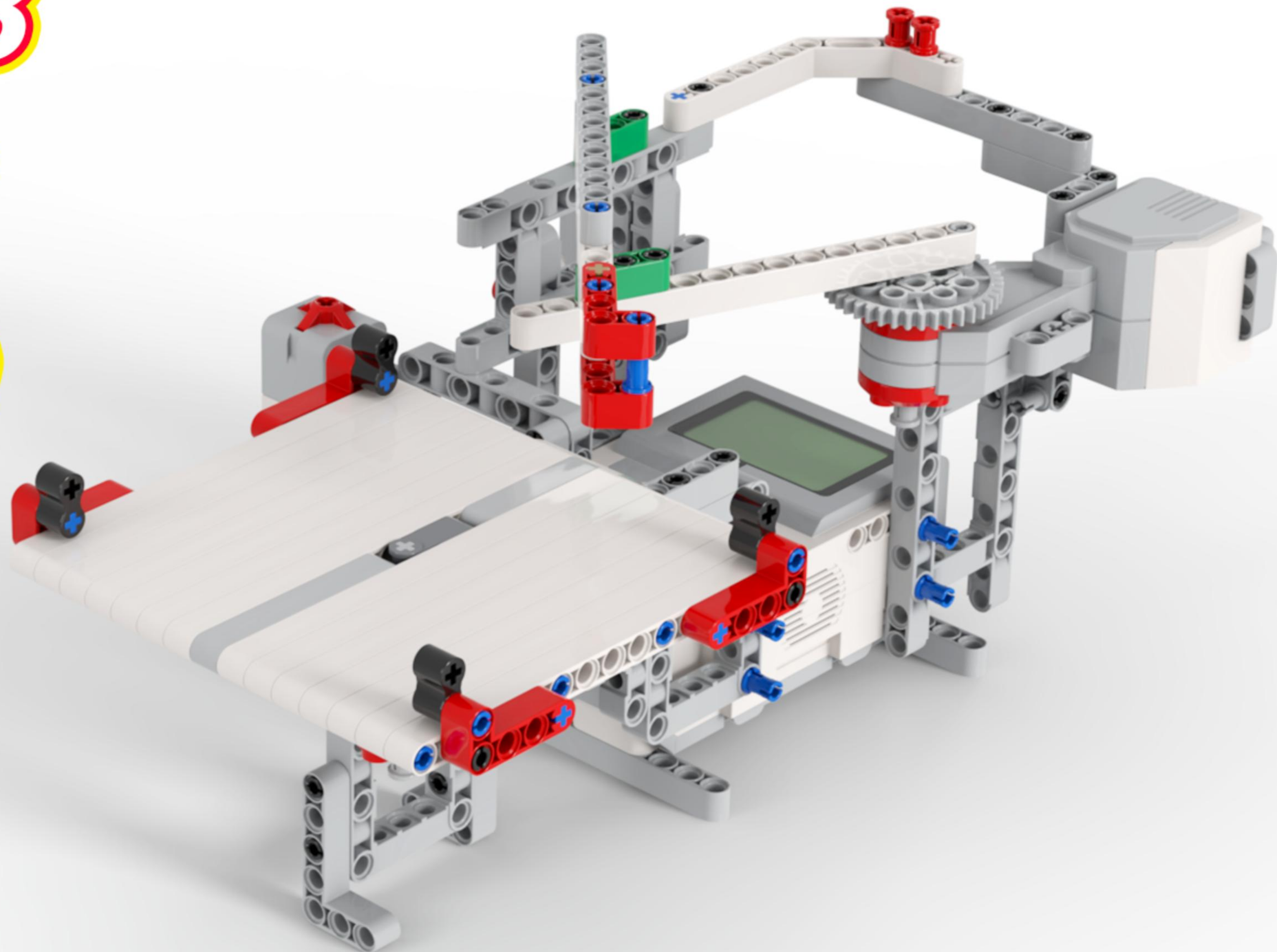
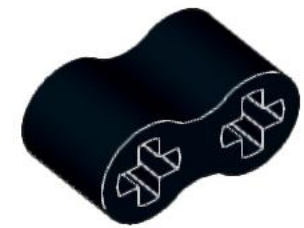


LEGO EV3 Drawing machine





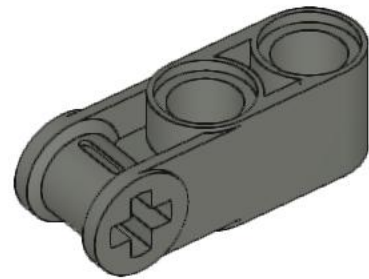
4x
45590
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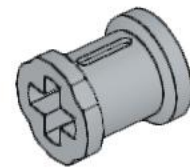
40x
2780
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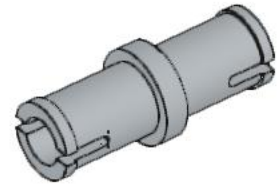
2x
32498
Black



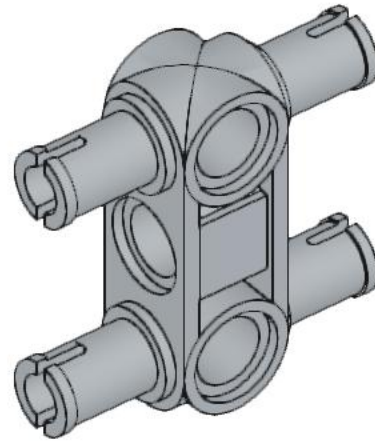
1x
42003
Dark Bluish Gray



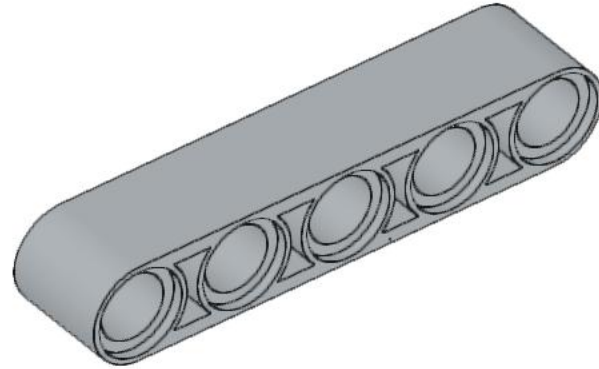
2x
3713
Light Bluish Gray



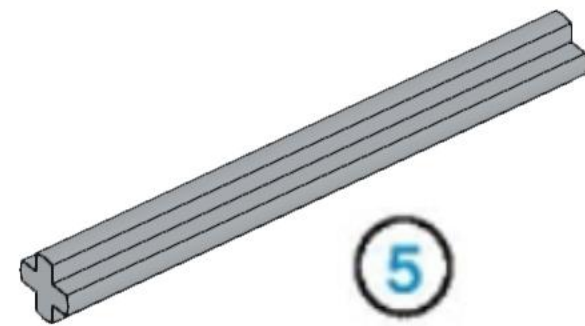
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3673
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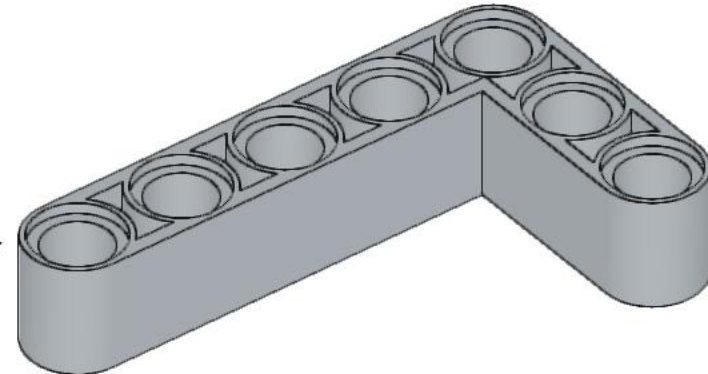
2x
48989
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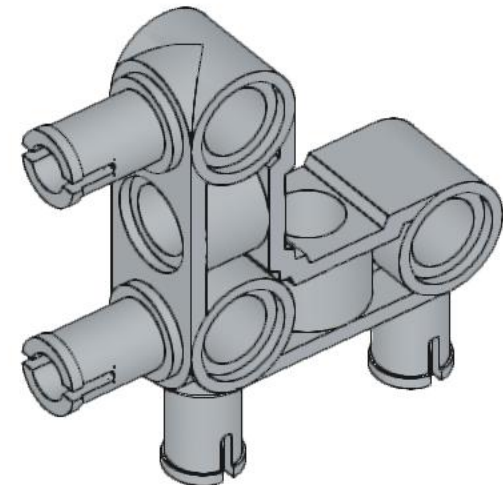
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32316
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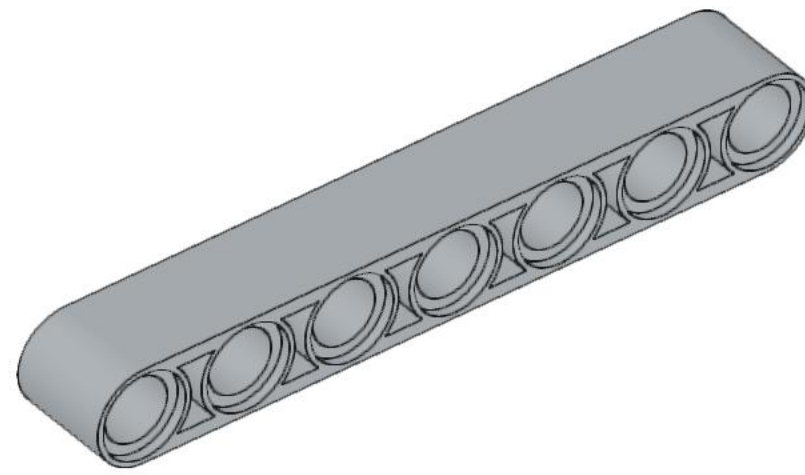
1x
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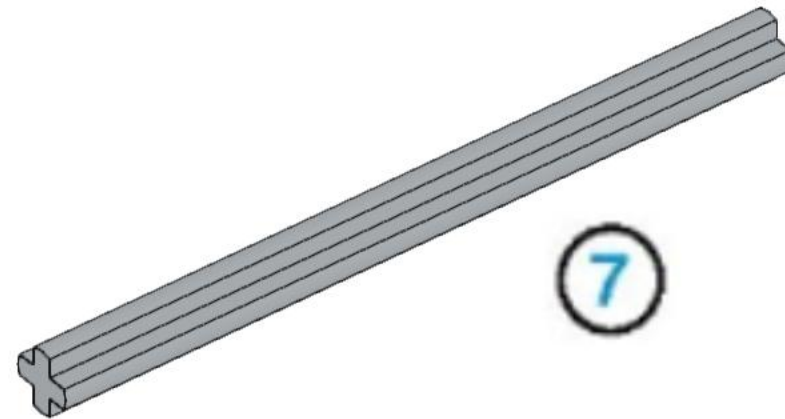
3x
32526
Light Bluish Gray



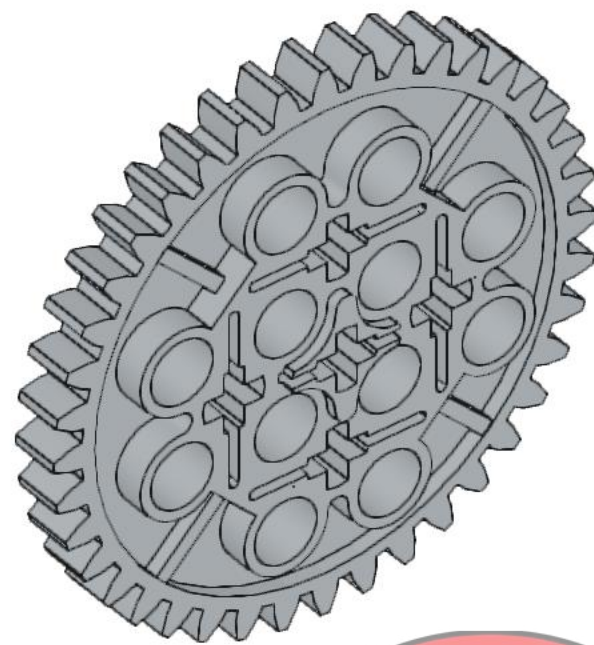
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55615
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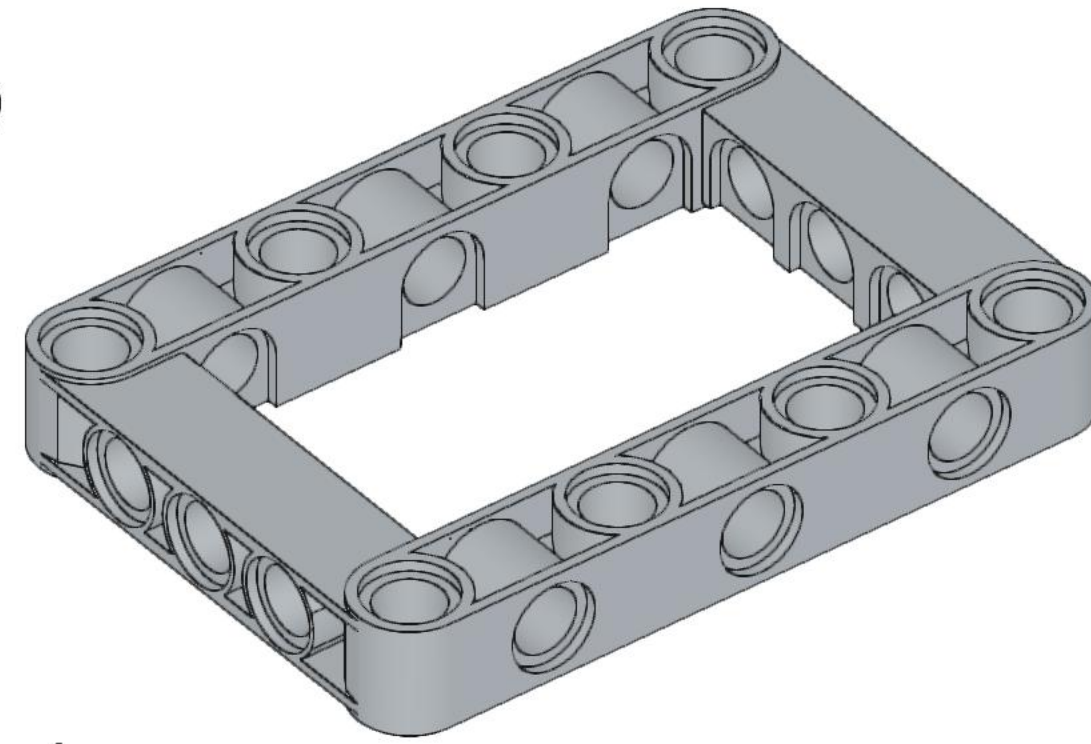
2x
32524
Light Bluish Gray



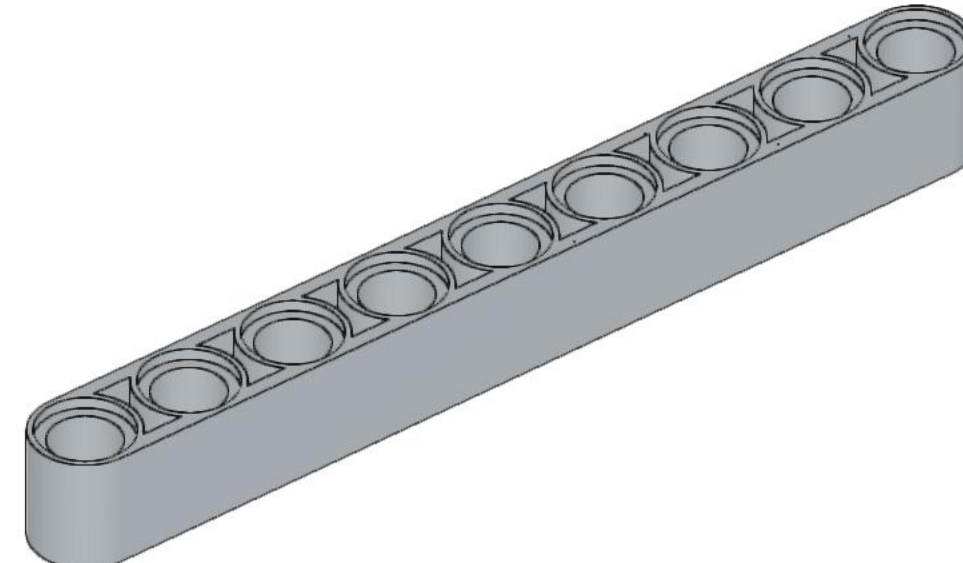
1x
44294
Light Bluish Gray



1x
3649
Light Bluish Gray



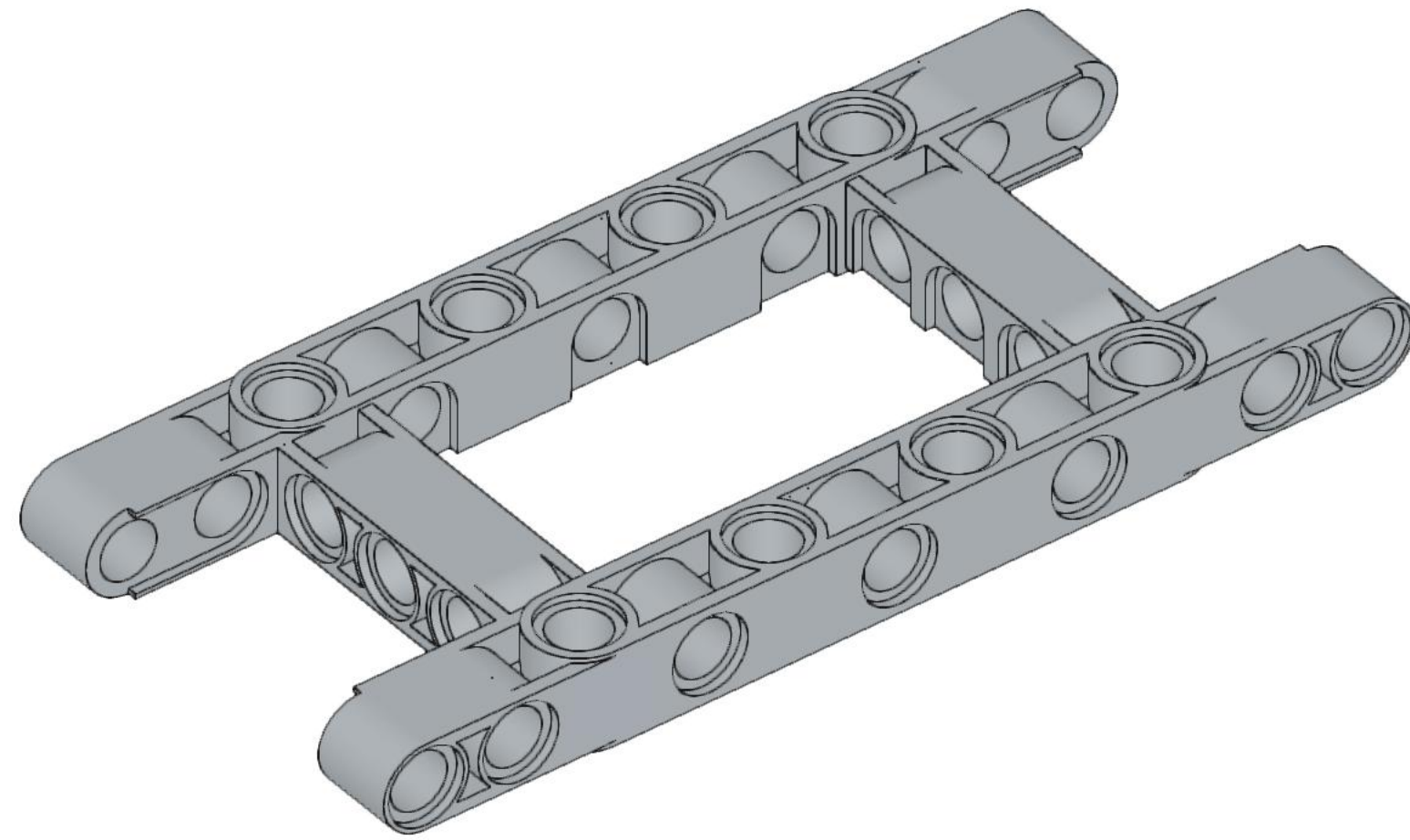
4x
64179
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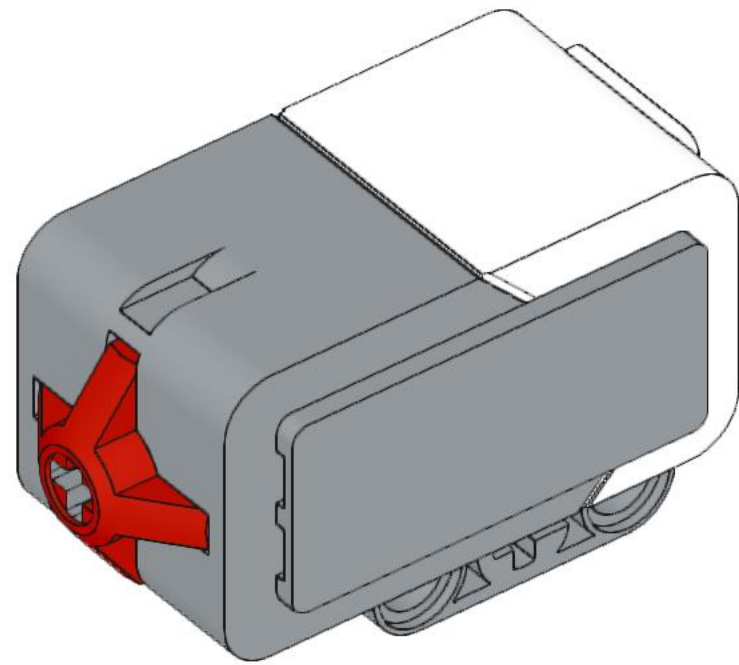
1x
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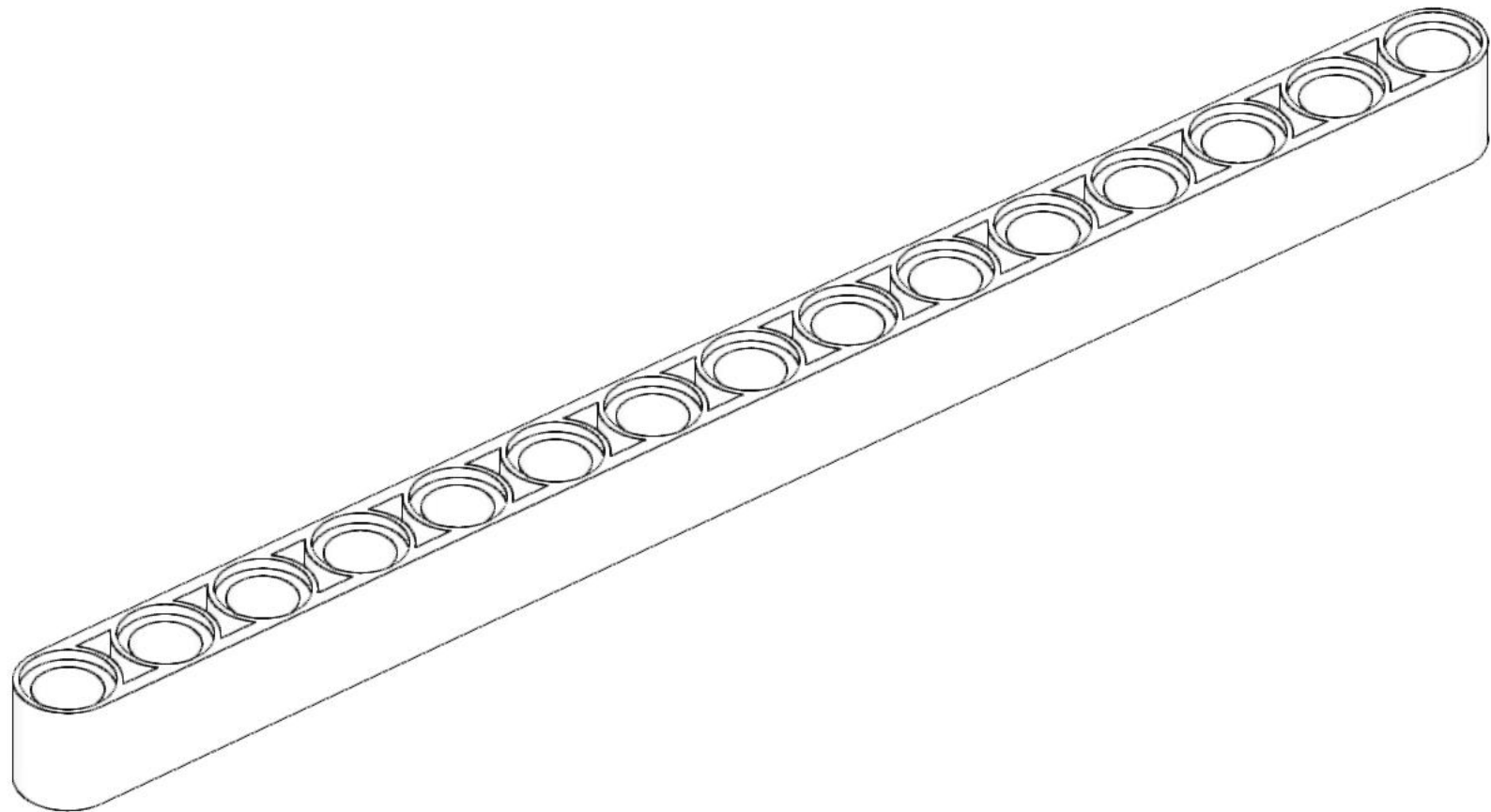
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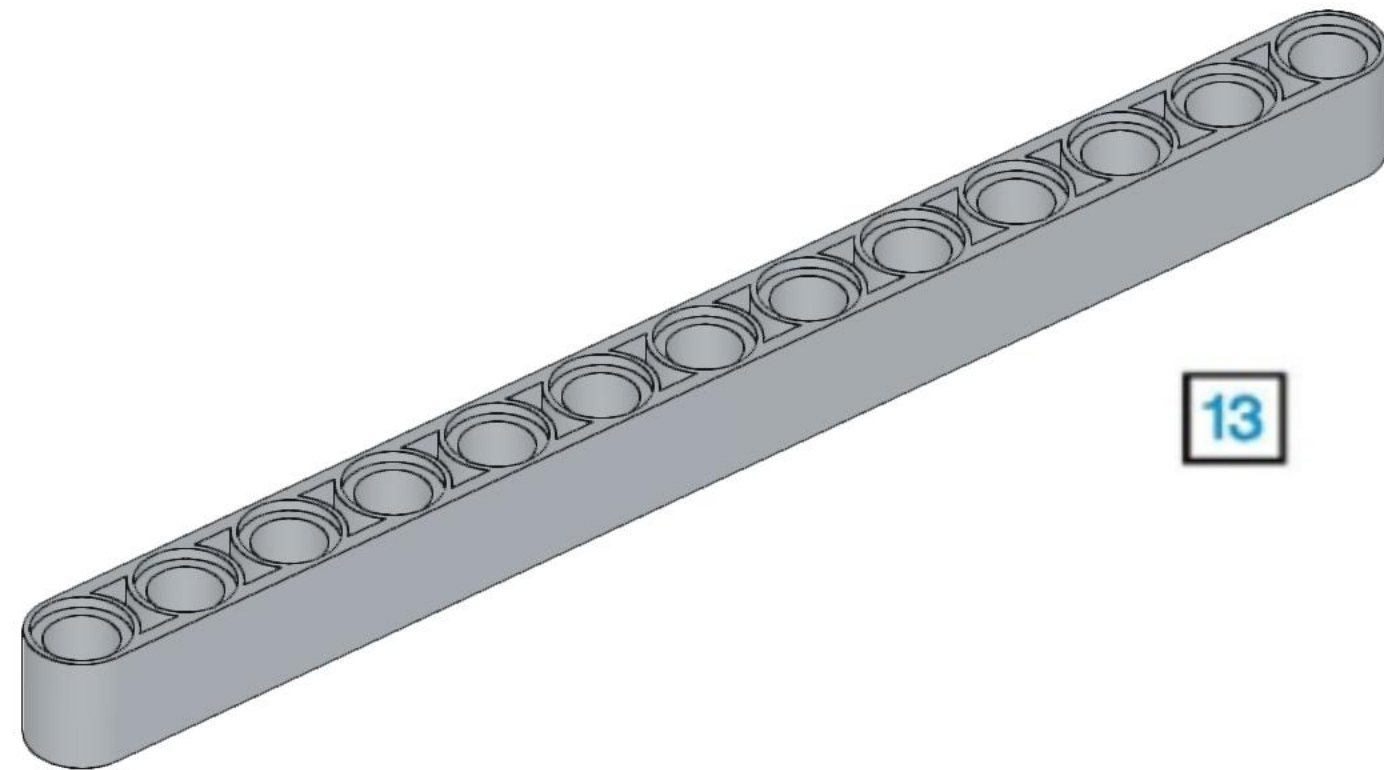
3x
64178
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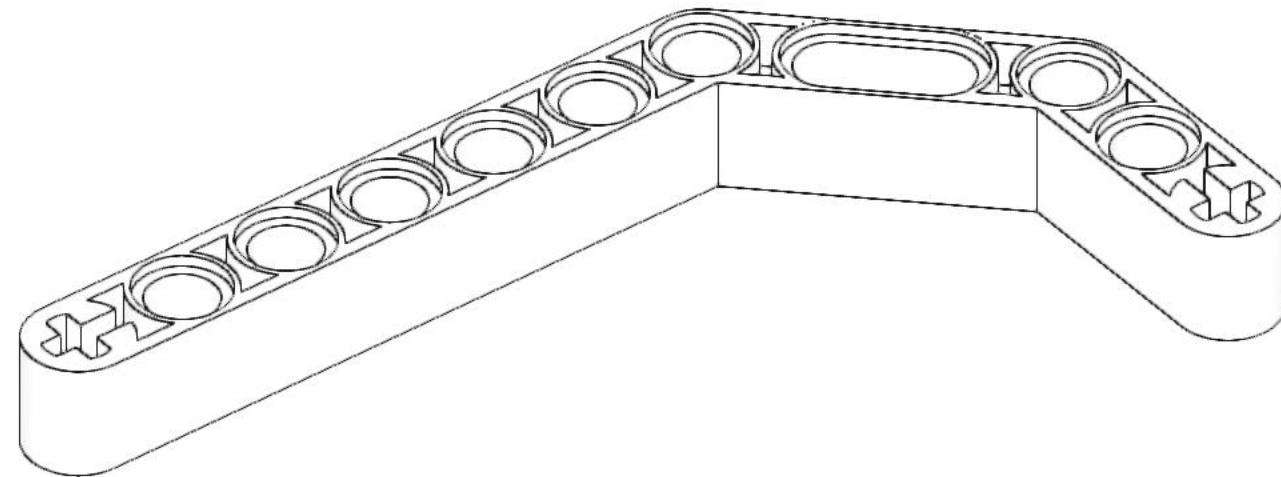
2x
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White



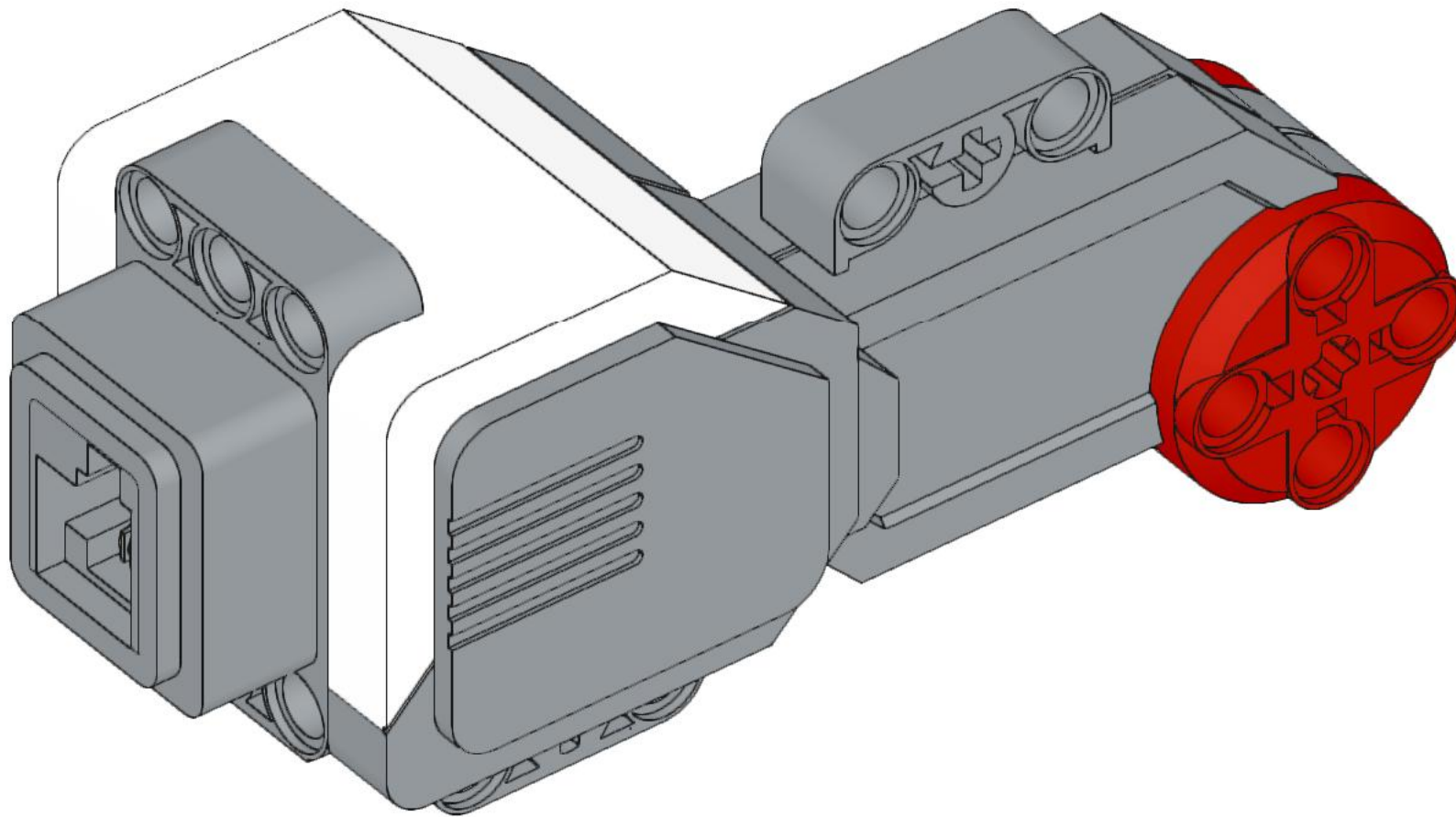
16x
32278
White



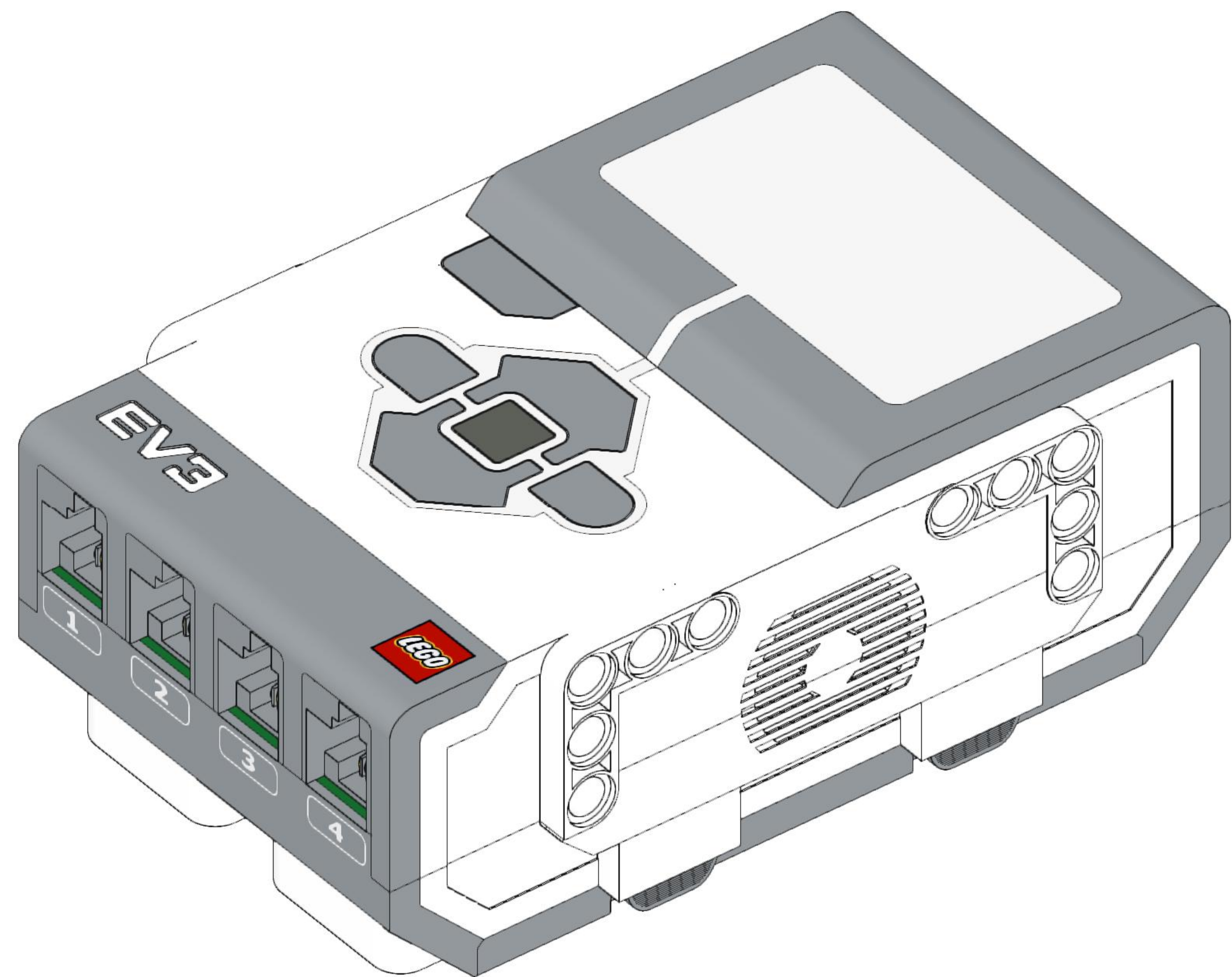
4x
41239
Light Bluish Gray



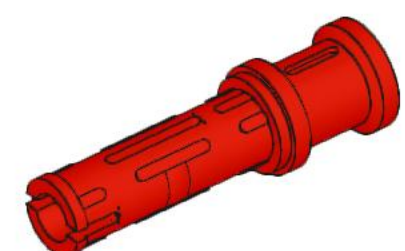
1x
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White



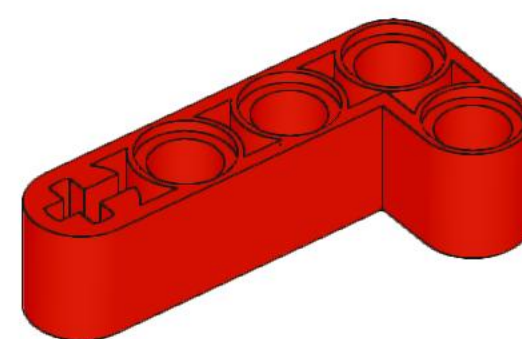
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White



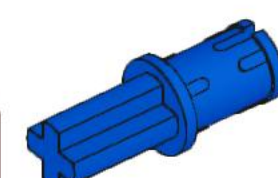
1x
95646c01
White



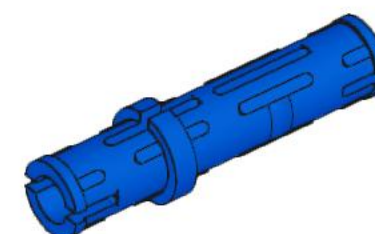
8x
32054
Red



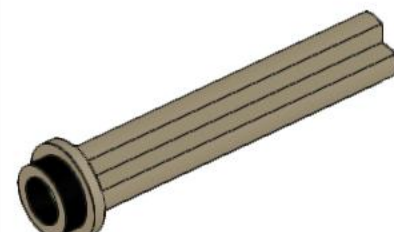
6x
32140
Red



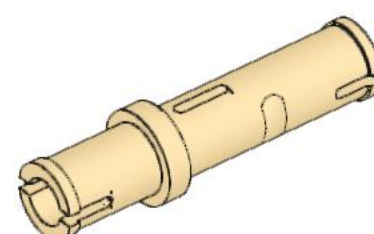
9x
43093
Blue



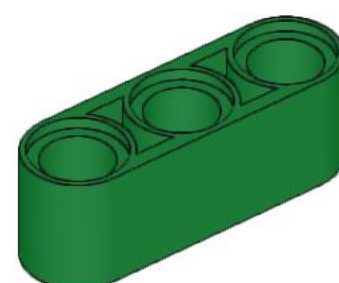
36x
6558
Blue



1x
6587
Dark Tan



2x
32556
Tan

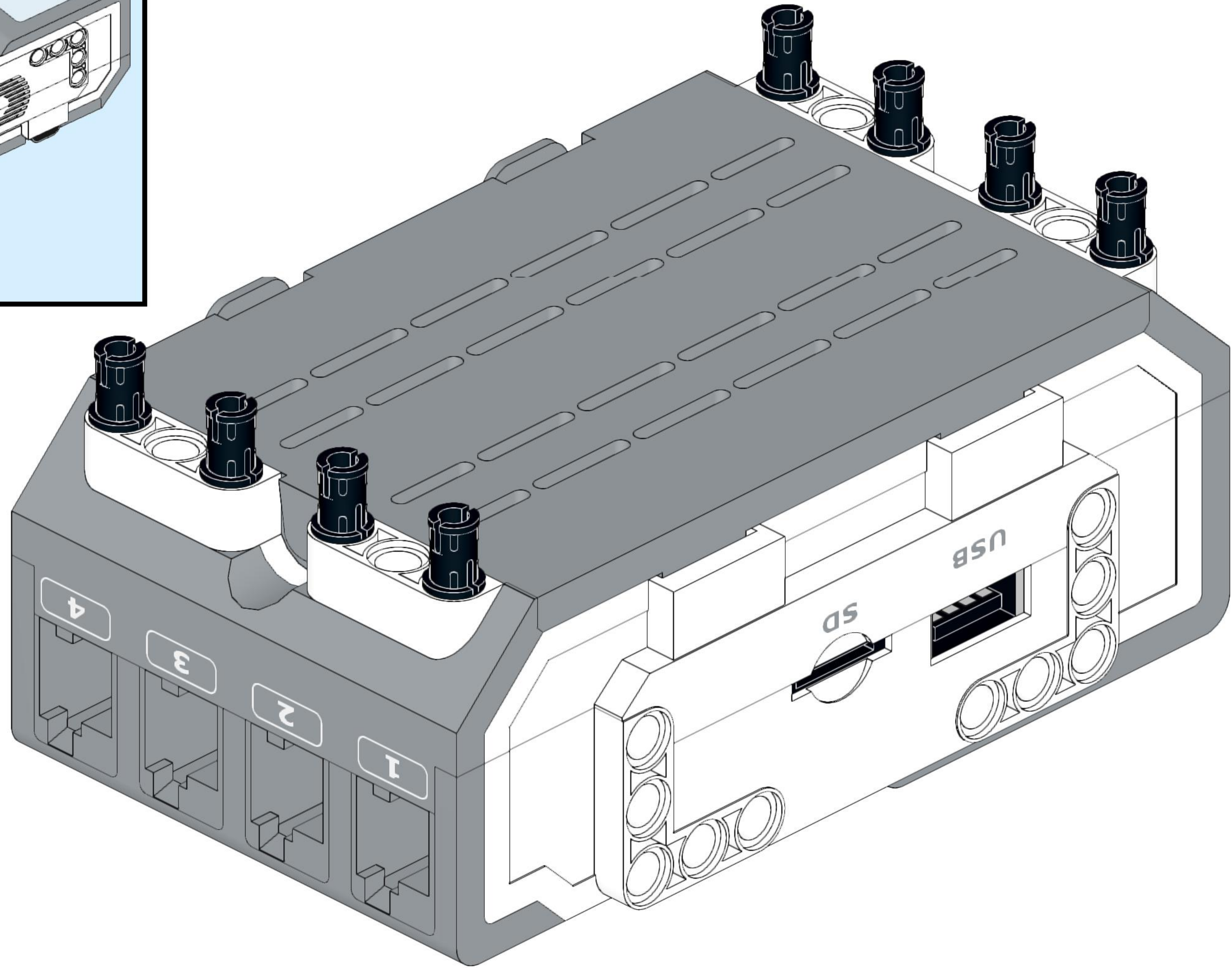
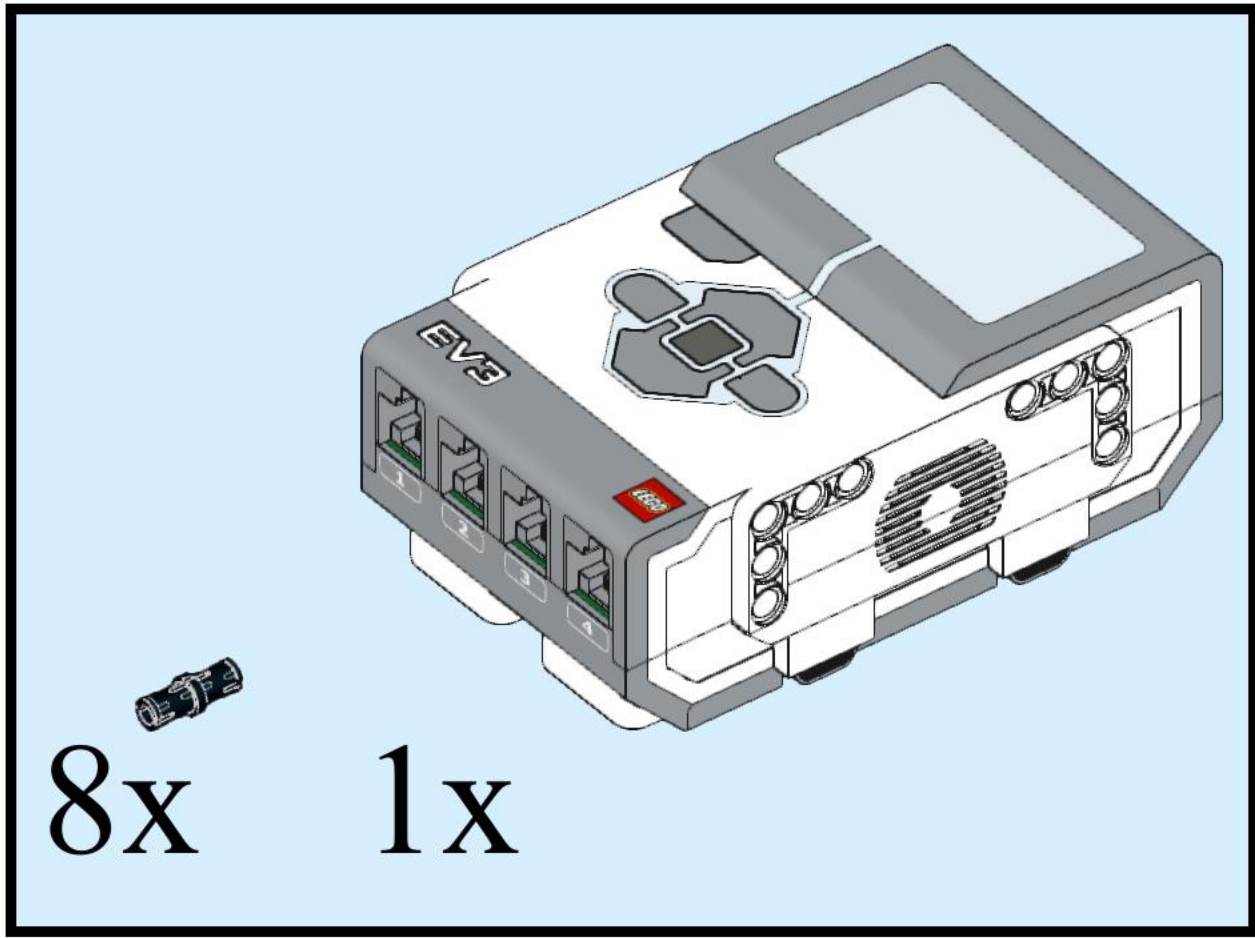


2x
32523
Green

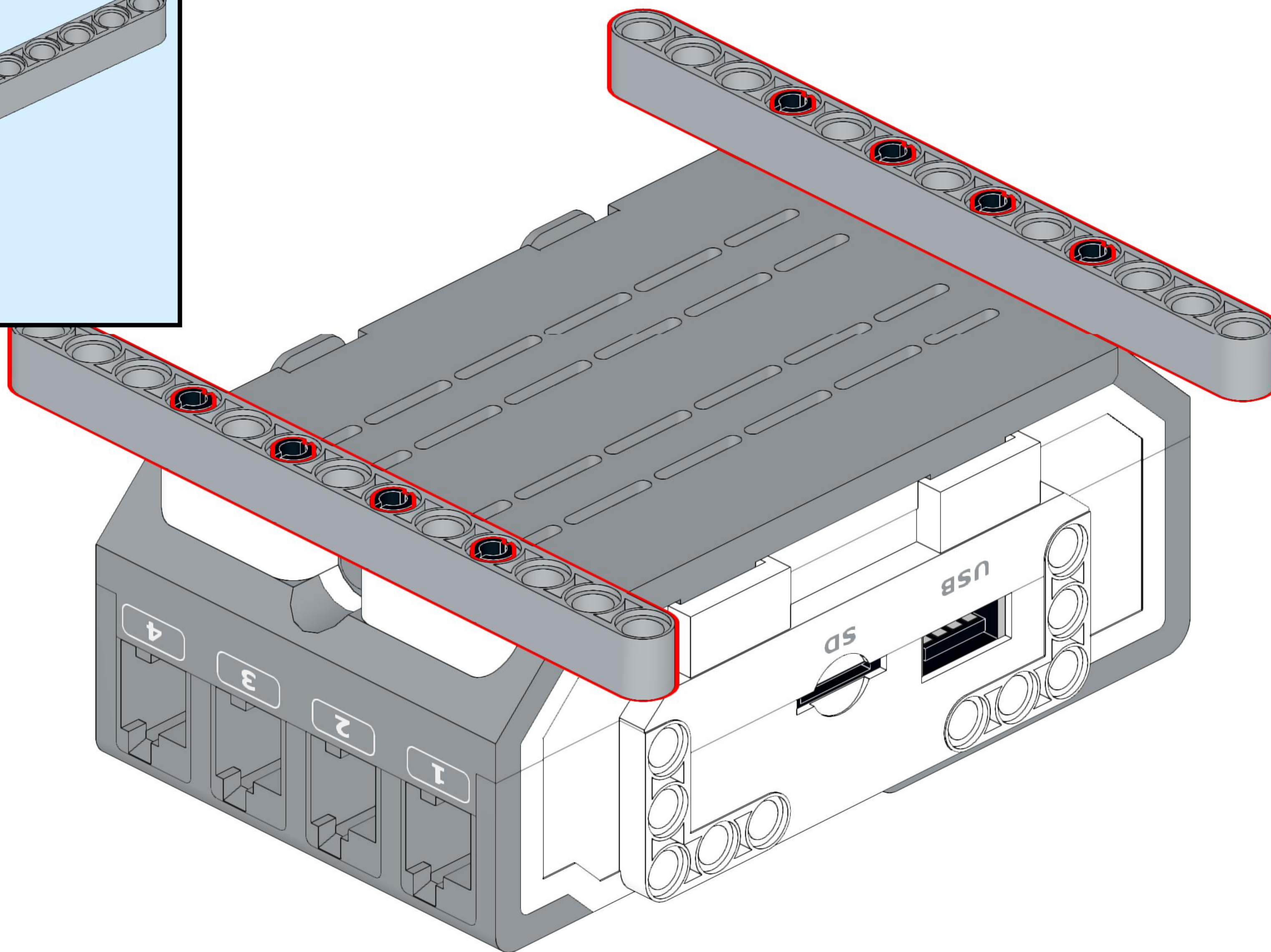
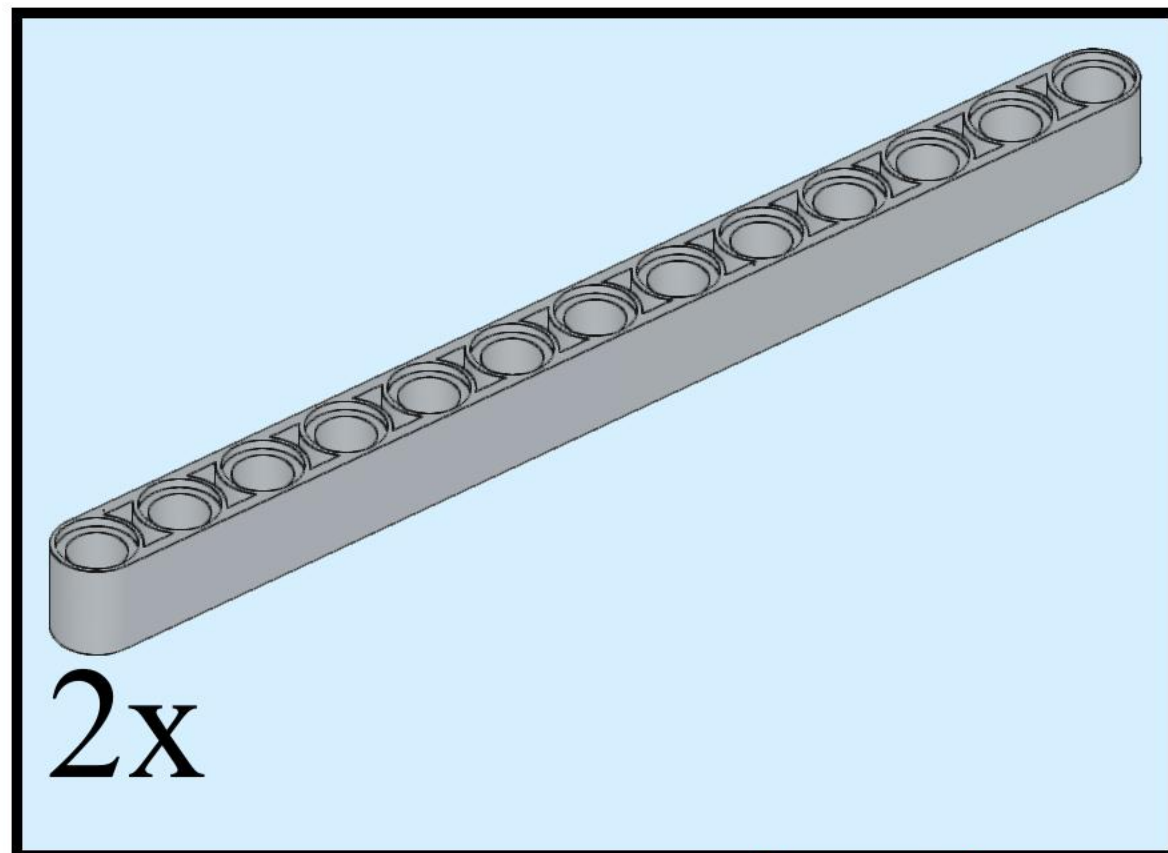
All the parts for this work are from the LEGO EV3 45544+45560 series. You will also need a pen, a rubber band, and some 11.5CM wide white paper.

搭建这个作品所有零件都来自于乐高EV3 45544+45560系列。还需要一支笔，一根橡皮筋，一些11.5CM宽度的白纸

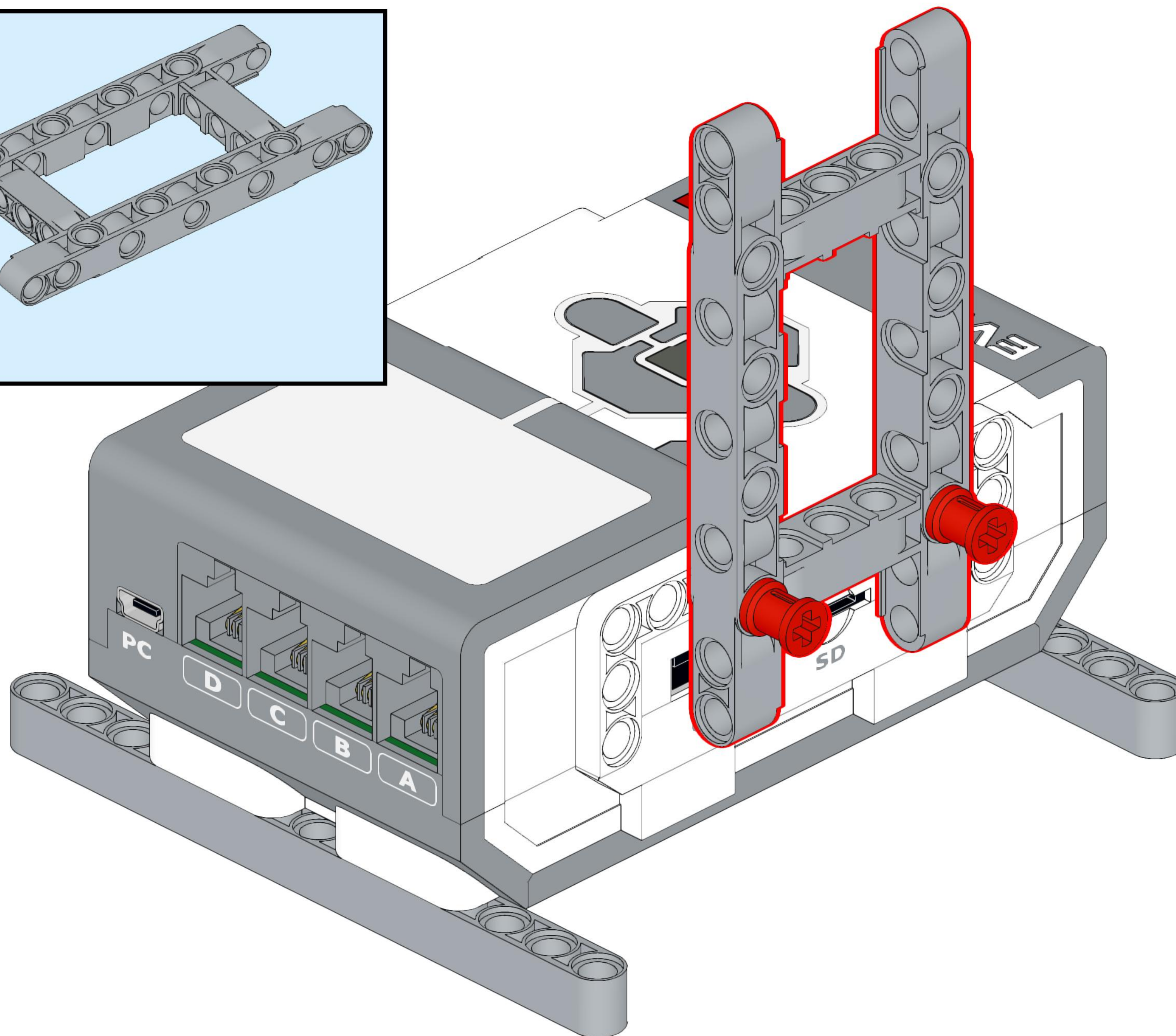
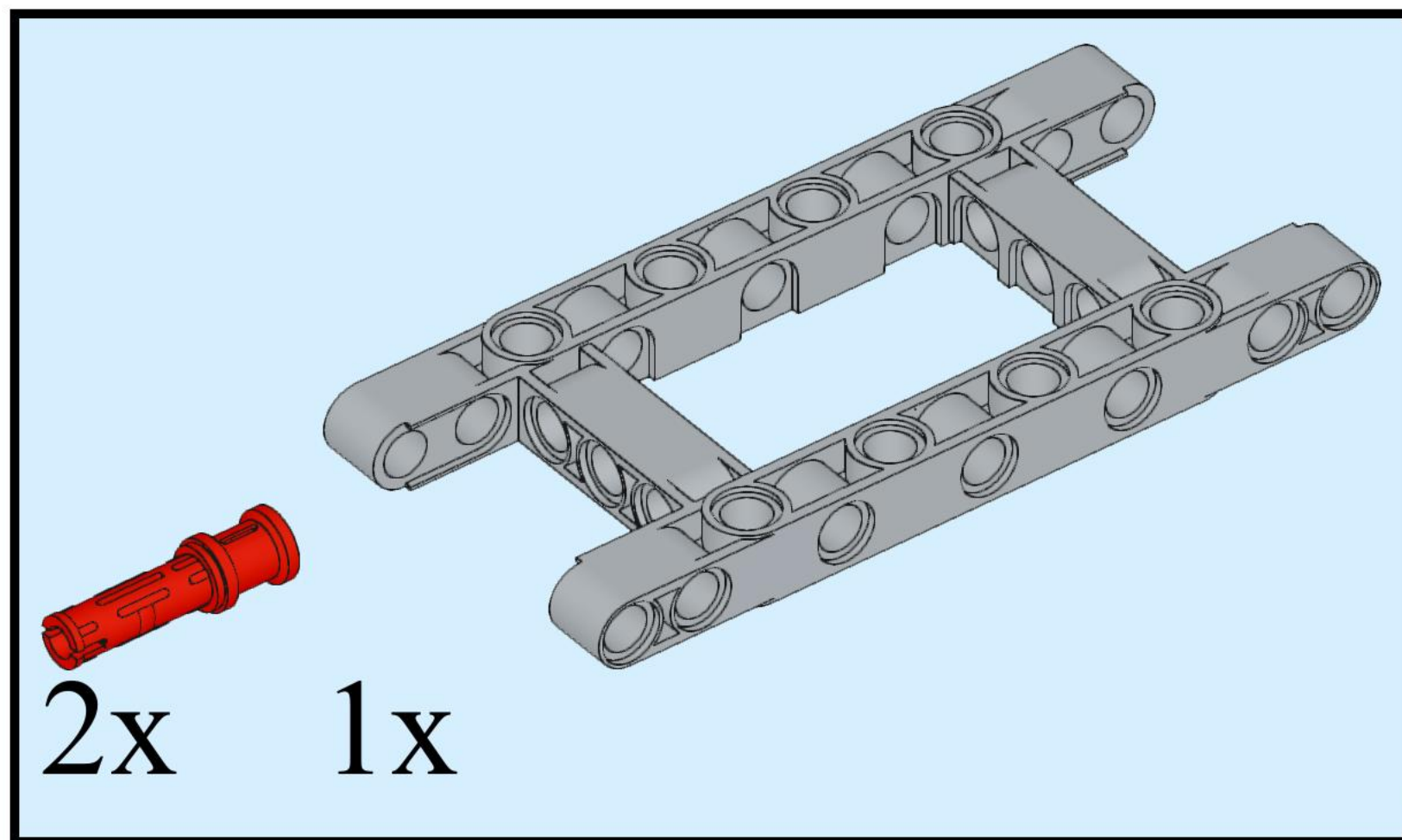
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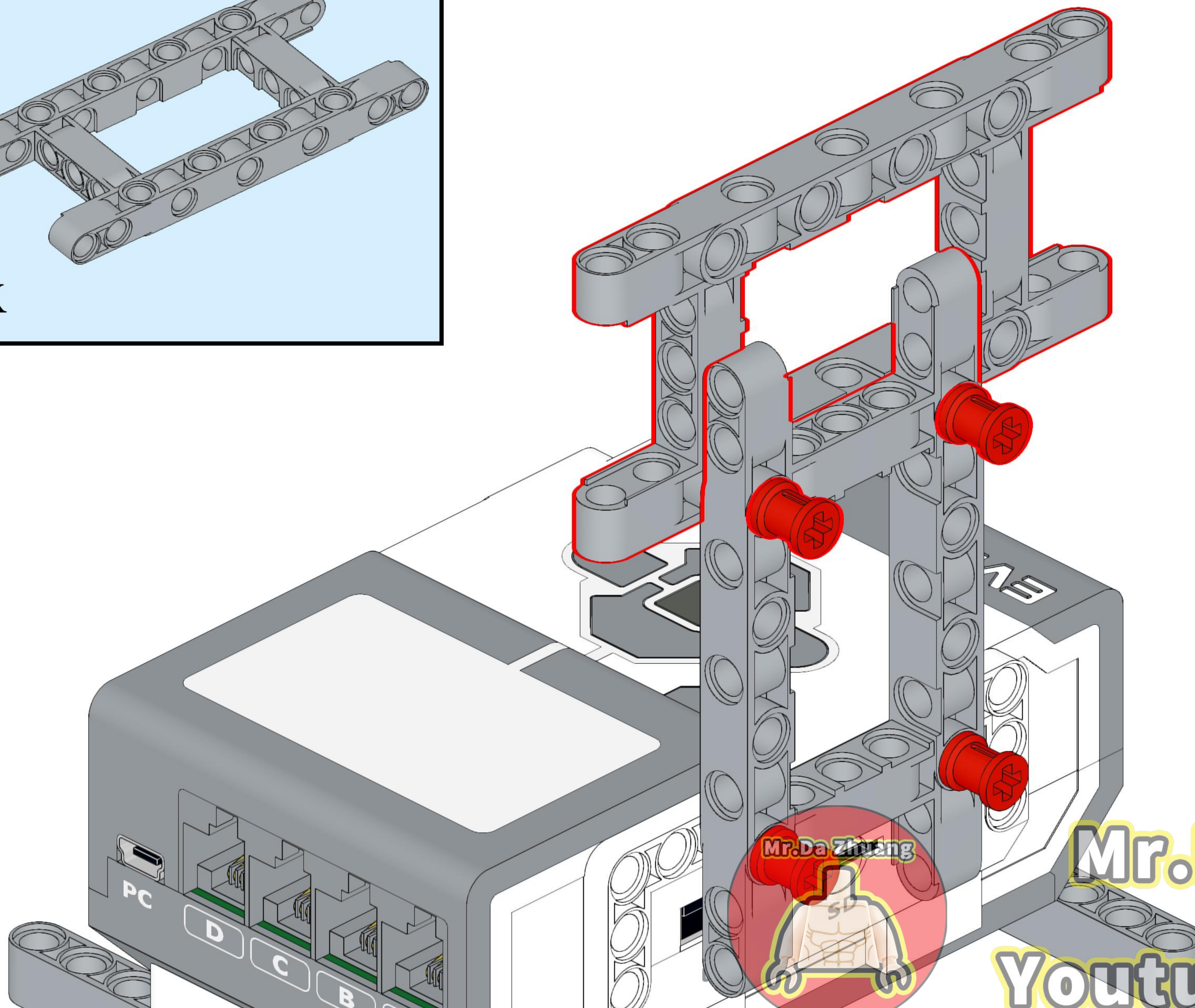
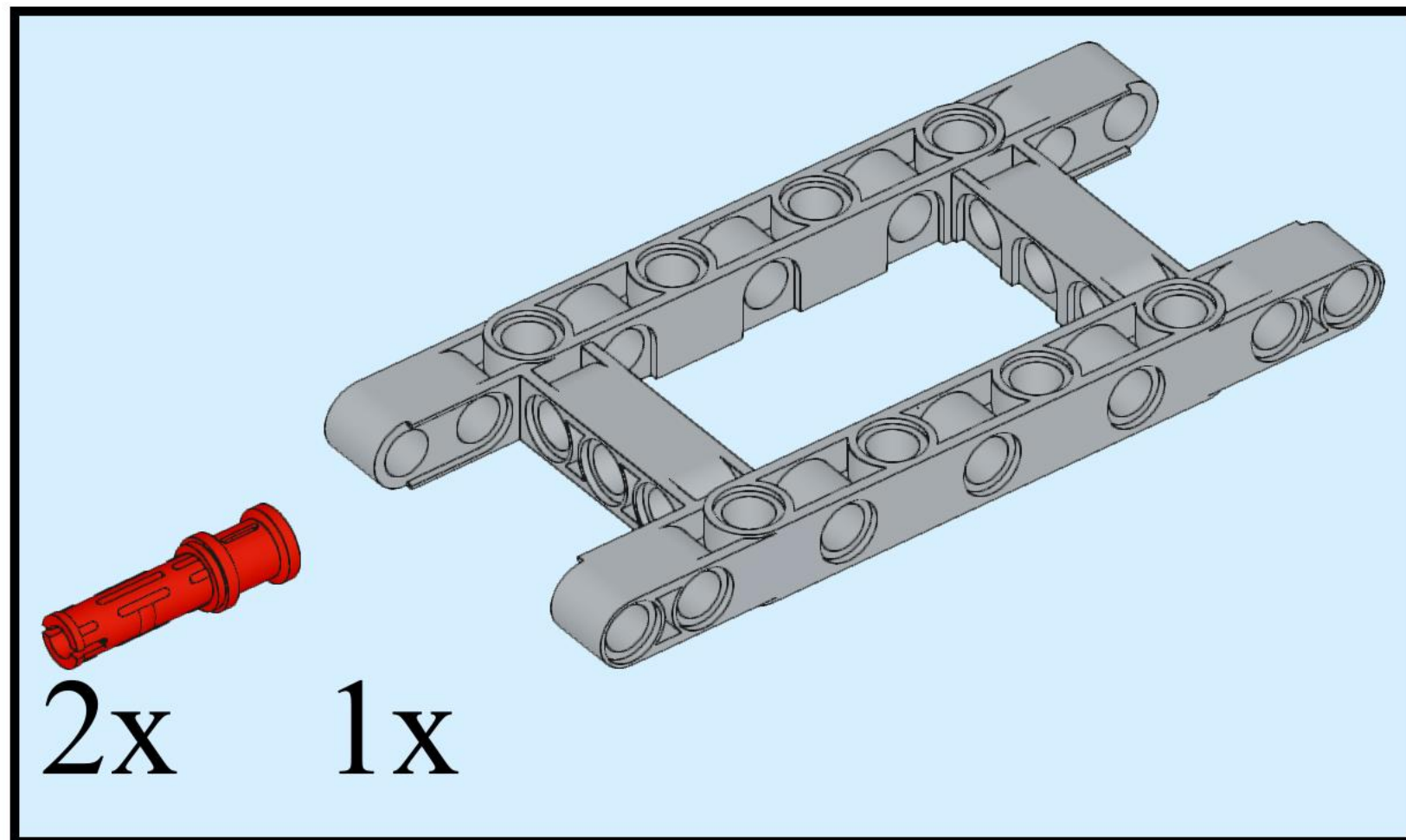
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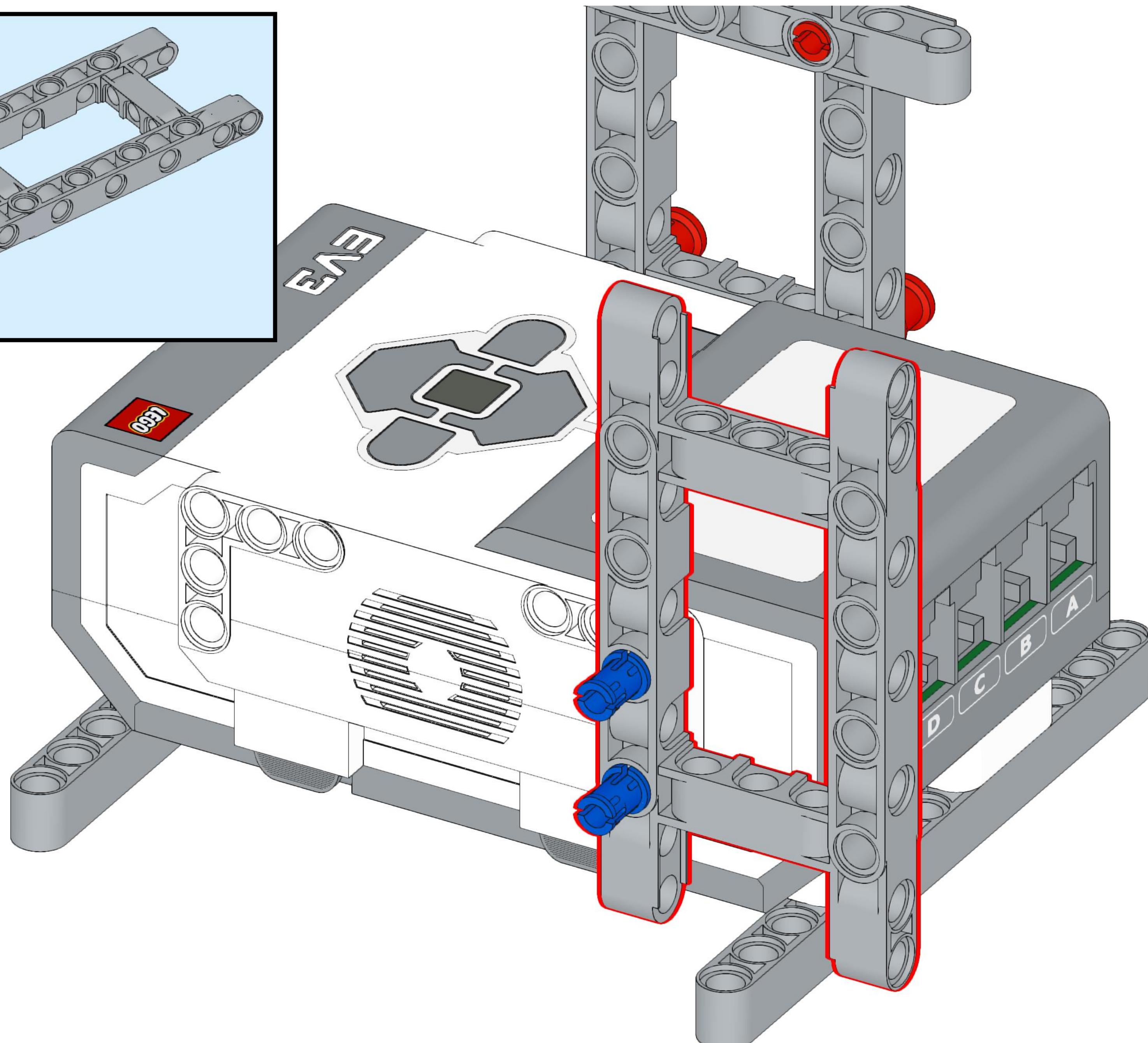
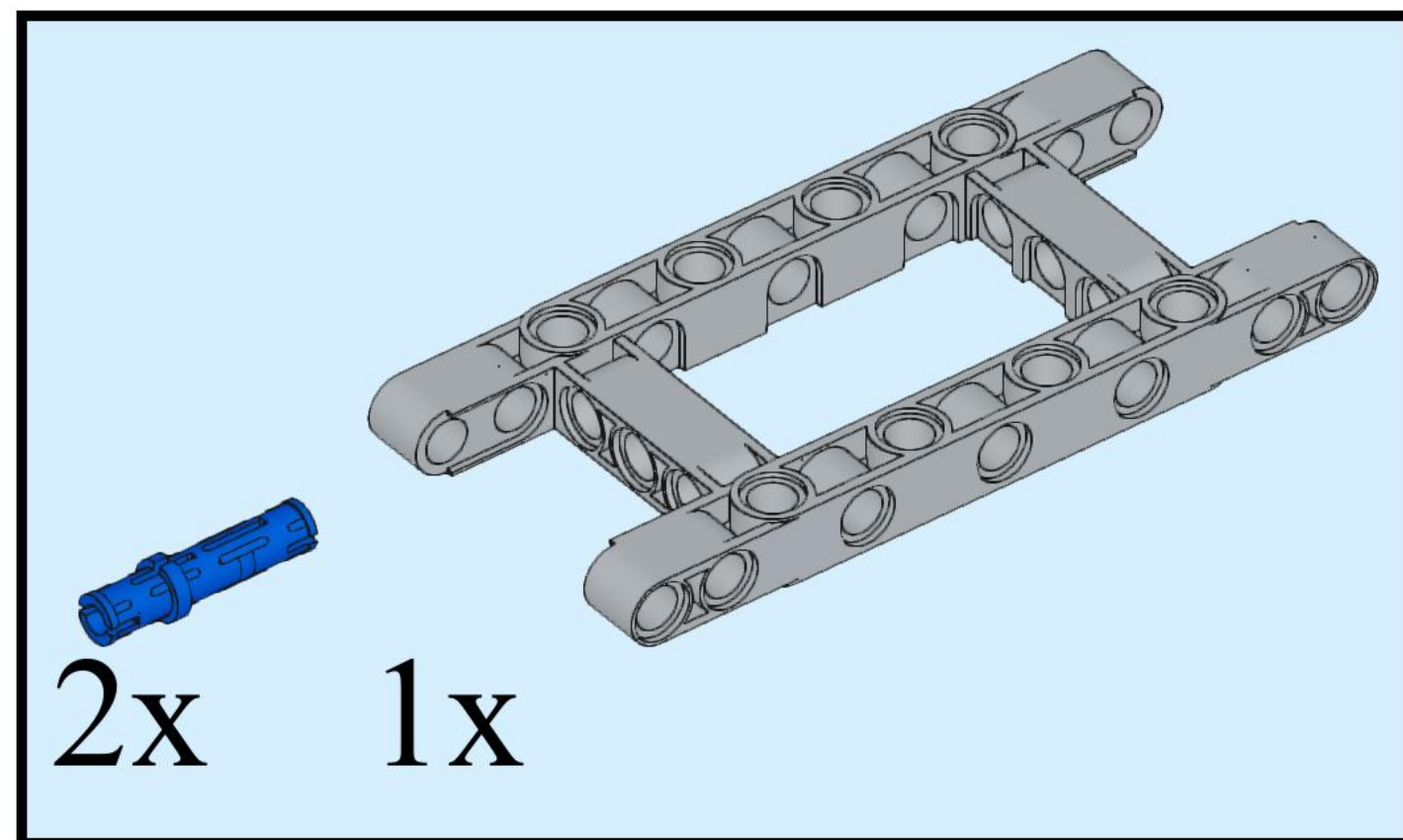


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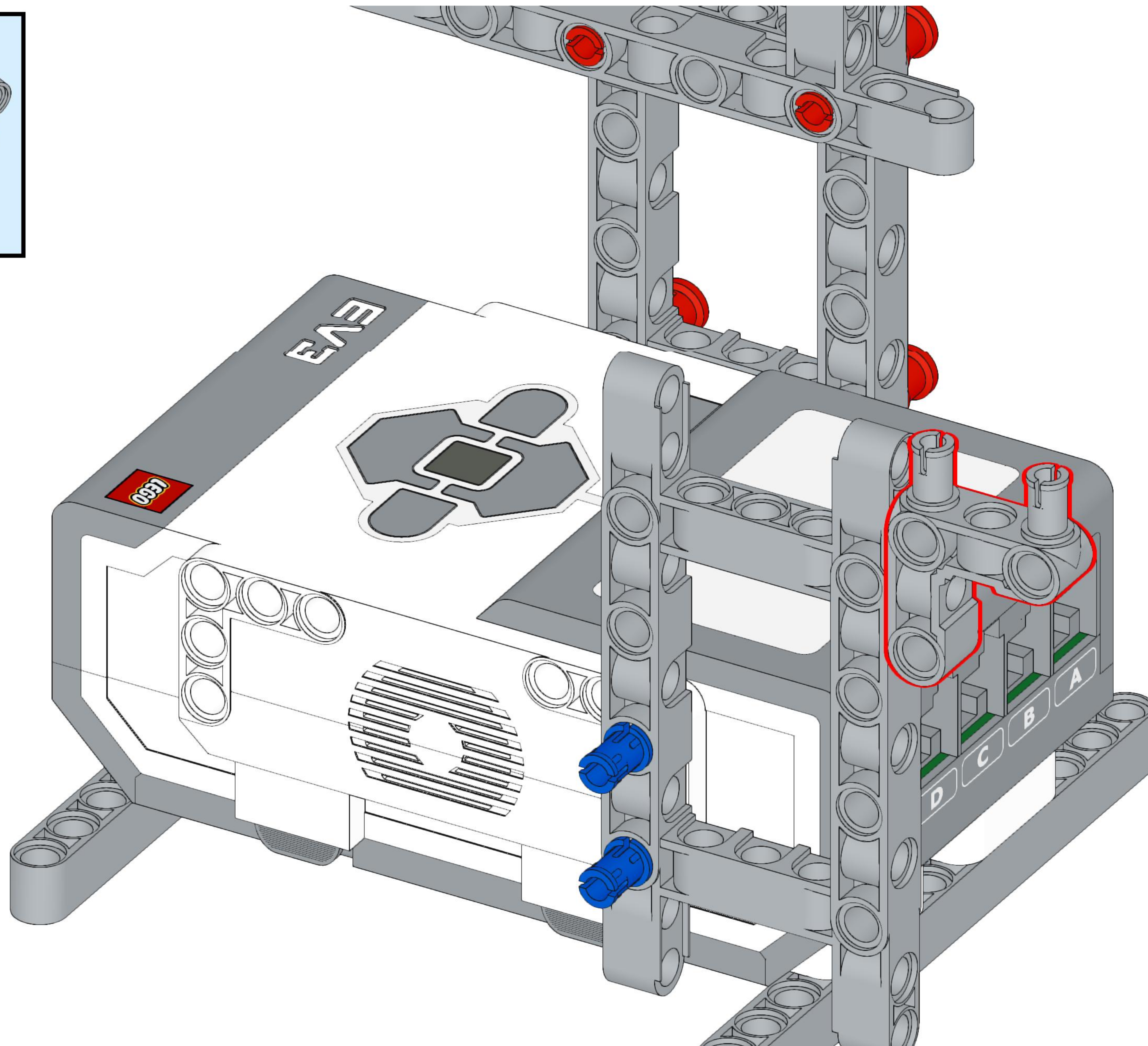
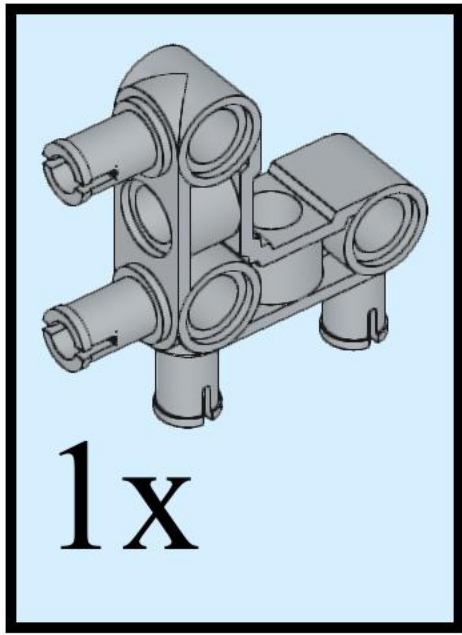


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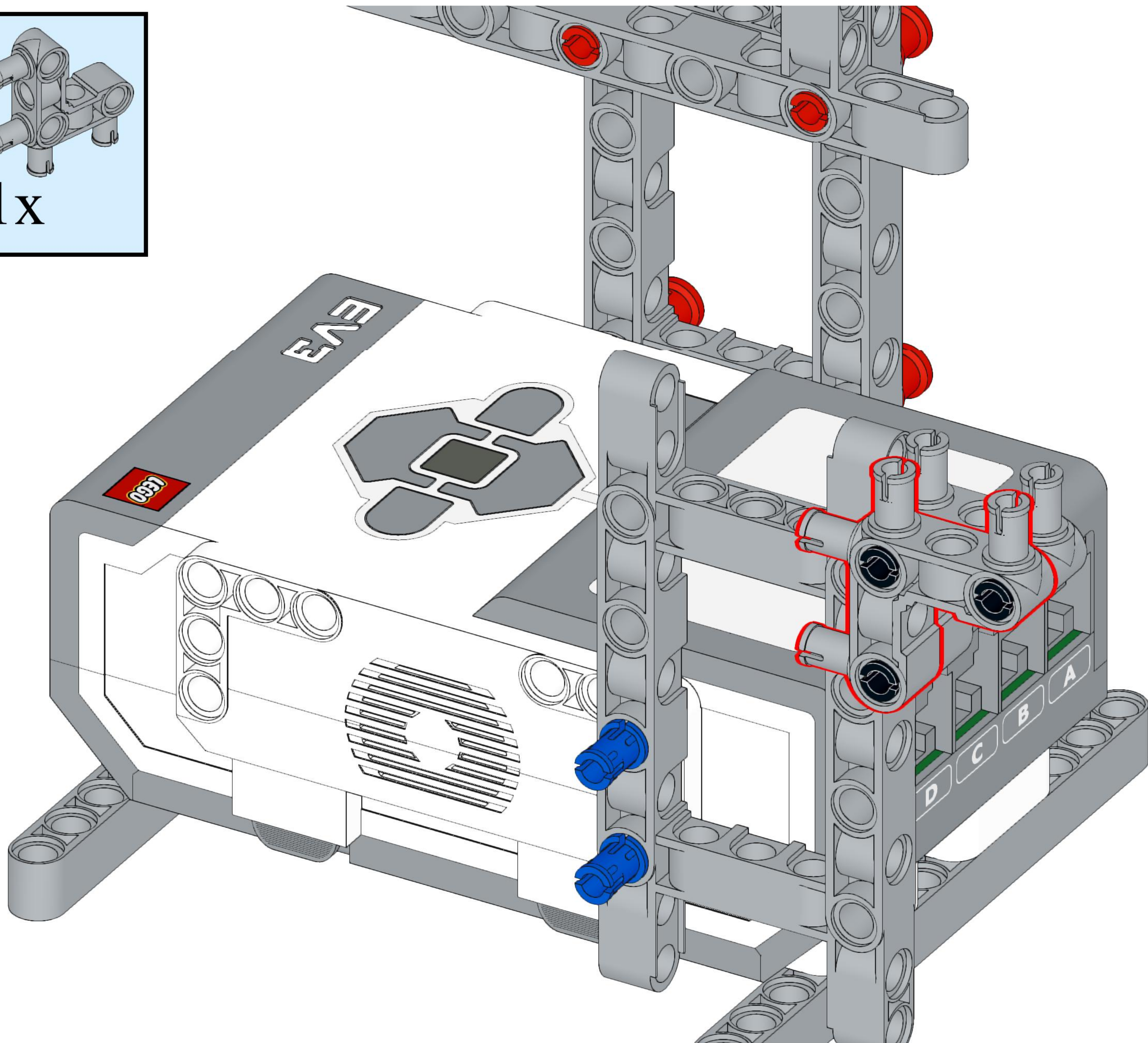
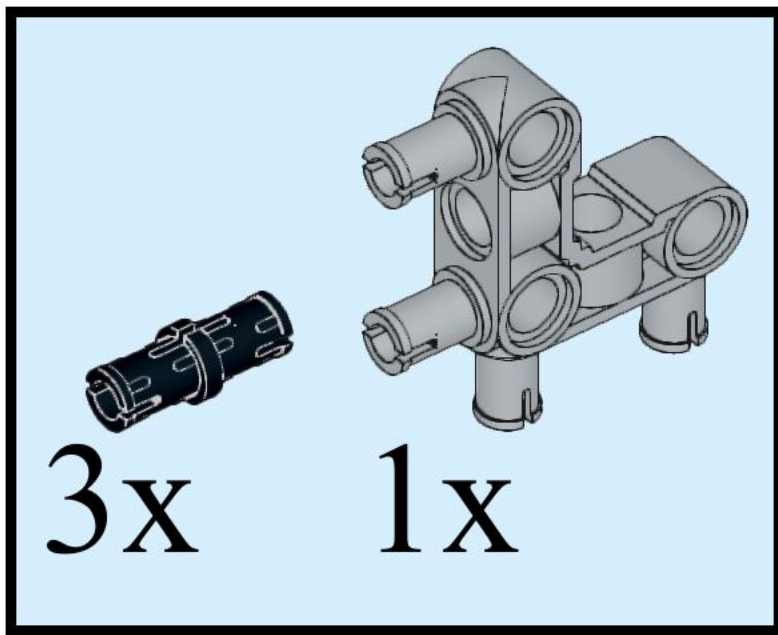
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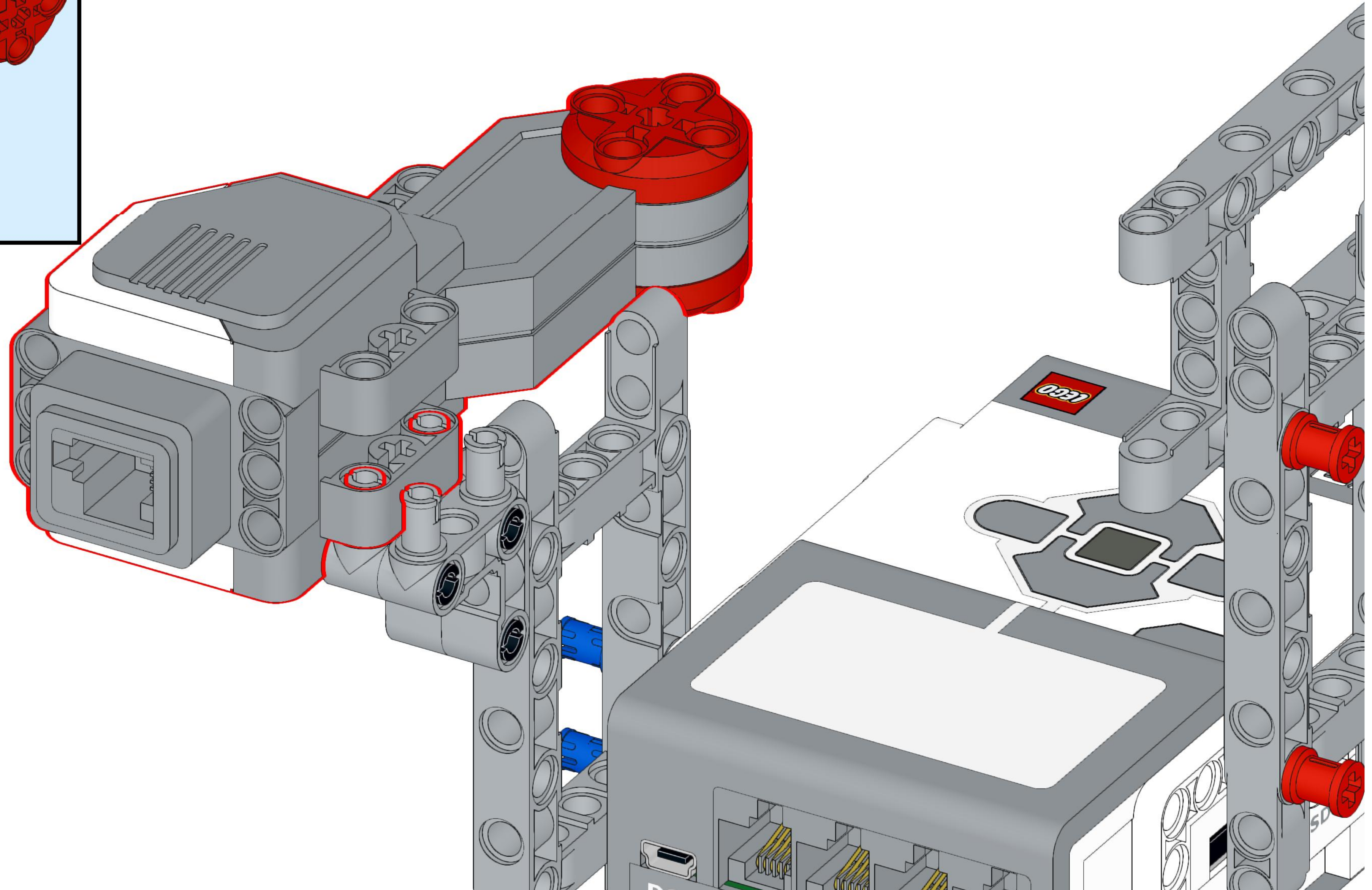
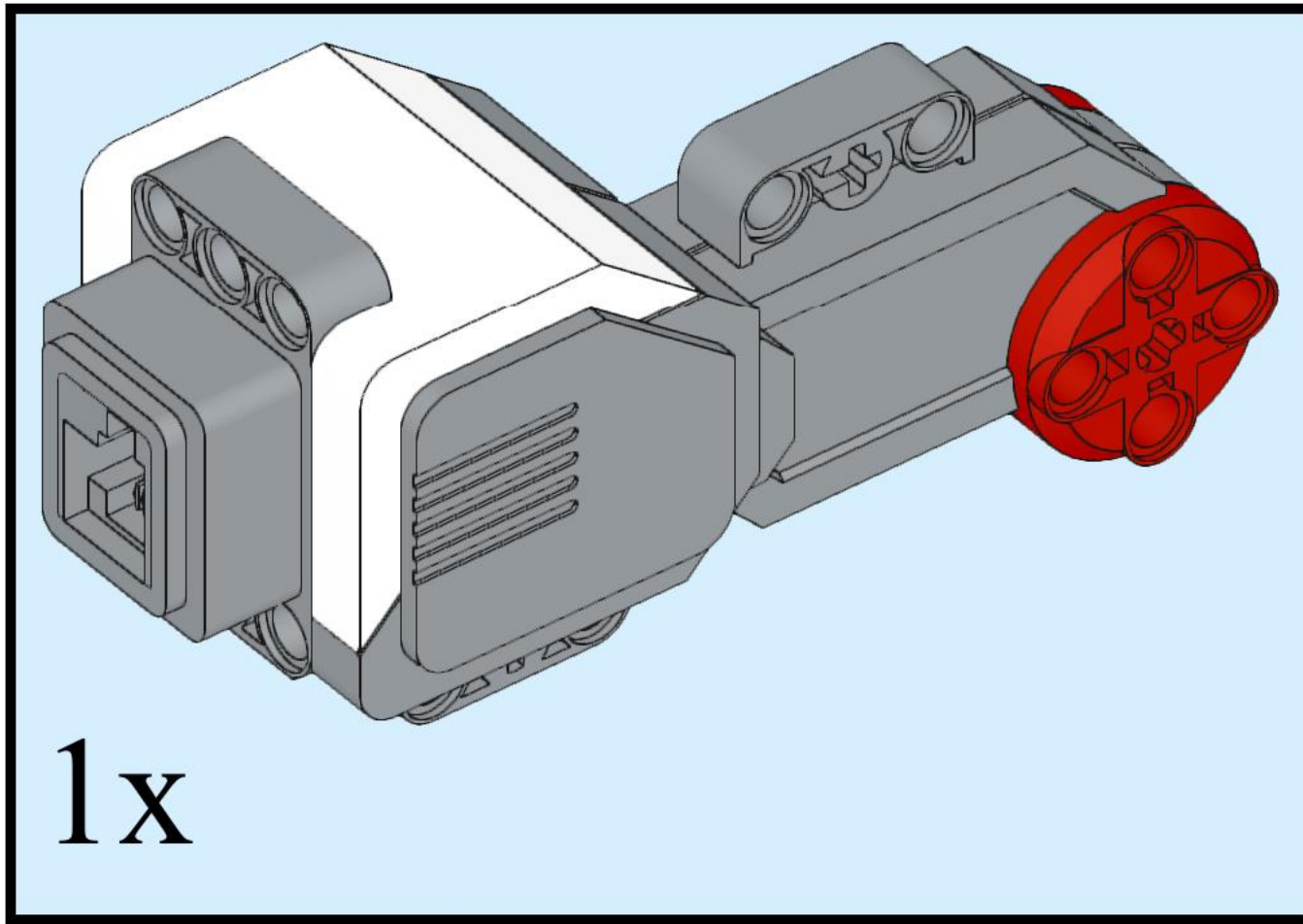
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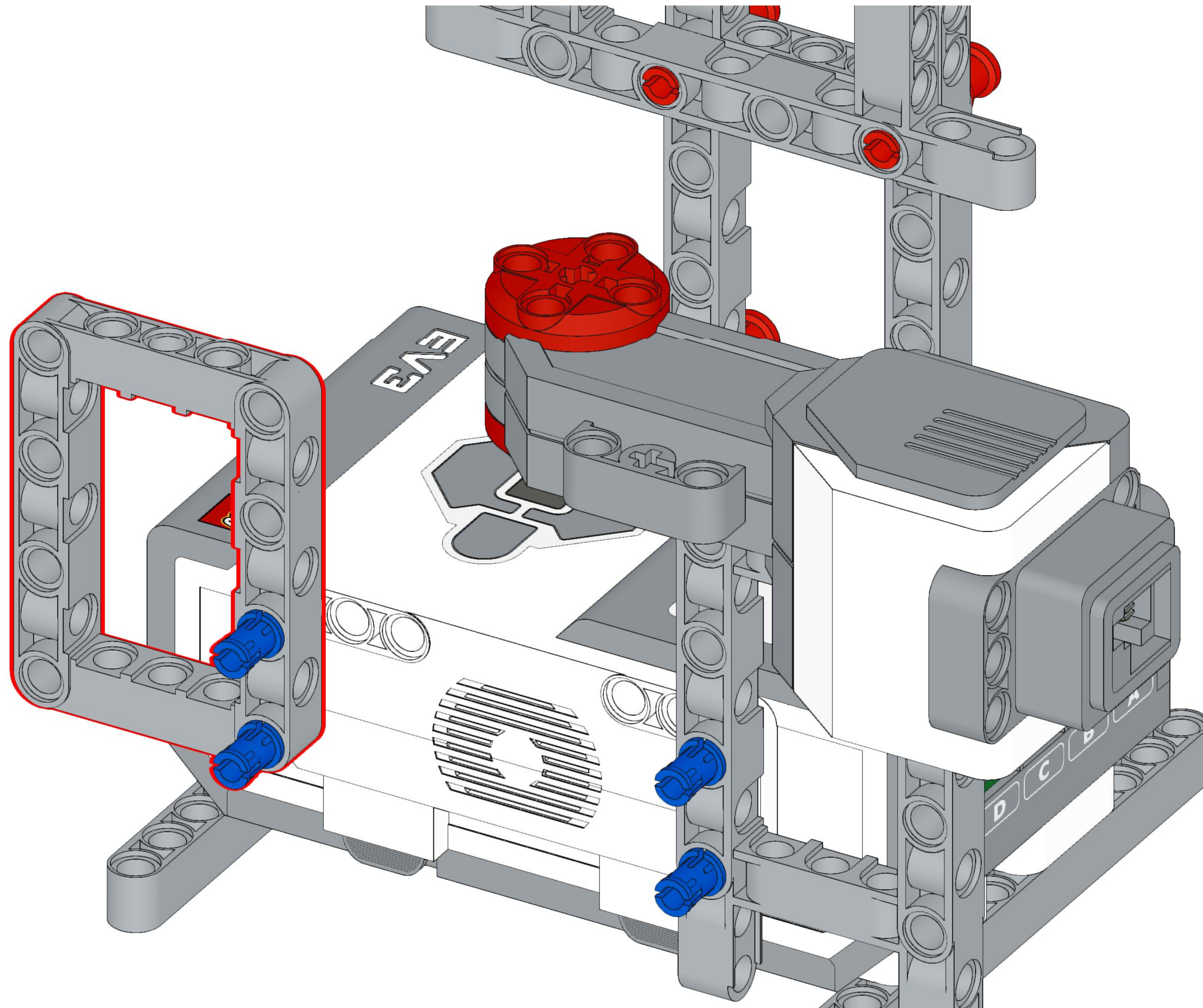
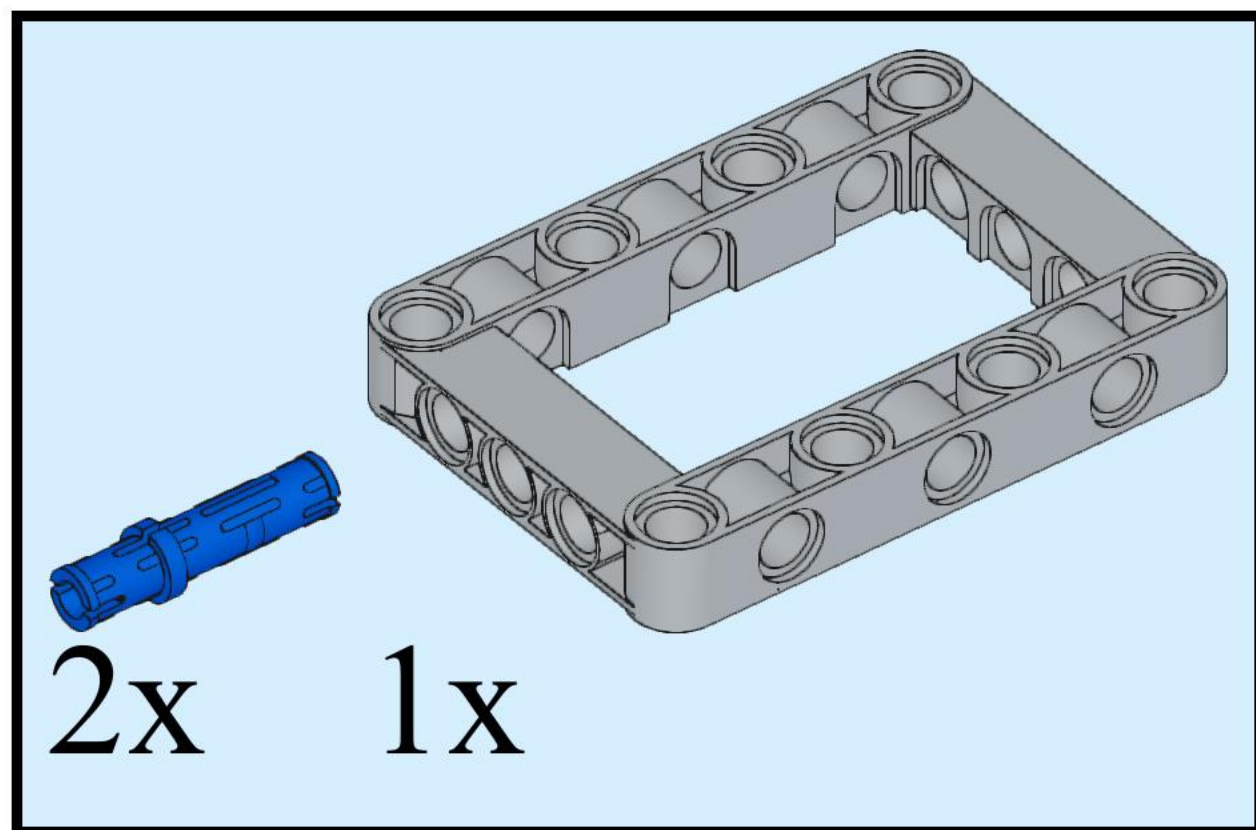
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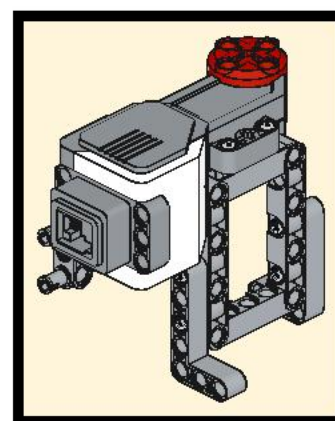
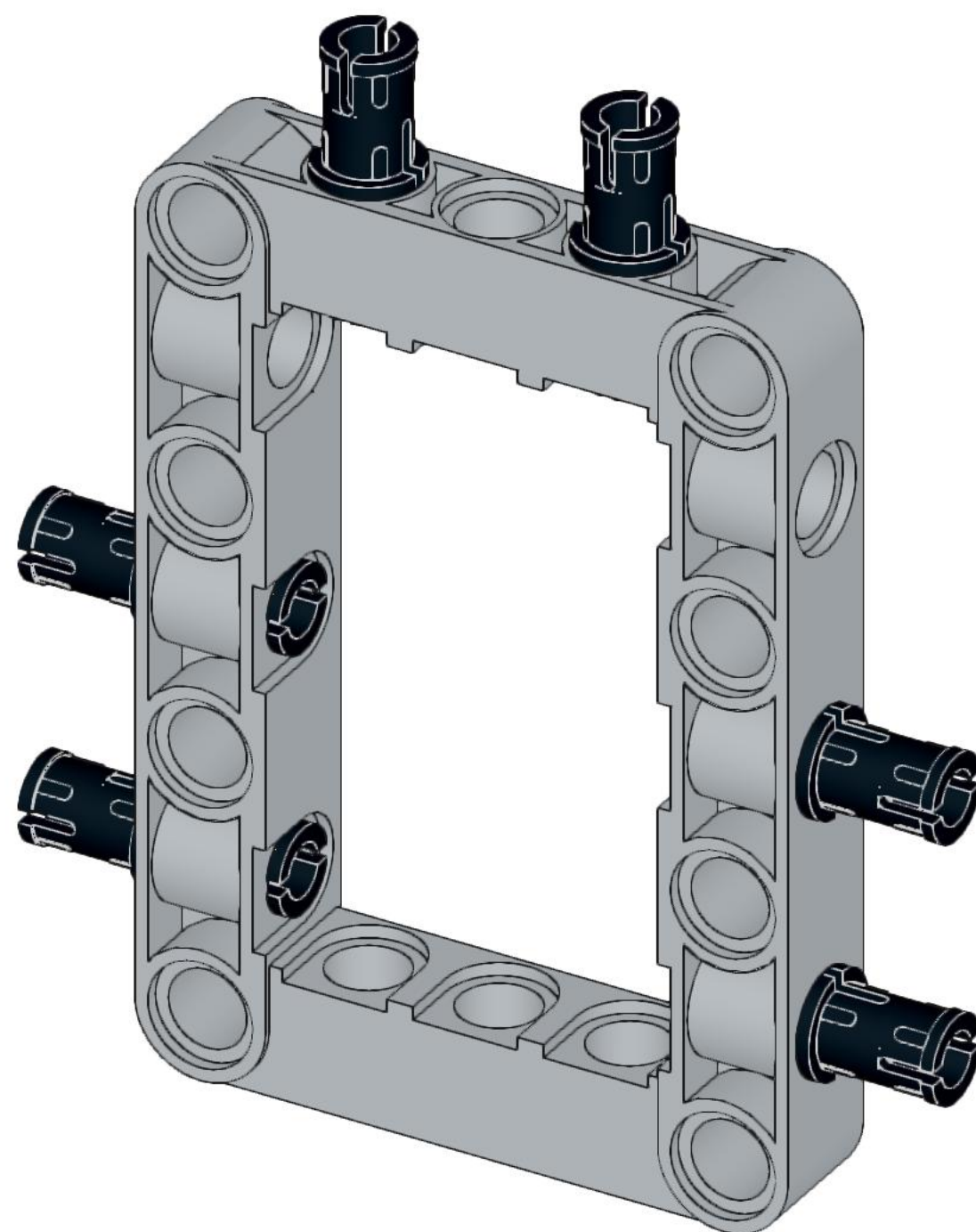
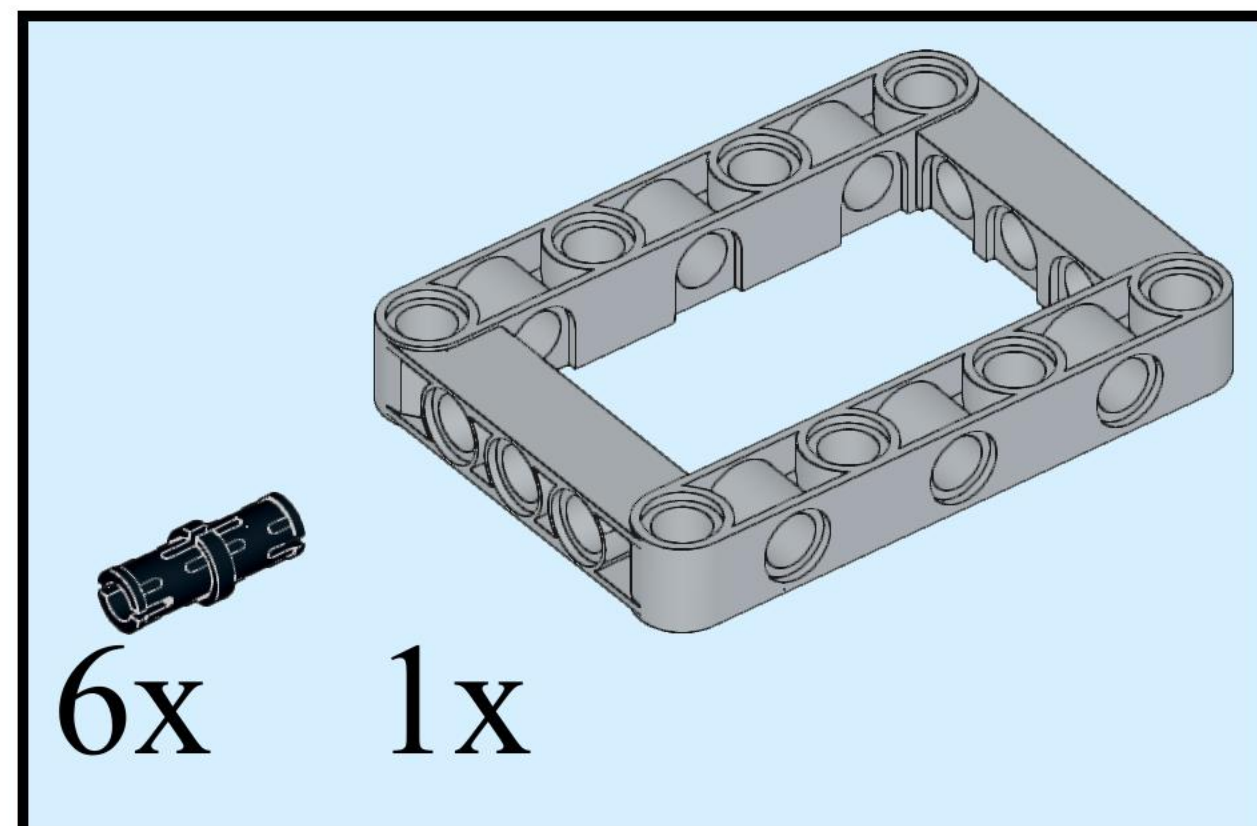
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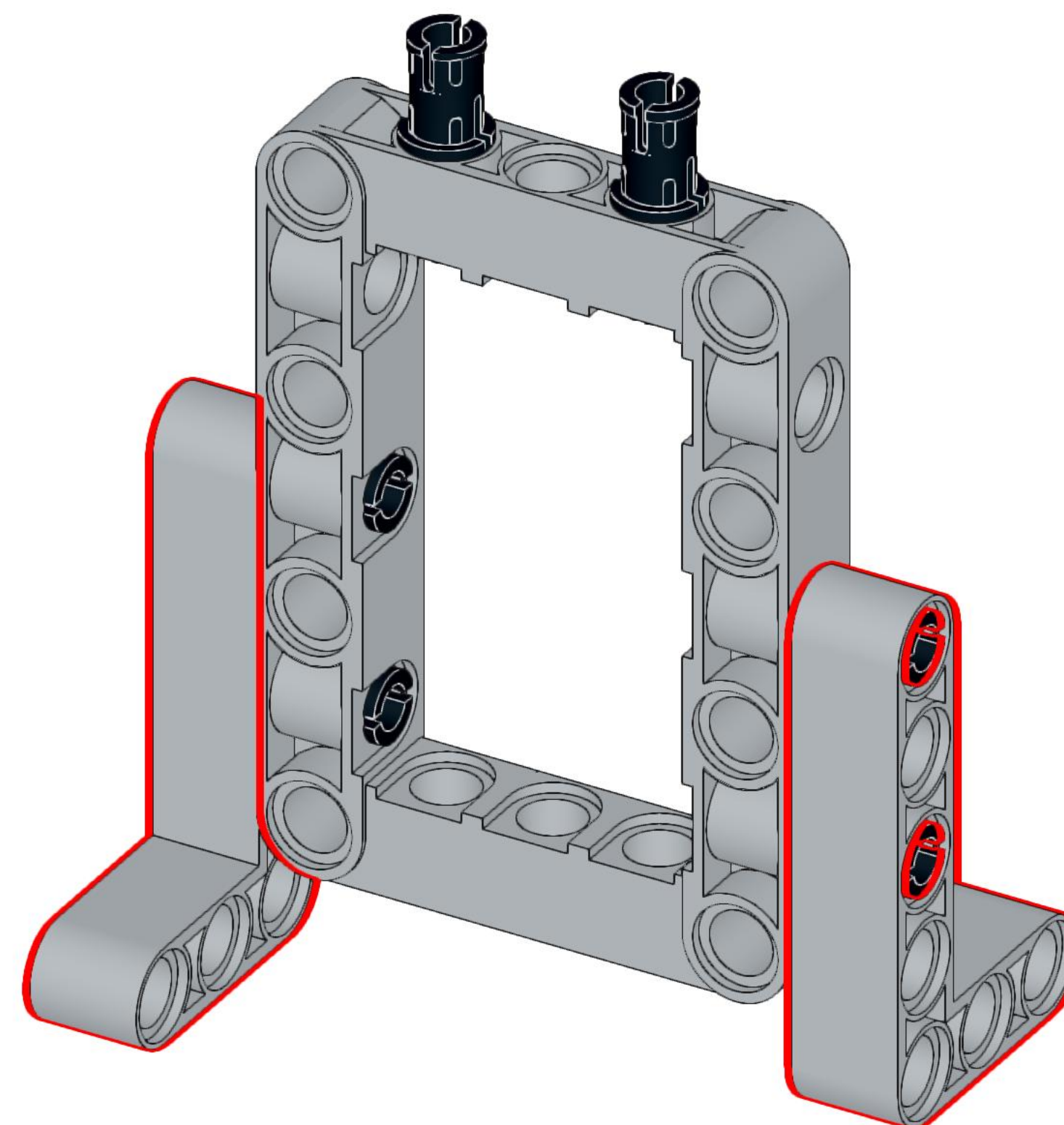
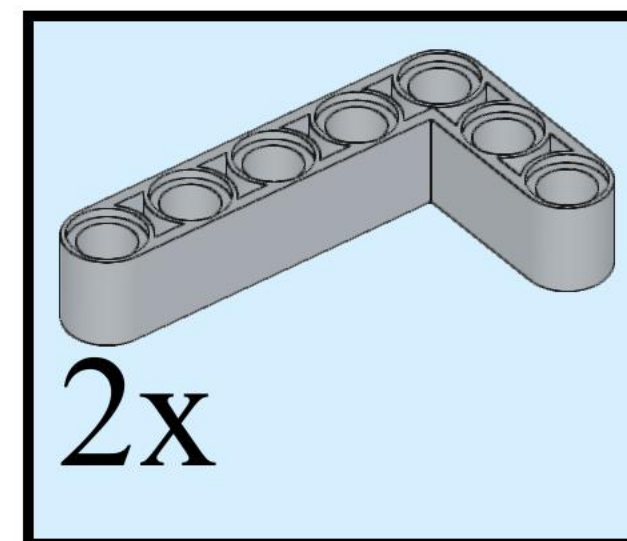
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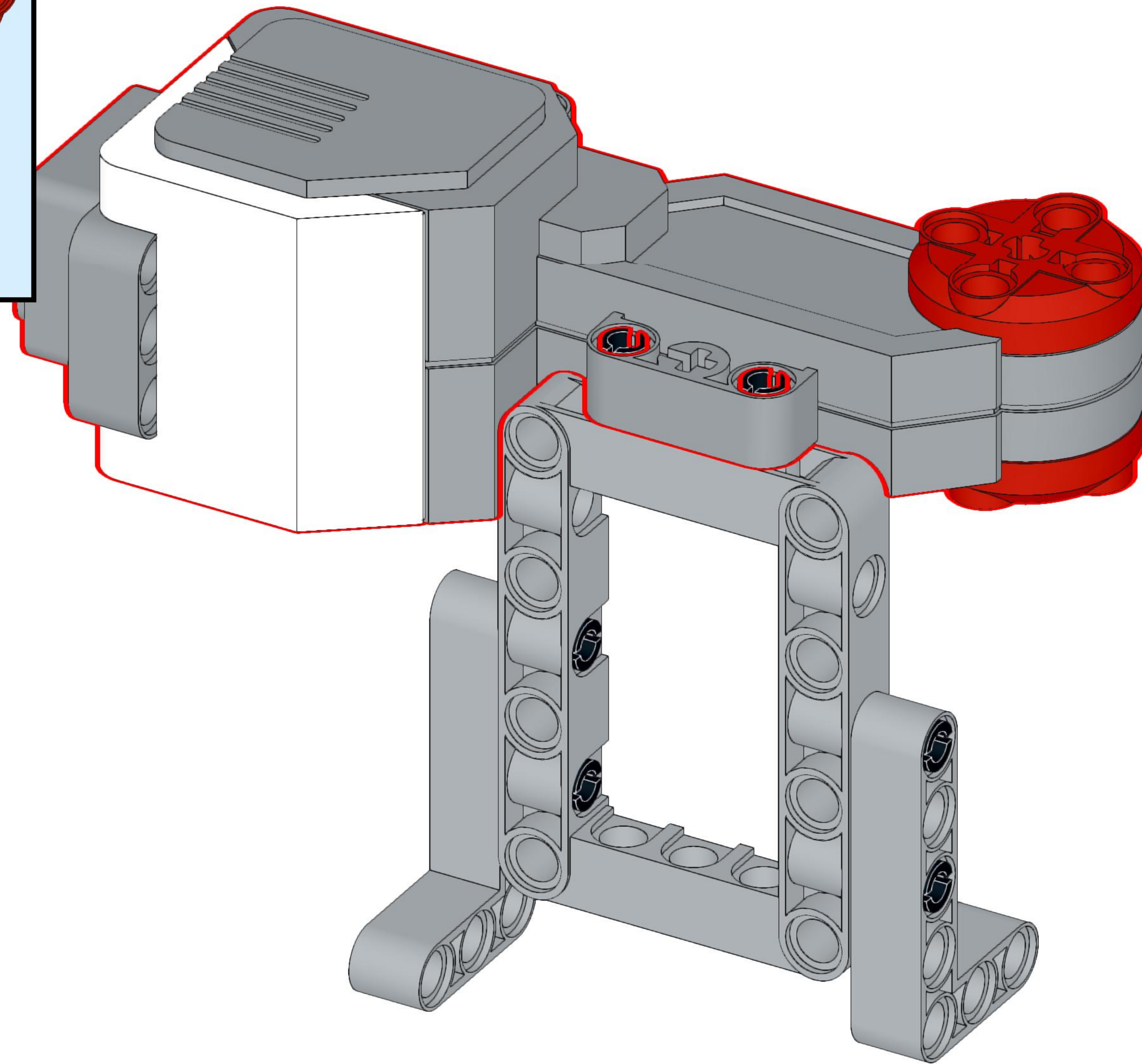
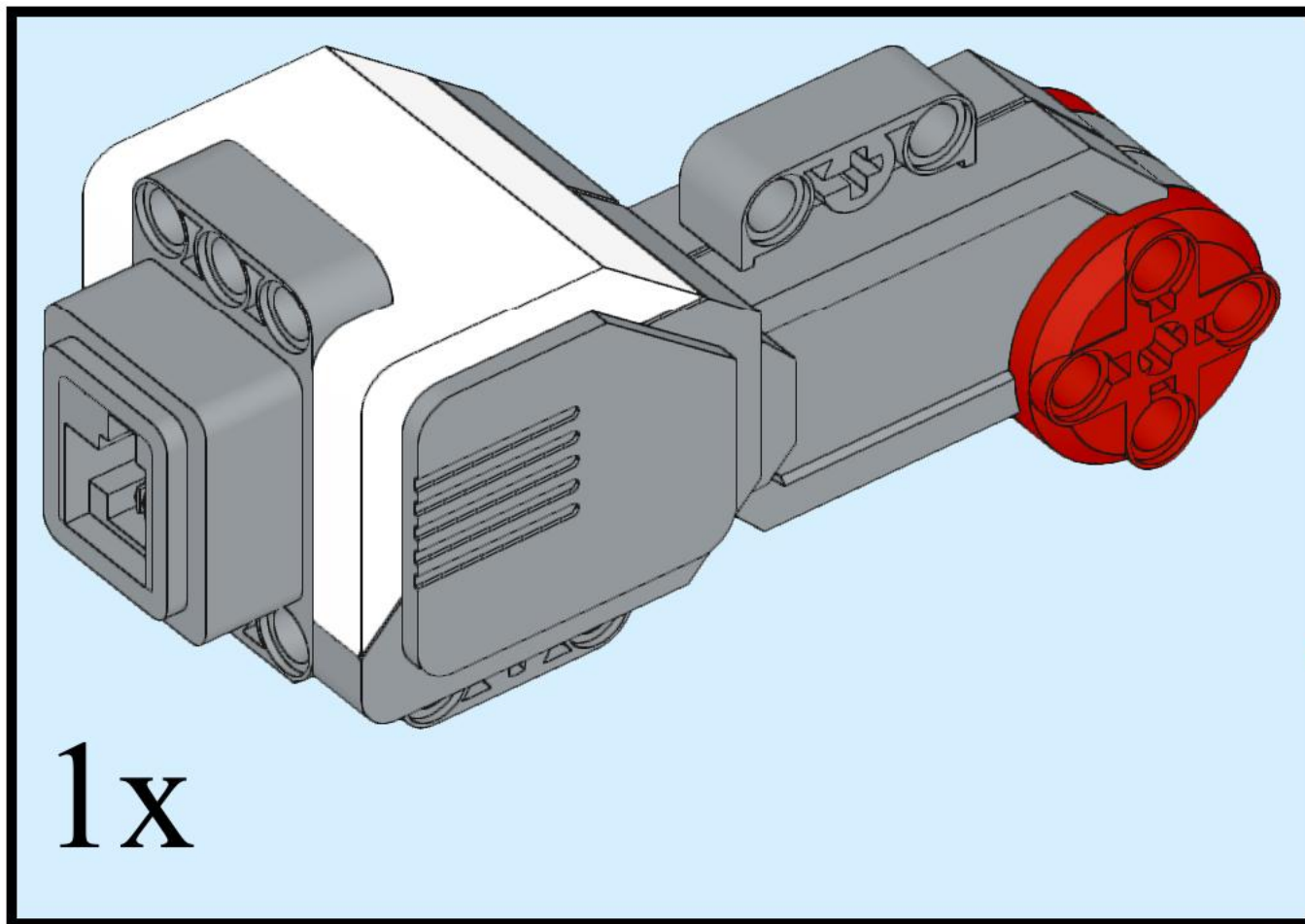
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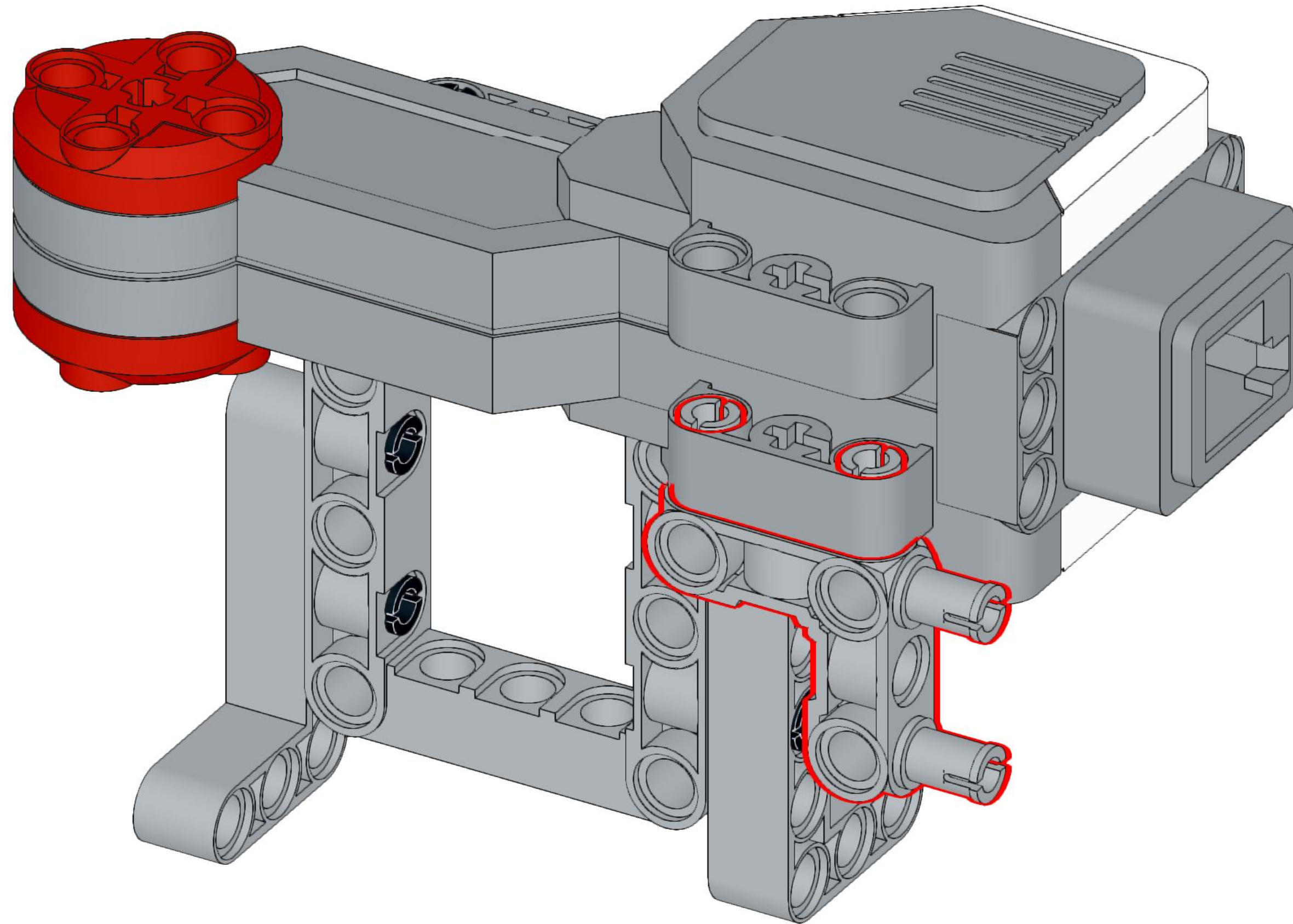
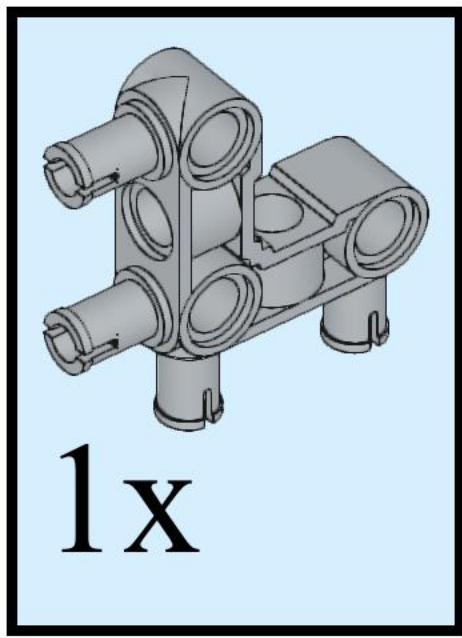
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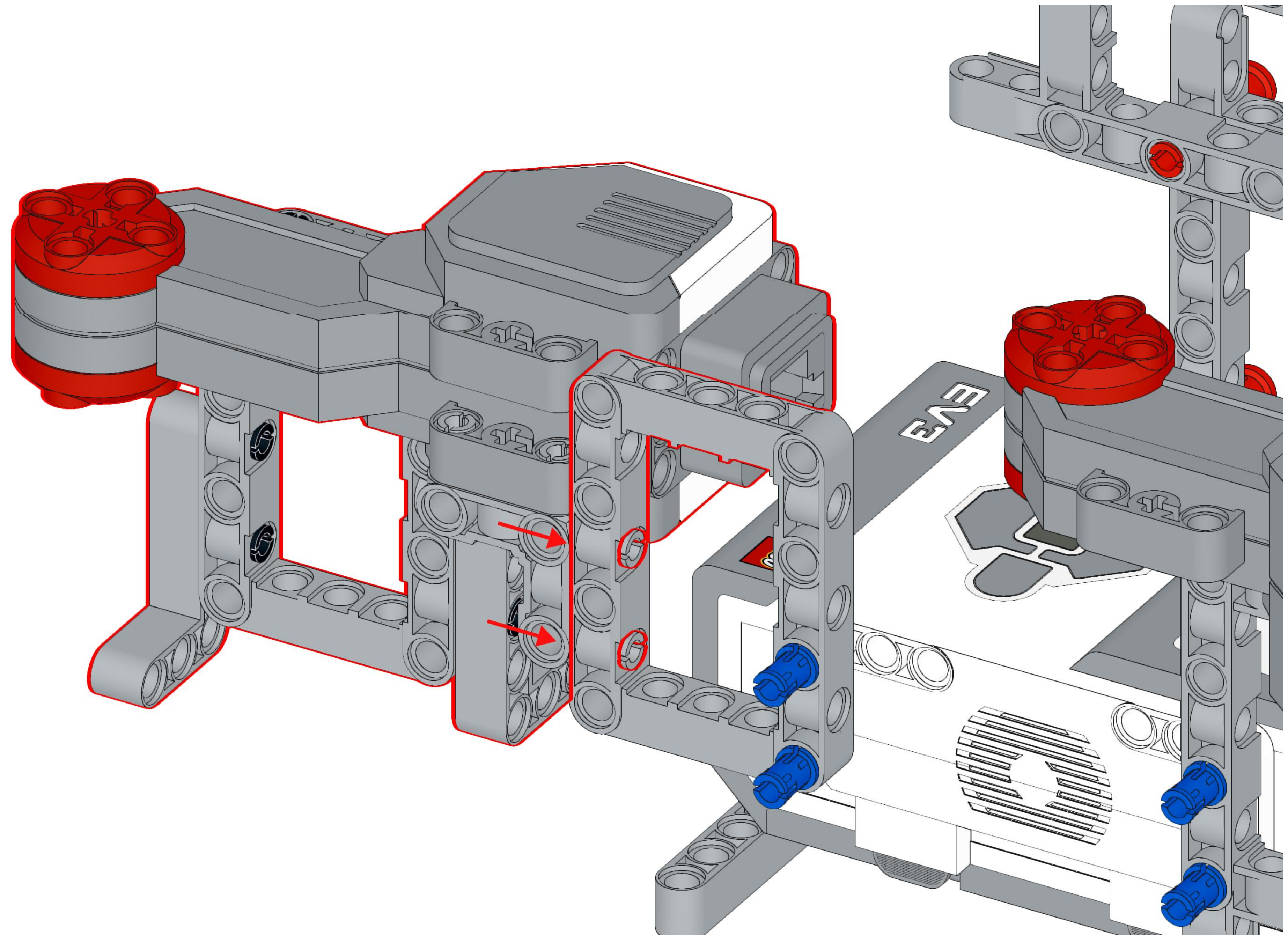


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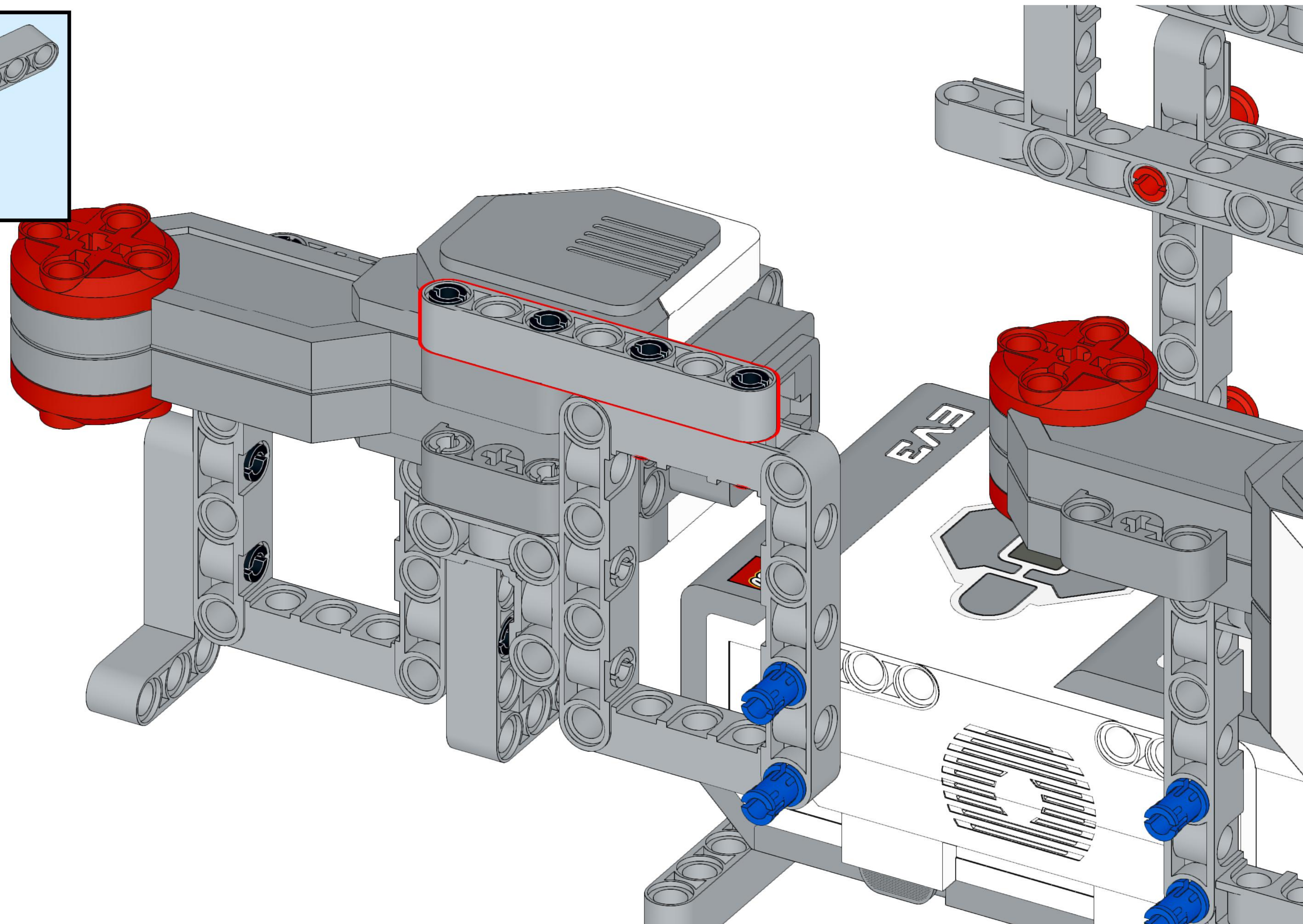
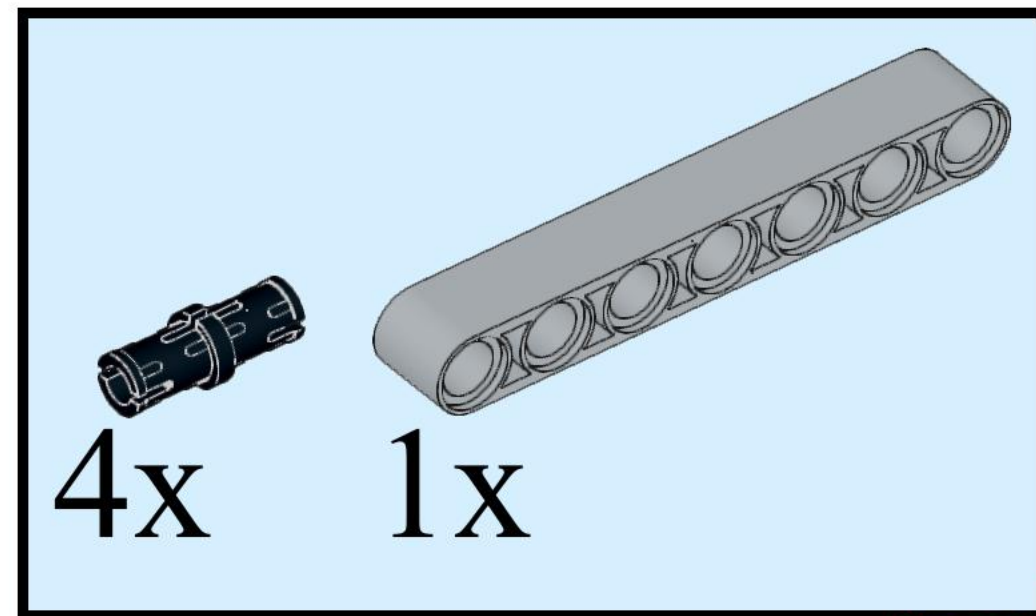


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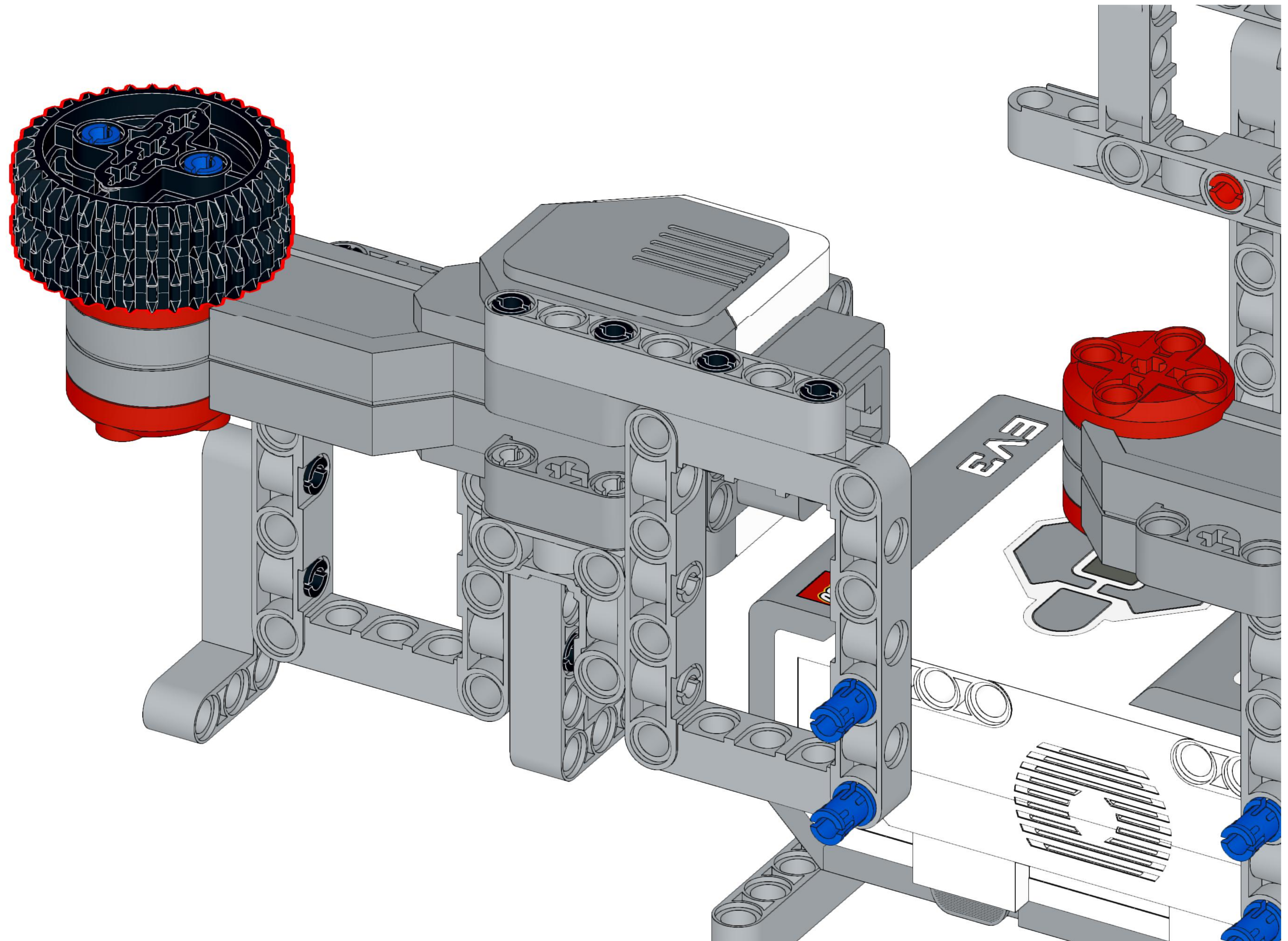
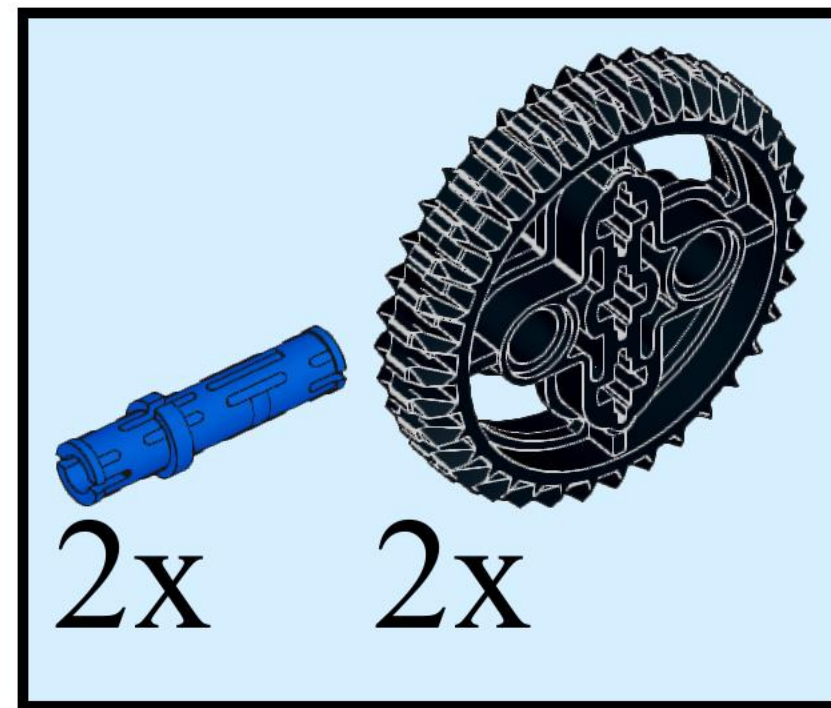




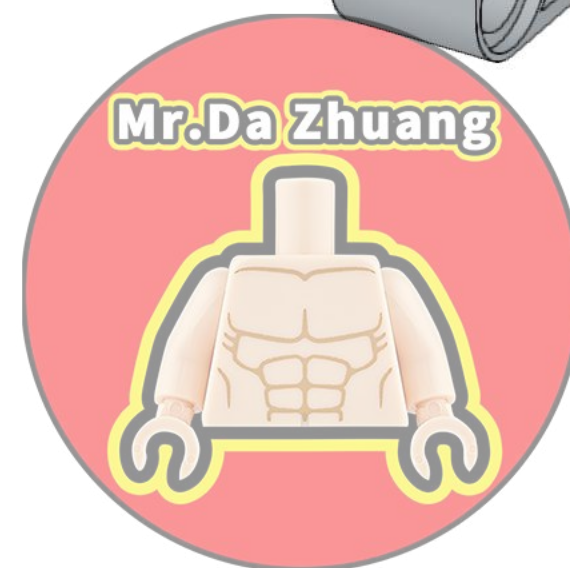
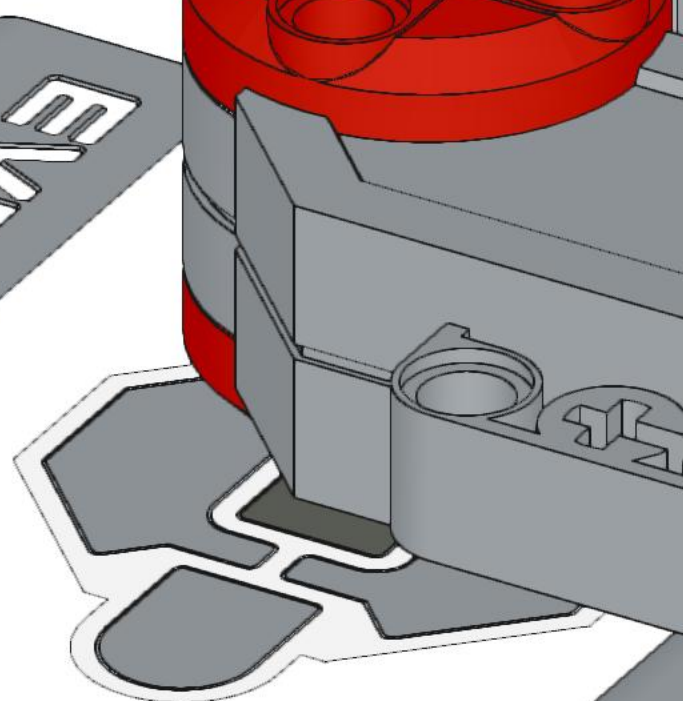
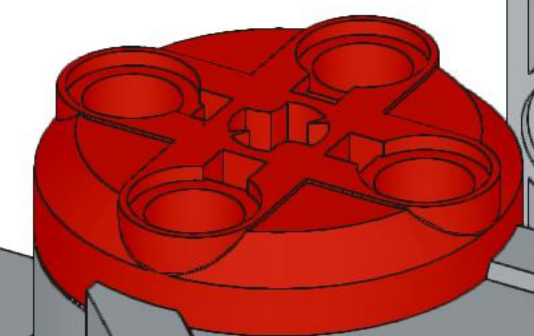
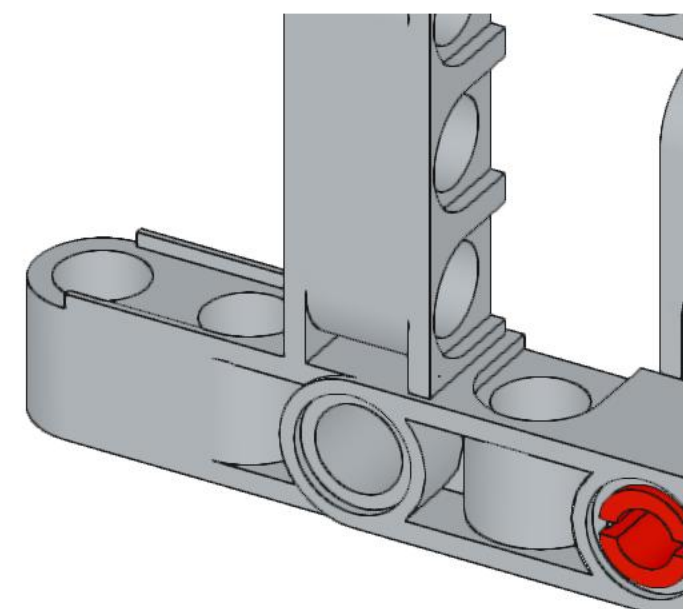
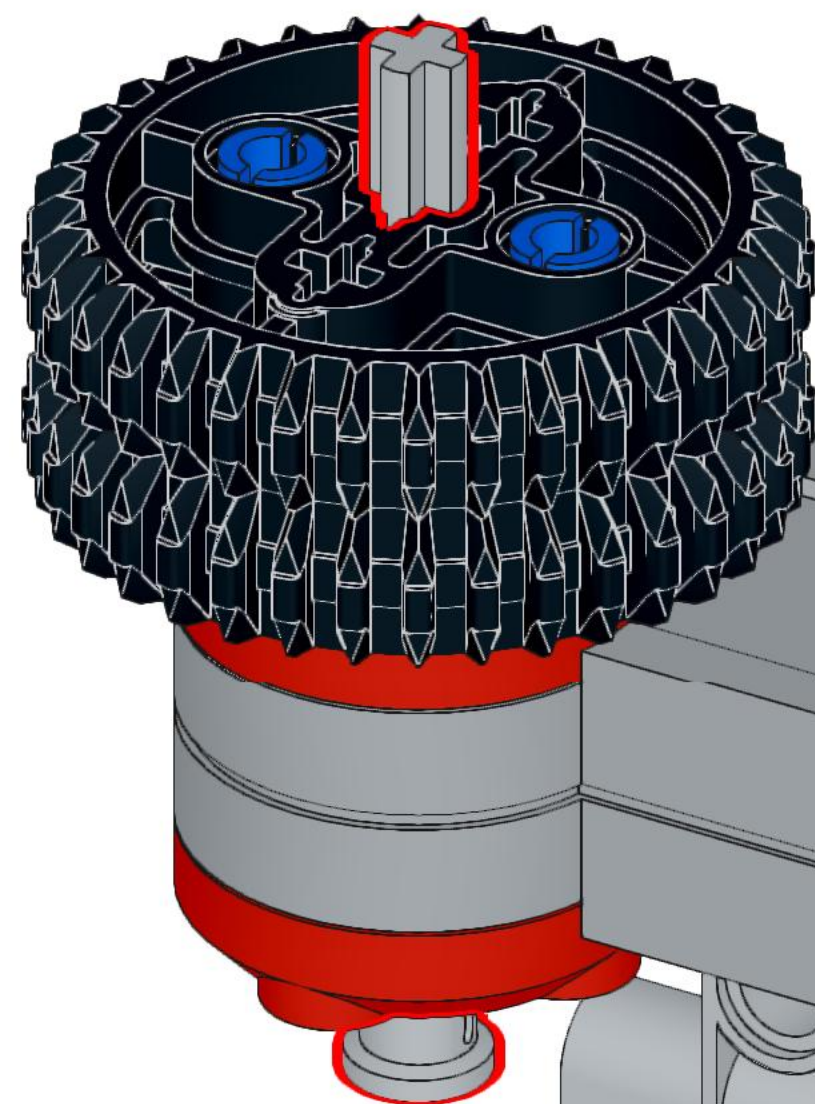
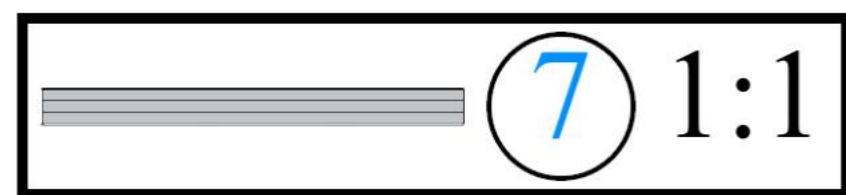
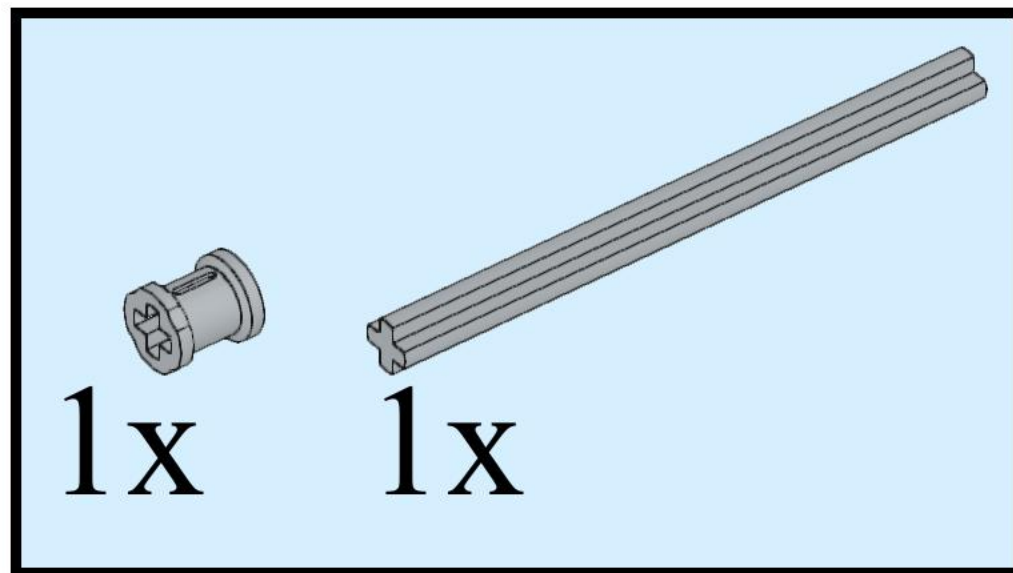
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16

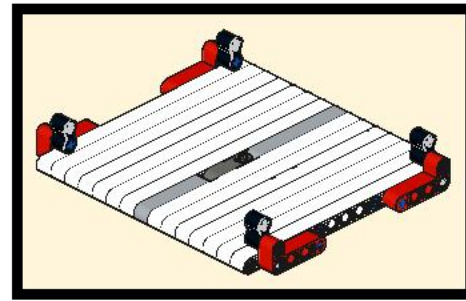
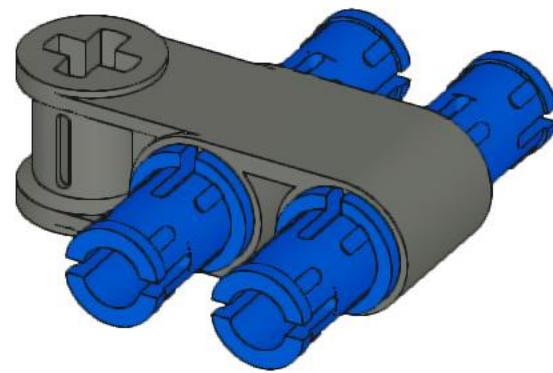
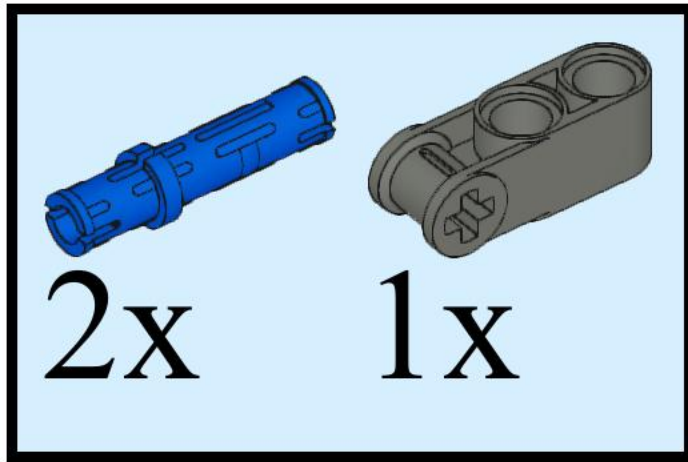


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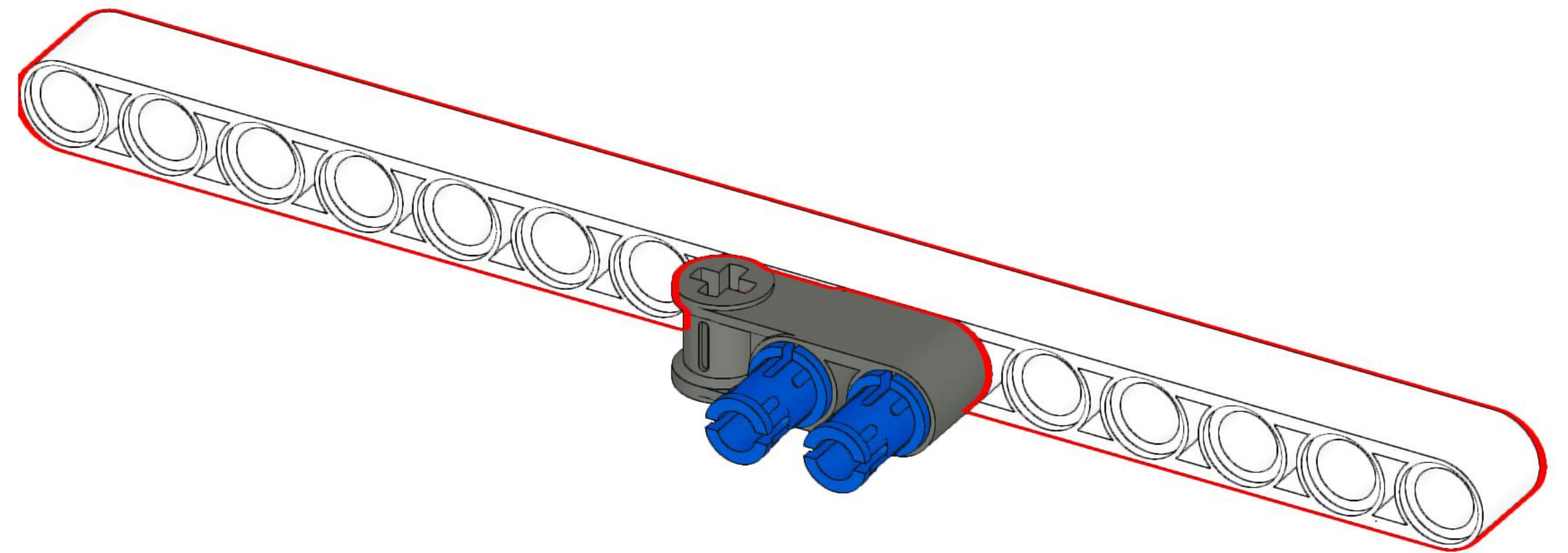
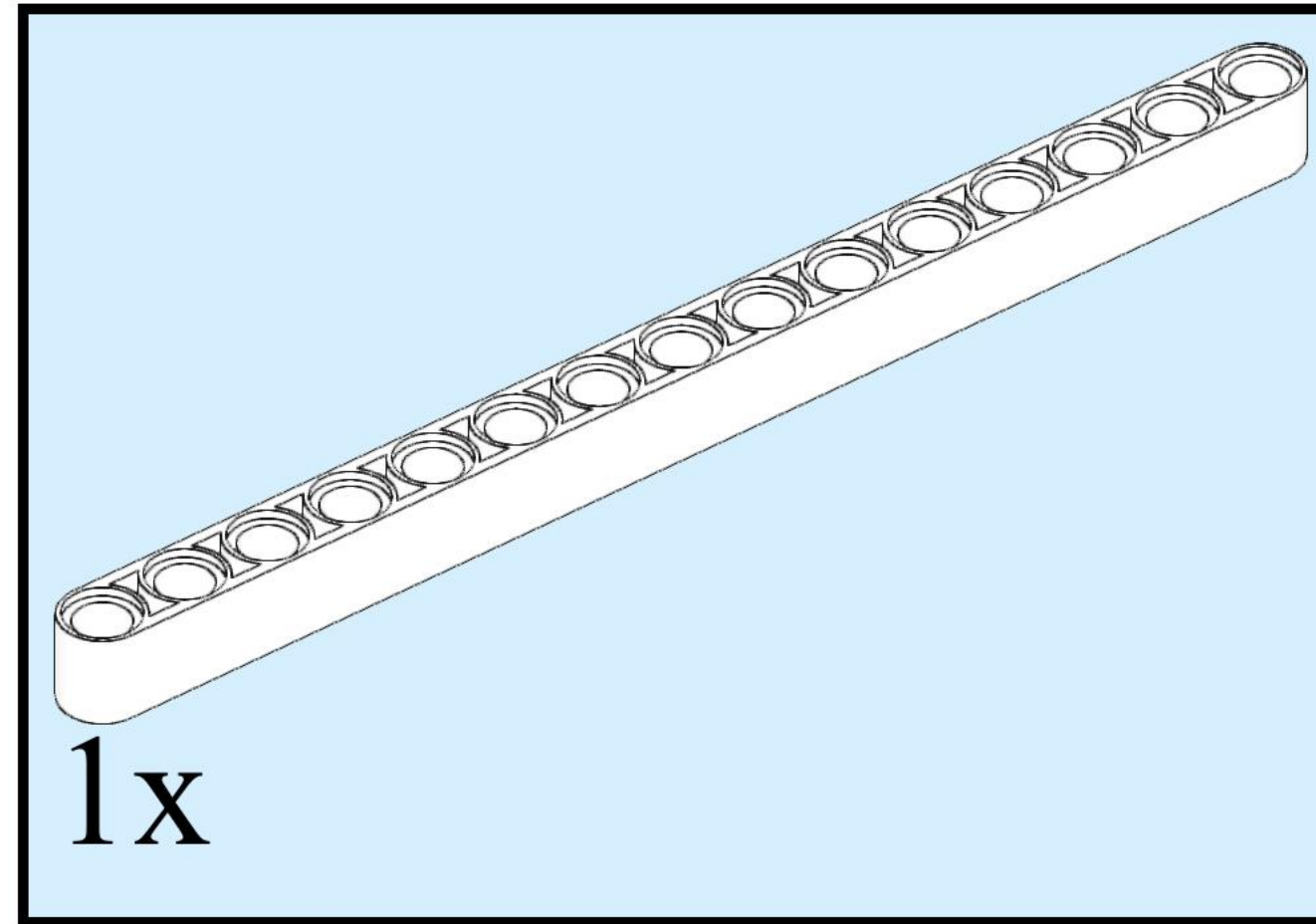


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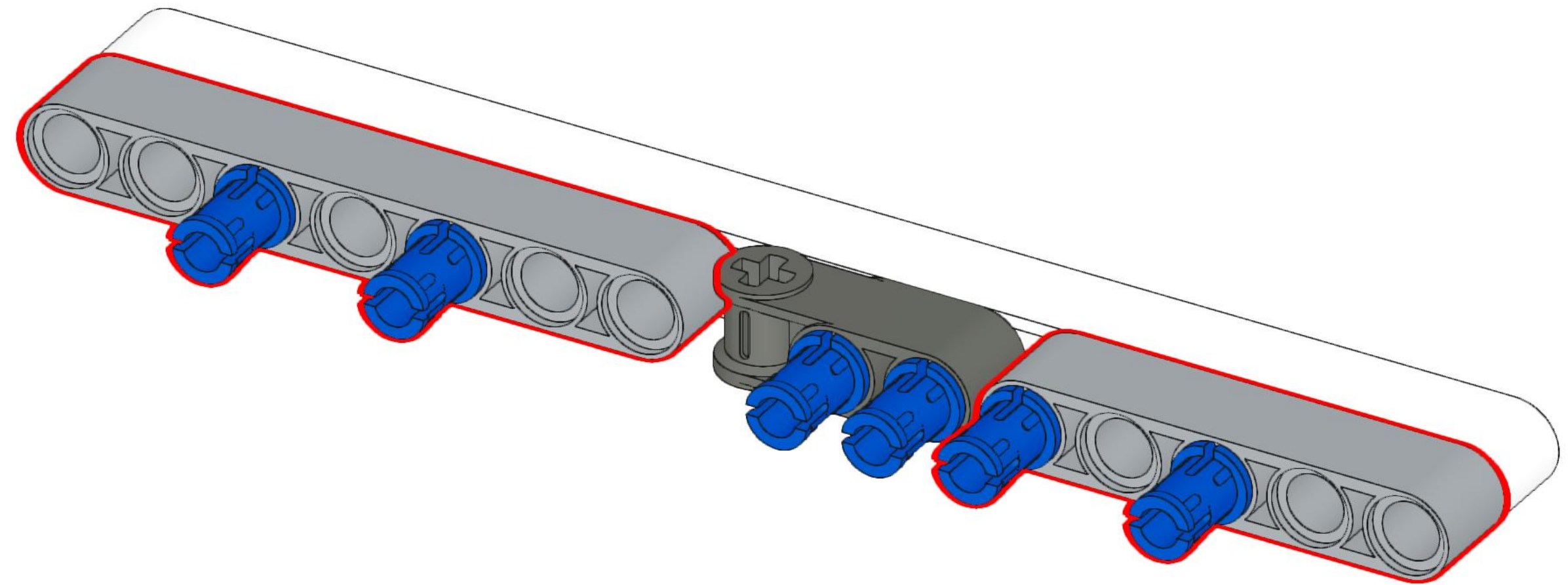
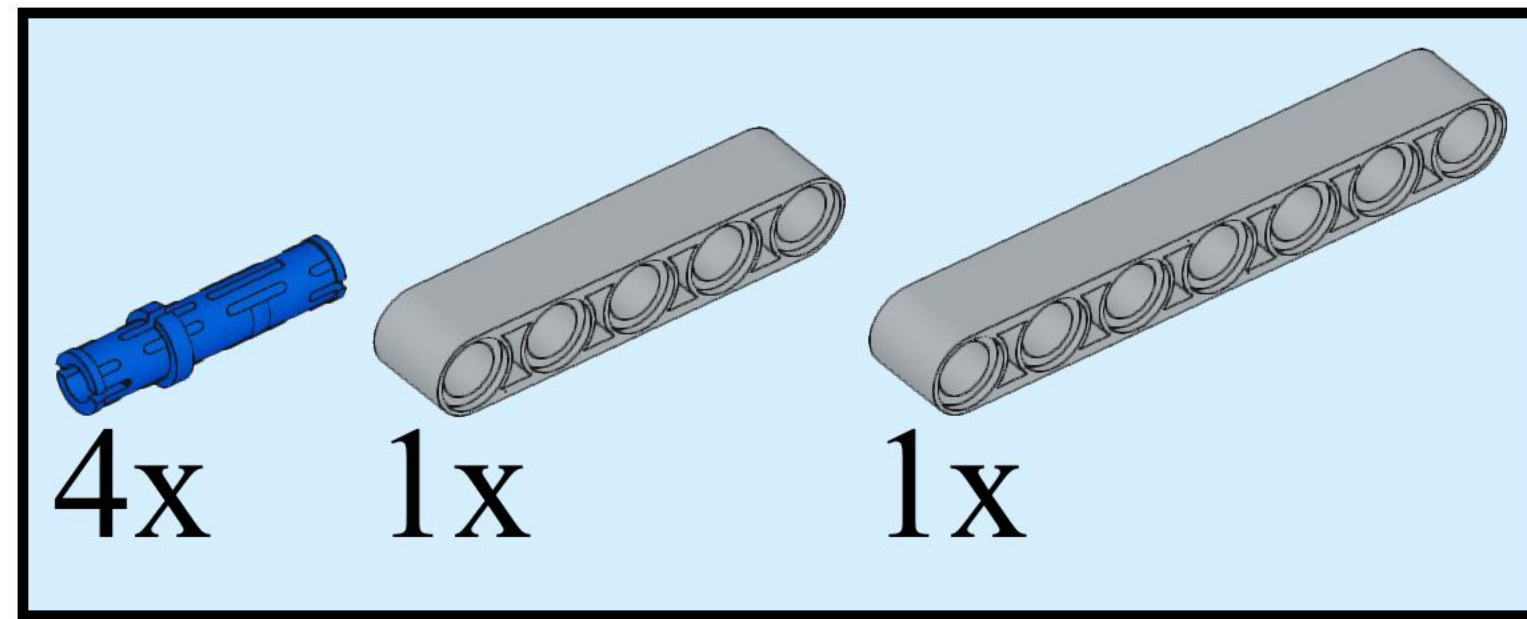
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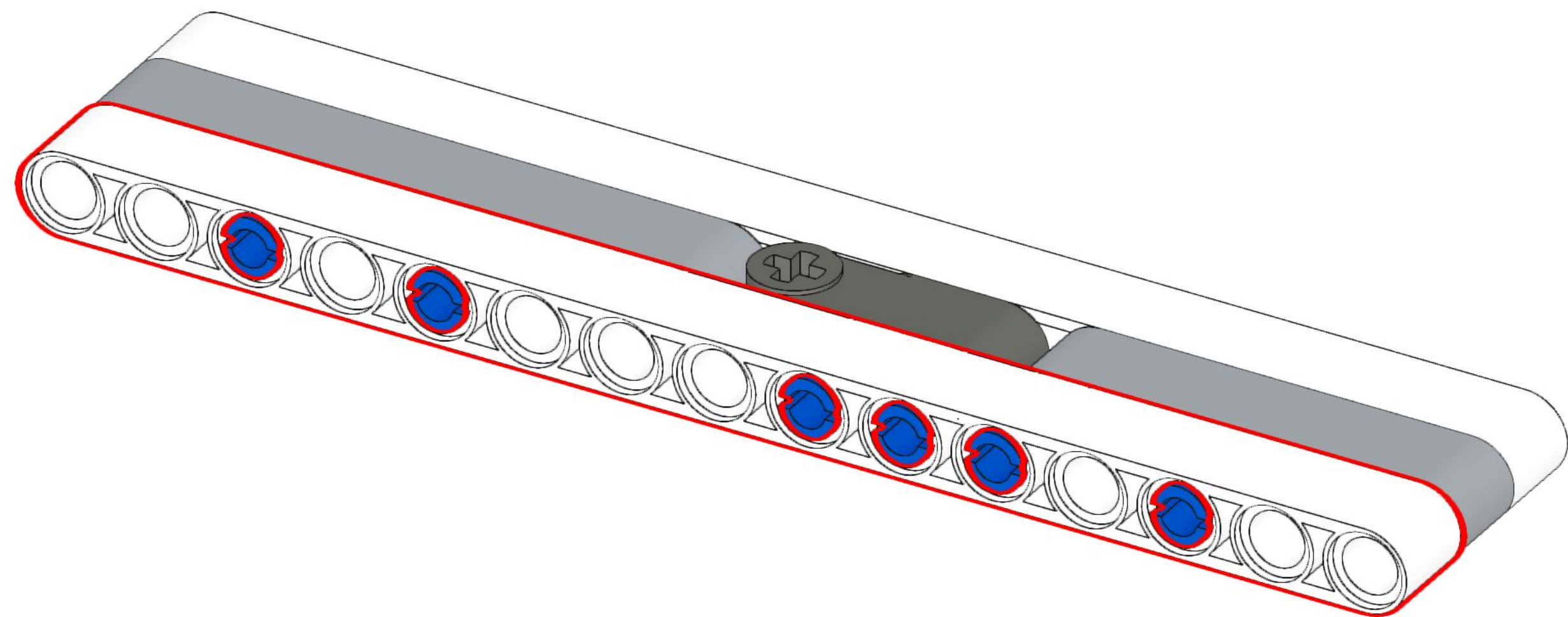
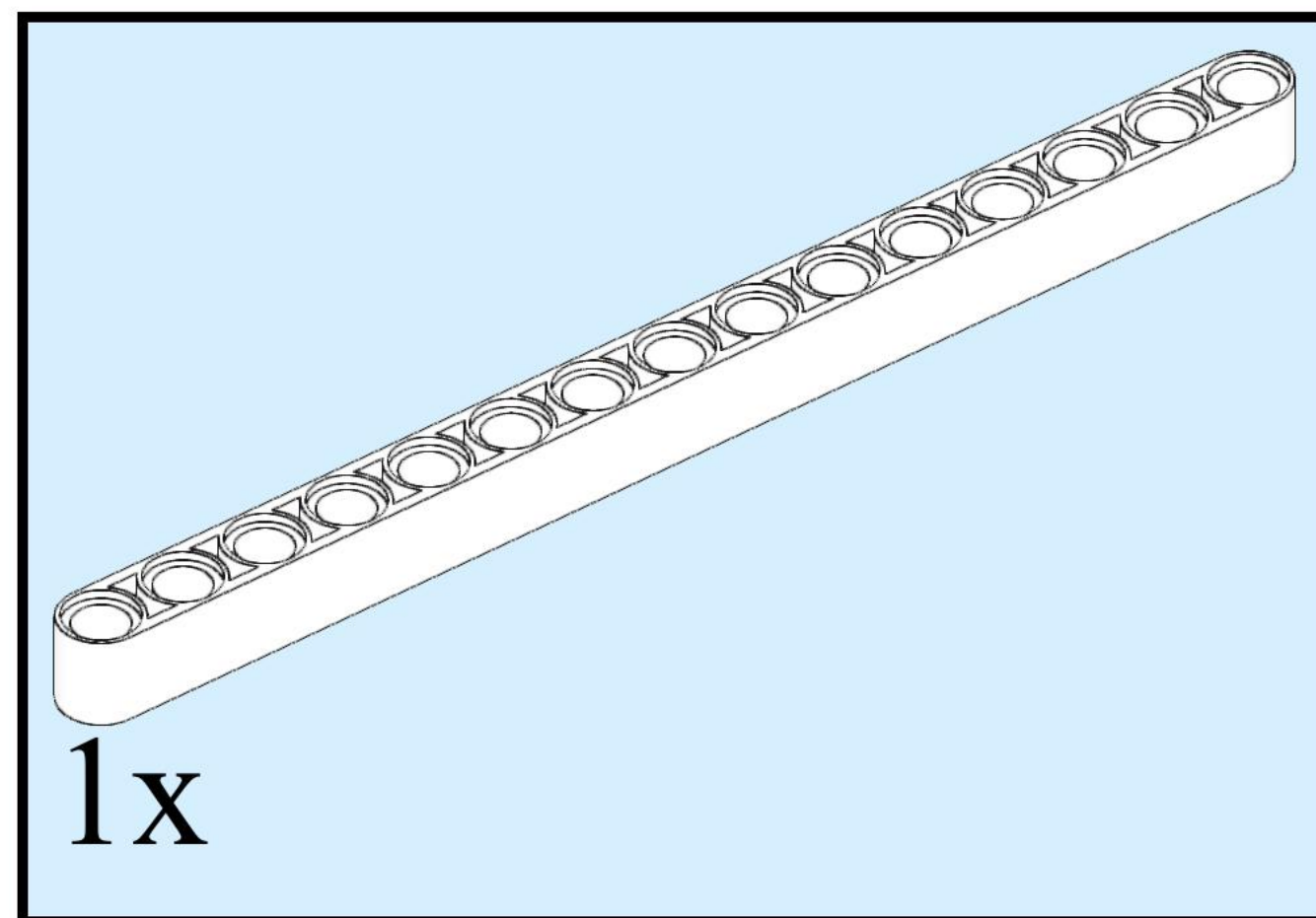
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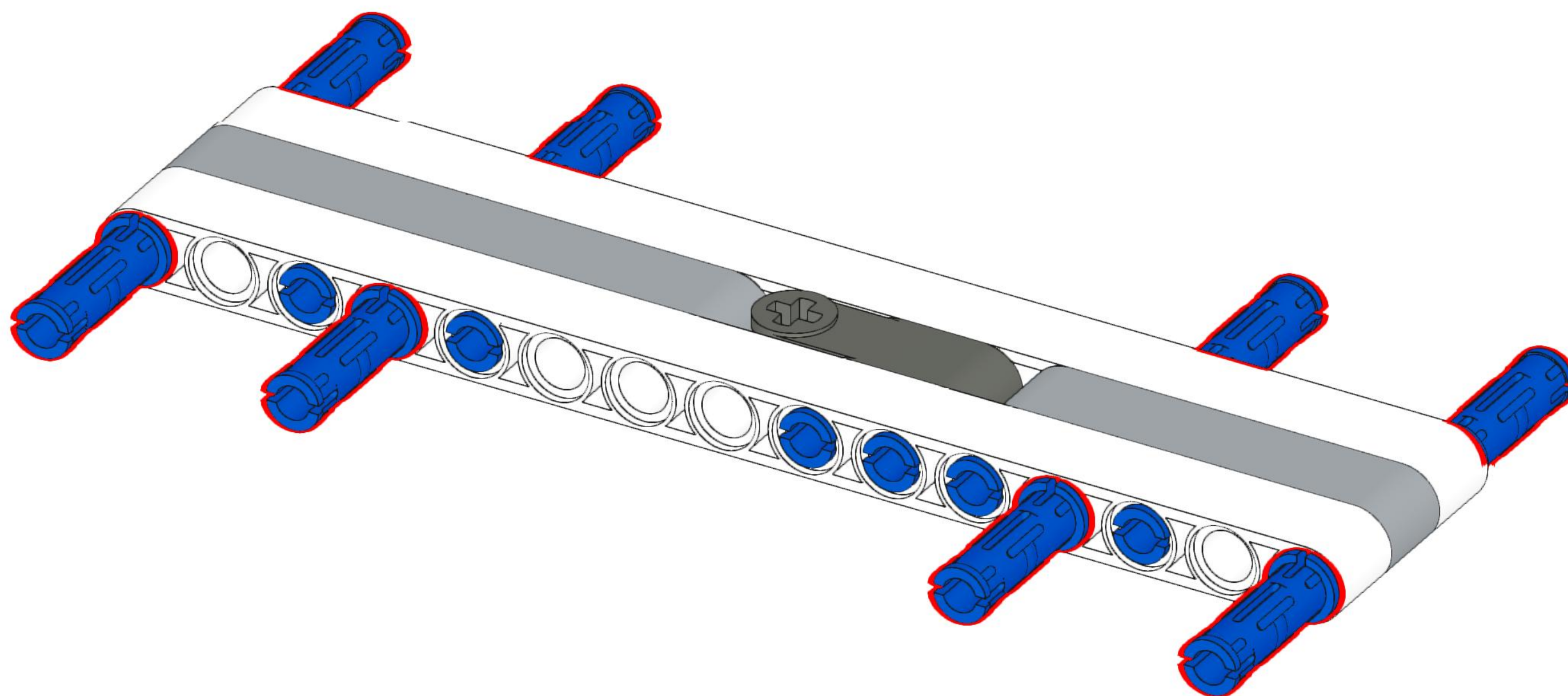
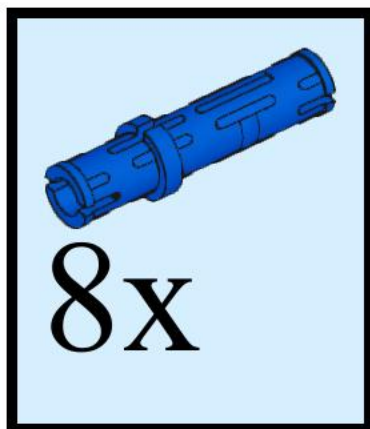
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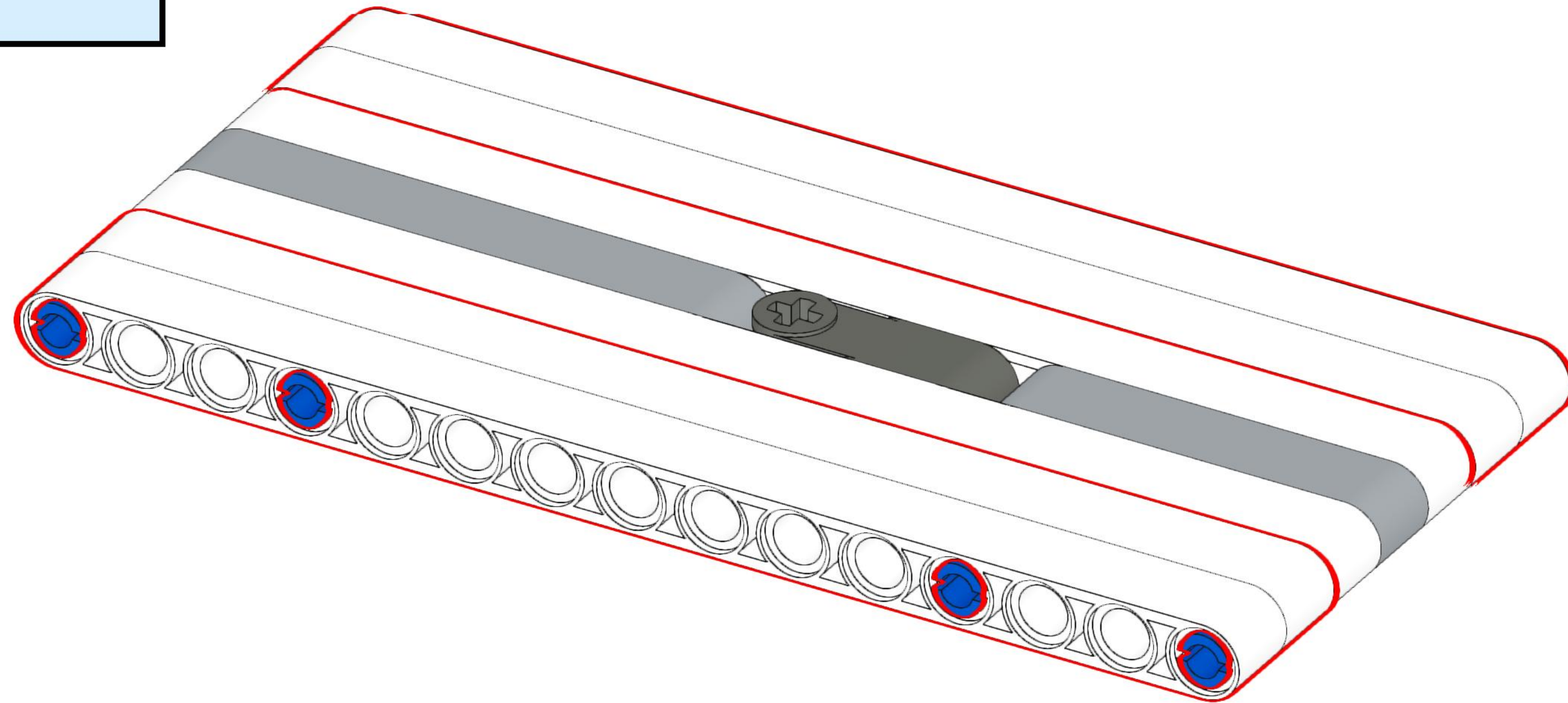
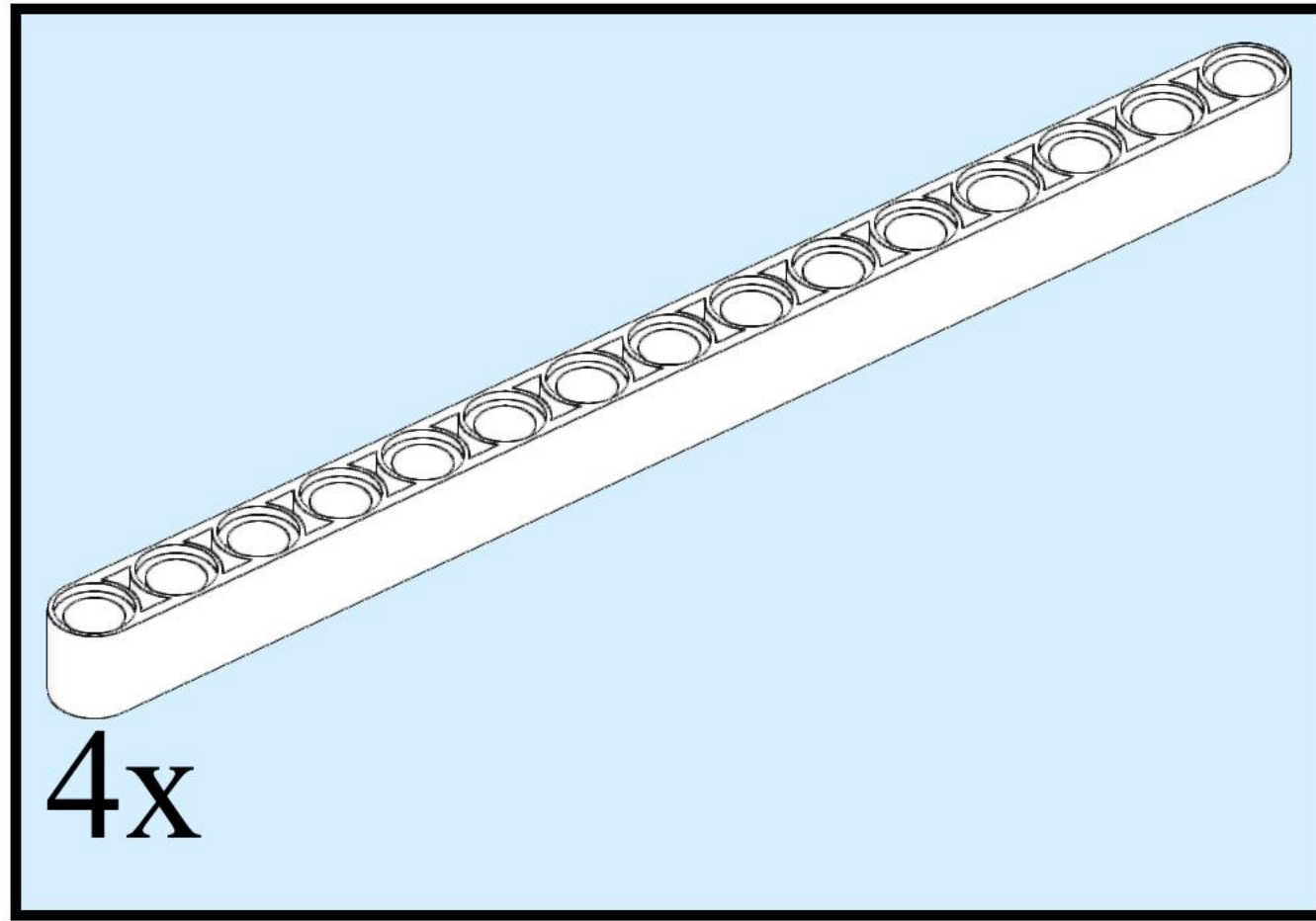
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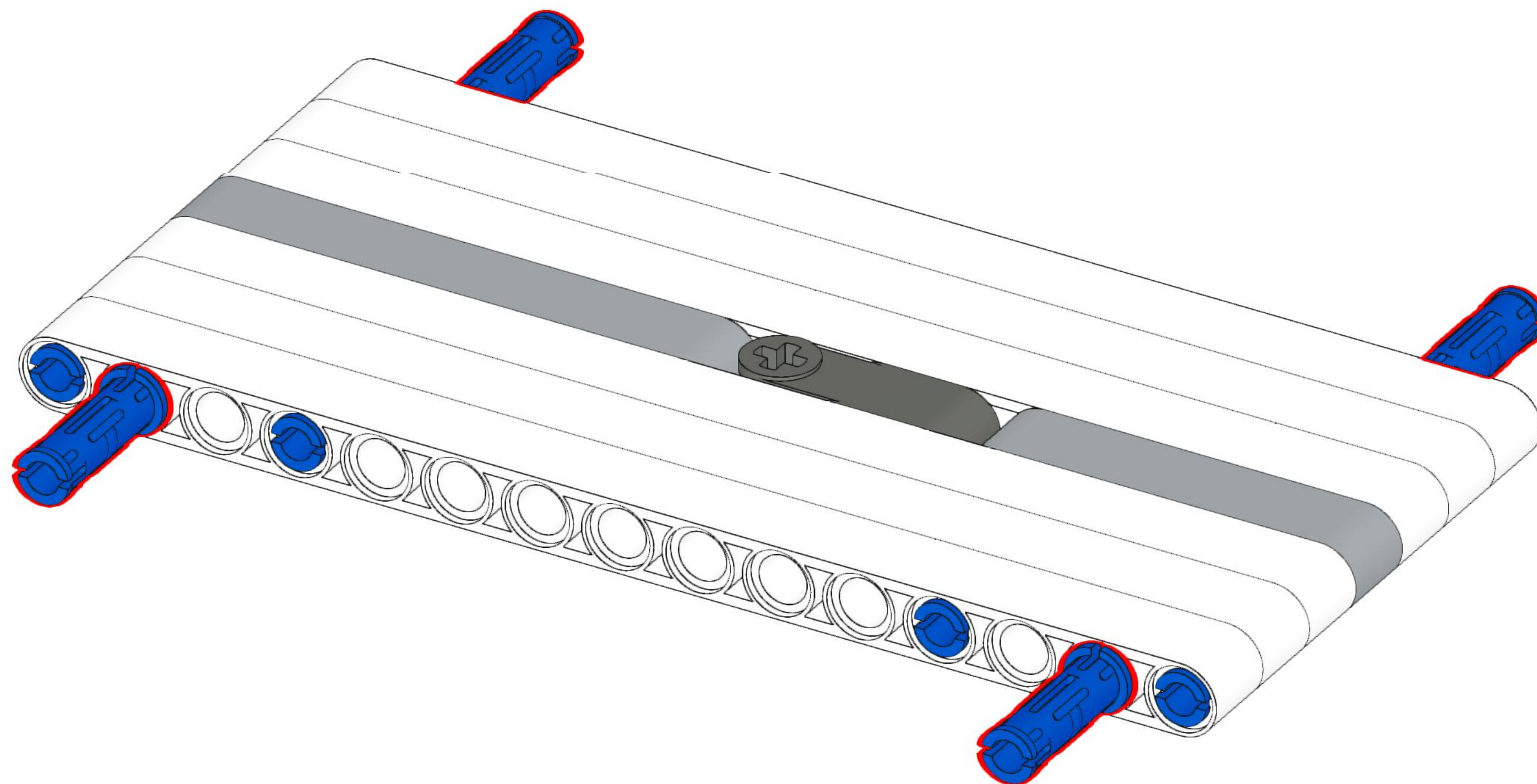
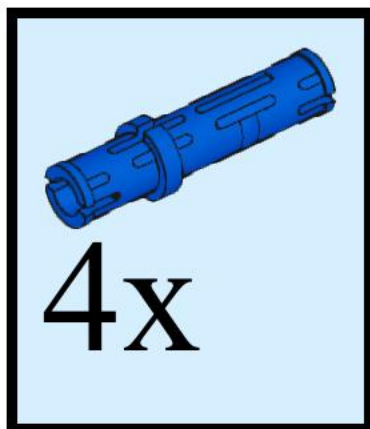
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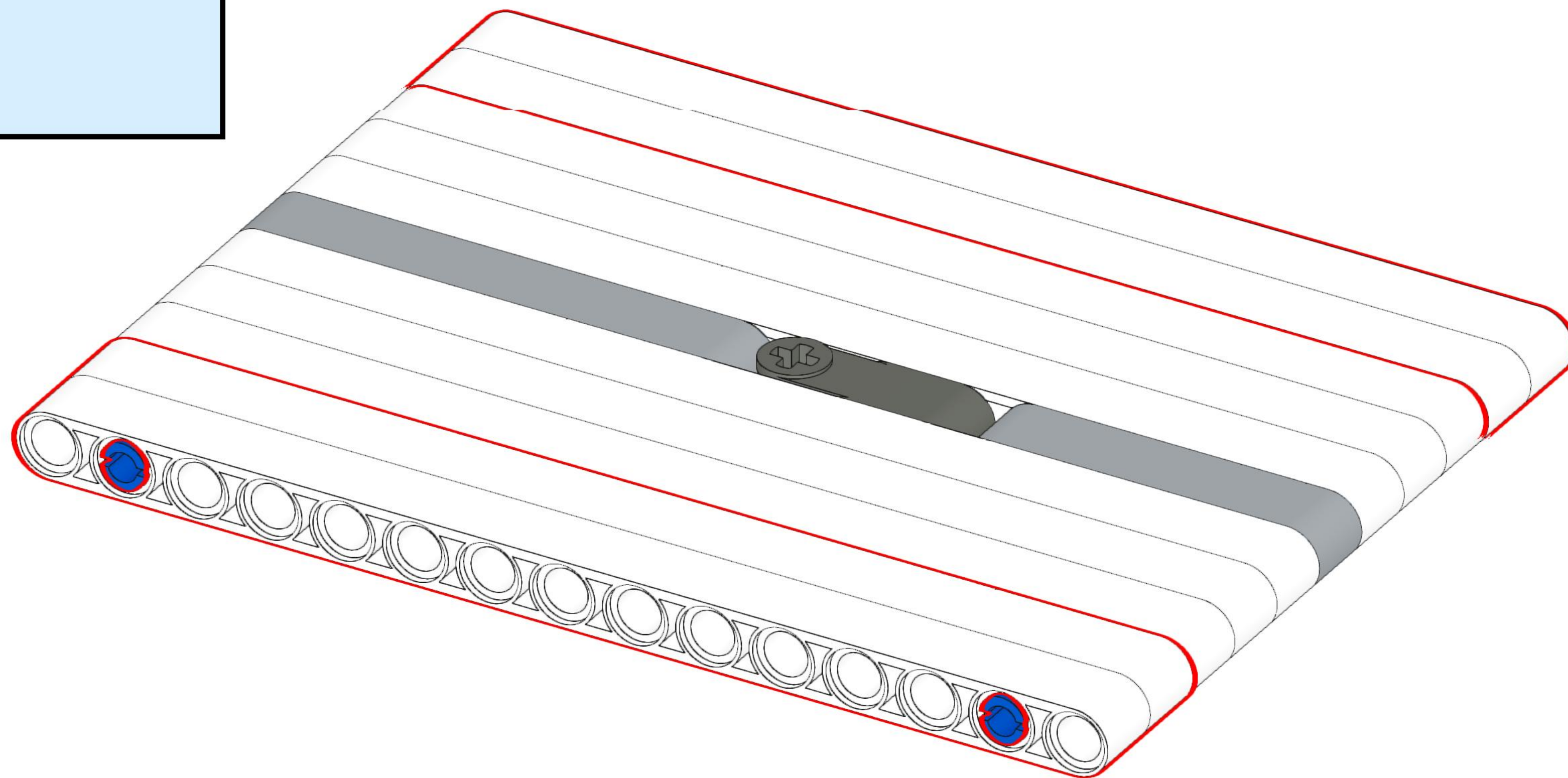
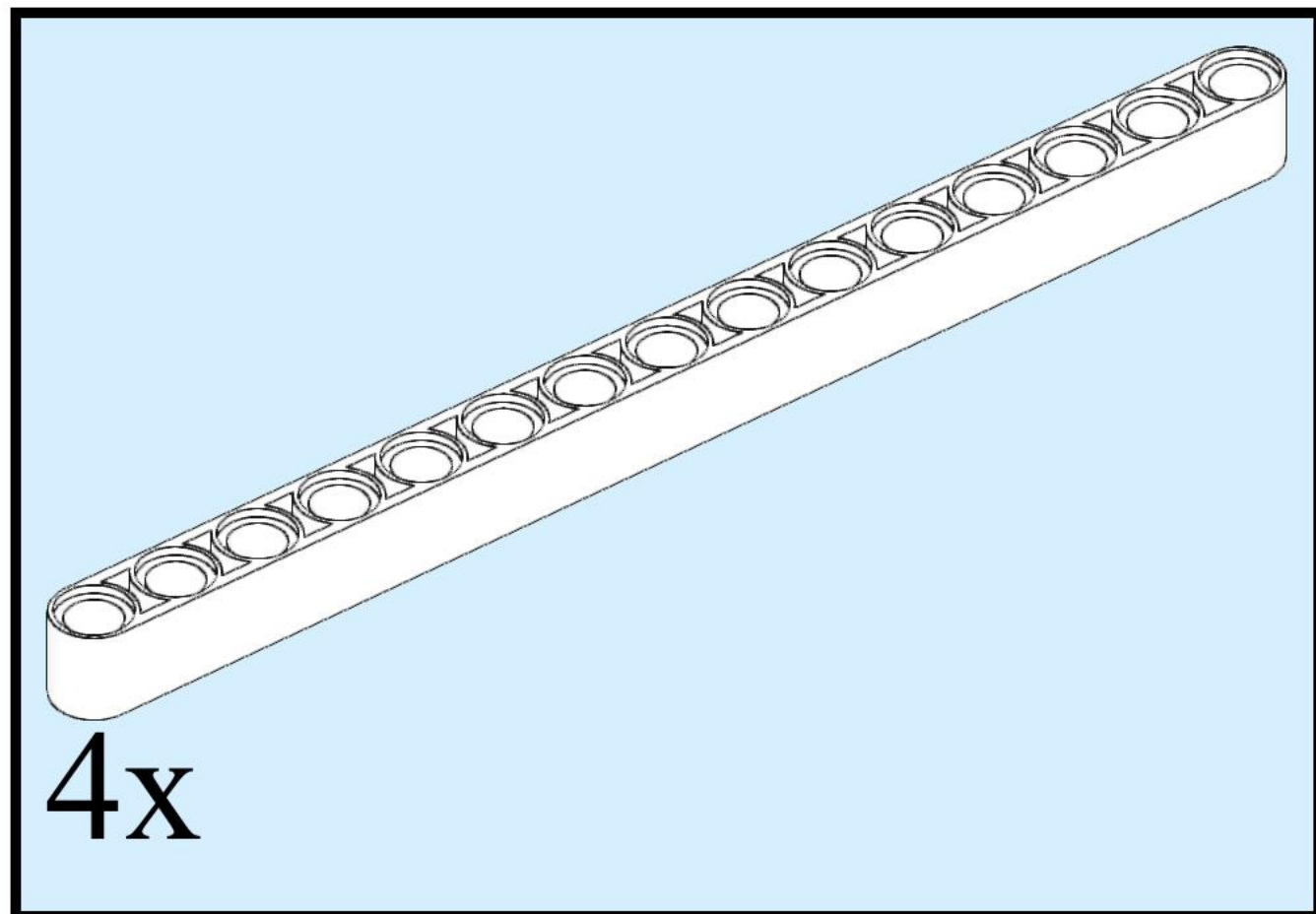
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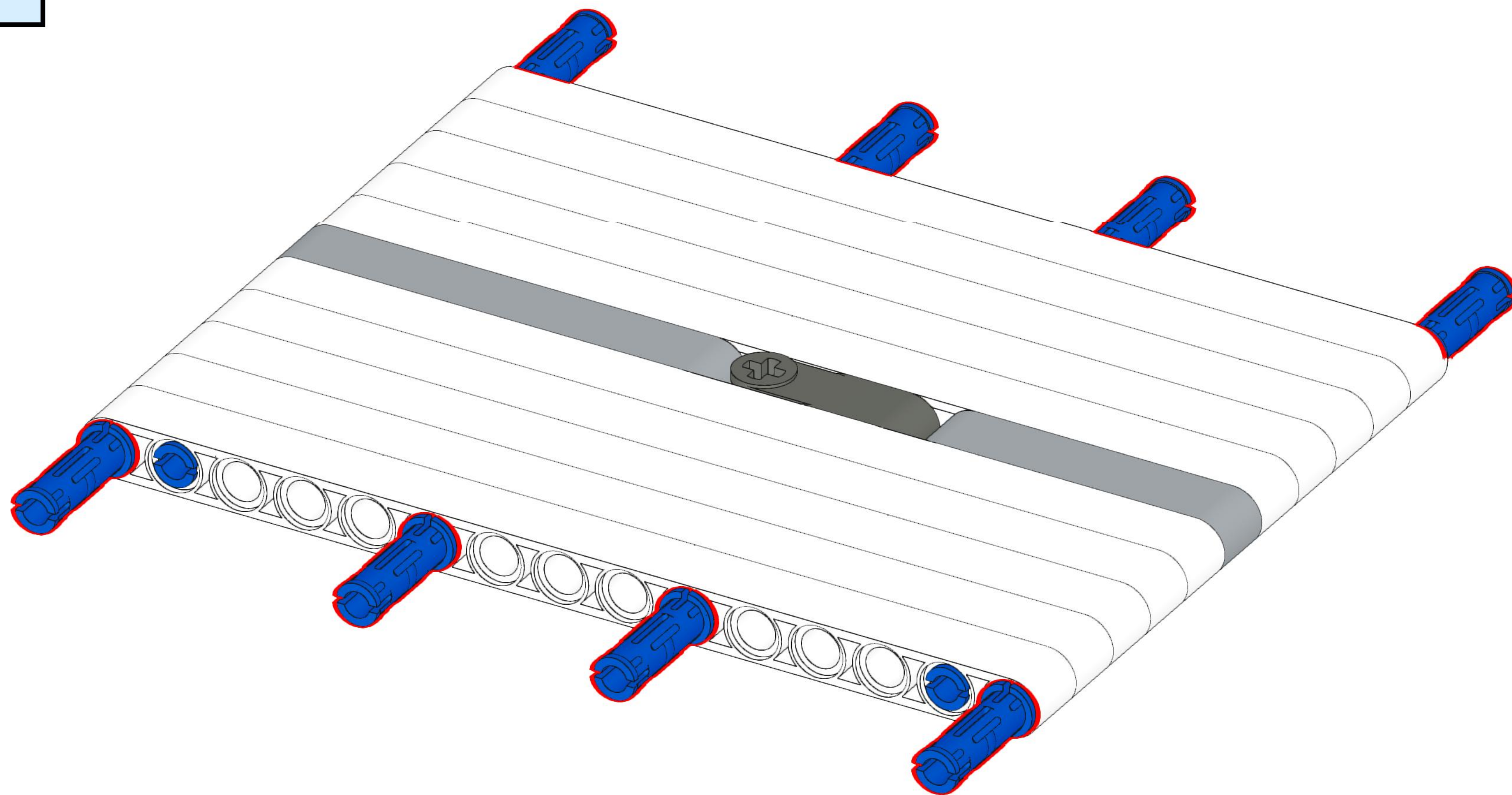
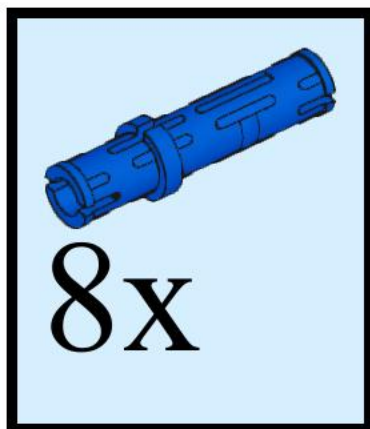
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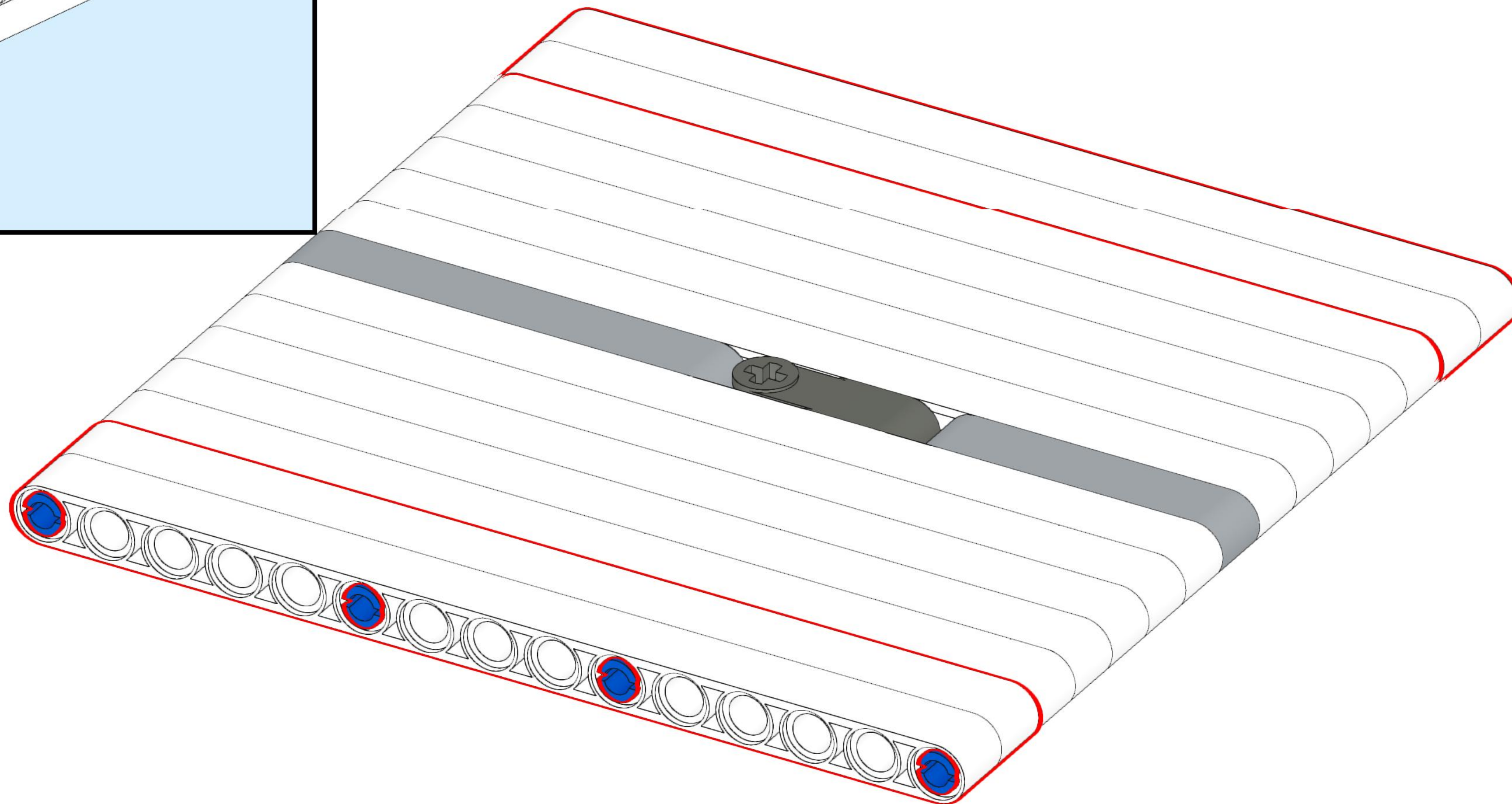
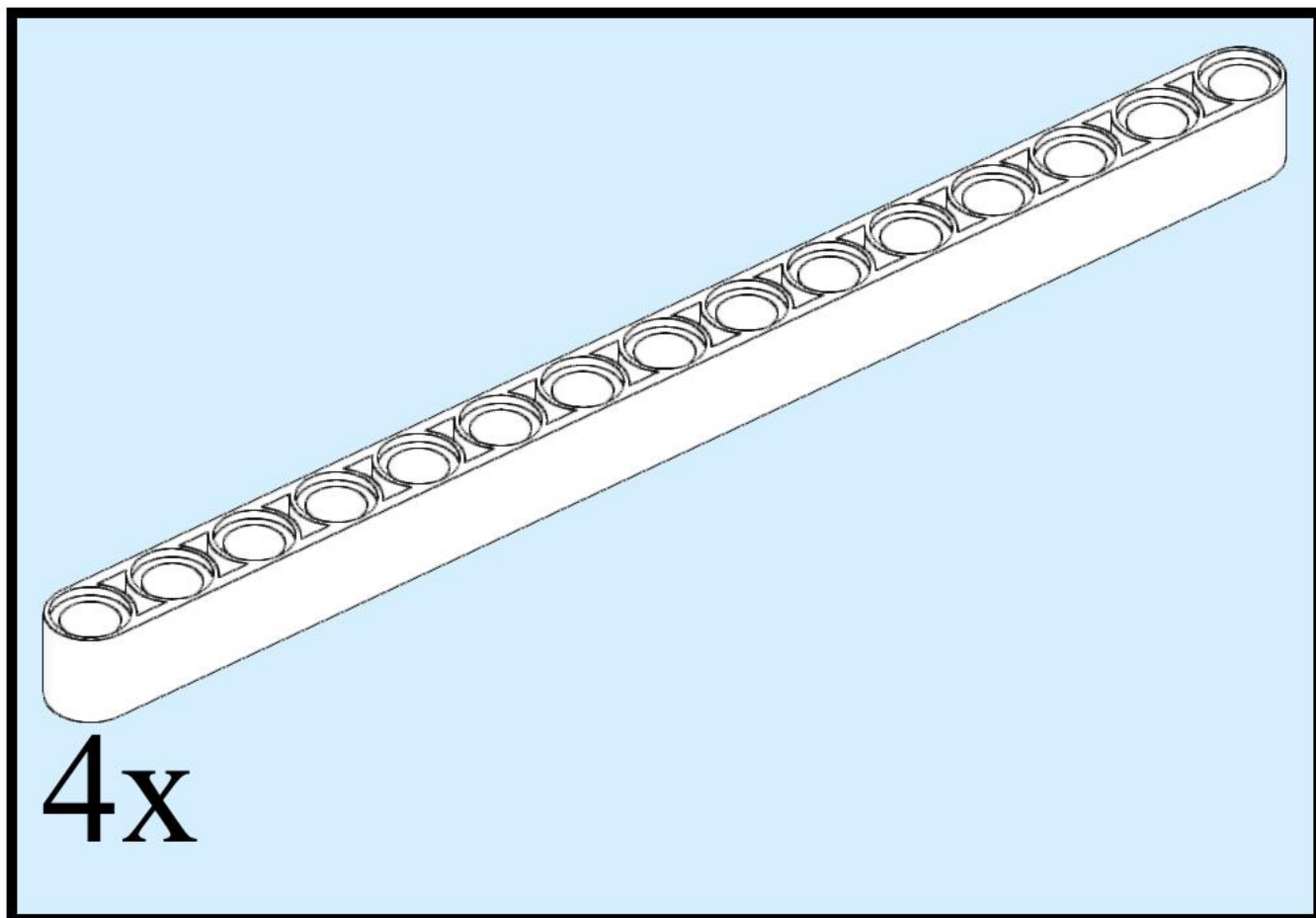
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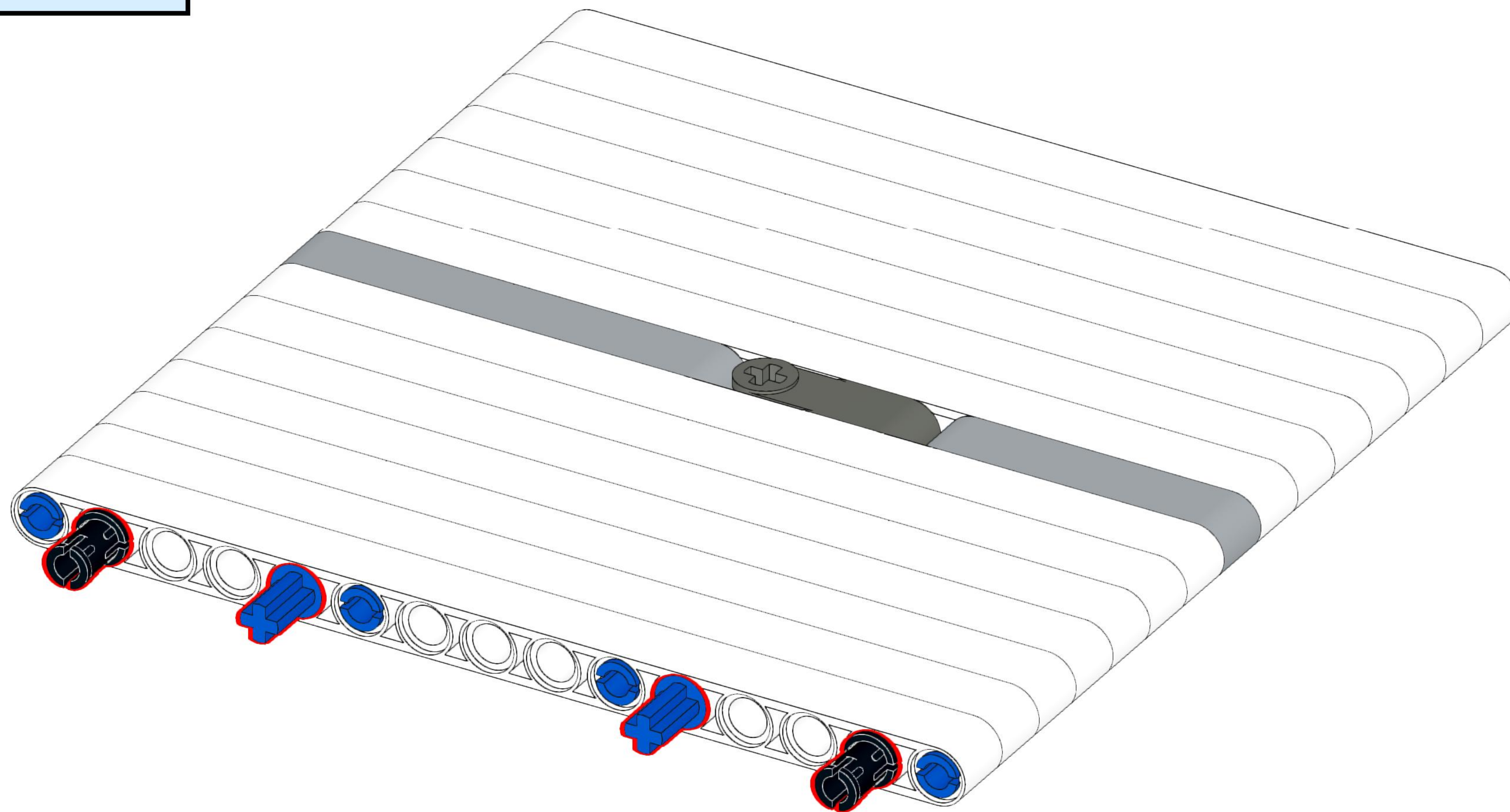
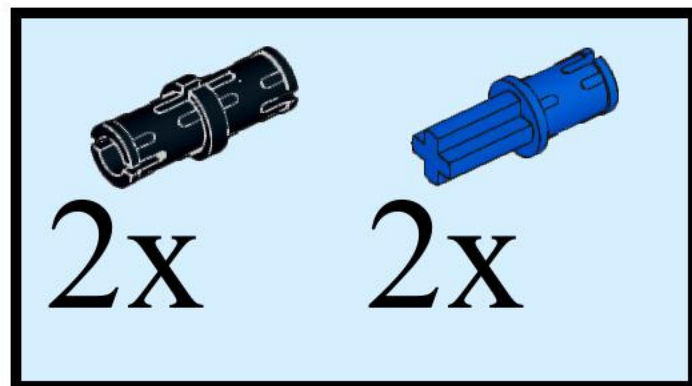
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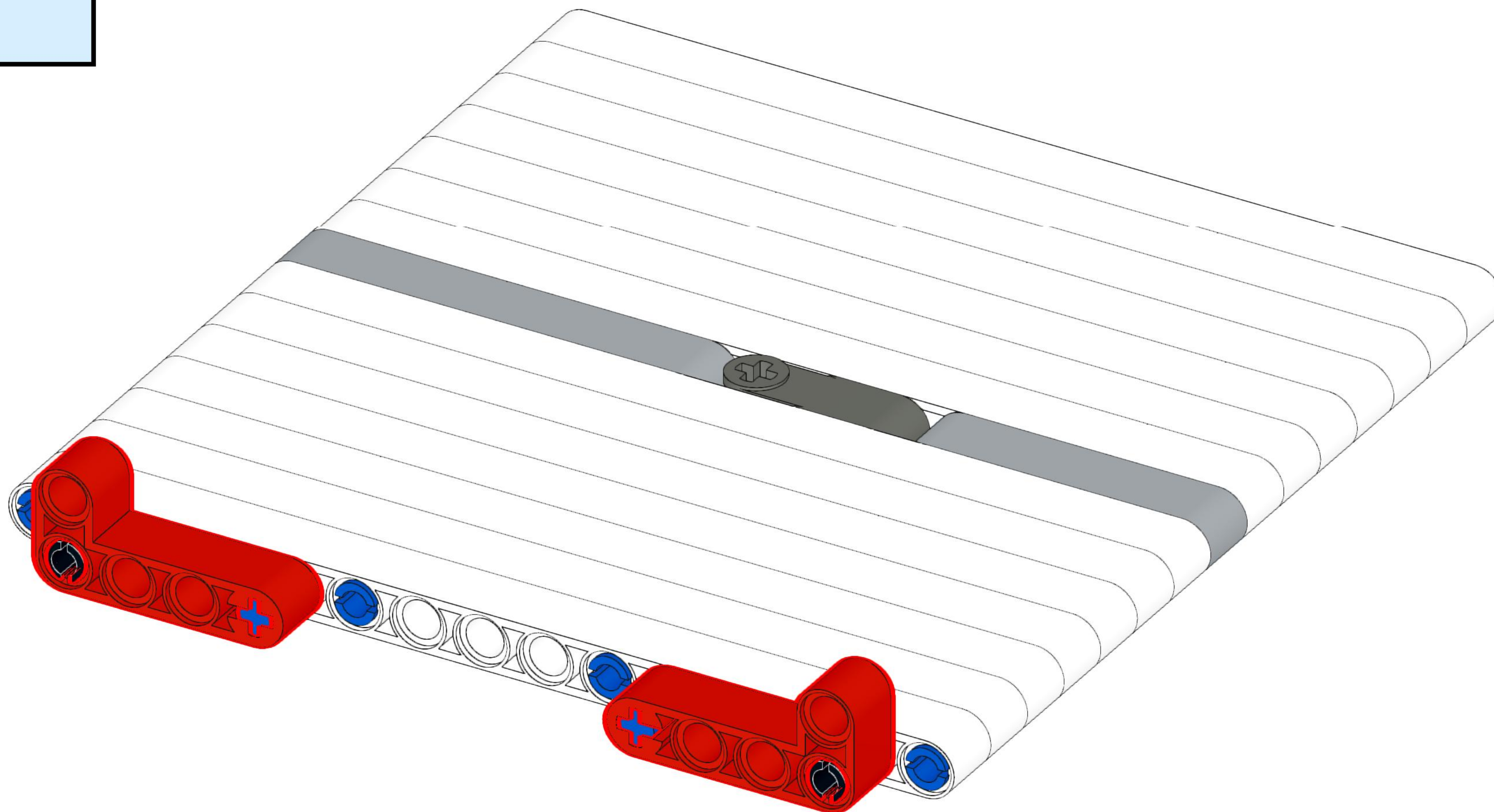
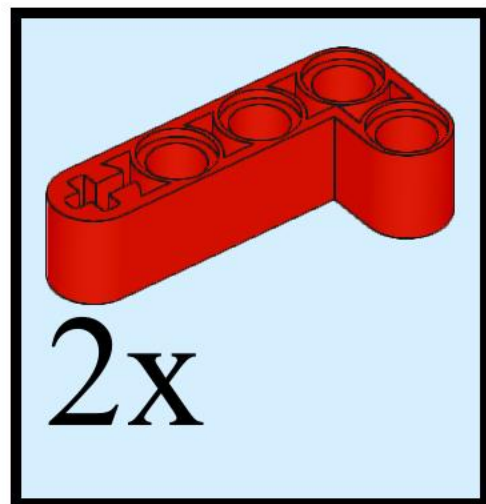
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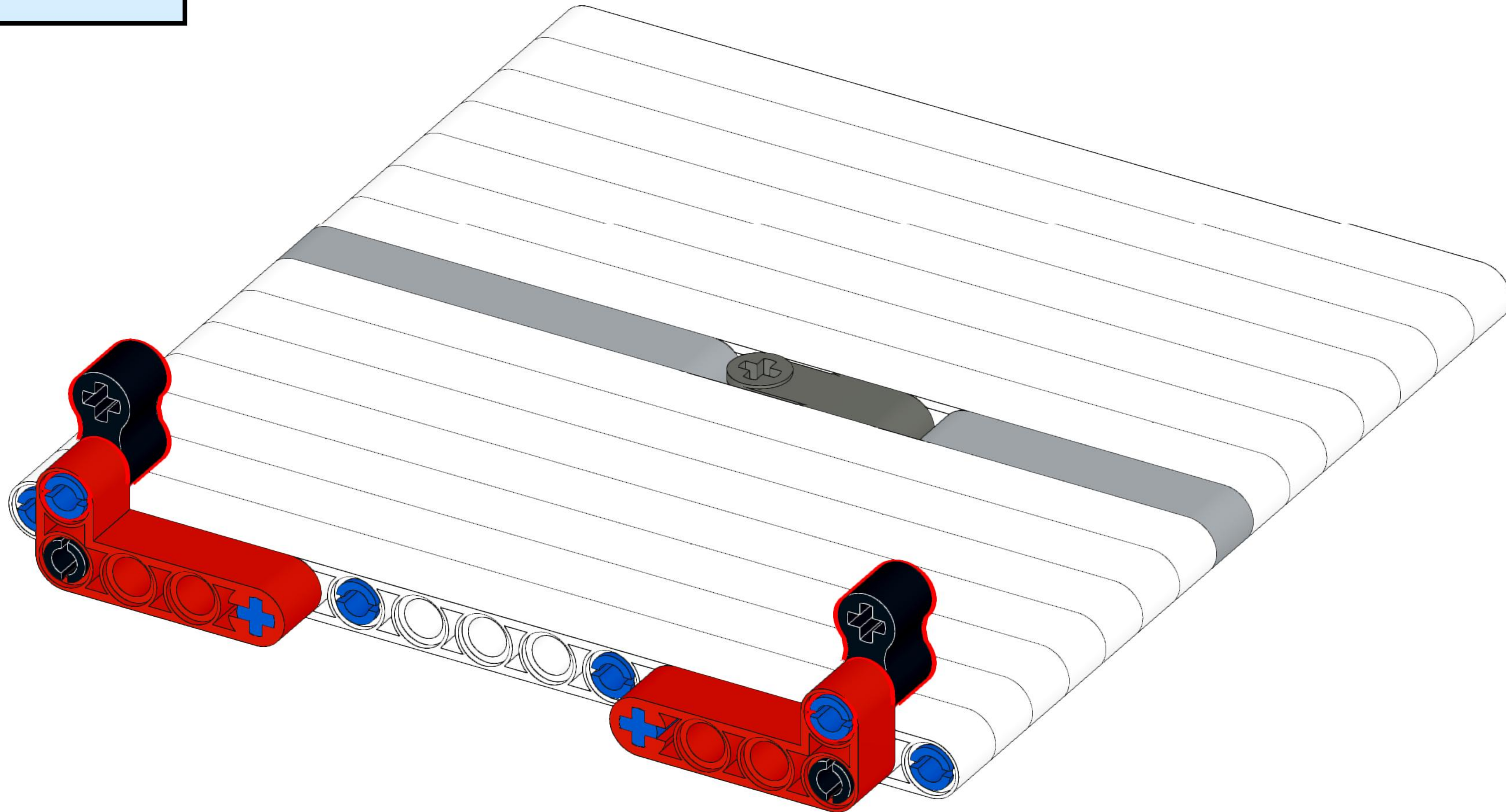
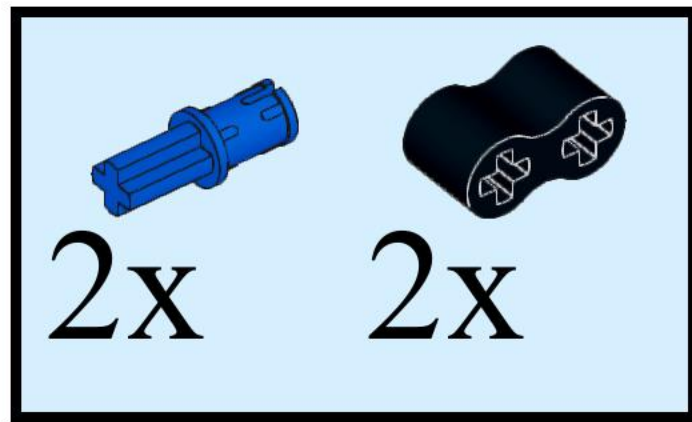
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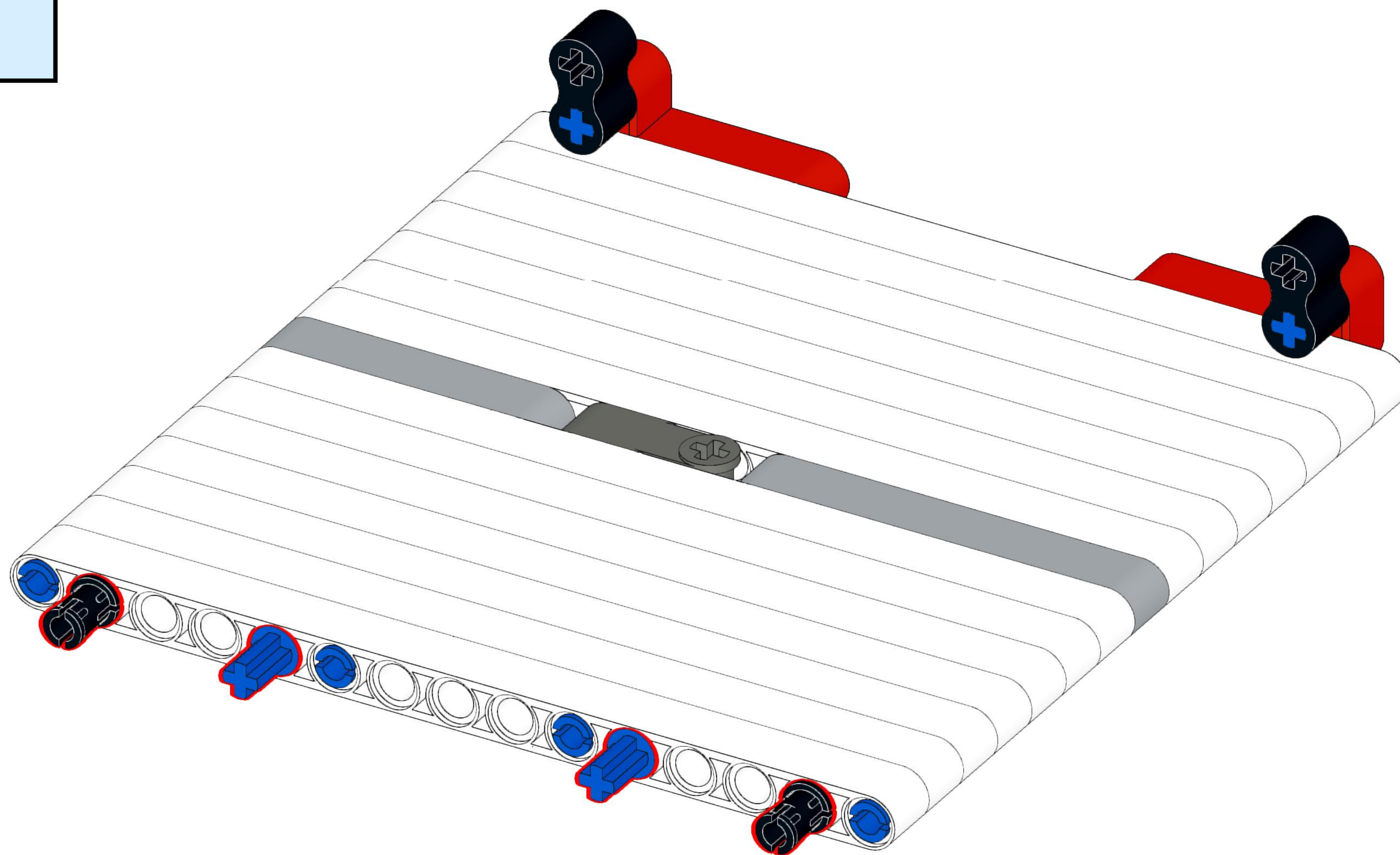
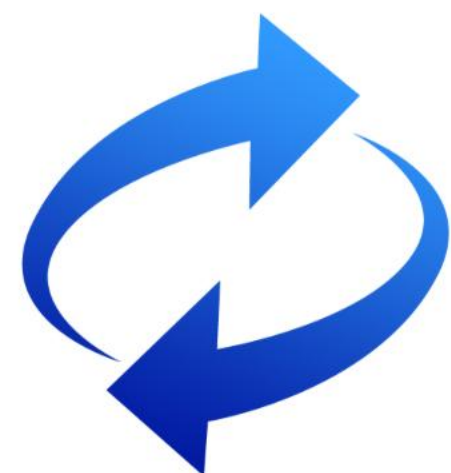
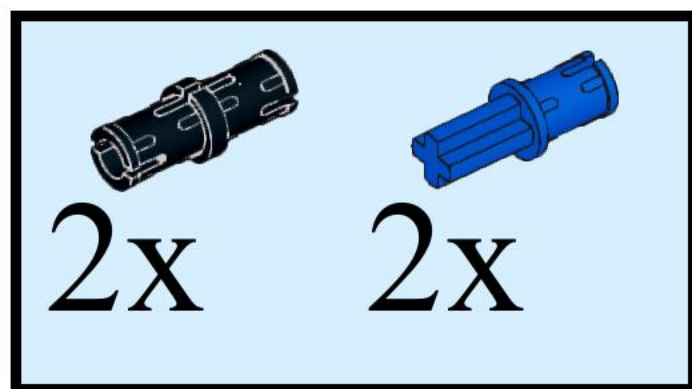
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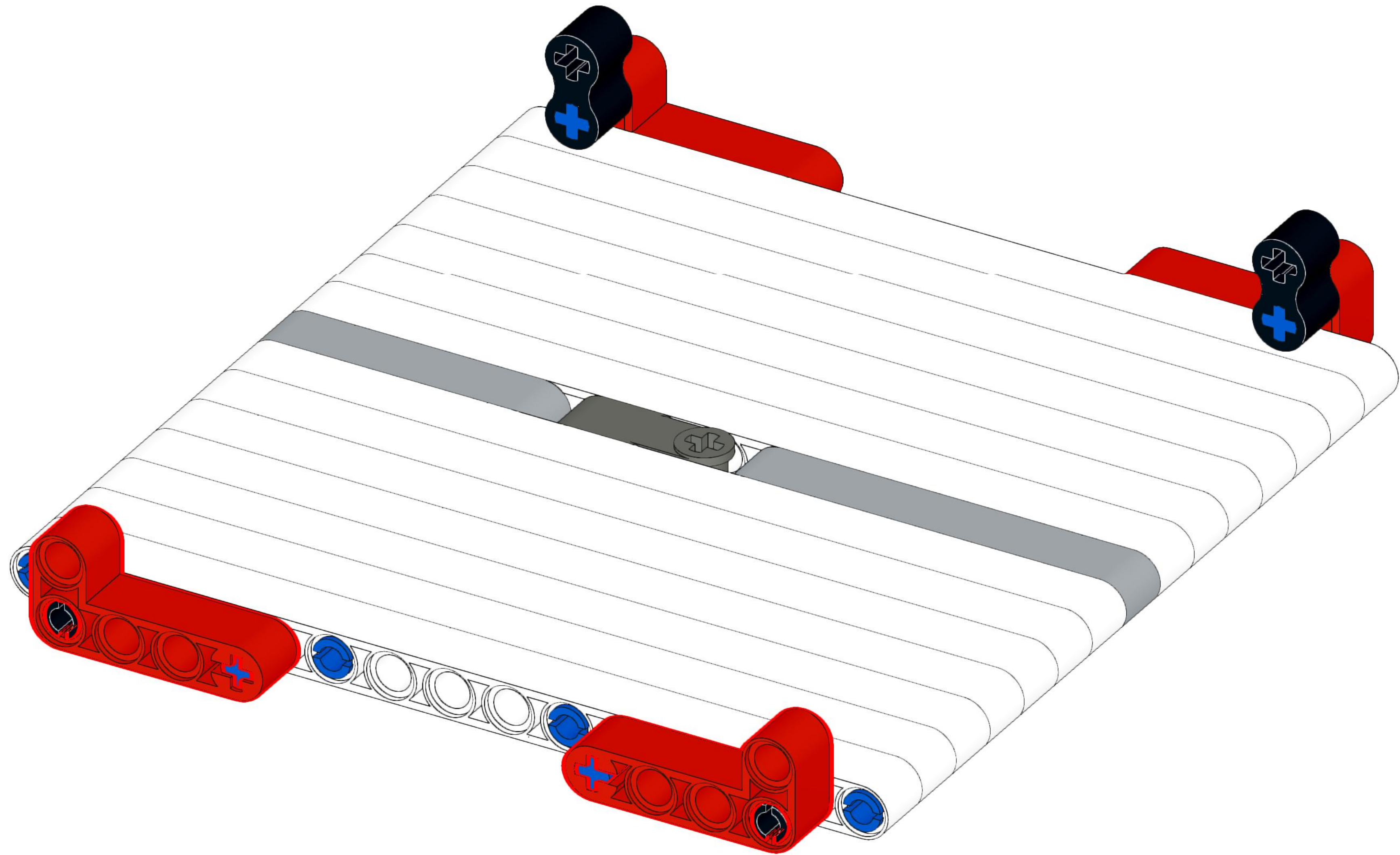
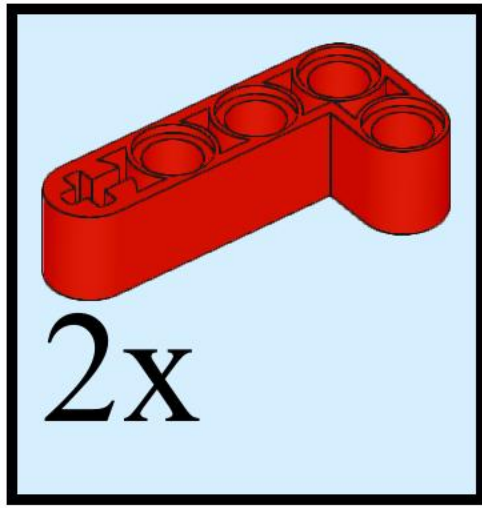
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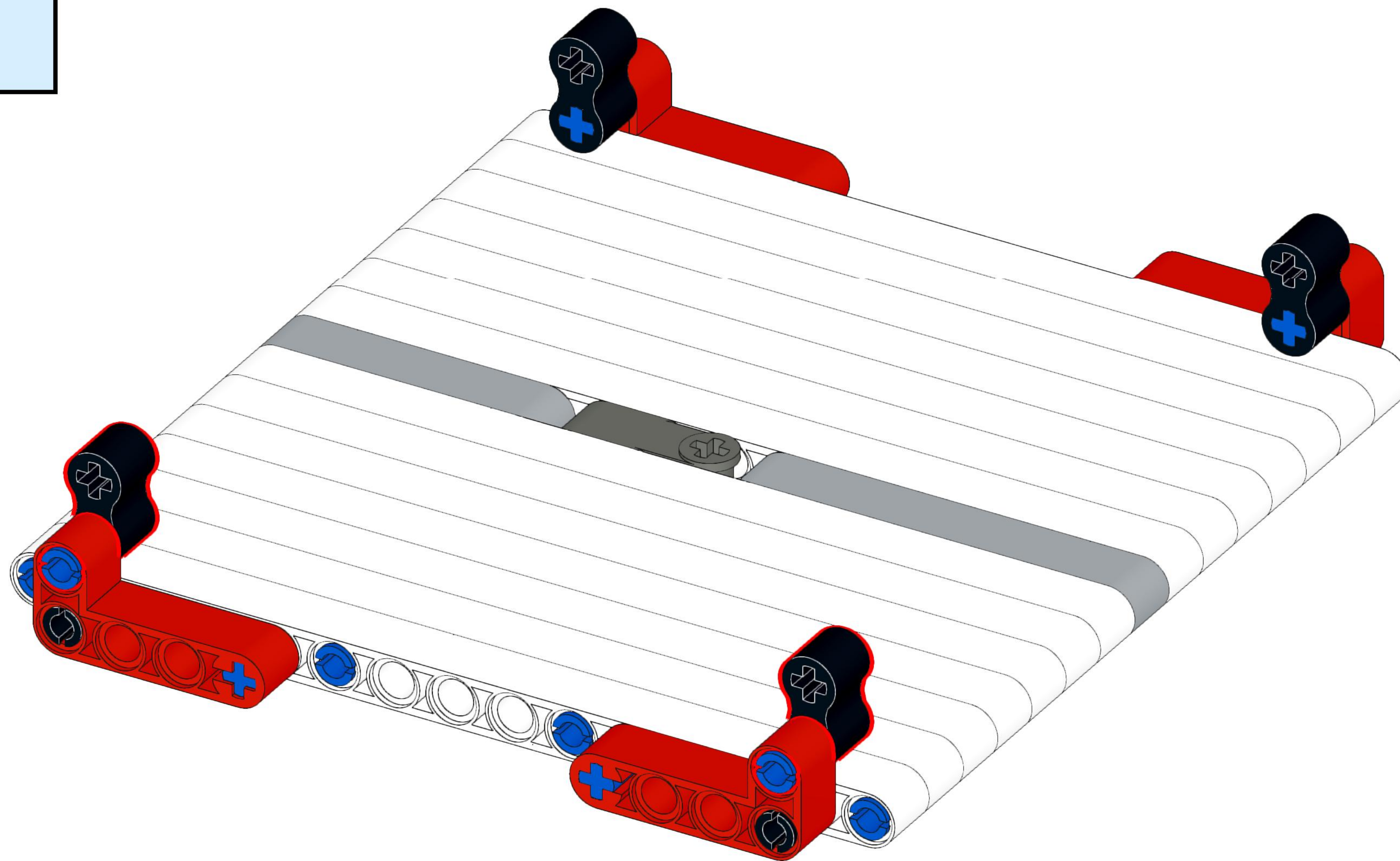
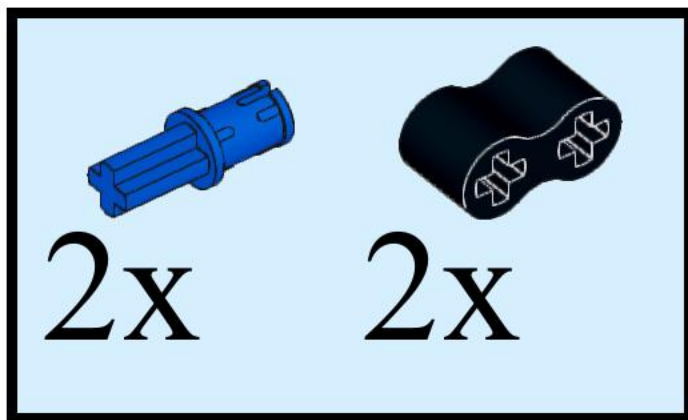
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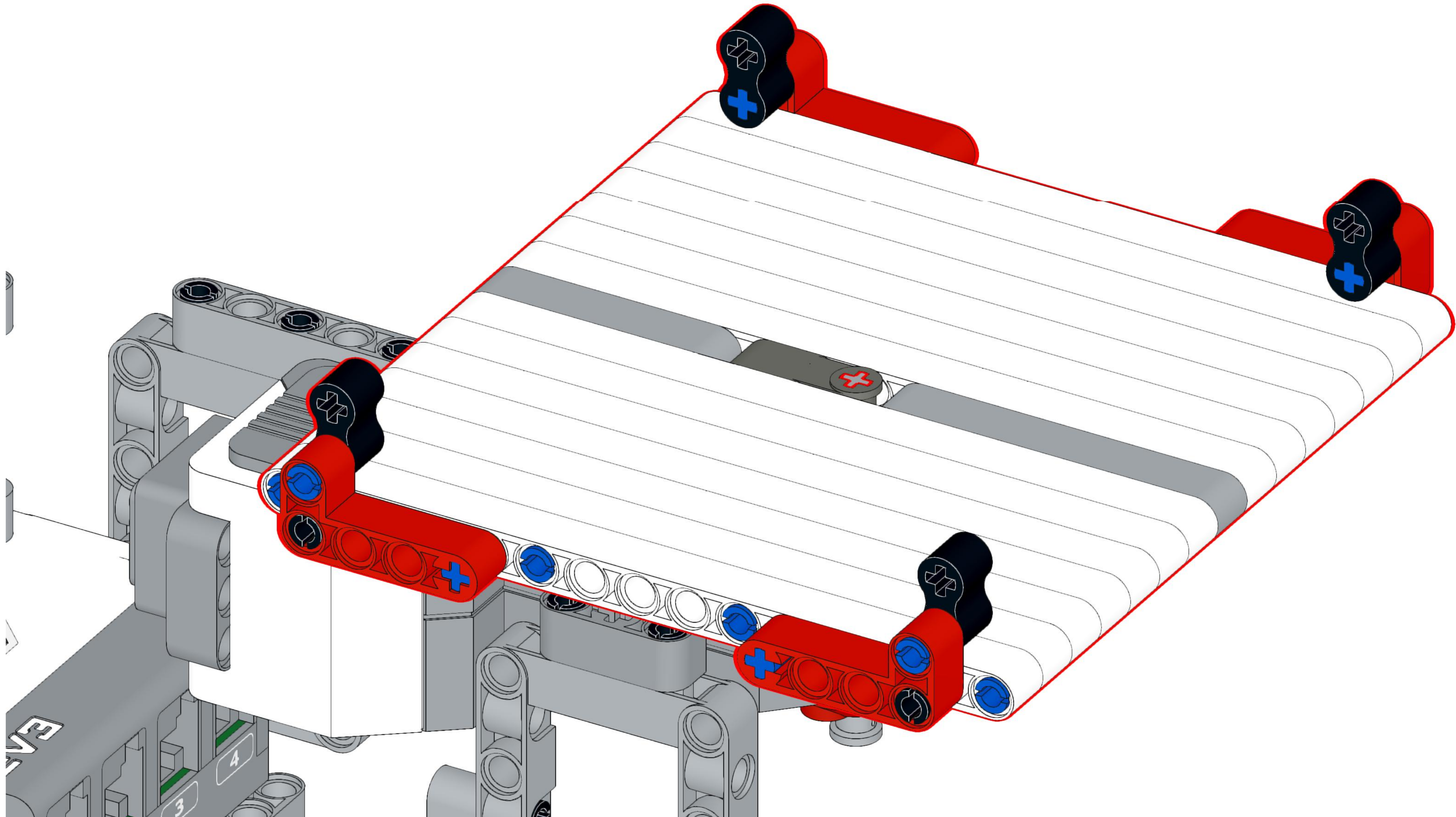
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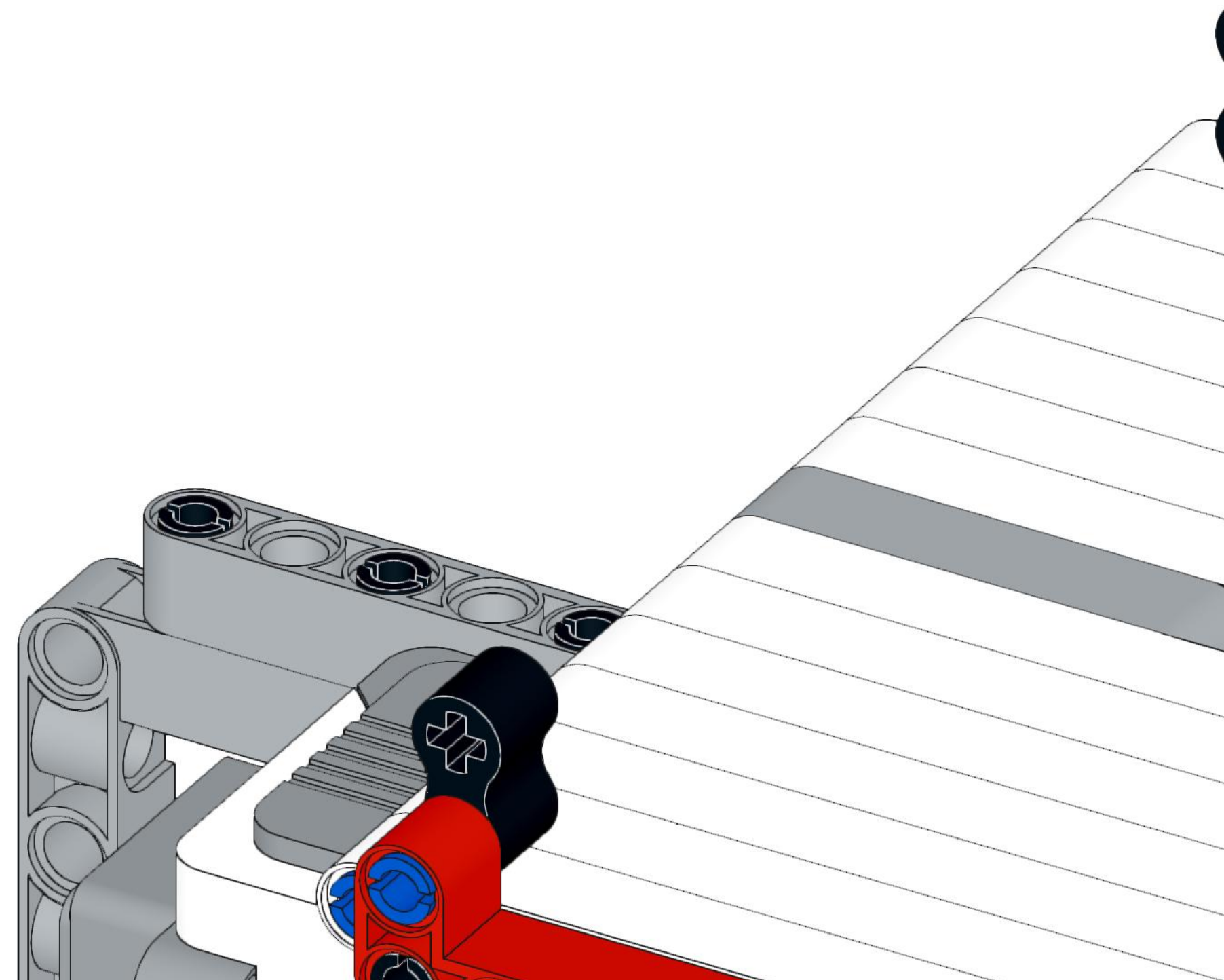
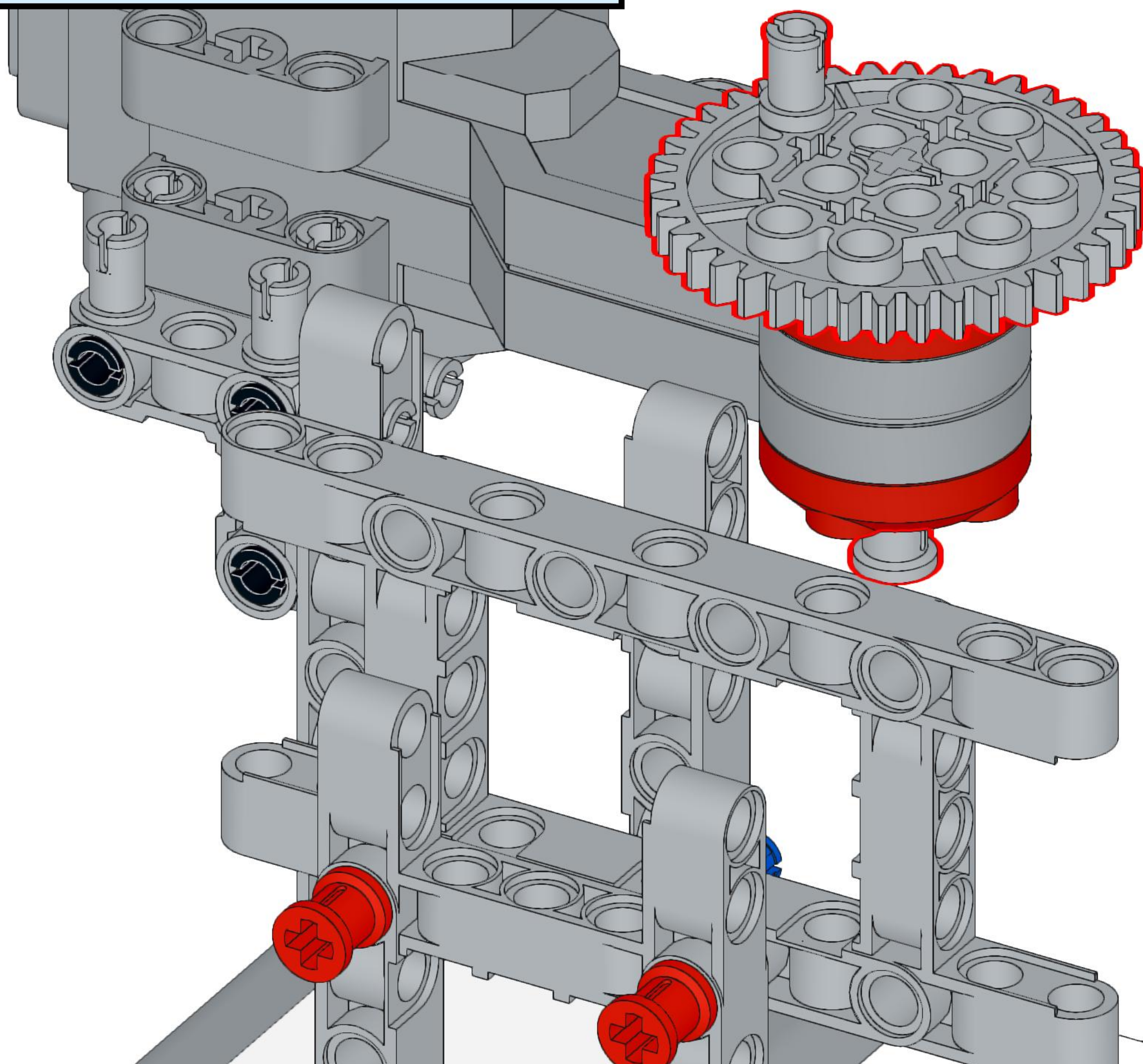
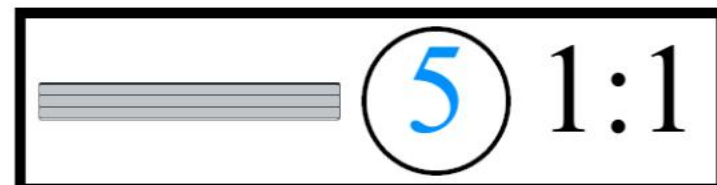
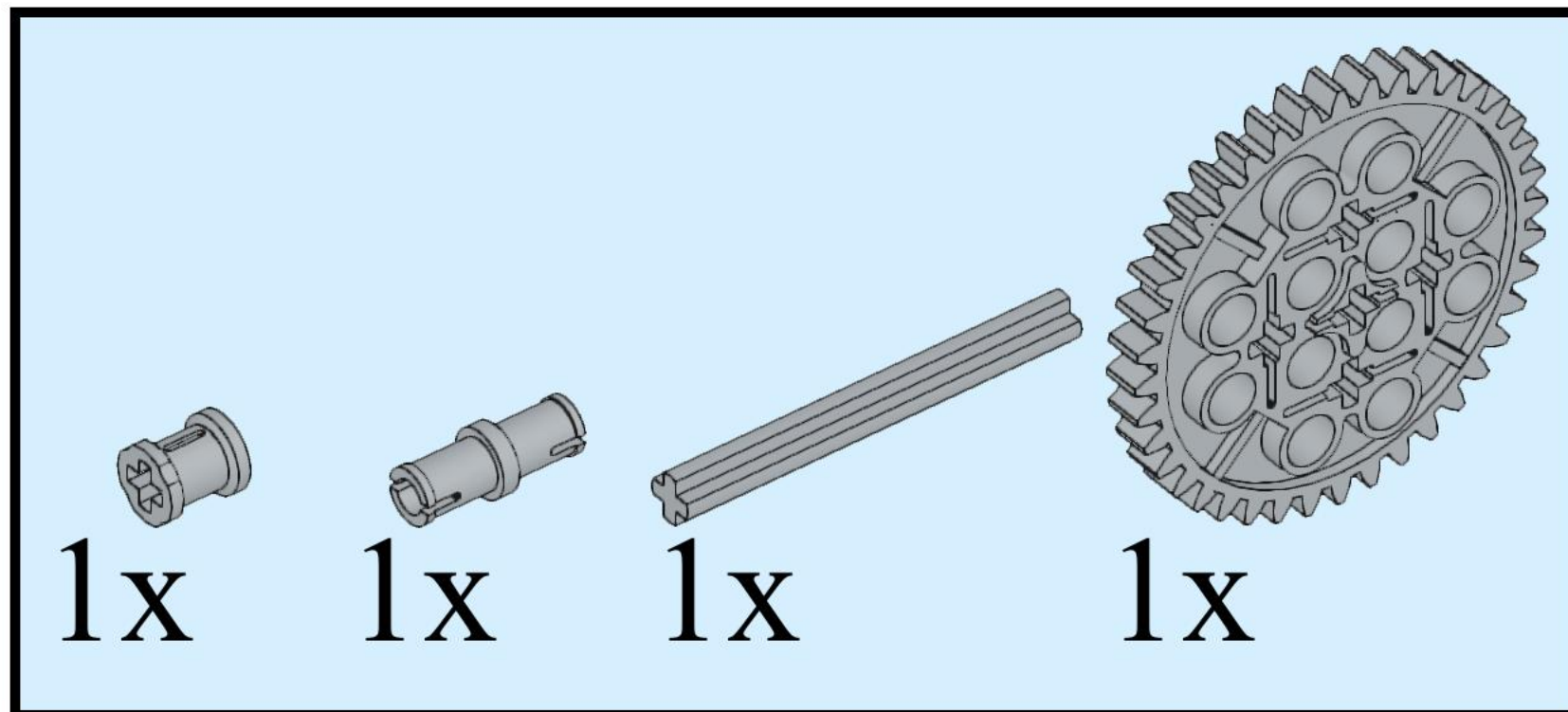
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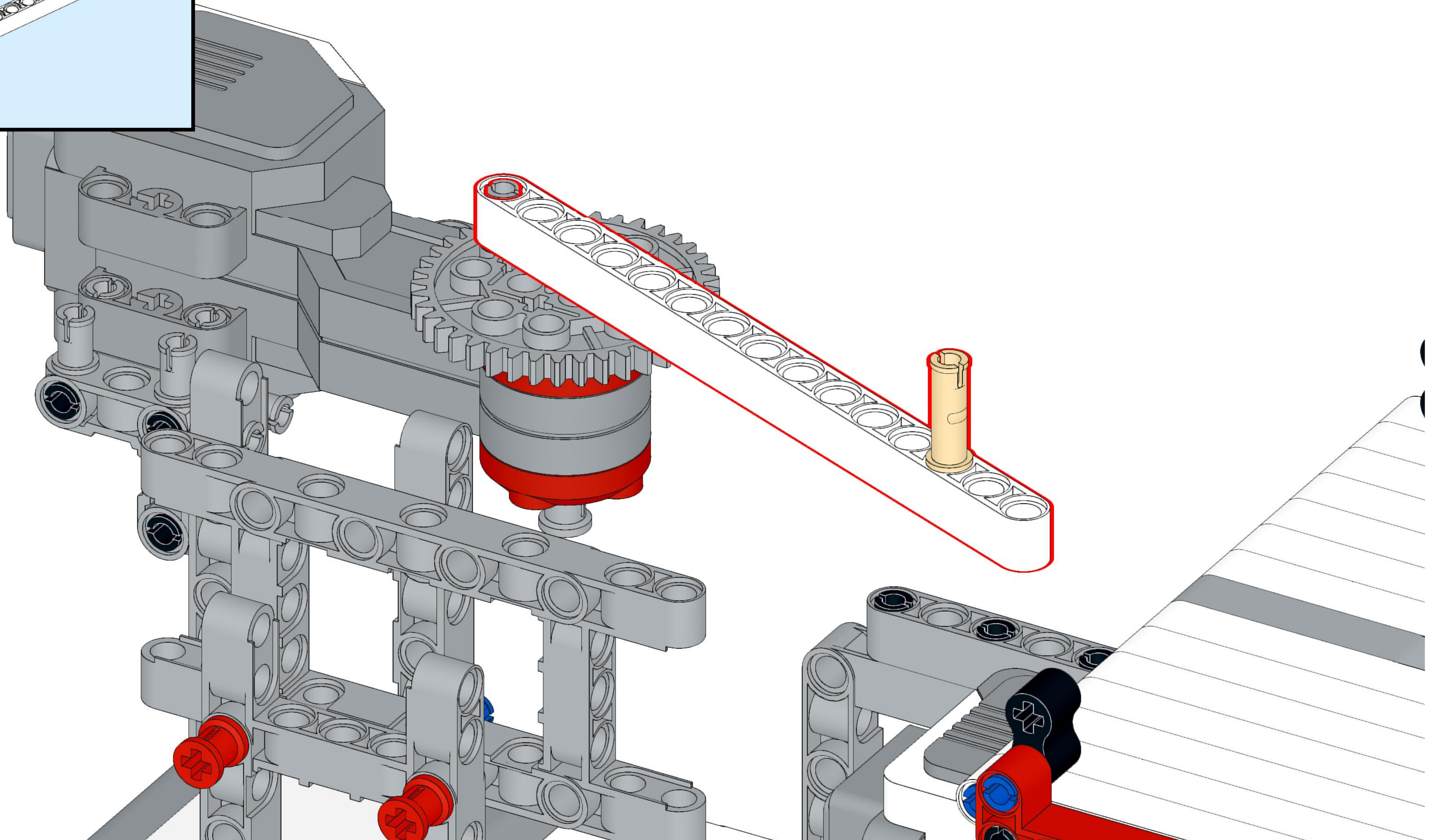
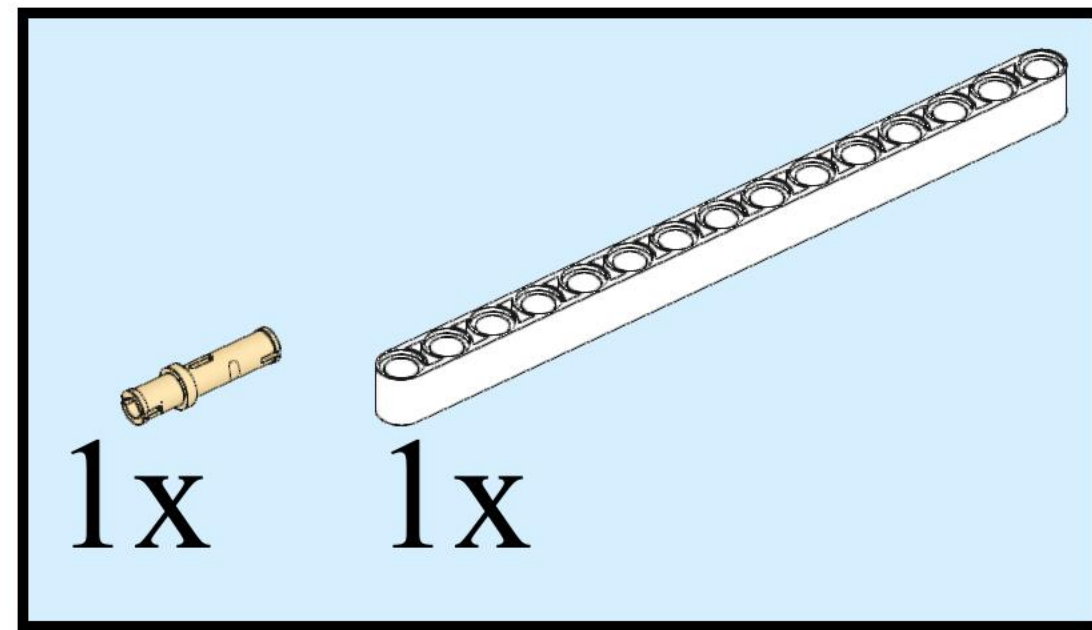
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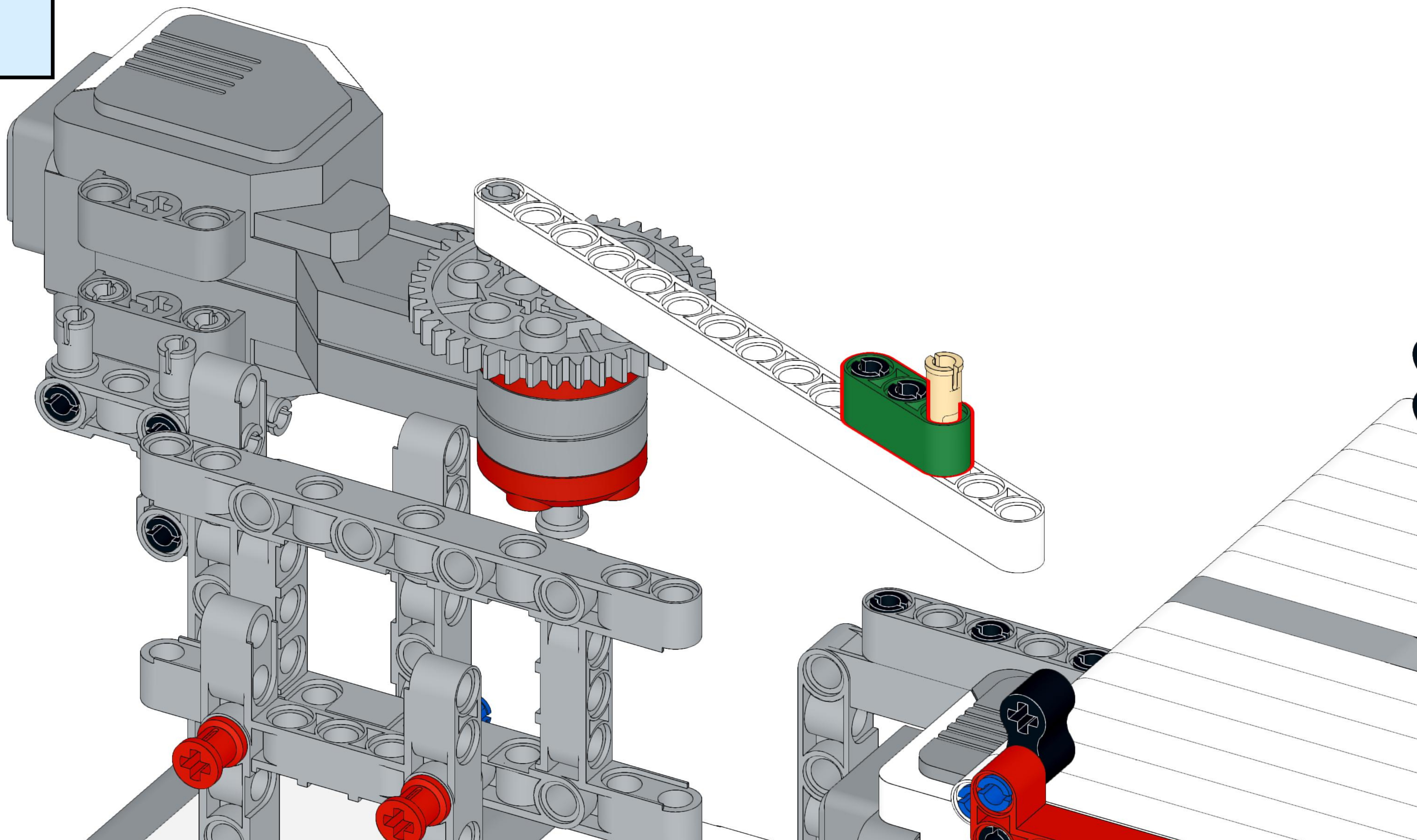
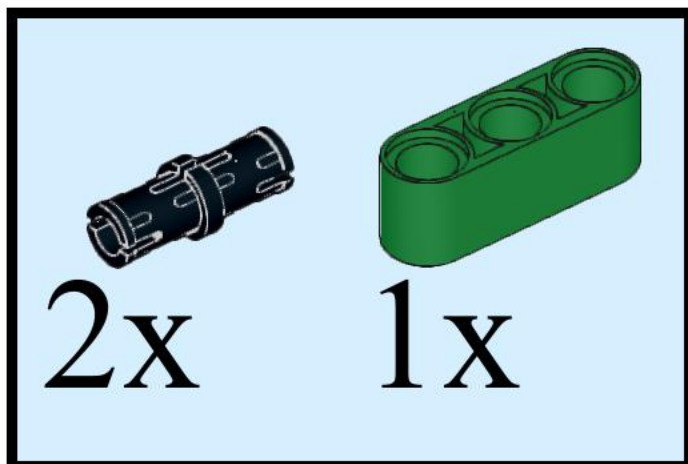
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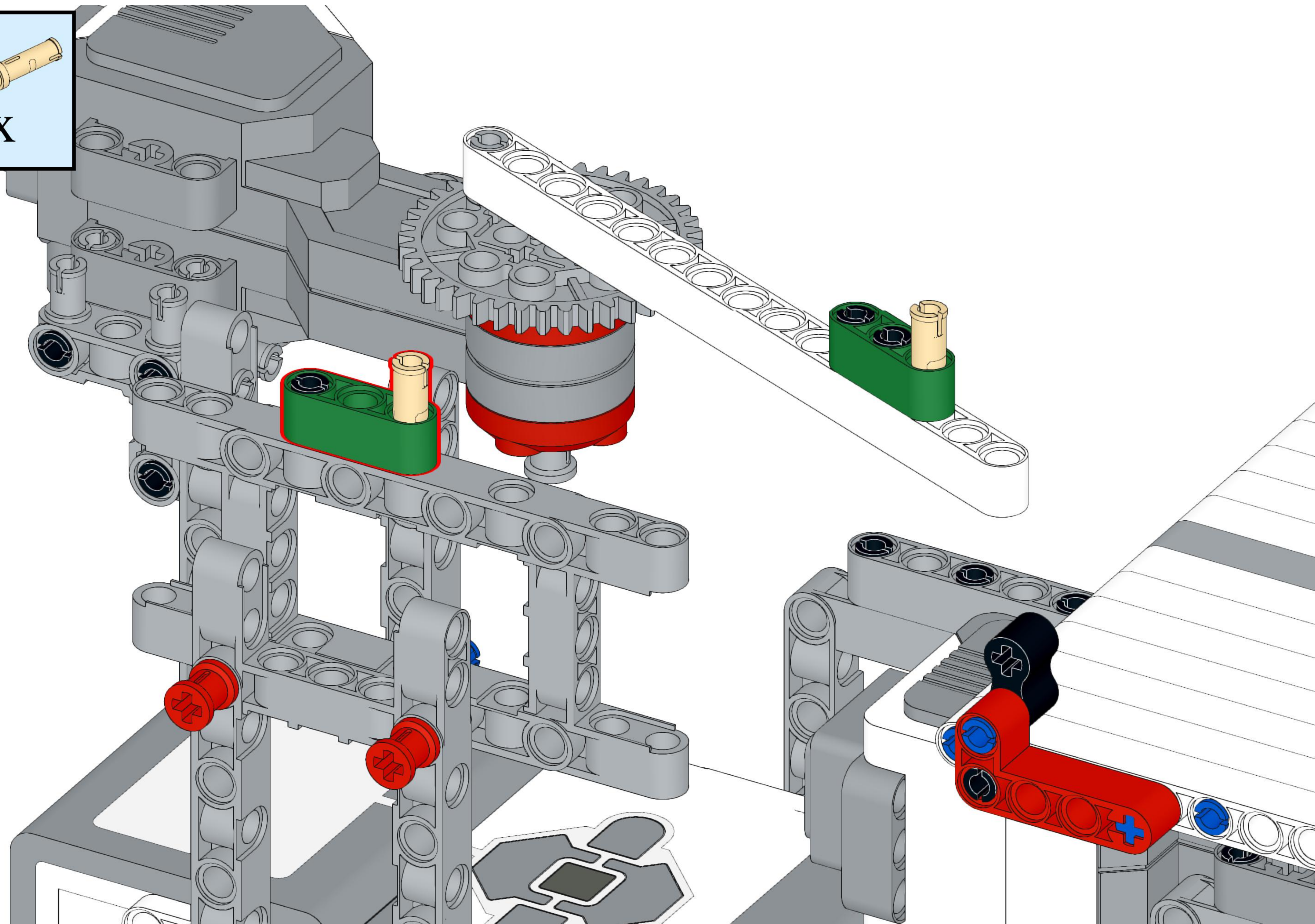
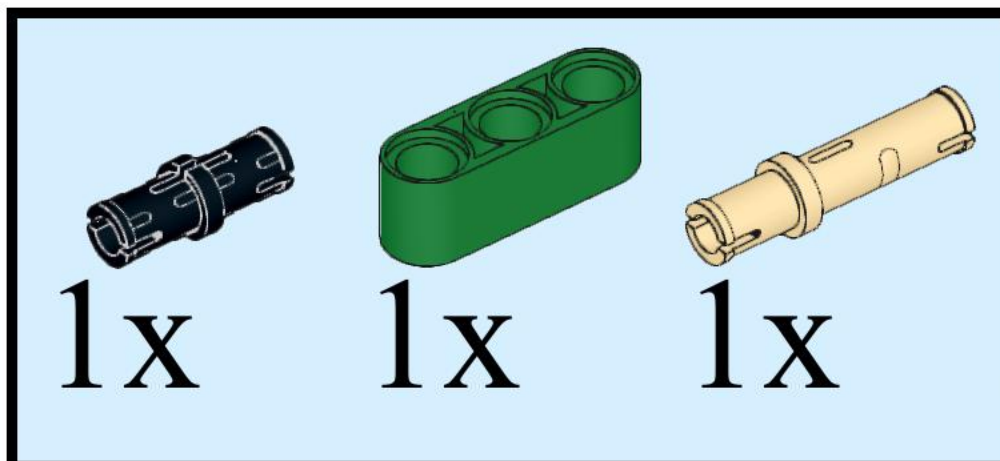
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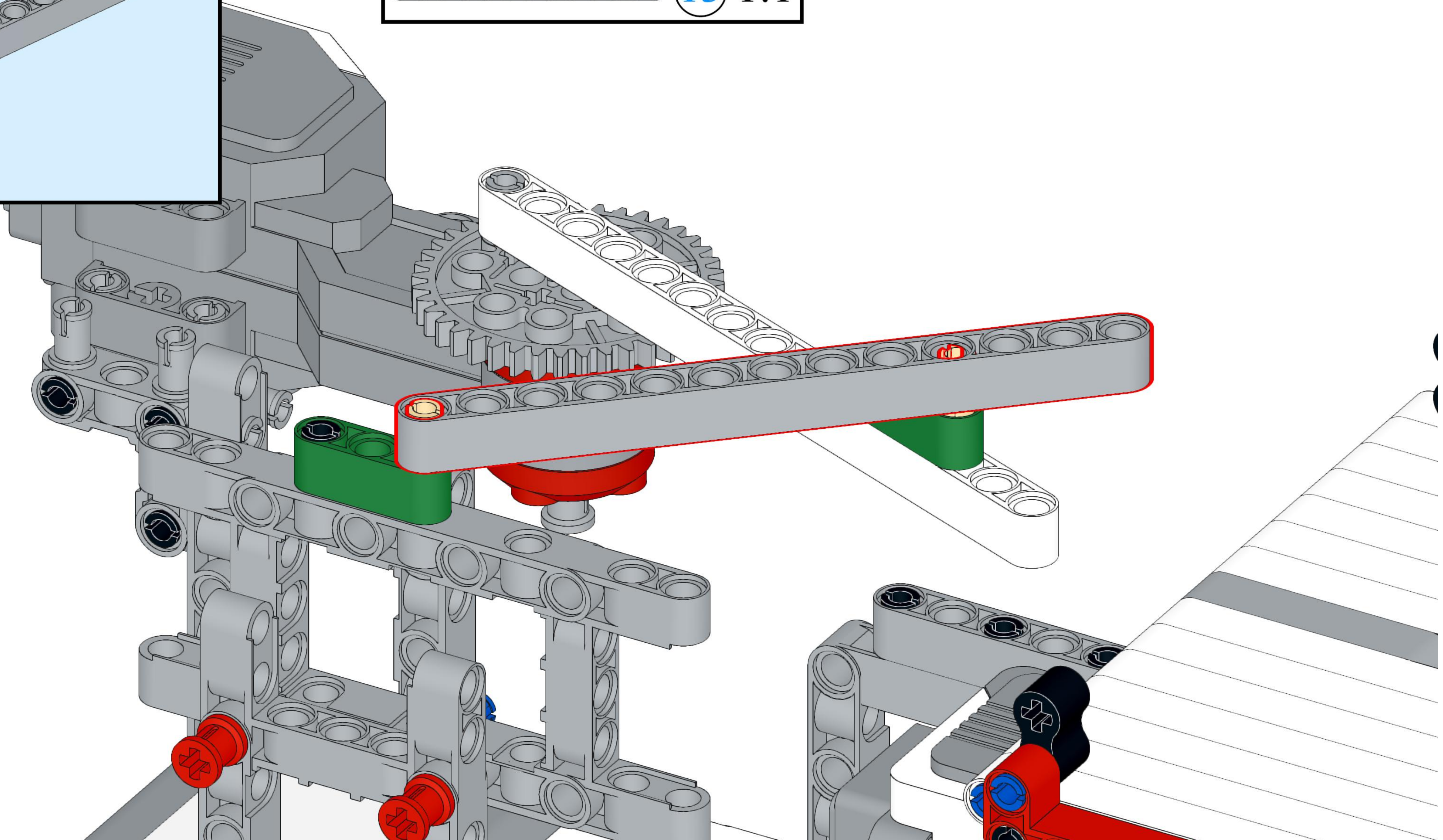
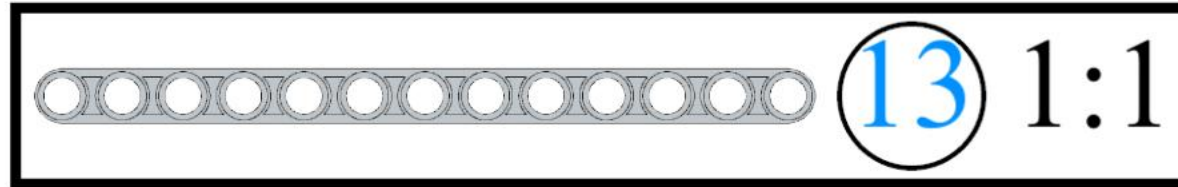
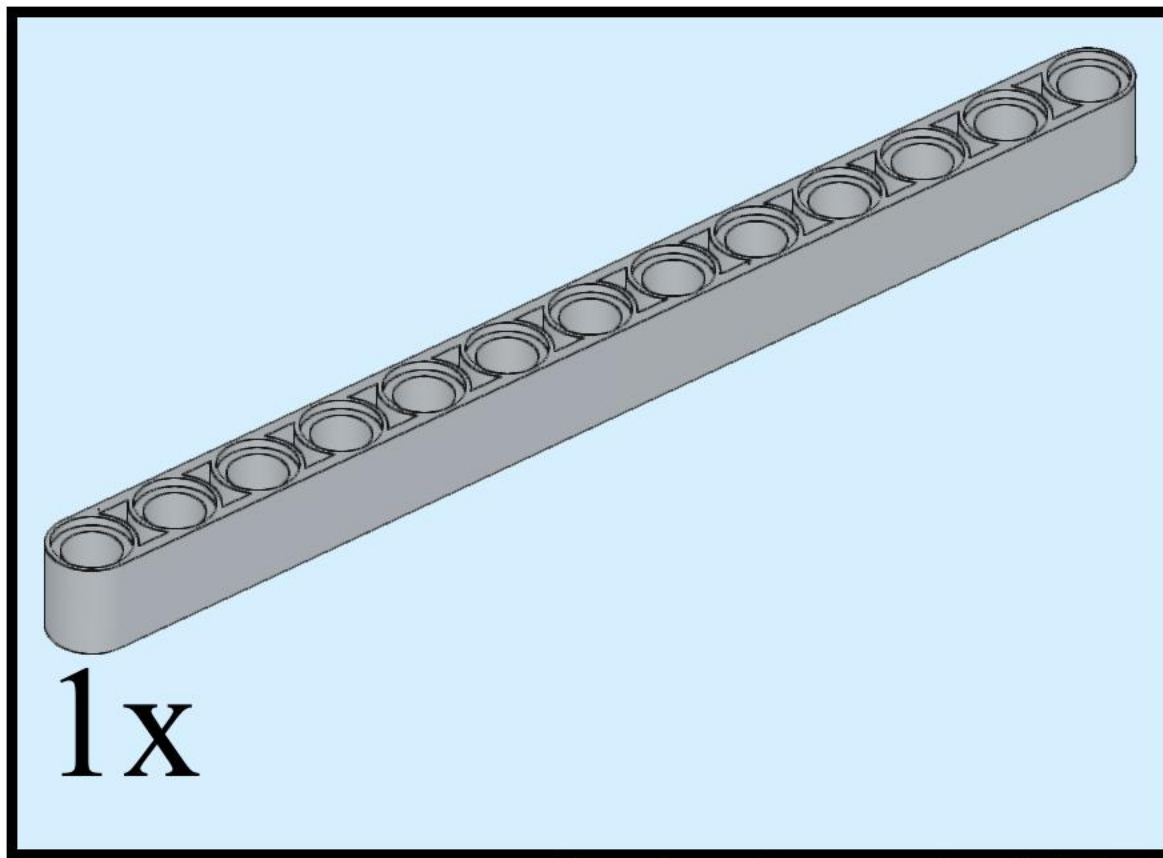
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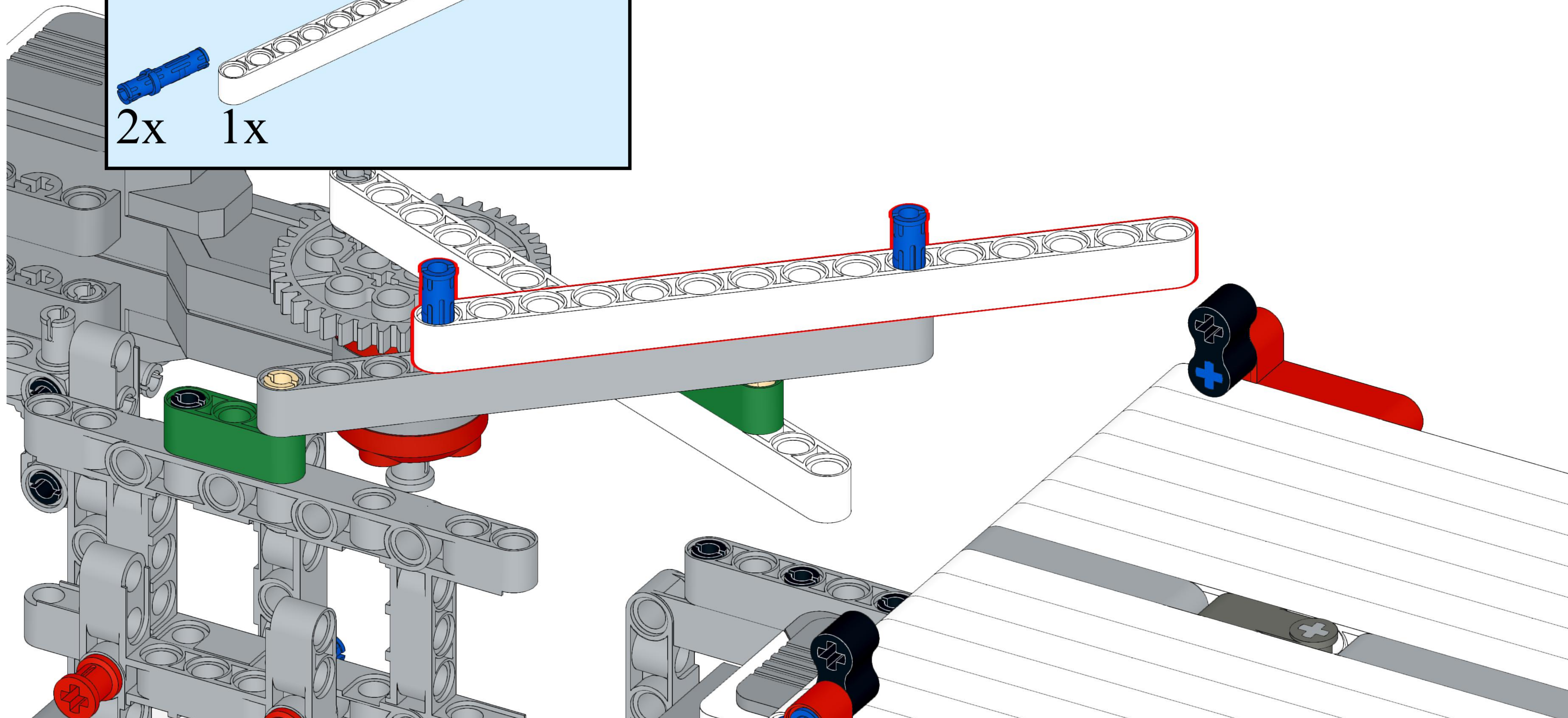
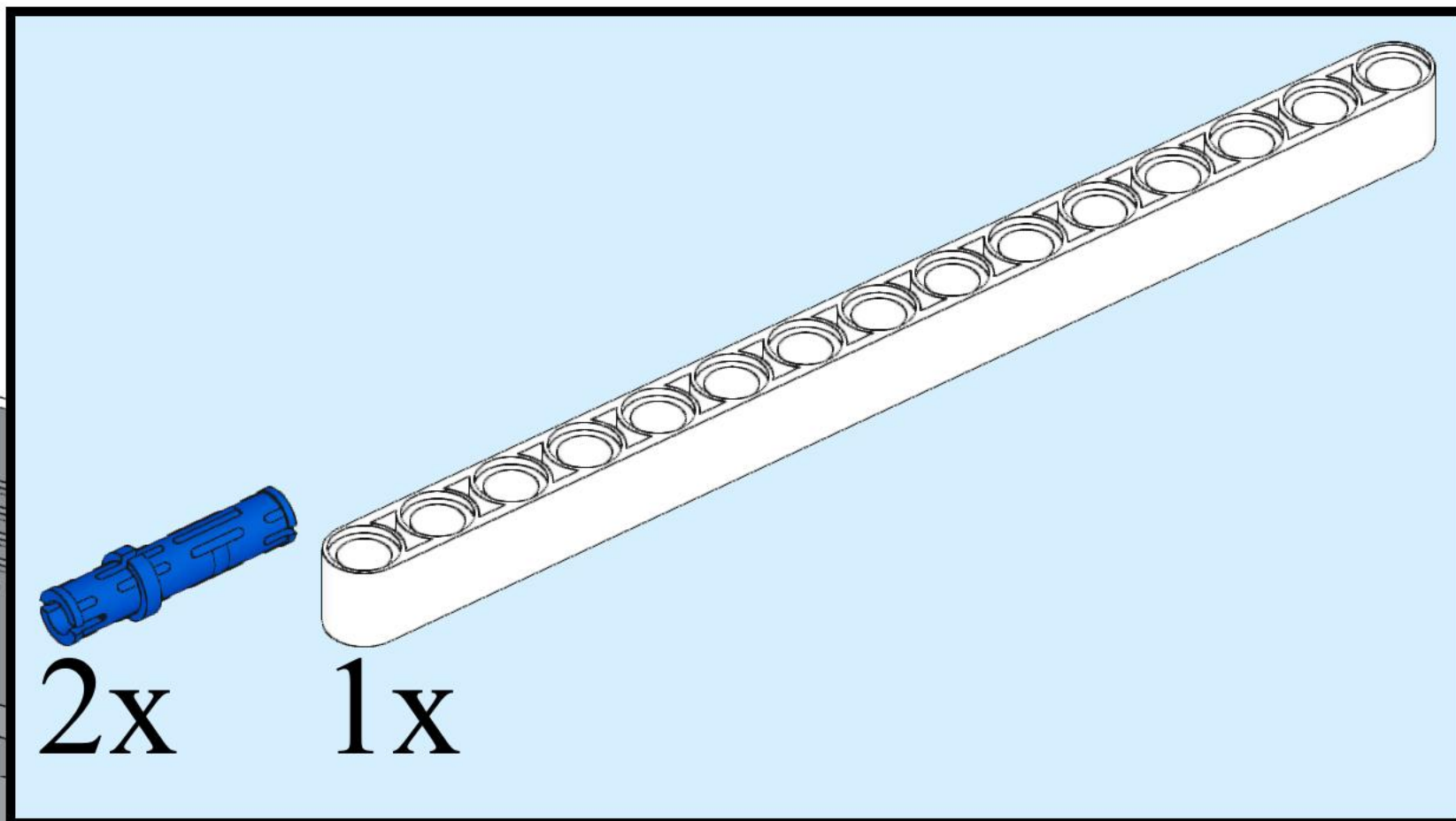
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39

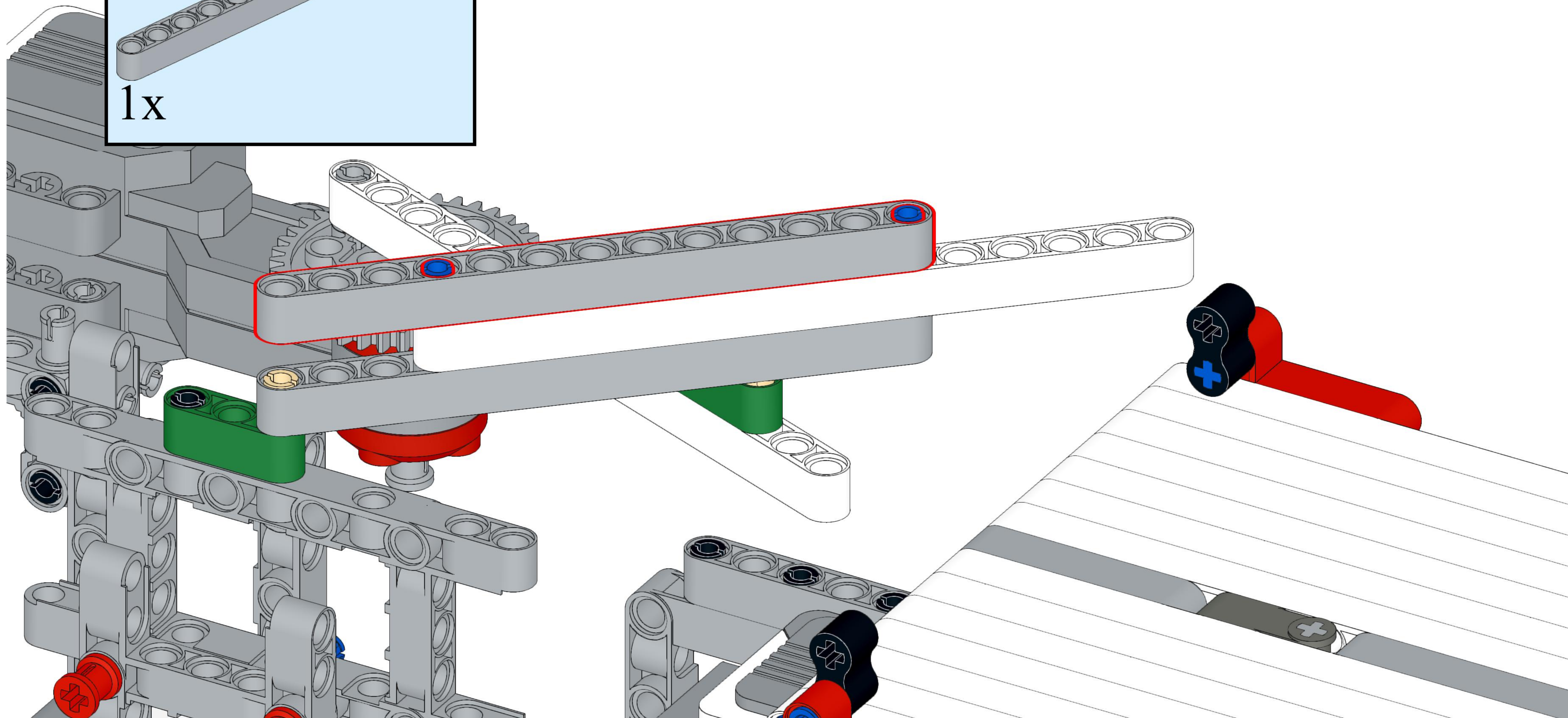


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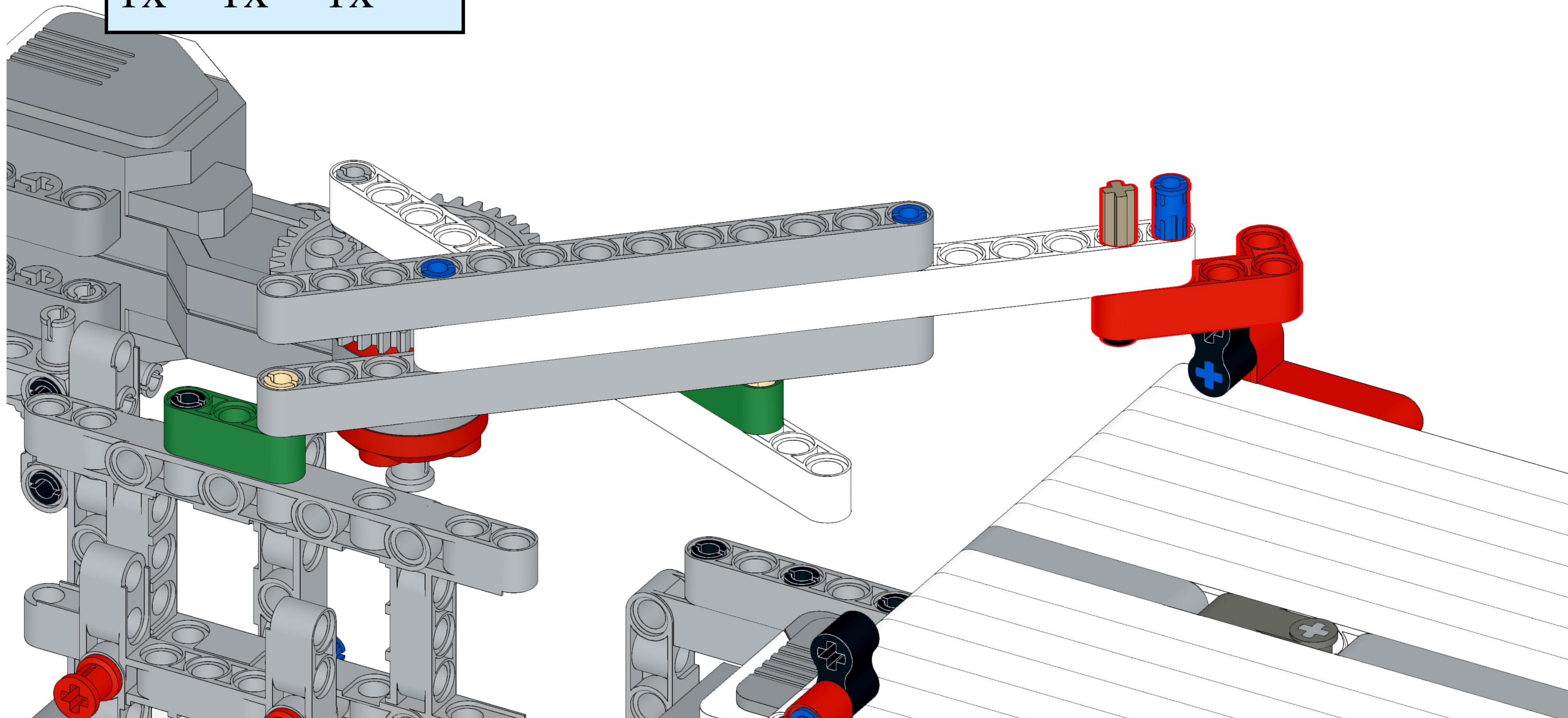
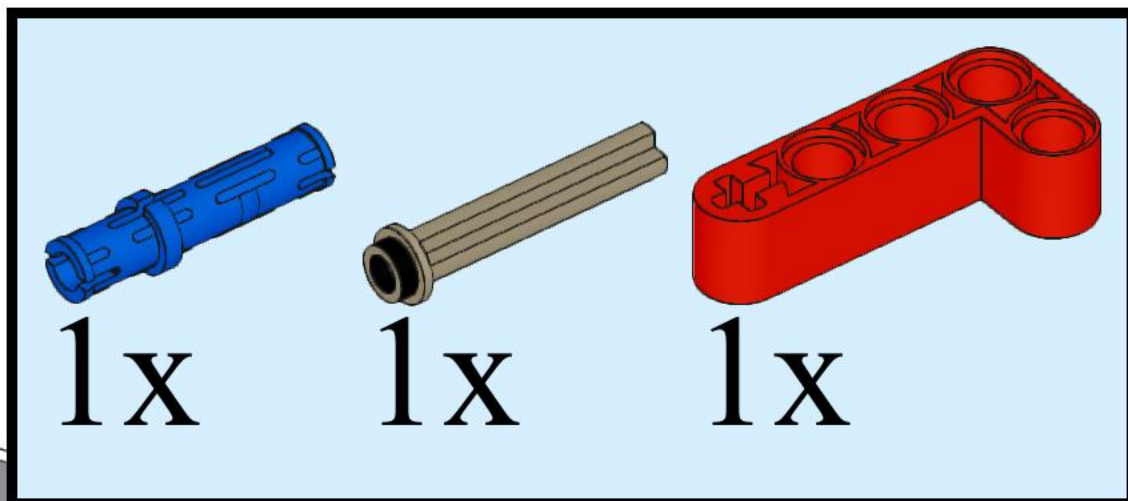


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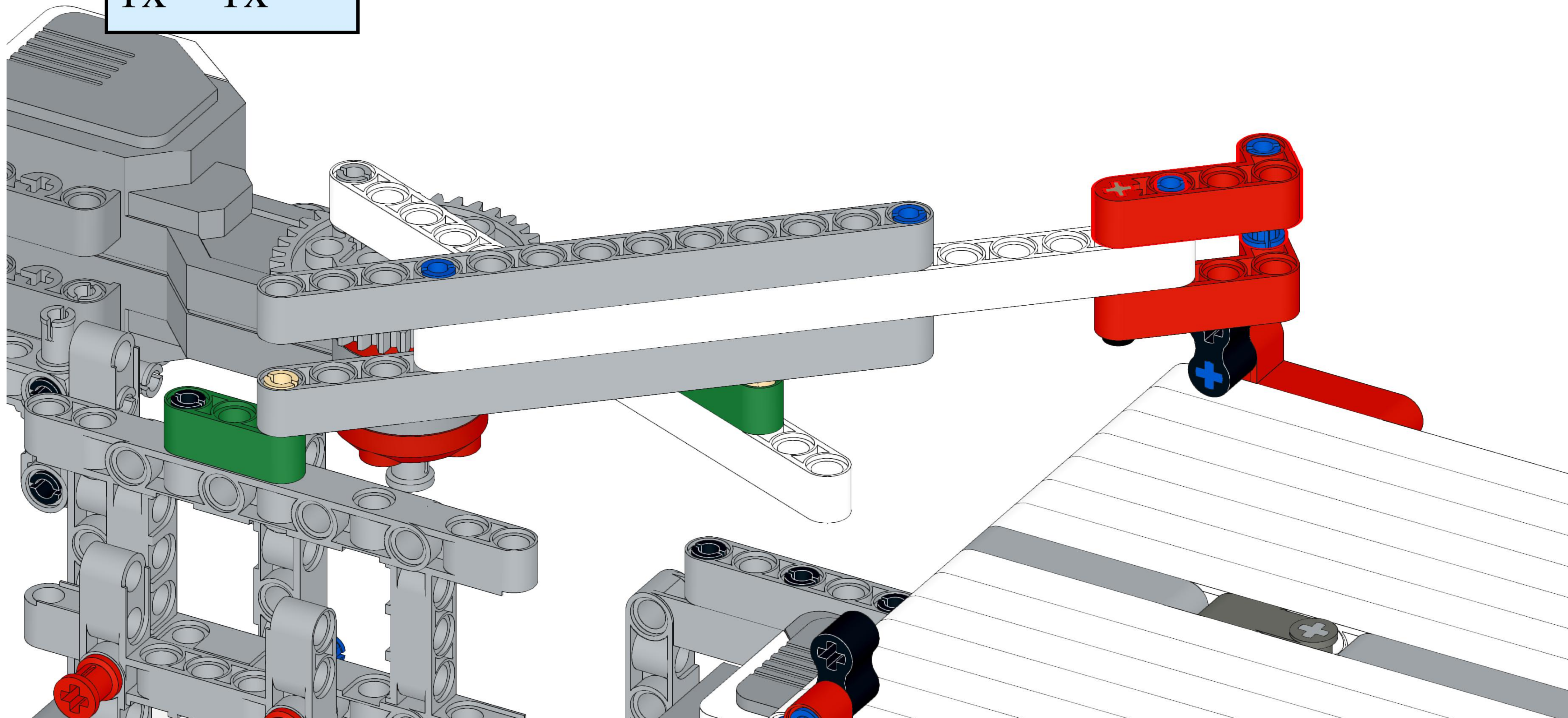
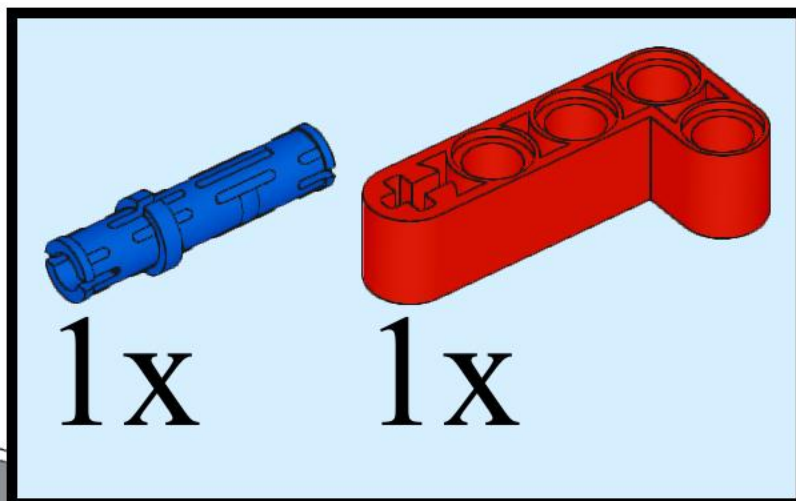
1x



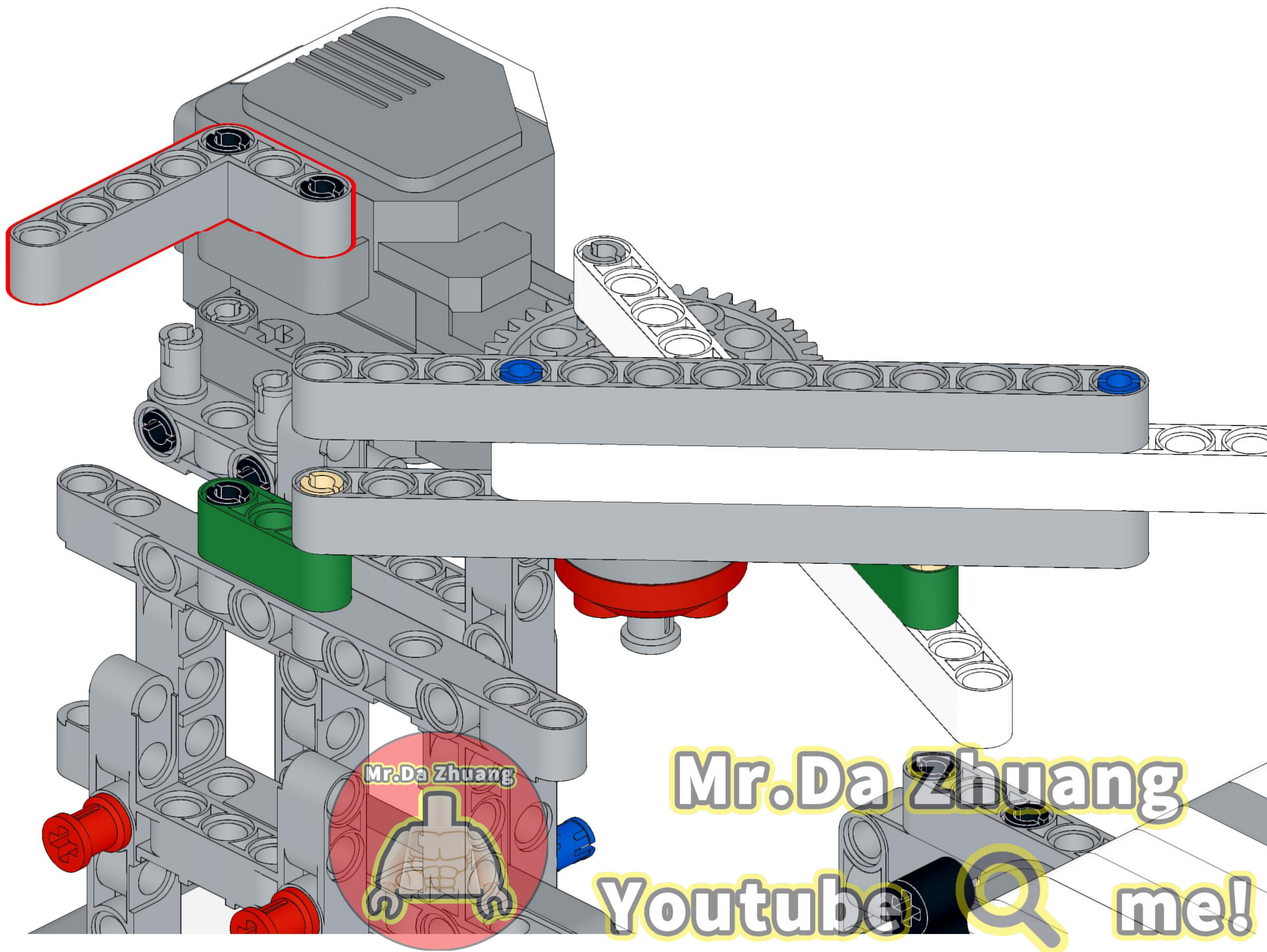
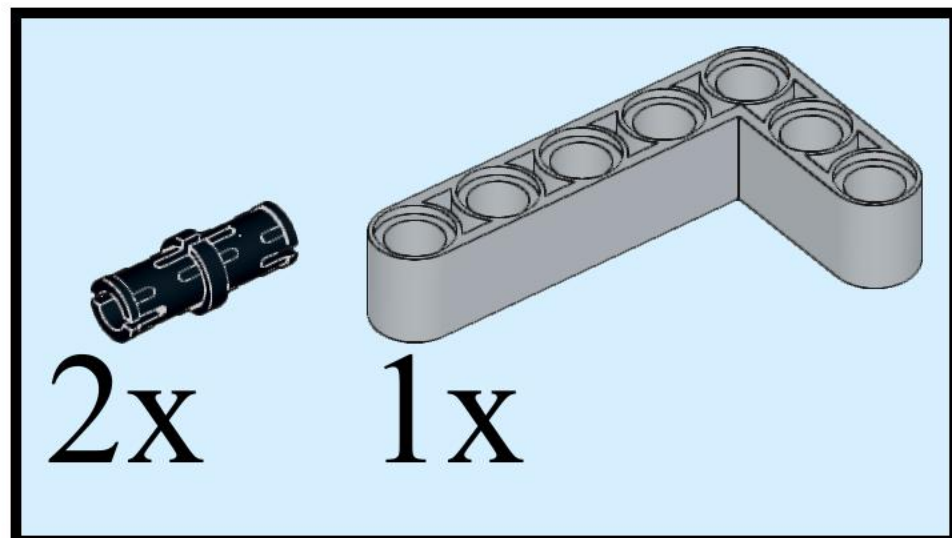
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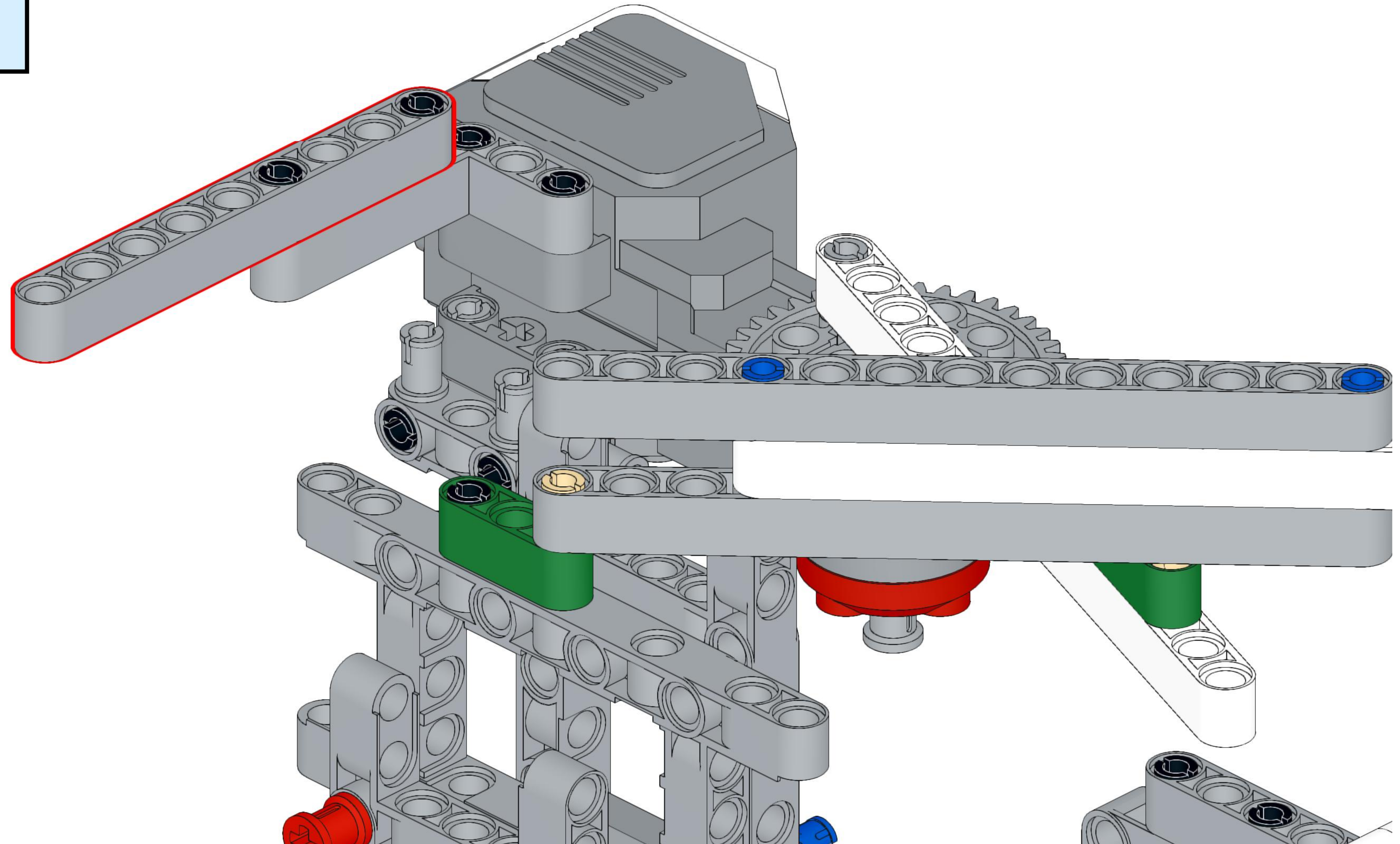
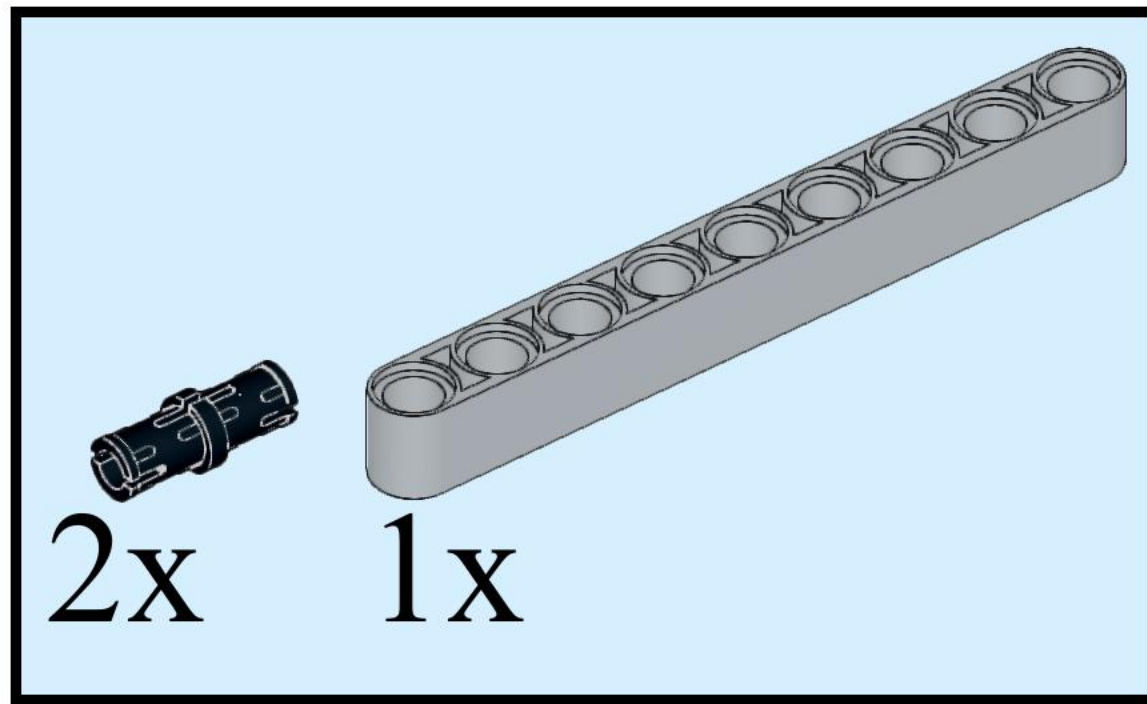
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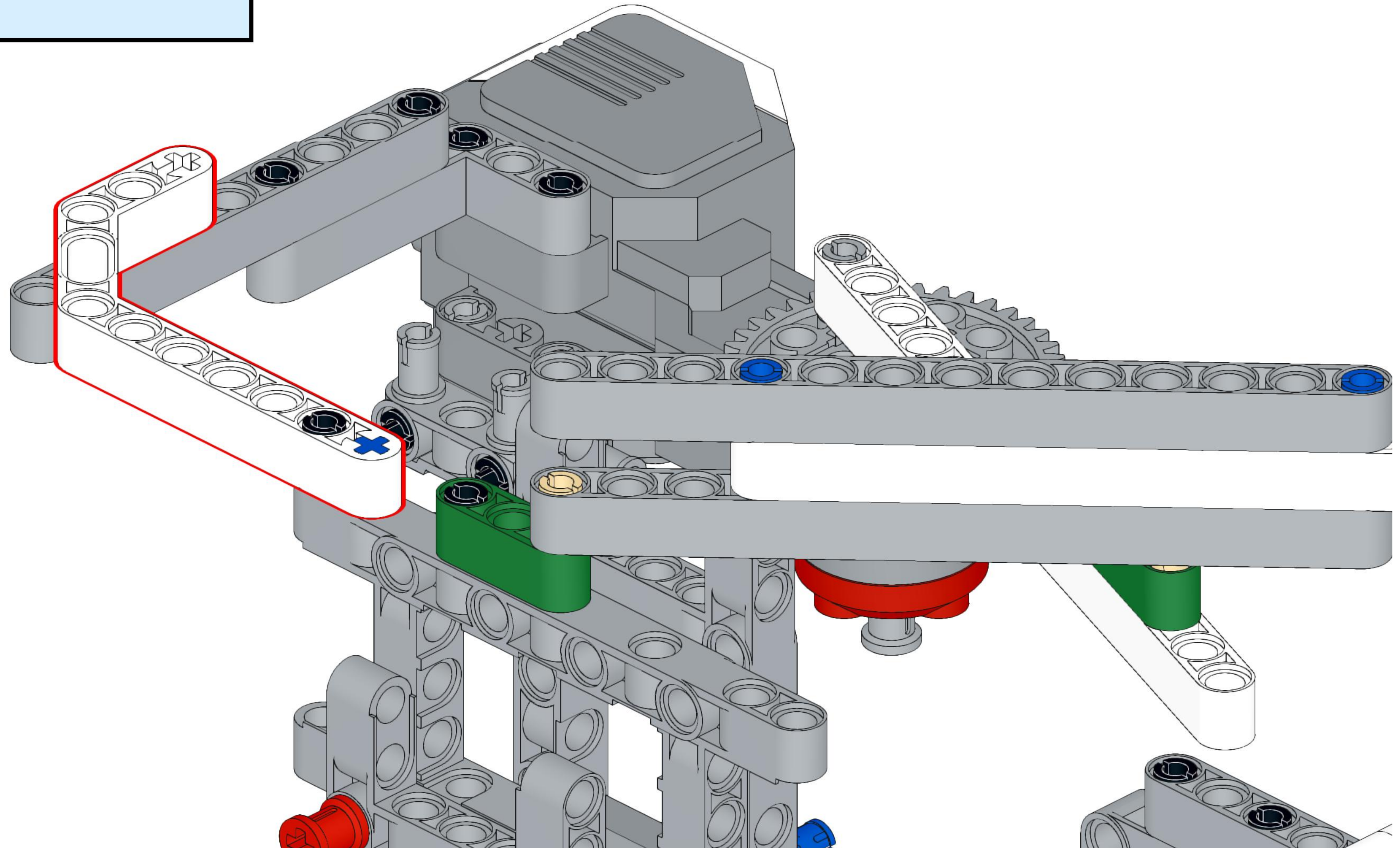
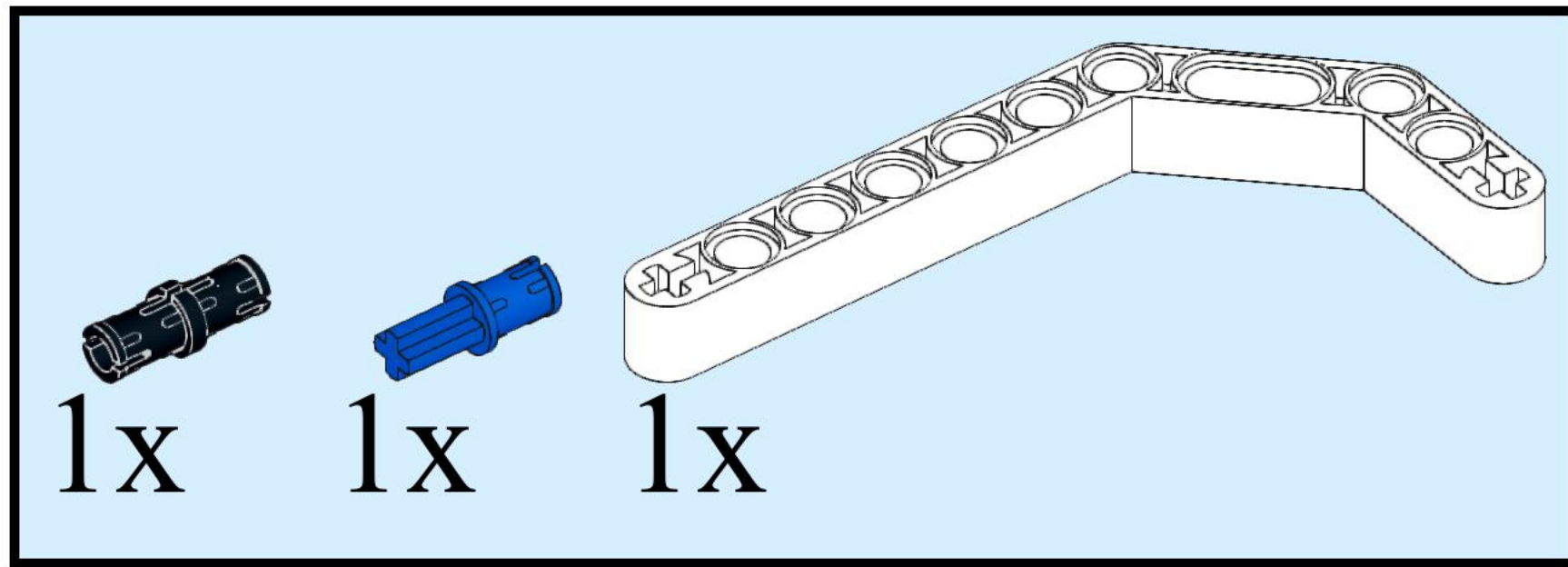
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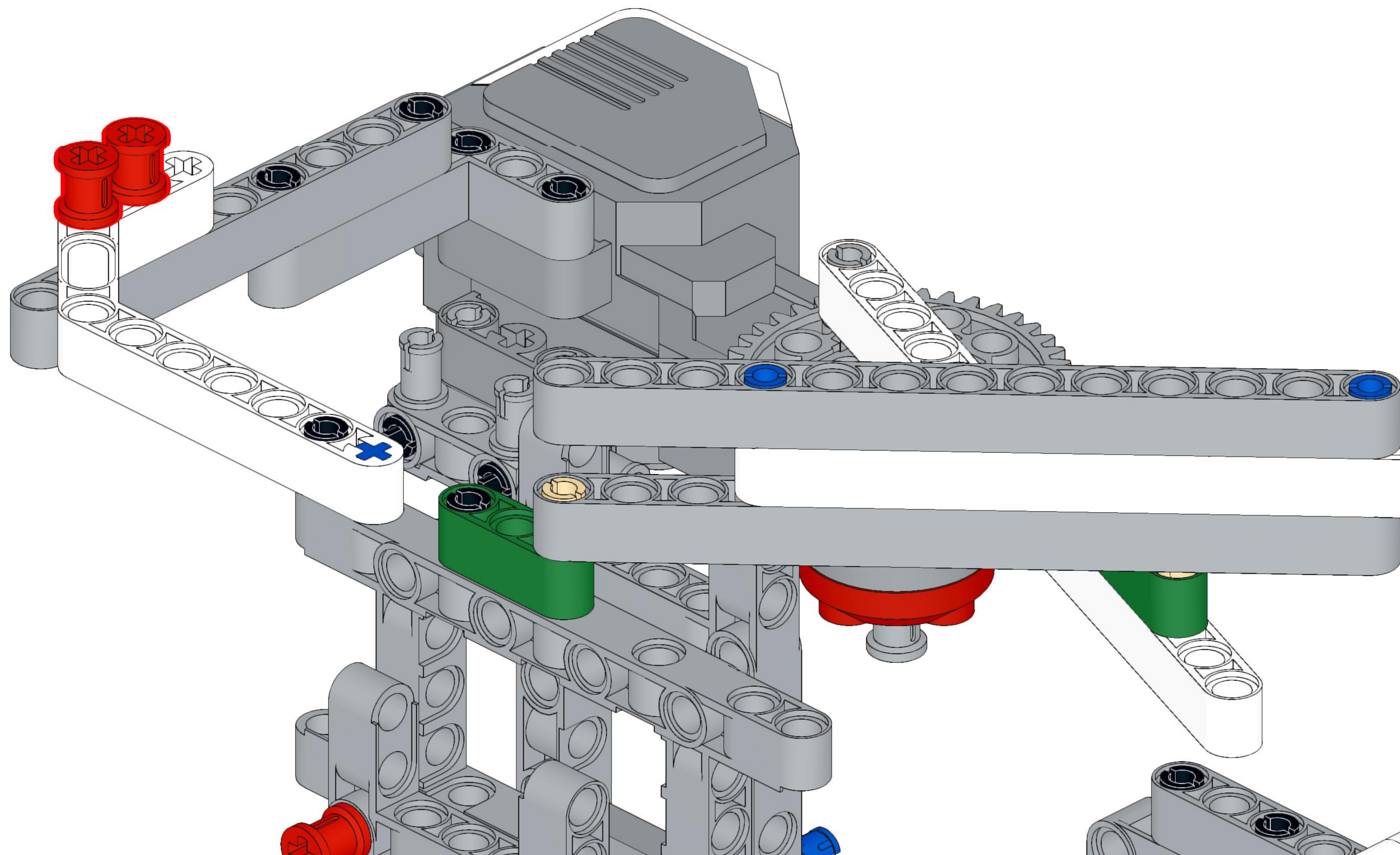
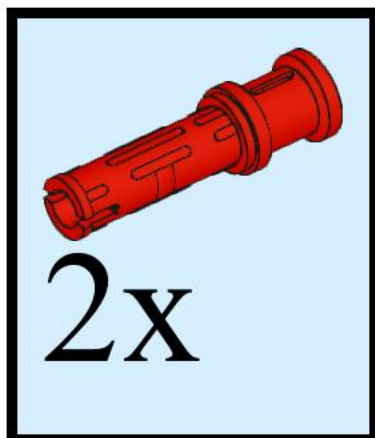
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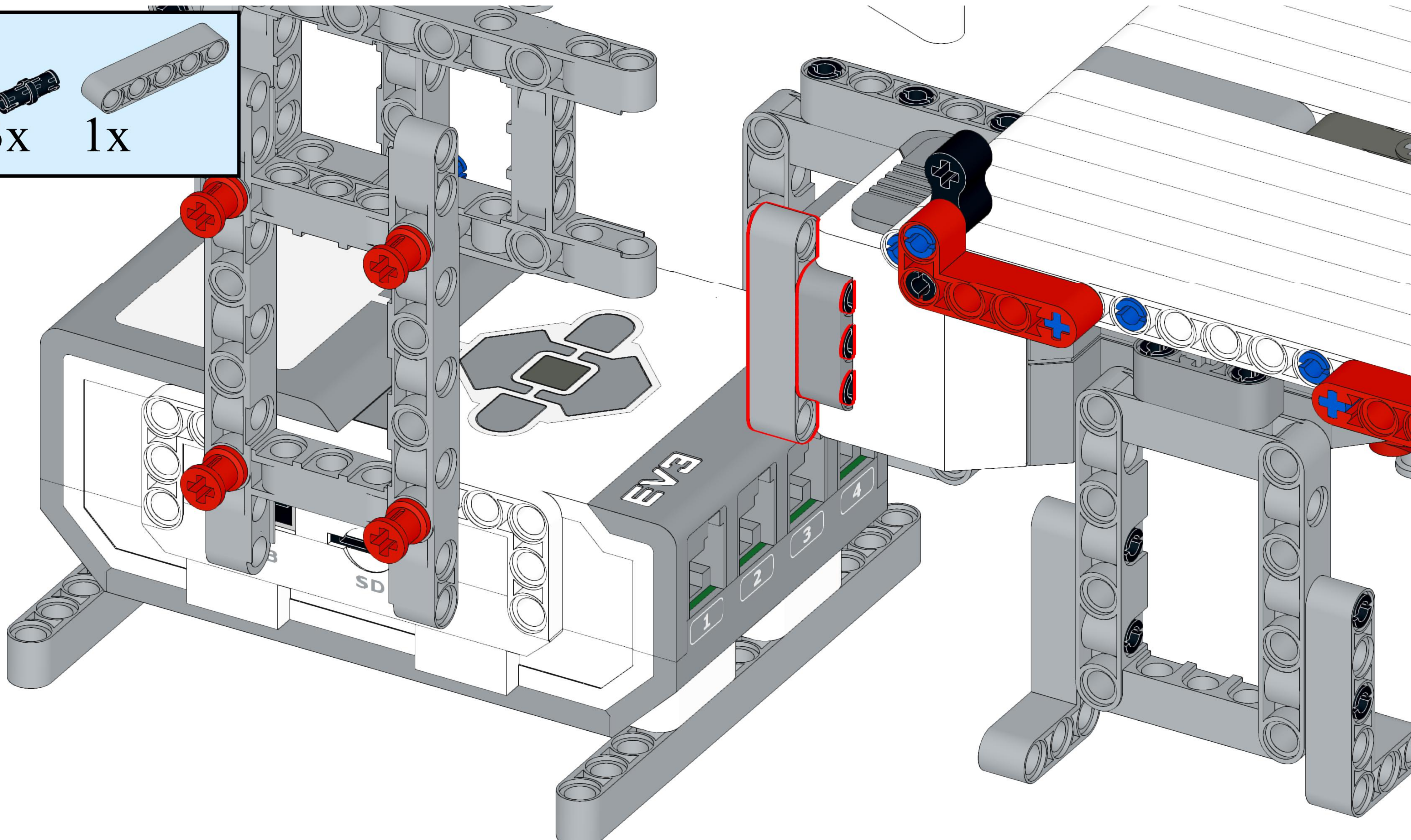
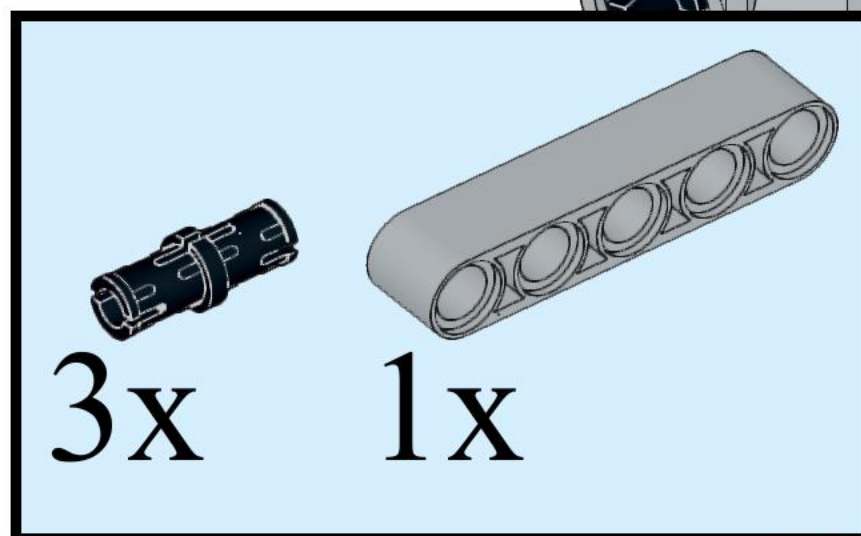
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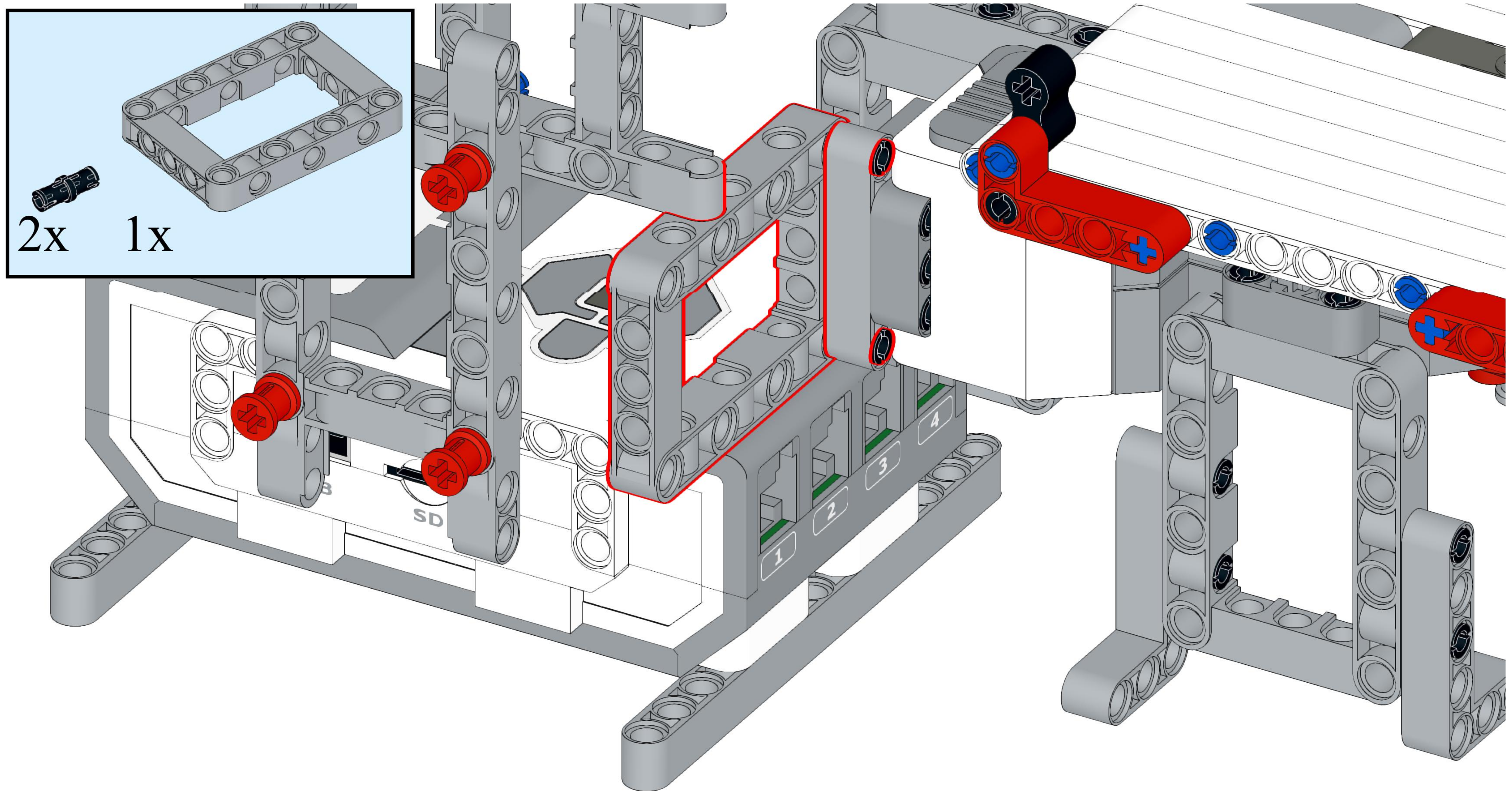
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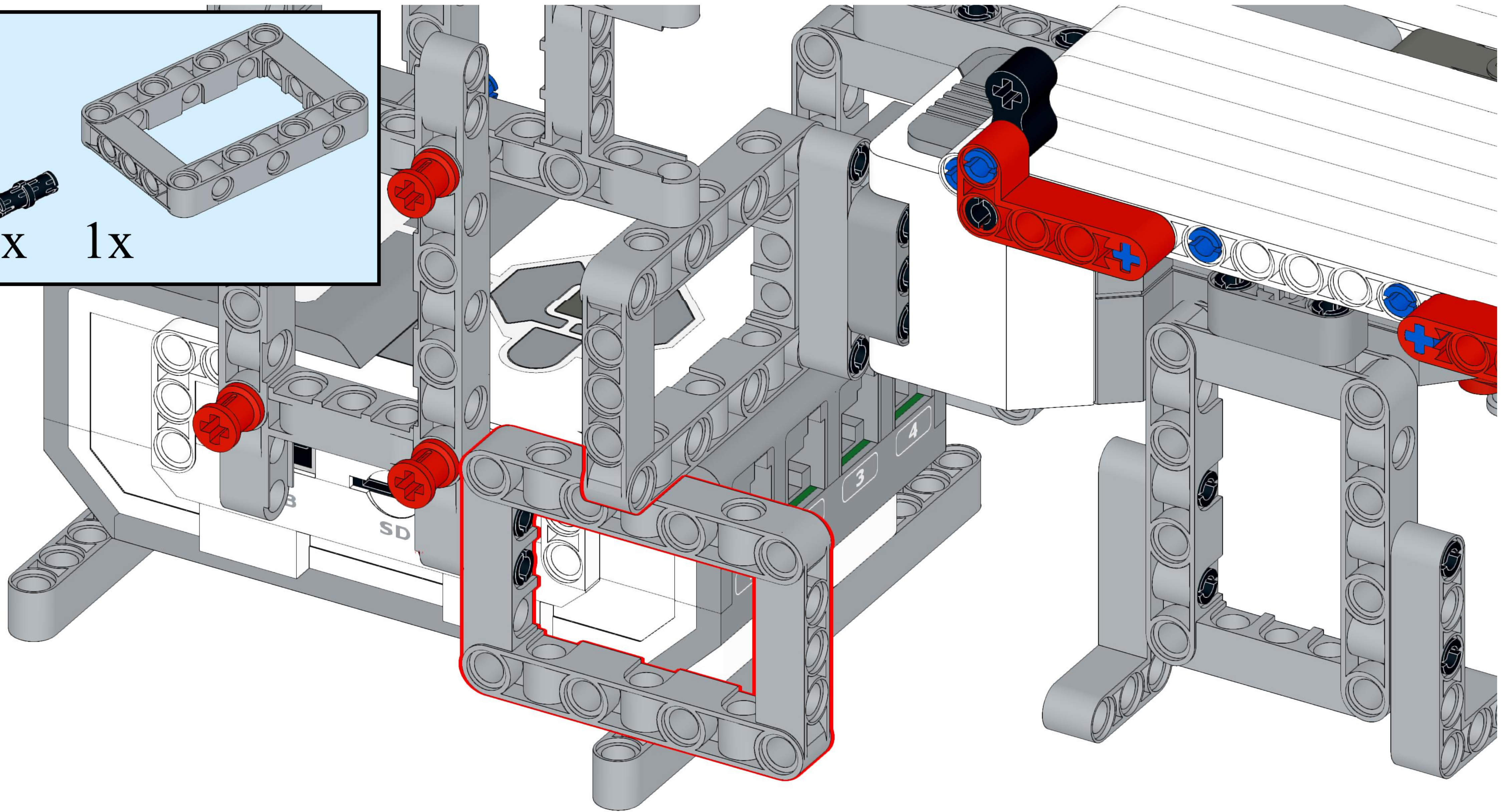
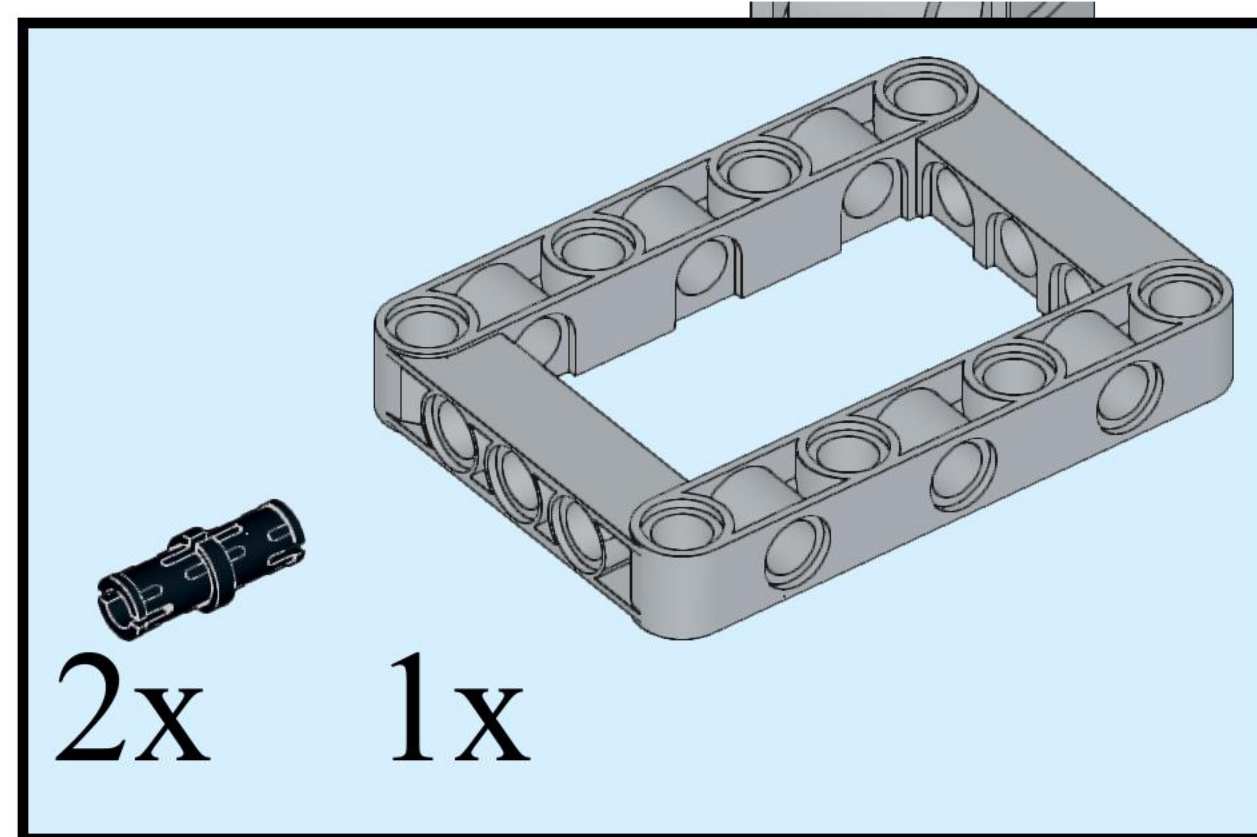
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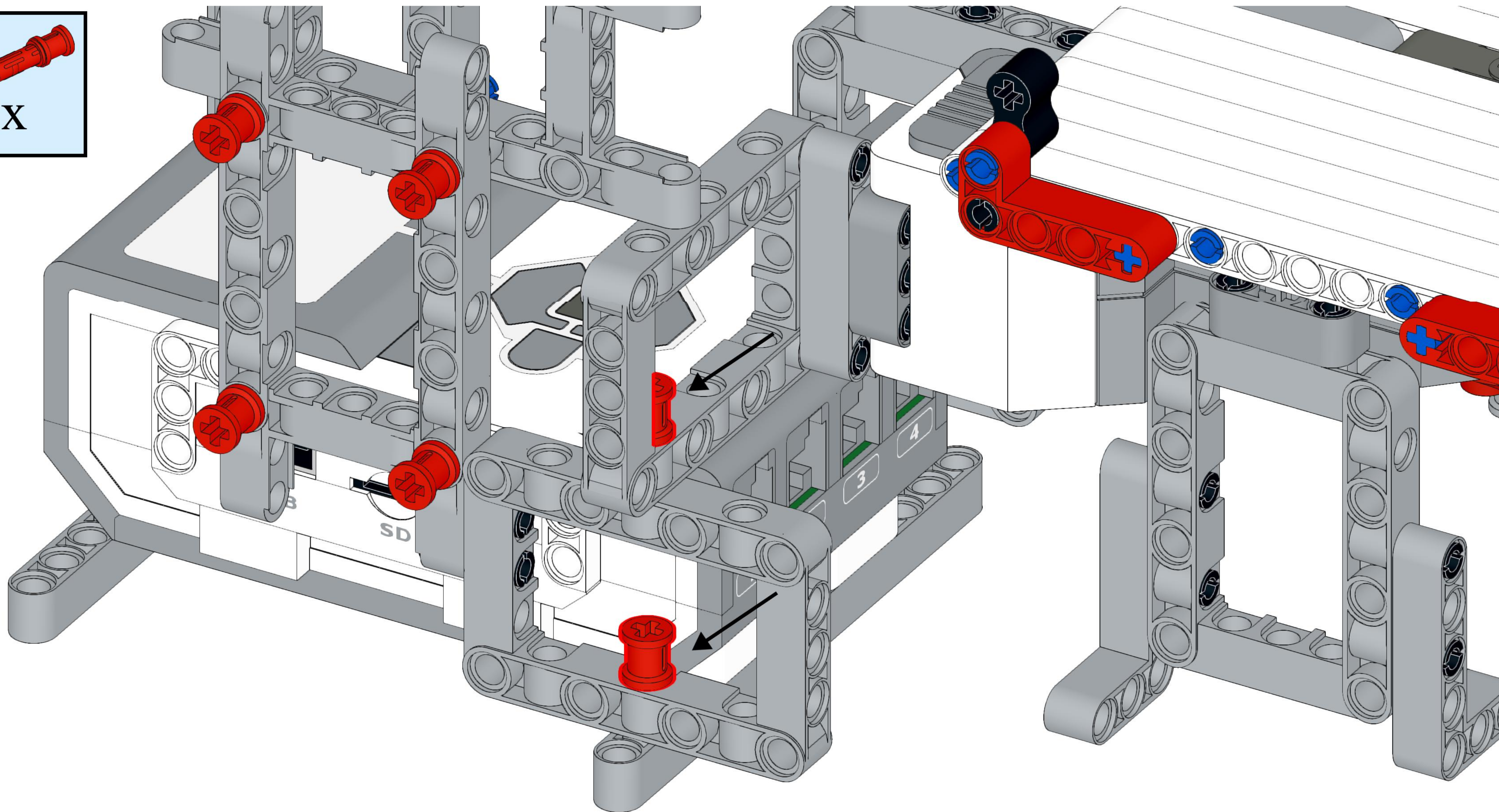
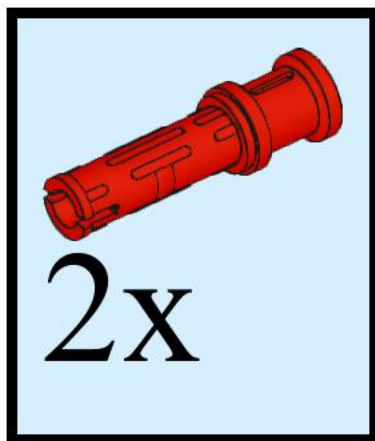
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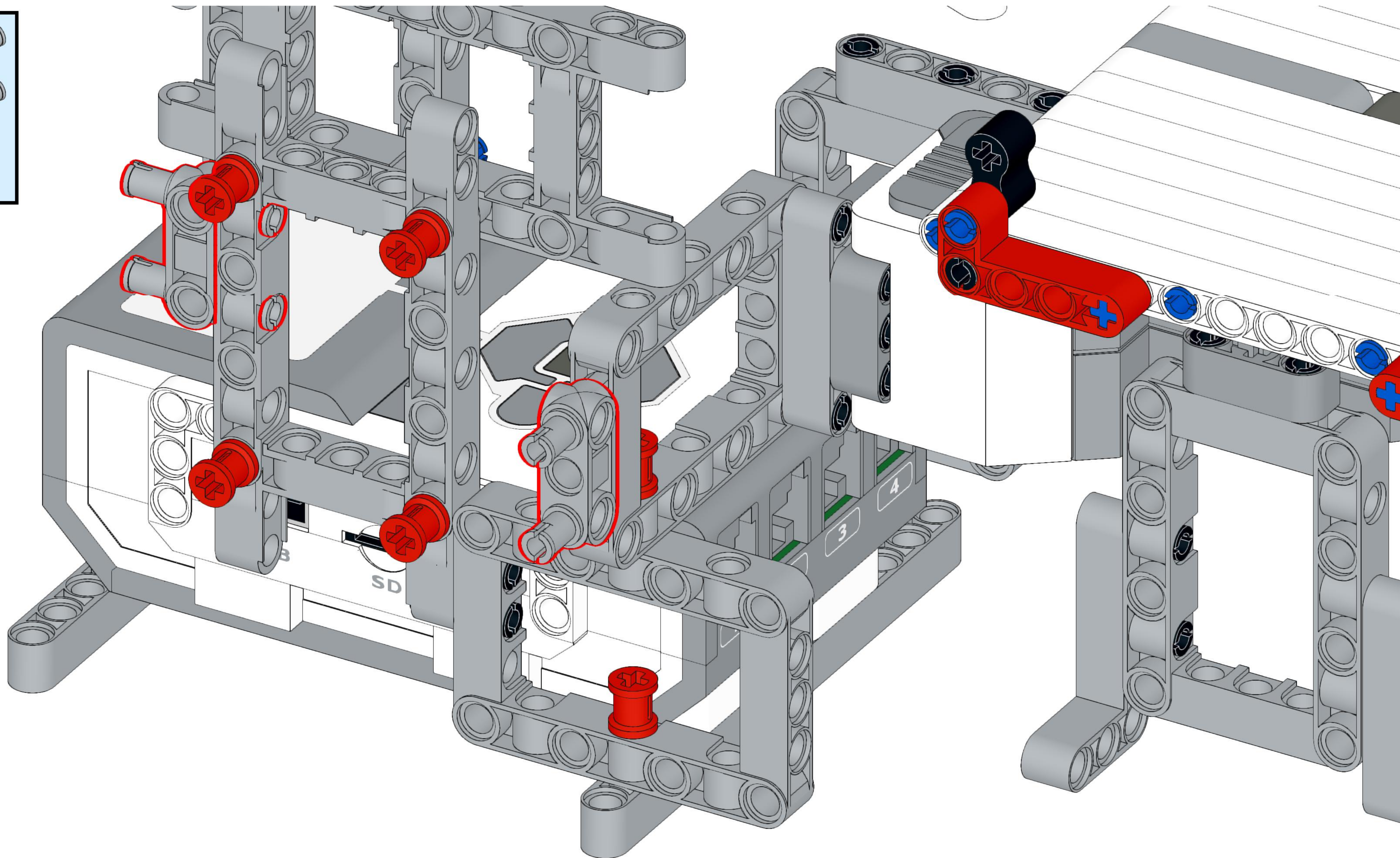
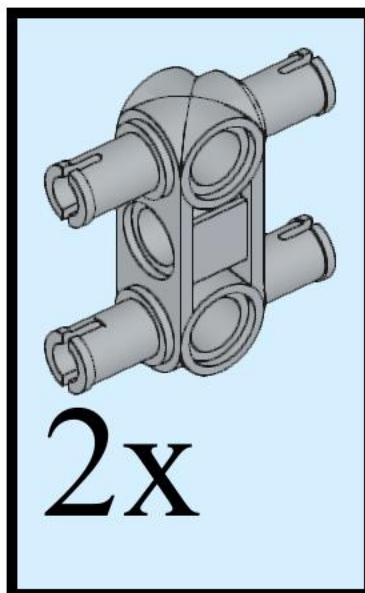
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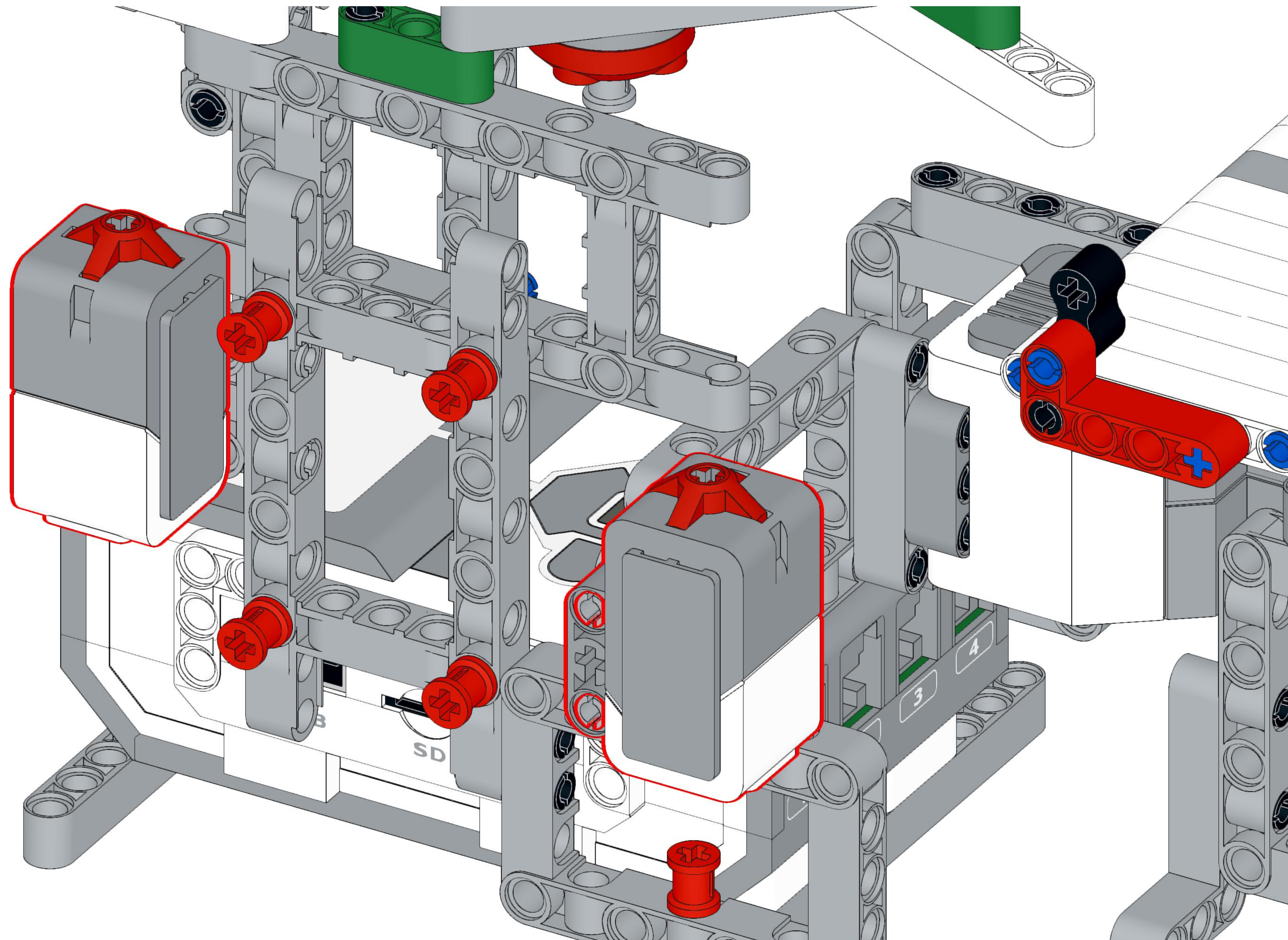
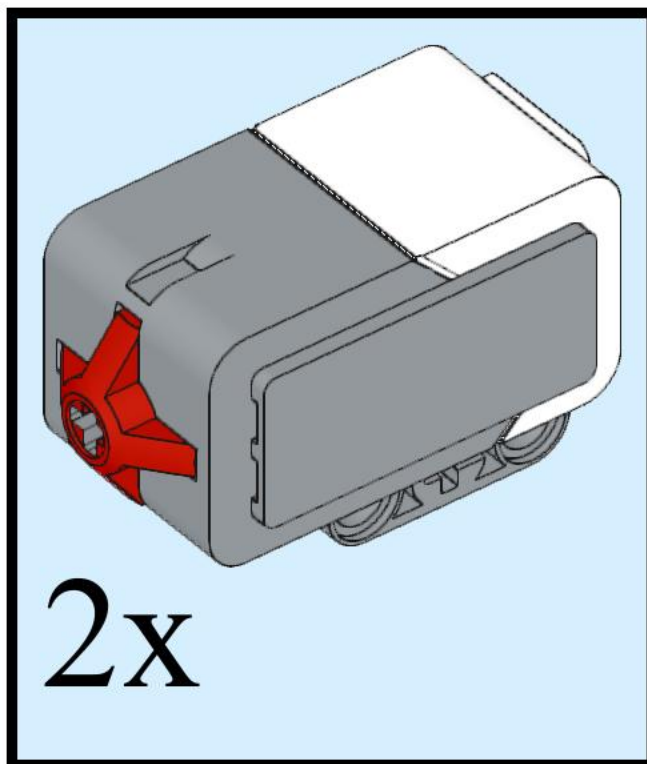
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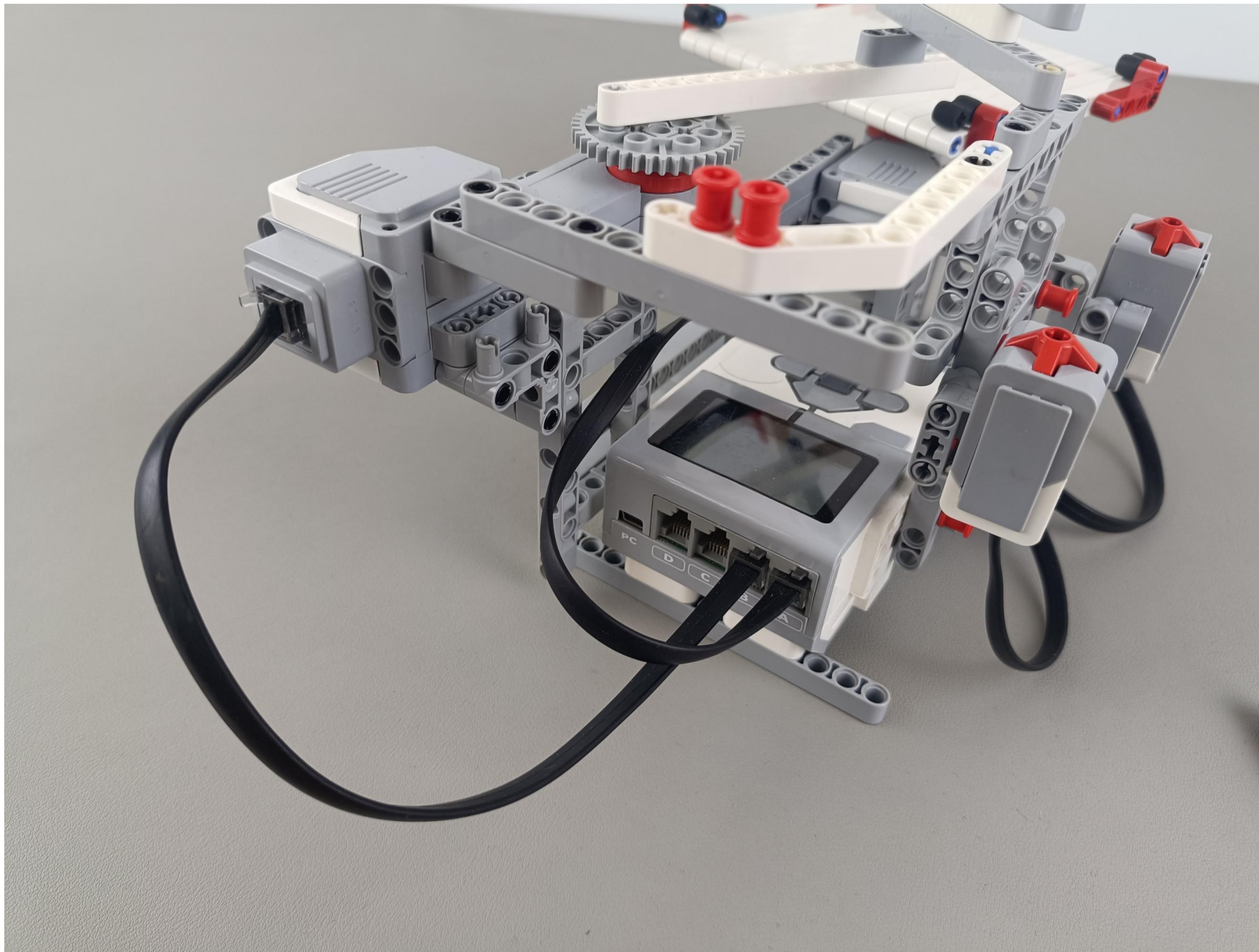


52



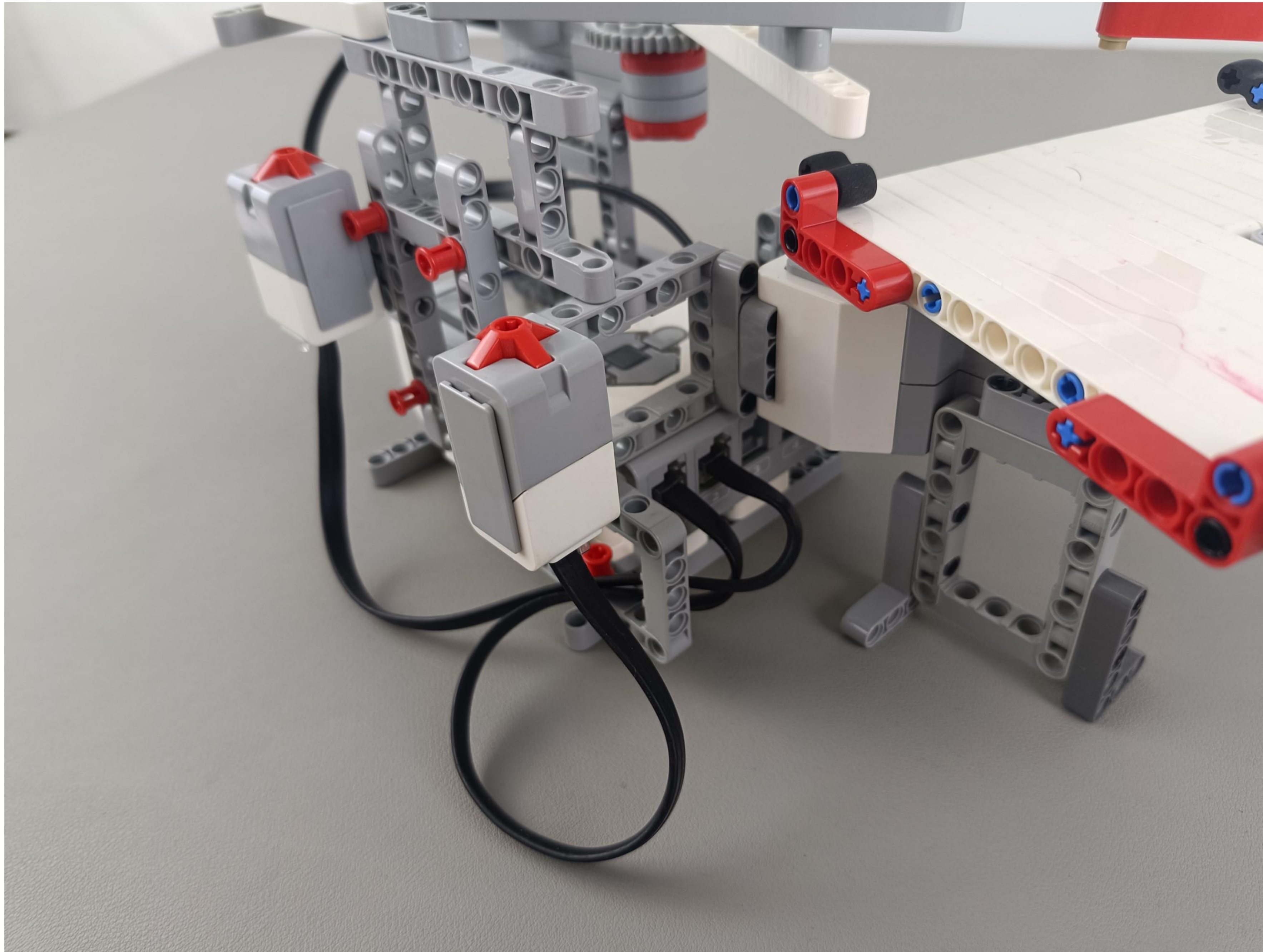
53





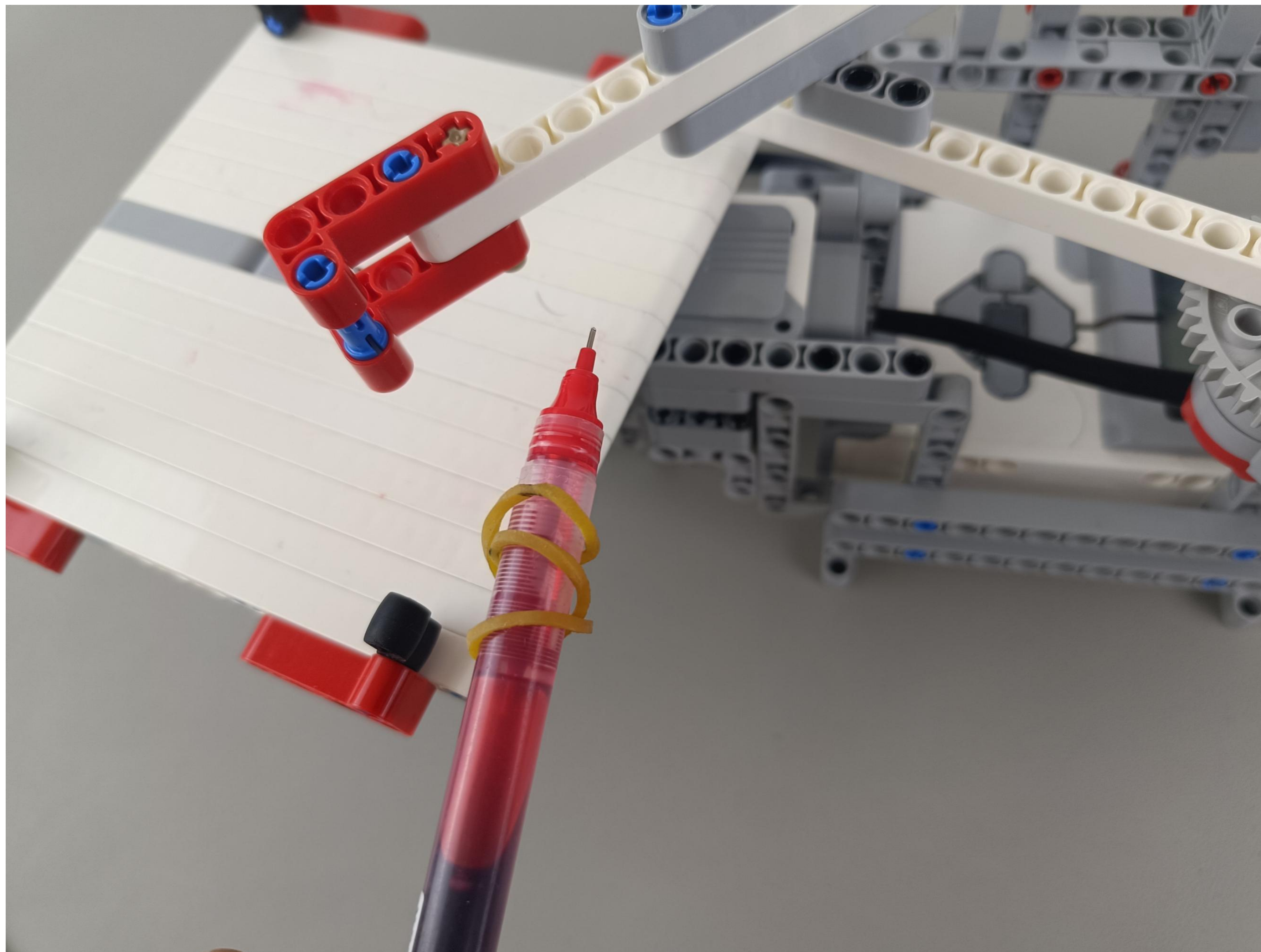
Connect the large motor data cable. The ports in the program I provided are (large motor: port A, port B)

连接大型电机数据线，我提供的程序中端口是（大型电机：A端口 B端口）

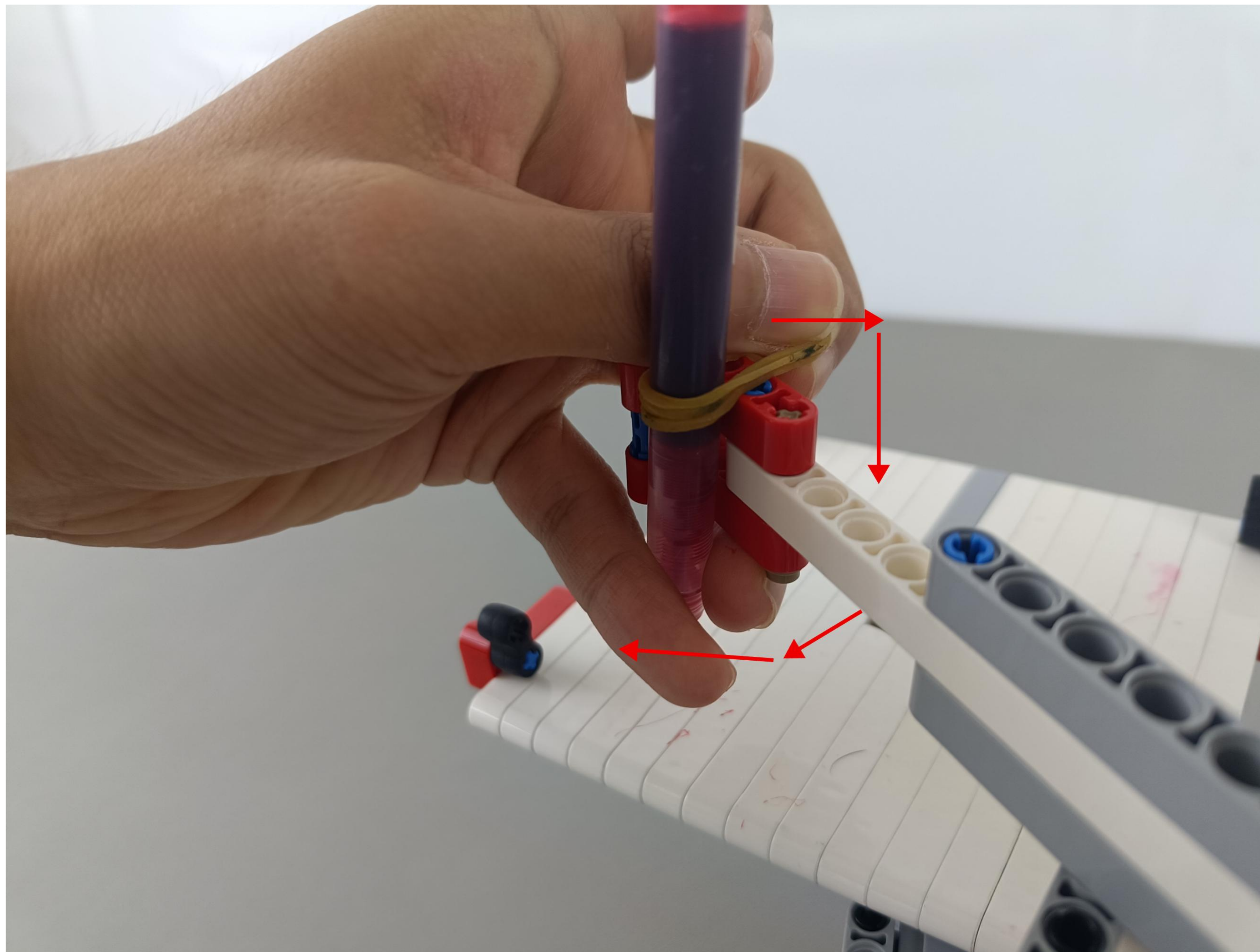


Connect the two button sensor data lines. The ports in the program I provided are (button sensor: port 1 and port 2)

连接两个按键传感器数据线，我提供的程序中端口是（按键传感器：1端口 2端口）

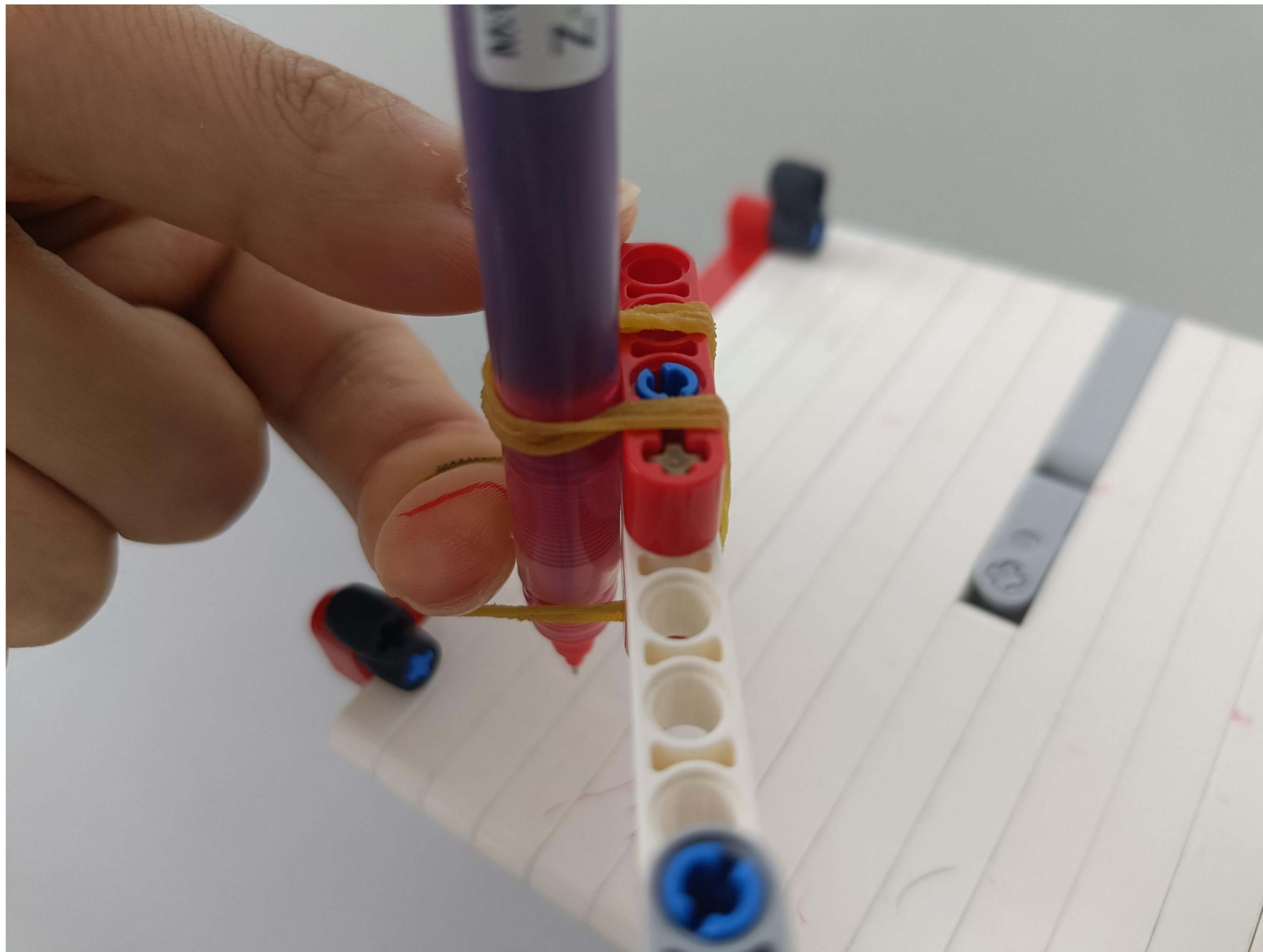


Find a rubber band and wrap it around the pen two to three times (depending on the length of your rubber band, if it is too long, wrap it three times)
找一根橡皮筋，在笔上绕两圈到三圈（看你的皮筋长度，太长就缠绕三圈）



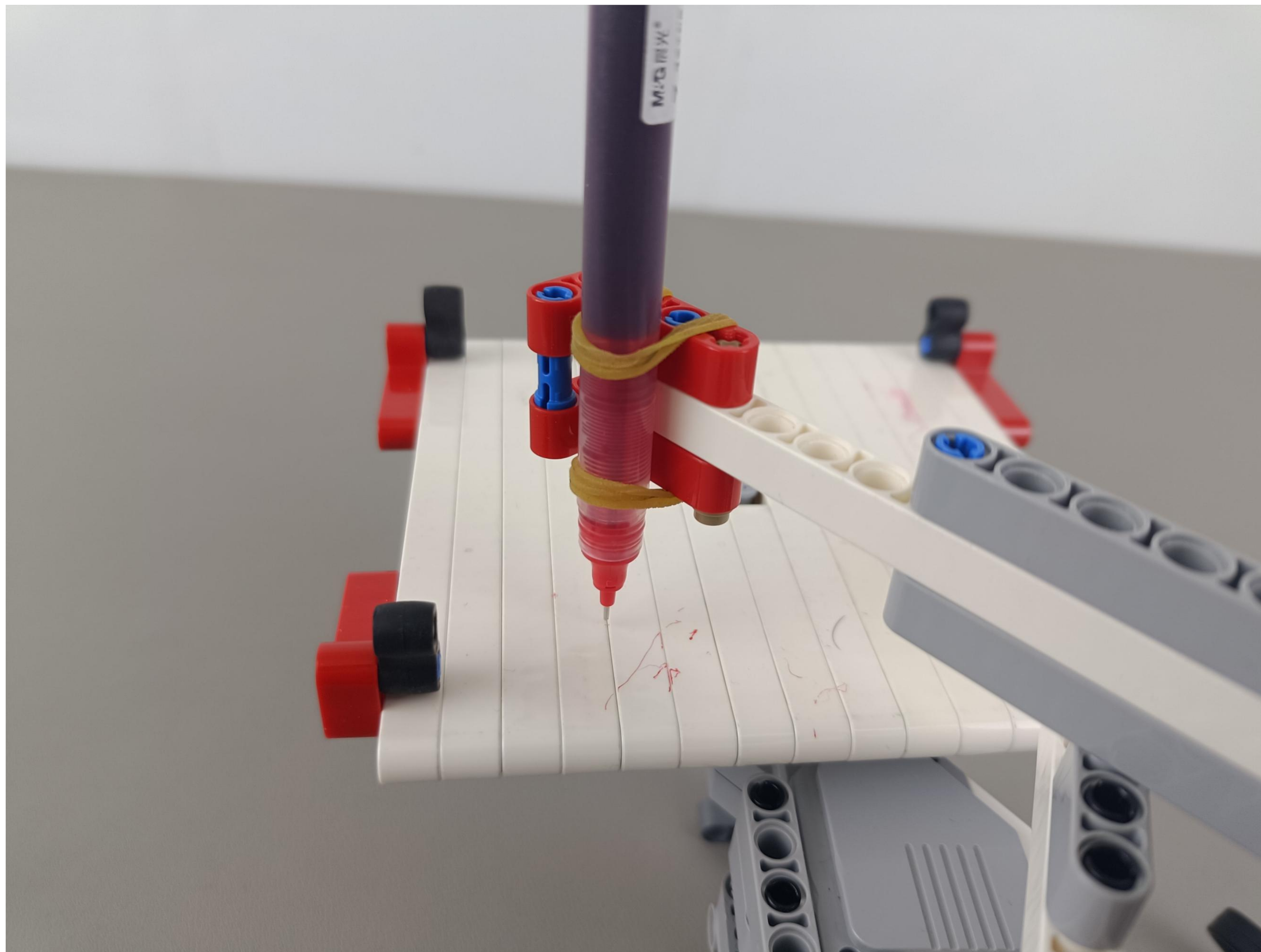
Stretch the rubber band, pass it through the lower end of the pen as shown by the arrow, and then wrap it around the tip of the pen.

拉长橡皮筋，像图示箭头路线穿过笔的下端，再套住笔尖部分



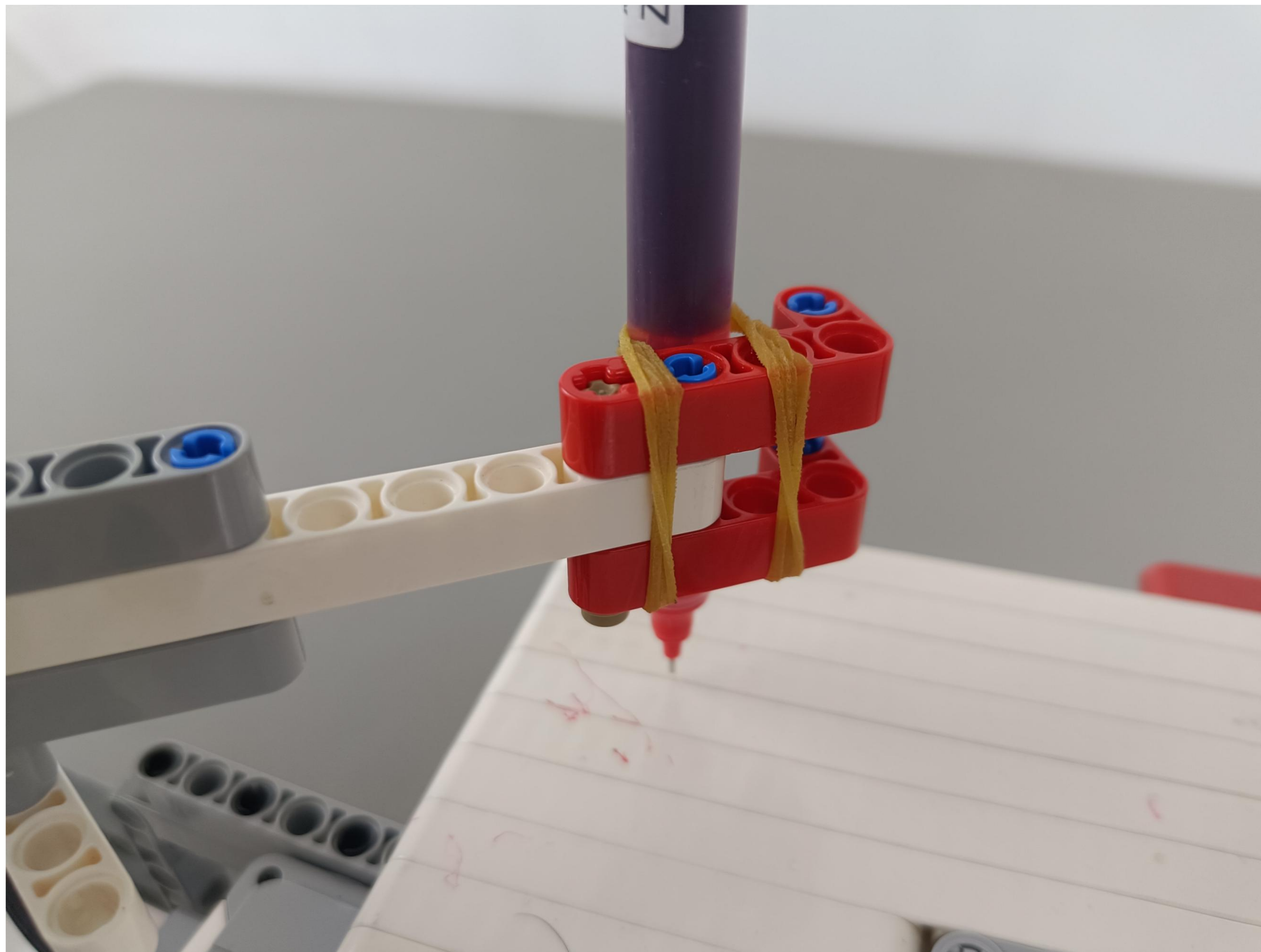
as the picture shows

如图所示



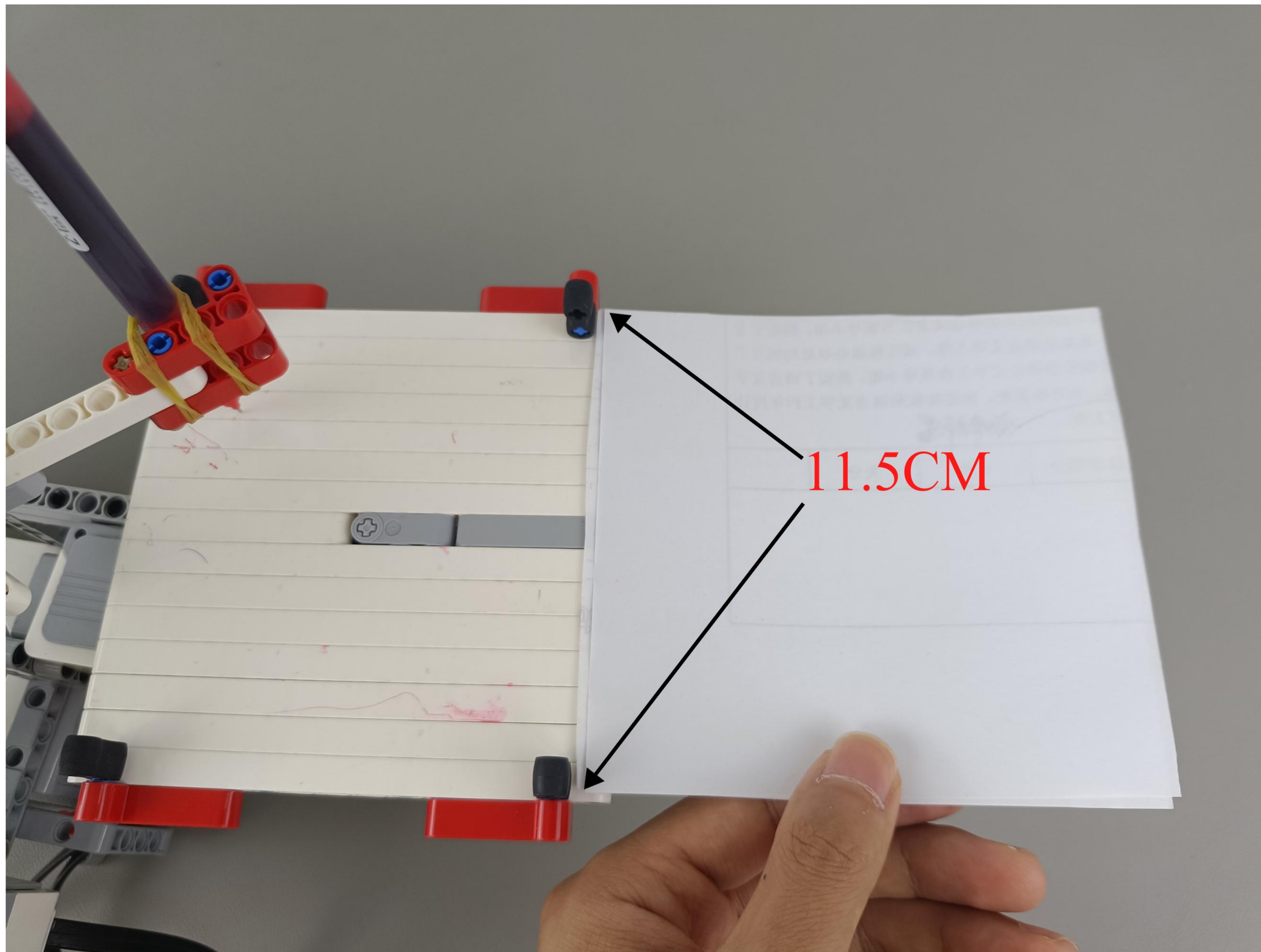
as the picture shows

如图所示



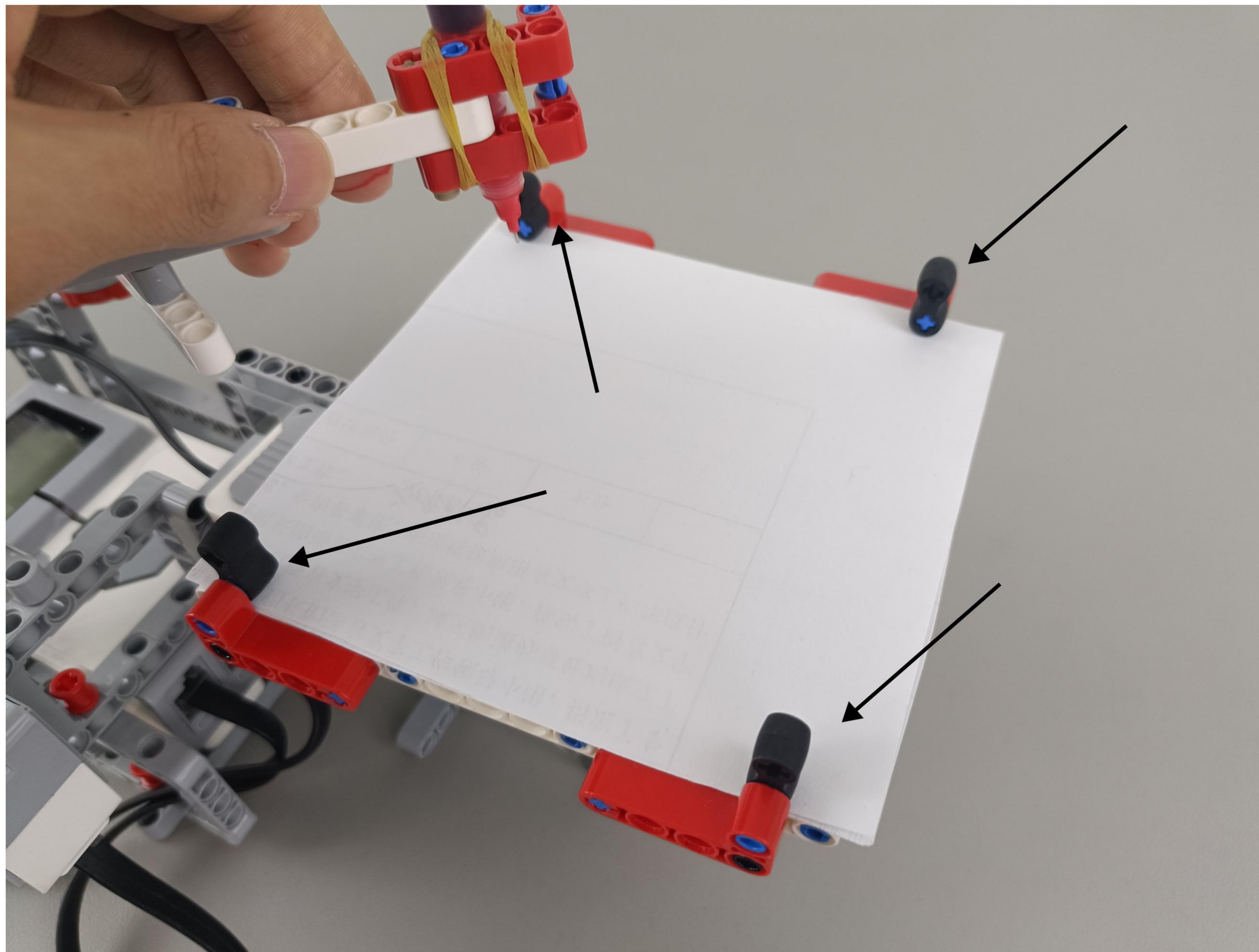
as the picture shows

如图所示



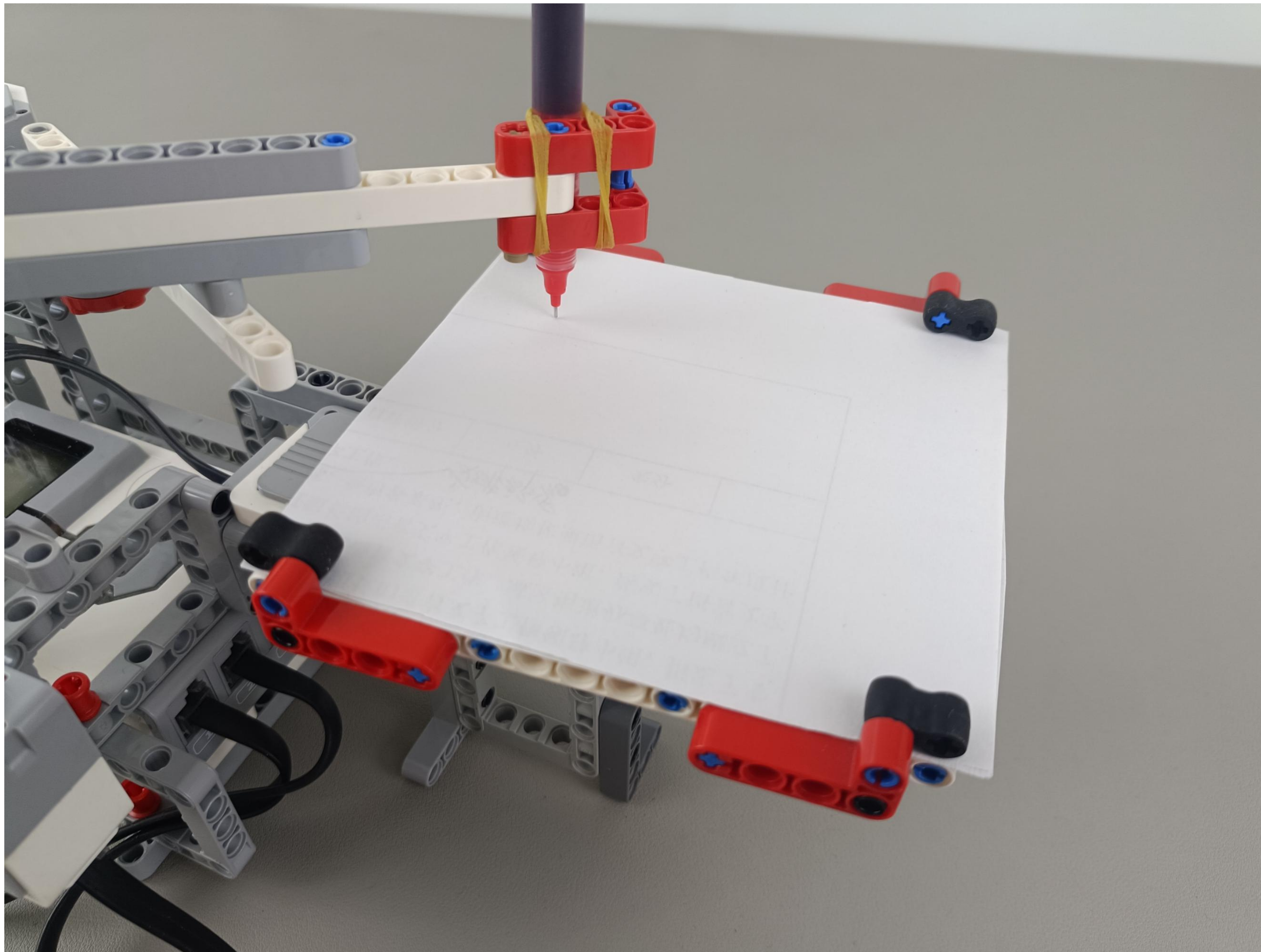
Find two pieces of white paper about 11.5cm wide and insert them into the drawing board.

找两张宽约11.5CM左右的白纸，穿入画板



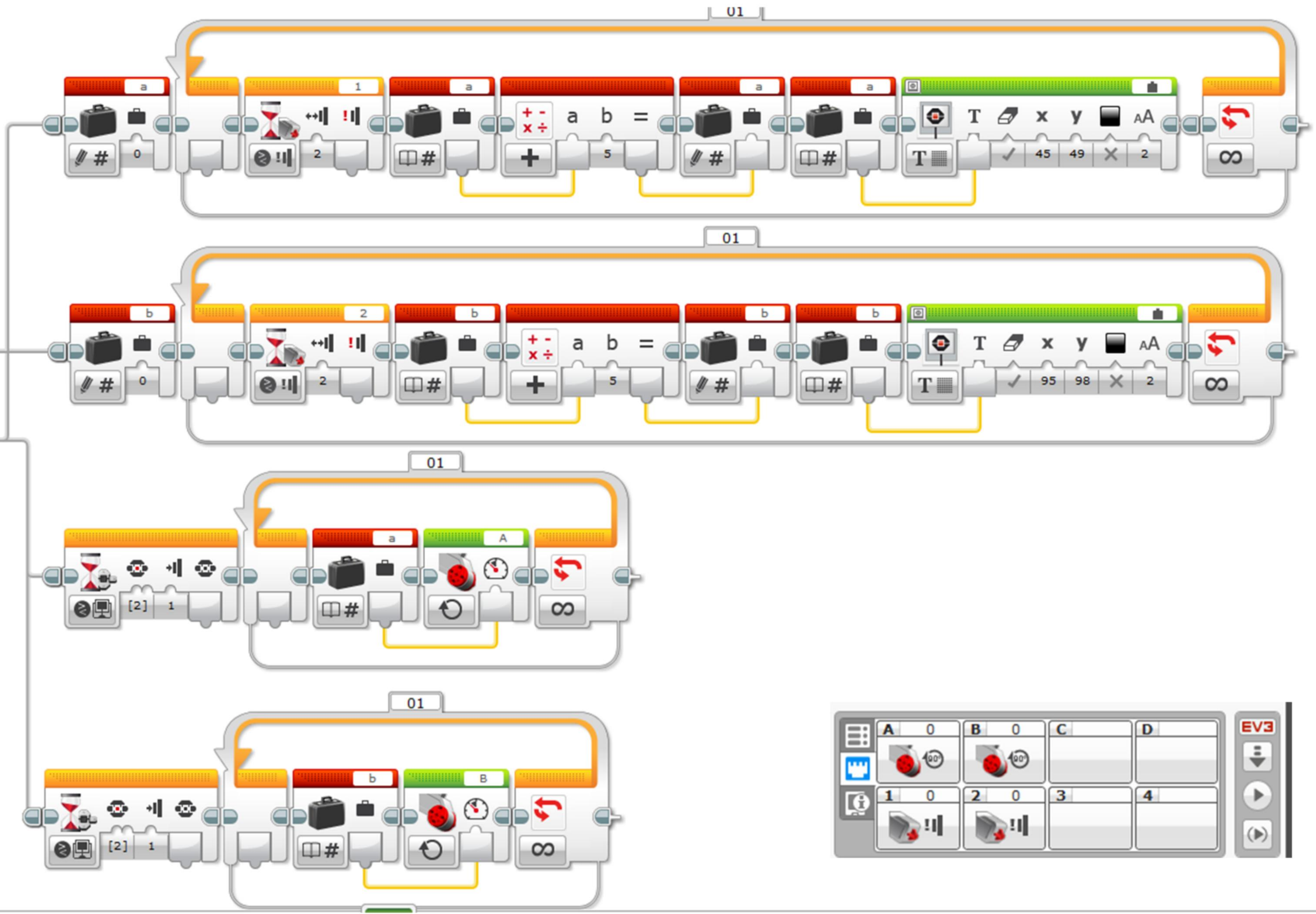
Rotate the four
black rubber parts
to hold the paper
down

旋转四个黑色橡胶
零件，压住纸张



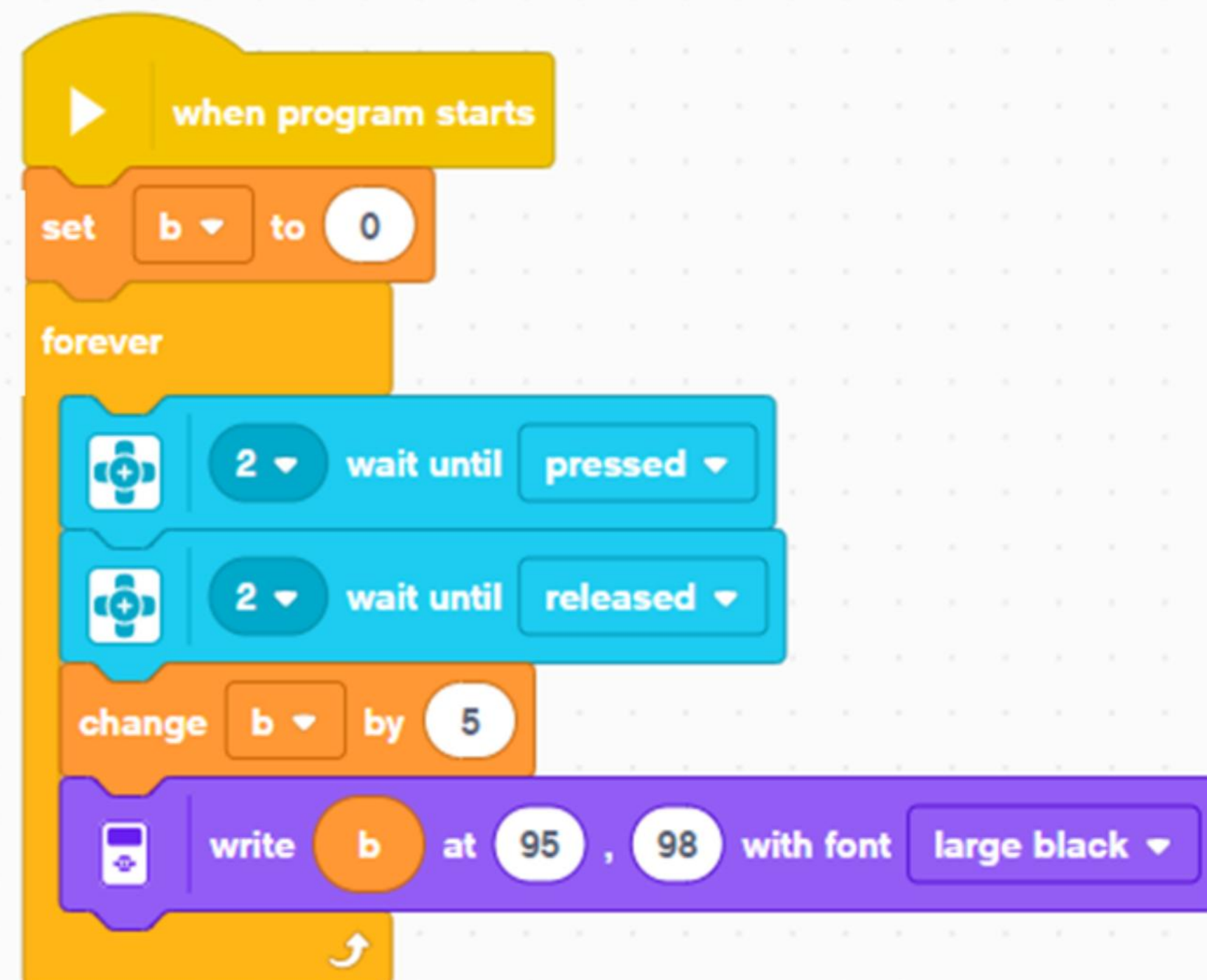
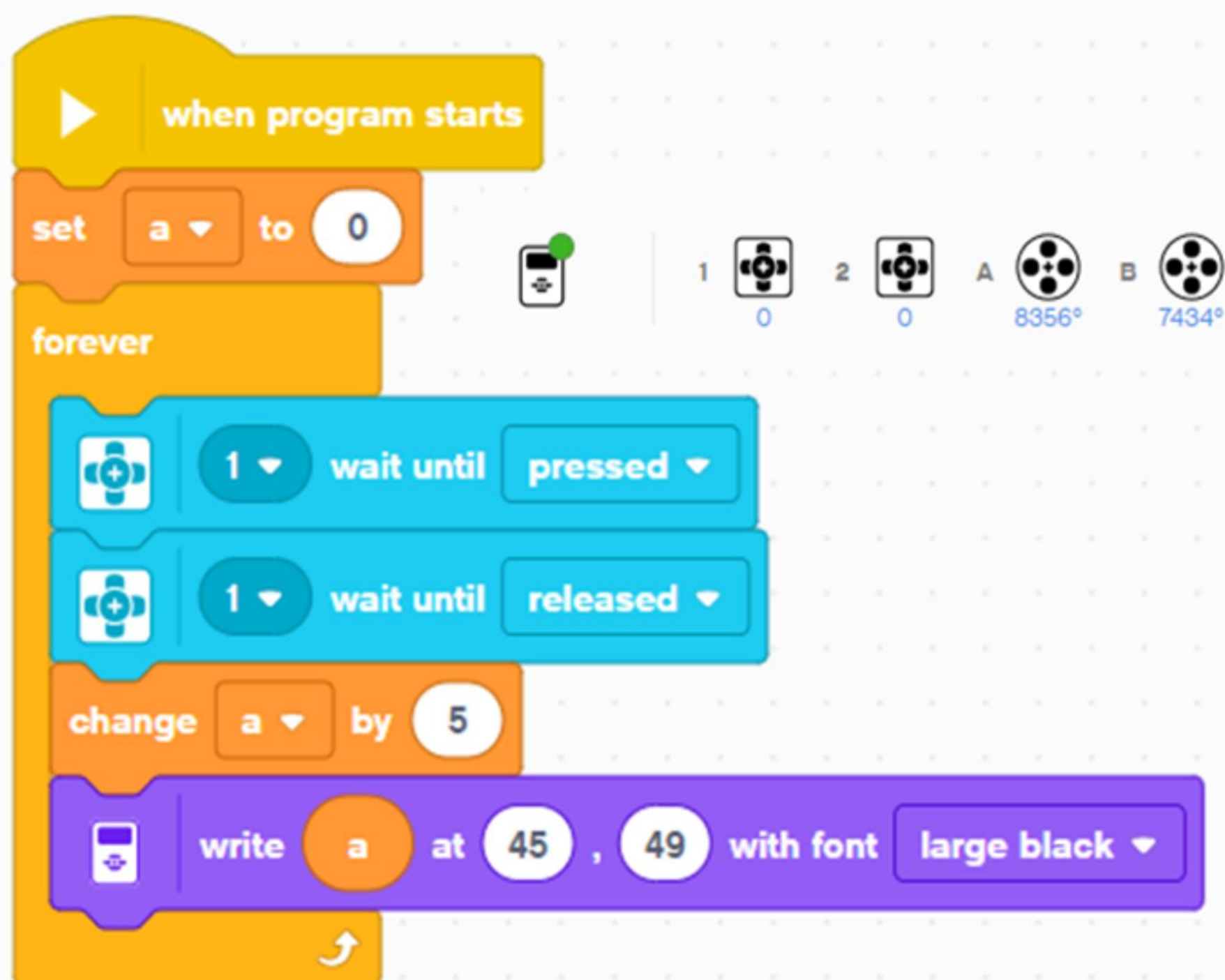
Adjust the distance between the pen tip and the paper so that the pen tip just touches the paper.

调整笔尖与纸张的距离，使笔尖恰好落到纸张上



A	0	B	0	C		D	
1	0	2	0	3		4	

EV3
[Buttons: Down arrow, Play, Stop]





Mr. Da Zhuang

Youtube  **me!**