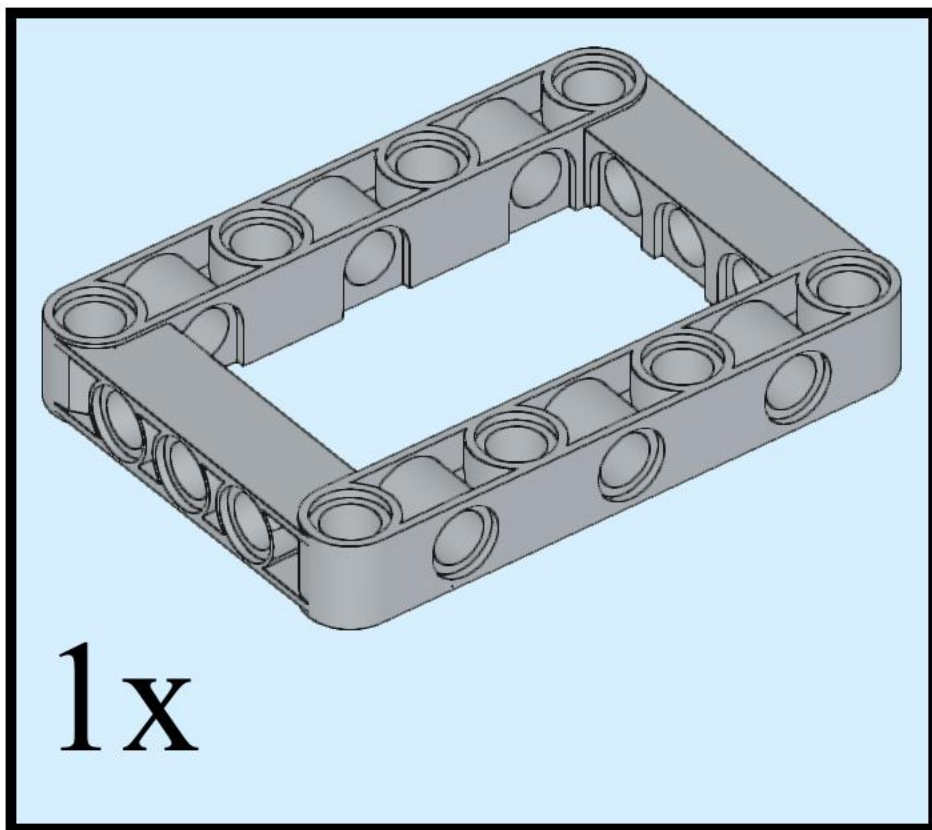


Mr. Da Zhuang
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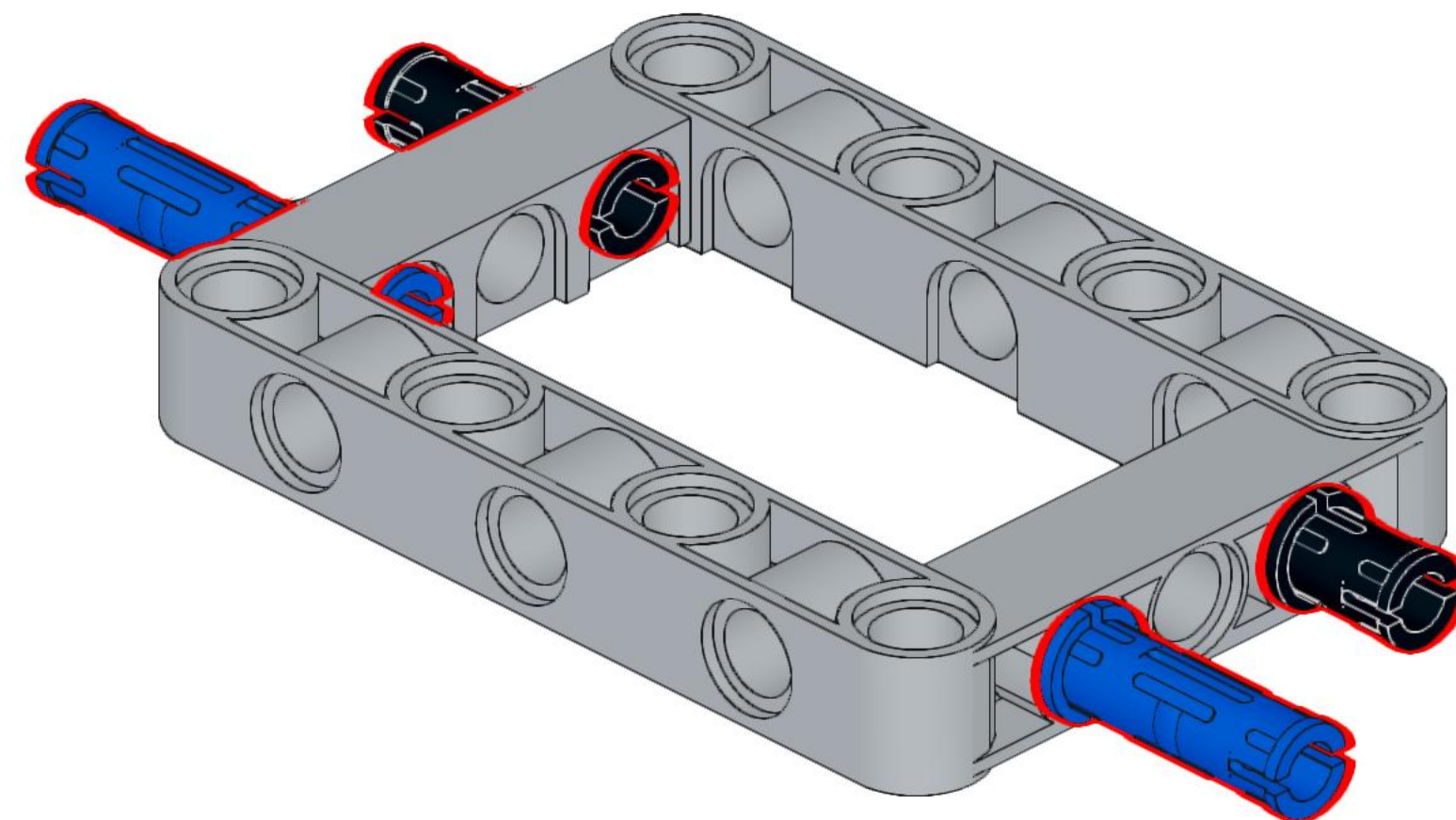
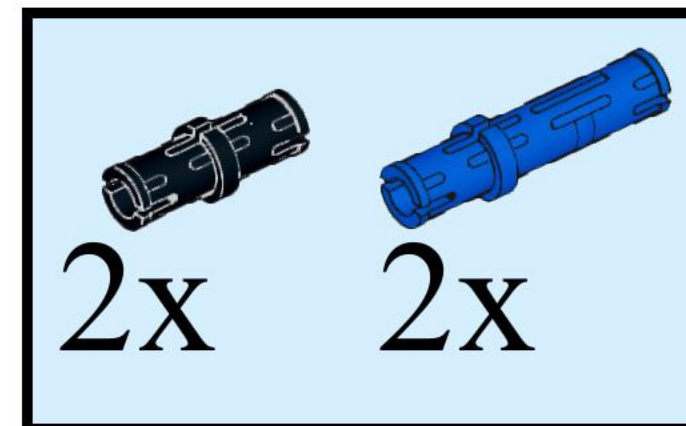
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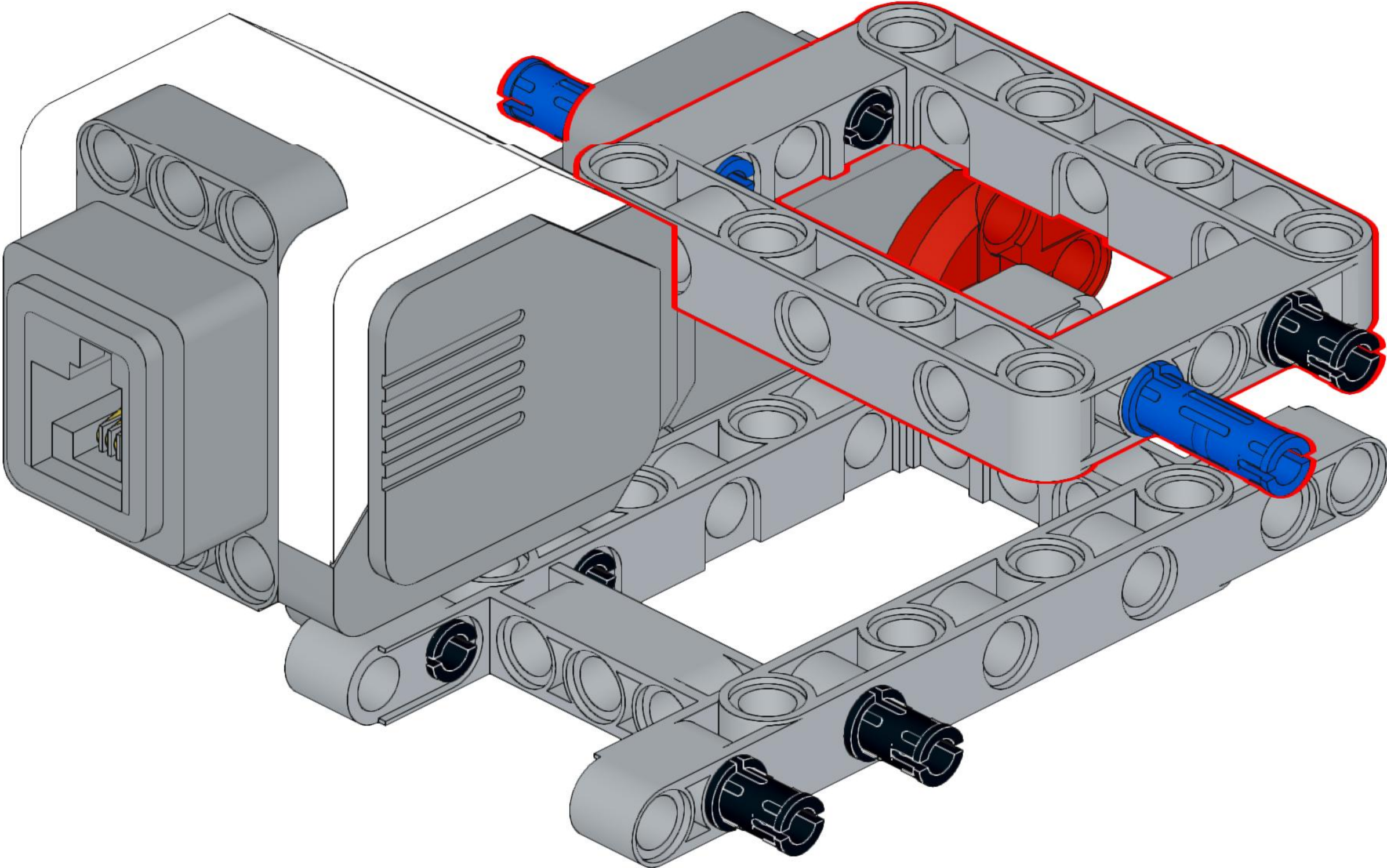
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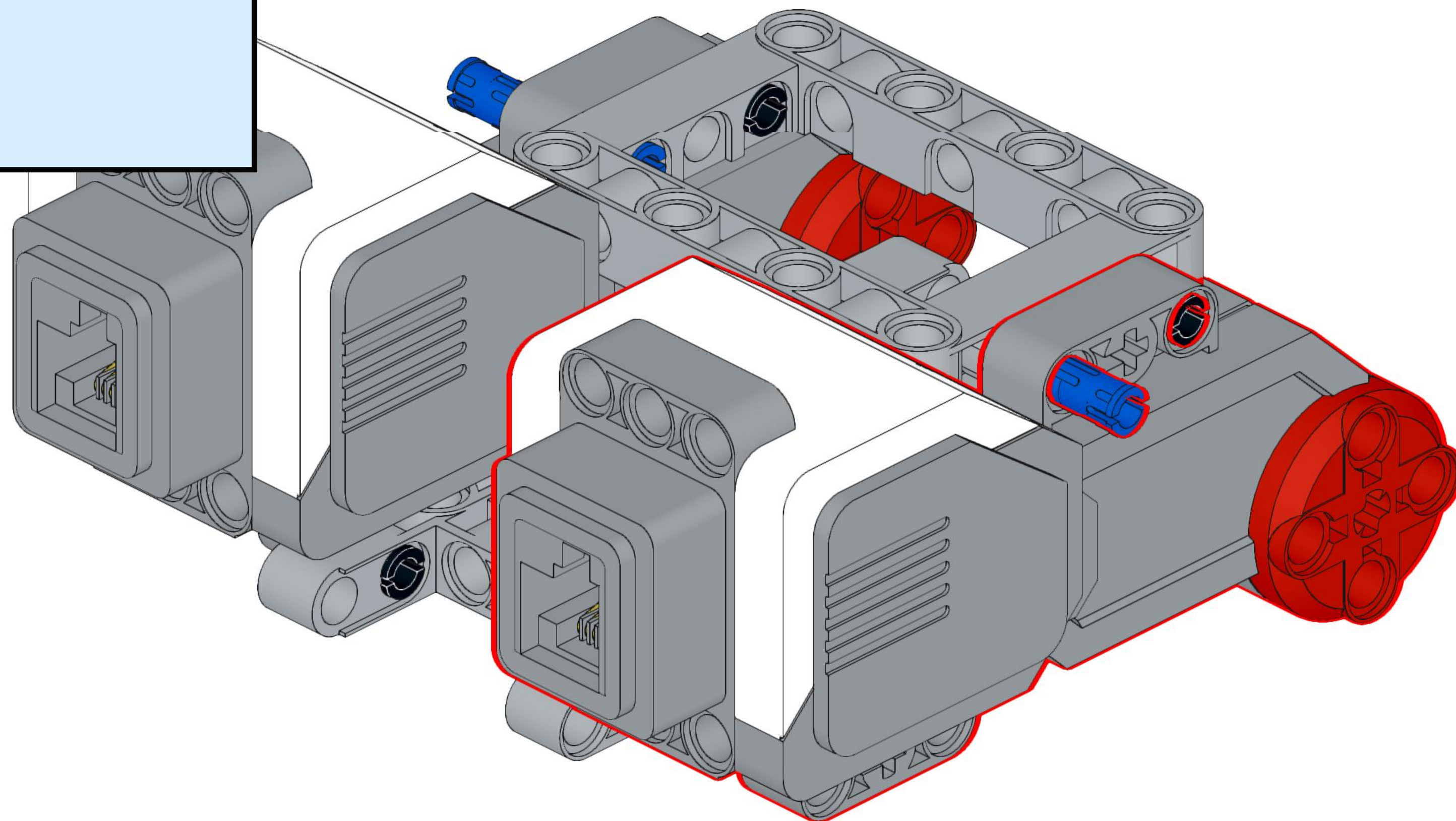
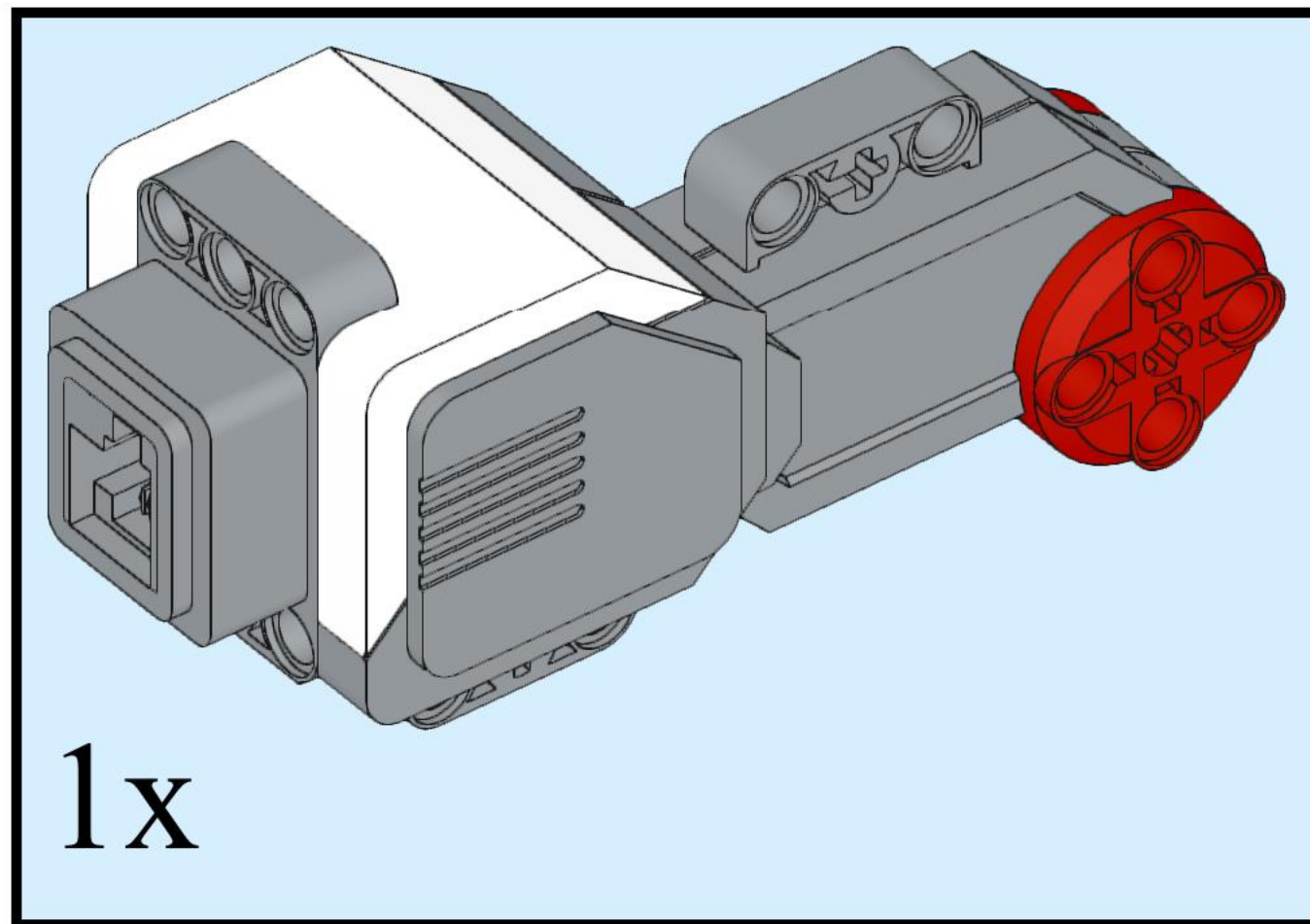
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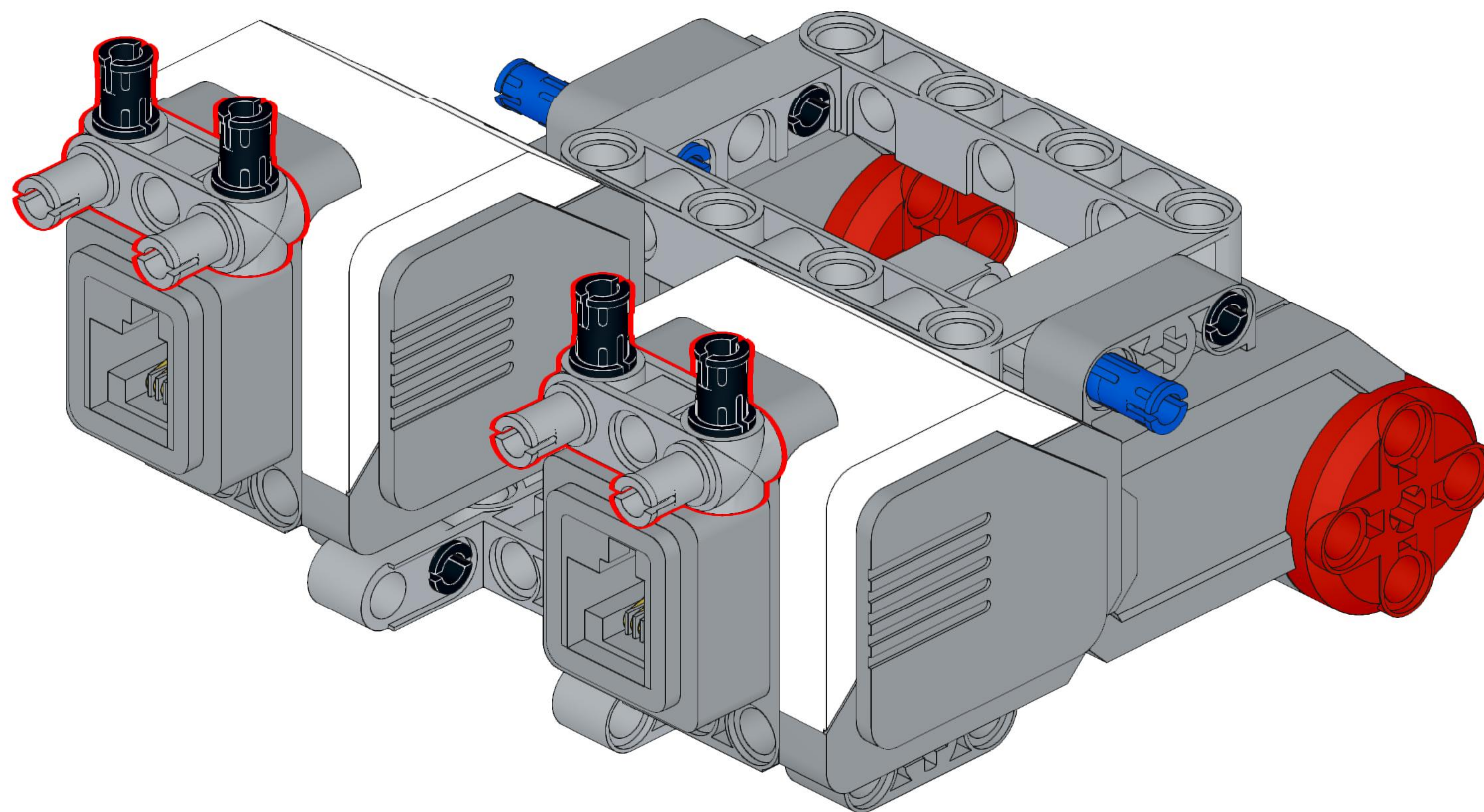
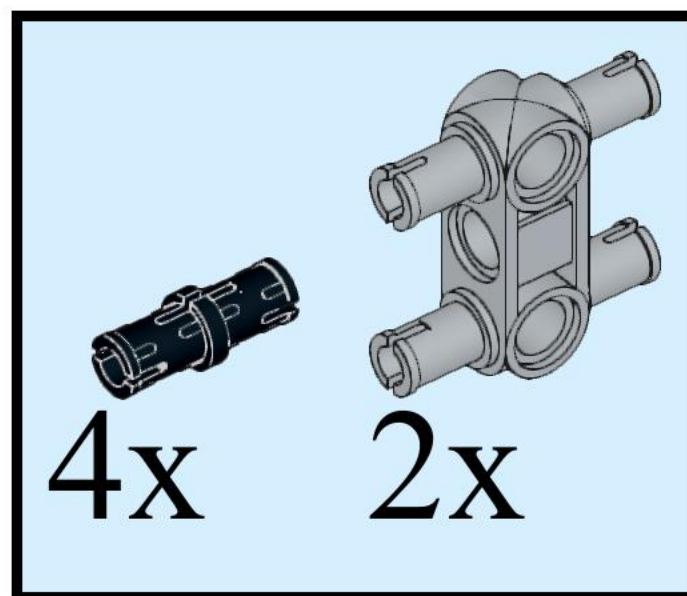
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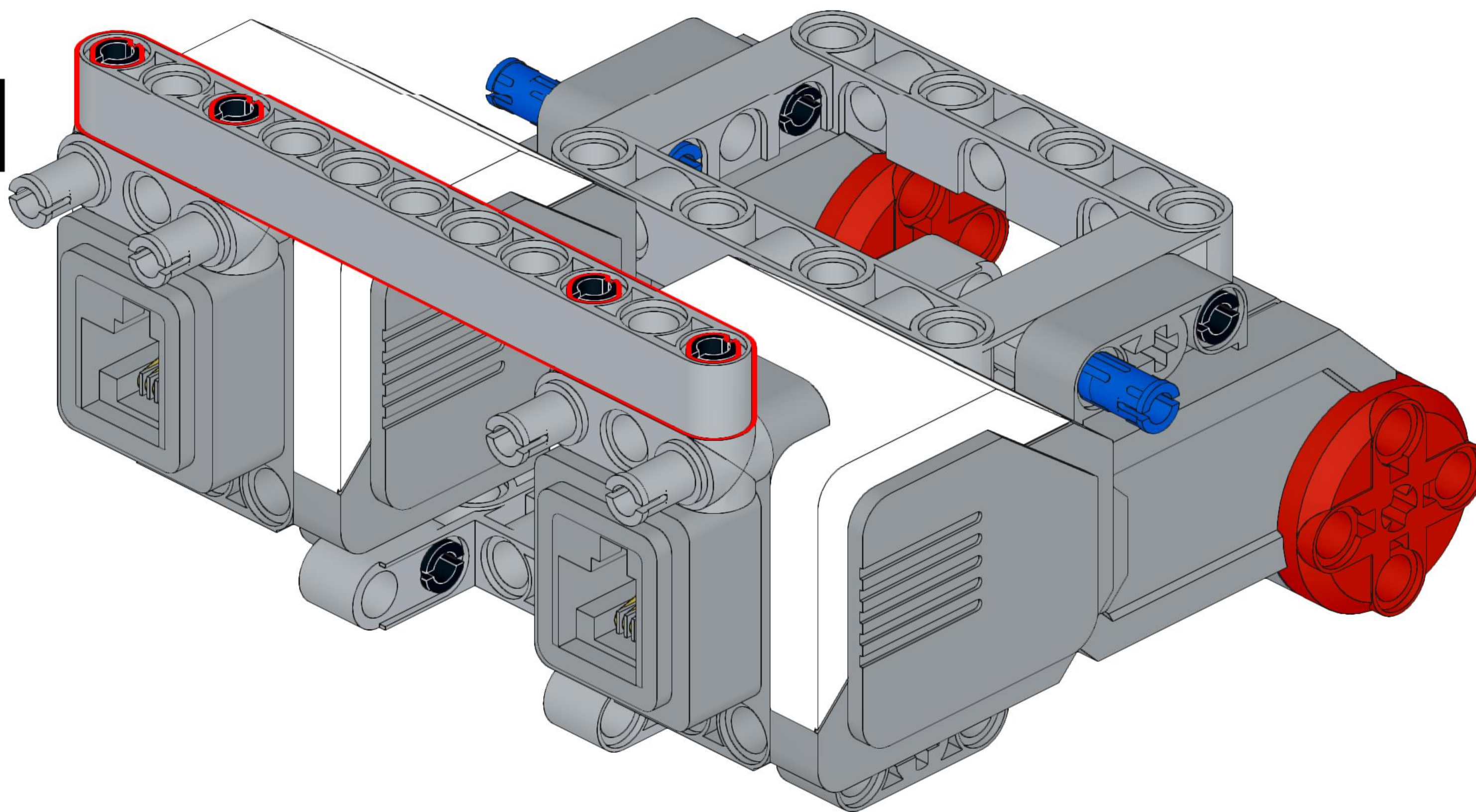
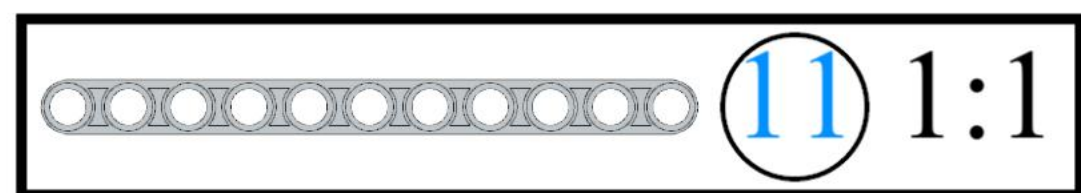
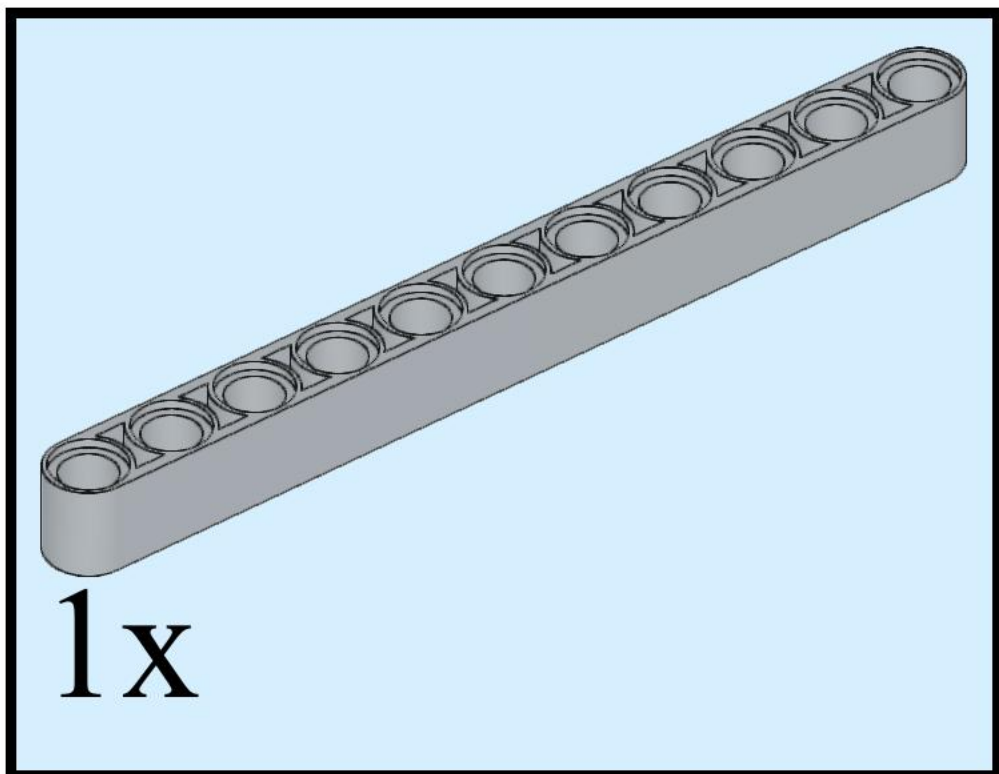
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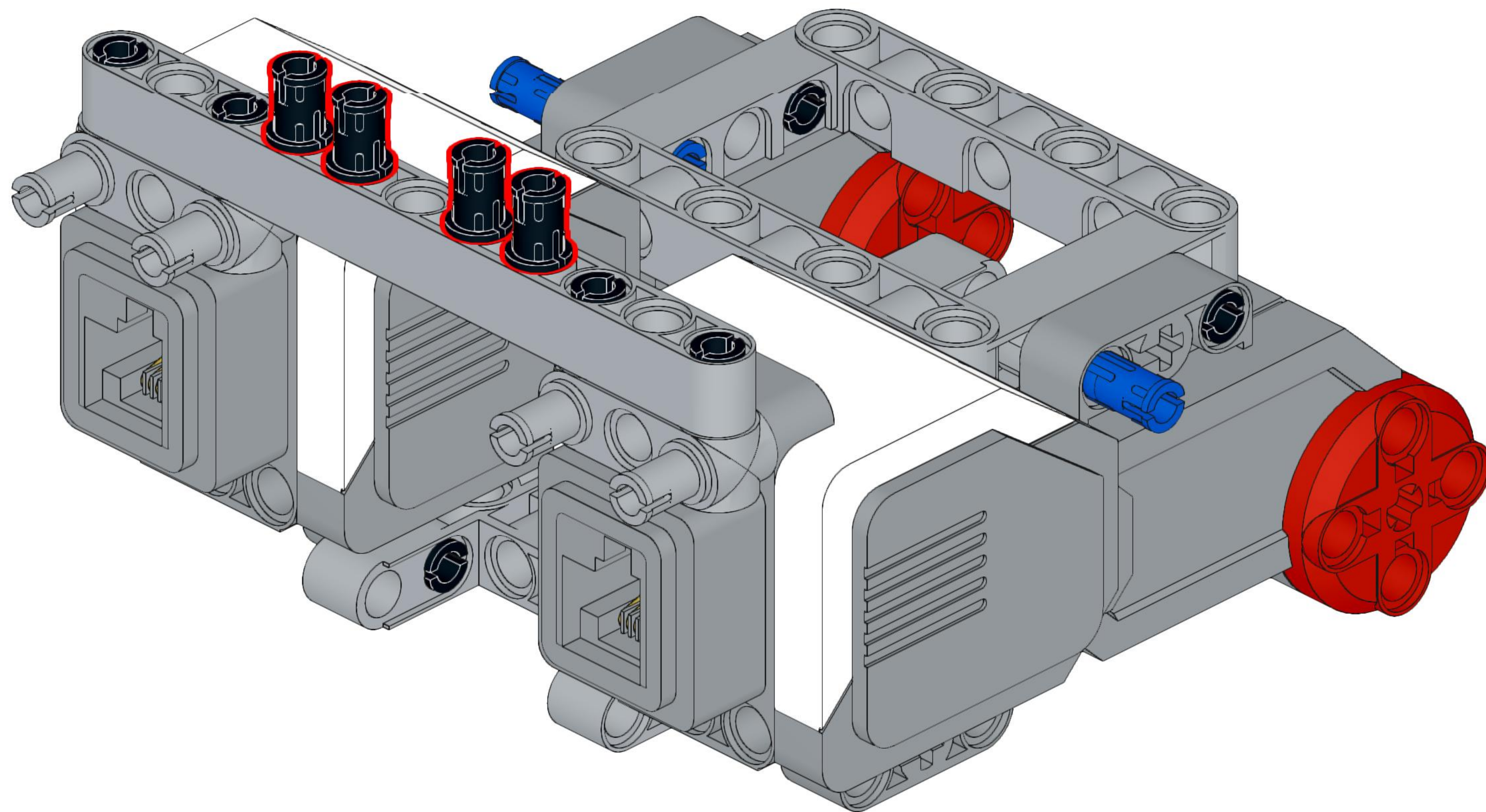
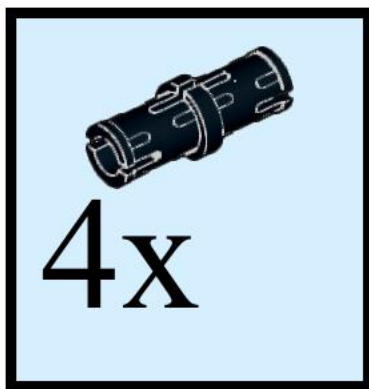
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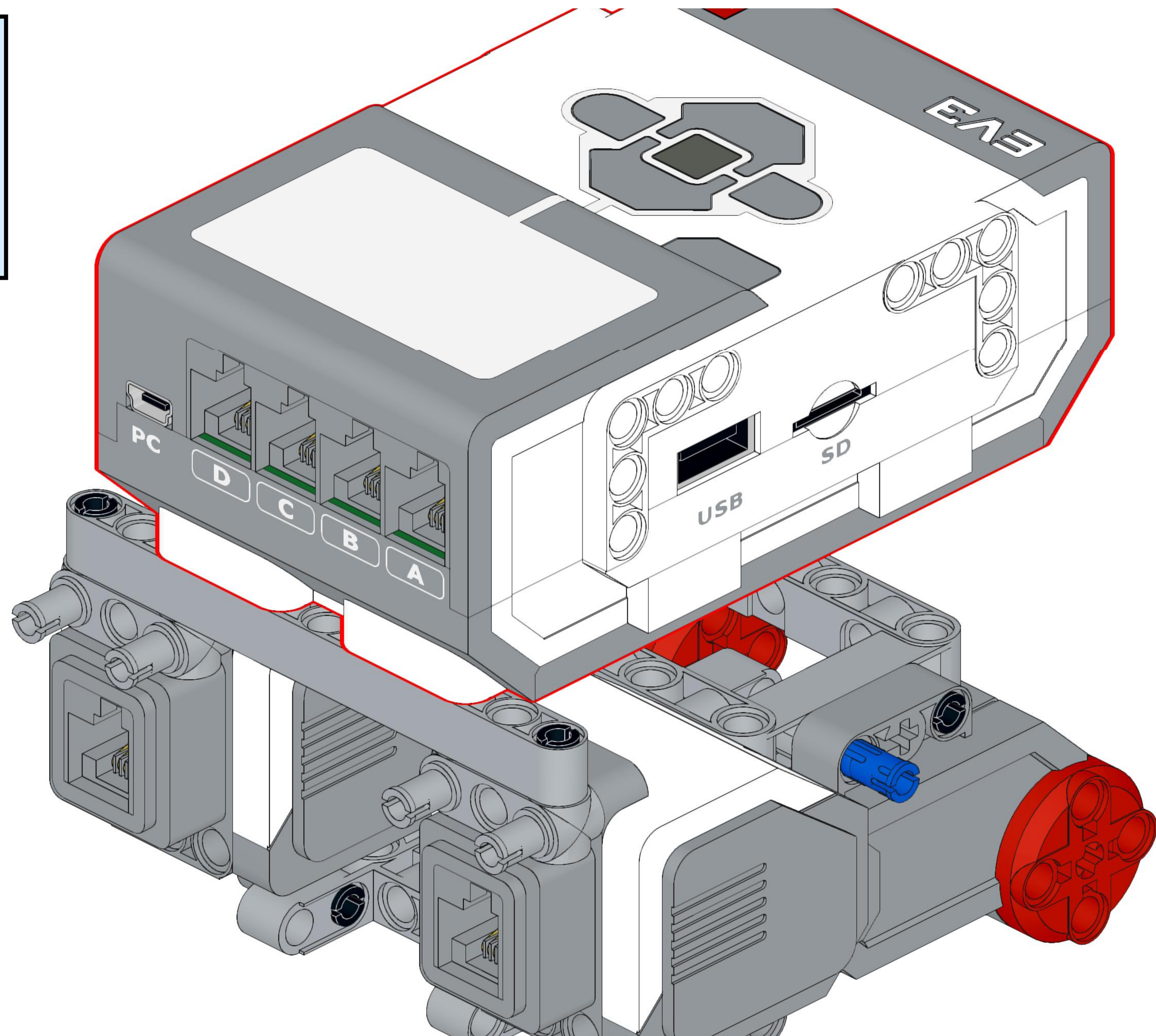
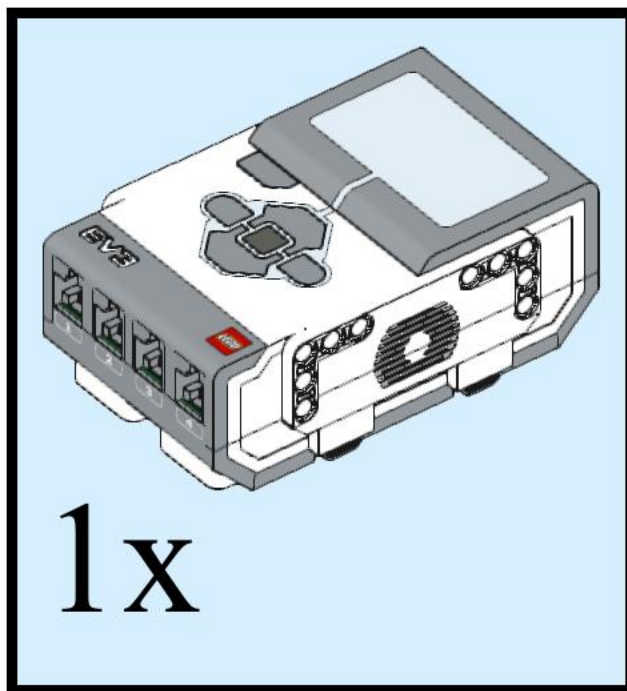
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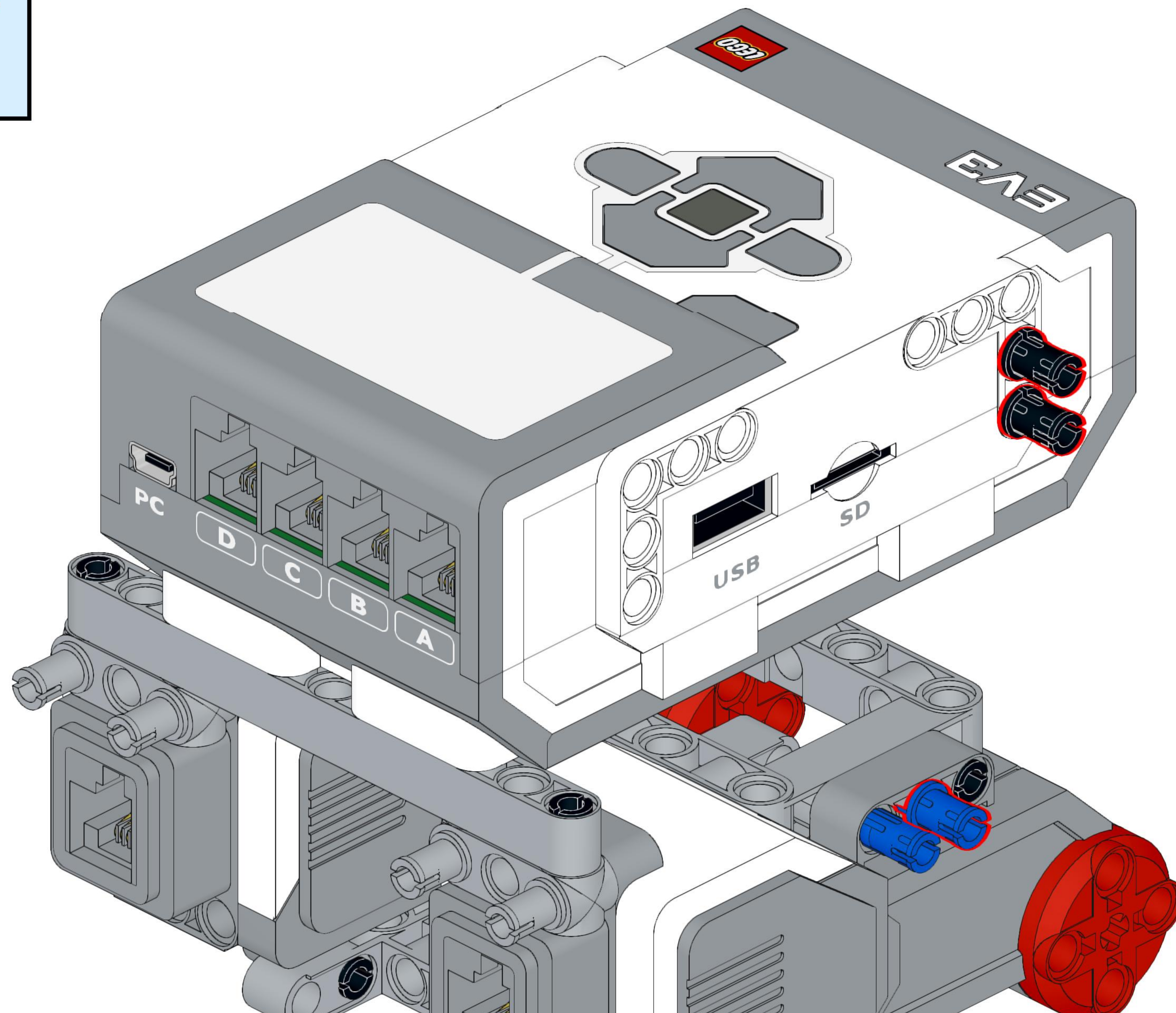
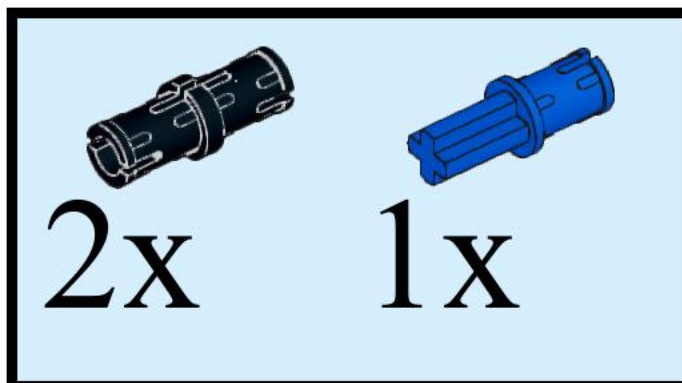
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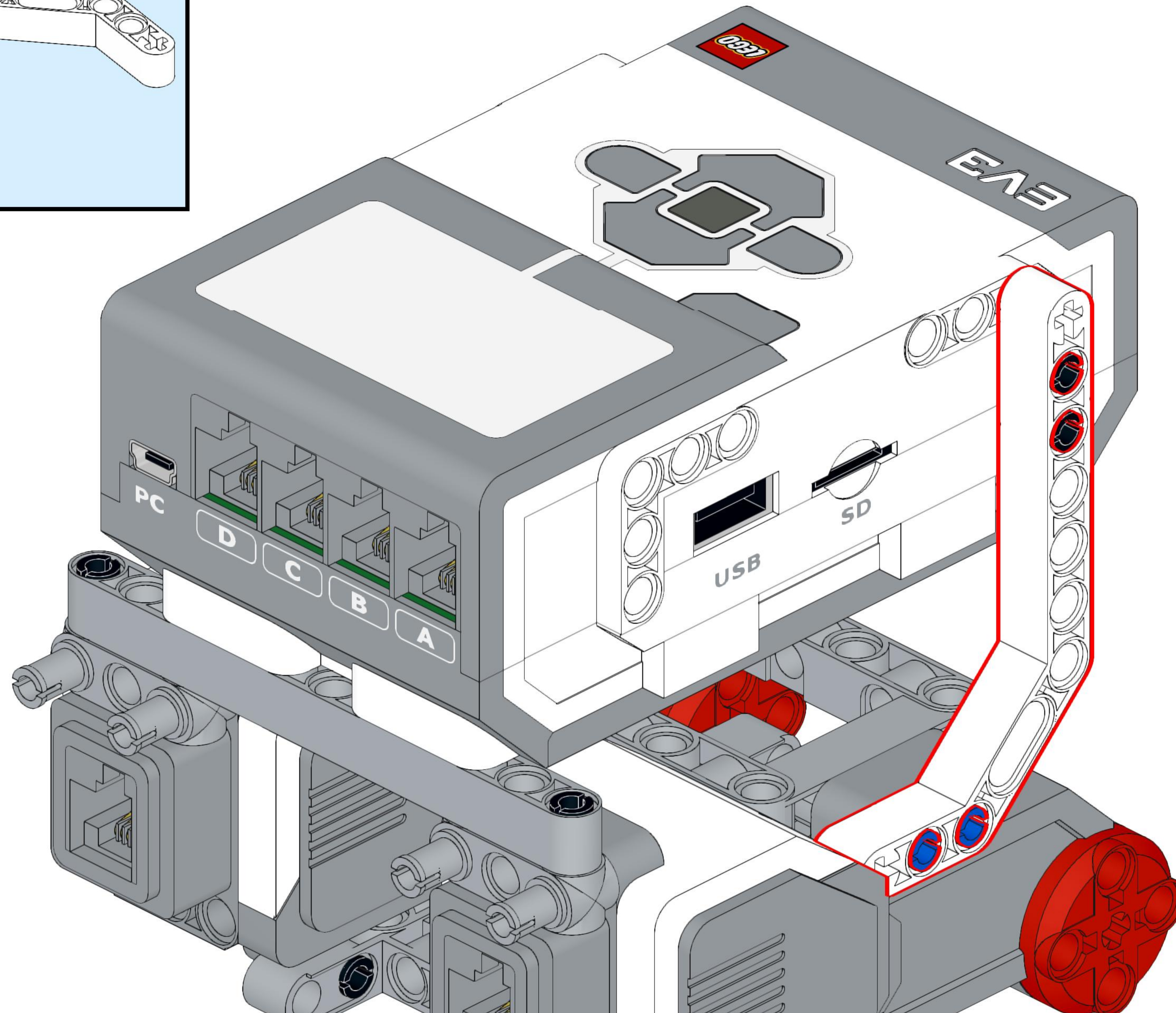
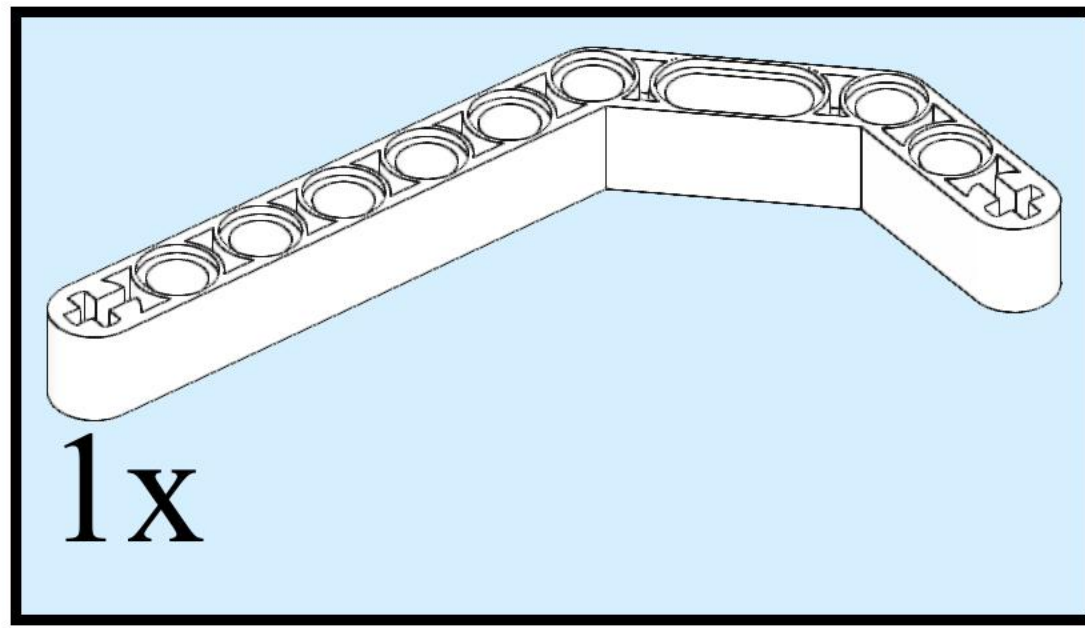
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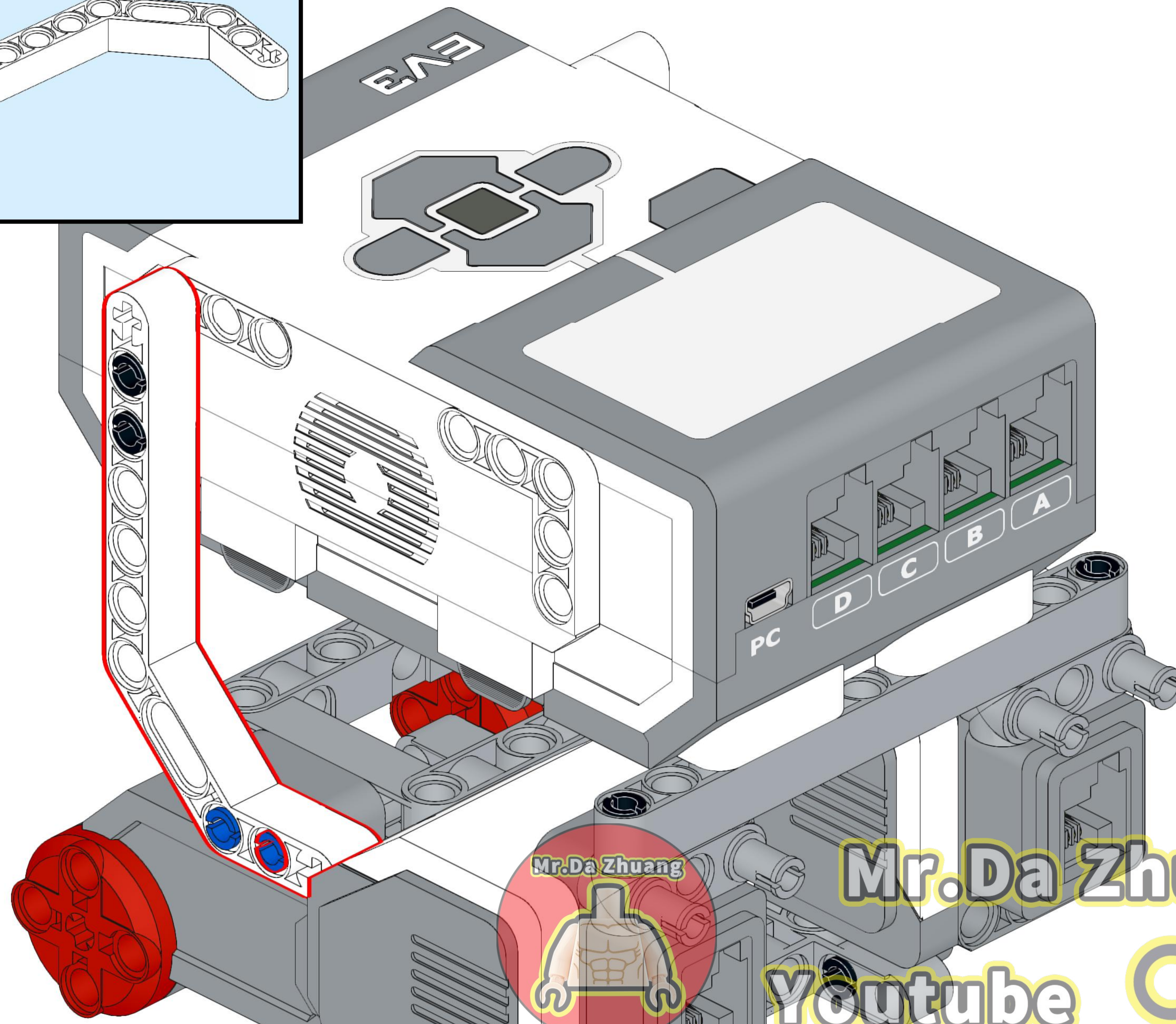
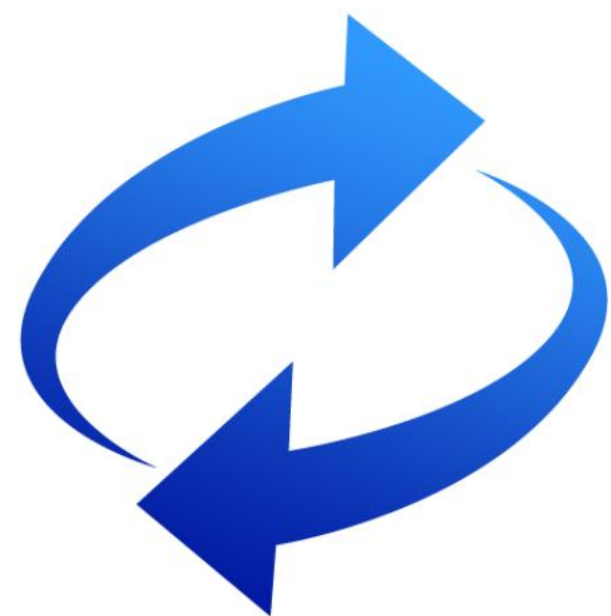
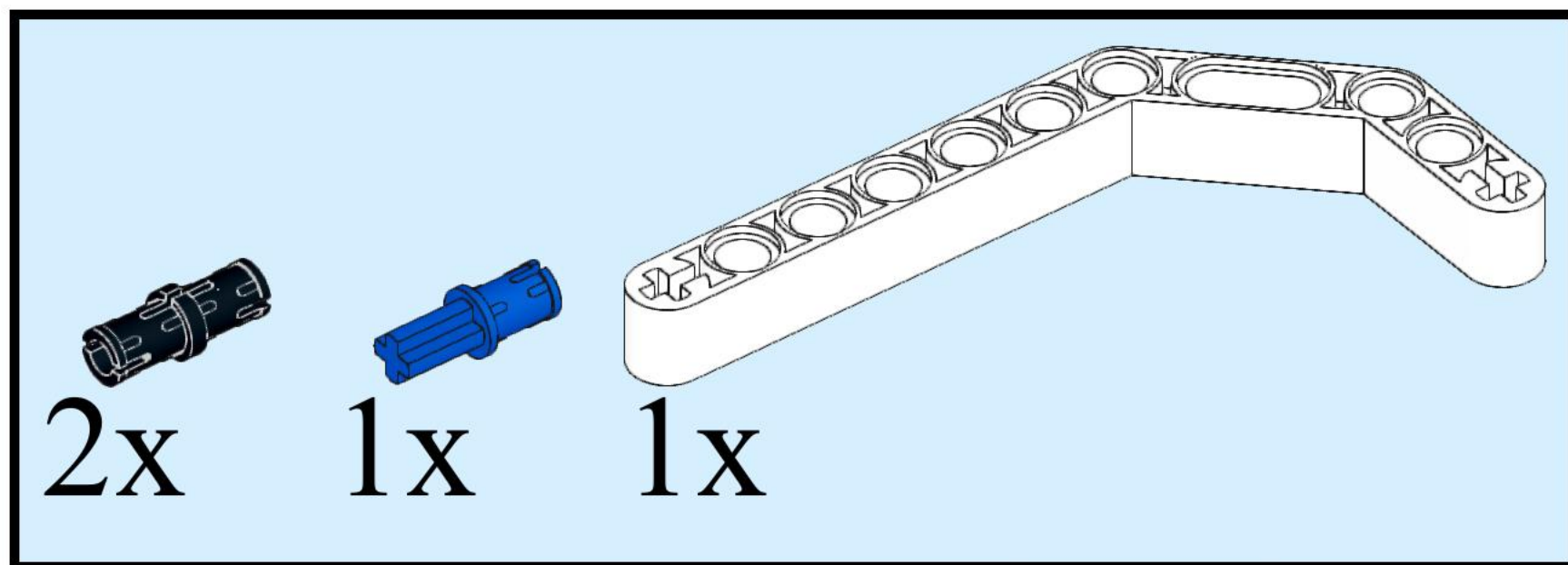
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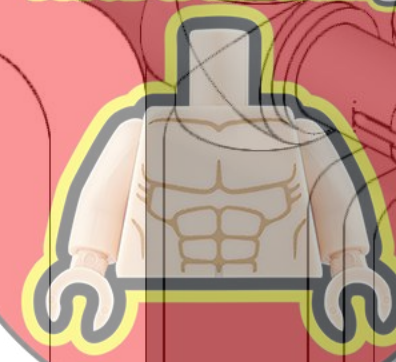
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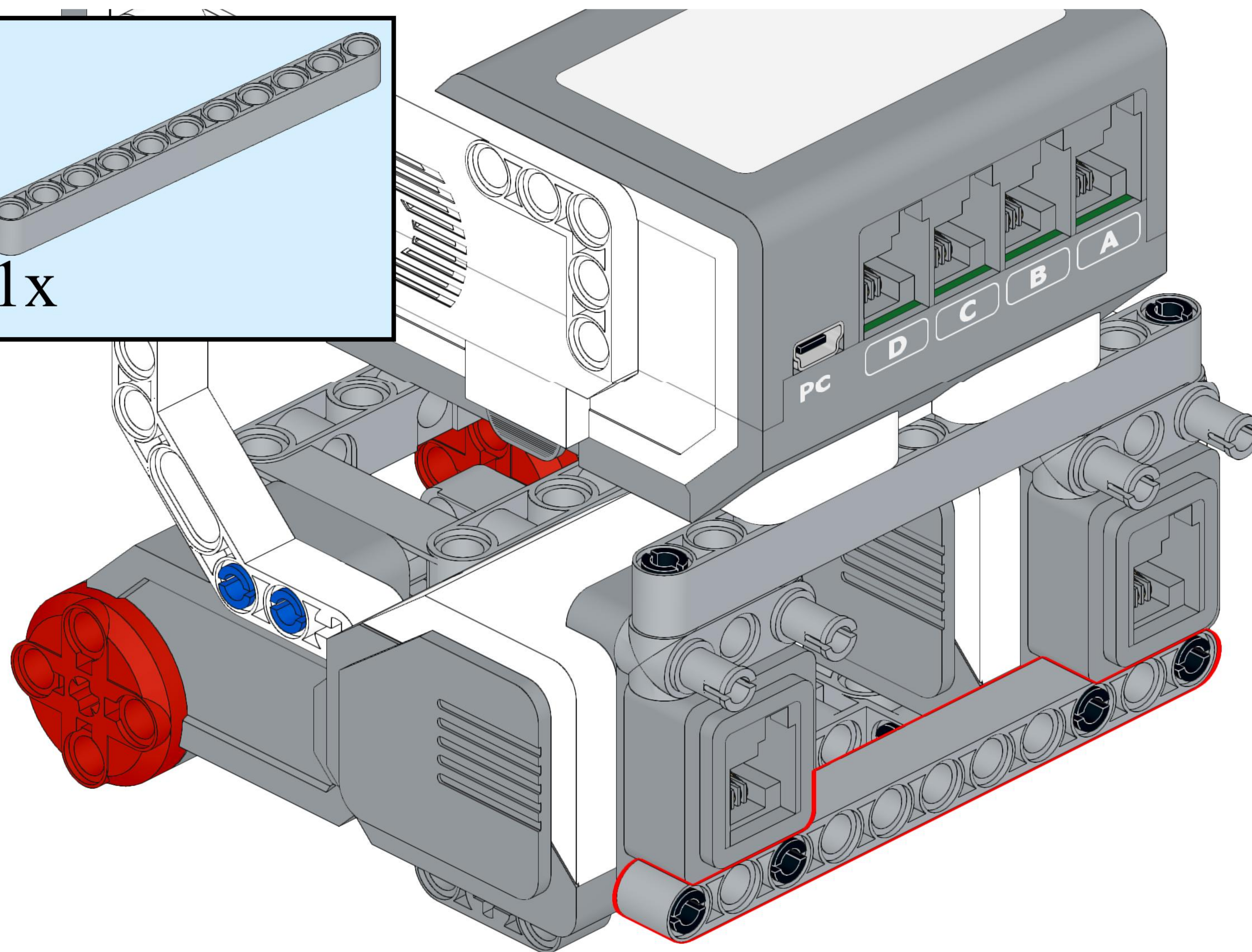
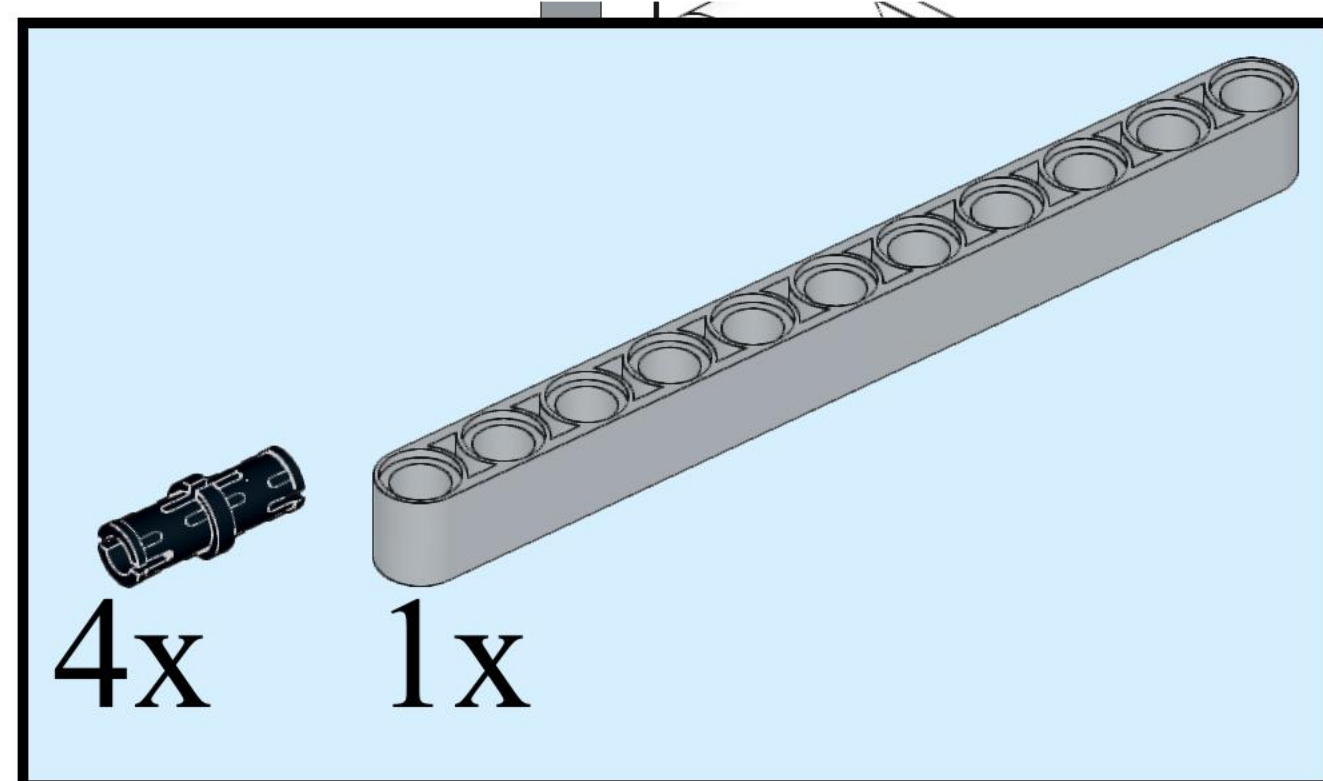
Mr.Da Zhuang



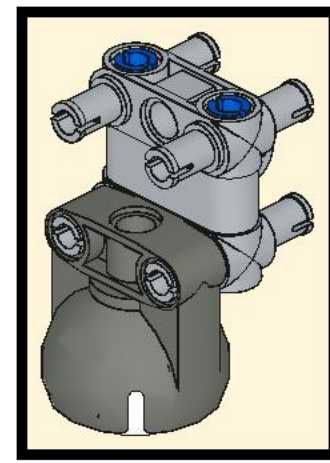
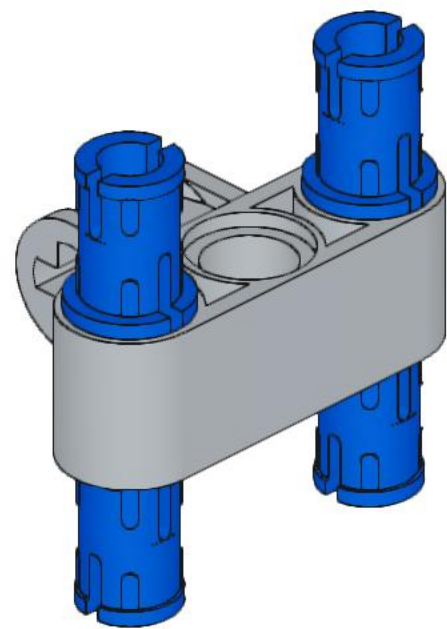
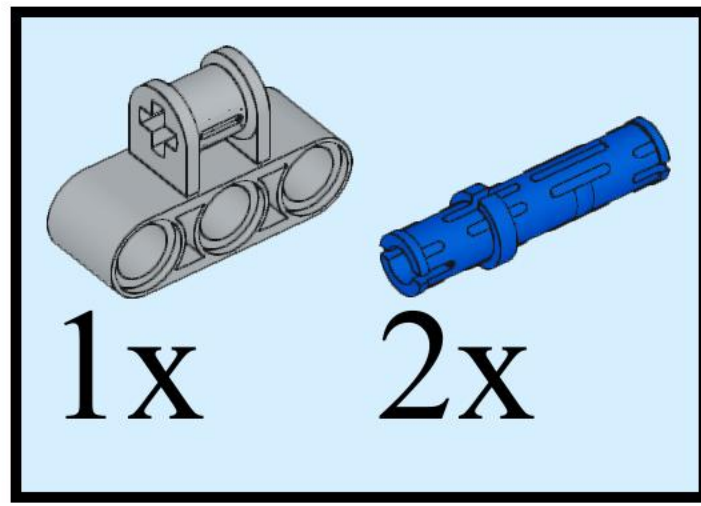
Mr.Da Zhuang

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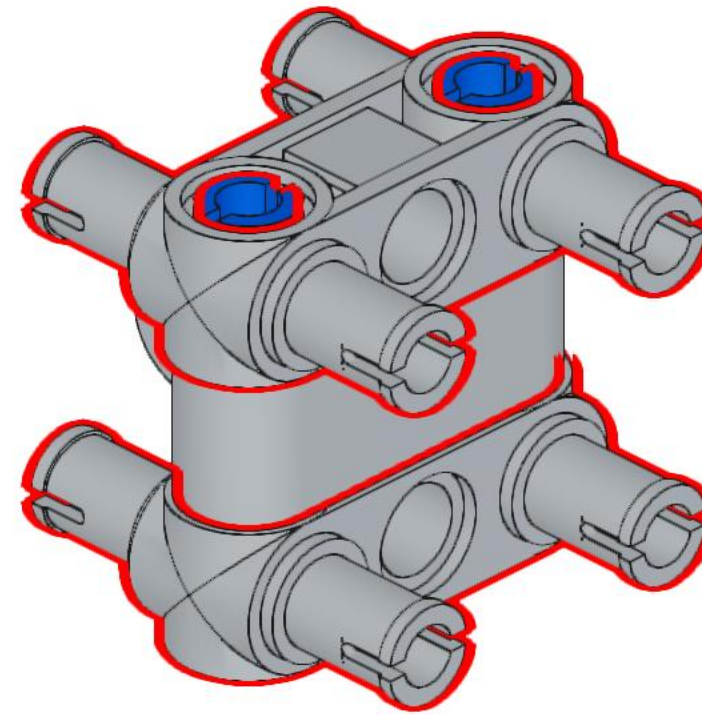
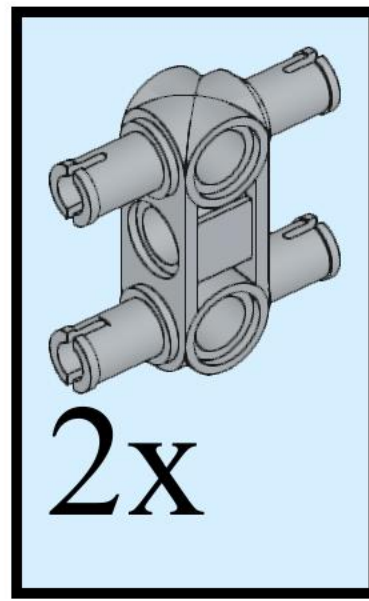
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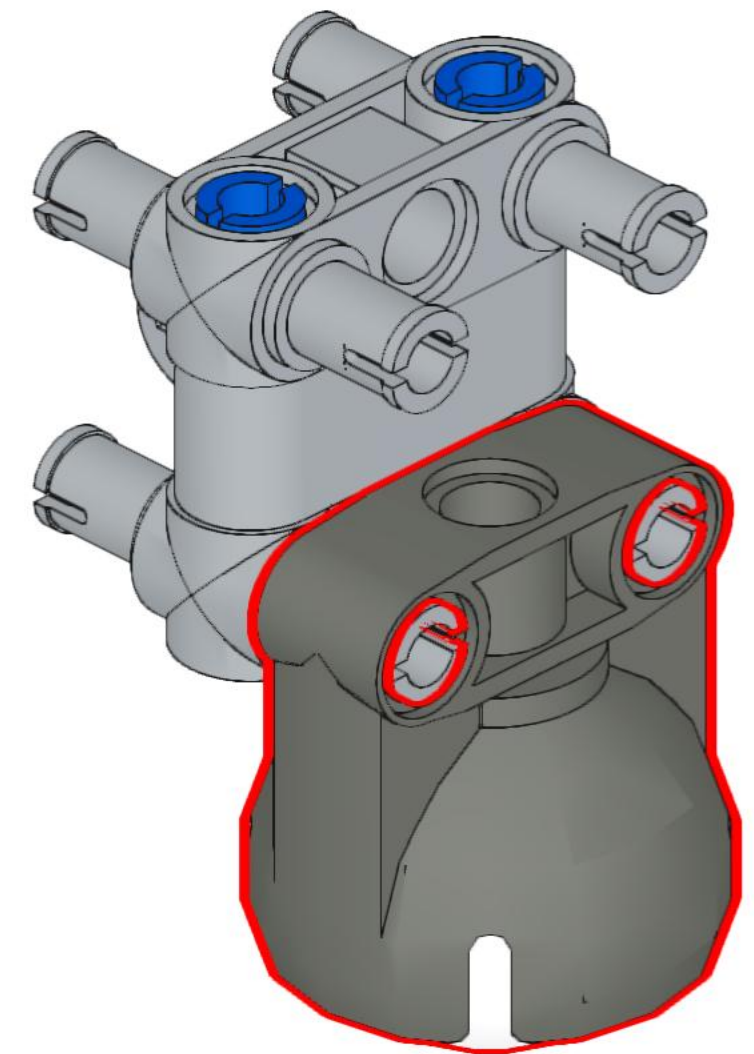
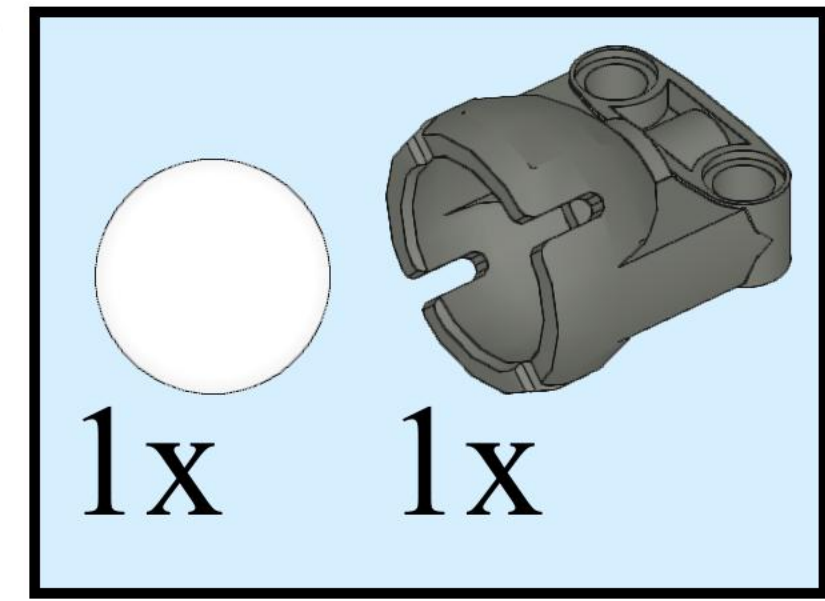
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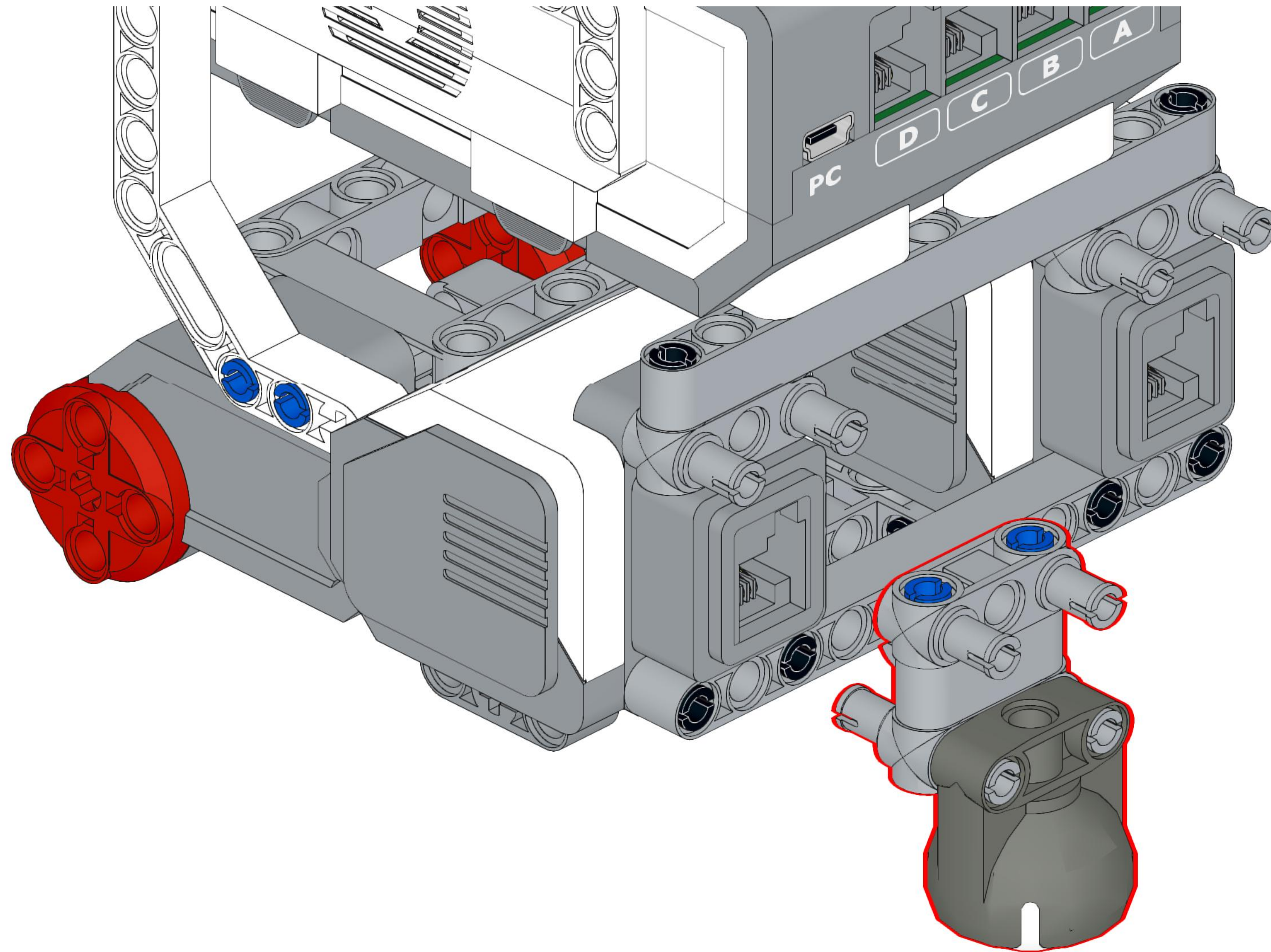
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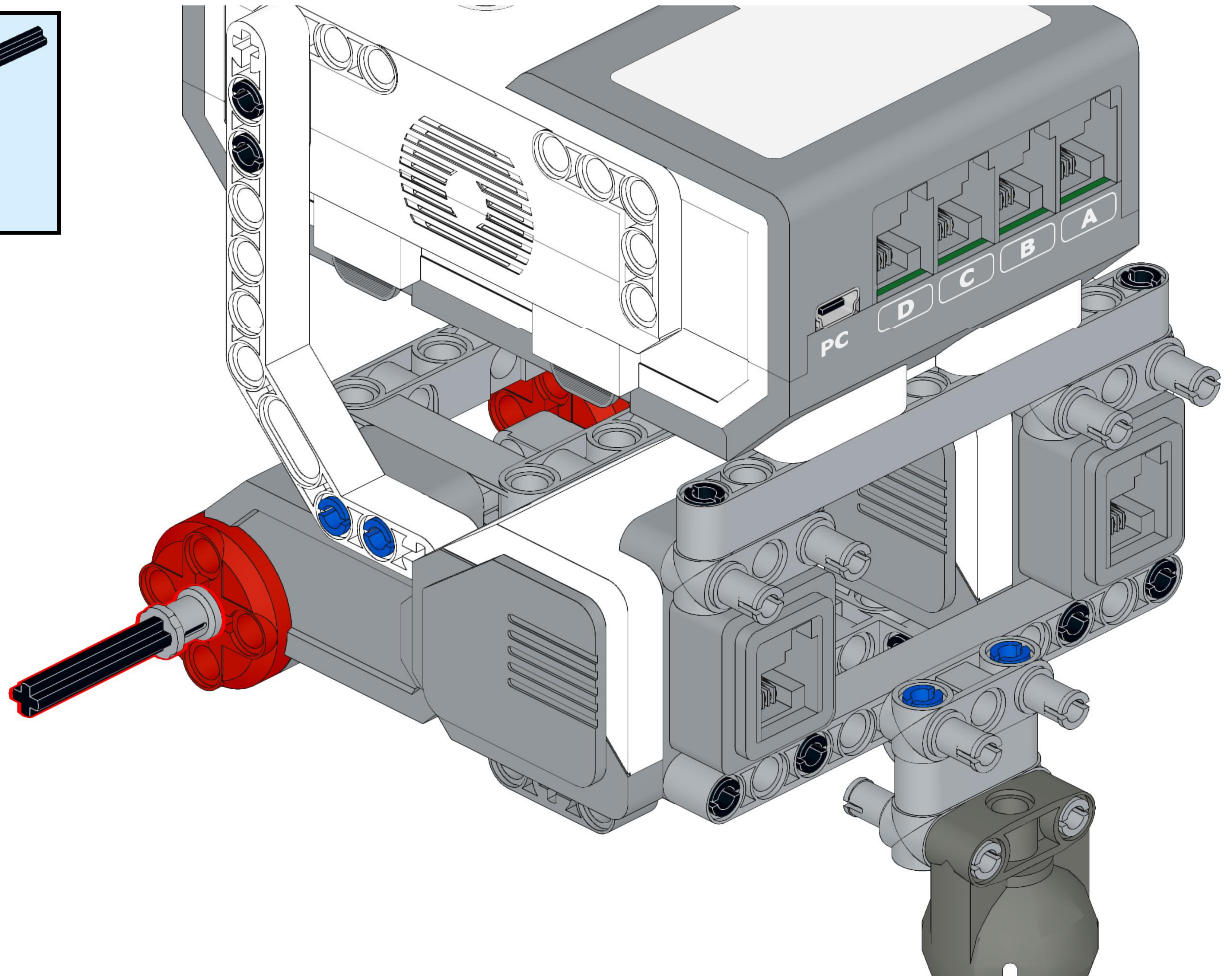
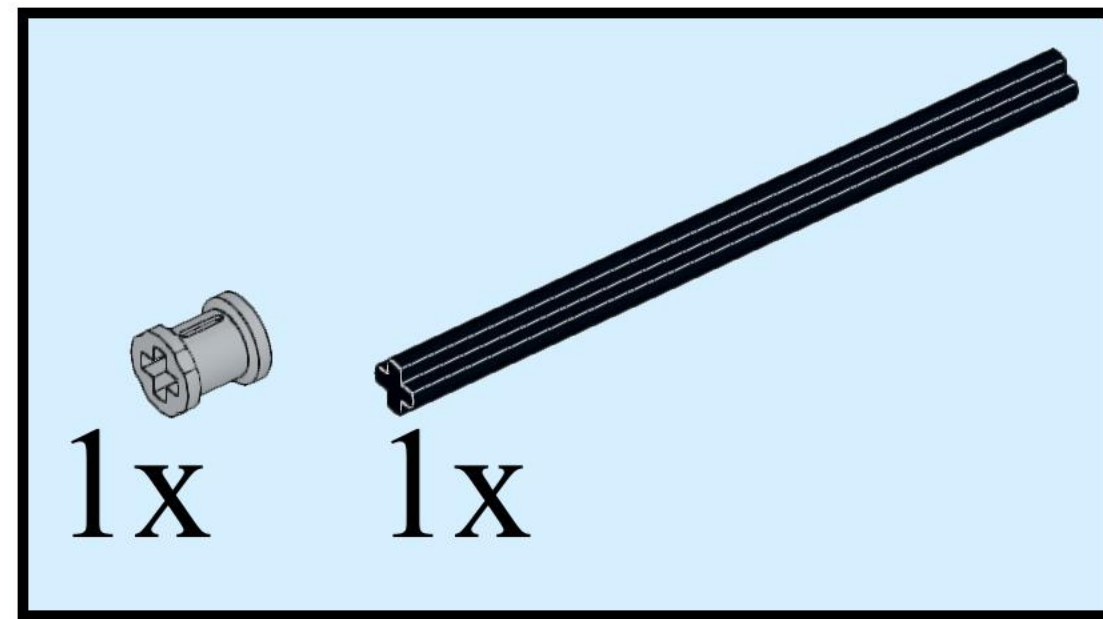
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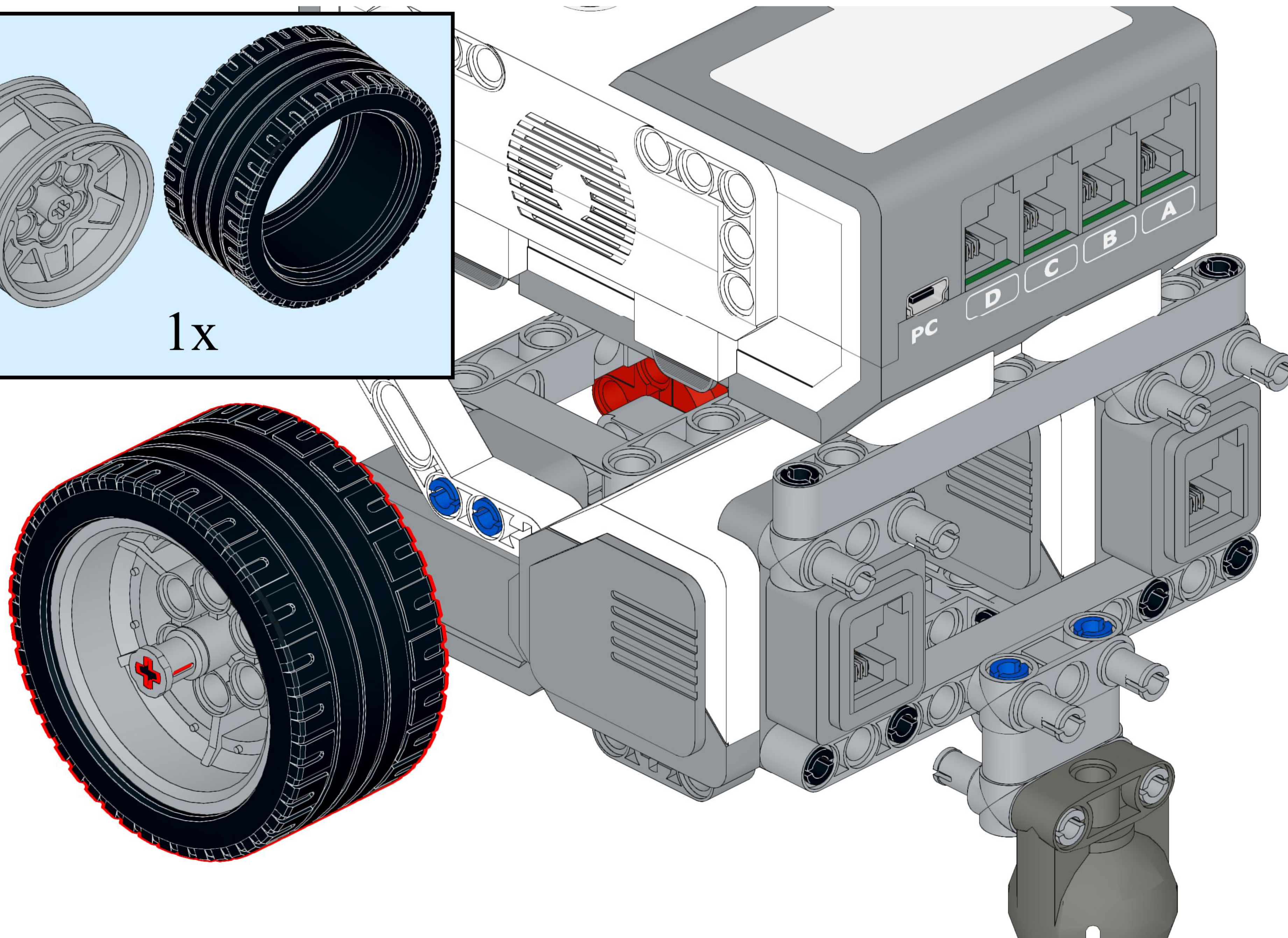
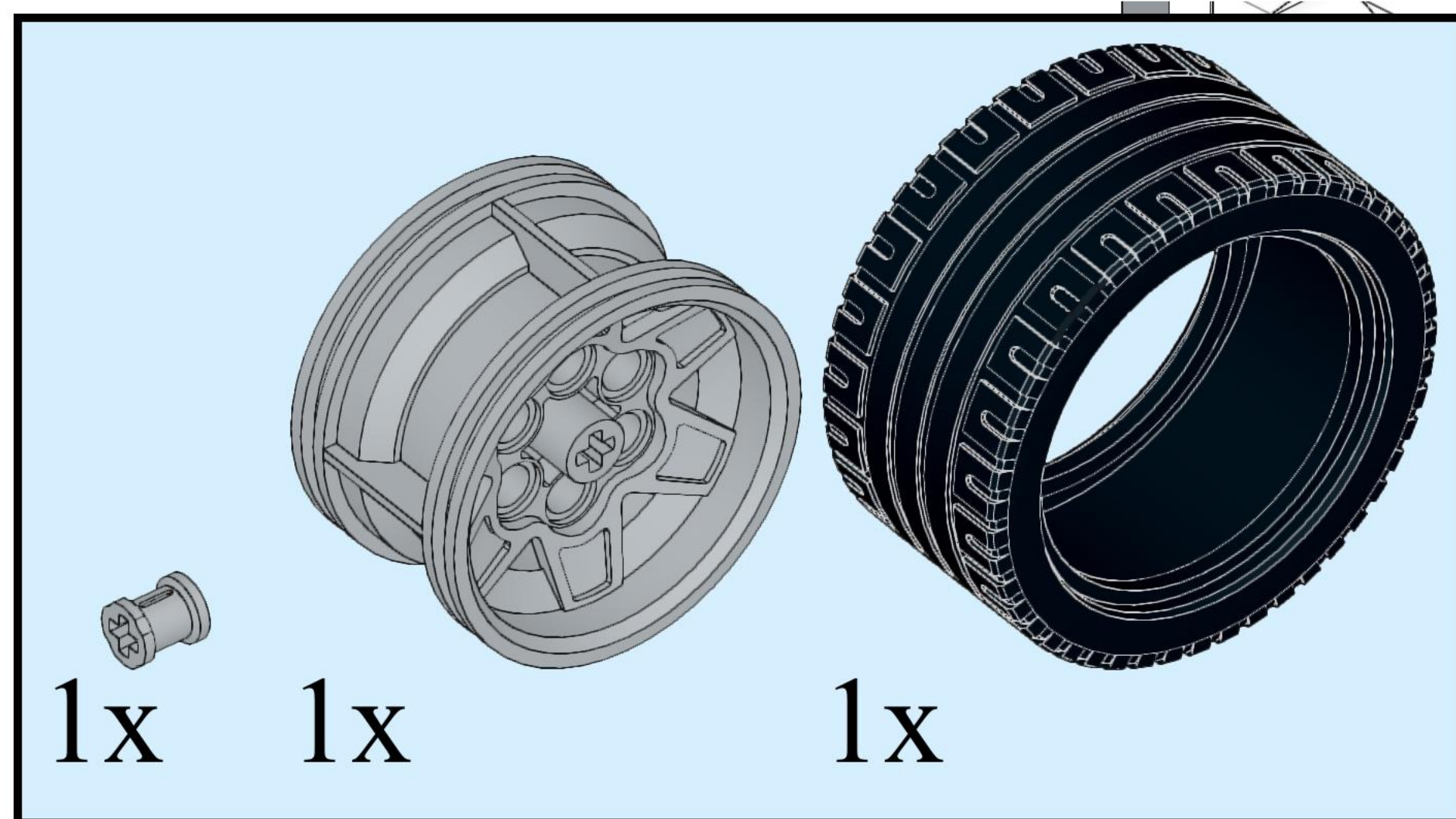
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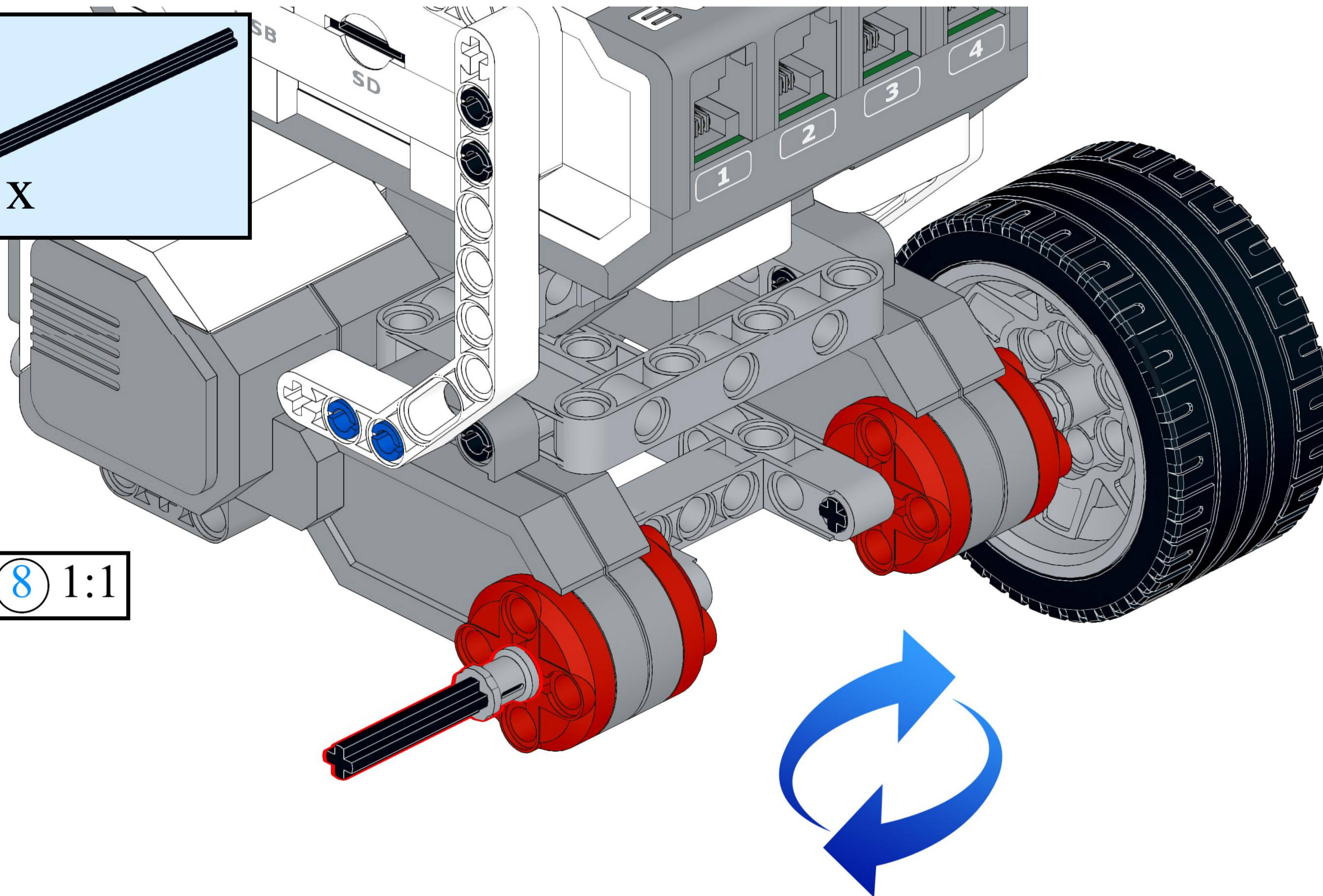
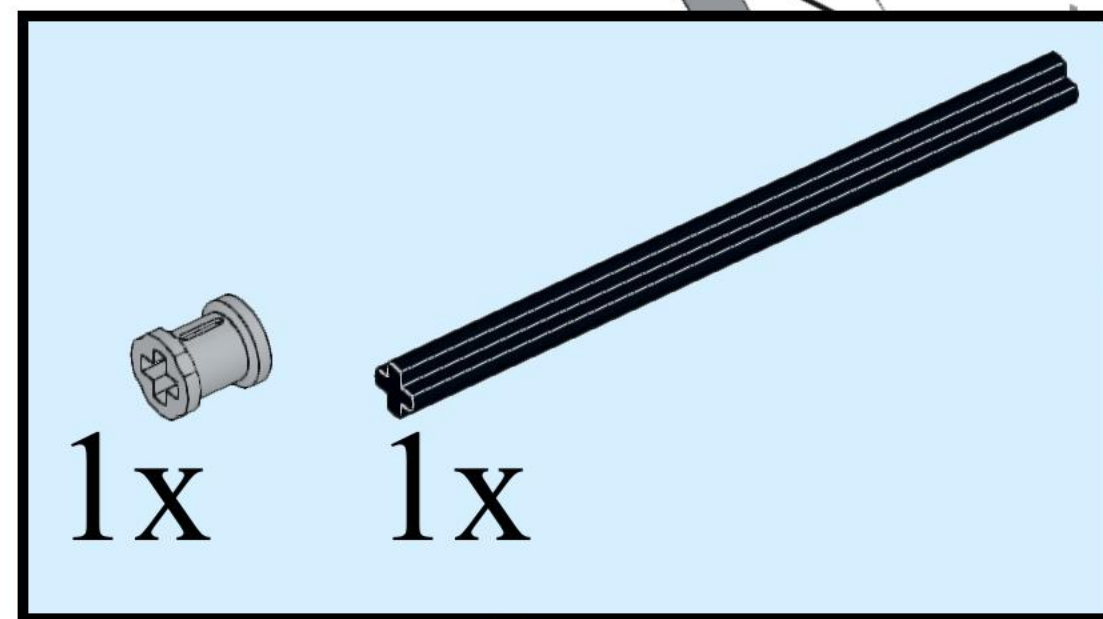
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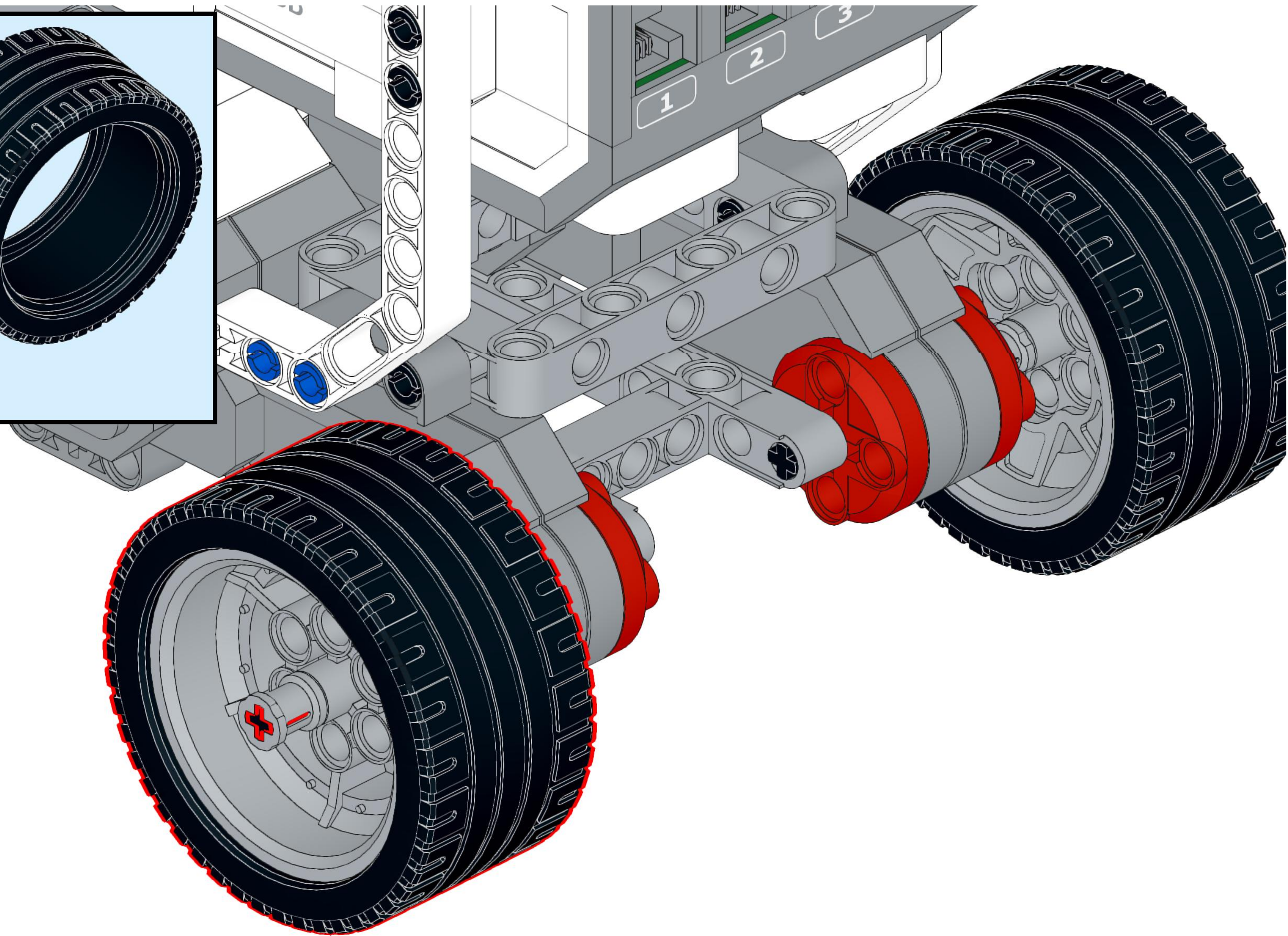
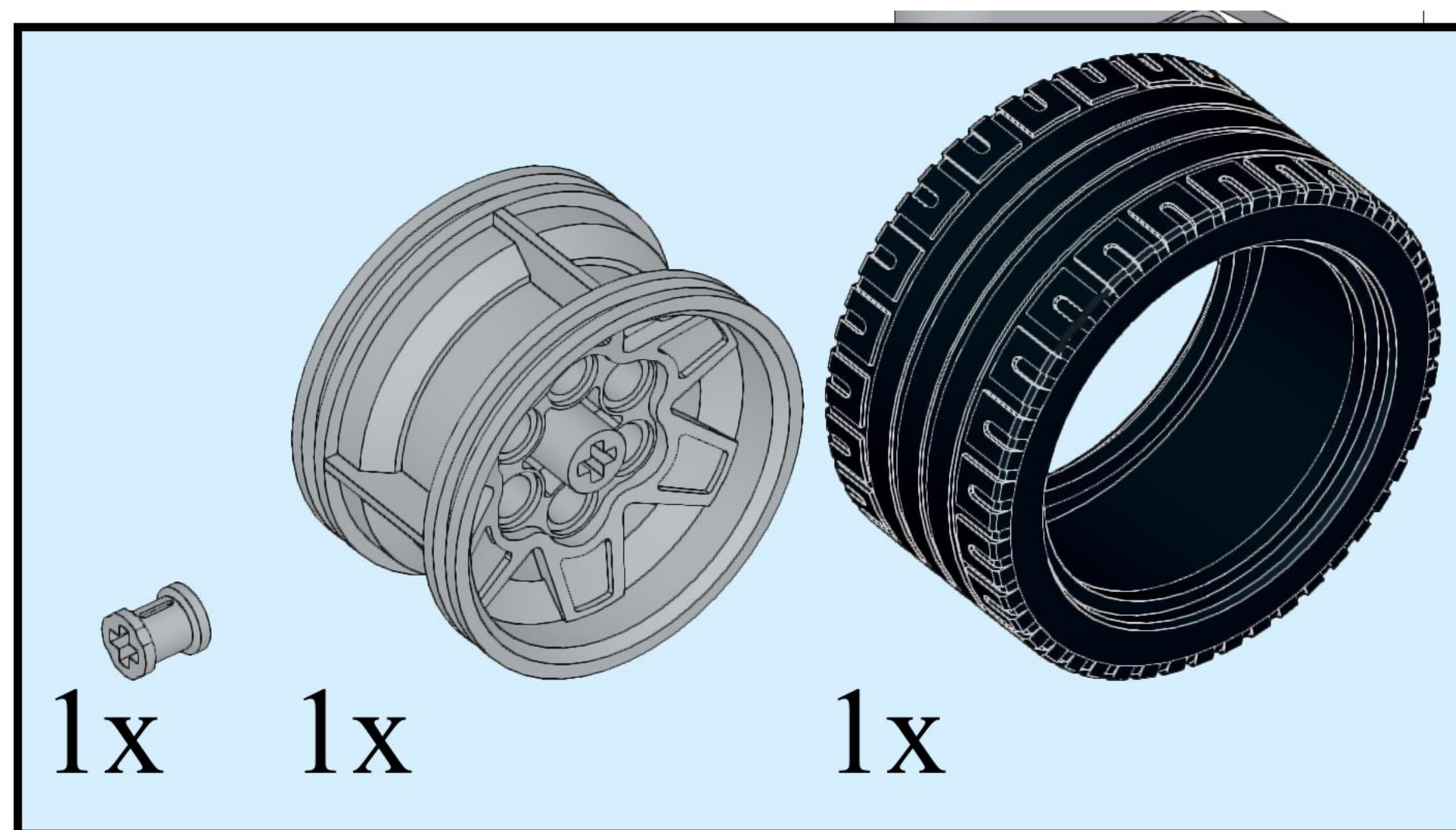
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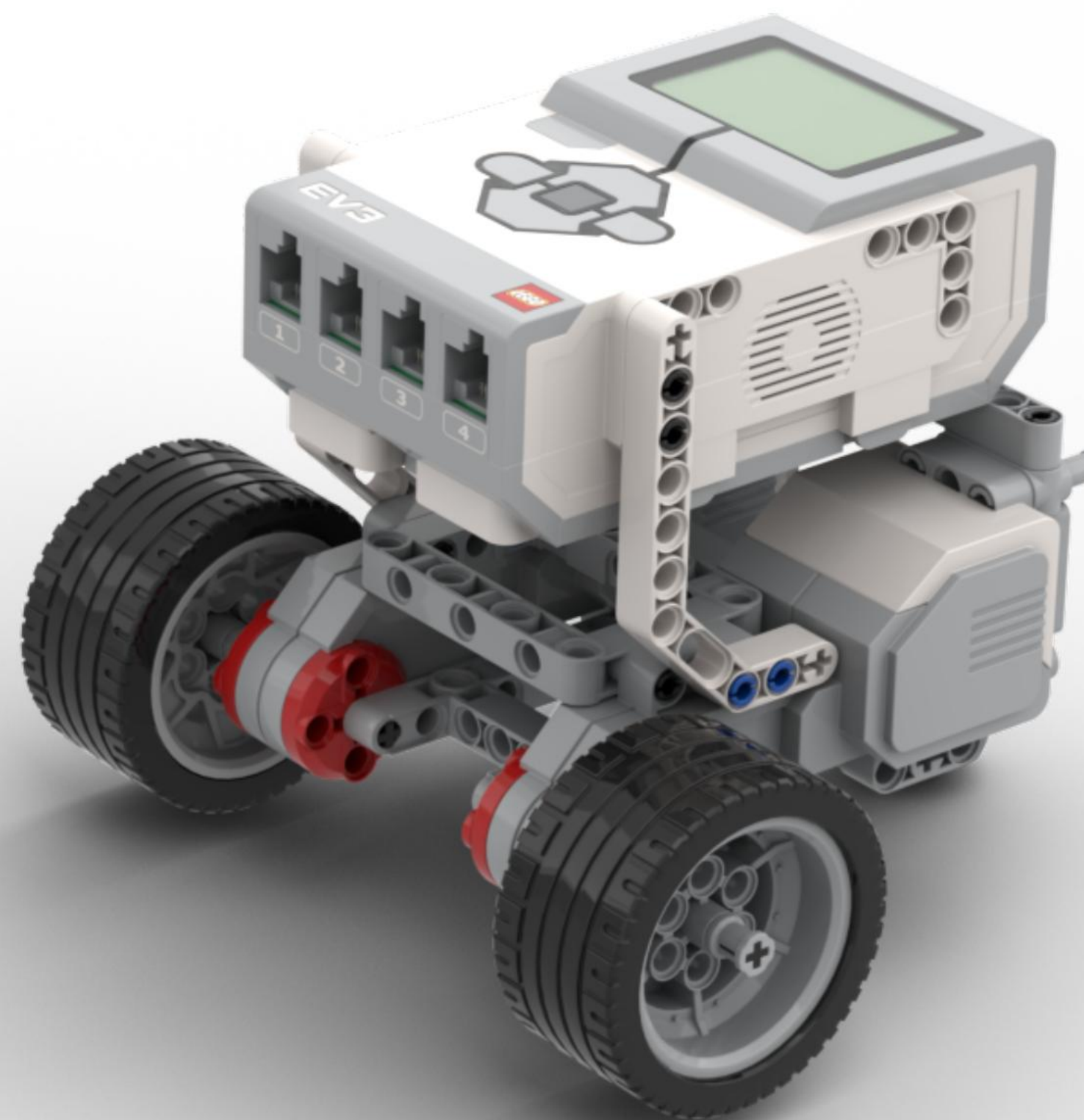
22



基础小车结构，可以通过编程控制做出各种各样的动作。

还可以通过乐高Commander APP 软件，用带有蓝牙功能的手机去遥控操纵小车。

The basic car structure can be controlled by programming to perform various actions. You can also use the LEGO Commander APP software to remotely control the car with a Bluetooth-enabled mobile phone.



增加超声波传感器，有两种程序，可以自动识别障碍物，或者跟随一个物体移动。

T

Adding an ultrasonic sensor, there are two programs that can automatically identify obstacles or follow an object as it moves.



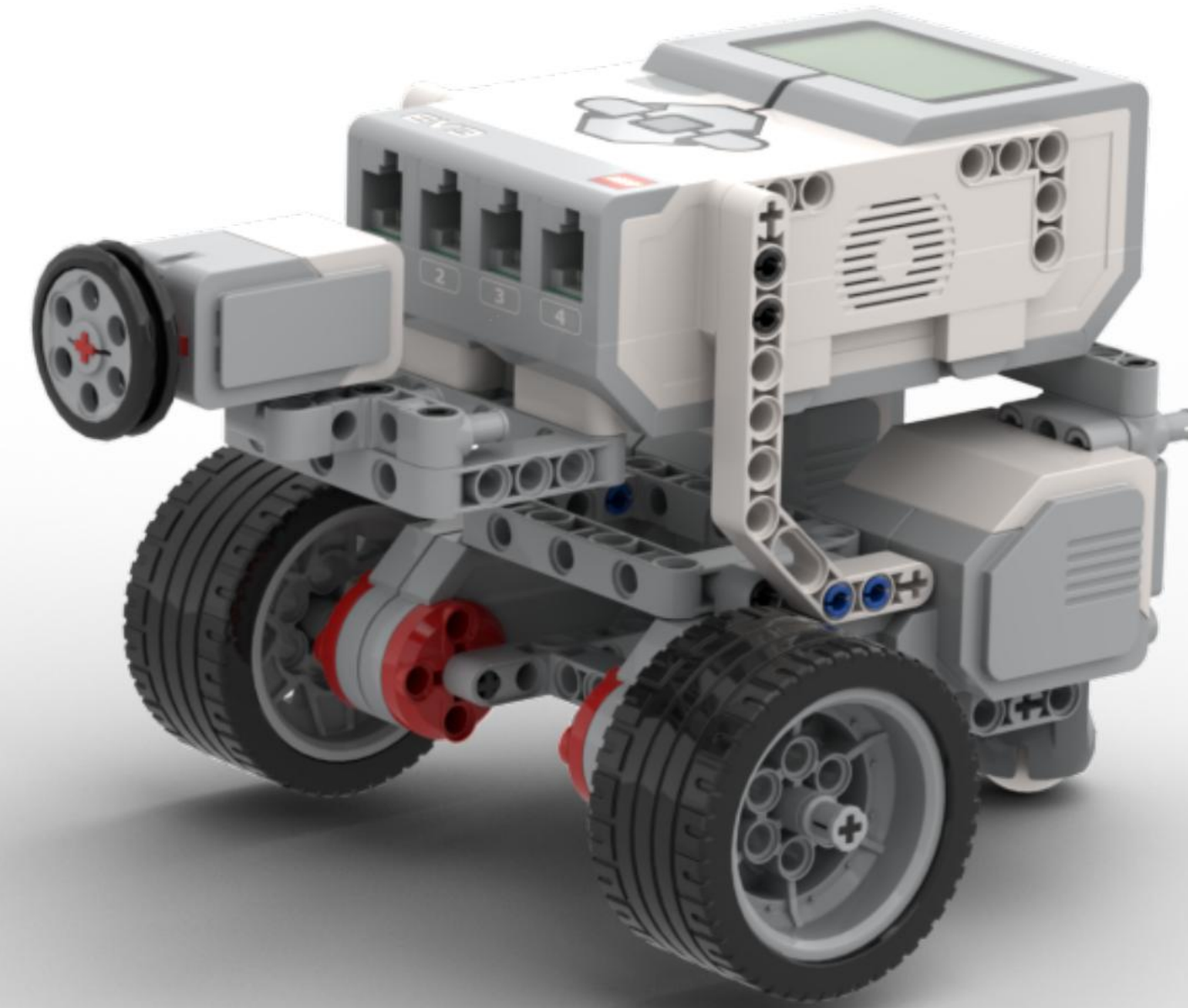
将超声波传感器方向向下，编写程序，可以让小车自动识别前方的悬崖并自动刹车返回。

Point the ultrasonic sensor downward and write a program to allow the car to automatically recognize the cliff in front and brake and return.



增加按键传感器，可以编写程序让小车碰撞障碍或墙壁后自动返回。

By adding a button sensor, you can write a program to make the car automatically return after colliding with an obstacle or wall.



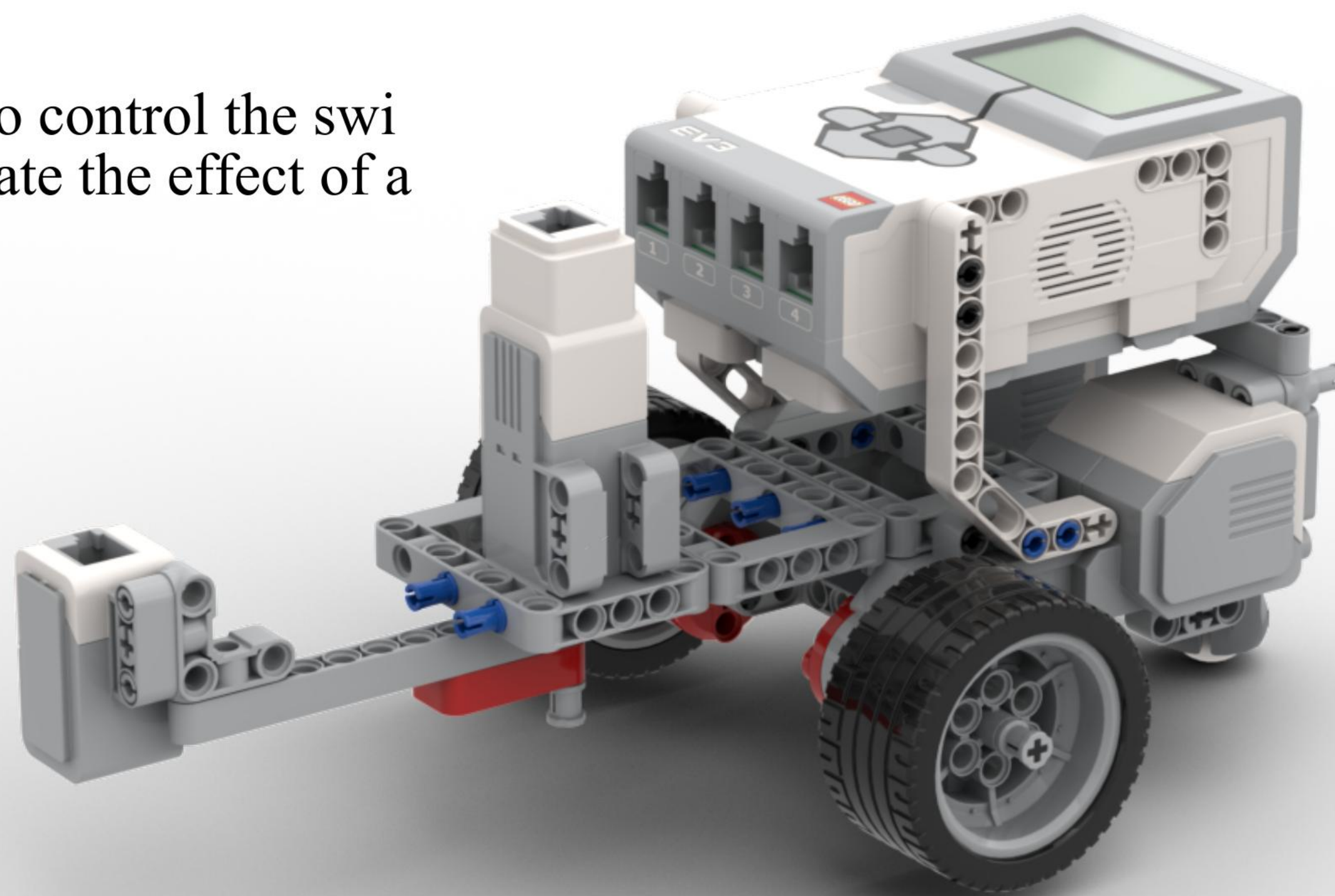
增加颜色传感器，在地面或白色桌面上贴上黑色胶带，利用颜色传感器的反射光强度模式，可以让EV3跟随黑色轨迹线移动

Add a color sensor, stick black tape on the ground or white table, and use the reflected light intensity mode of the color sensor to make EV3 move along the black track line.



增加中型电机控制颜色传感器摆动，可以模拟扫雷车效果。

Adding a medium-sized motor to control the swing of the color sensor can simulate the effect of a minesweeper.





1 base



2 Command
app control



3 Ultrasonic
obstacle
avoidance



4 Follow
Mobile



5 Identifying
cliffs



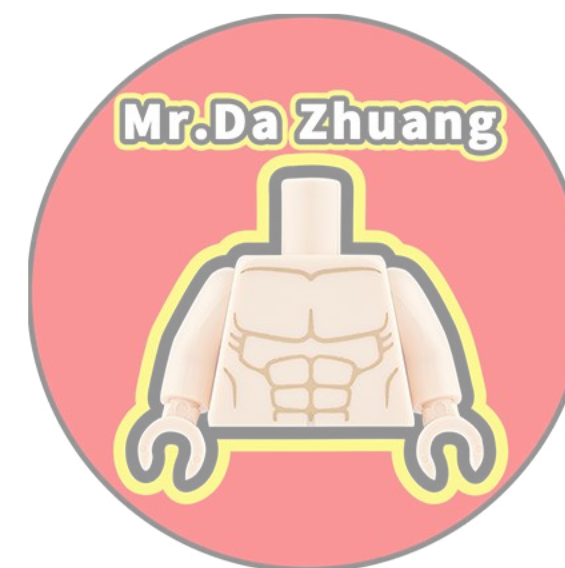
6 Bumper Cars



7 Patrol line
movement



8 Minesweeper



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