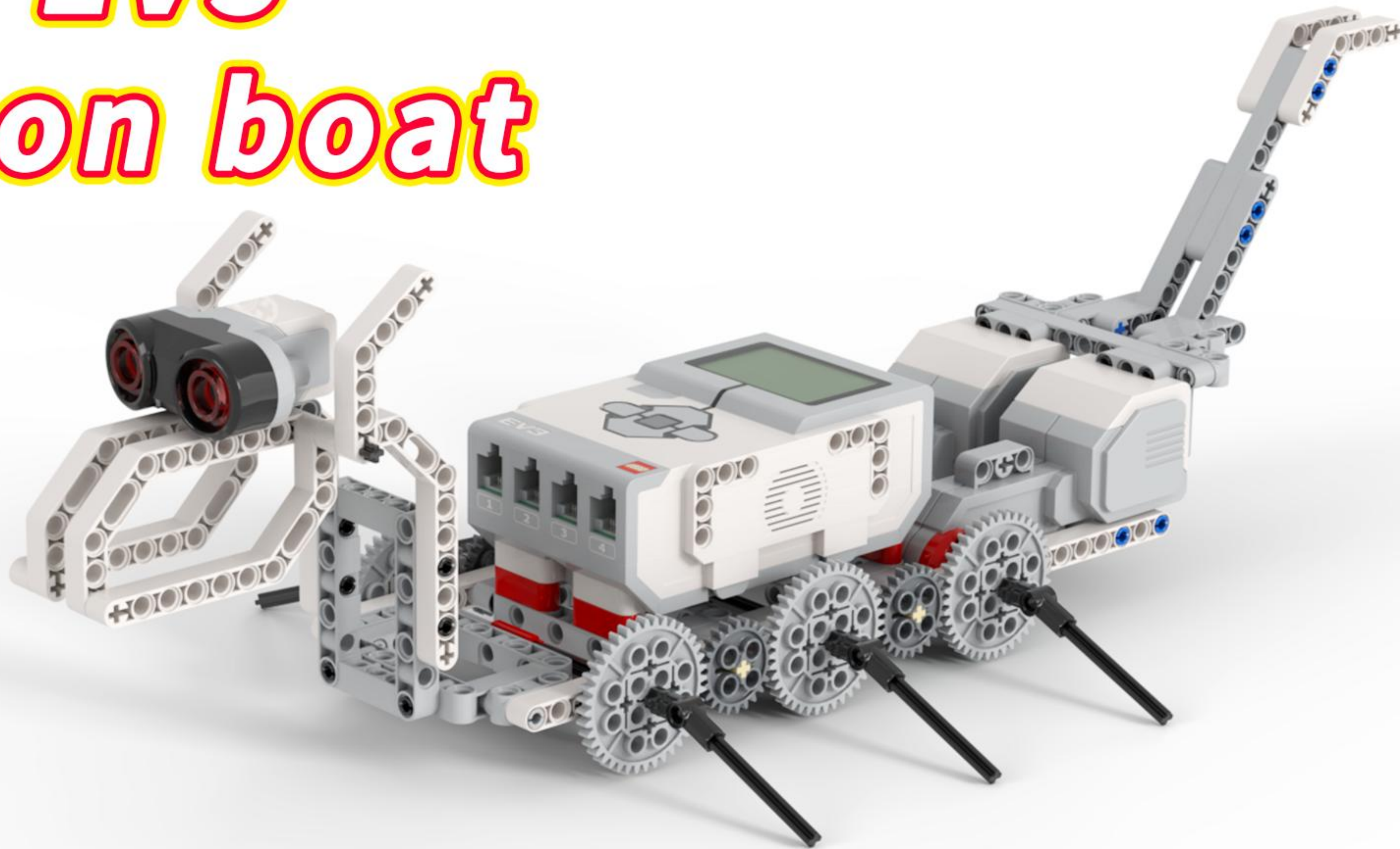


Lego EV3 Dragon boat





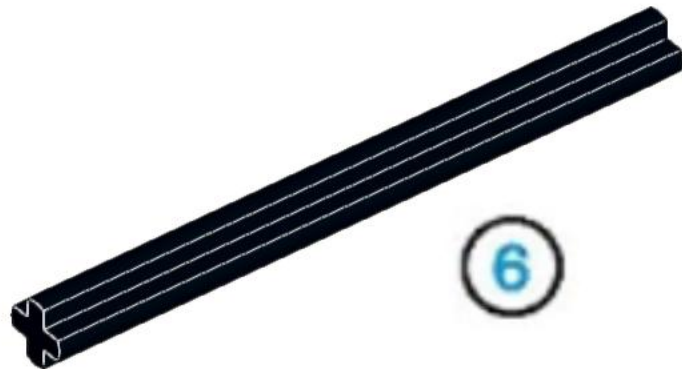
12x
2780
Black



1x
32034
Black



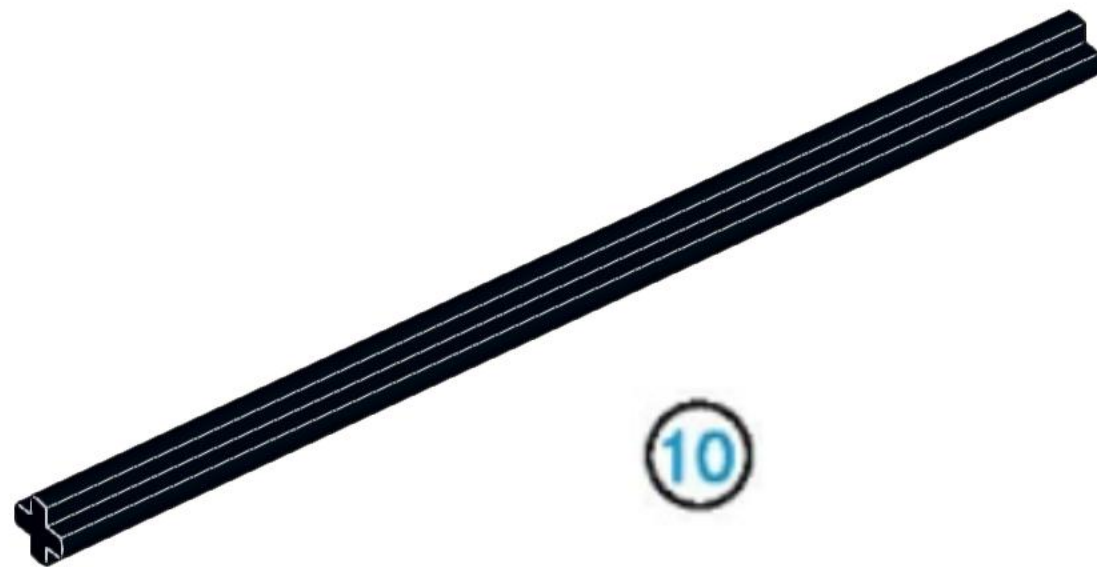
6x
32016
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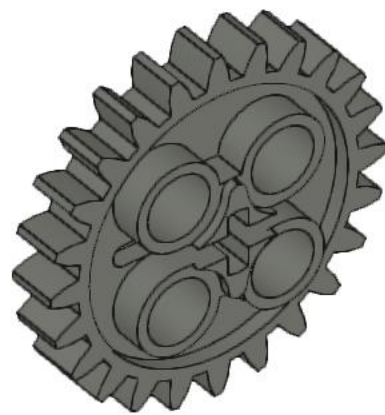
6x
3706
Black



2x
3707
Black



1x
3737
Black

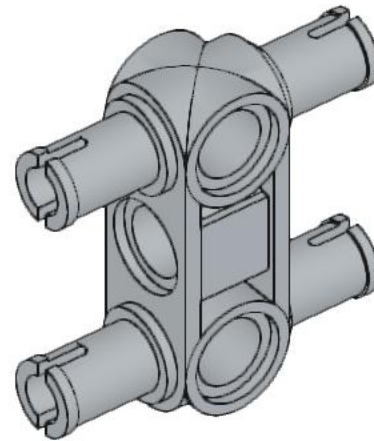


4x
3648
Dark Bluish Gray

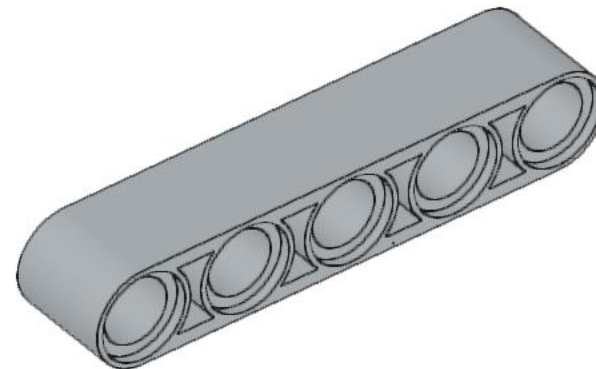
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10

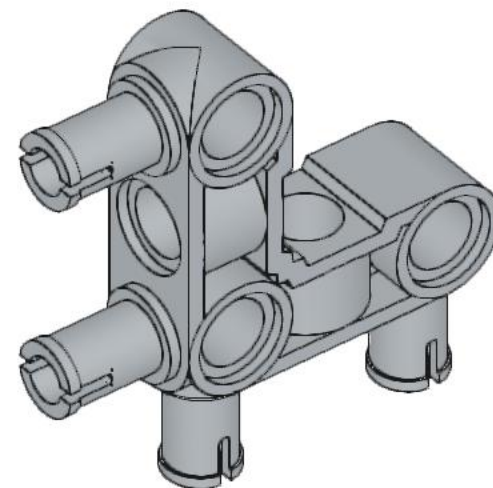
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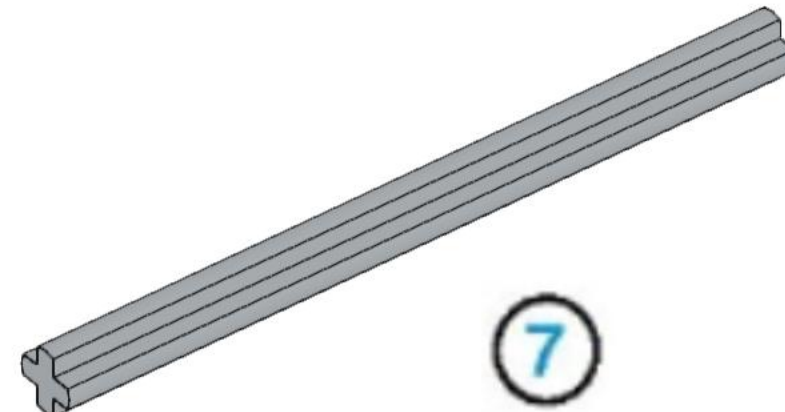
2x
48989
Light Bluish Gray



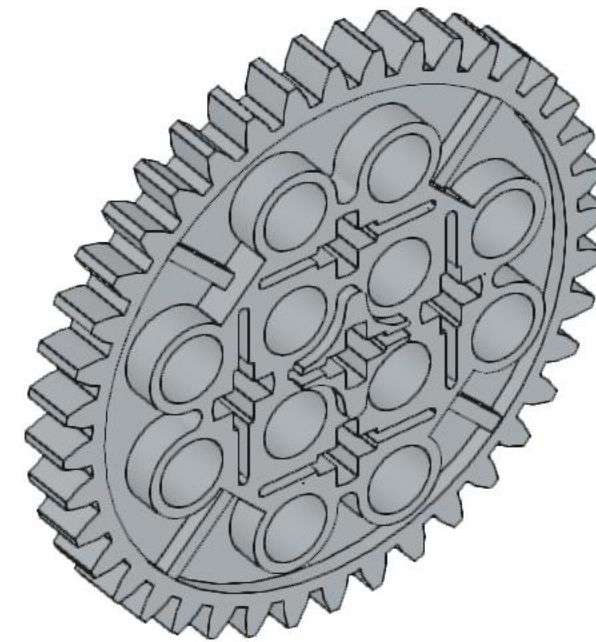
2x
32316
Light Bluish Gray



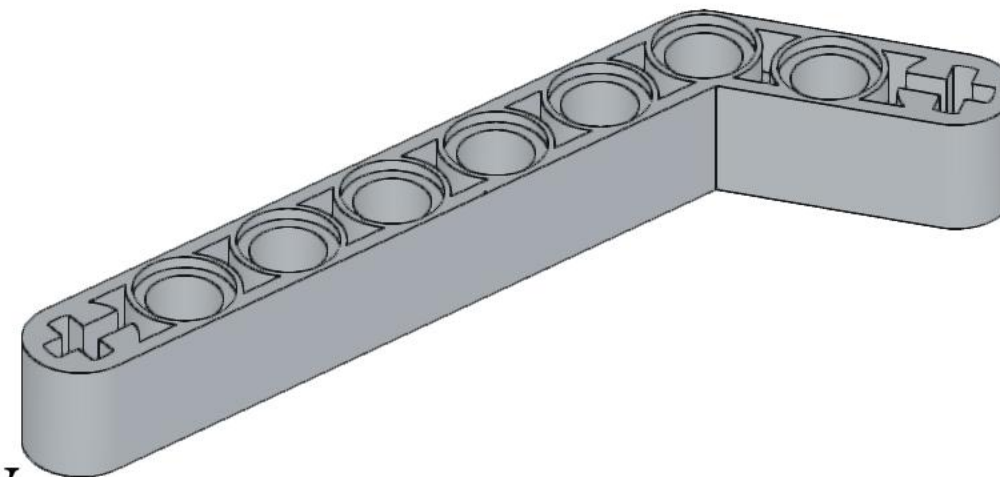
2x
55615
Light Bluish Gray



4x
44294
Light Bluish Gray

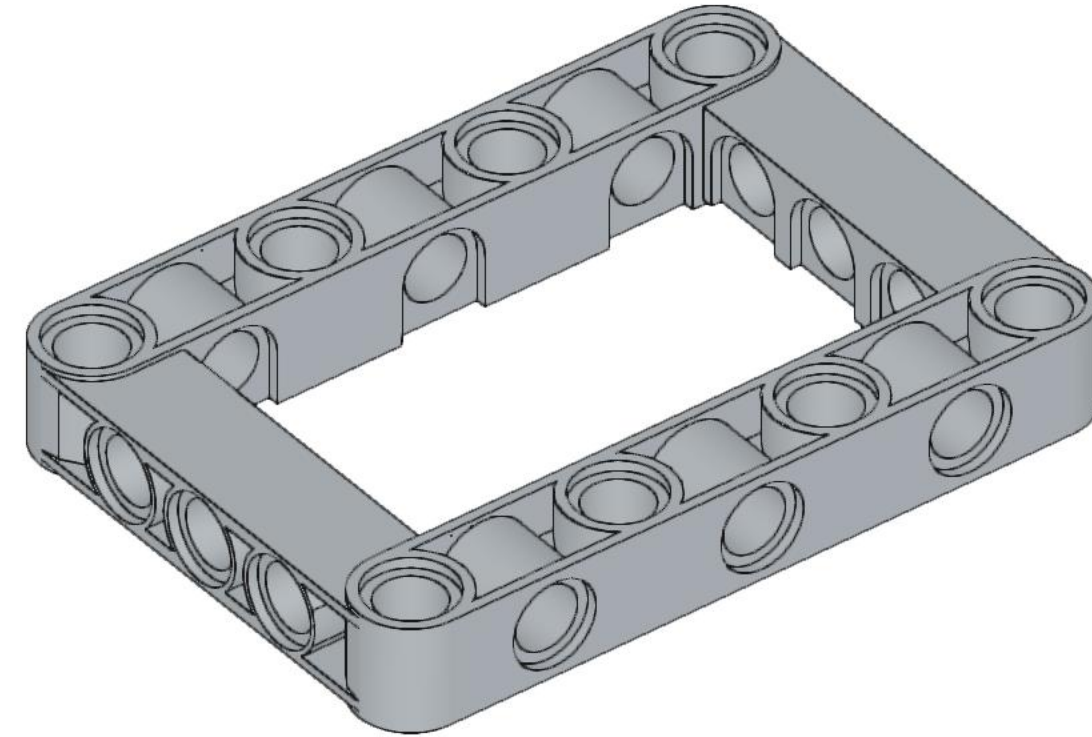


6x
3649
Light Bluish Gray

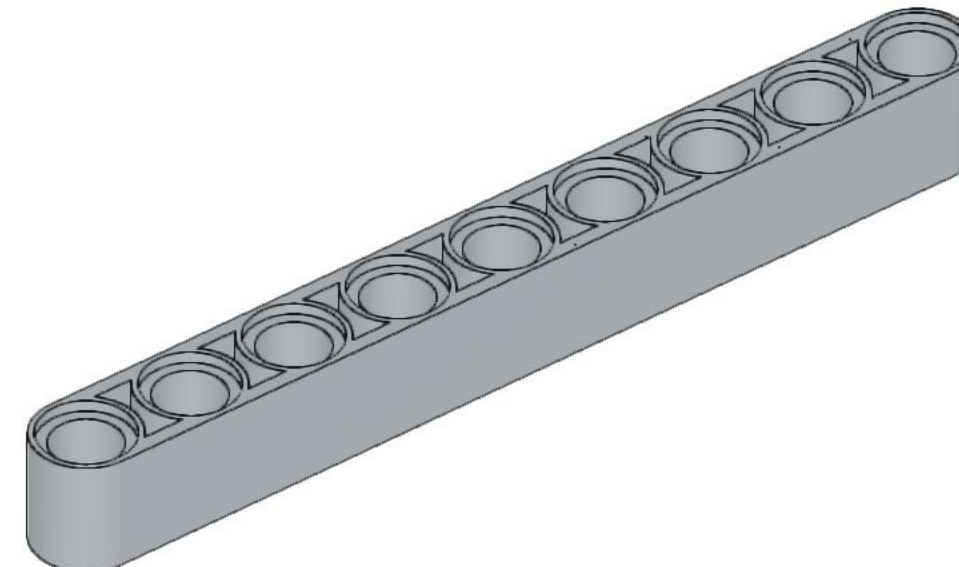


2x
32271
Light Bluish Gray

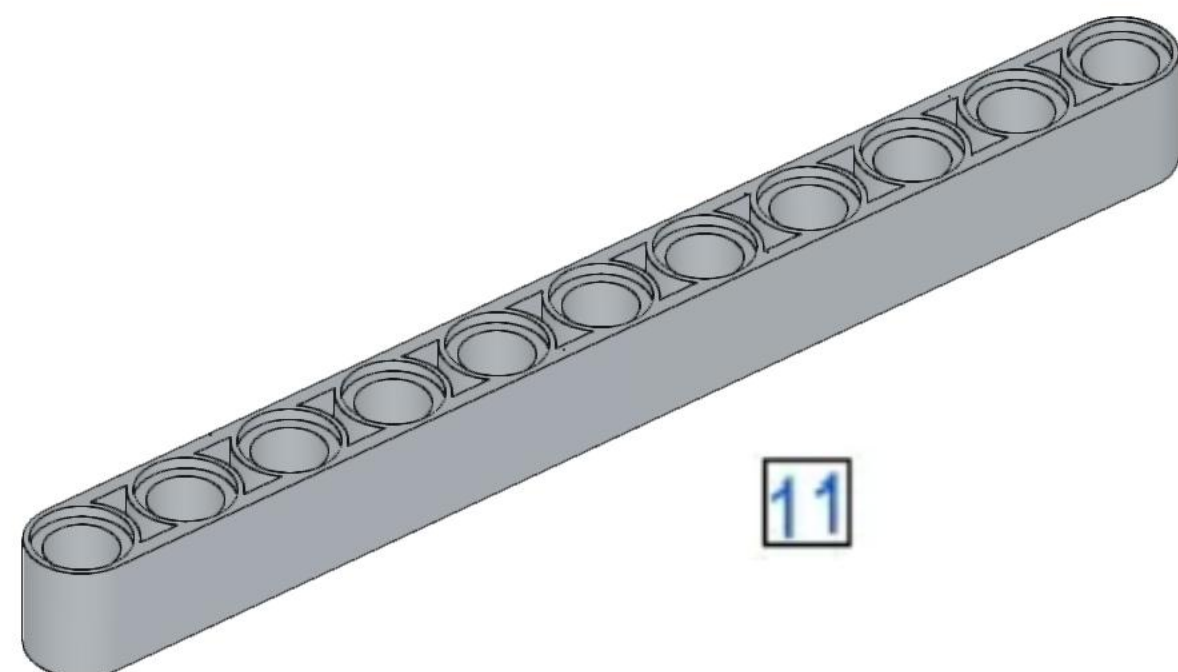
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5x
64179
Light Bluish Gray

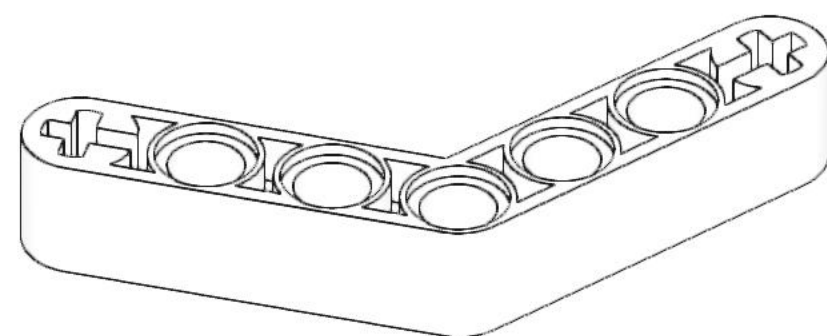


1x
40490
Light Bluish Gray

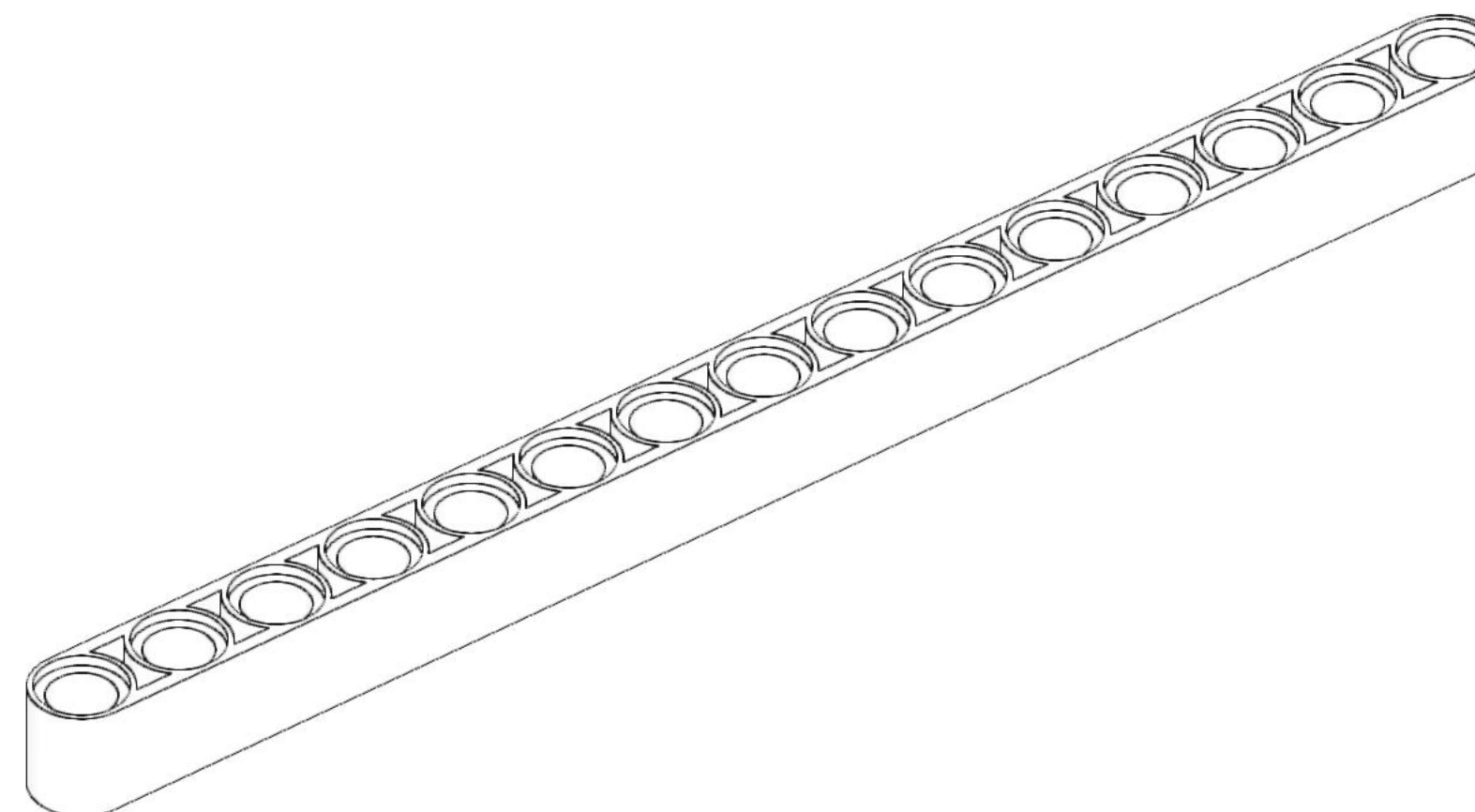


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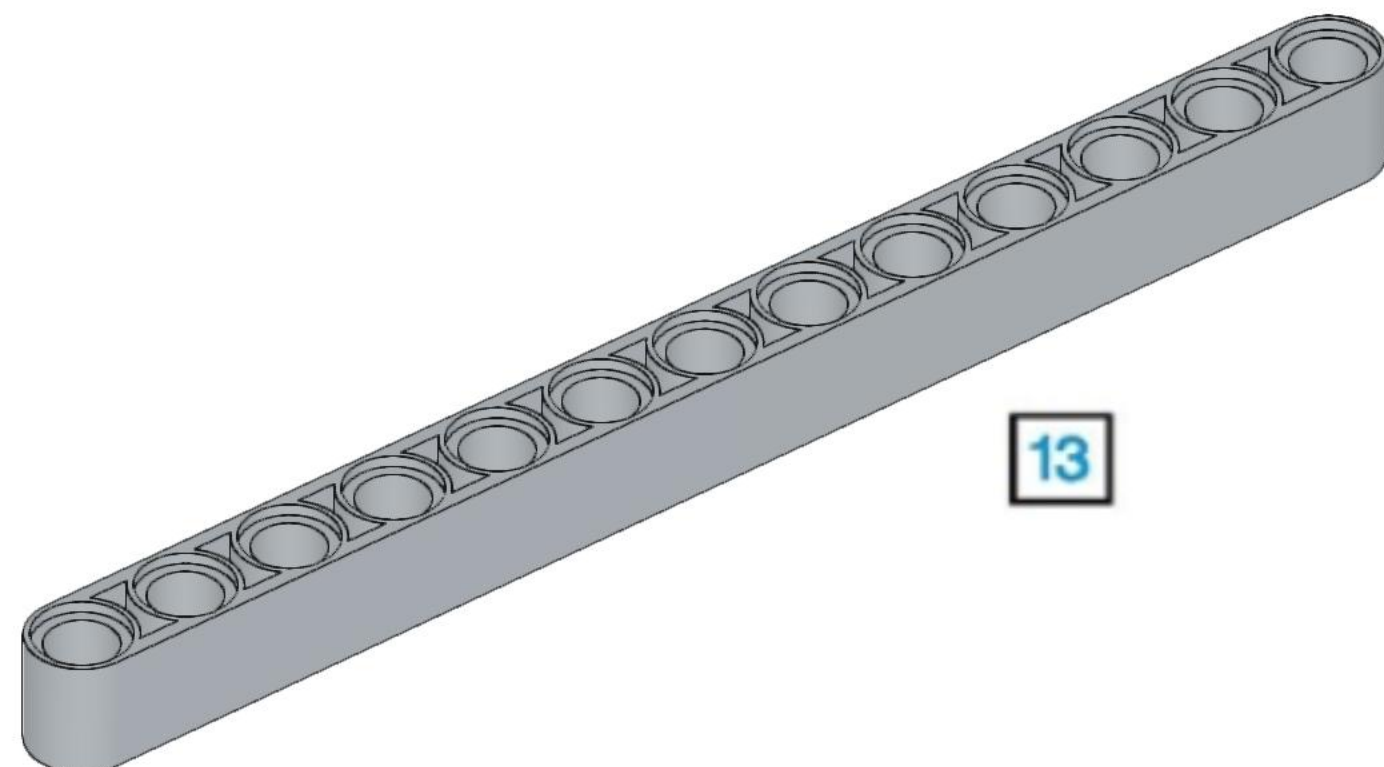
1x
32525
Light Bluish Gray



4x
32348
White

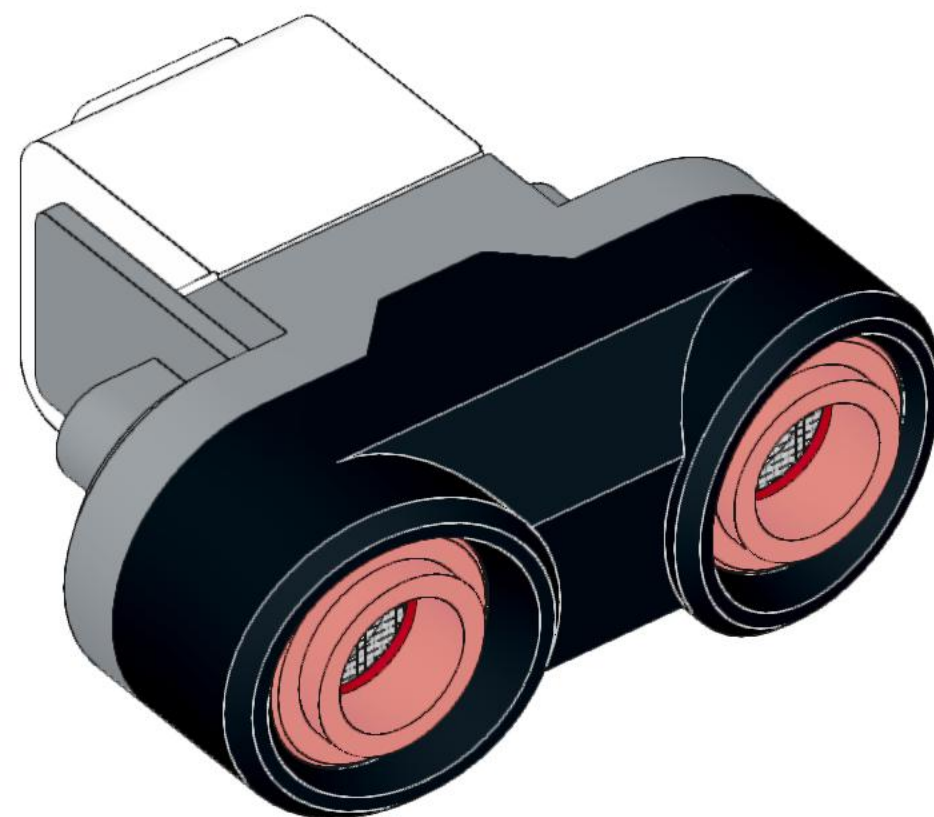


4x
32278
White

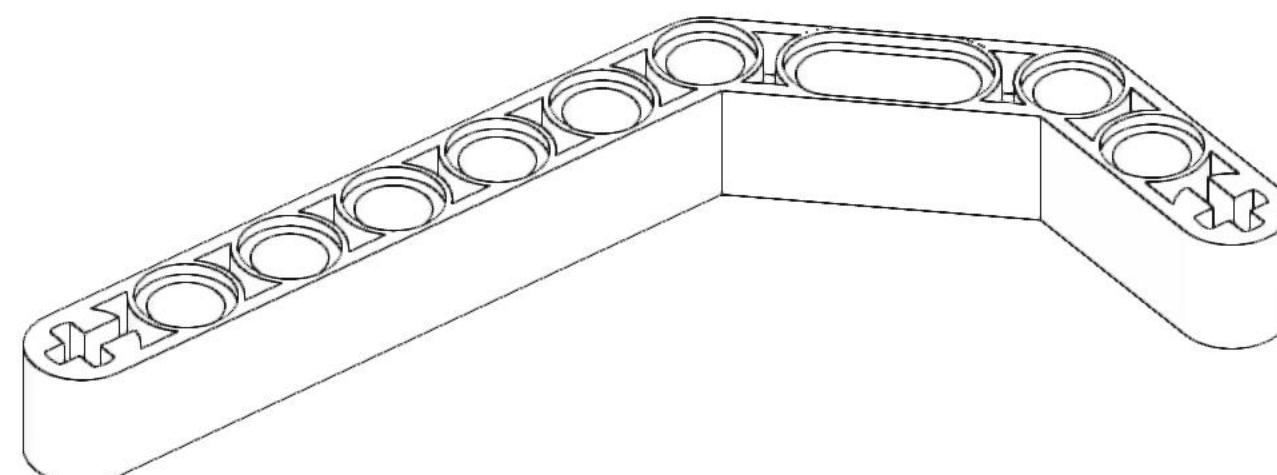


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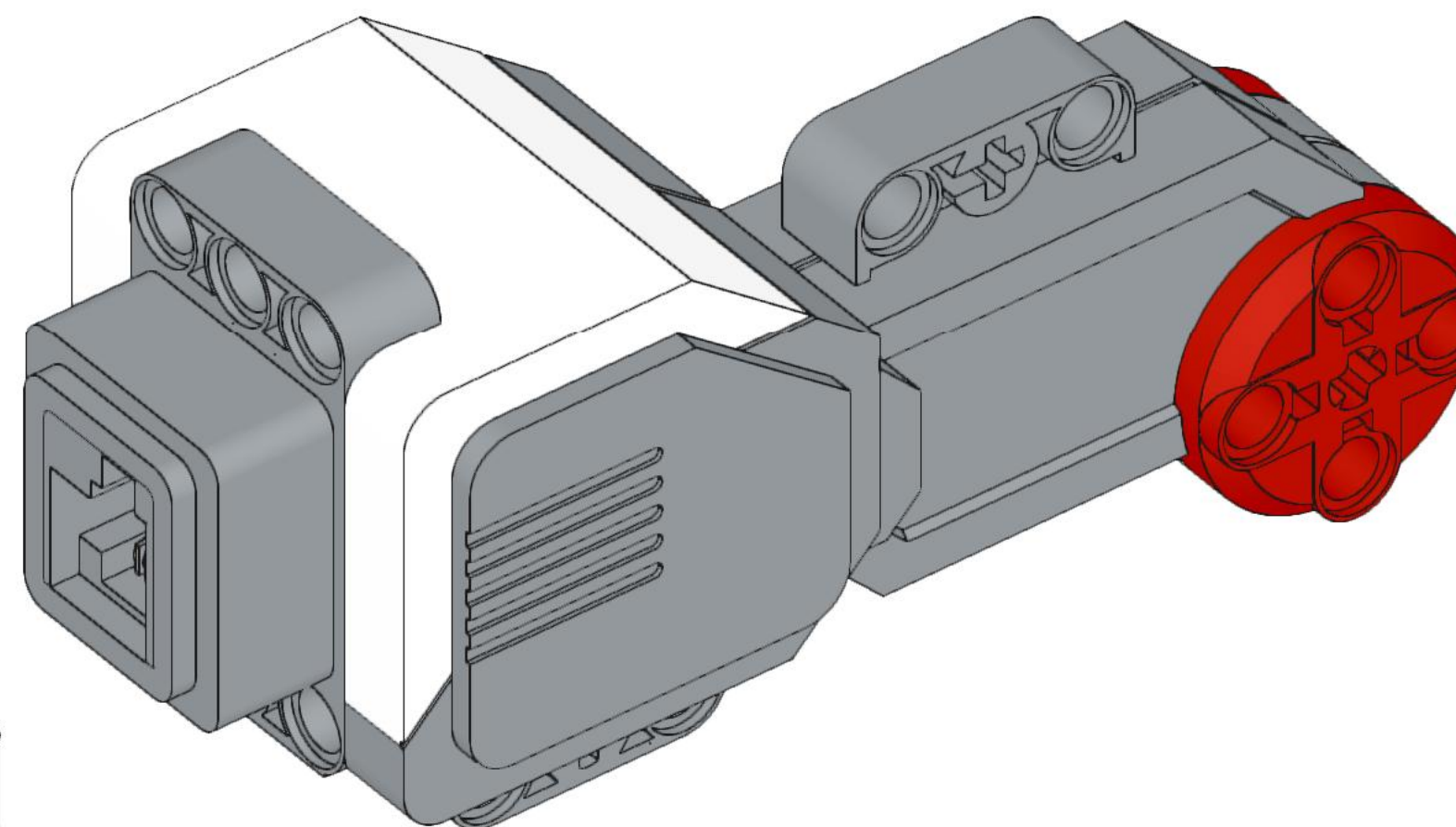
2x
41239
Light Bluish Gray



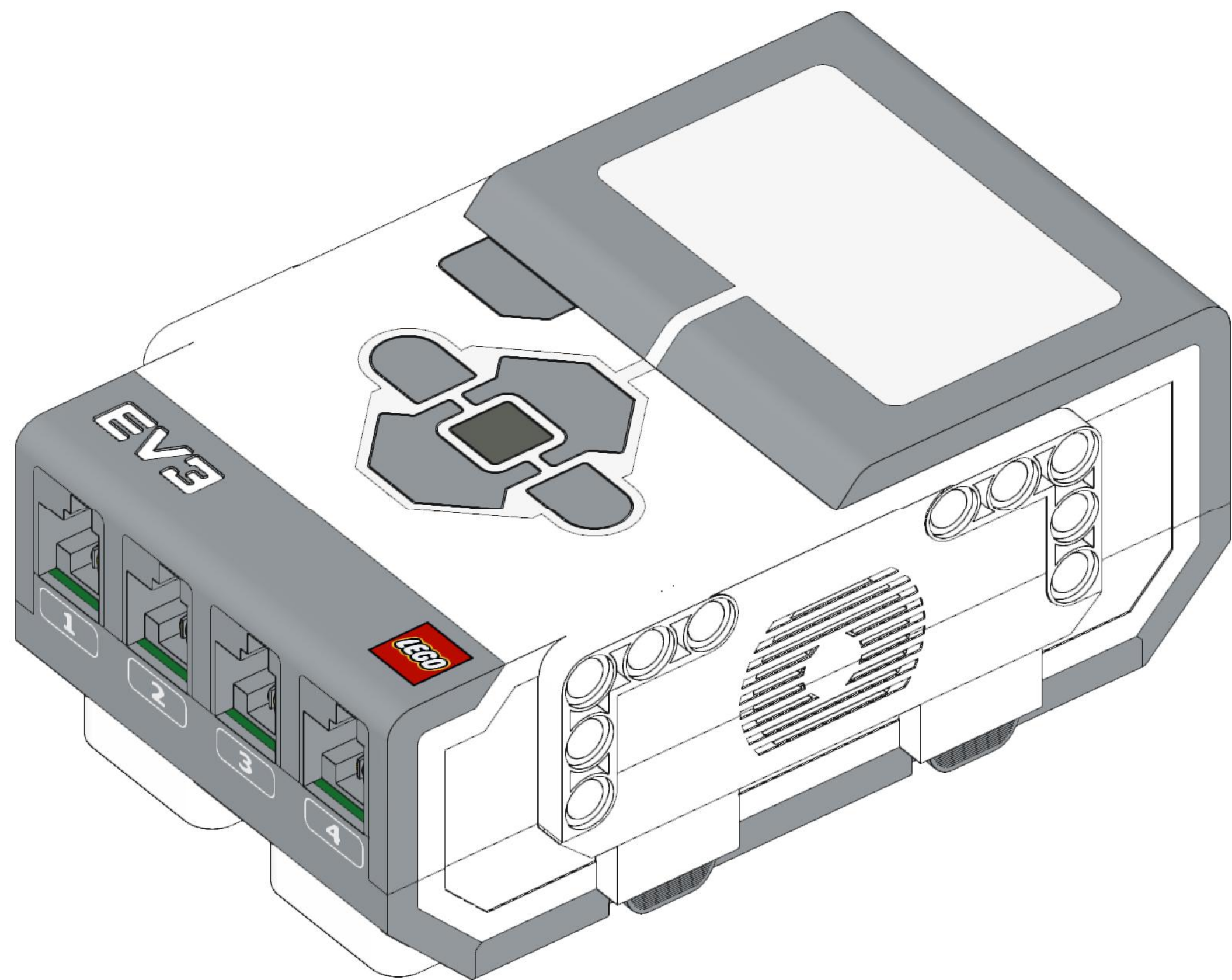
1x
95652
White



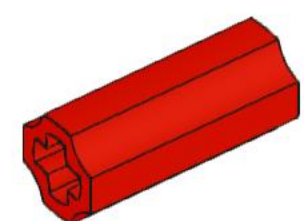
6x
32009
White



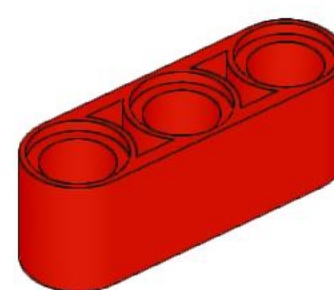
2x
95658
White



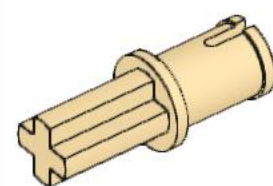
1x
95646c01
White



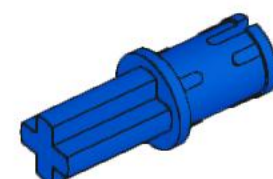
2x
6538c
Red



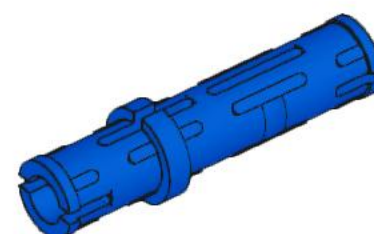
4x
32523
Red



4x
3749
Tan



2x
43093
Blue

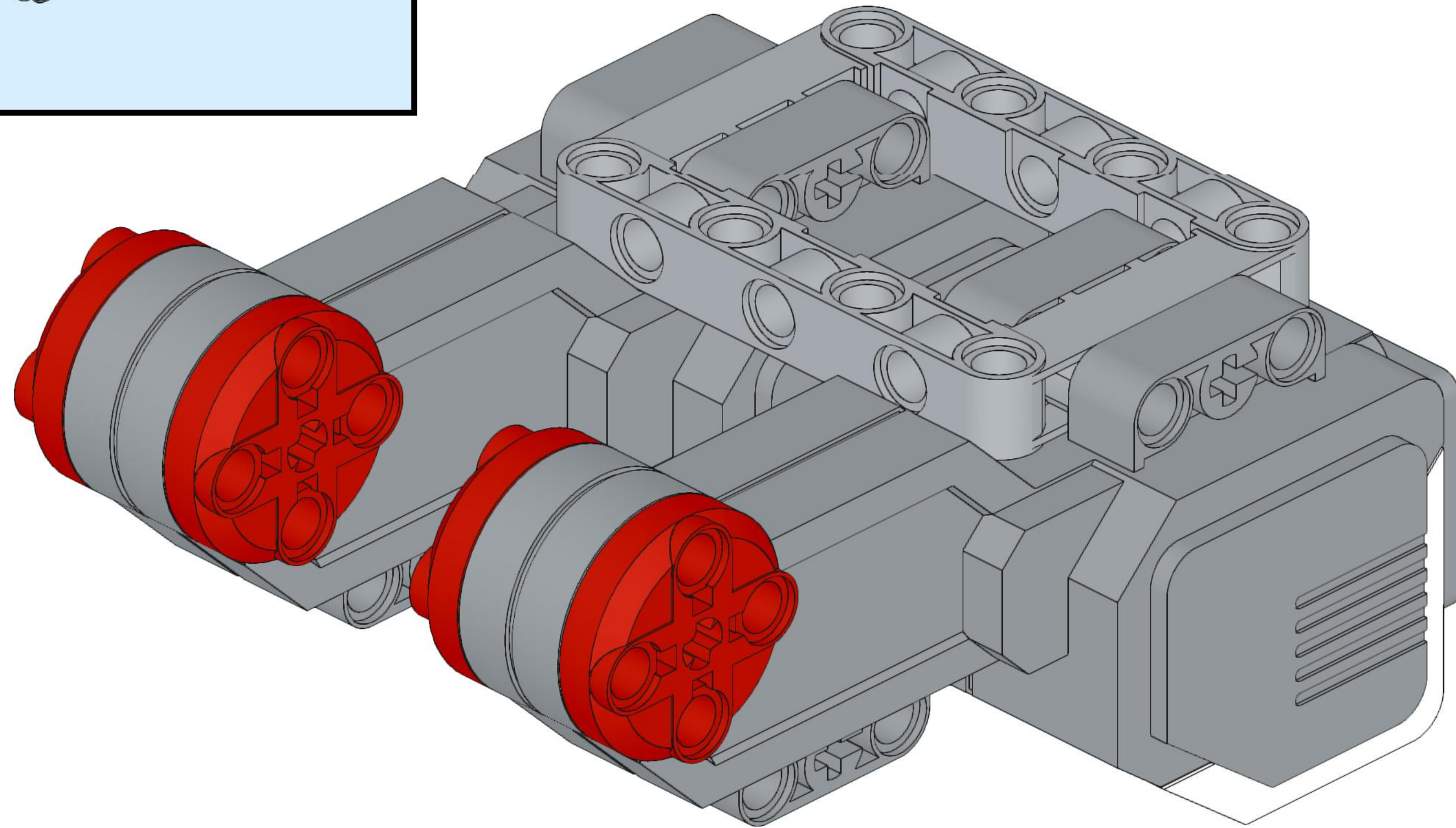
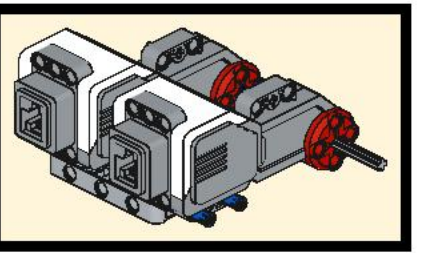
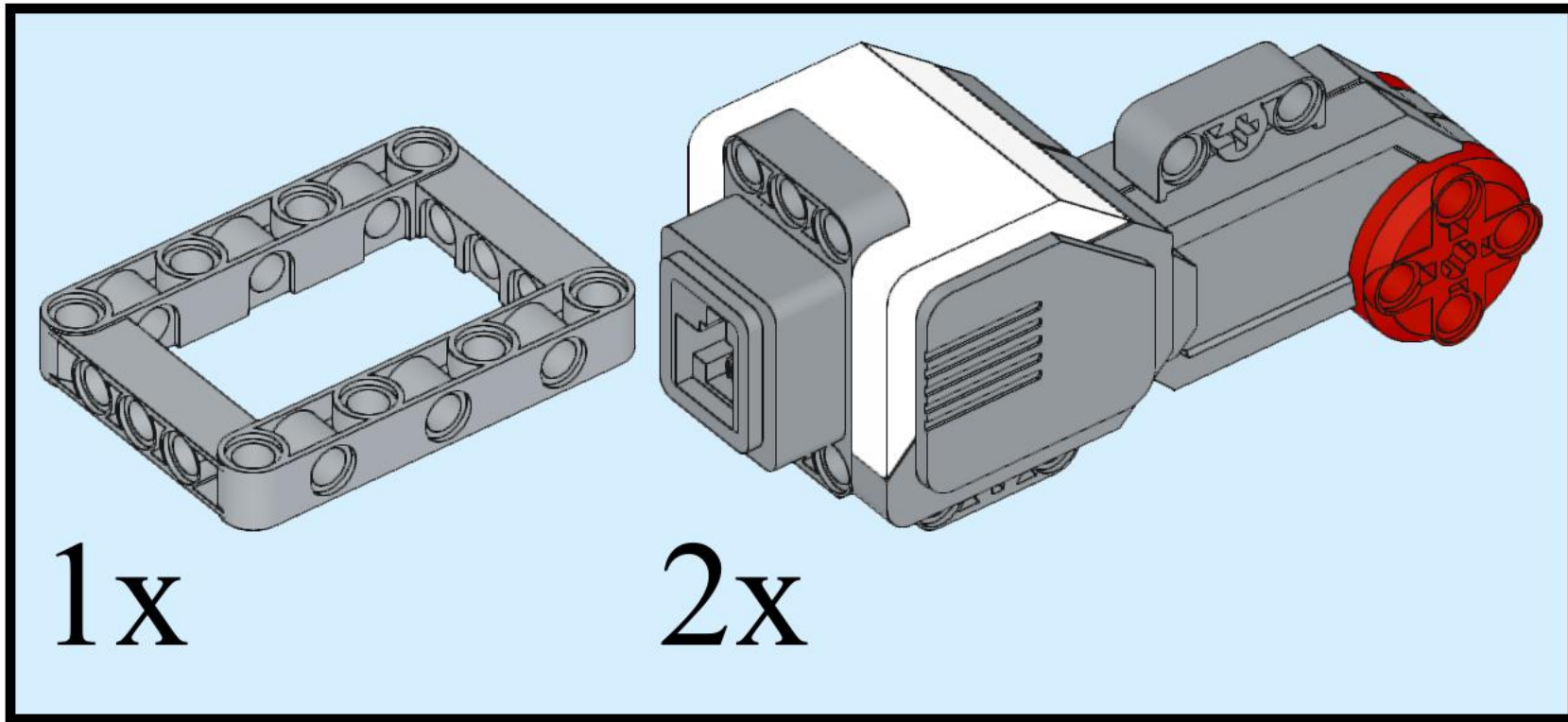


24x
6558
Blue

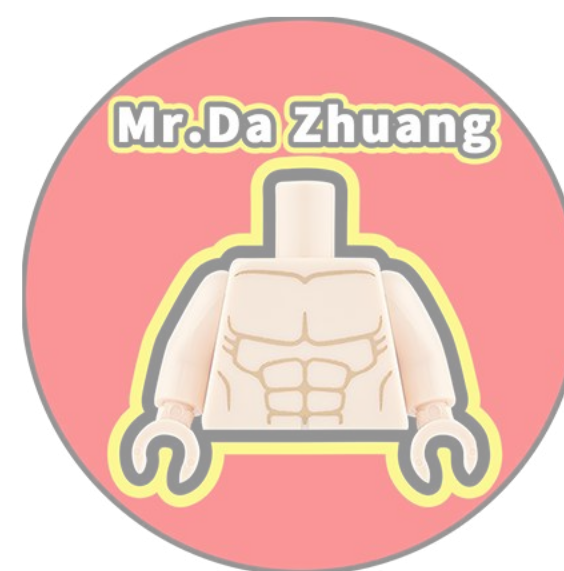
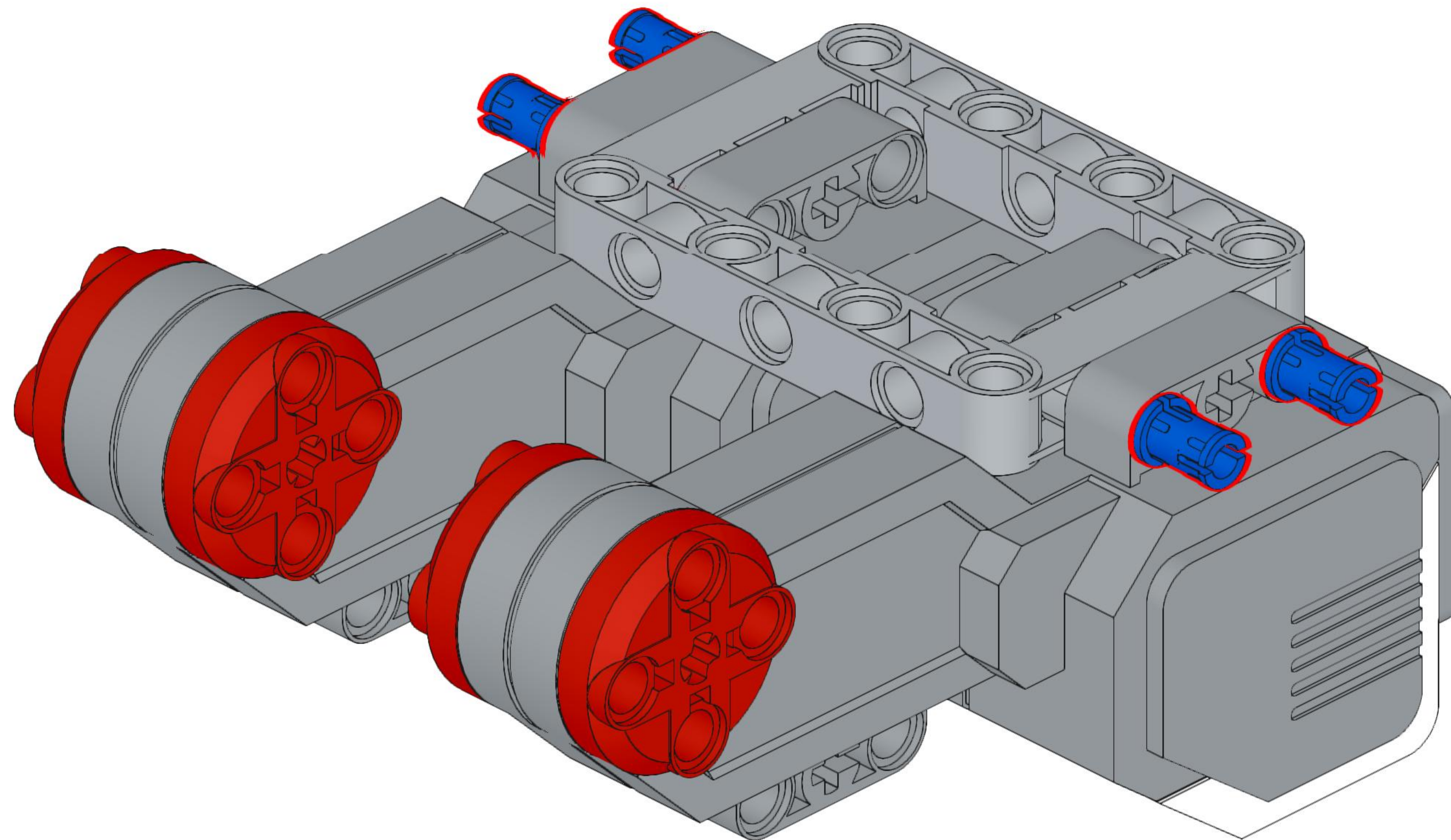
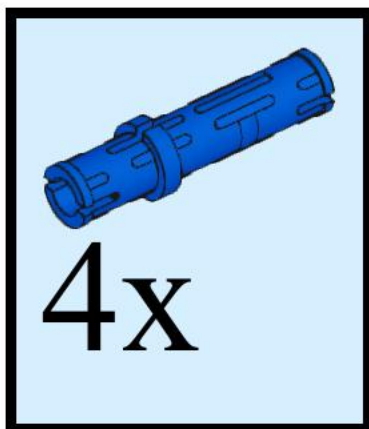
Most of the parts used to build this EV3 dragon boat come from the parts in the LEGO 45544+45560 set. However, the 45544+45560 series only has 4 large gears and only 4 32106 parts. If you are short of parts, you can just build 4 paddles.

搭建这个EV3龙舟作品的大部分零件都来自于乐高45544+45560套装内的零件。但是45544+45560系列只有4个大齿轮，而且只有4个32106零件，缺少零件的话，大家可以只搭建4个船桨就可以了。

1



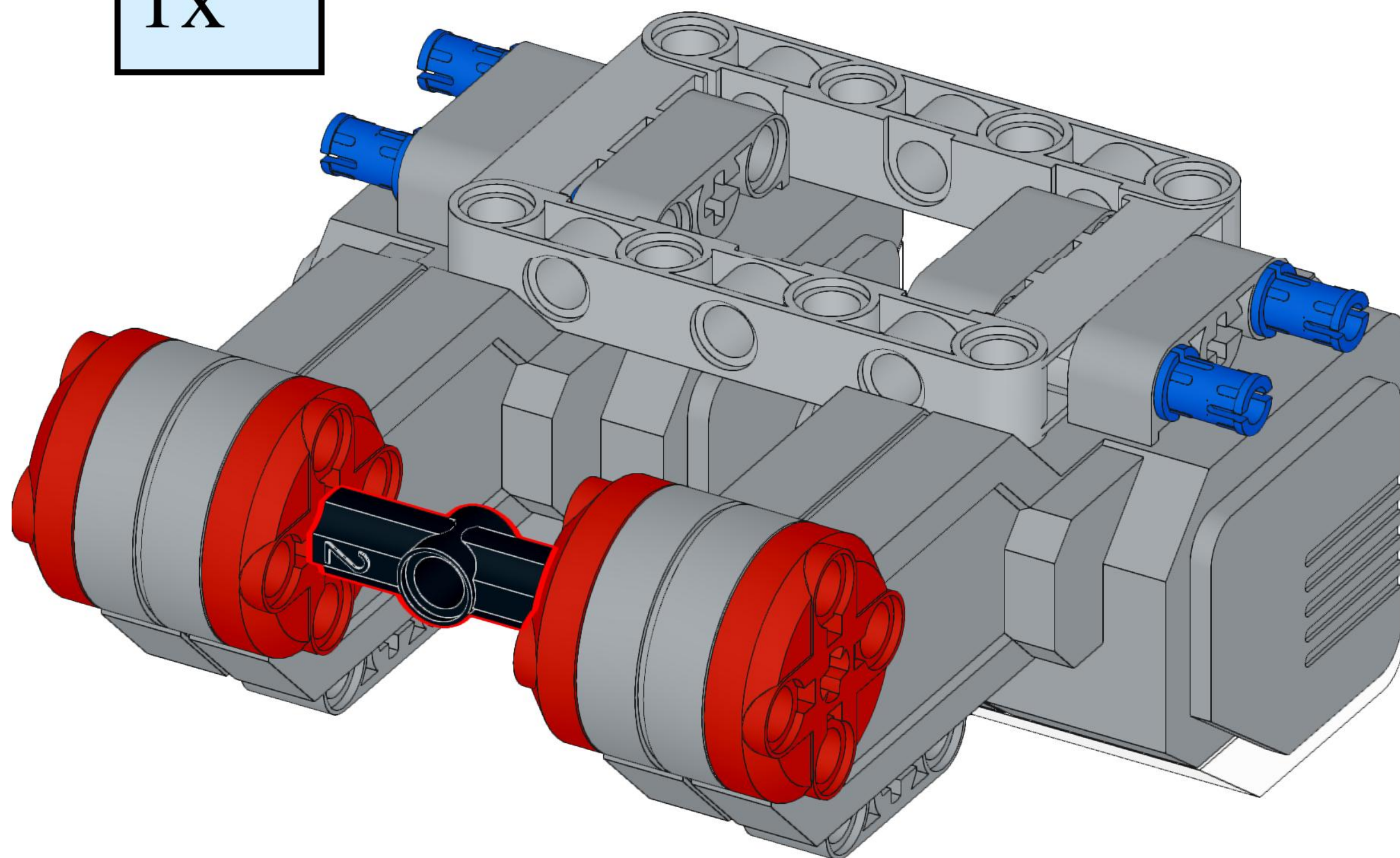
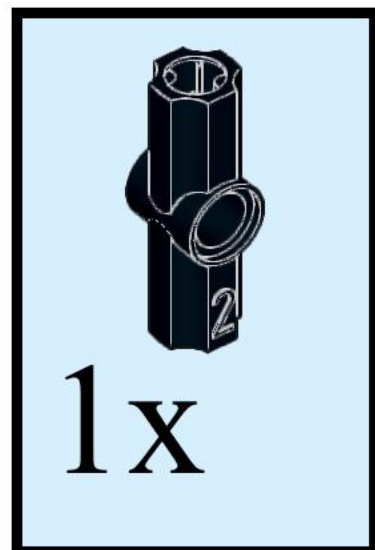
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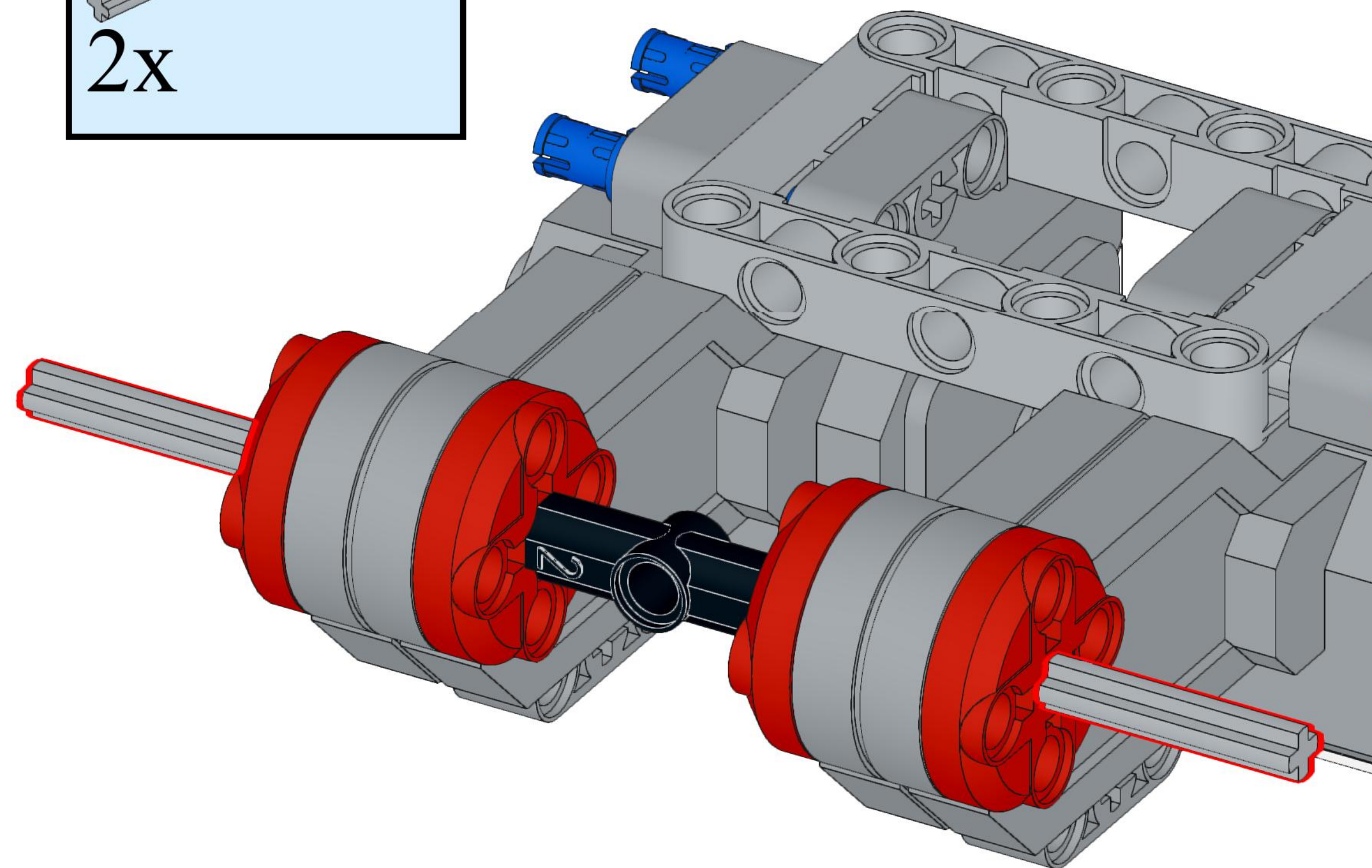
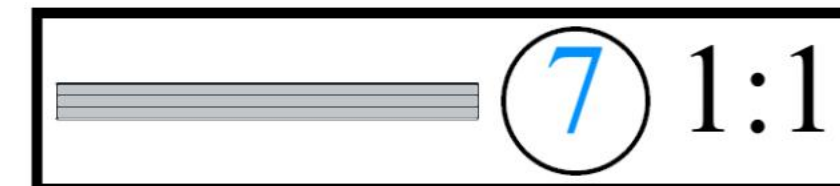
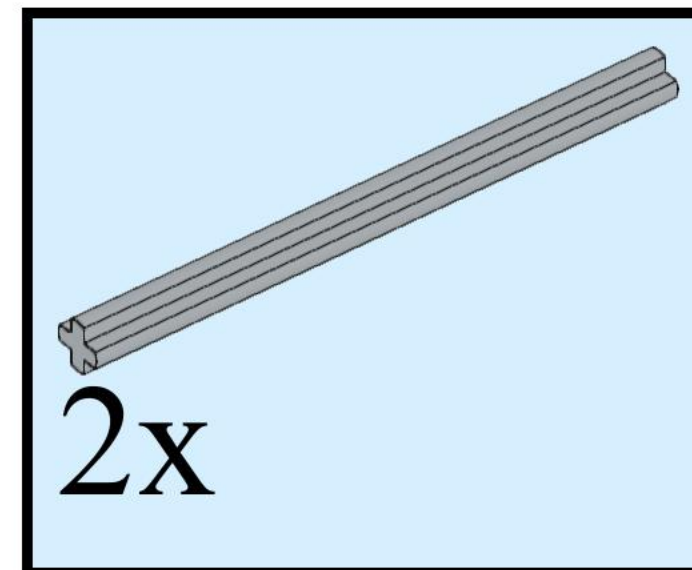
Mr. Da Zhuang

Youtube  me!

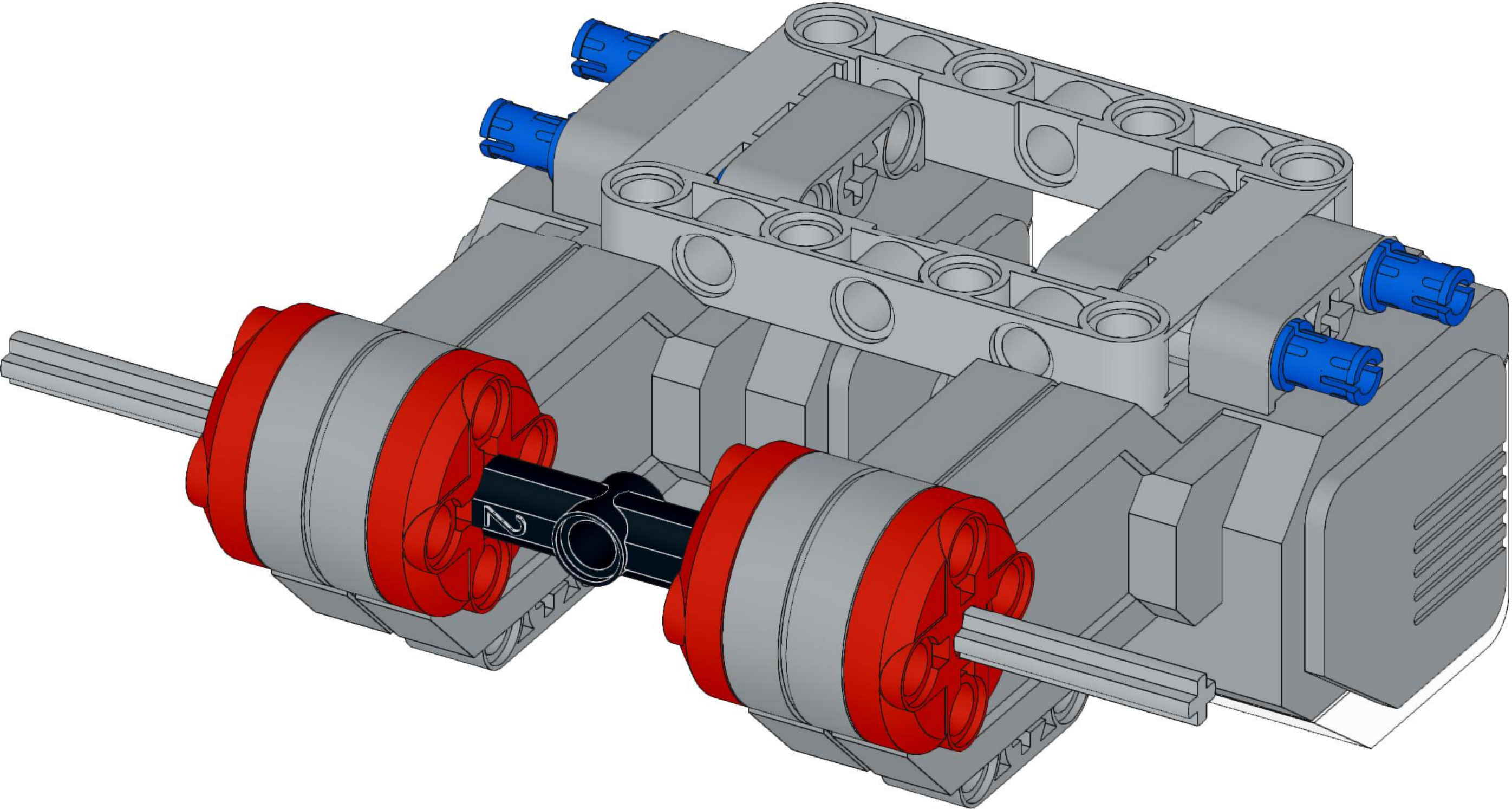
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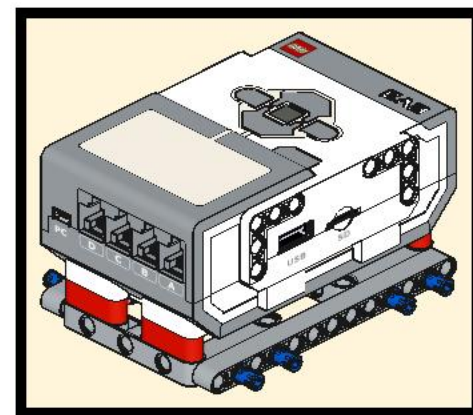
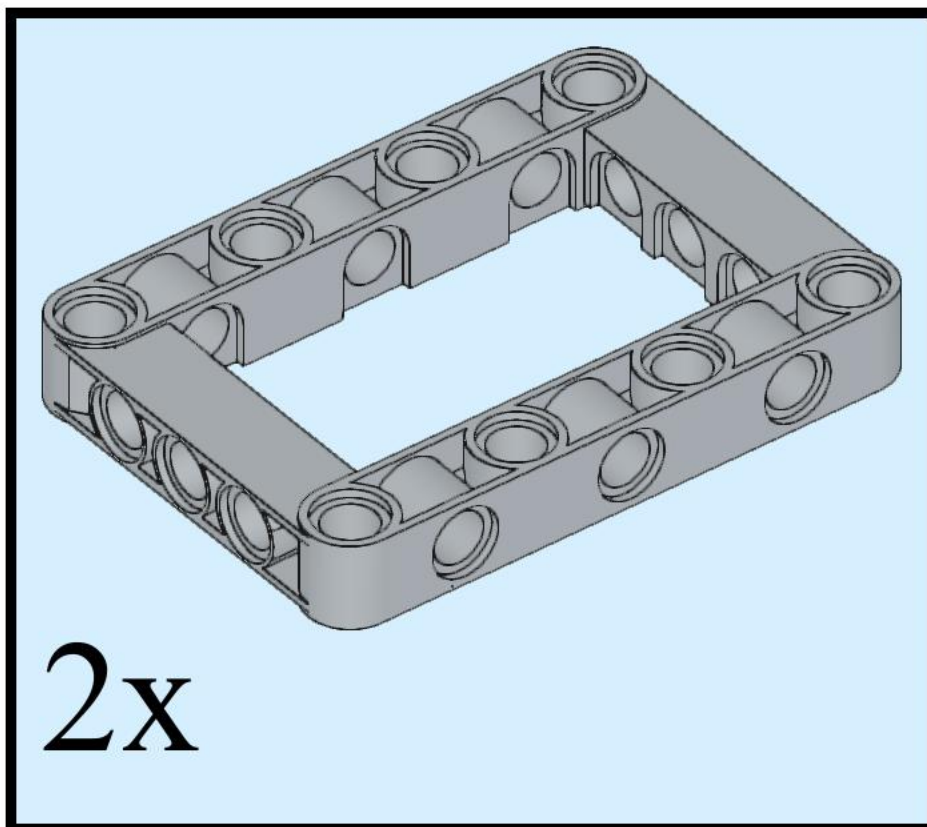
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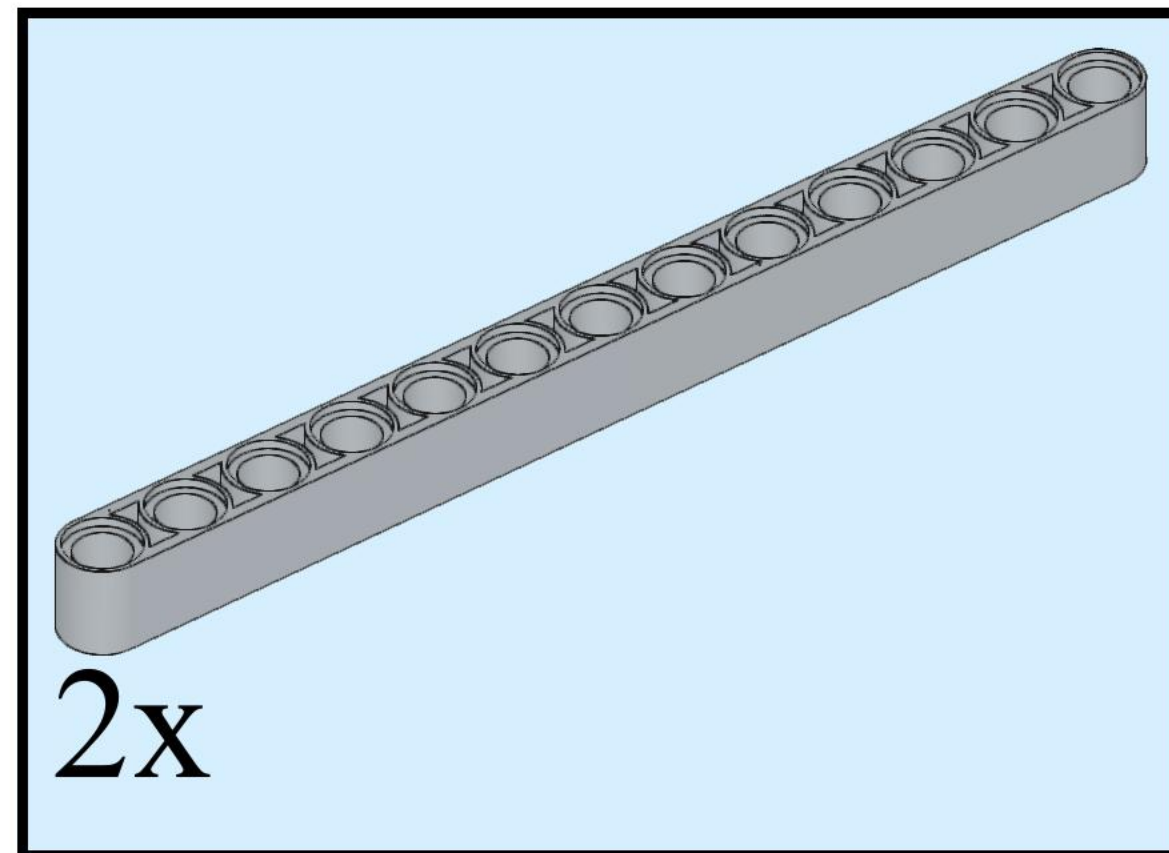
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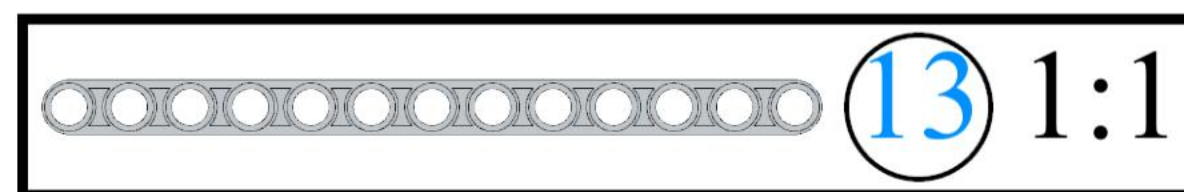
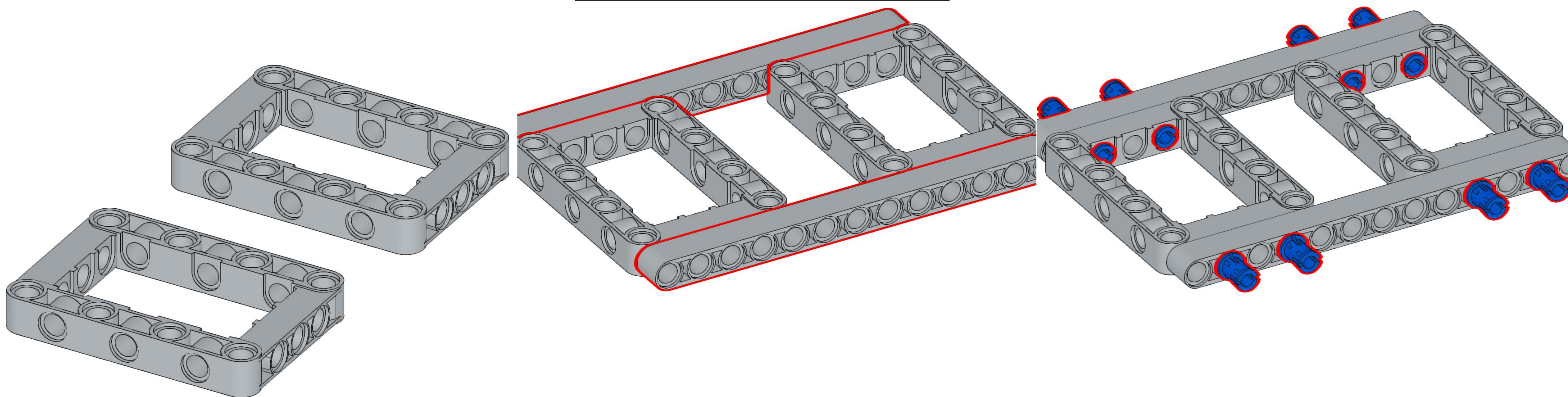
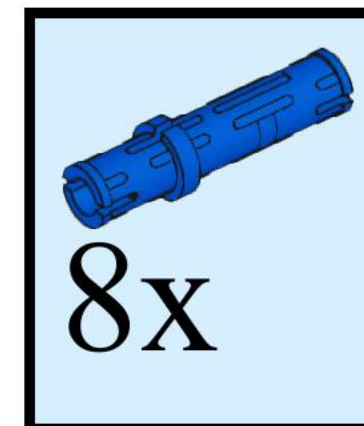
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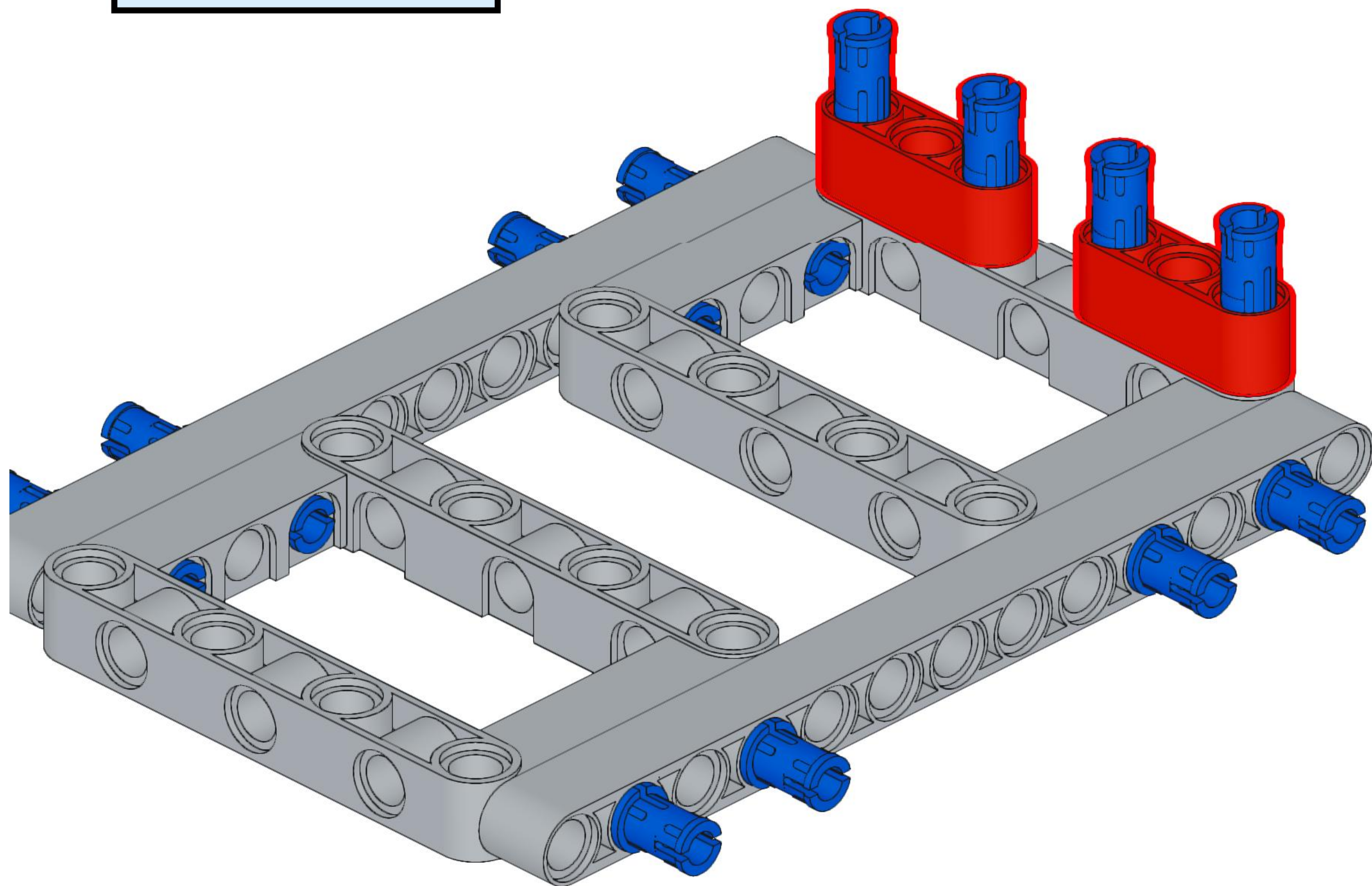
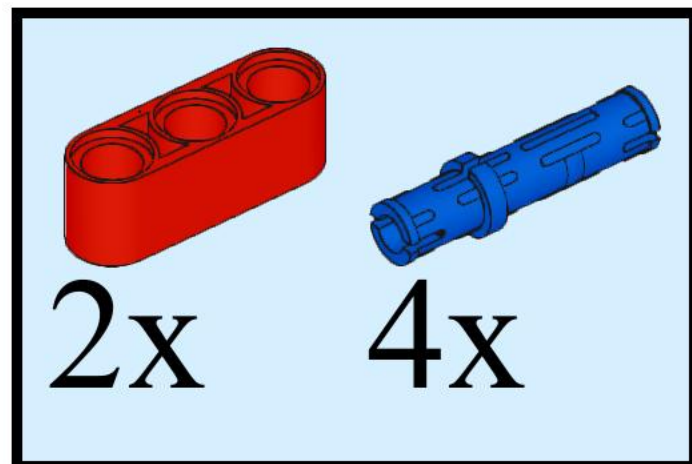
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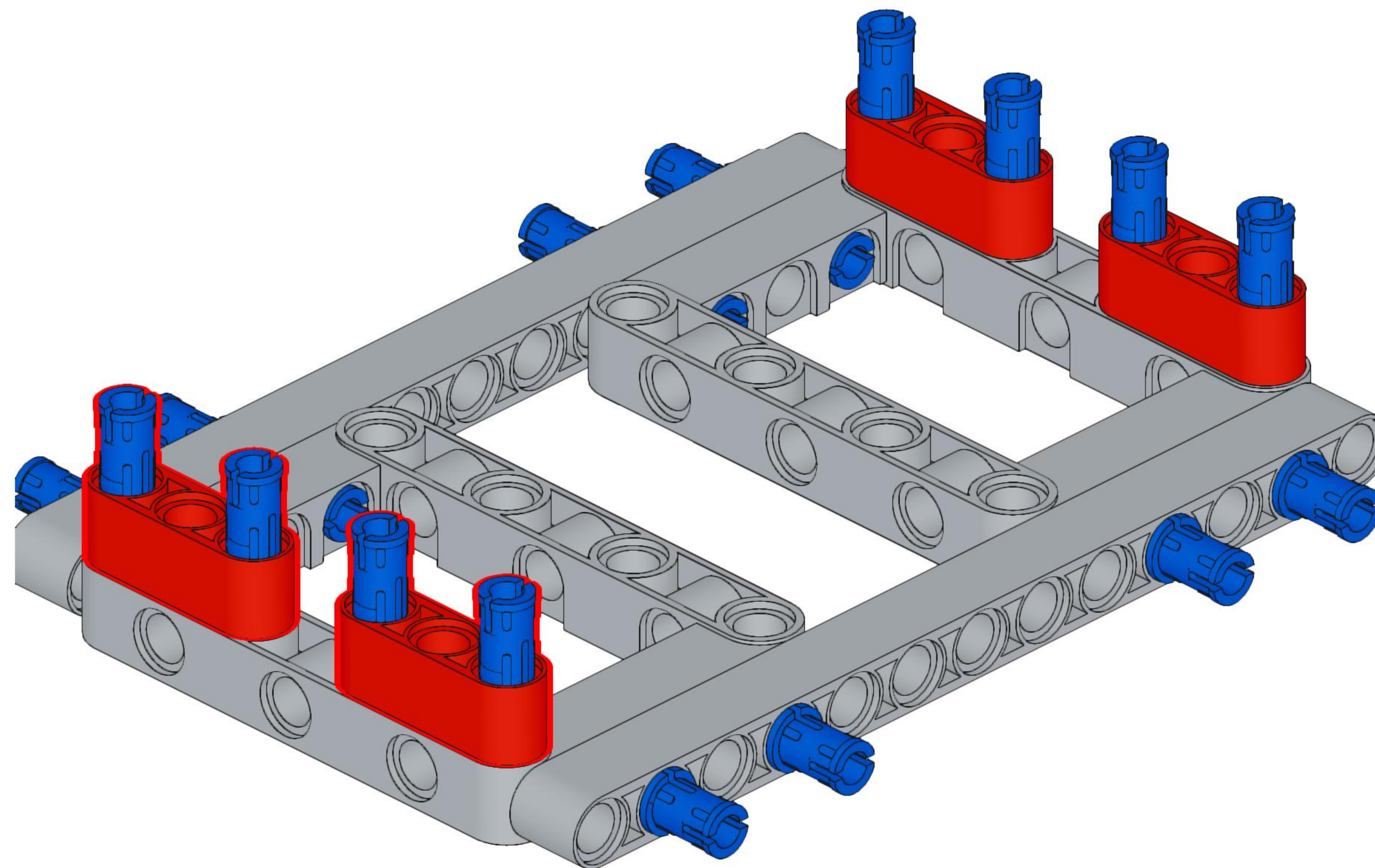
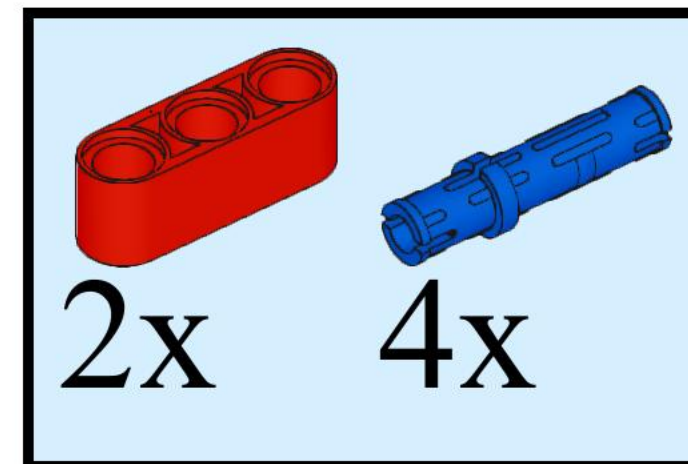
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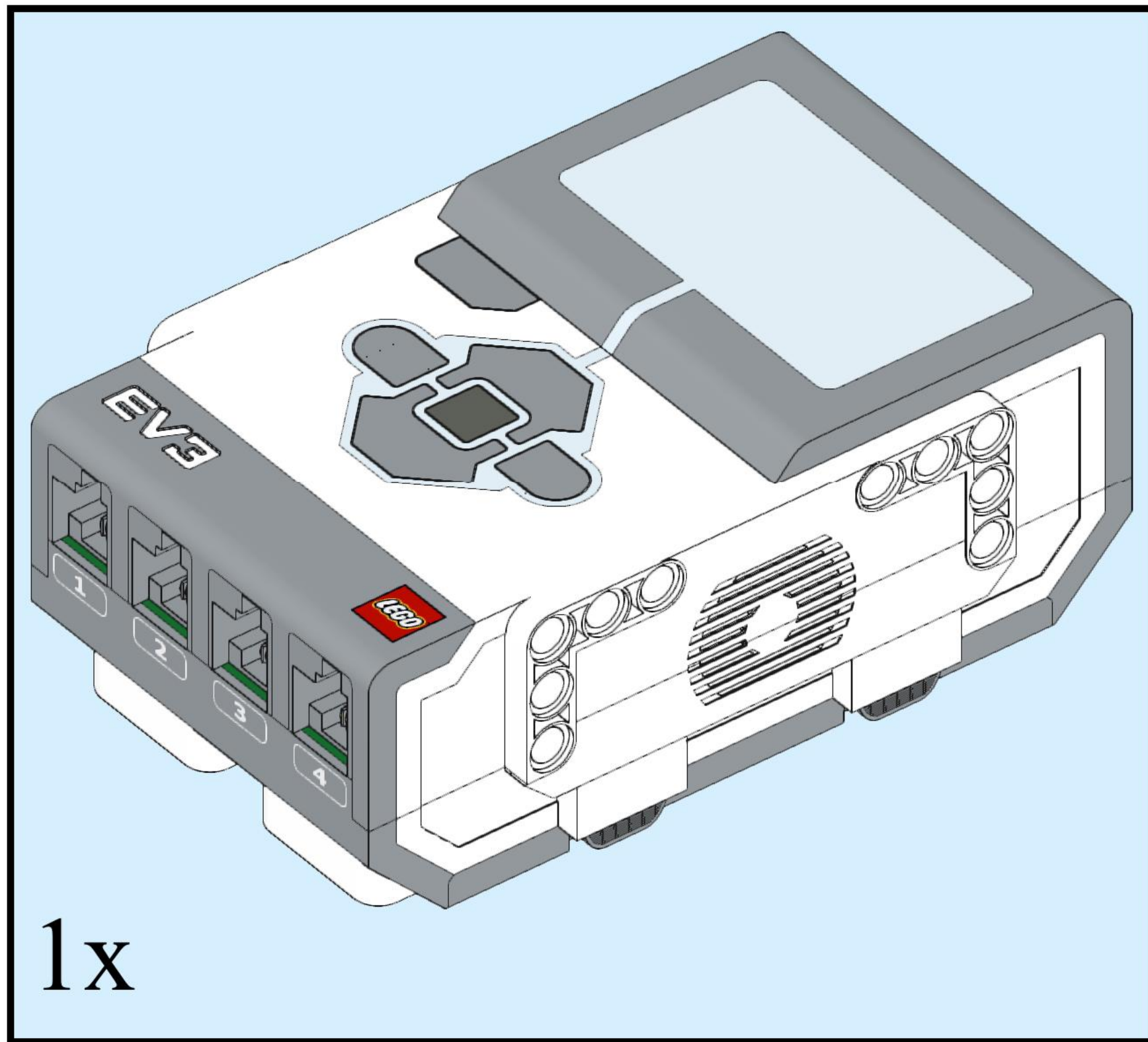


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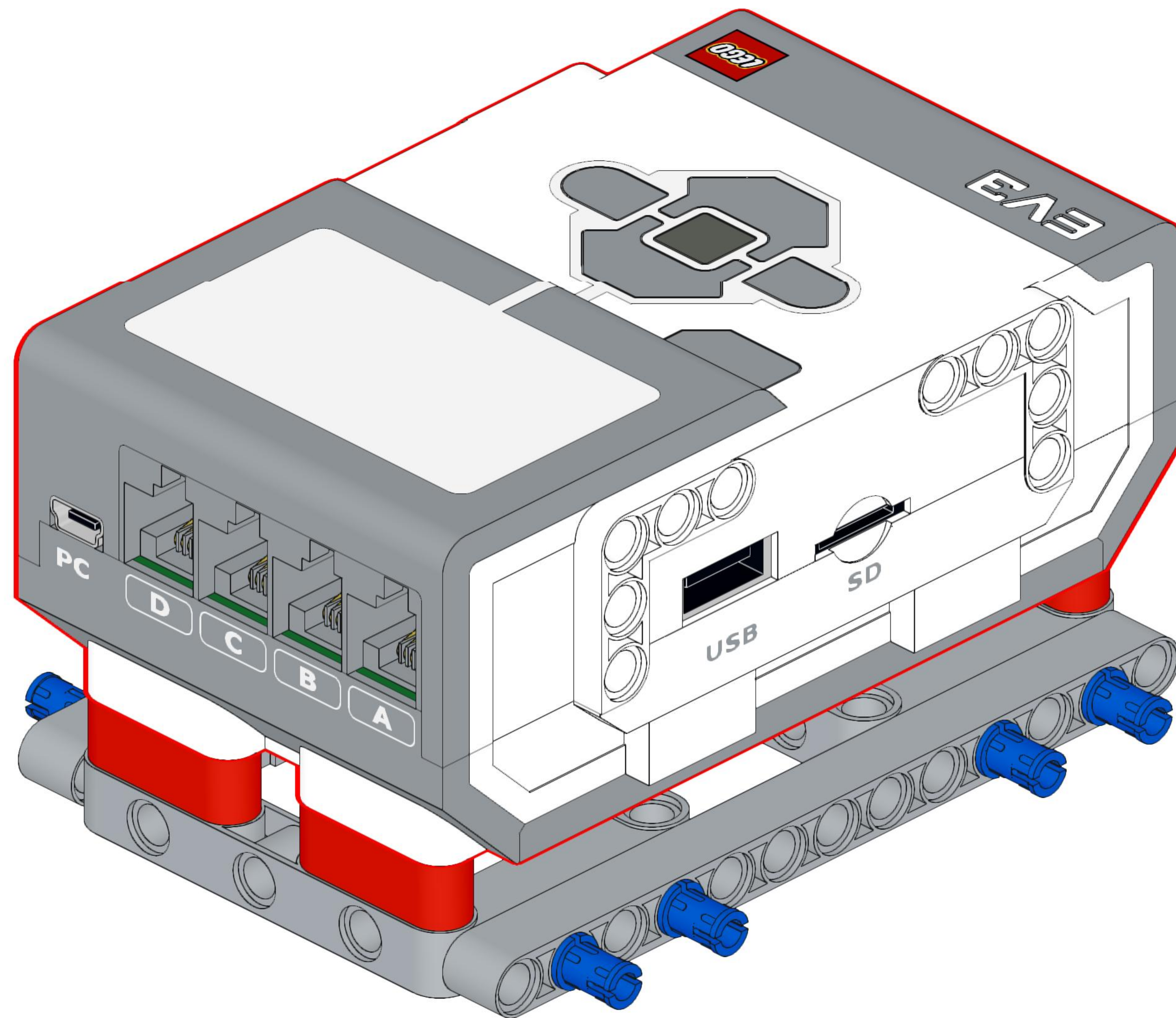
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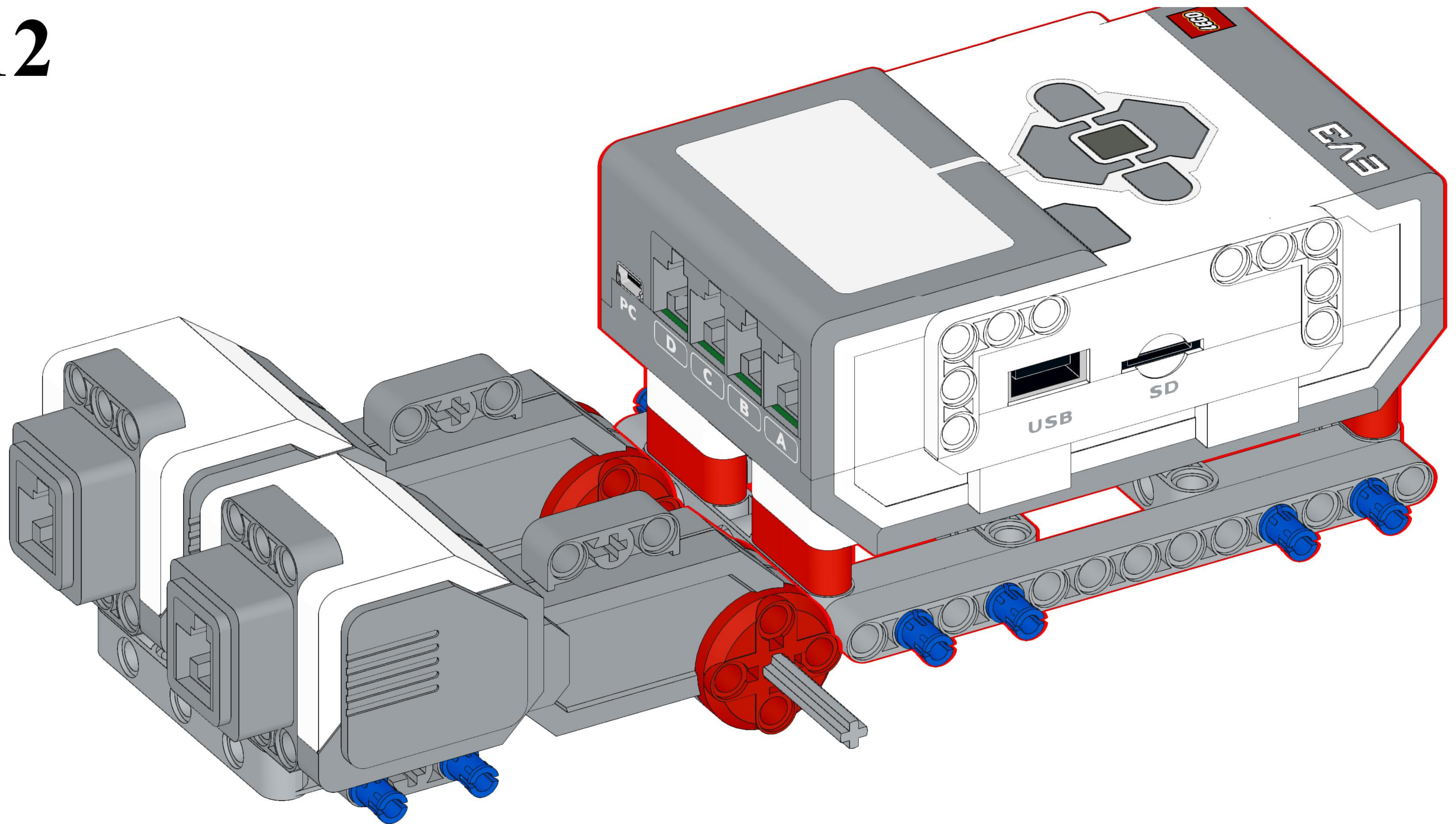


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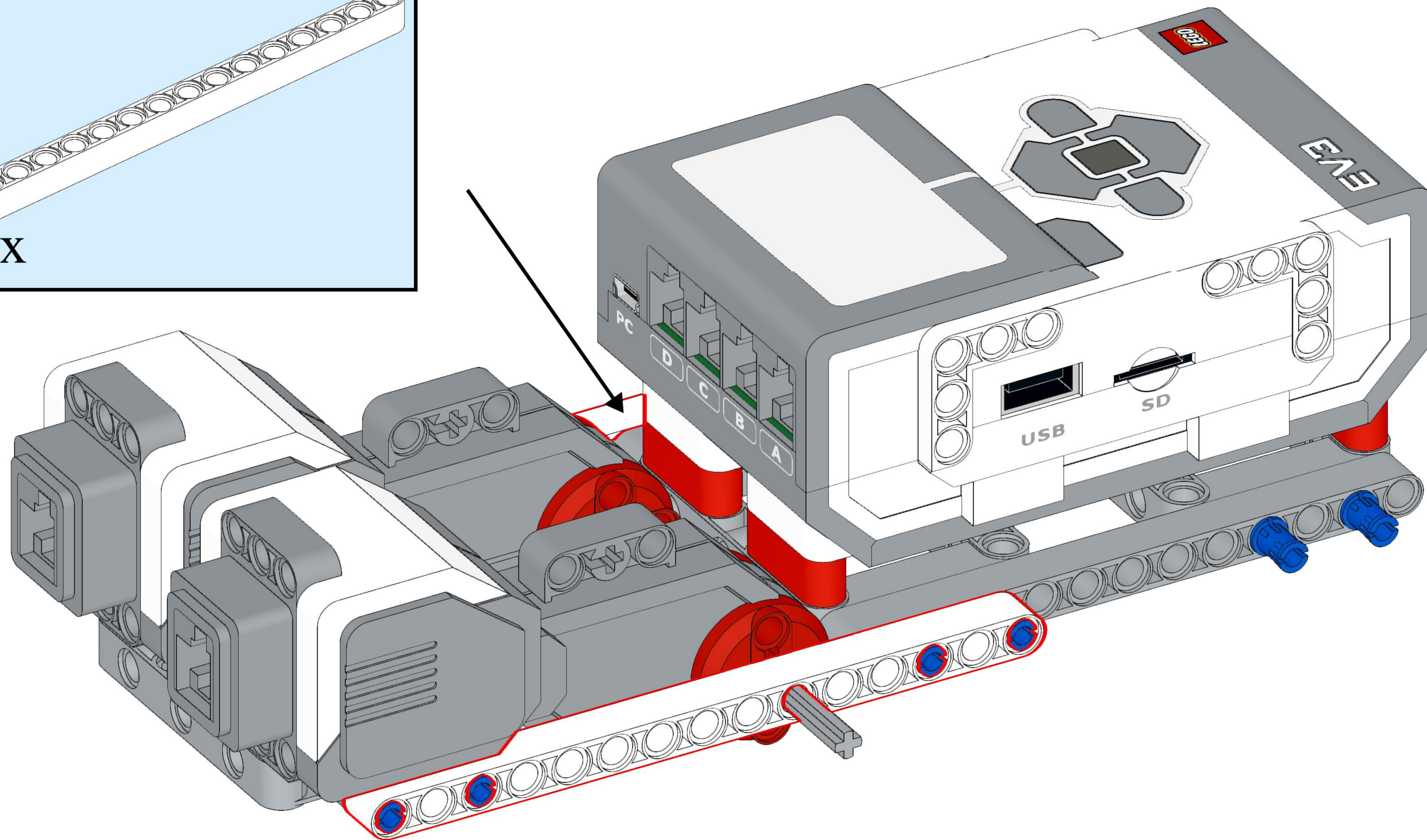
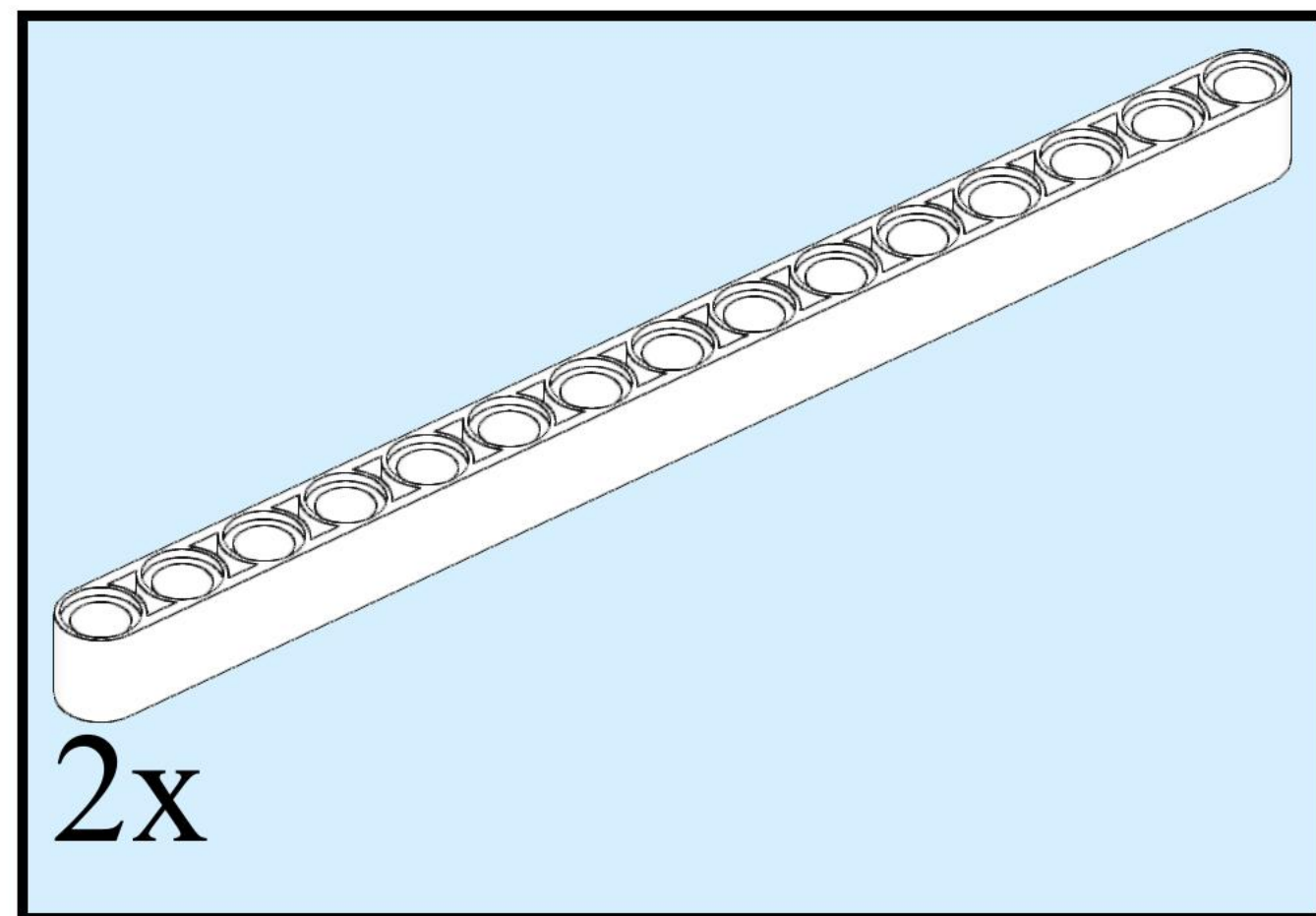
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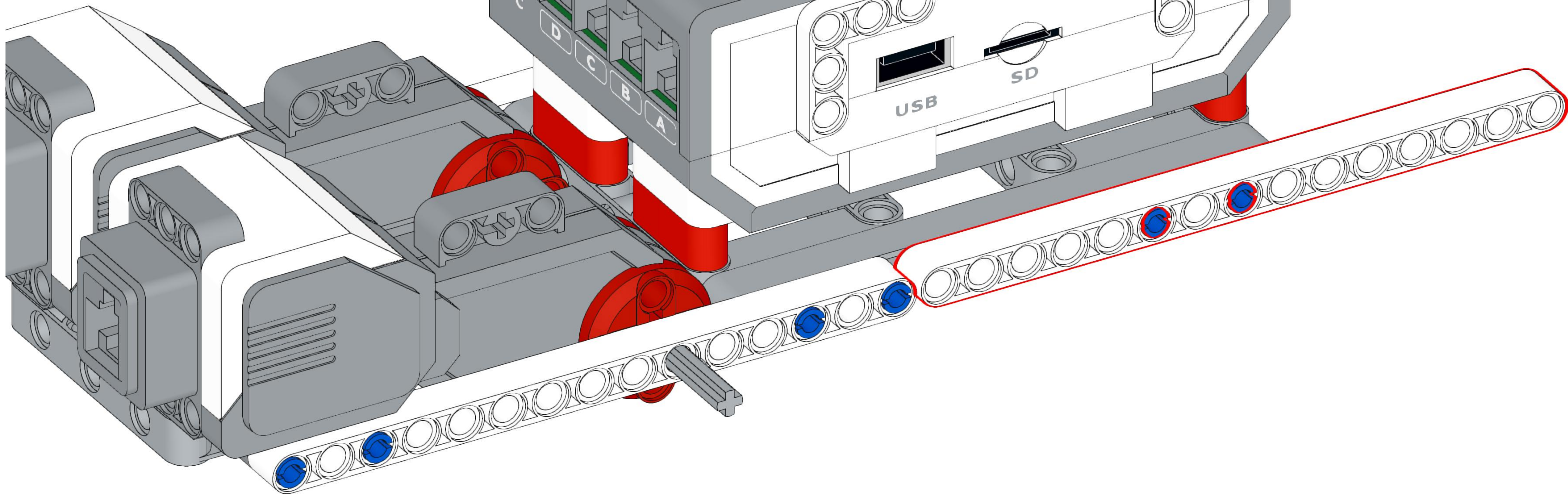
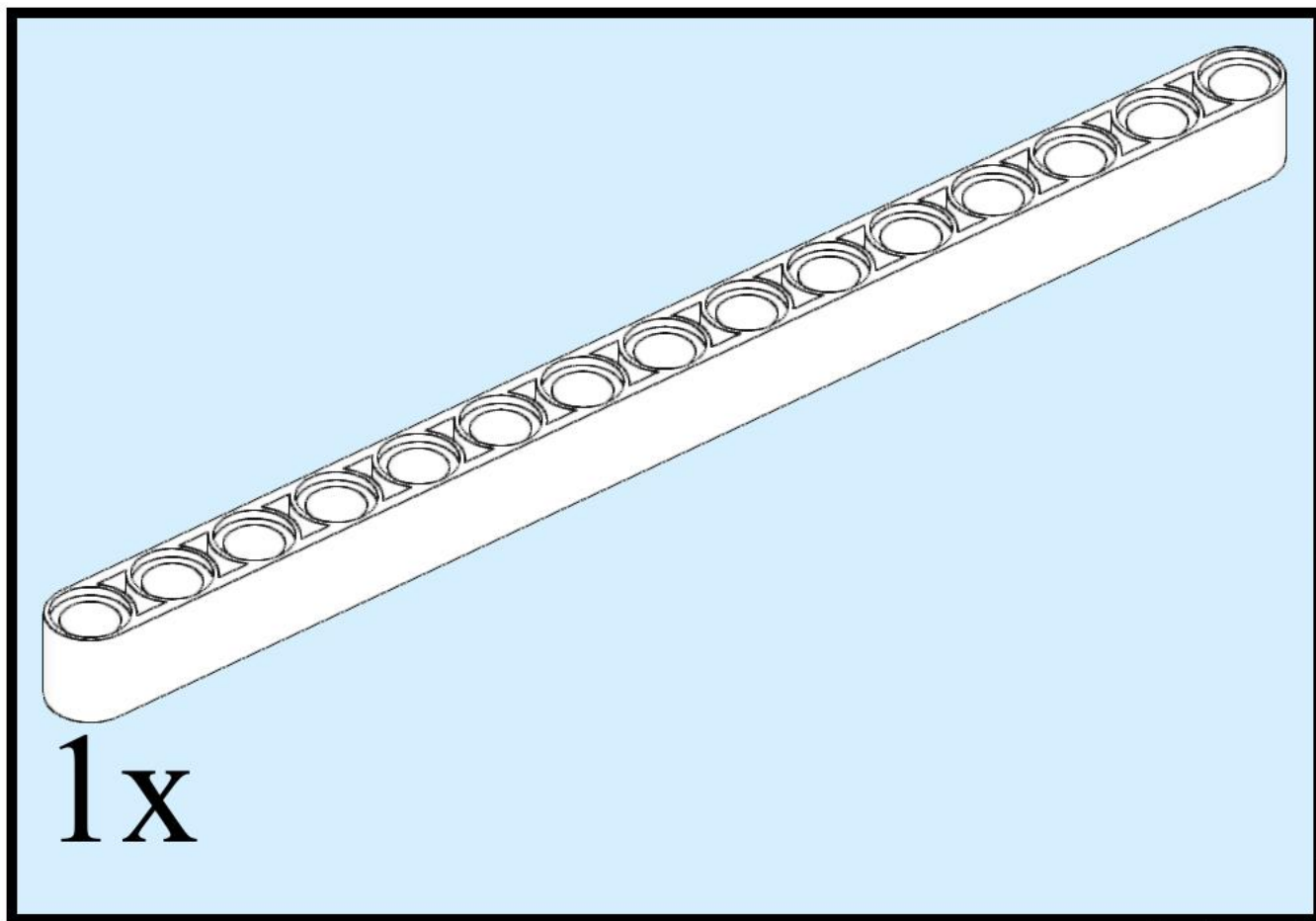
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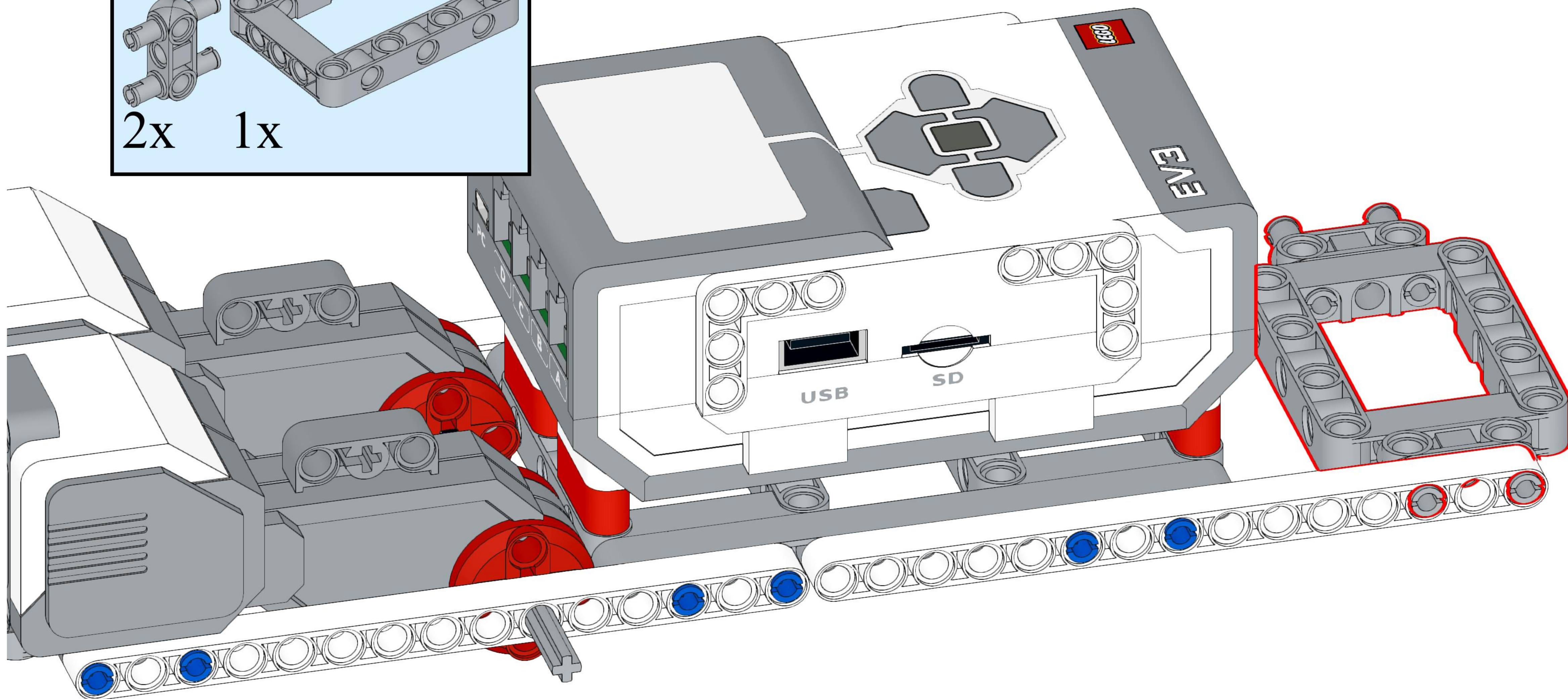
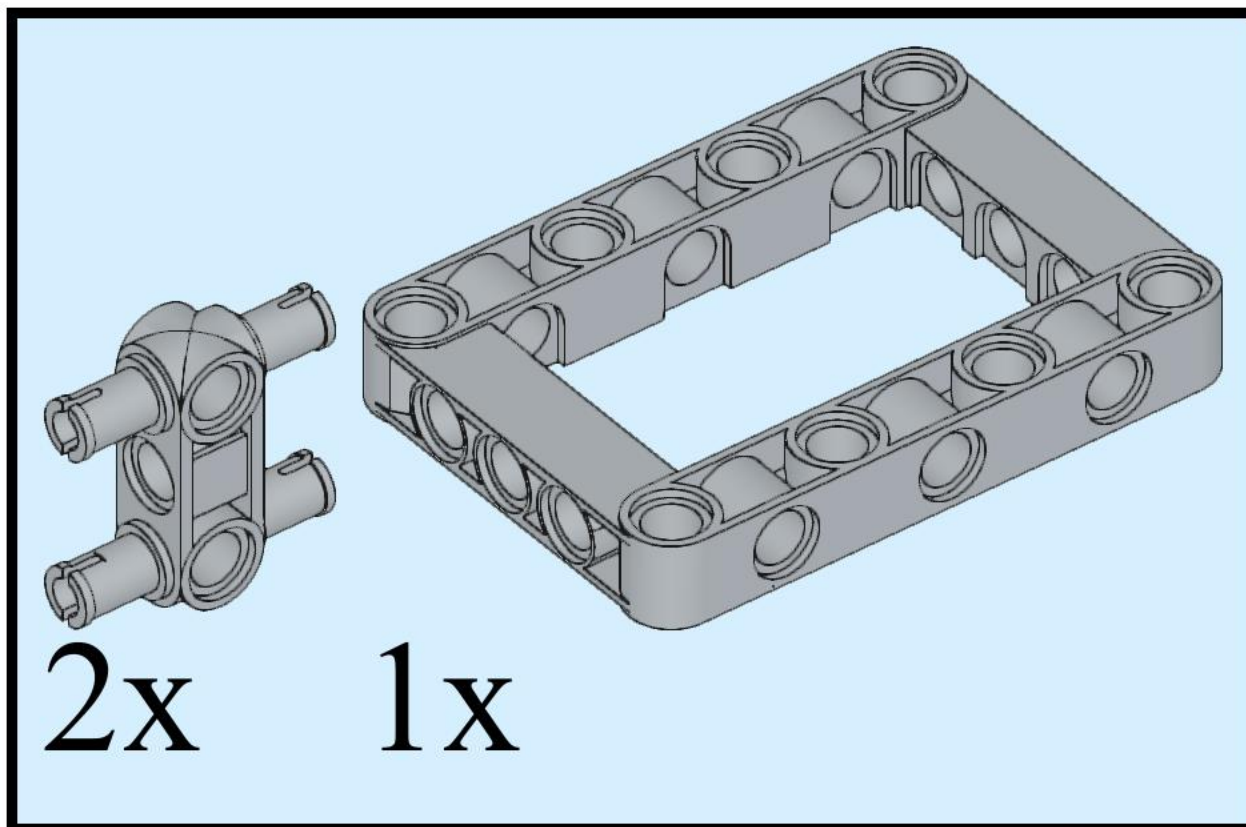
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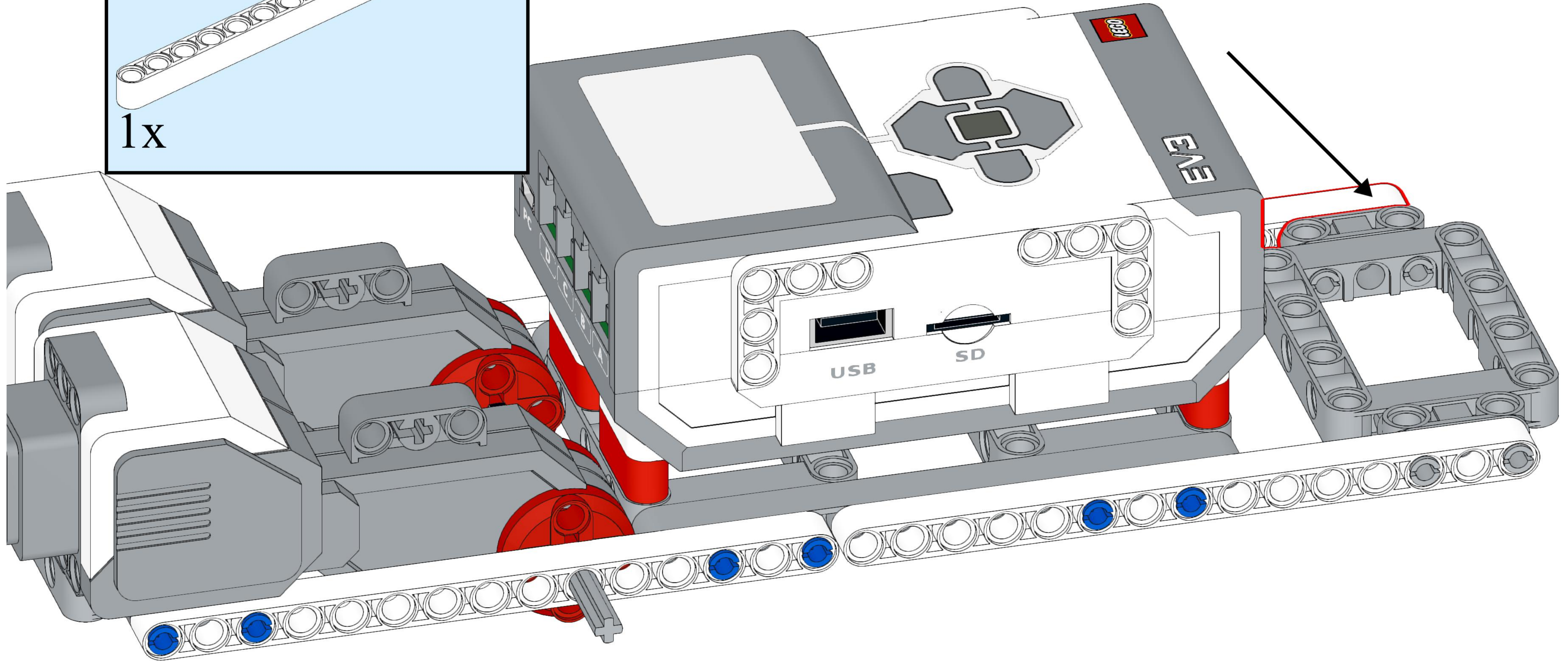
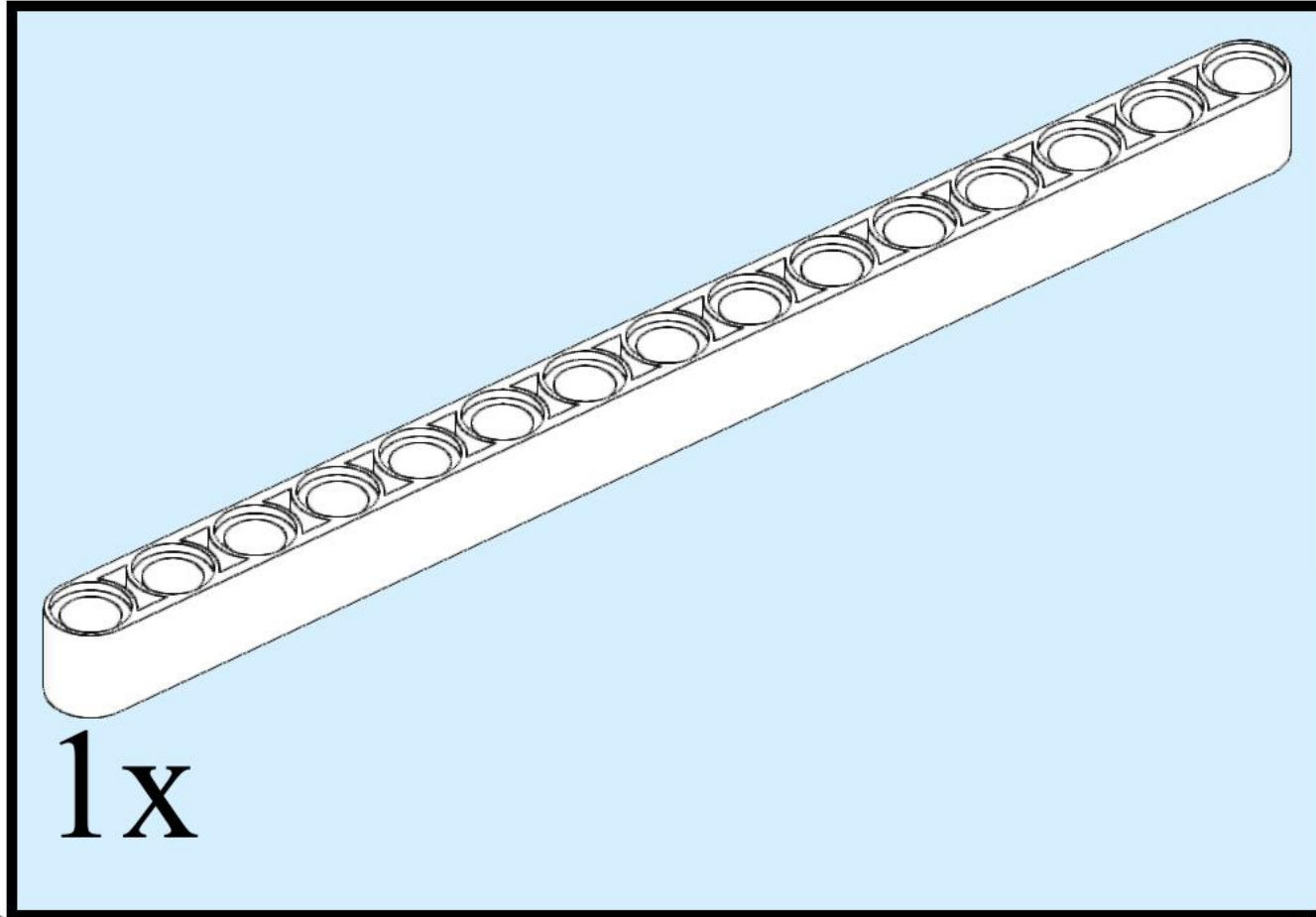
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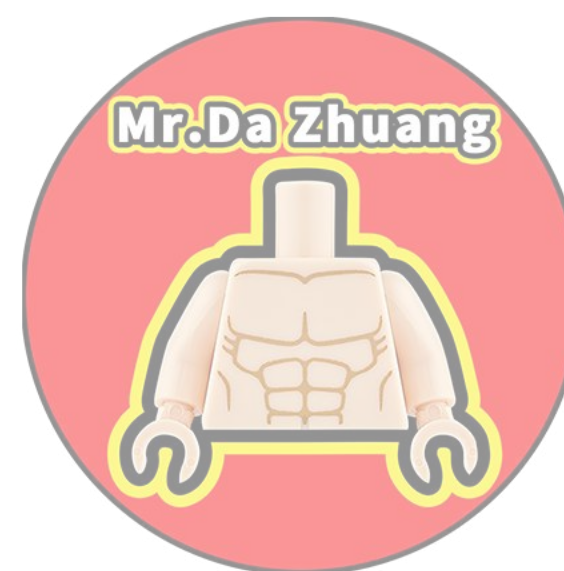
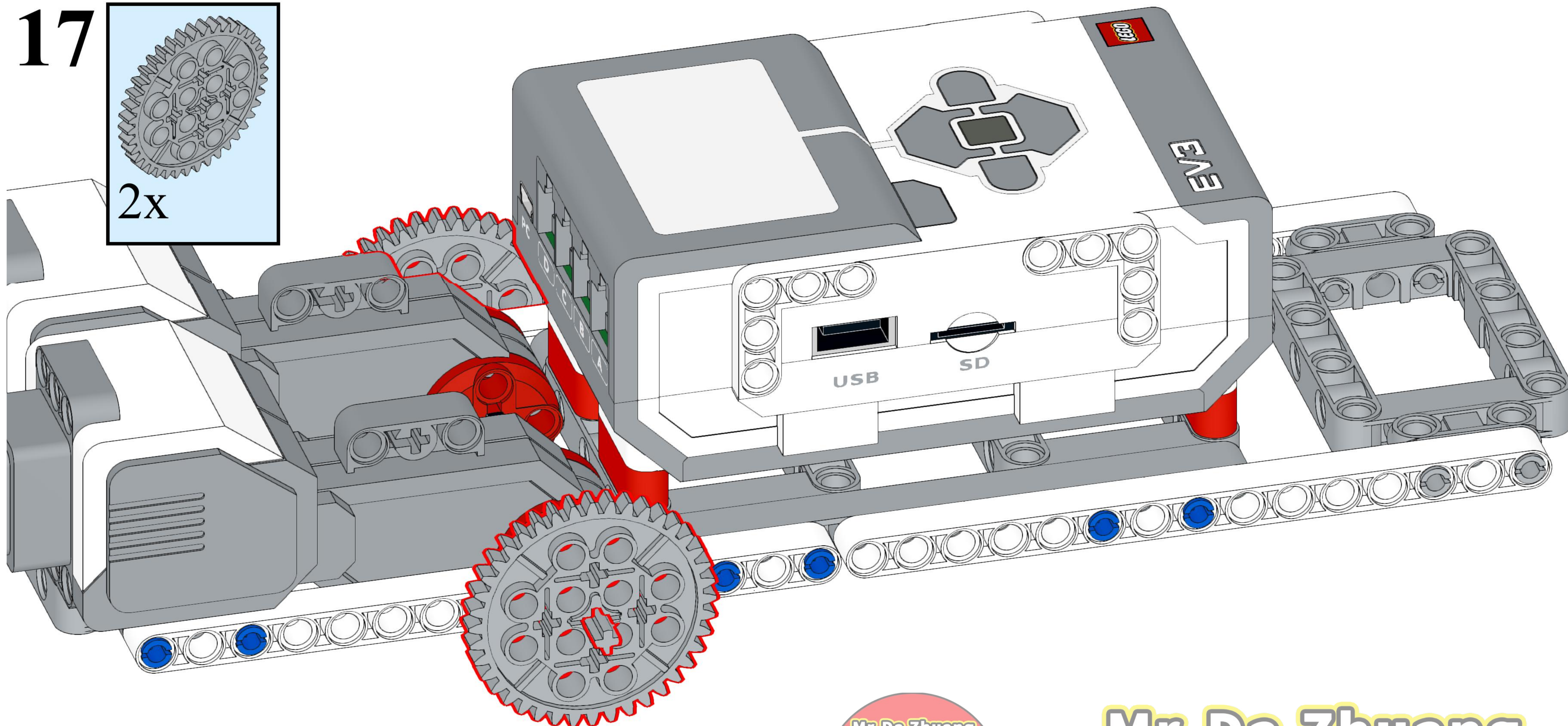
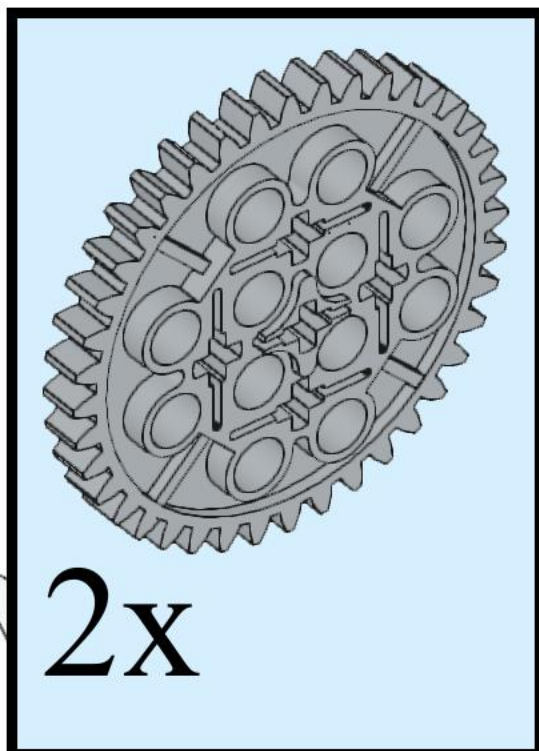
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16



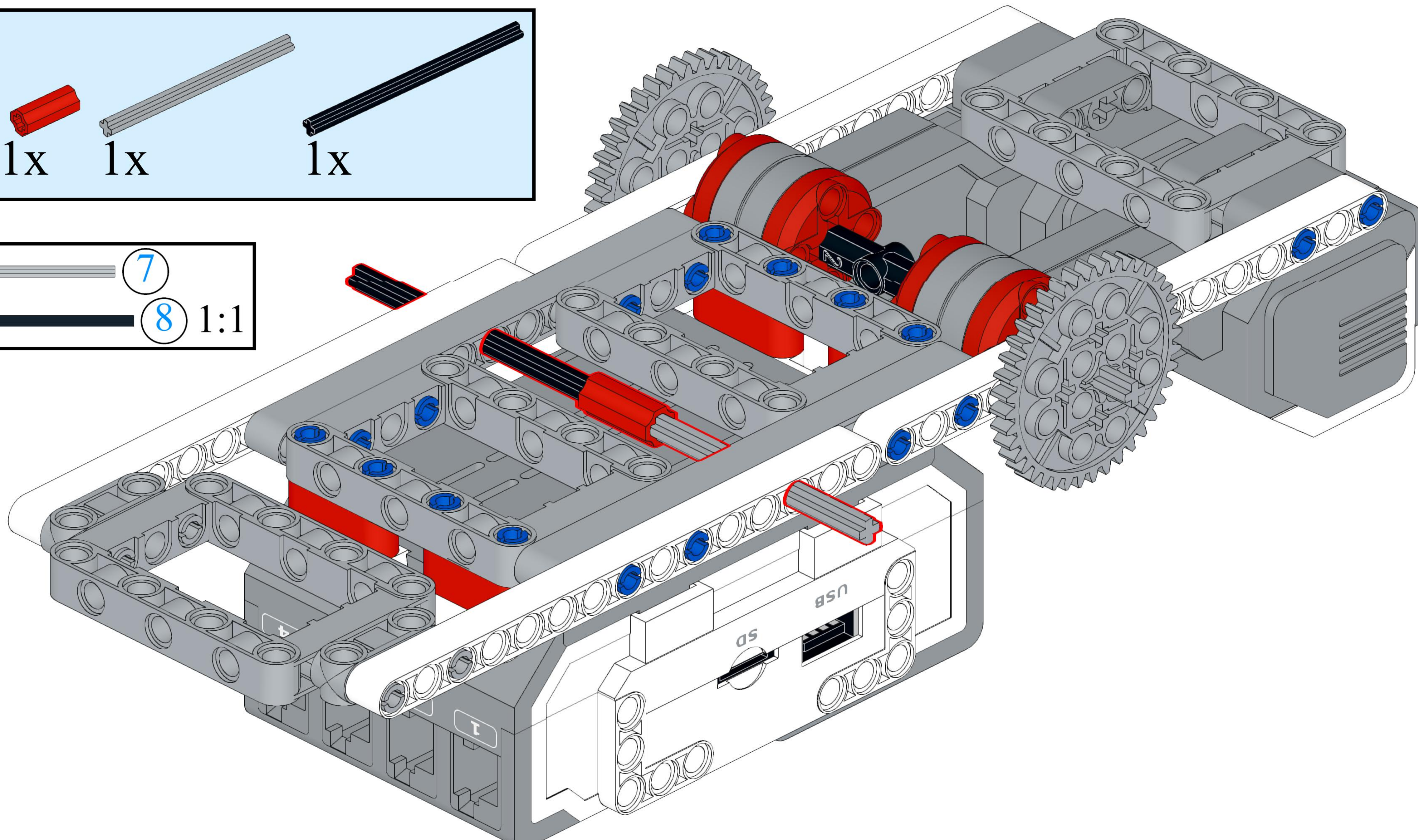
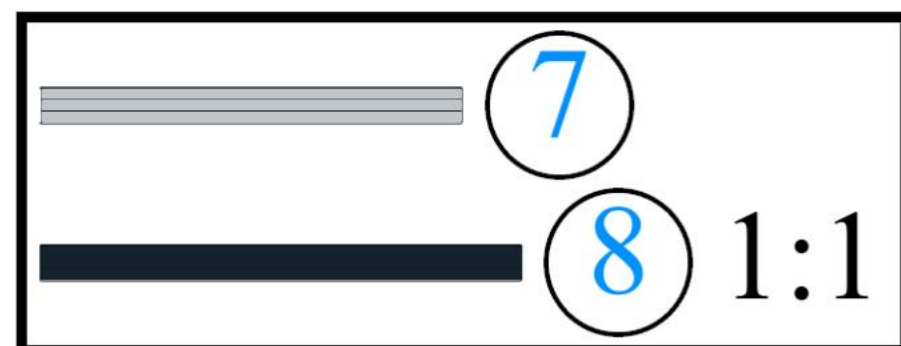
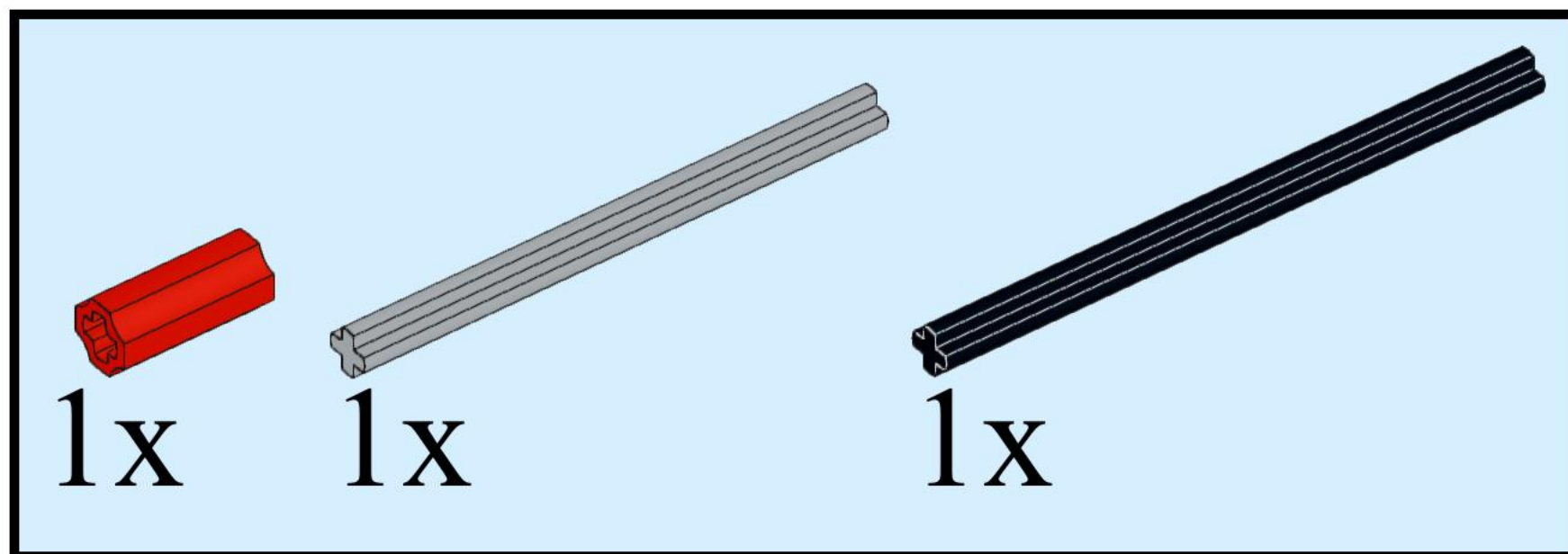
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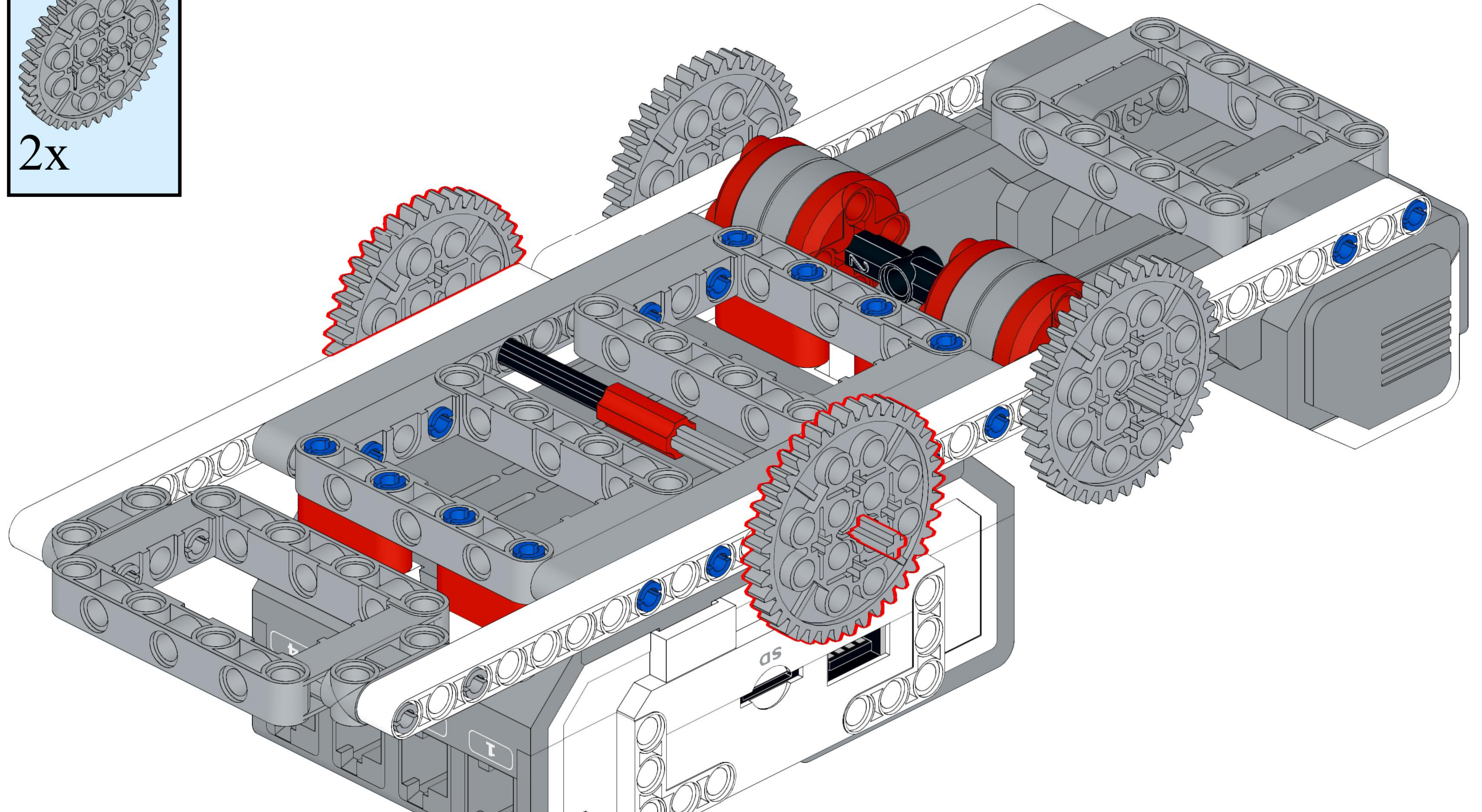
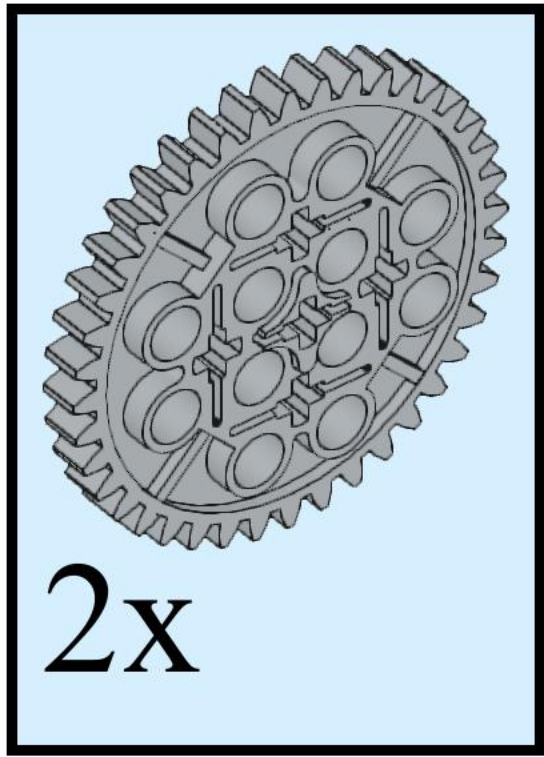
Mr. Da Zhuang

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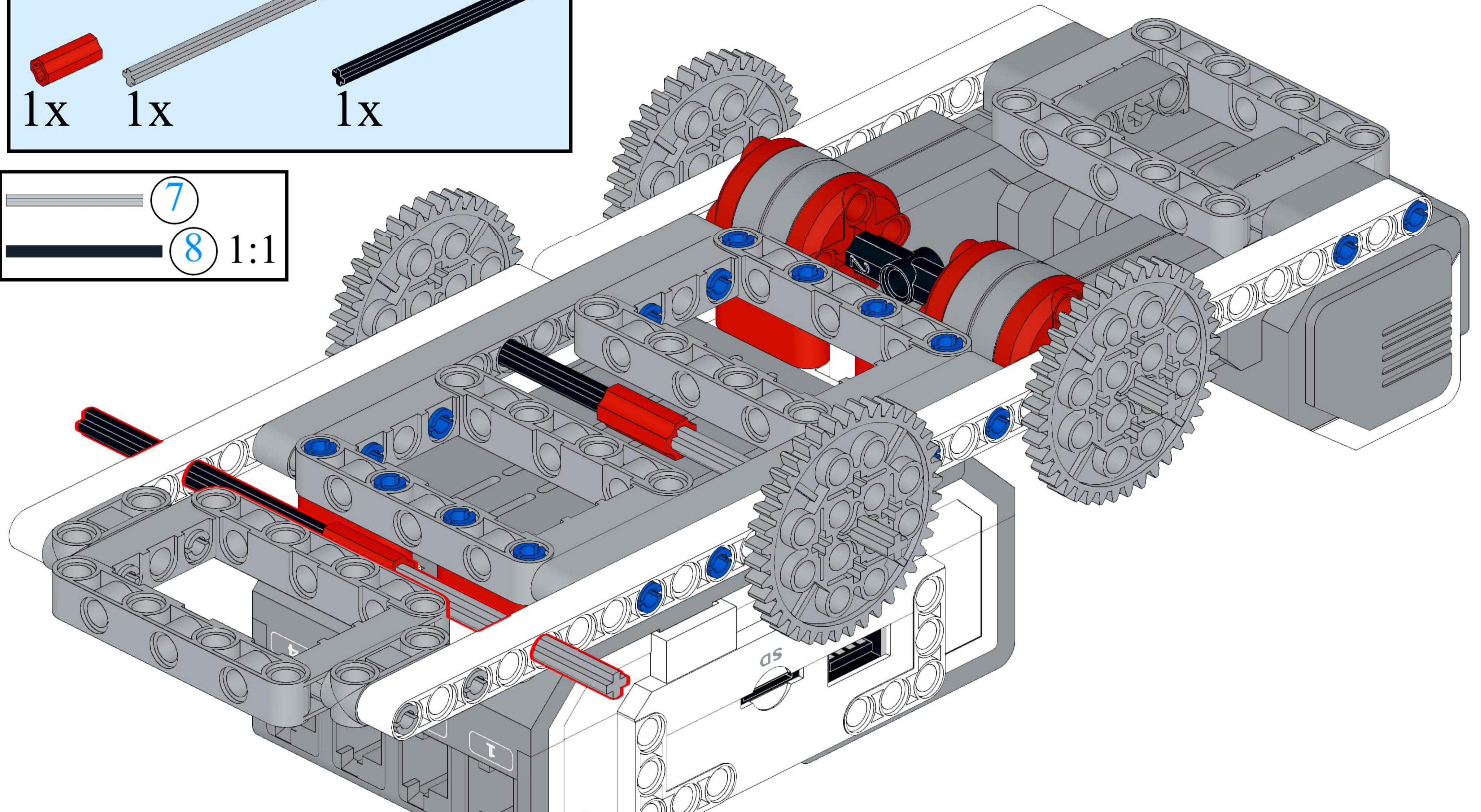
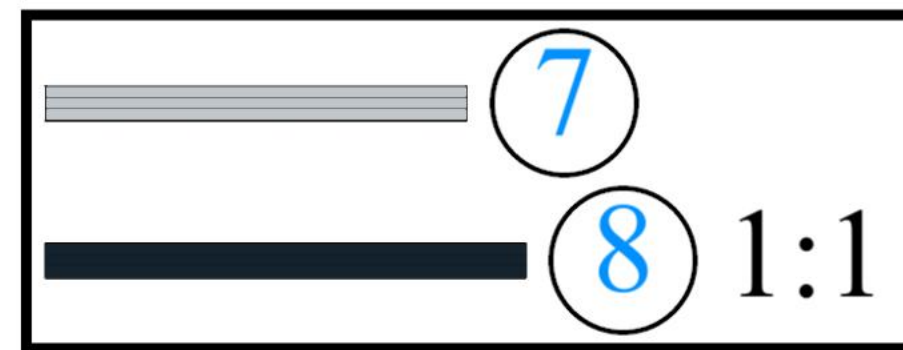
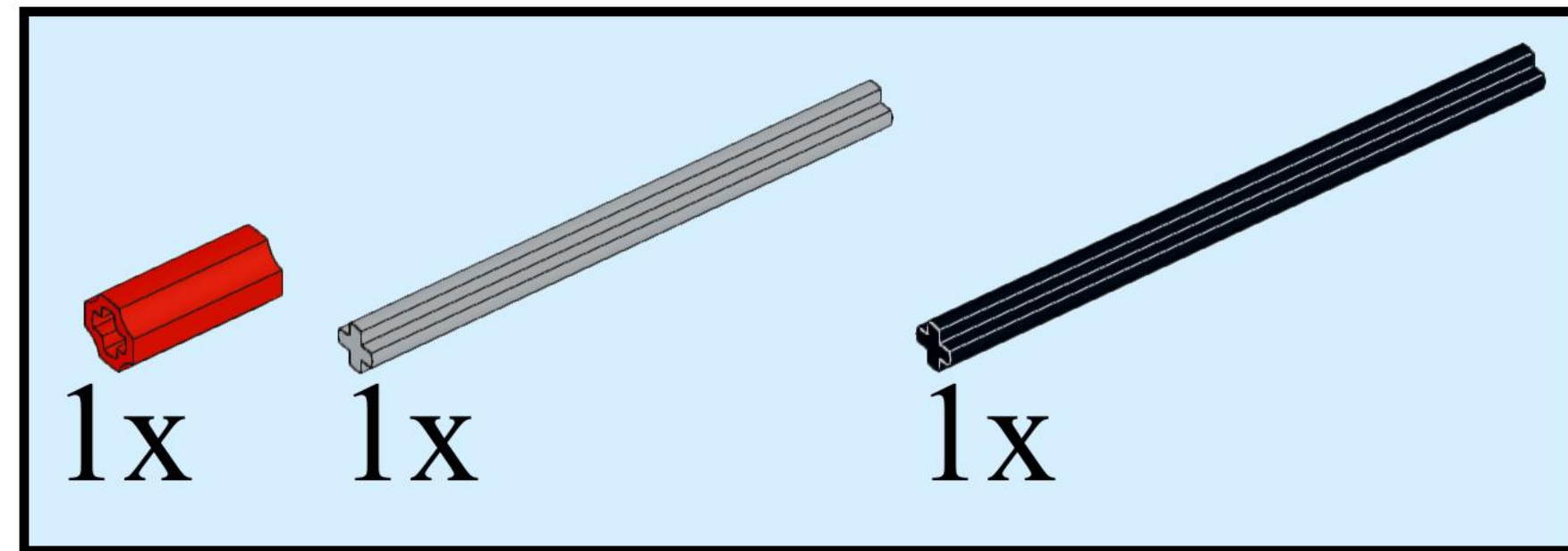
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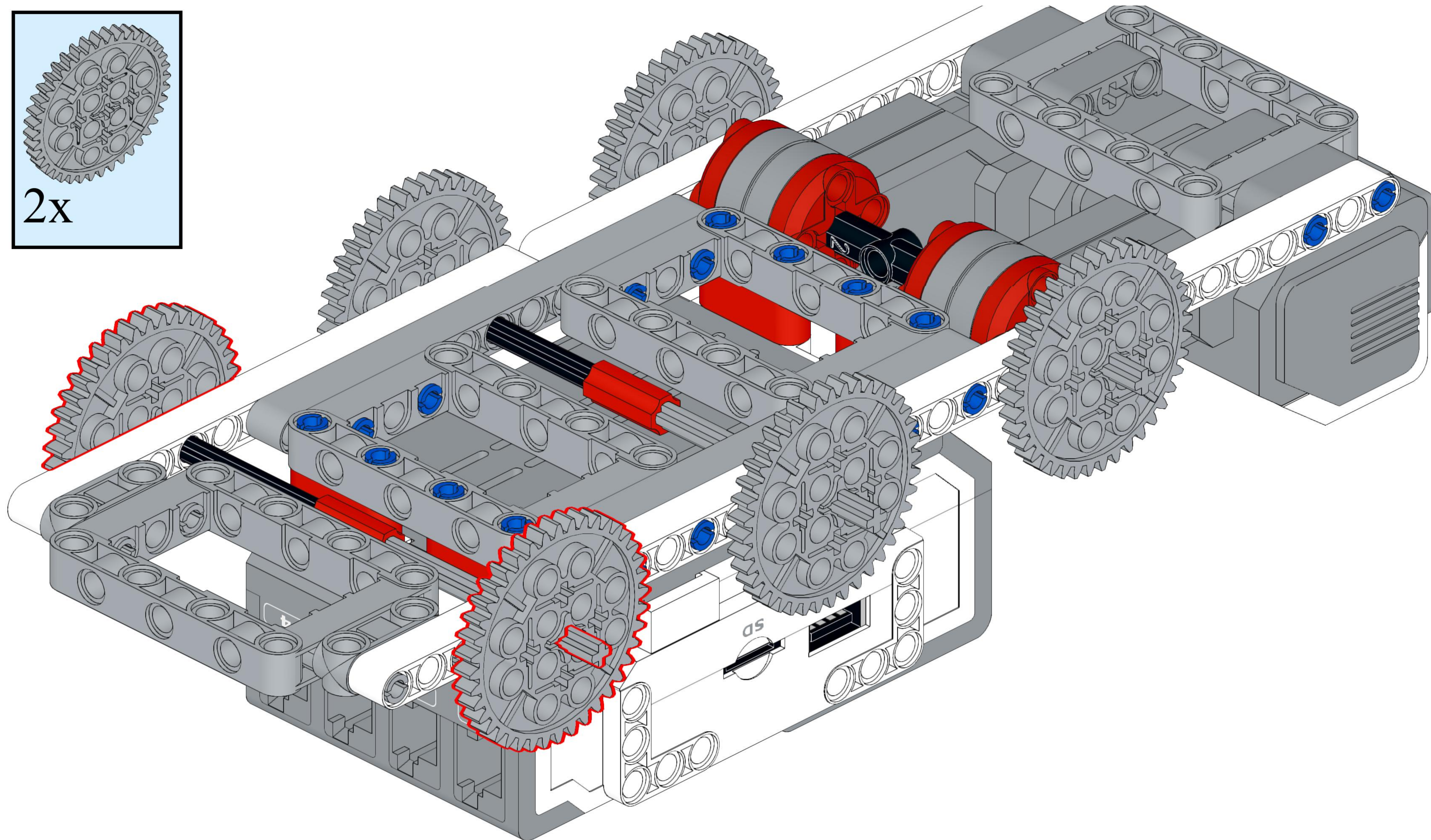
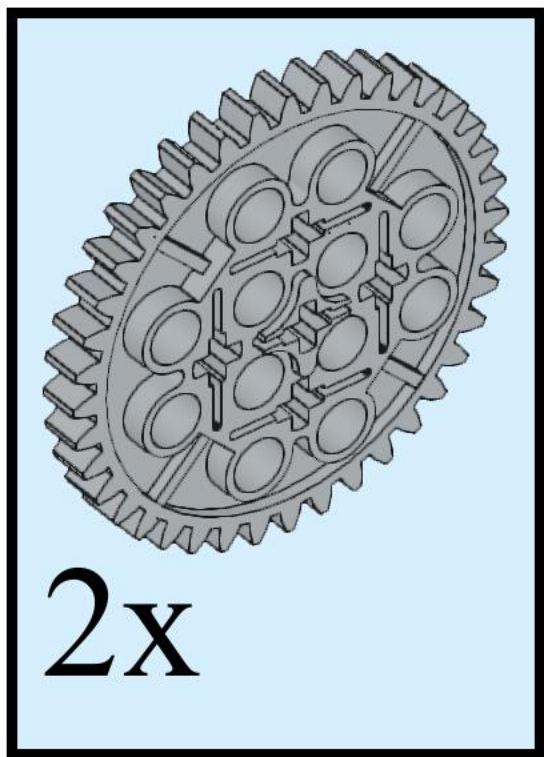
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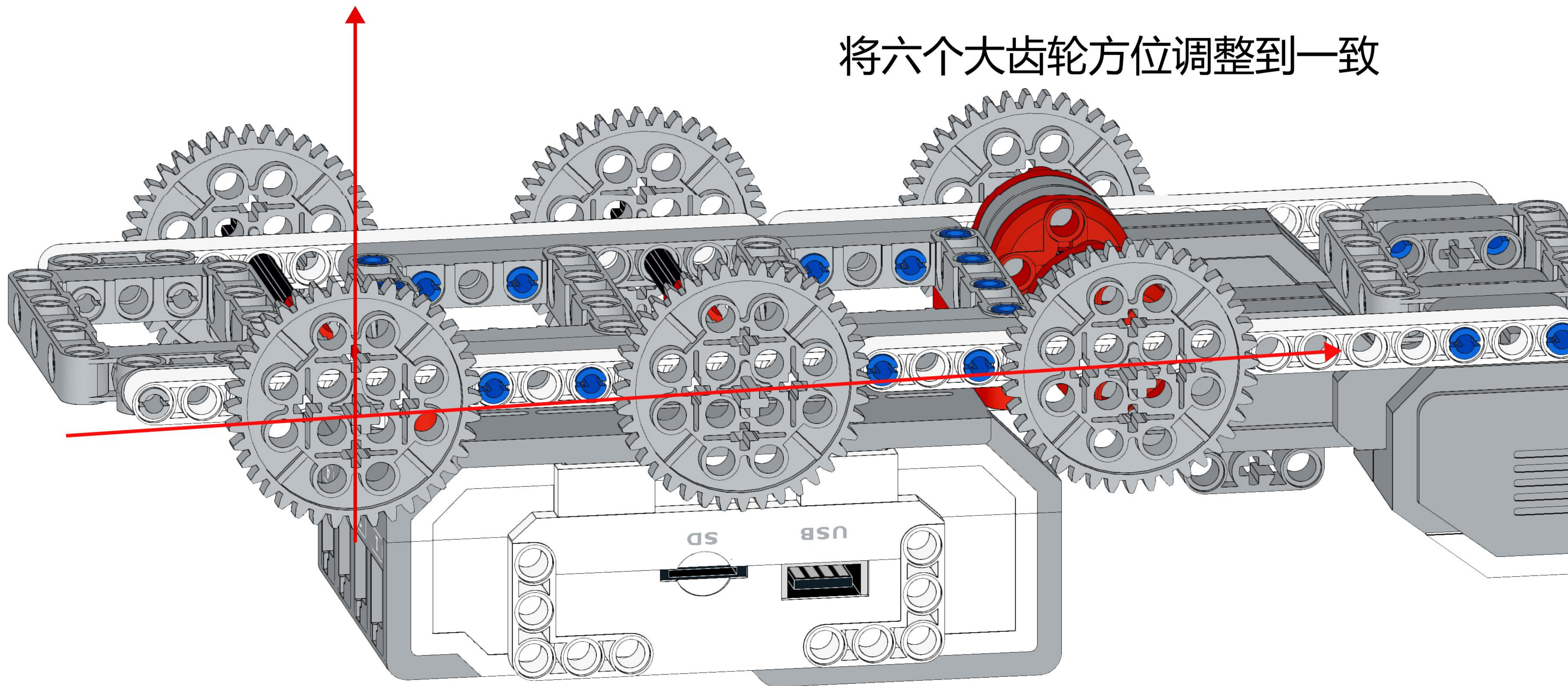


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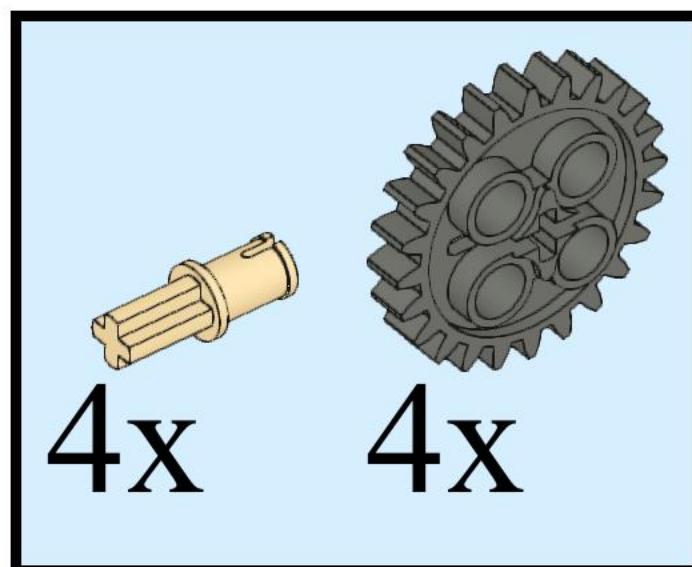


Adjust the six large gears to the
same position

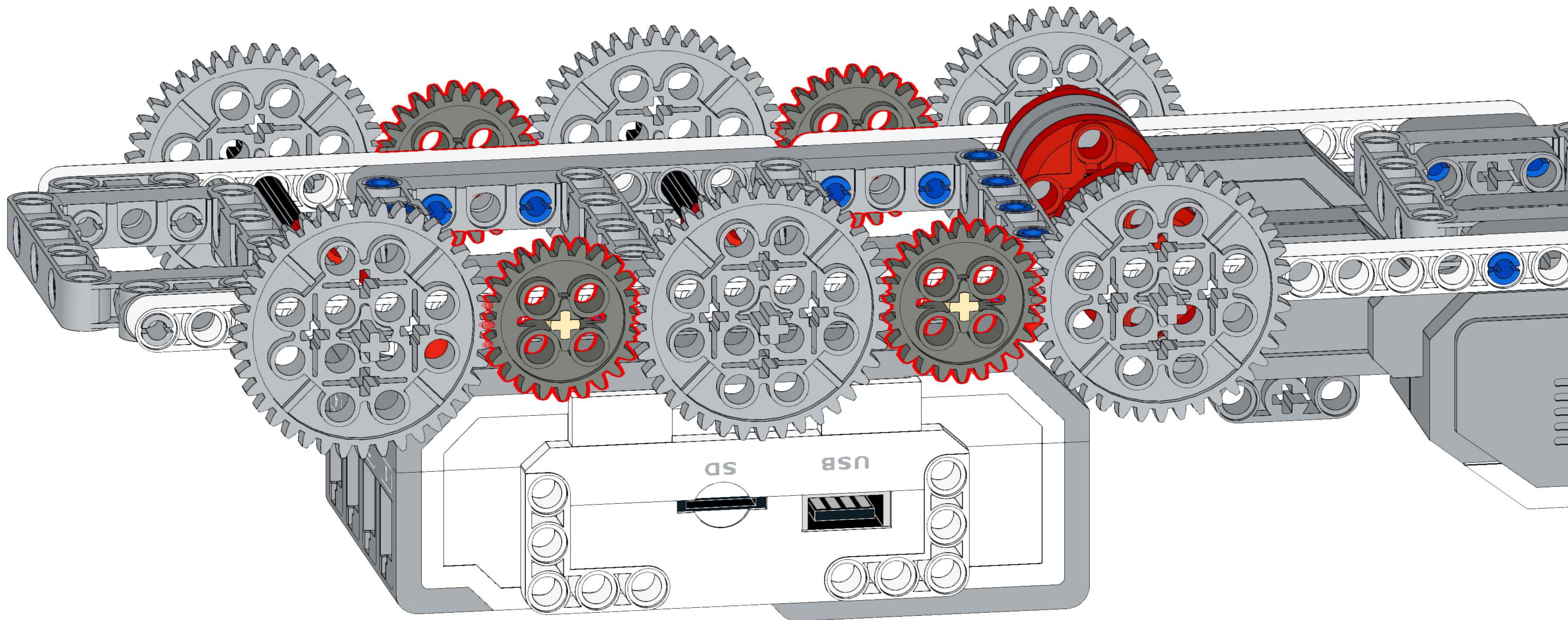
将六个大齿轮方位调整到一致



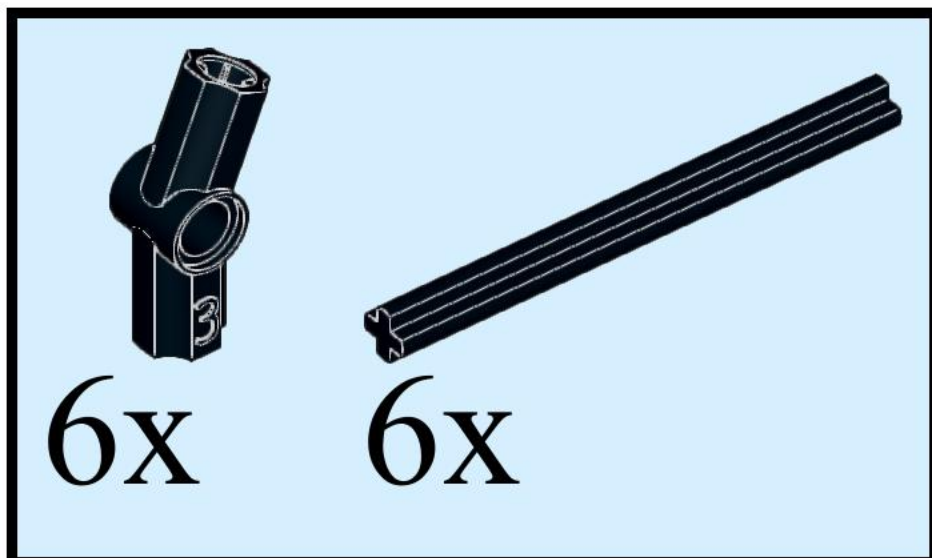
23



The position of the small gear is random,
ensuring that the positions of the six large
gears are adjusted to the same
小齿轮方位随意，确保六个大齿轮方位调
整到一致

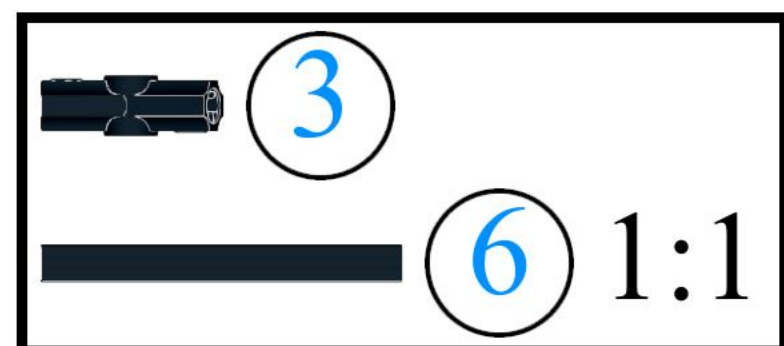
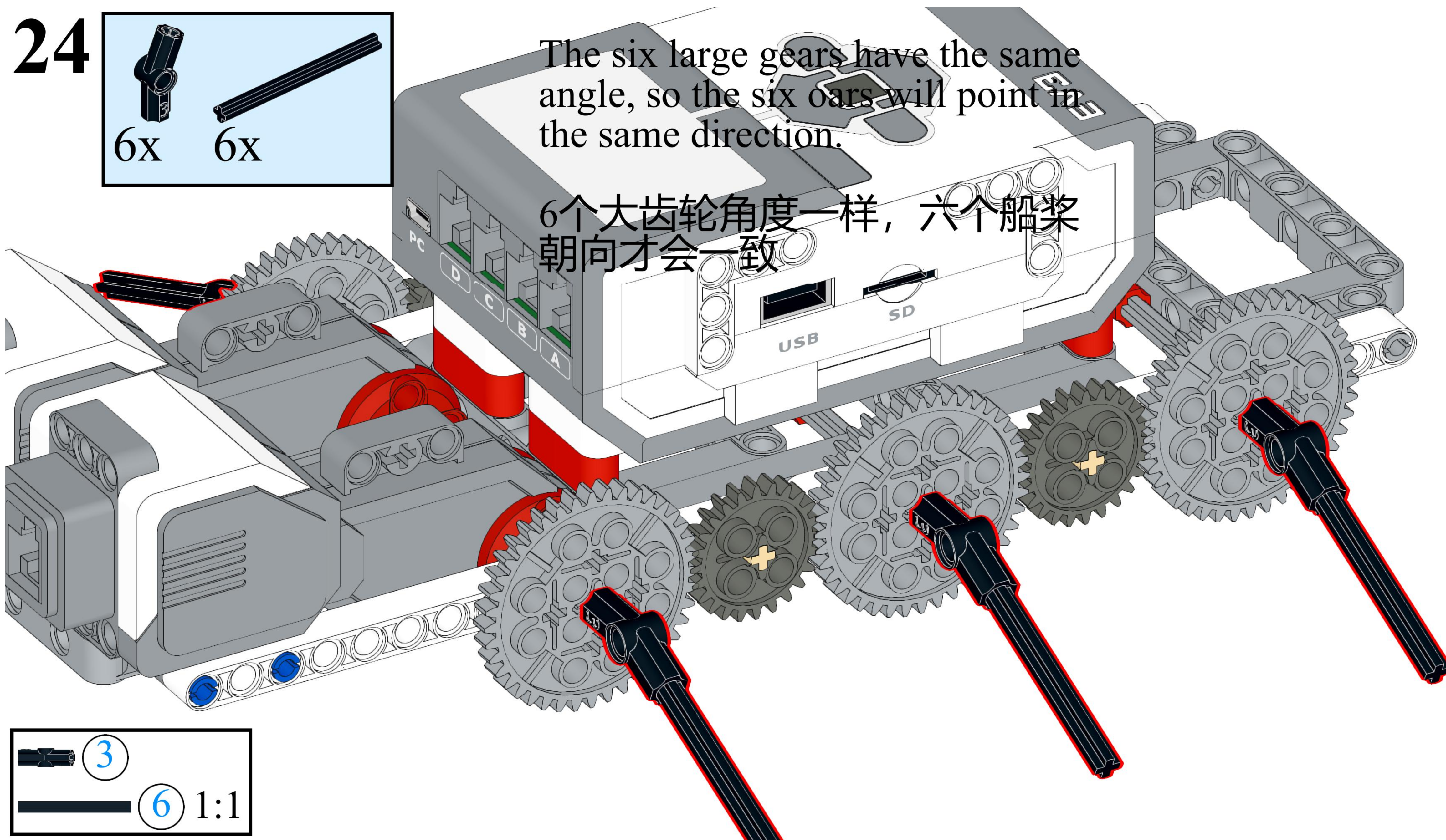


24

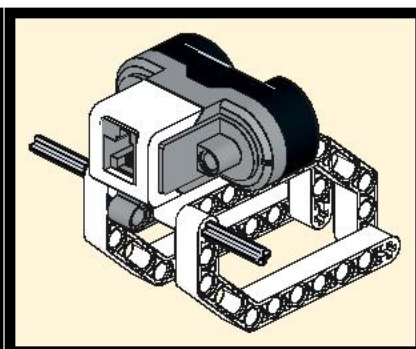
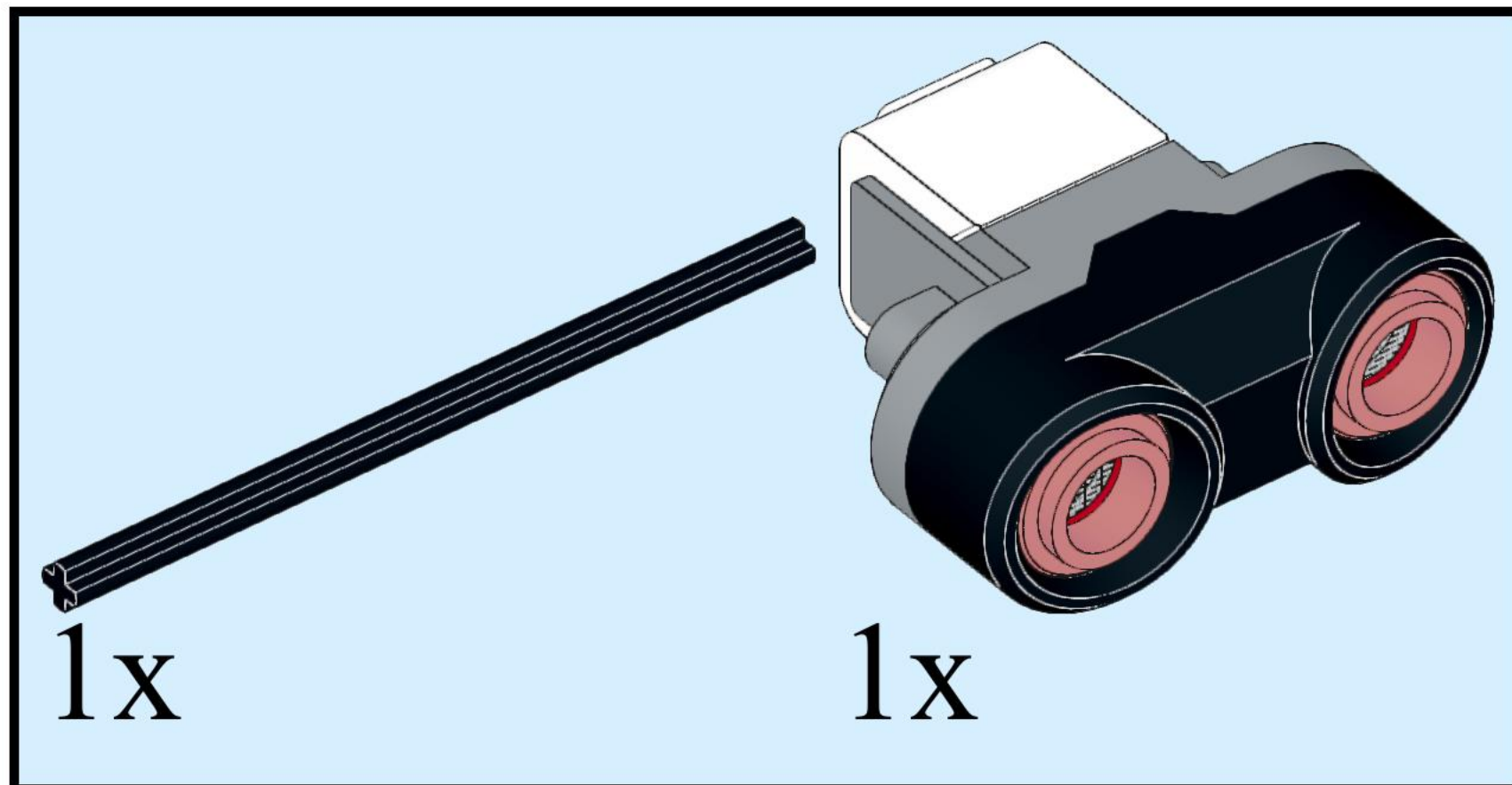


The six large gears have the same angle, so the six oars will point in the same direction.

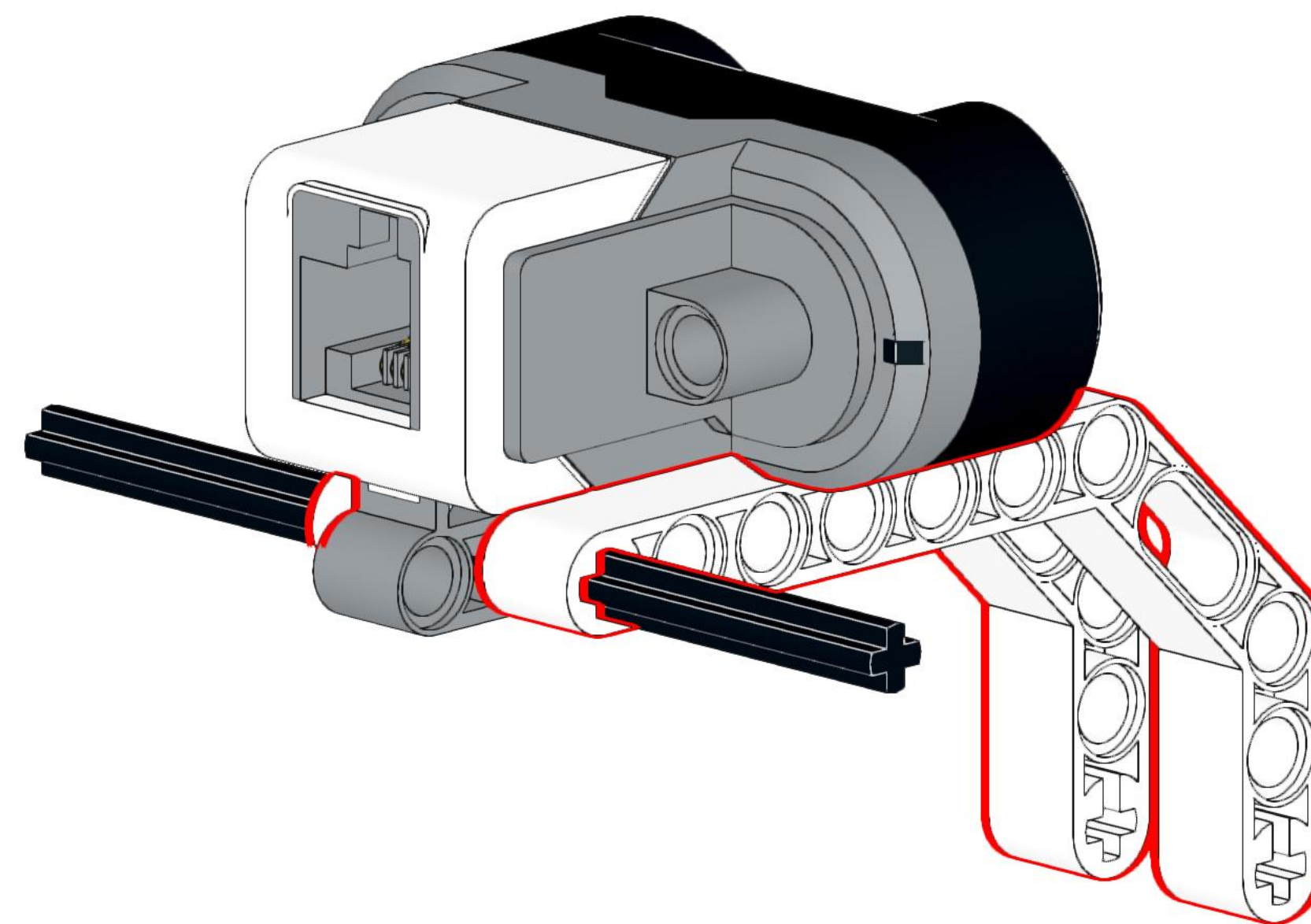
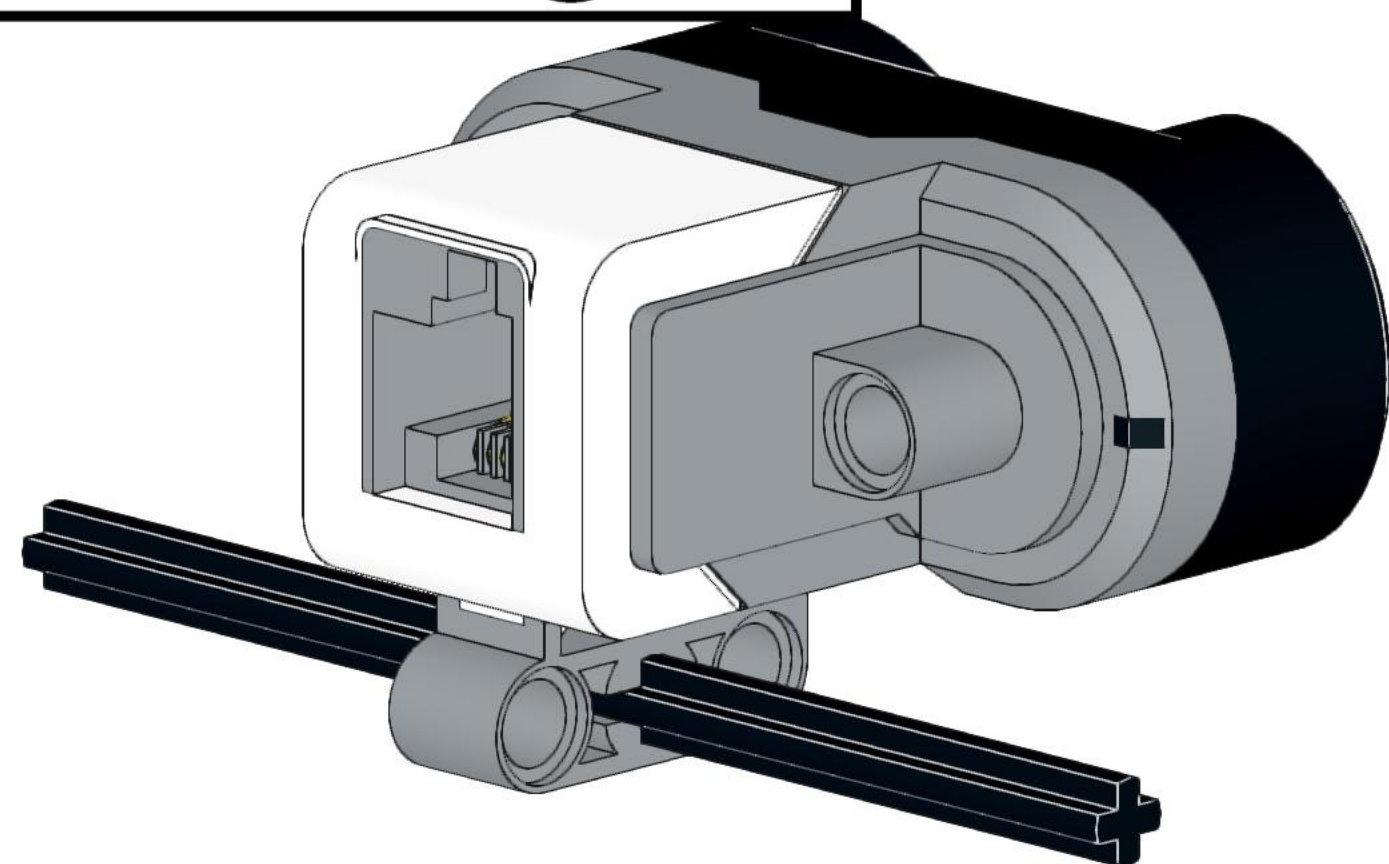
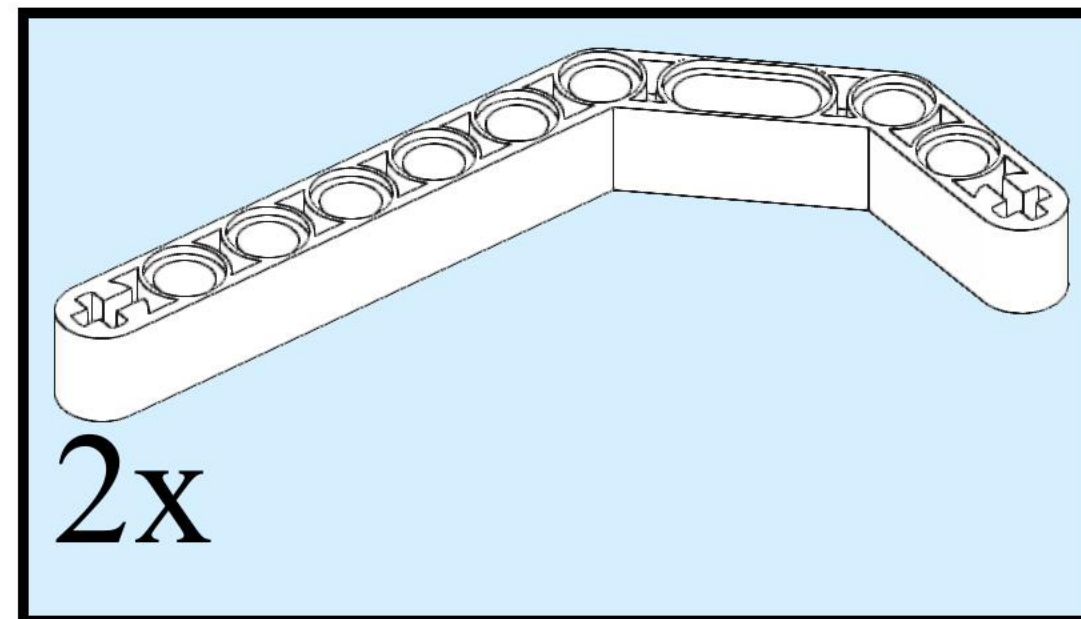
6个大齿轮角度一样，六个船桨朝向才会一致



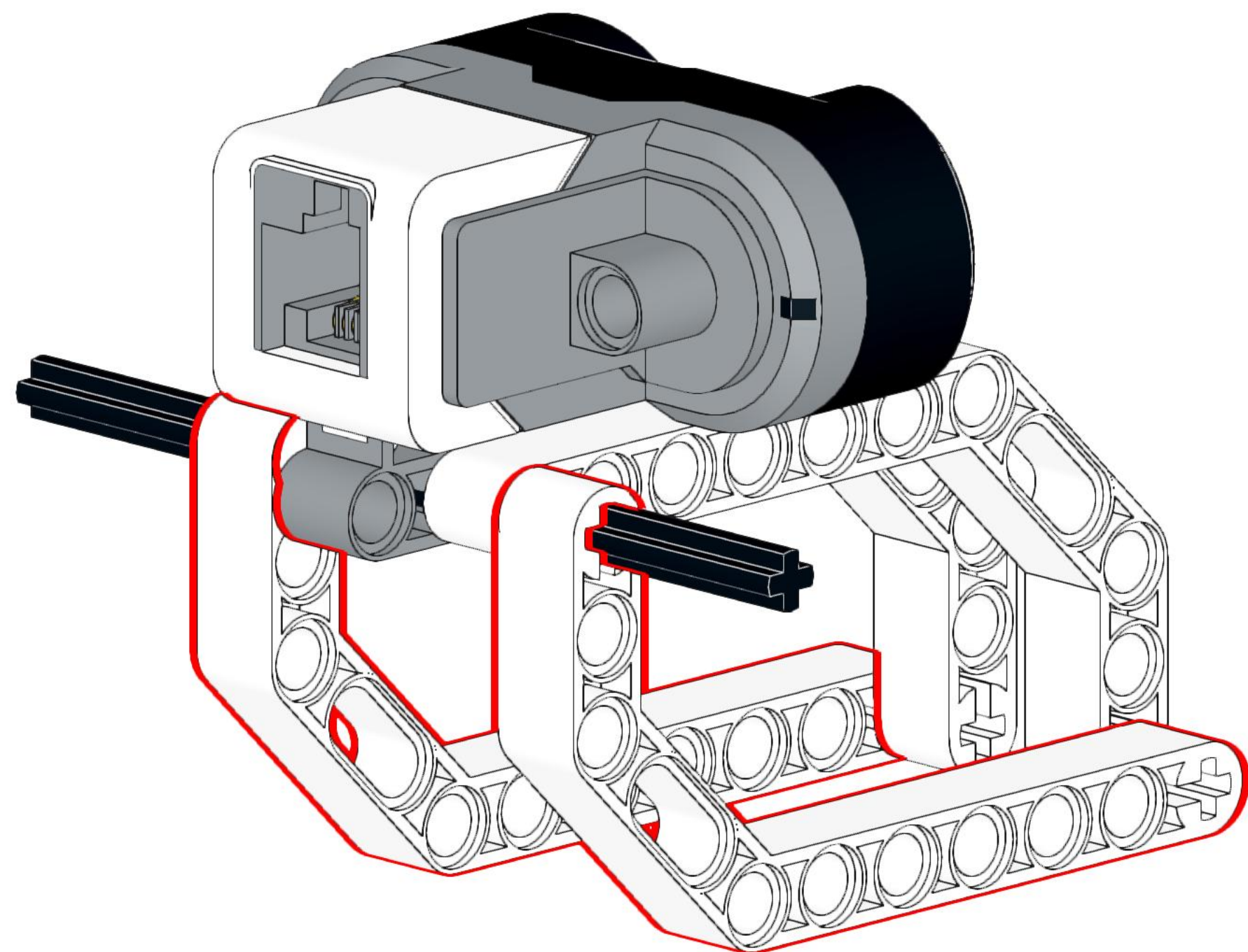
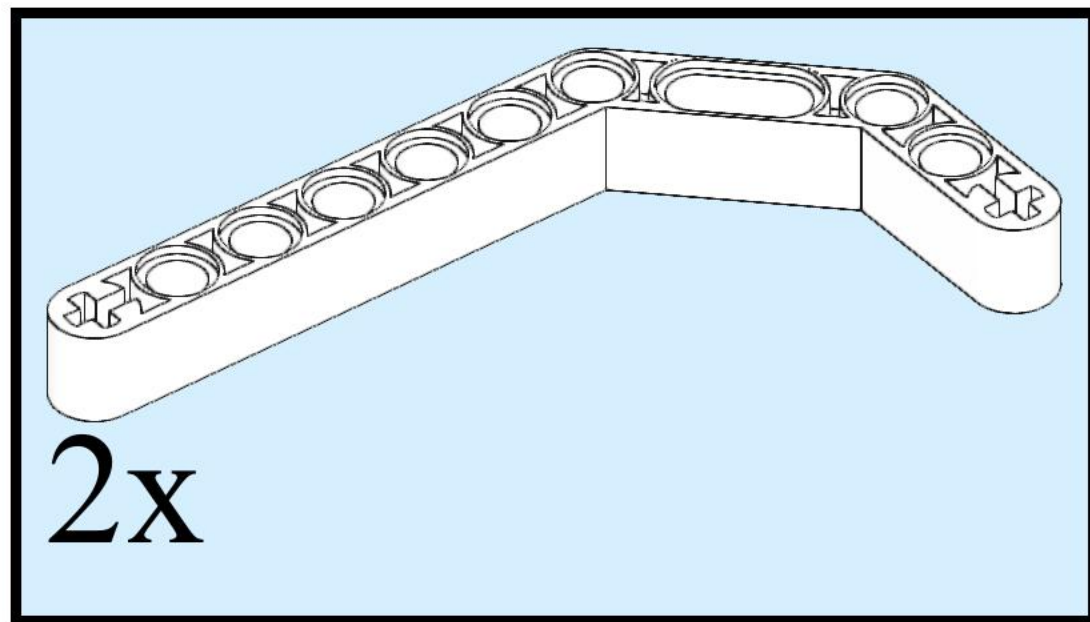
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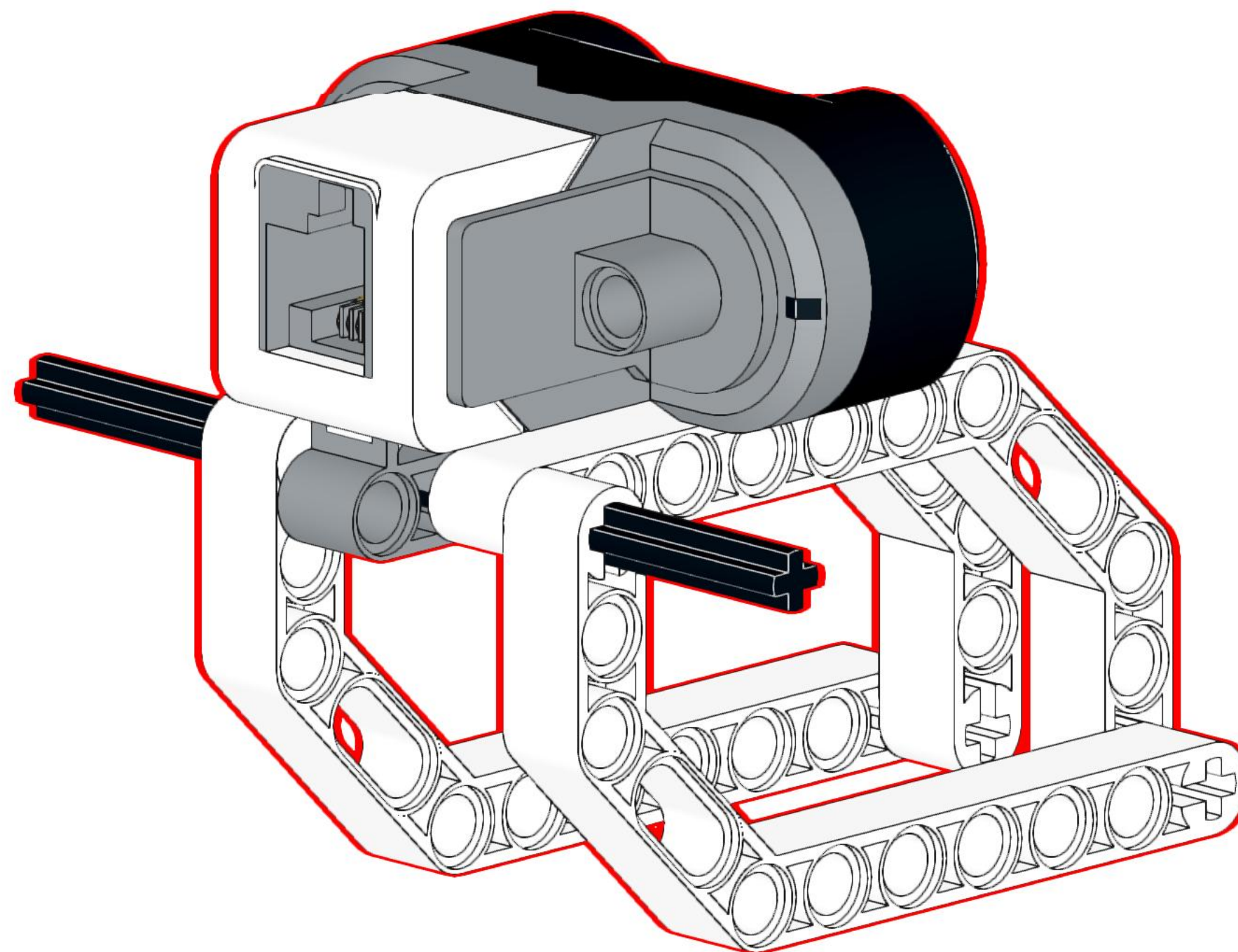
26



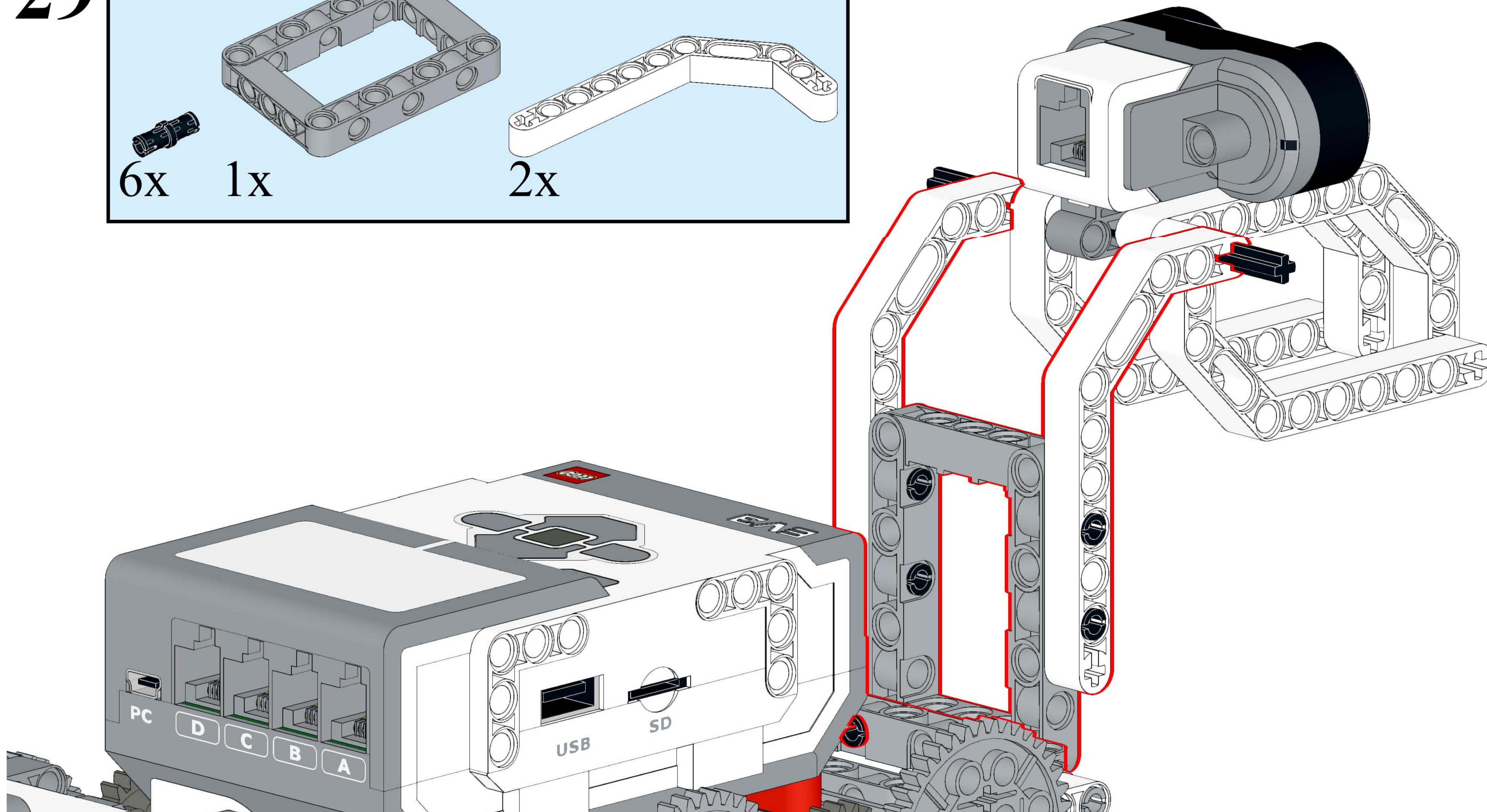
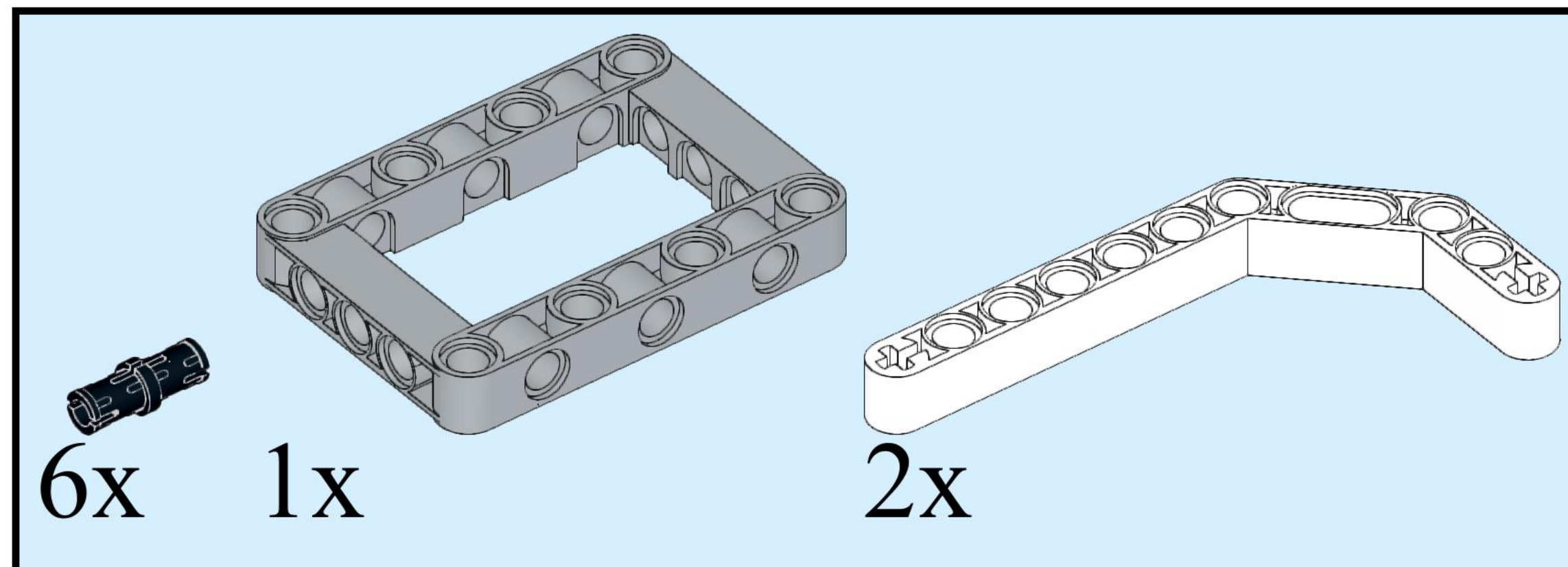
27



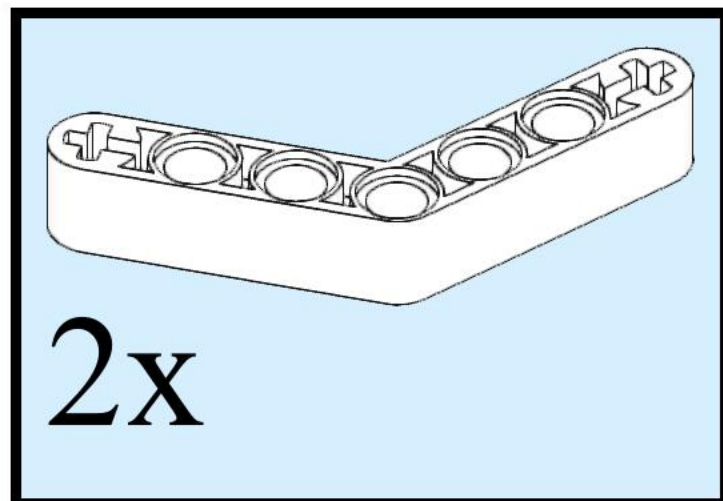
28



29

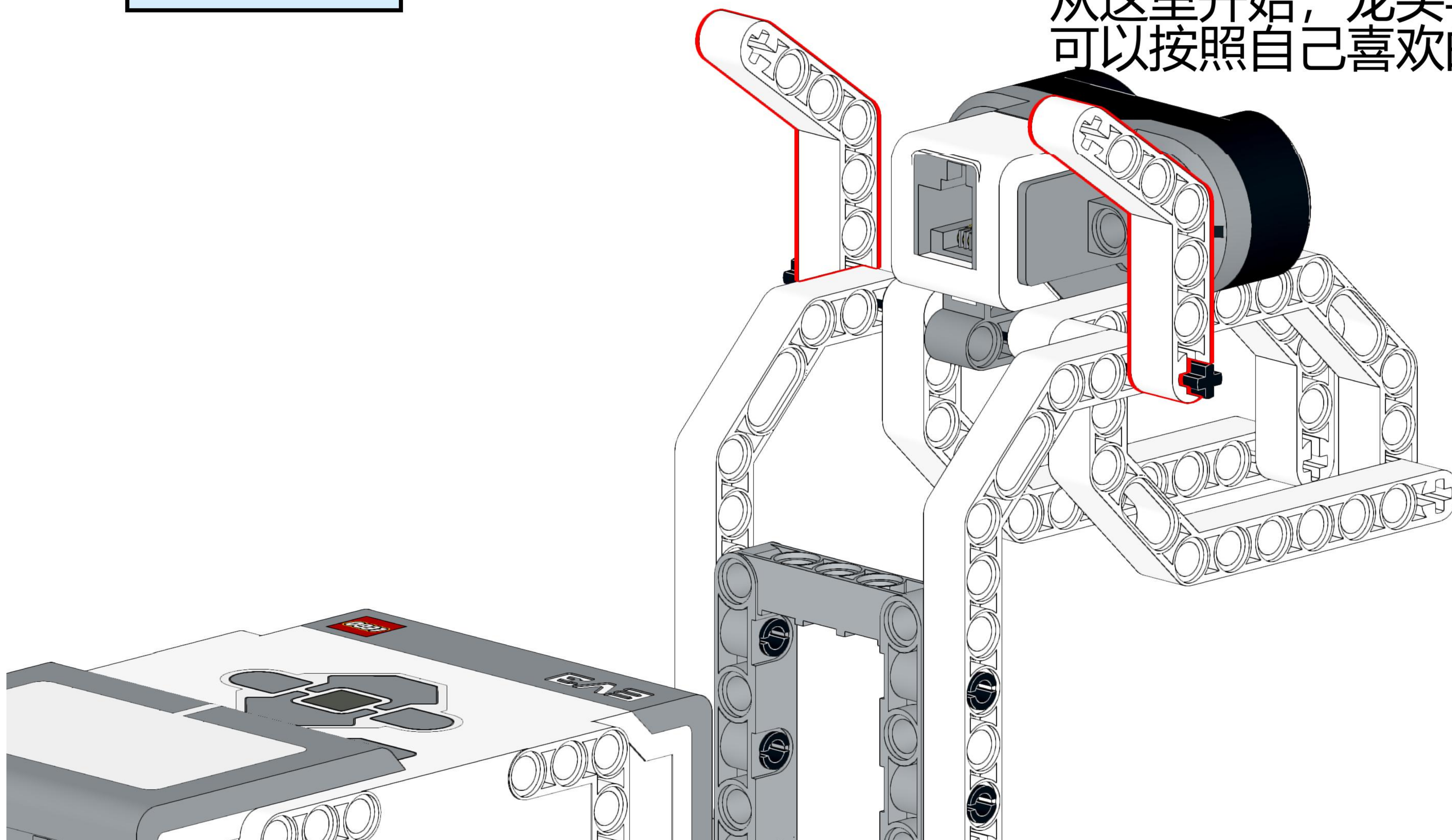


30

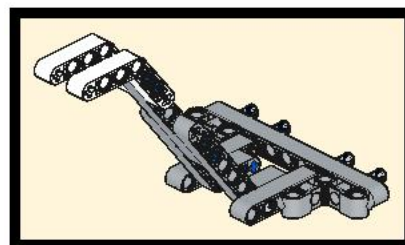
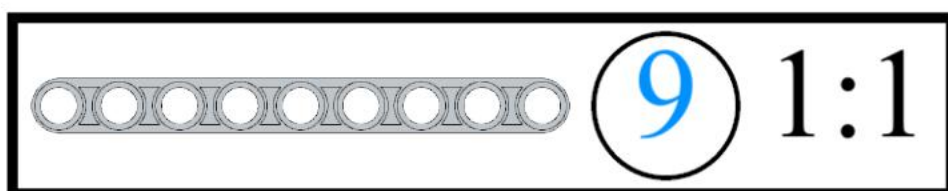
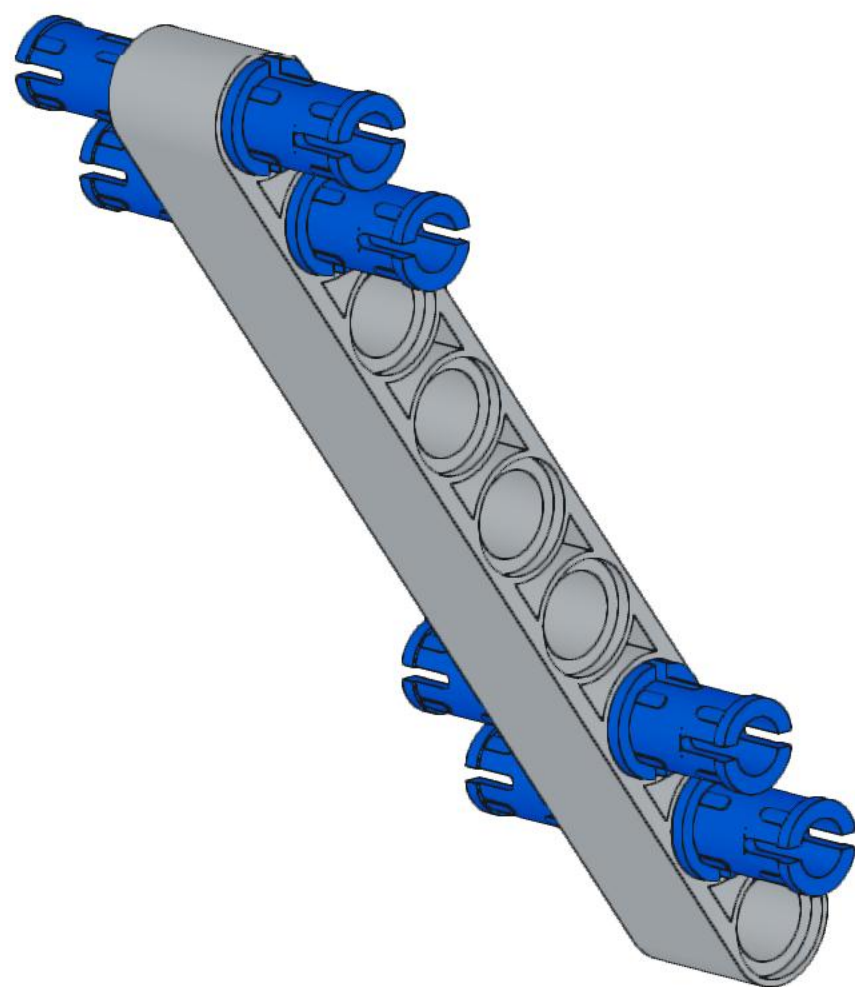
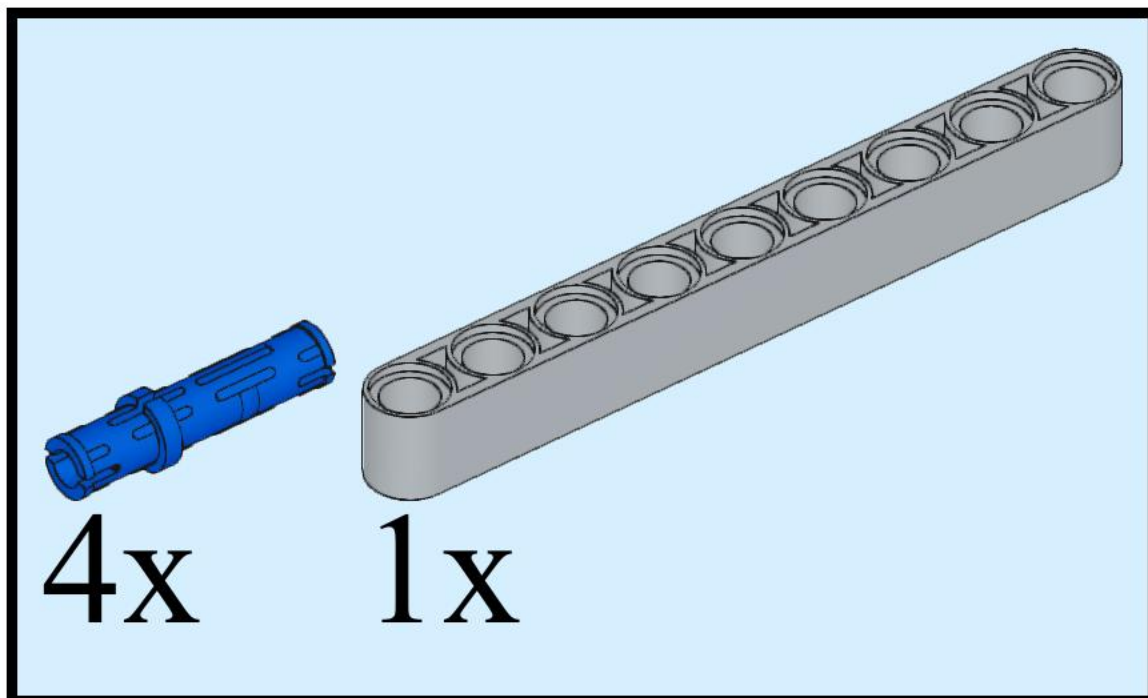


From here on, you can build the dragon head and dragon tail as you like.

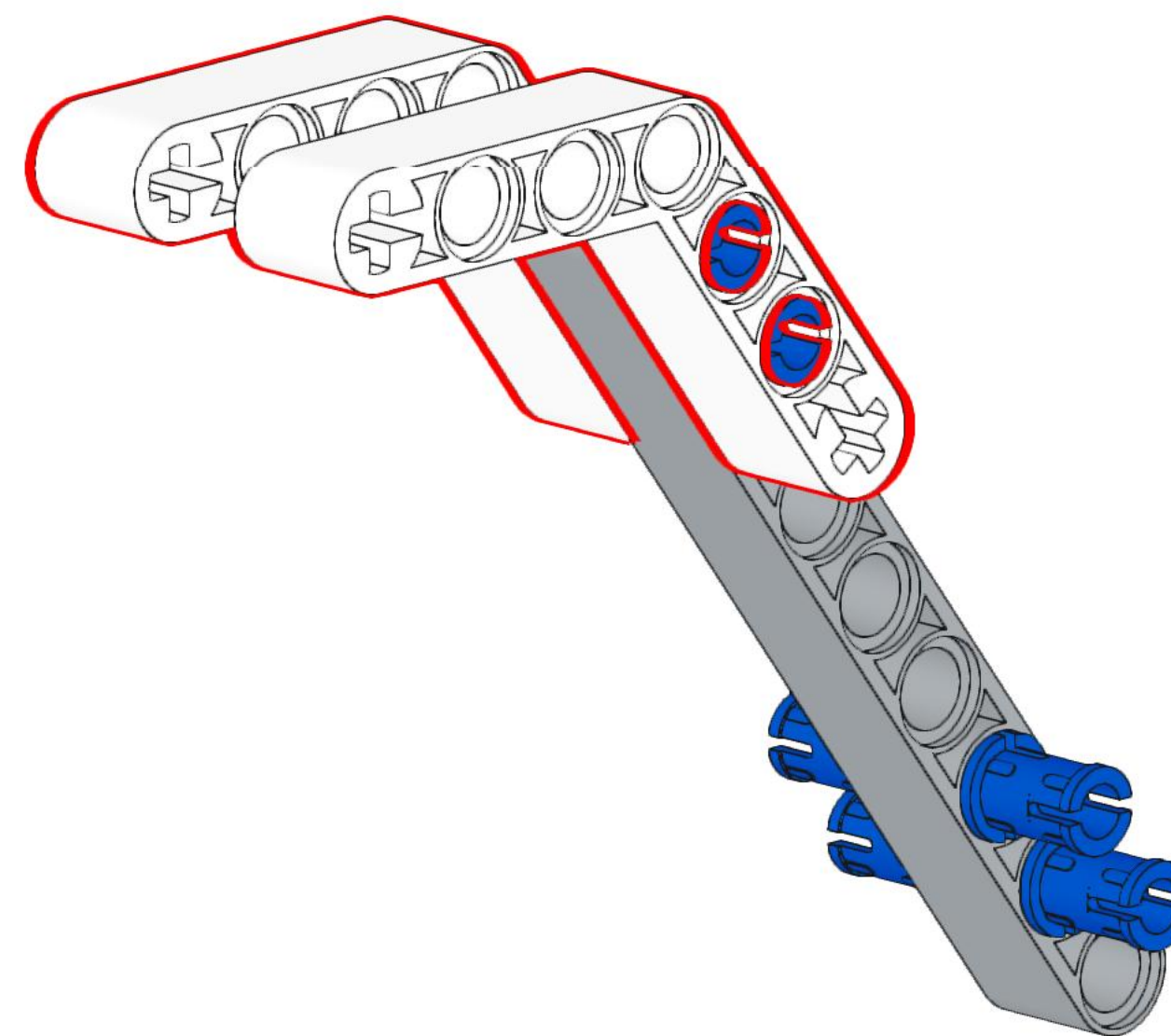
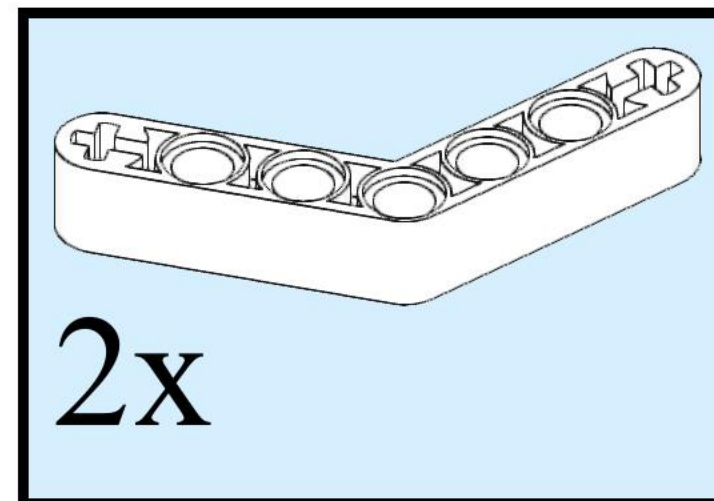
从这里开始，龙头与龙尾你都可以按照自己喜欢的样子搭建



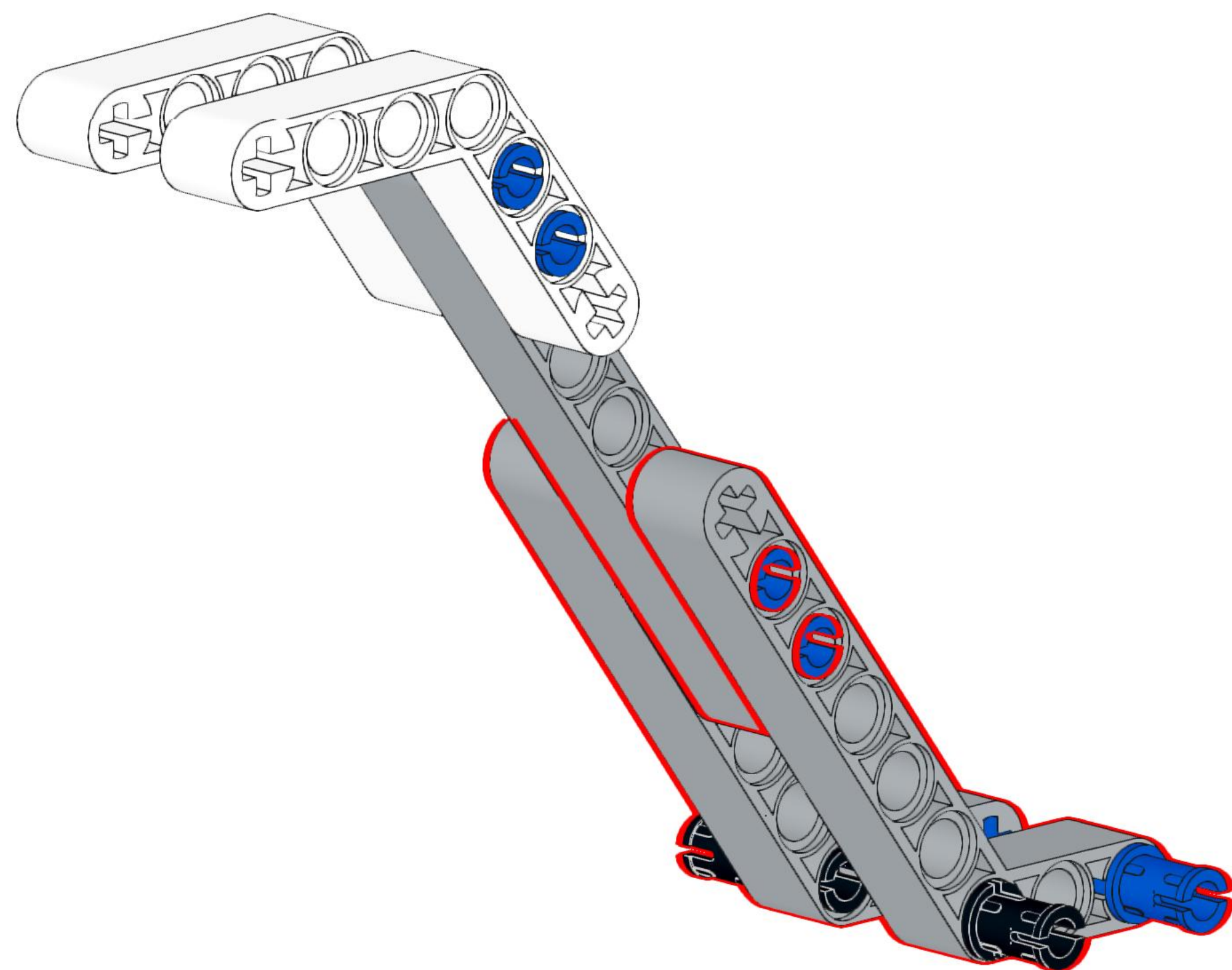
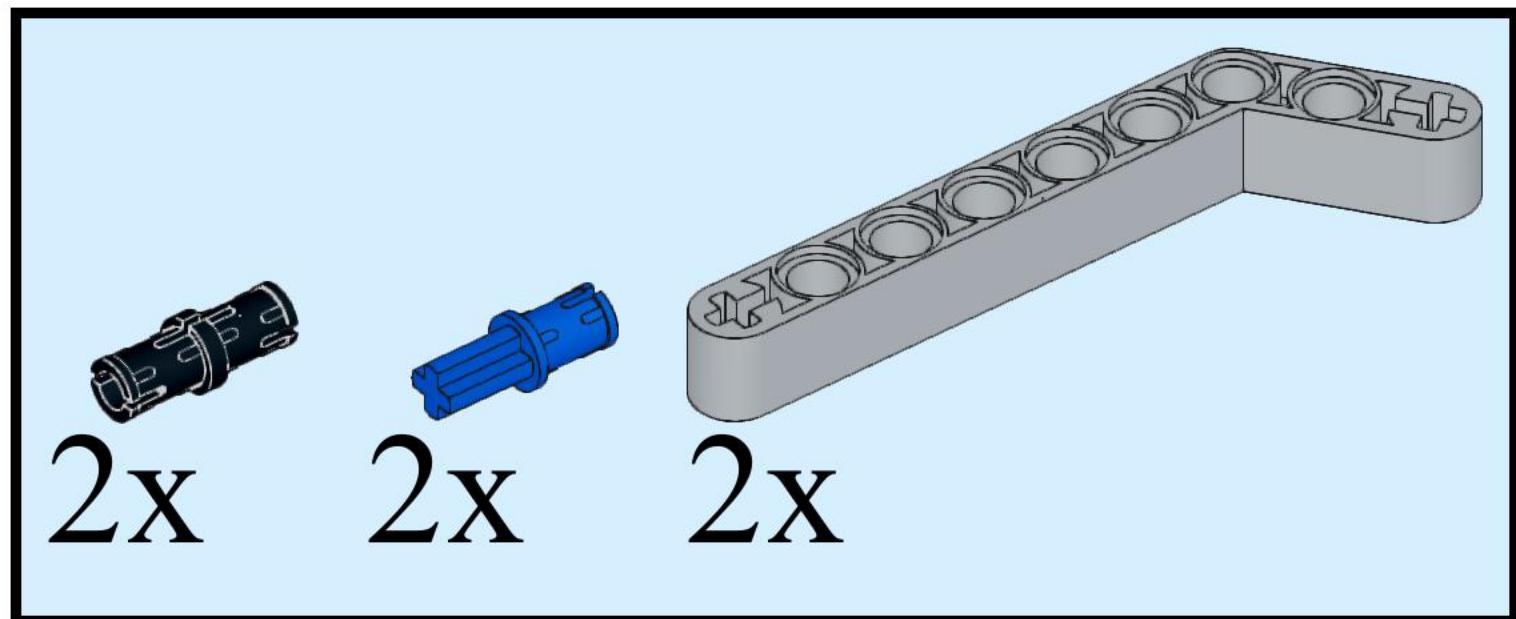
31



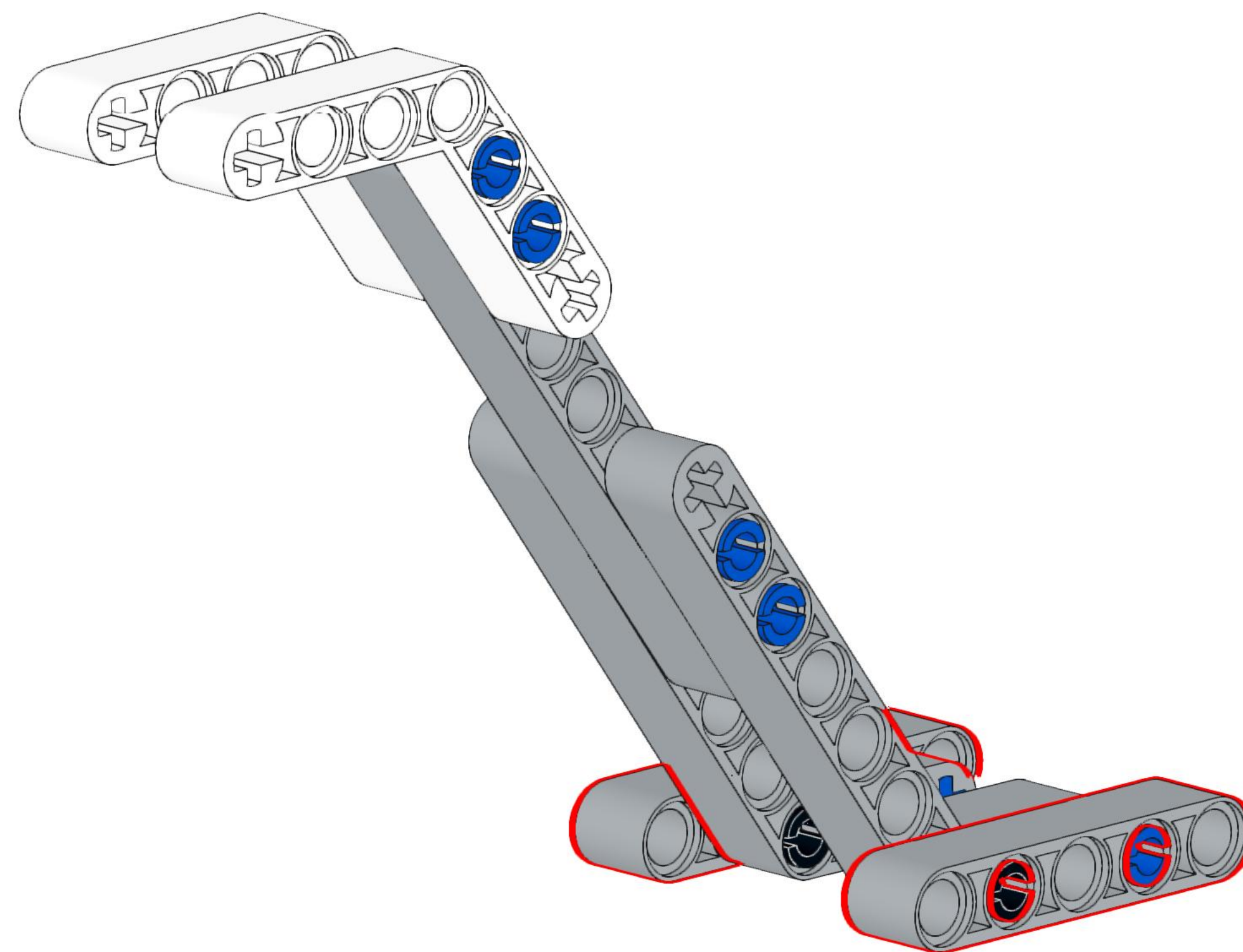
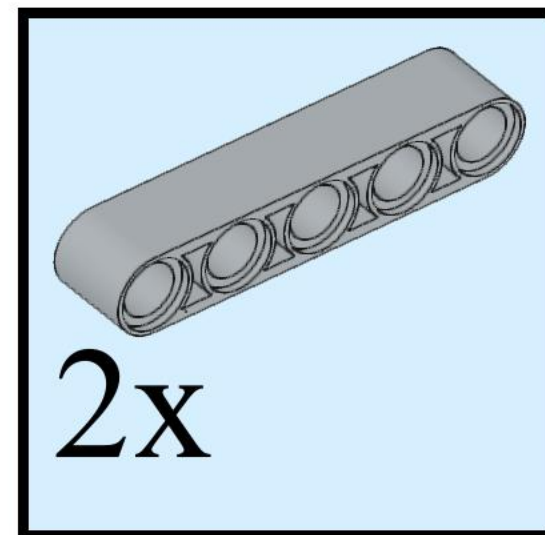
32



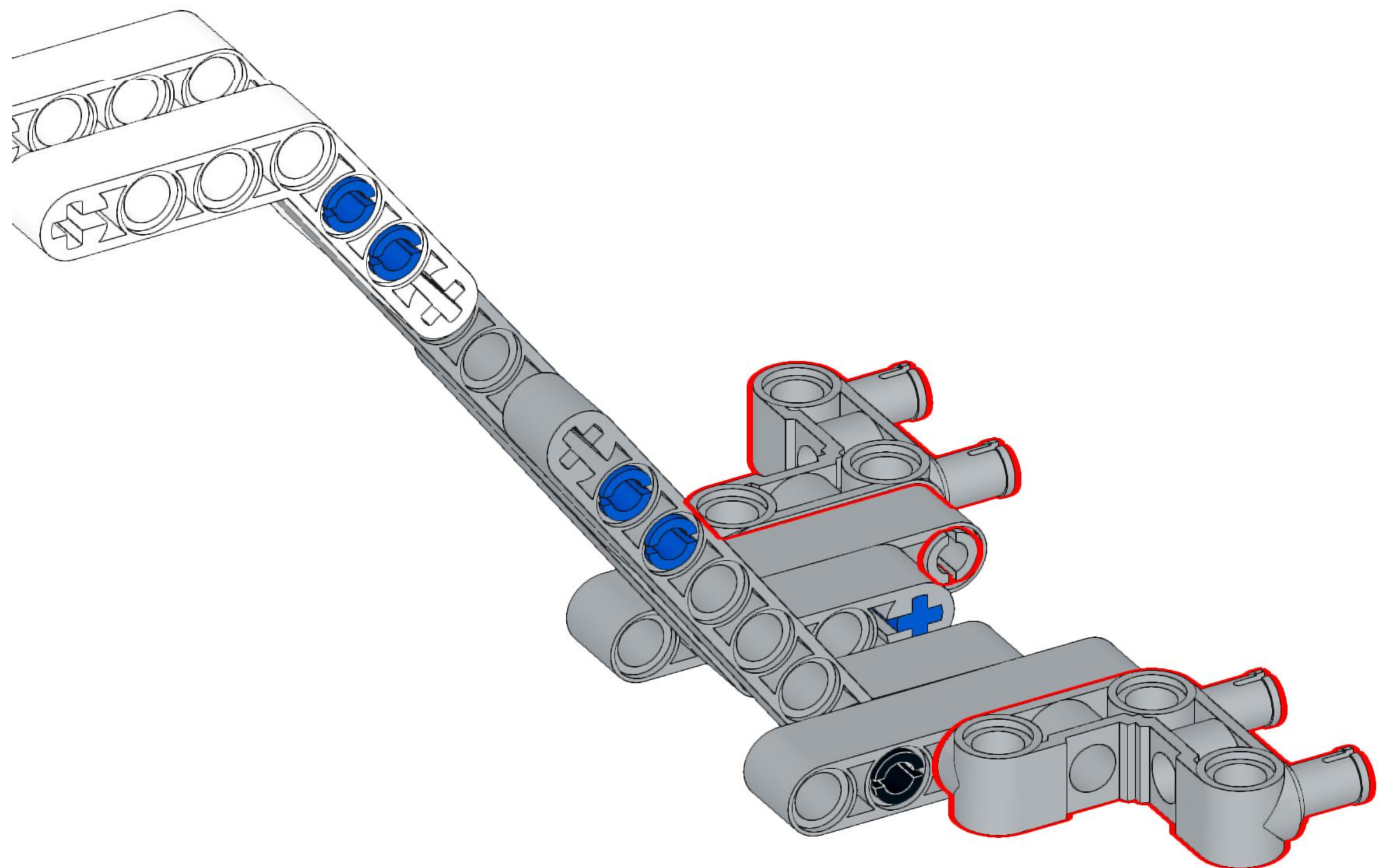
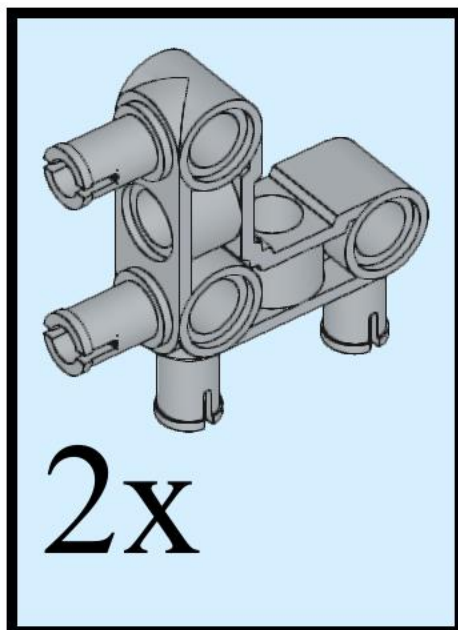
33



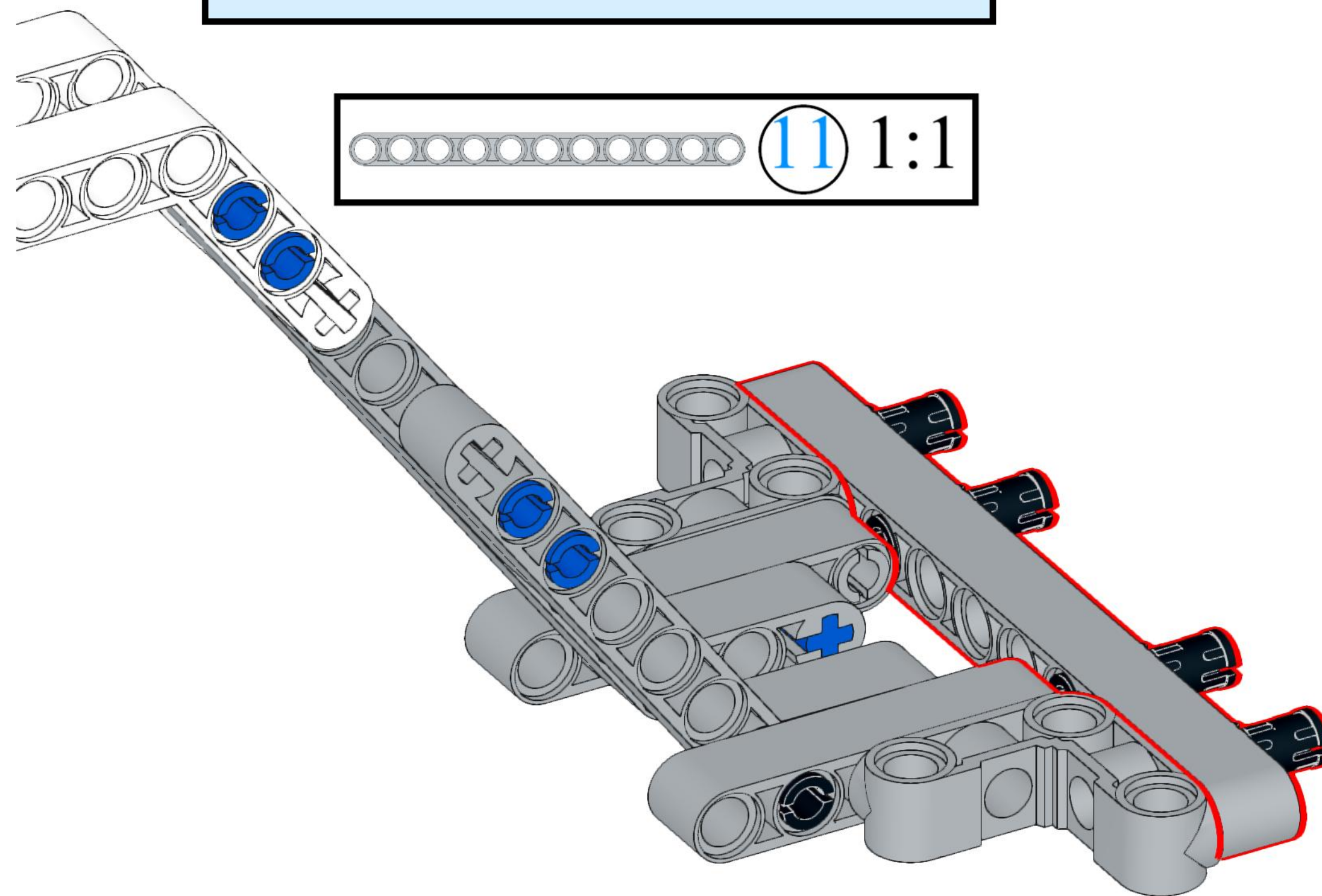
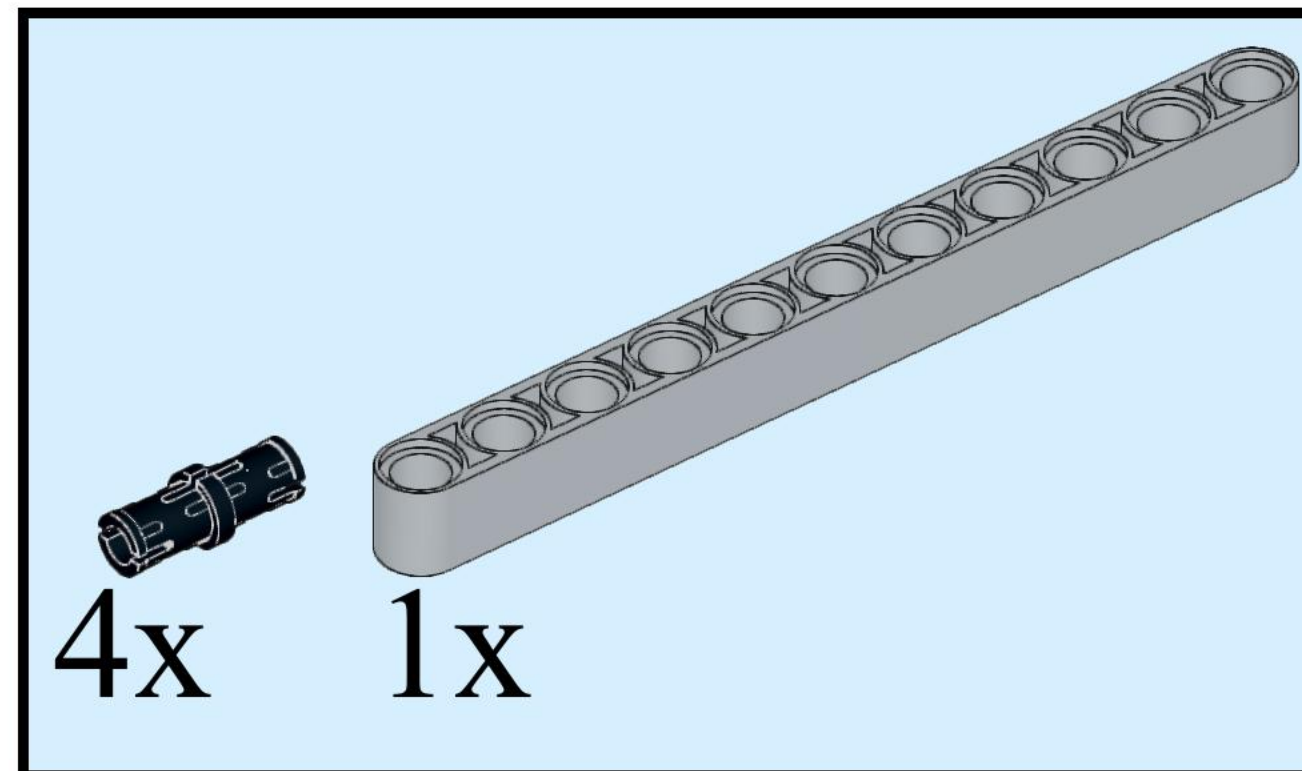
34



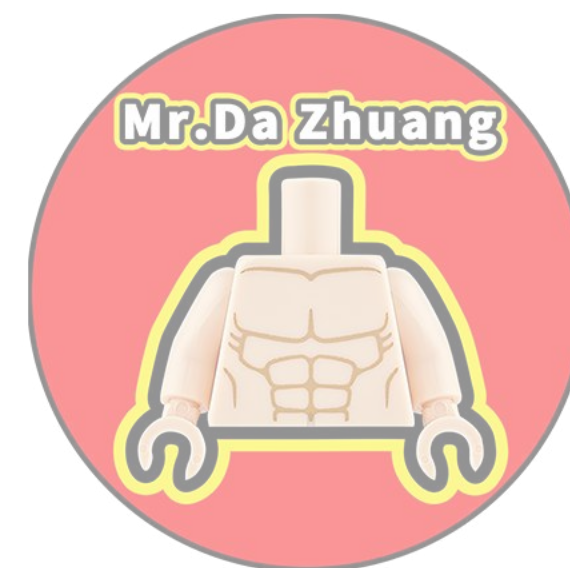
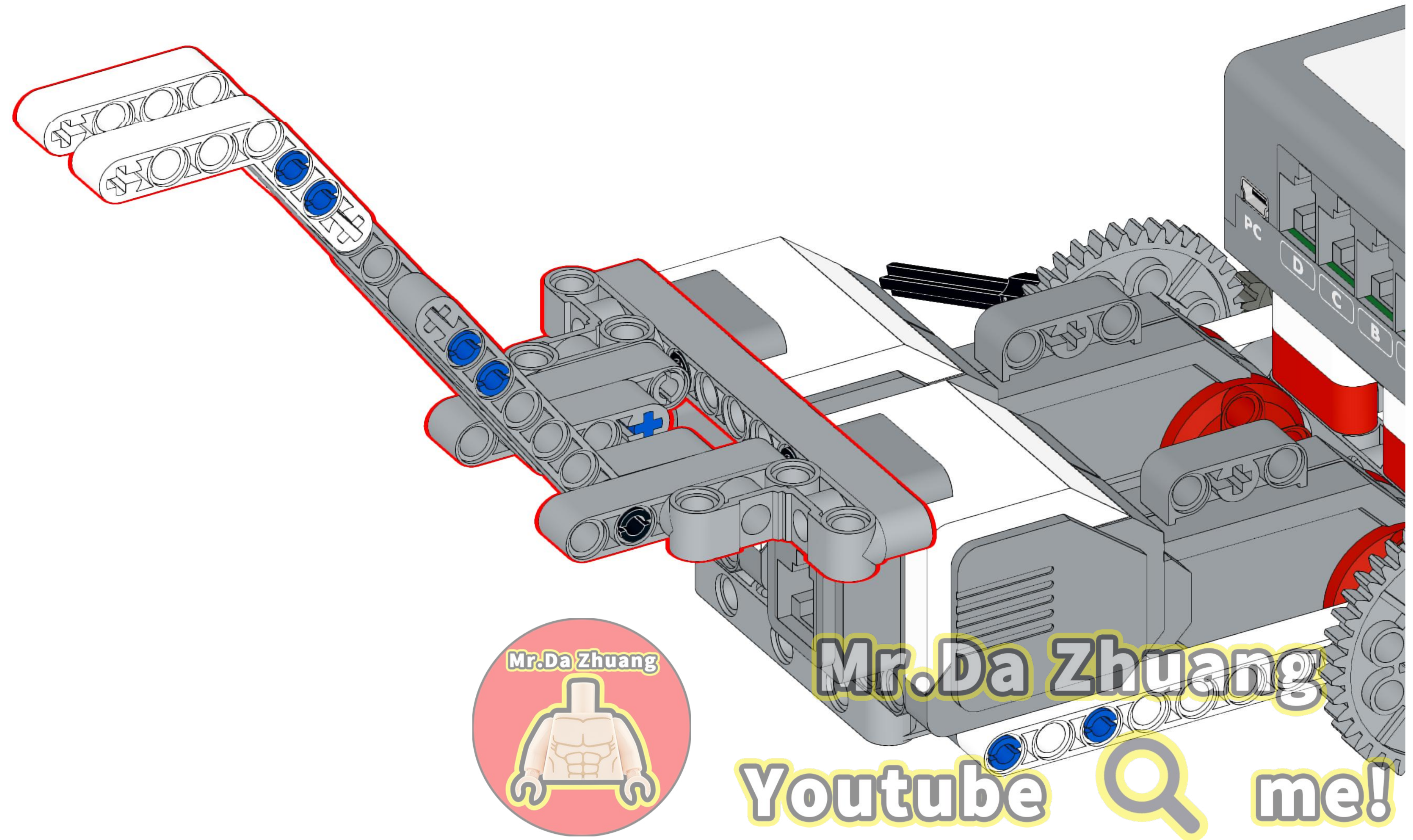
35



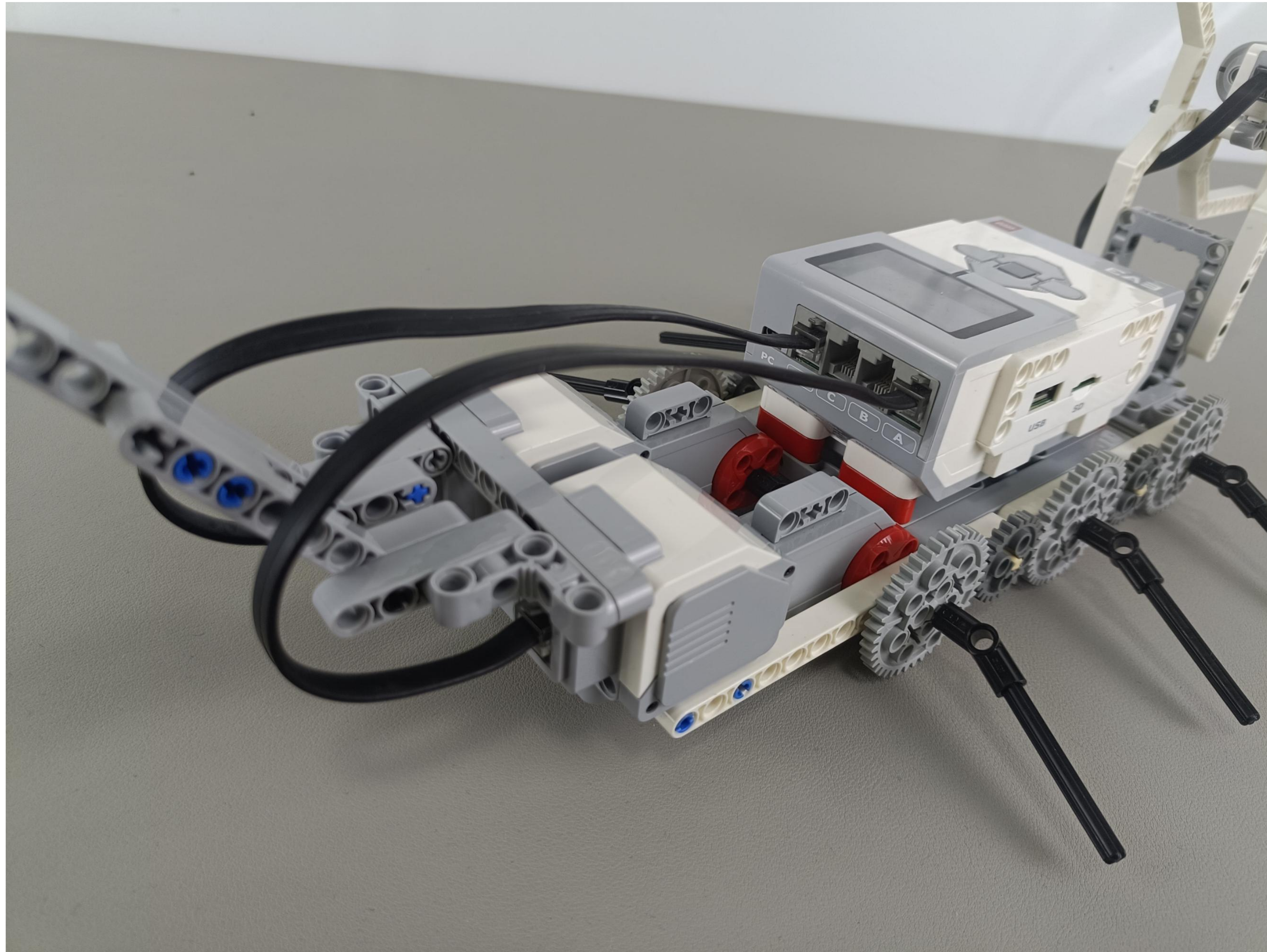
36



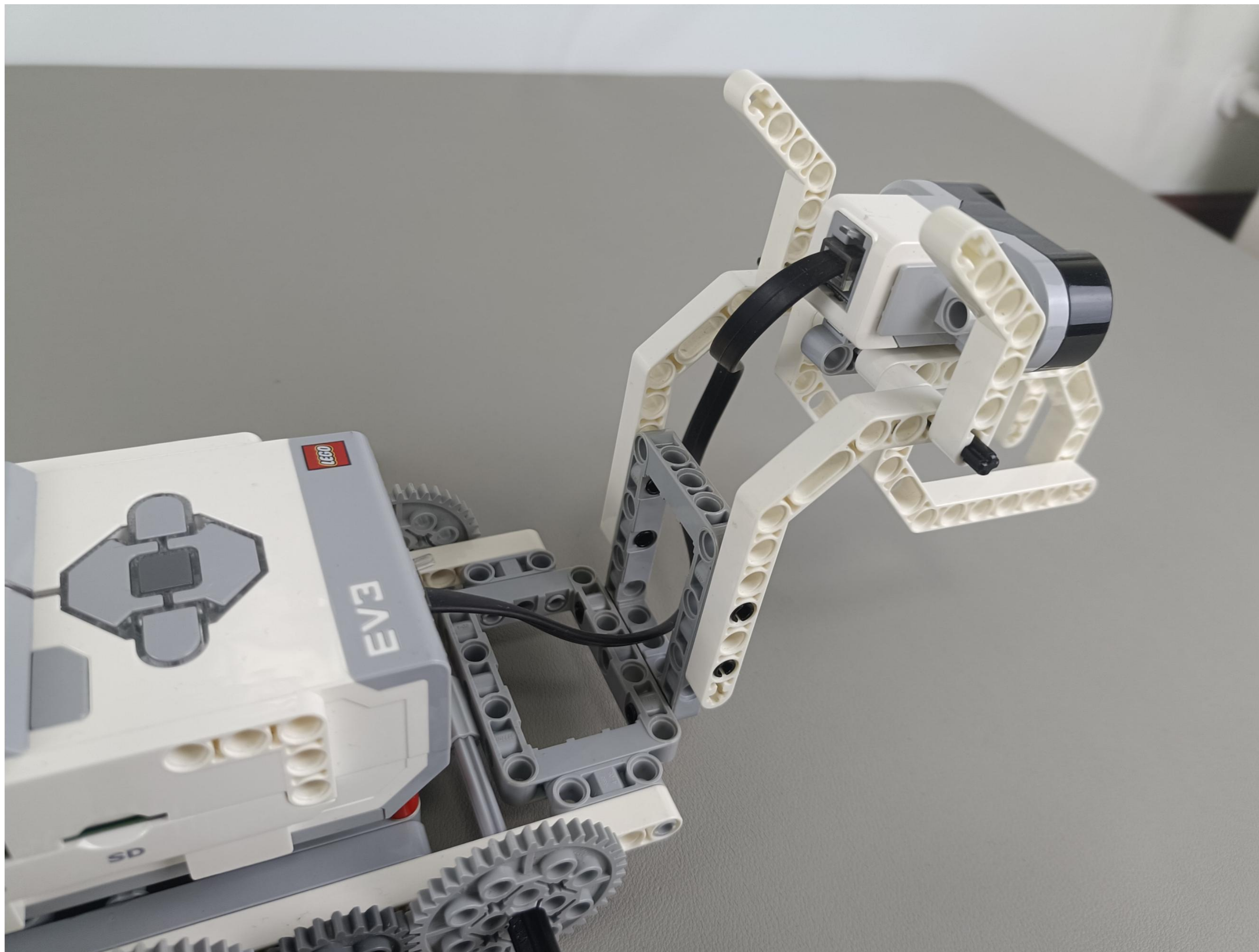
37



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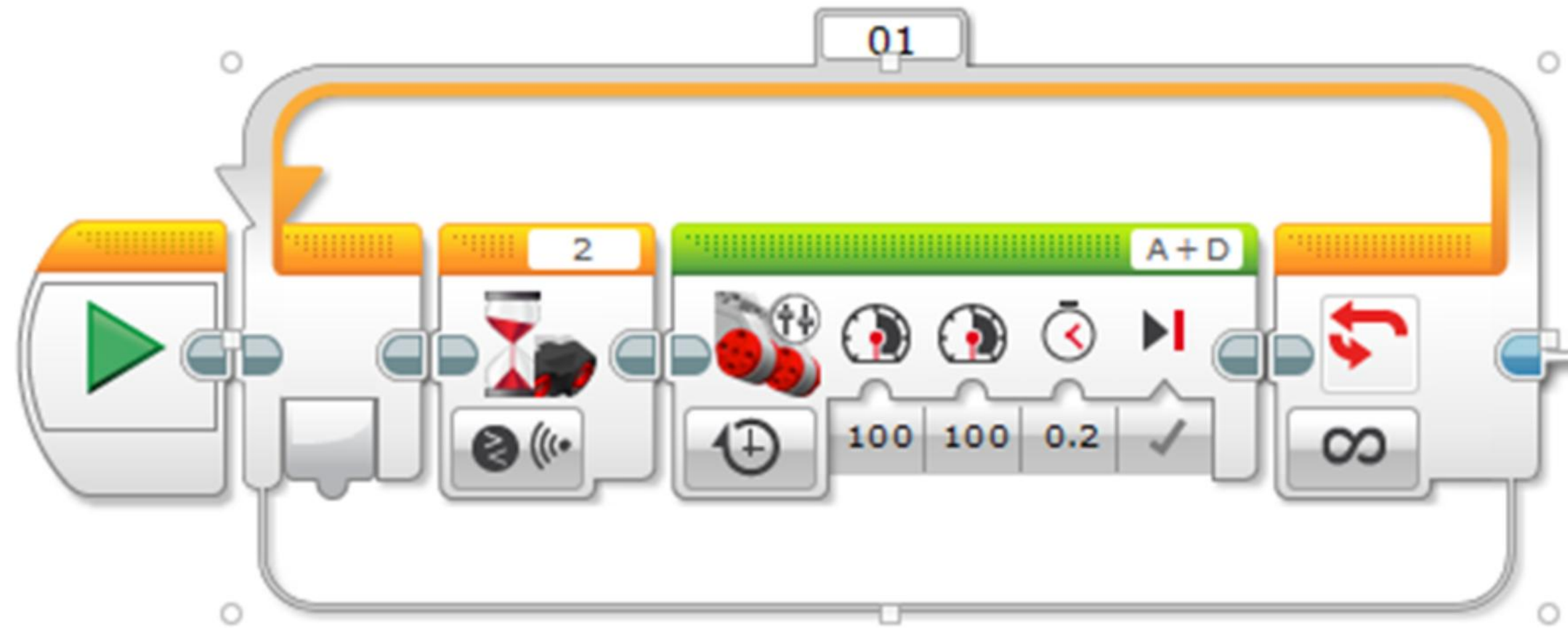
Connect the large motor to the EV3 host. The ports in the program I provided are (large motor: port A, port D)
连接大型电机和EV3主机，我提供的程序中端口为（大型电机：A端口、D端口）



Connect the ultrasonic sensor. The port in the program I provided is (ultrasonic sensor: 2 ports)
连接超声波传感器，我提供的程序中端口为（超声波传感器：2端口）



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EV3			
A 1993	B	C	D 1994
1	2 0	3	4



2 0 A 5077° D 5072°

when program starts

wait until center button is pressed

set movement motors to A and D

set movement motors to hold position at stop

move for 10 seconds at 50 50 % speed



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