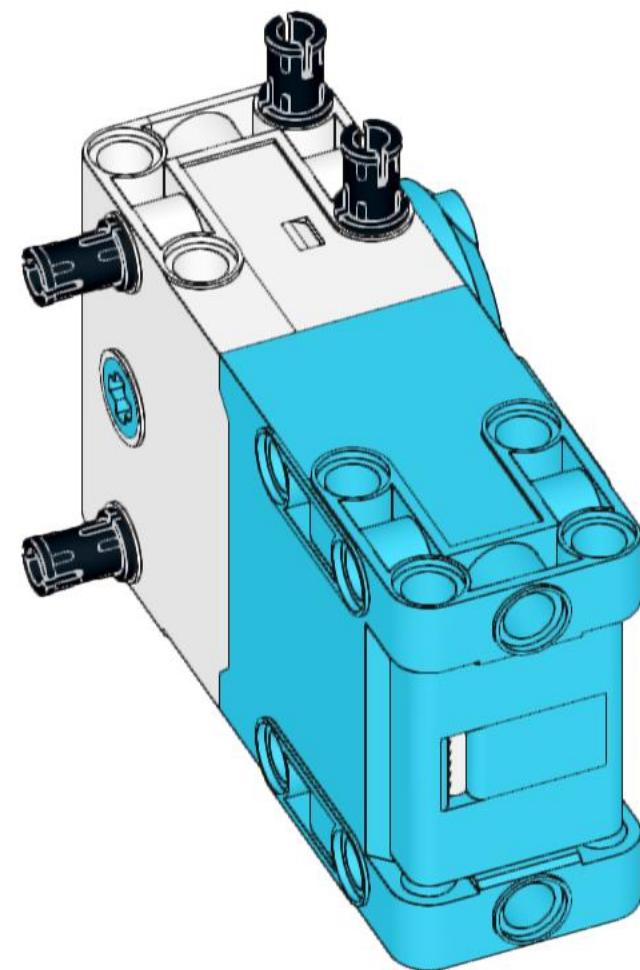
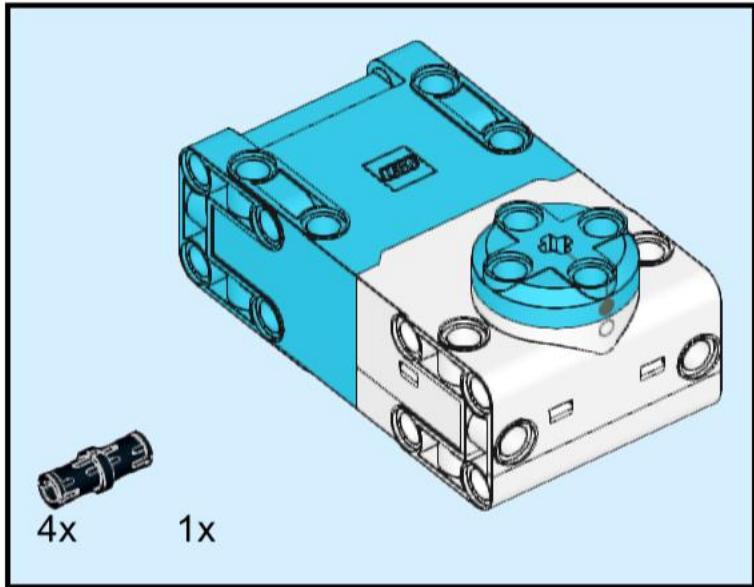
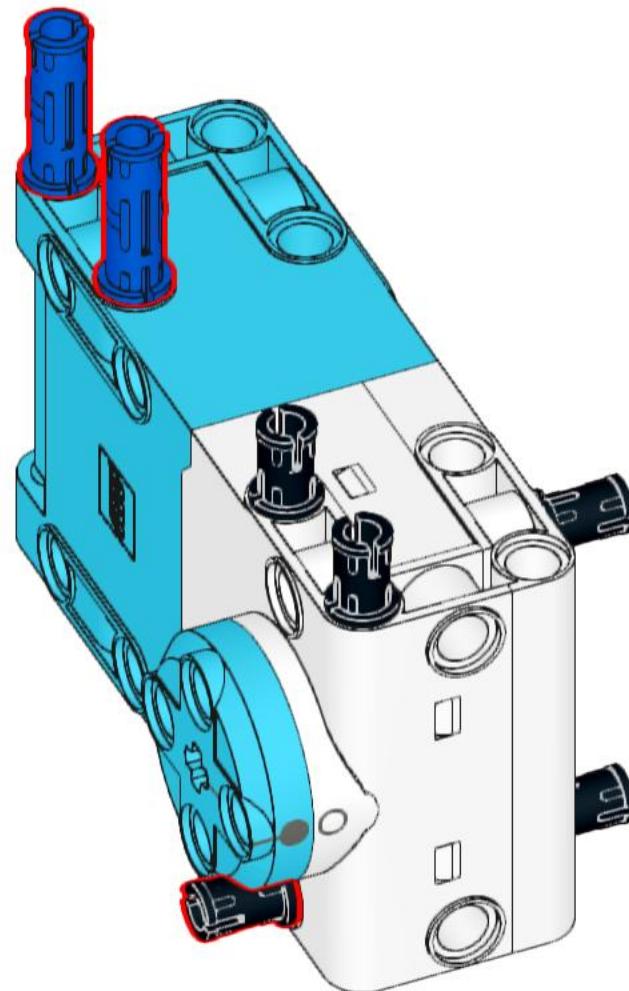
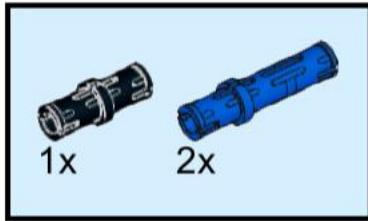


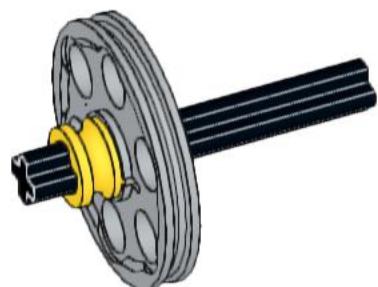
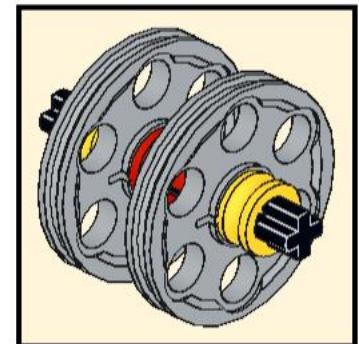
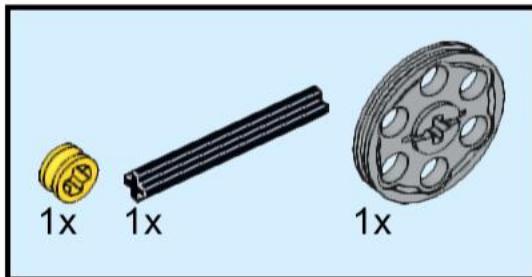
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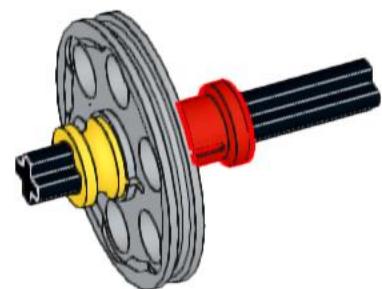
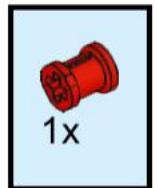
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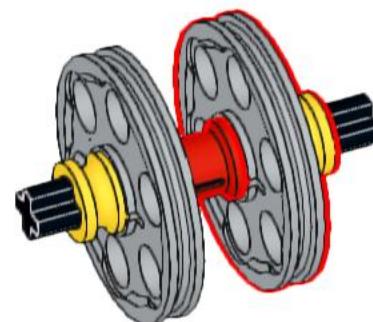
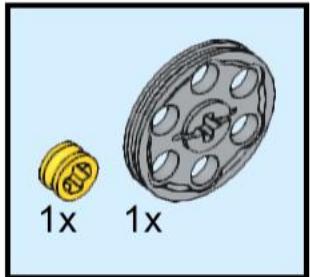
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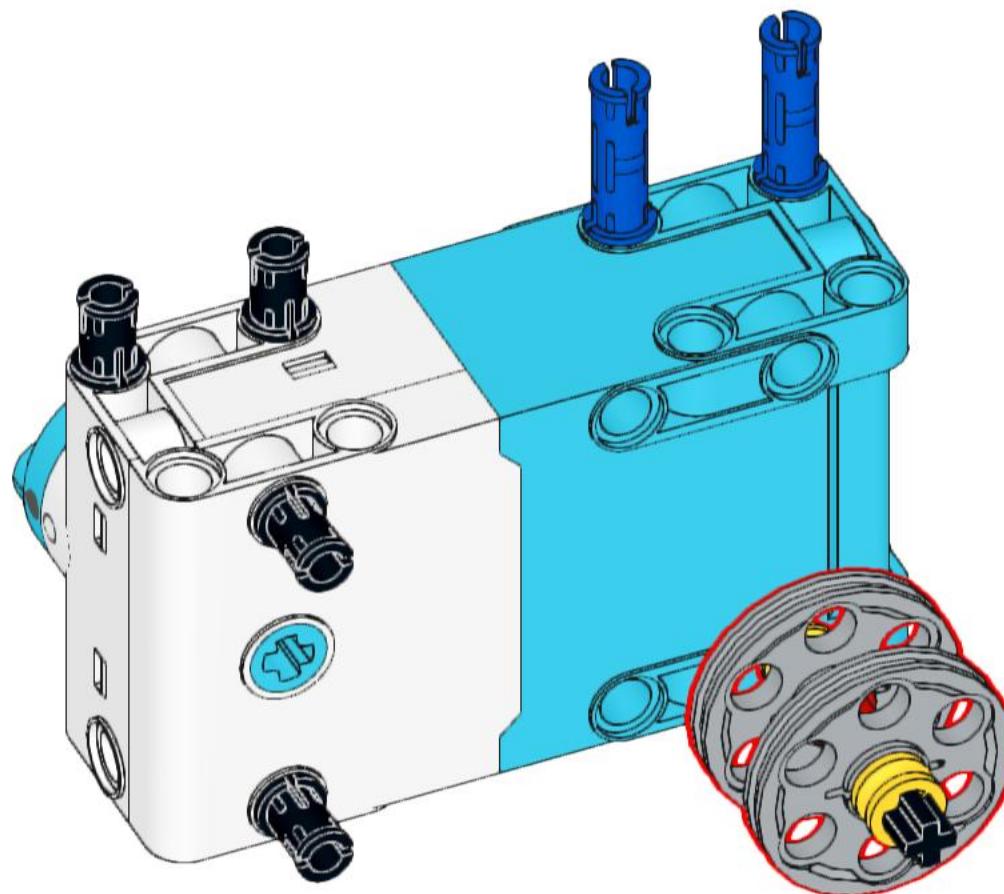
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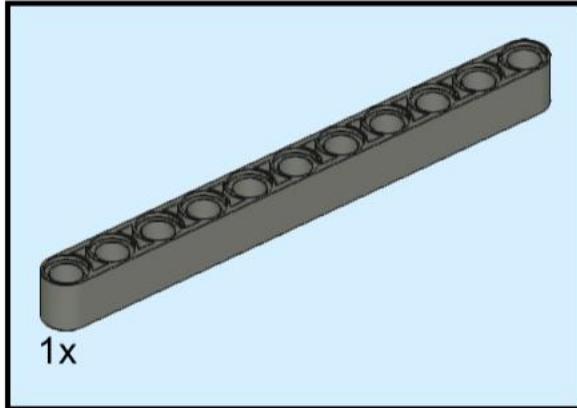
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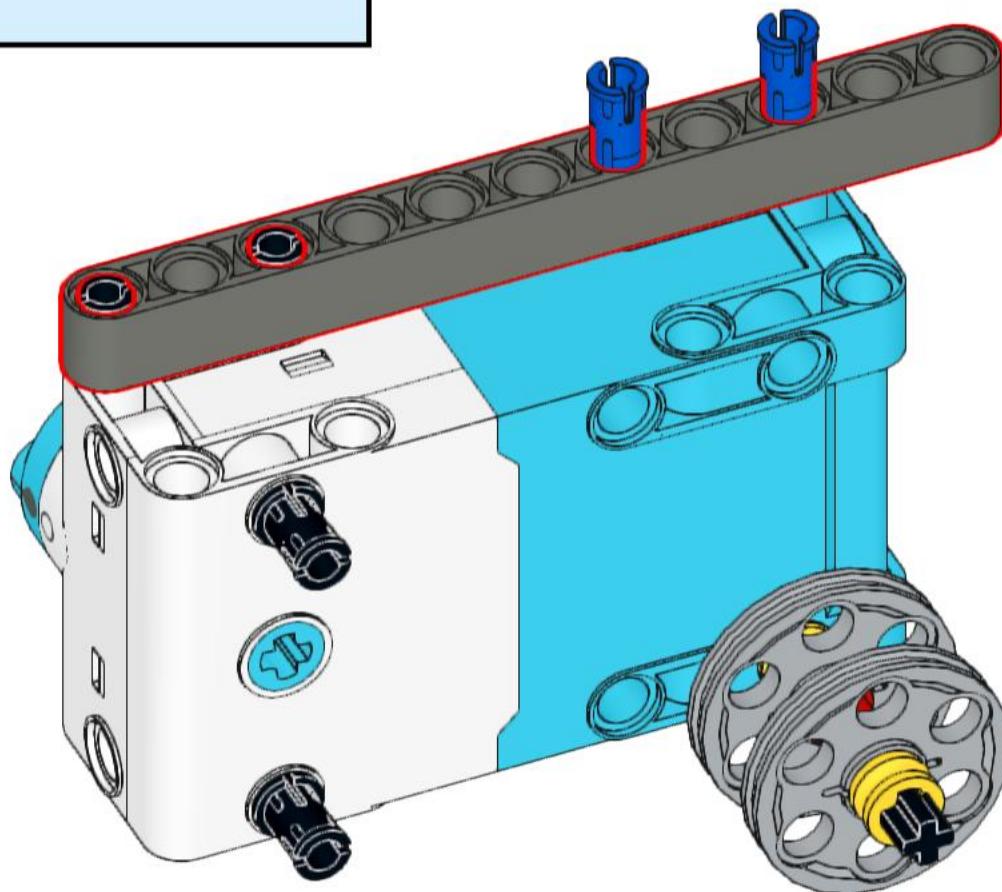
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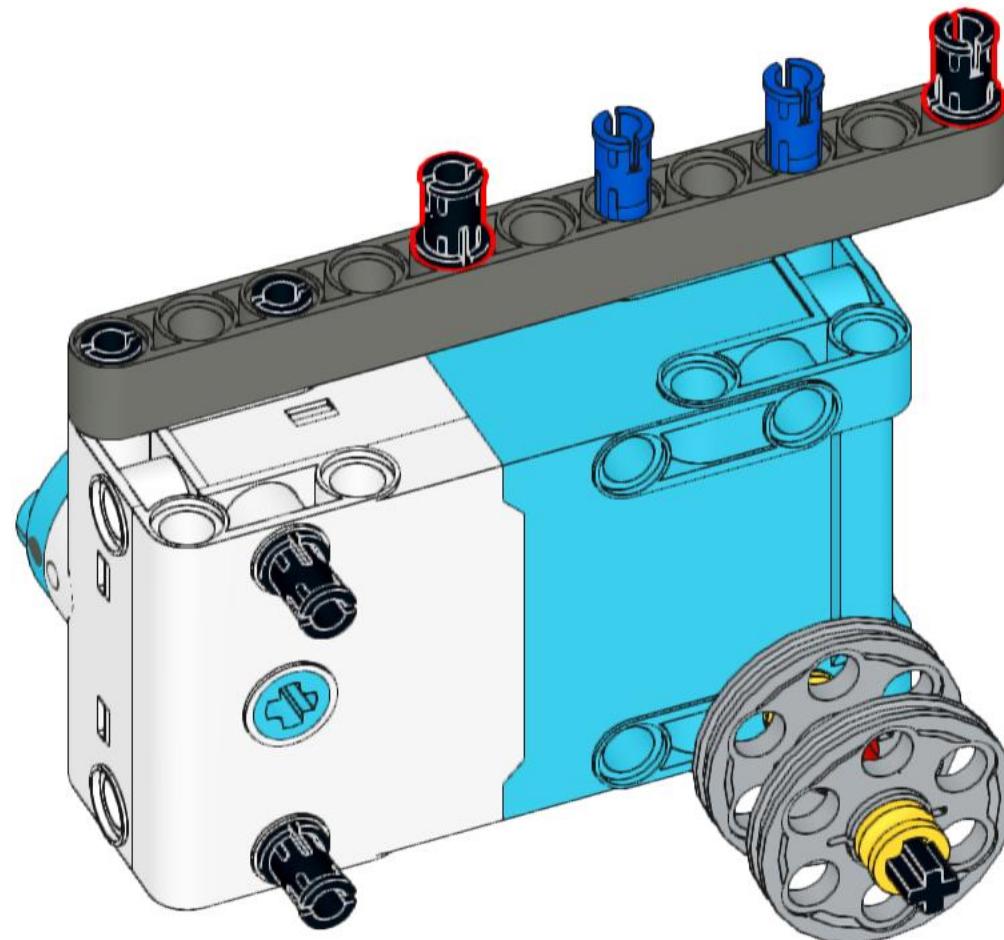
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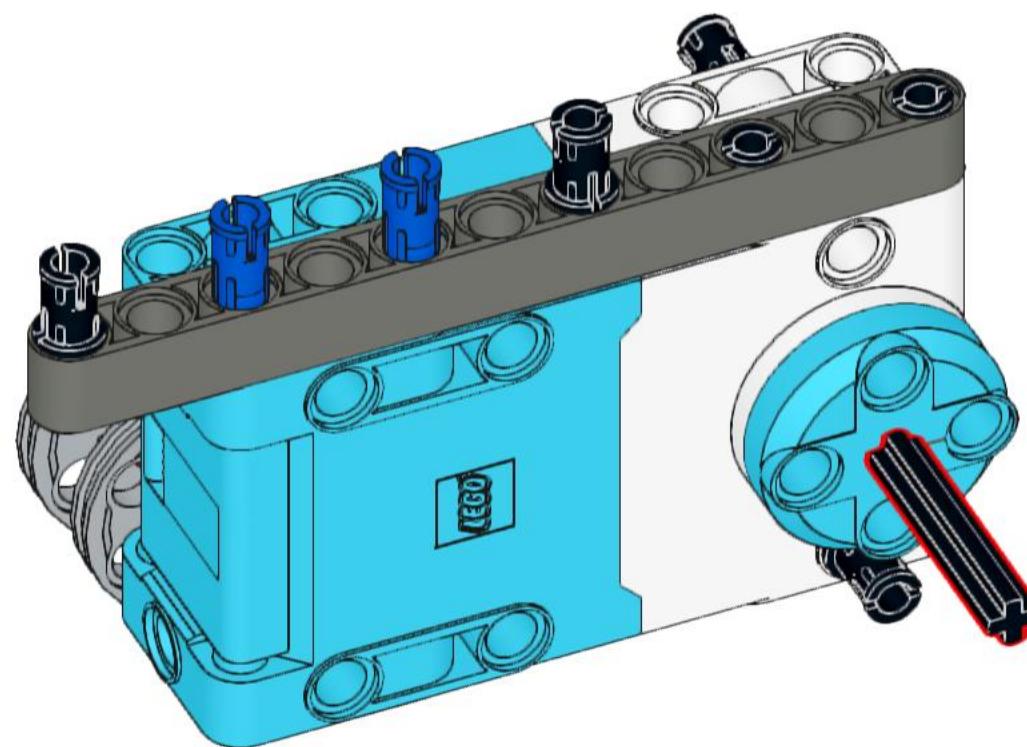
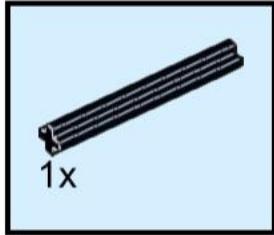
Remember to save the four colored beams until near the end. I'll remind you when to use them



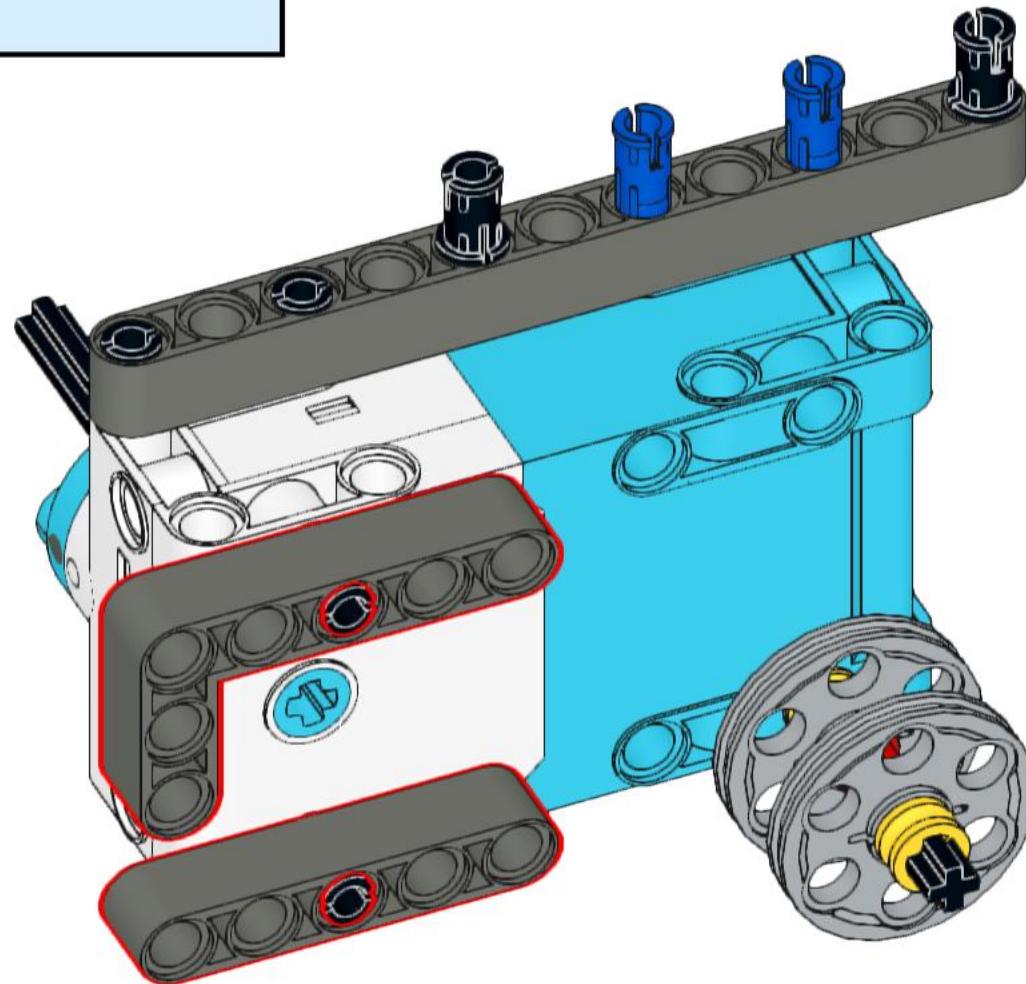
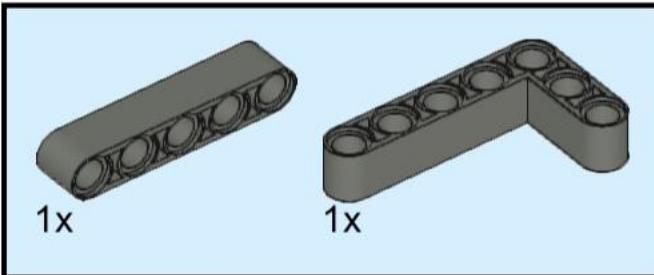
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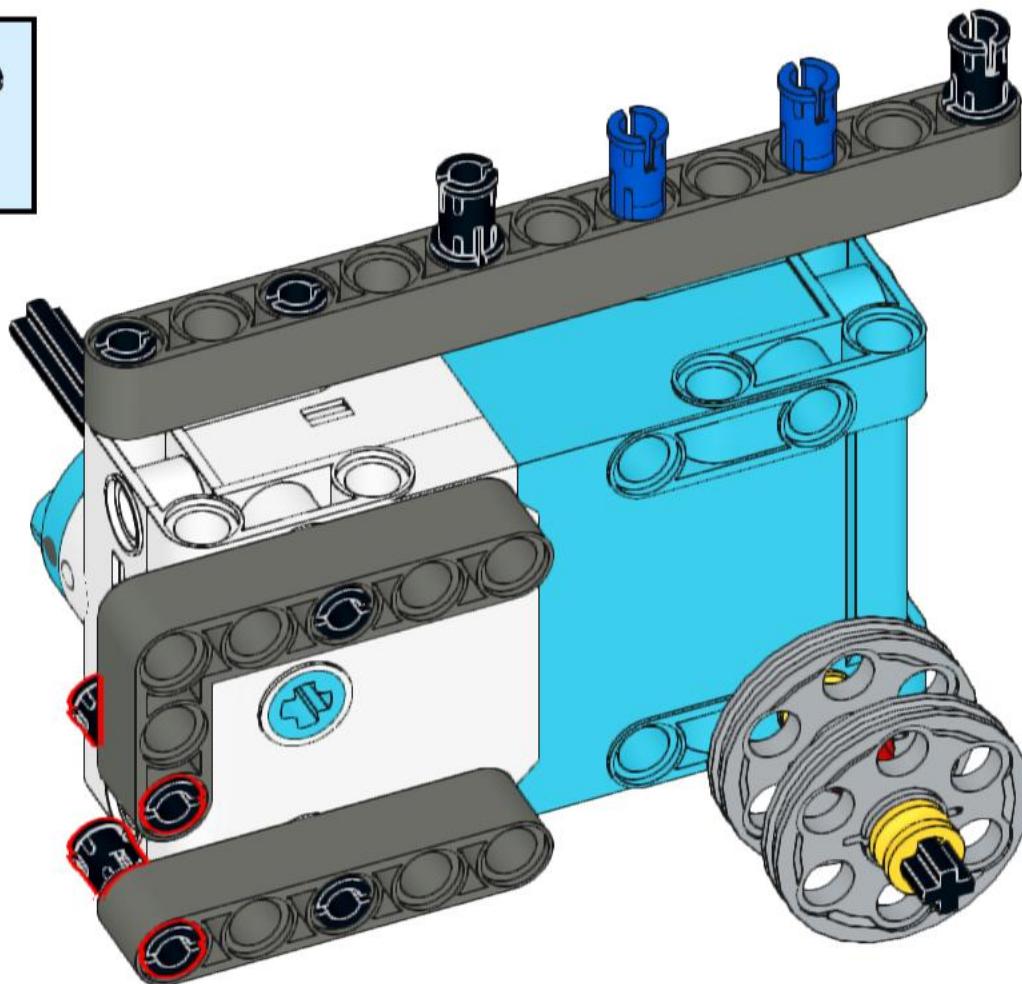
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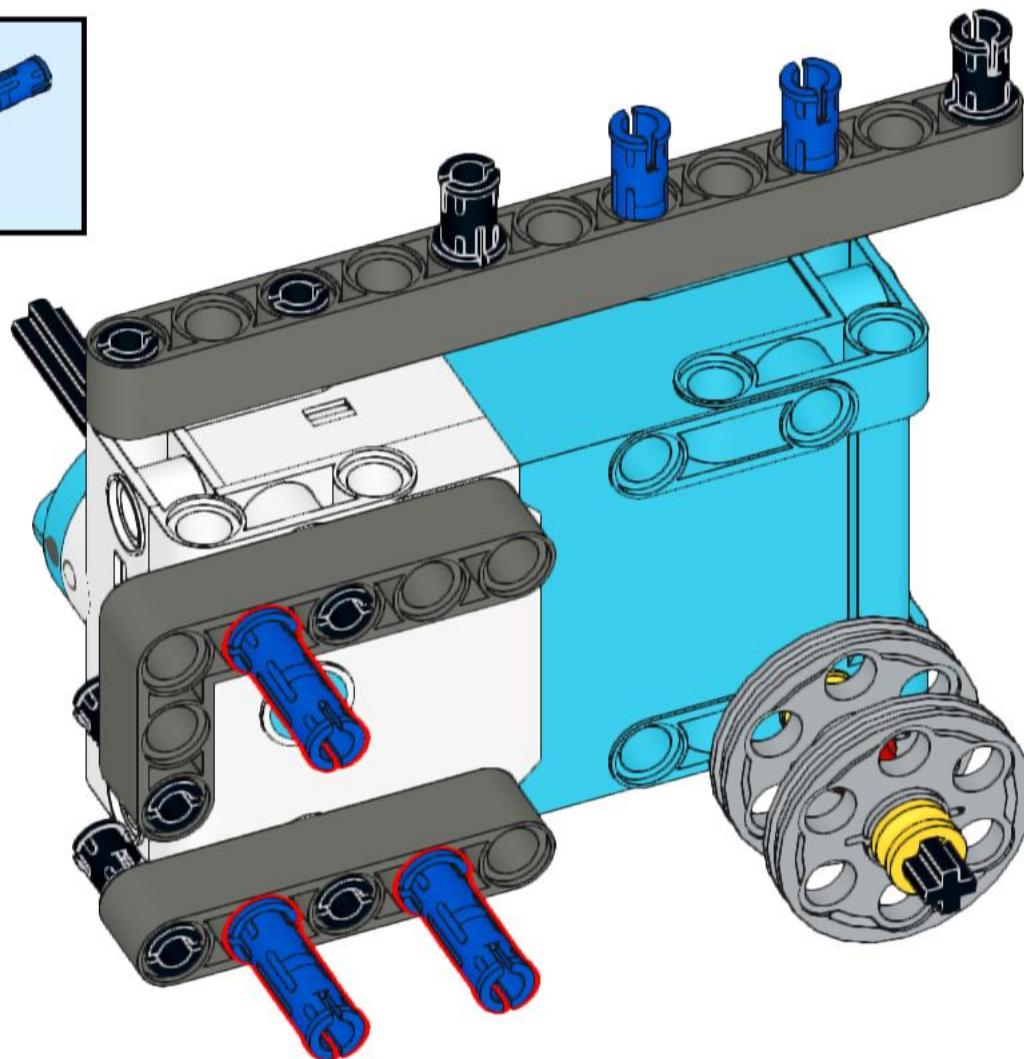
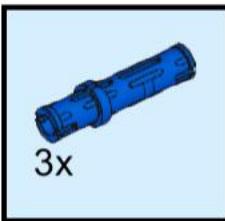
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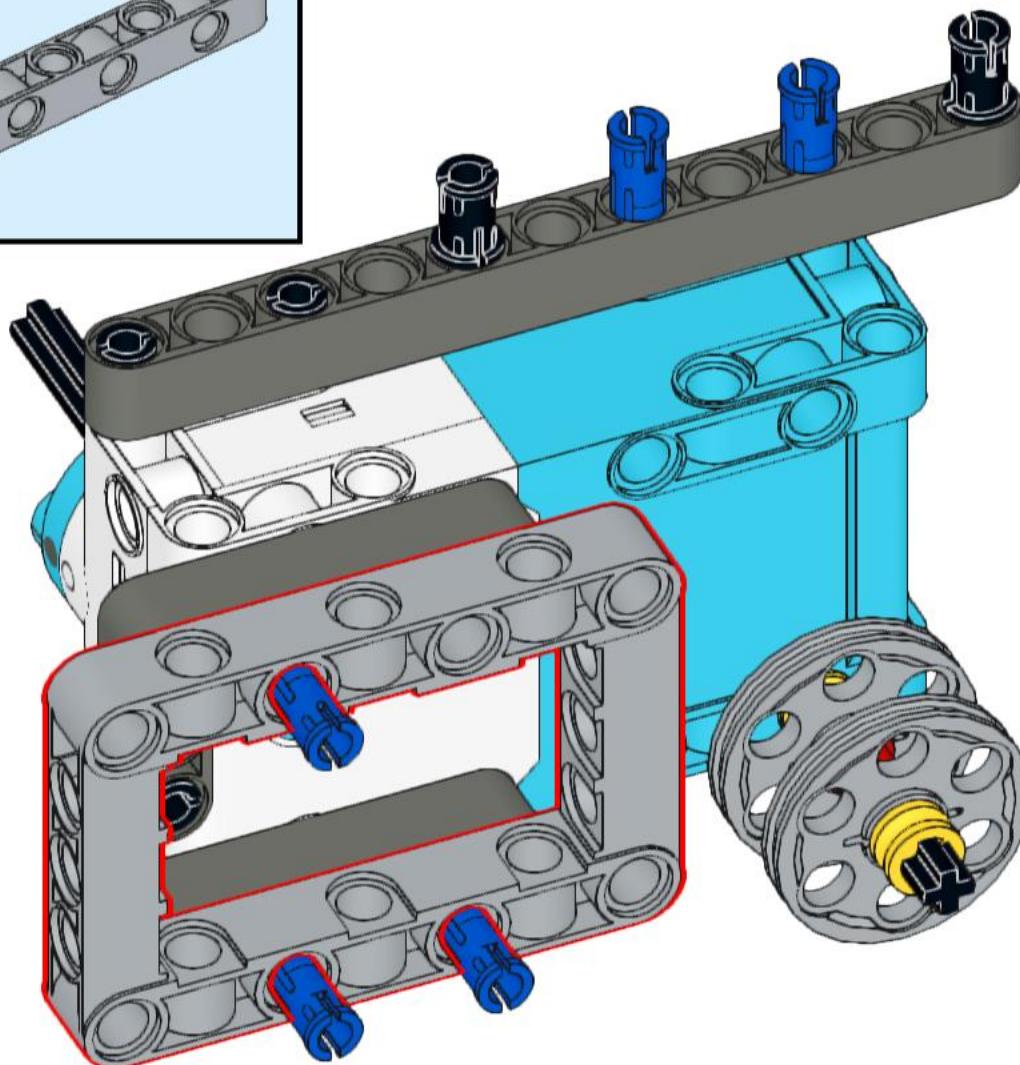
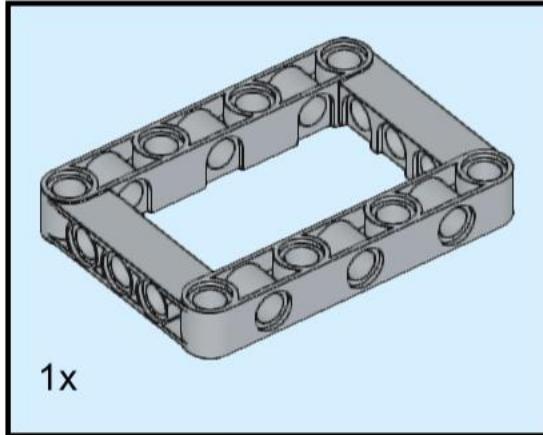
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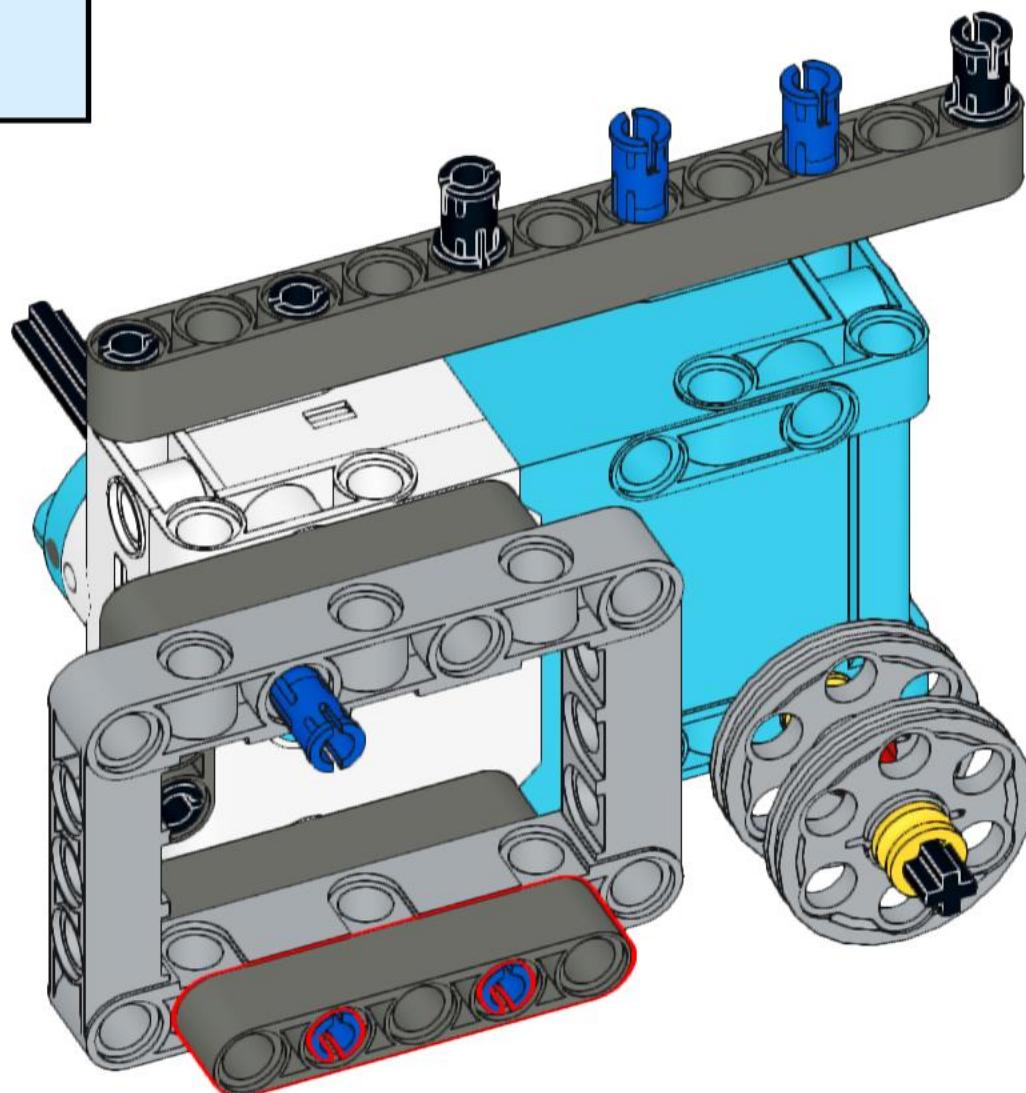
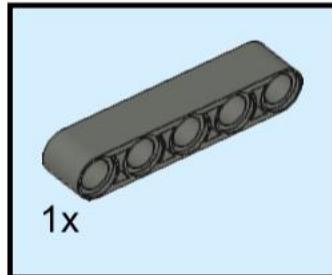
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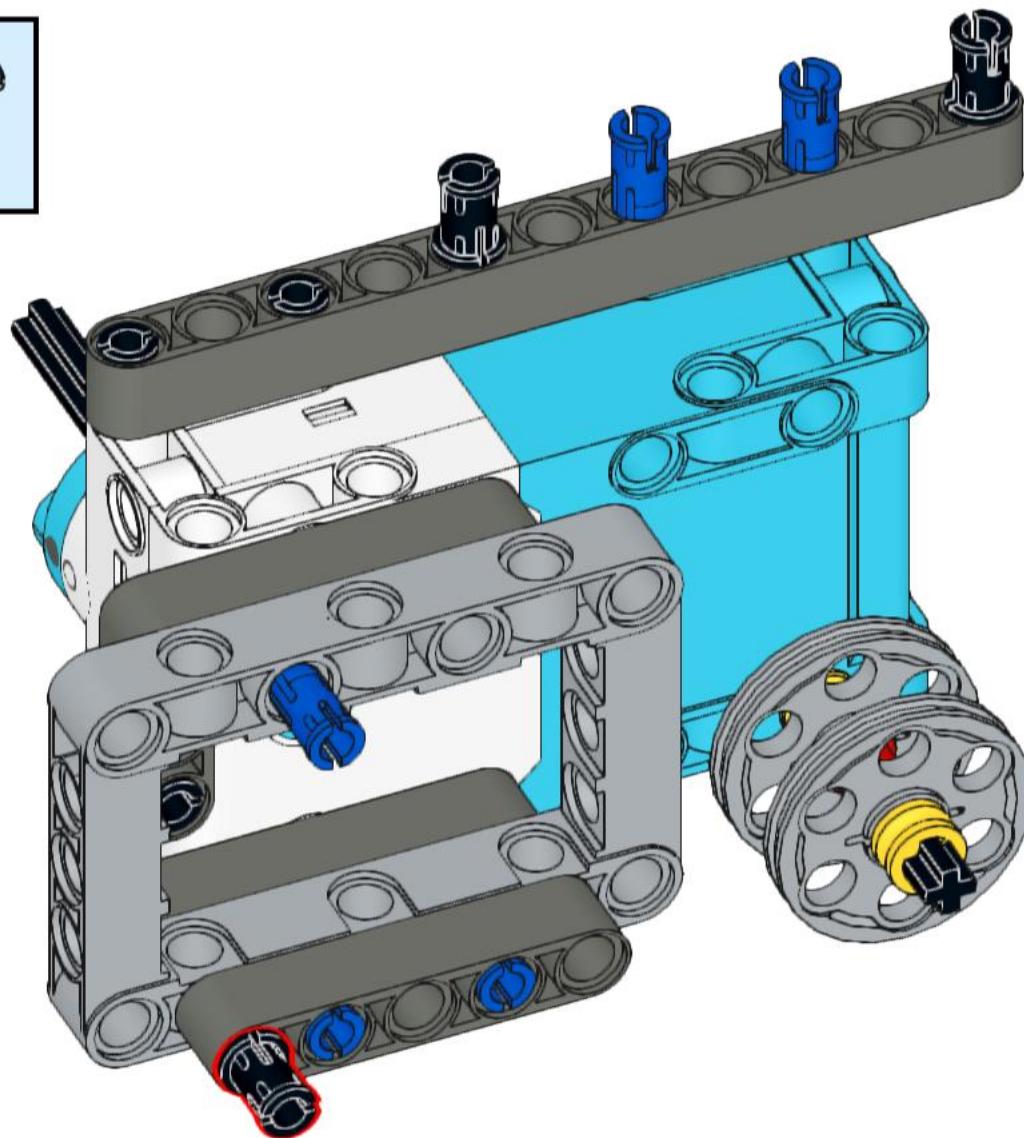
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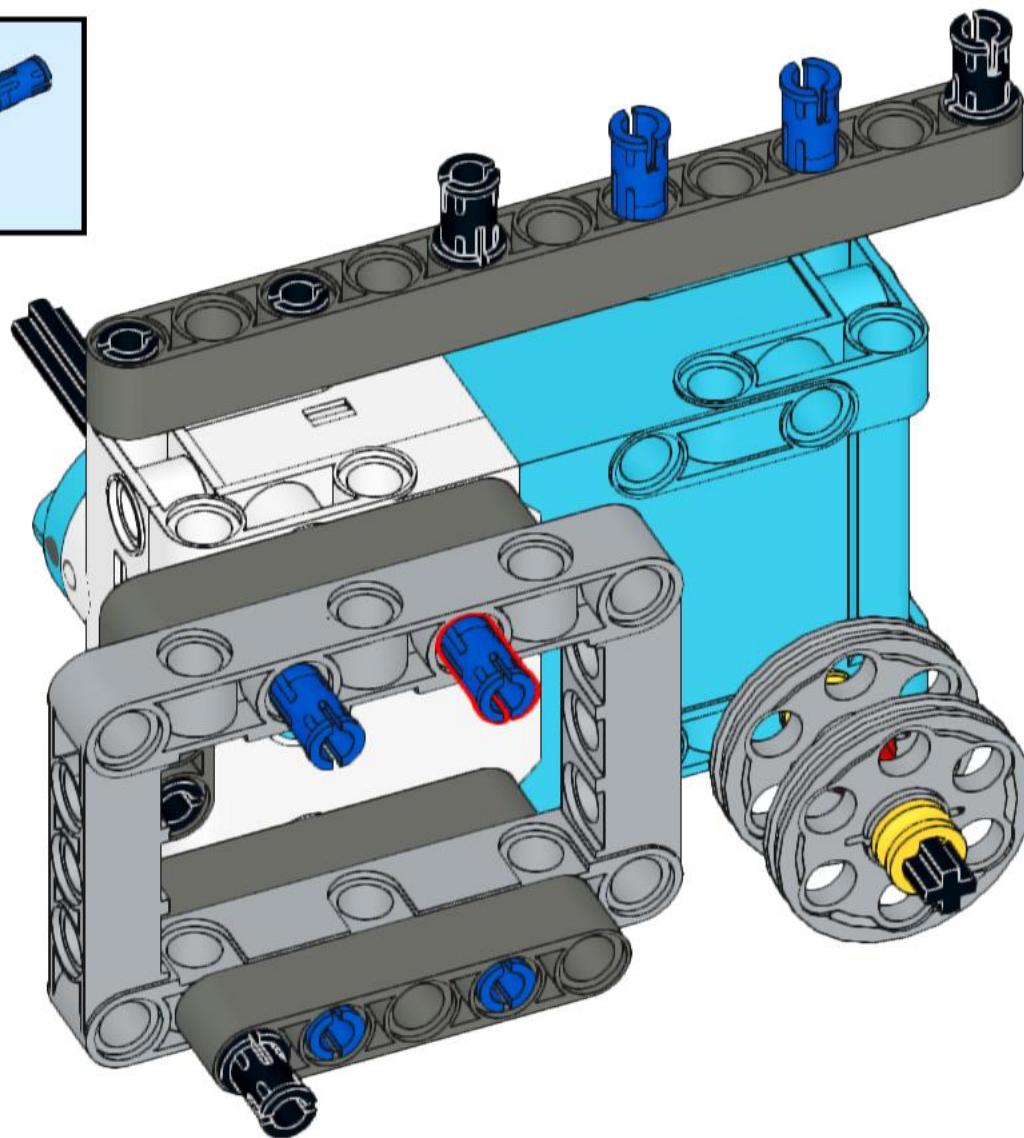
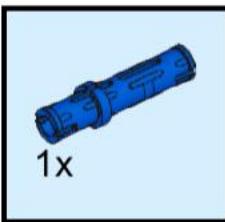
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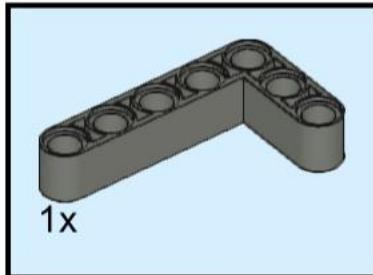
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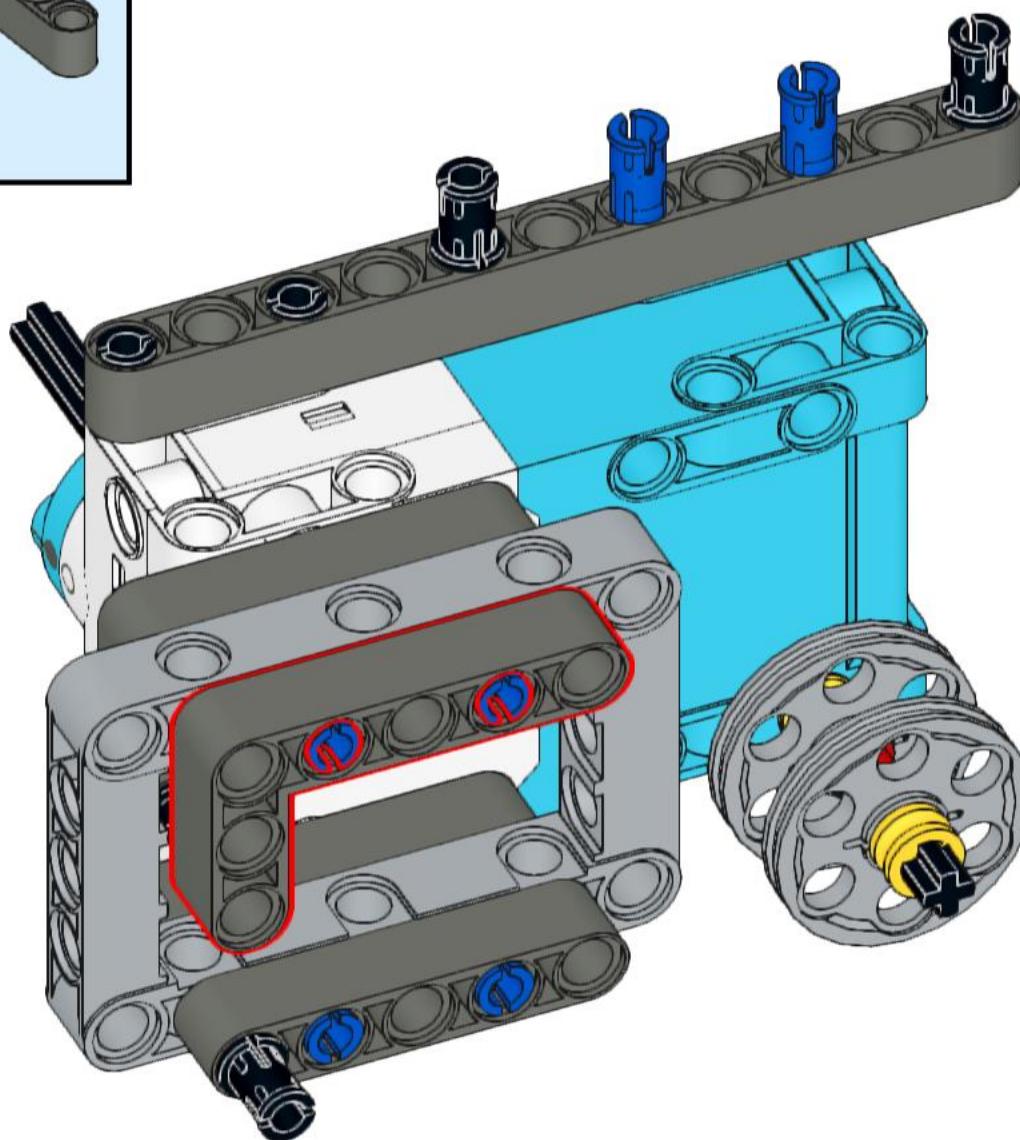
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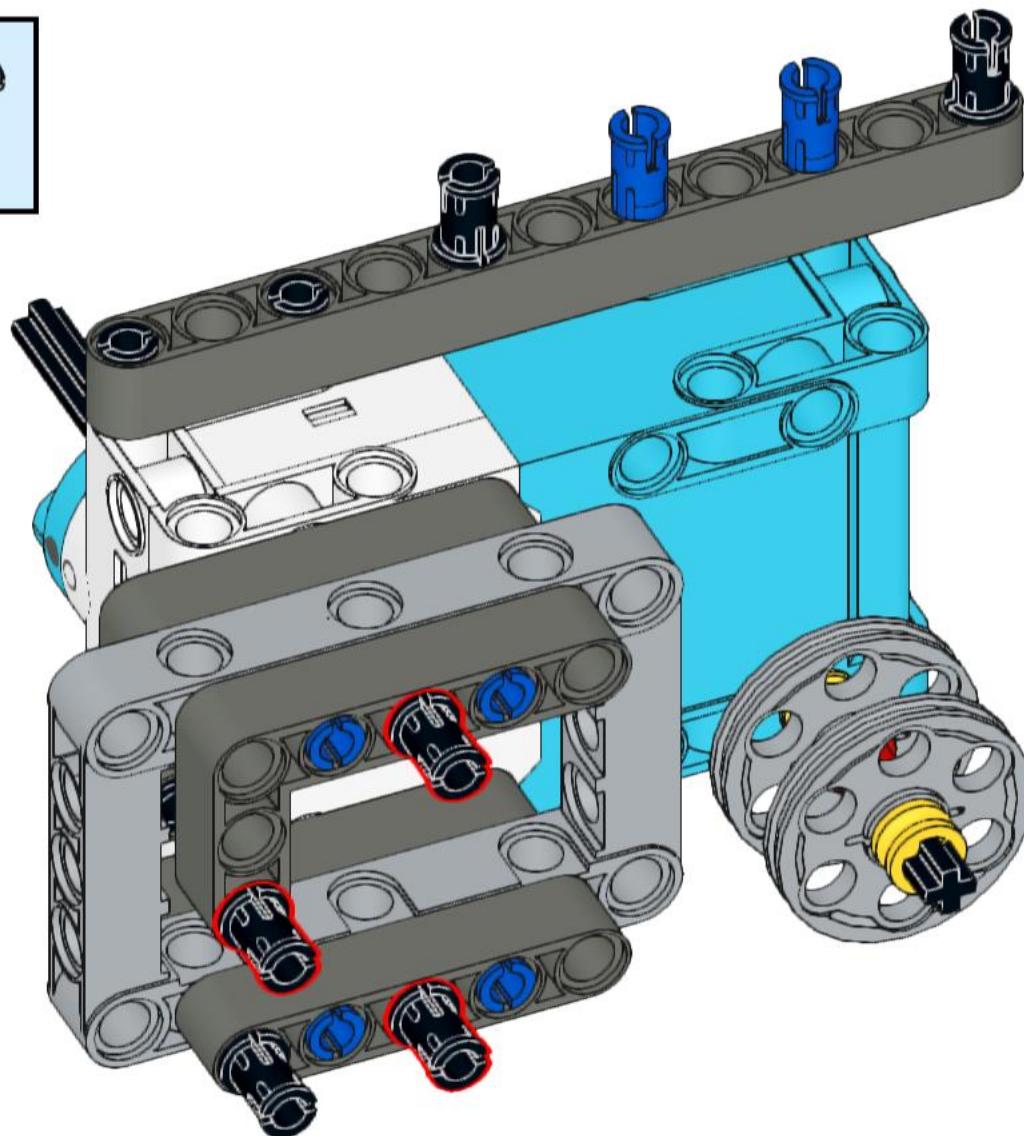
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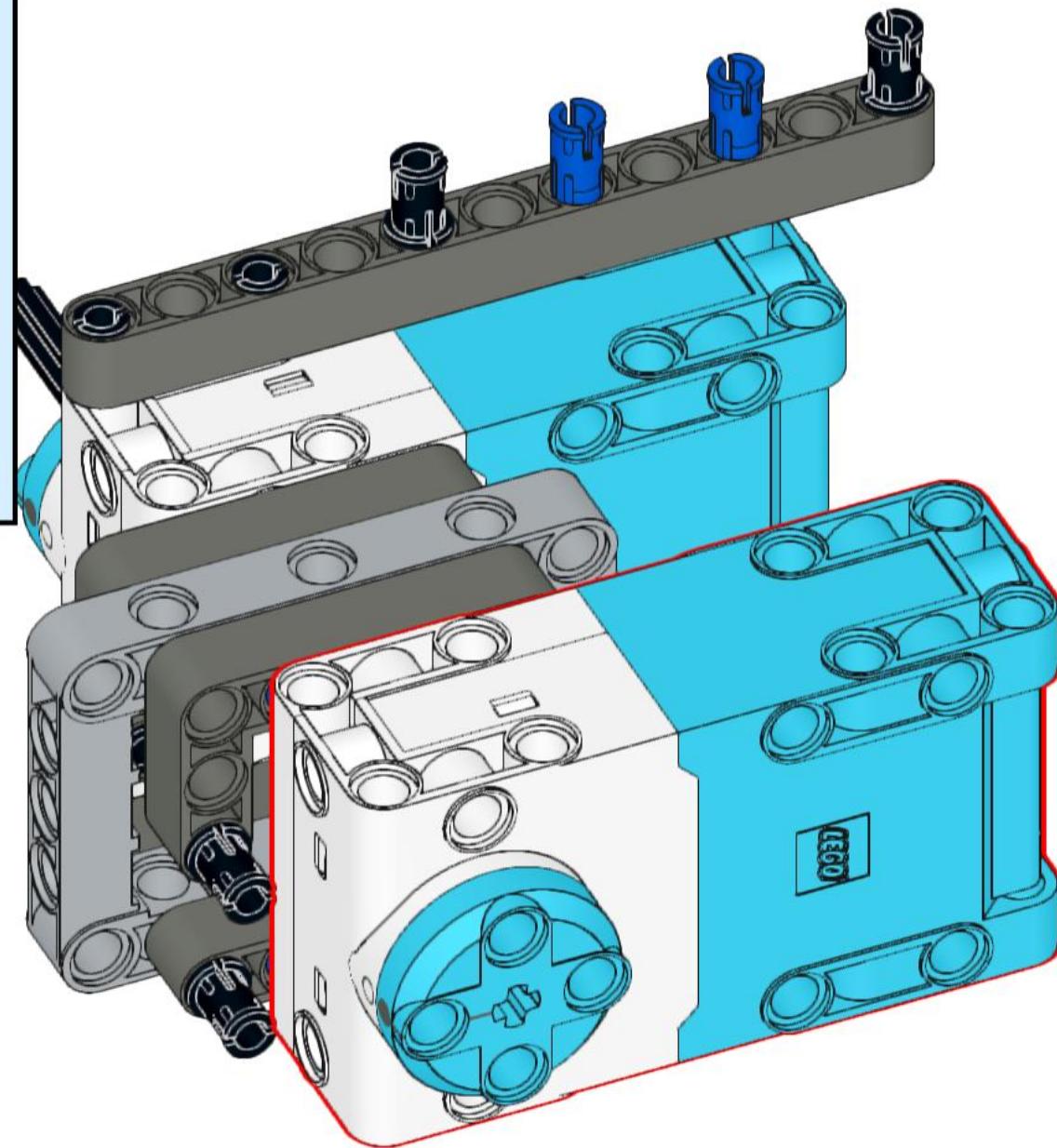
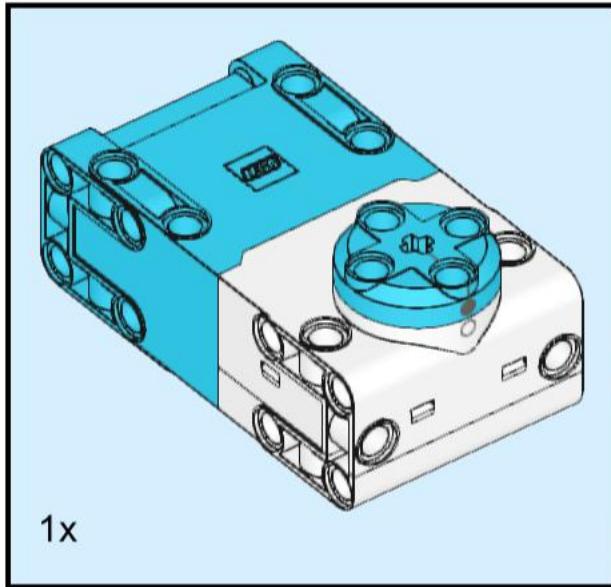
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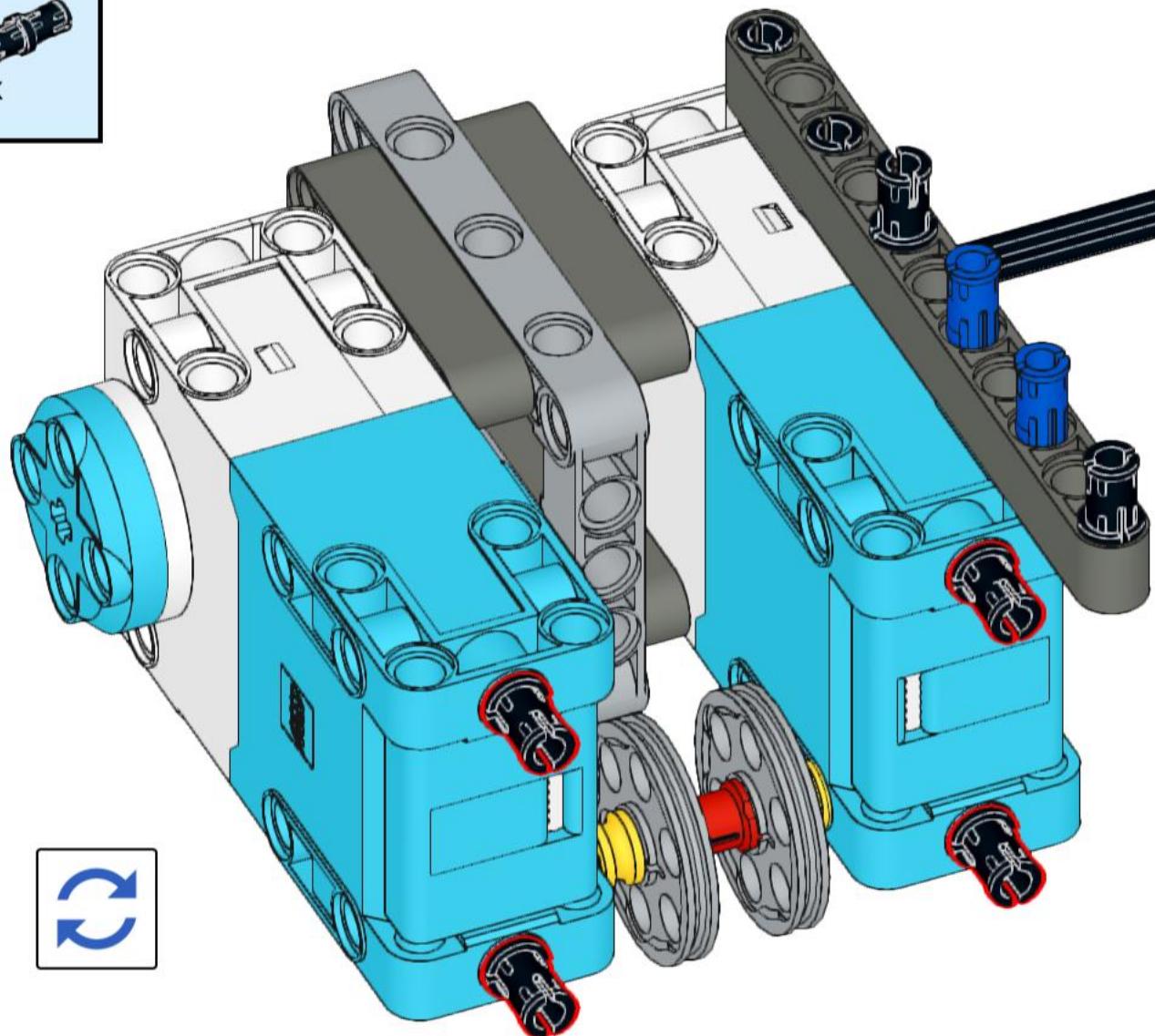
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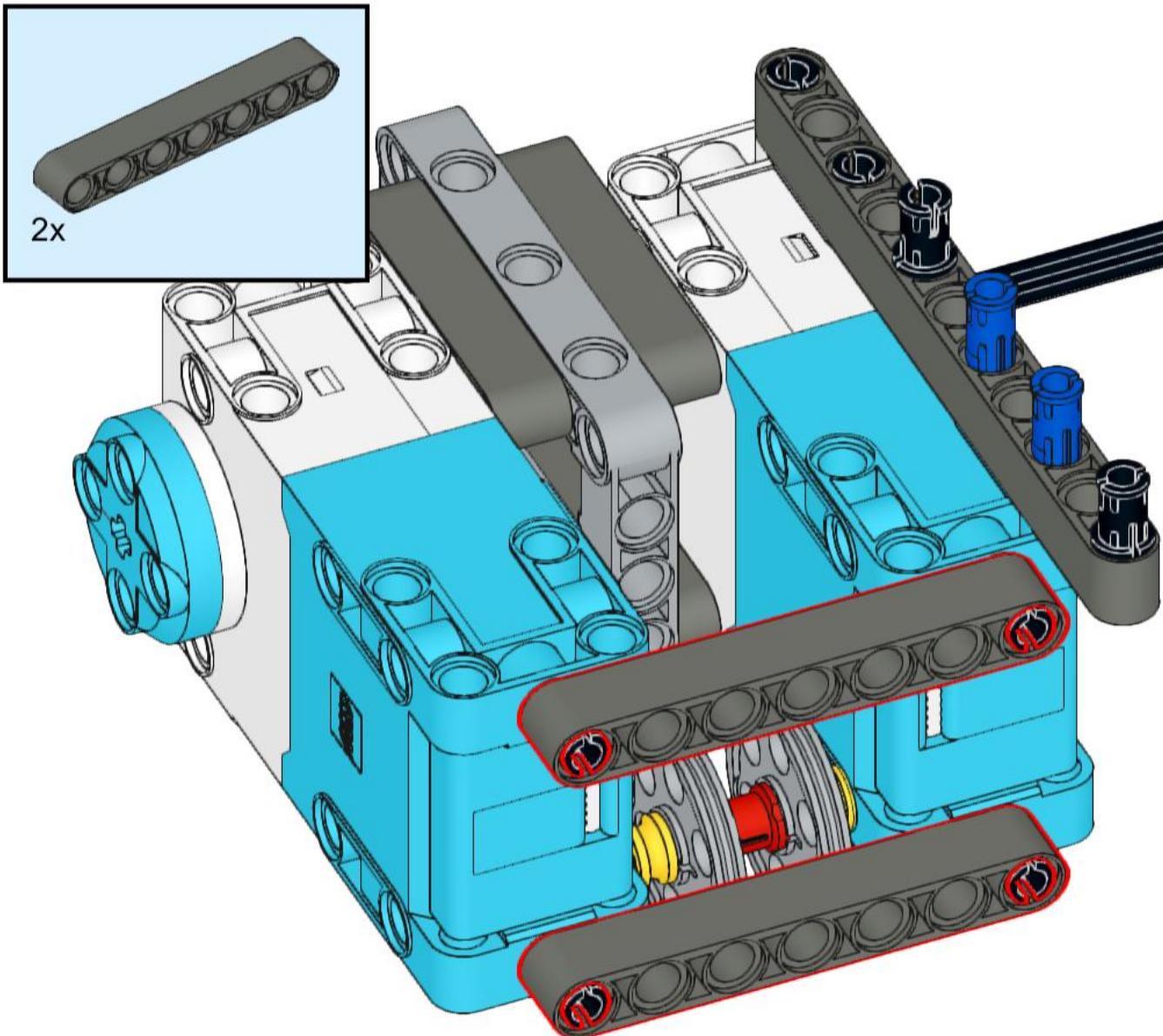
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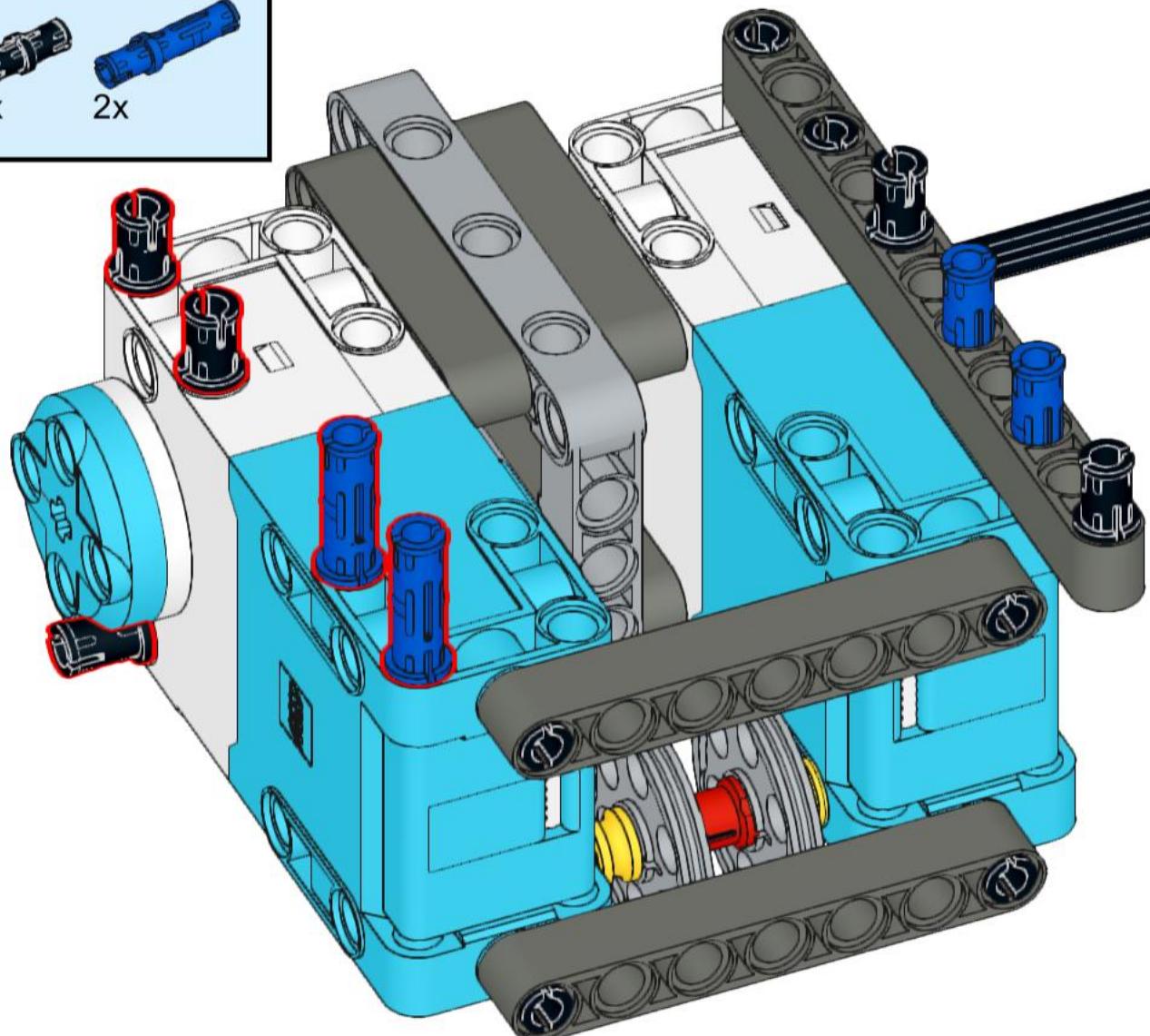
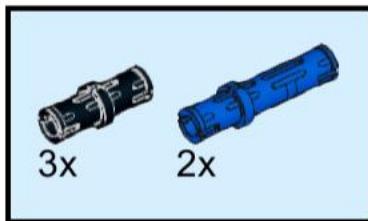
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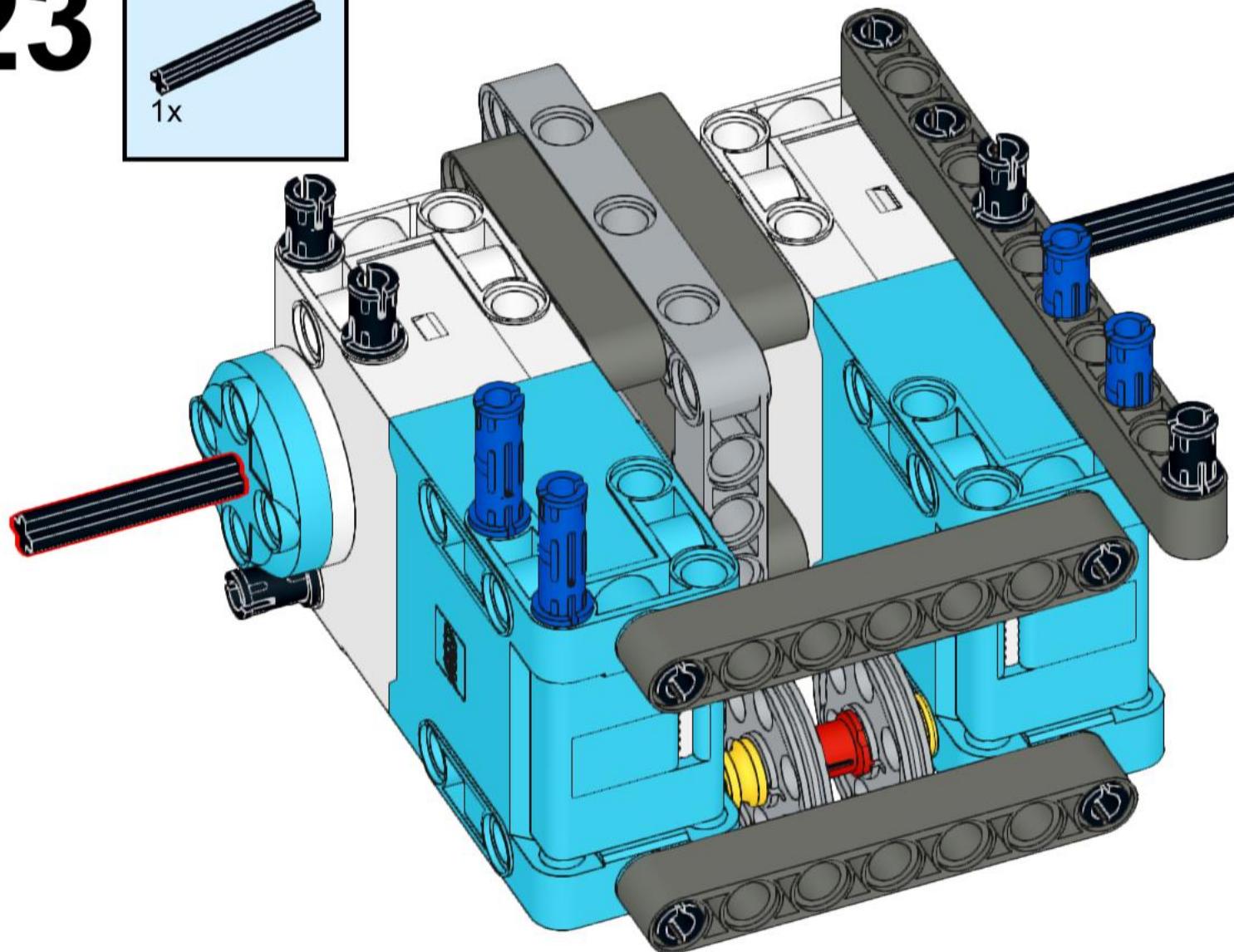
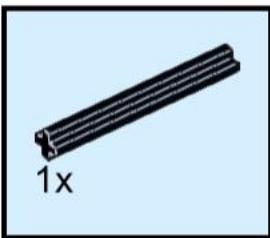
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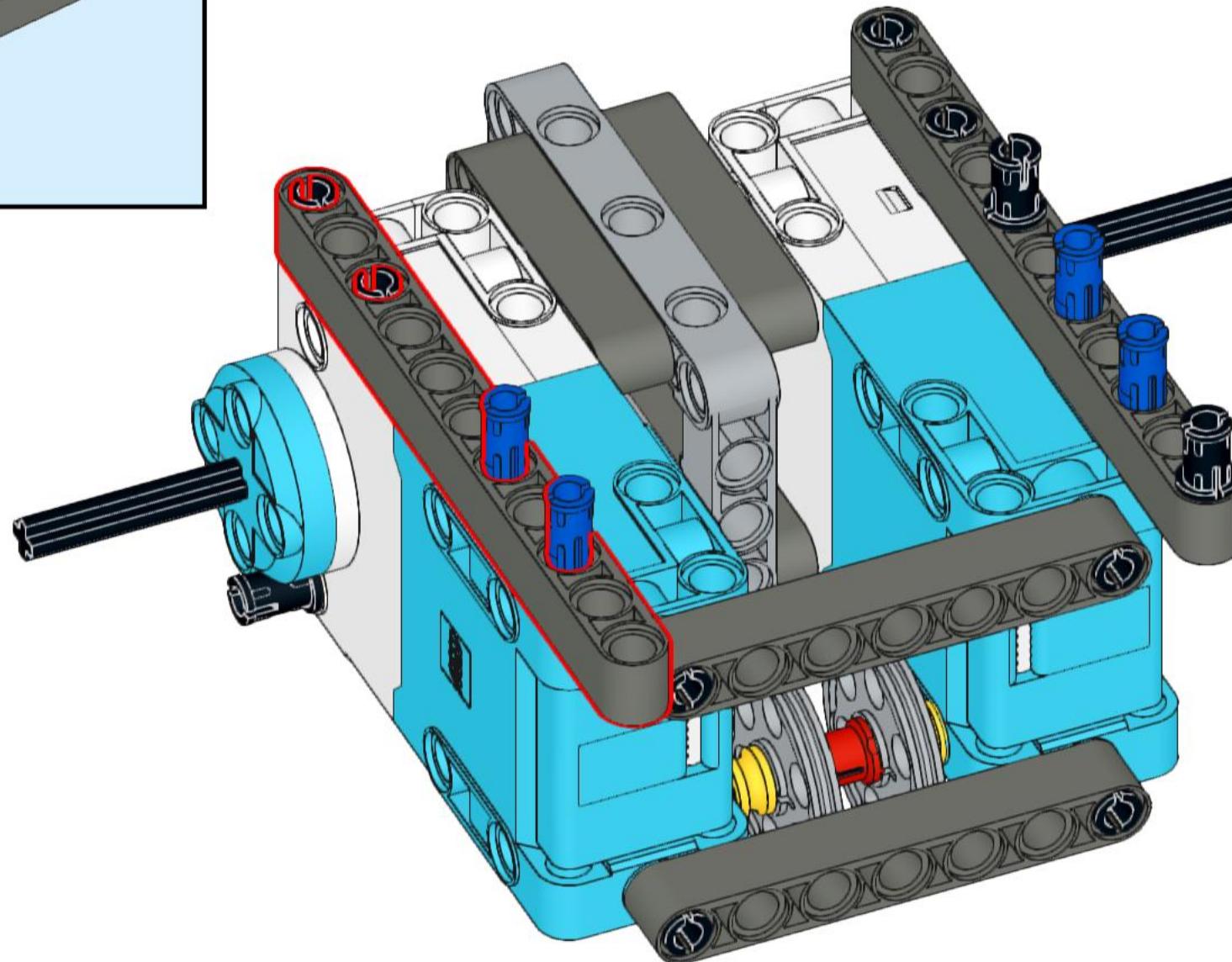
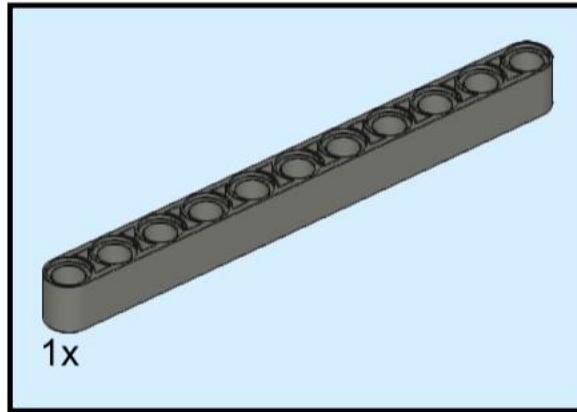
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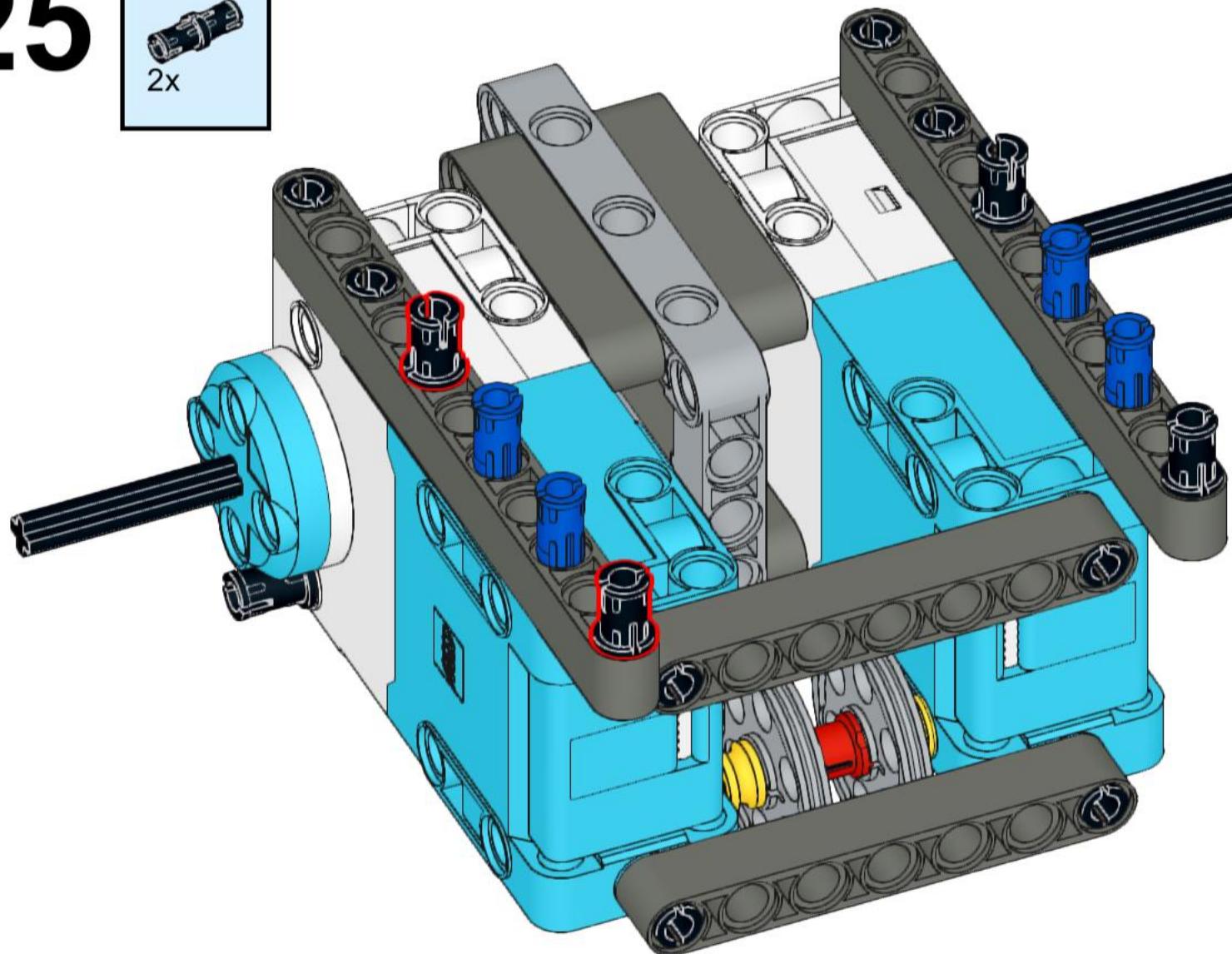
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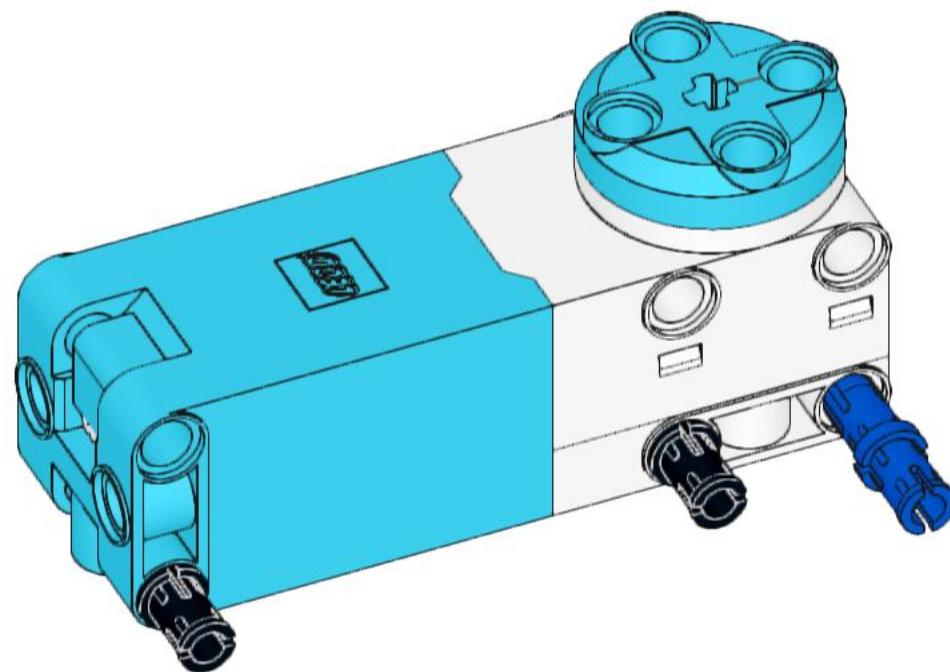
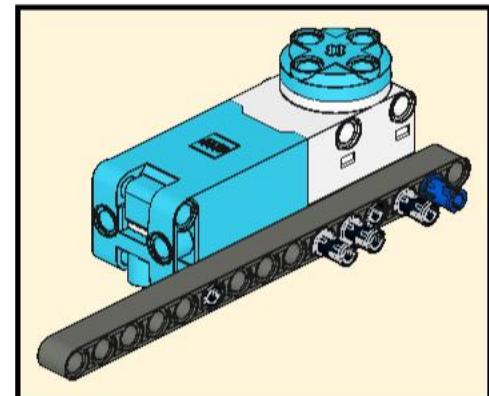
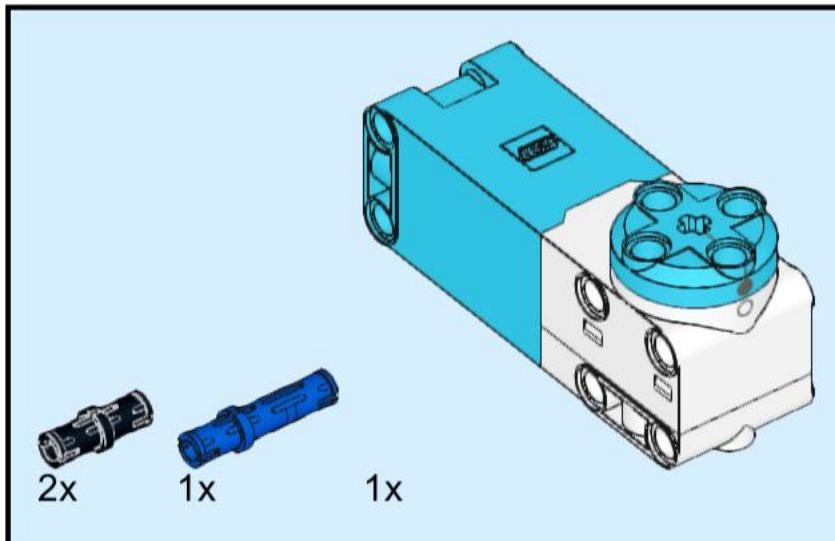
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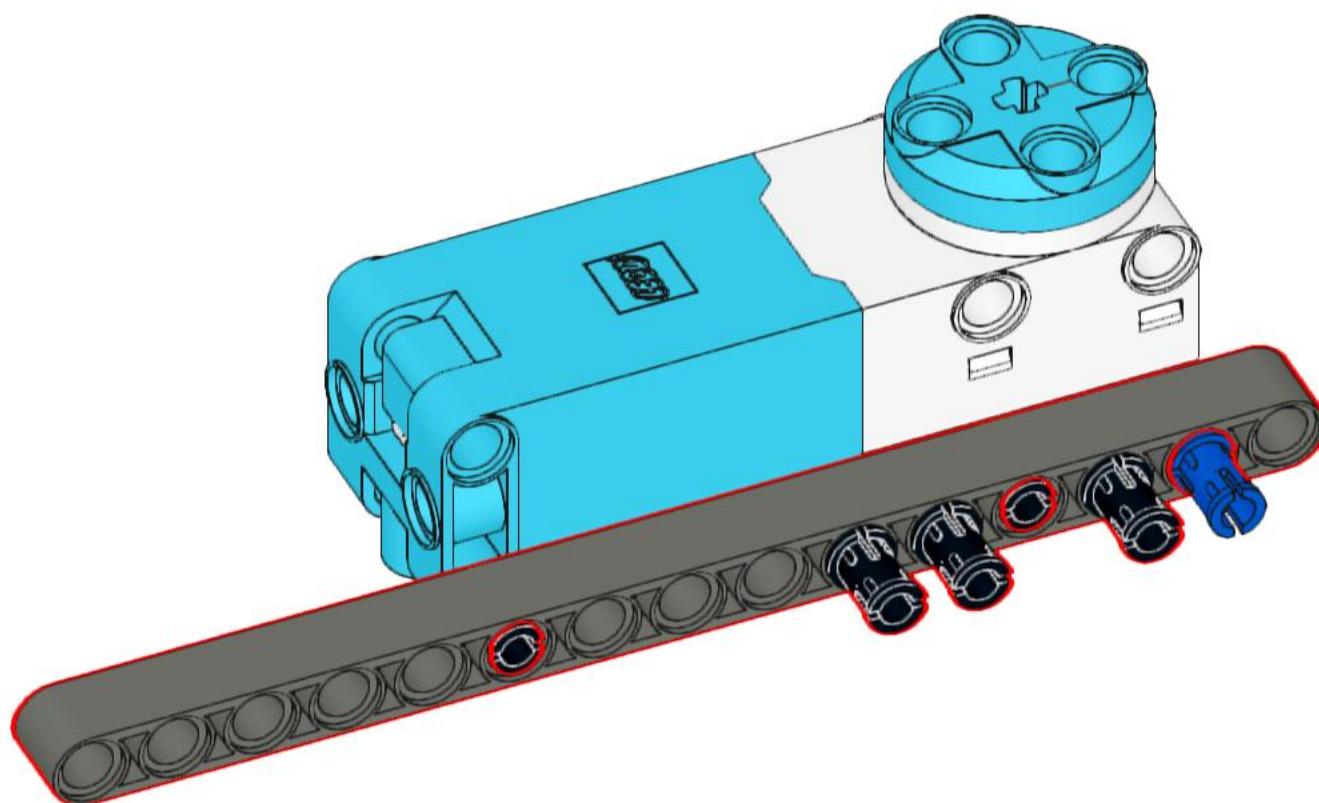
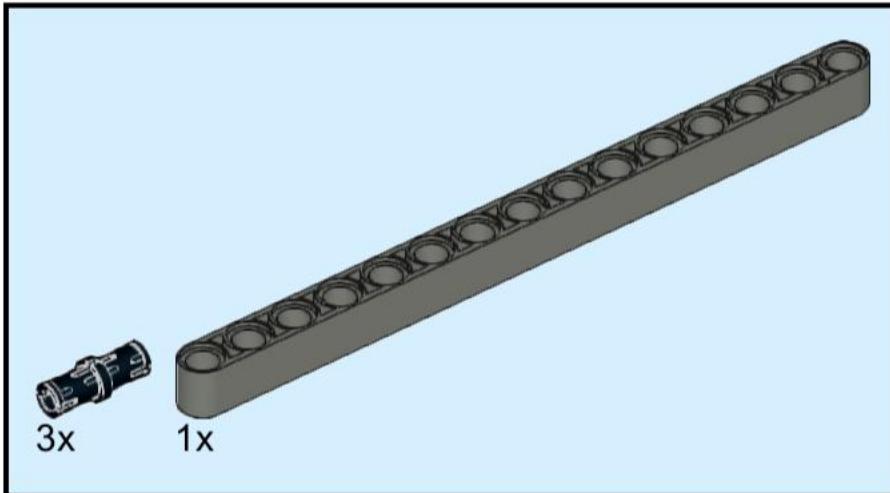
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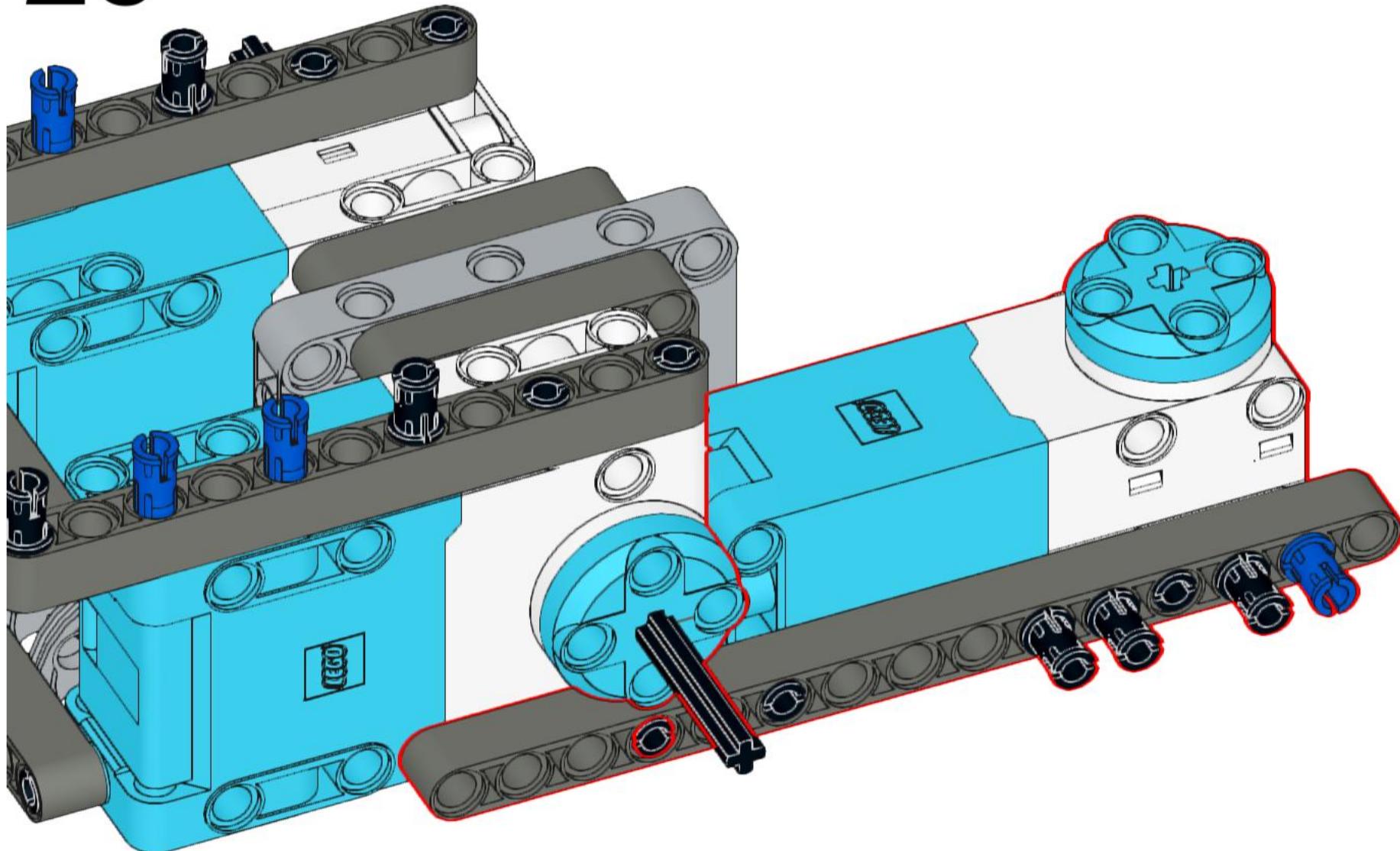
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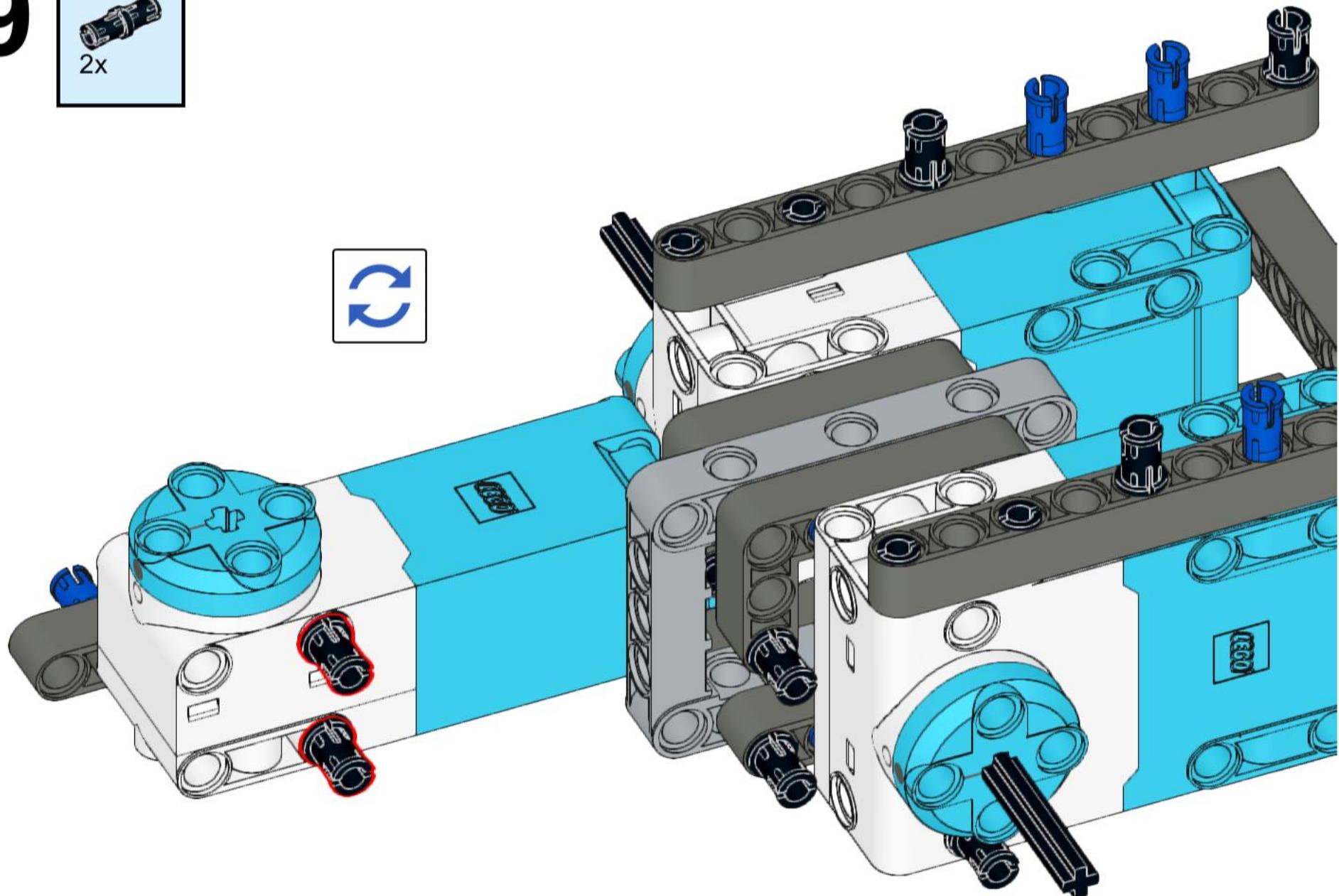
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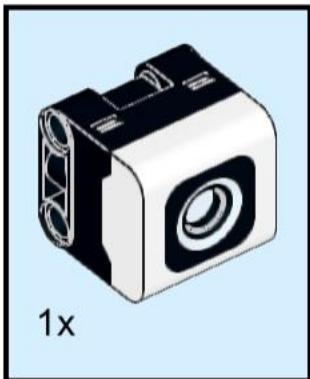
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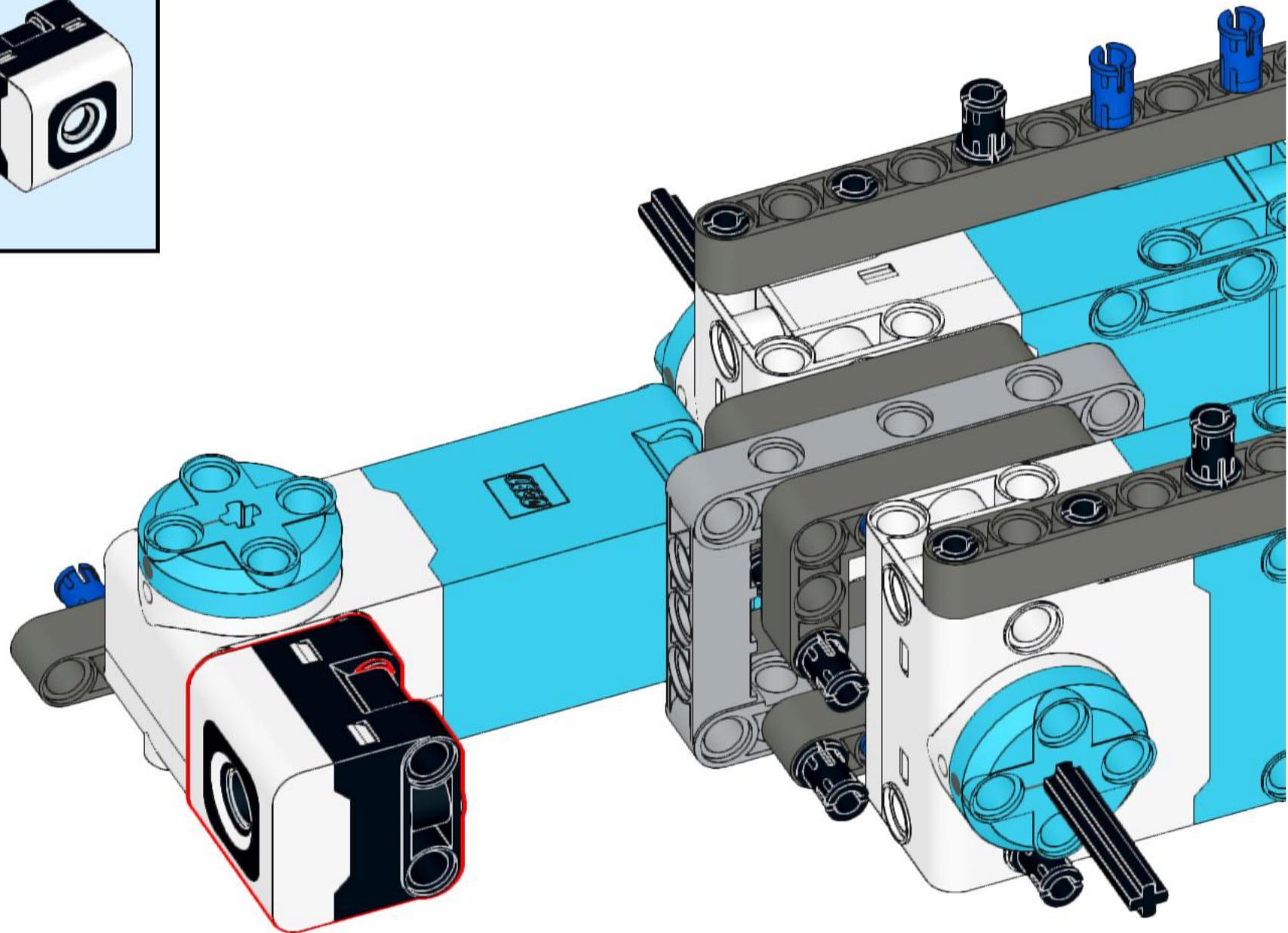
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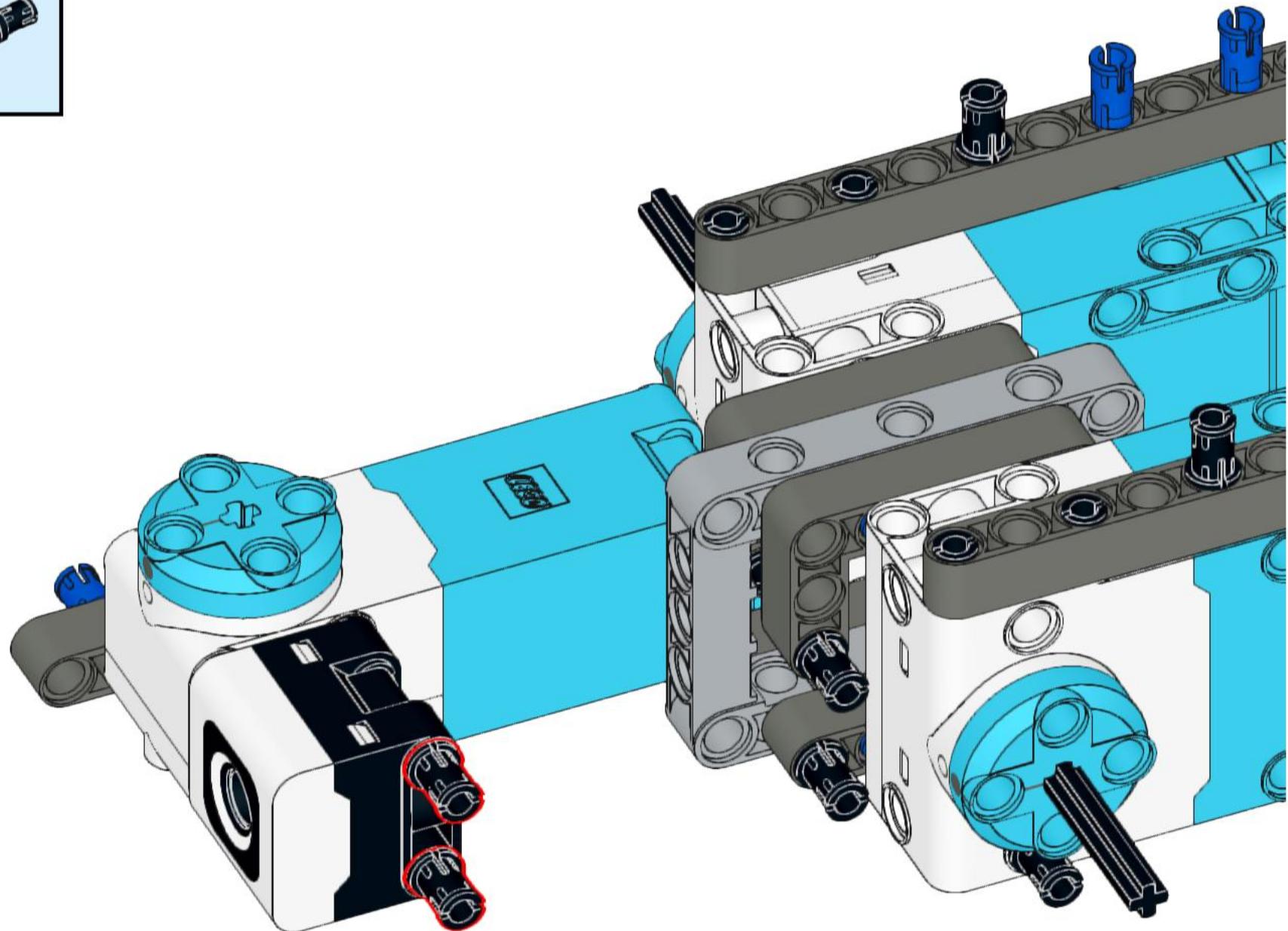
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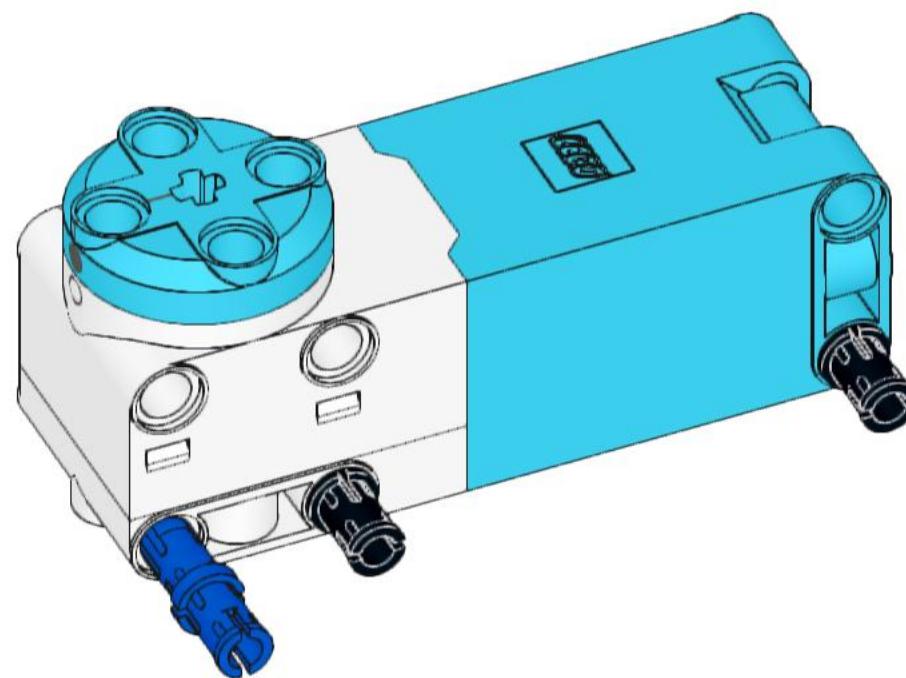
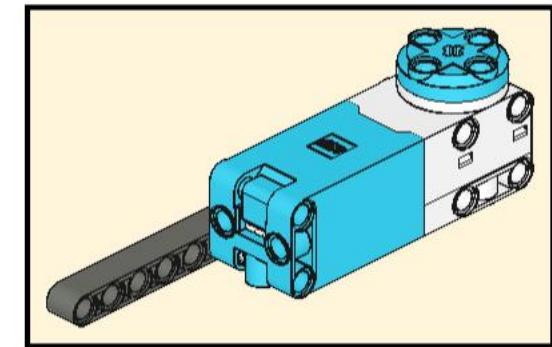
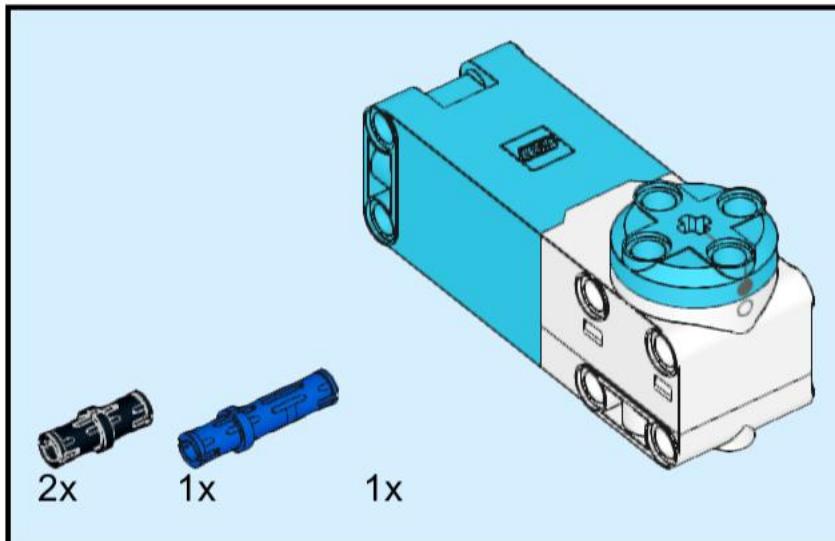
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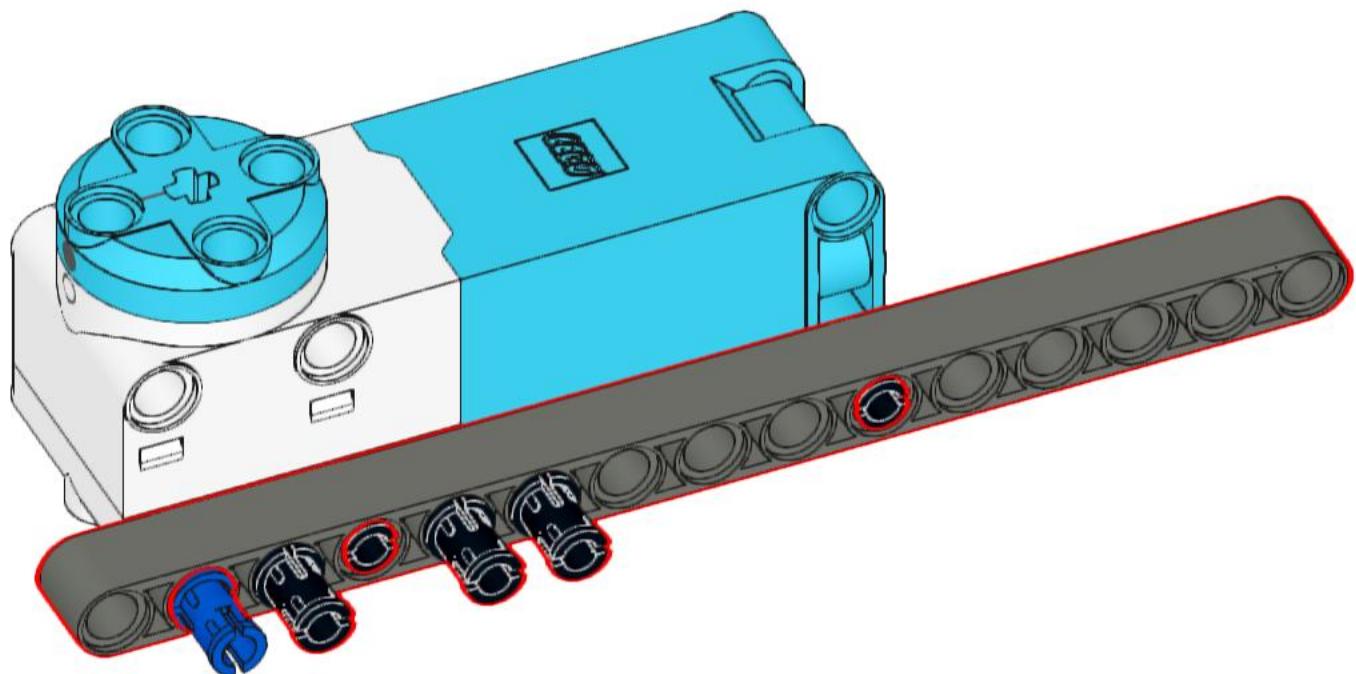
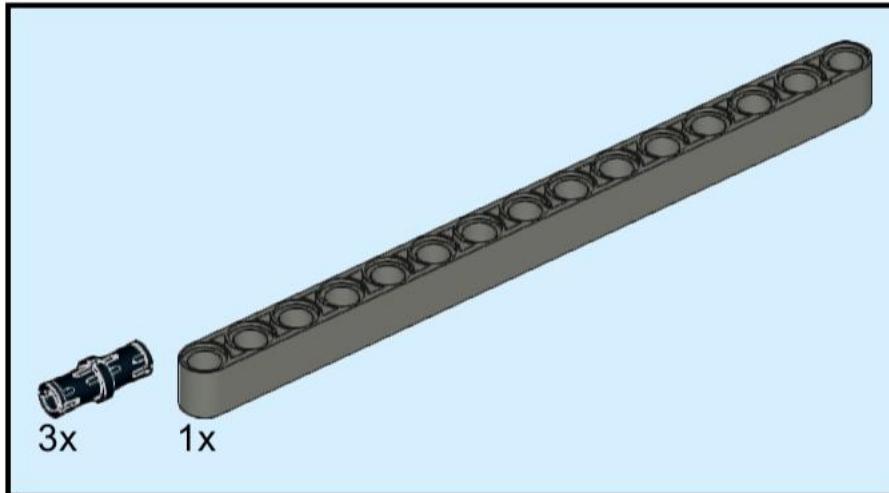
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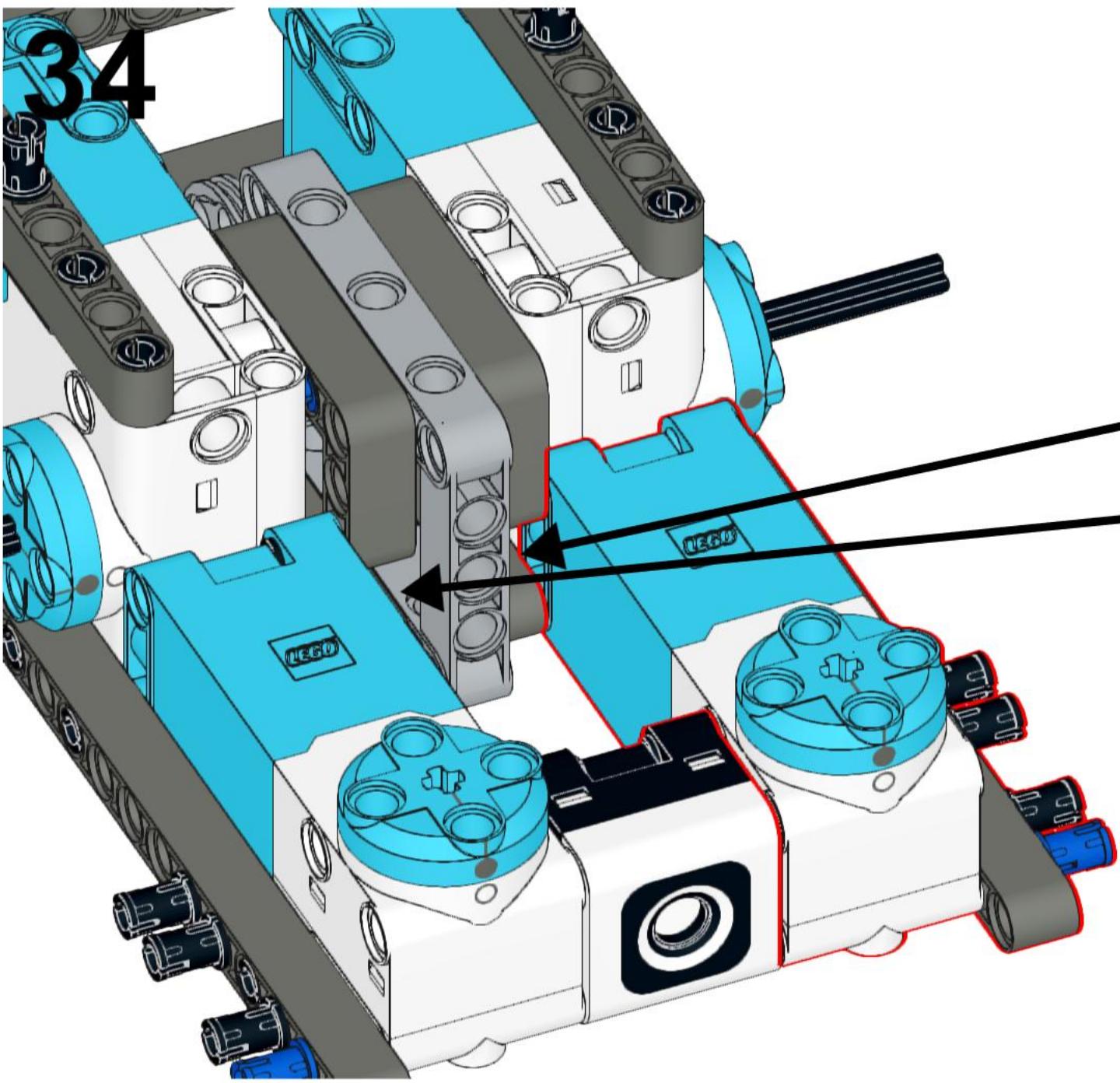


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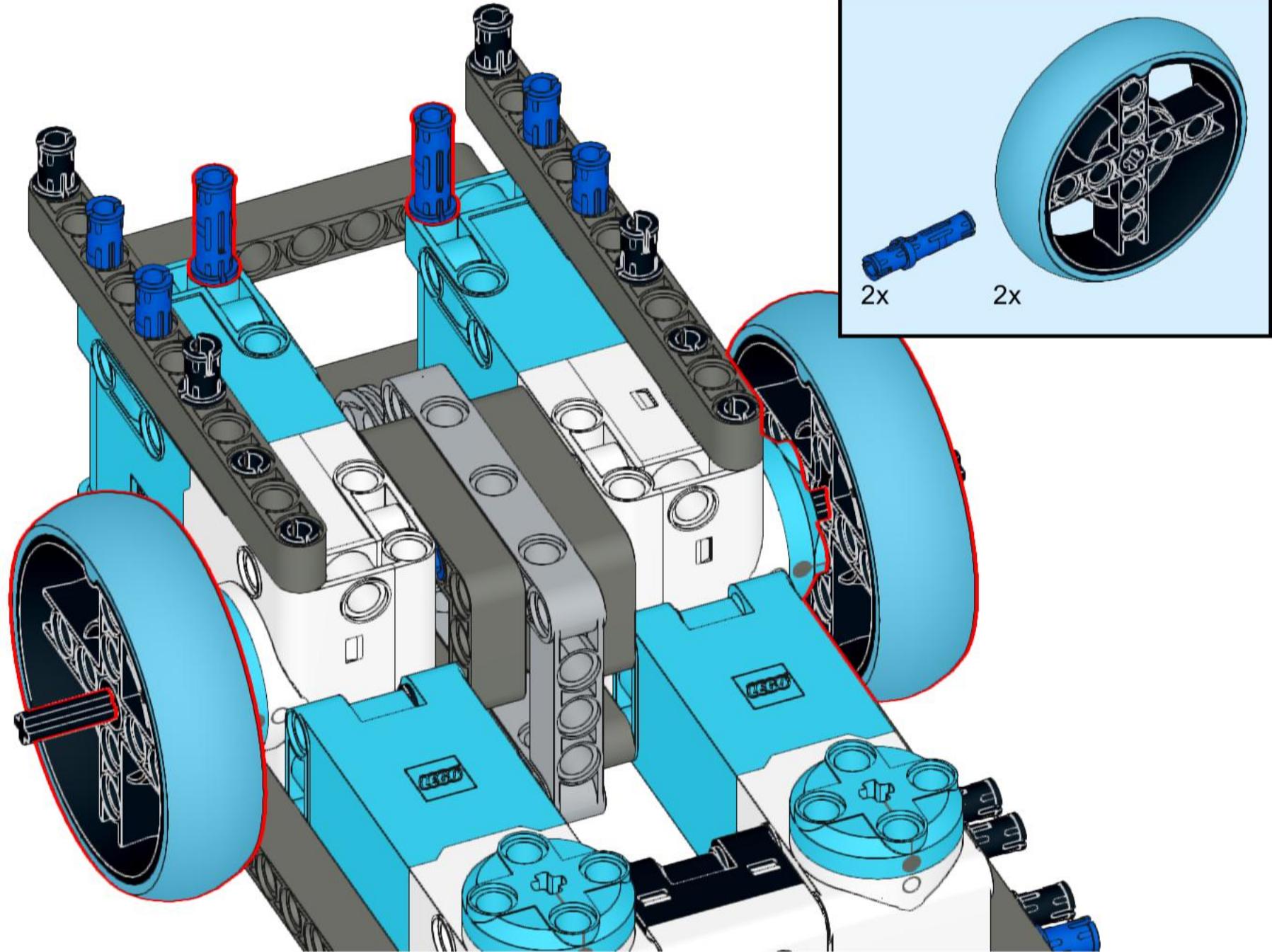
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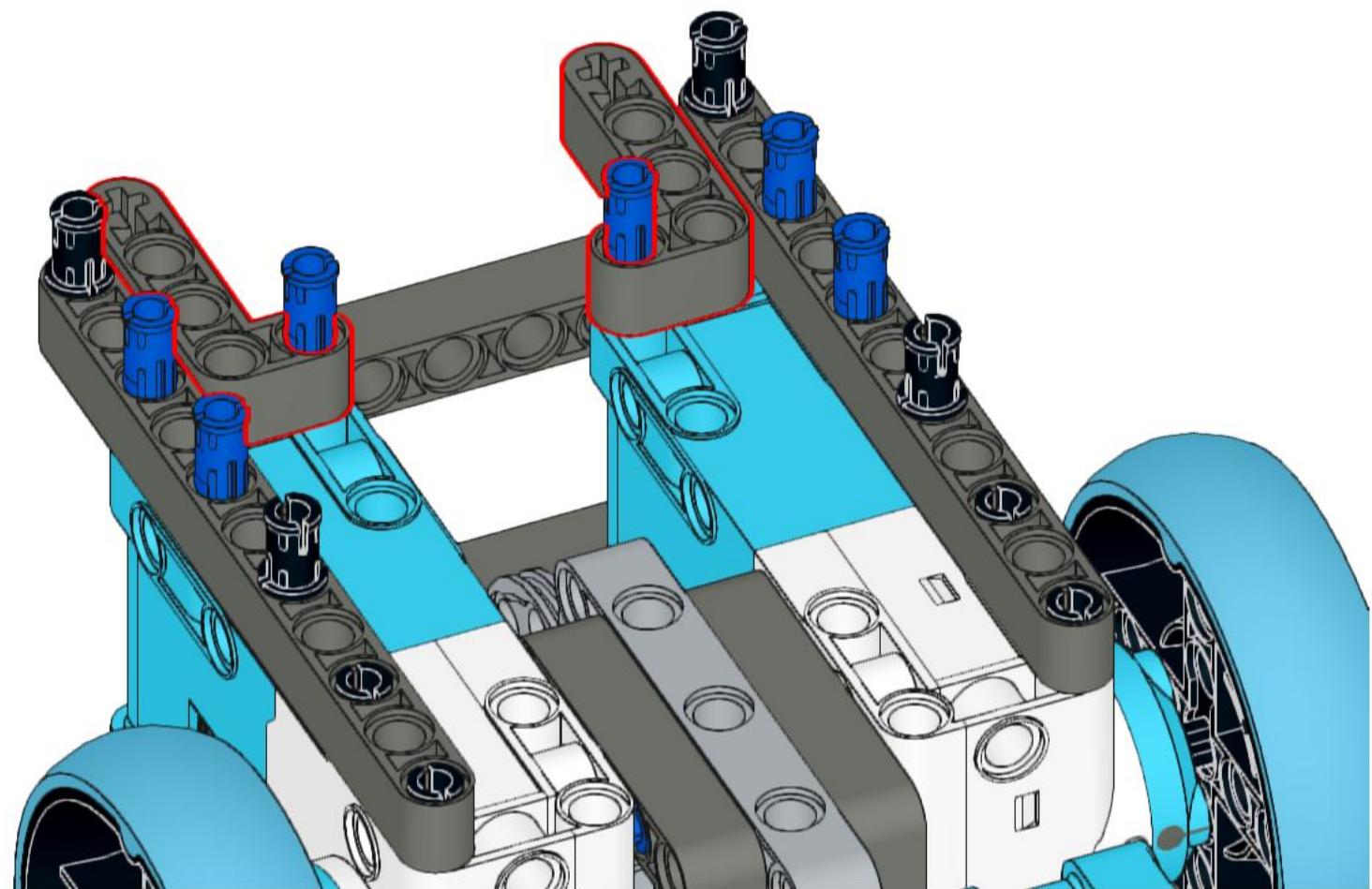
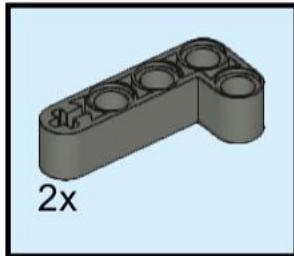


Tuck all three wires in through gaps here. Wires should go all the way through the back of the robot. May have to disassemble slightly to get them in.

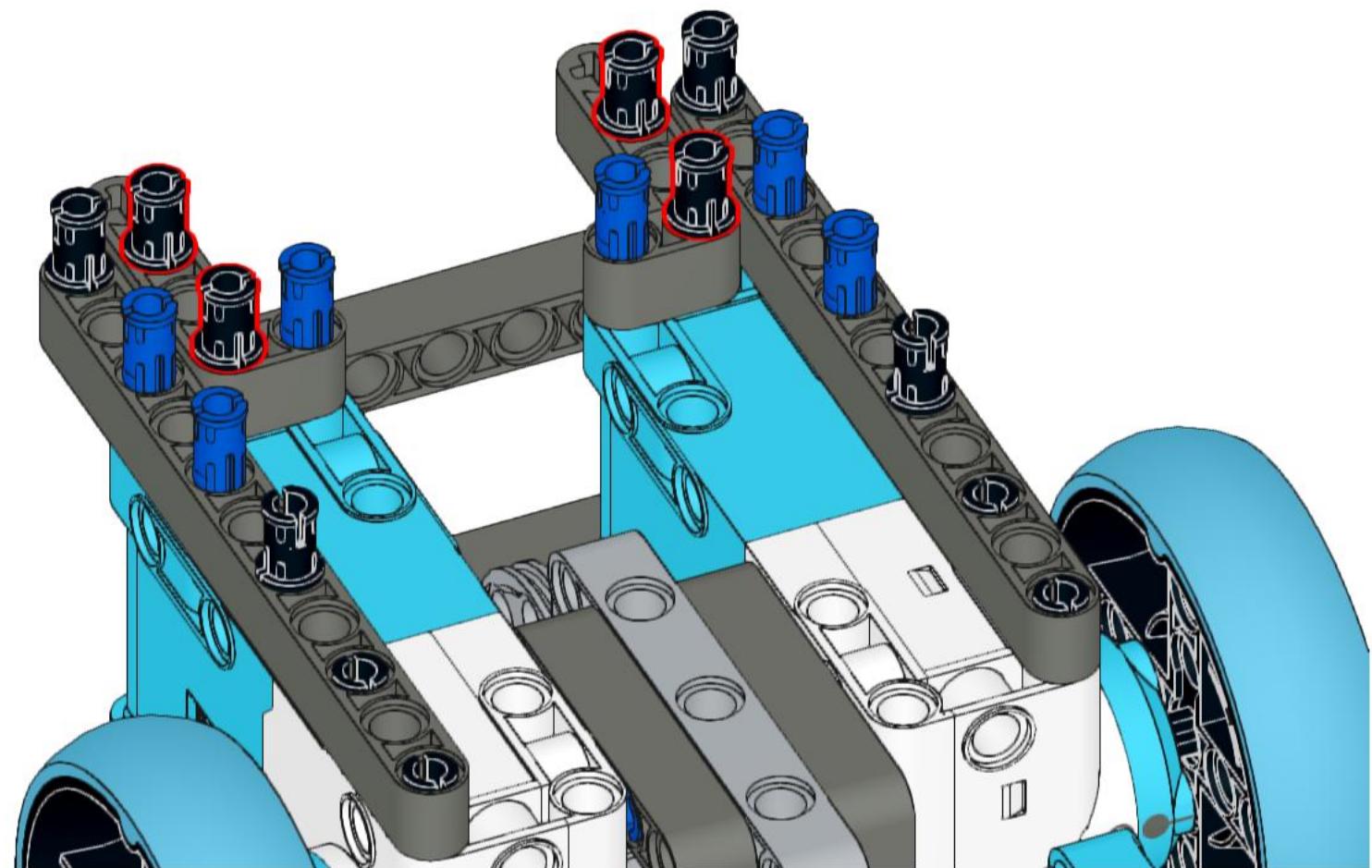
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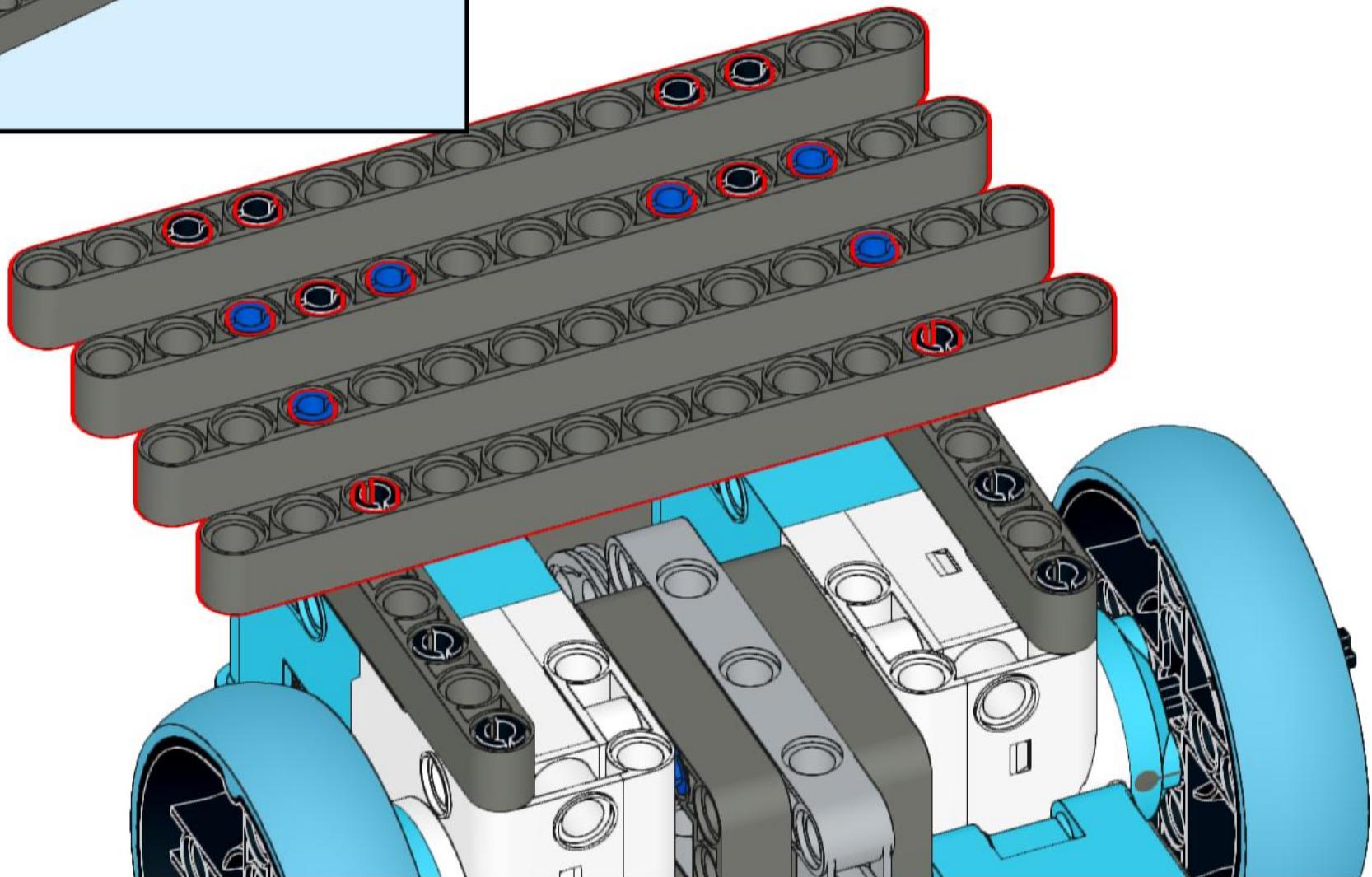
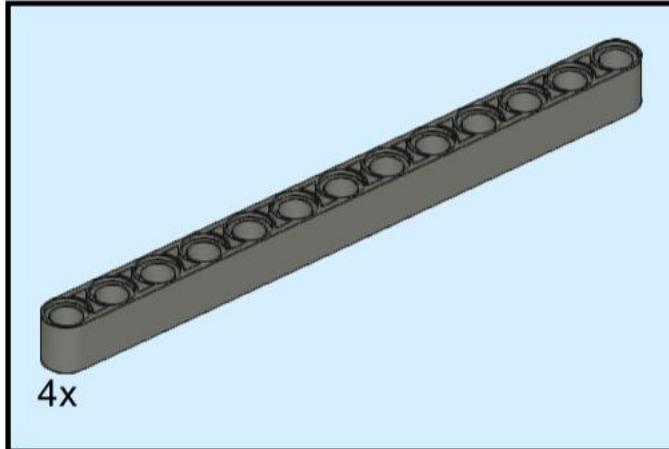
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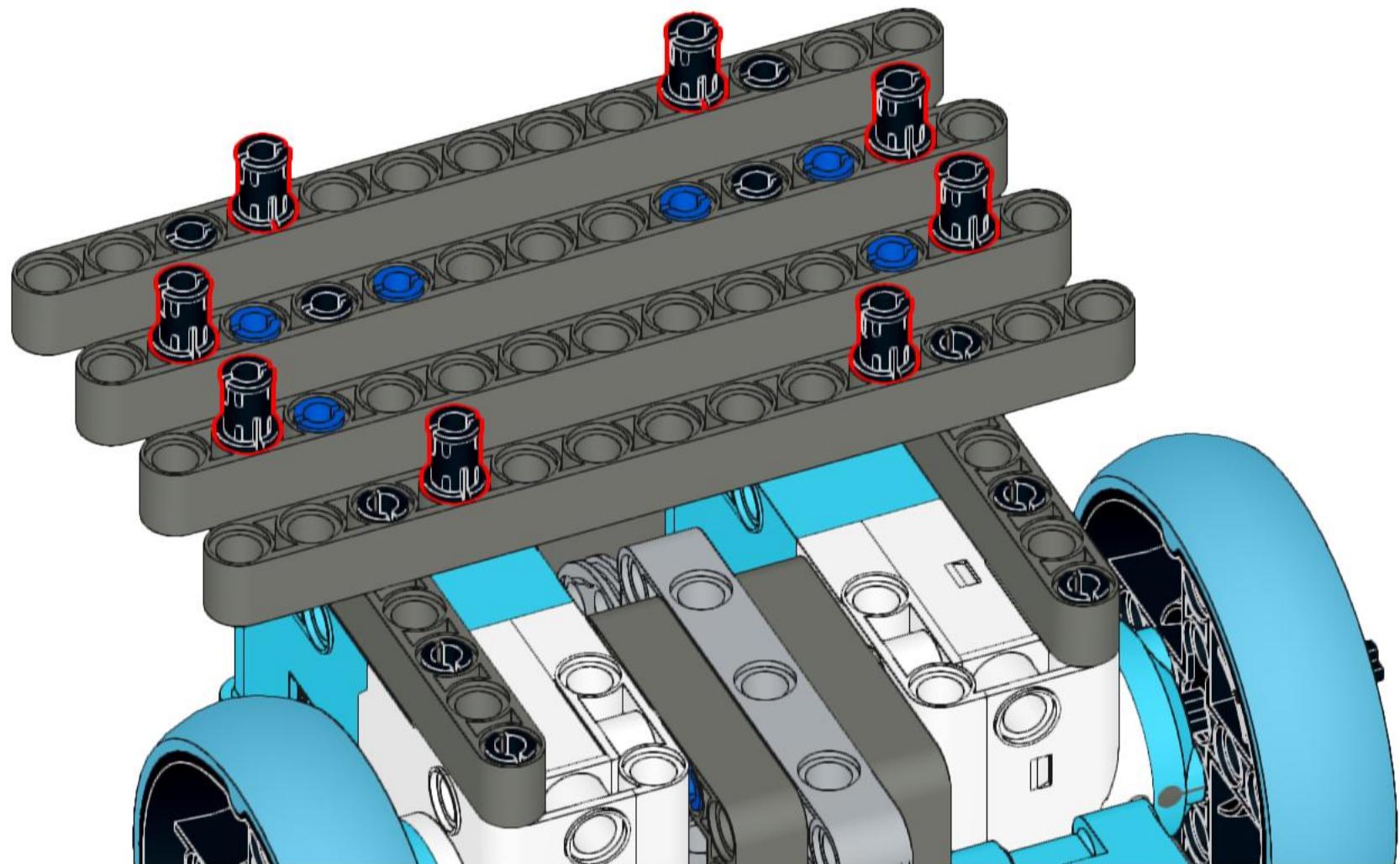
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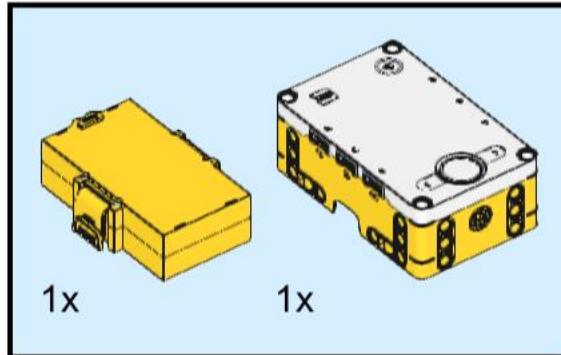
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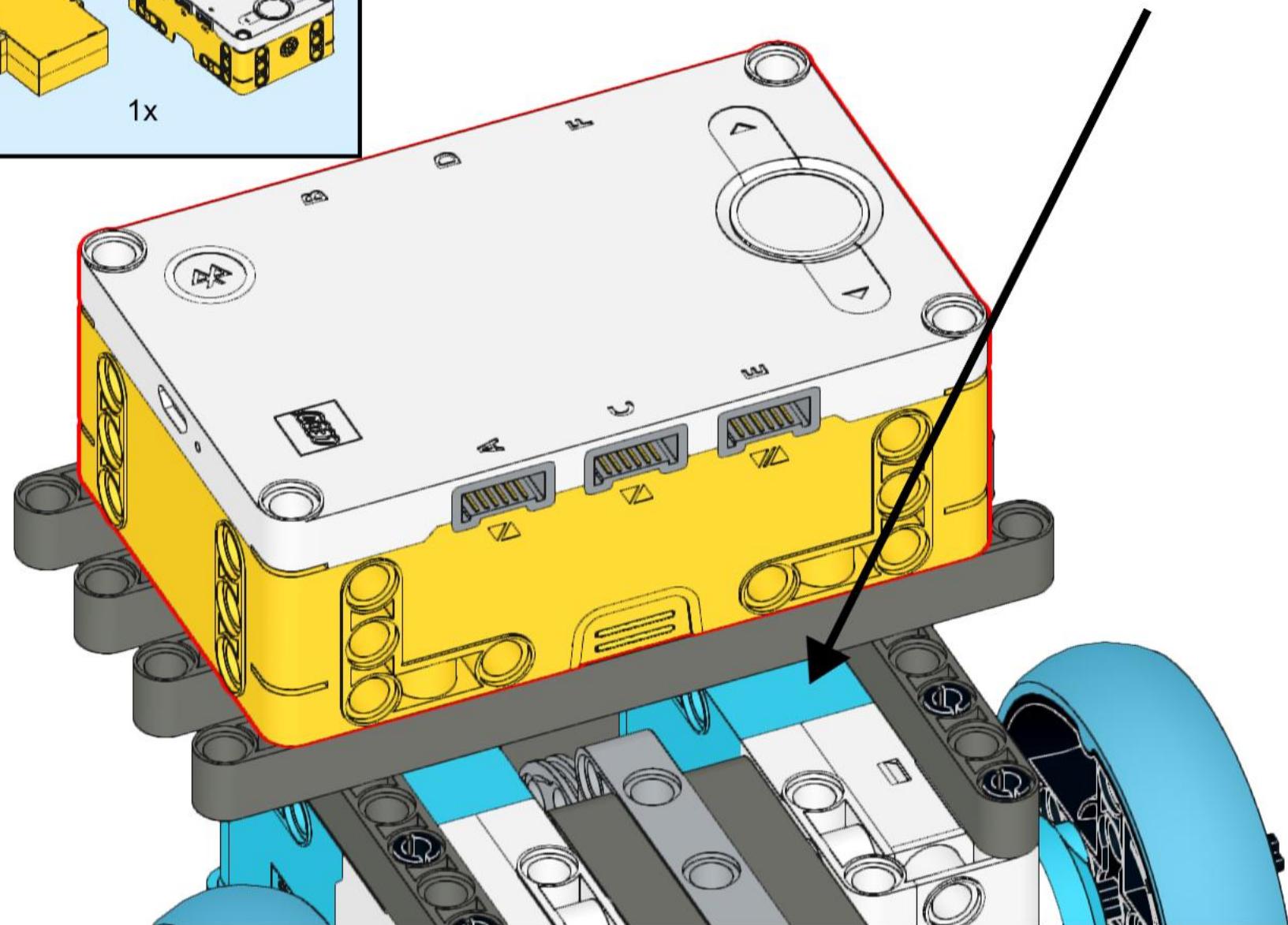
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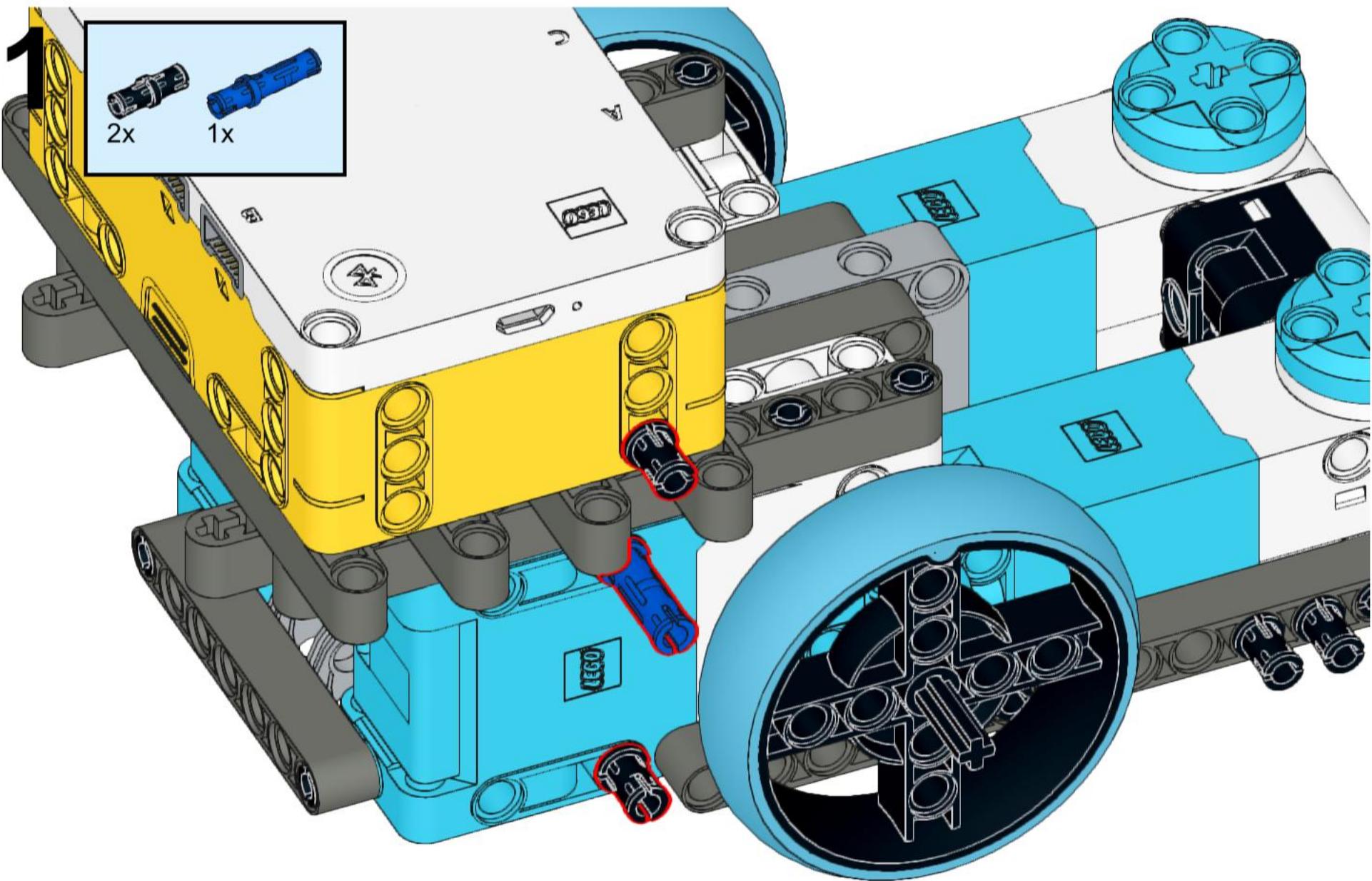
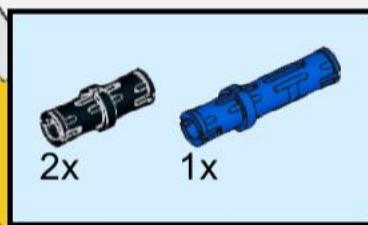
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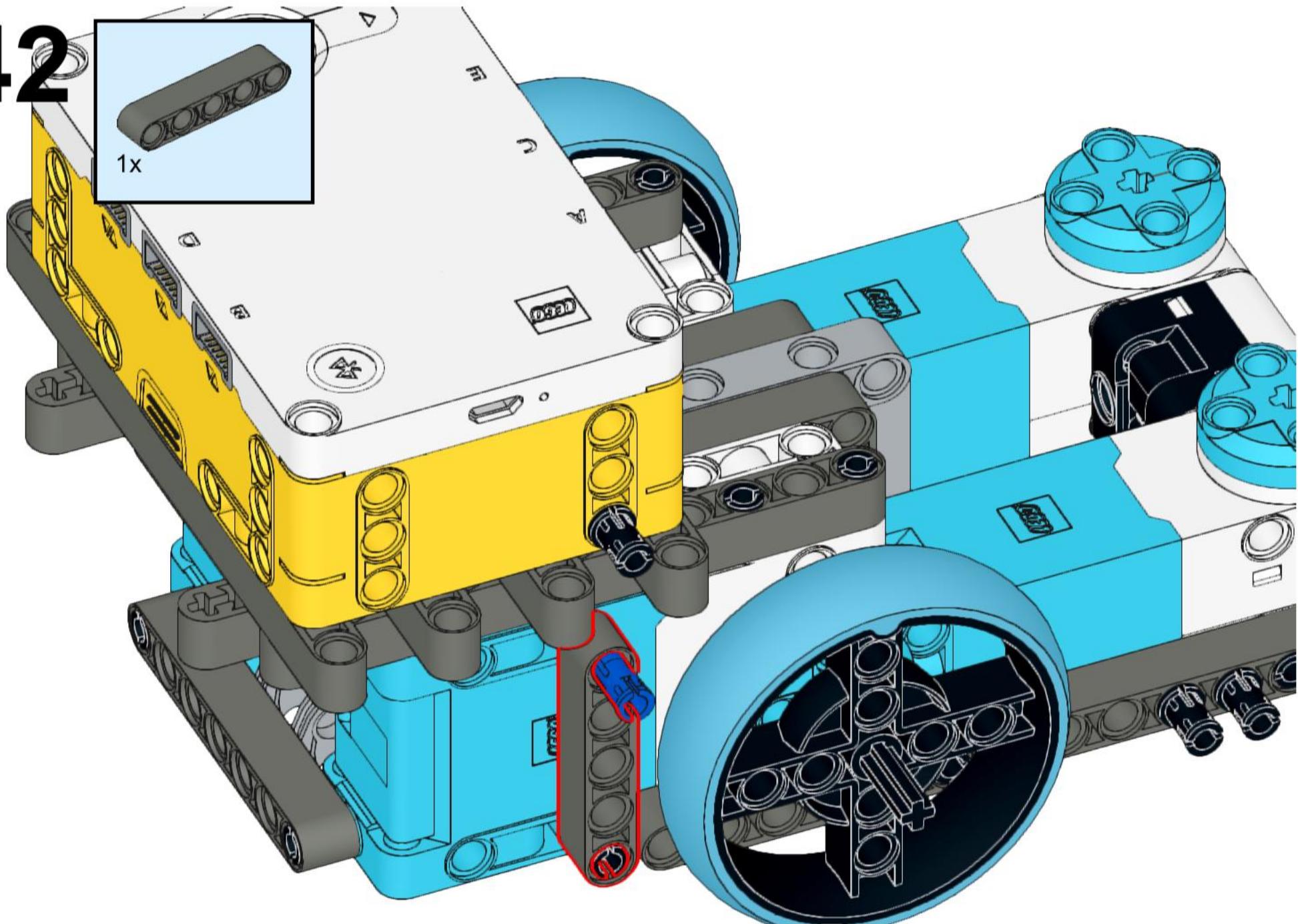
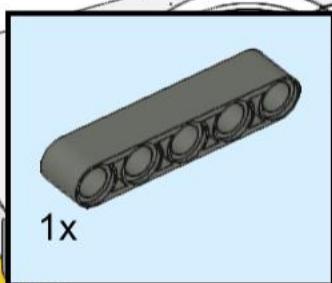
Drive motor wires will pass under the hub and out the front in this area



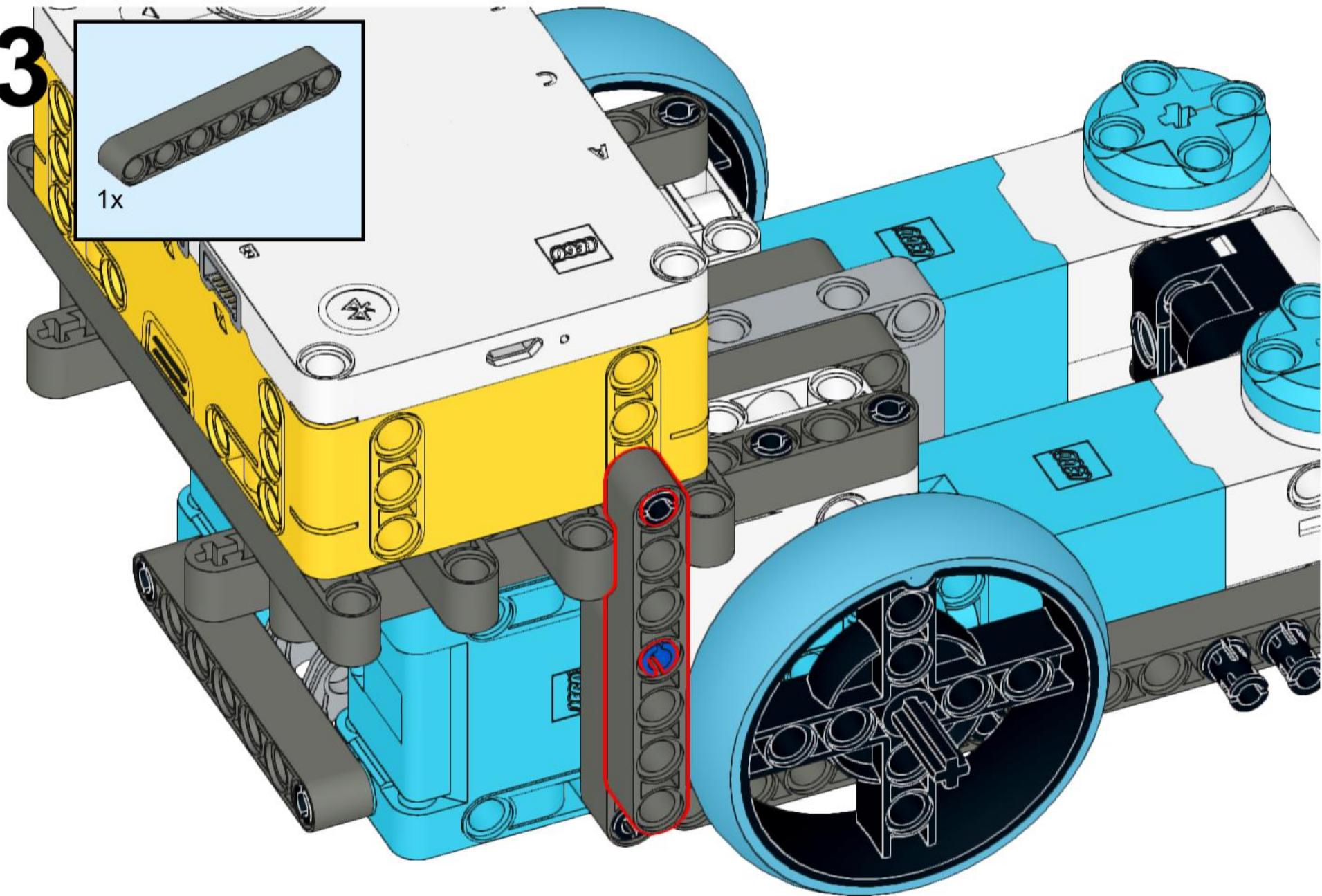
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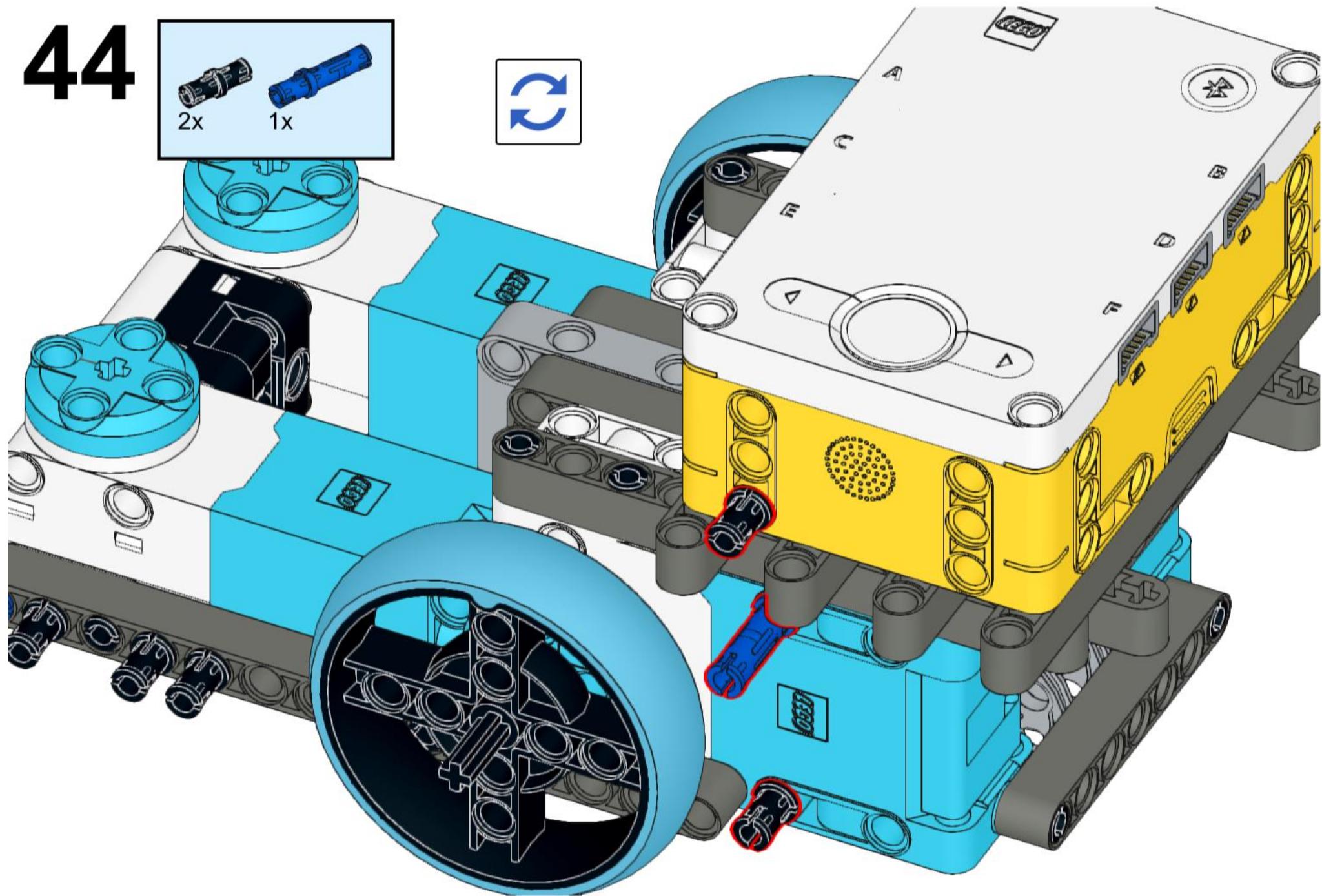
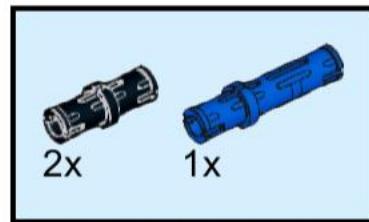
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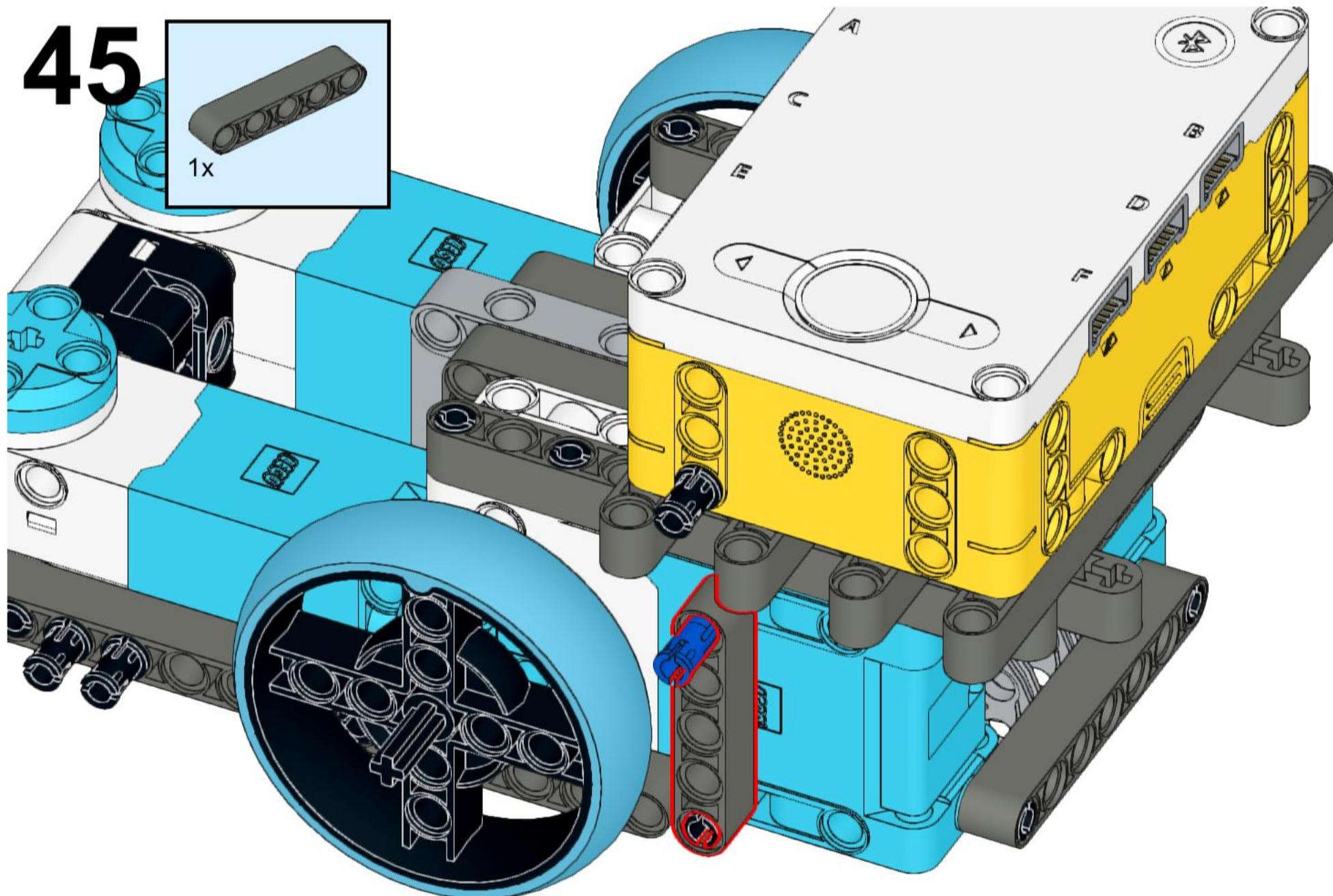
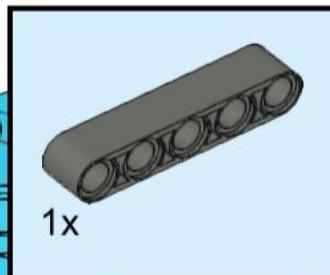
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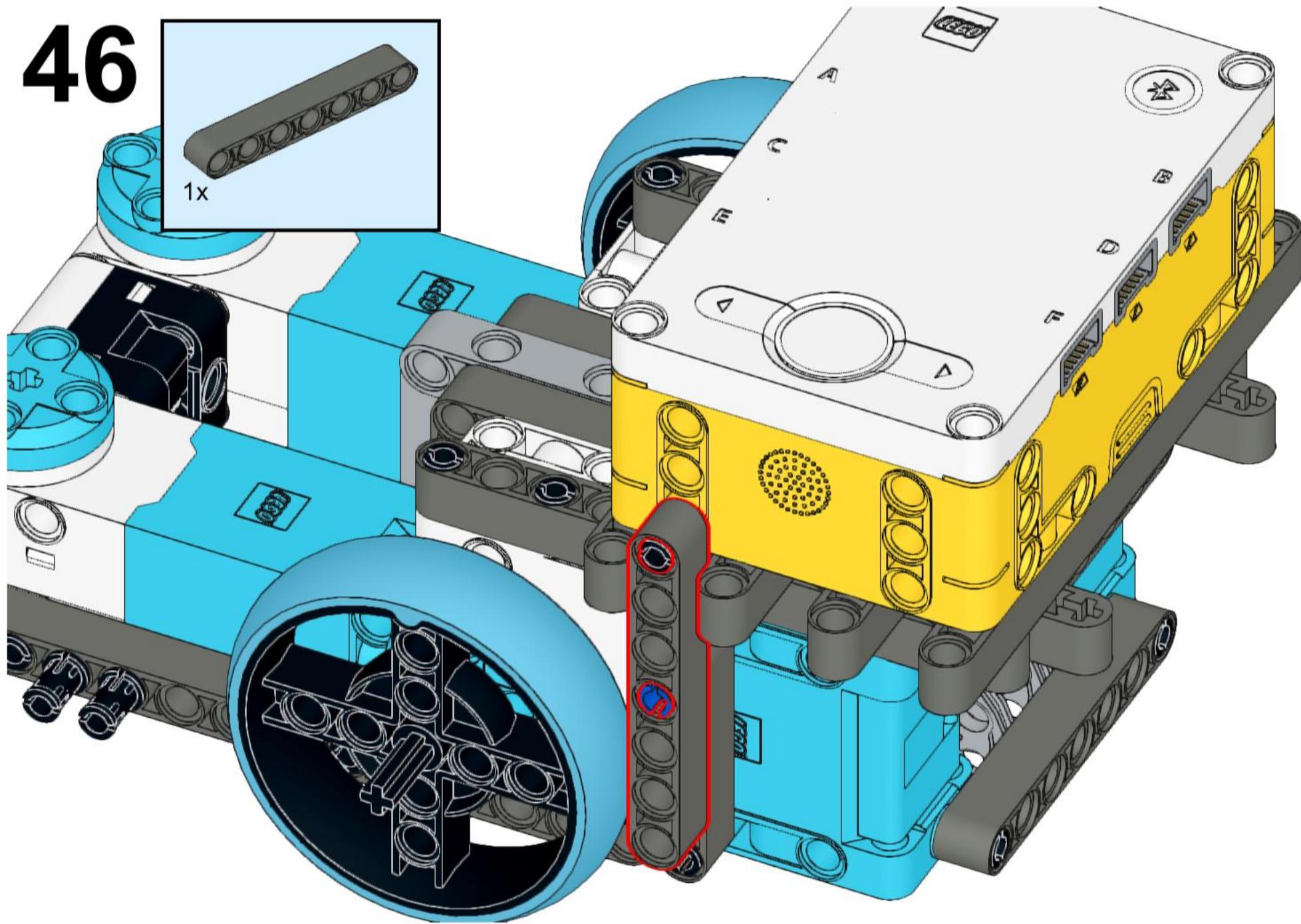
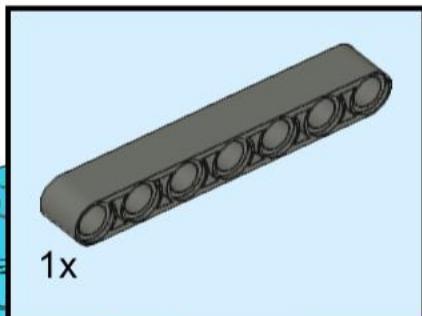
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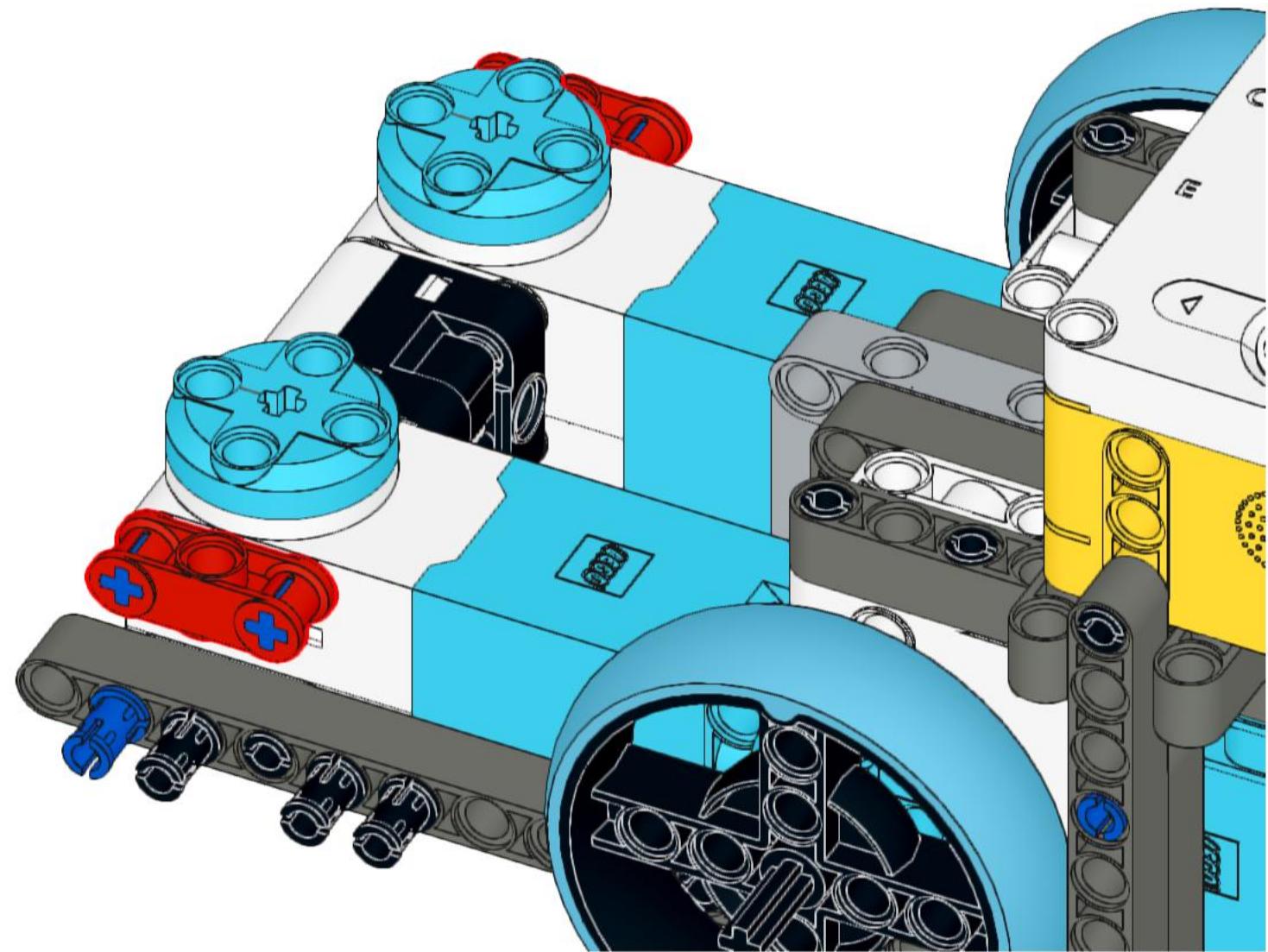
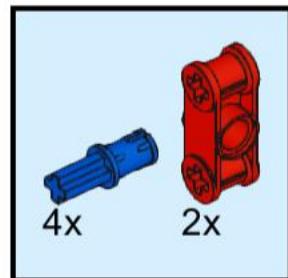
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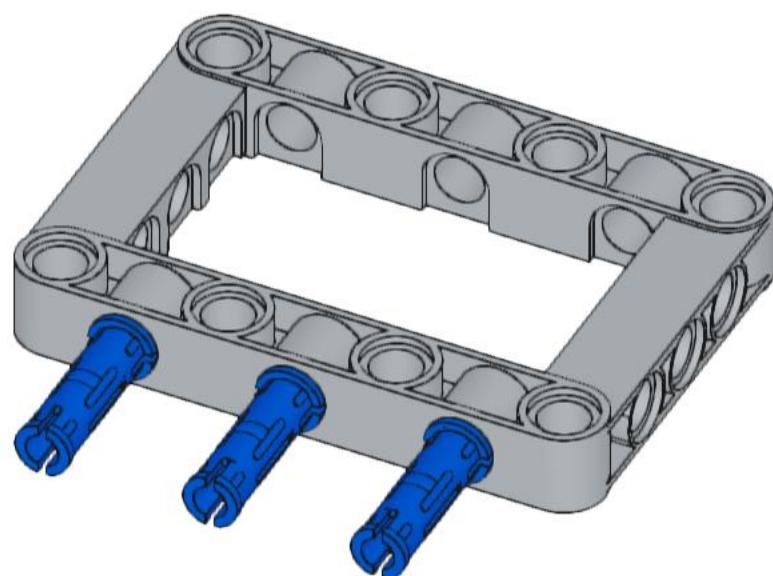
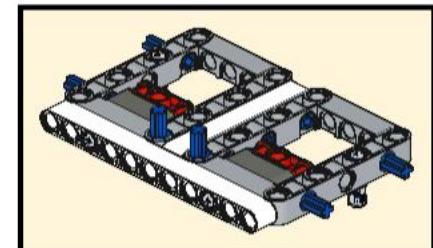
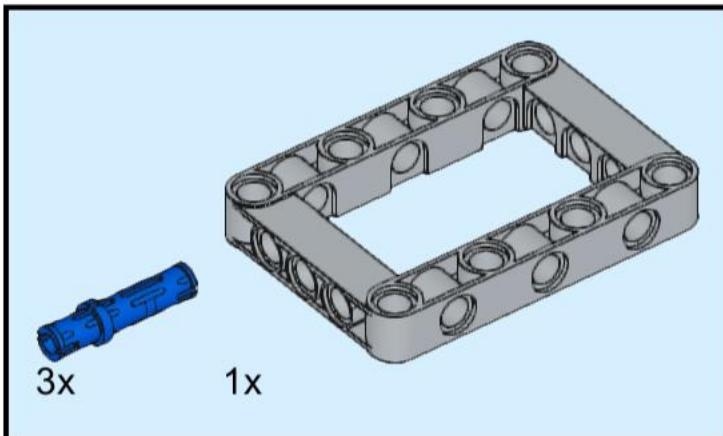
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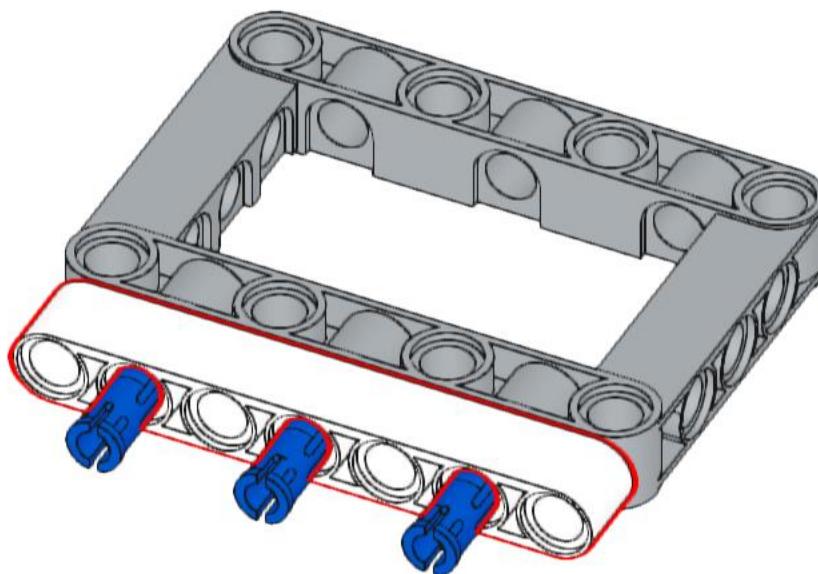
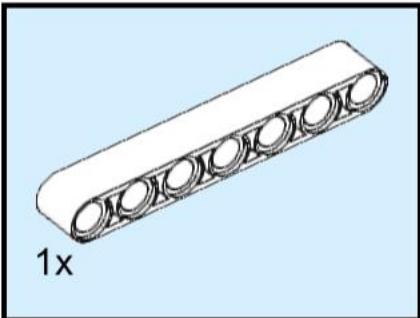
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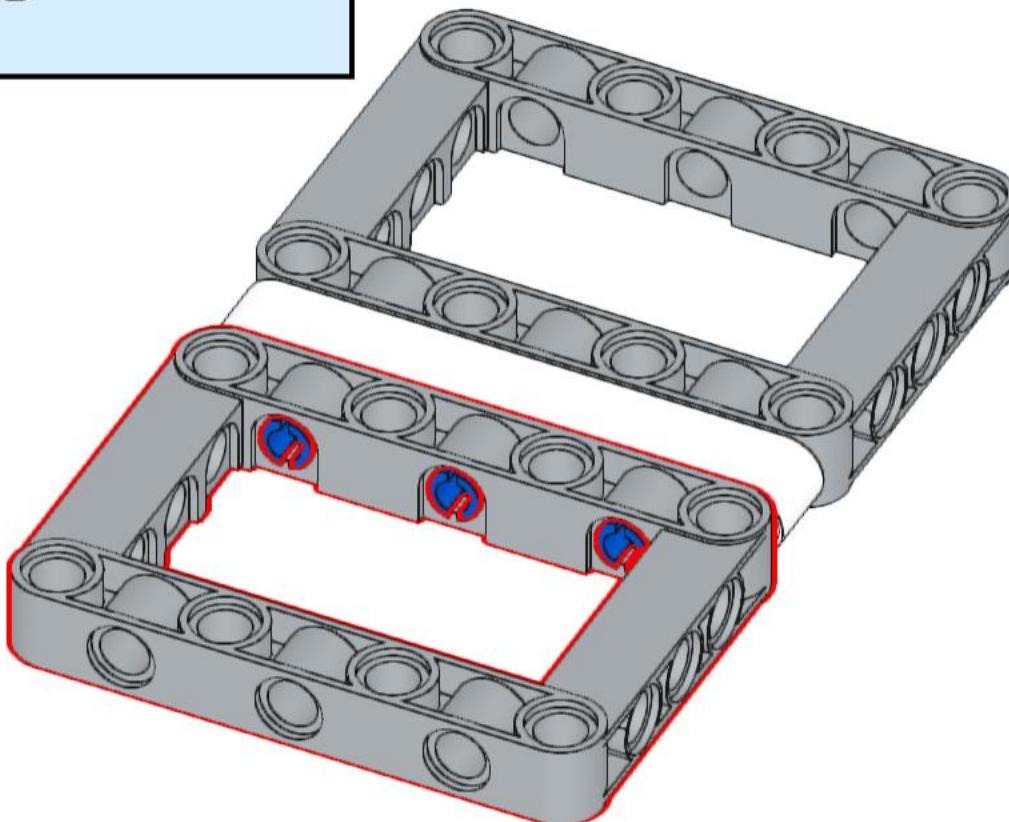
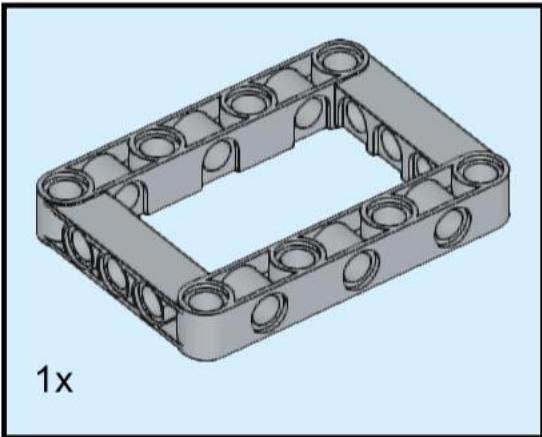
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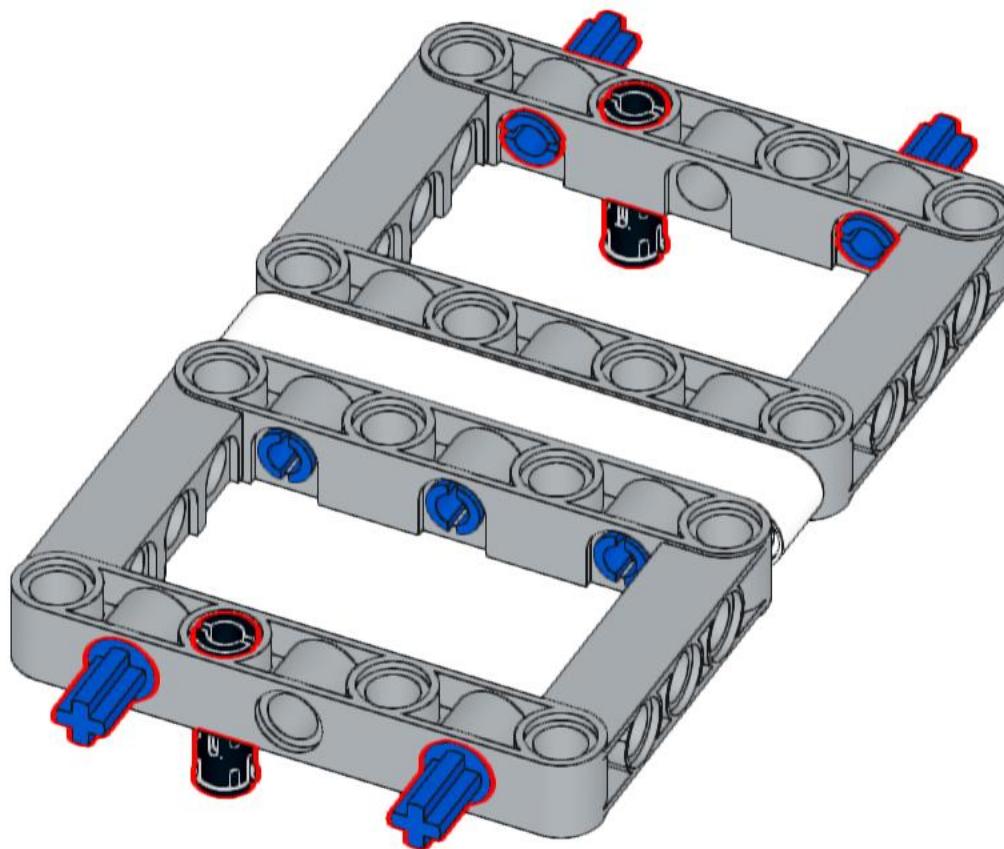
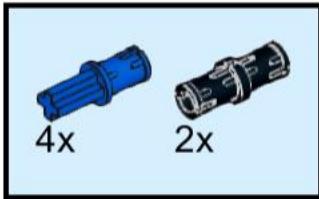
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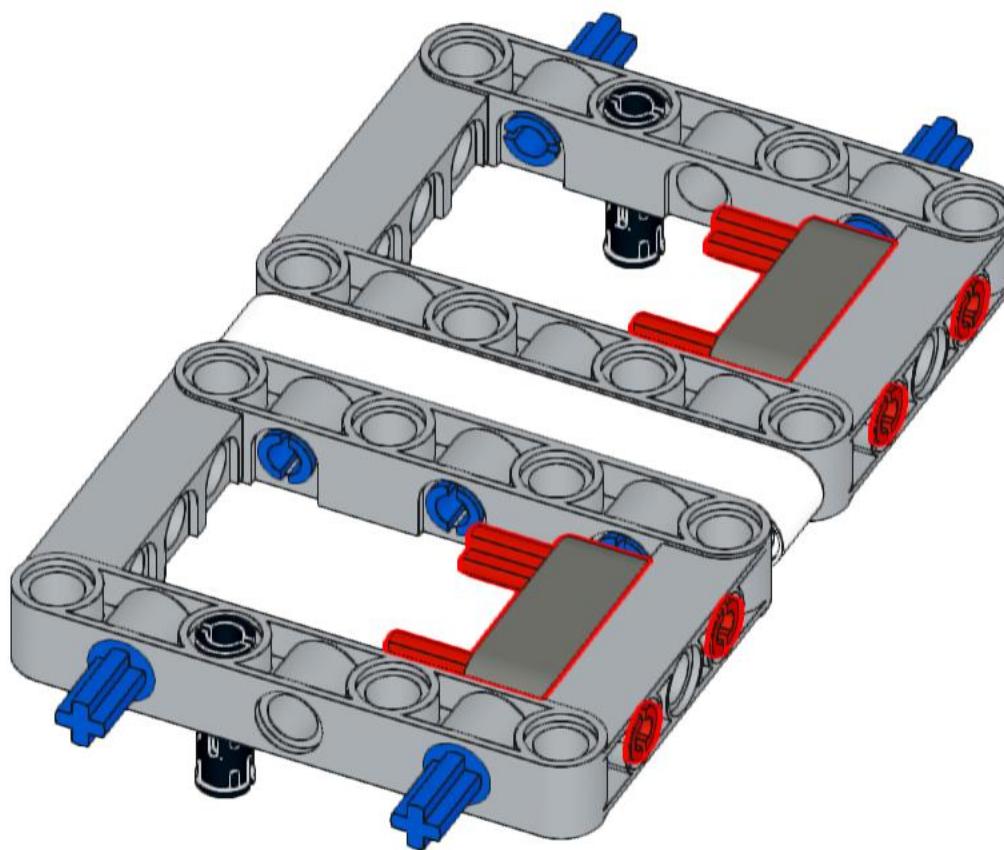
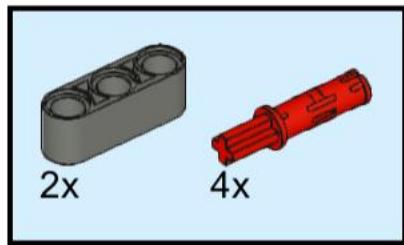
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51



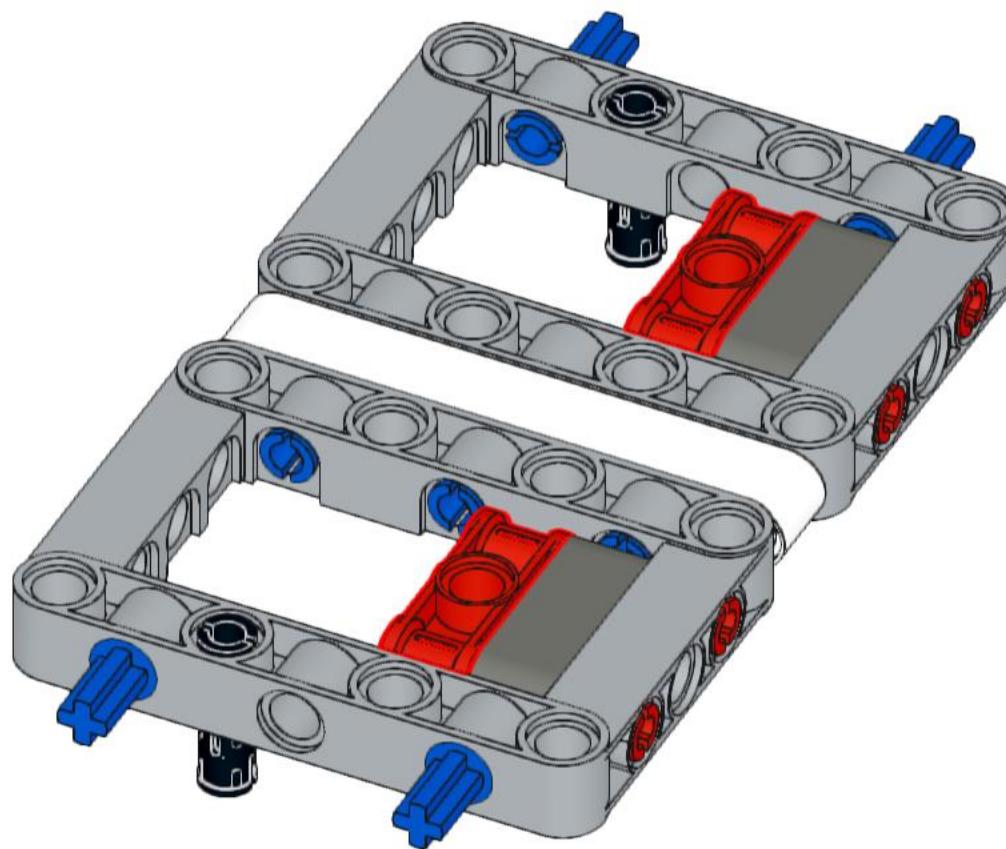
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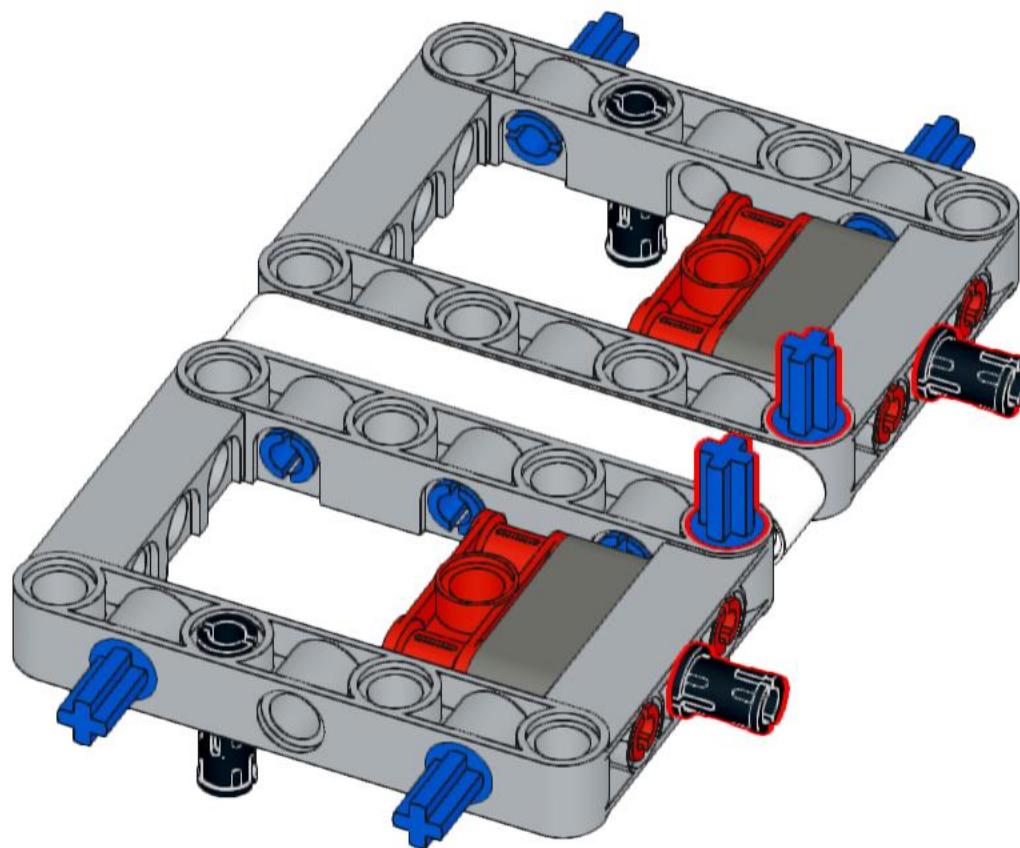
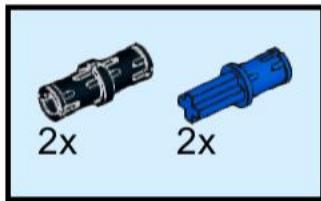
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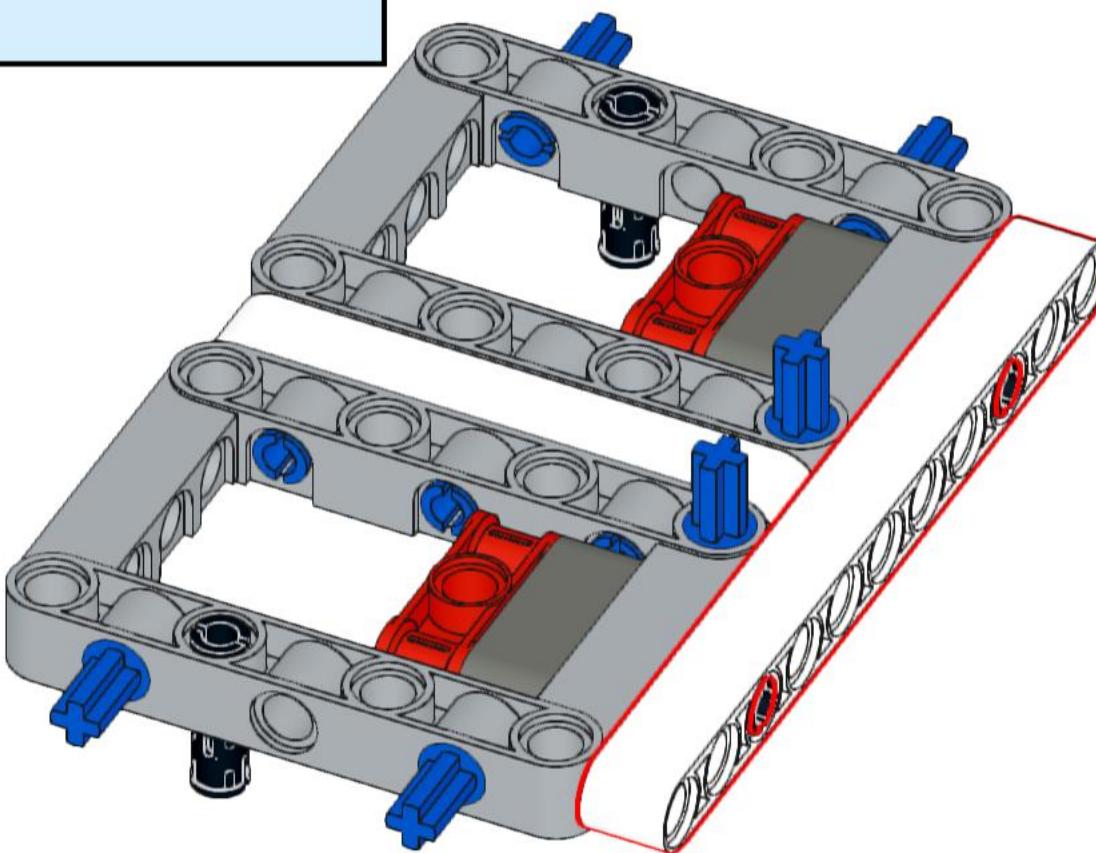
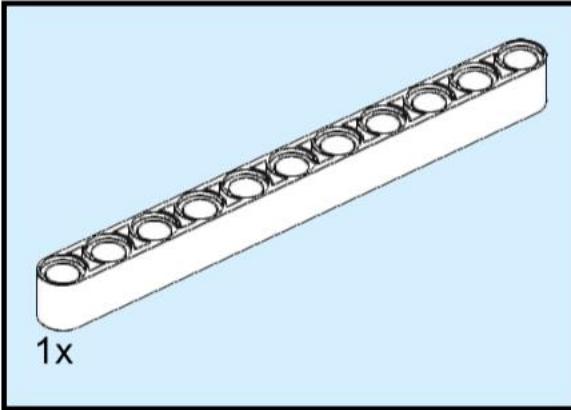
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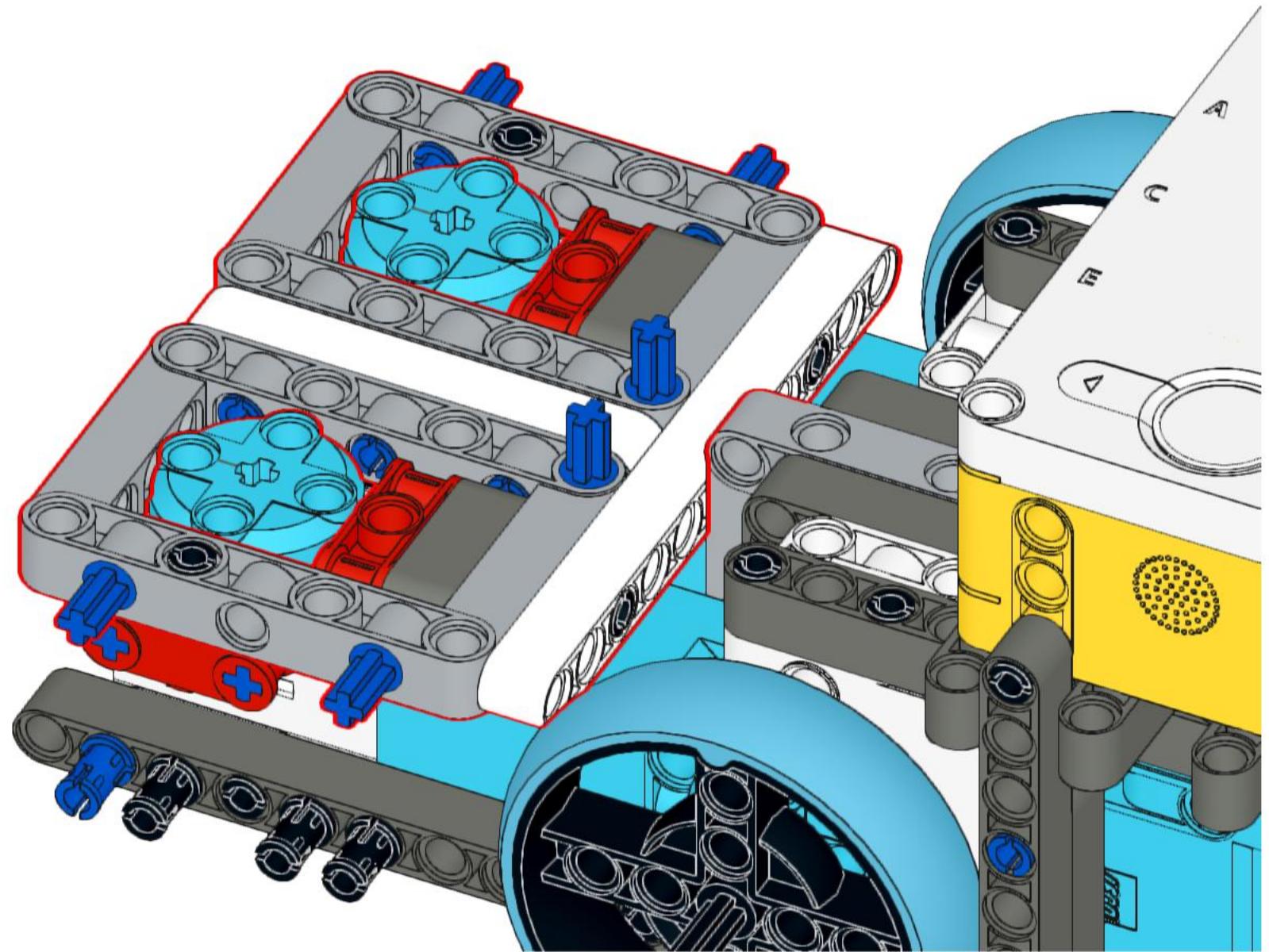
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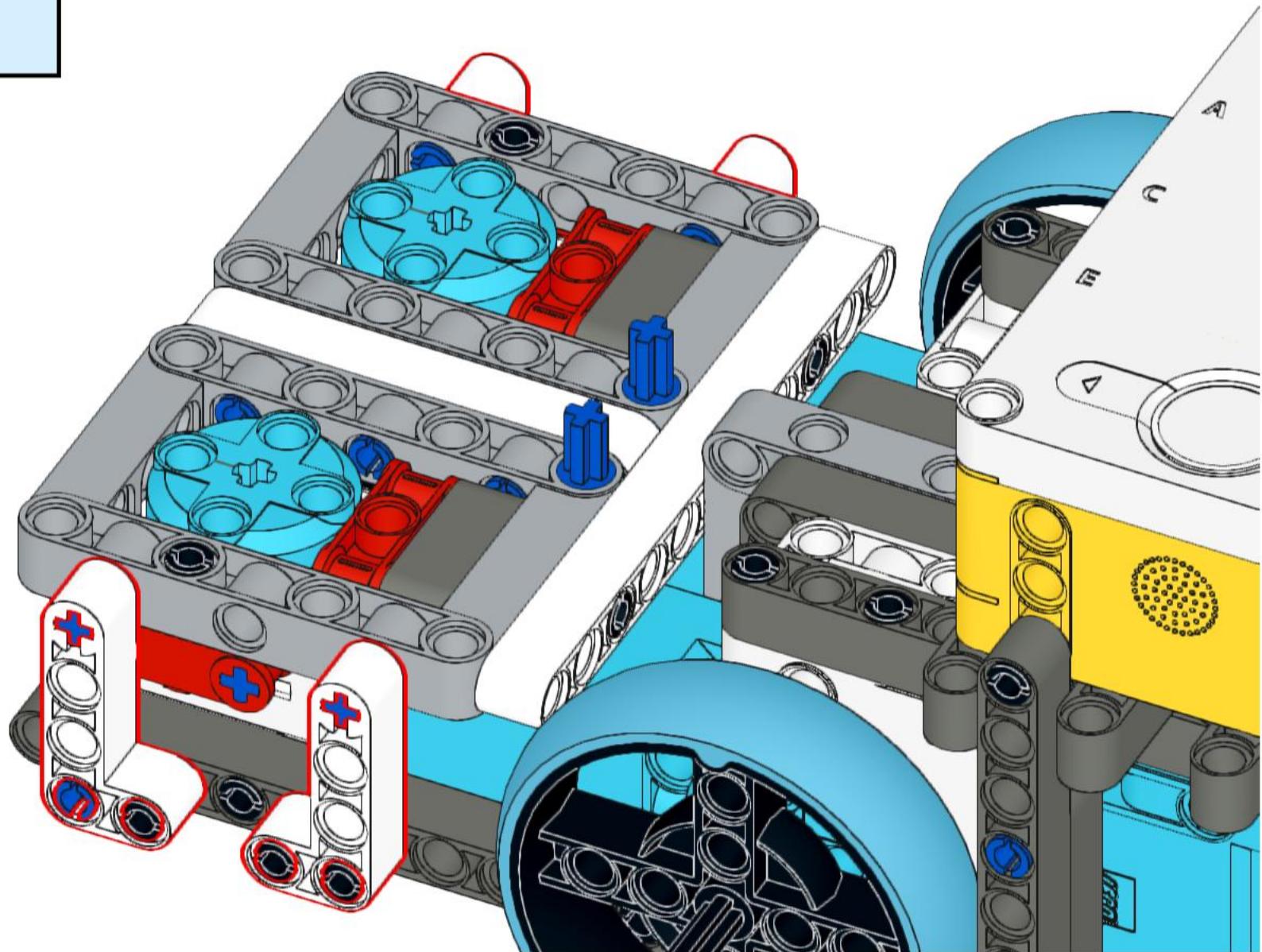
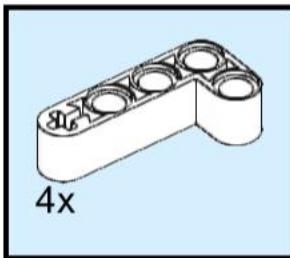
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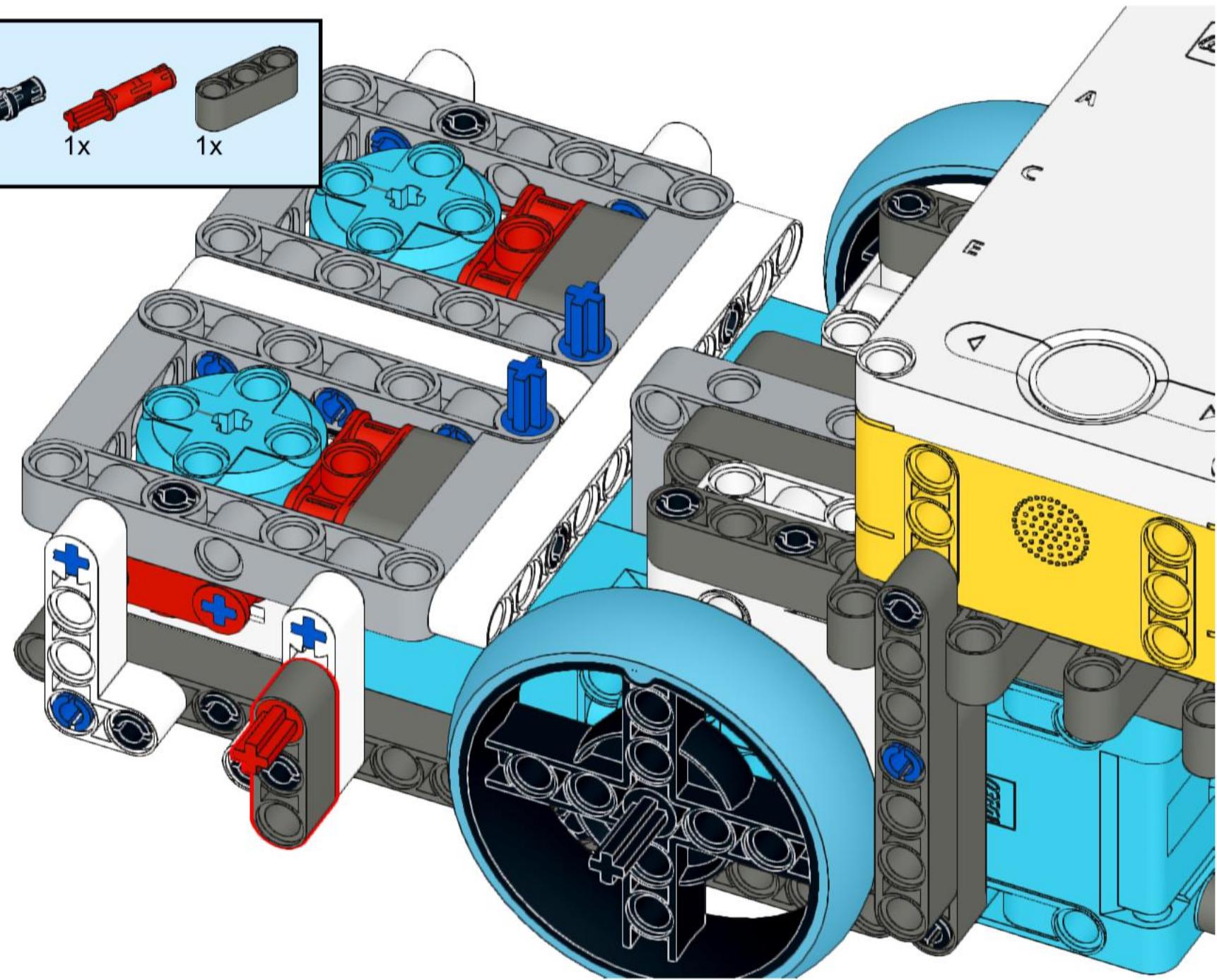
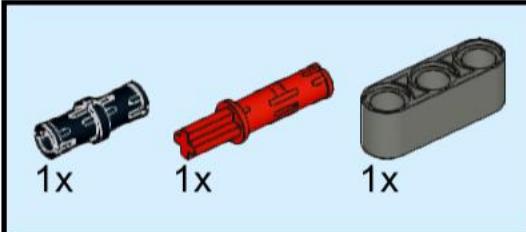
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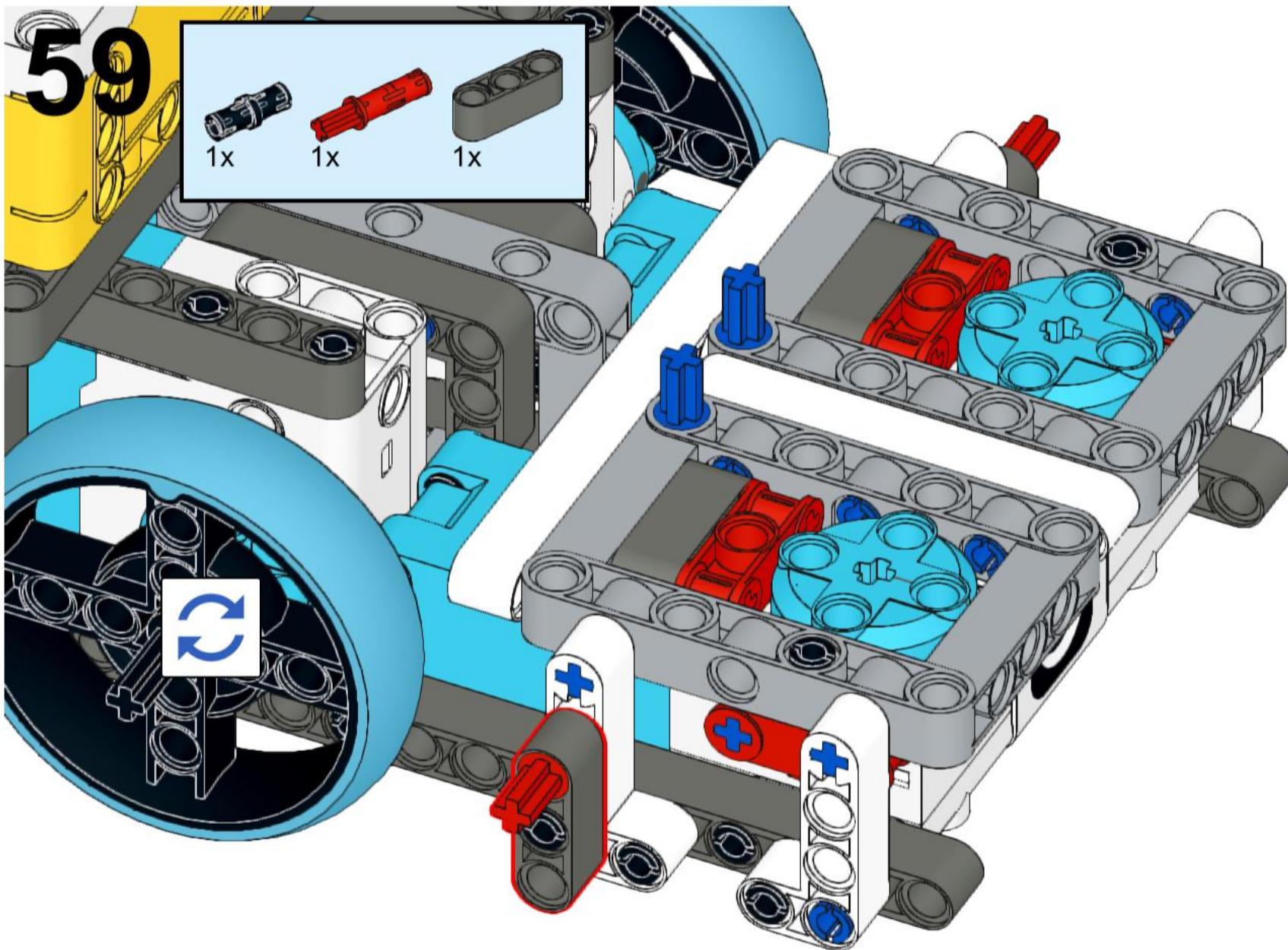
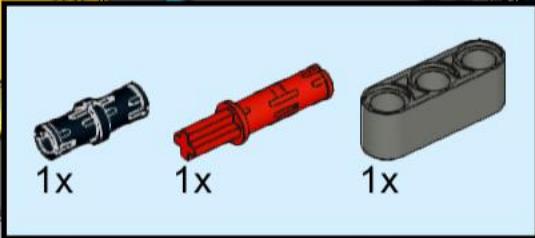
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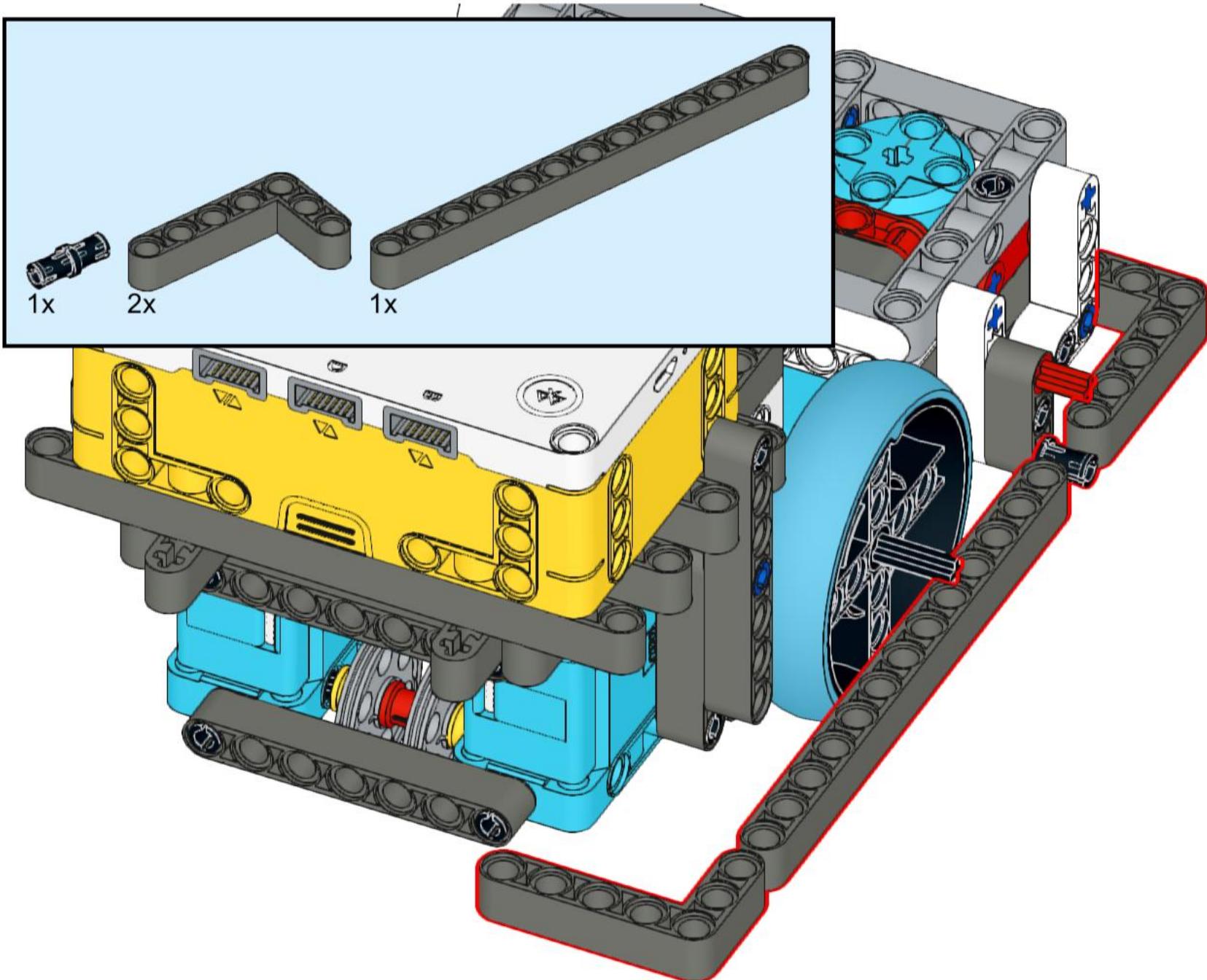
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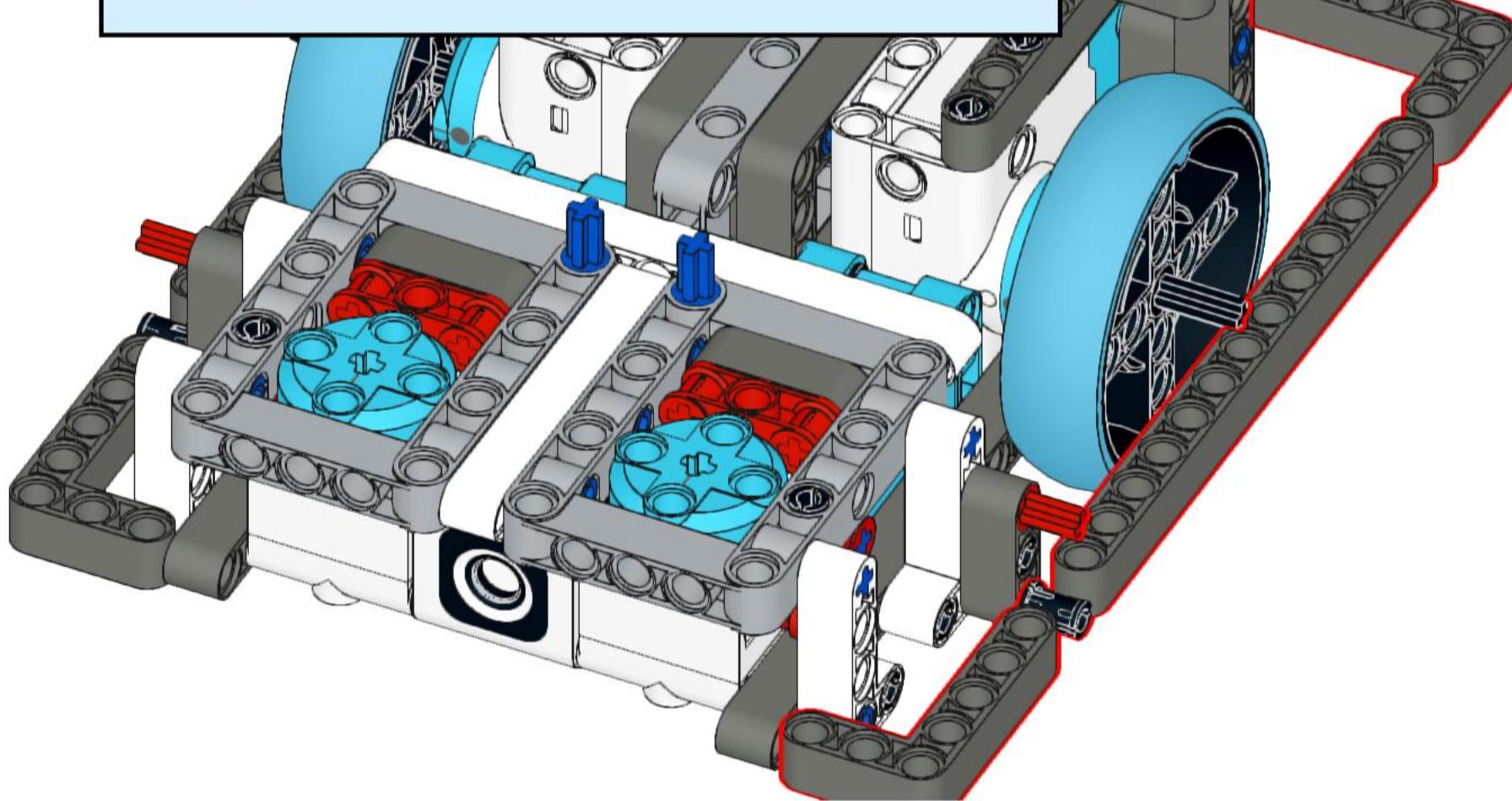
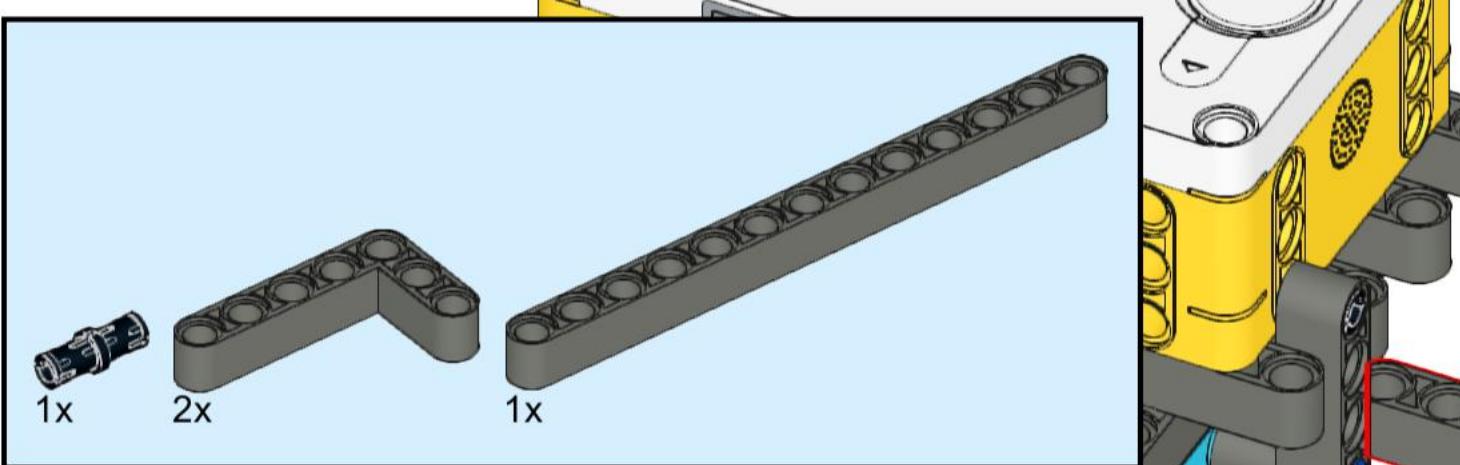
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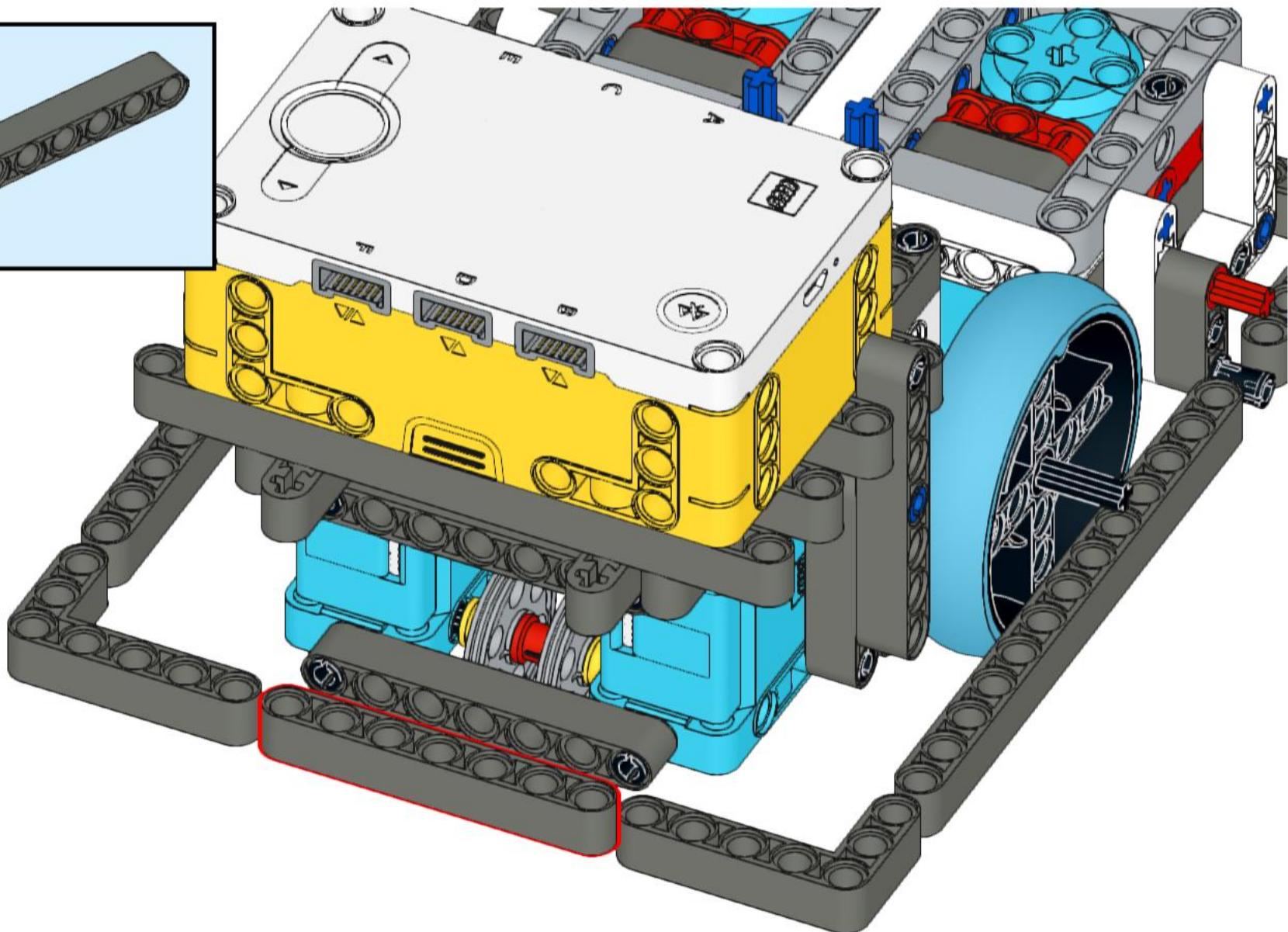
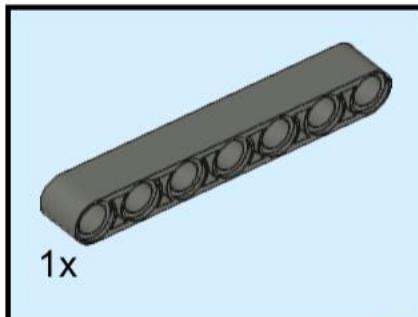
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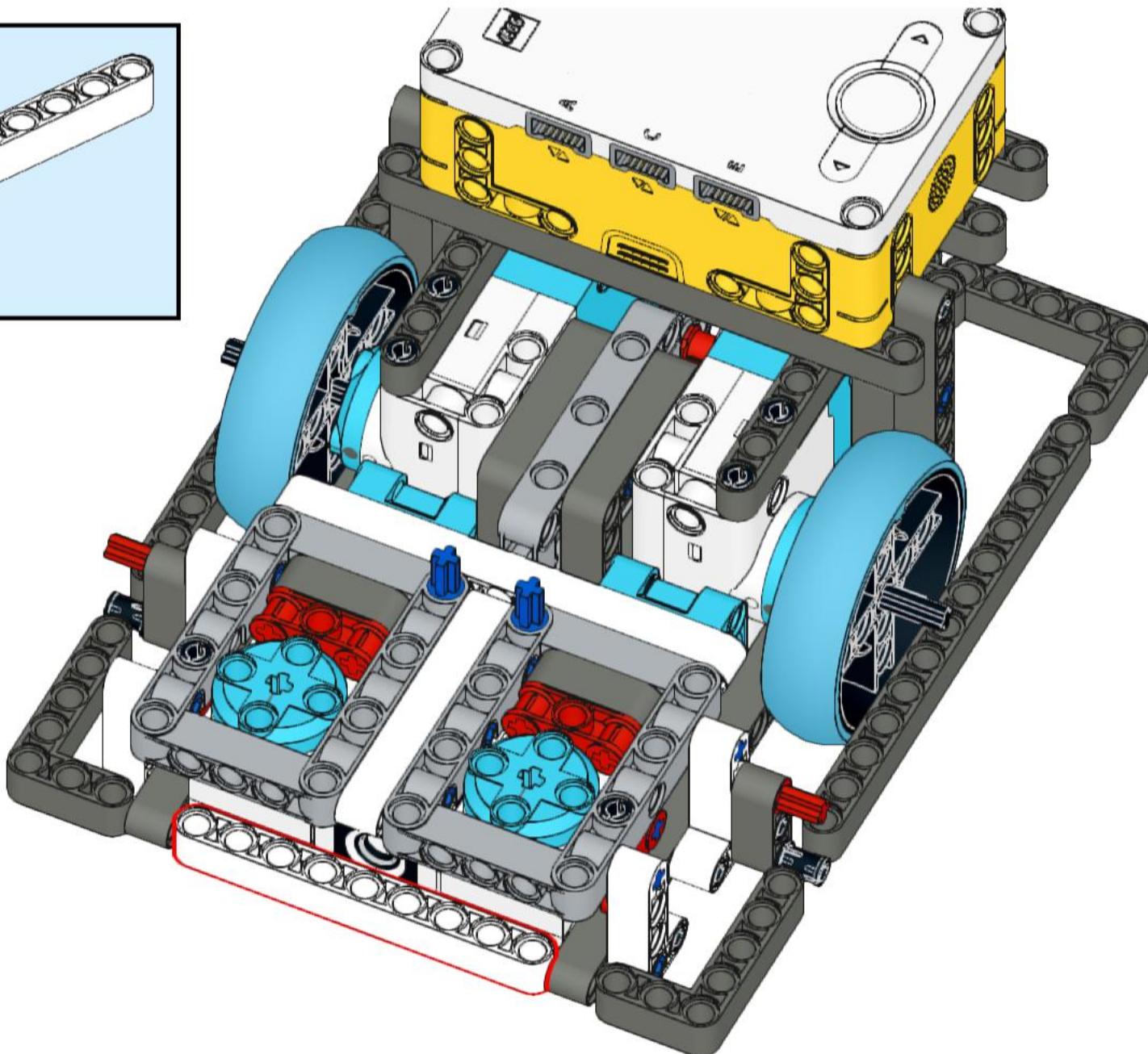
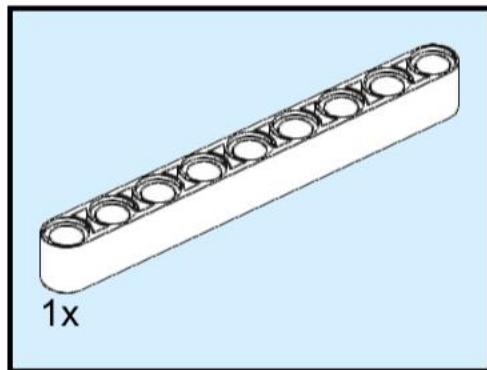
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62



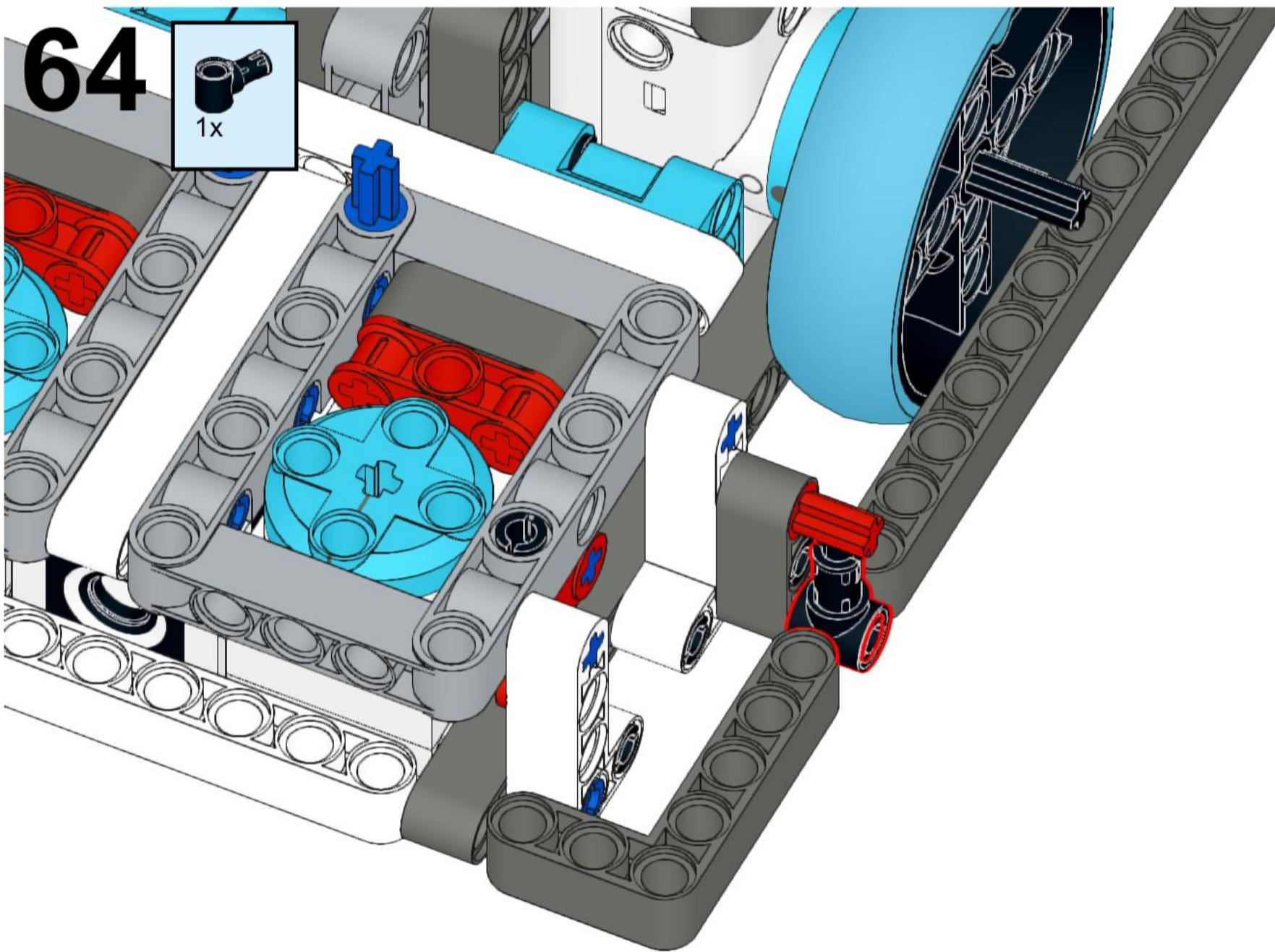
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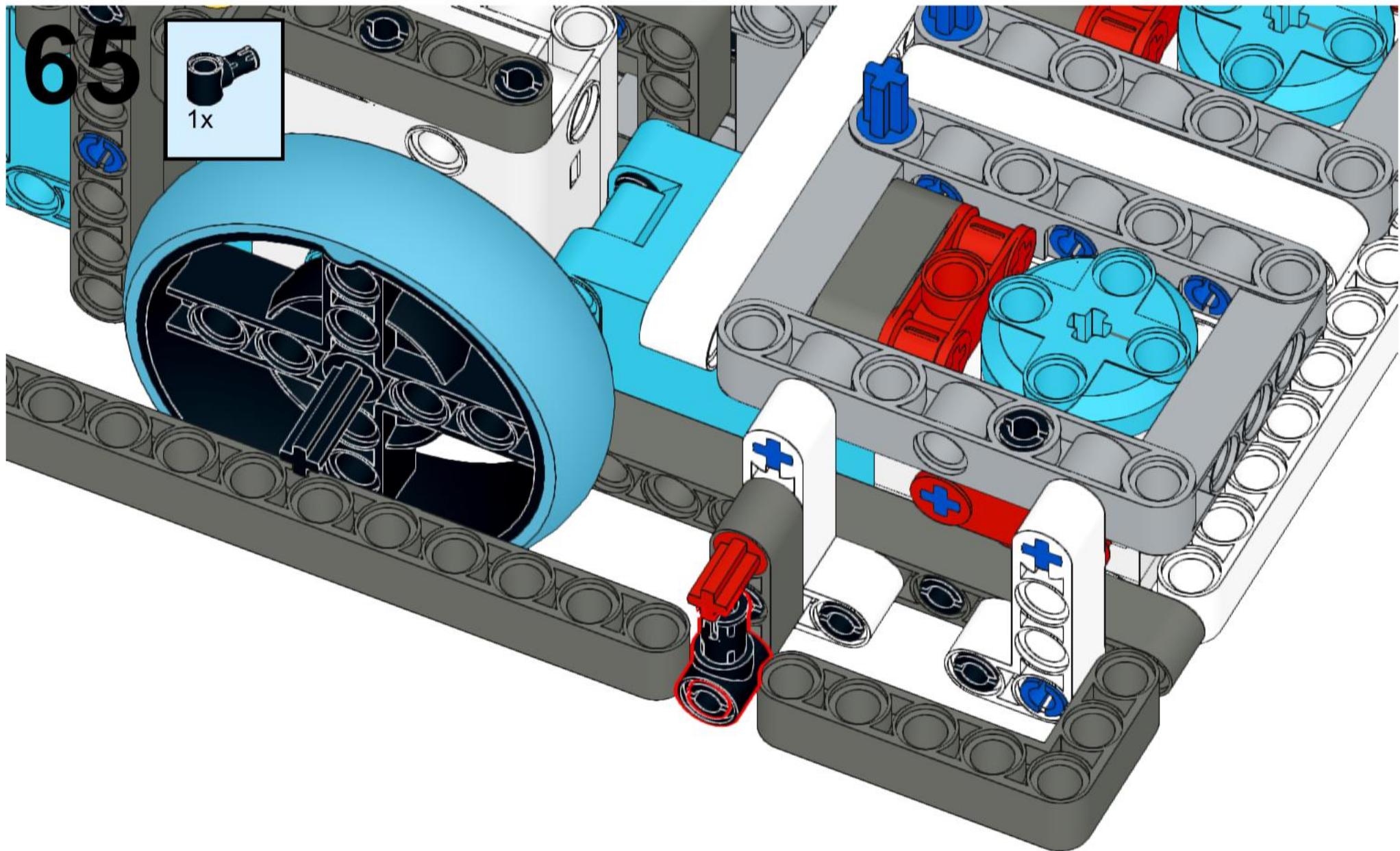
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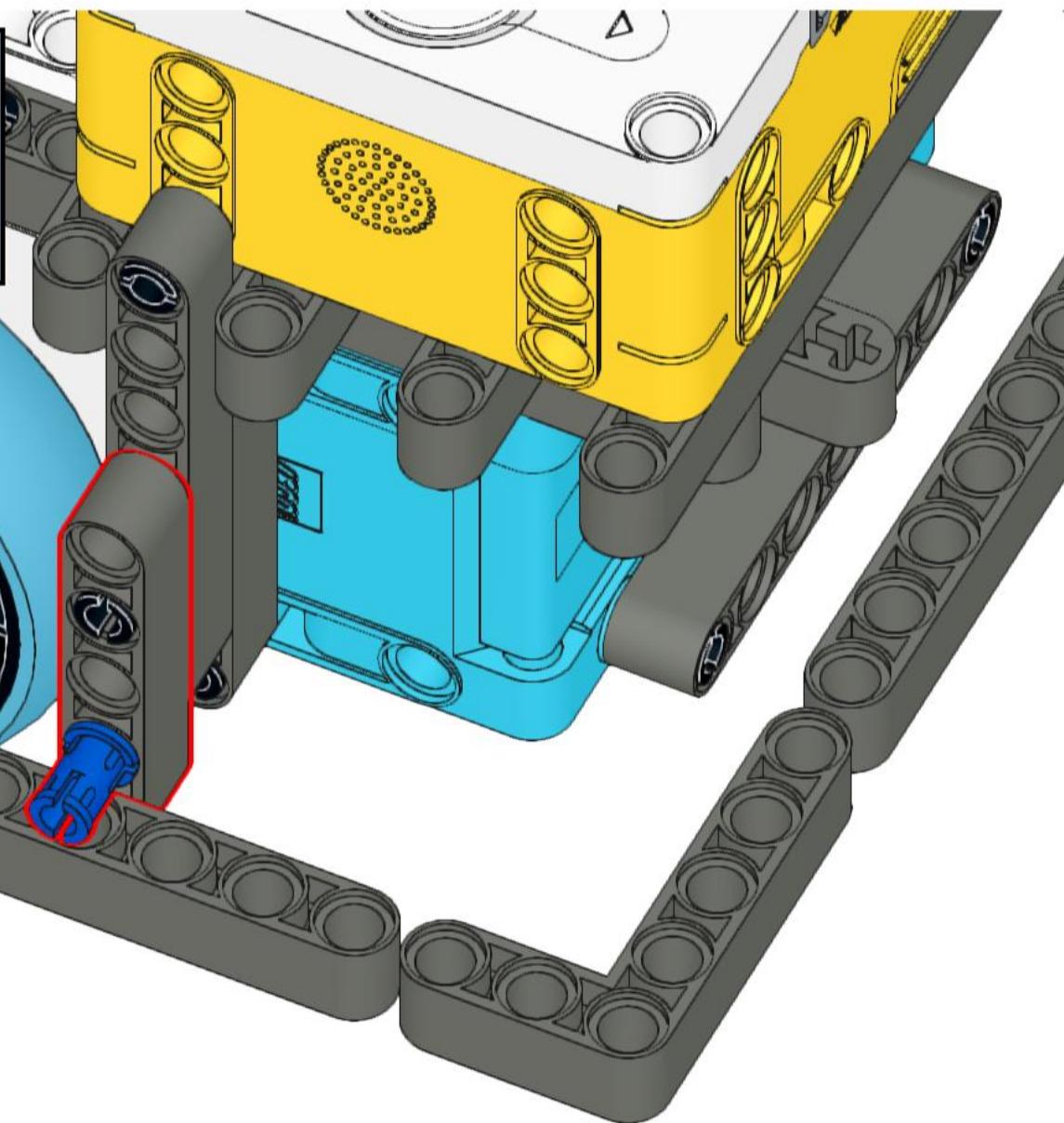
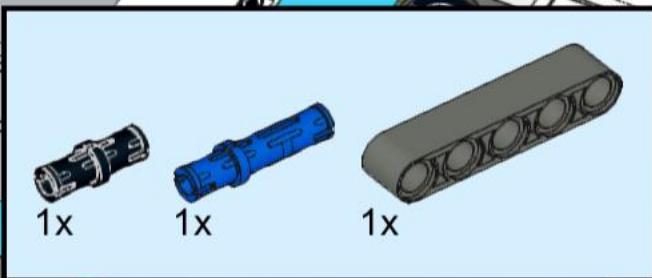
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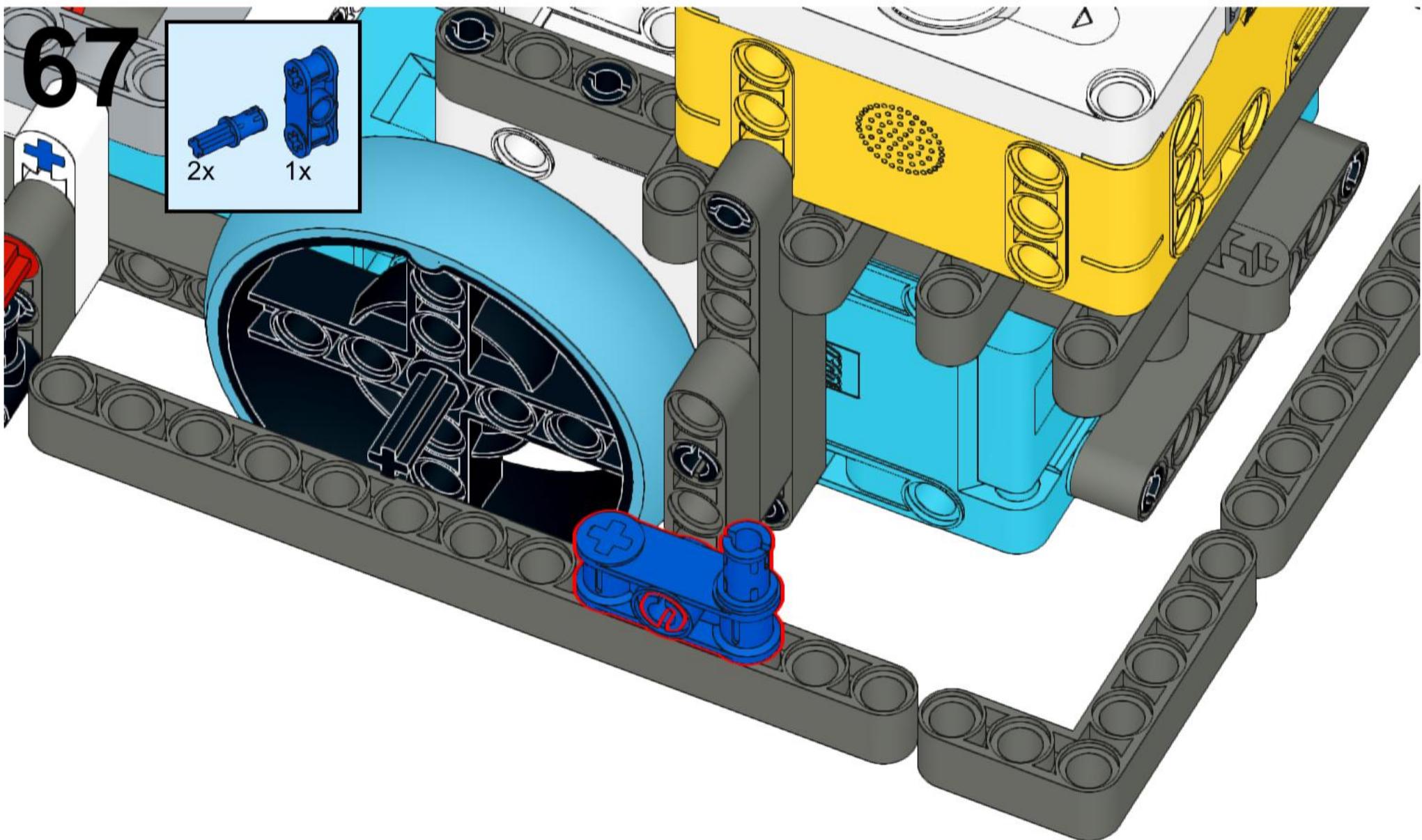
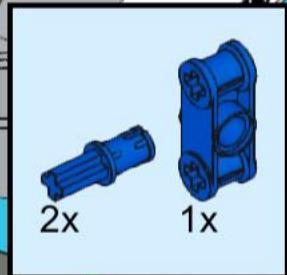
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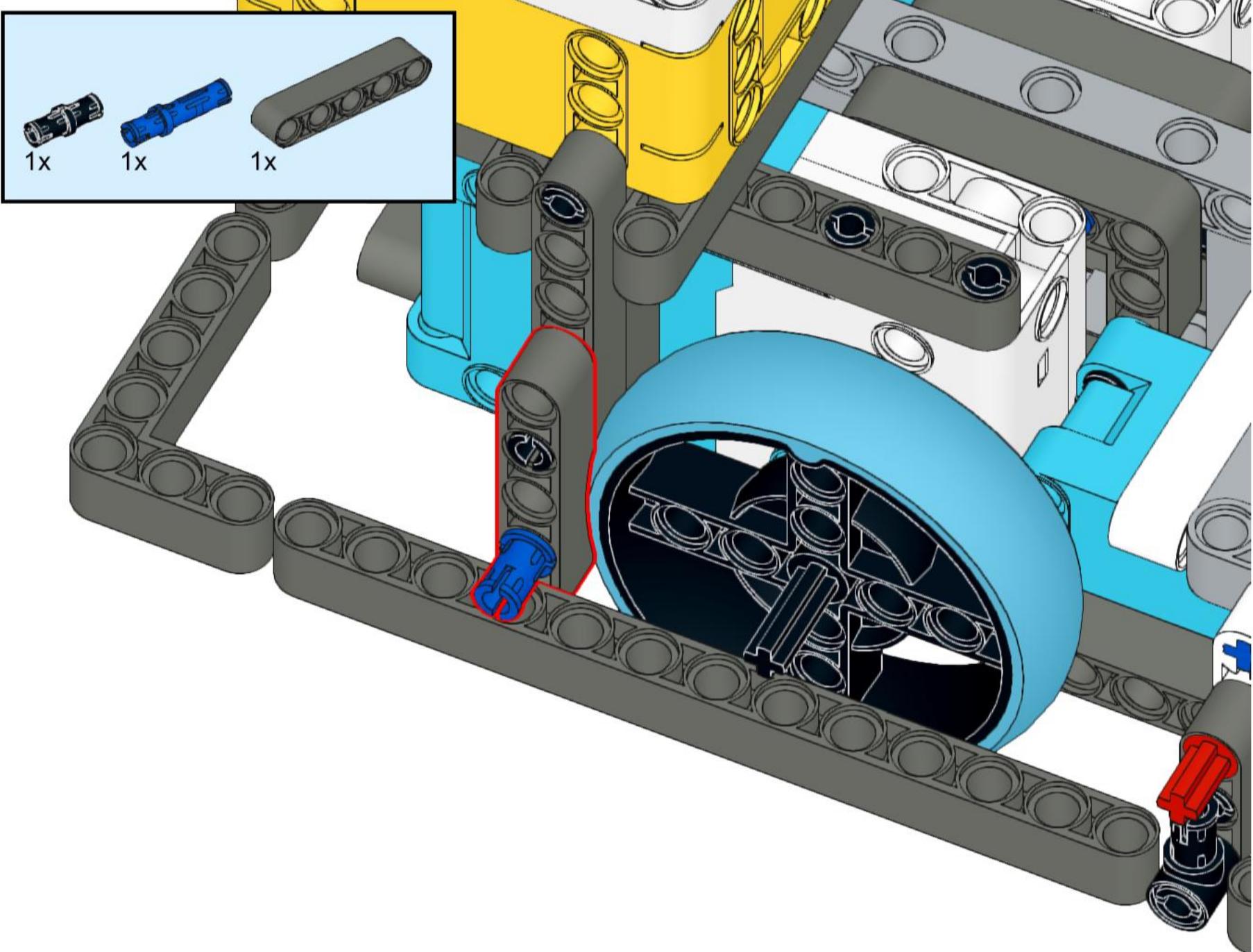
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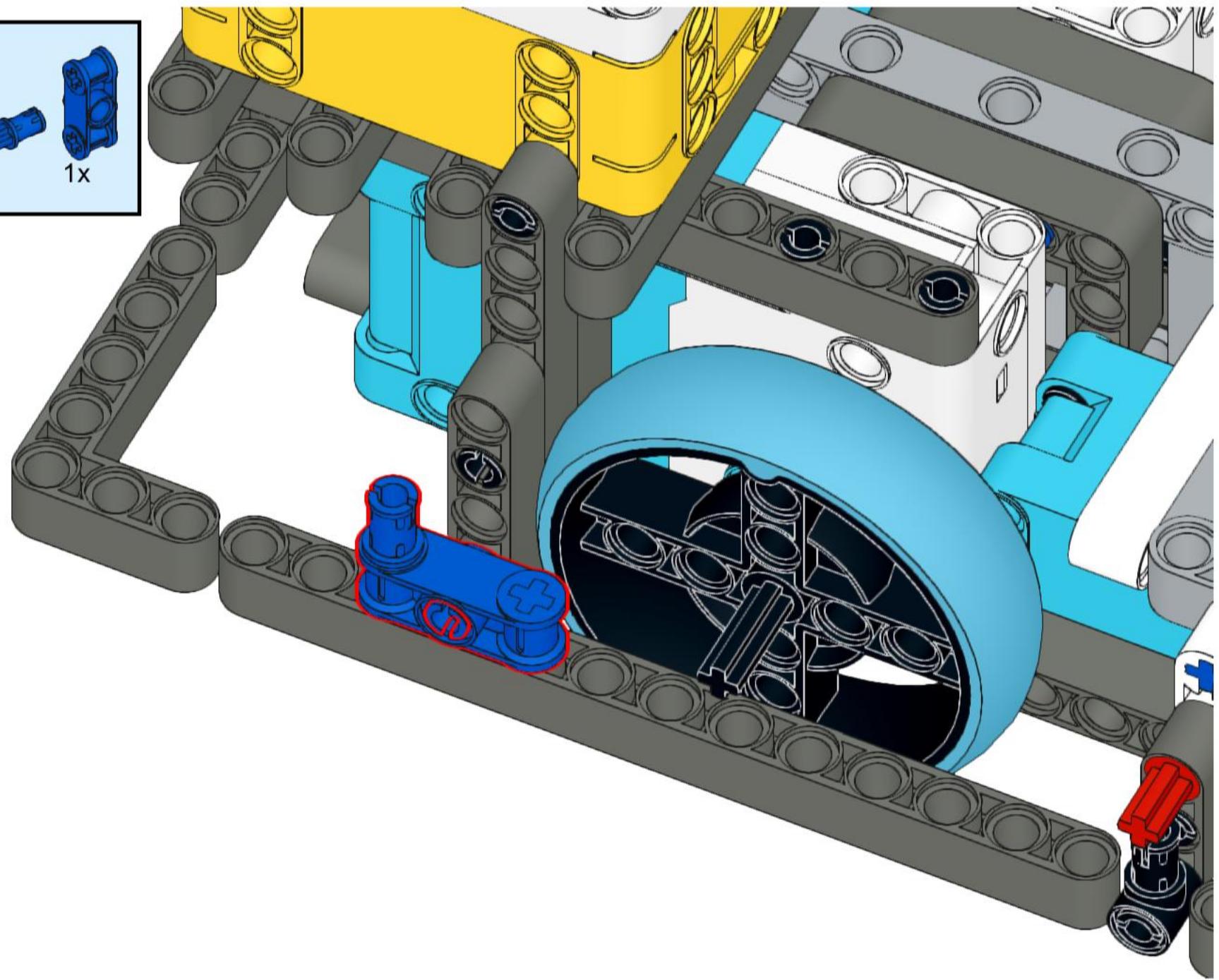
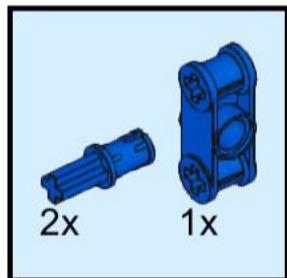
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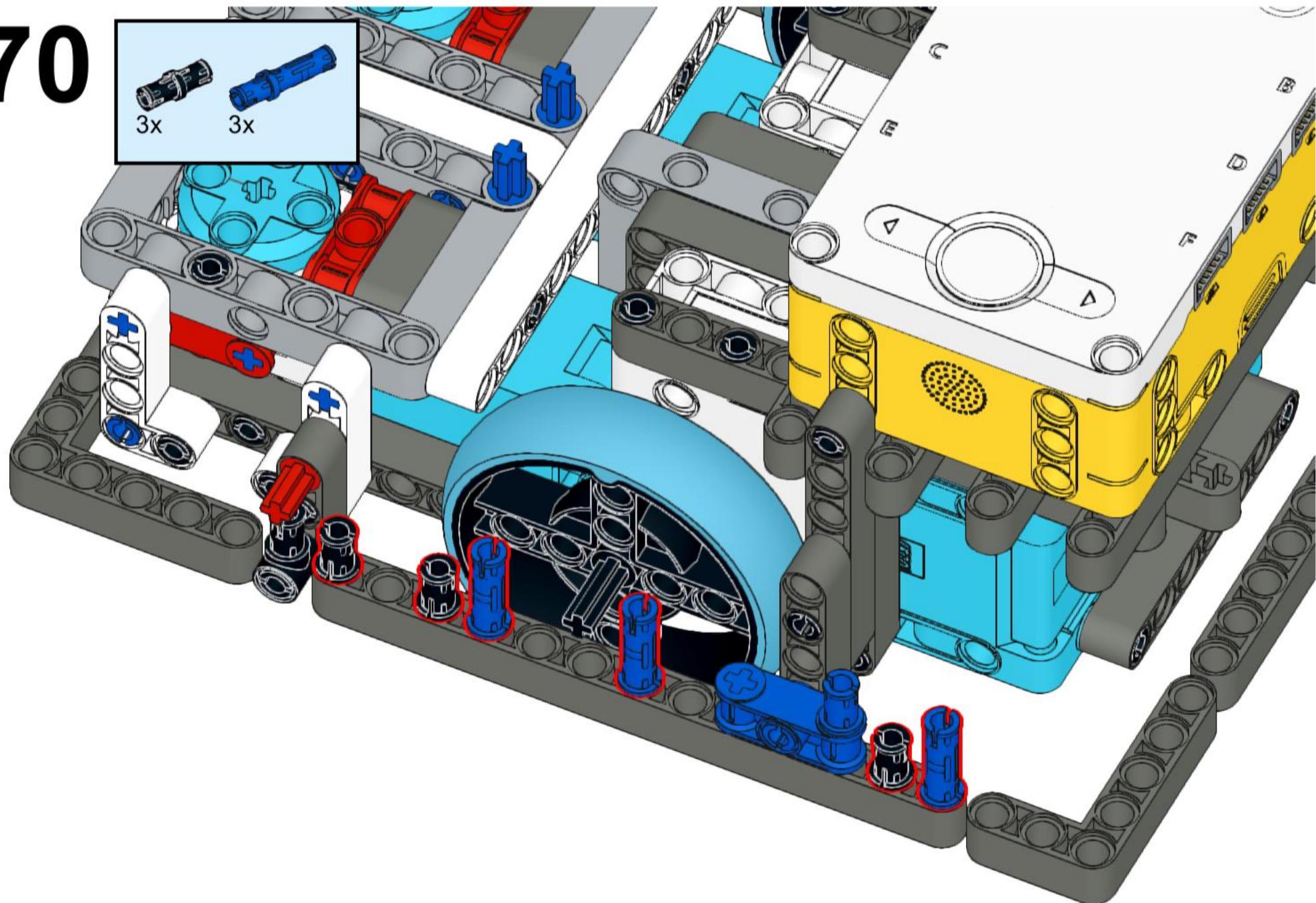
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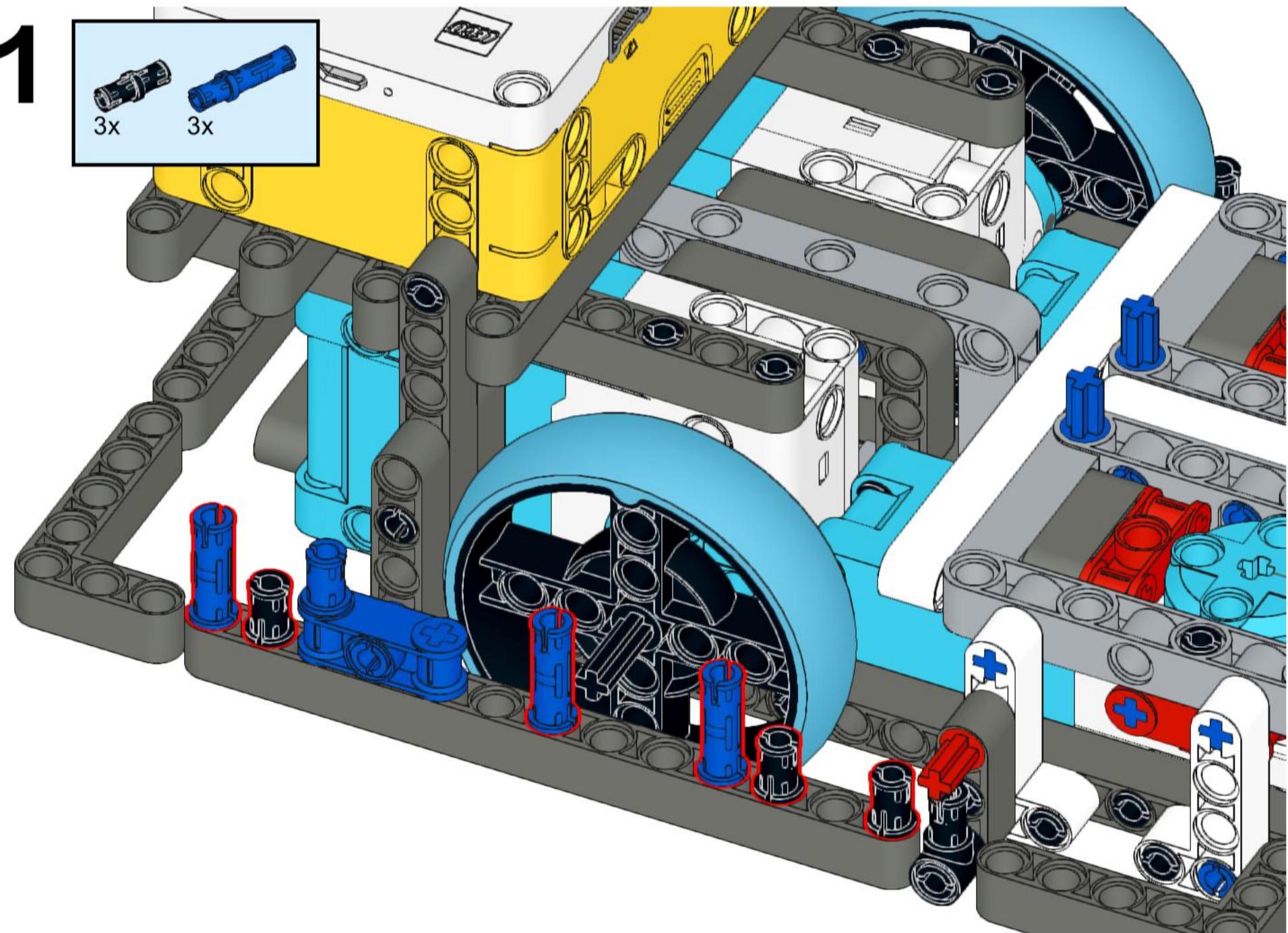
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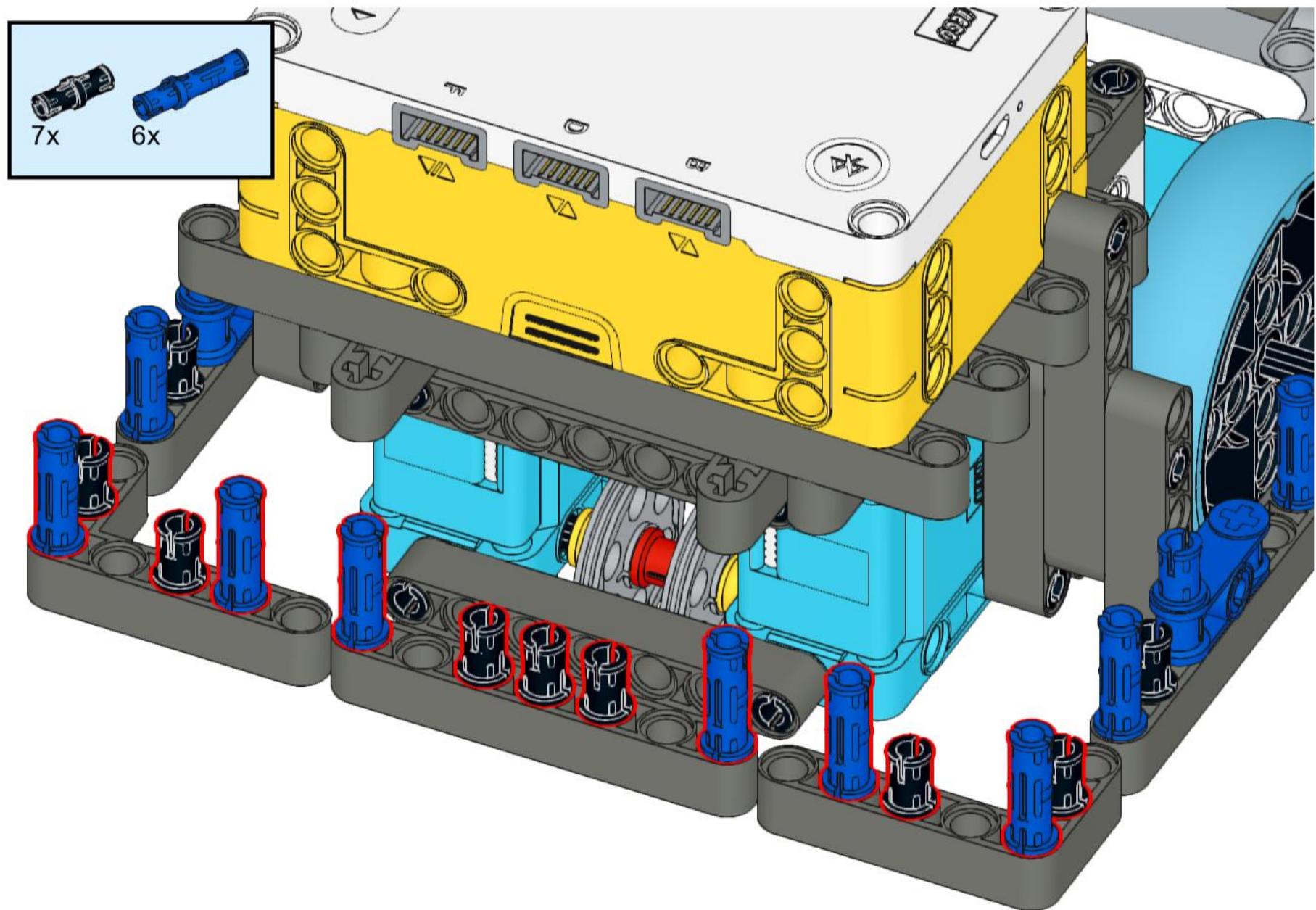
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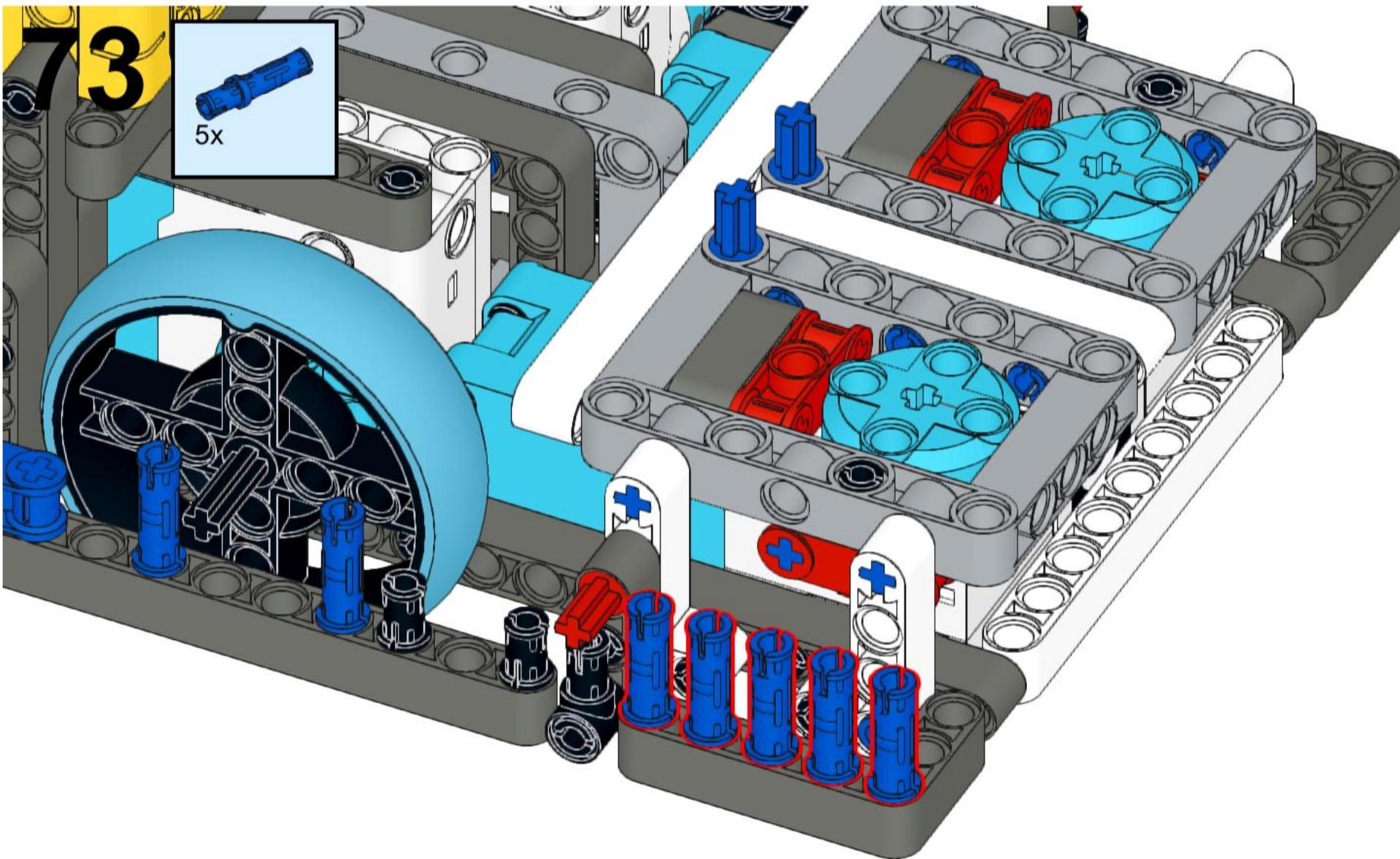


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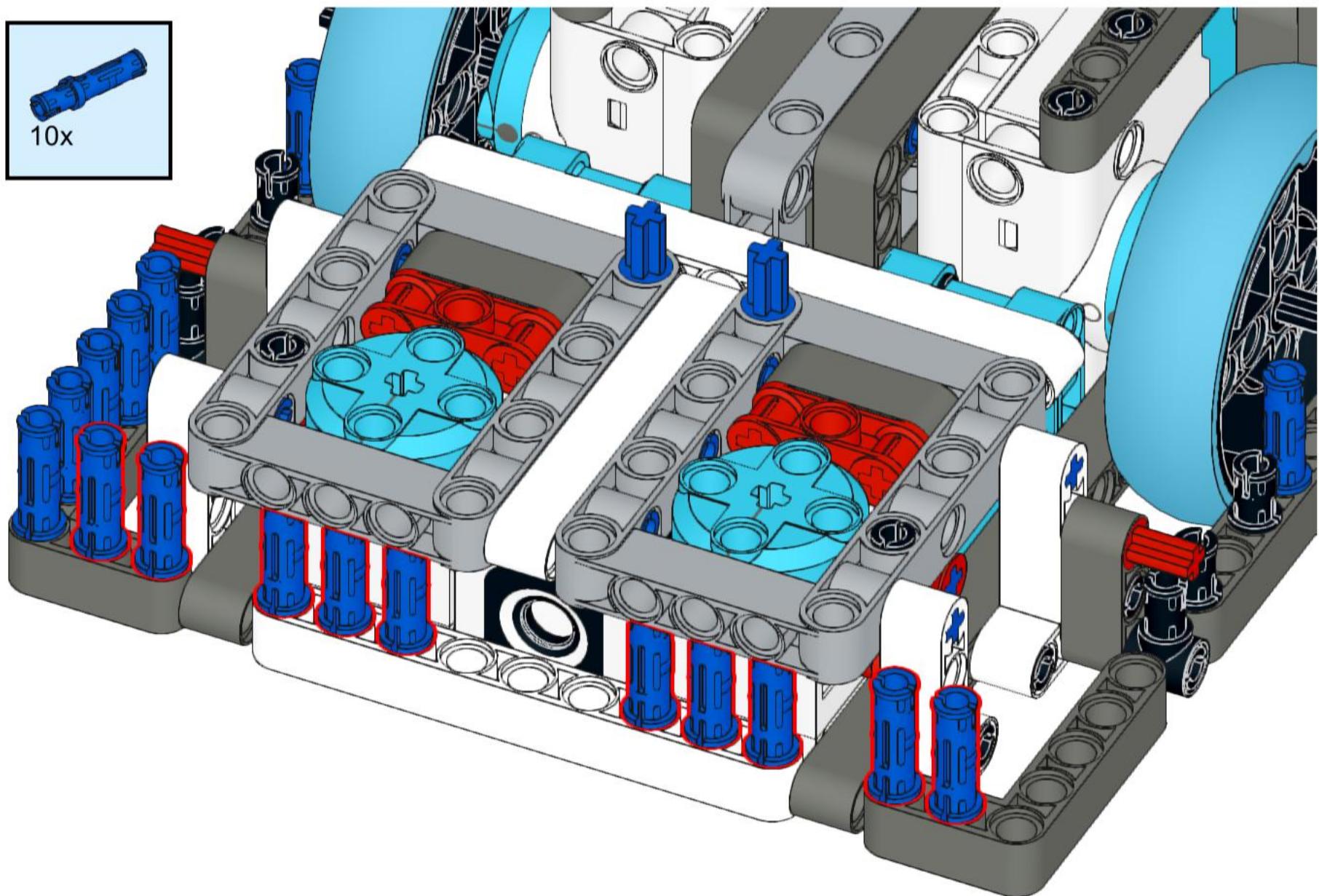
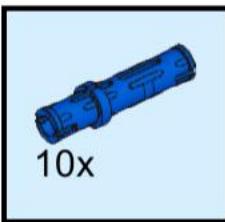




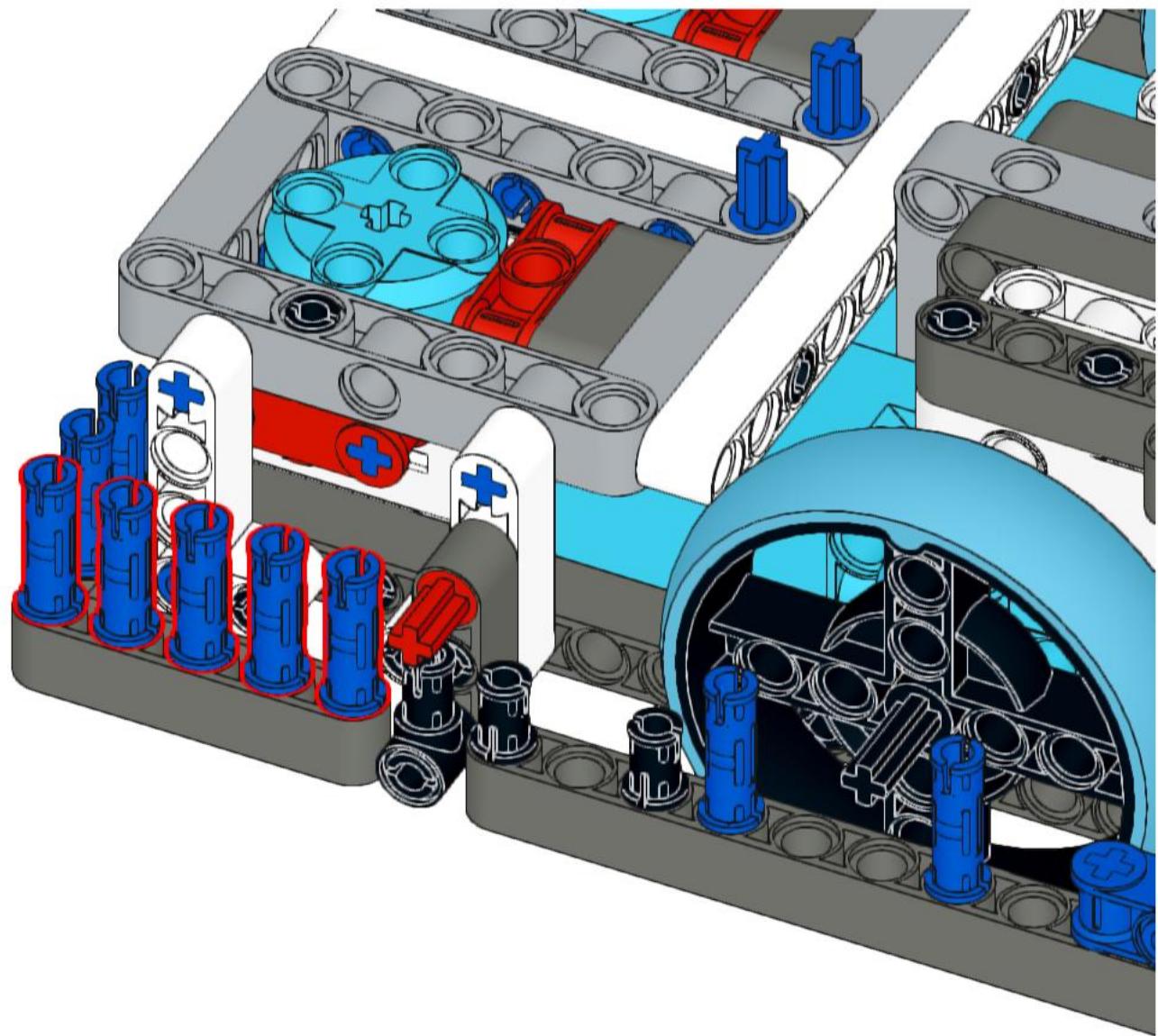
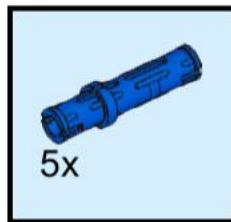
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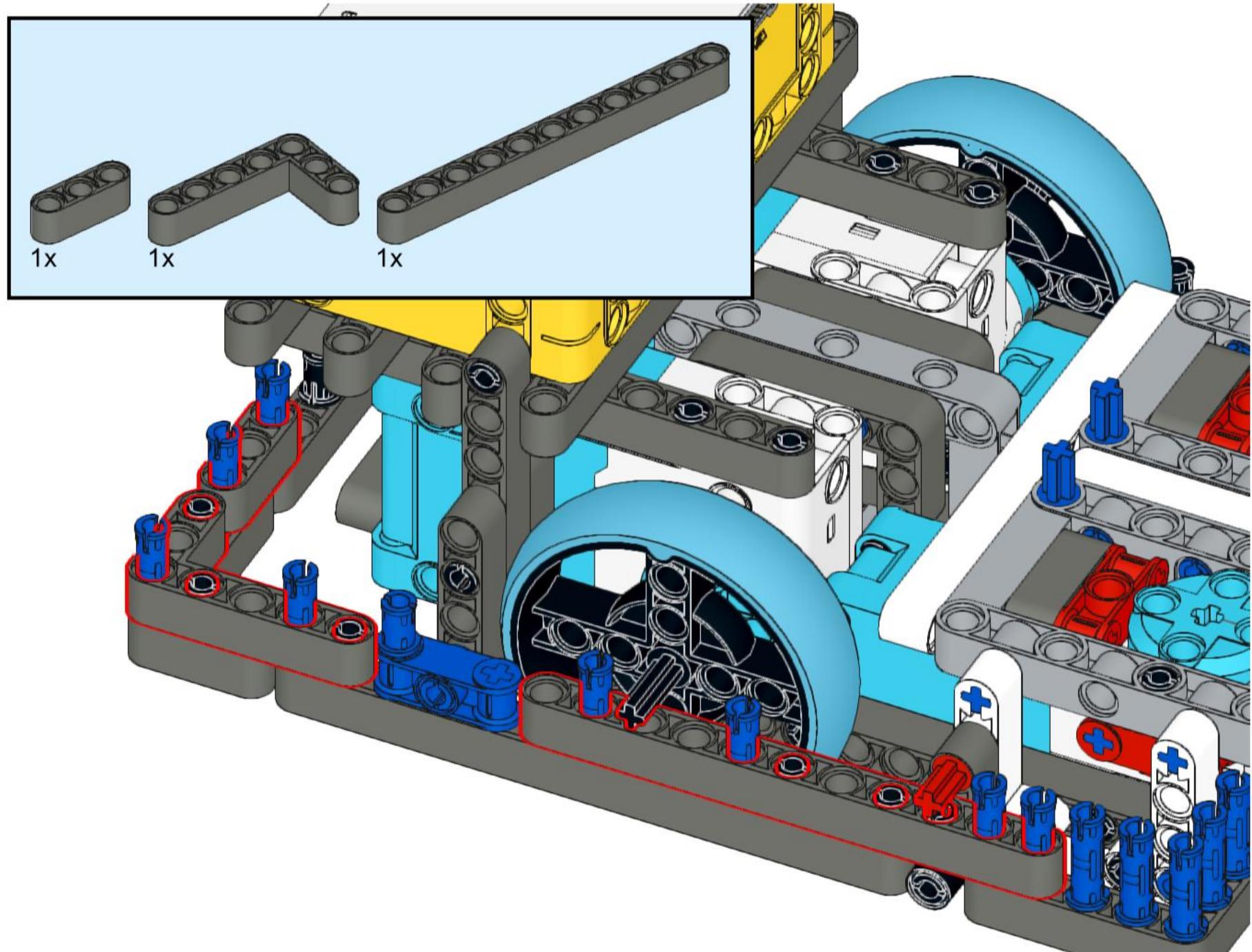
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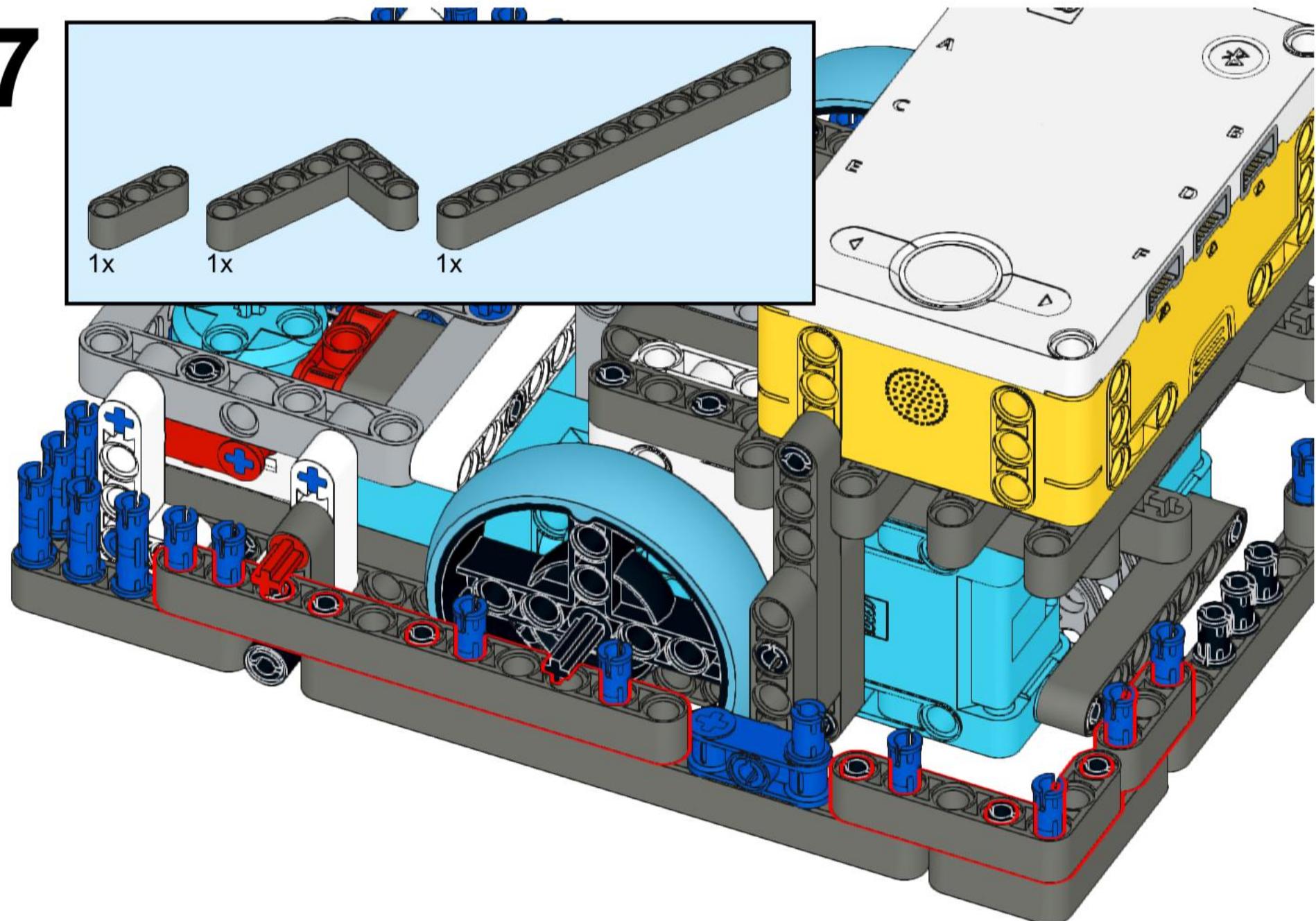
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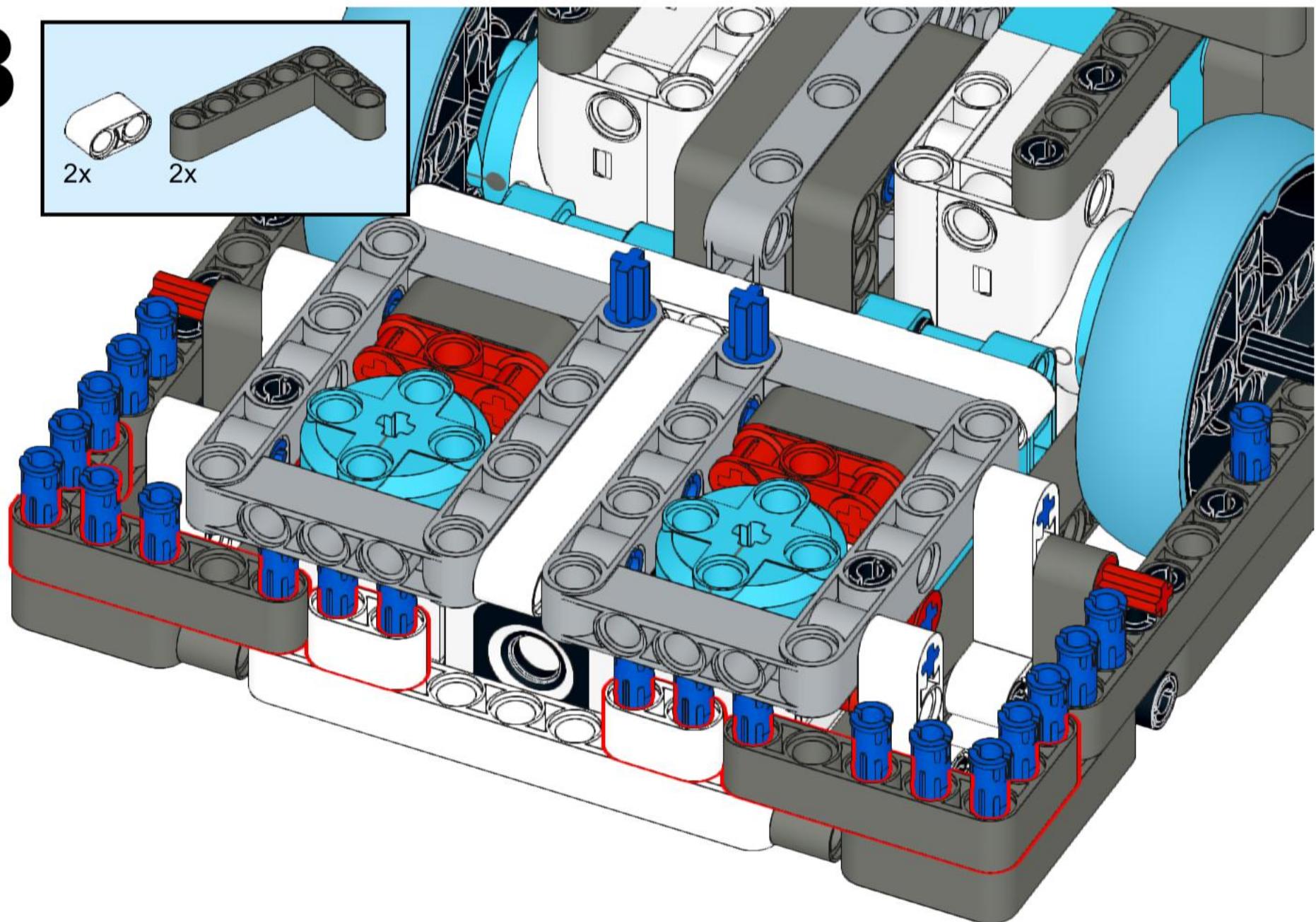
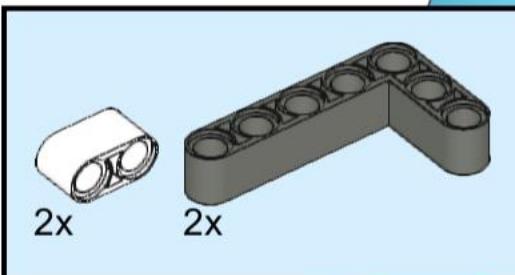
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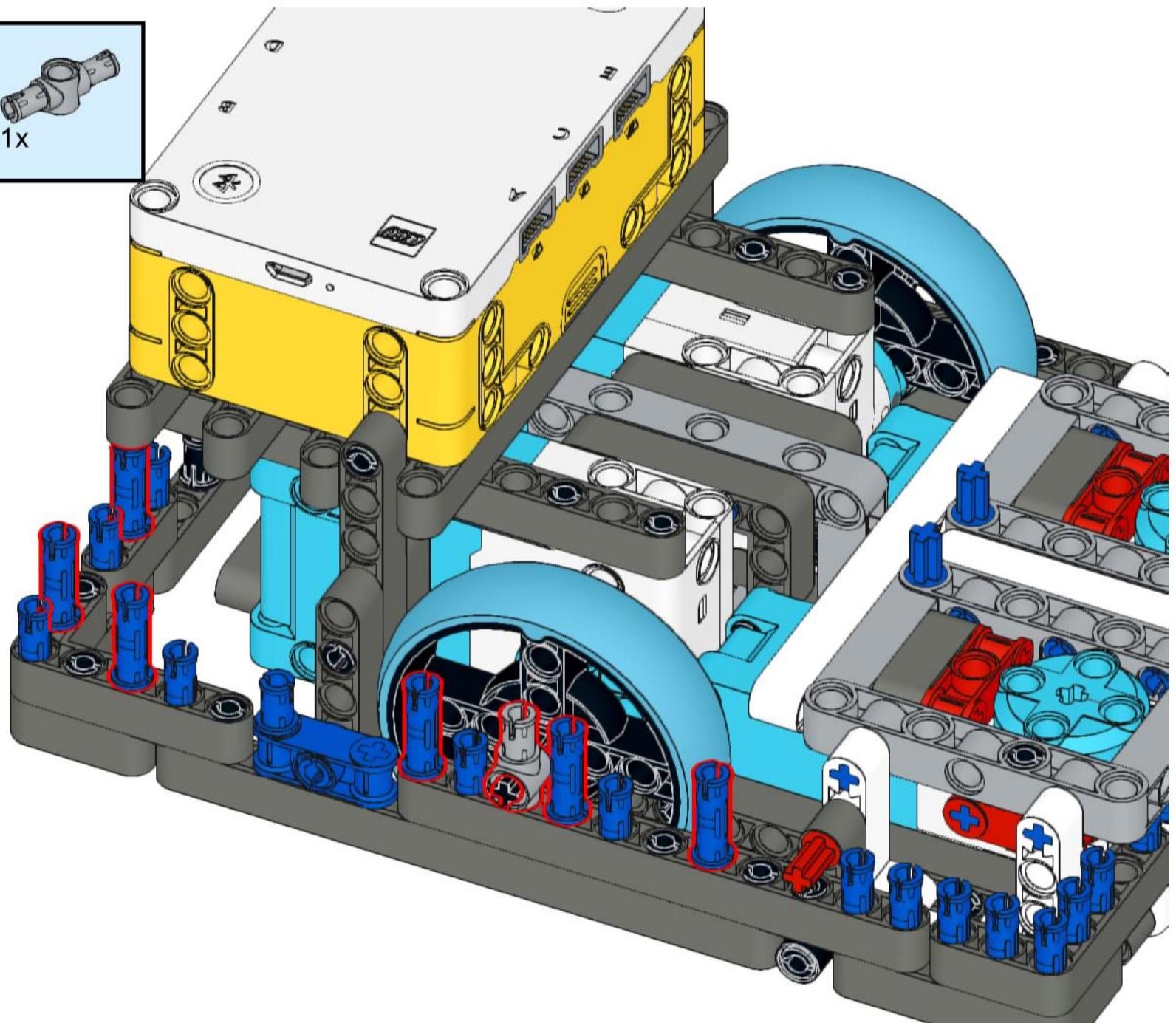
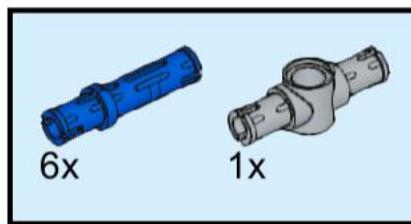
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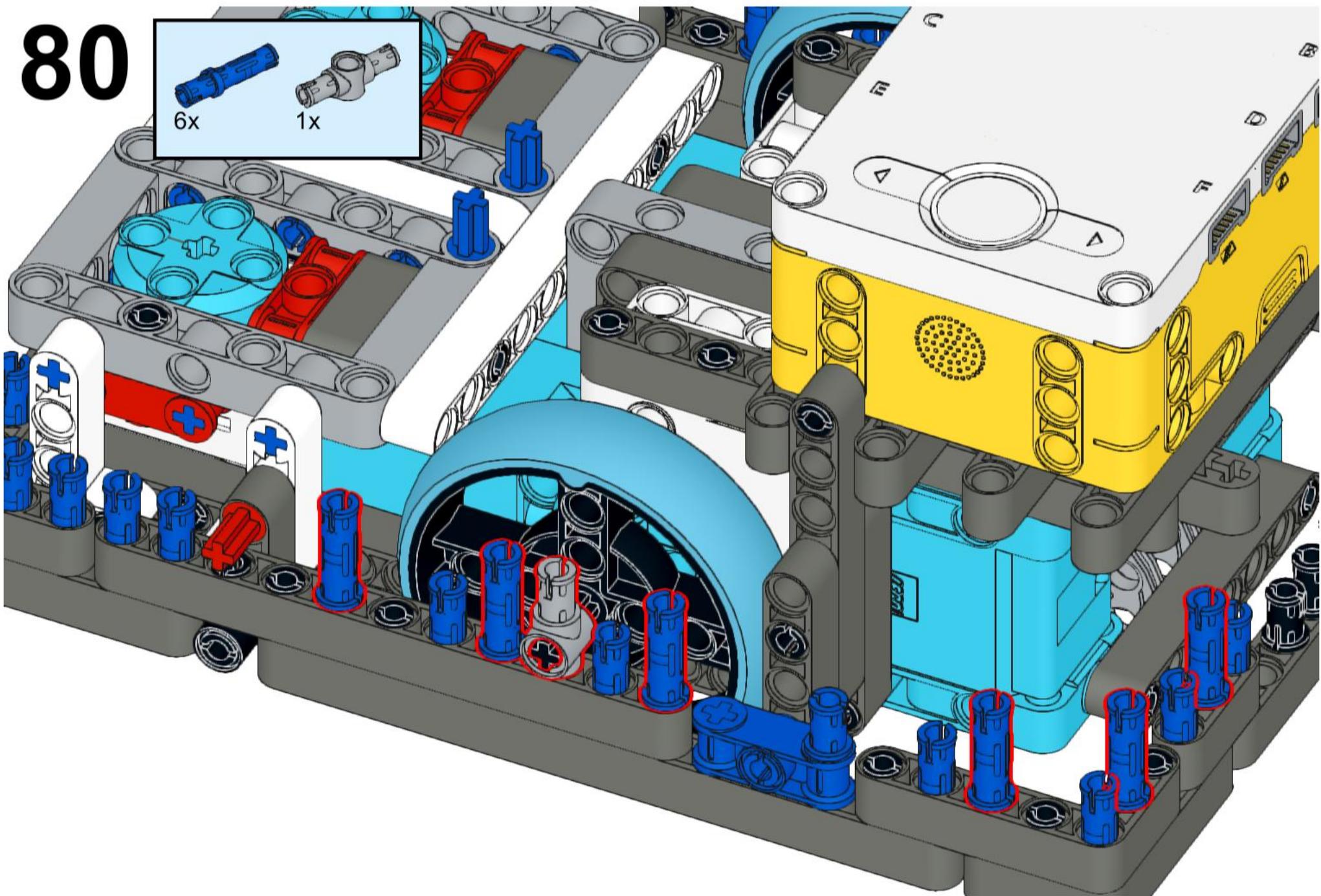
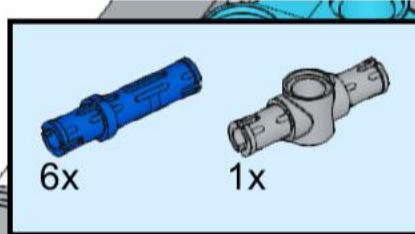
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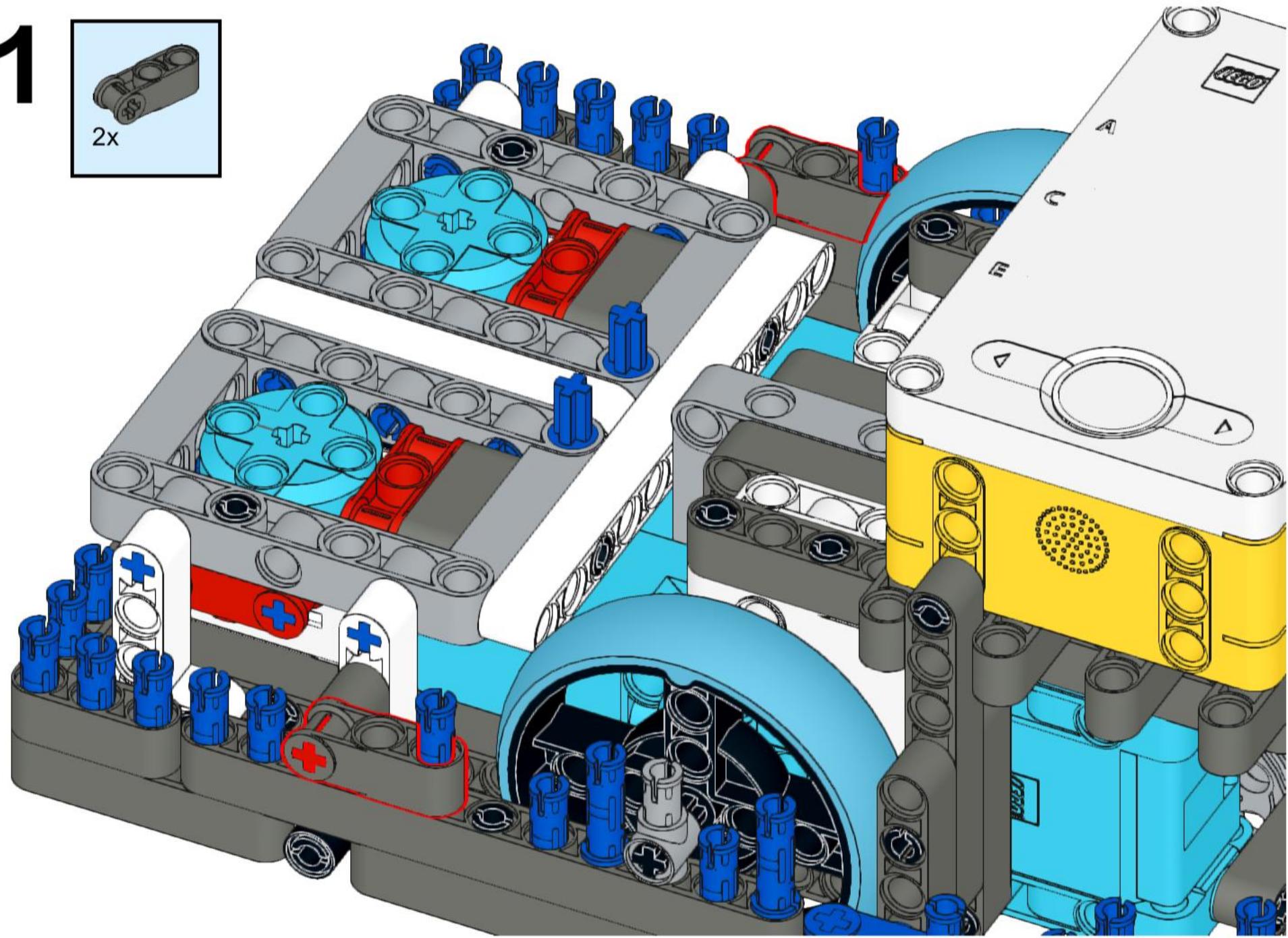
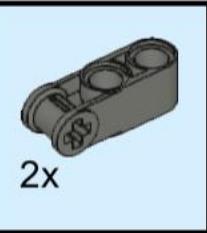
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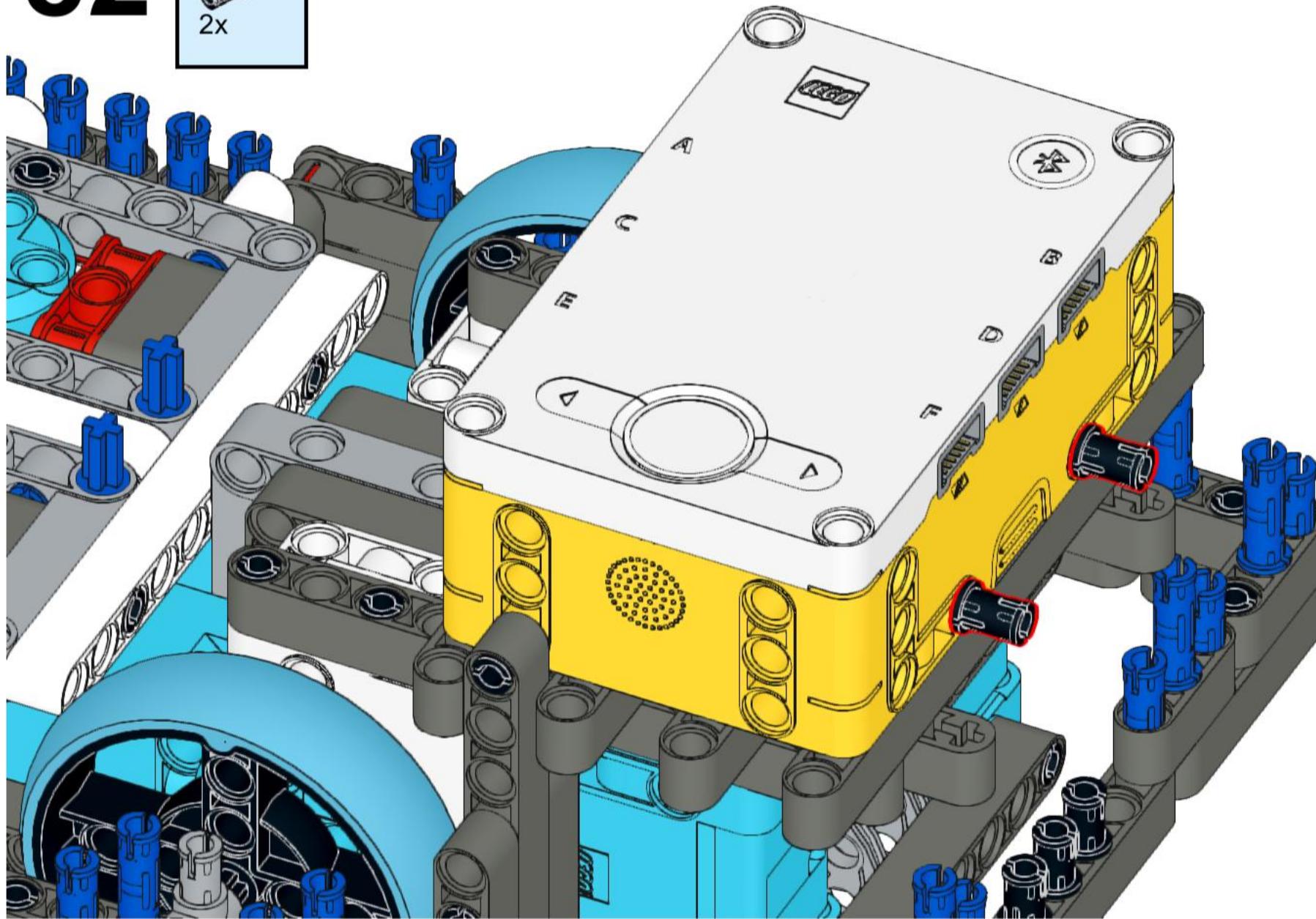
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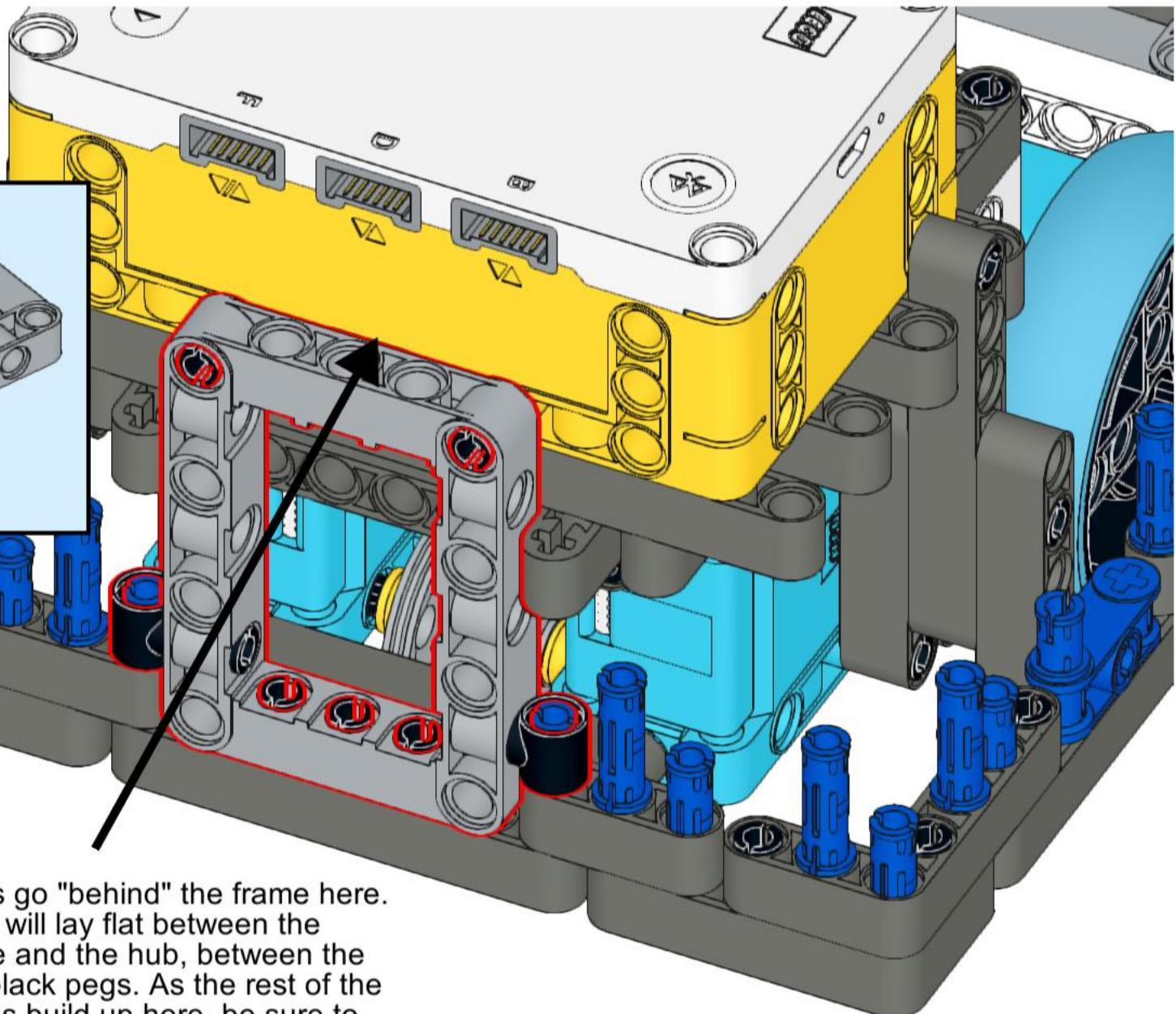
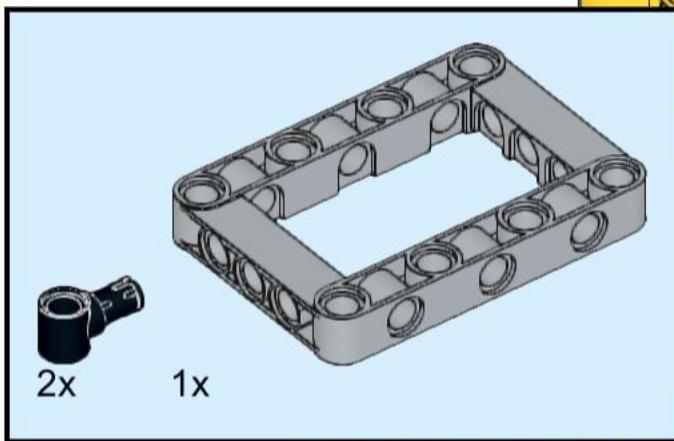
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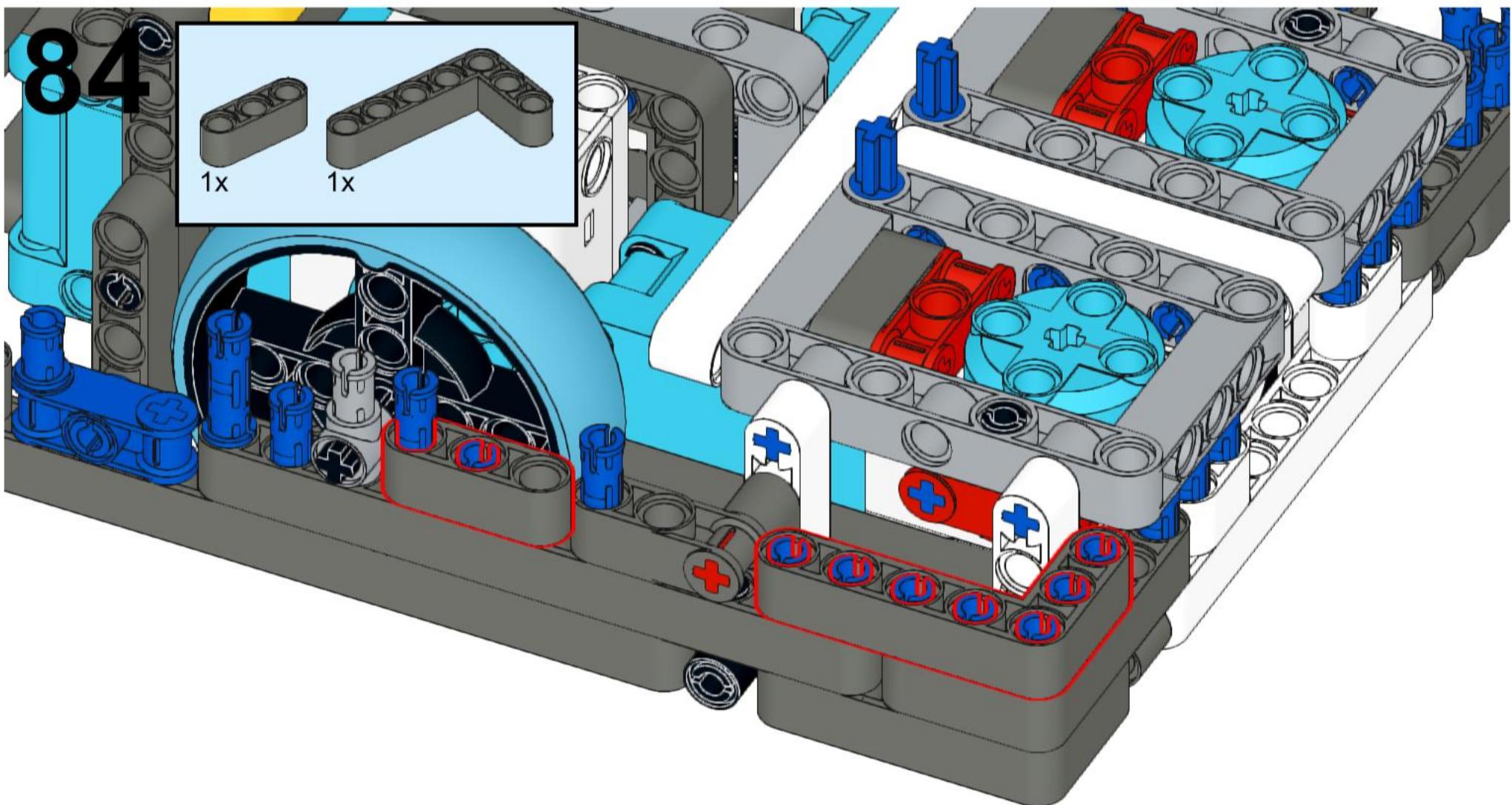
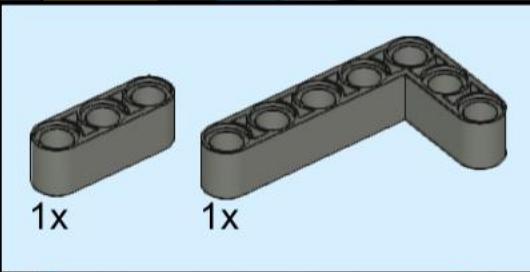


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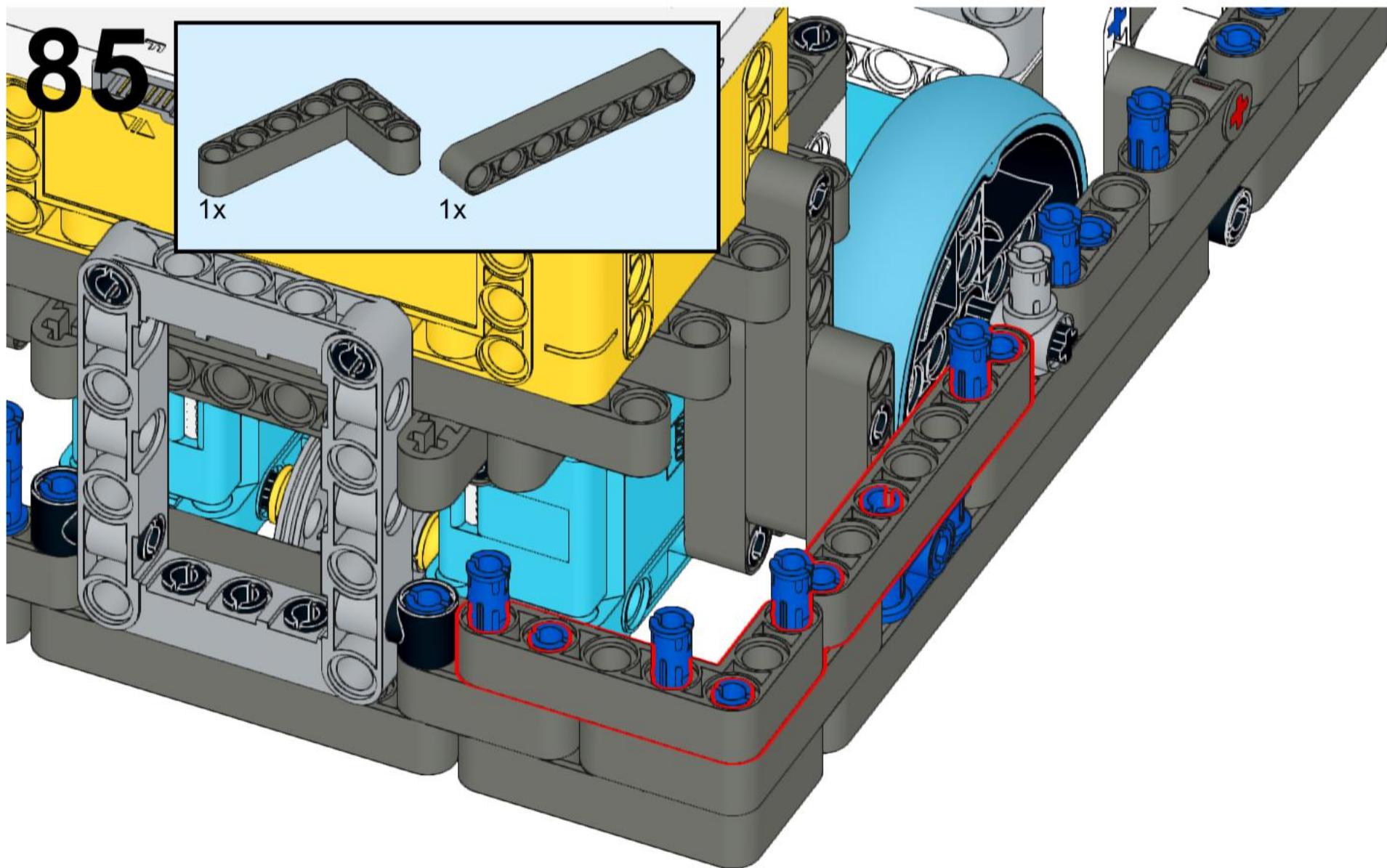
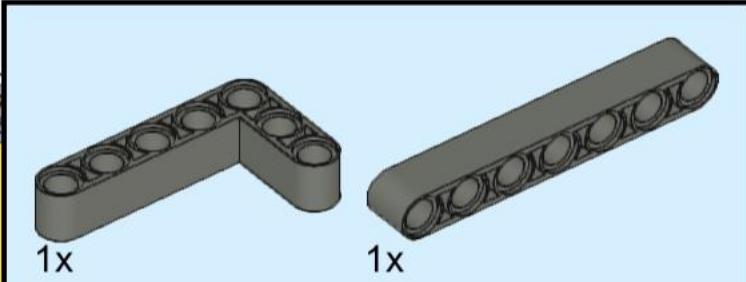


Wires go "behind" the frame here. They will lay flat between the frame and the hub, between the two black pegs. As the rest of the pieces build up here, be sure to keep the wires between the hub and beams.

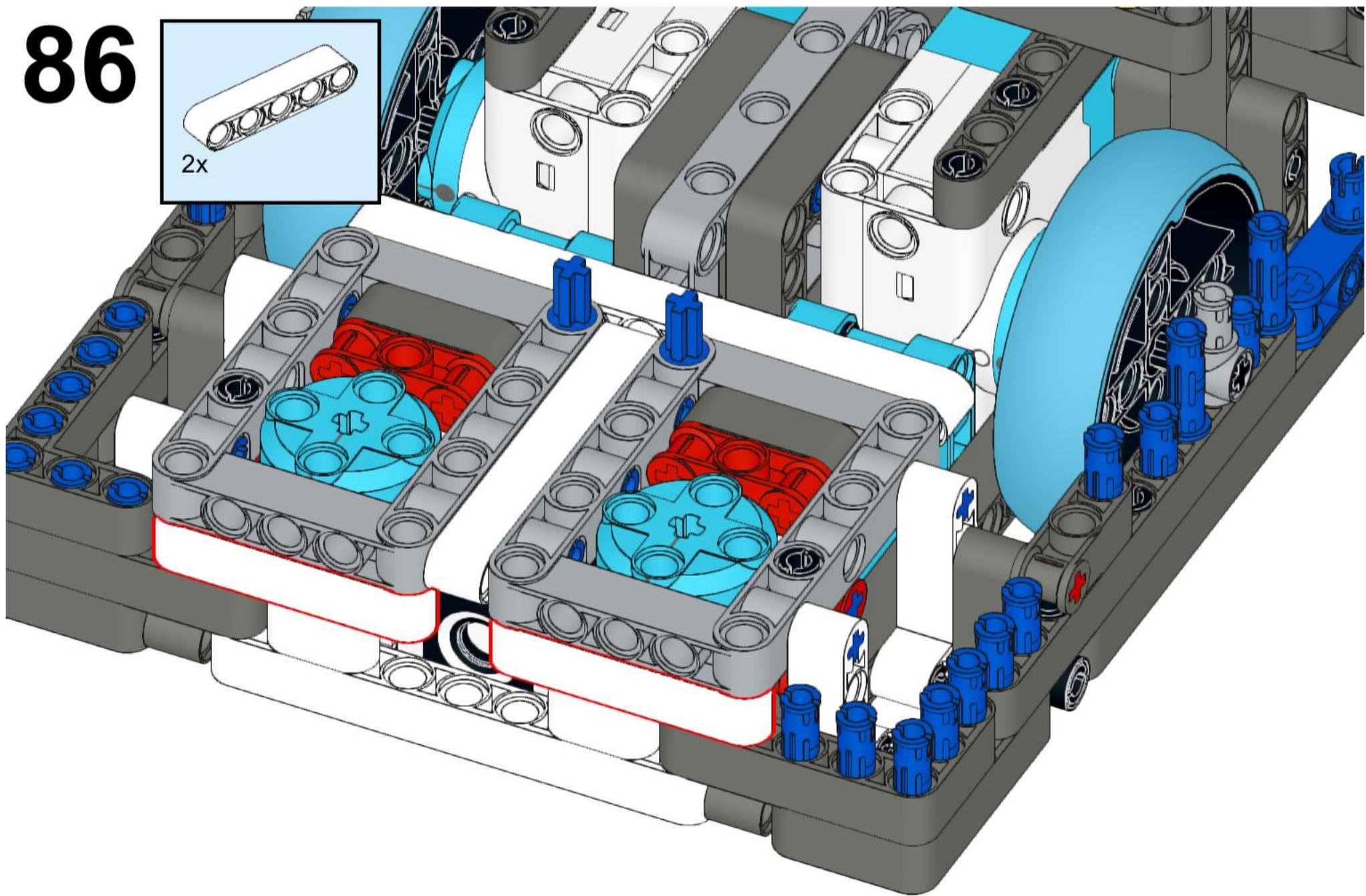
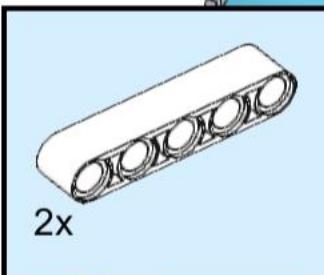
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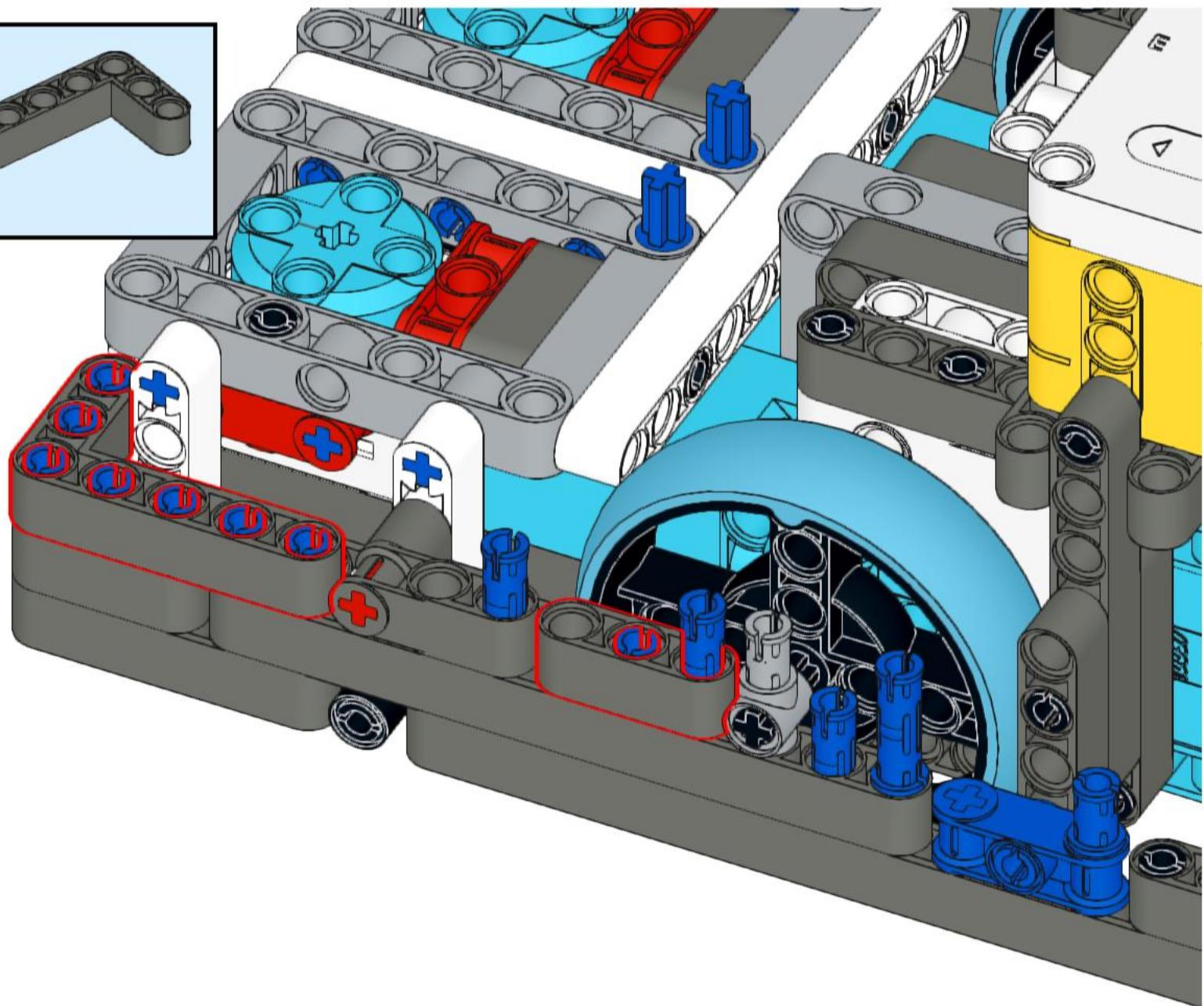
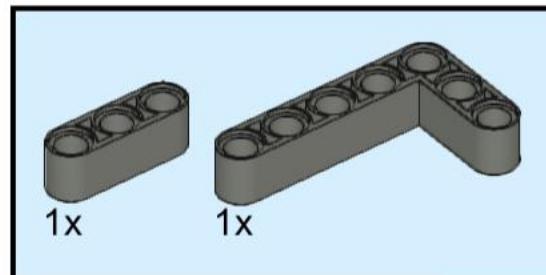
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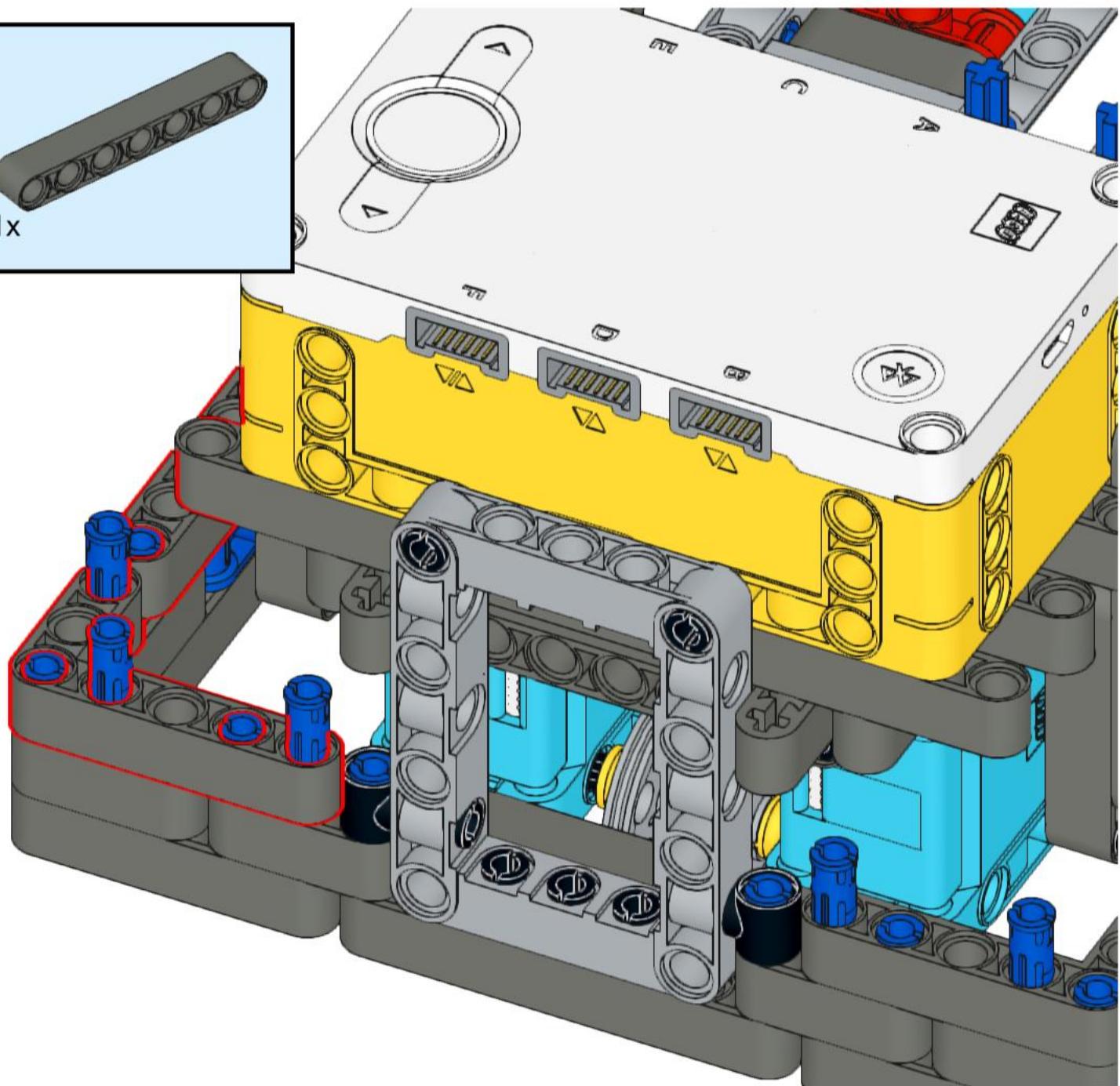
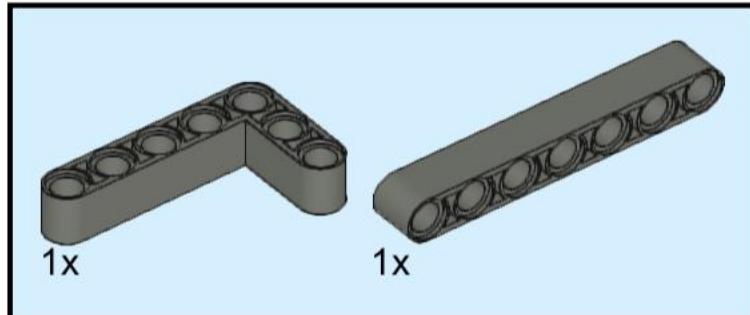
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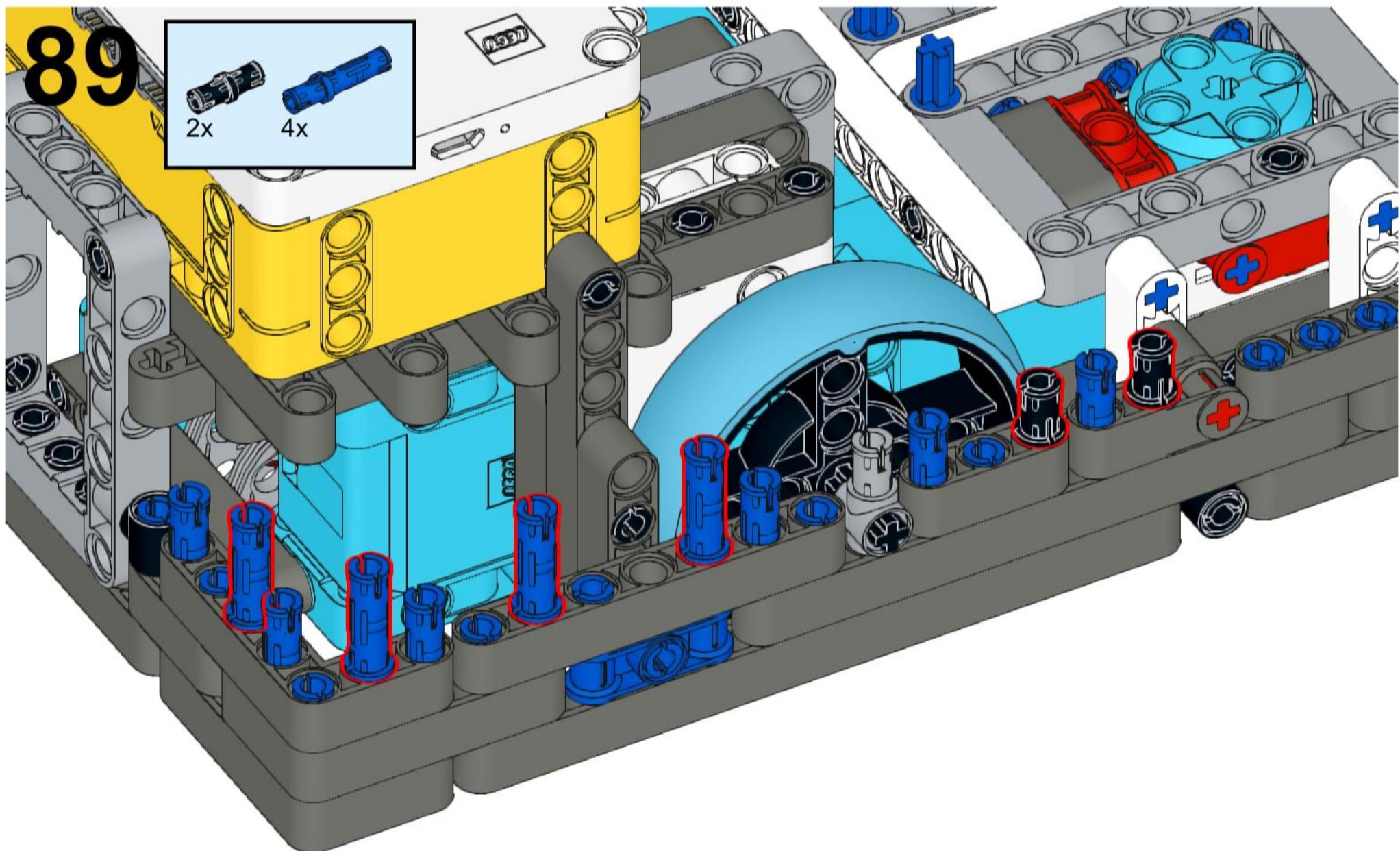
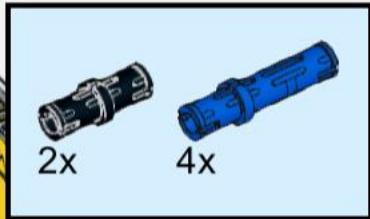
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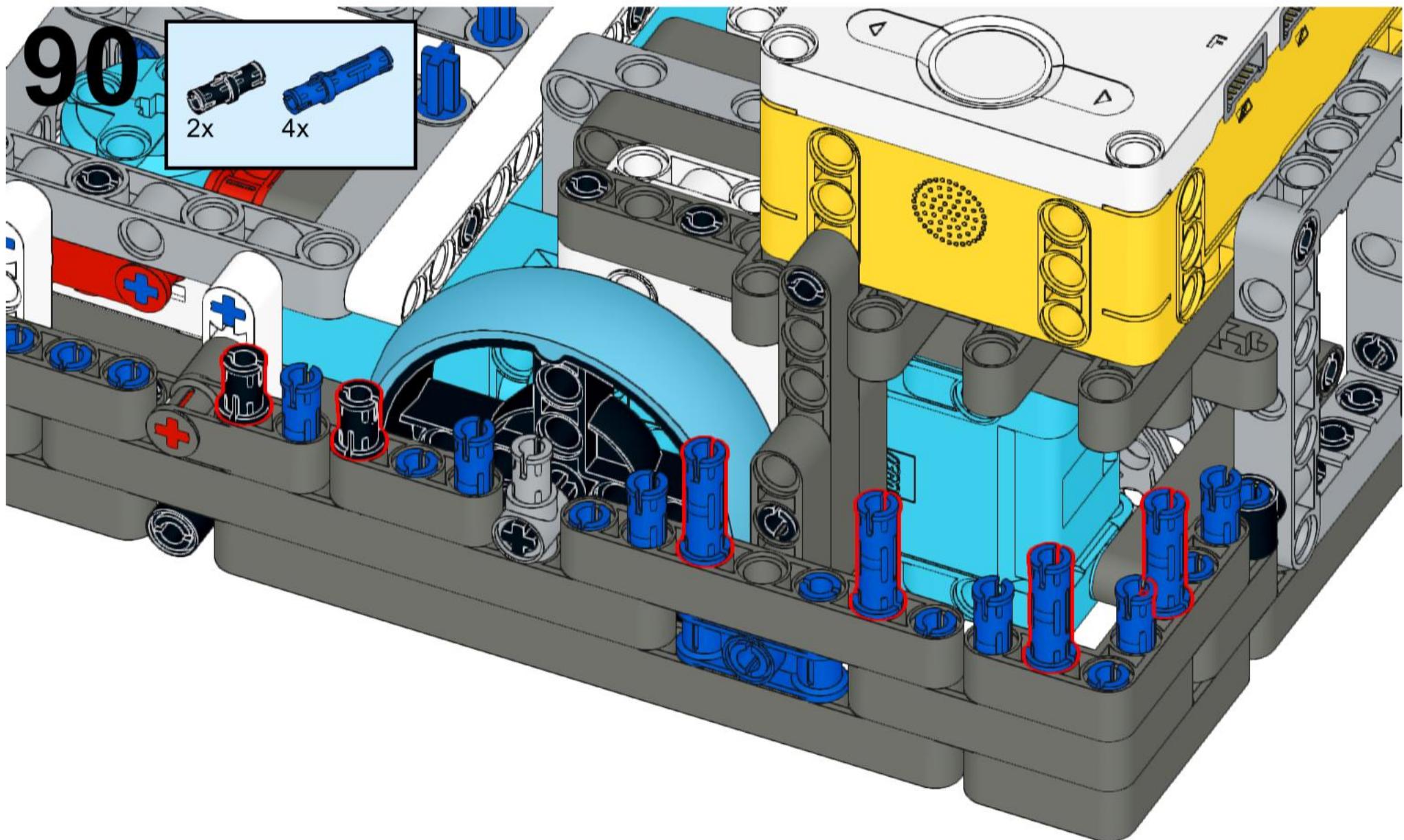
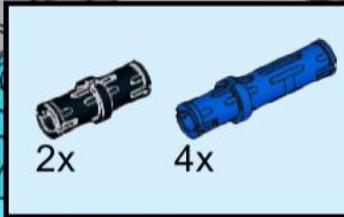
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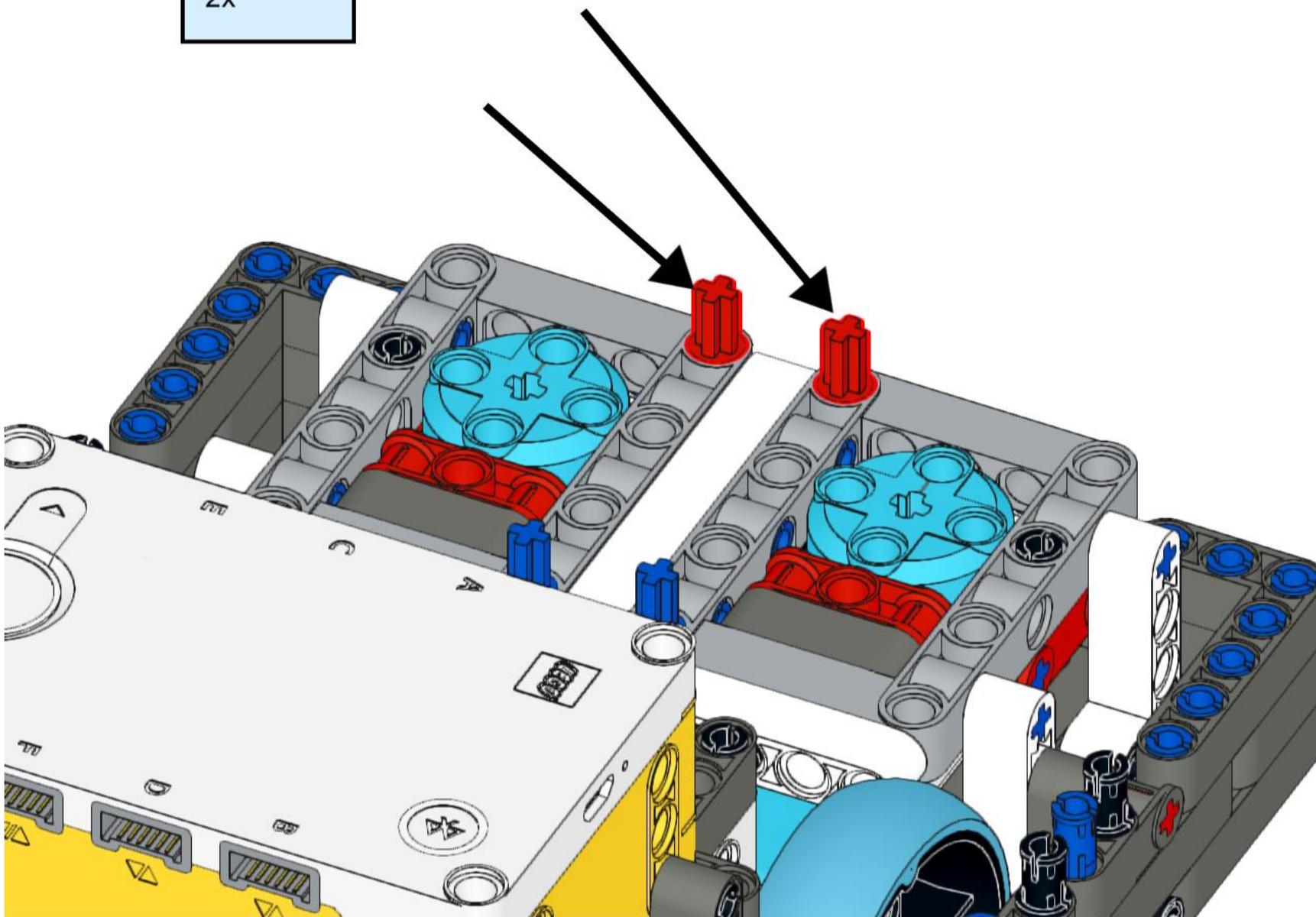
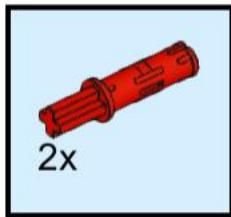
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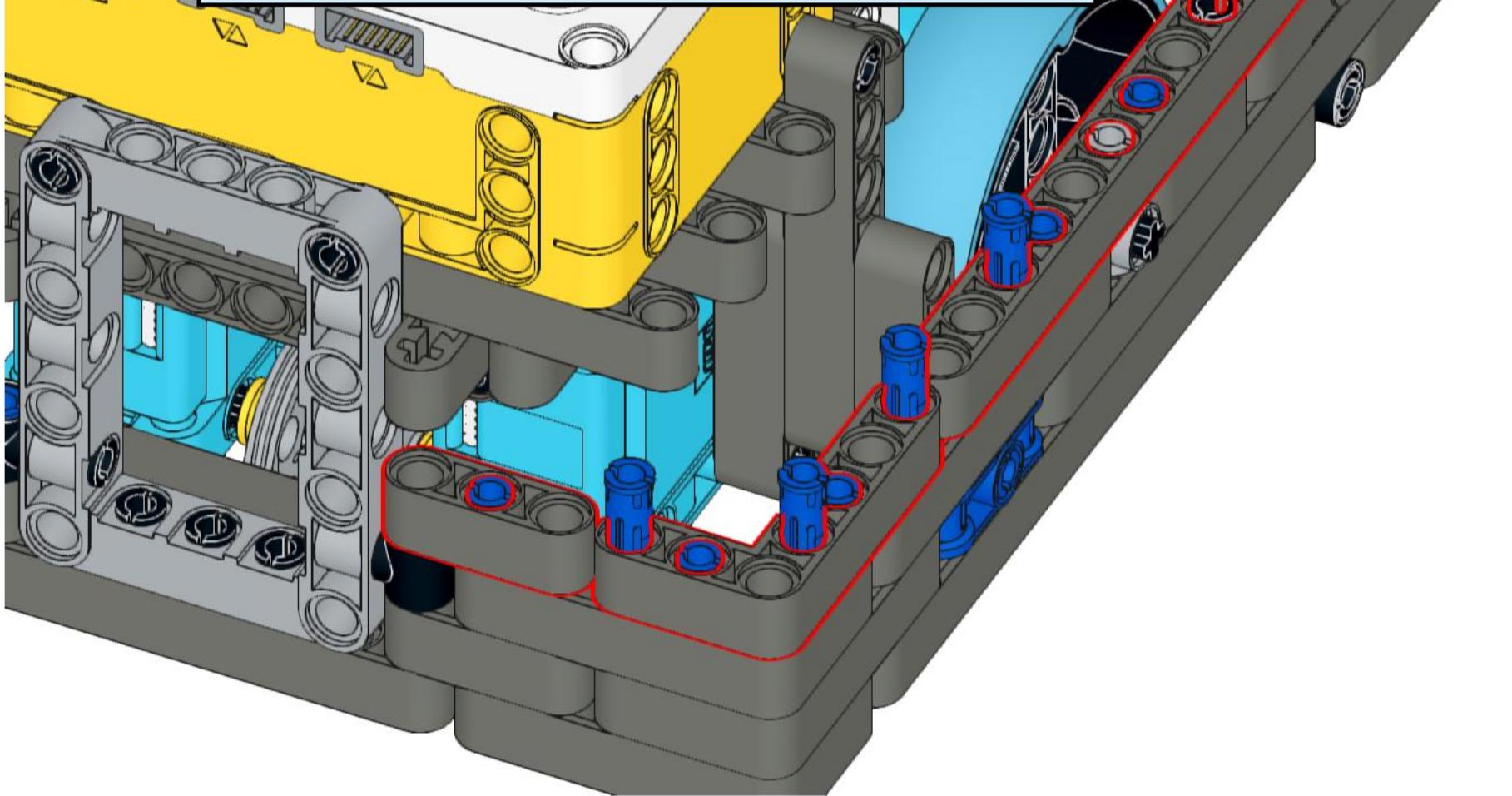
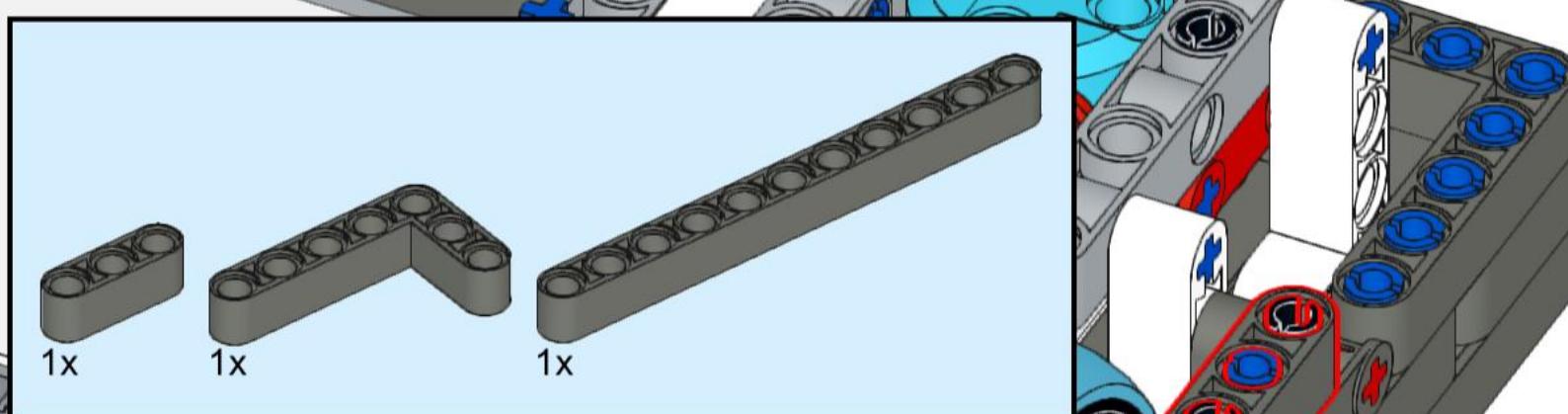
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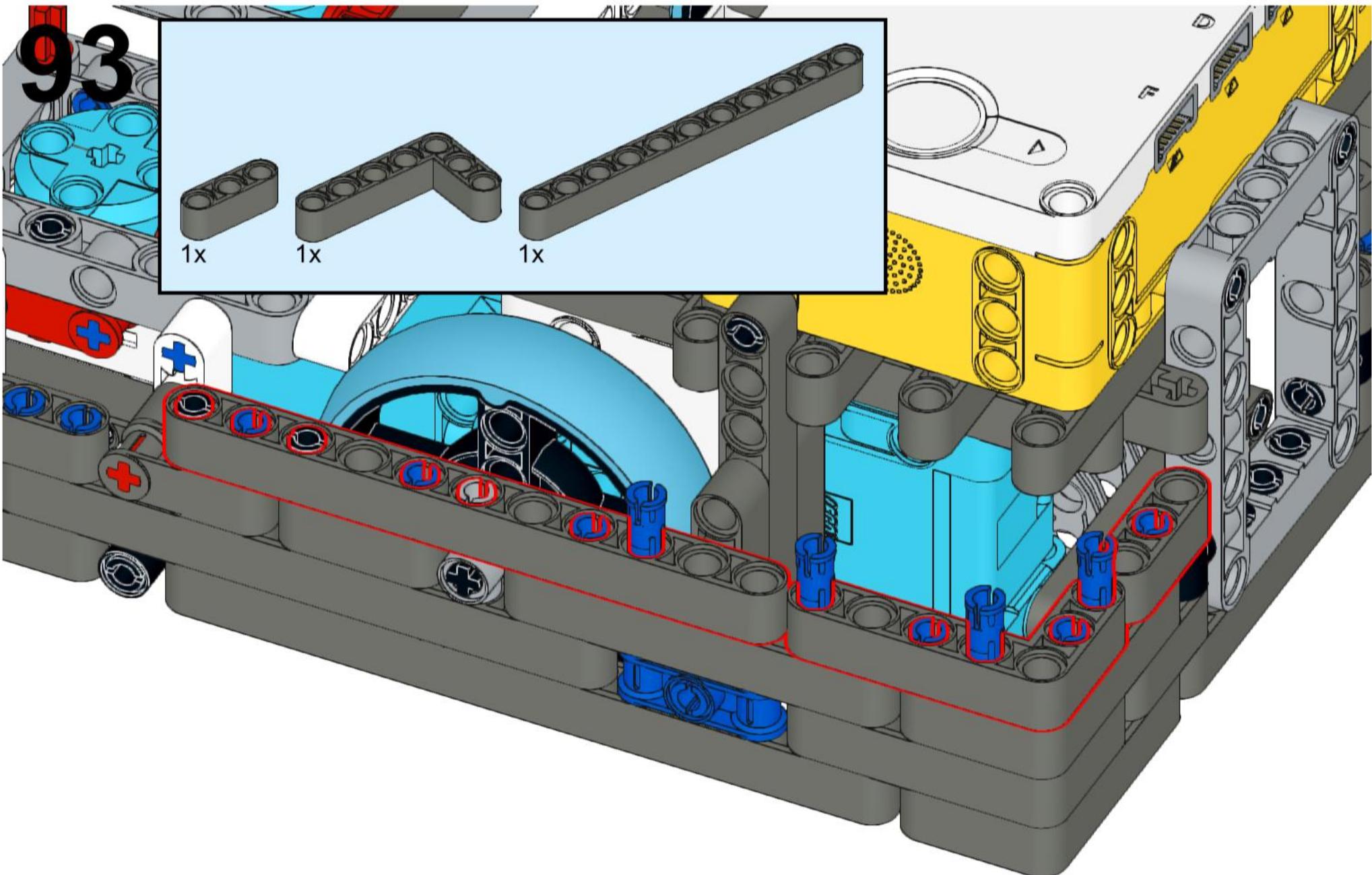


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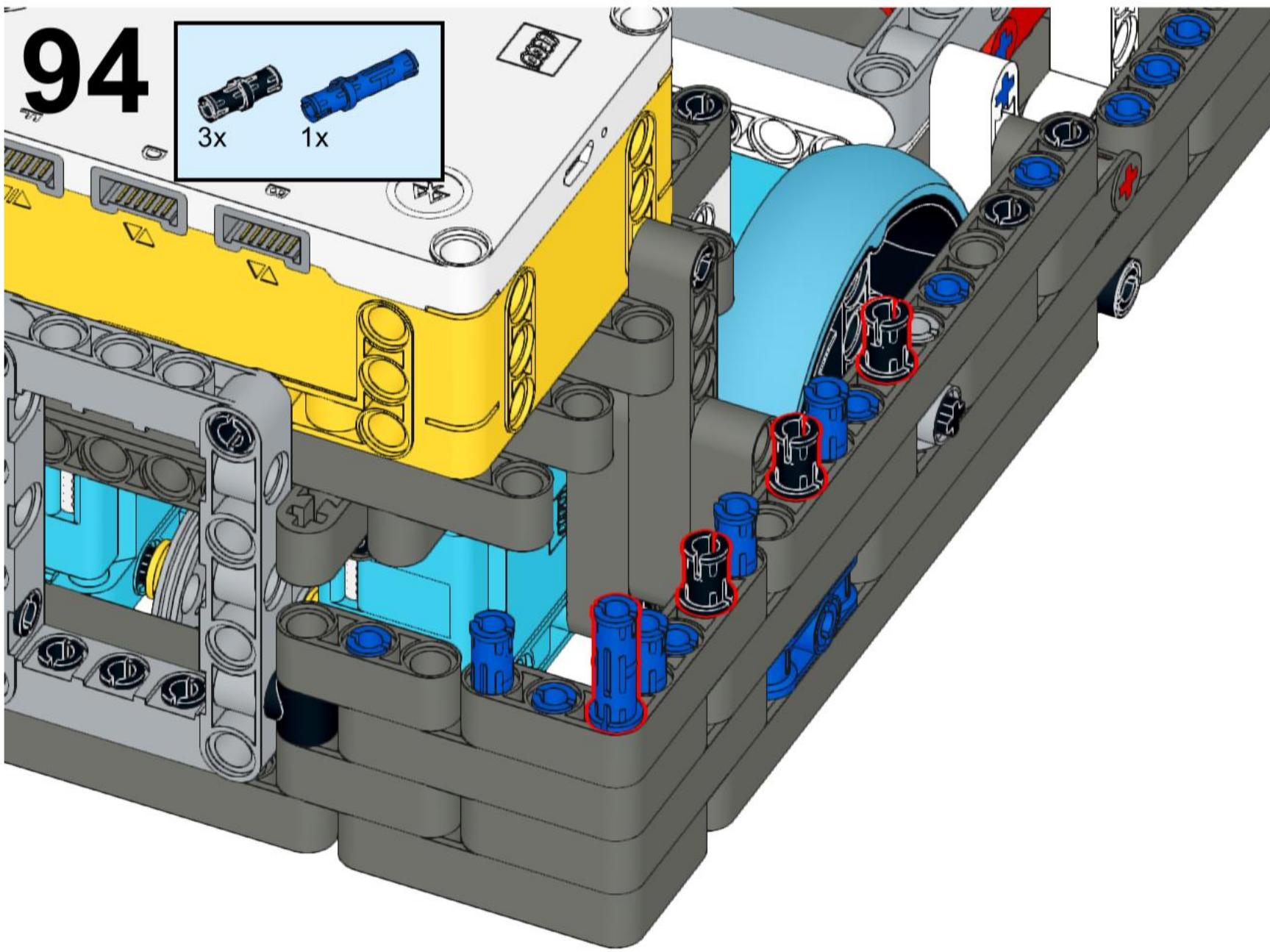
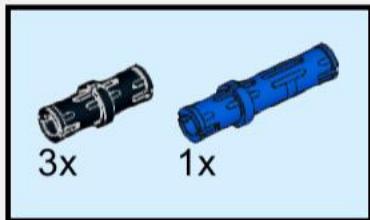
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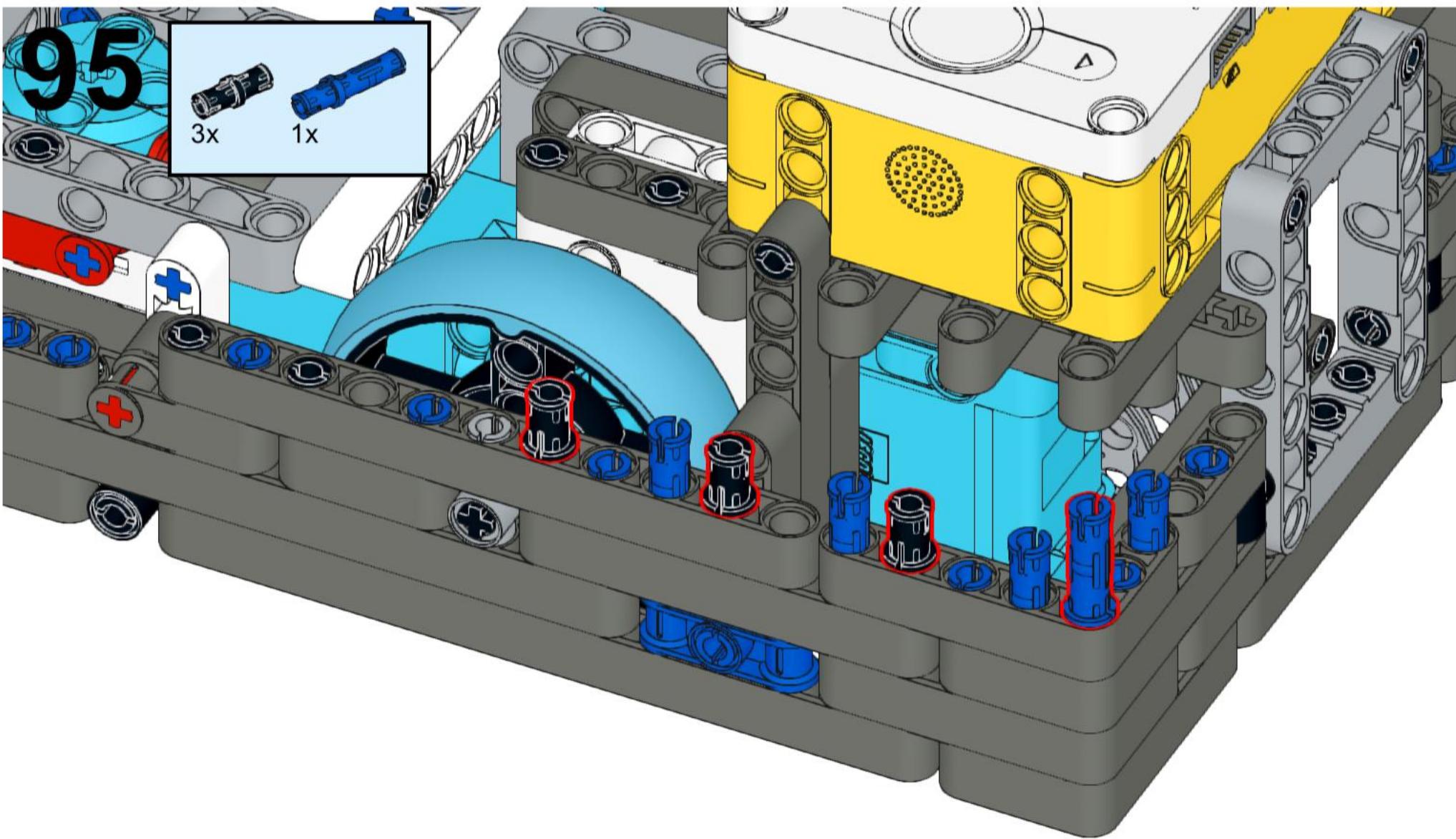




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94

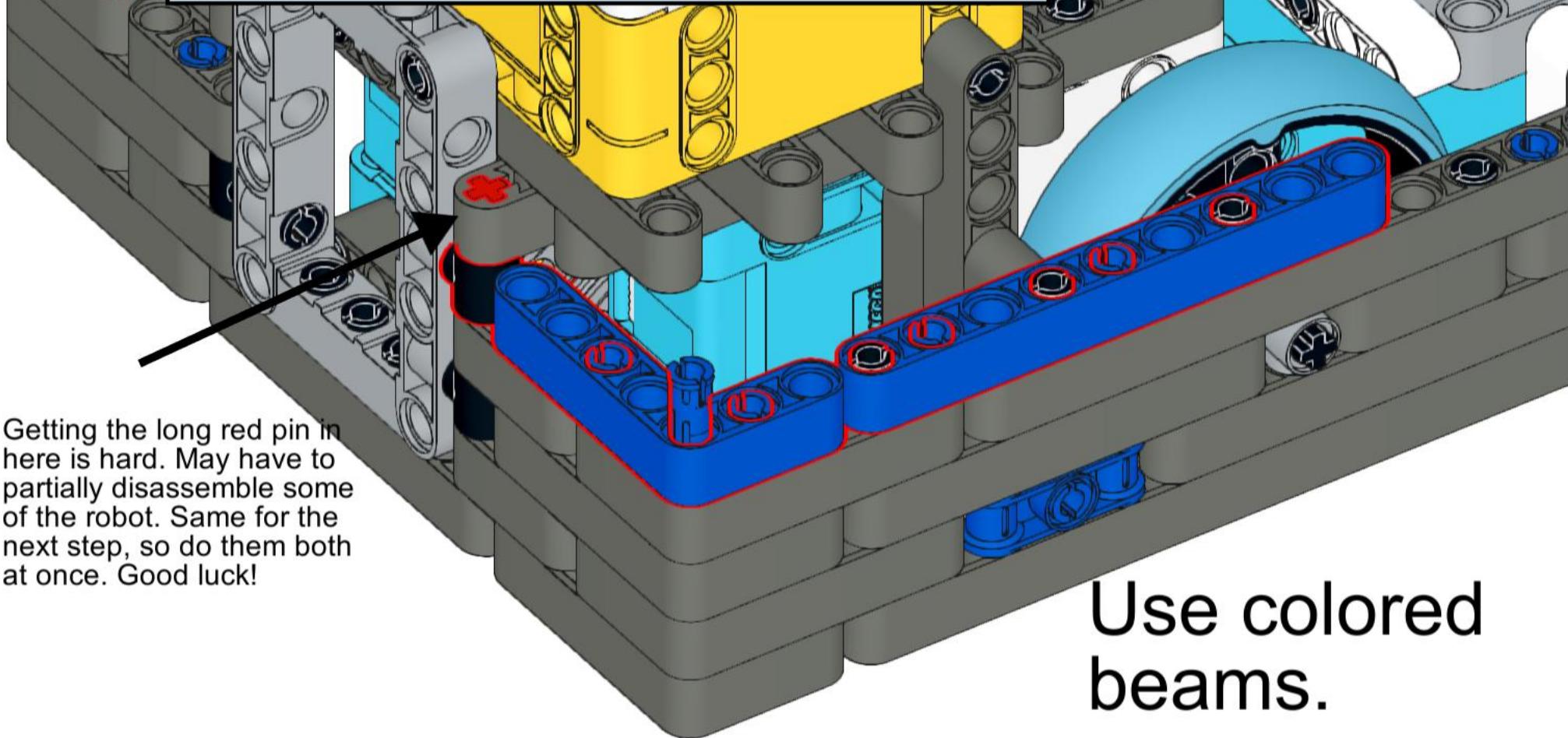
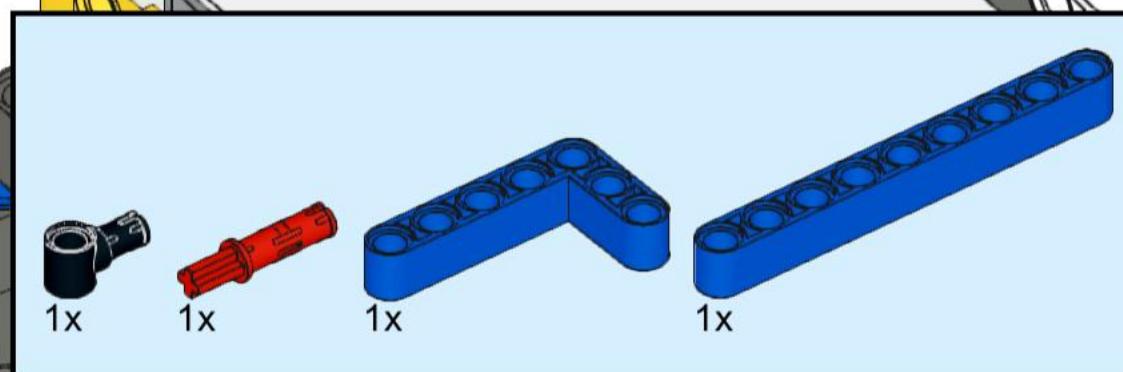




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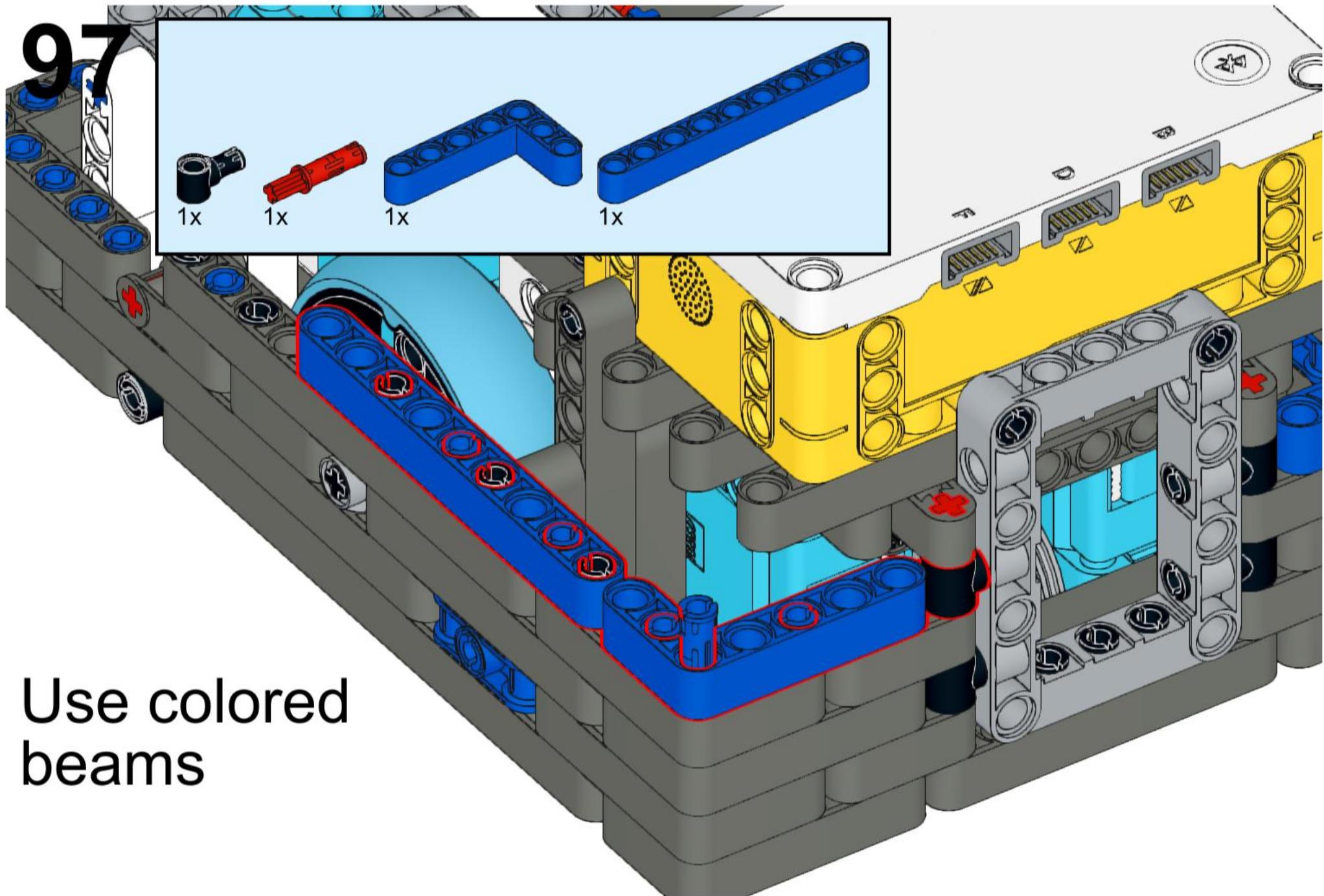
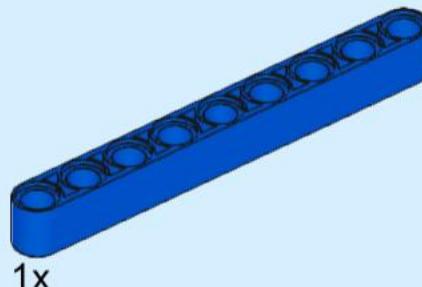
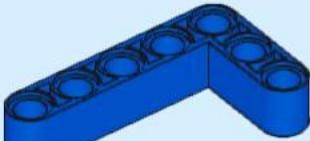
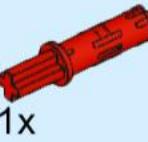
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96

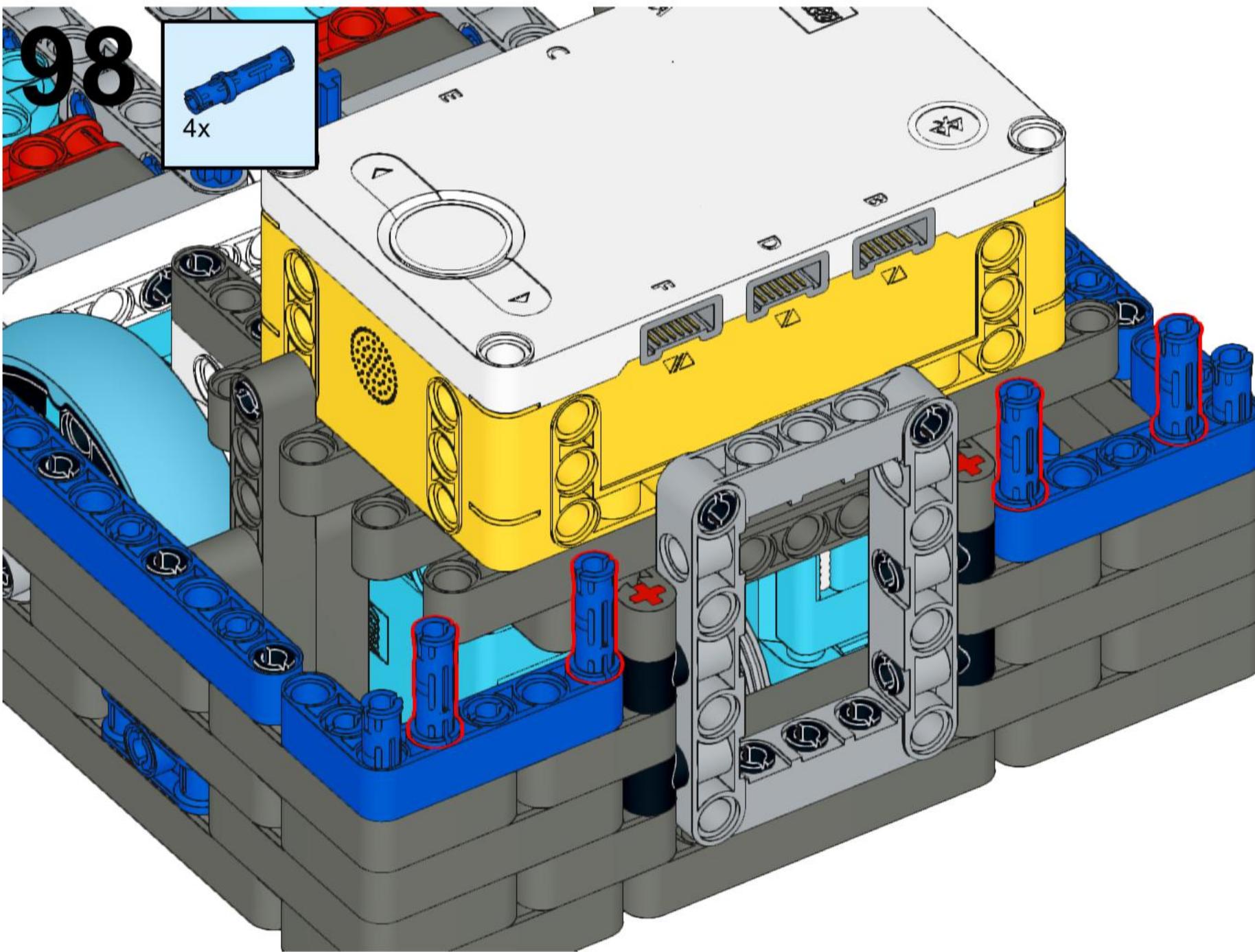


Use colored beams.

97

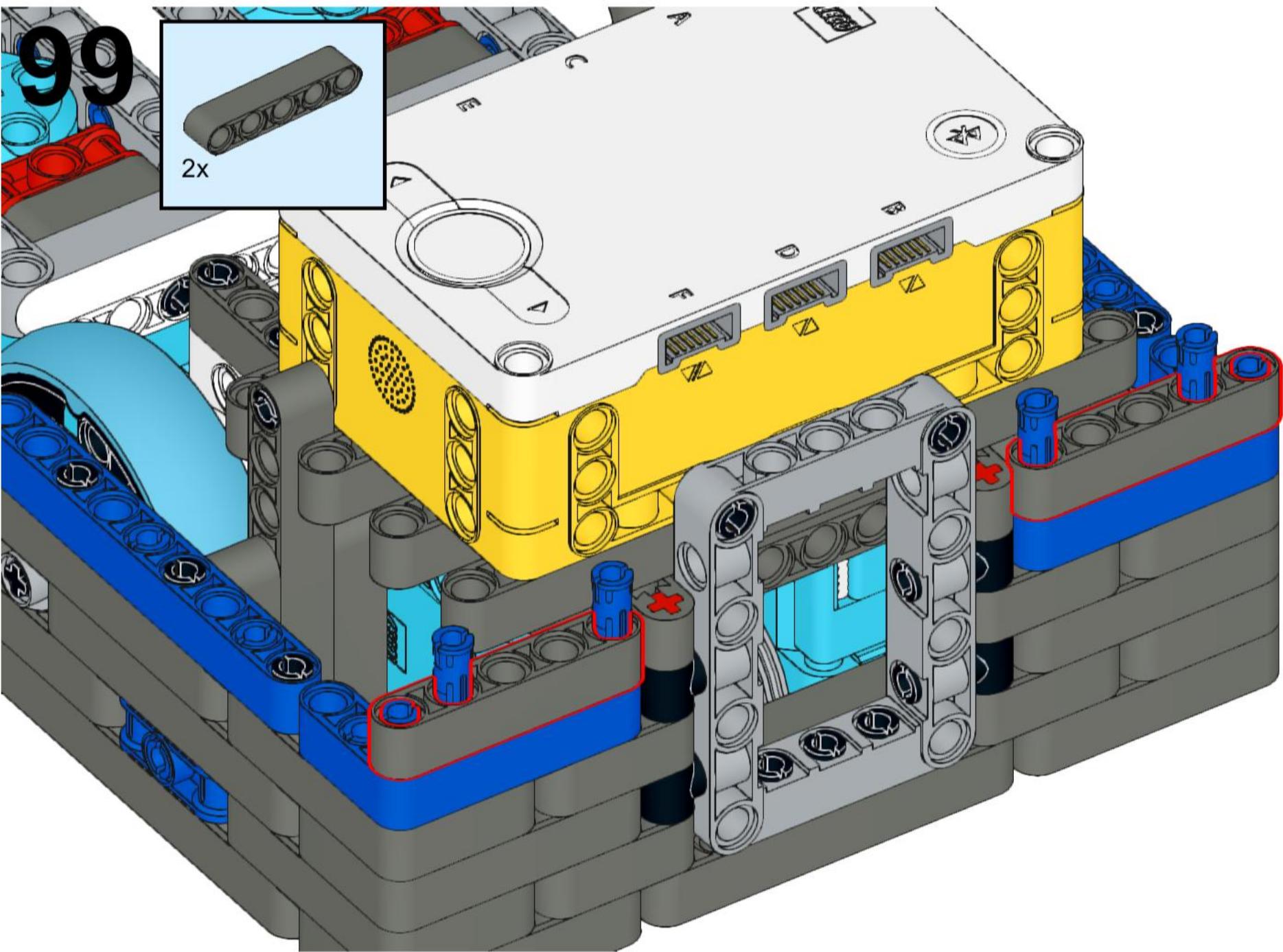


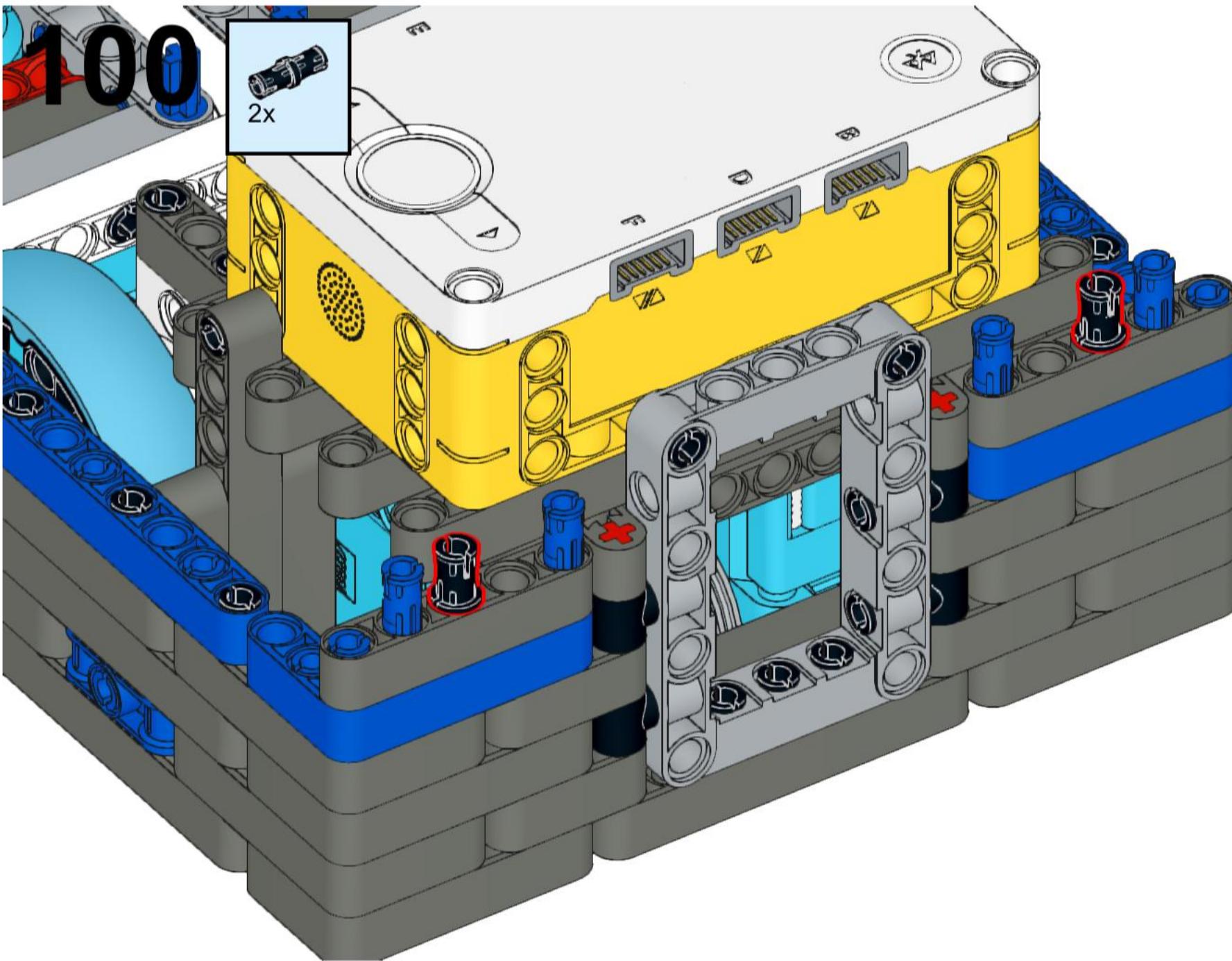
Use colored
beams



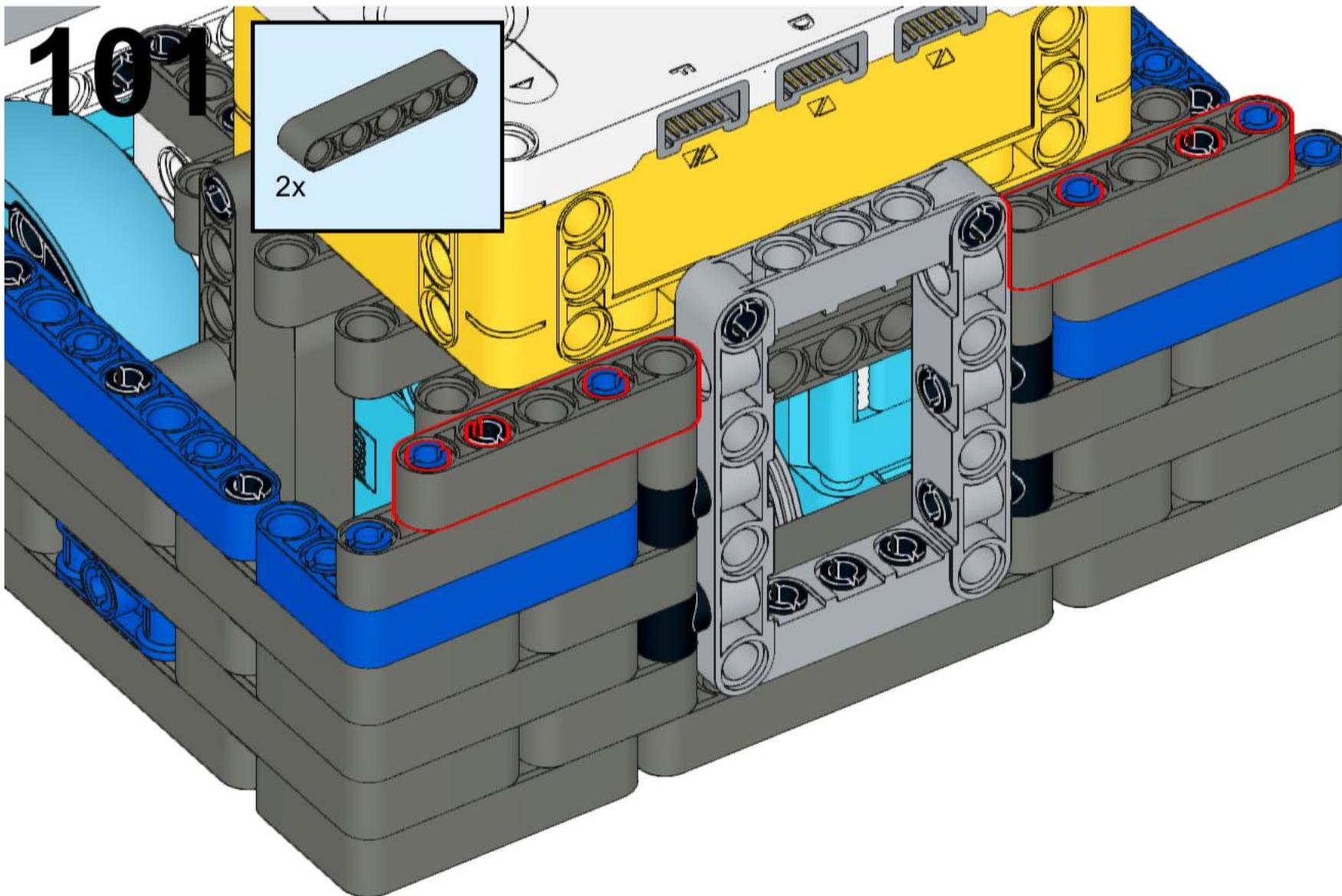
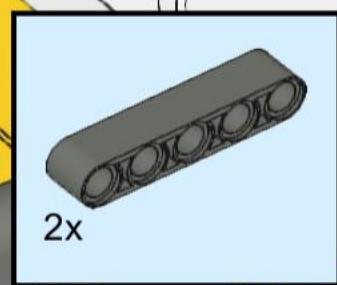
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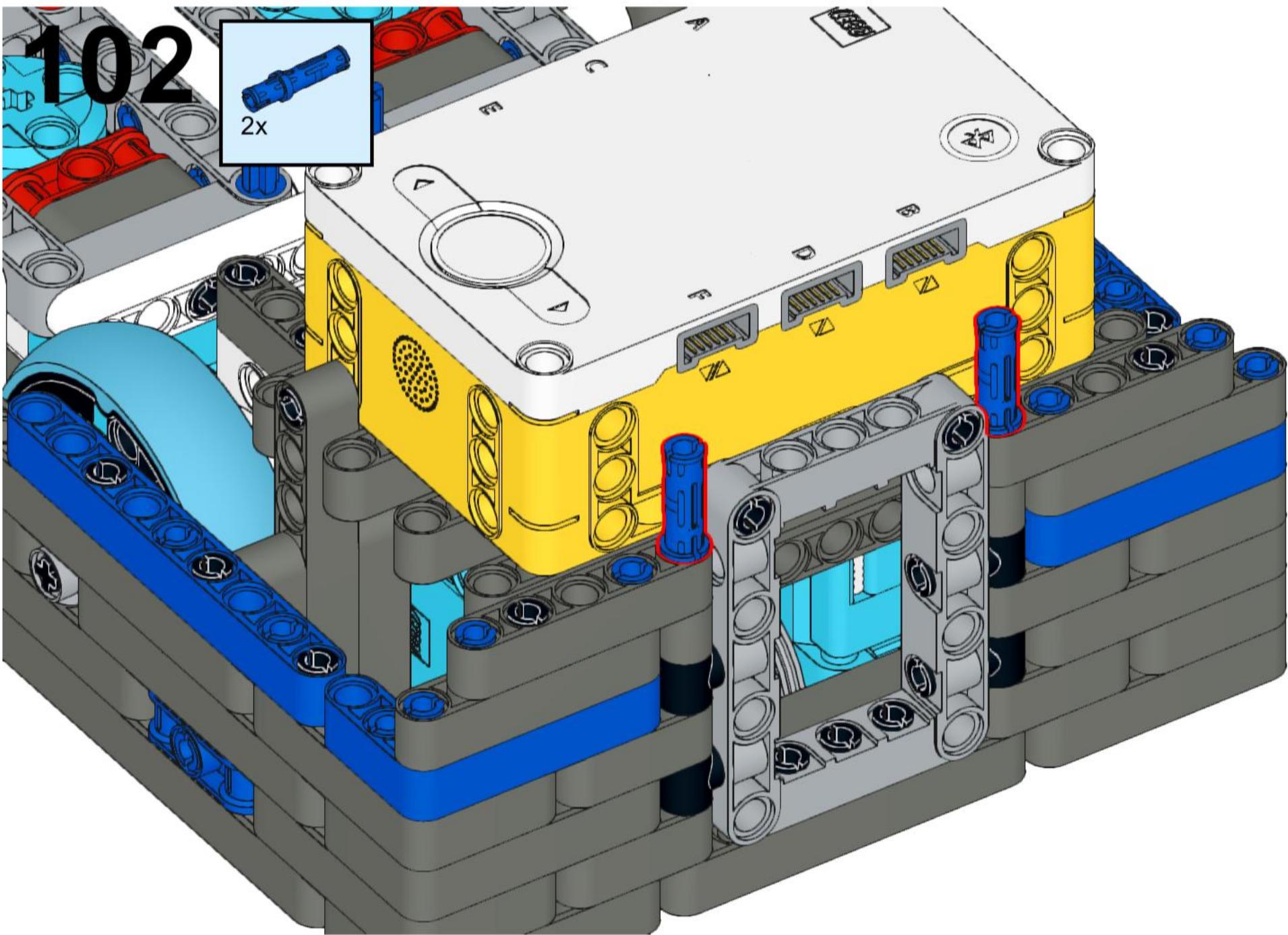






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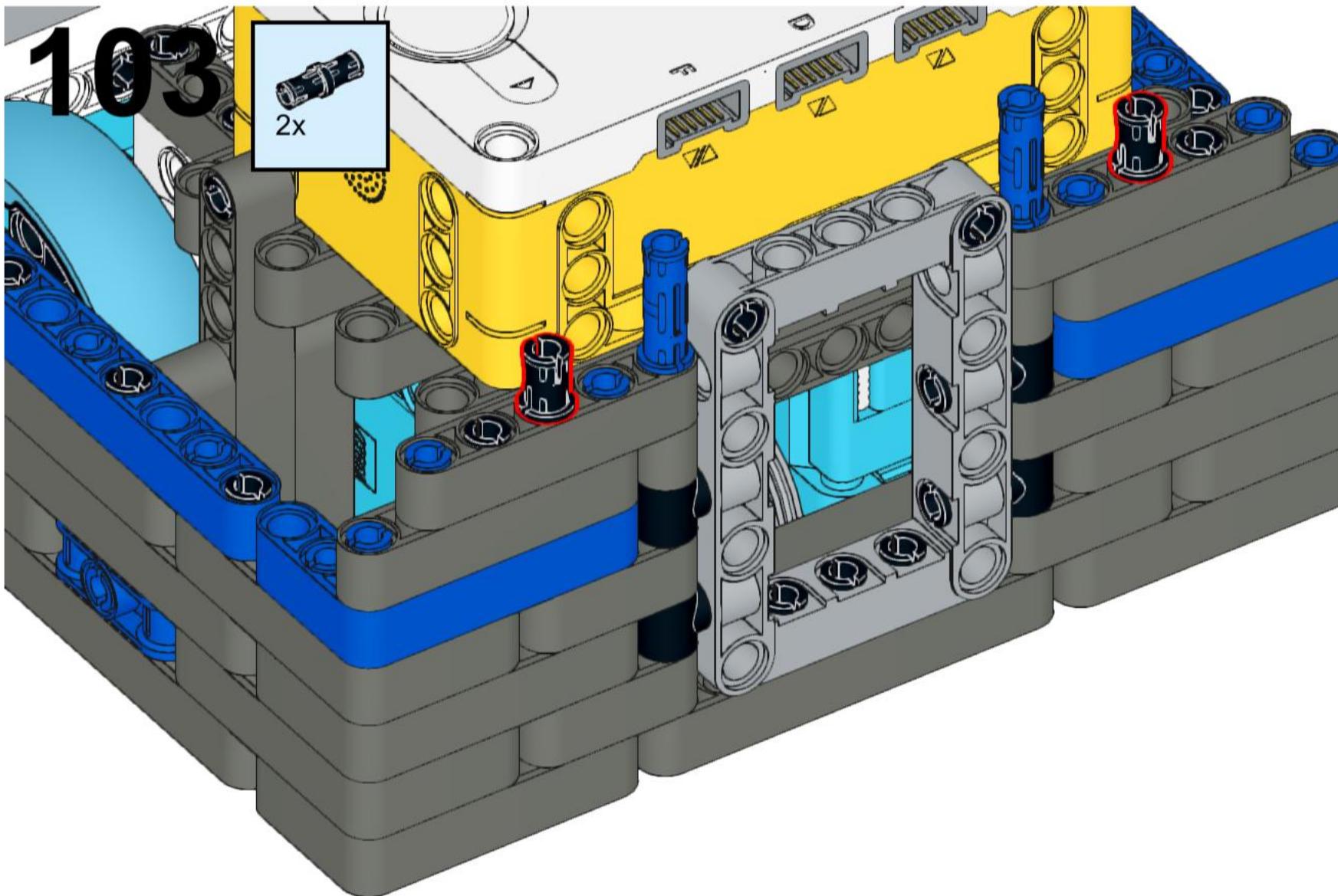




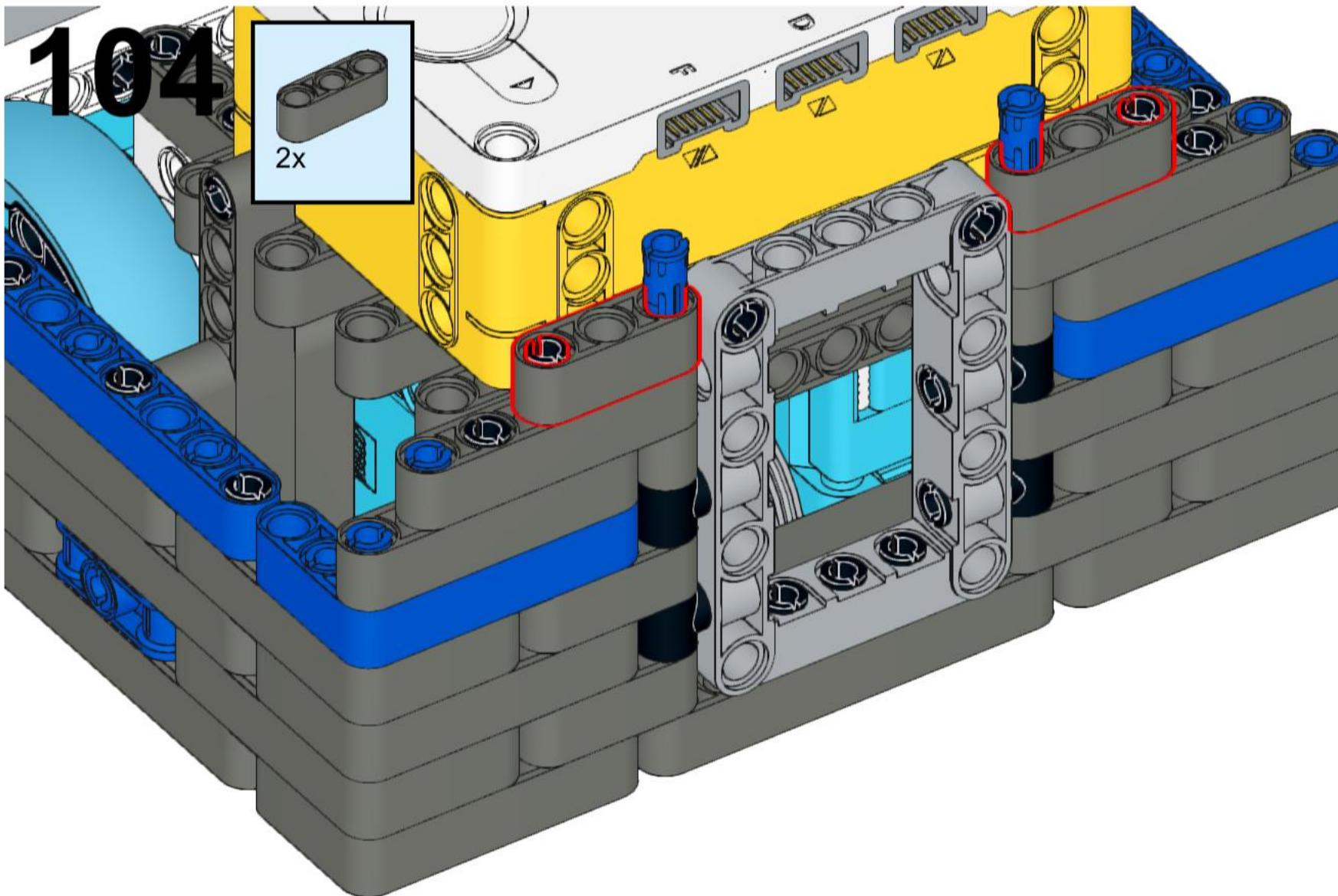
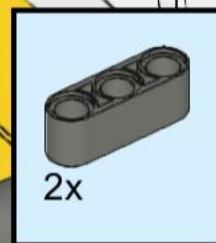
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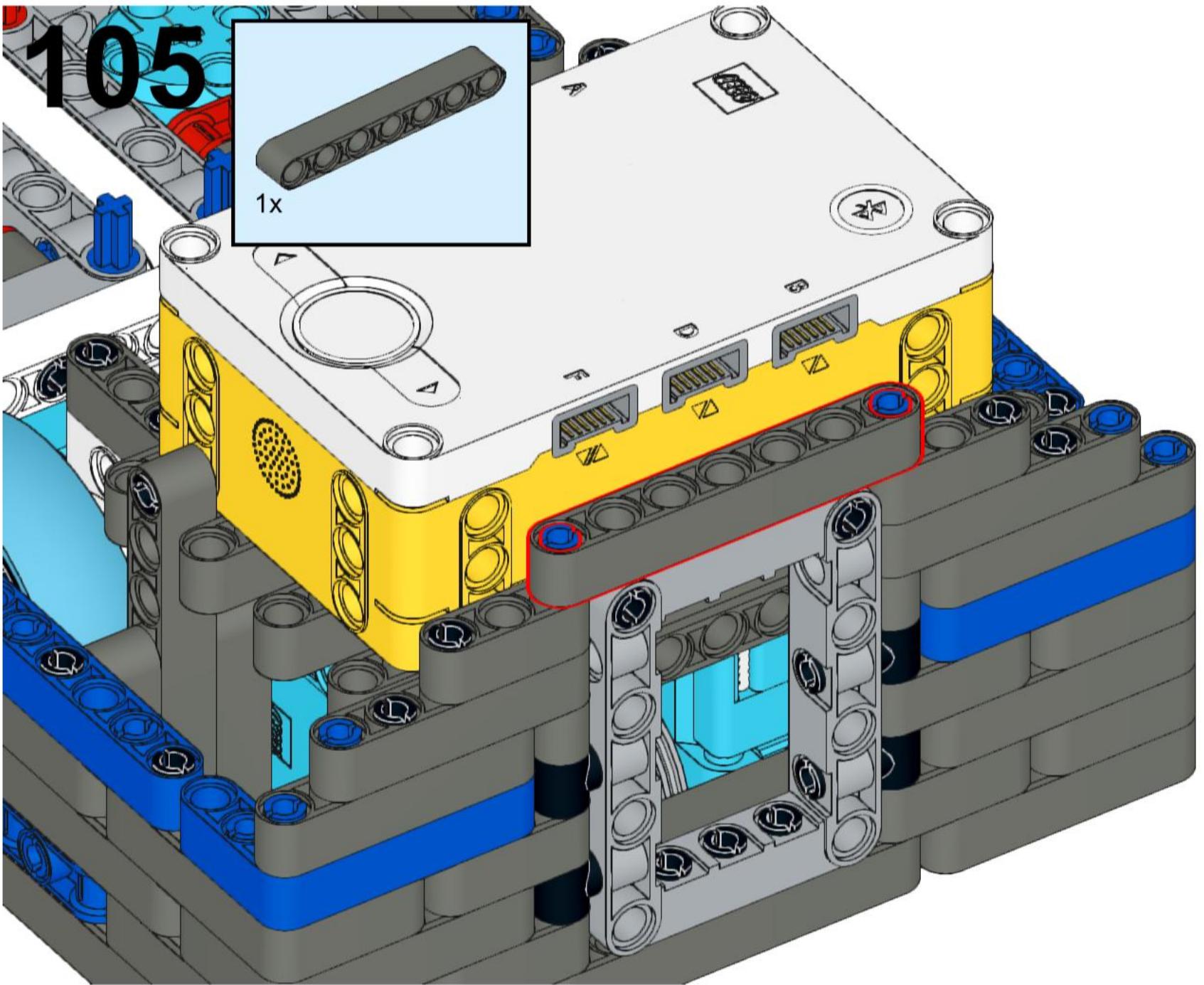
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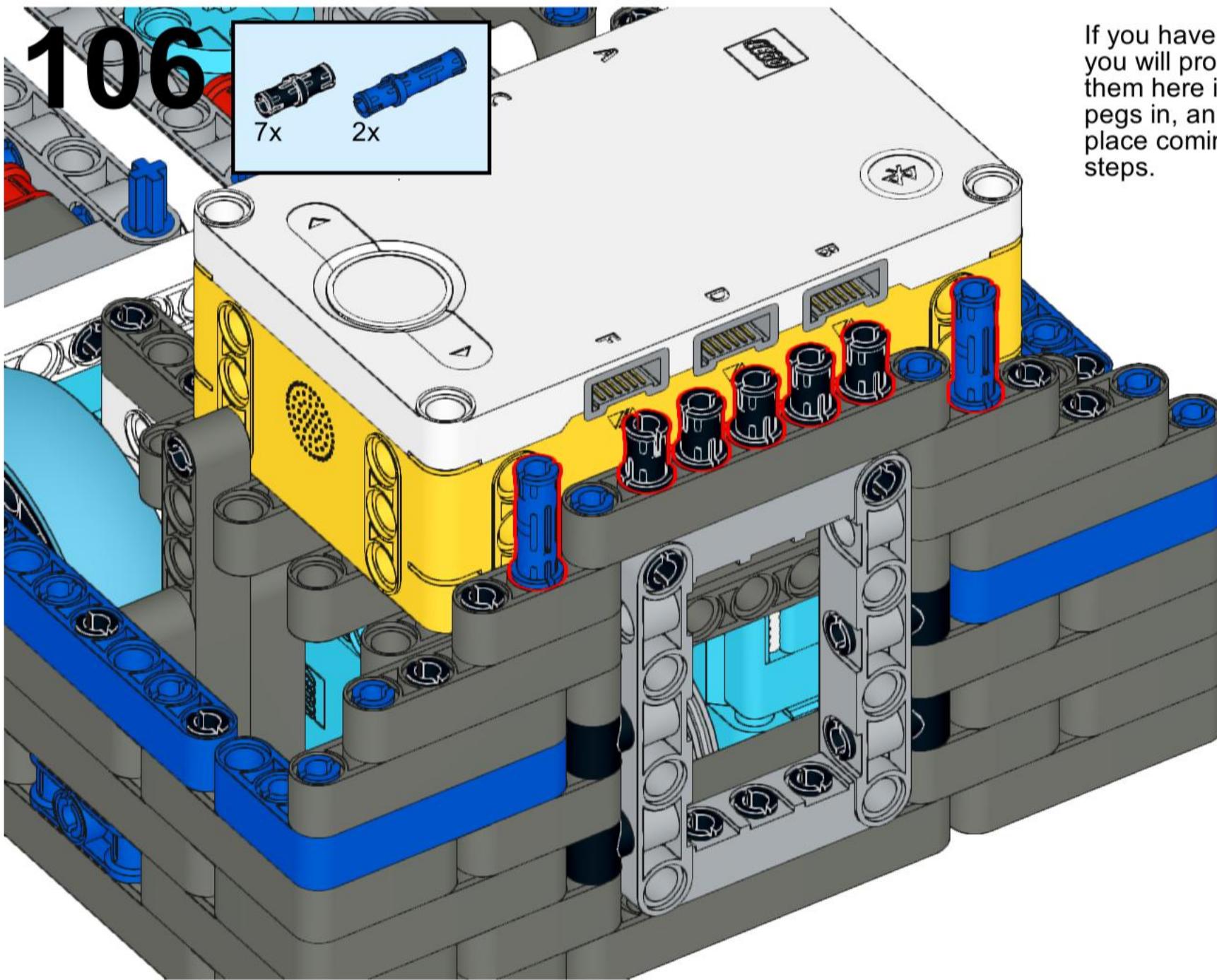
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104

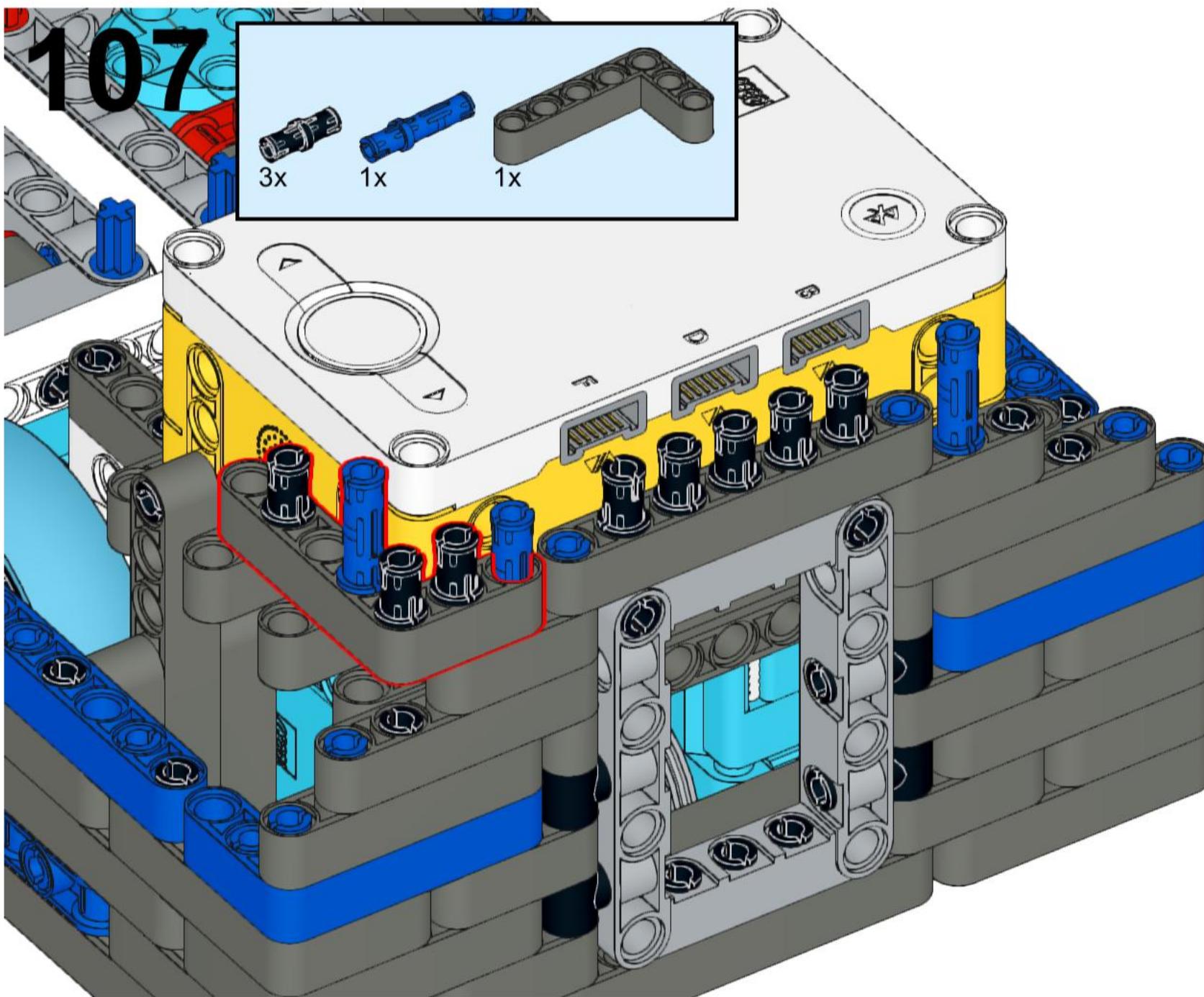
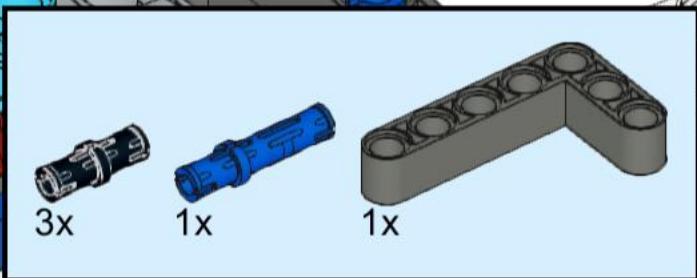




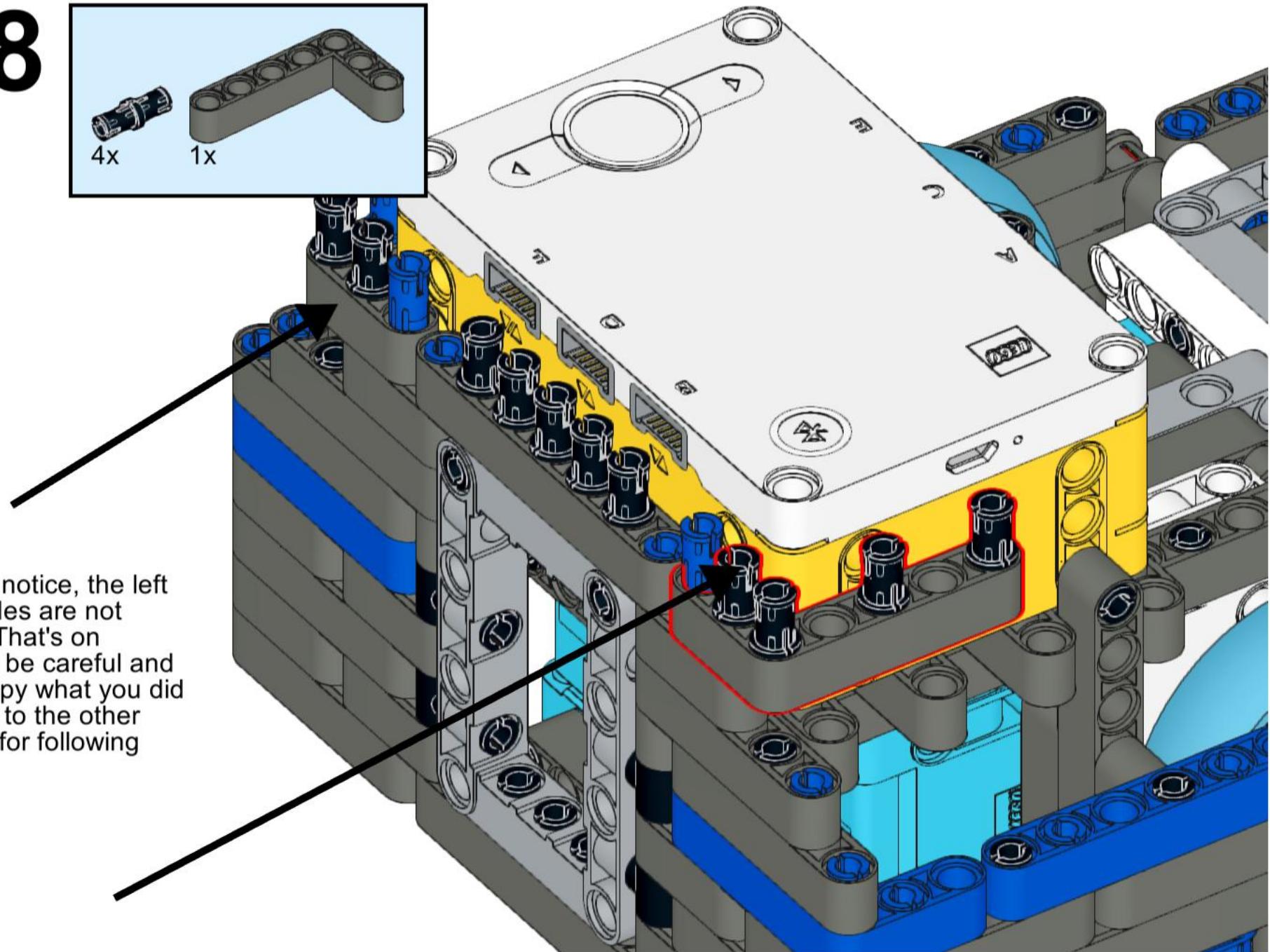
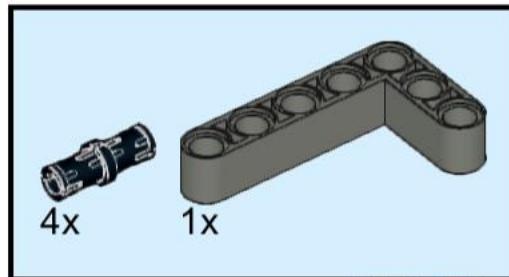
106

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.

107

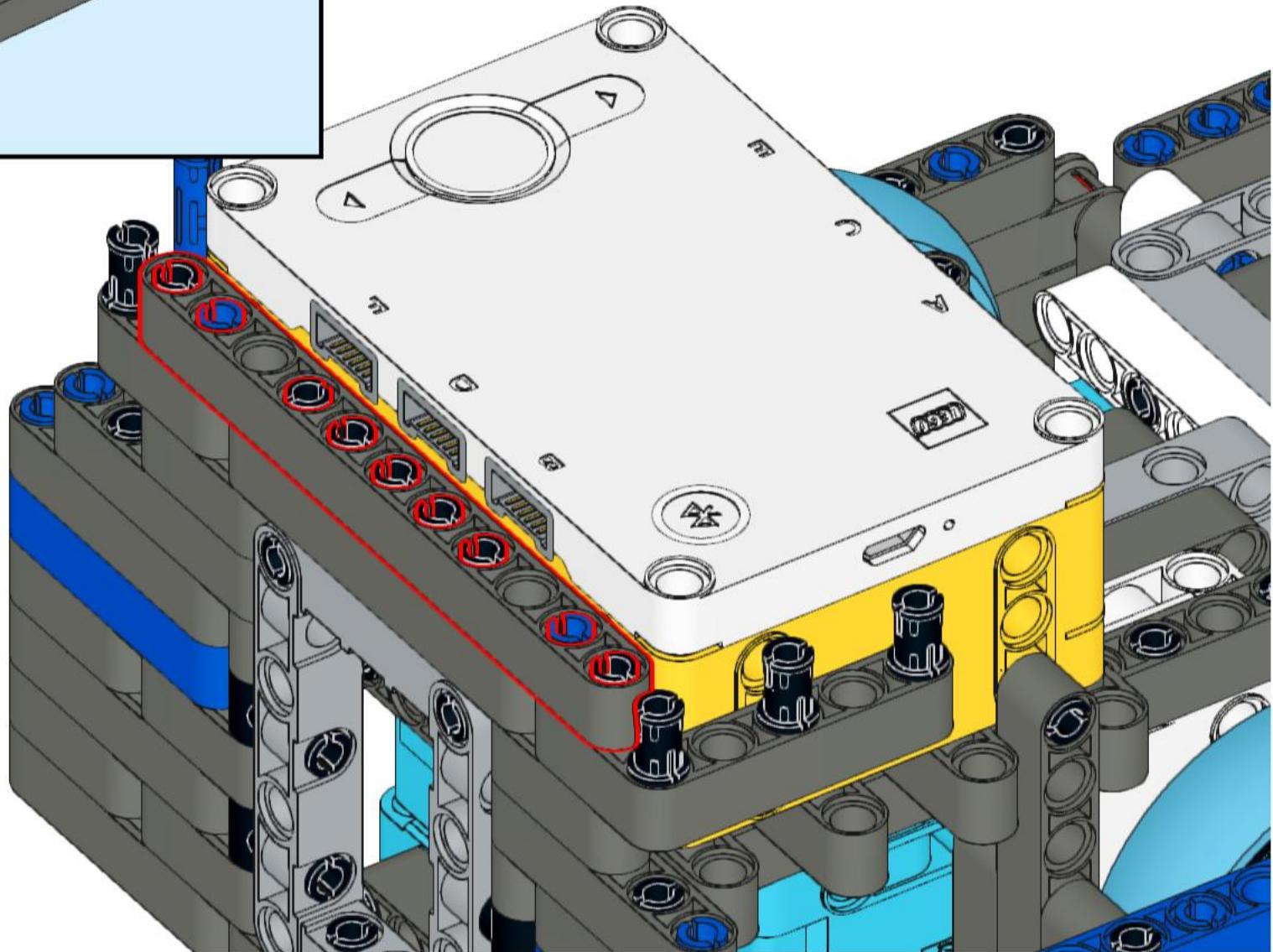
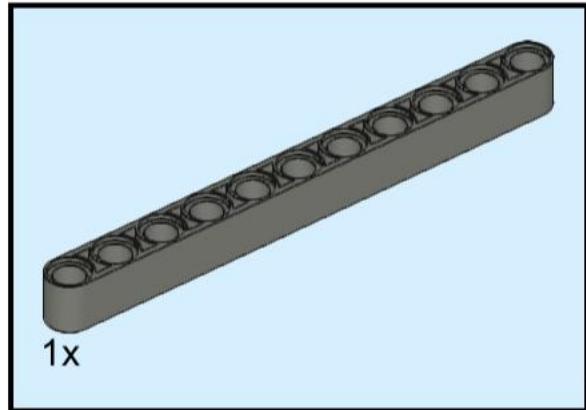


108



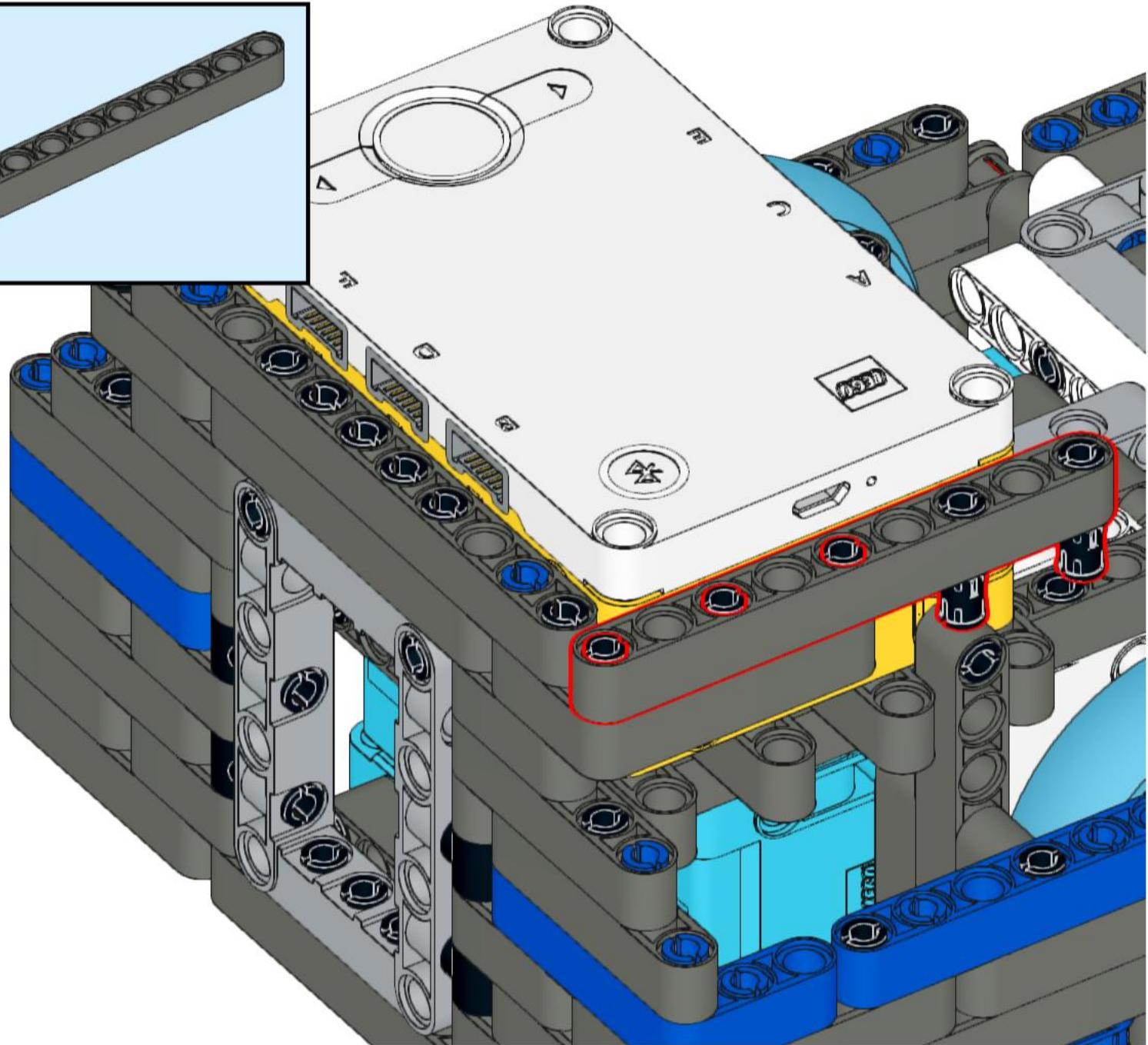
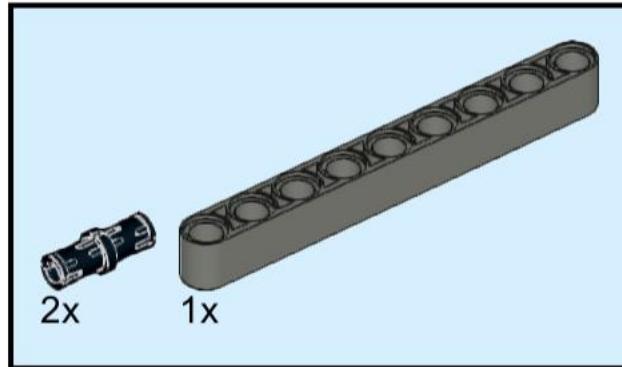
If you didn't notice, the left and right sides are not symmetric. That's on purpose, so be careful and don't just copy what you did on one side to the other side. Same for following steps.

109

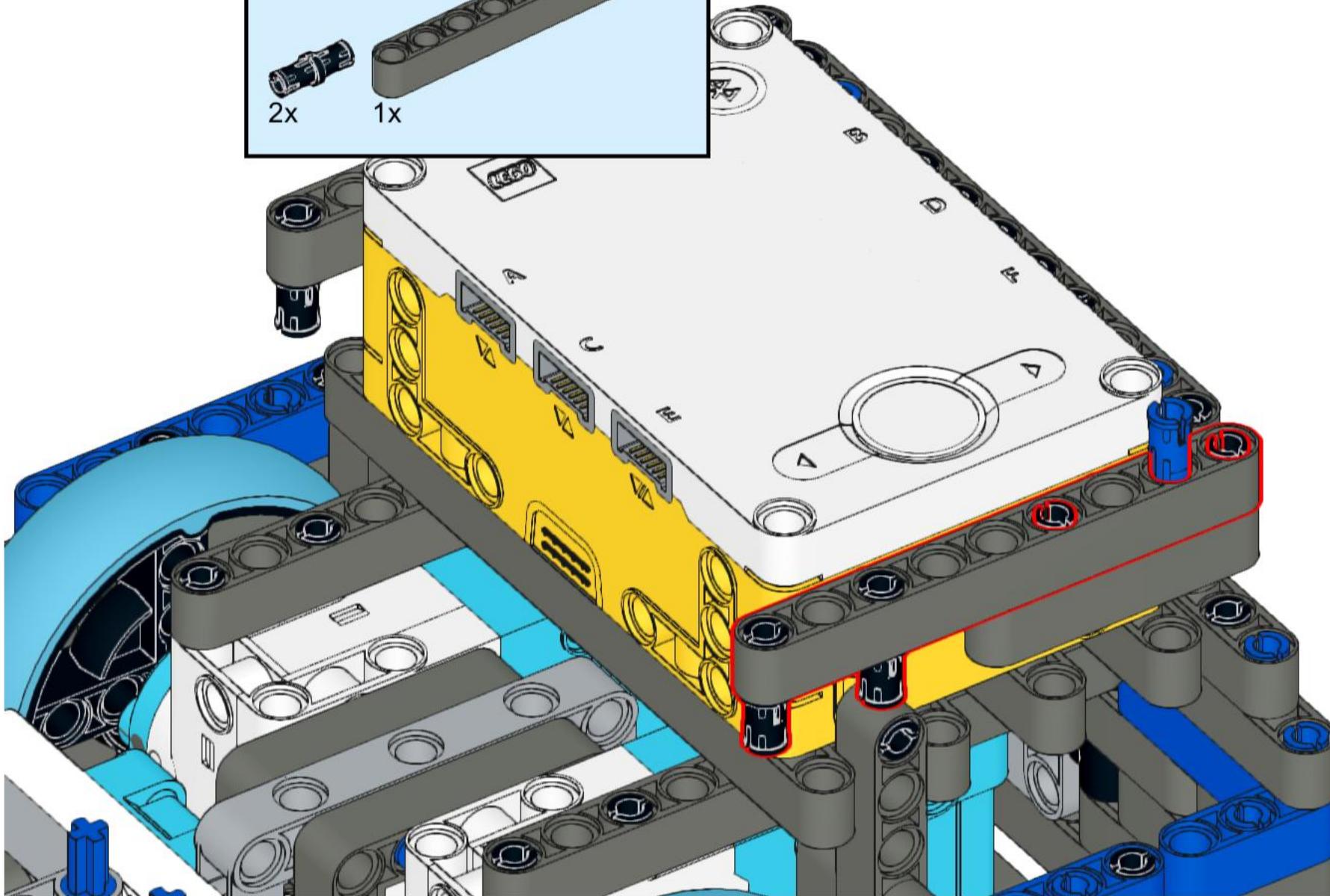
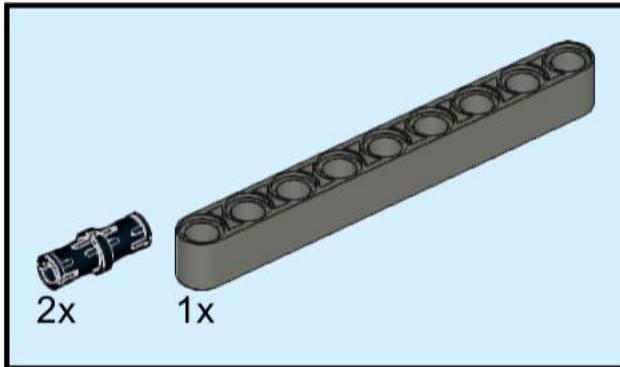


Plug the wires back in after installing the beam here.

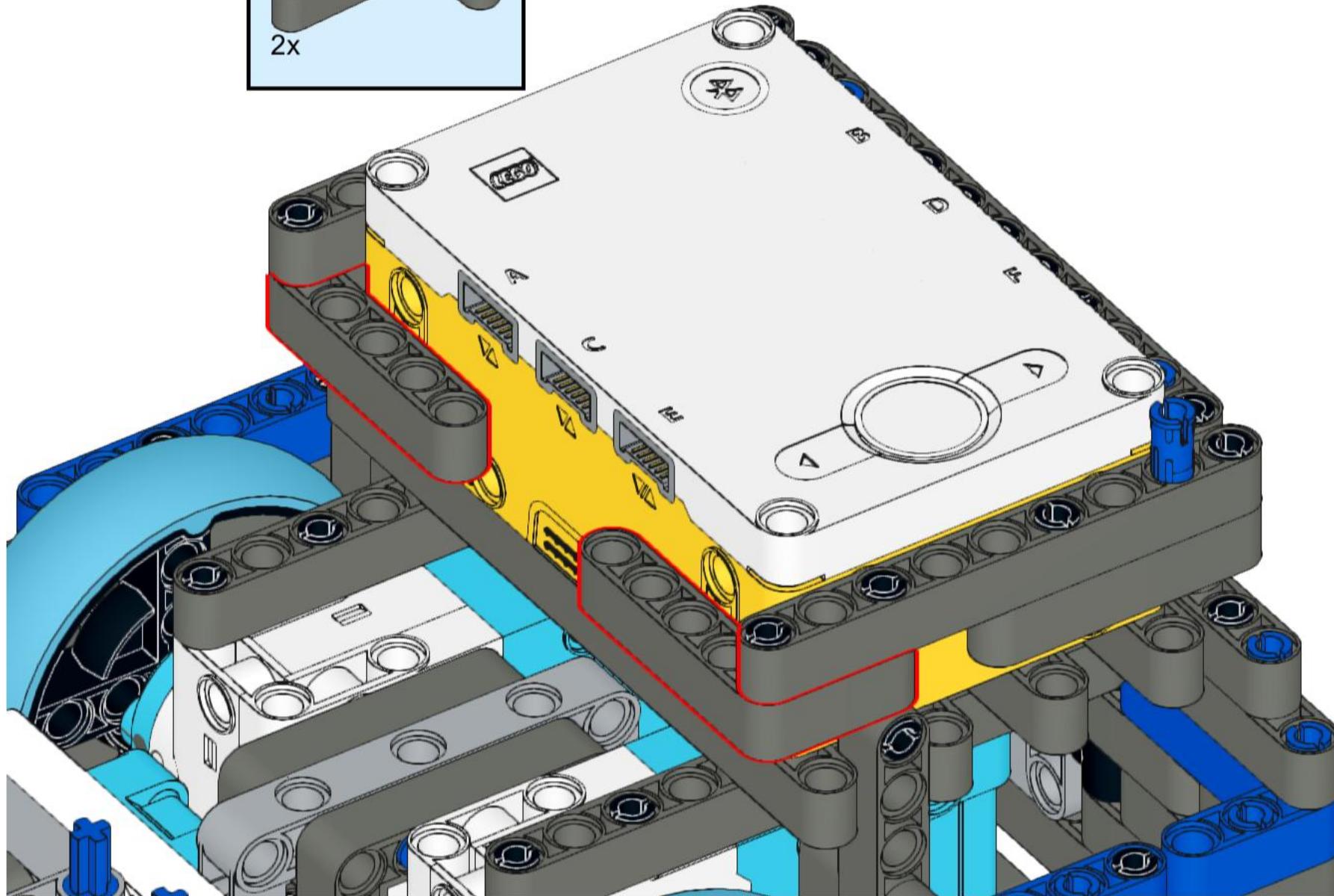
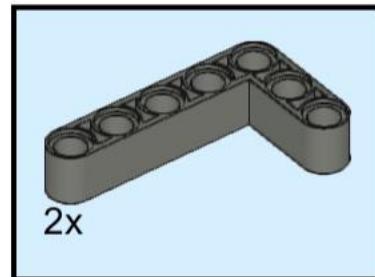
110



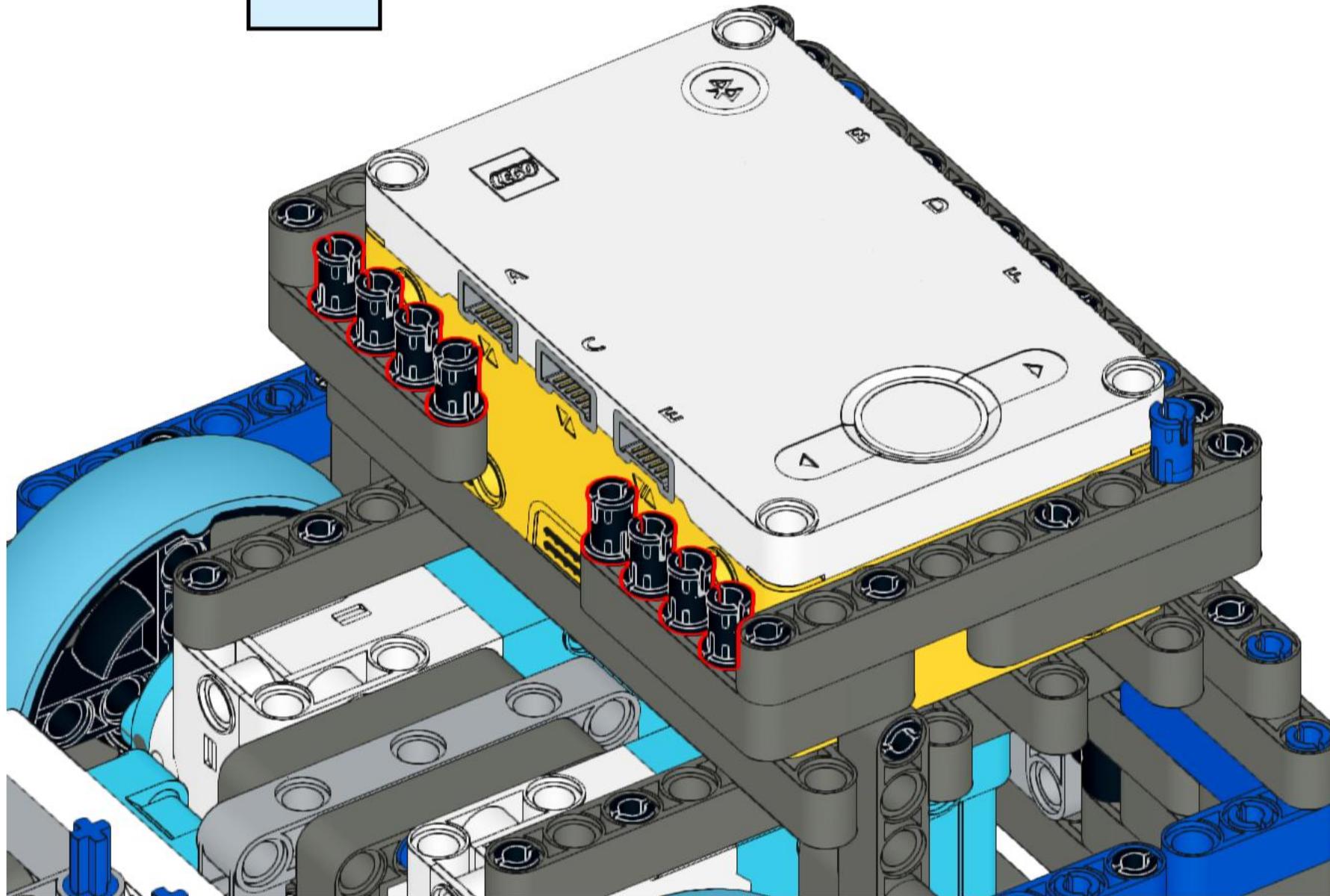
111



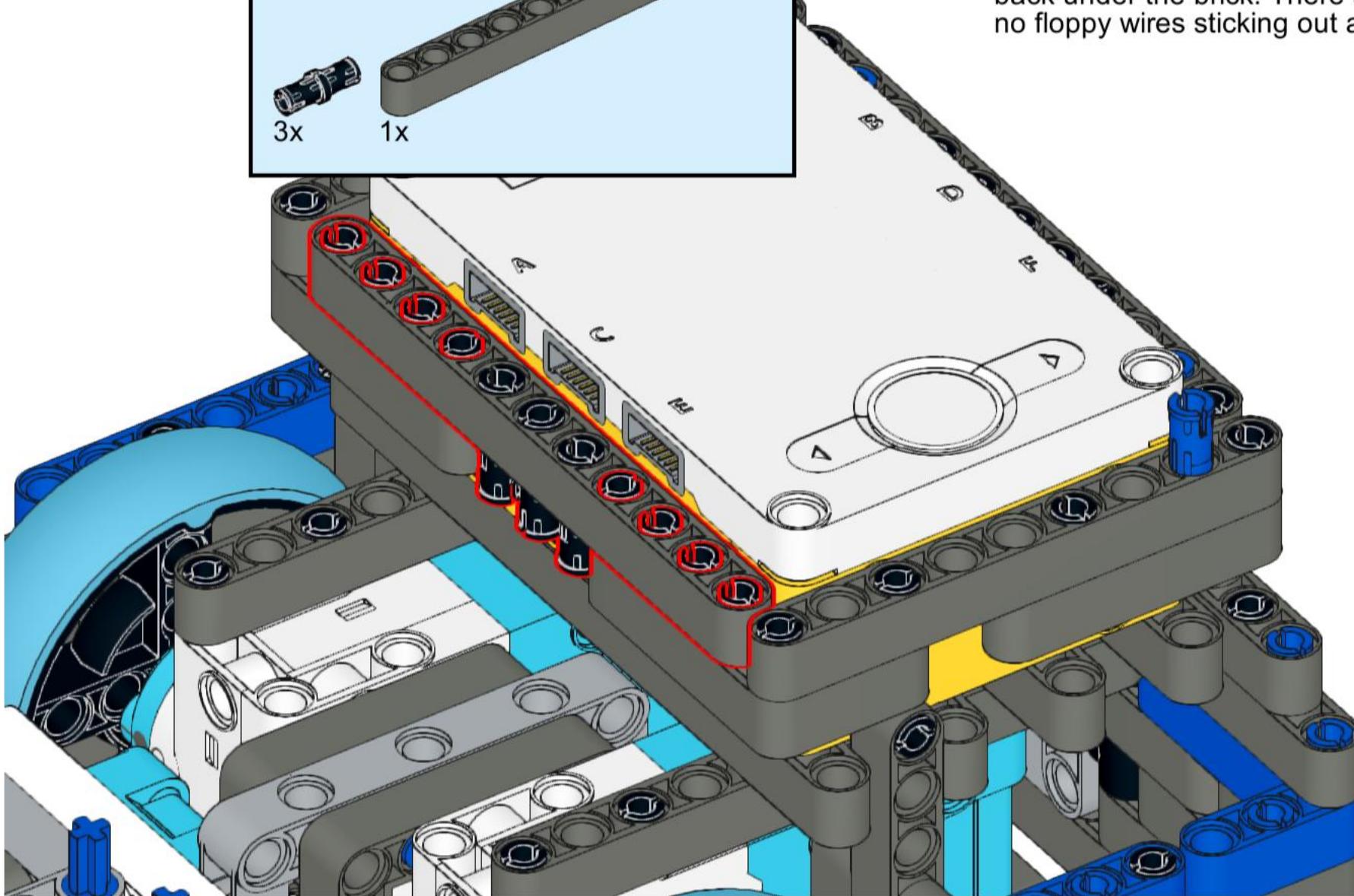
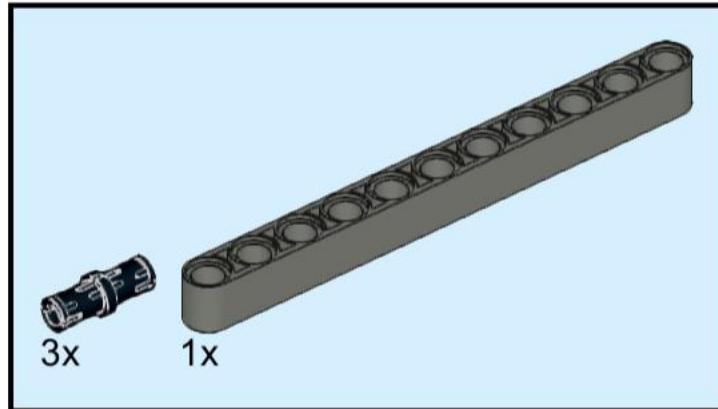
112



113

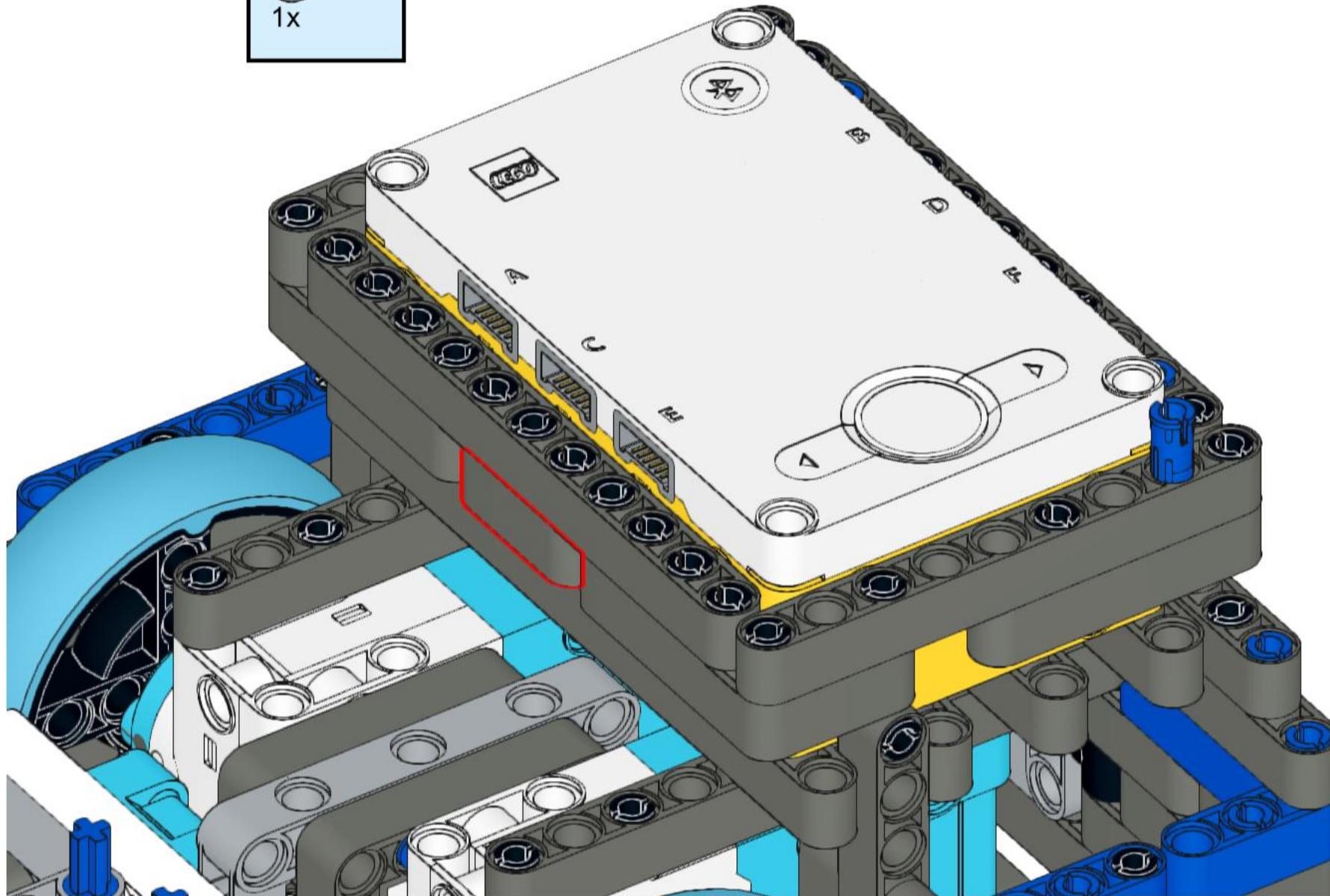
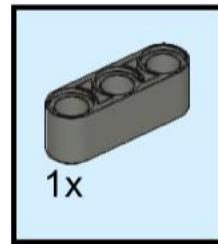


114

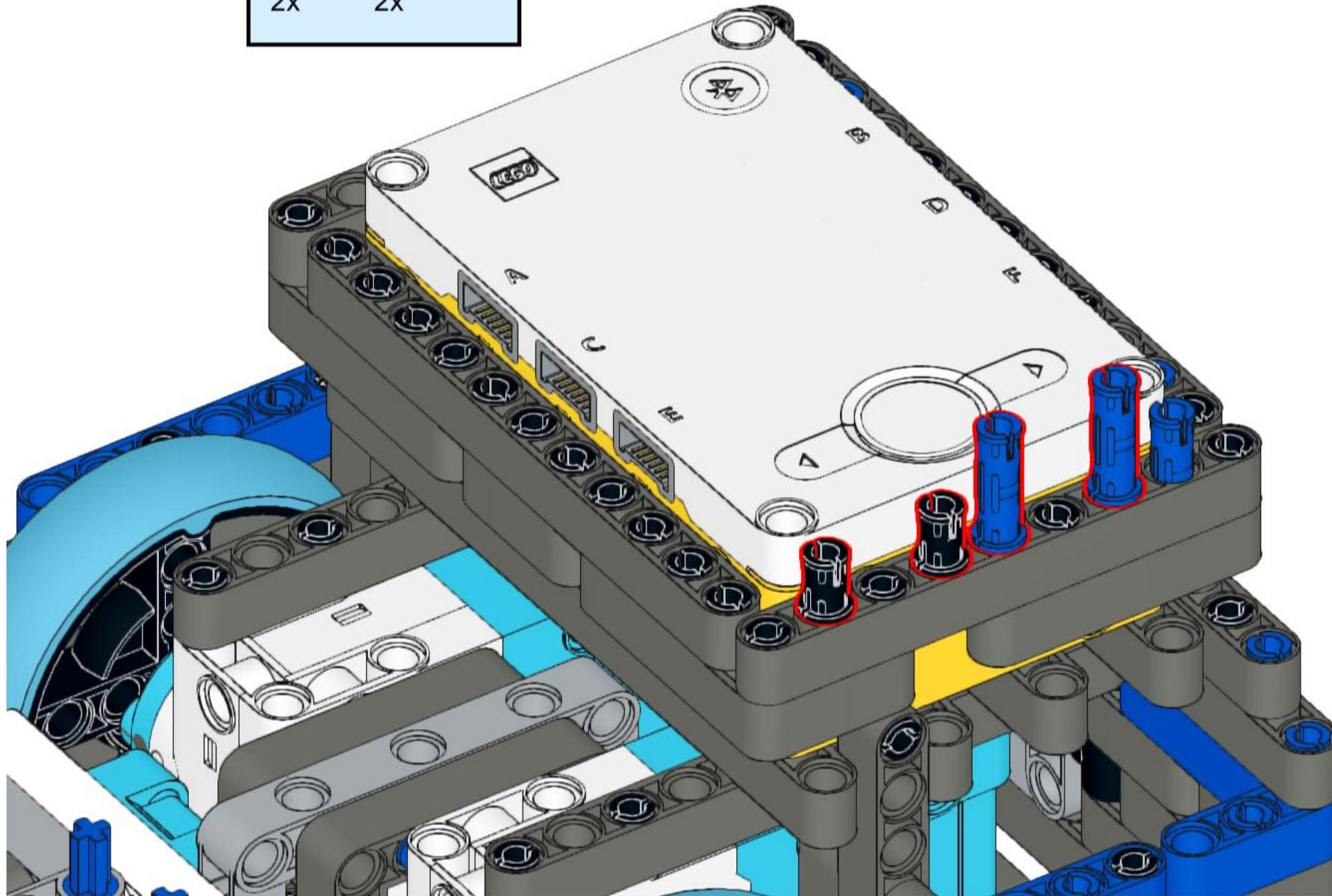
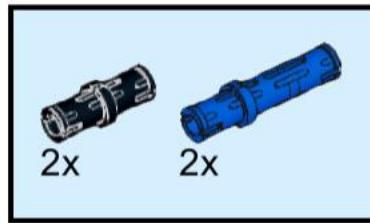


Again, you may need to unplug the wires temporarily to get this beam in place. Once you have it done, carefully get all of the wires tucked back under the brick. There should be no floppy wires sticking out anywhere.

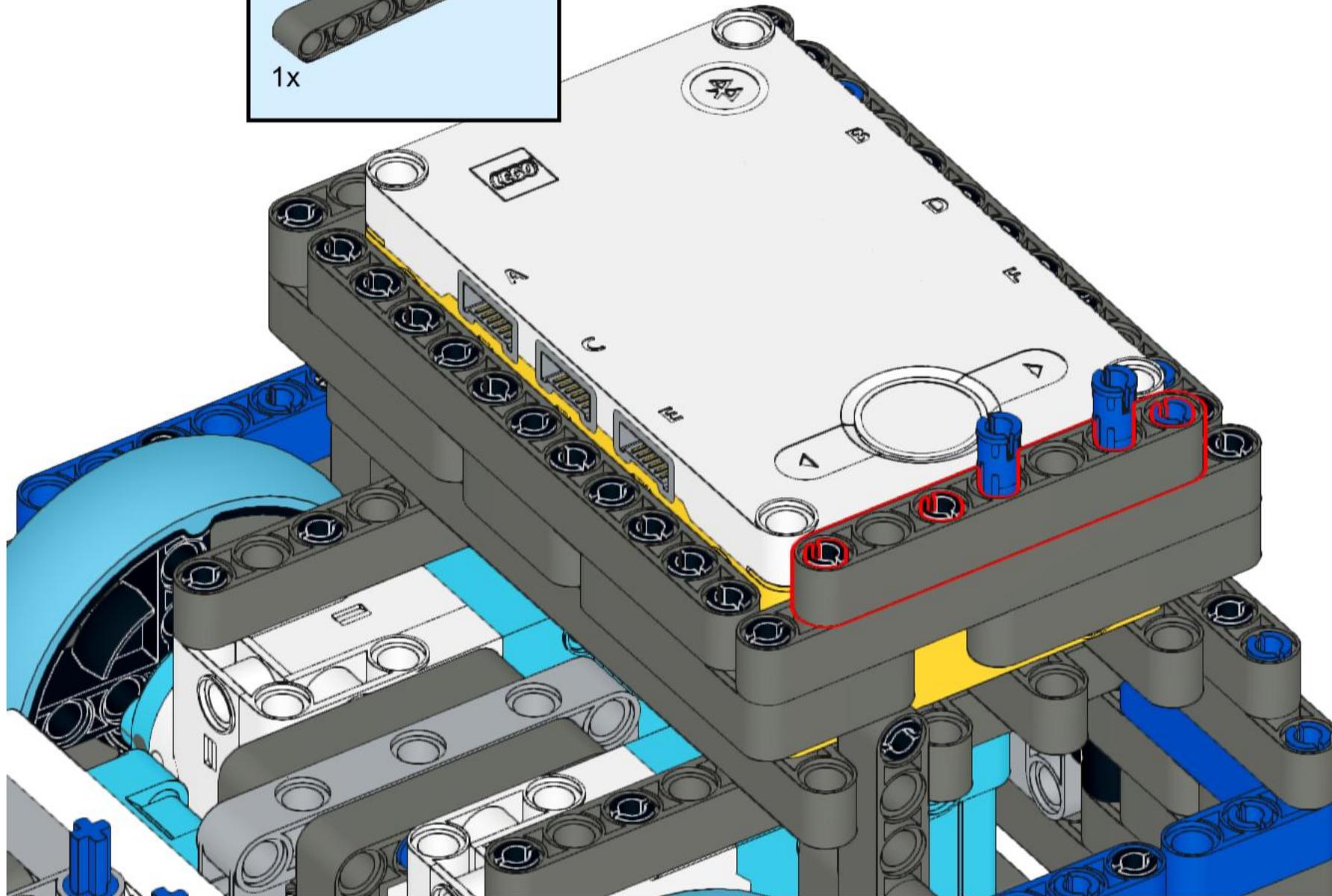
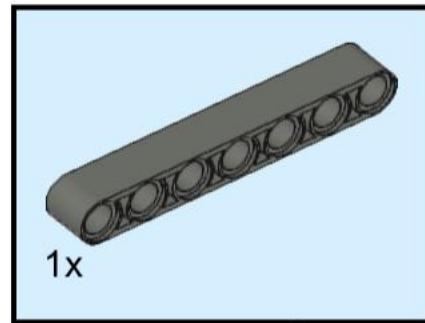
115



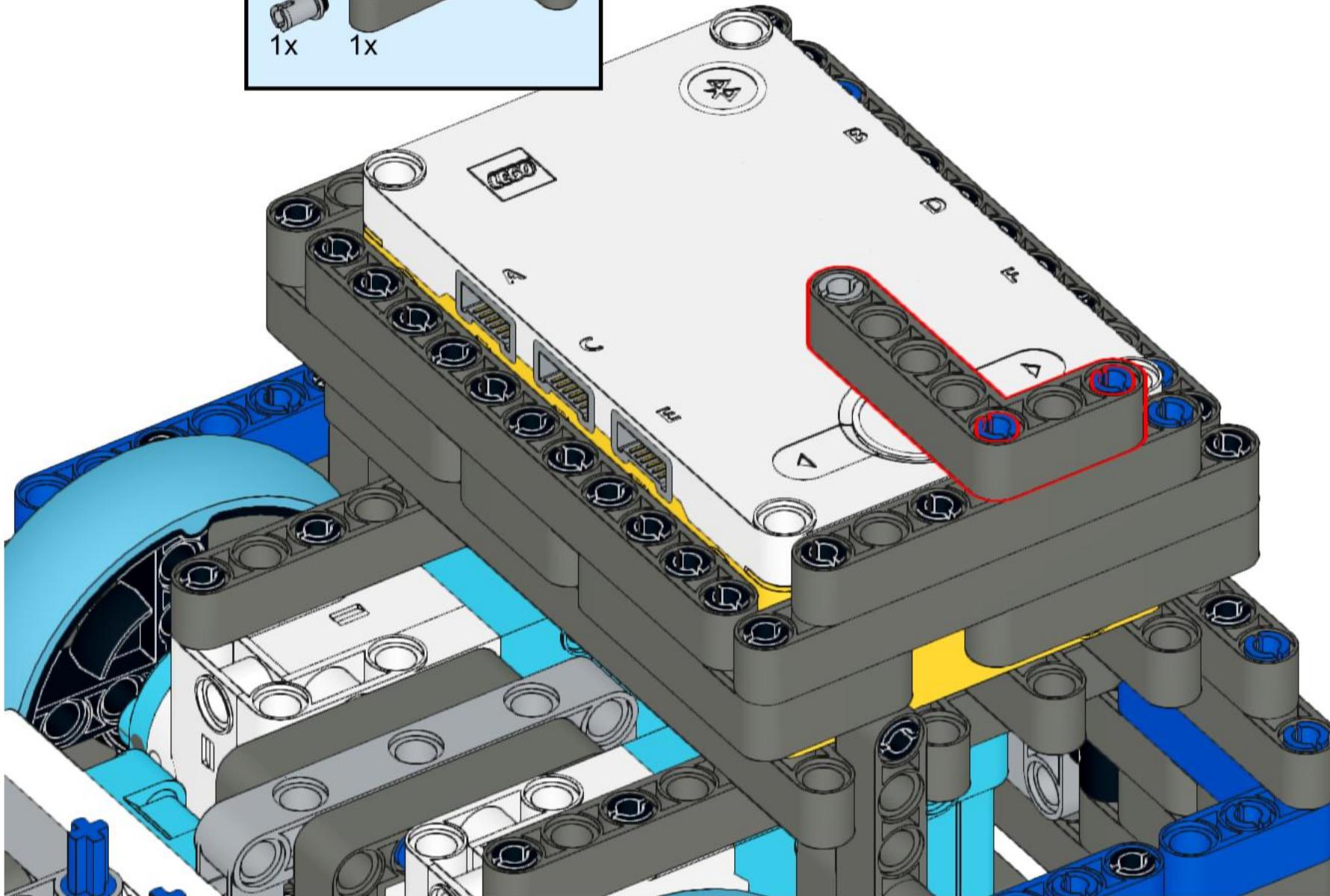
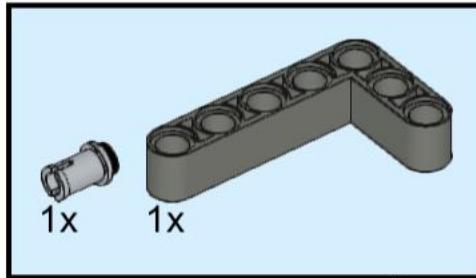
116



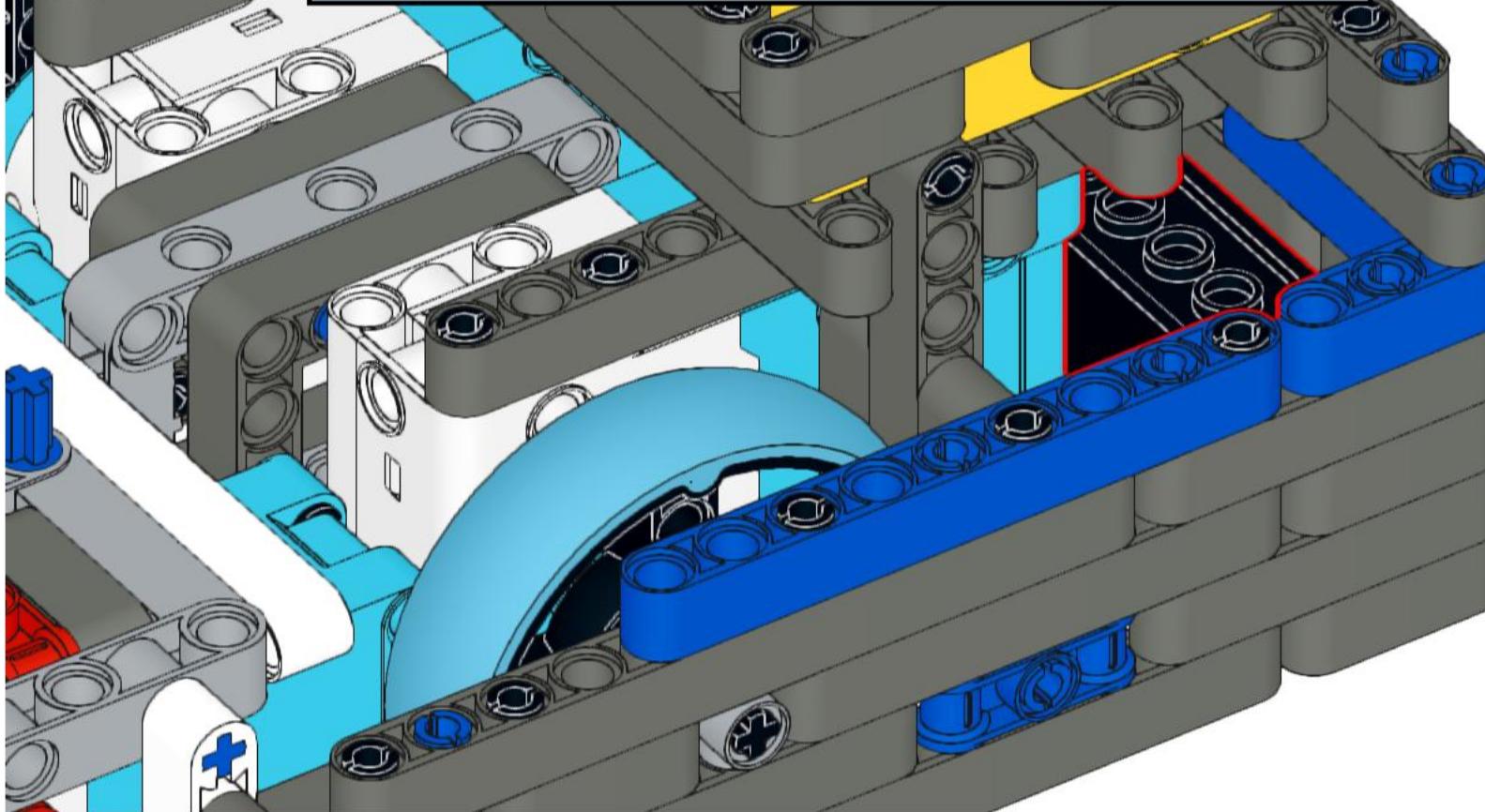
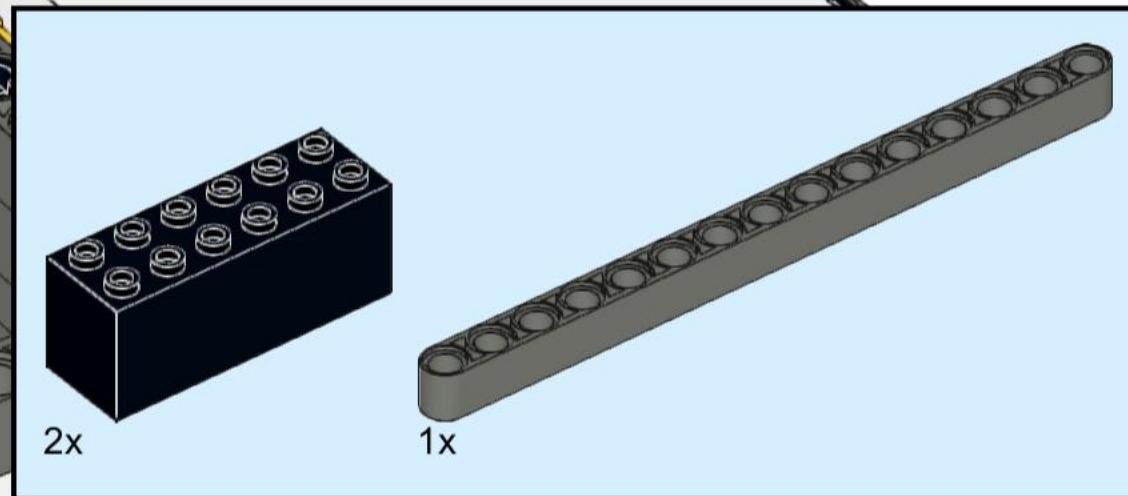
117



118



119





122x
2780
Black



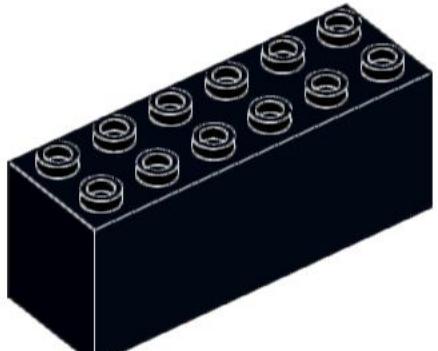
6x
15100
Black



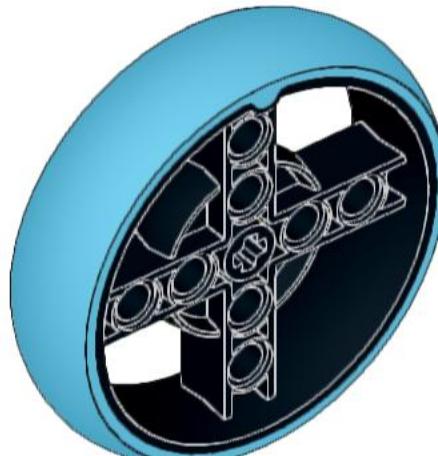
3x
3705
Black



1x
37308c01
Black



2x
73090b
Black



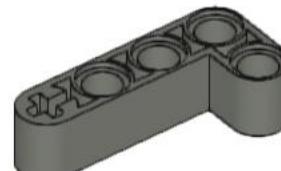
2x
39367pb01
Black



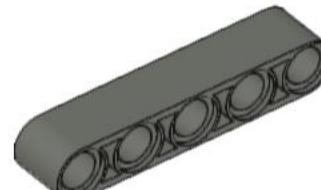
2x
42003
Dark Bluish Gray



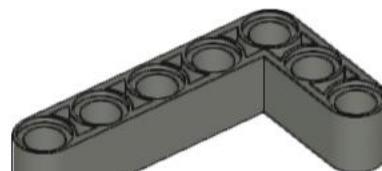
13x
32523
Dark Bluish Gray



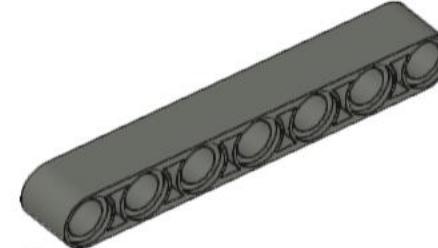
2x
32140
Dark Bluish Gray



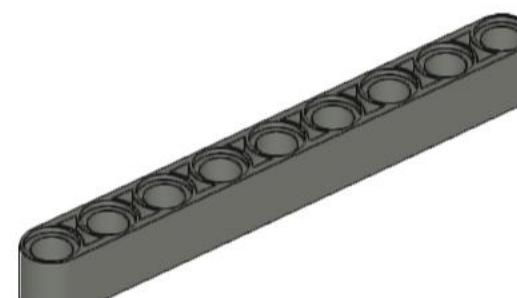
10x
32316
Dark Bluish Gray



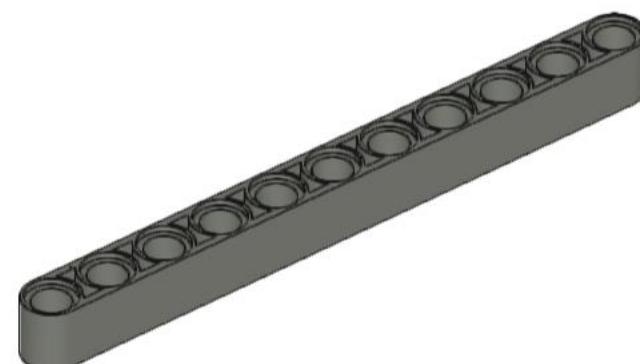
21x
32526
Dark Bluish Gray



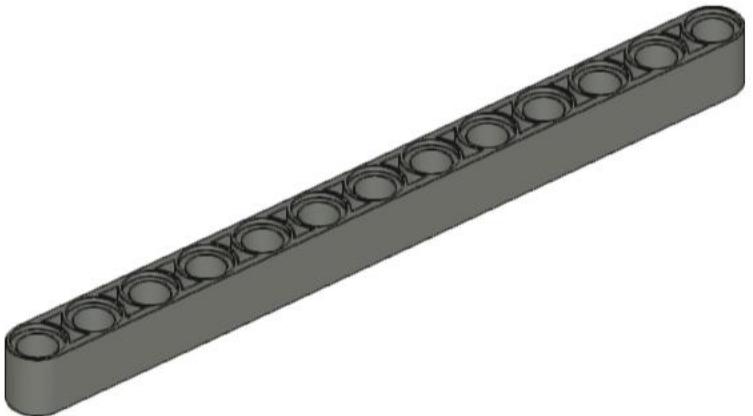
9x
32524
Dark Bluish Gray



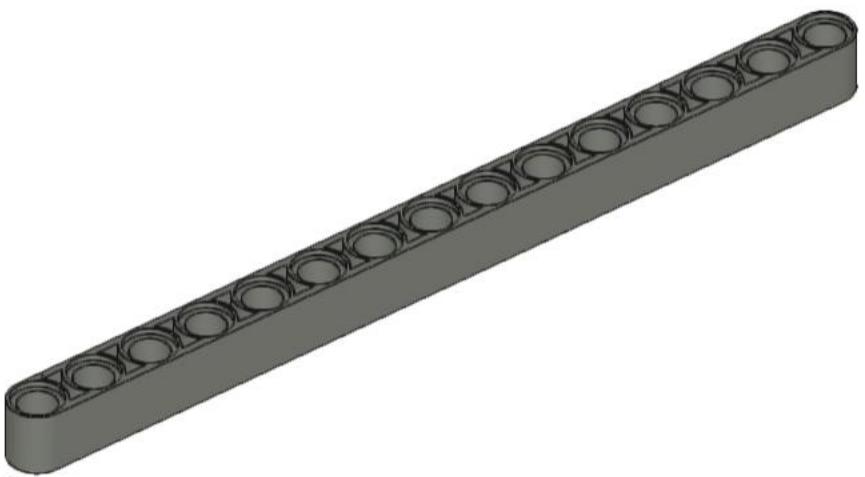
2x
40490
Dark Bluish Gray



8x
32525
Dark Bluish Gray



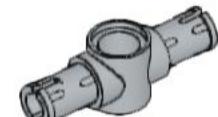
6x
41239
Dark Bluish Gray



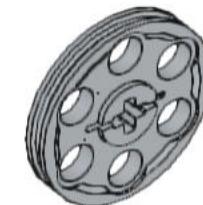
3x
32278
Dark Bluish Gray



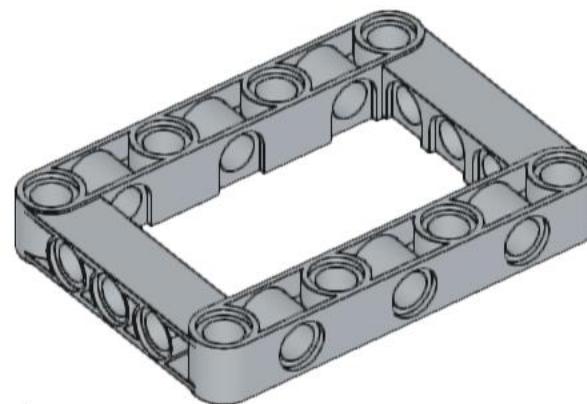
1x
4274
Light Bluish Gray



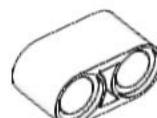
2x
87082
Light Bluish Gray



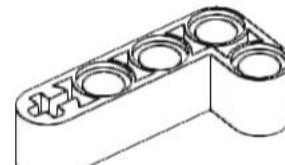
2x
4185
Light Bluish Gray



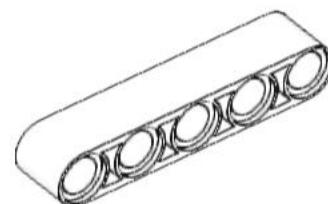
4x
64179
Light Bluish Gray



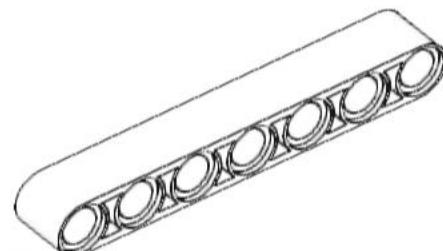
2x
43857
White



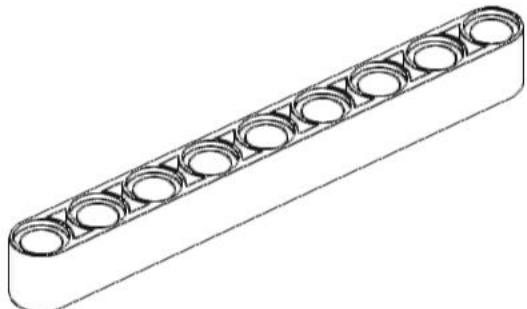
4x
32140
White



2x
32316
White



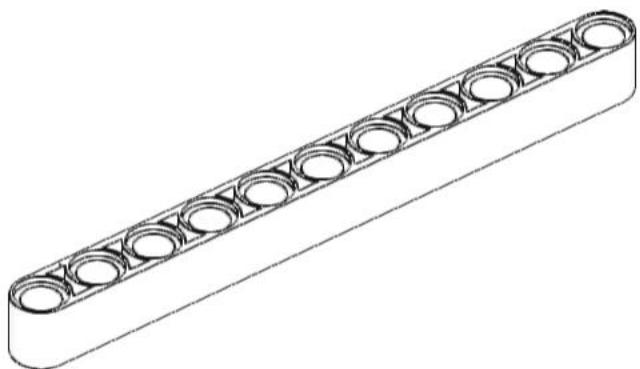
1x
32524
White



1x
40490
White



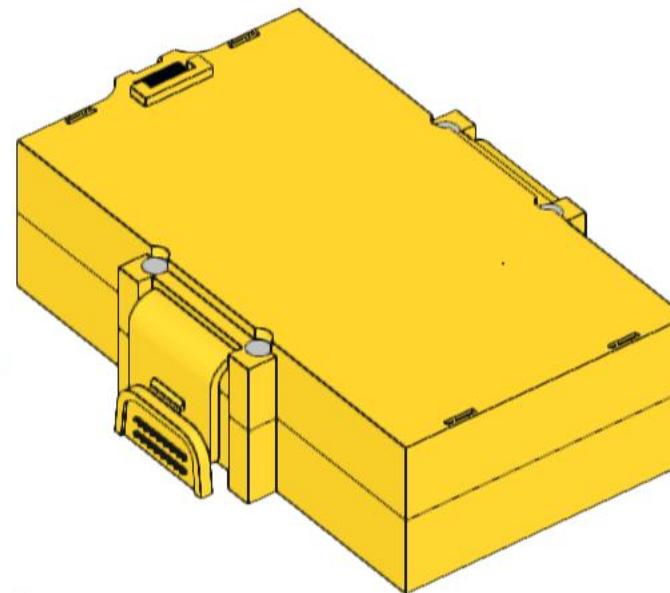
4x
32184
Red



1x
32525
White



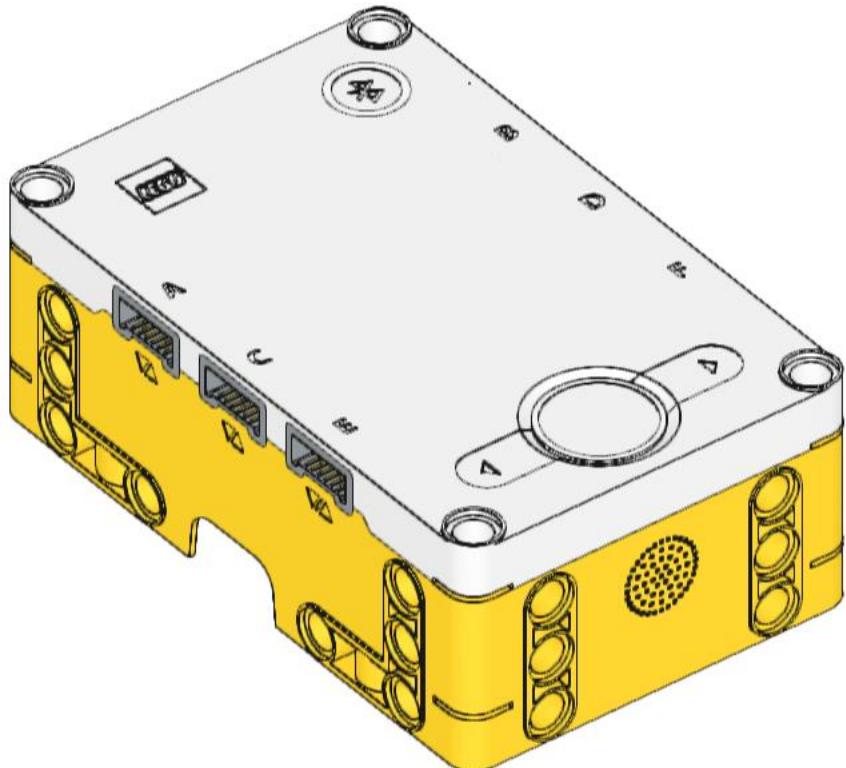
2x
4265c
Yellow



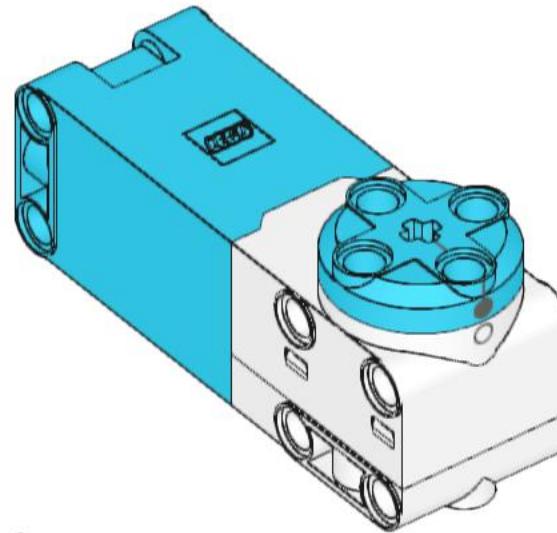
1x
55422c01
Yellow



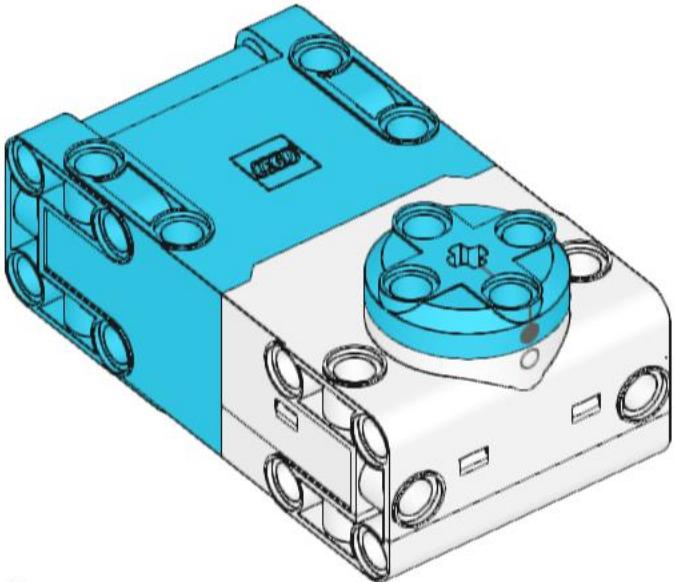
1x
3713
Red



1x
bb1142c01
Yellow



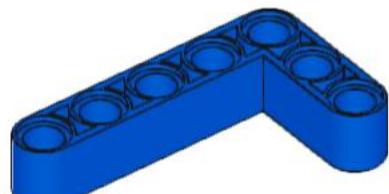
2x
54696c01
Medium Azure



2x
54675c01
Medium Azure



2x
32184
Blue



2x
32526
Blue



14x
43093
Blue



84x
6558
Blue



2x
40490
Blue