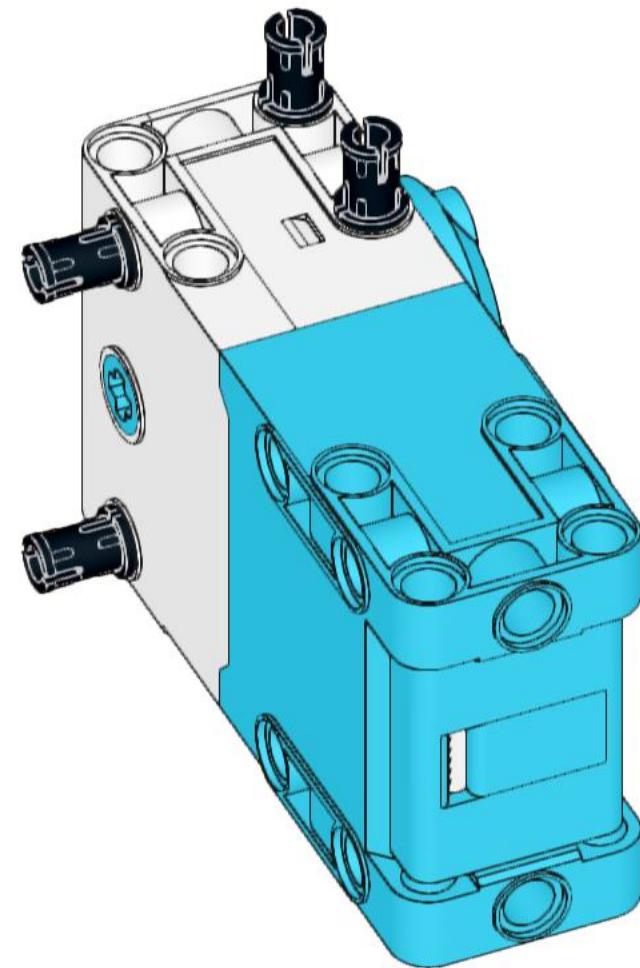
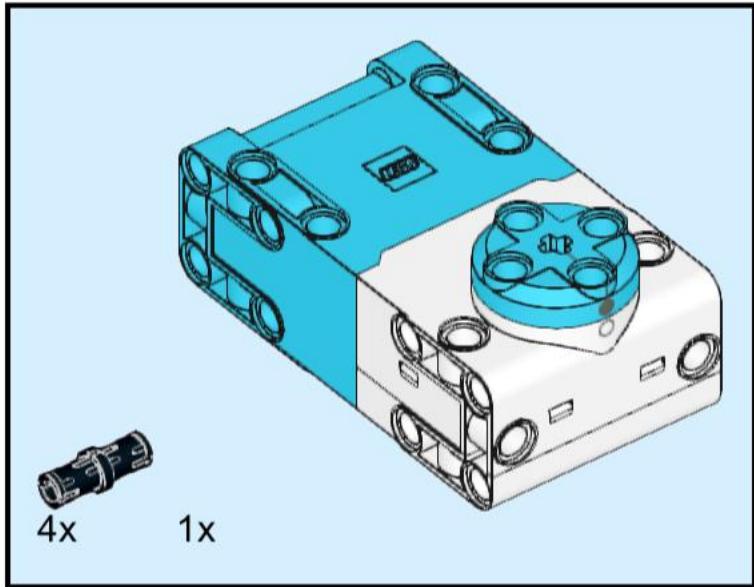
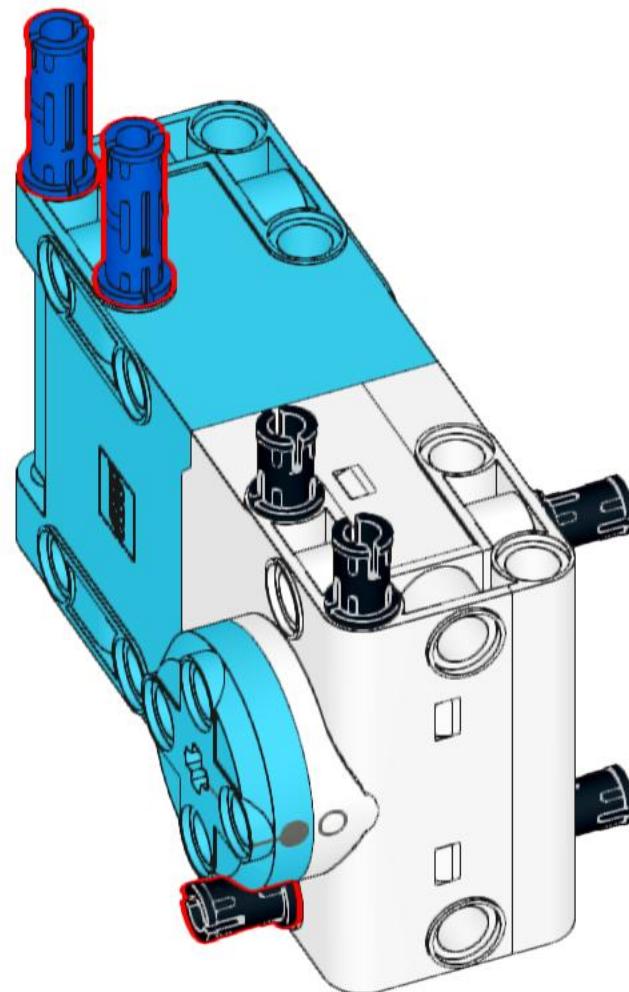
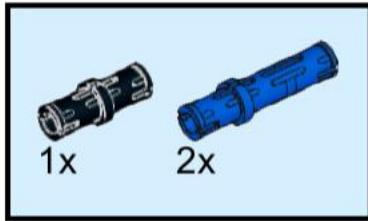


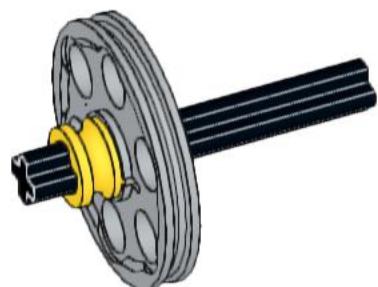
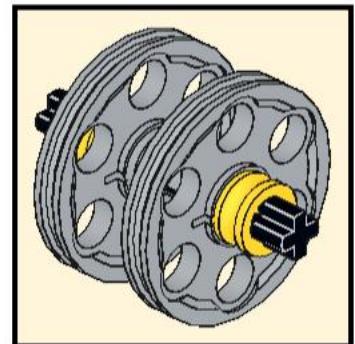
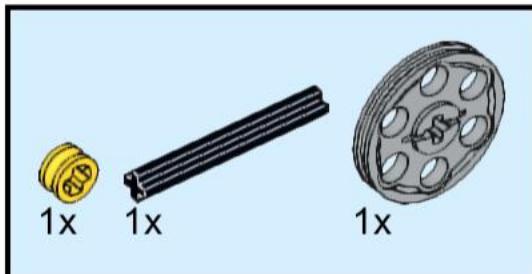
**1**



2

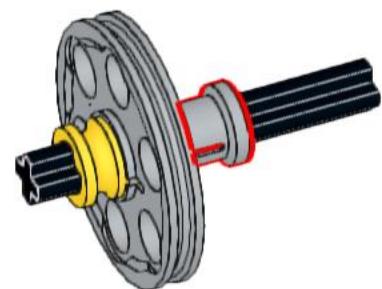
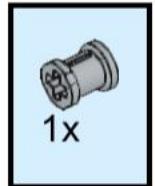


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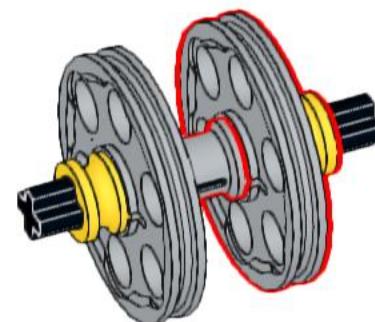
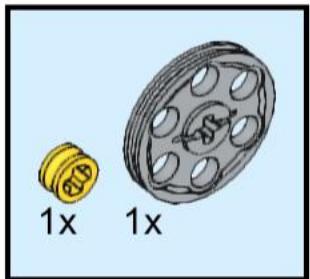


4 1:1

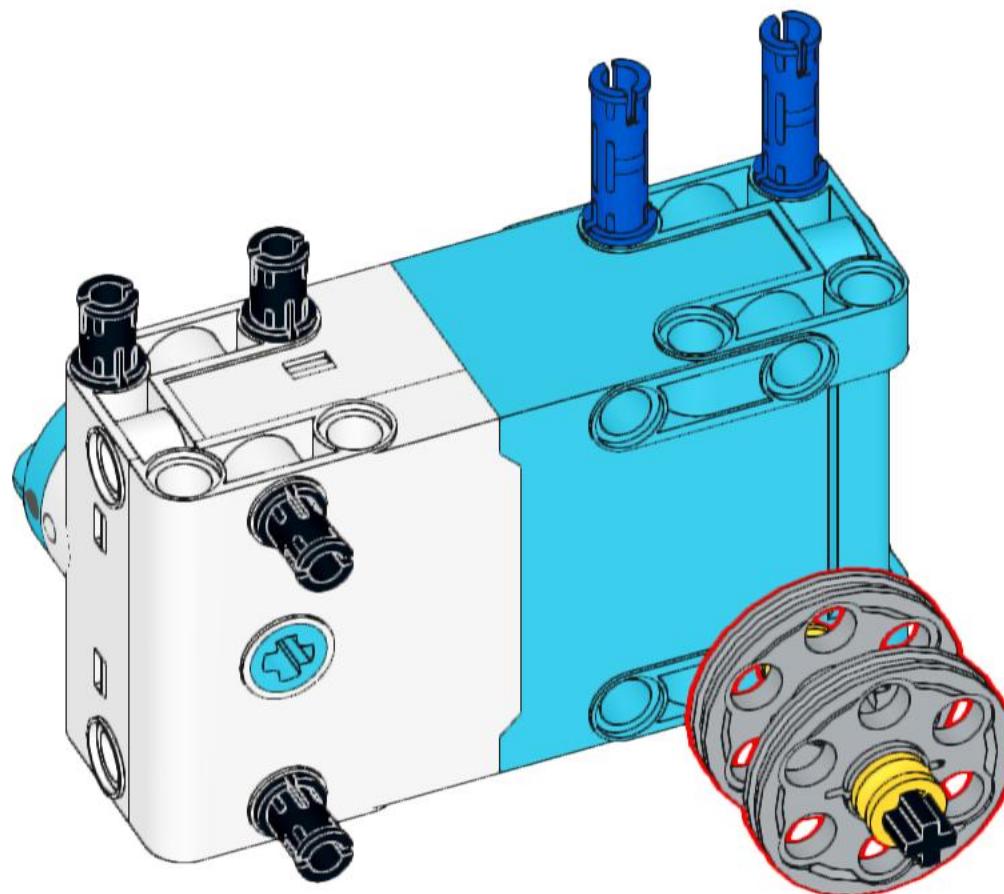
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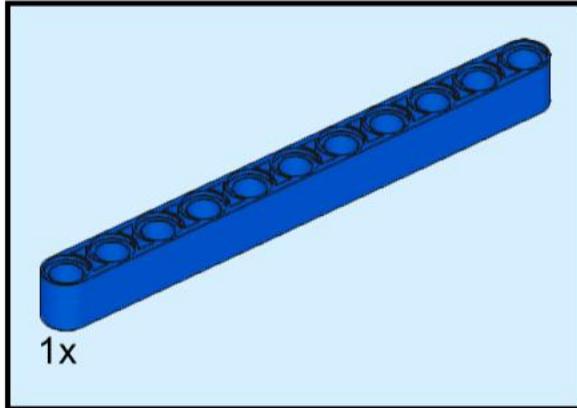
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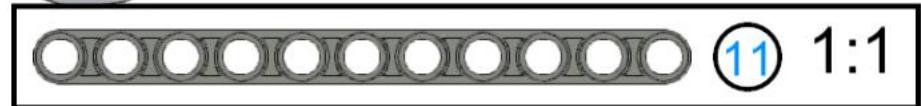
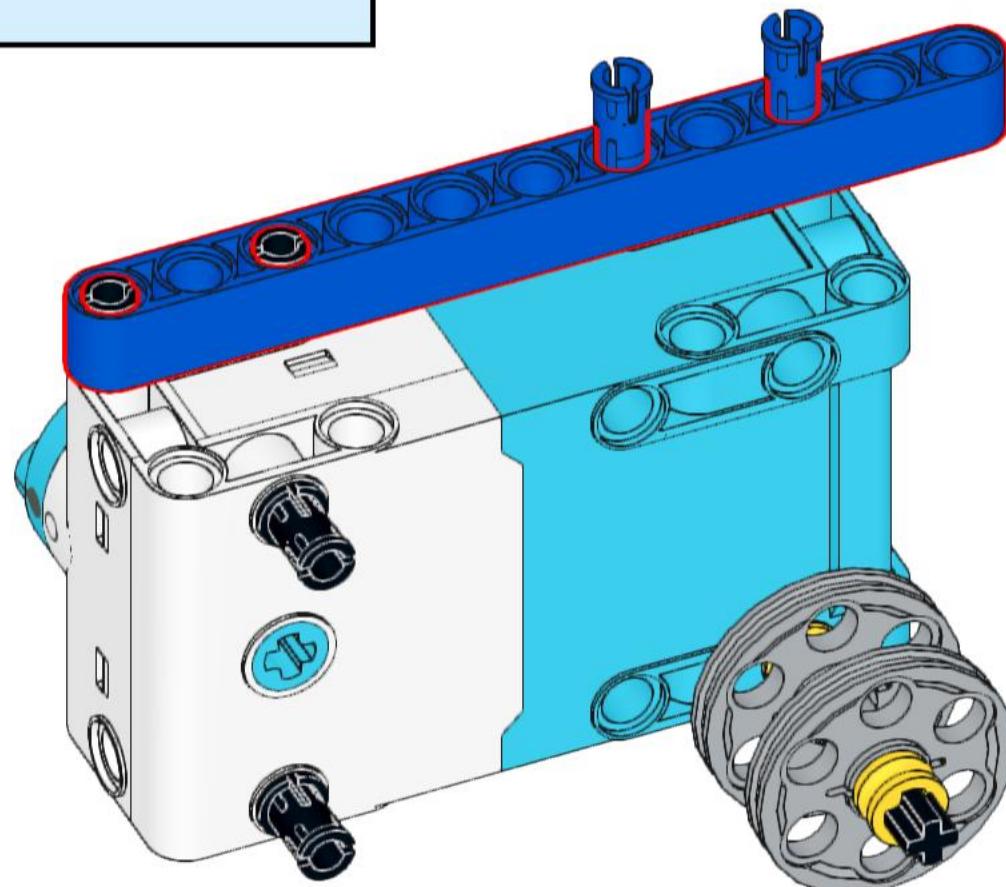
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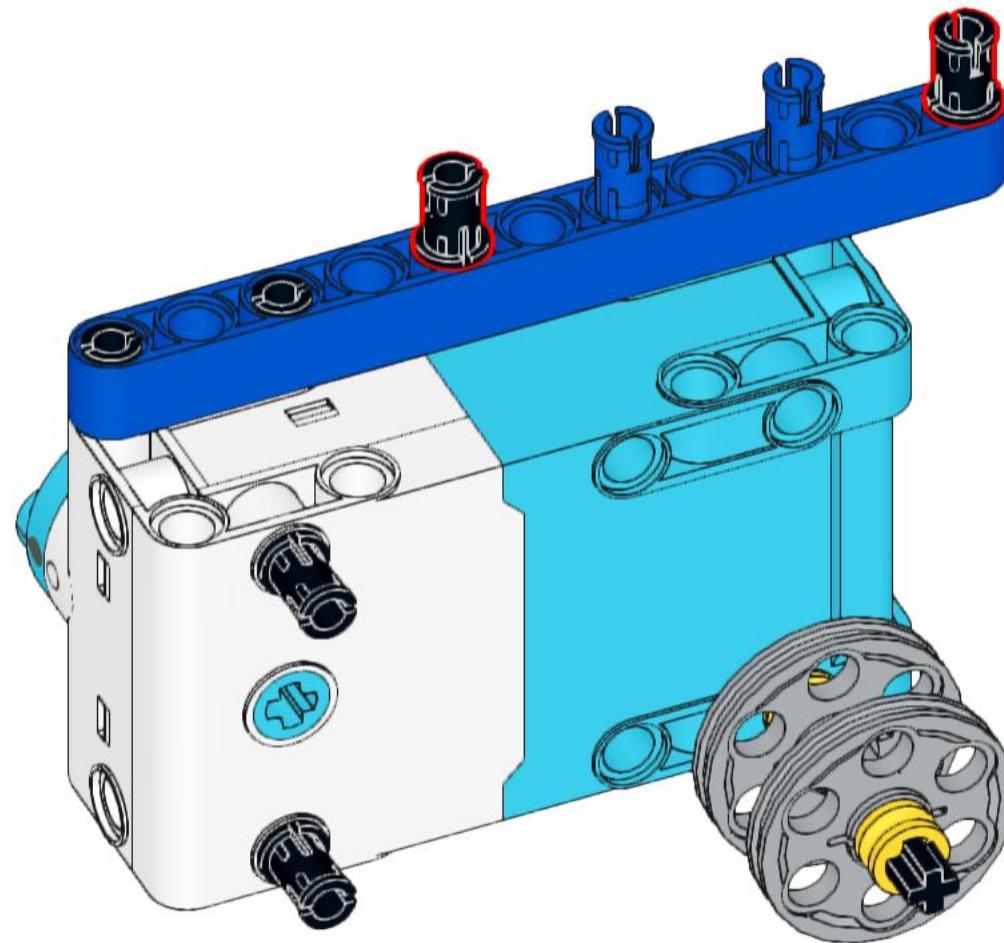
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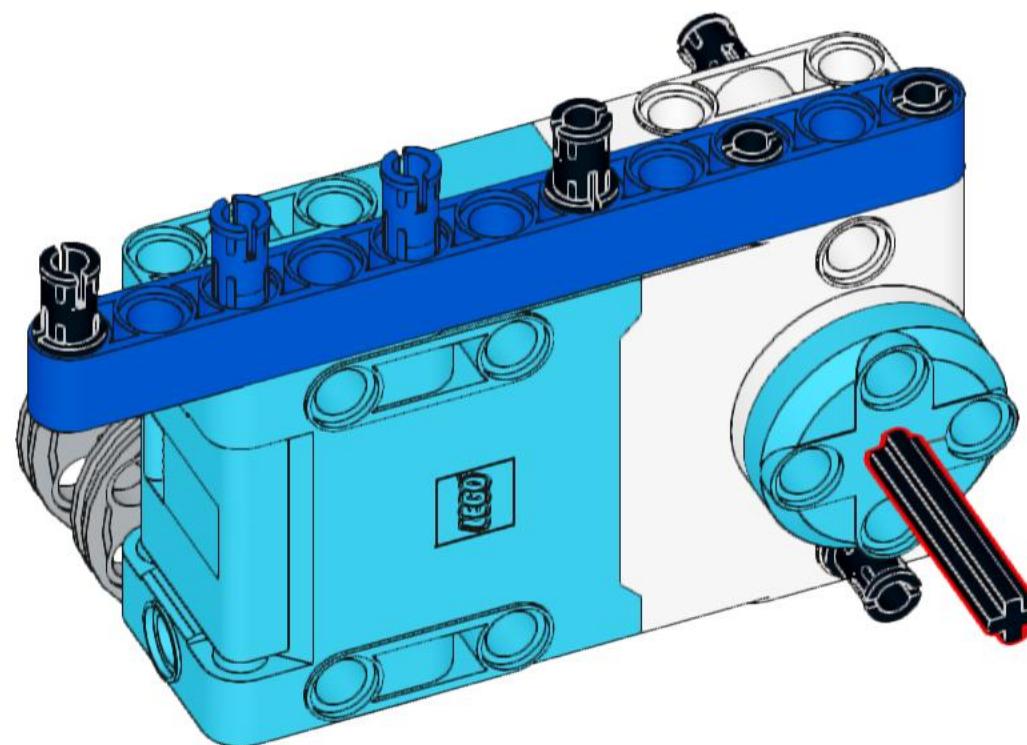
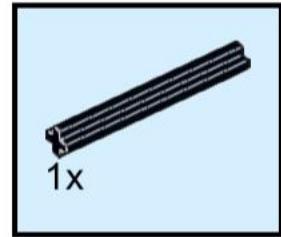
Remember to save the four colored beams until near the end. I'll remind you when to use them



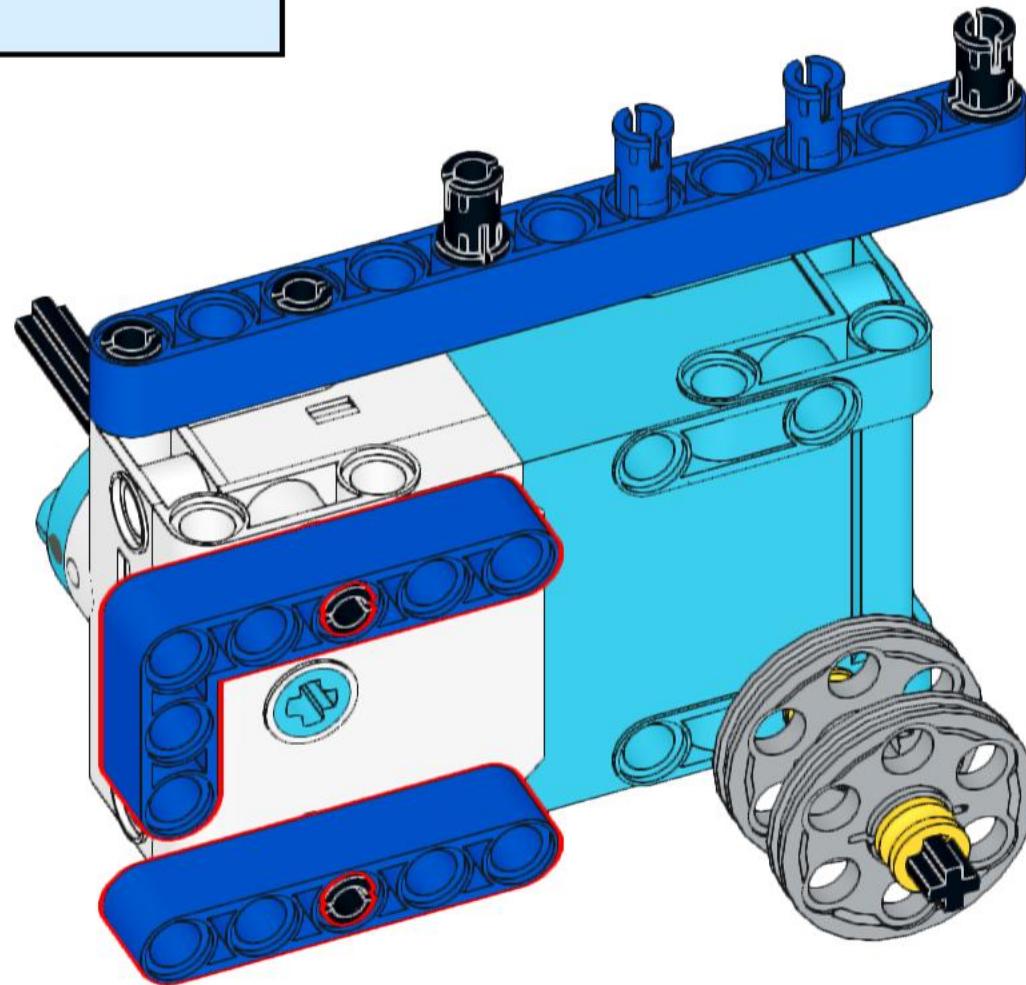
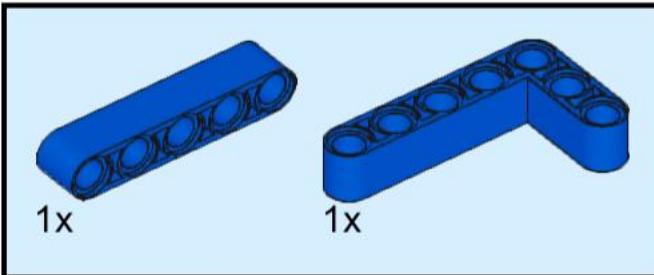
**8**



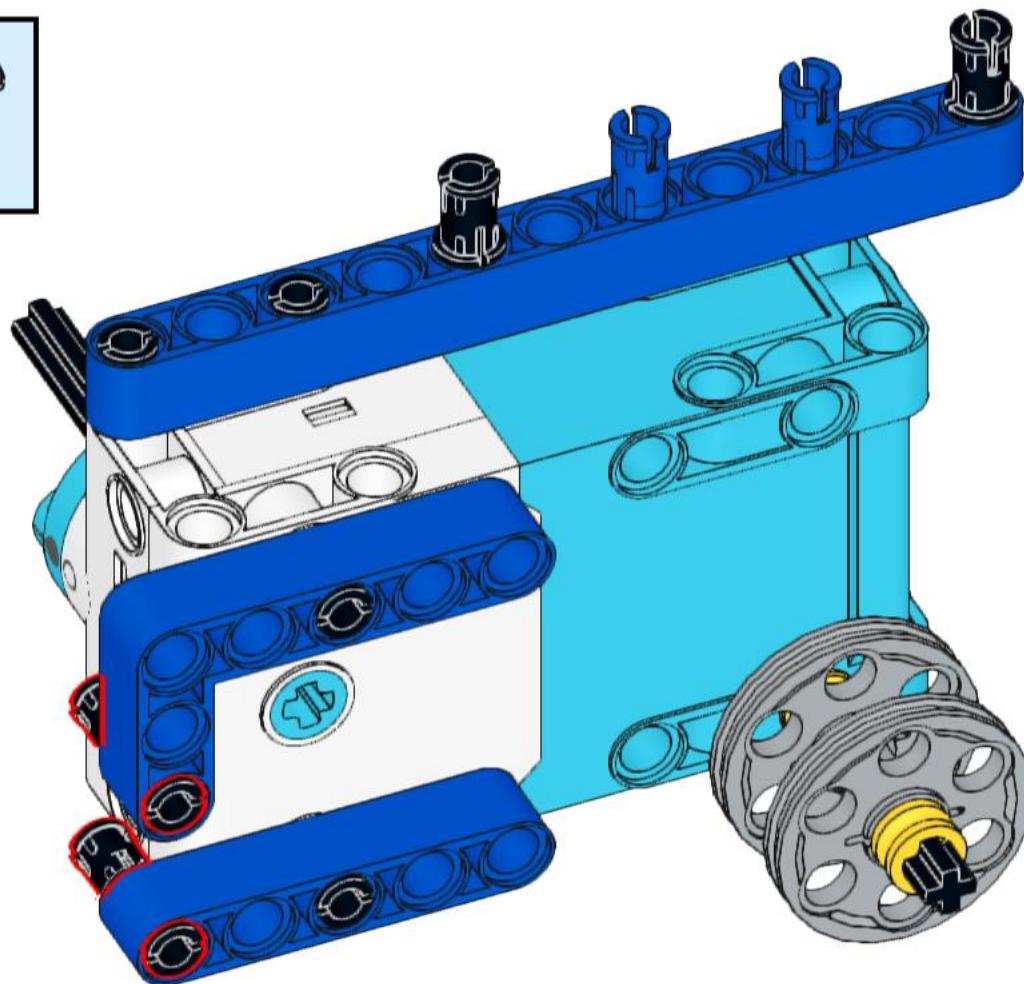
9



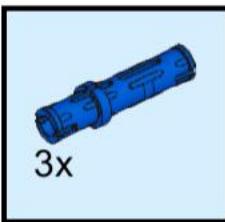
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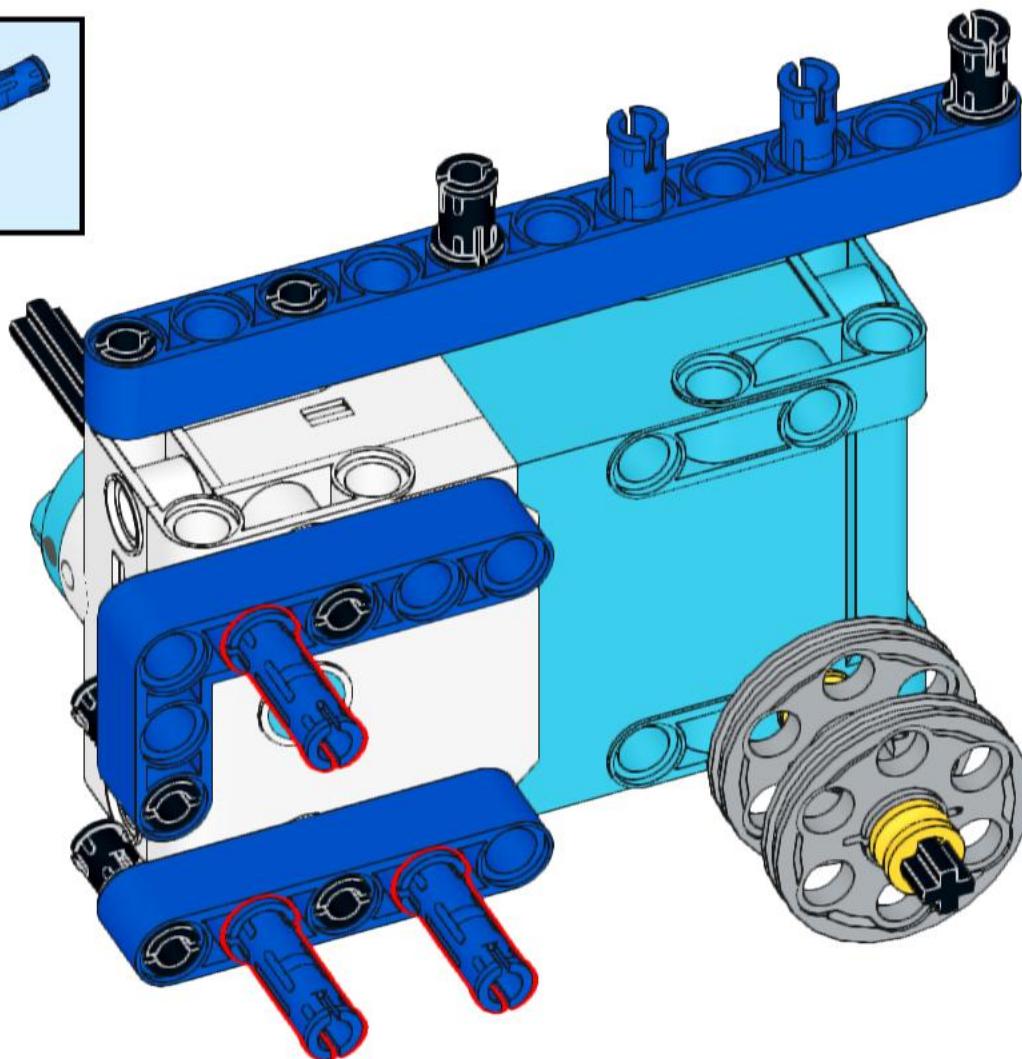
**11**



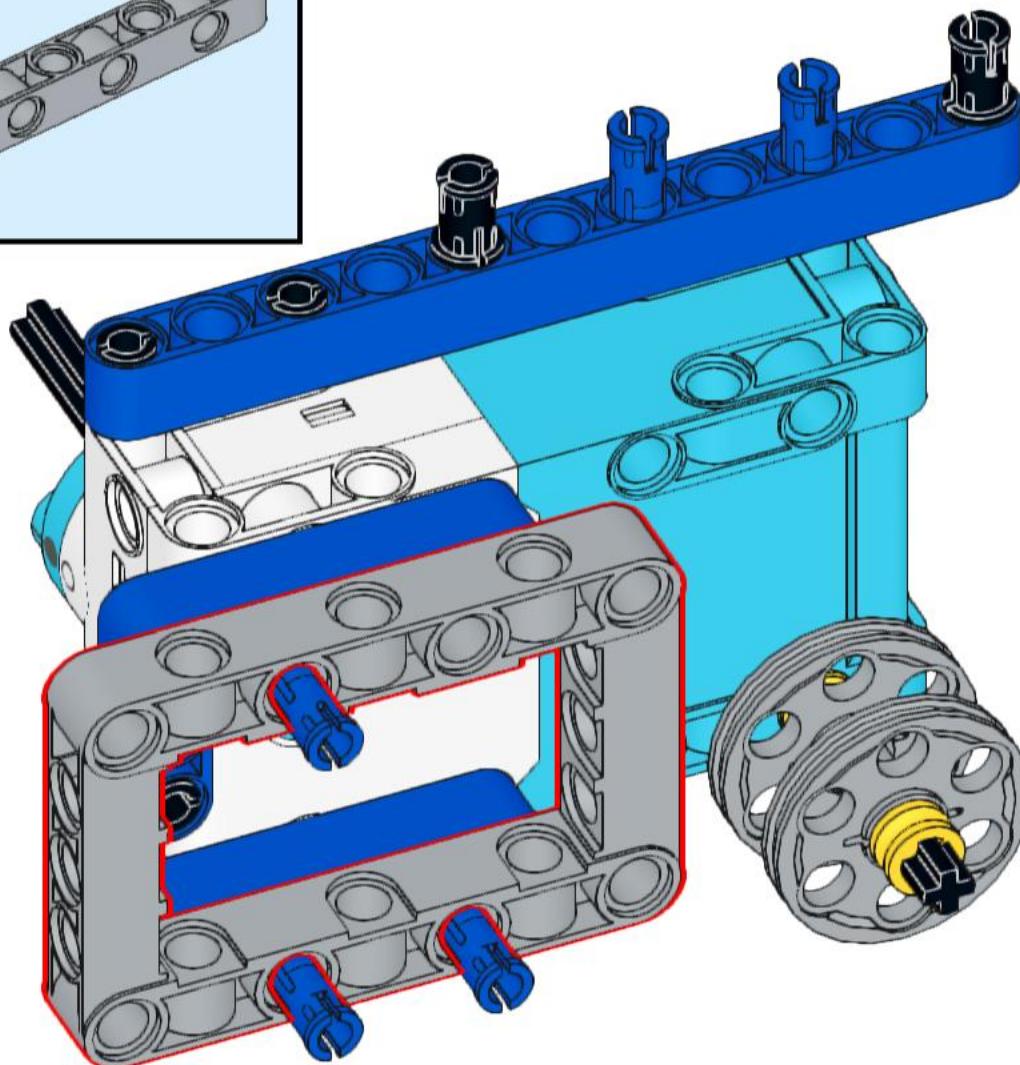
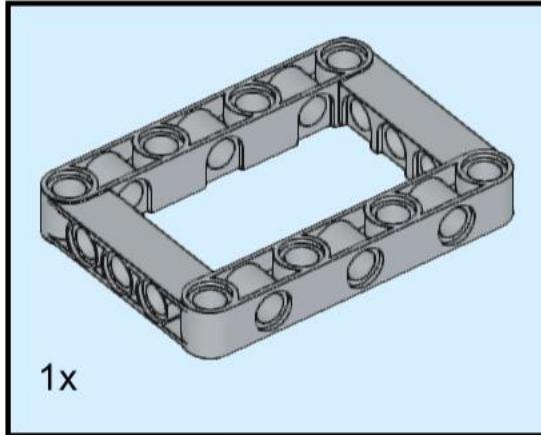
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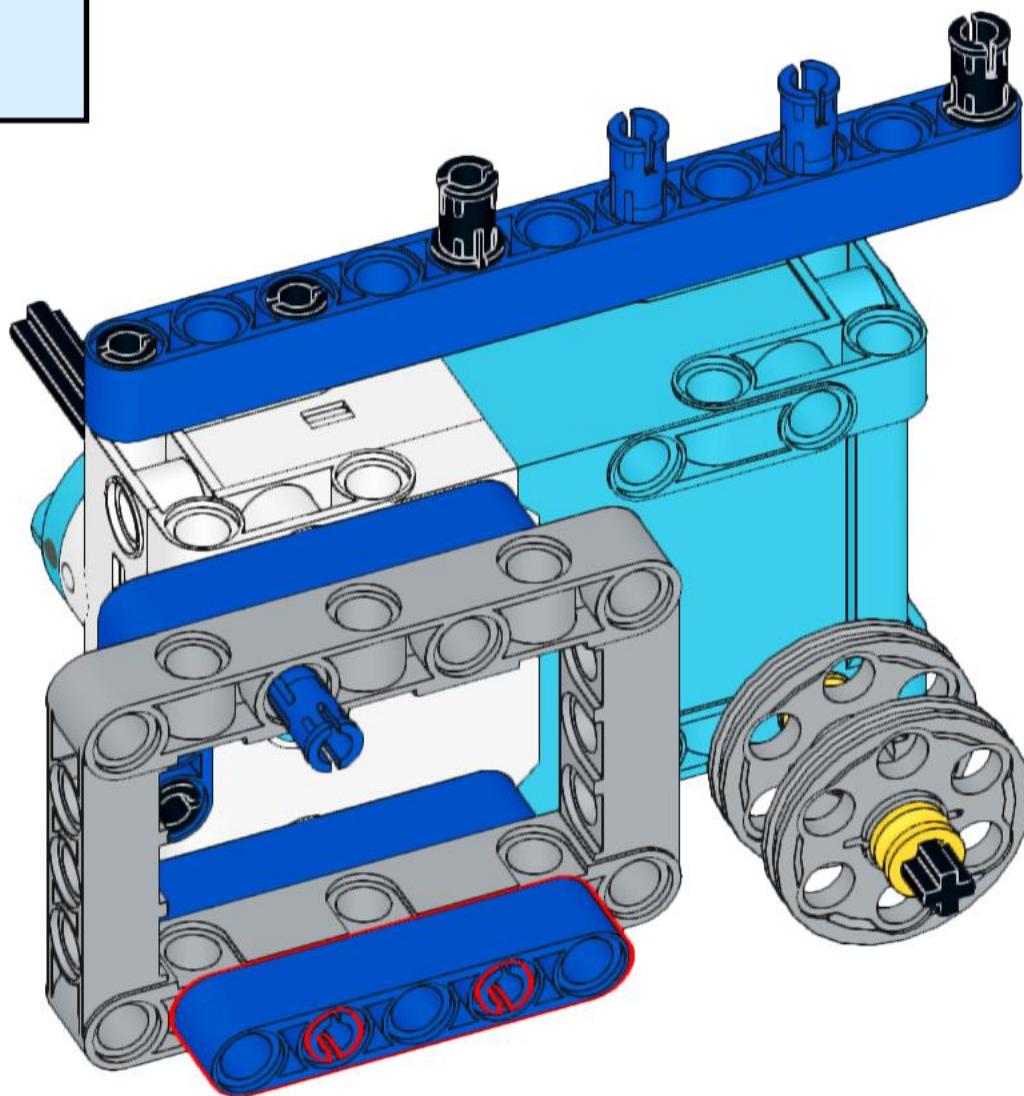
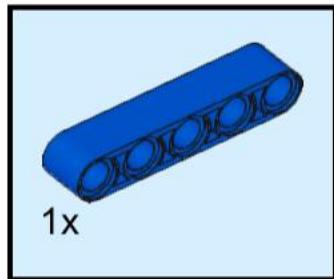
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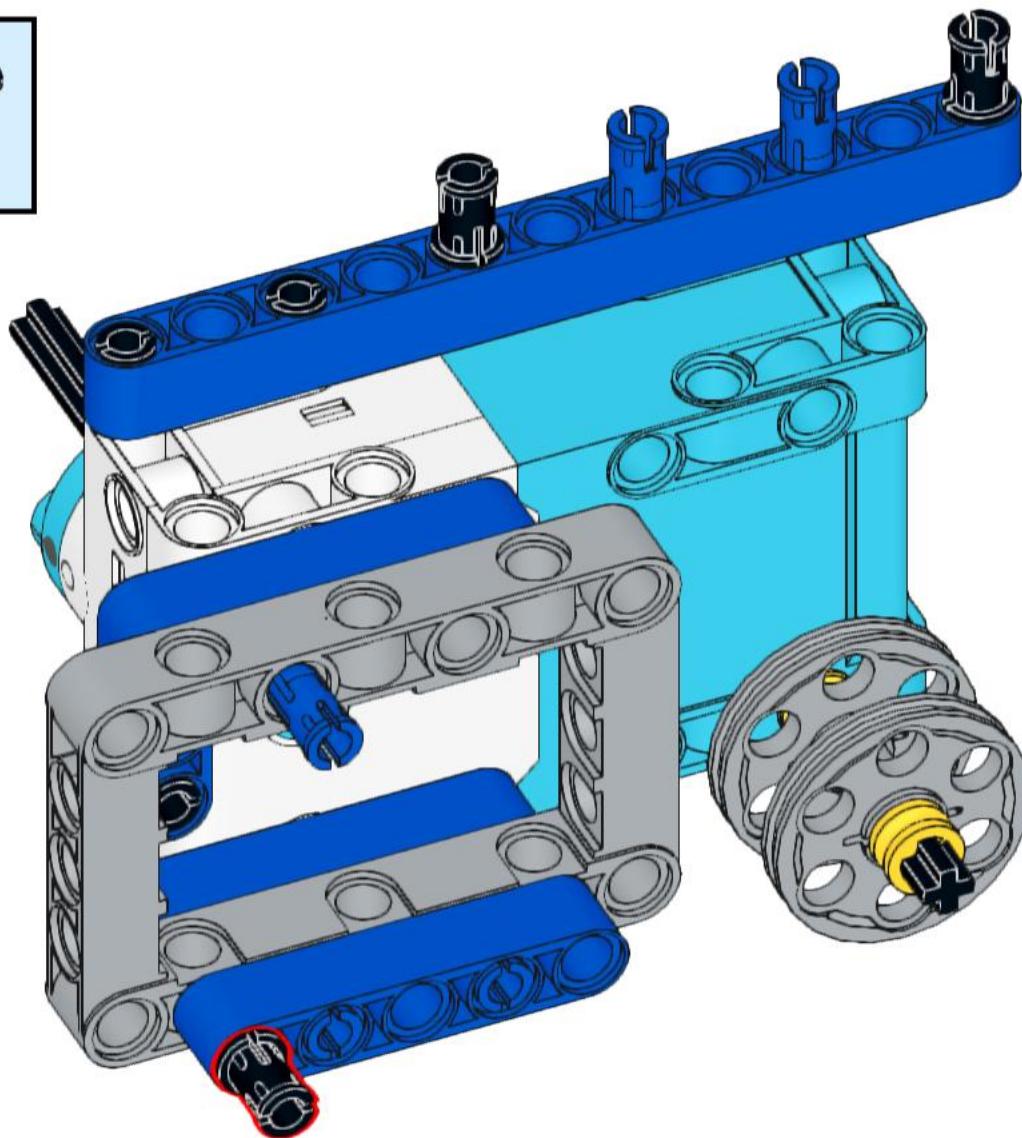
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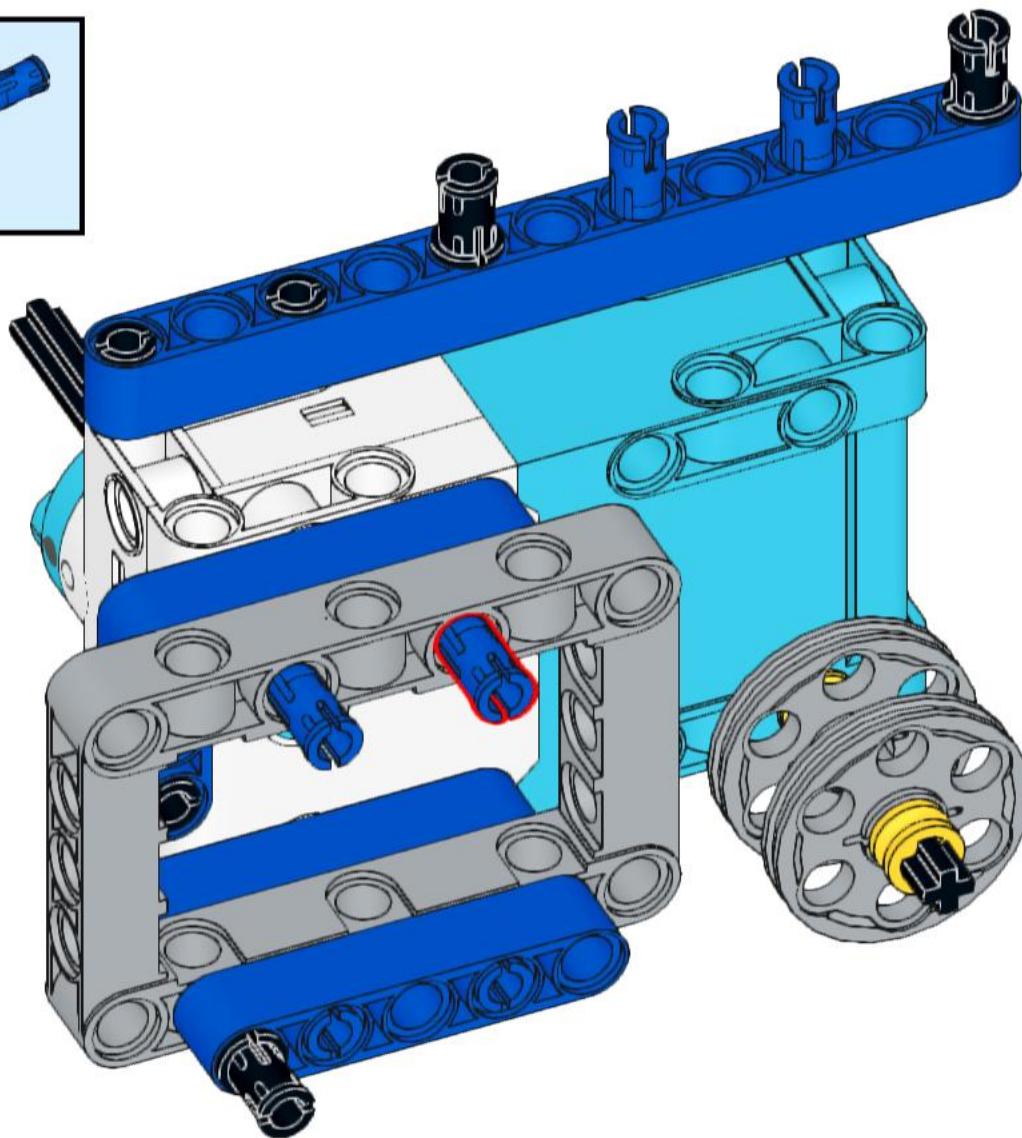
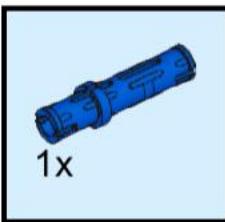
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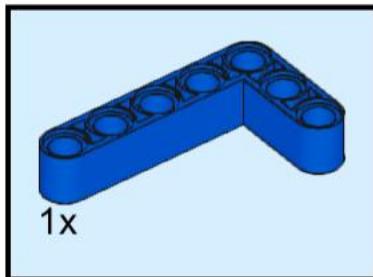
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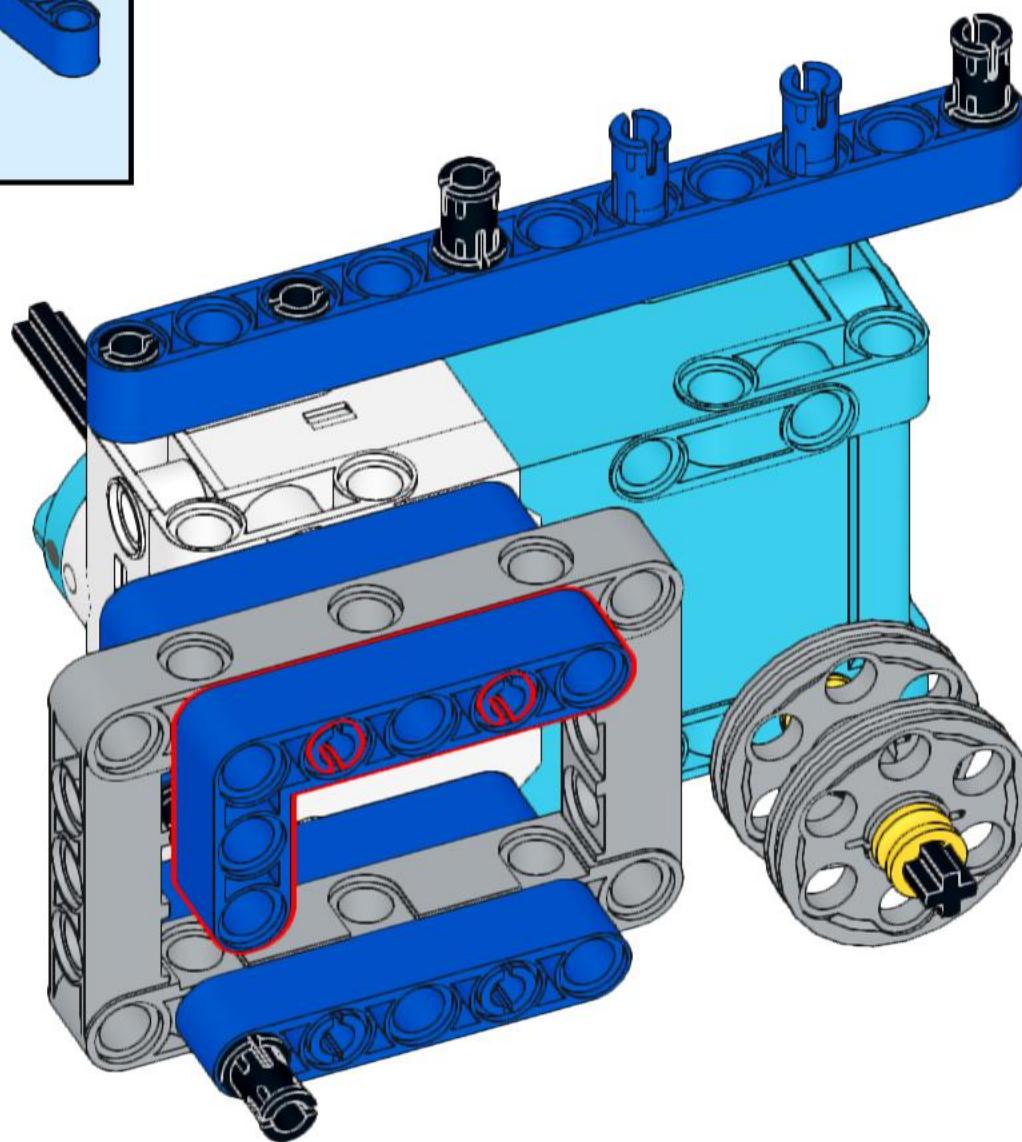
**16**



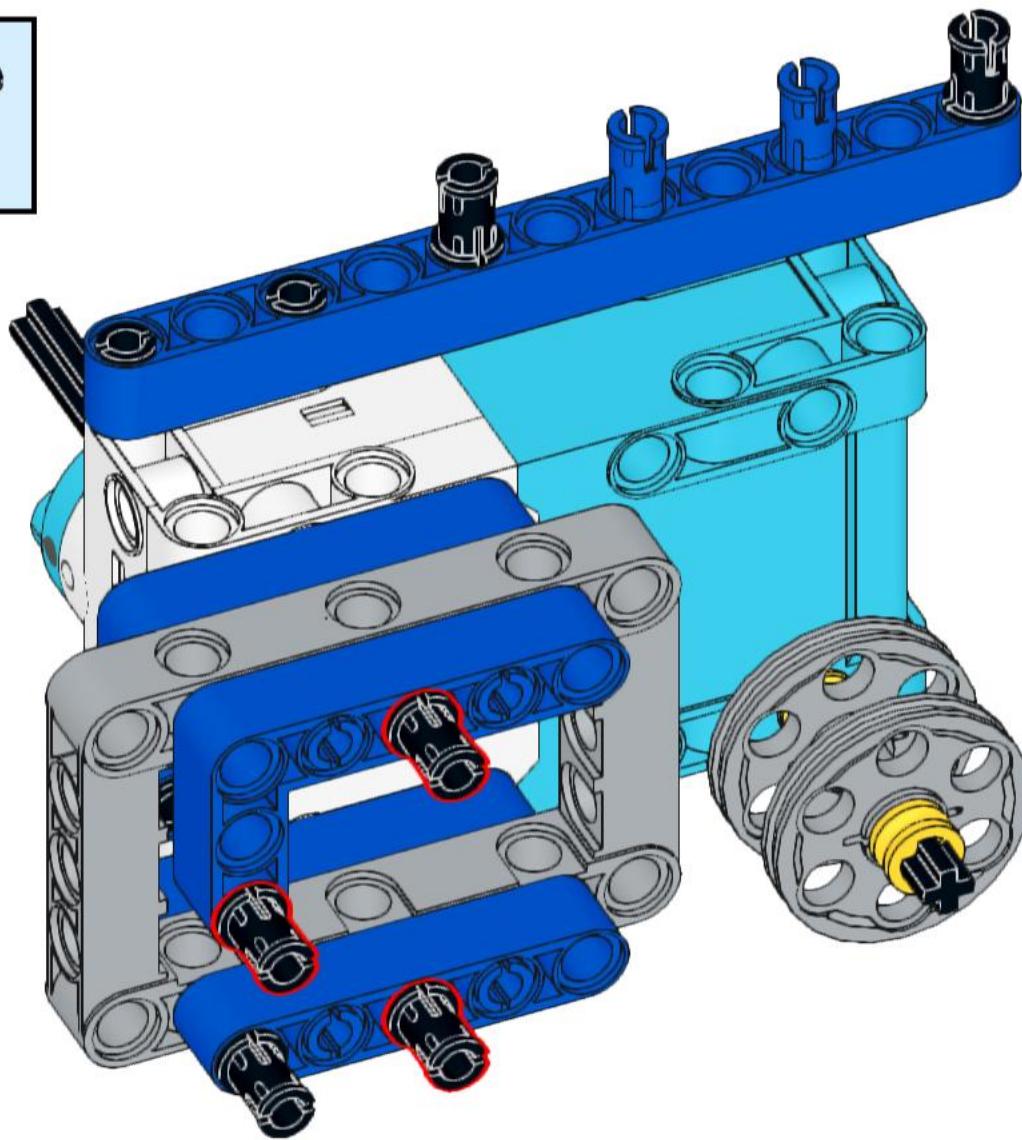
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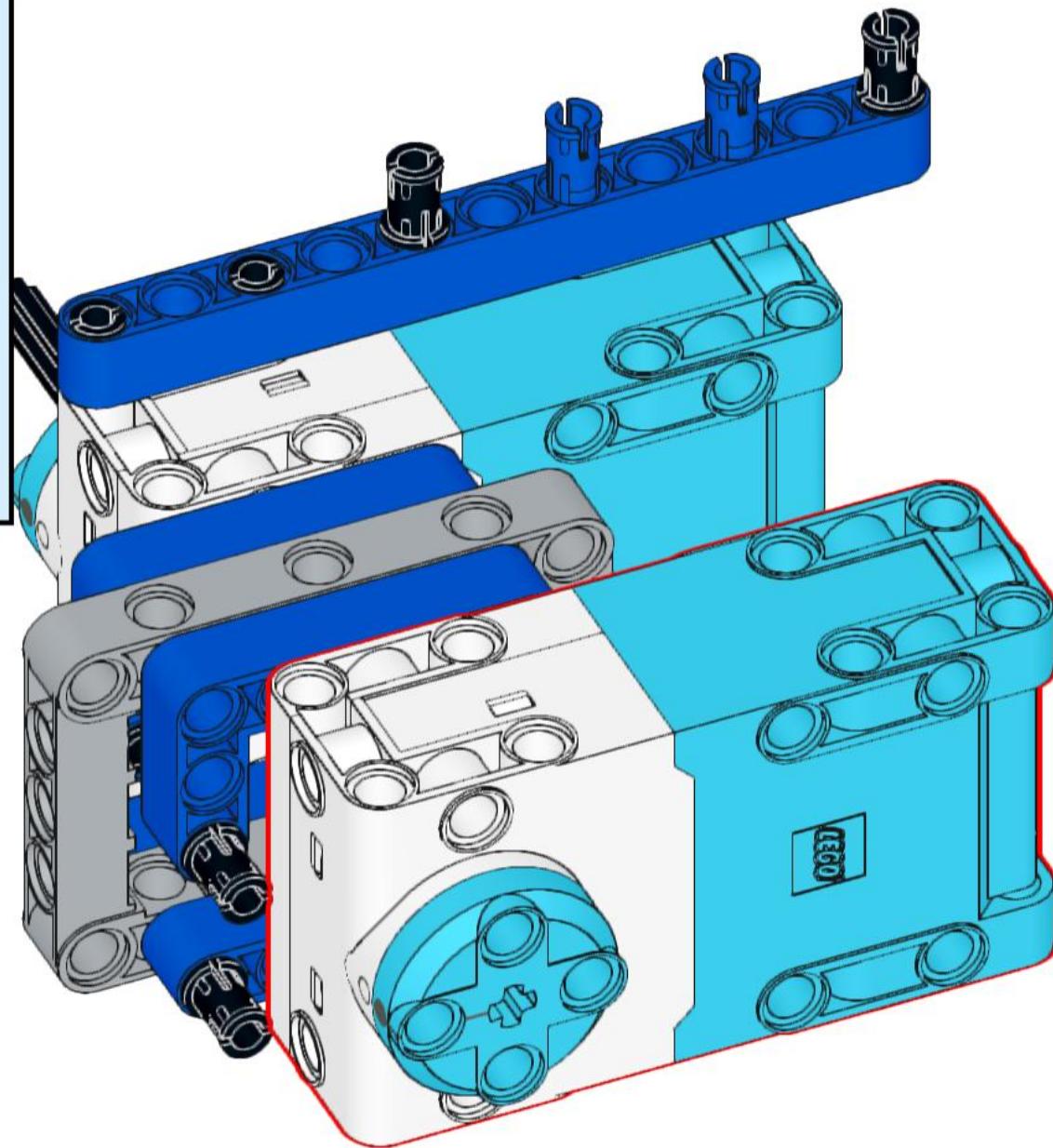
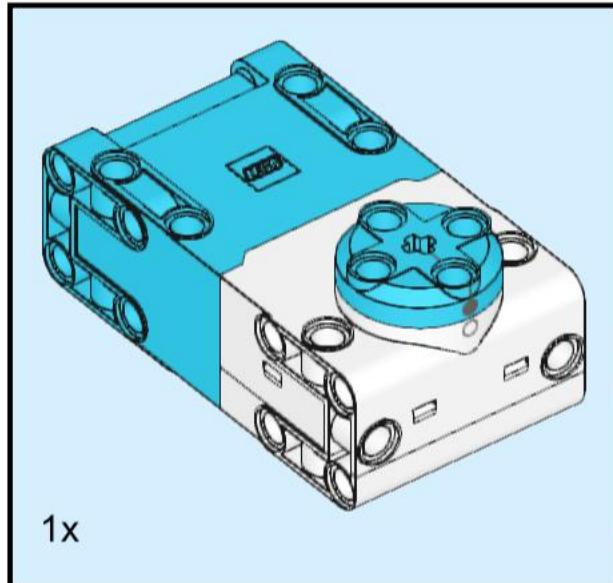
1x



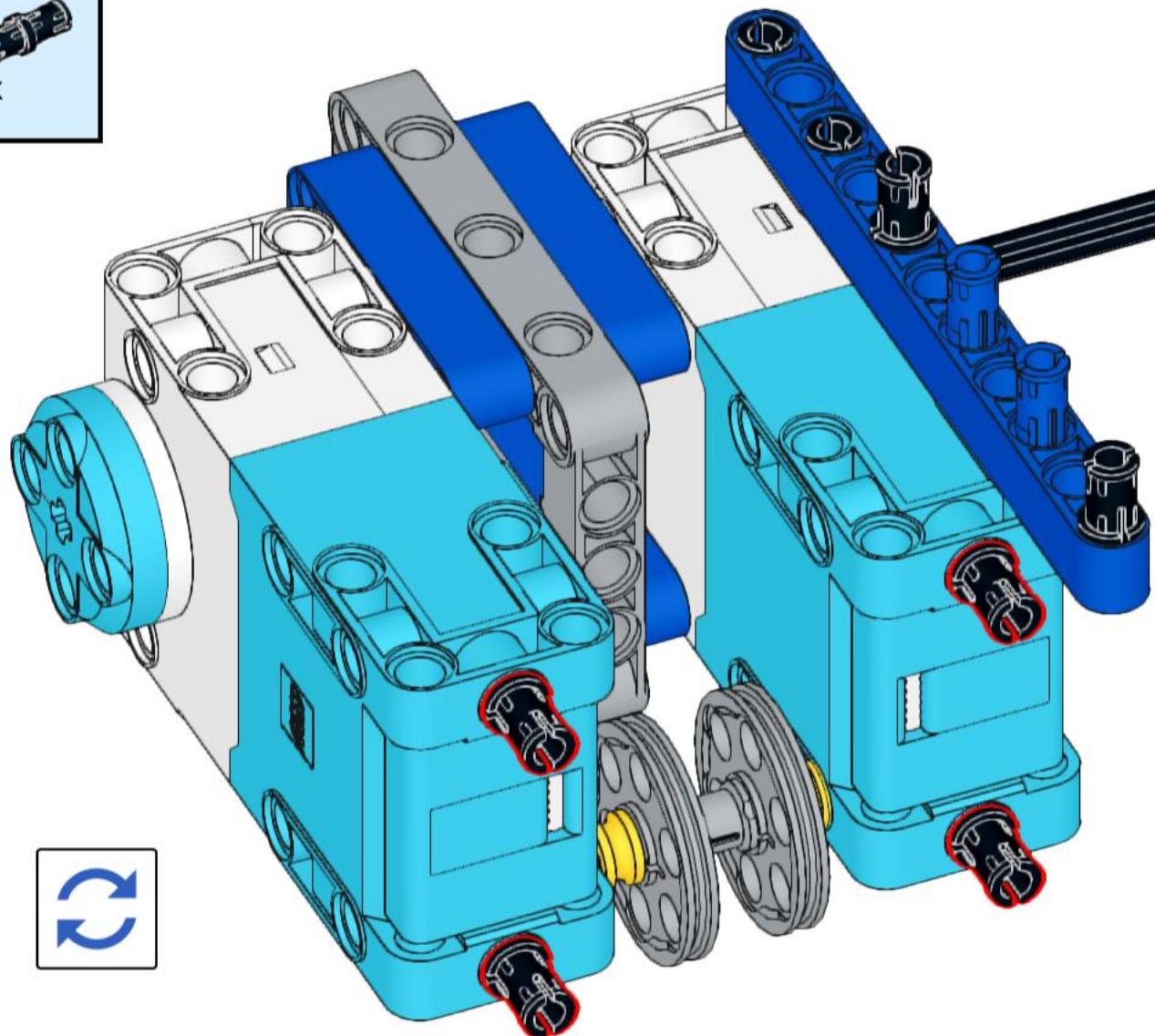
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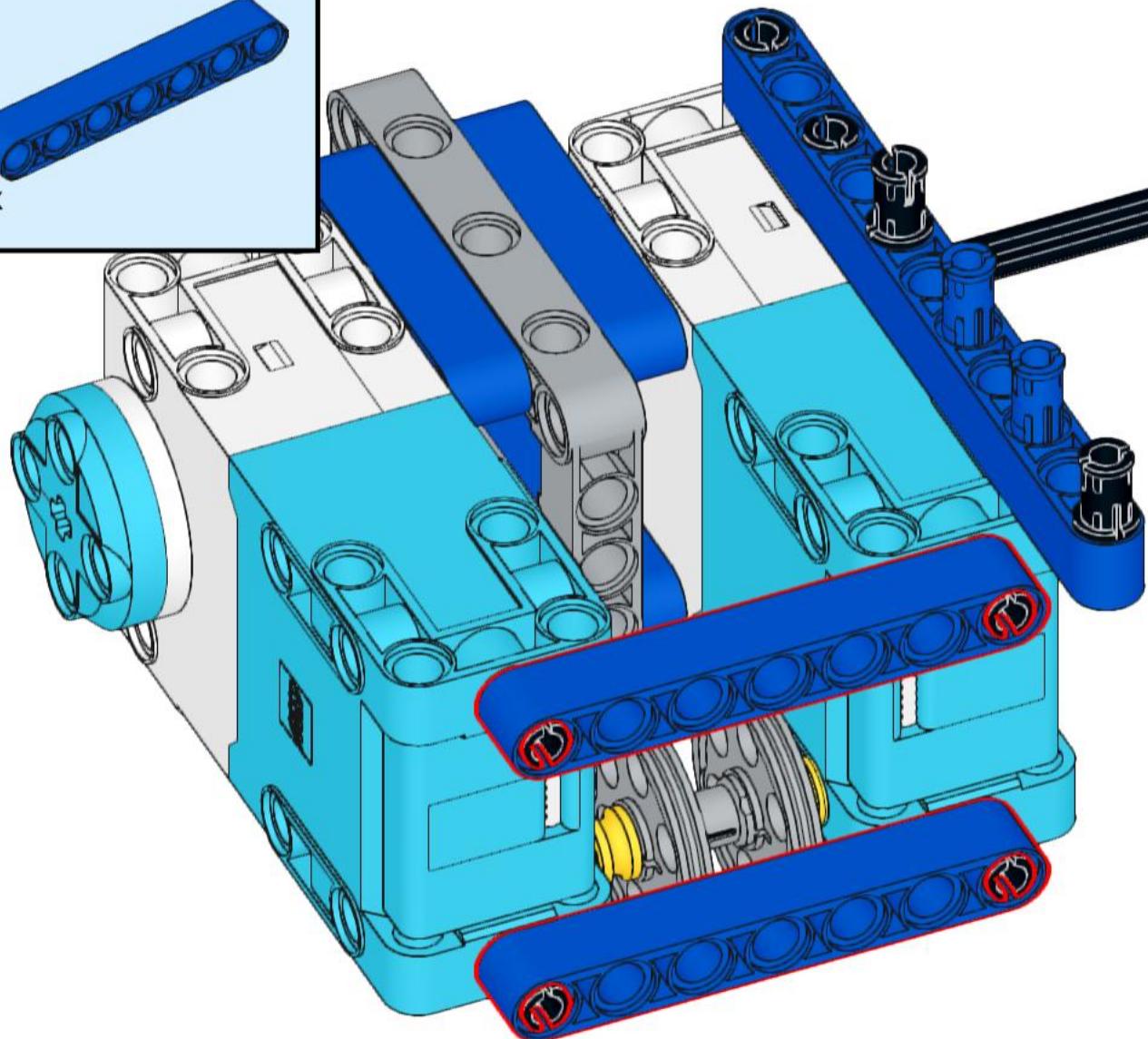
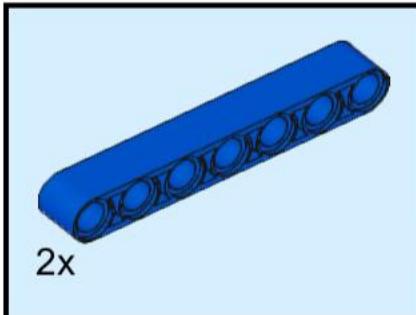
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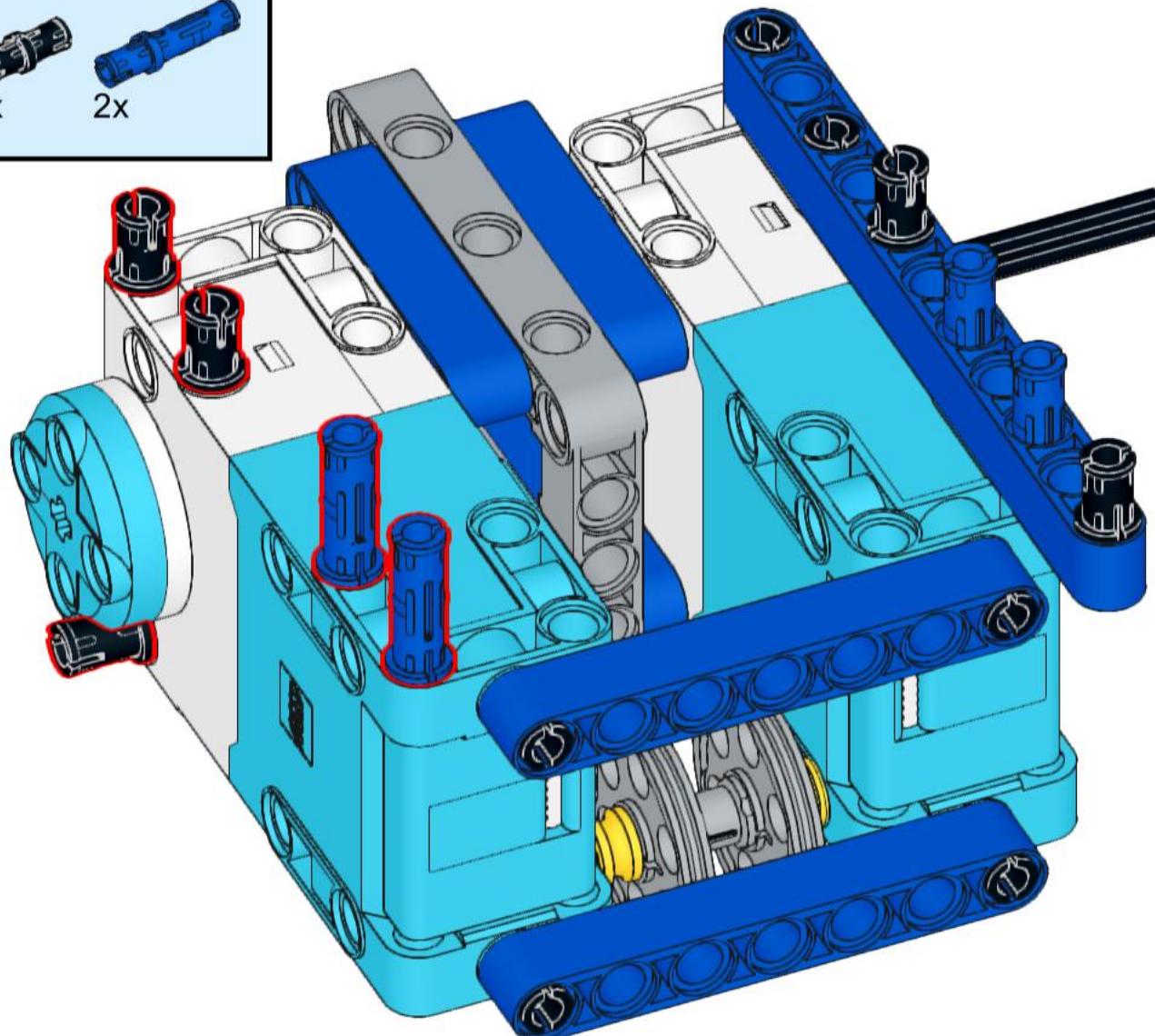
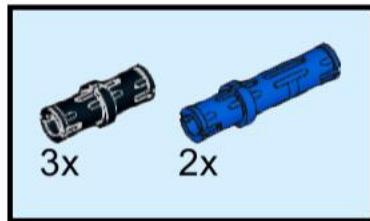
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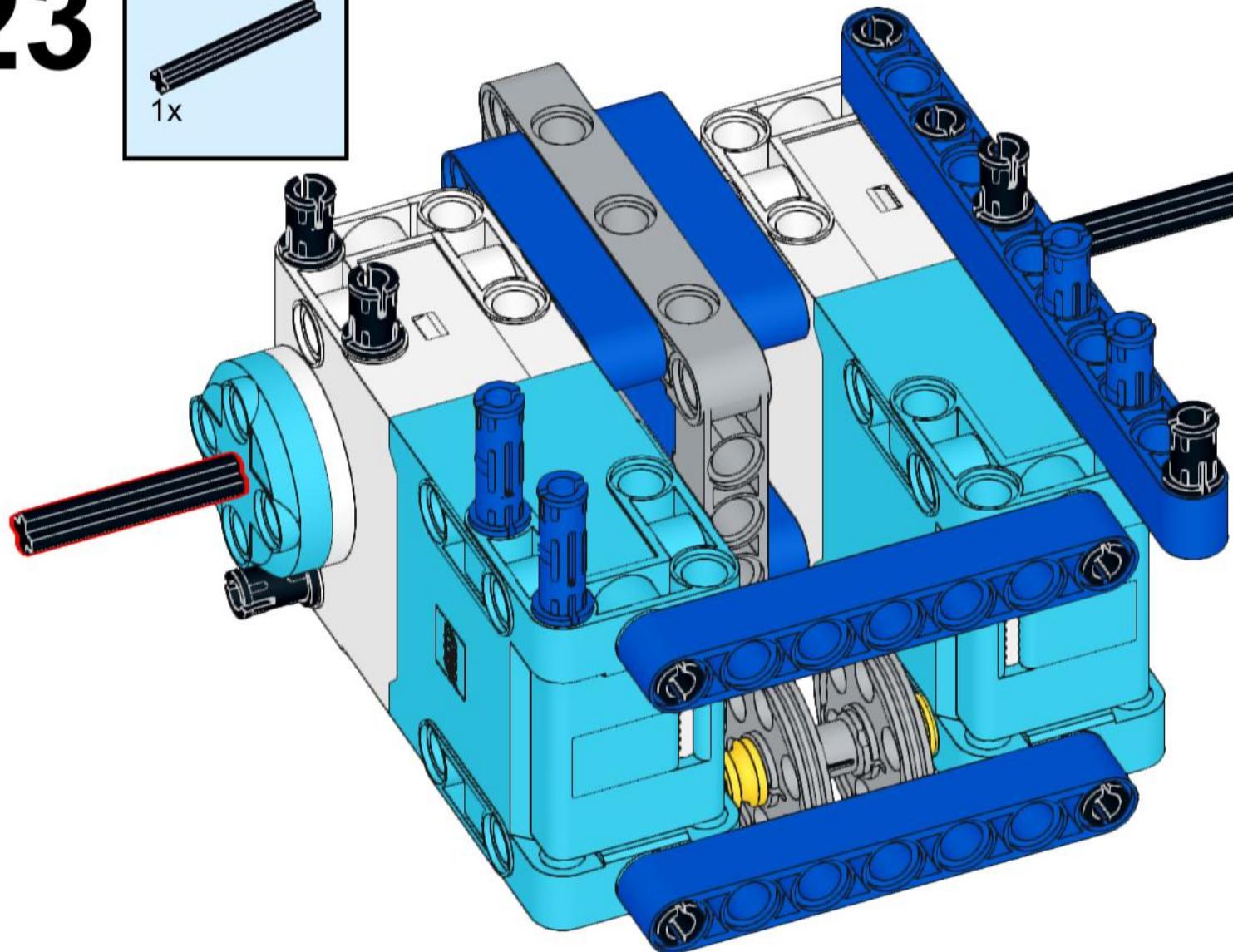
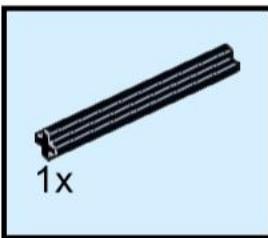
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# 22

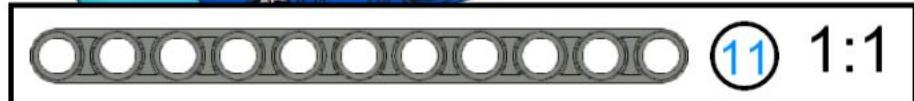
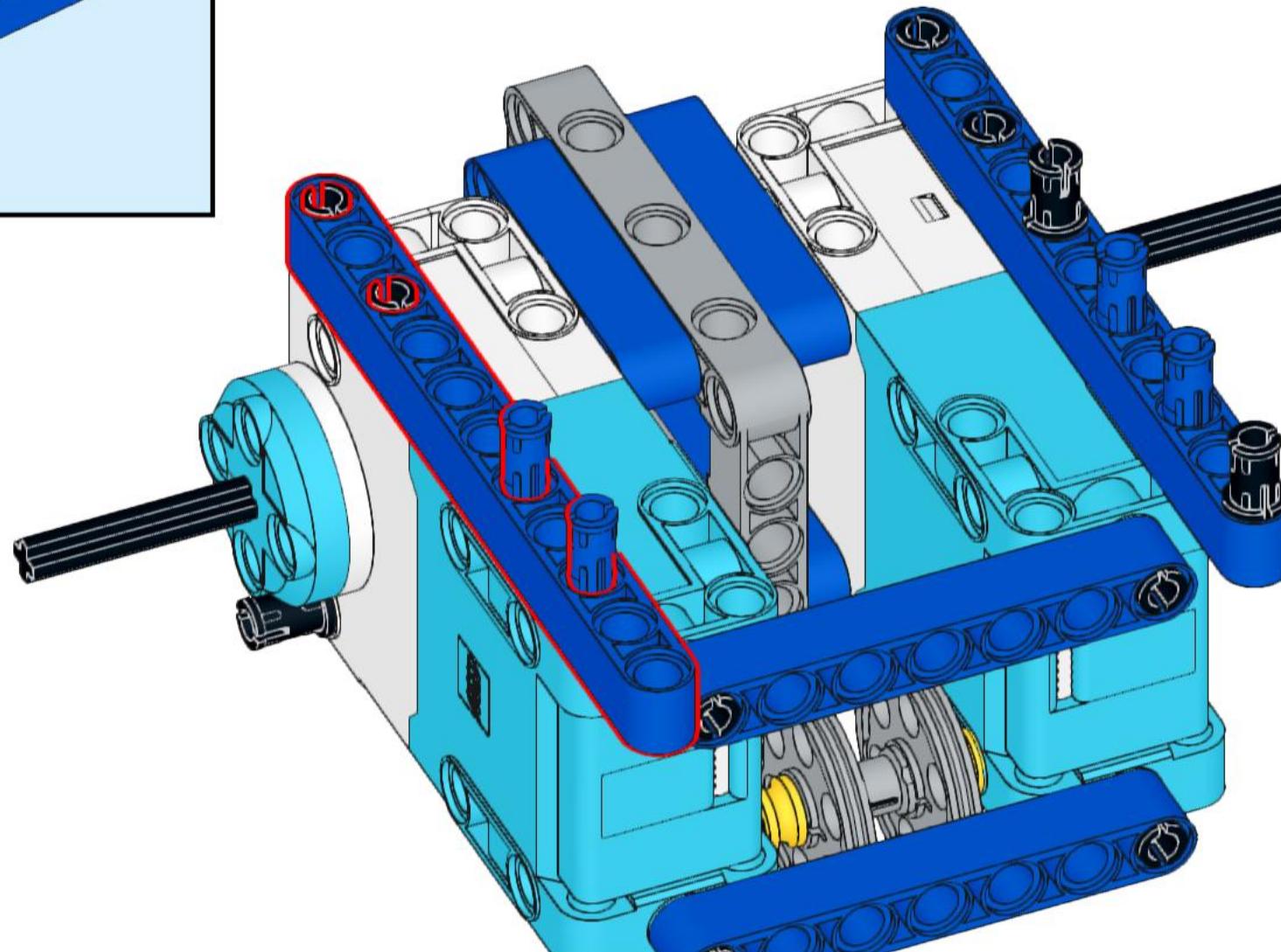
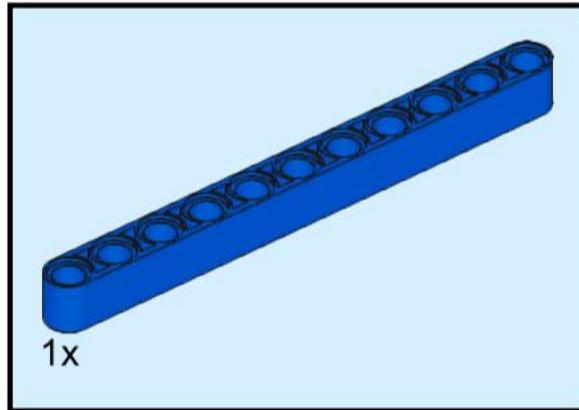


**23**

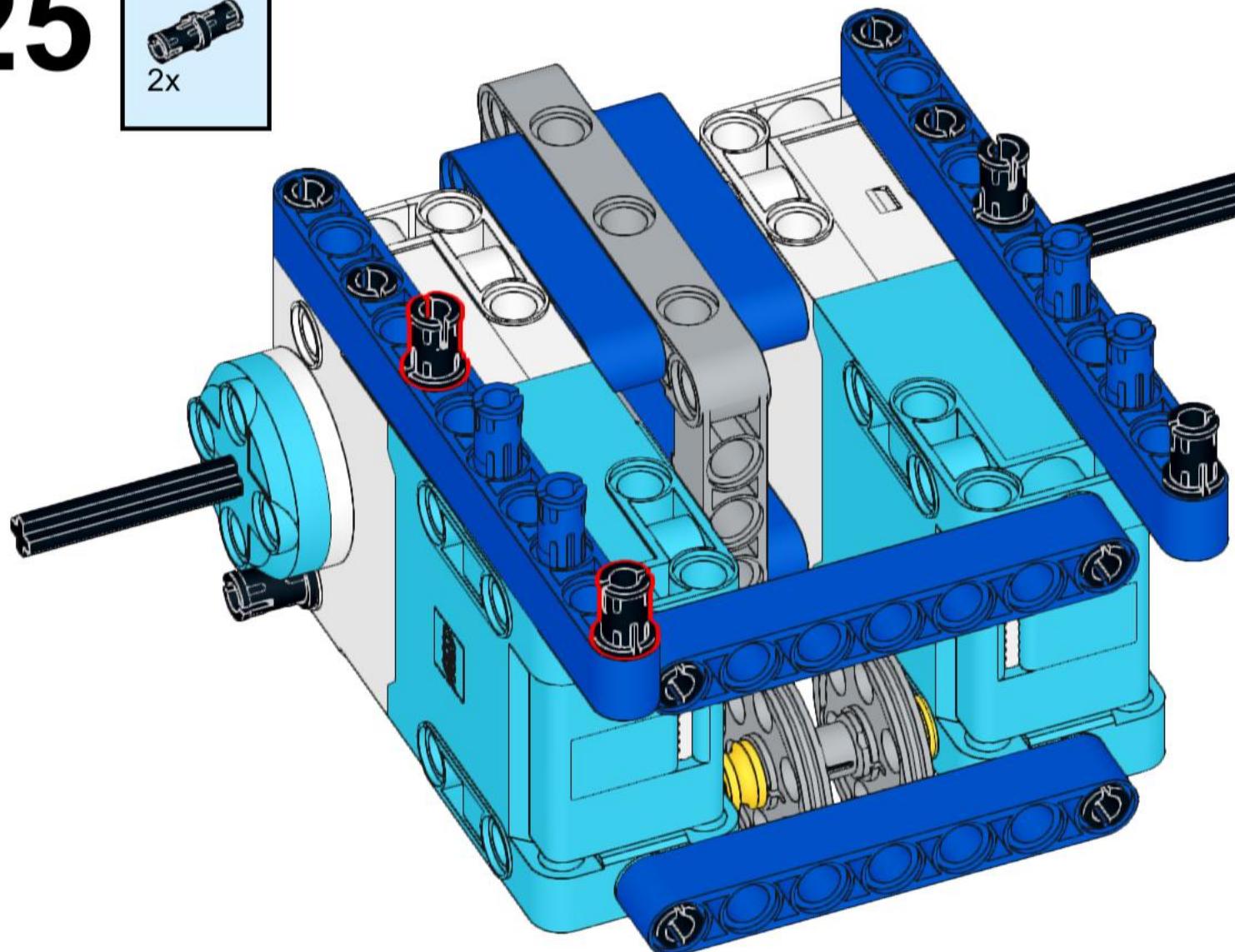


4 1:1

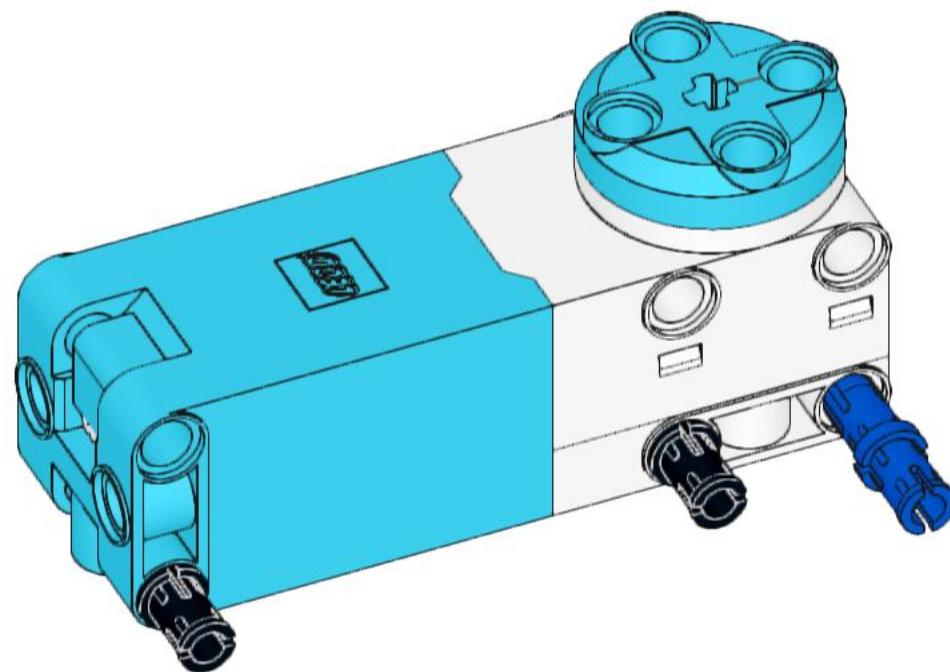
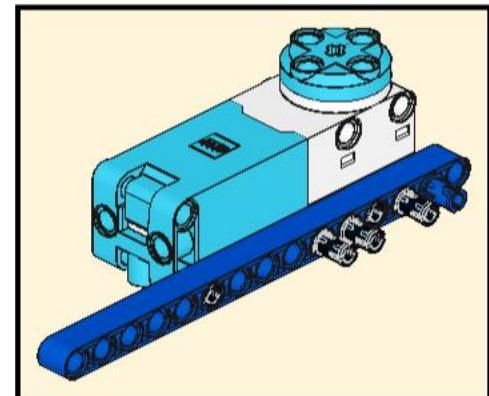
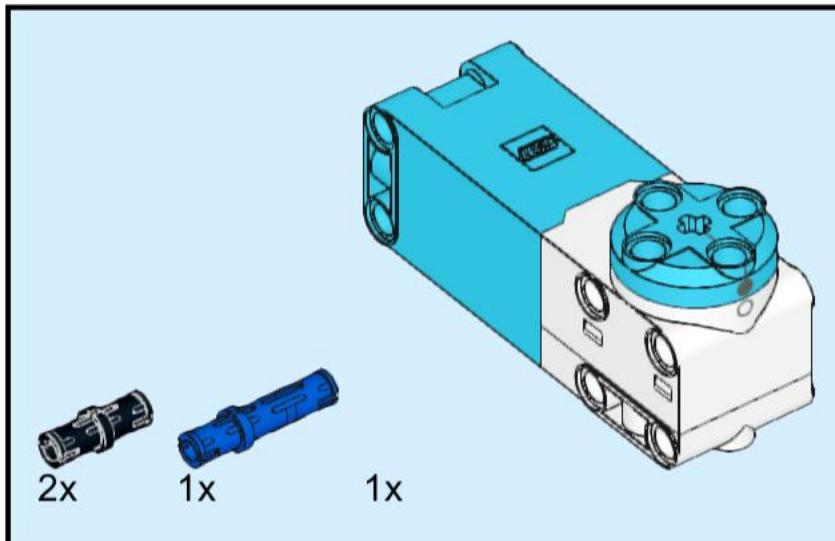
24



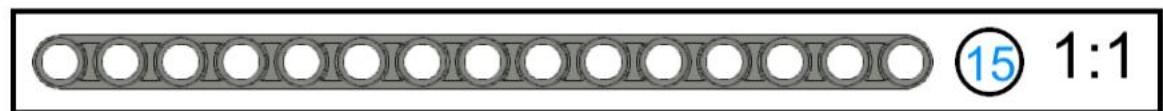
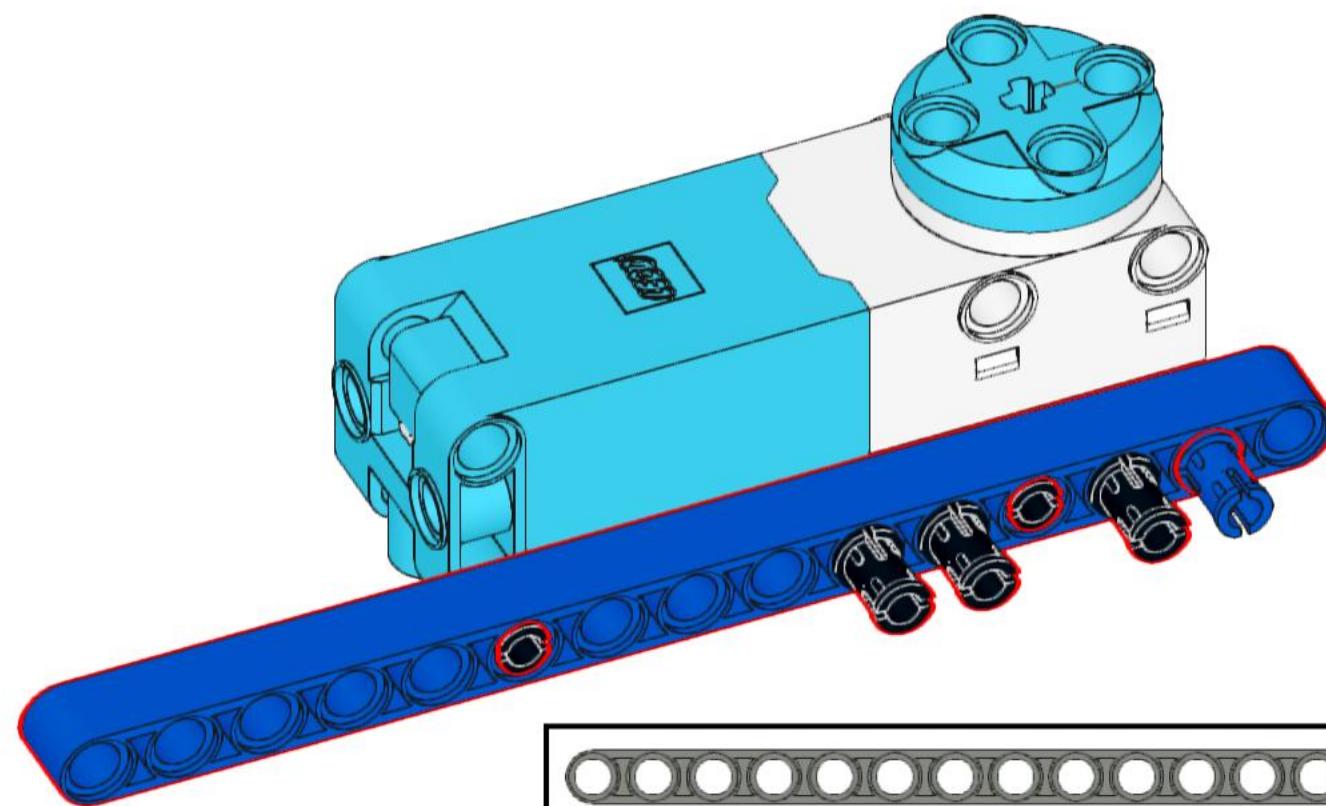
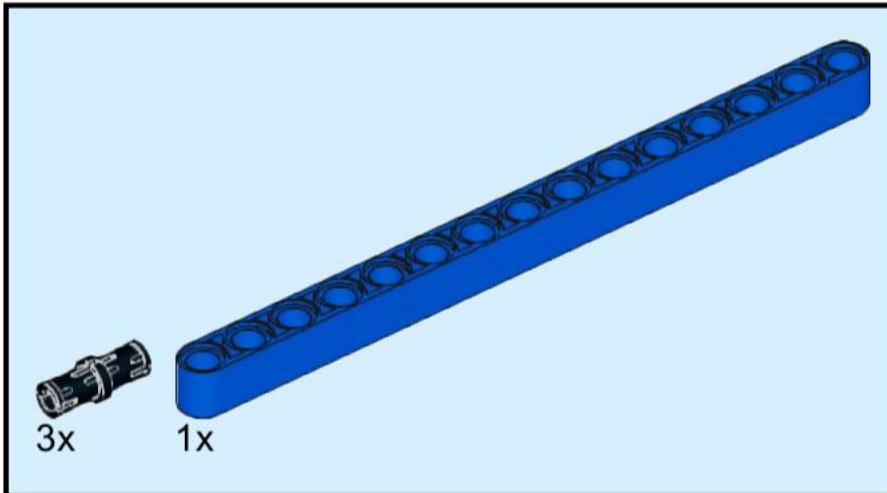
# 25



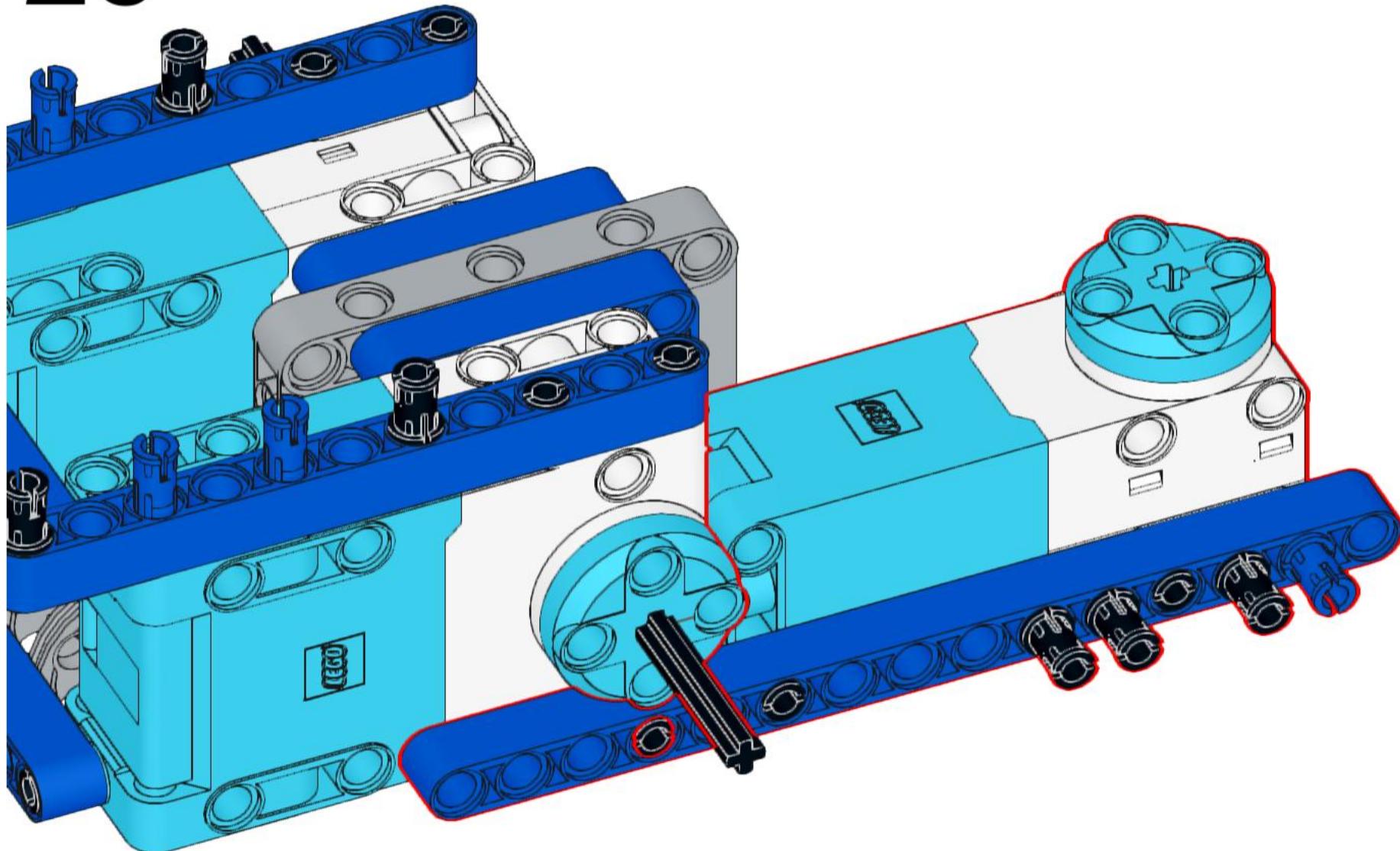
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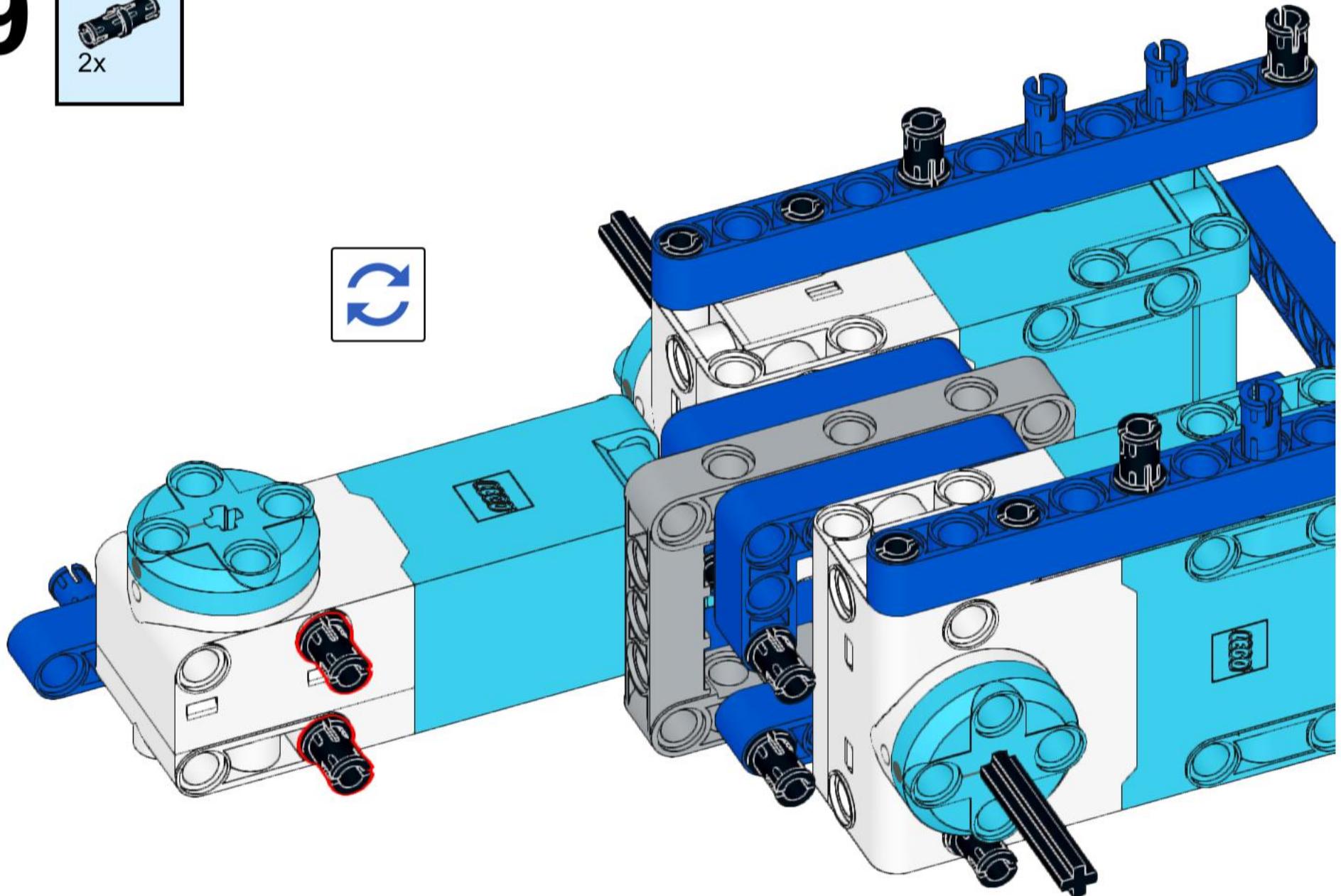
27



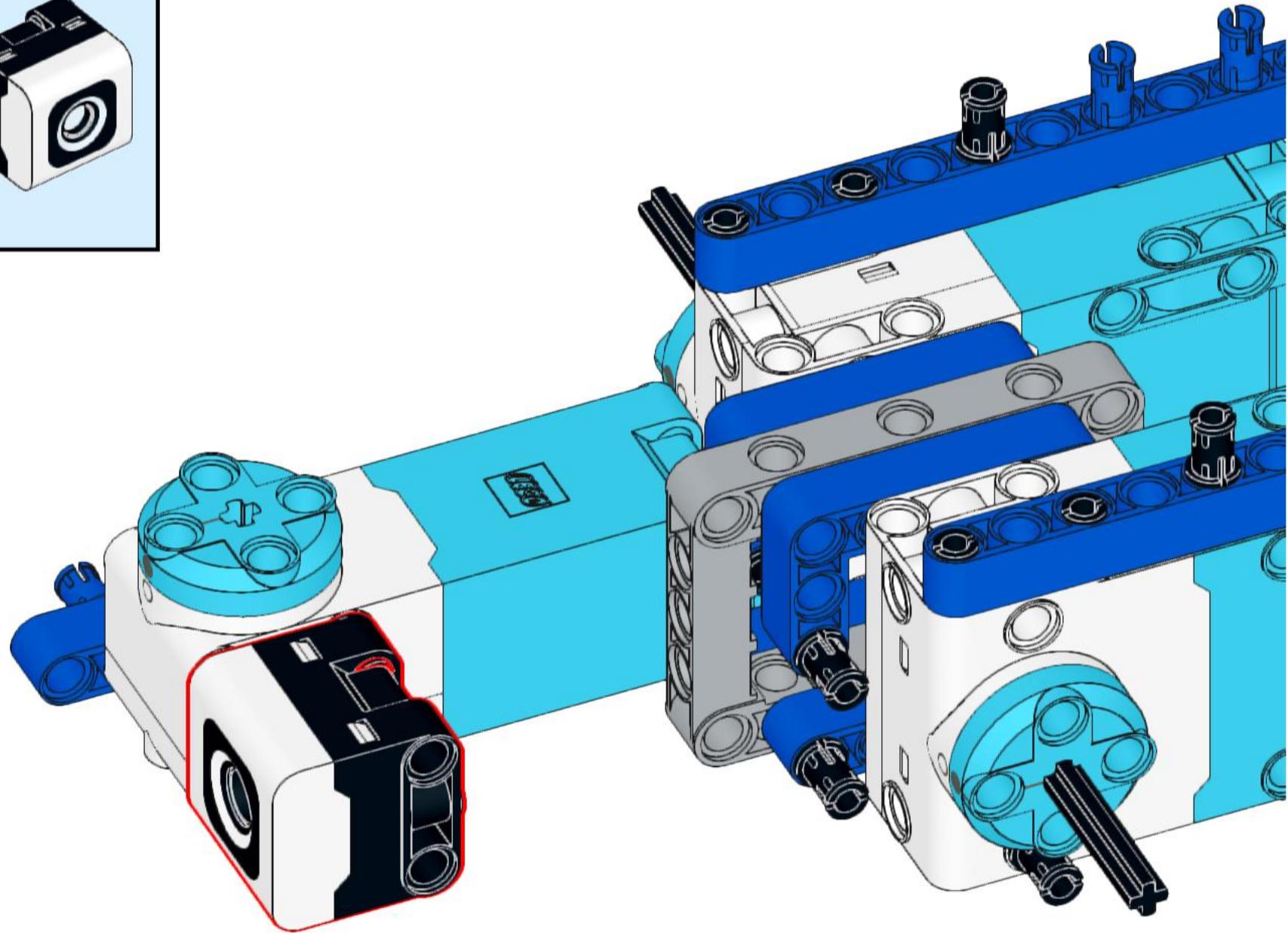
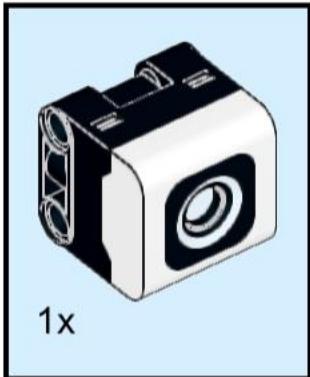
**28**



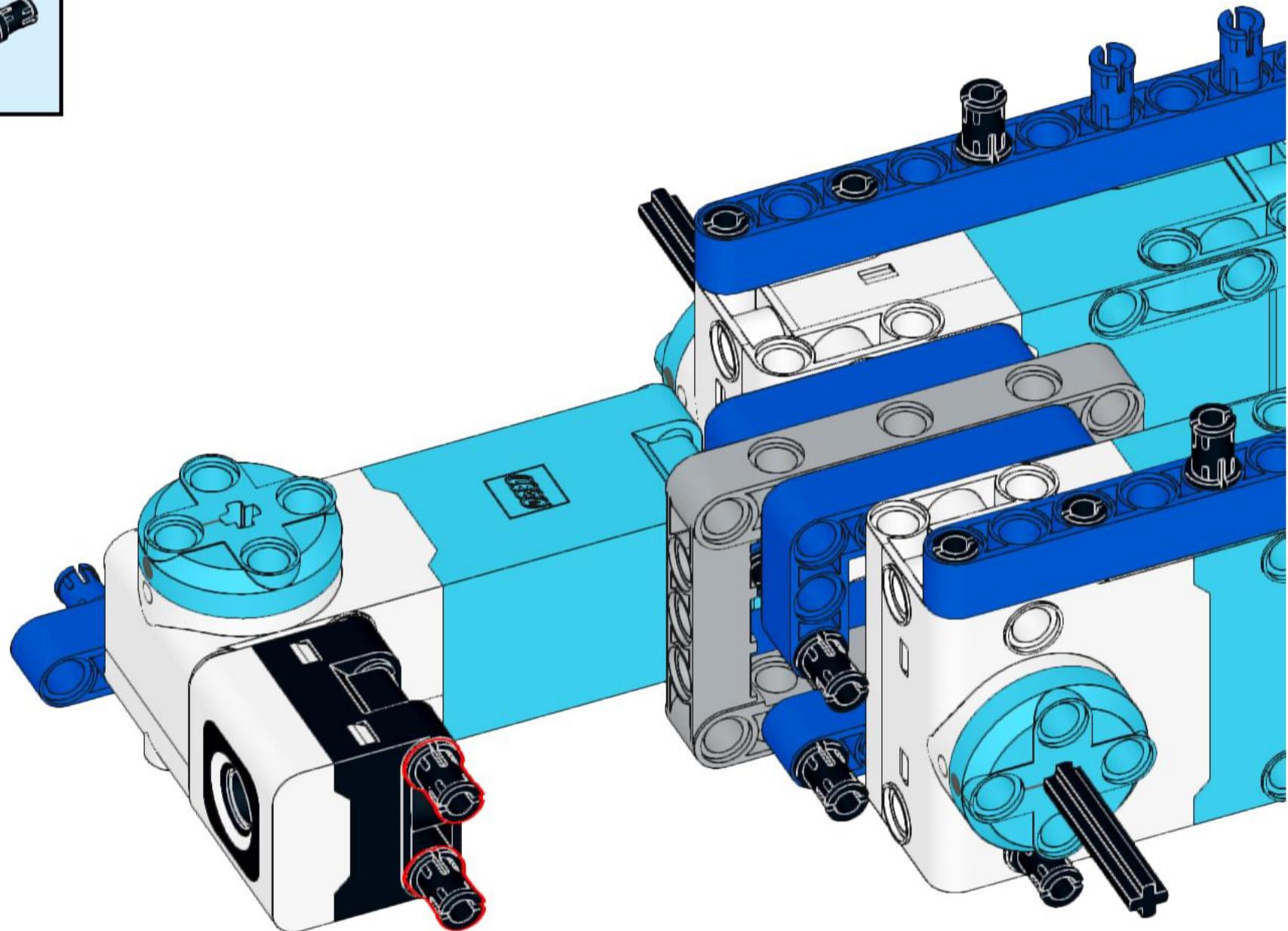
**29**



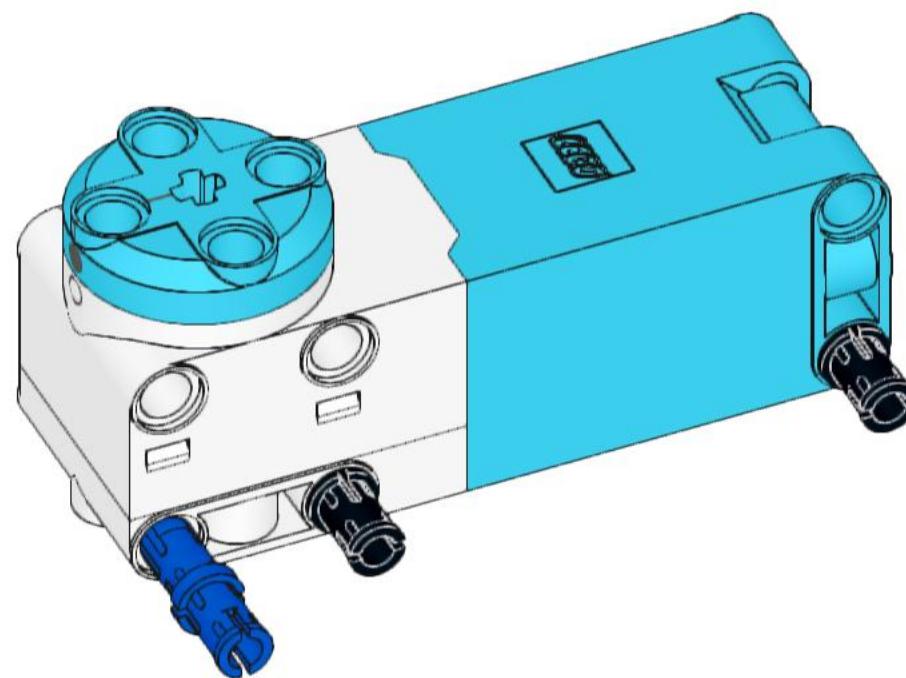
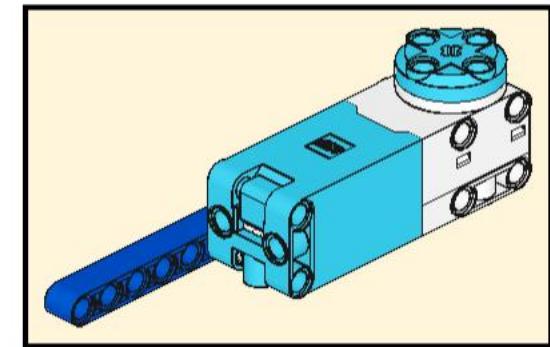
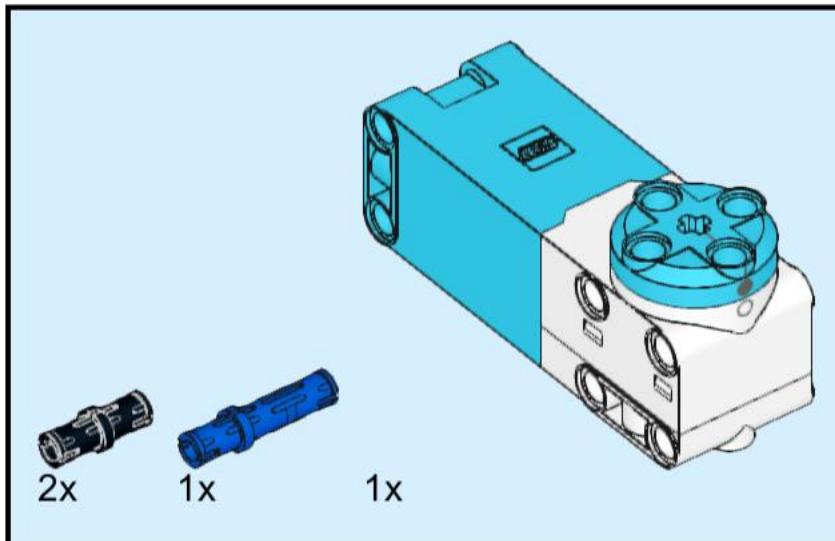
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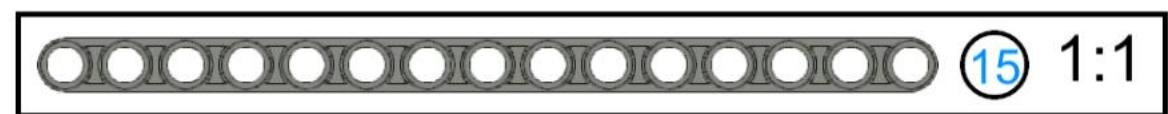
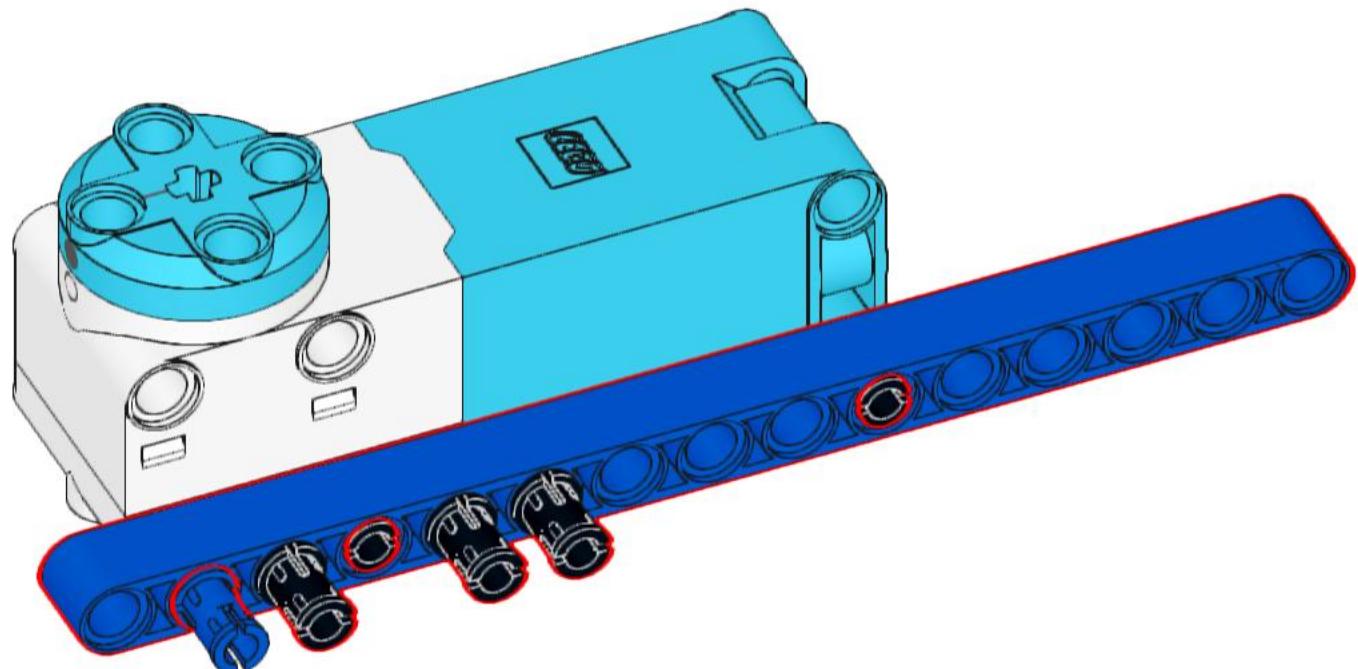
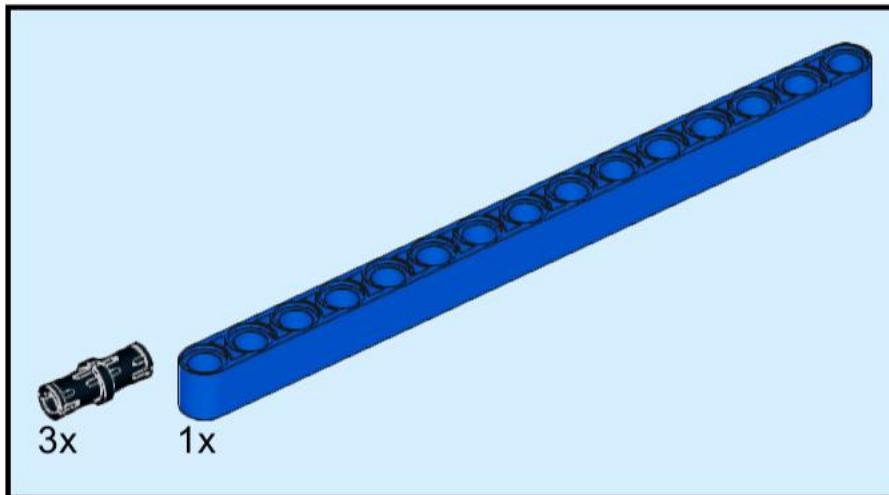
**31**

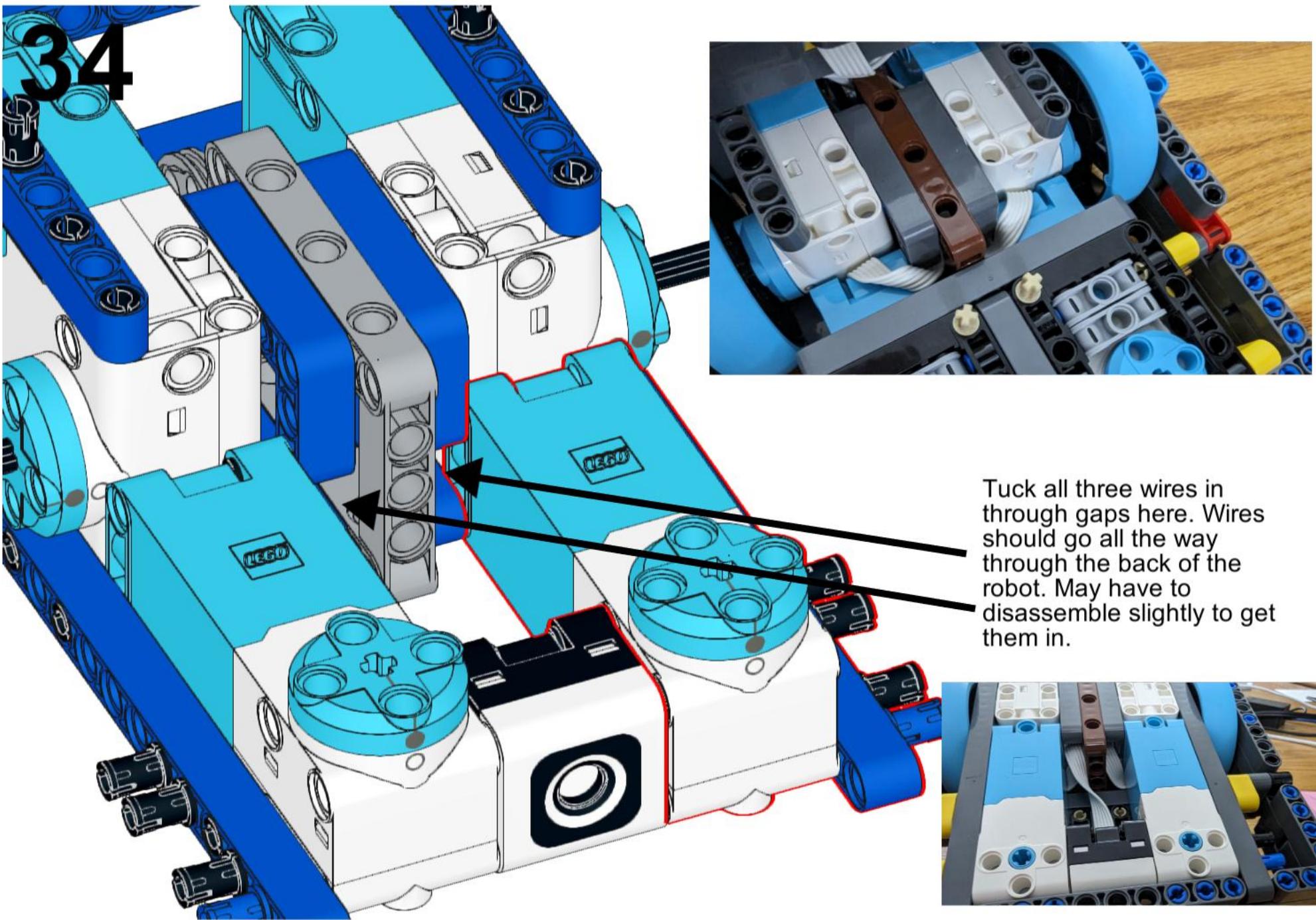


**32**

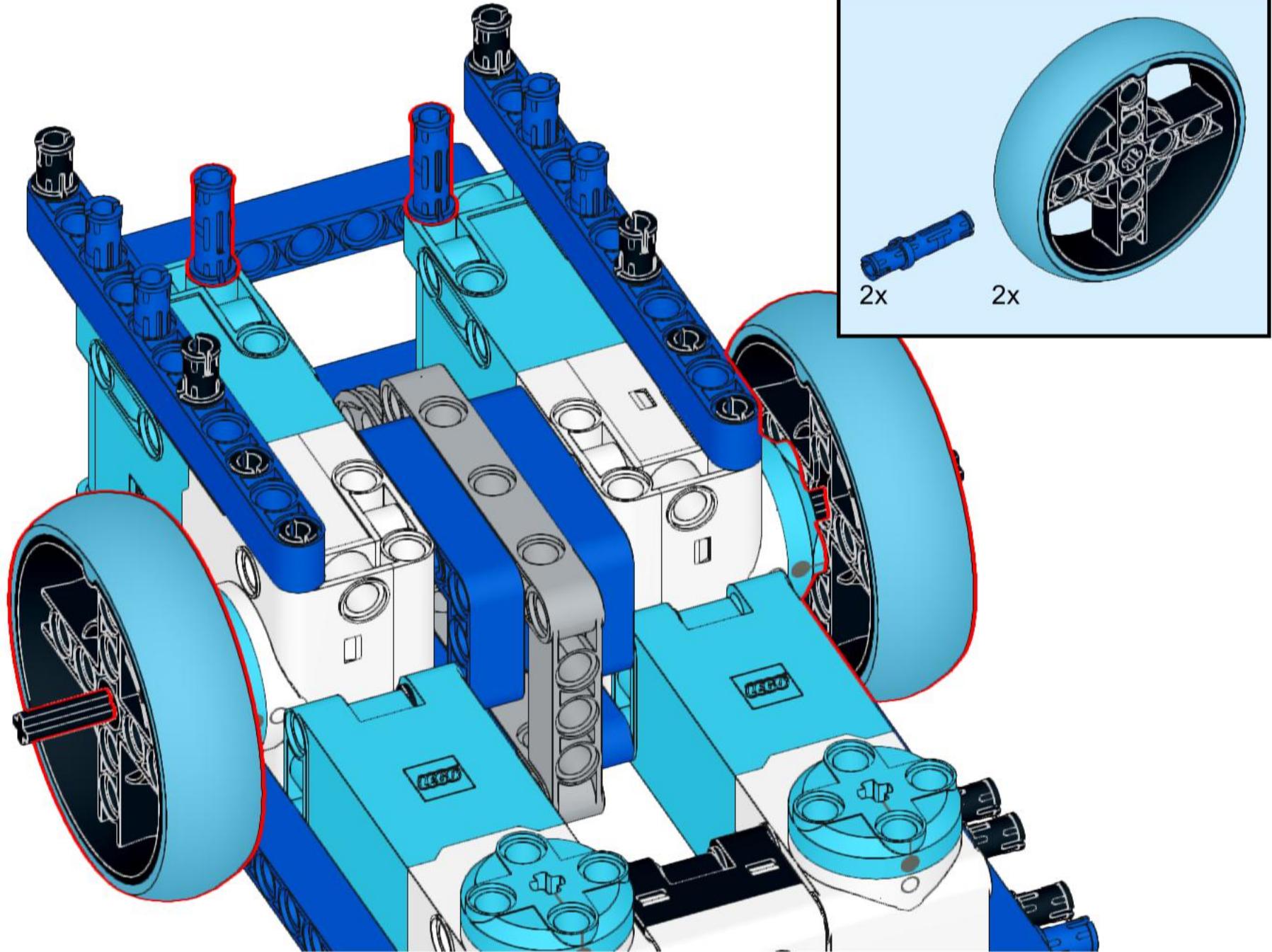


33

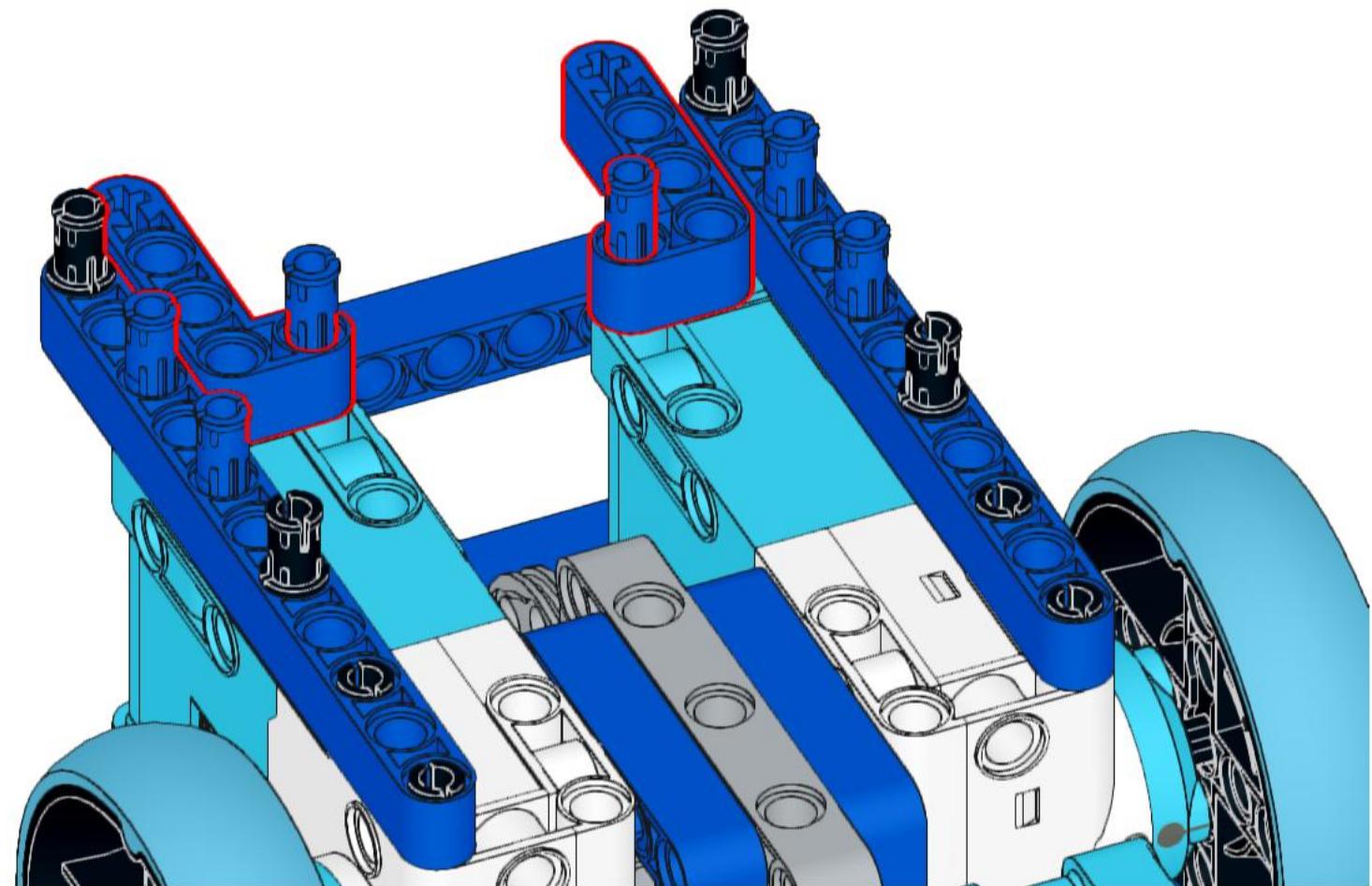
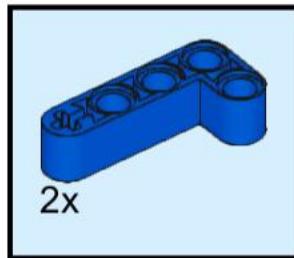




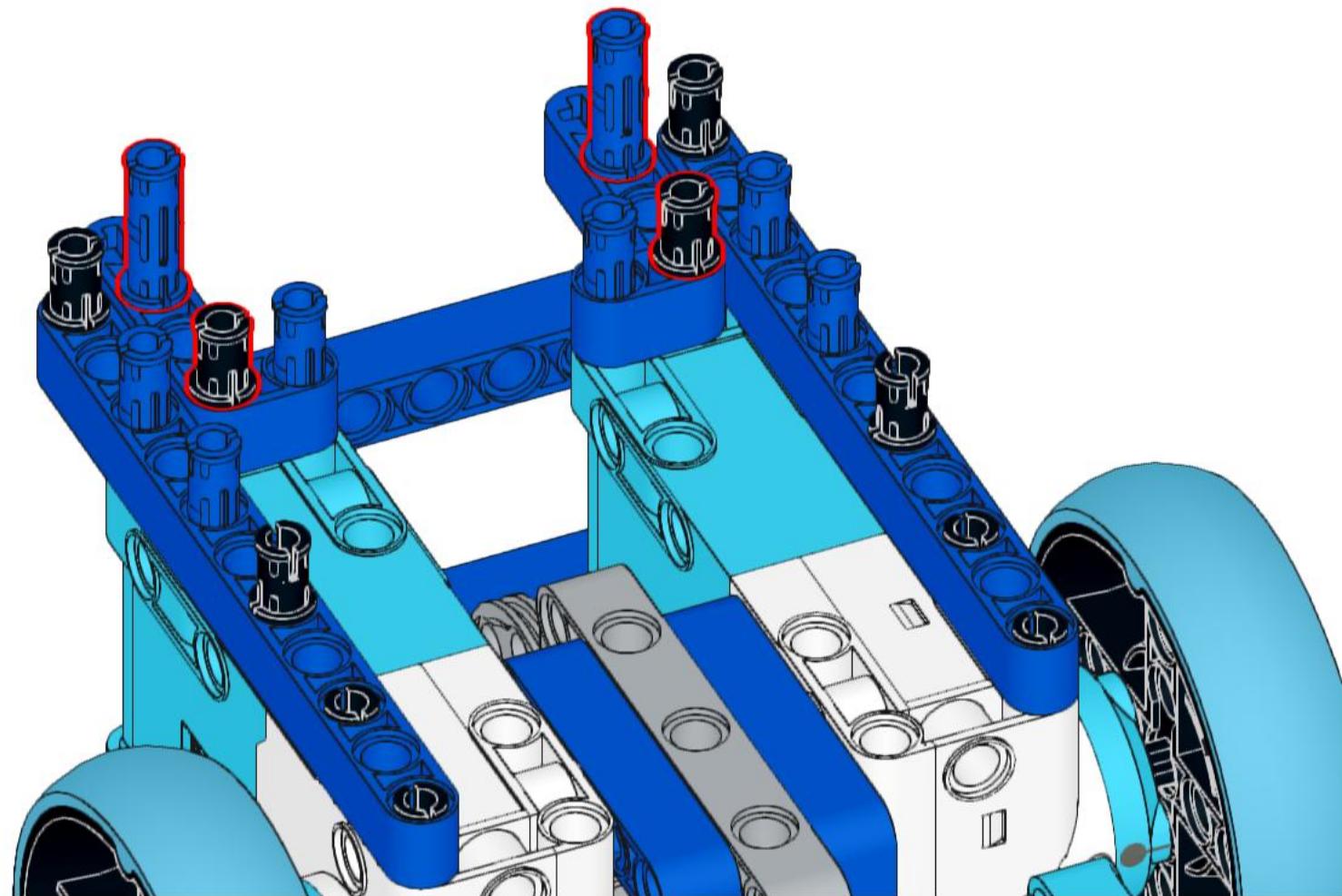
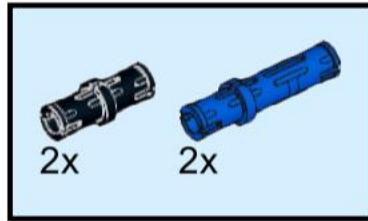
**35**



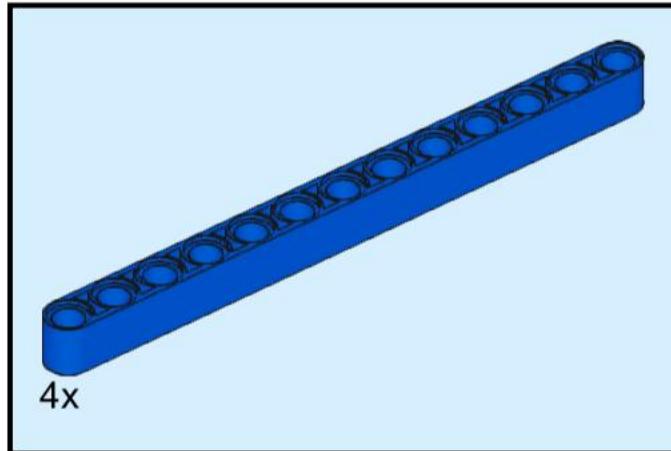
**36**



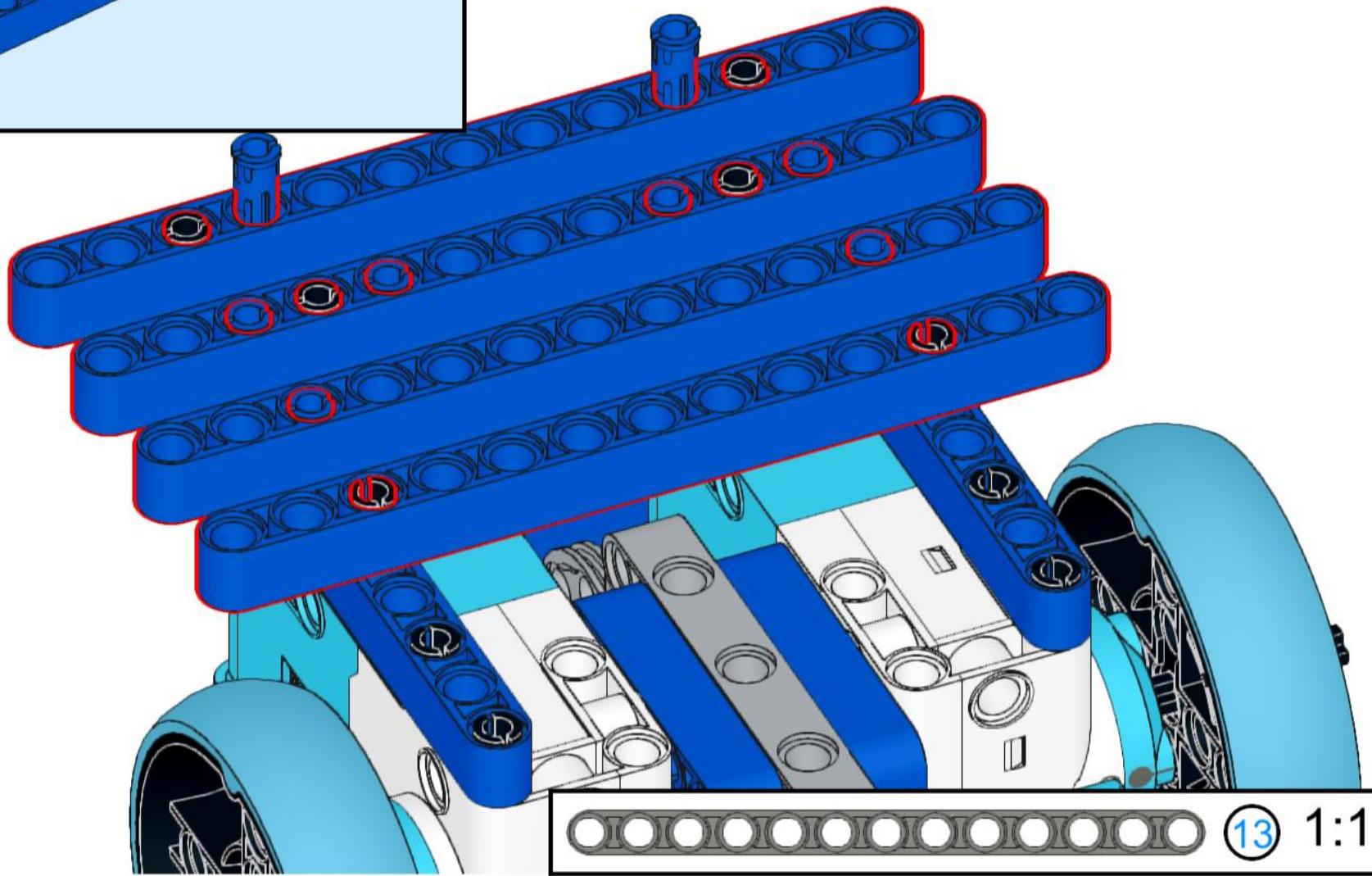
**37**



**38**

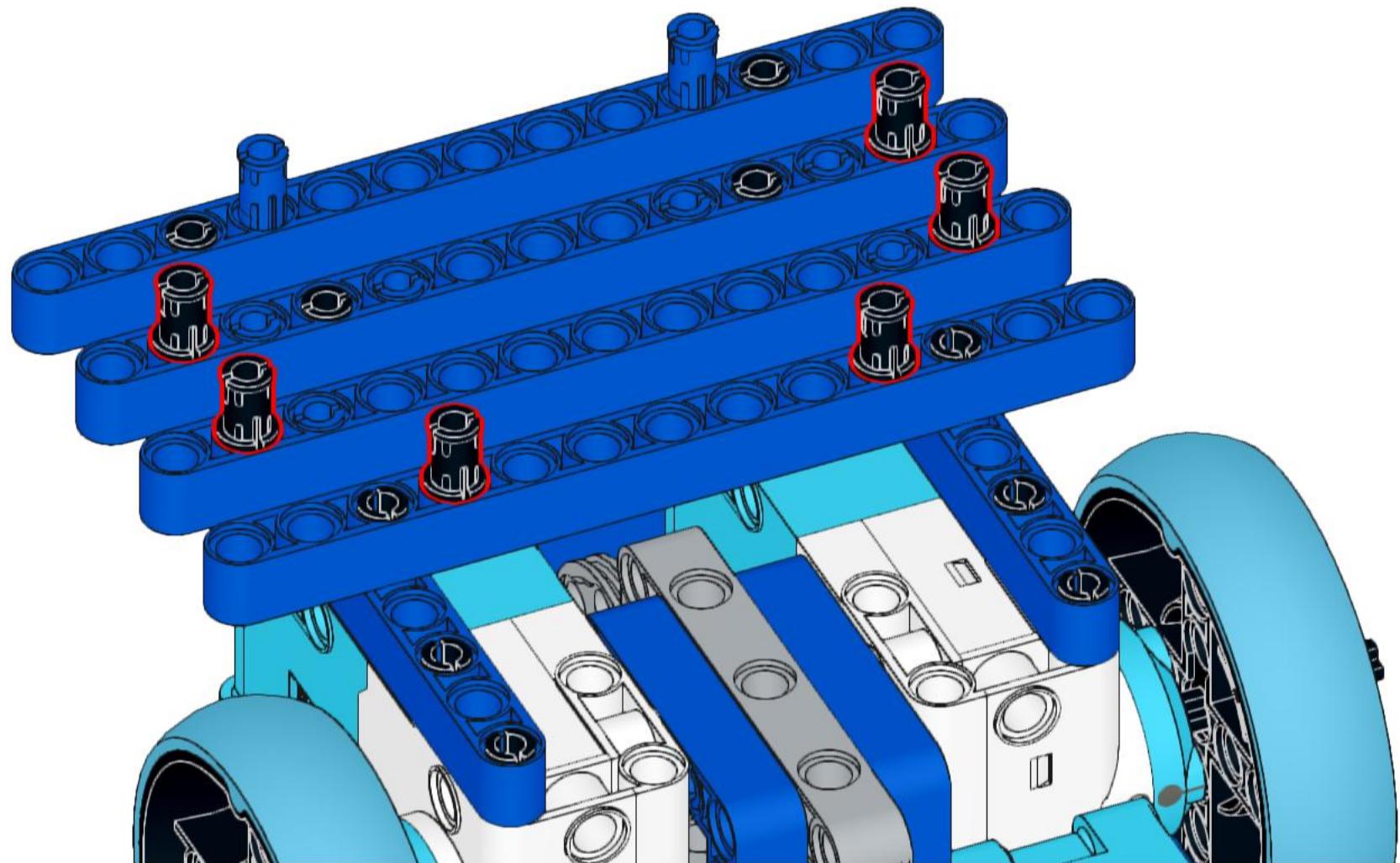


4x

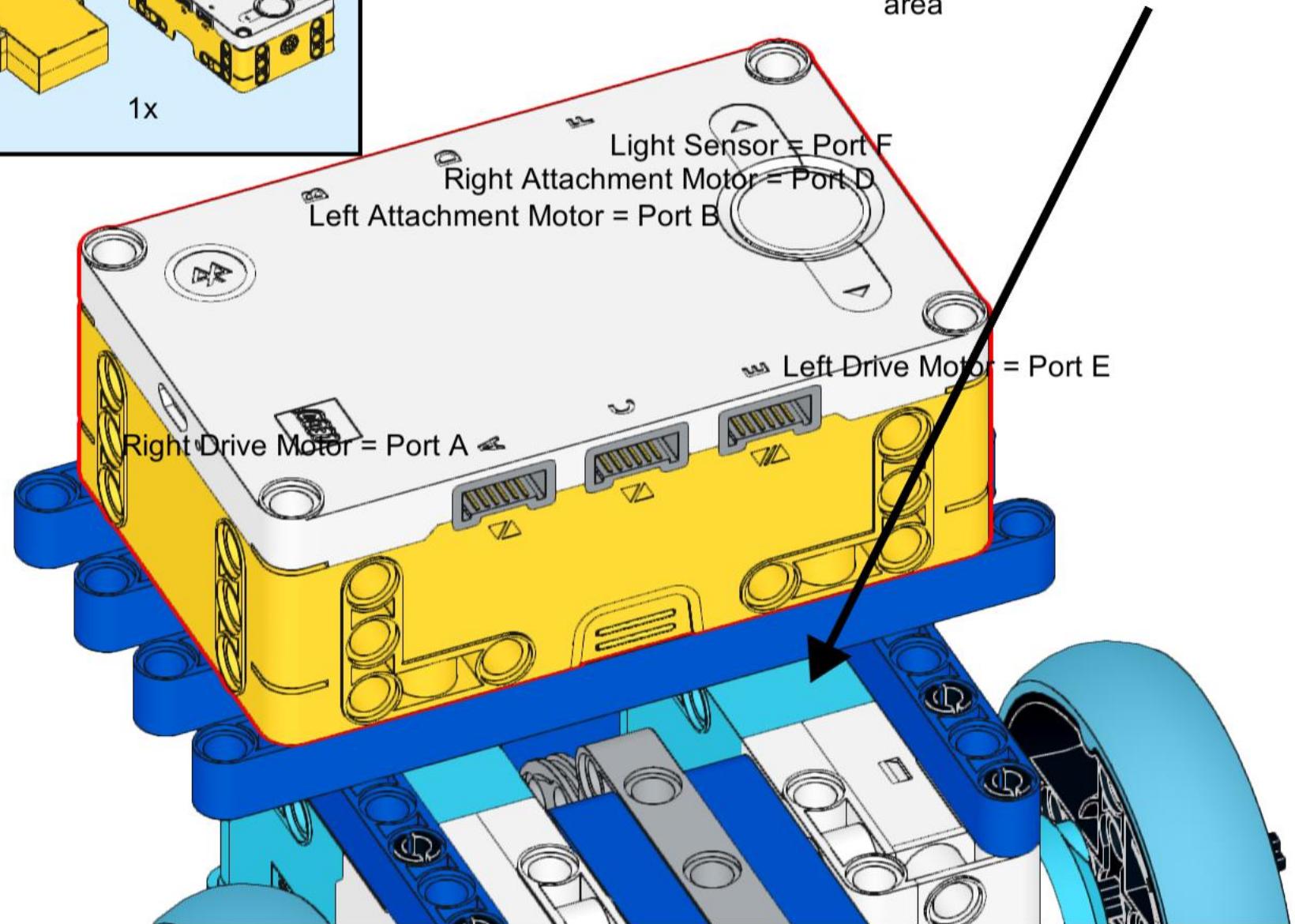
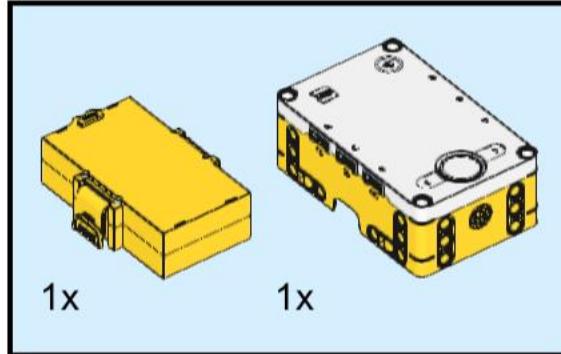


13 1:1

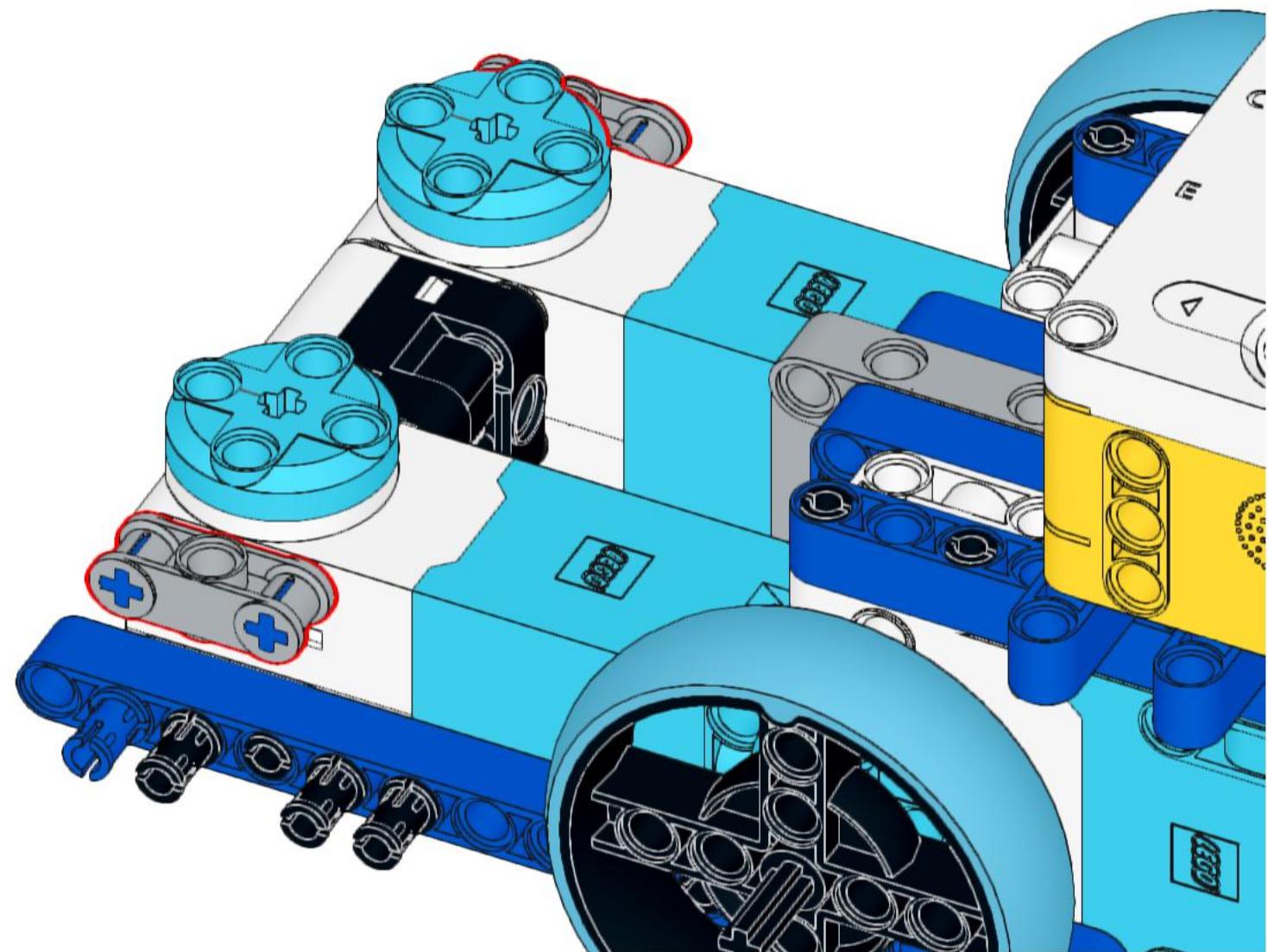
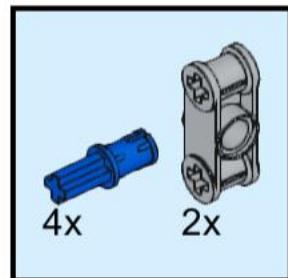
**39**



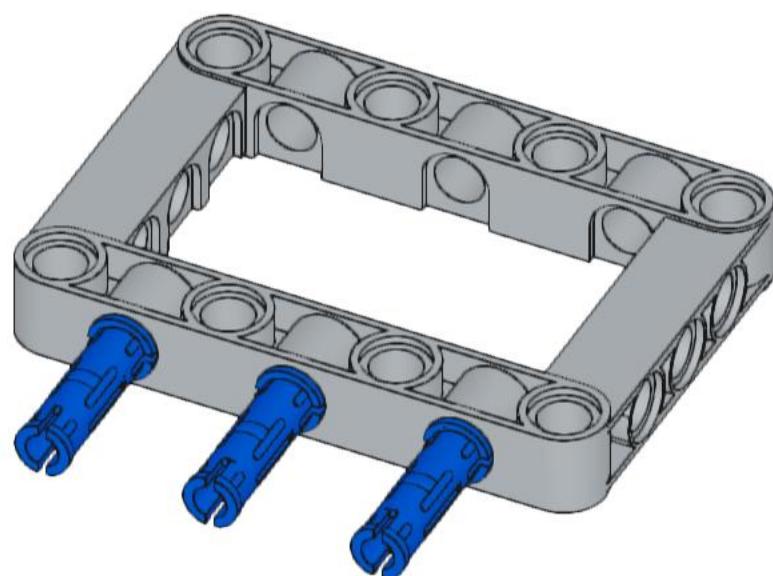
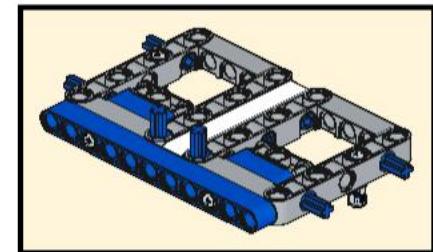
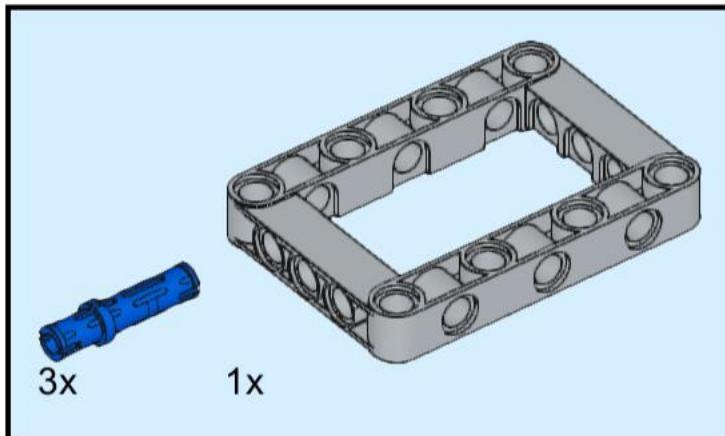
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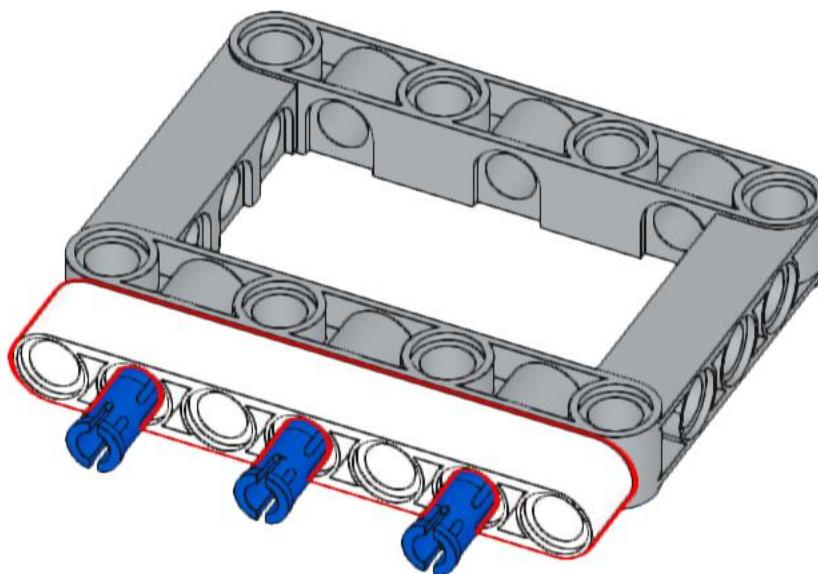
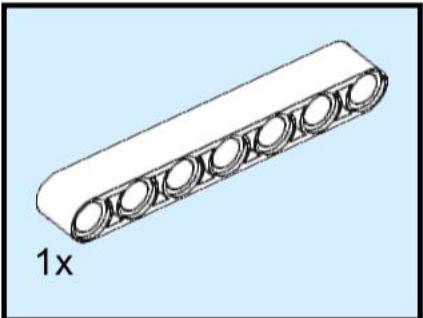
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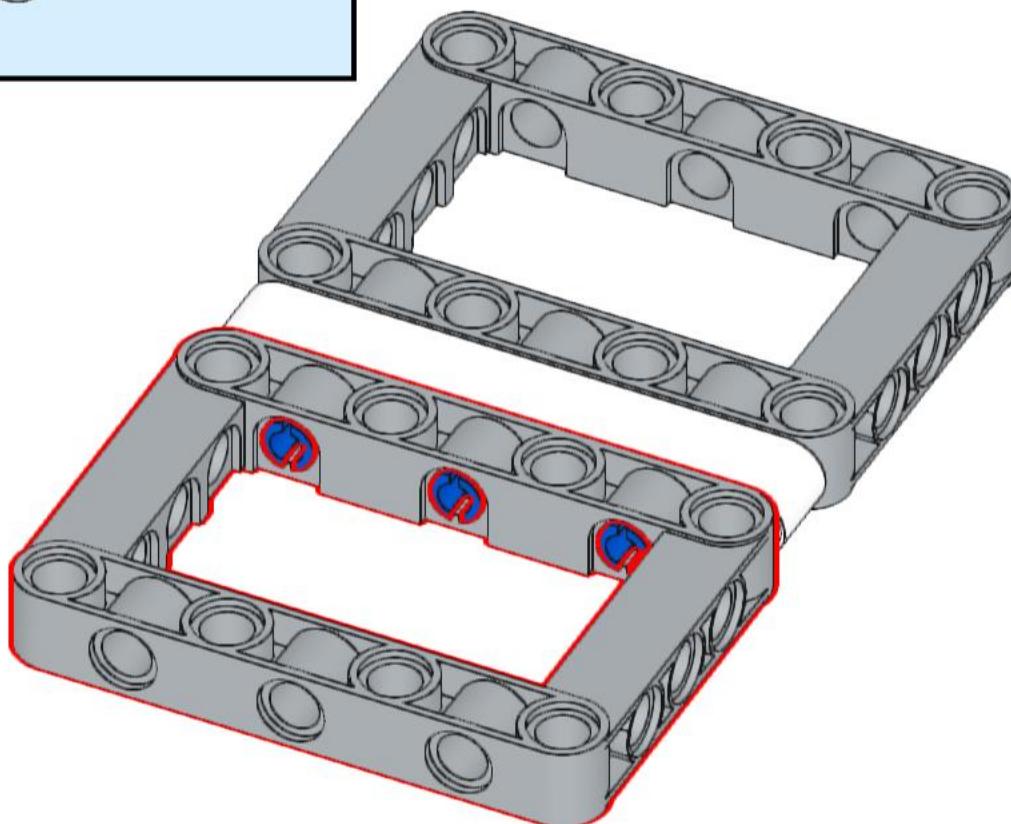
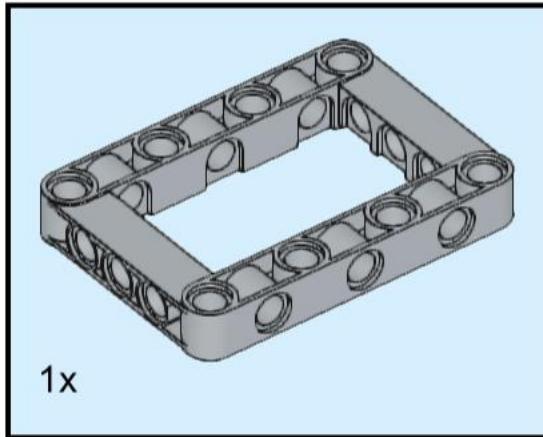
**42**



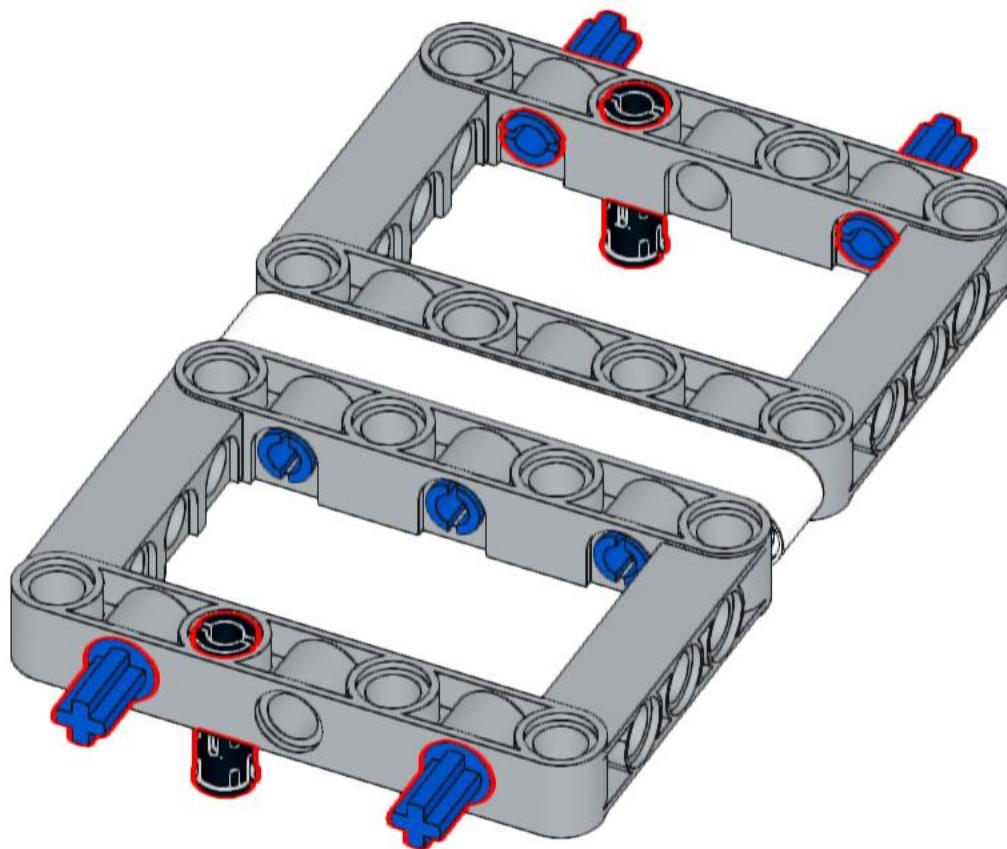
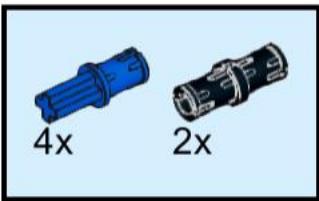
**43**



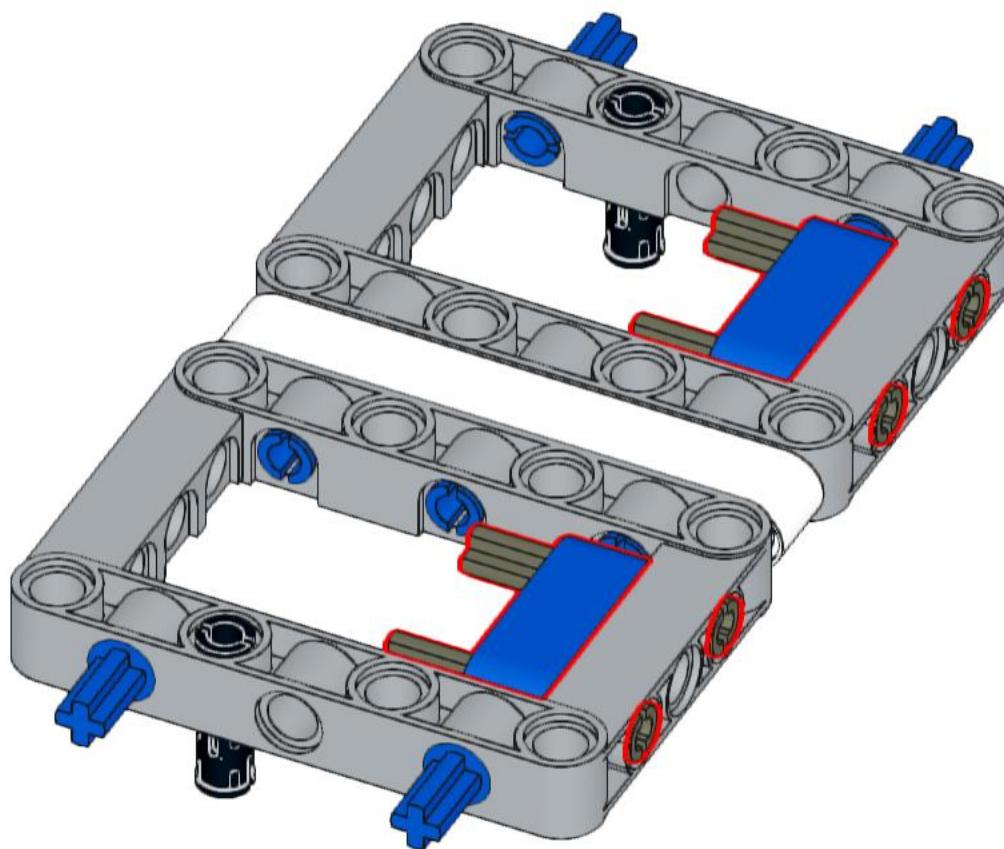
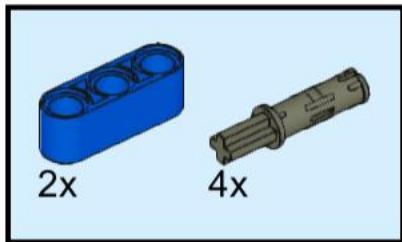
**44**



**45**



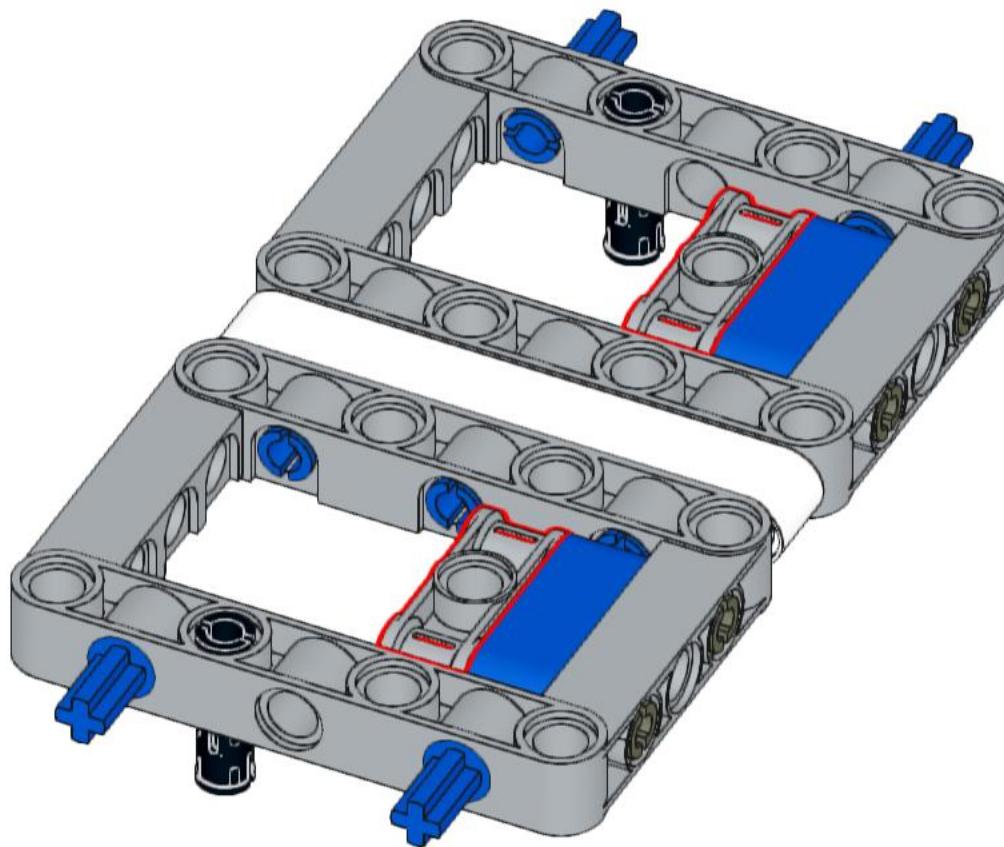
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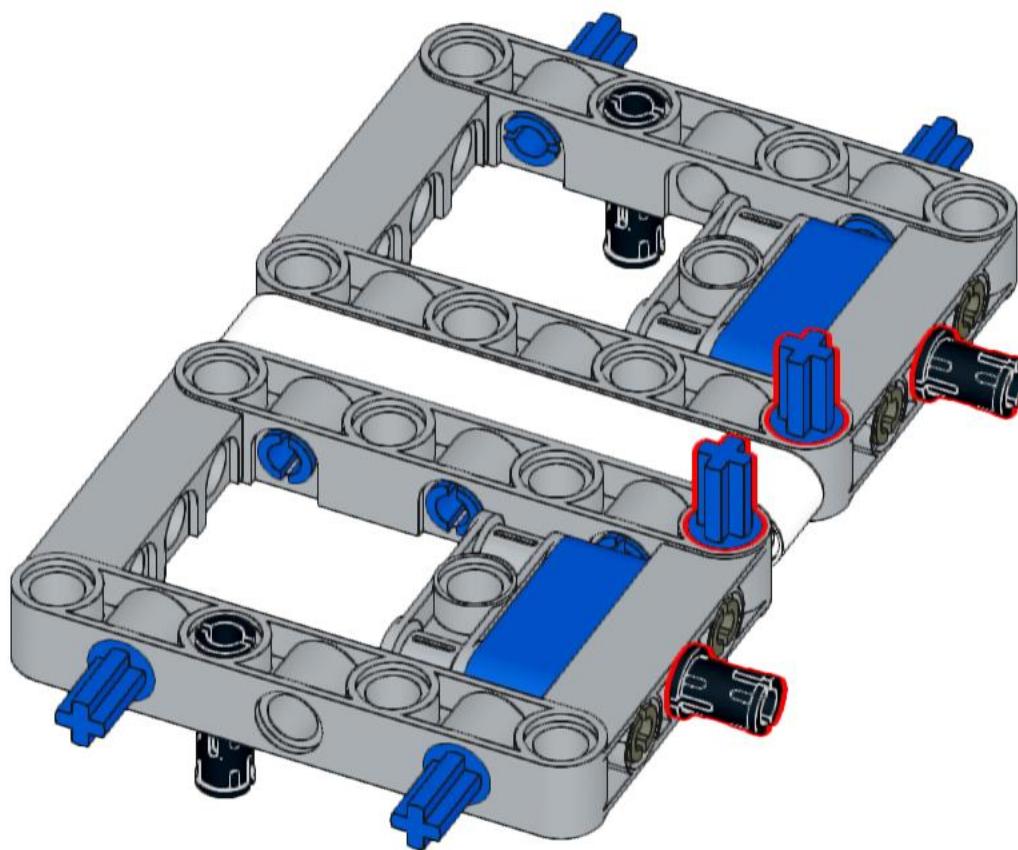
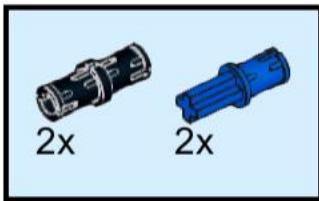
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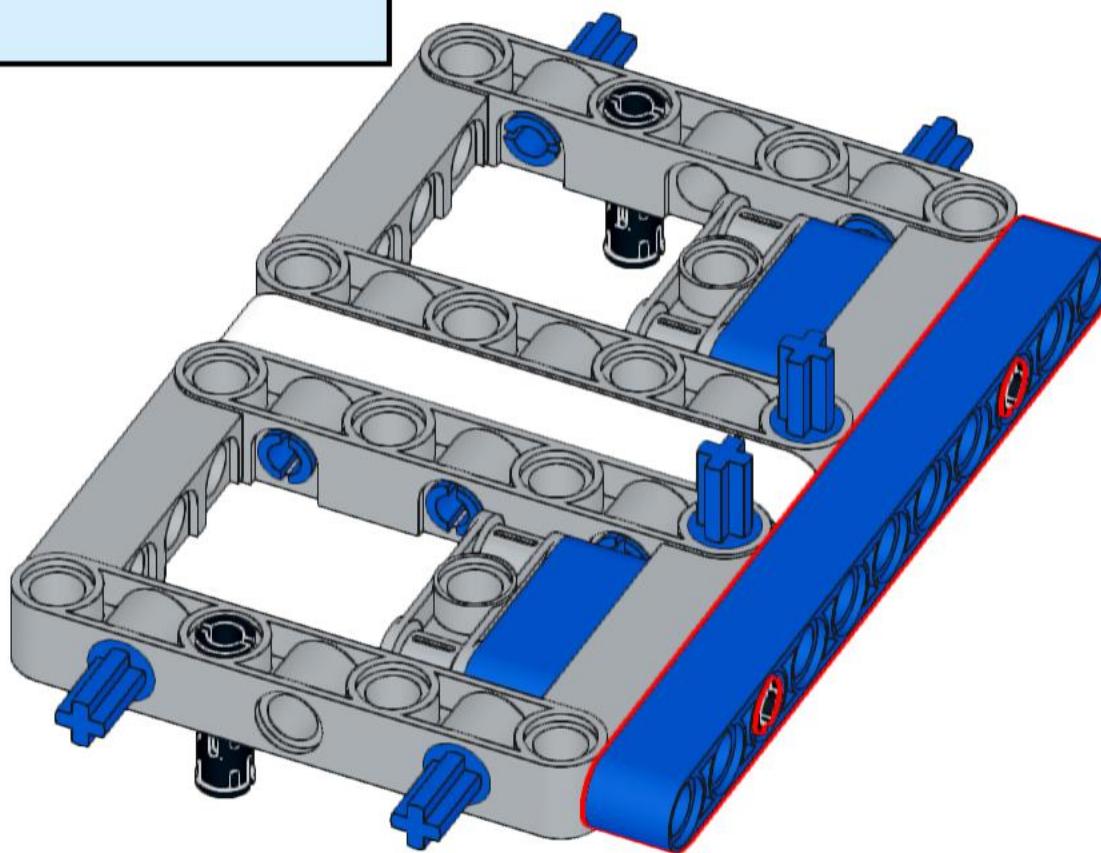
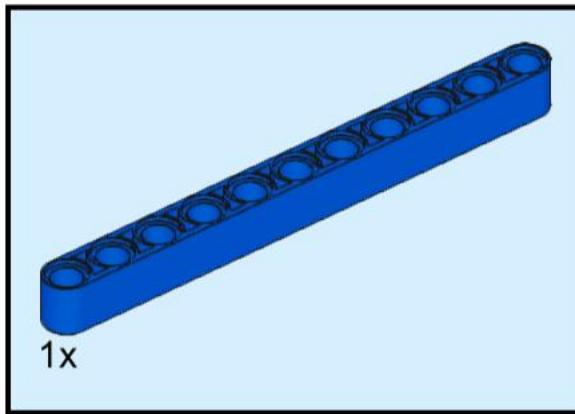
**2x**



**48**

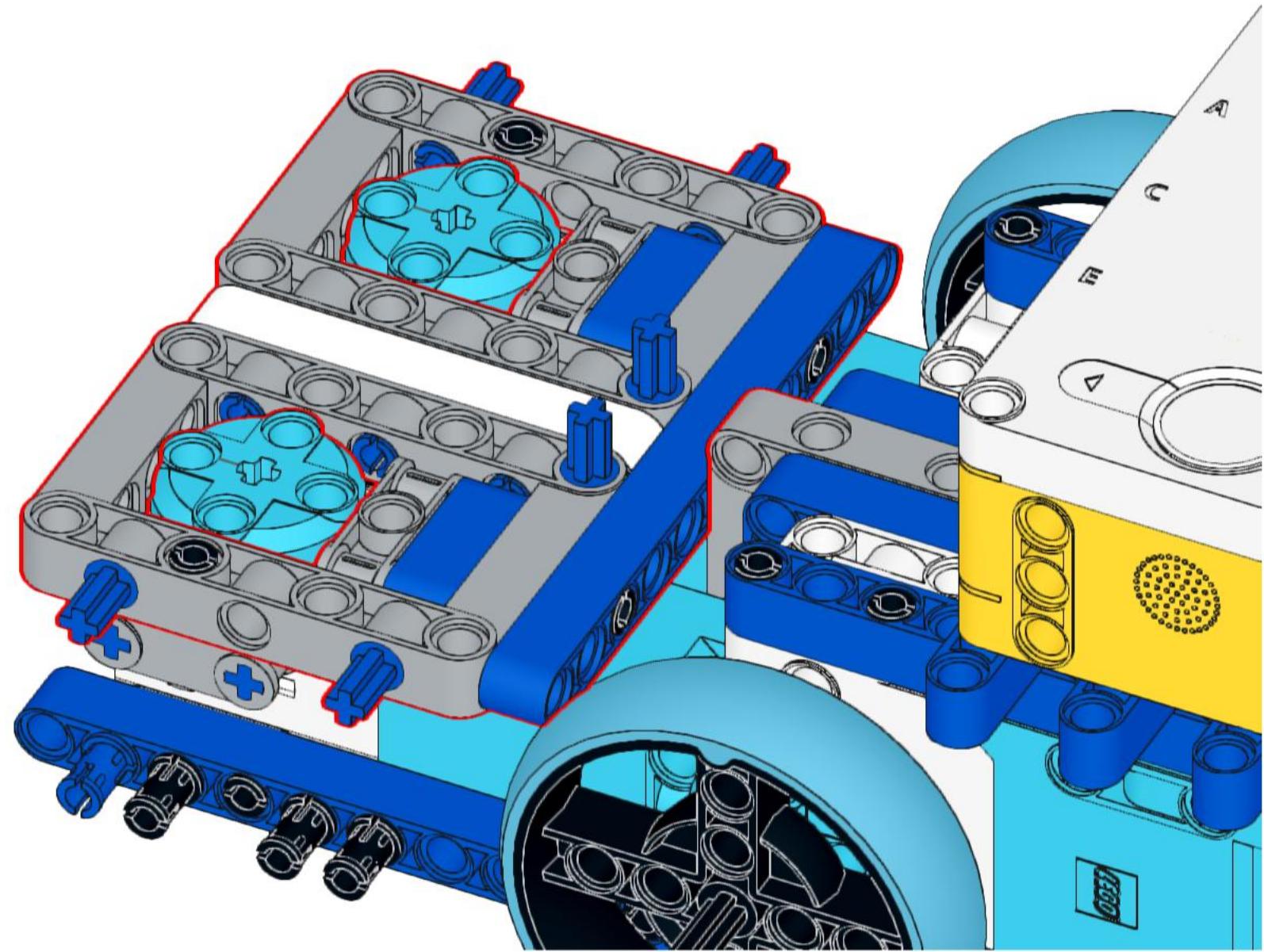


**49**

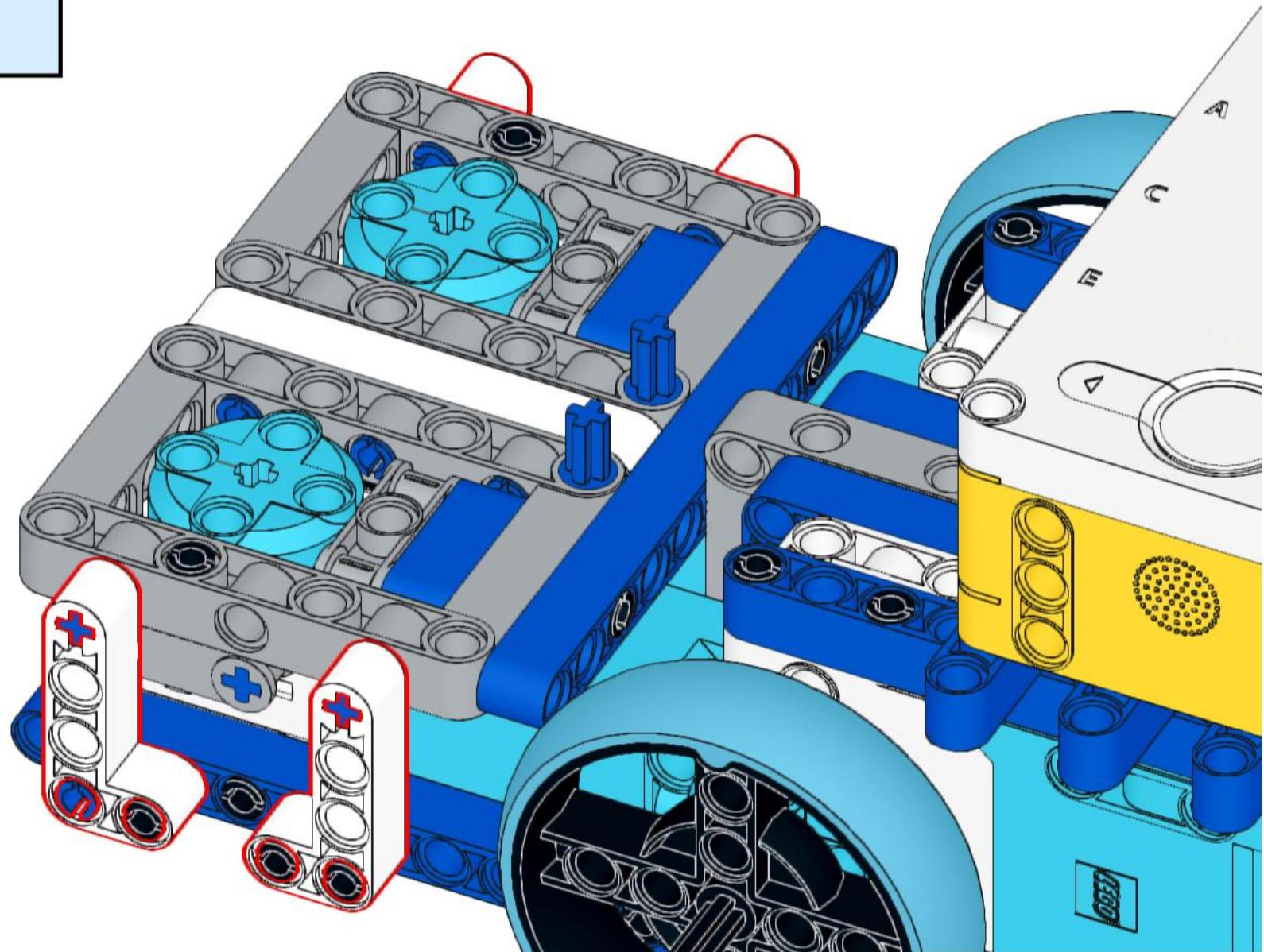
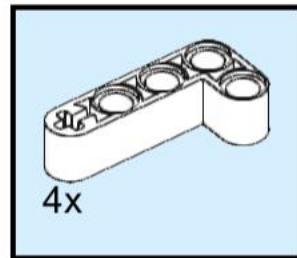


11 1:1

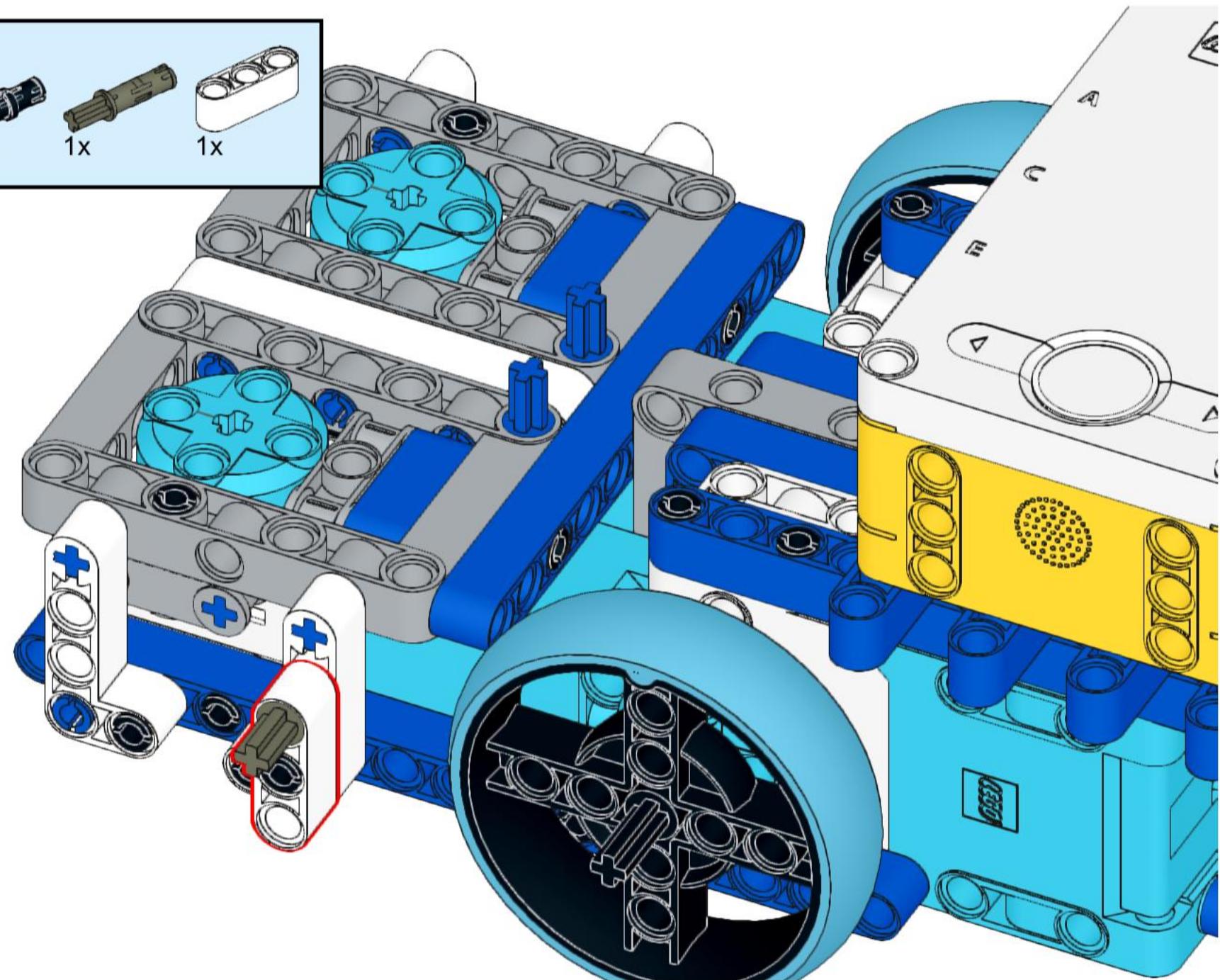
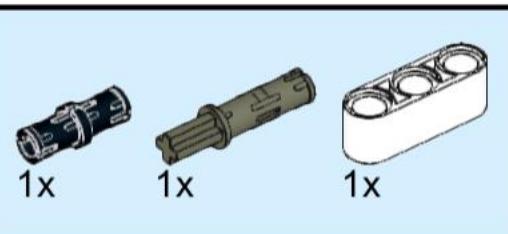
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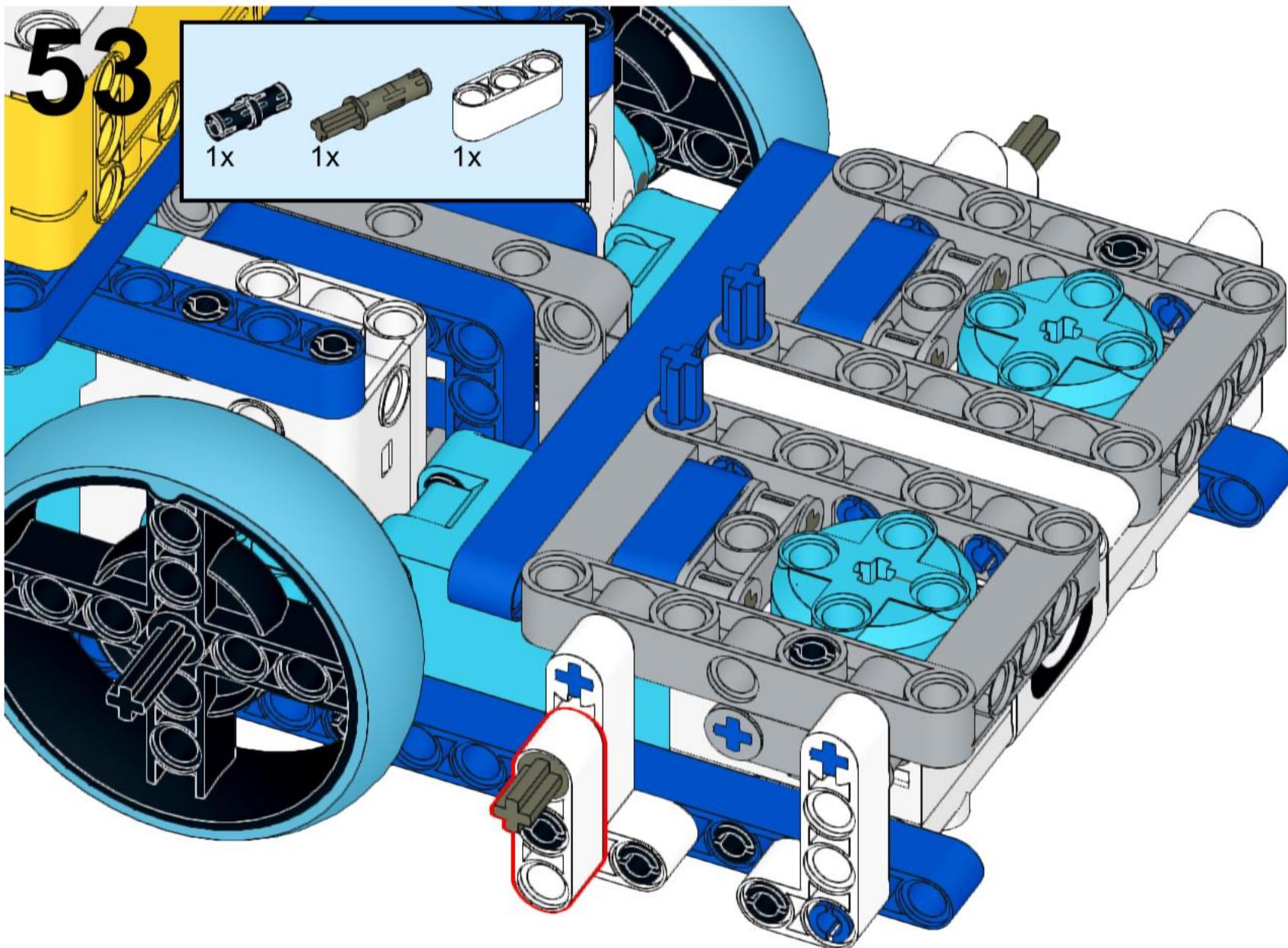
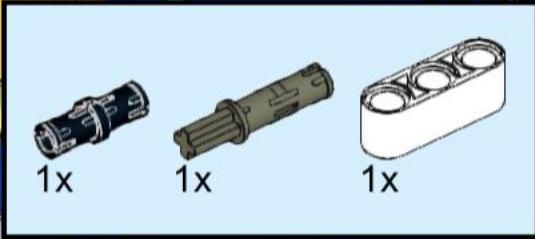
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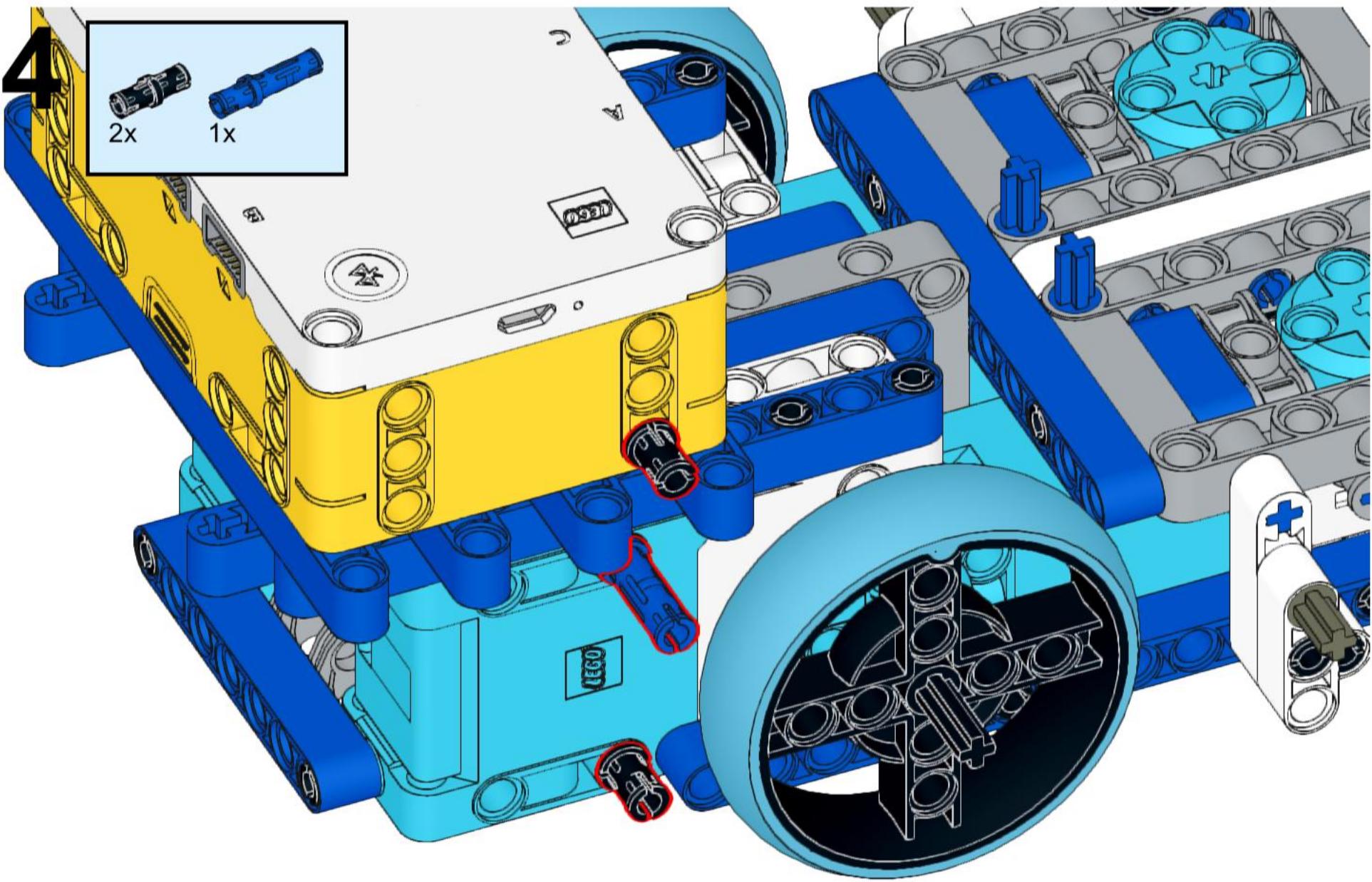
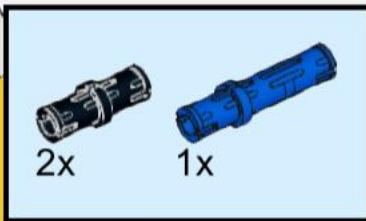
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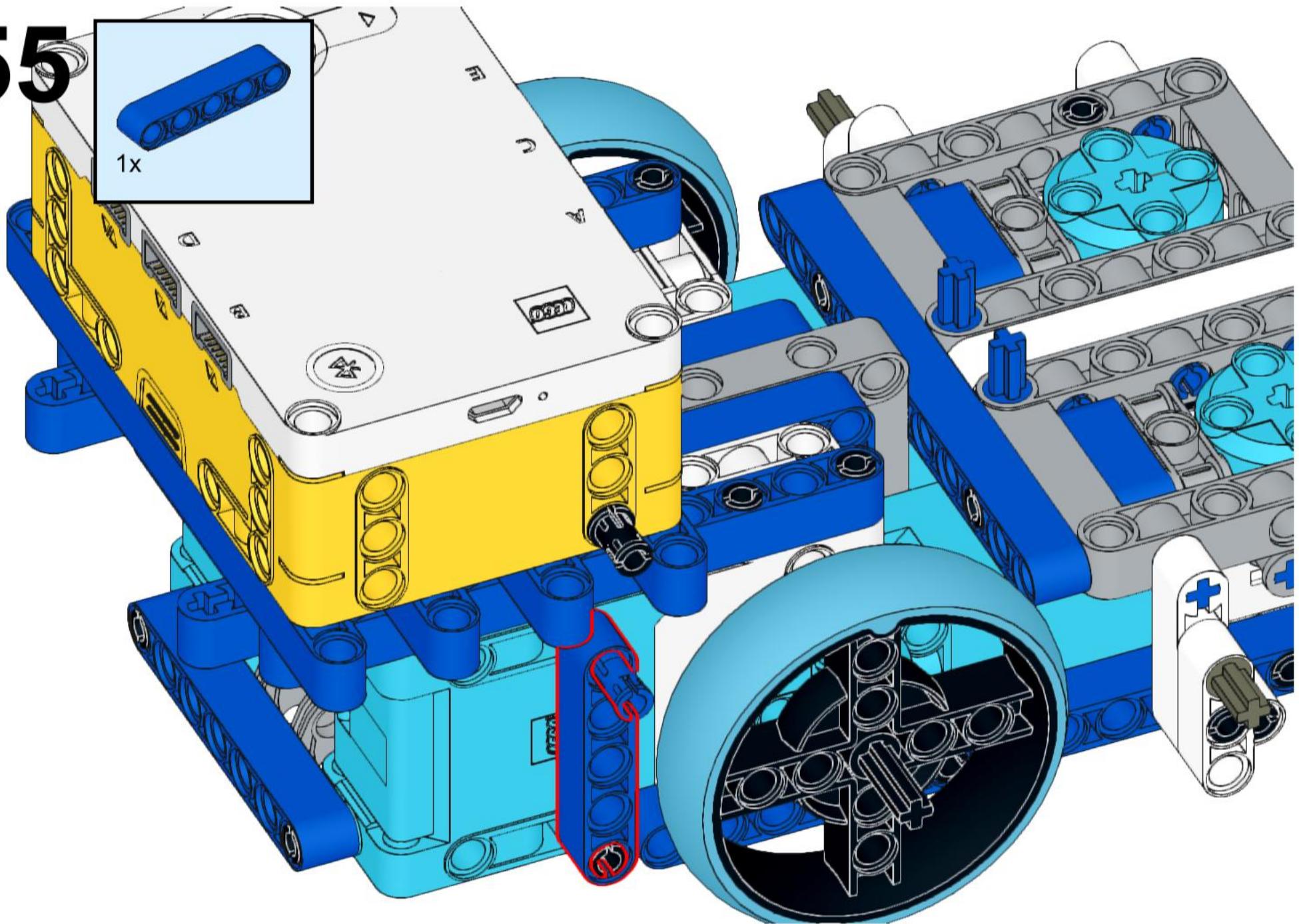
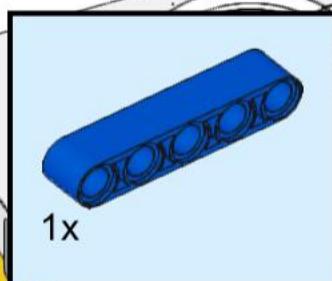
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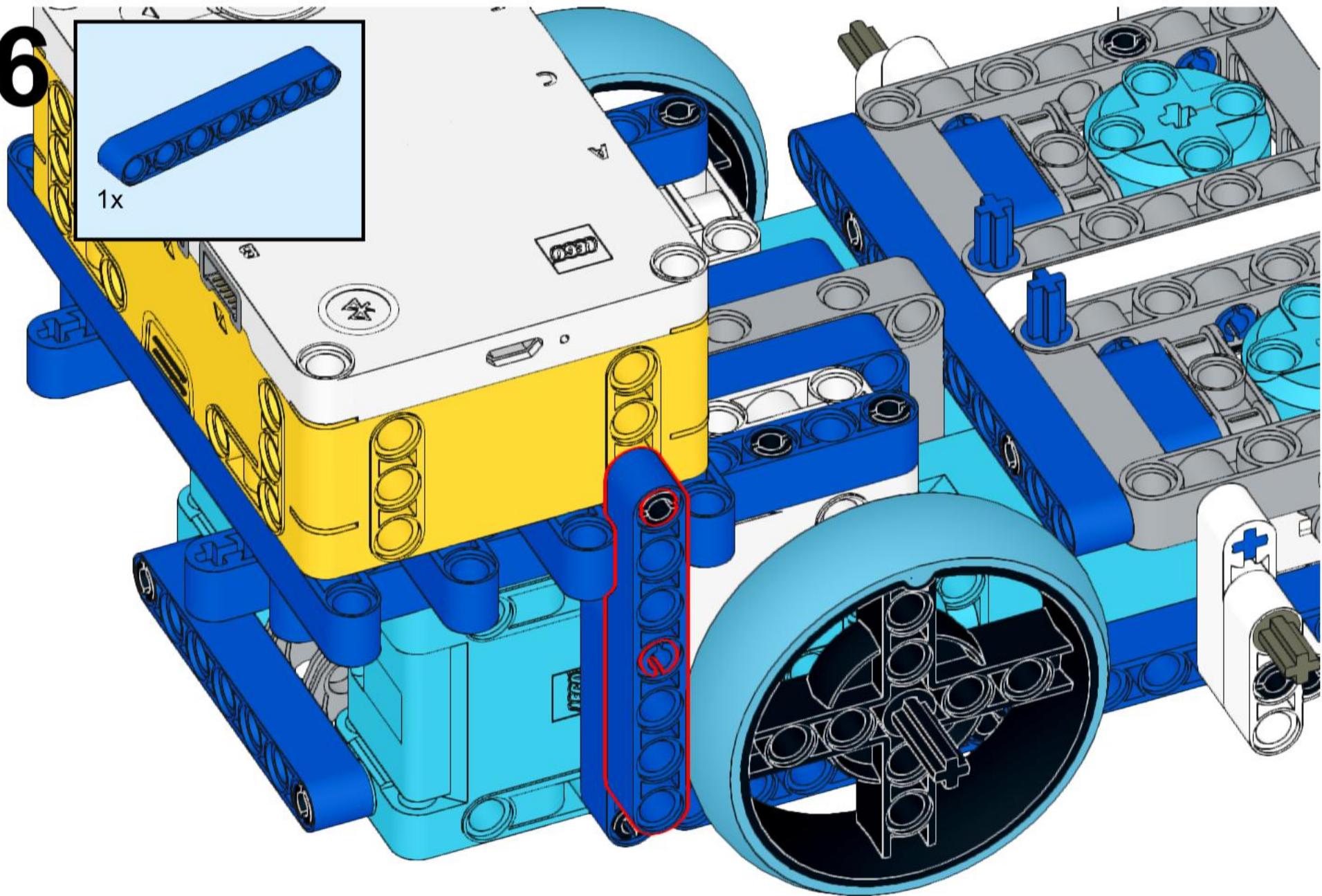
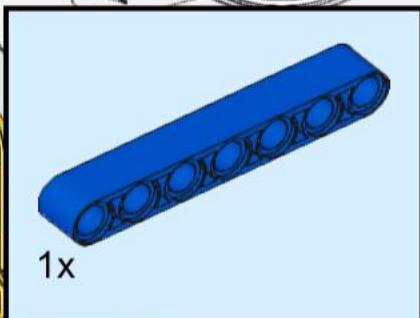
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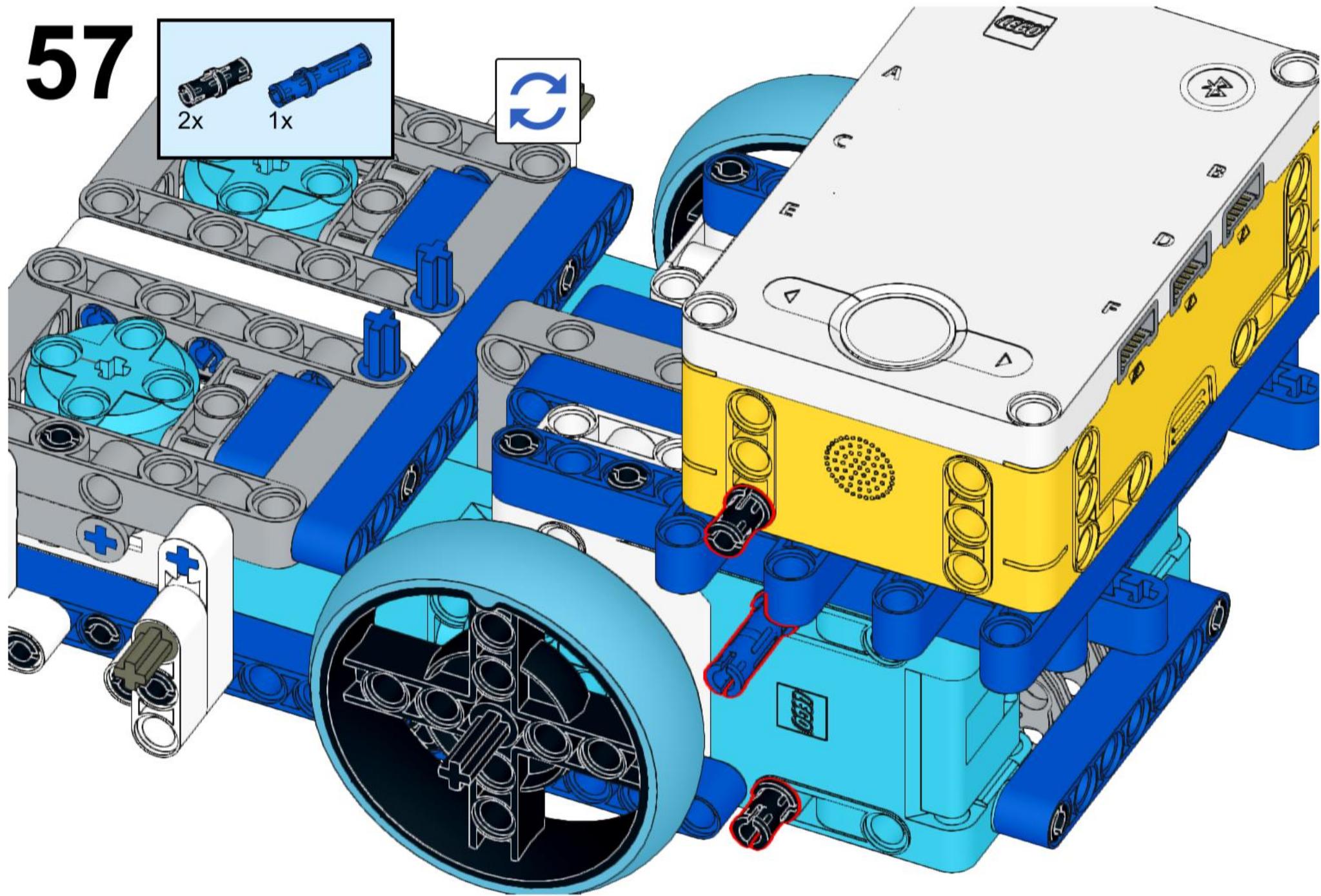
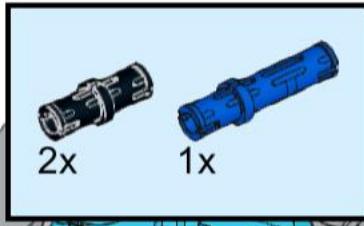
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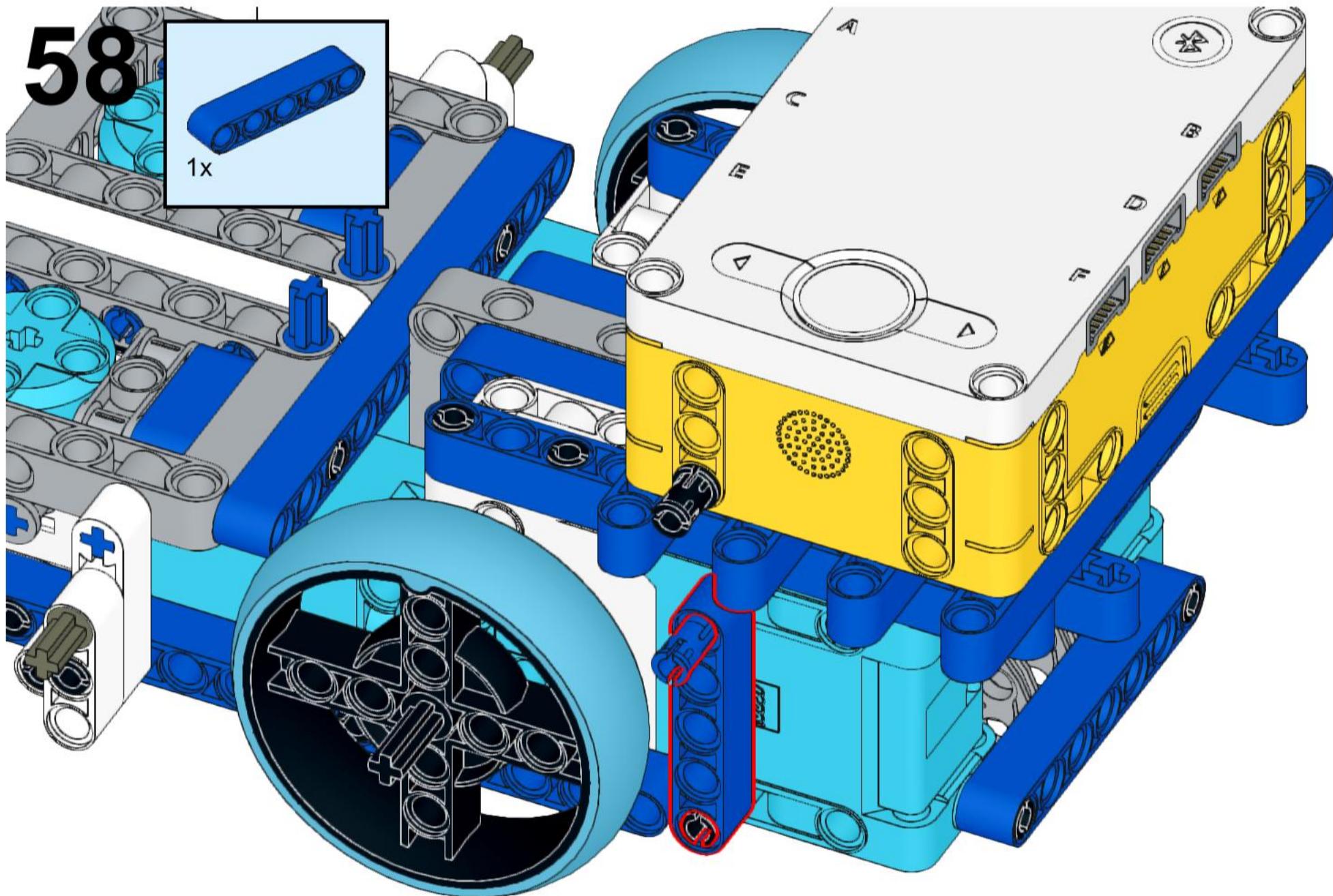
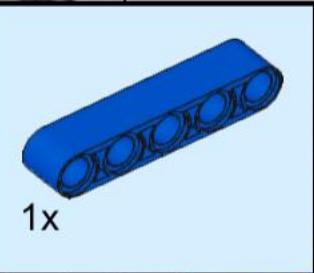
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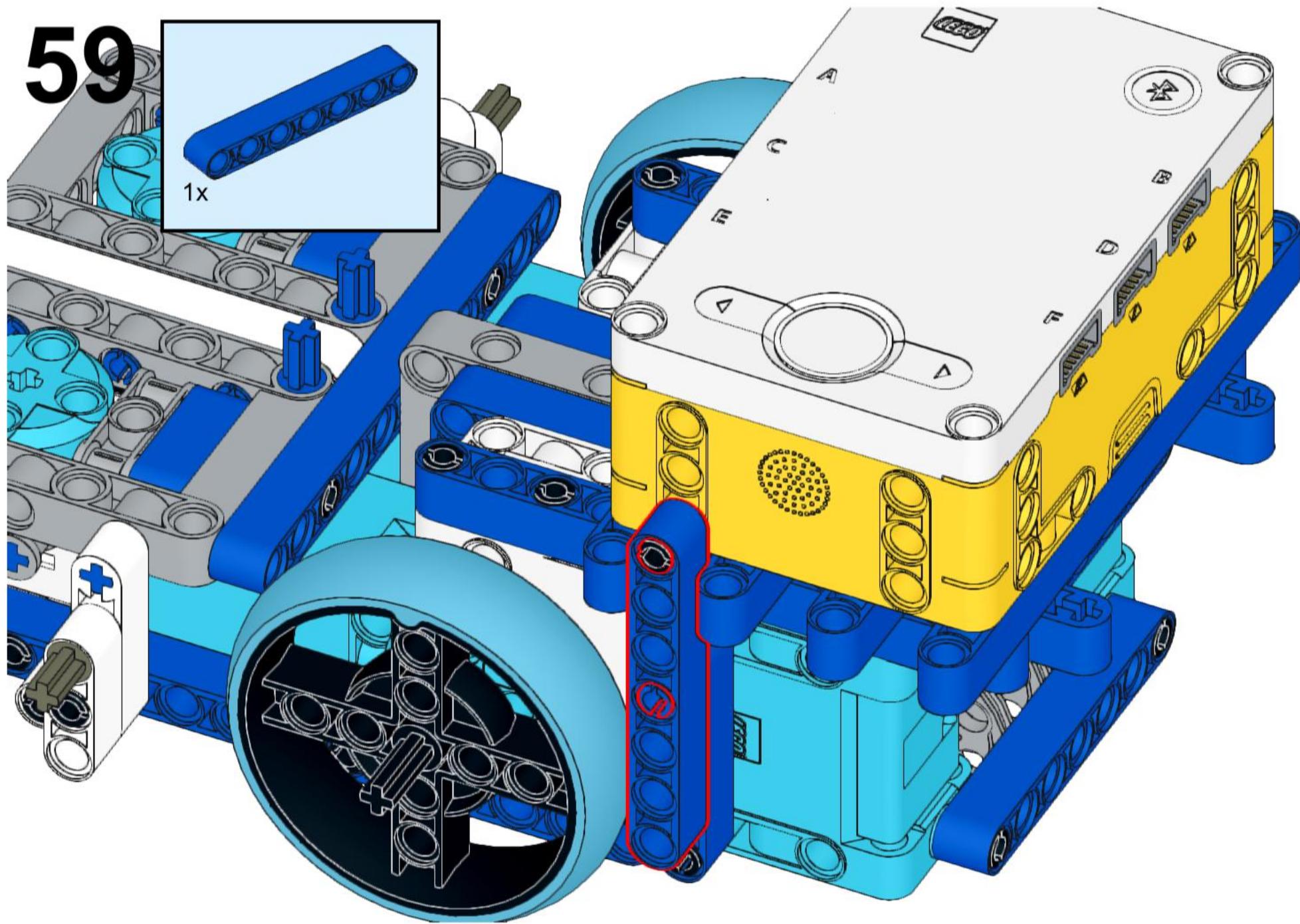
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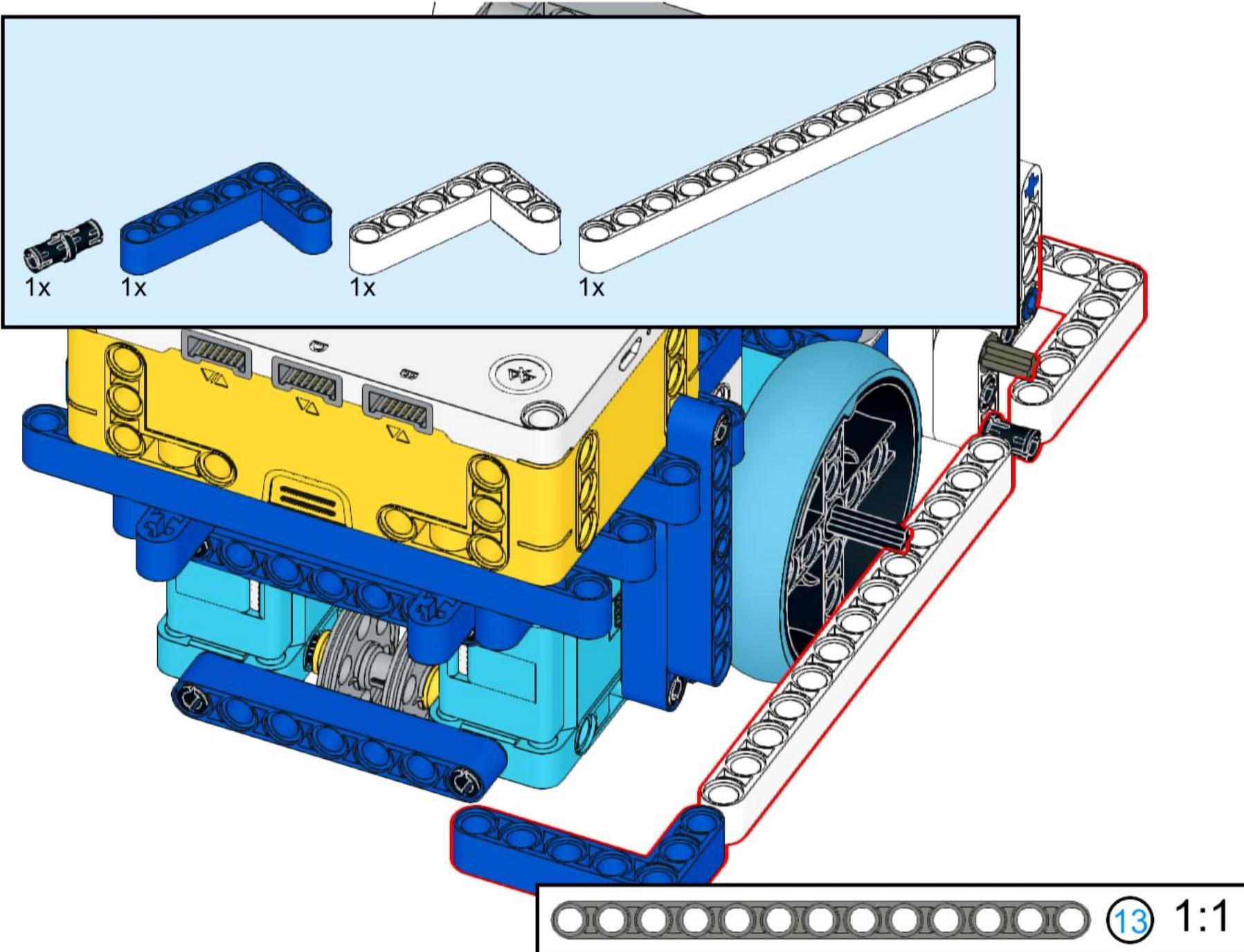
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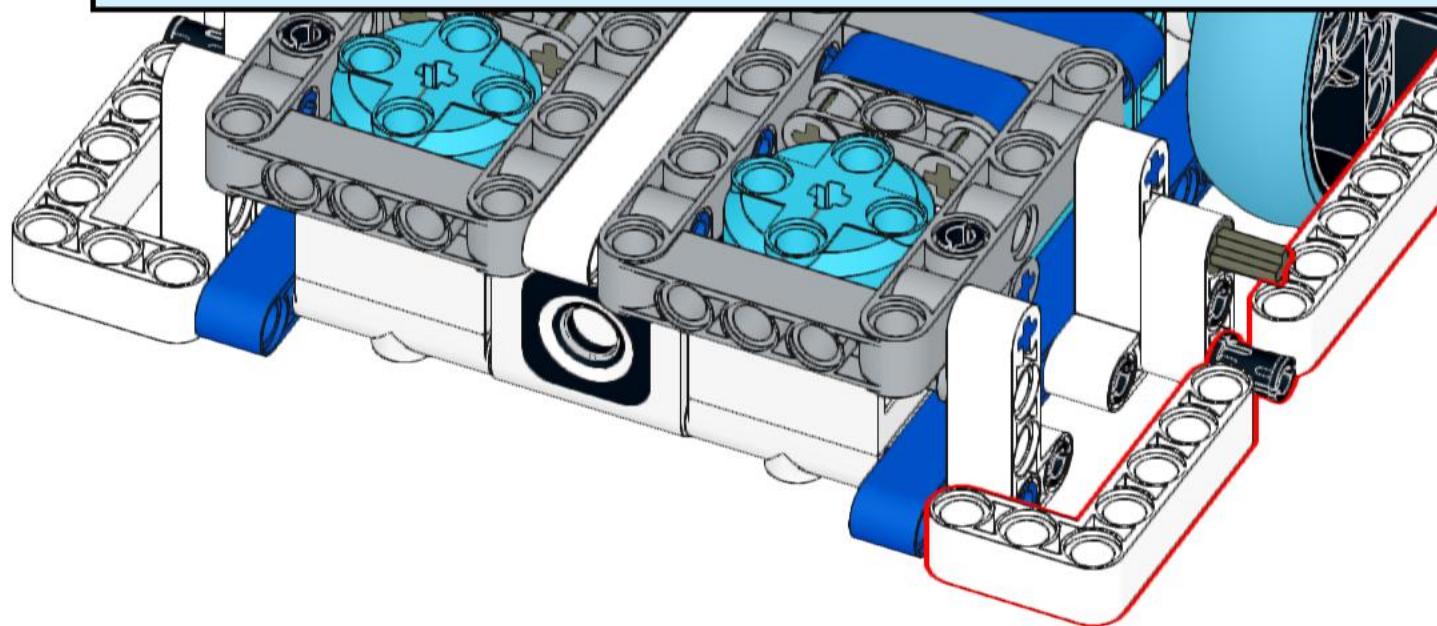
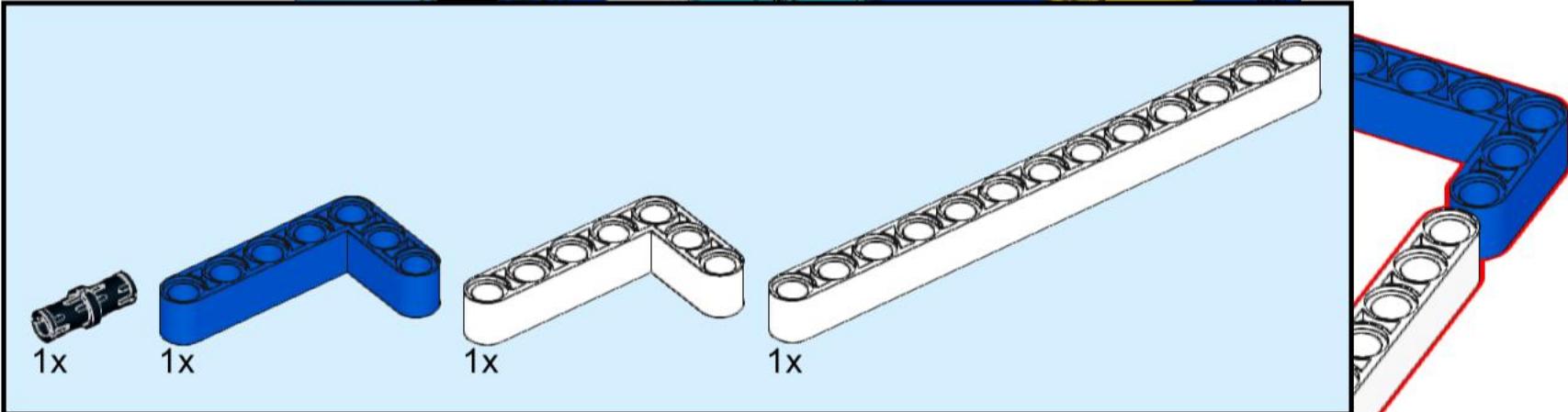
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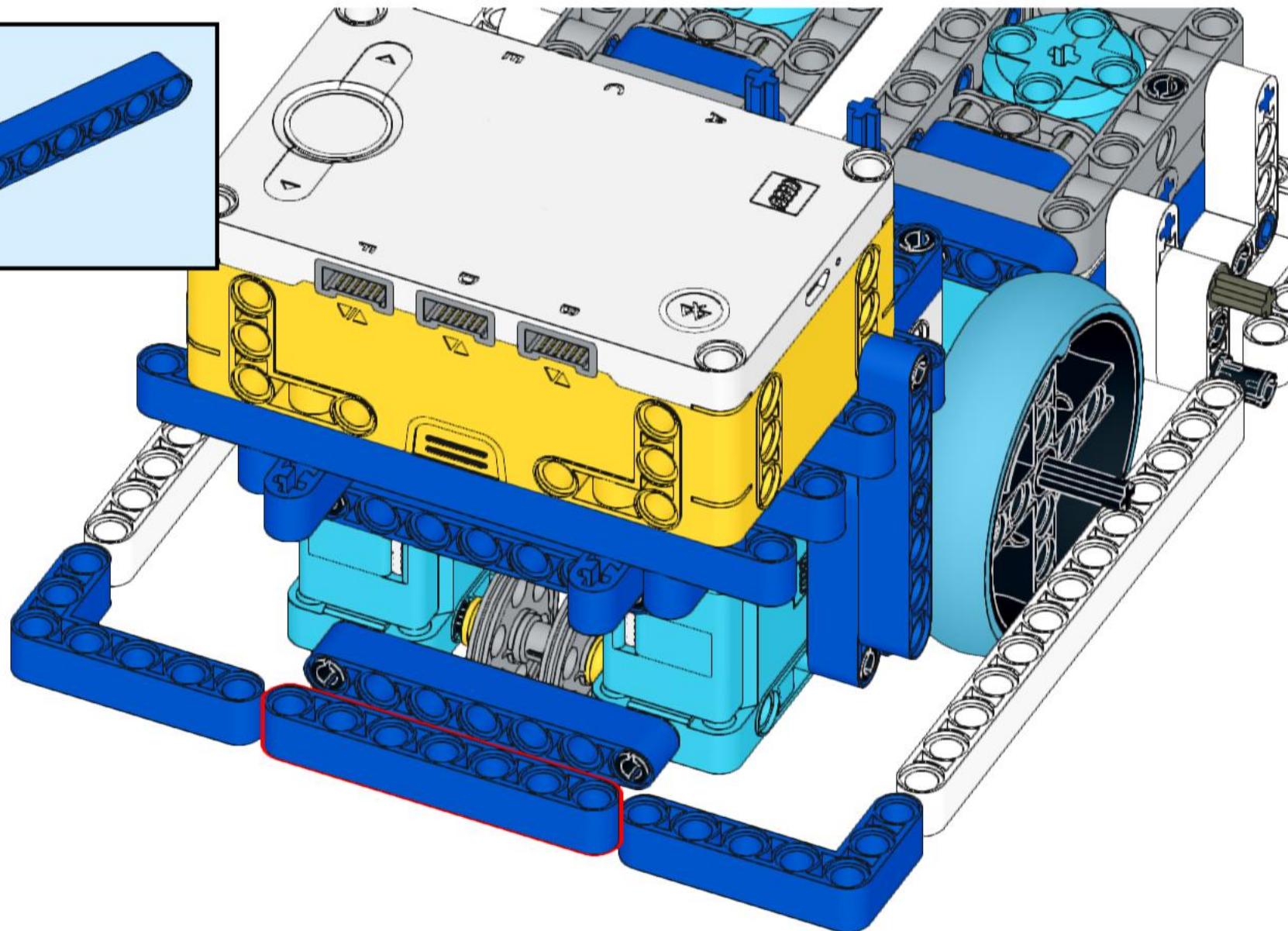
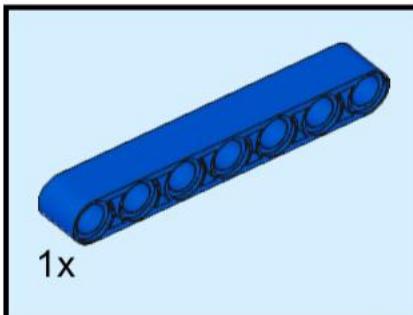


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13 1:1

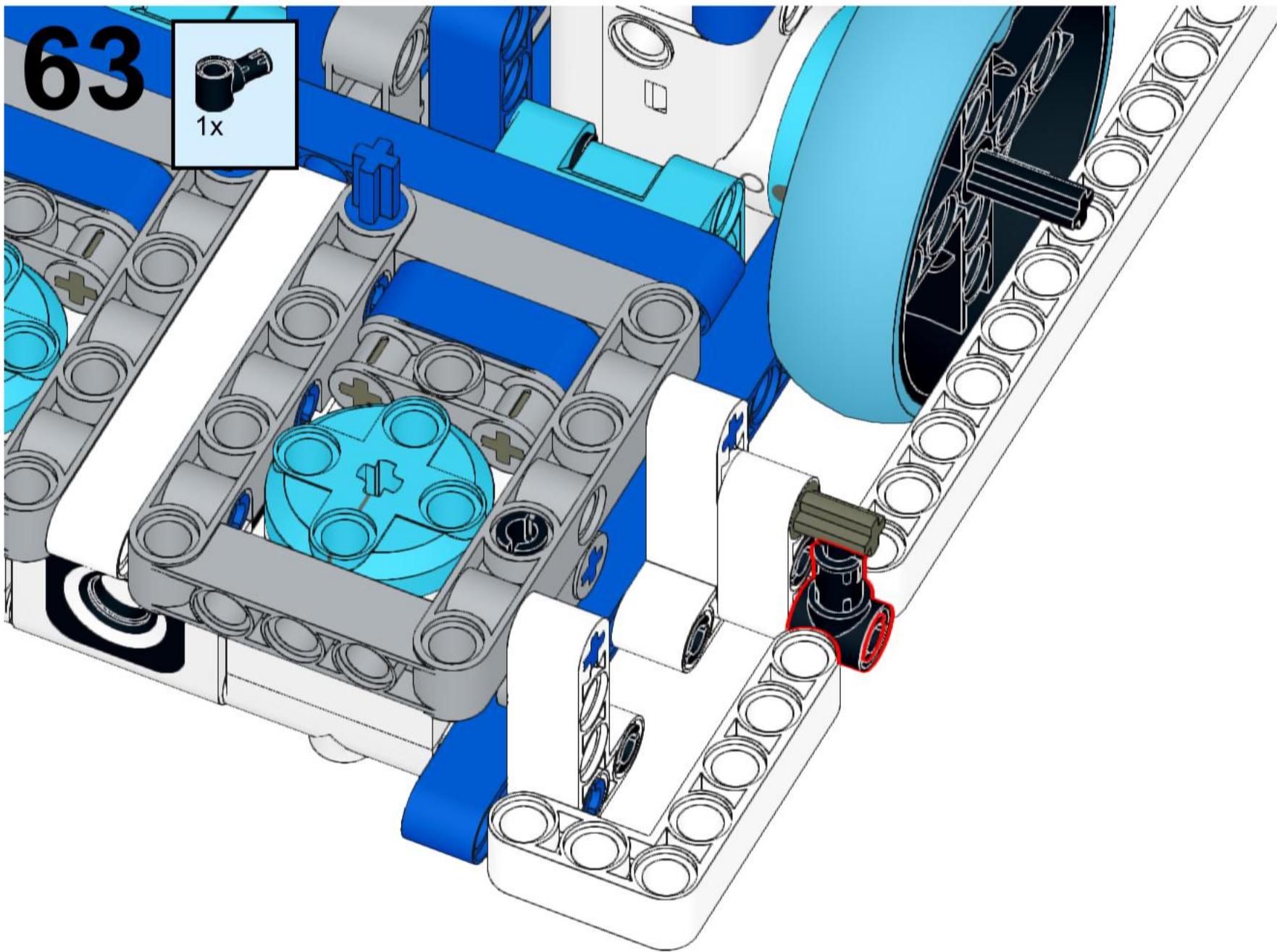
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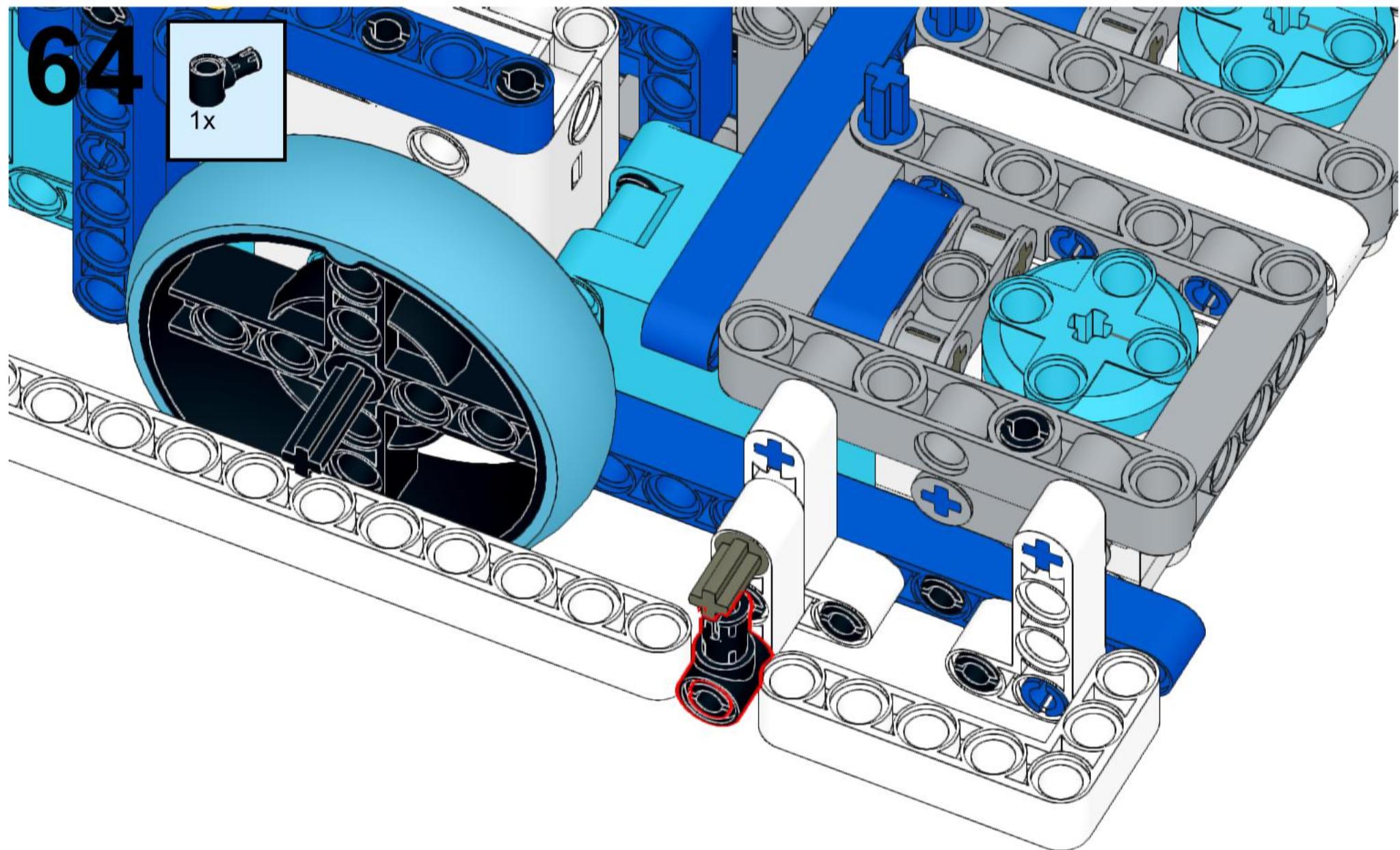
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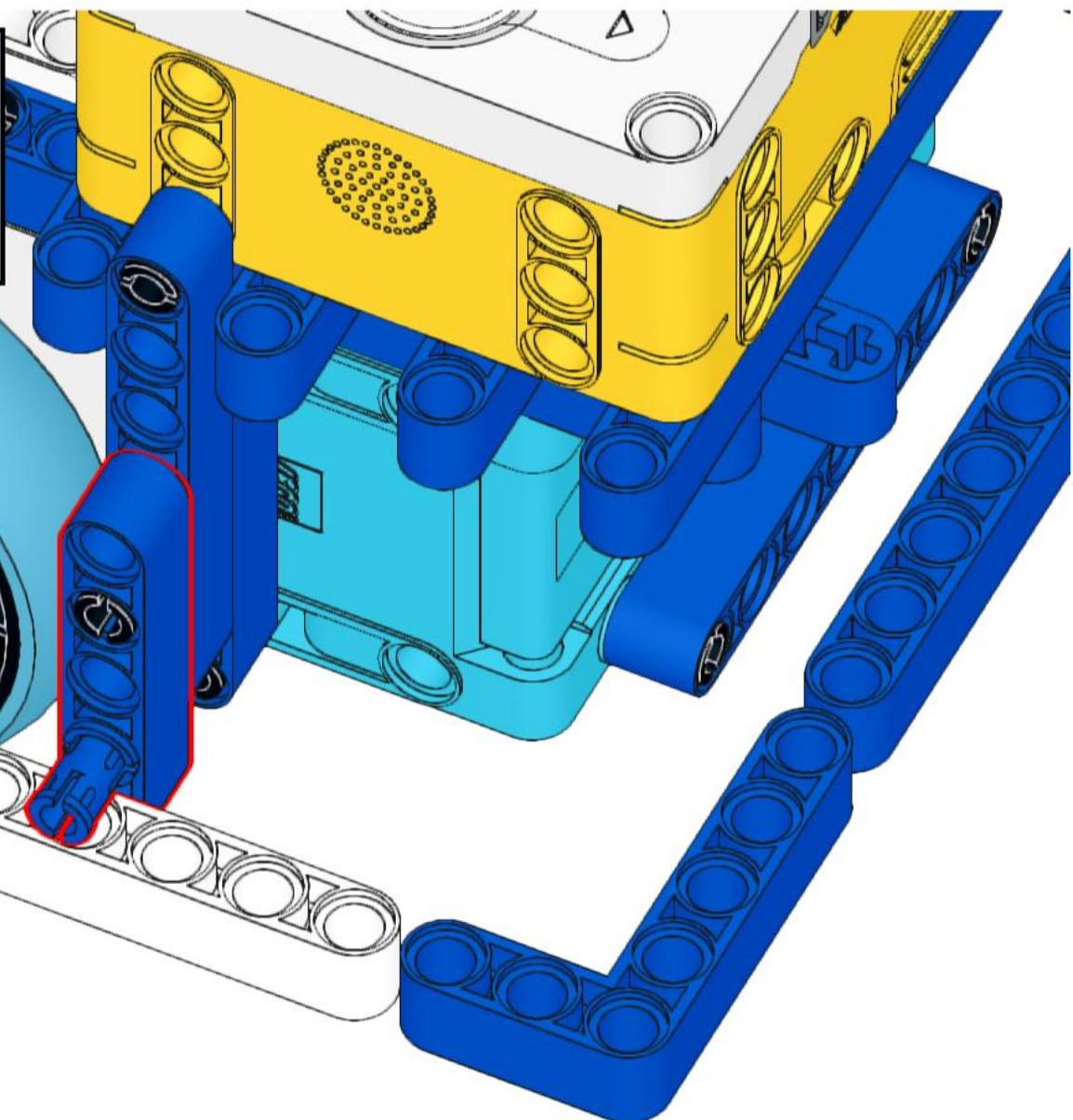
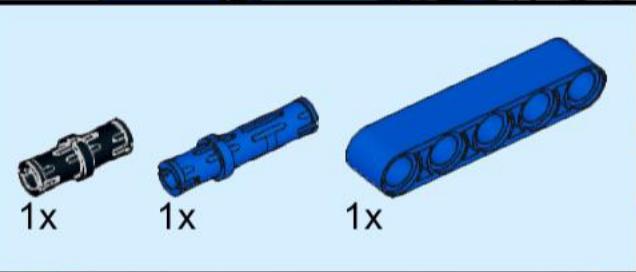
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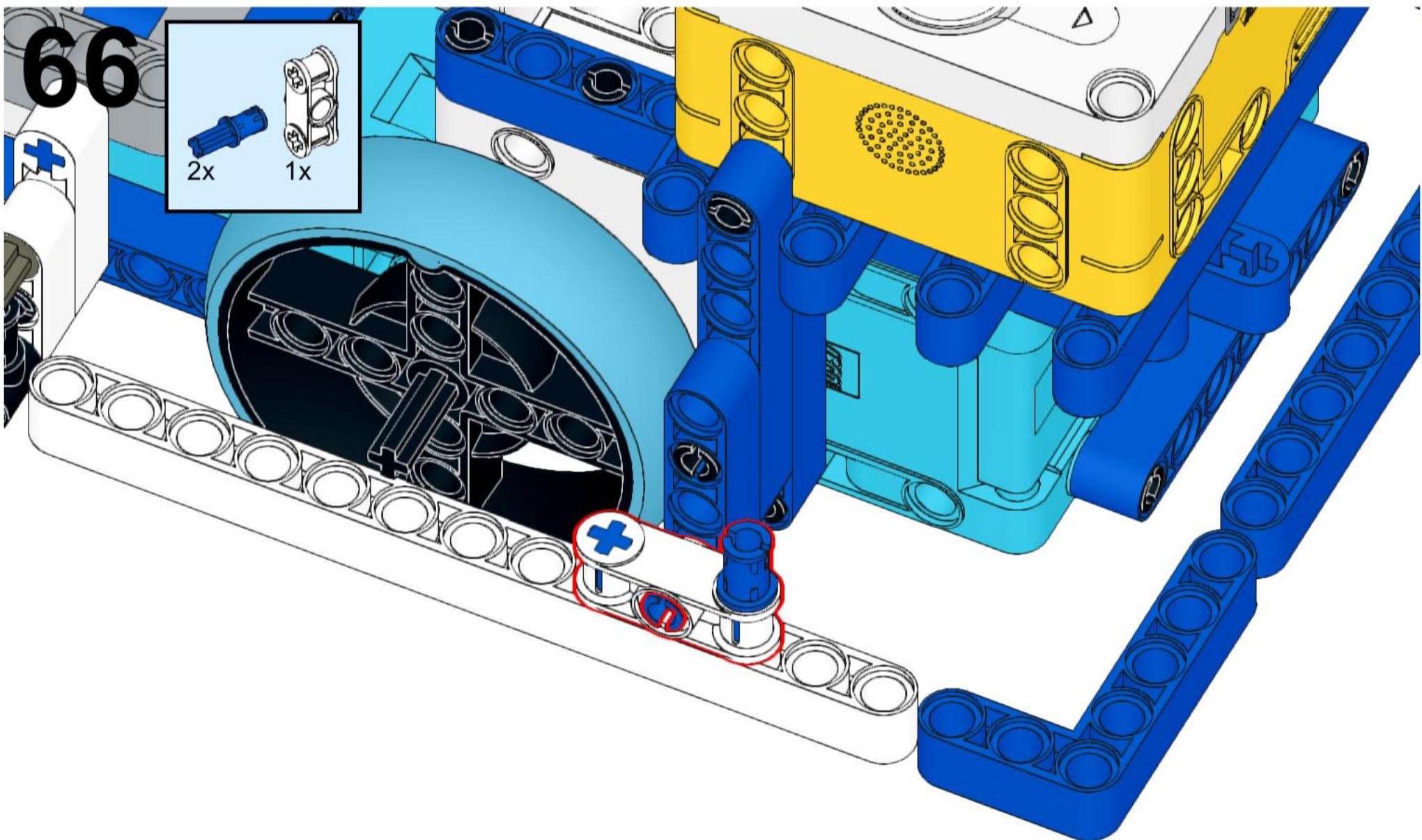
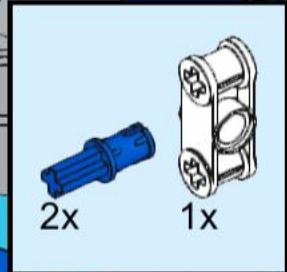
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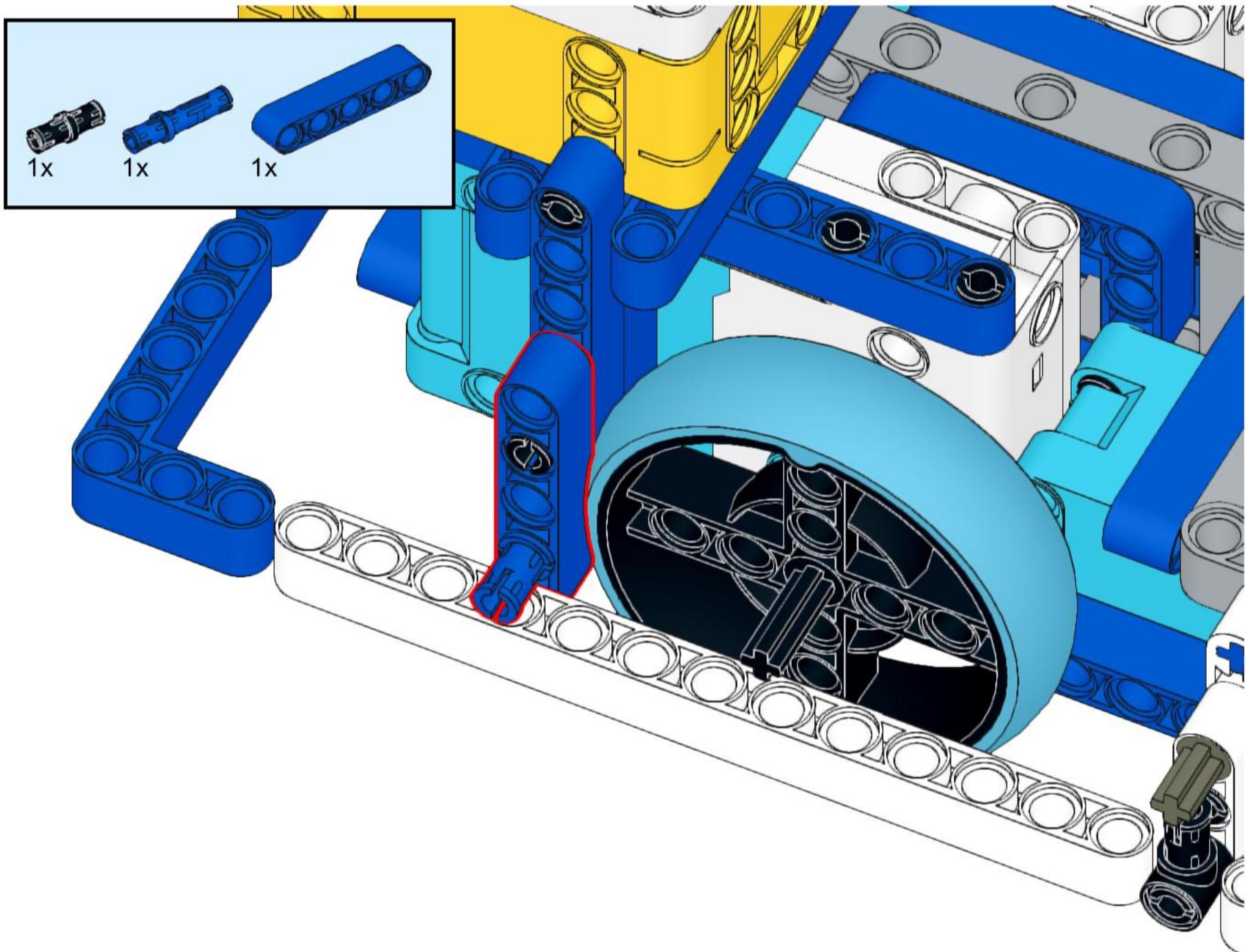
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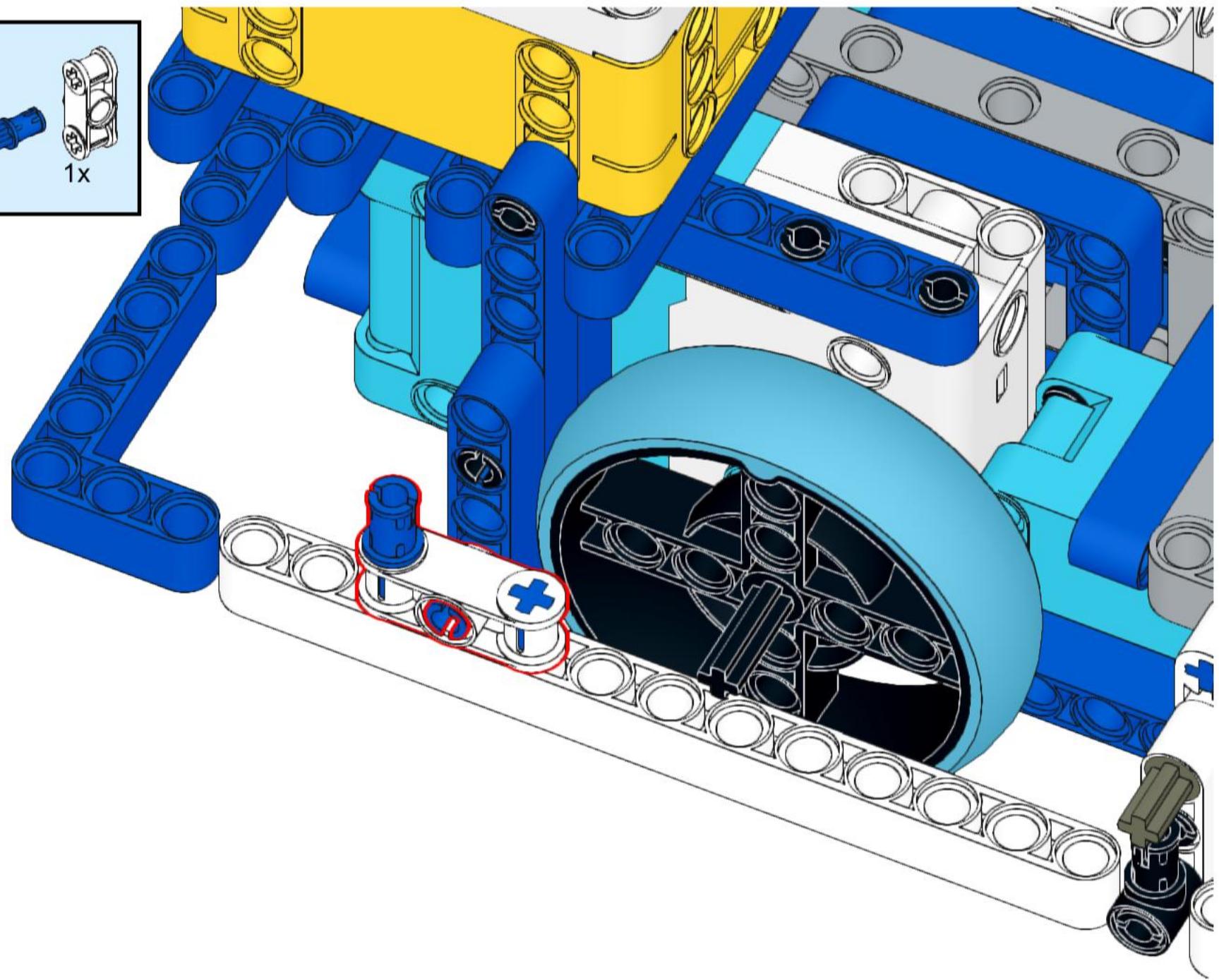
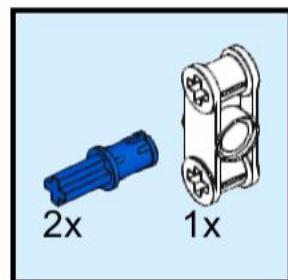
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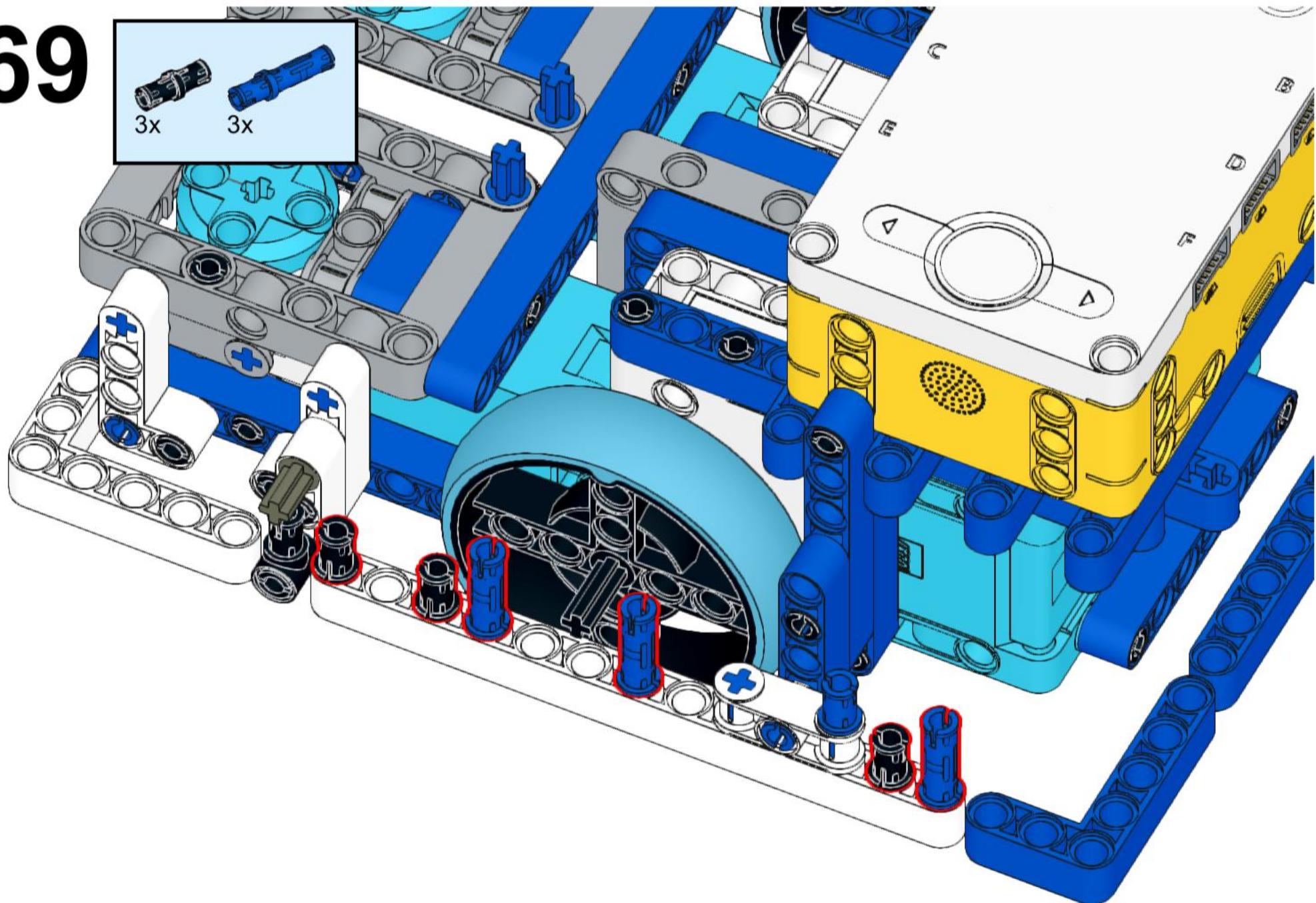
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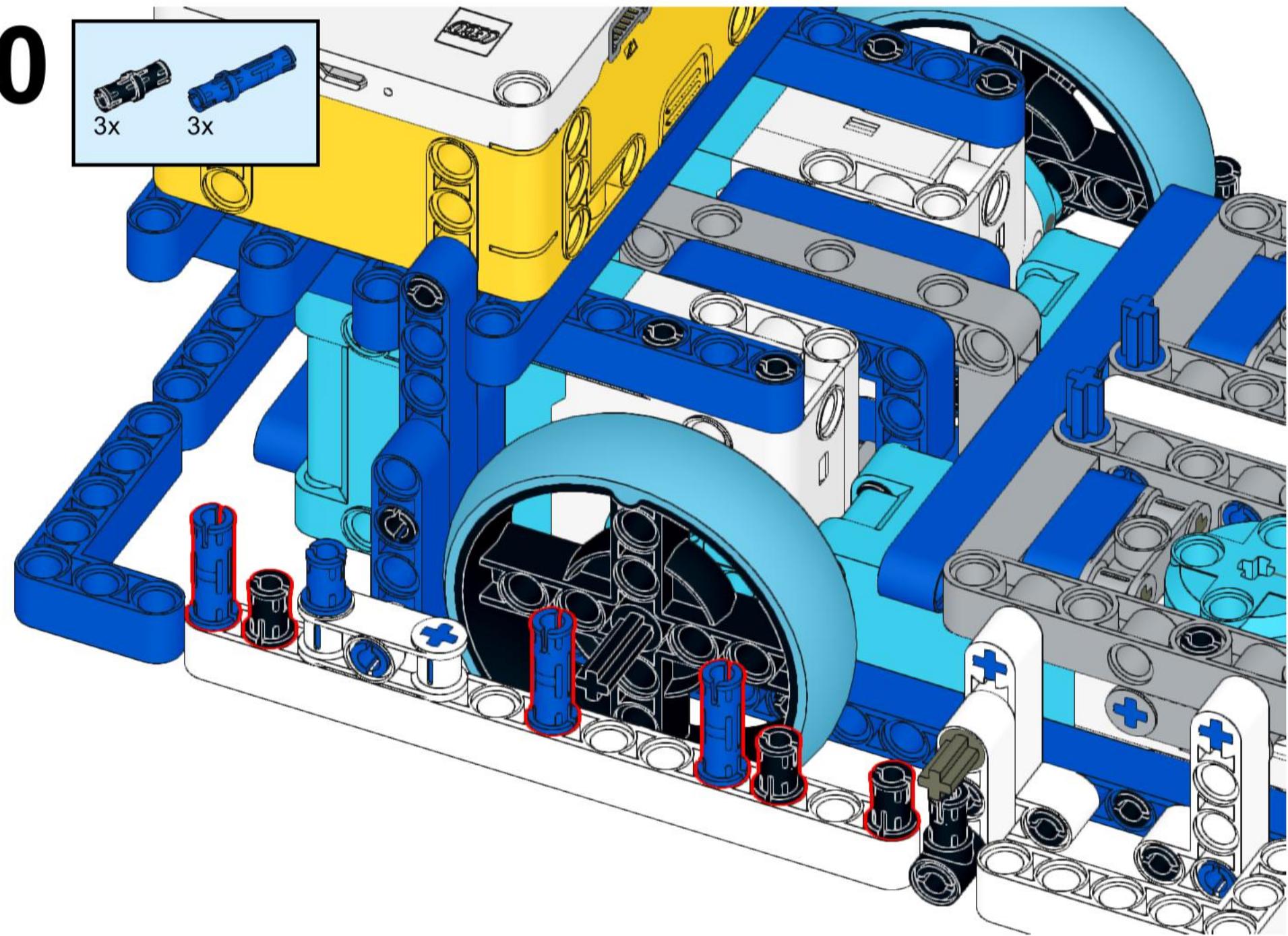
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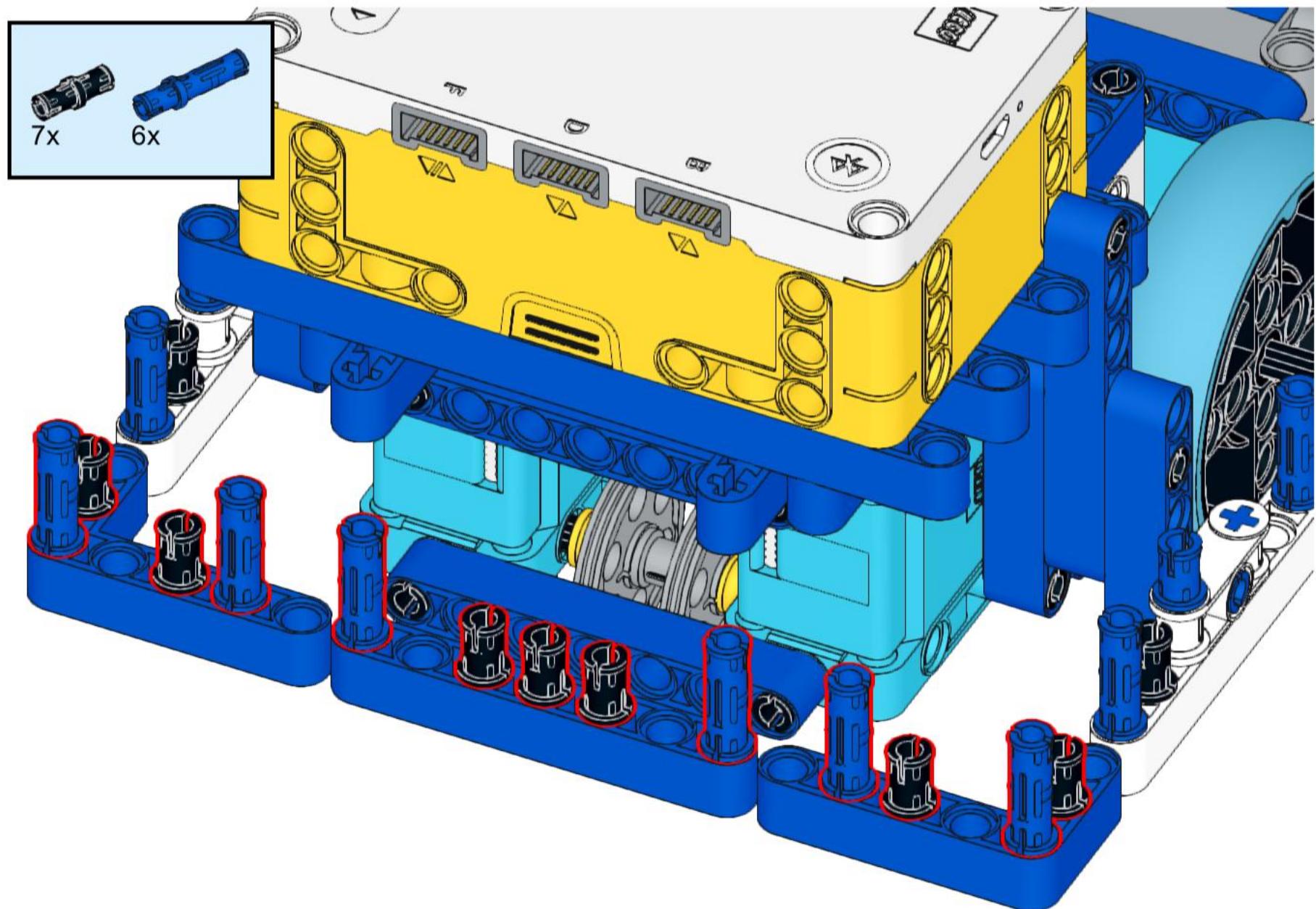
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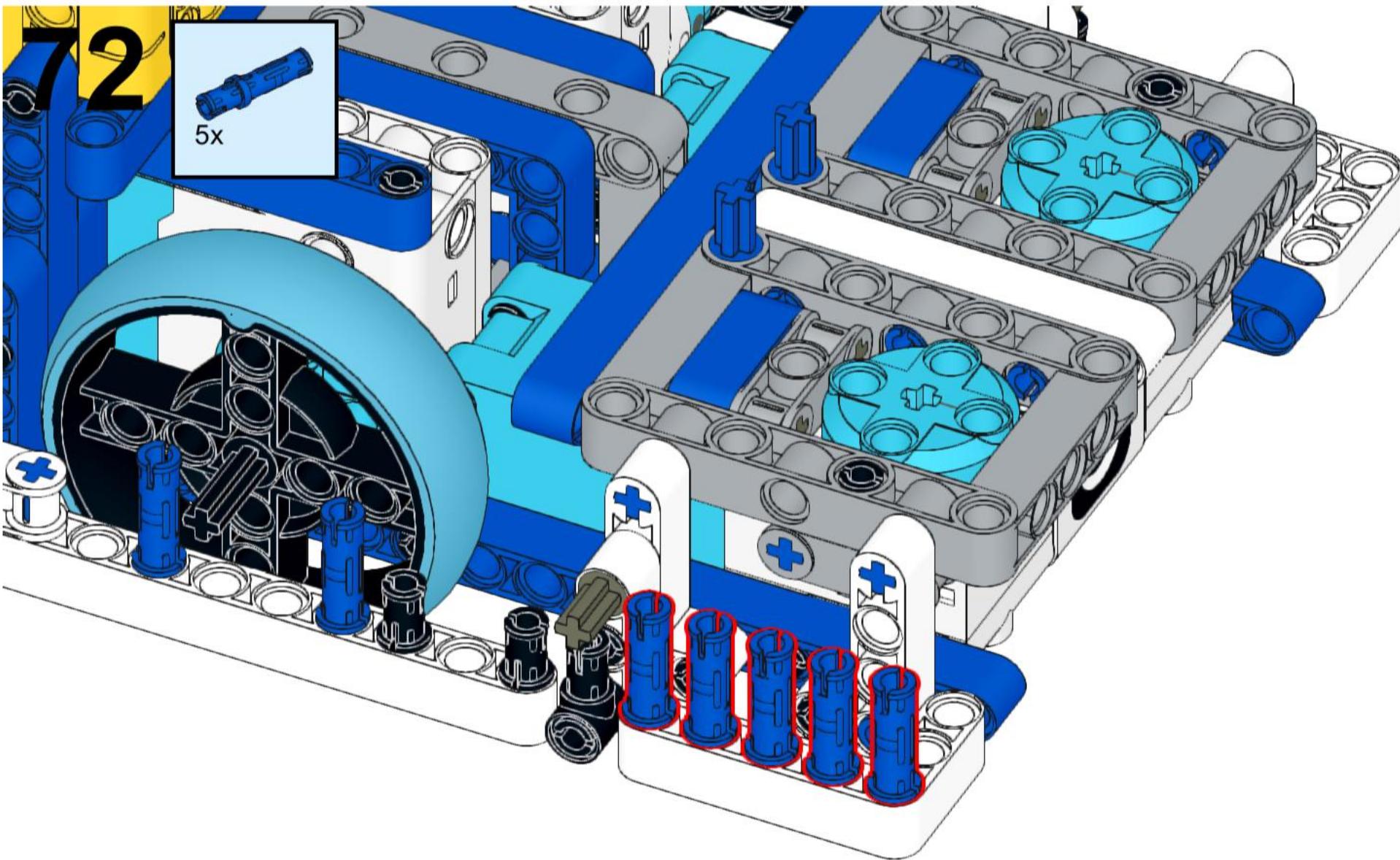


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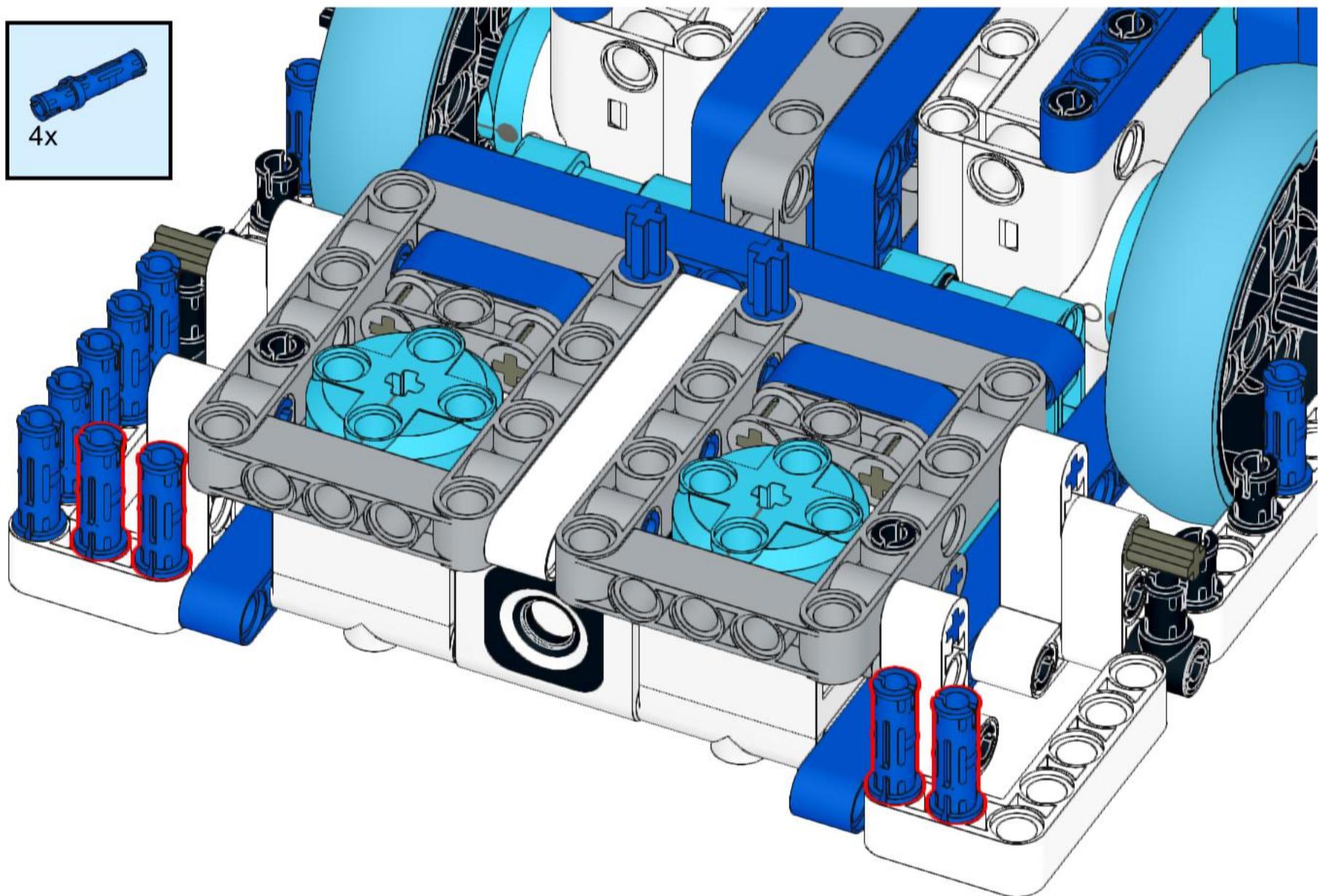
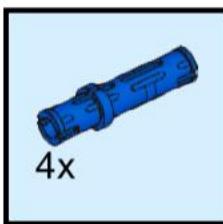


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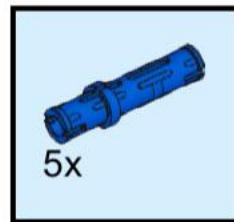




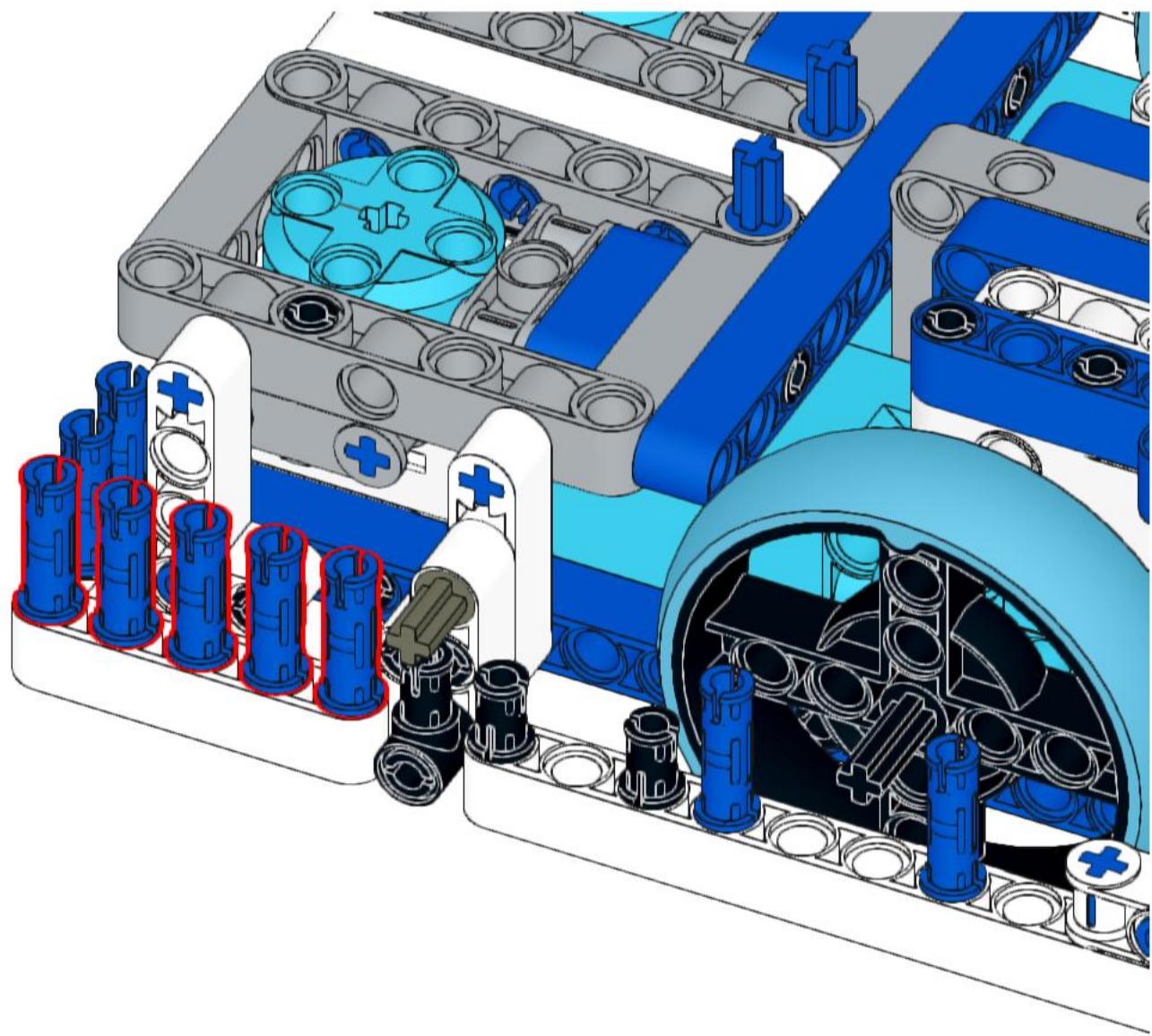
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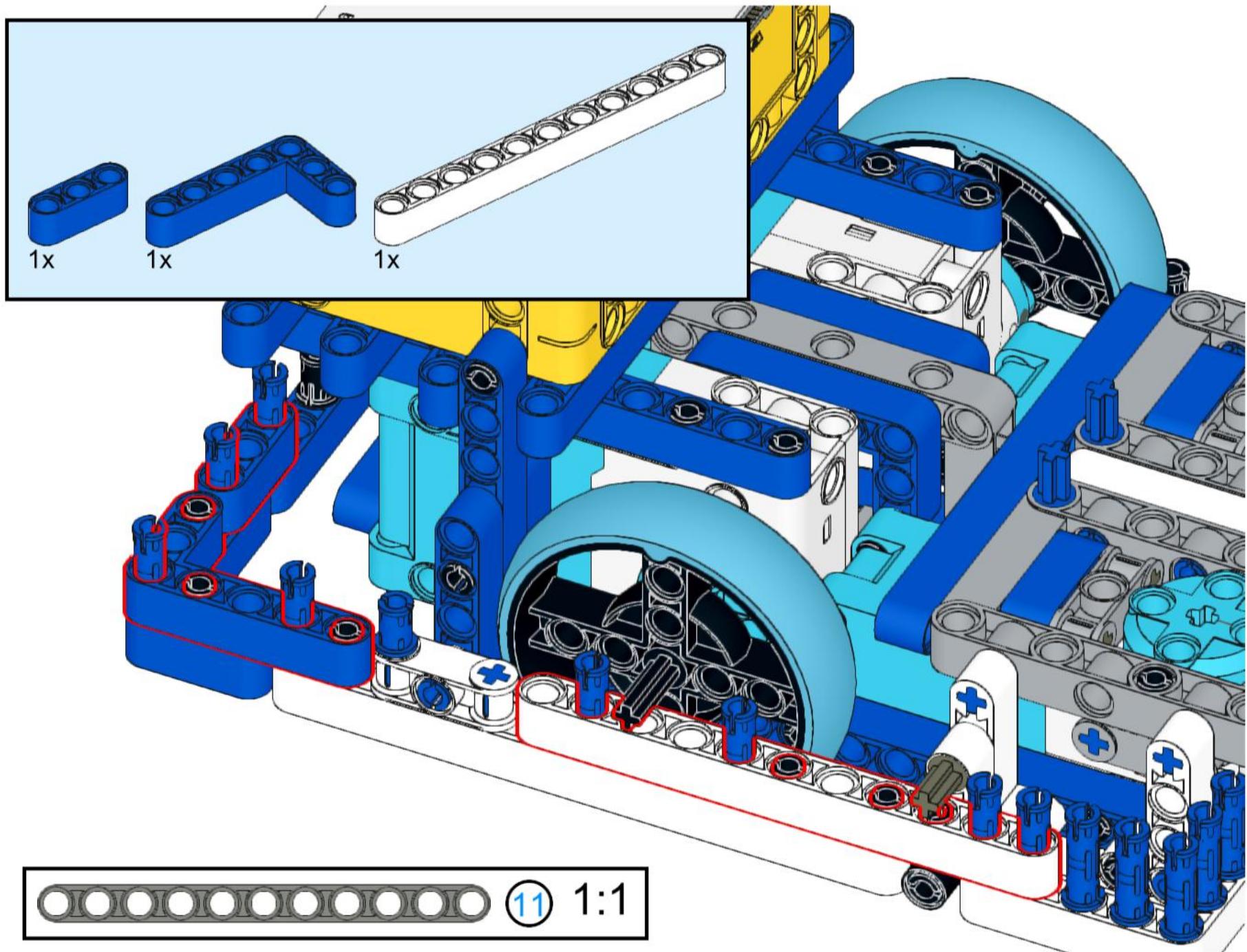
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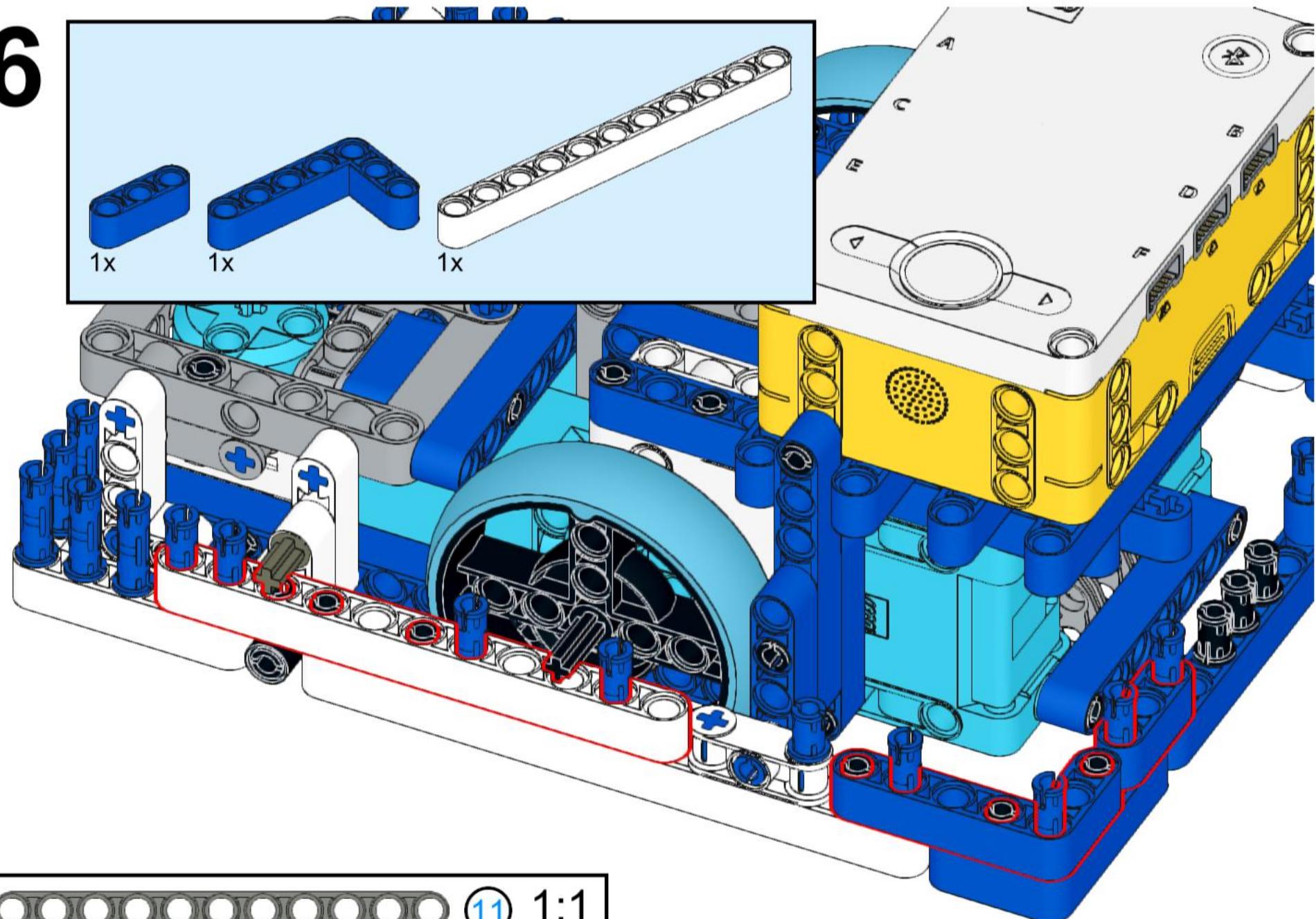
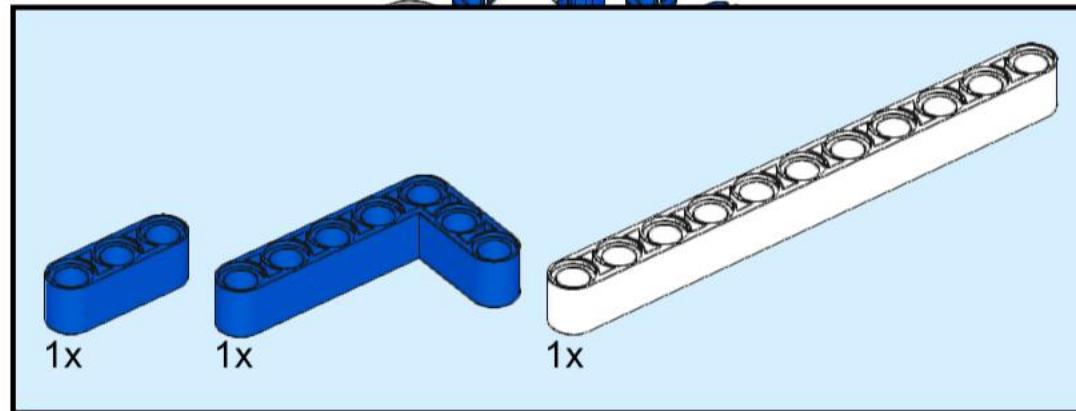
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75

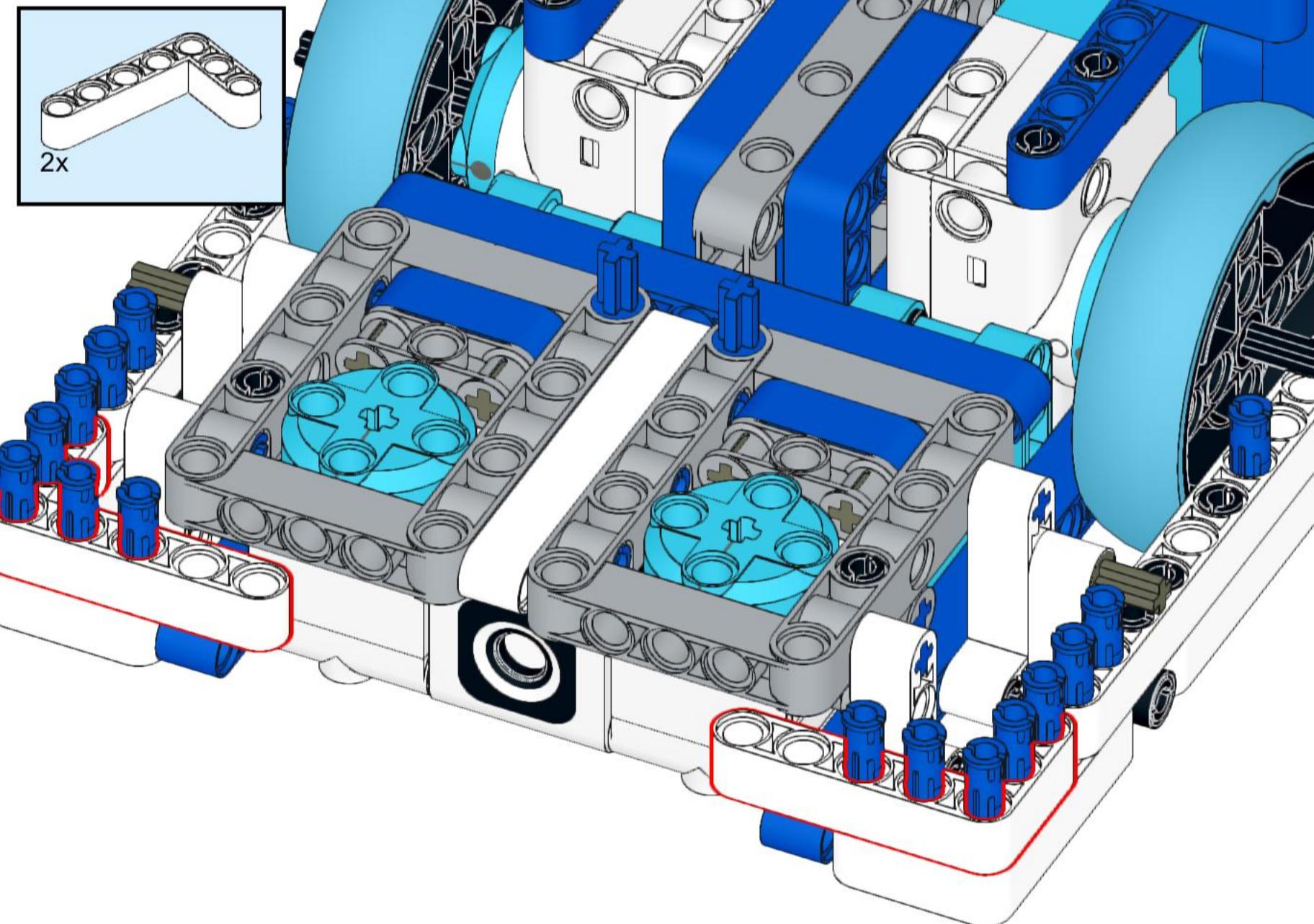


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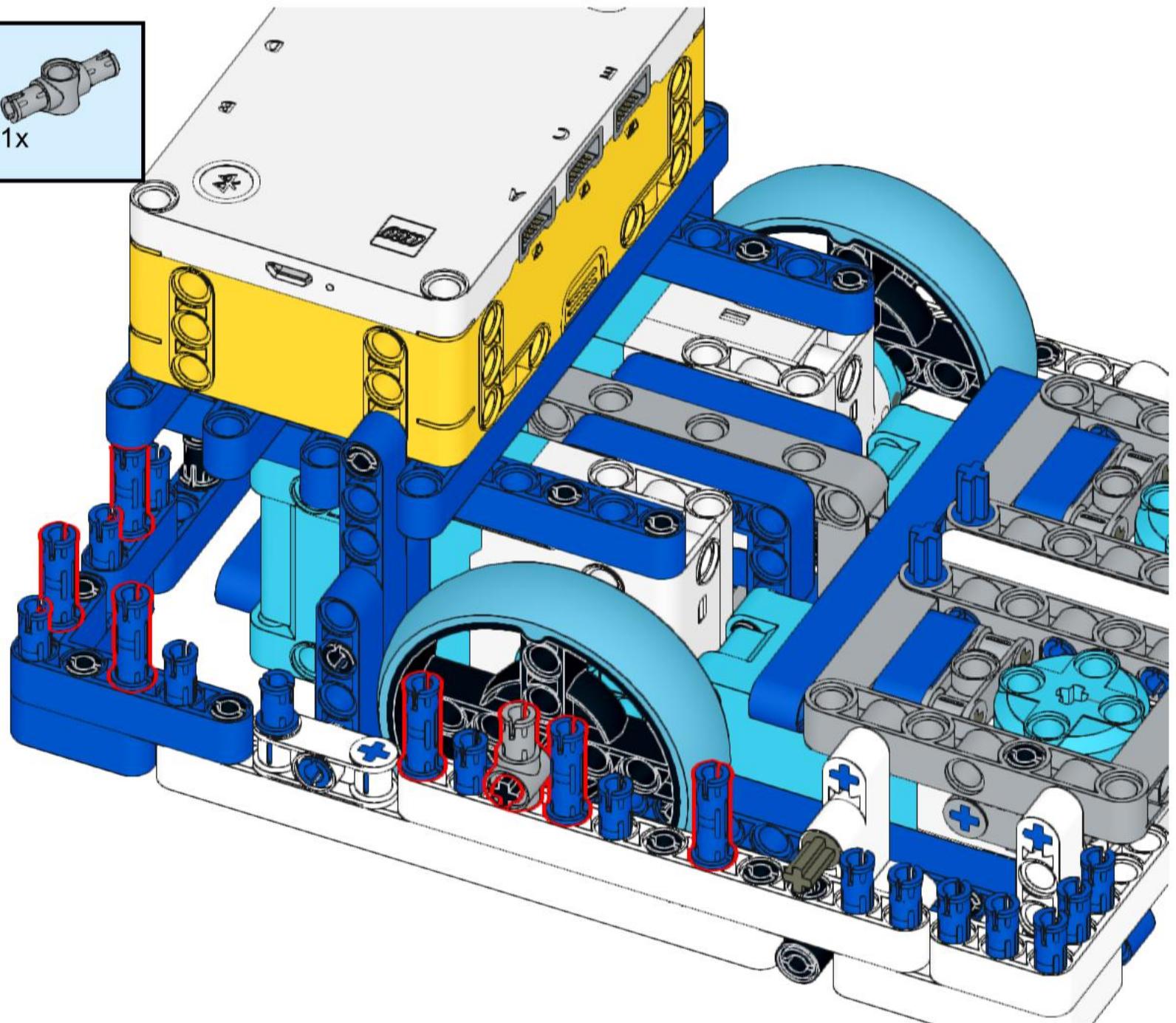
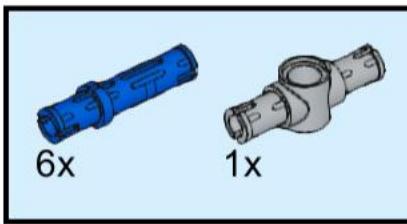


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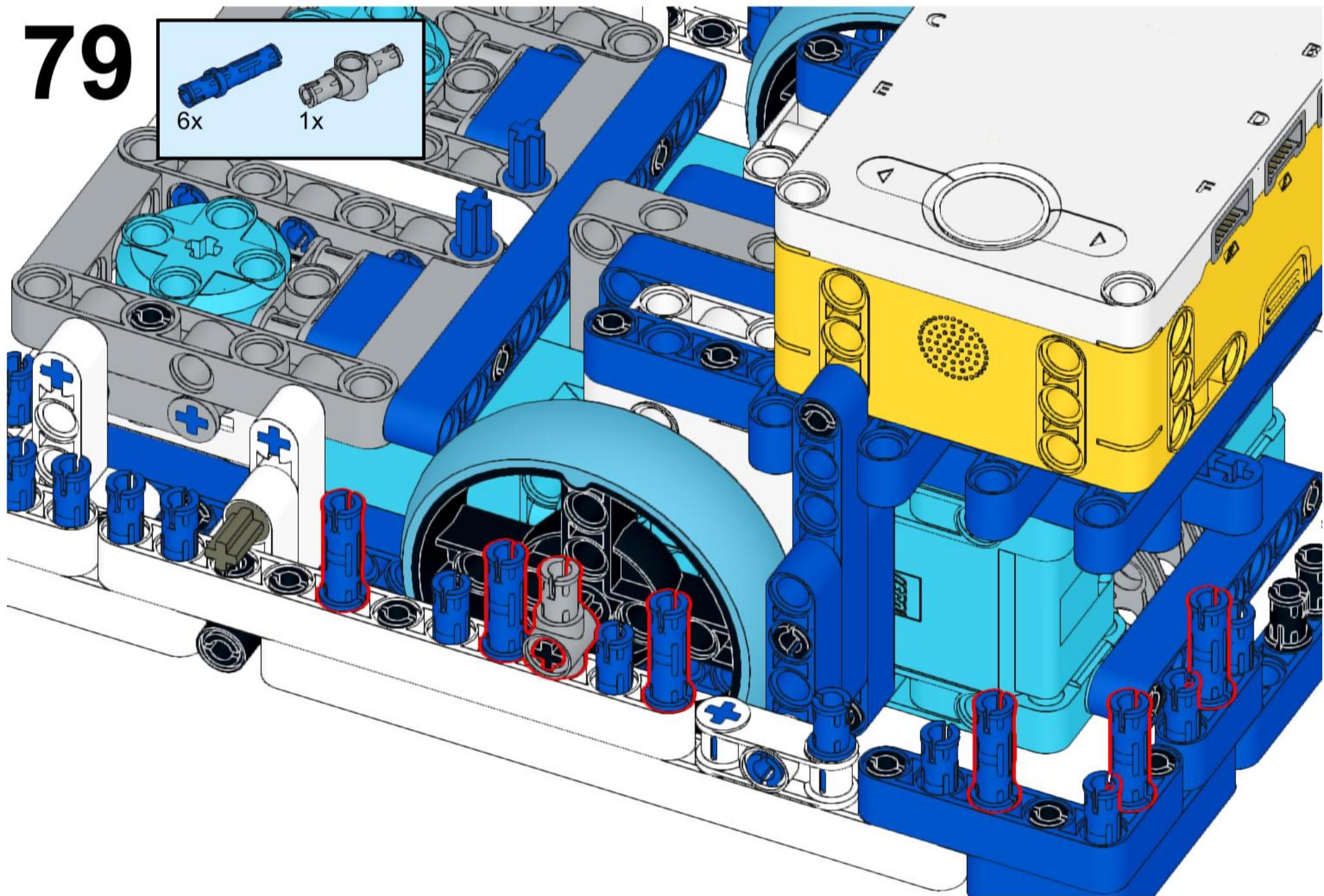
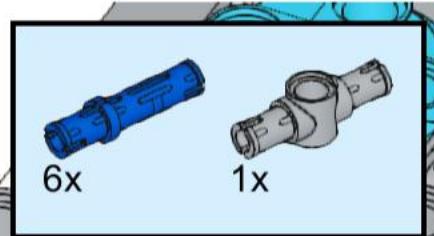
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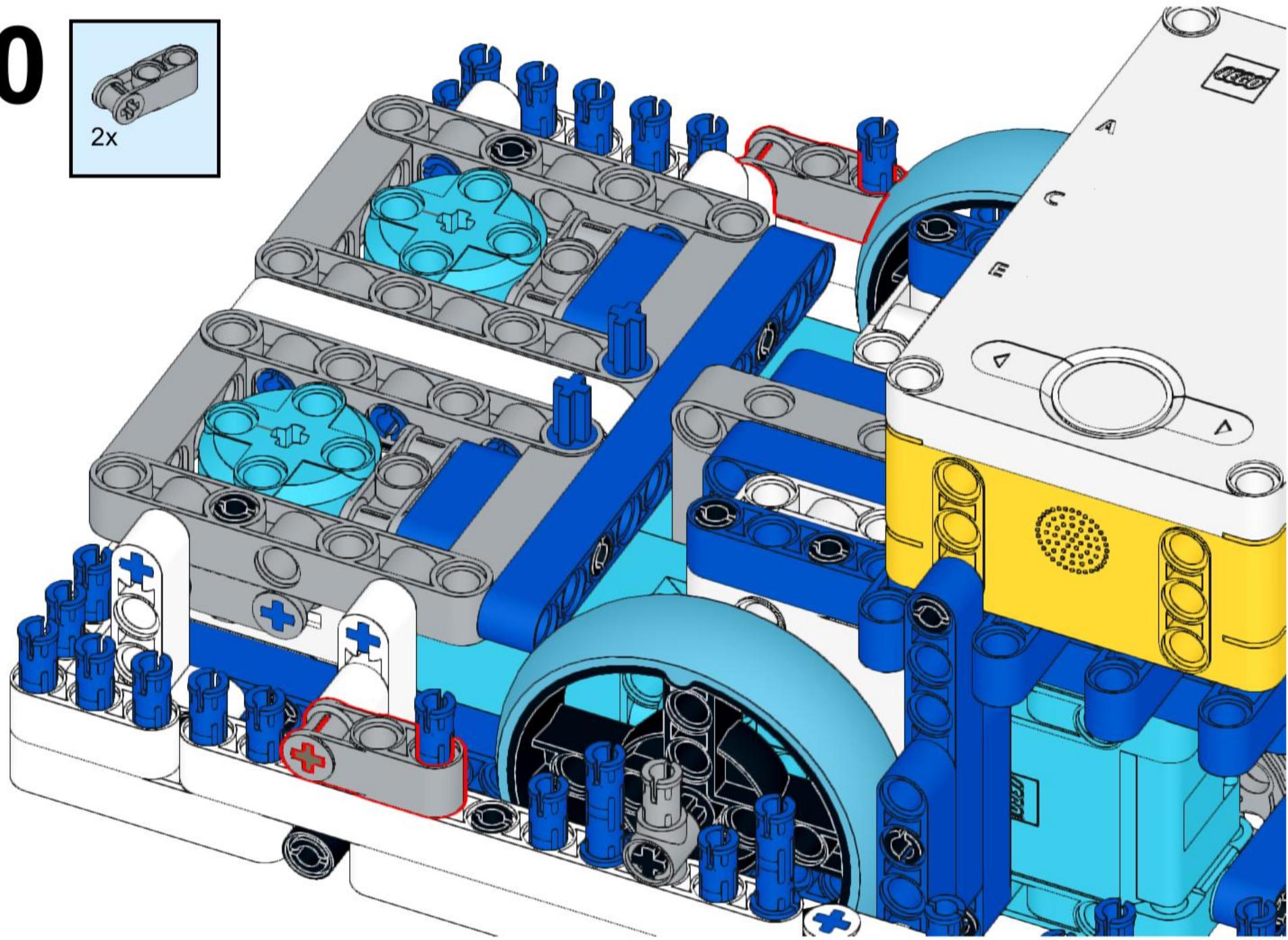
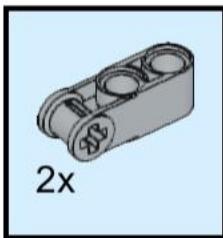
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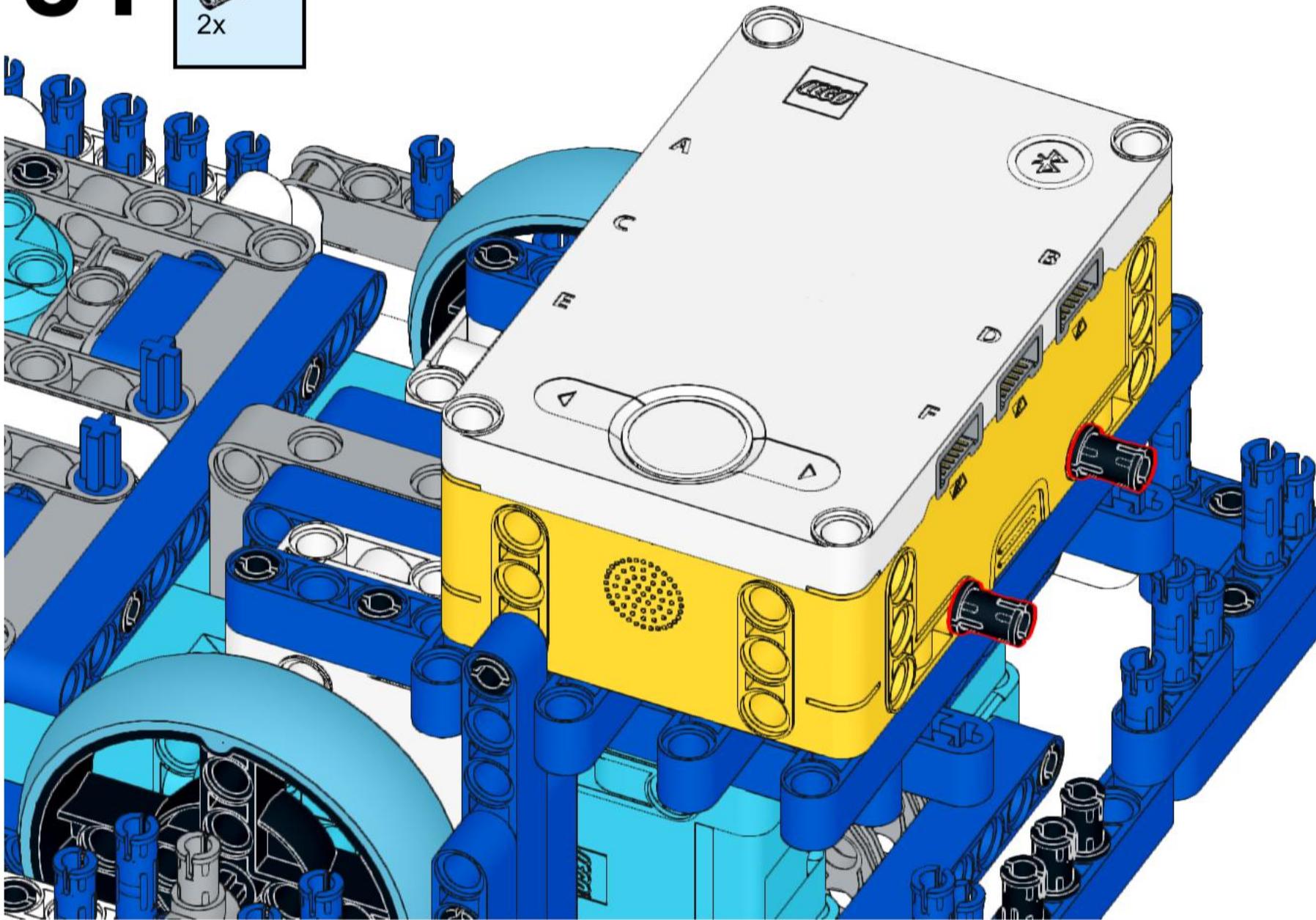
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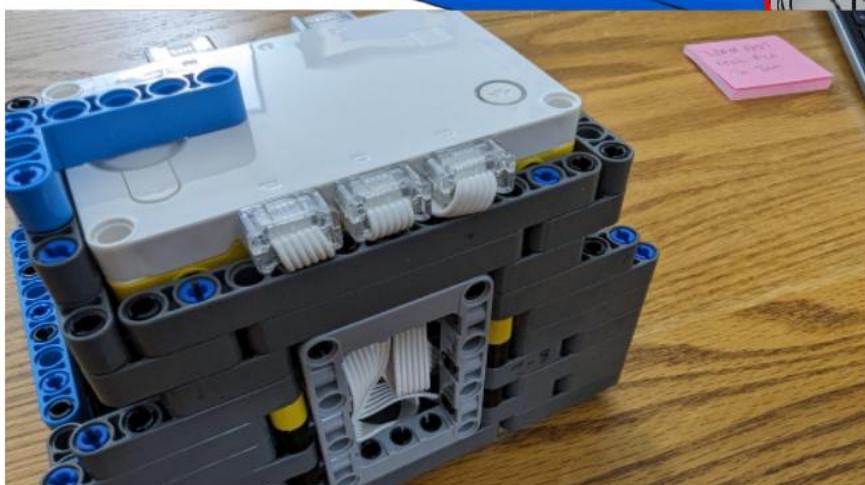
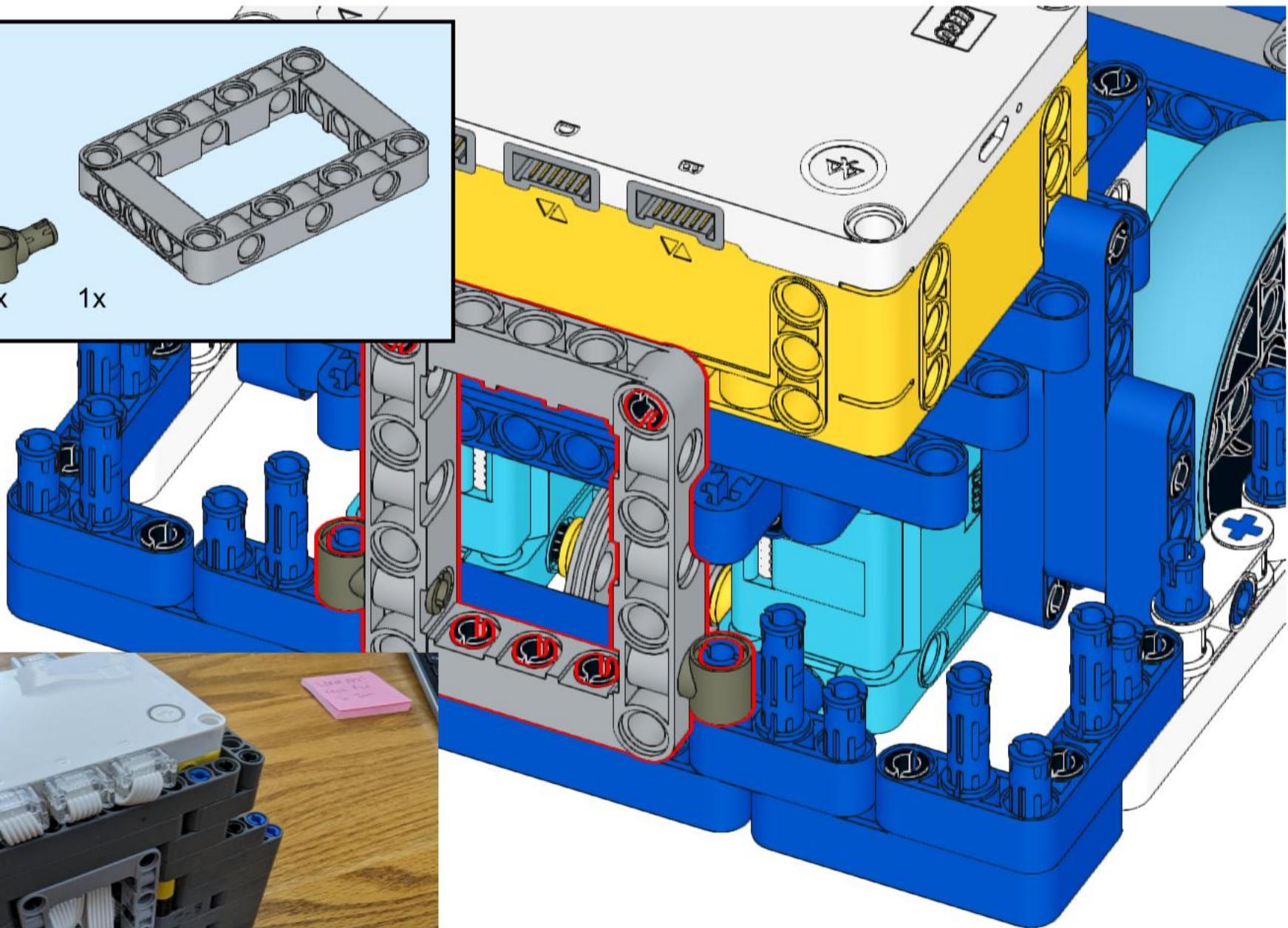
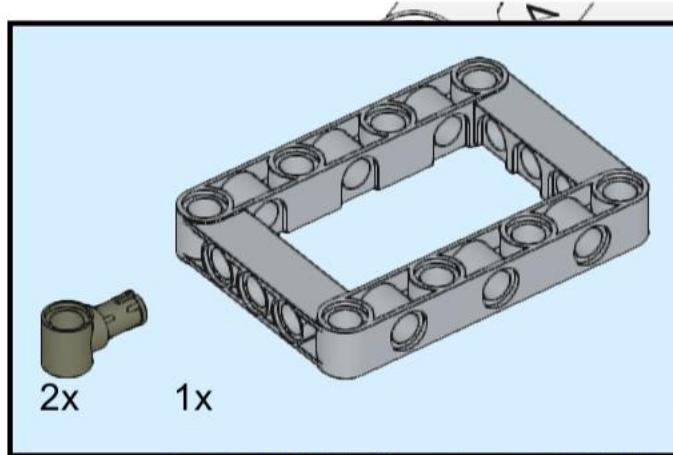
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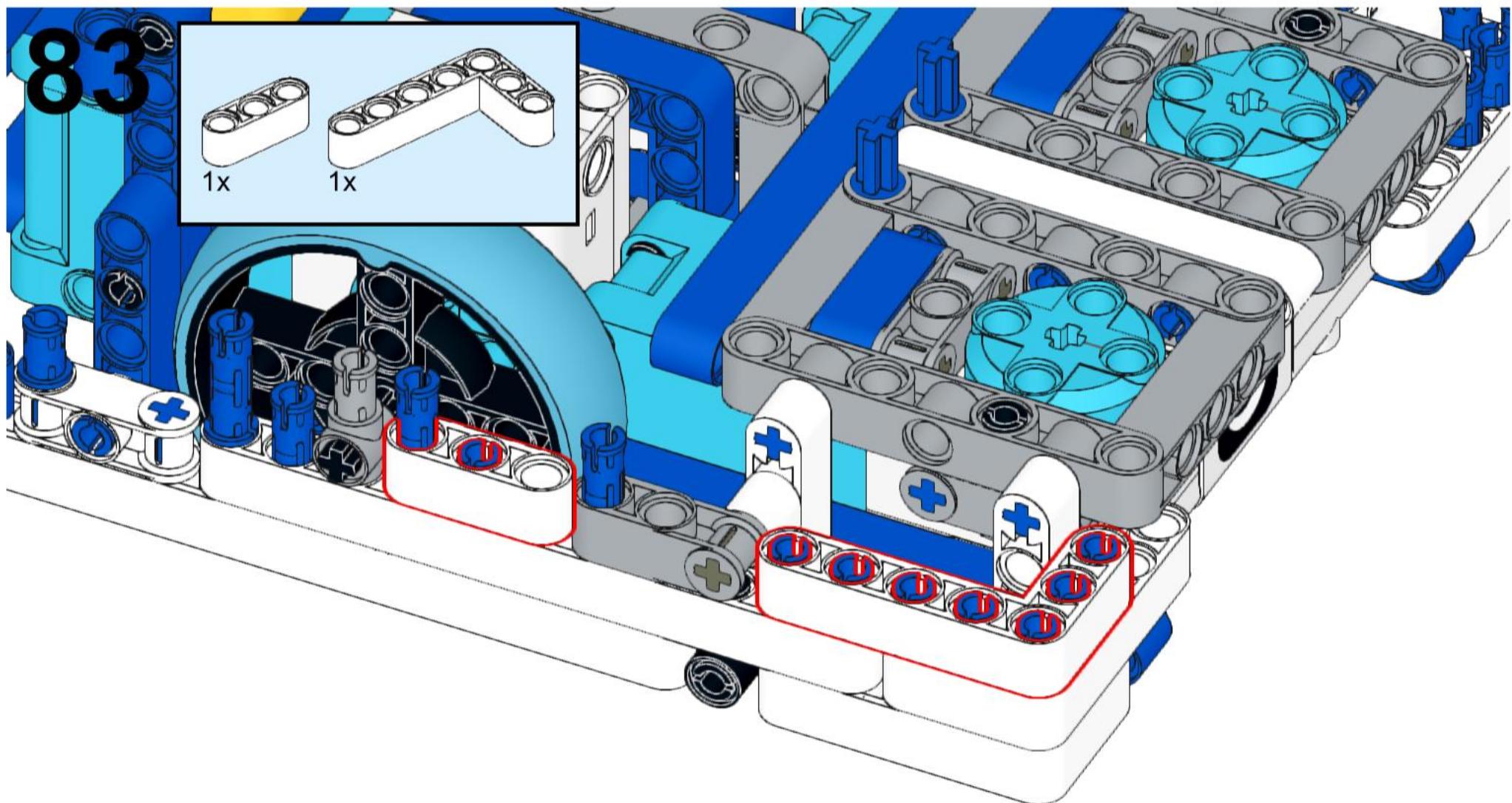
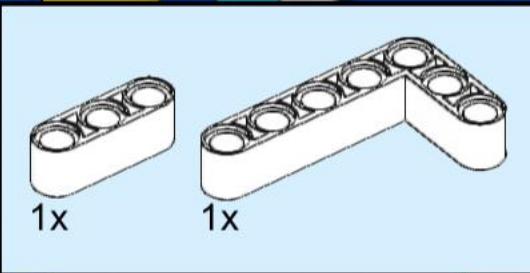
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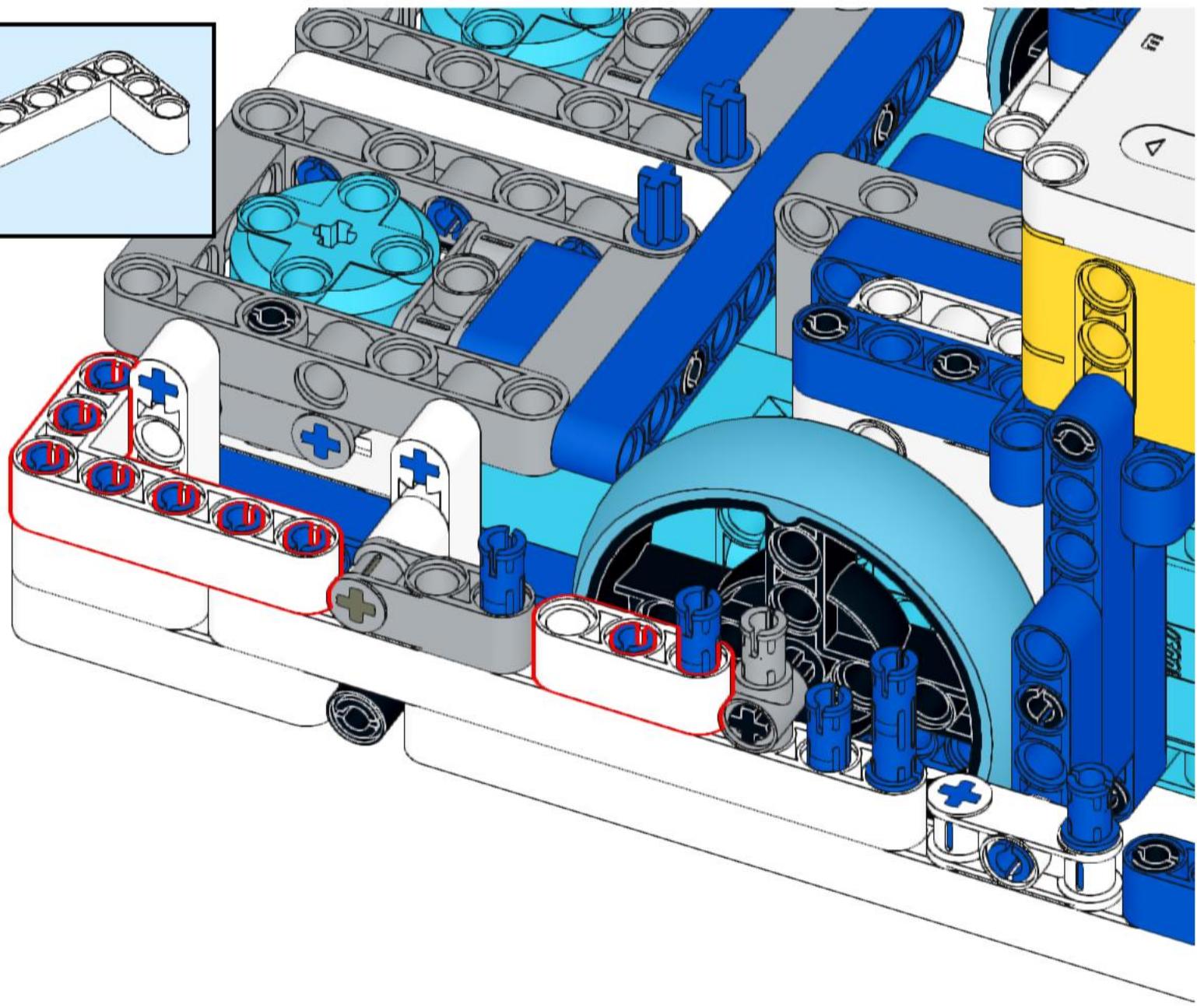
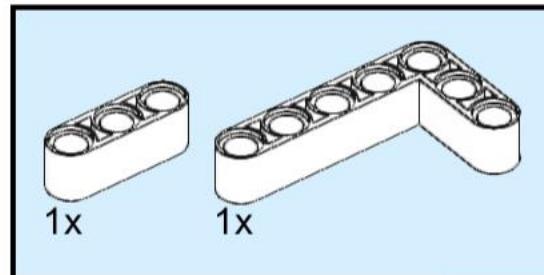
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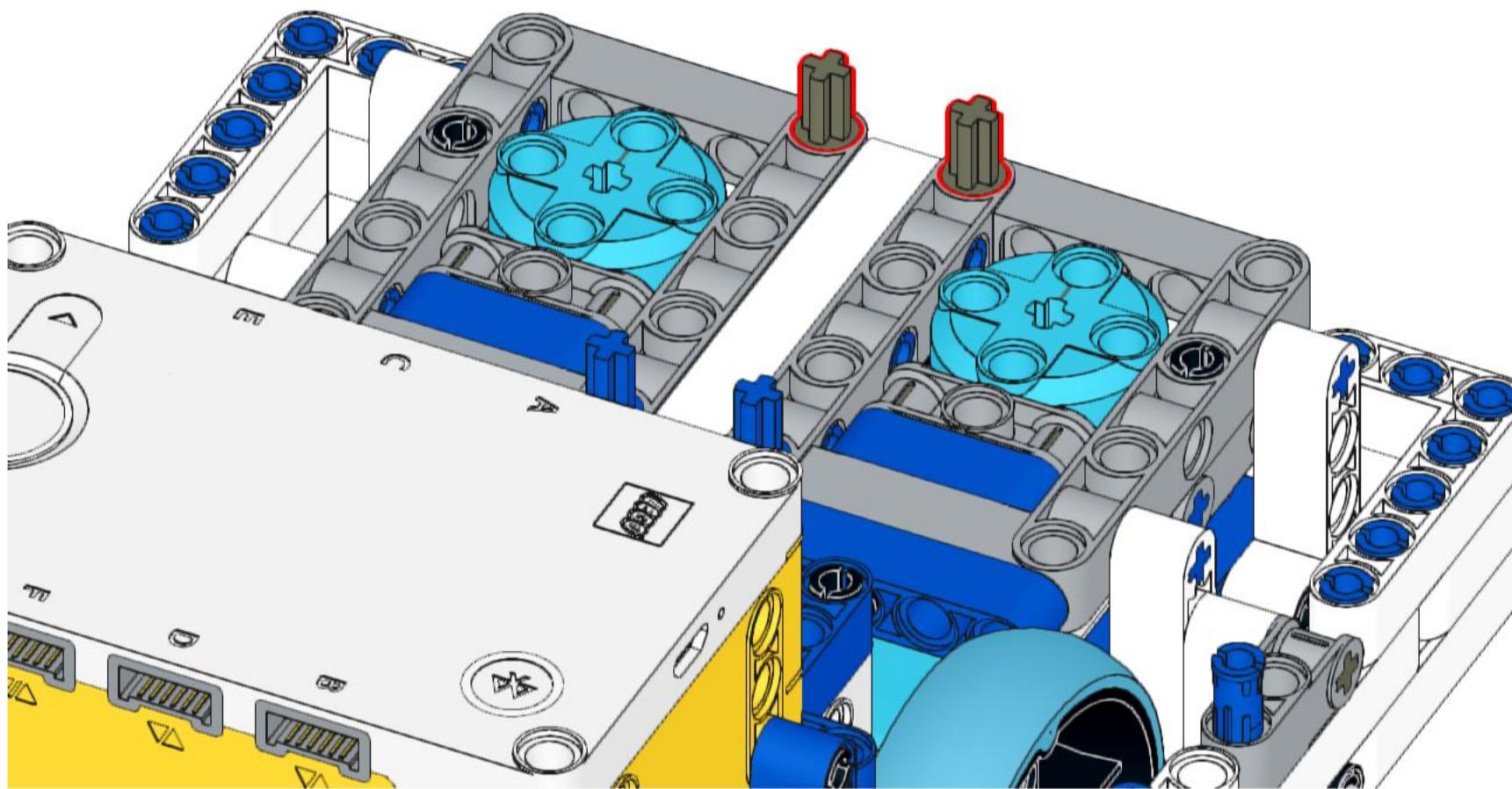
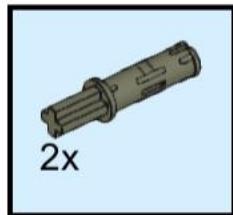
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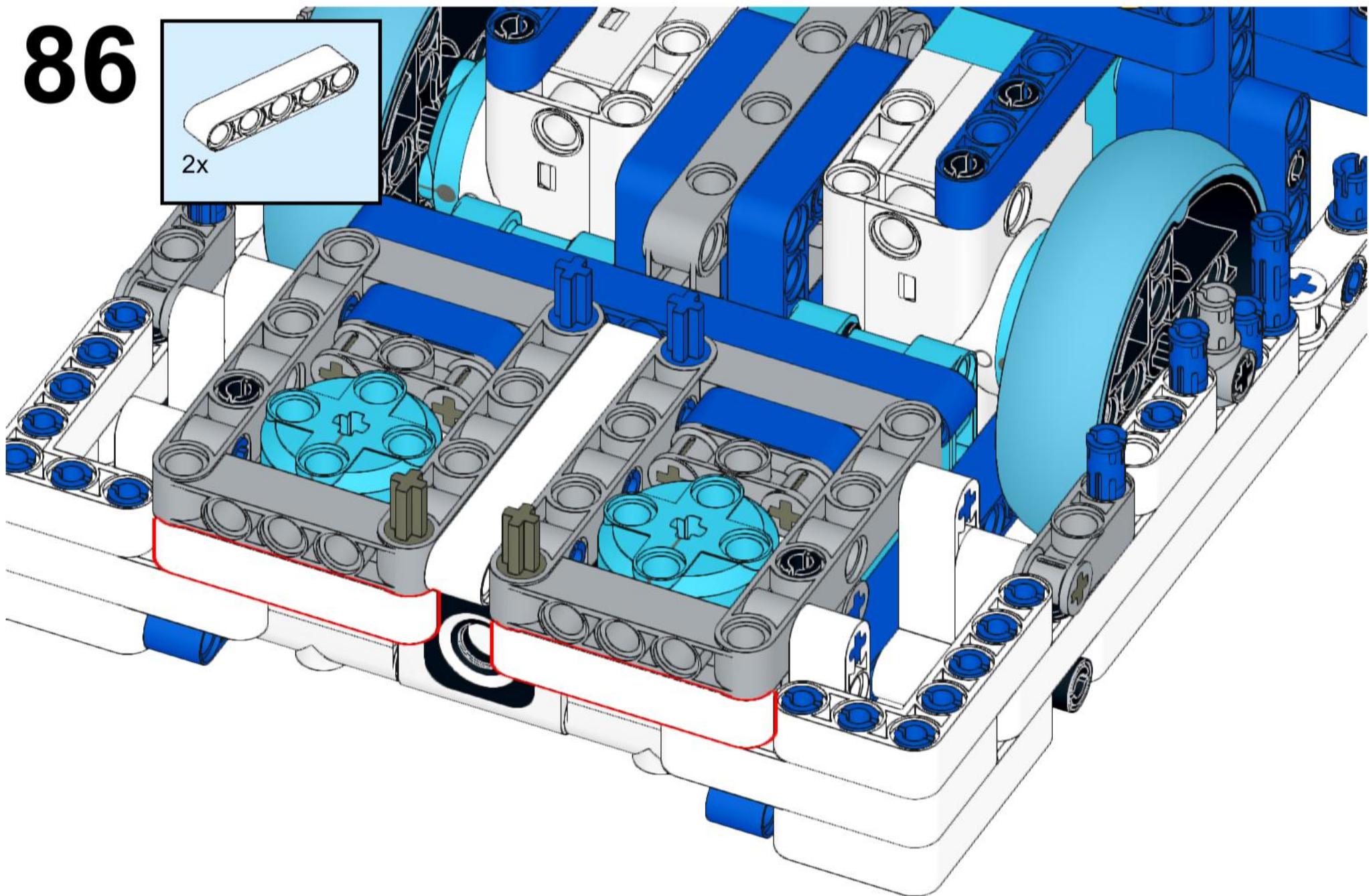
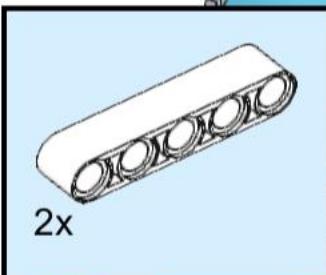
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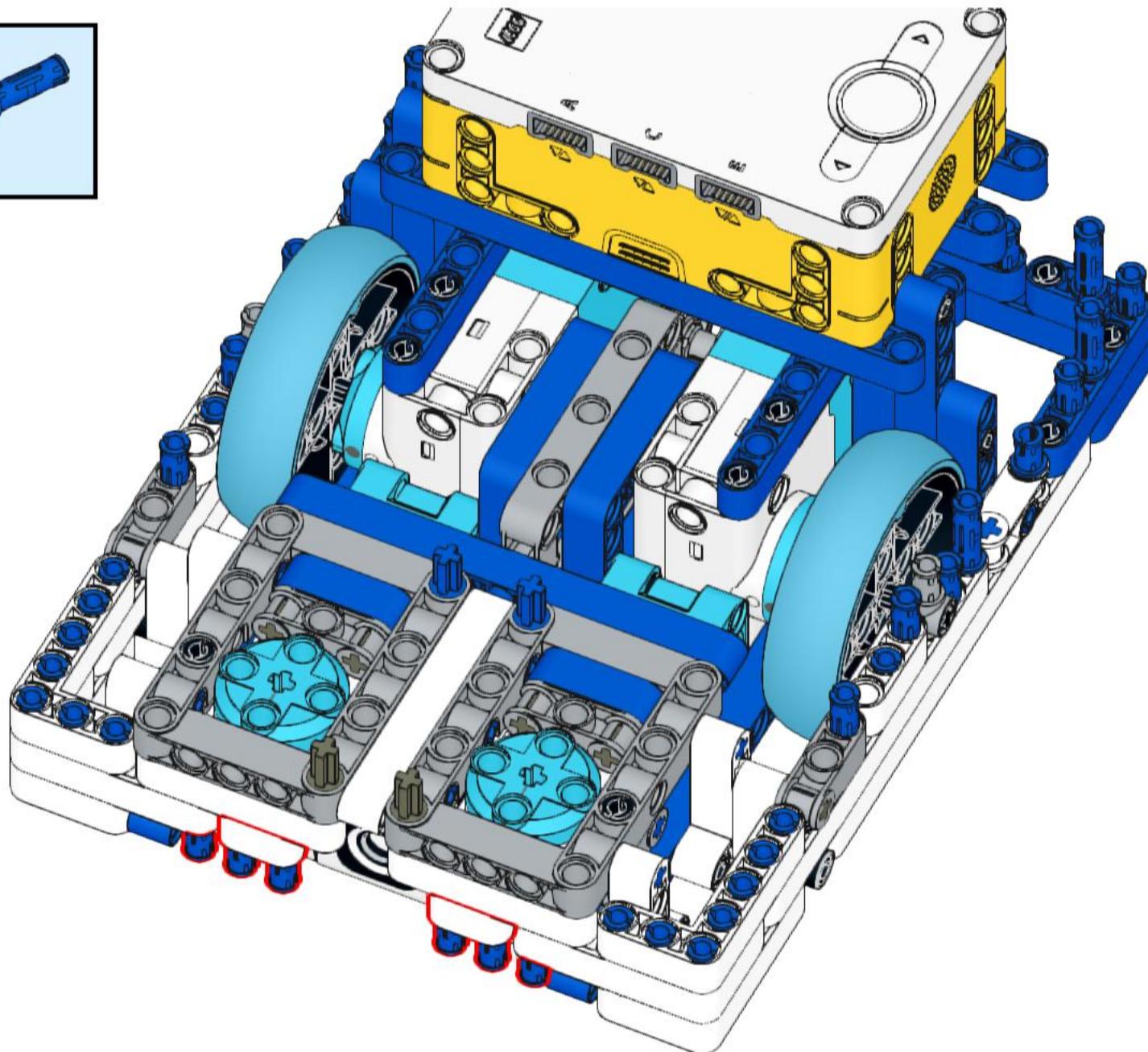
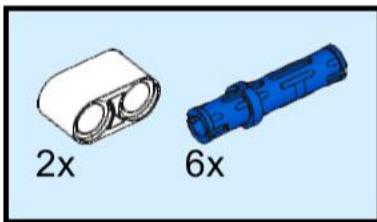
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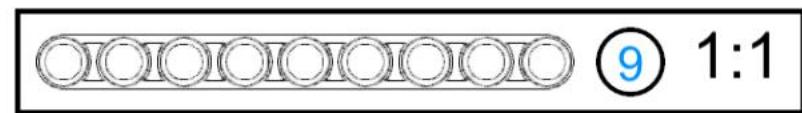
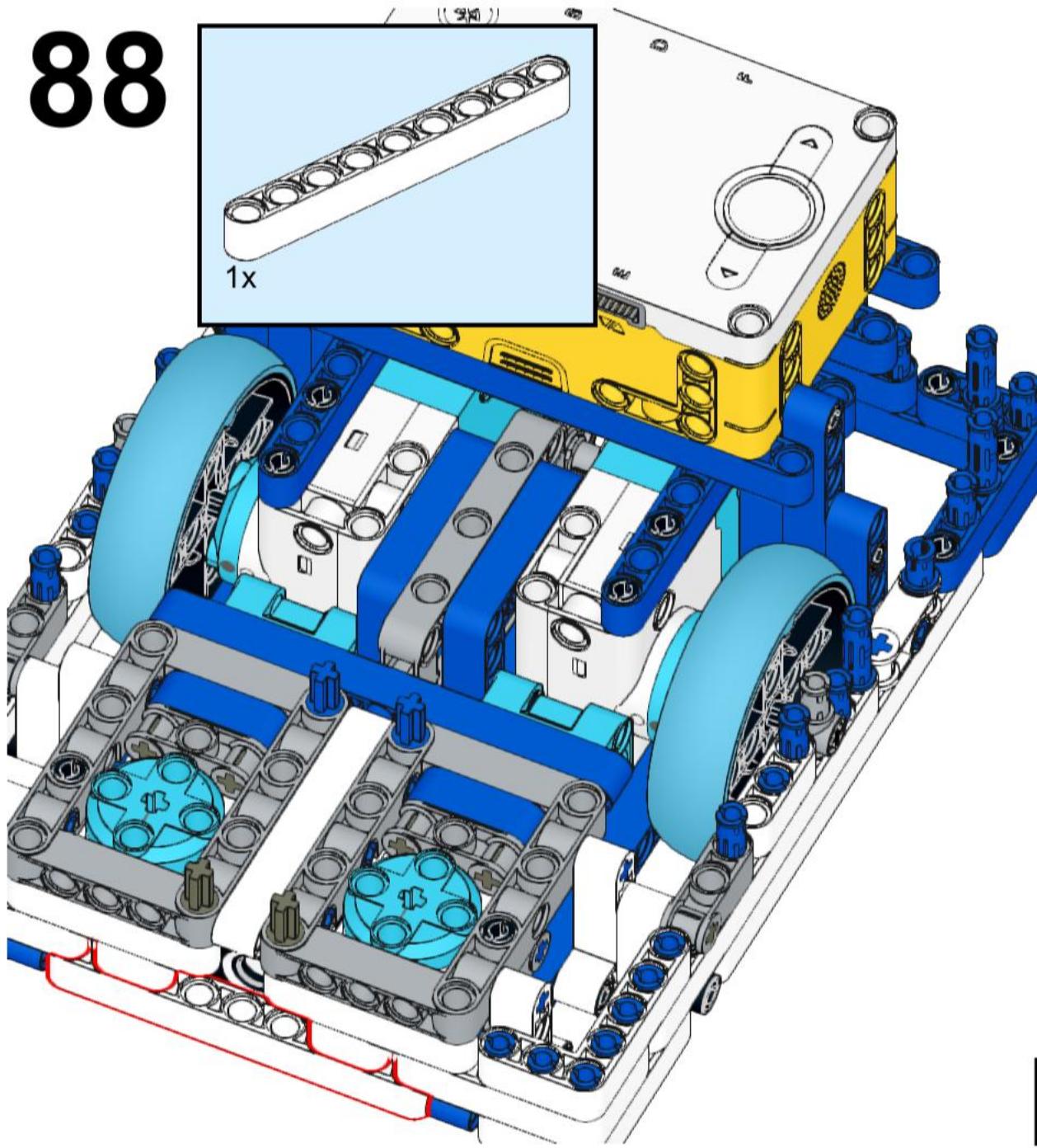
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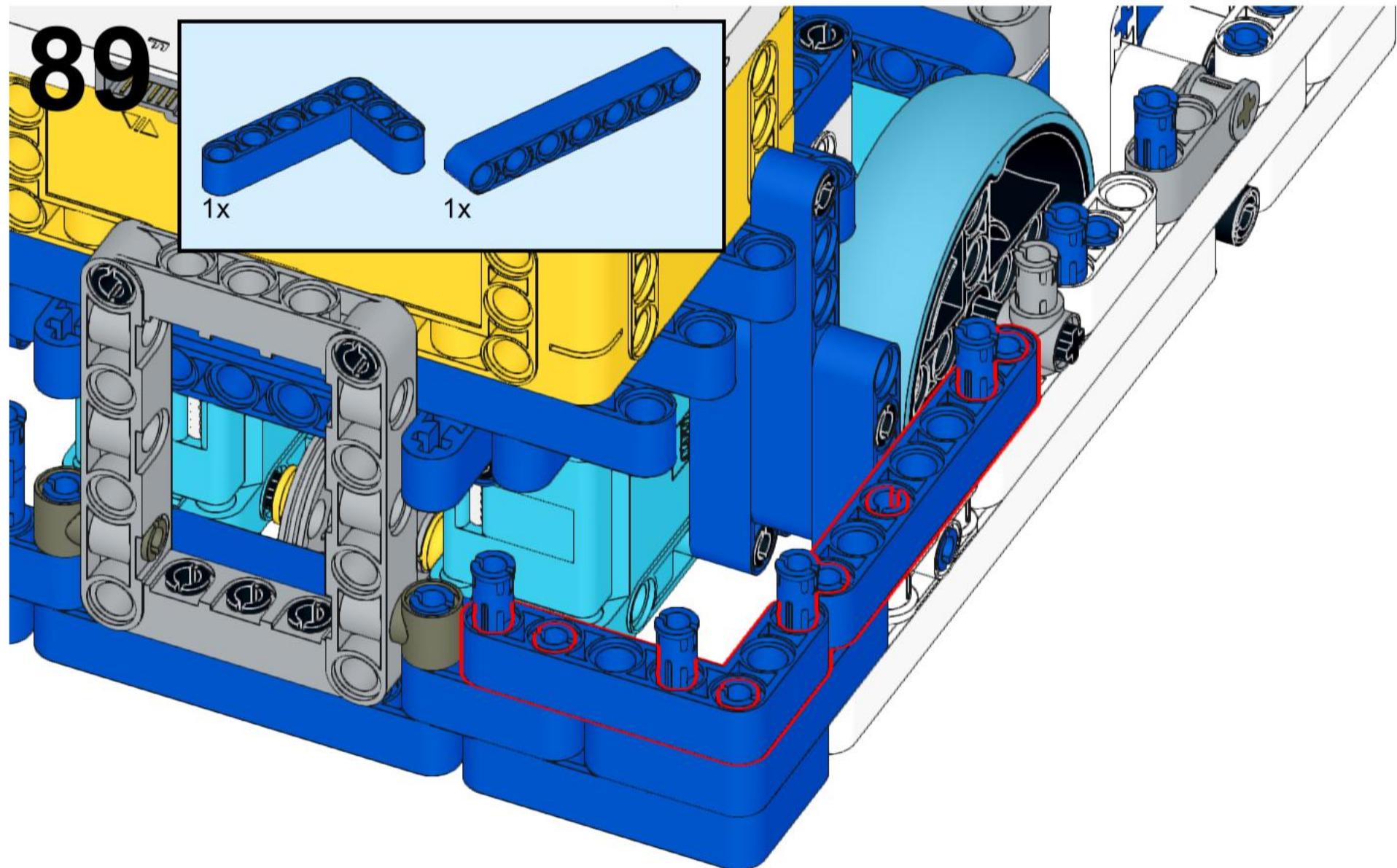
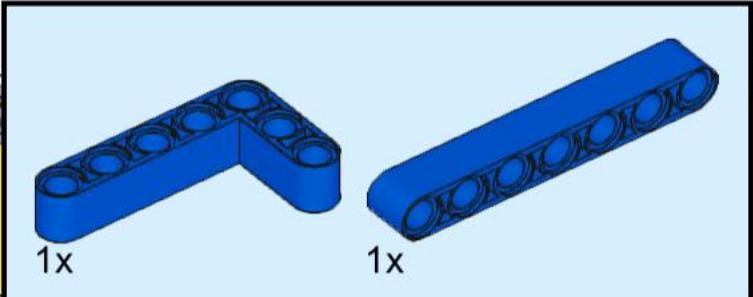
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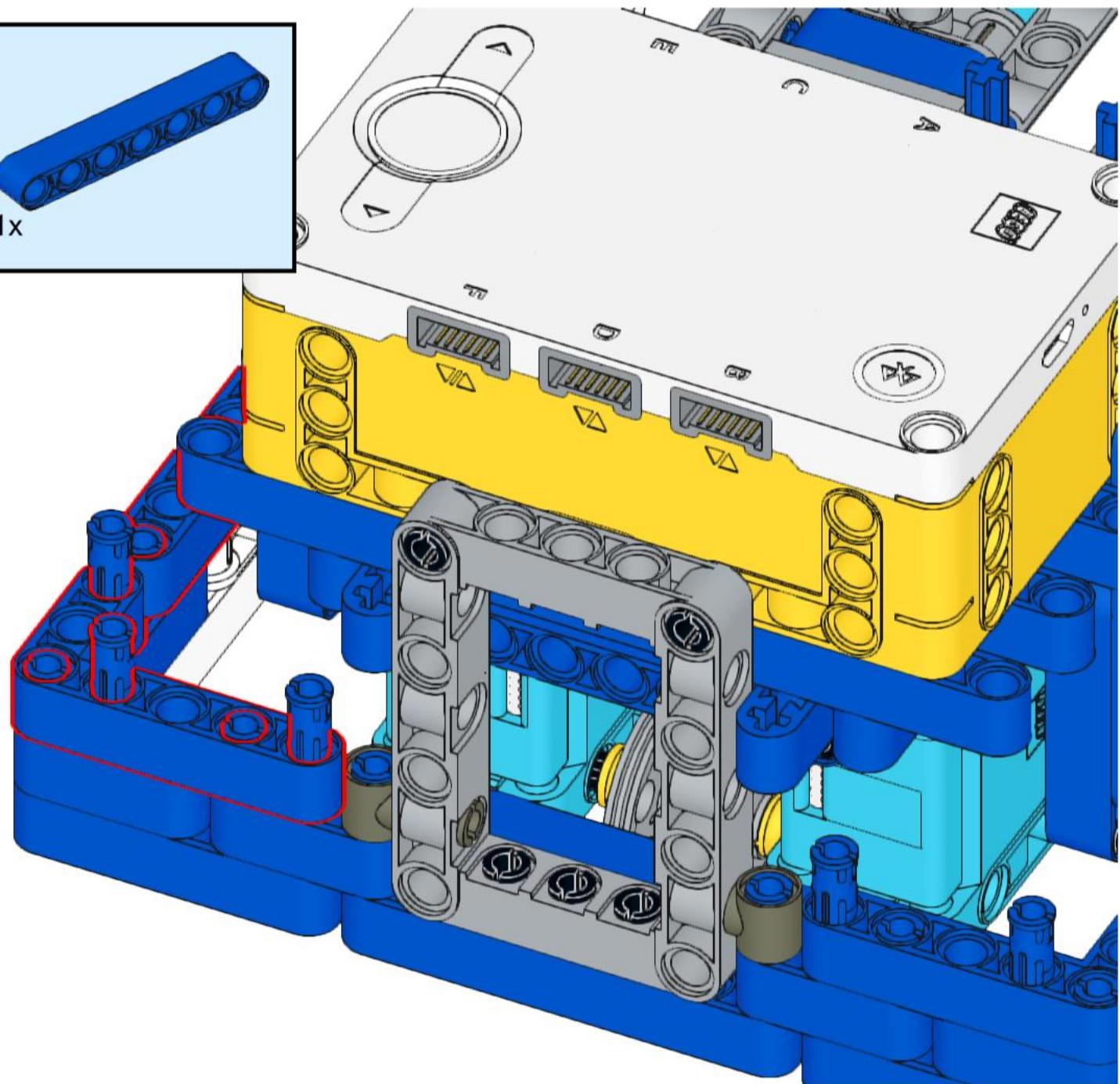
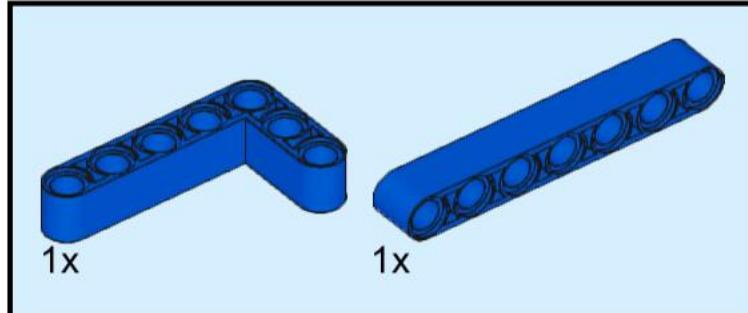
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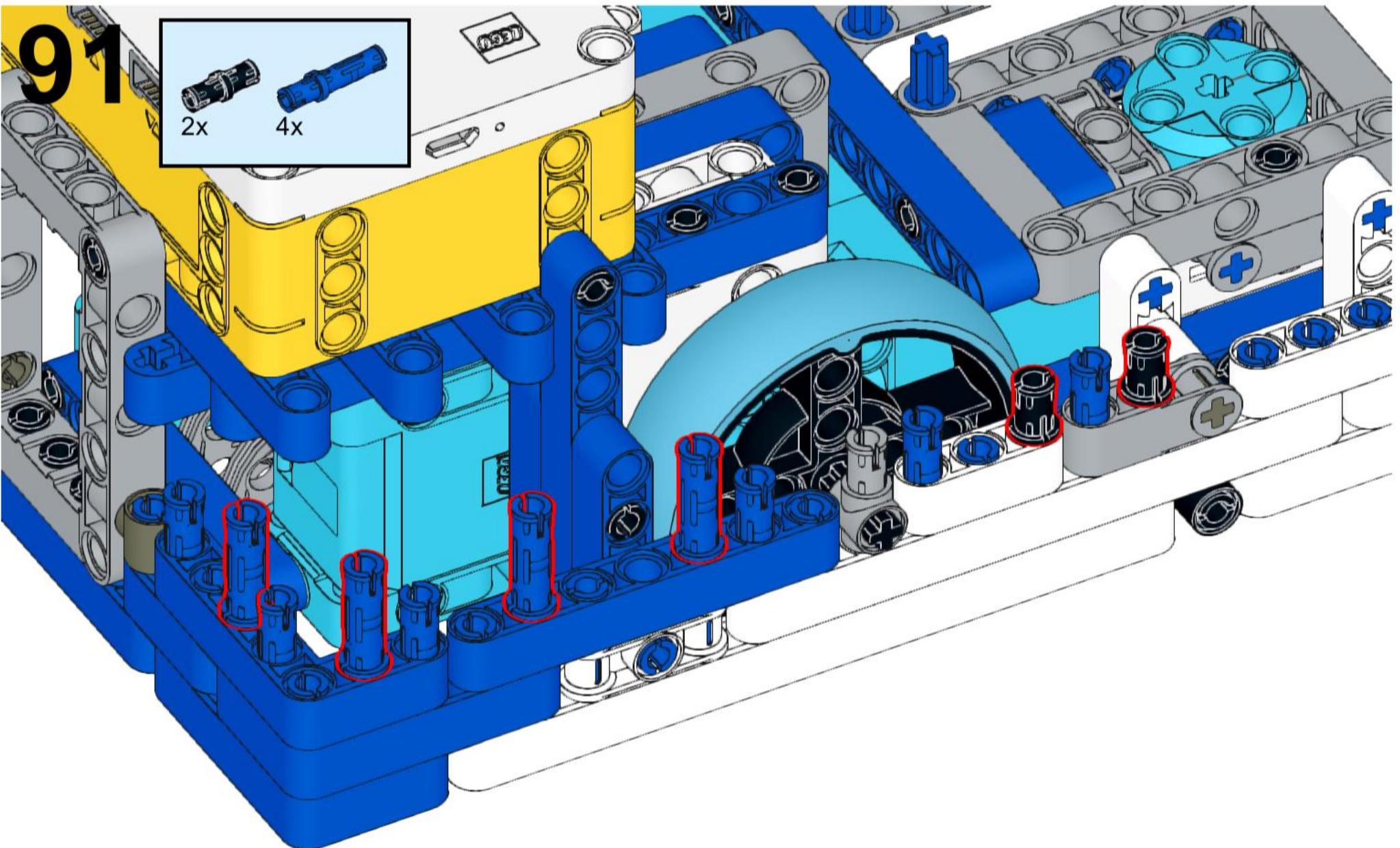


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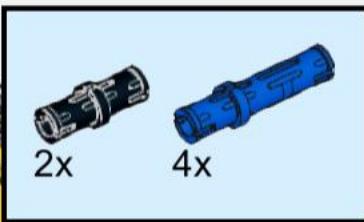


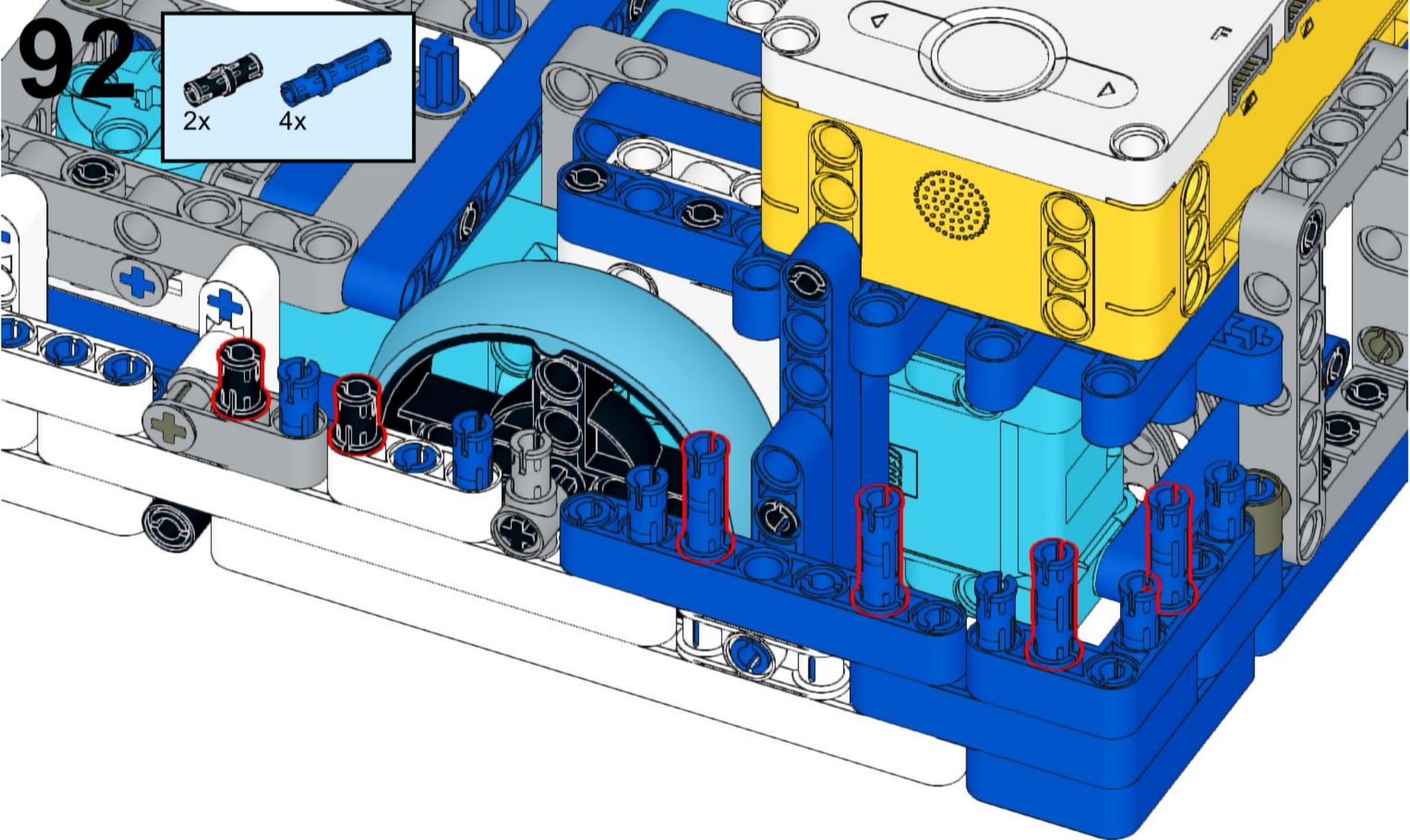
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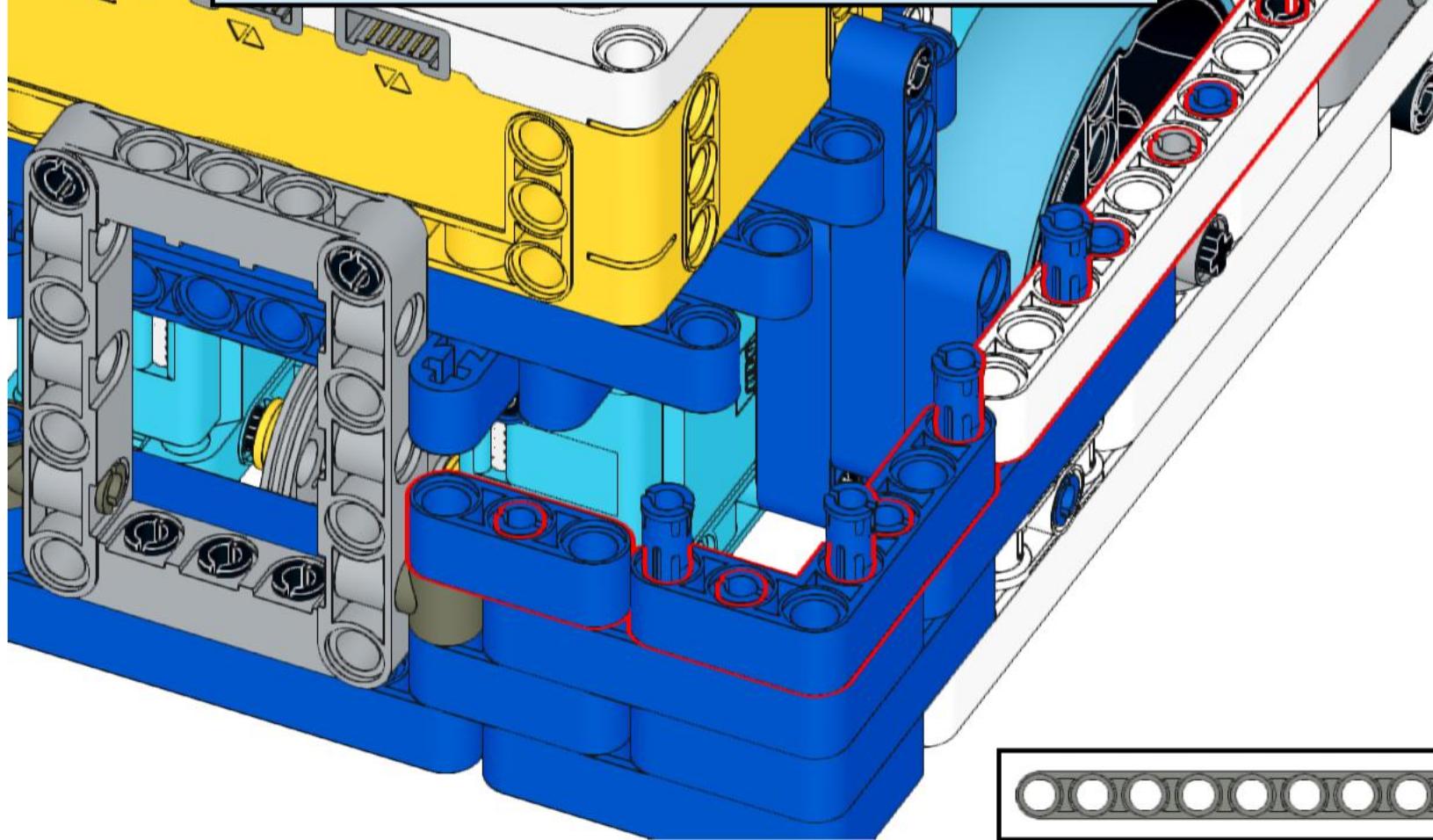
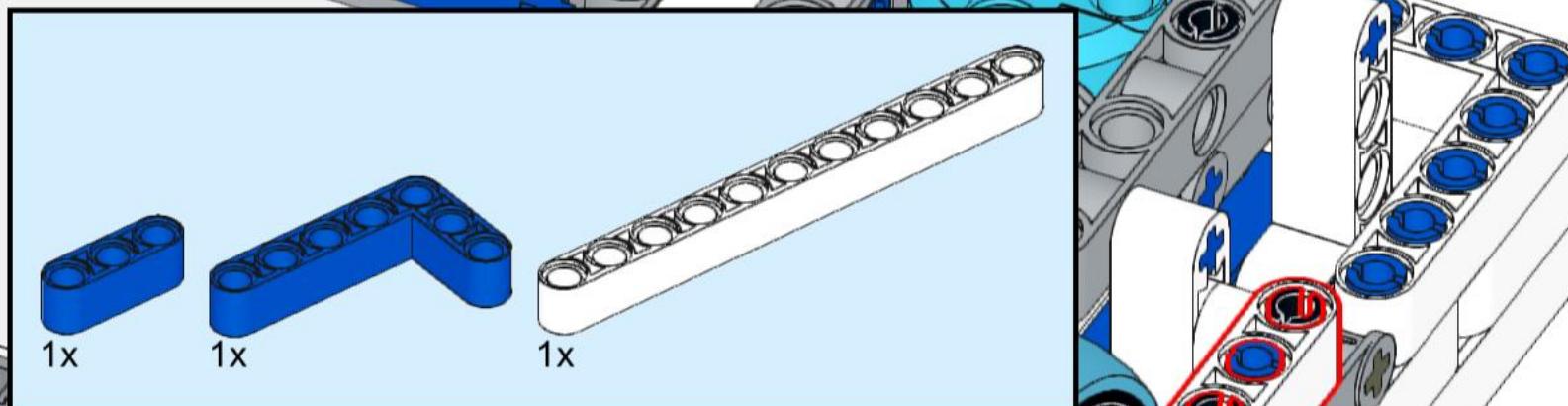


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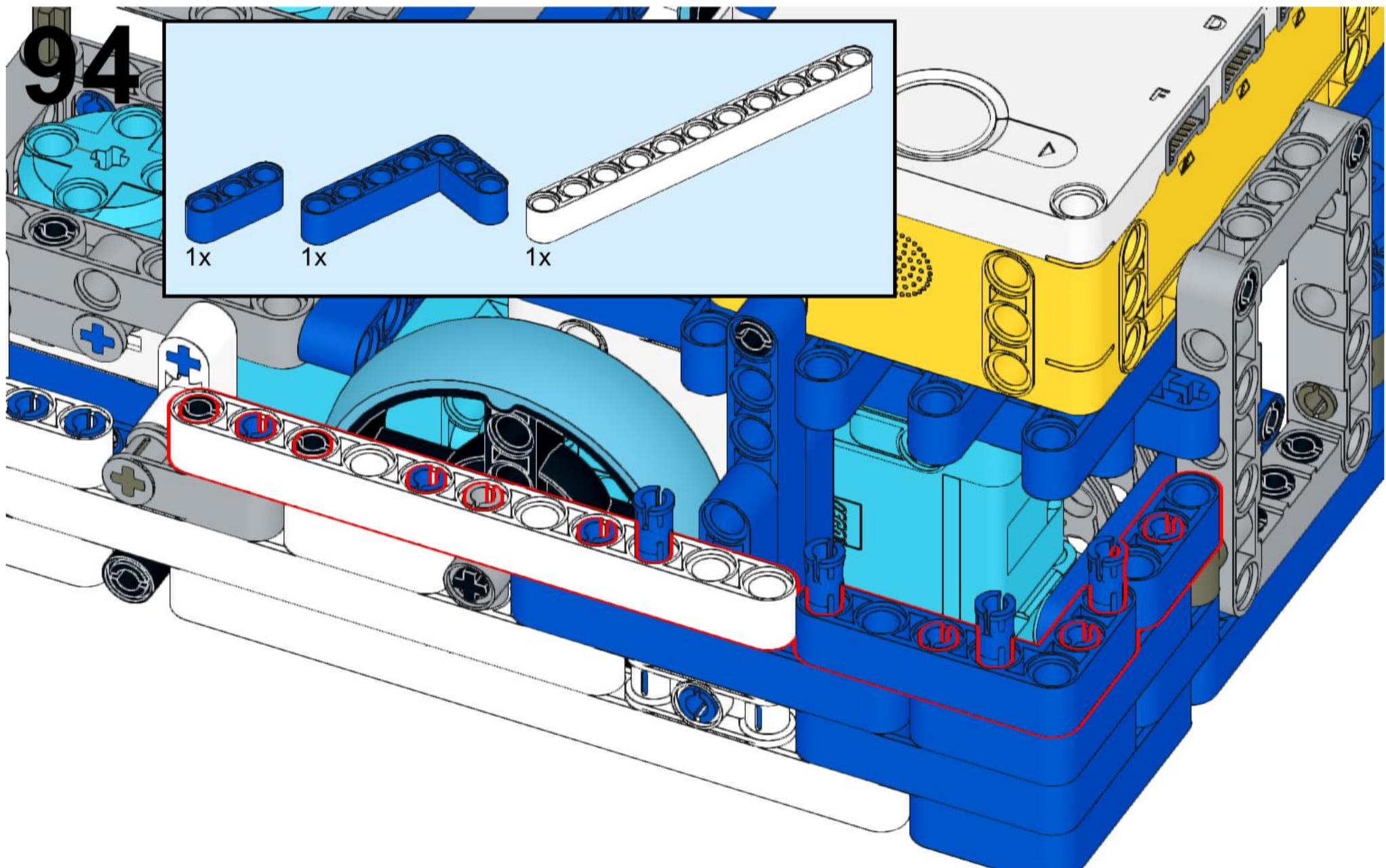
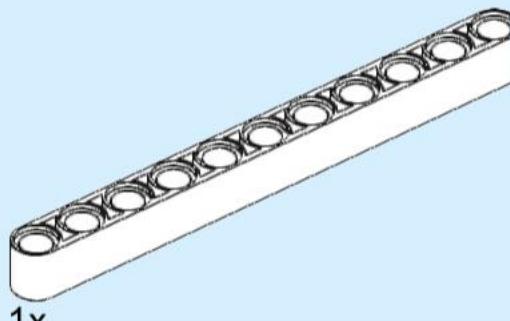
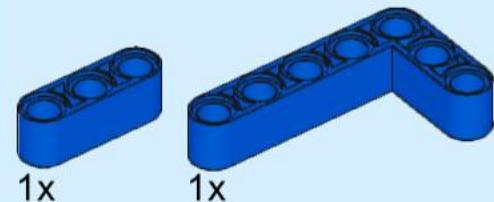




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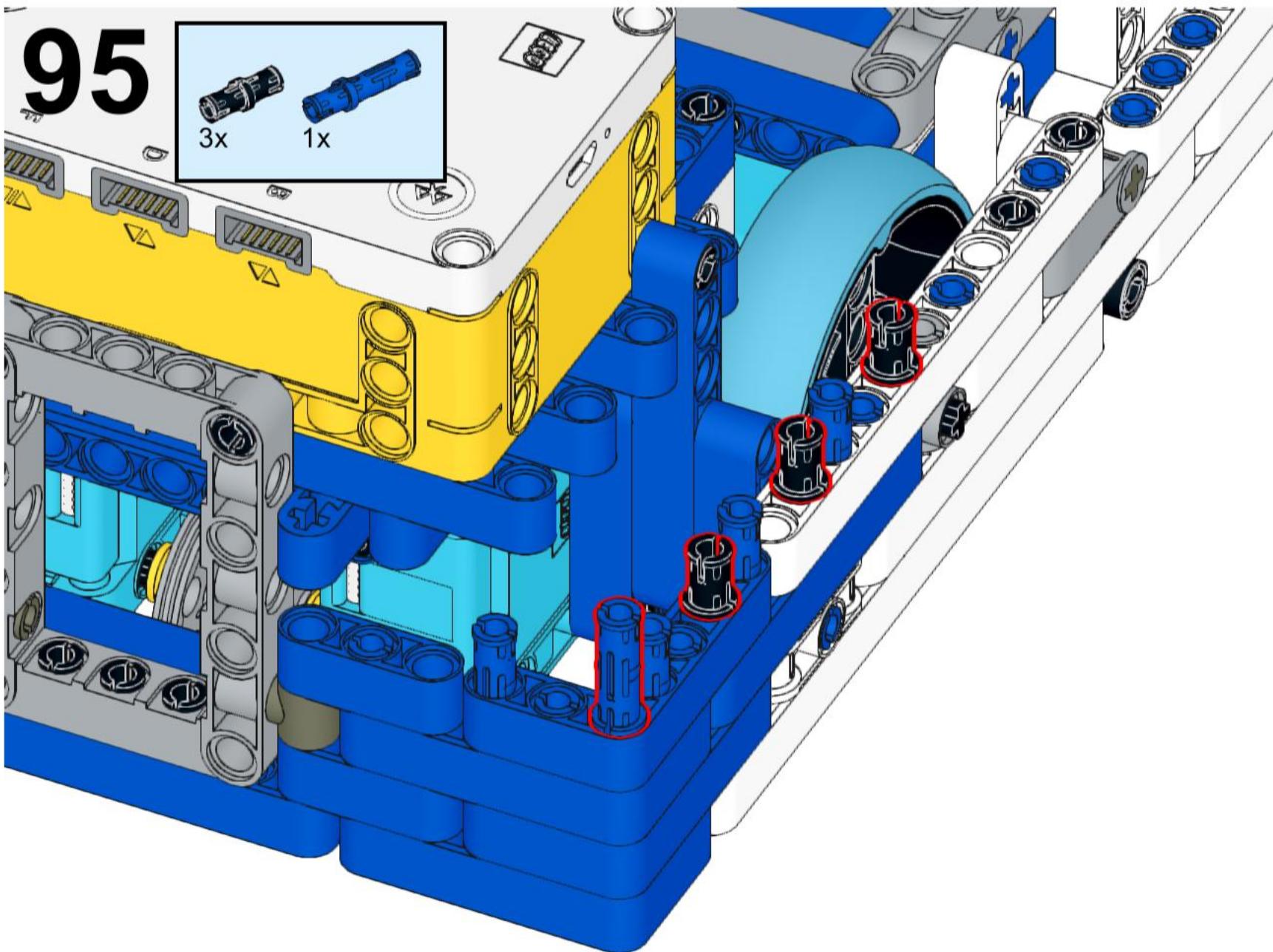
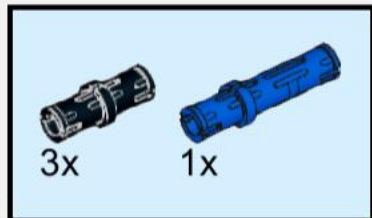


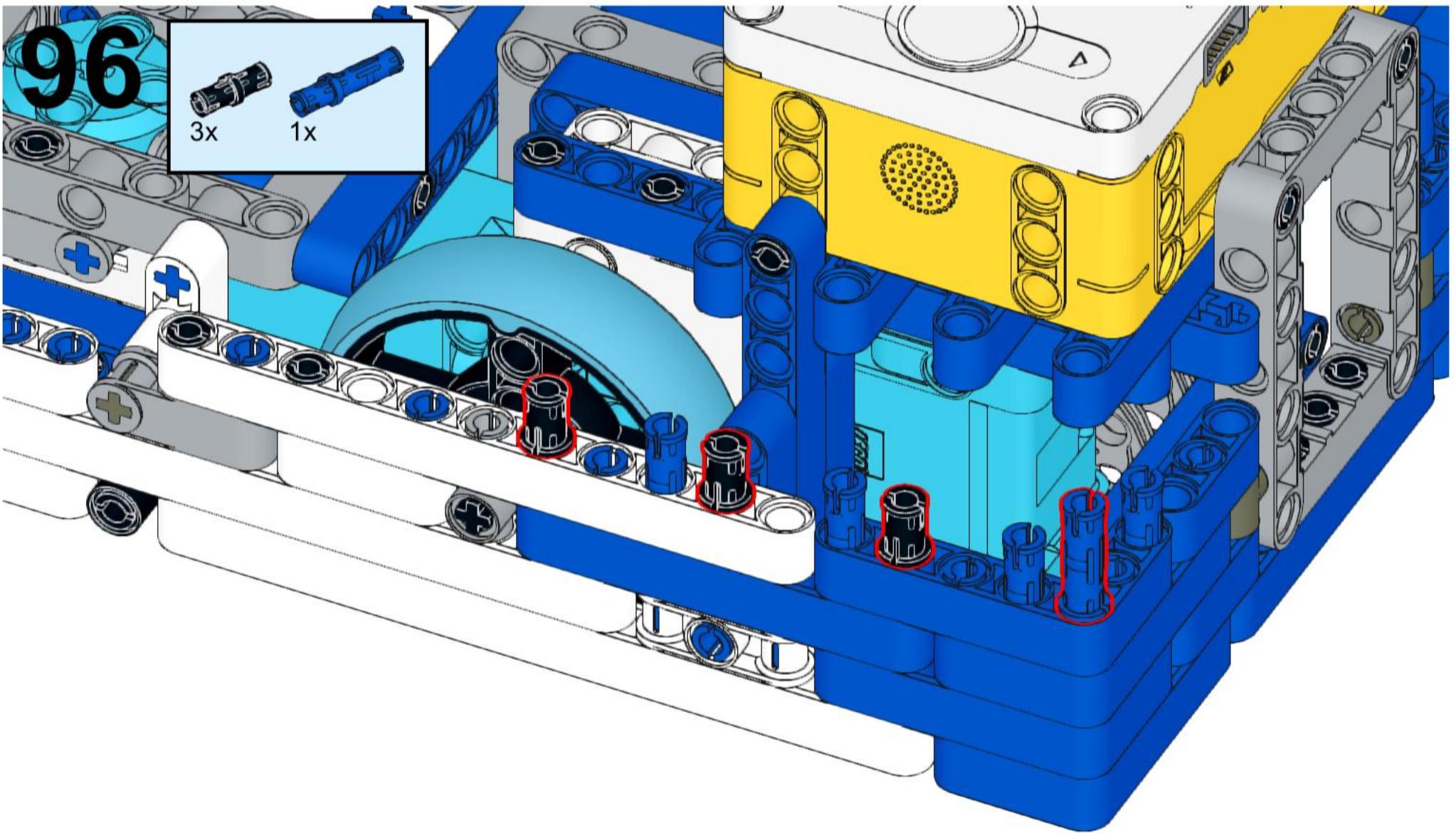
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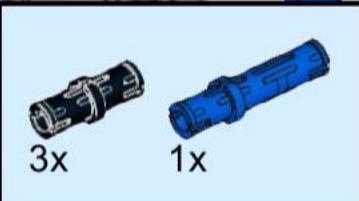
11 1:1

95

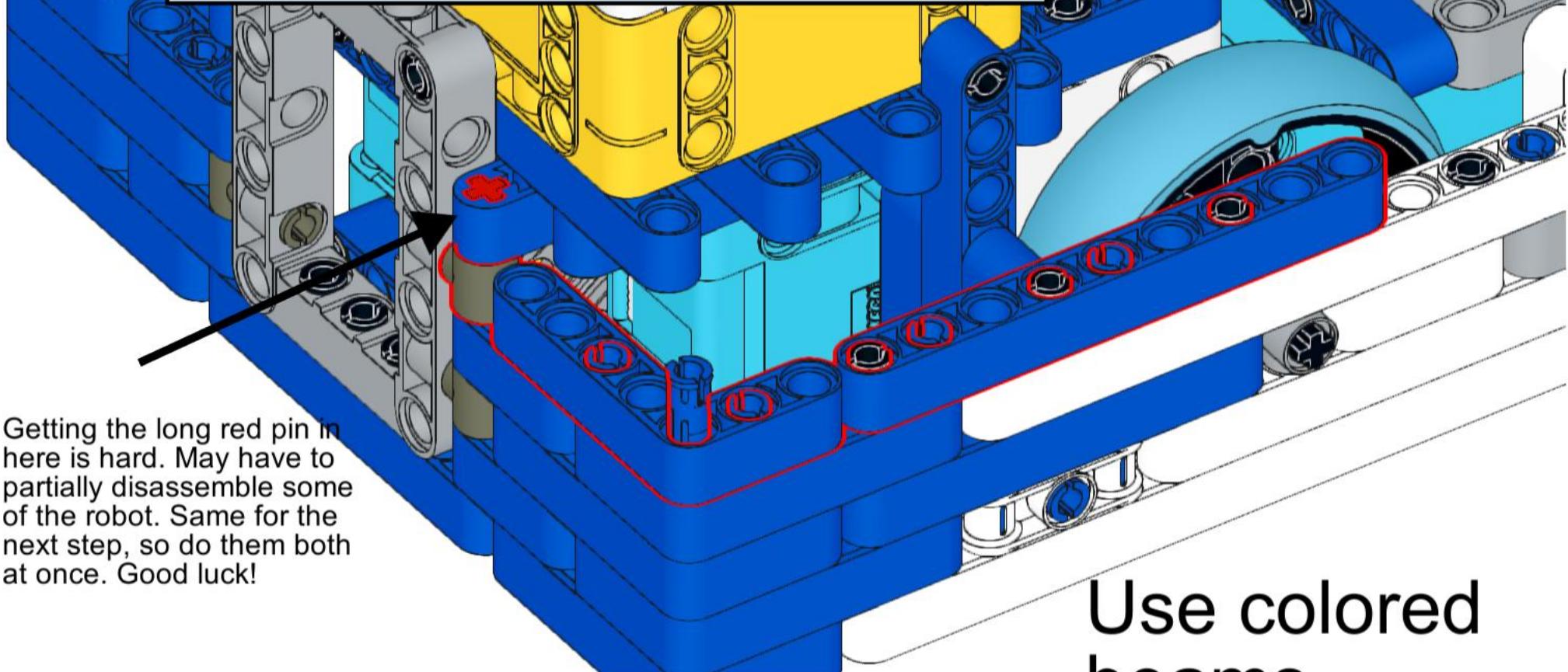
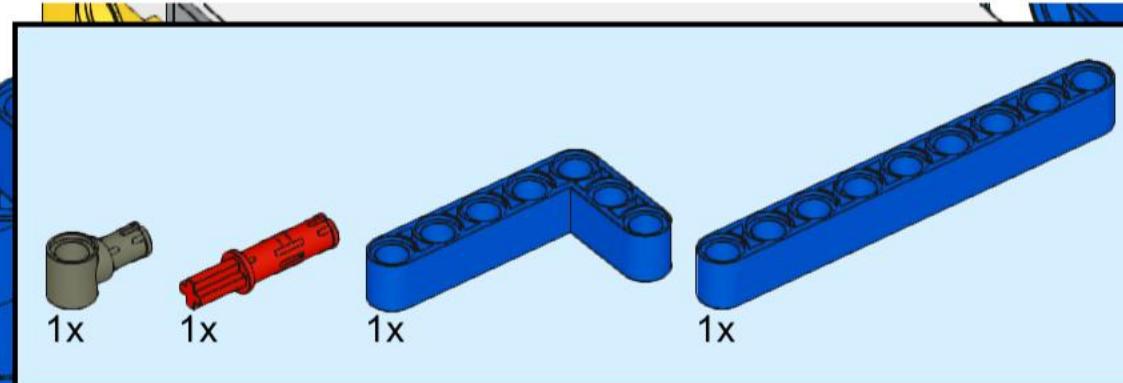




96



97

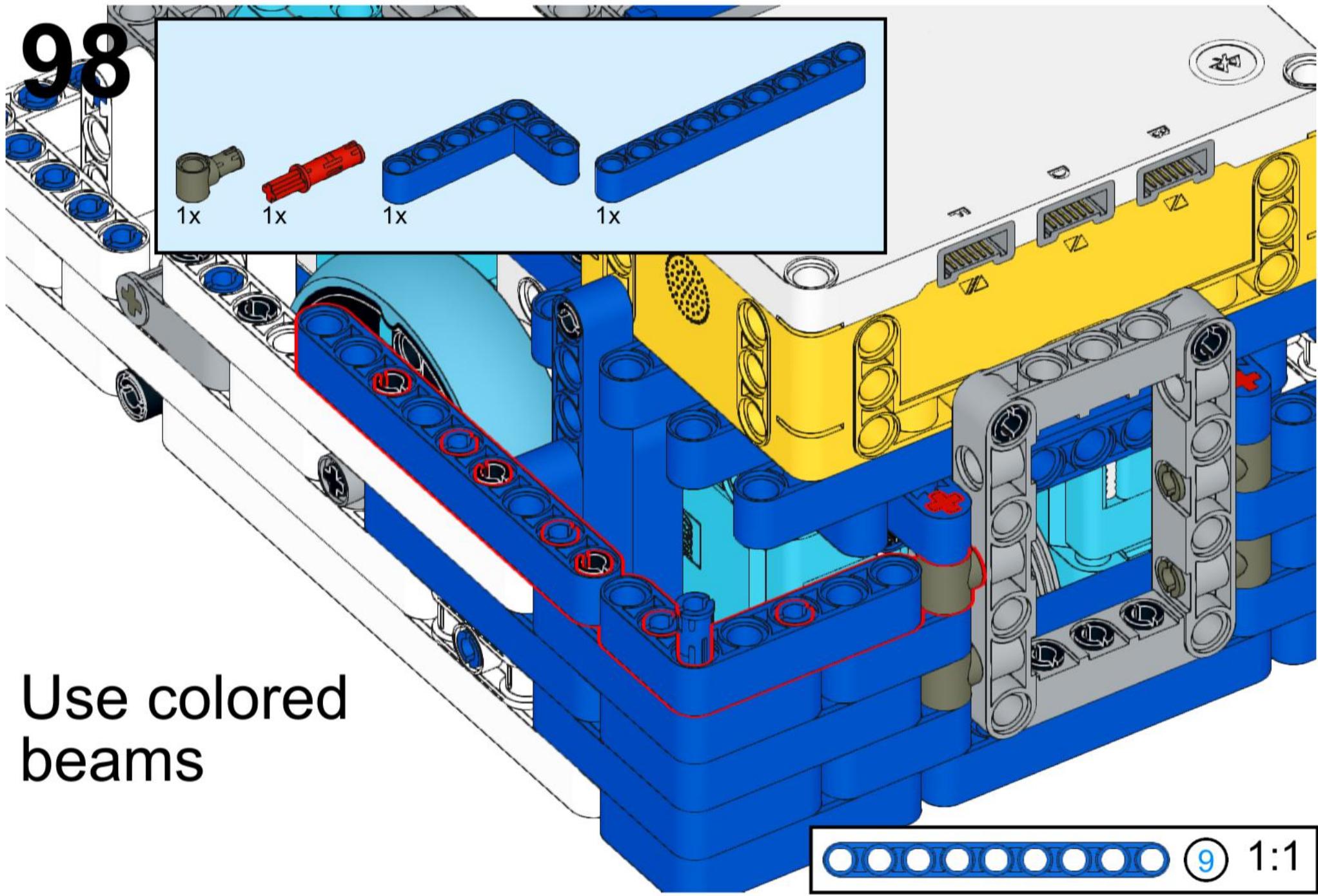
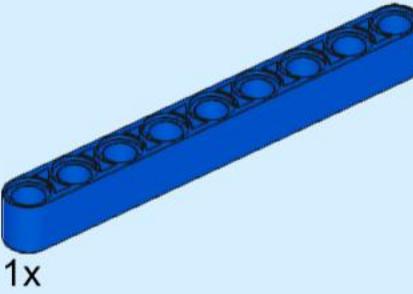
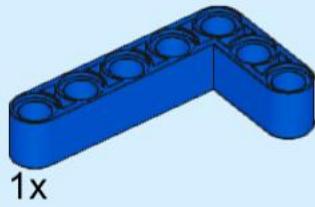
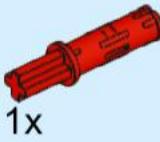


Getting the long red pin in here is hard. May have to partially disassemble some of the robot. Same for the next step, so do them both at once. Good luck!

Use colored beams.

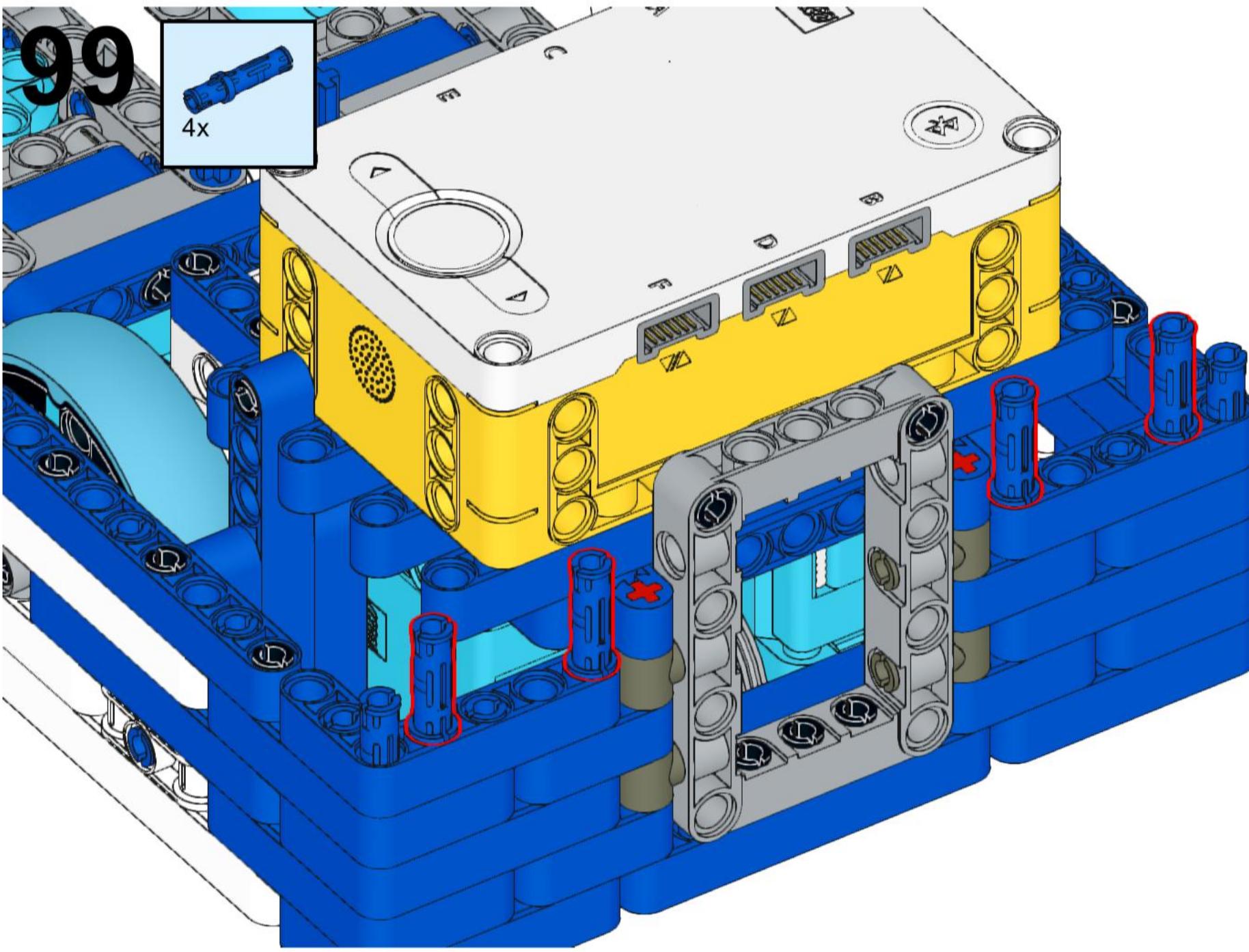


**98**



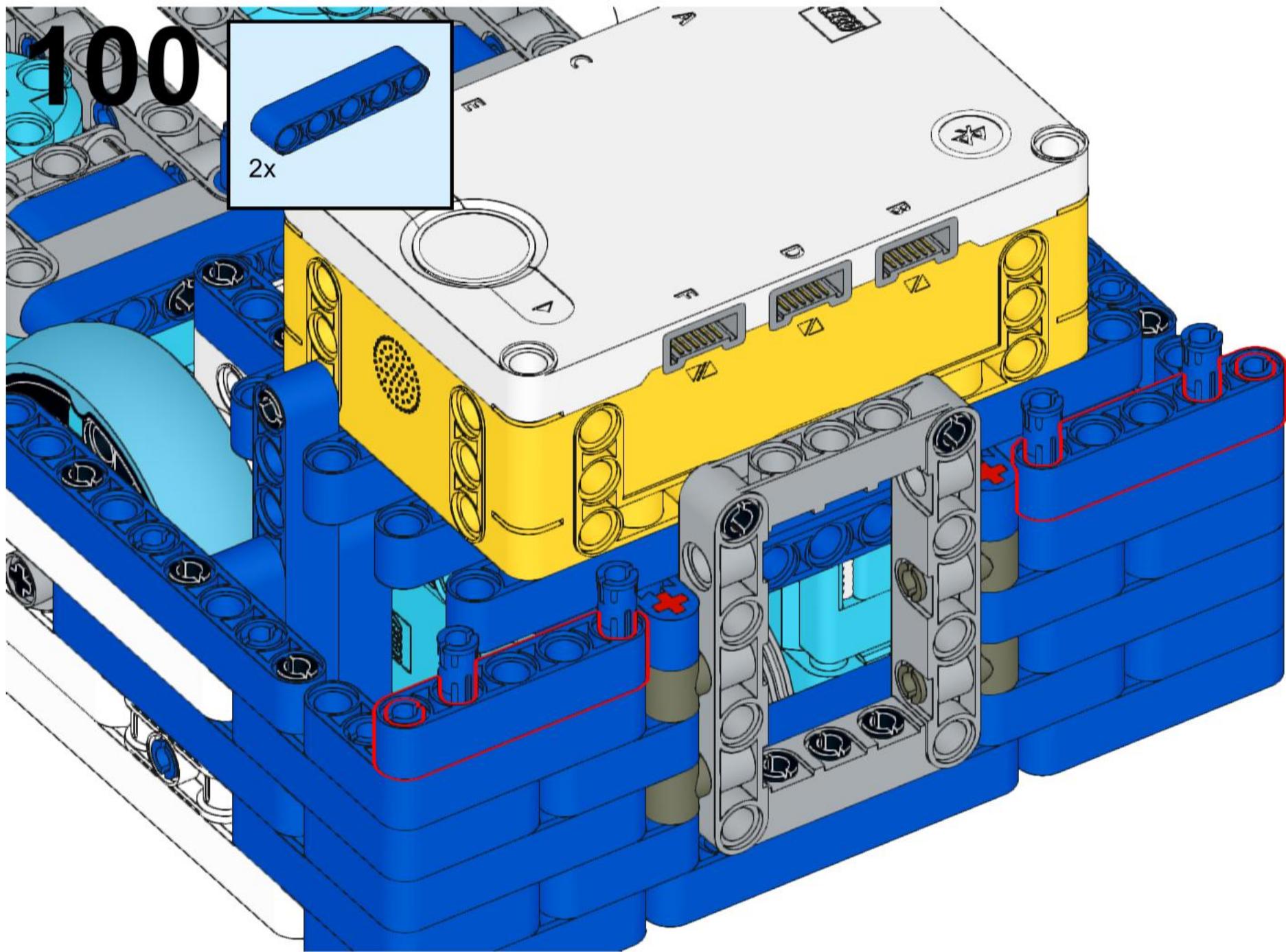
Use colored  
beams

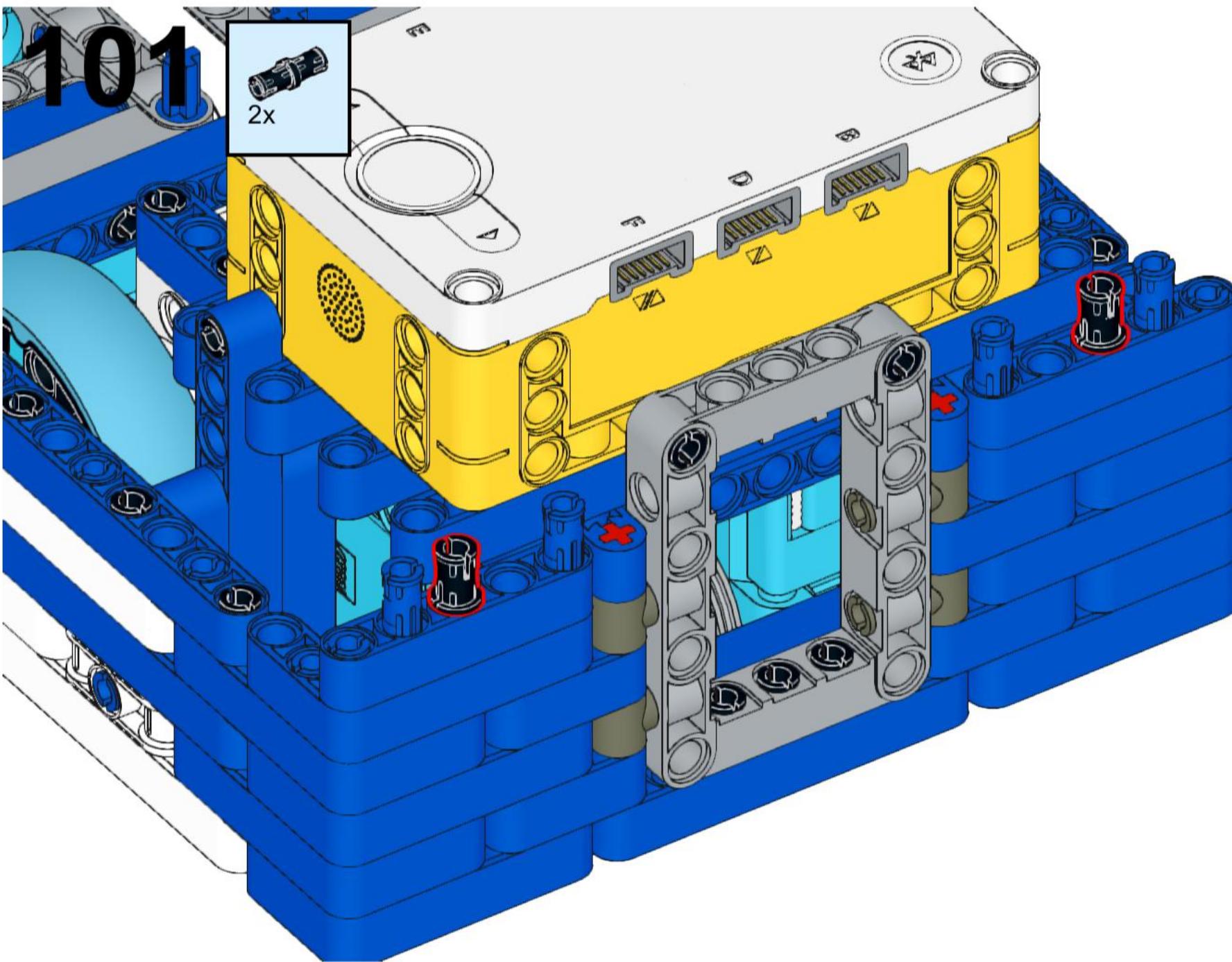


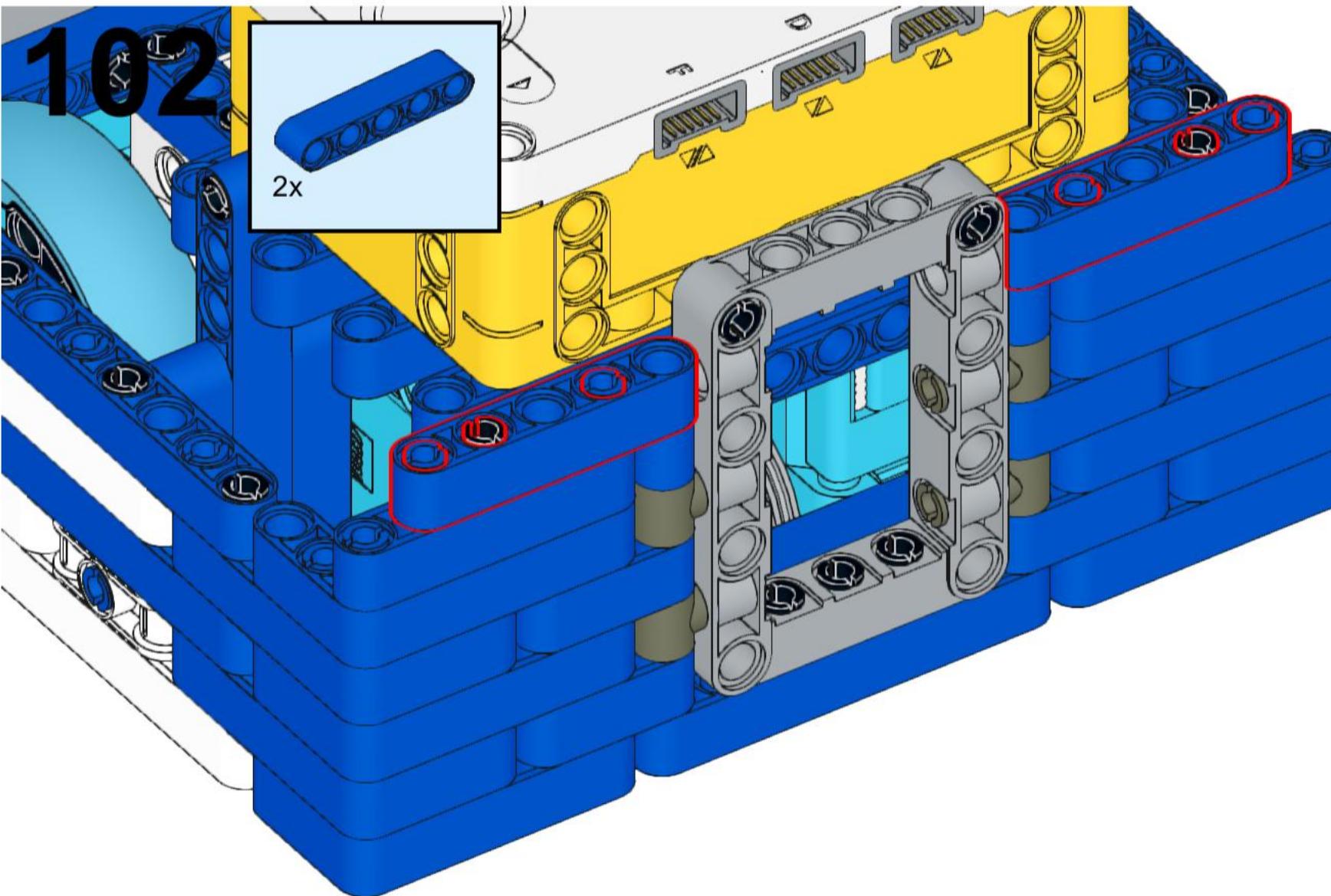


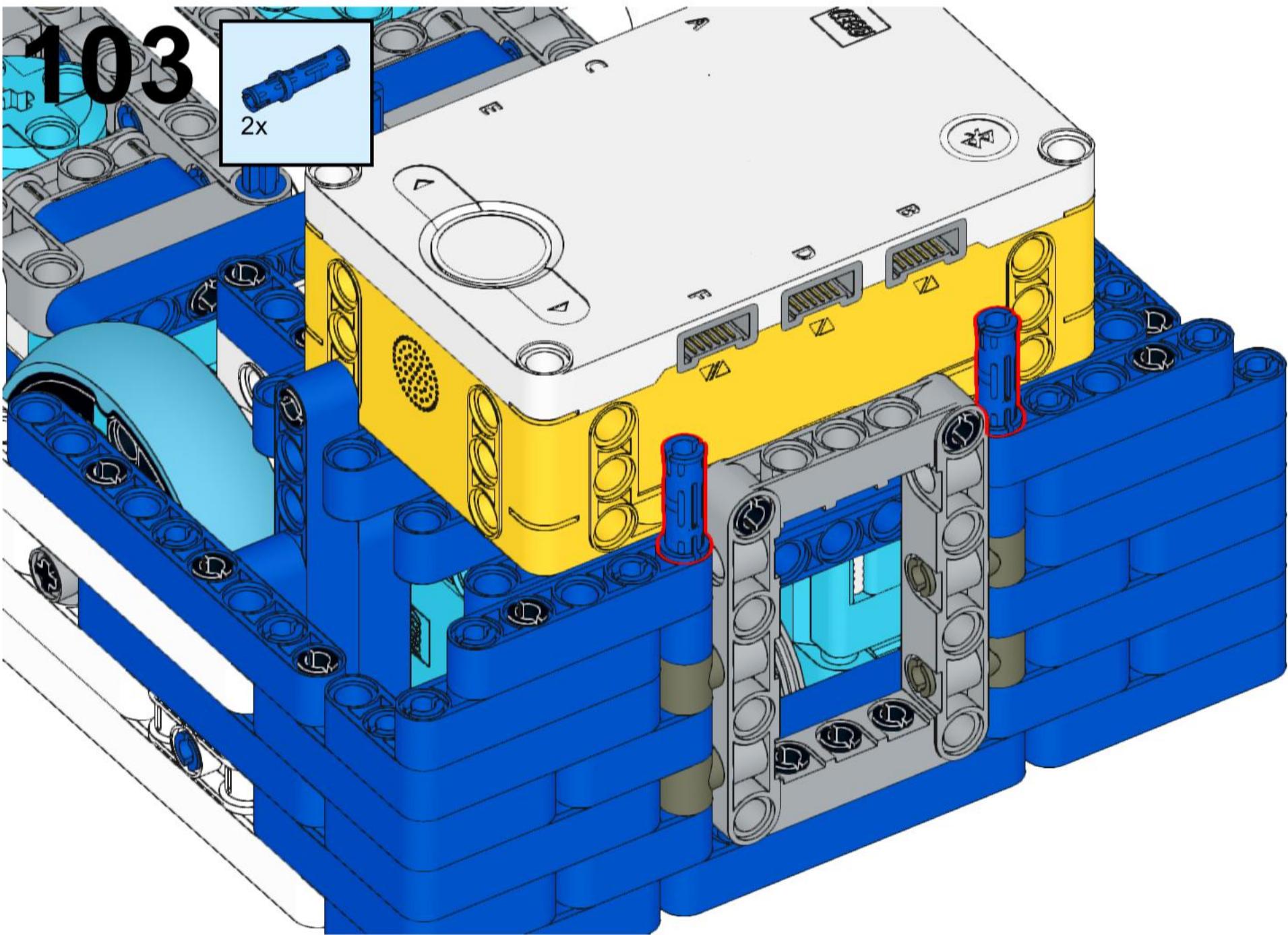
**100**

2x

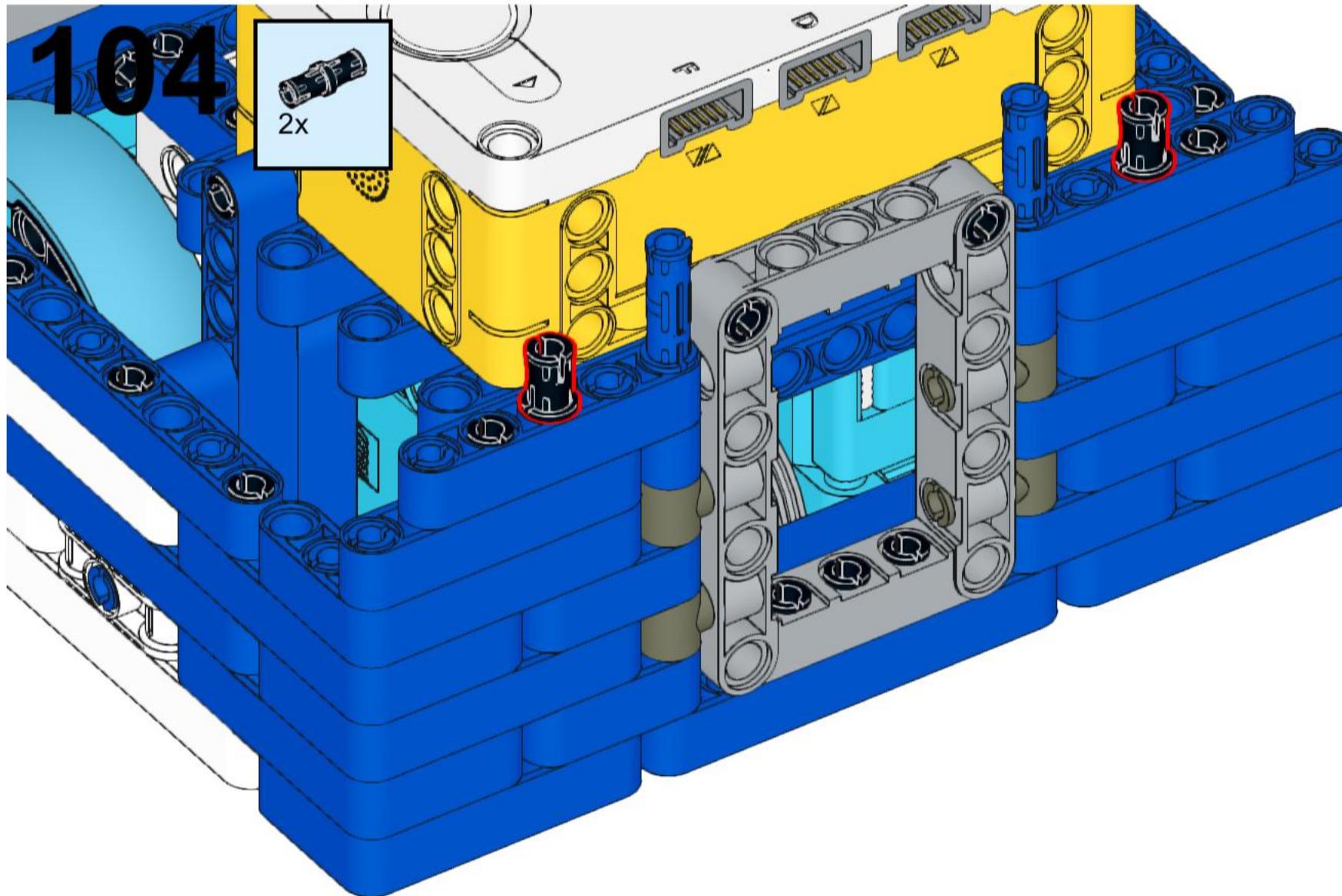




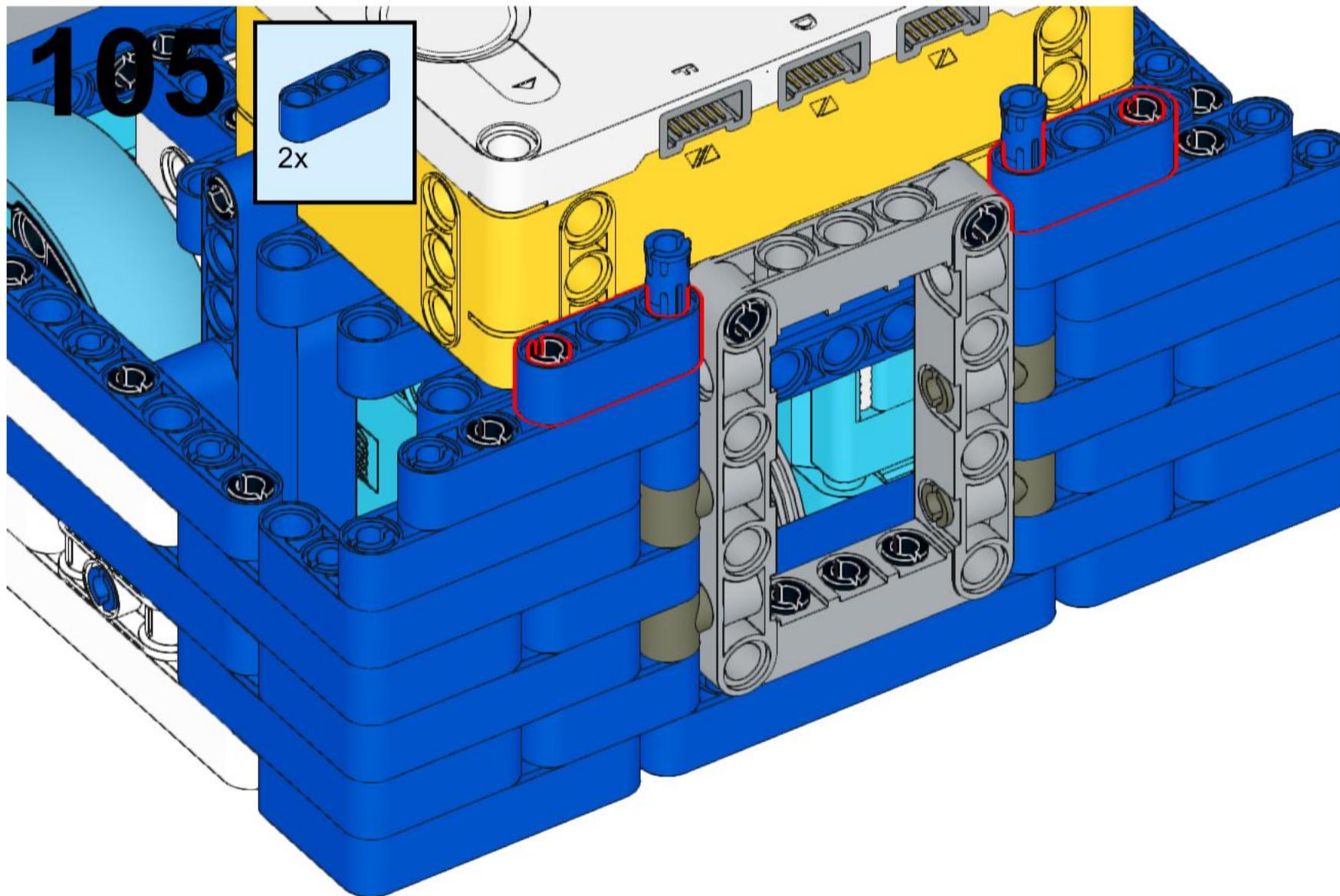
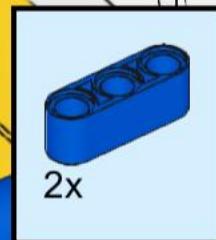




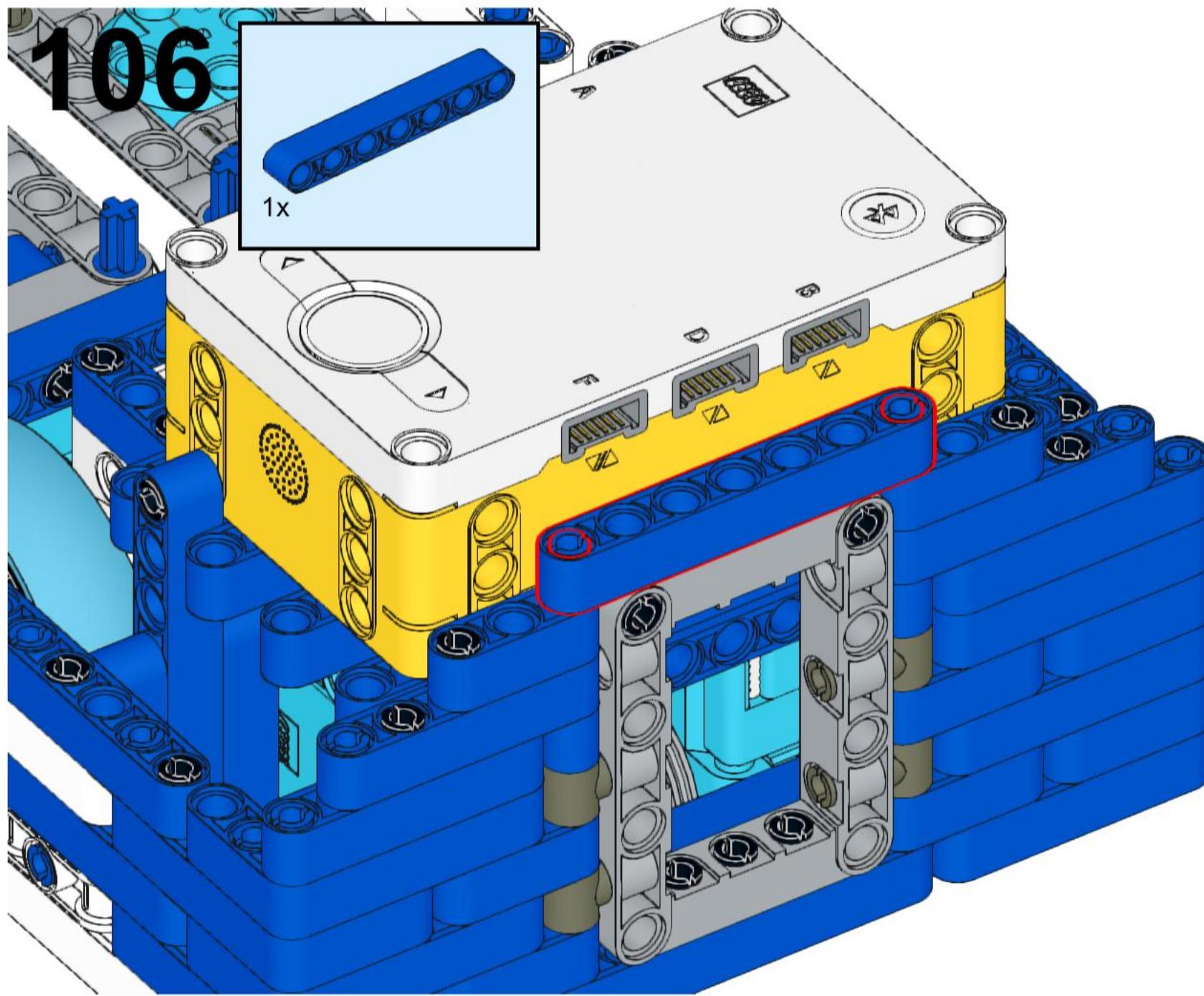
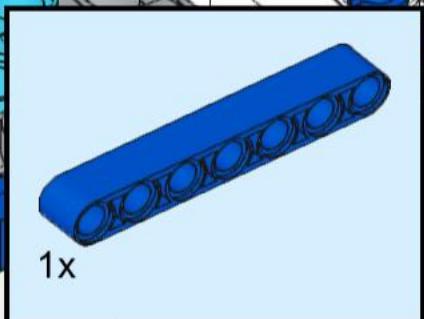
**104**

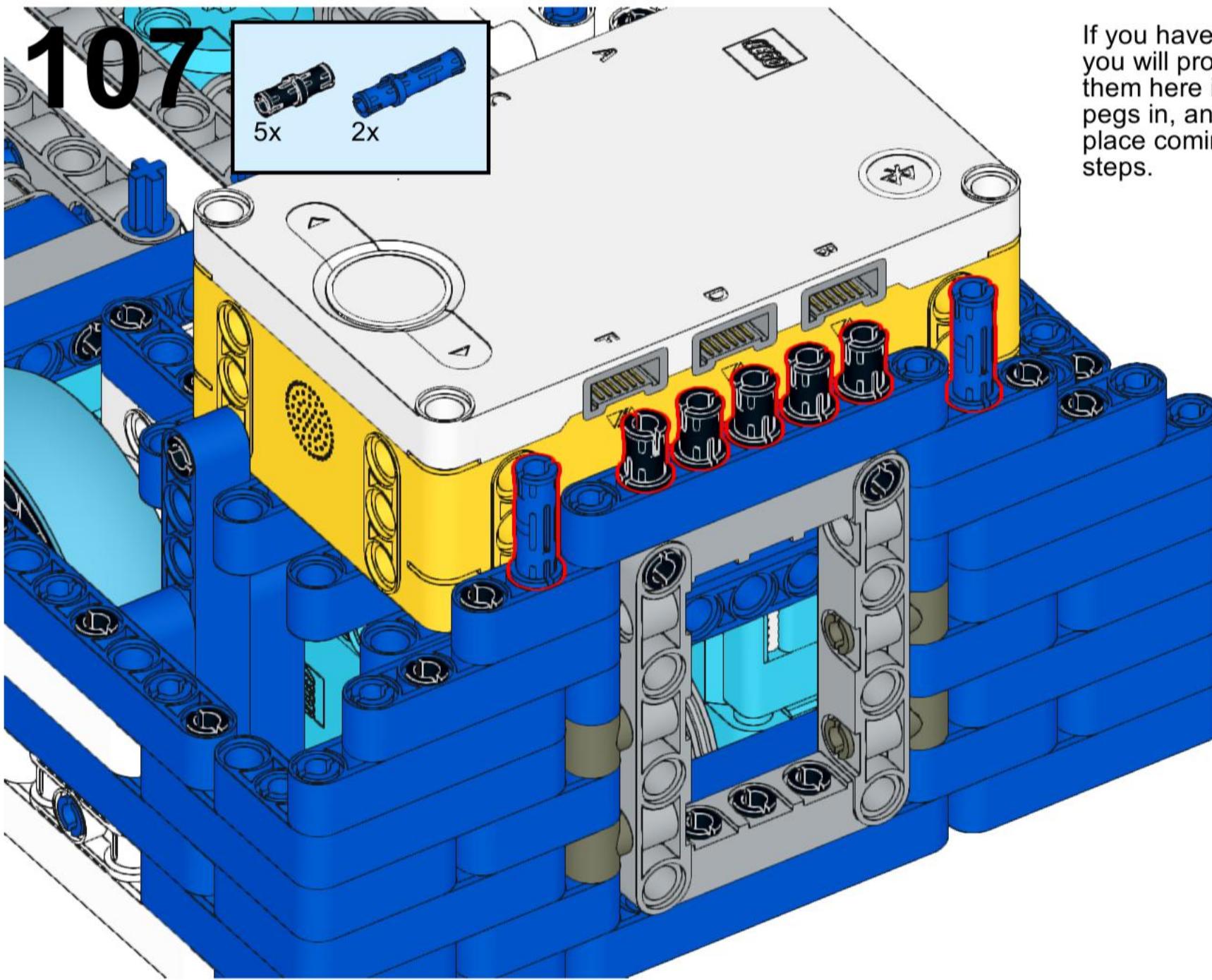


**105**

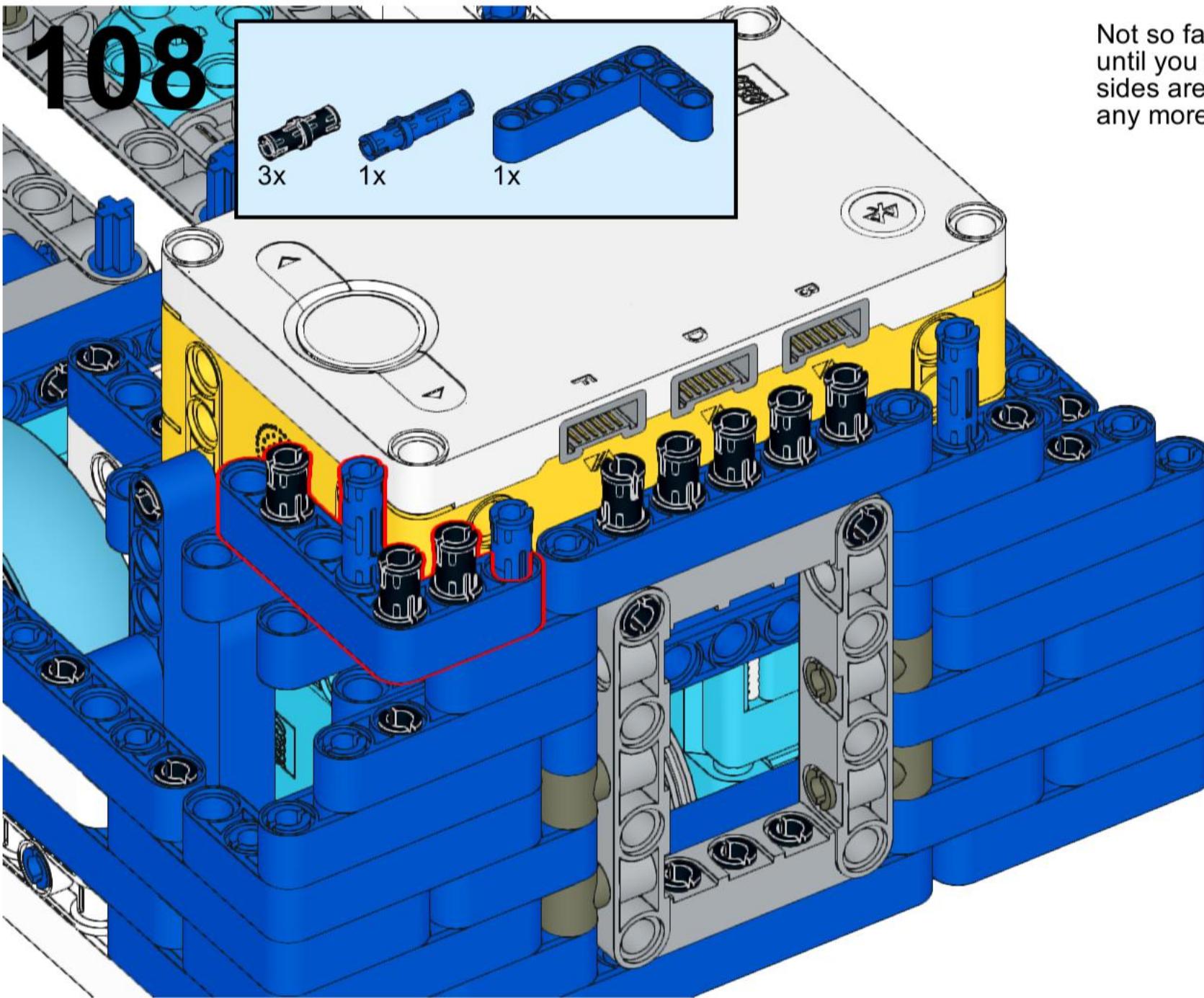


**106**



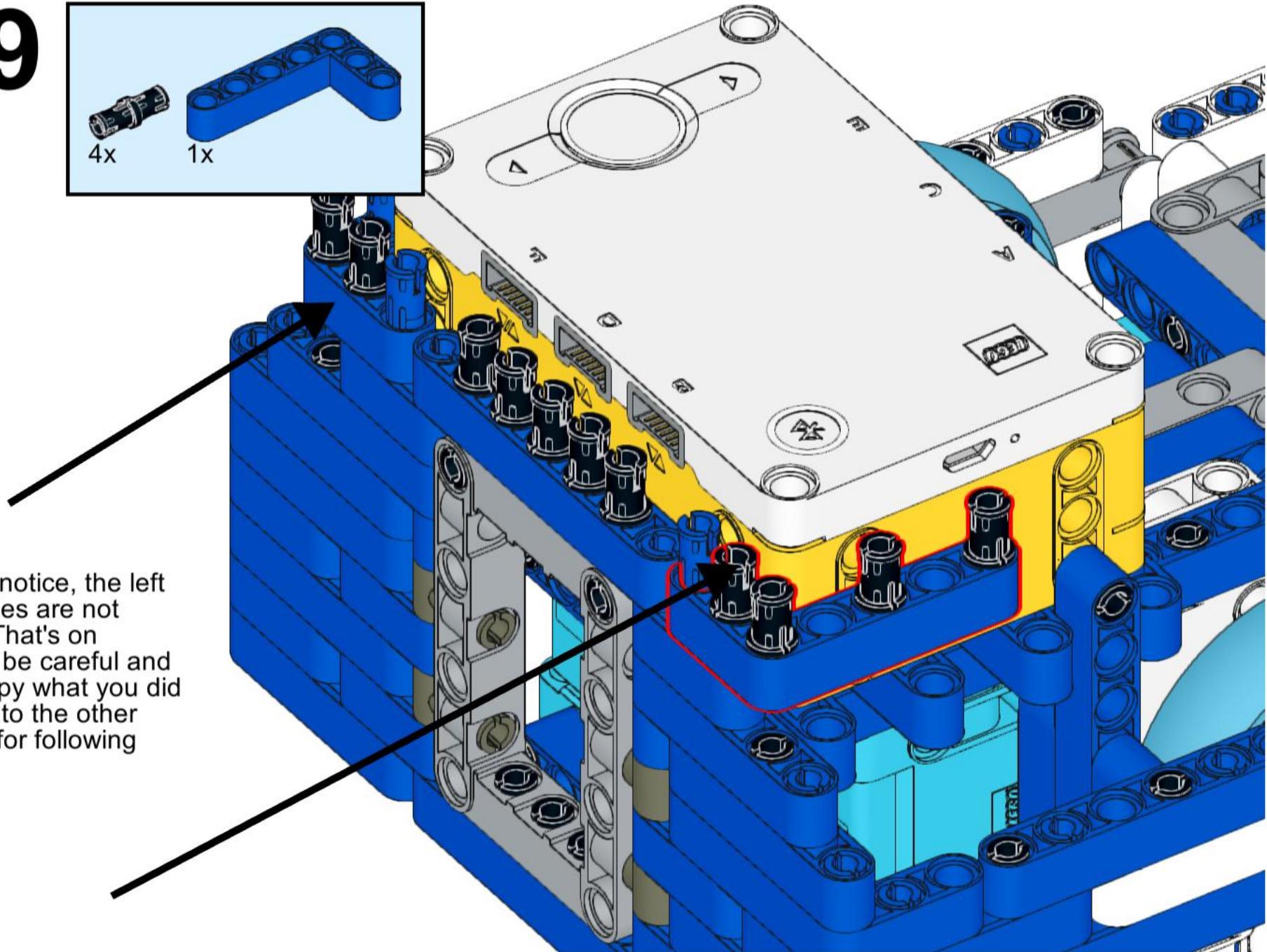
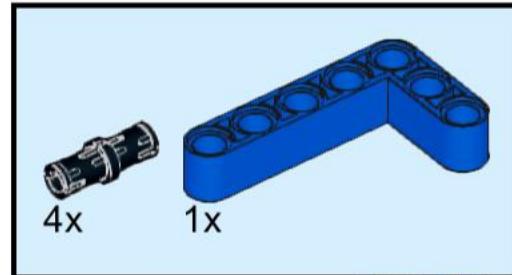
**107**

If you have plugged the wires in, you will probably want to unplug them here in order to get these pegs in, and to get the beam in place coming up in a couple of steps.



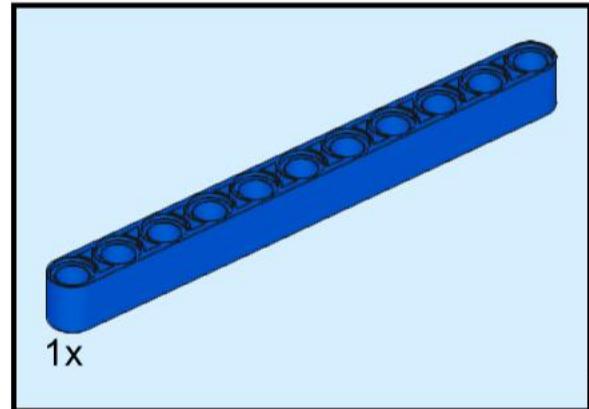
Not so fast! Don't go ahead until you see the next step. The sides are NOT SYMMETRIC any more.

# 109

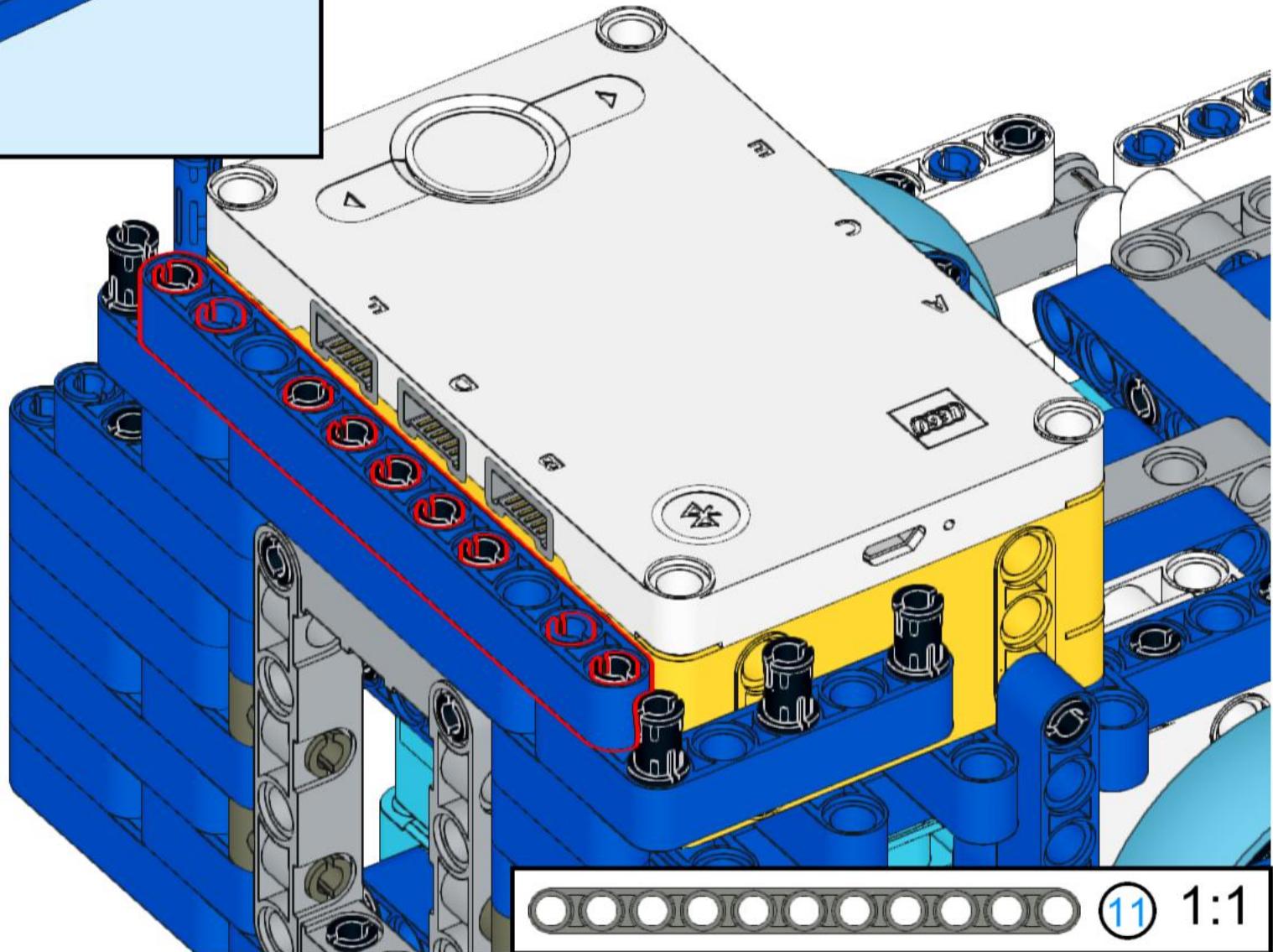


If you didn't notice, the left and right sides are not symmetric. That's on purpose, so be careful and don't just copy what you did on one side to the other side. Same for following steps.

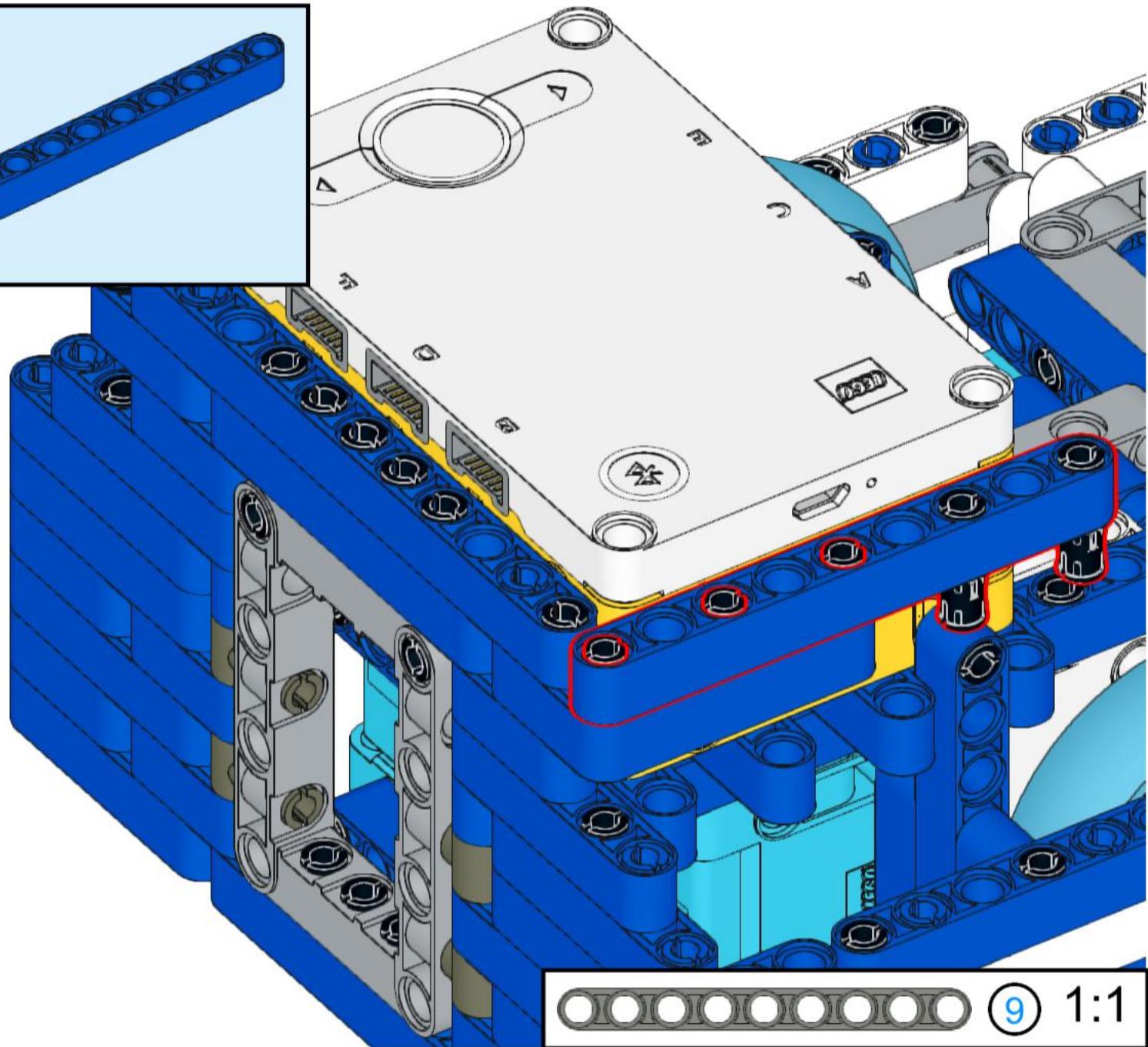
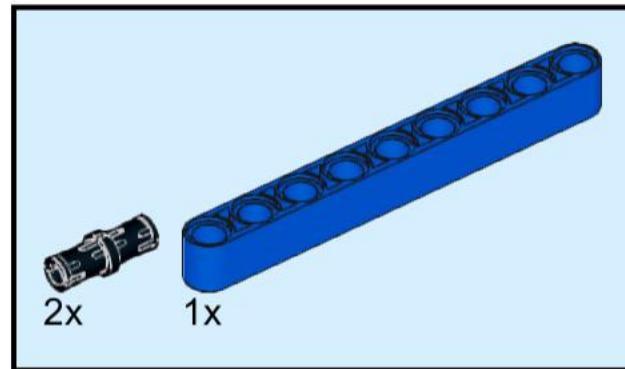
# 110



Plug the wires back in after installing the beam here.

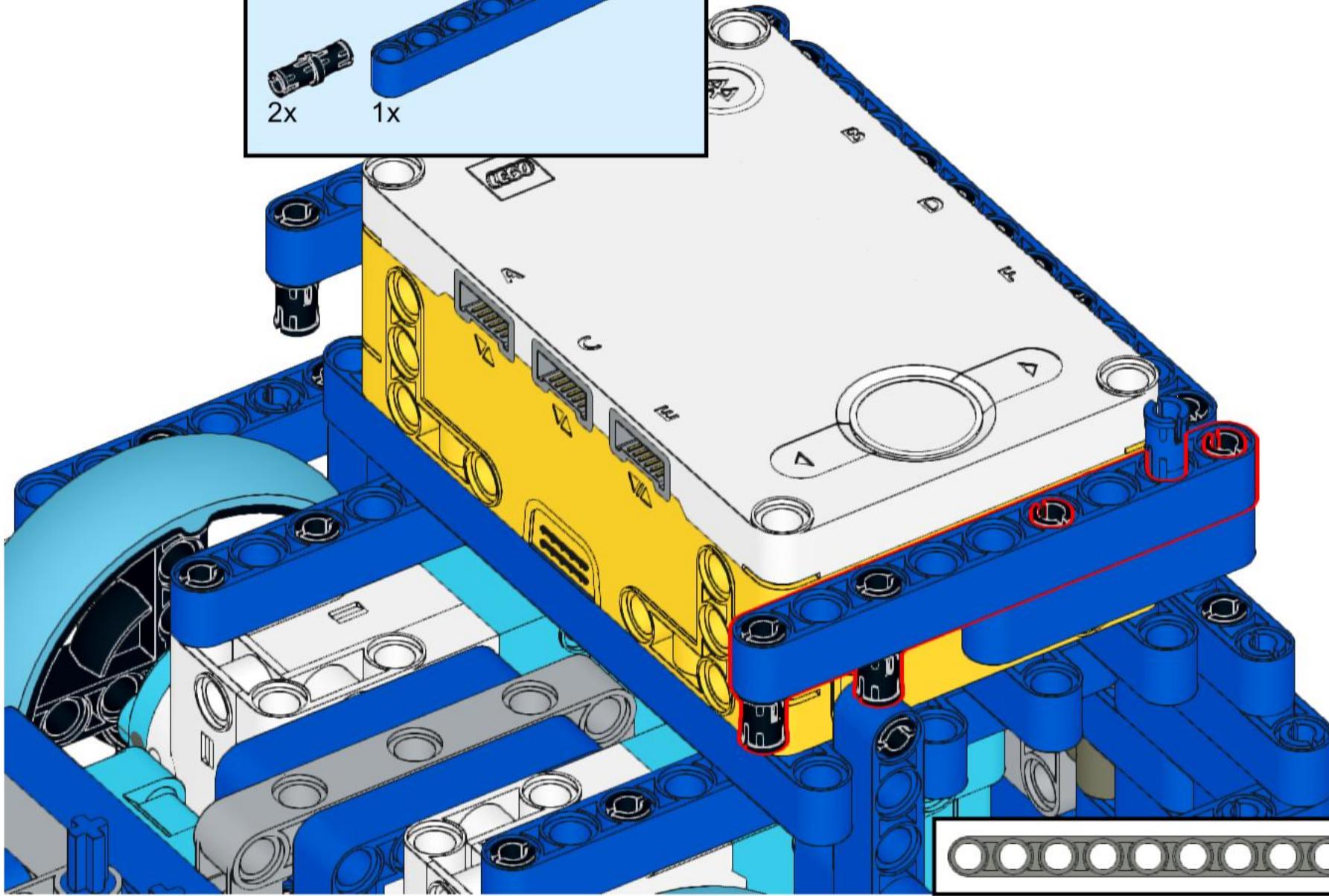
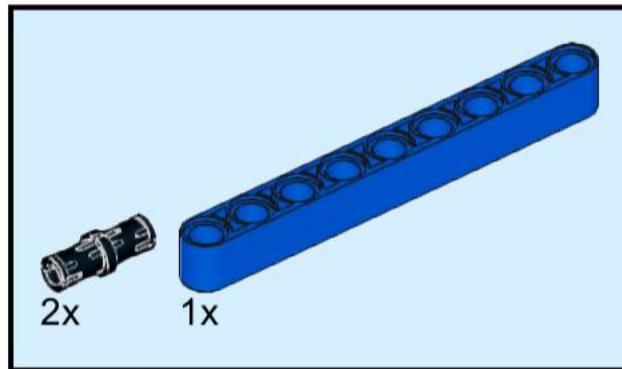


**111**



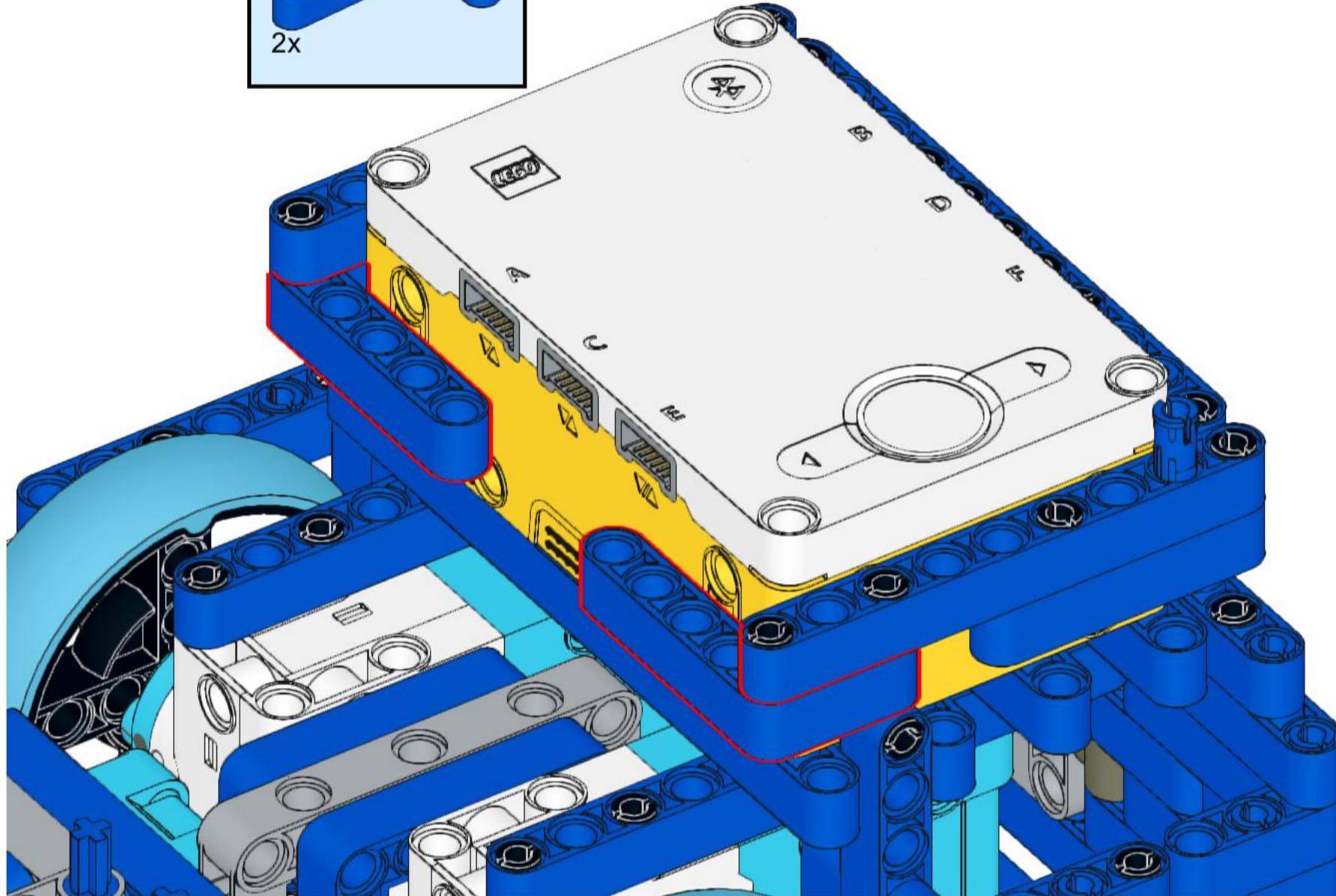
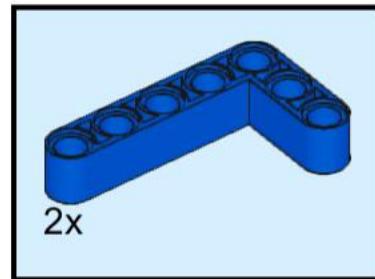
9 1:1

**112**

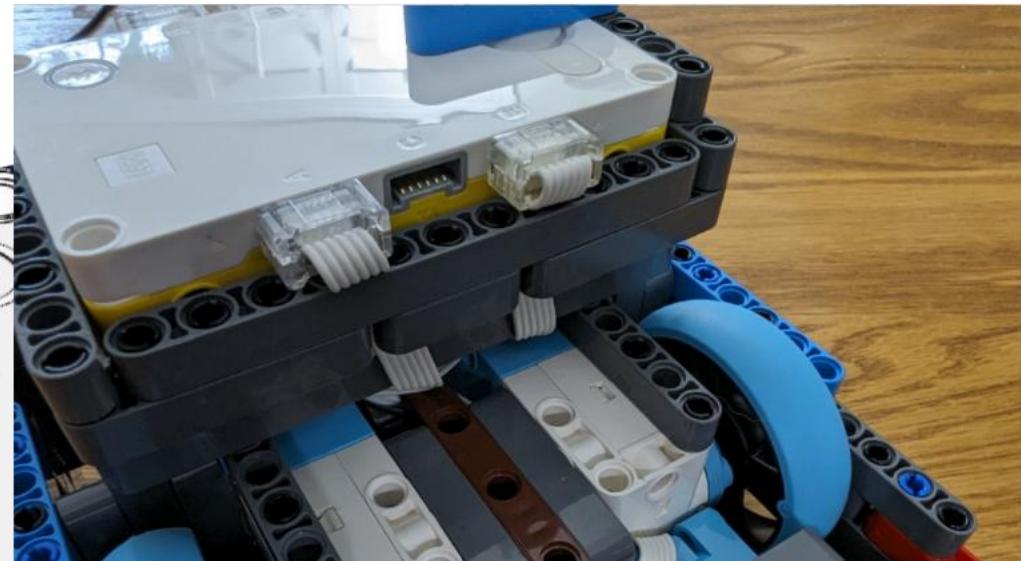
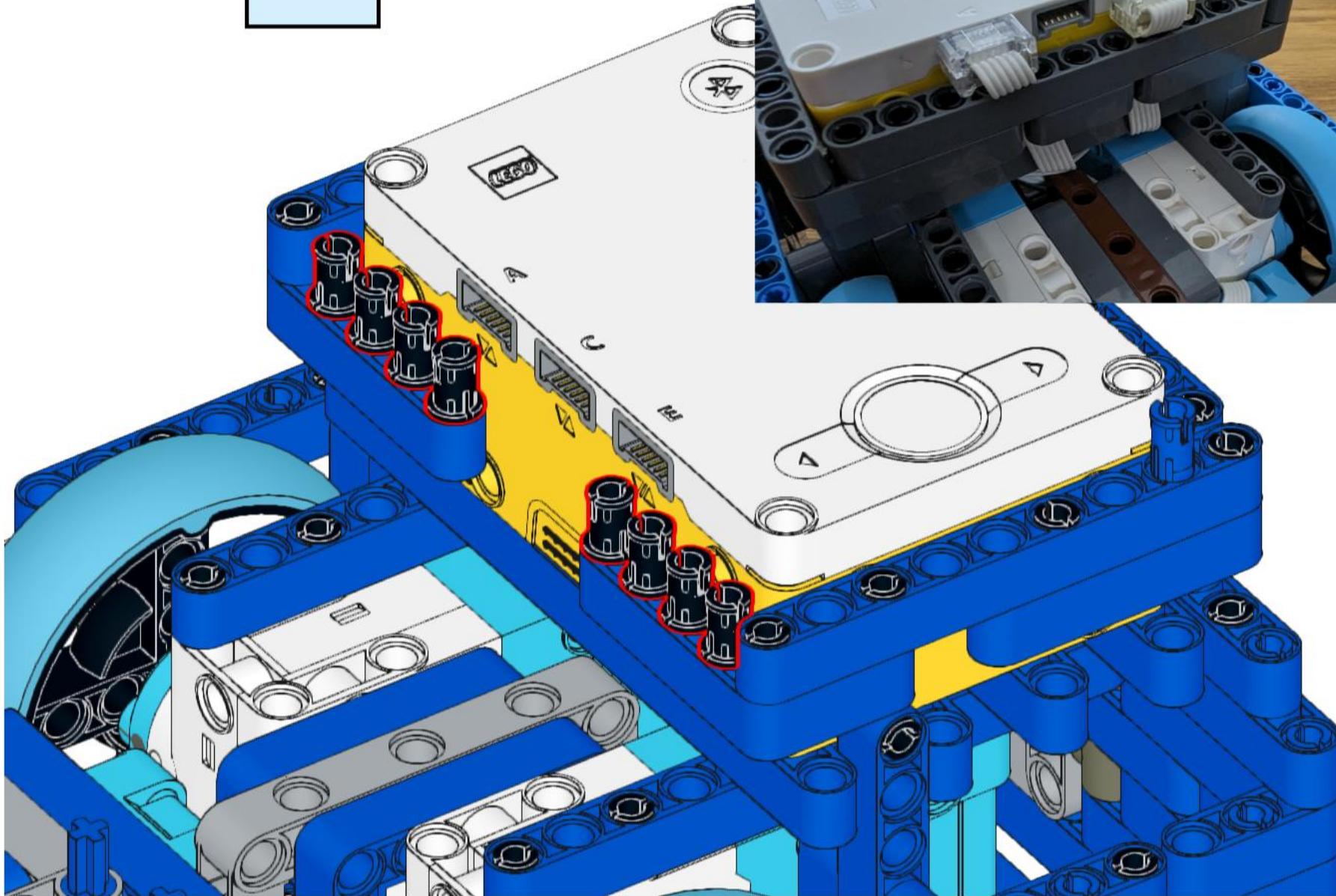


9 1:1

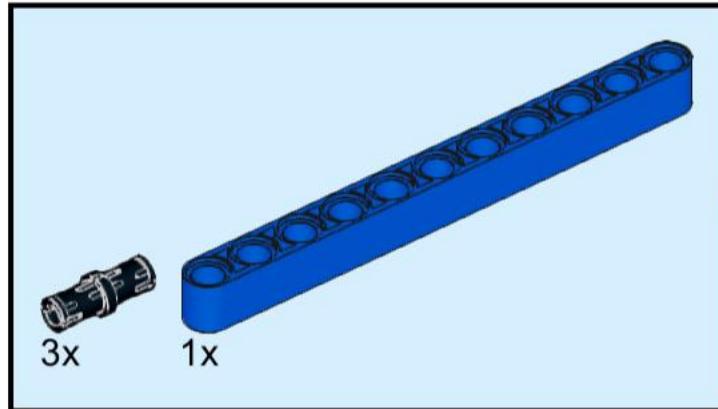
**113**



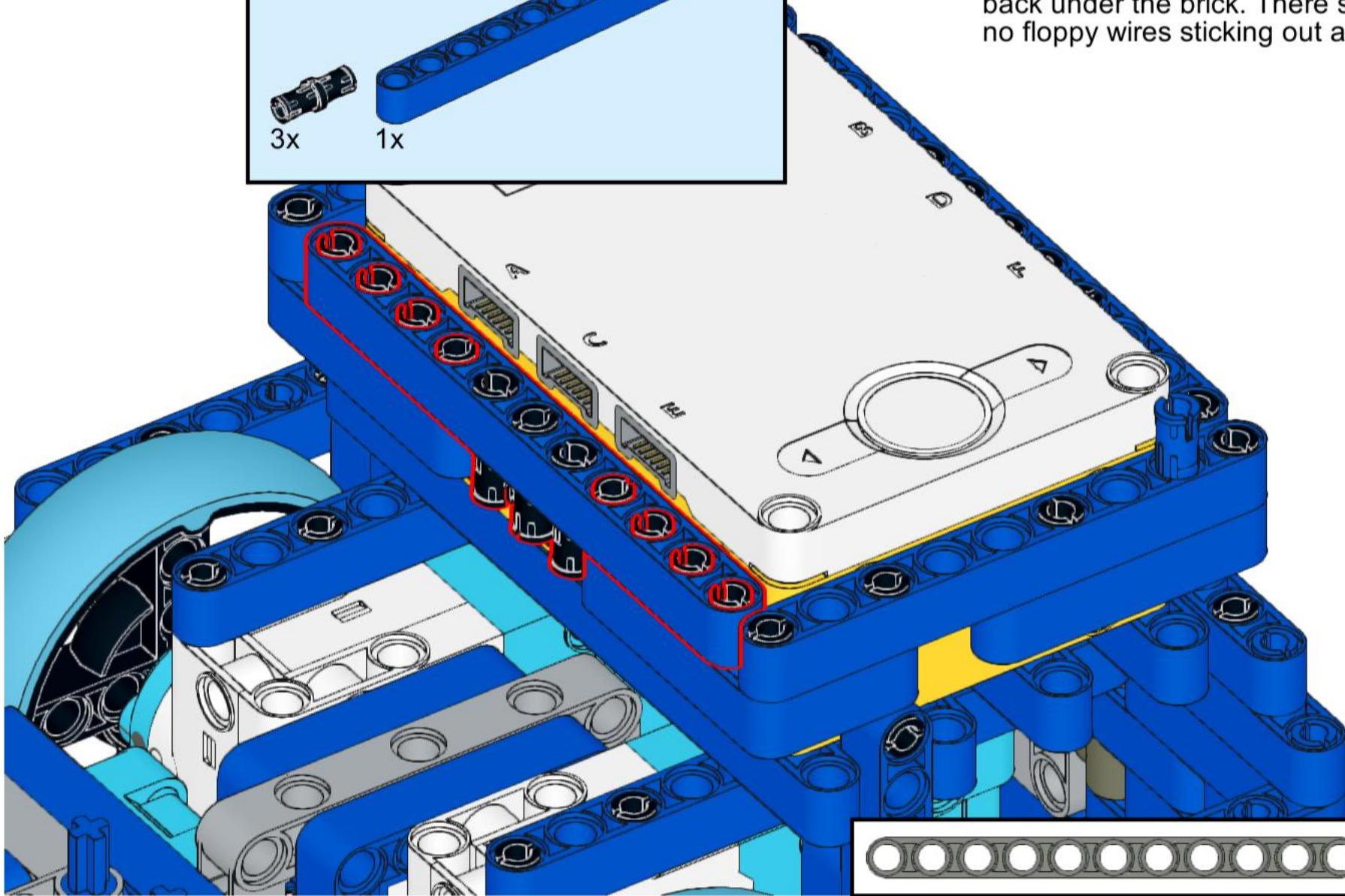
**114**



# 115

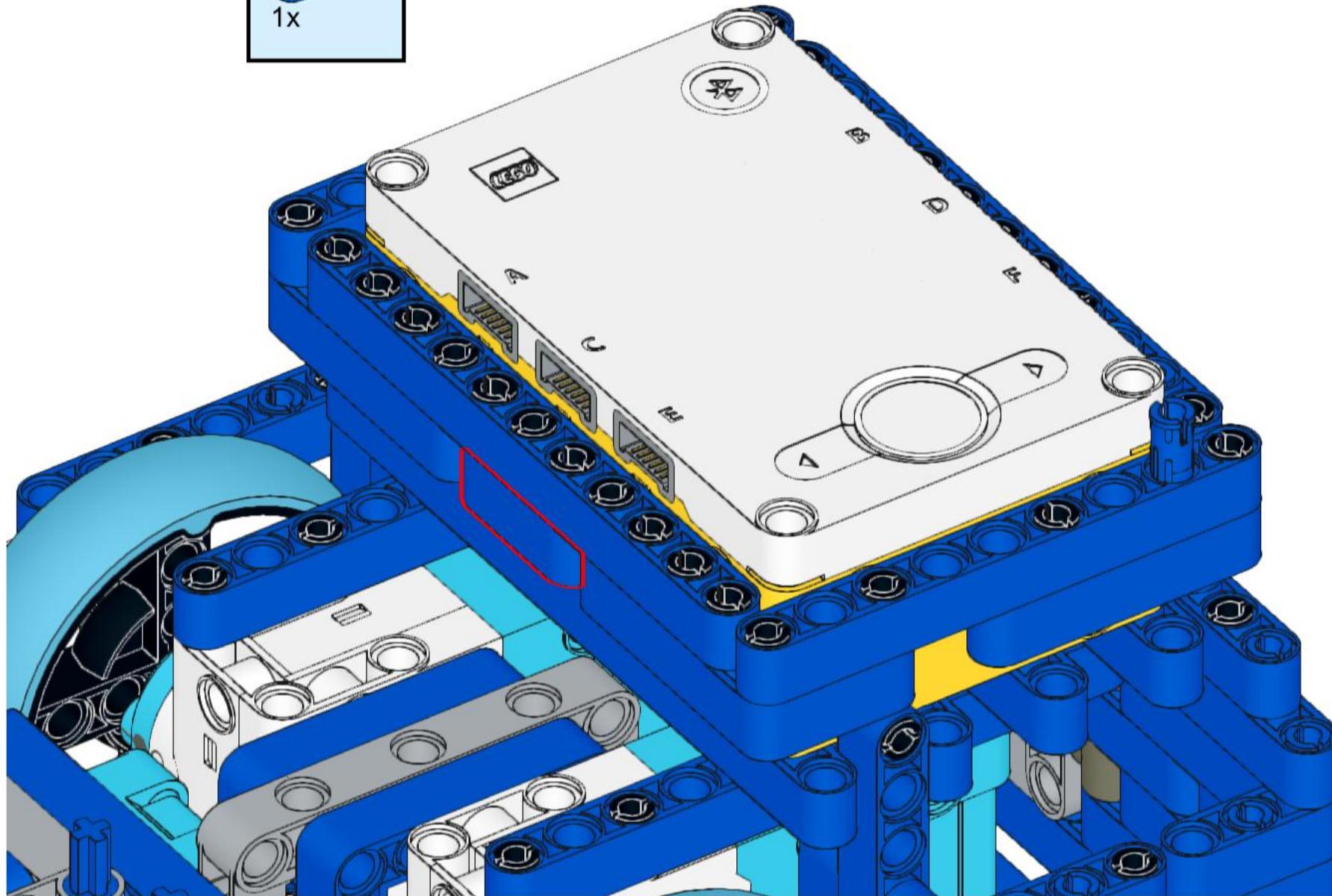
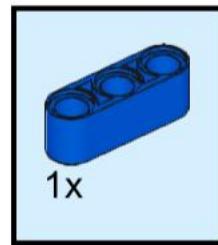


Again, you may need to unplug the wires temporarily to get this beam in place. Once you have it done, carefully get all of the wires tucked back under the brick. There should be no floppy wires sticking out anywhere.

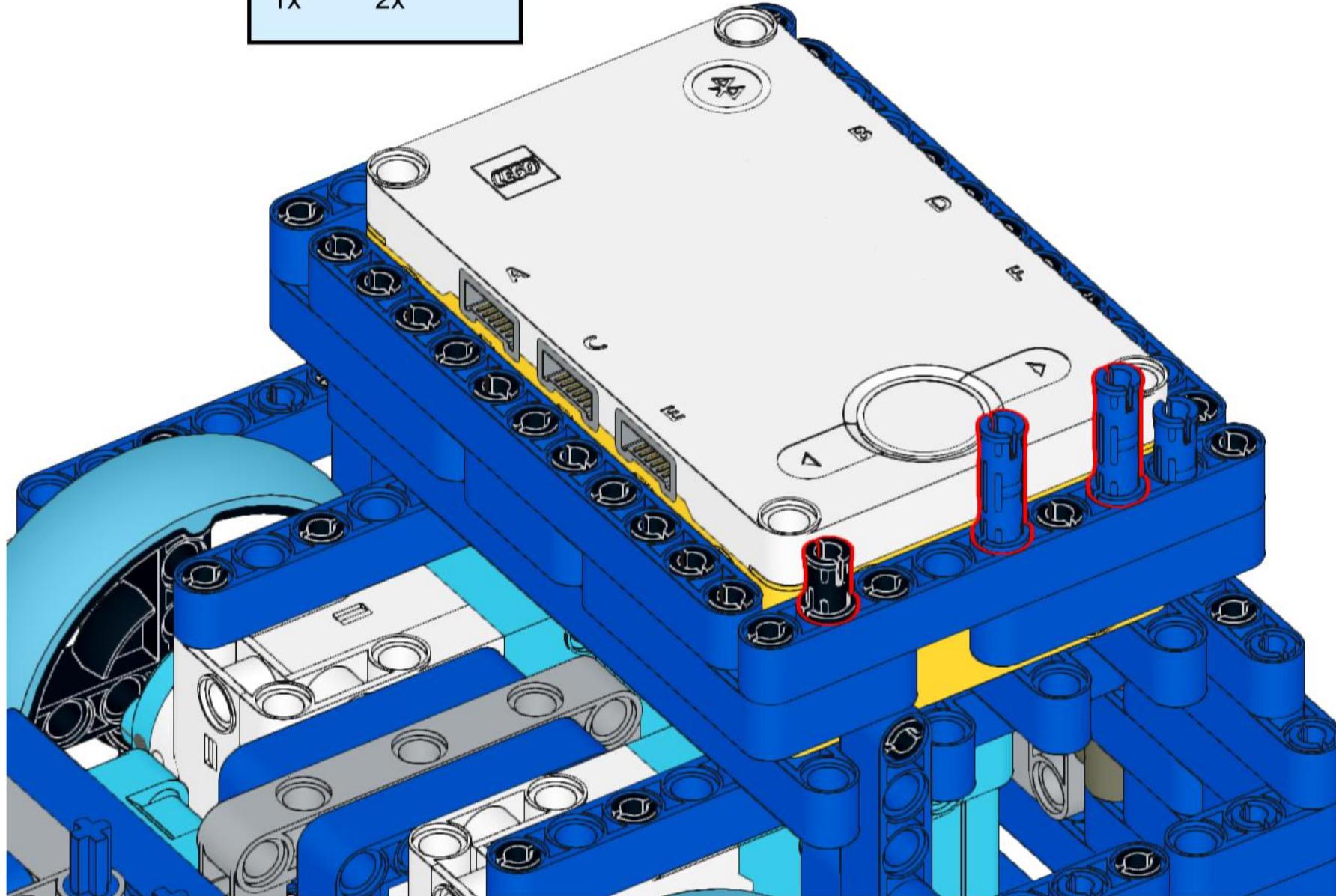
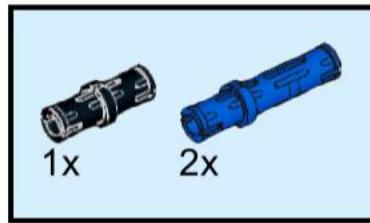


11 1:1

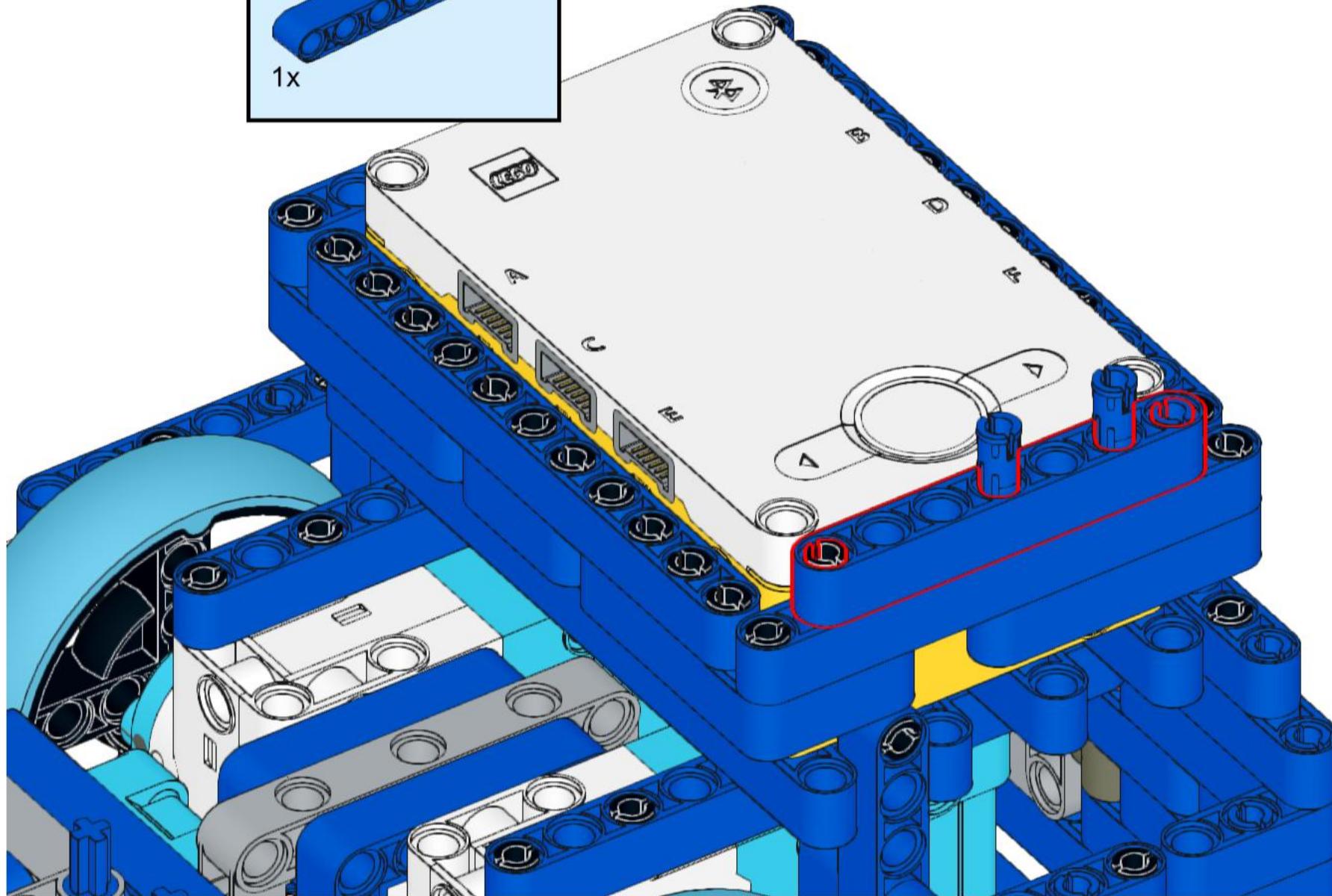
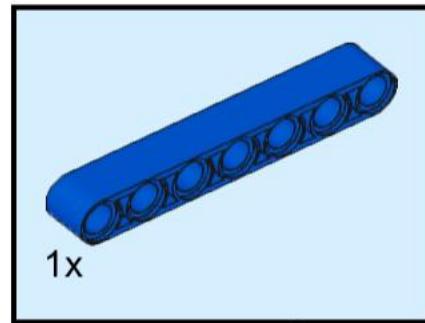
**116**



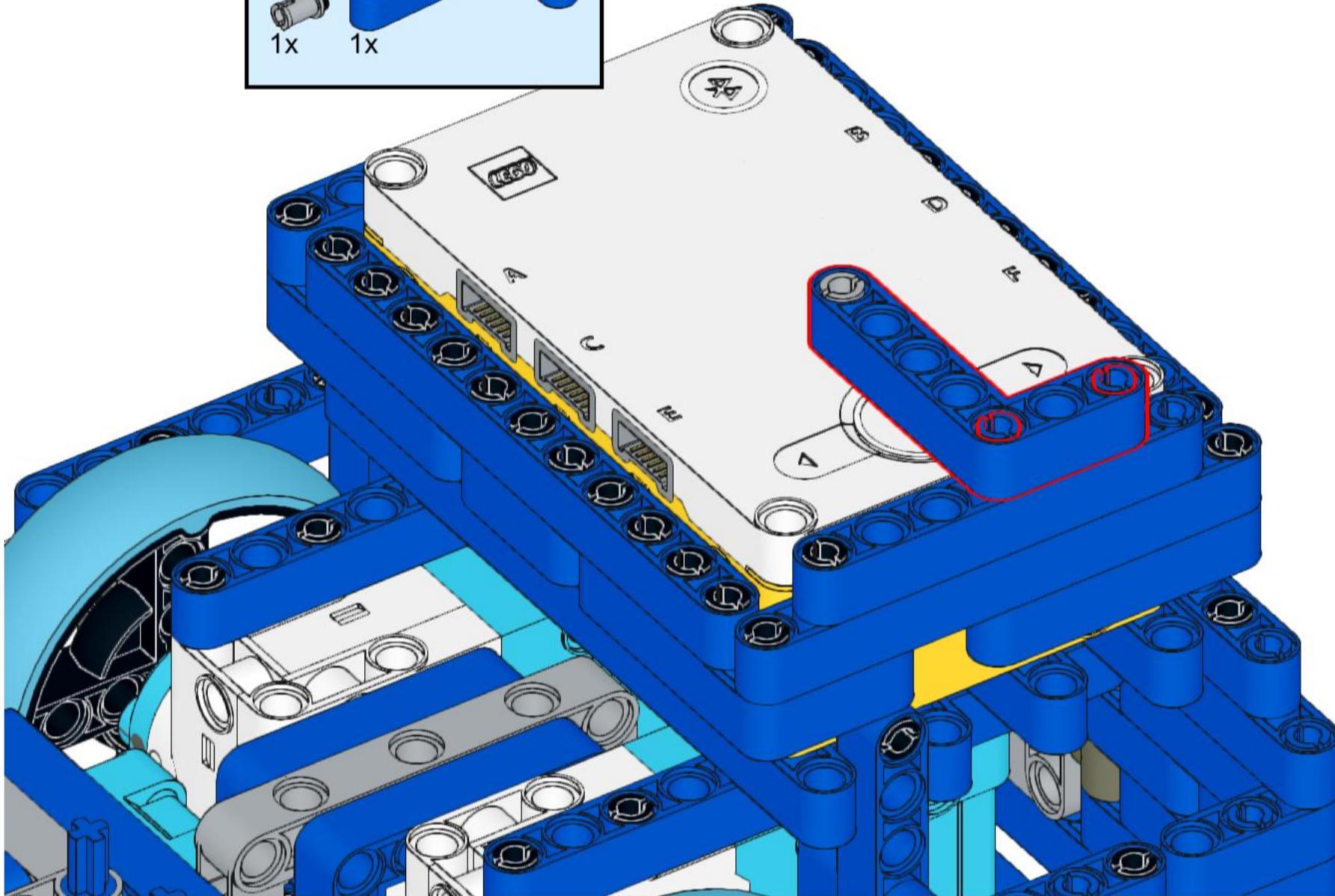
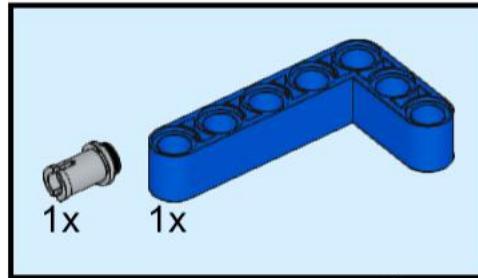
**117**



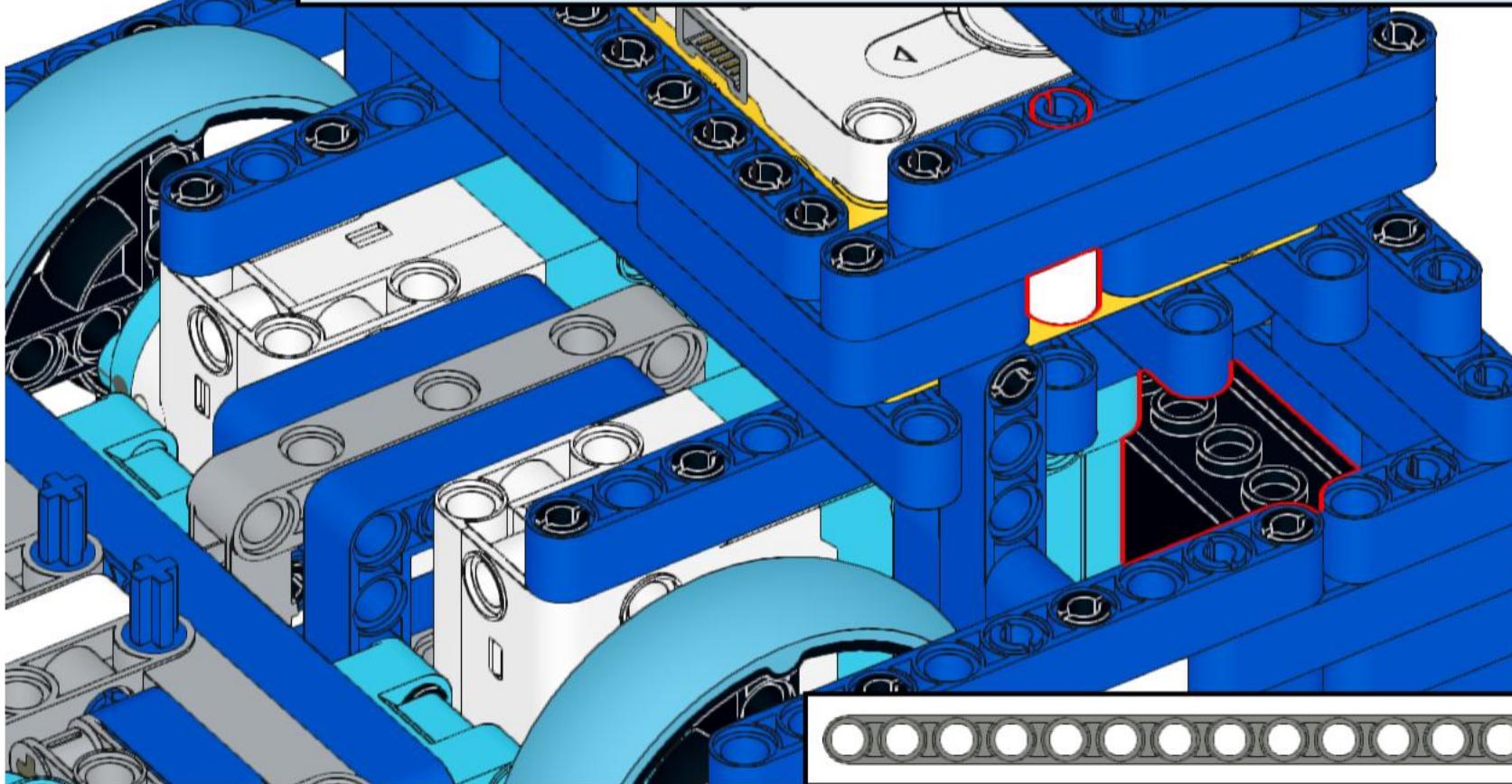
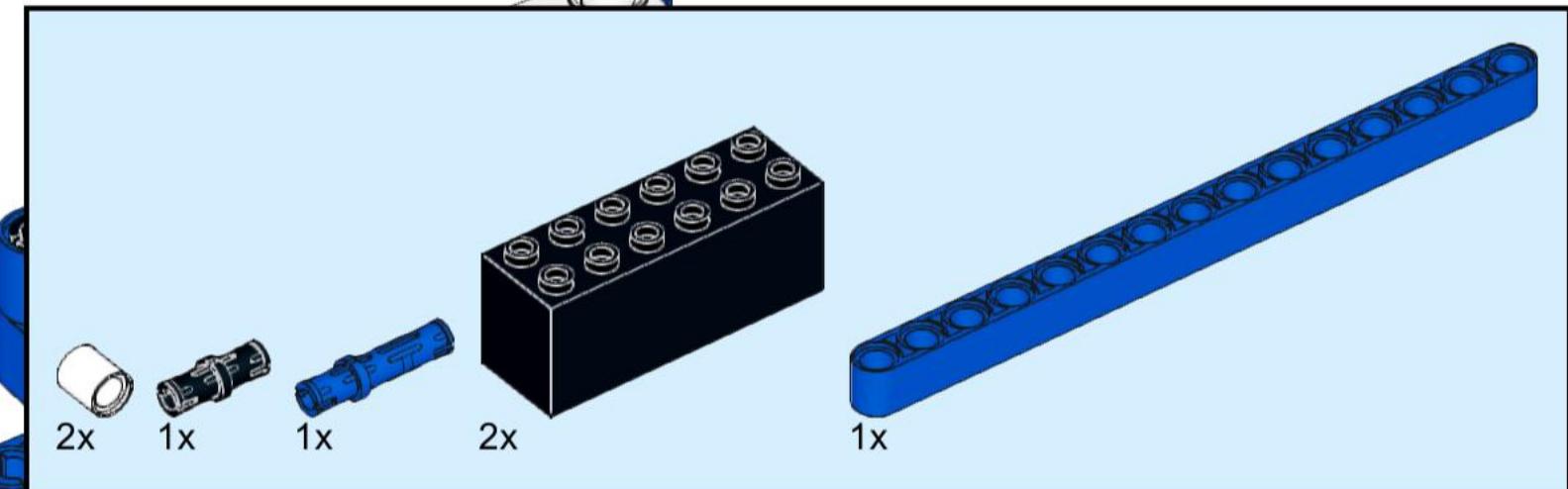
**118**



**119**



120



15 1:1



116x  
2780  
Black



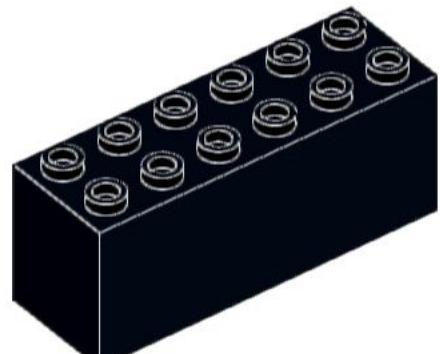
2x  
15100  
Black



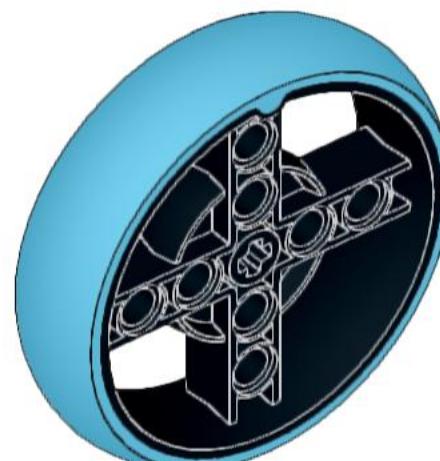
3x  
3705  
Black



1x  
37308c01  
Black



2x  
73090b  
Black



2x  
39367pb01  
Black



4x  
15100  
Dark Gray



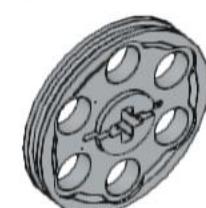
8x  
11214  
Dark Gray



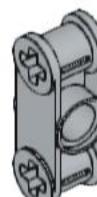
1x  
4274  
Light Bluish Gray



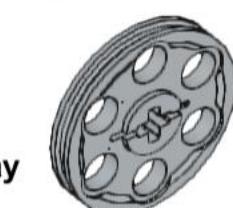
2x  
87082  
Light Bluish Gray



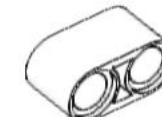
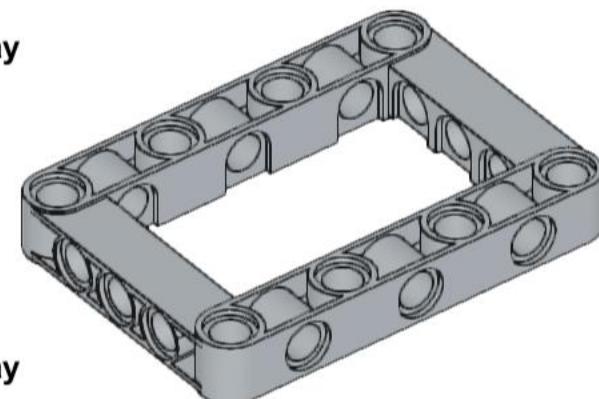
1x  
3713  
Light Bluish Gray



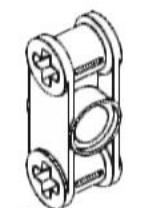
4x  
32184  
Light Bluish Gray



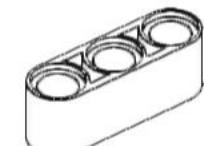
2x  
4185  
Light Bluish Gray



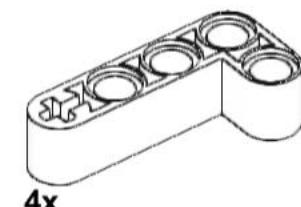
2x  
43857  
White



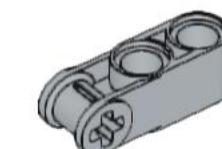
2x  
32184  
White



4x  
32523  
White



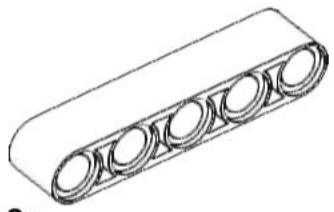
4x  
32140  
White



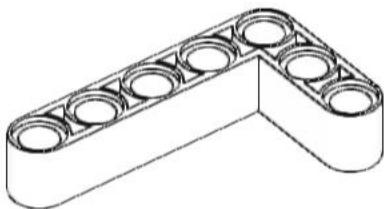
2x  
42003  
Light Bluish Gray



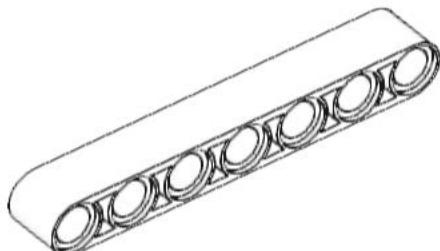
2x  
18654  
White



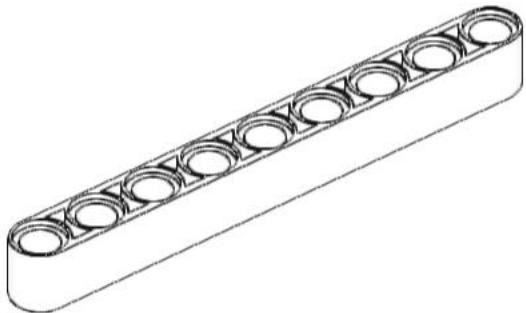
2x  
32316  
White



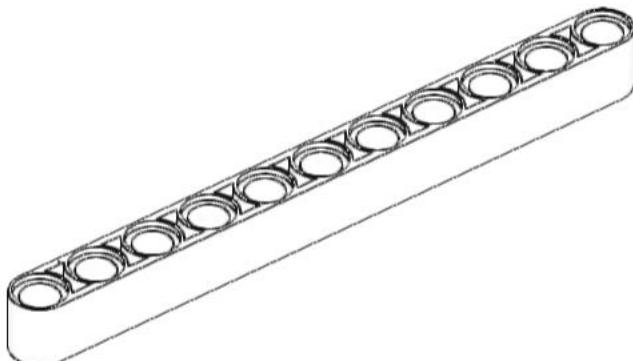
6x  
32526  
White



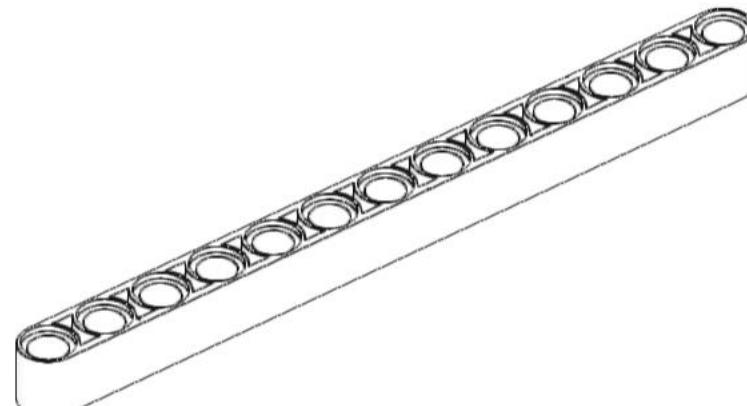
1x  
32524  
White



1x  
40490  
White



4x  
32525  
White



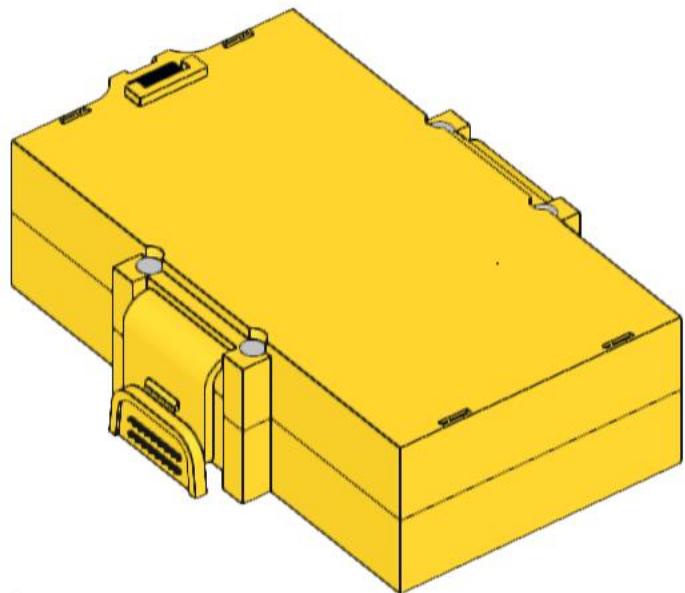
2x  
41239  
White



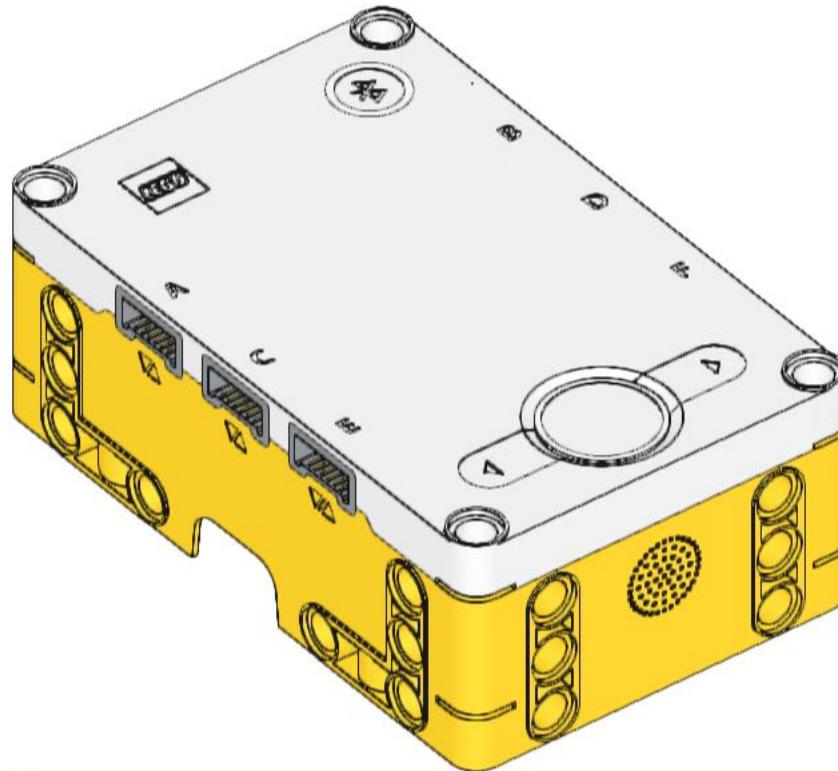
2x  
11214  
Red



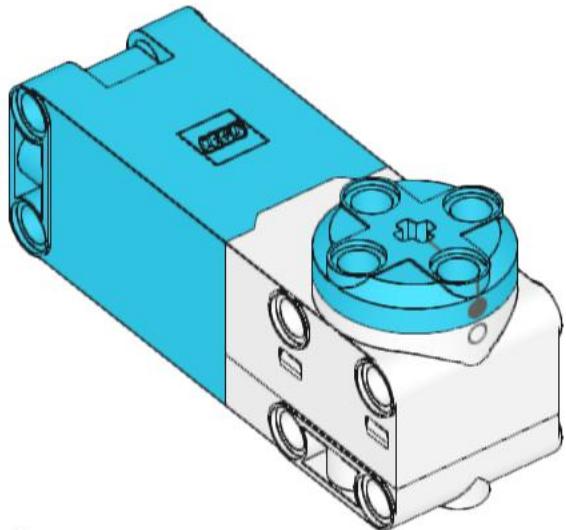
2x  
4265c  
Yellow



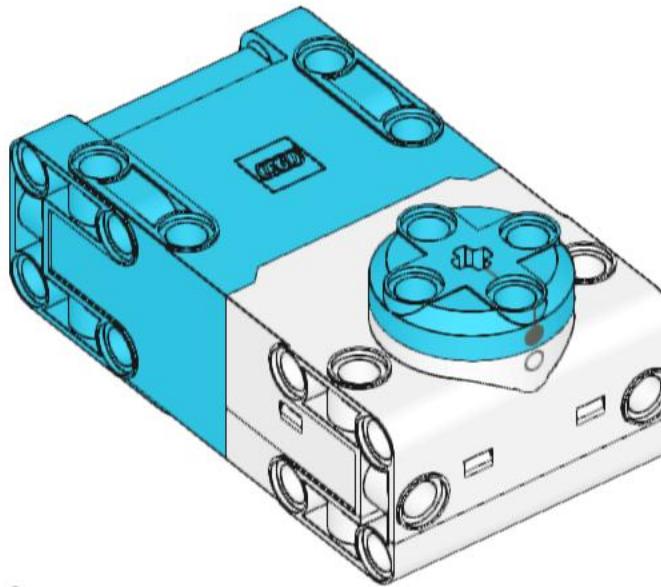
1x  
55422c01  
Yellow



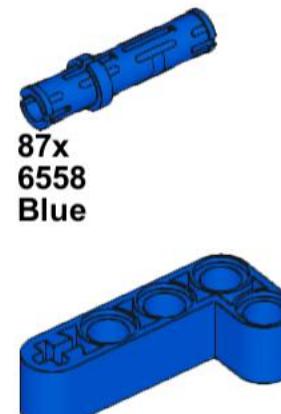
1x  
bb1142c01  
Yellow



2x  
54696c01  
Medium Azure



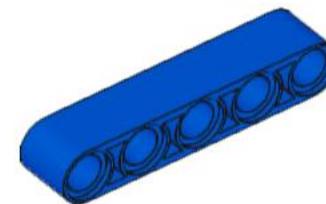
2x  
54675c01  
Medium Azure



87x  
65558  
Blue



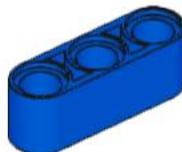
2x  
32140  
Blue



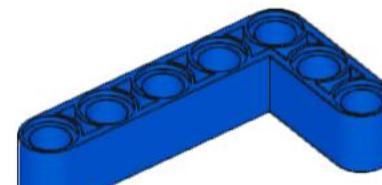
10x  
32316  
Blue



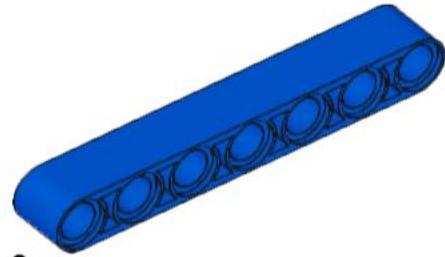
14x  
43093  
Blue



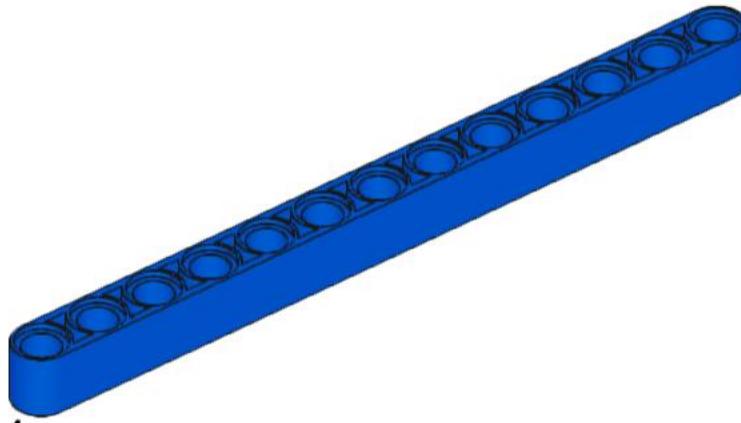
9x  
32523  
Blue



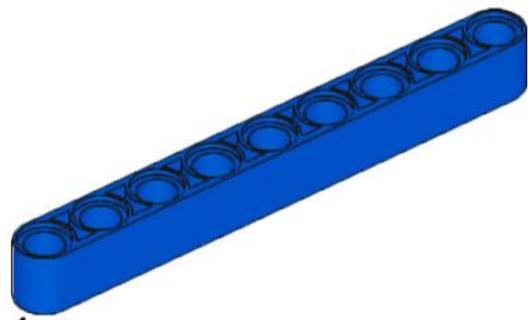
17x  
32526  
Blue



9x  
32524  
Blue



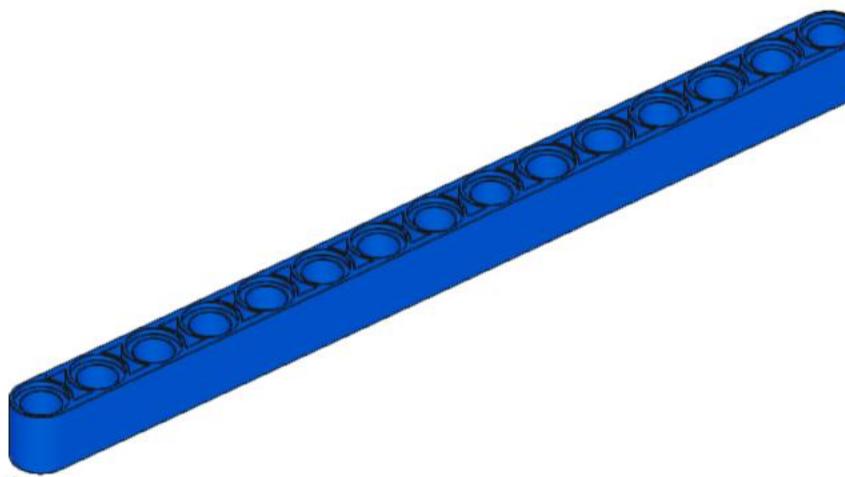
4x  
41239  
Blue



4x  
40490  
Blue



5x  
32525  
Blue



3x  
32278  
Blue