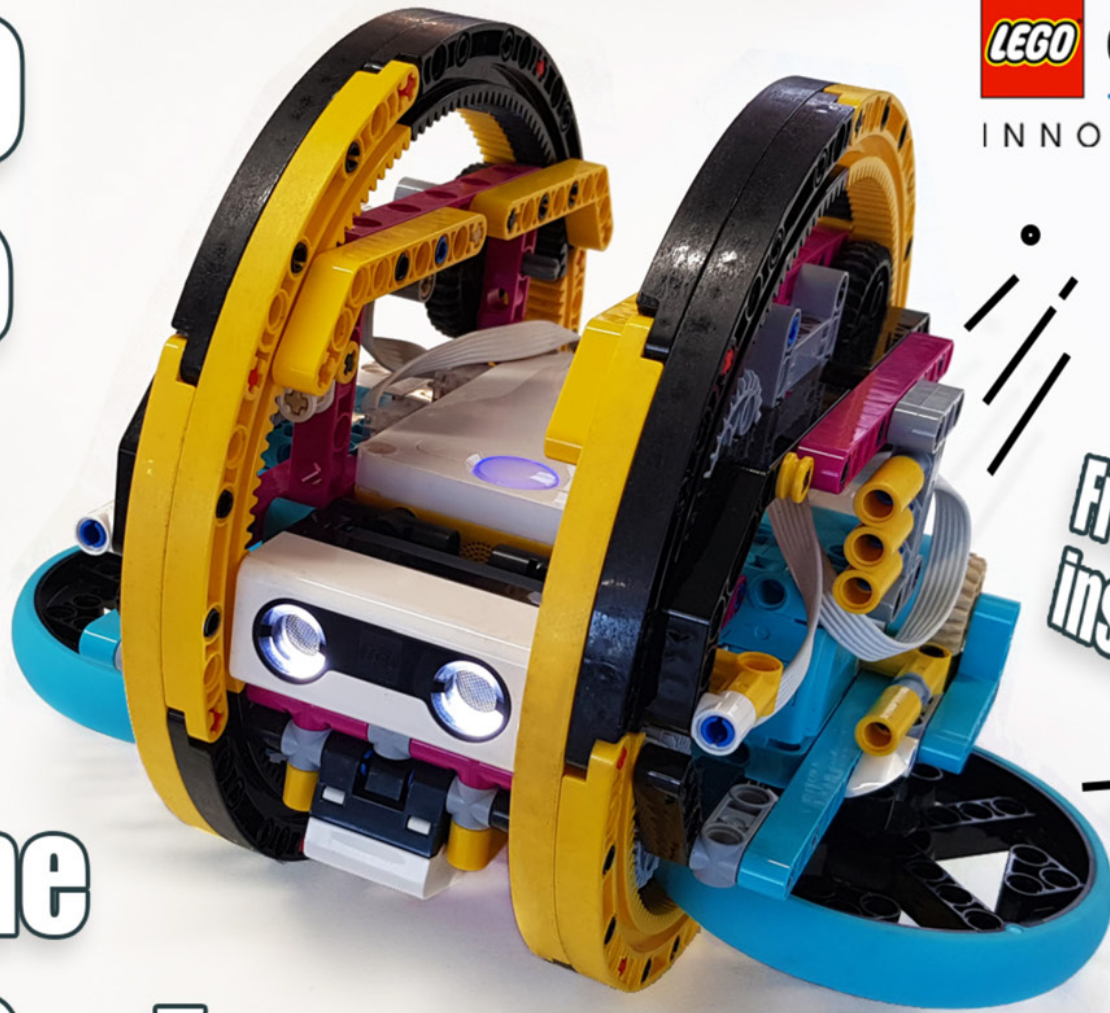


How to Build?



SPIKE Prime SwirlBot

By Dimi



LEGO education **vives**
INNOVATION STUDIO

Free building
instructions!

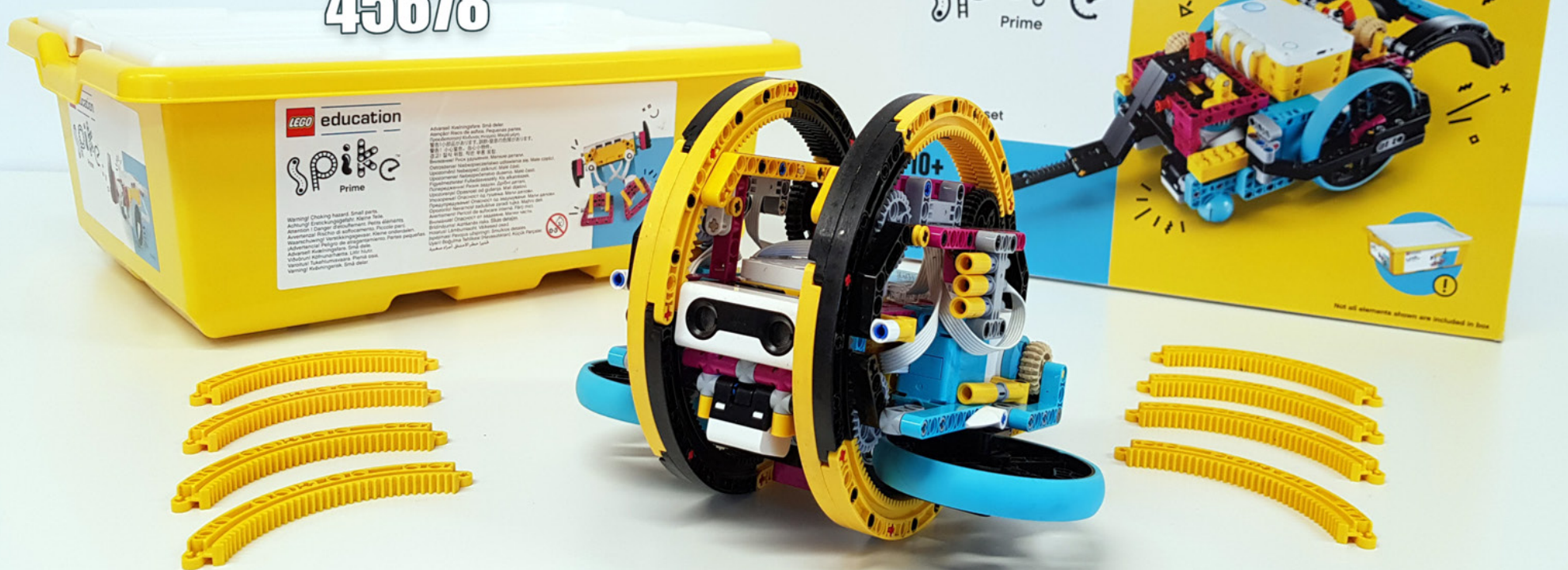


LEGO® Education Academy
Certified Trainer

You Need:

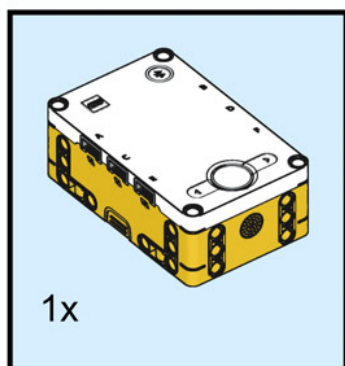
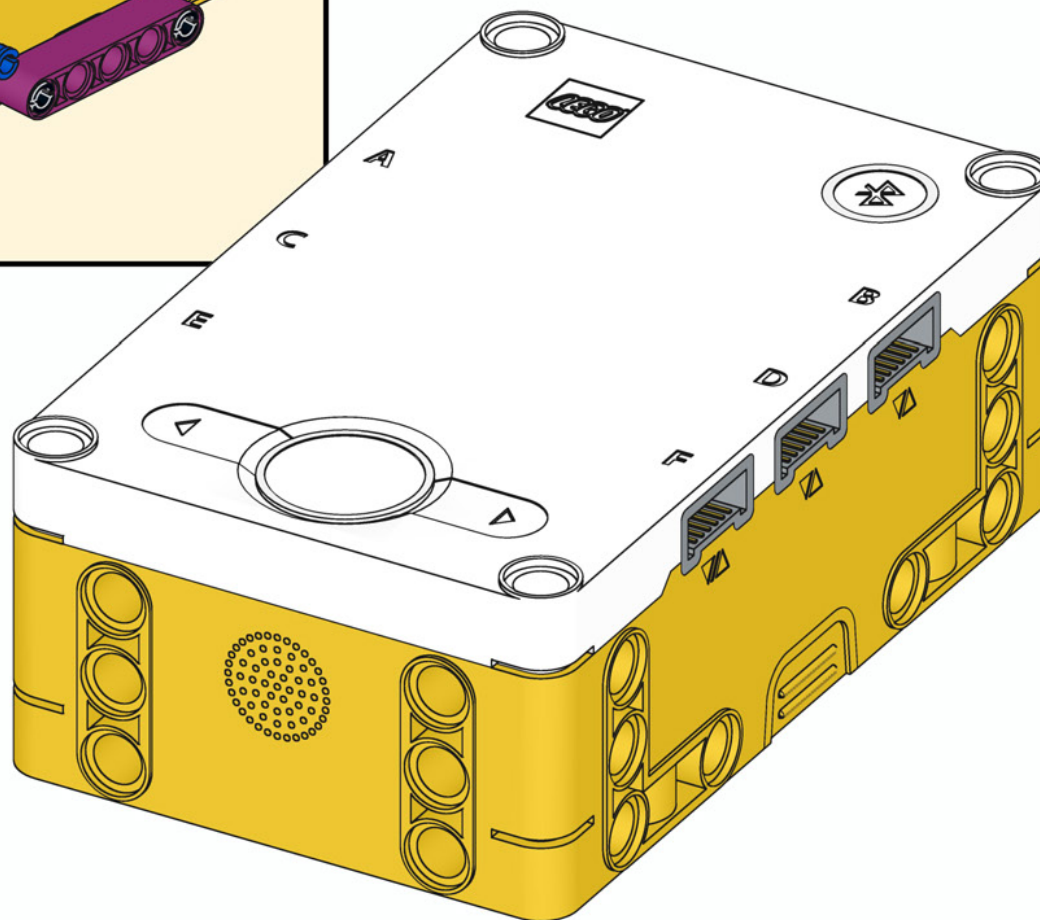
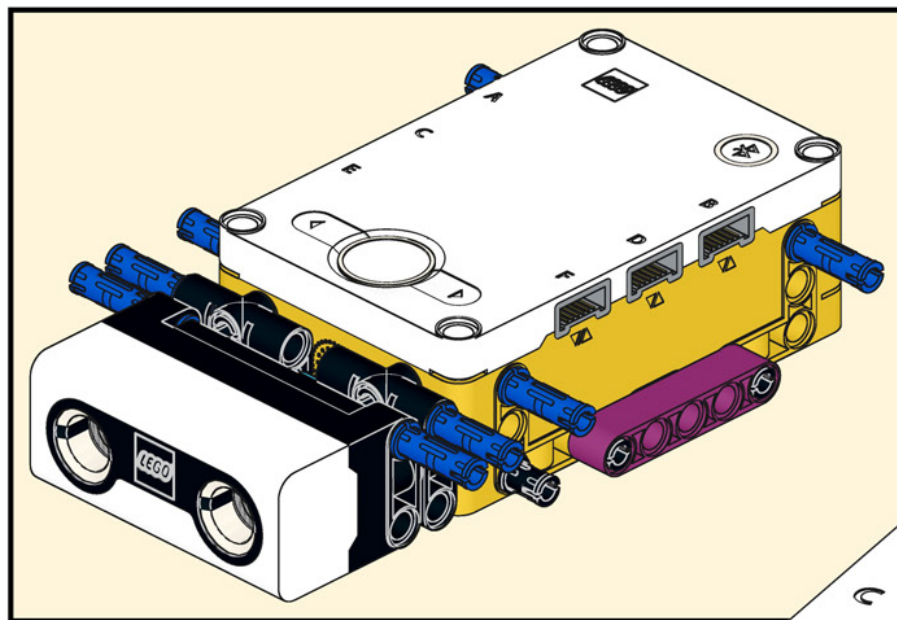
1 x SPIKE Prime Education Set 45678

1 x SPIKE Prime Expansion Set 45680

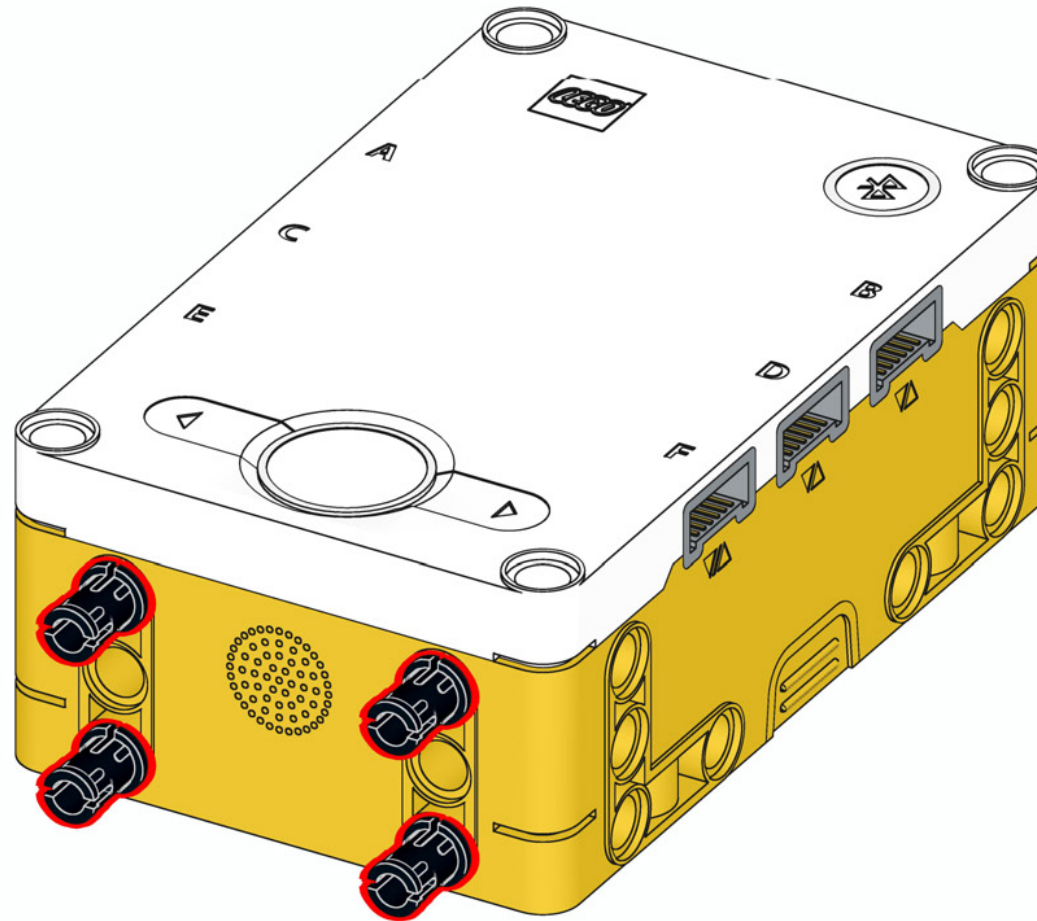
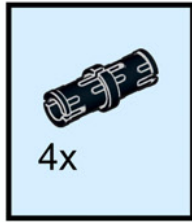


8 x YELLOW 1/4 CIRCLE GEAR RACK 11X11 24121 (or 8 extra black ones from a 2nd Spike Expansion Set)

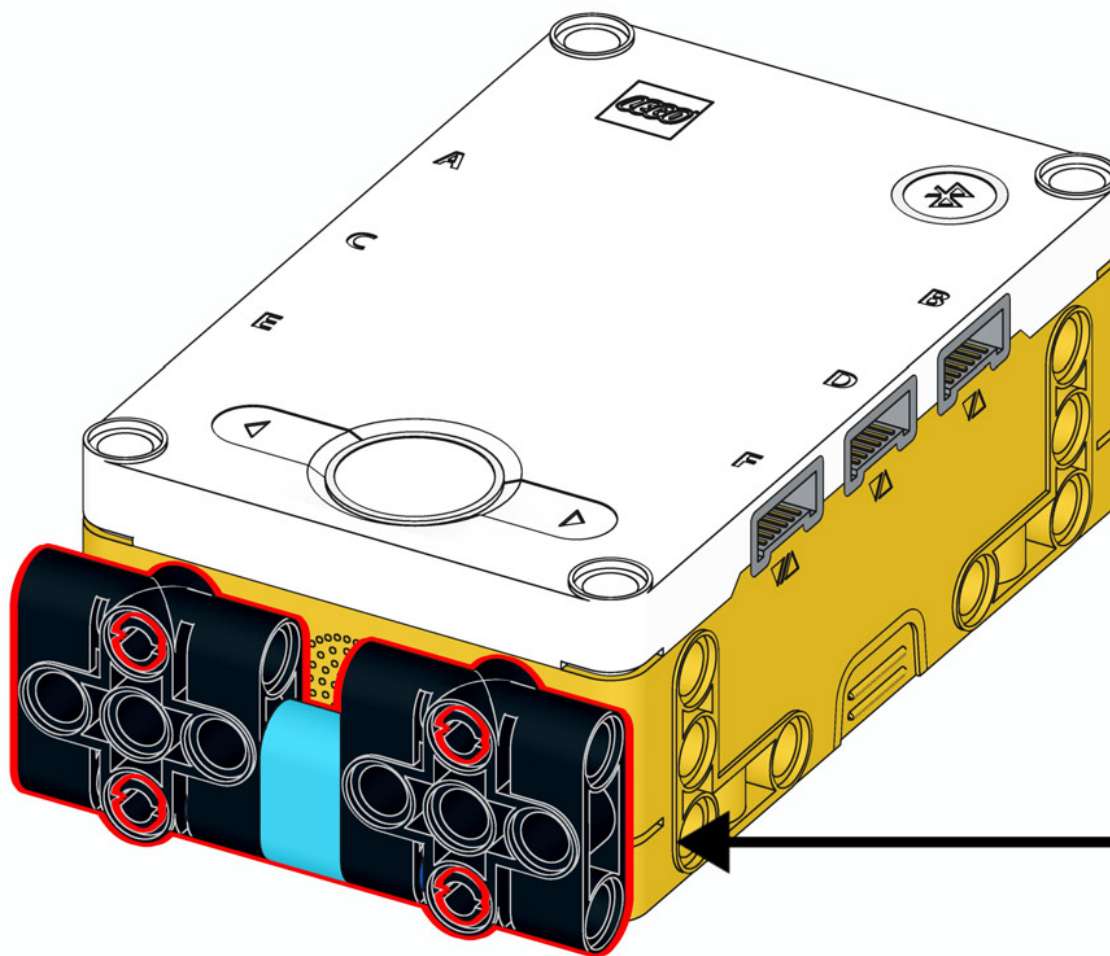
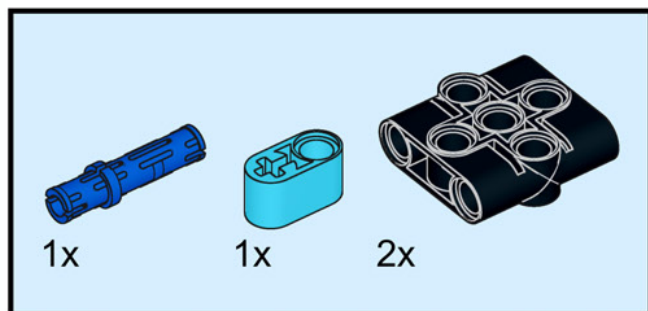
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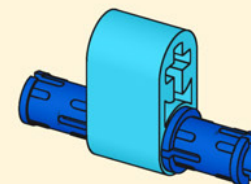
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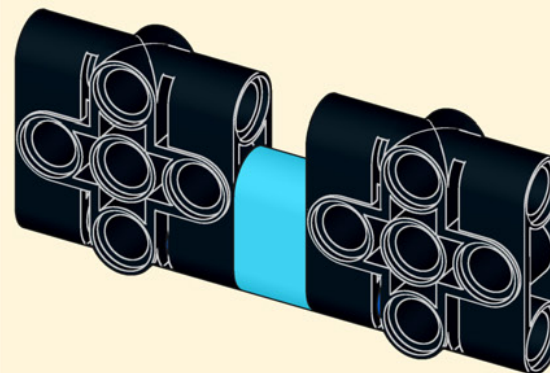
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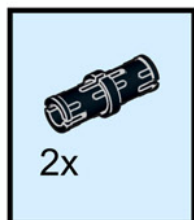
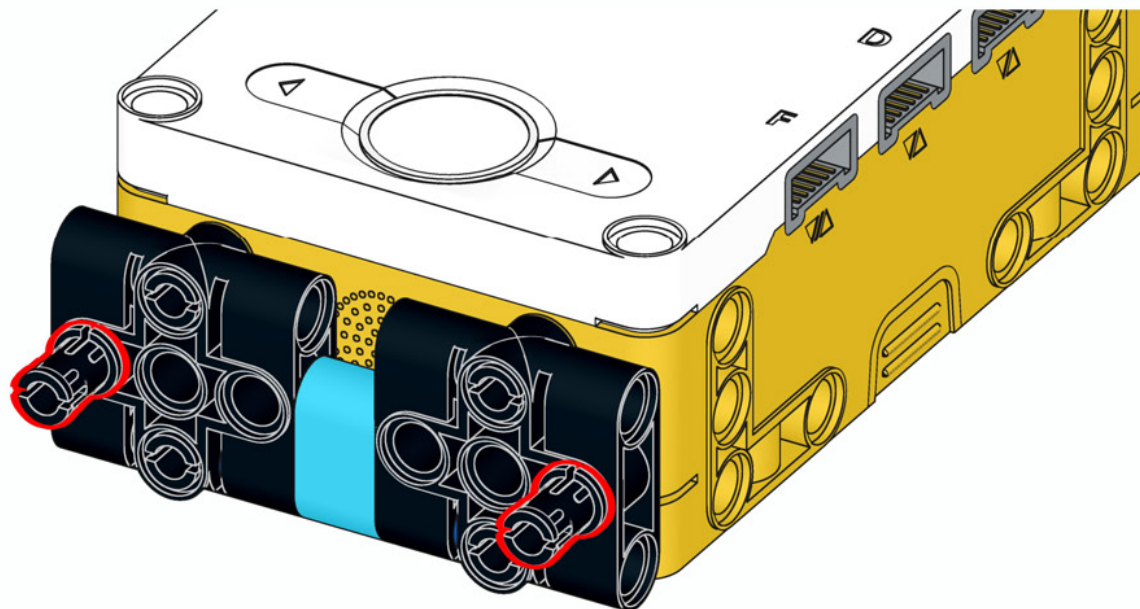
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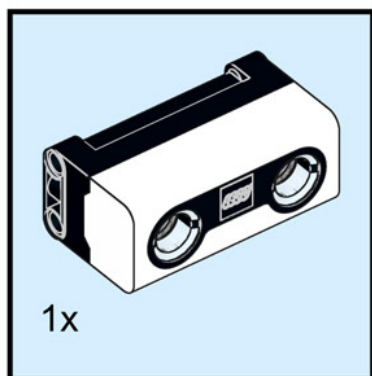
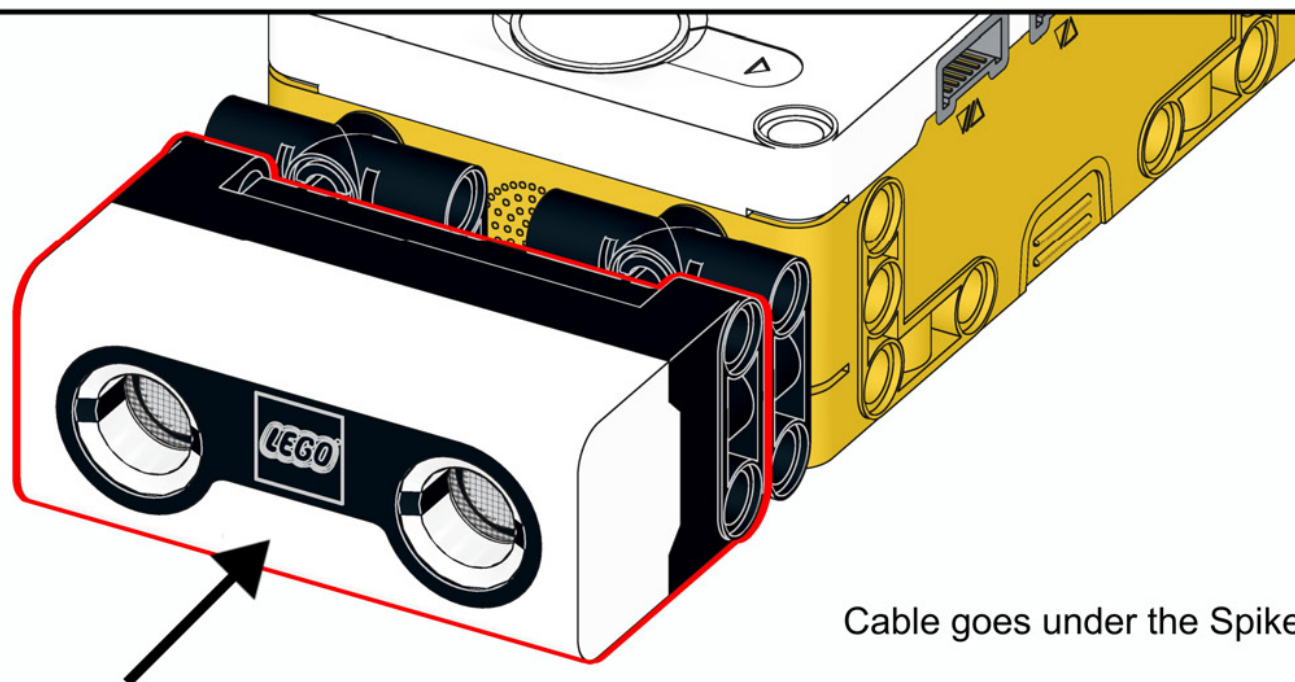
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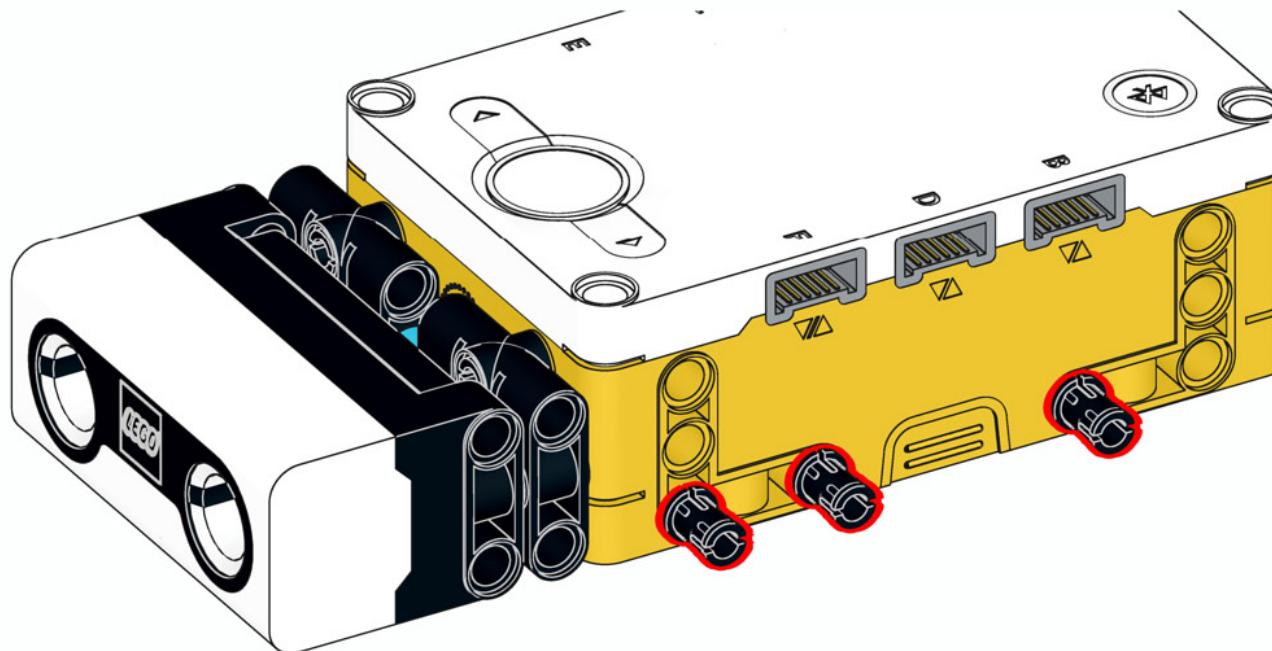
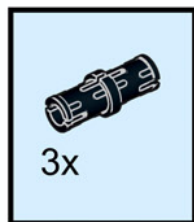


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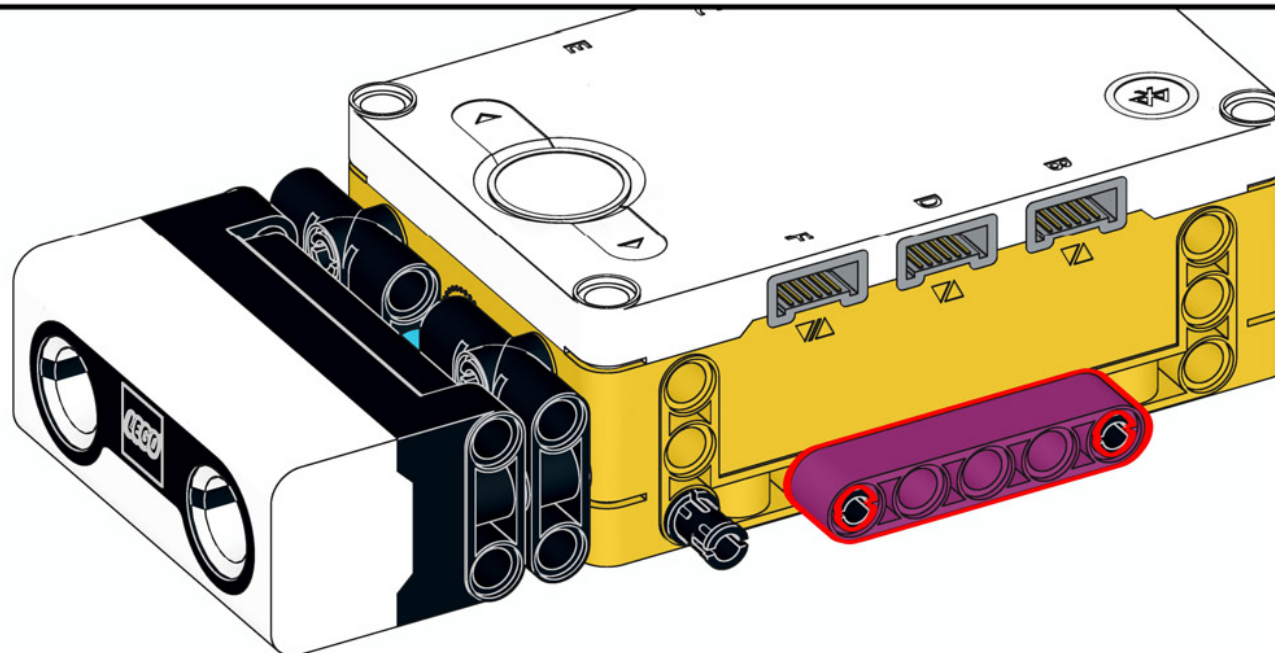
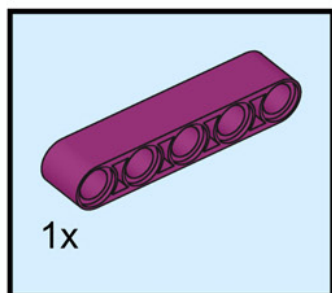


Cable goes under the Spike hub.

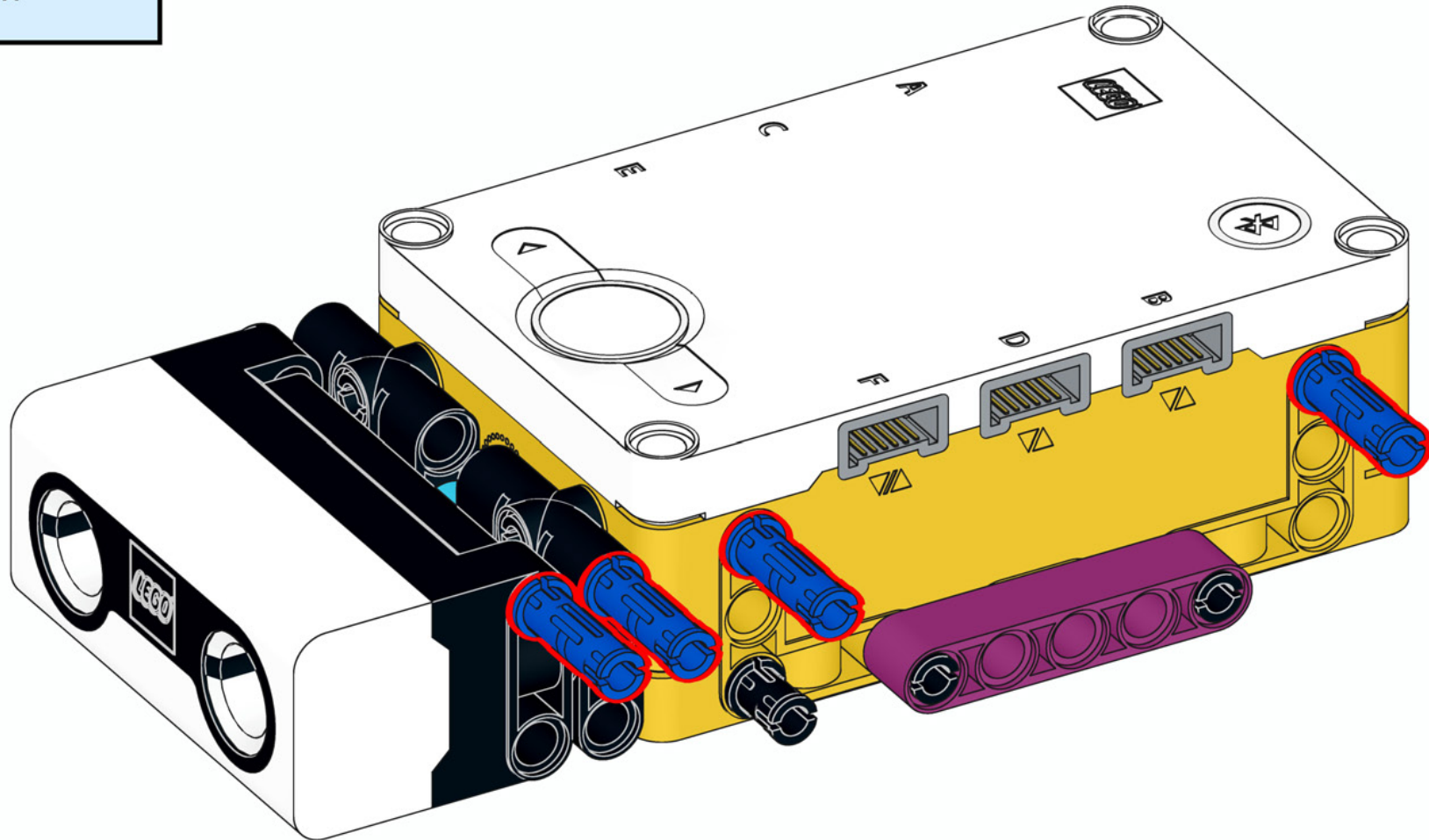
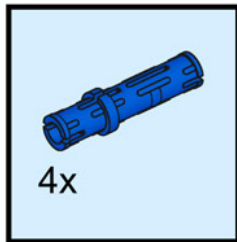
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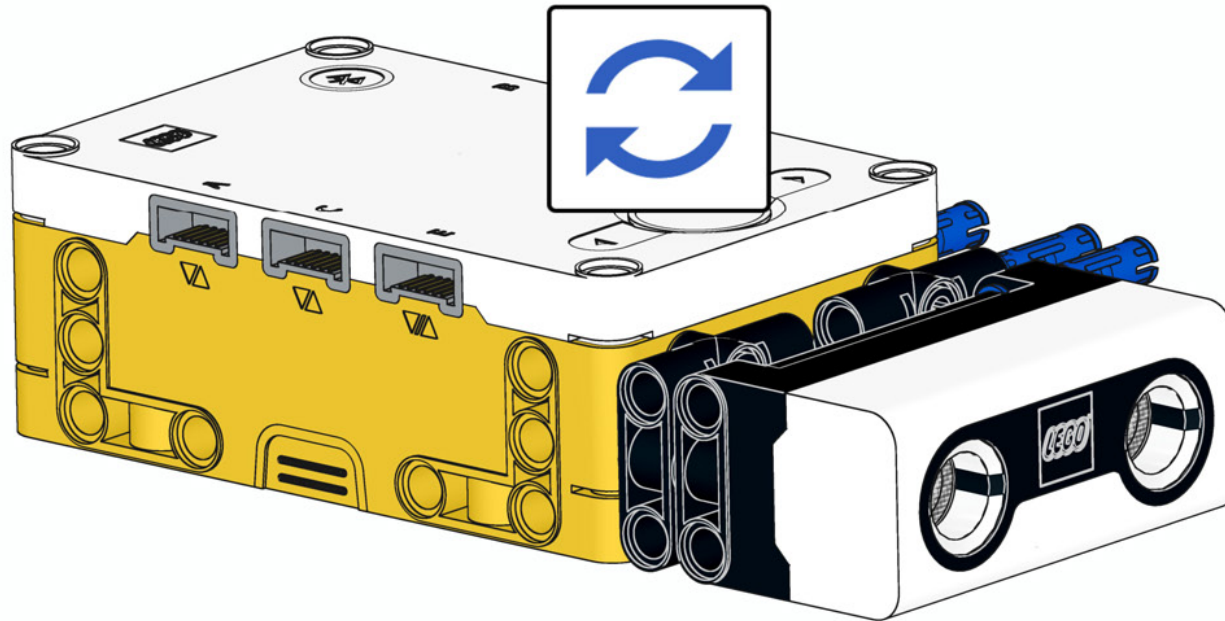
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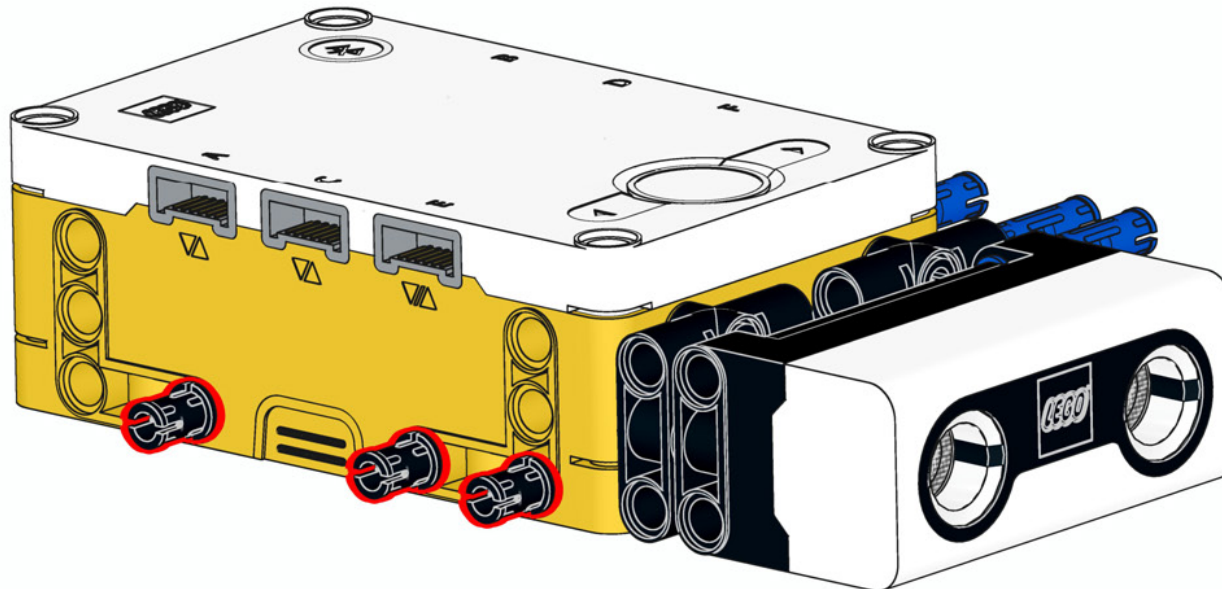
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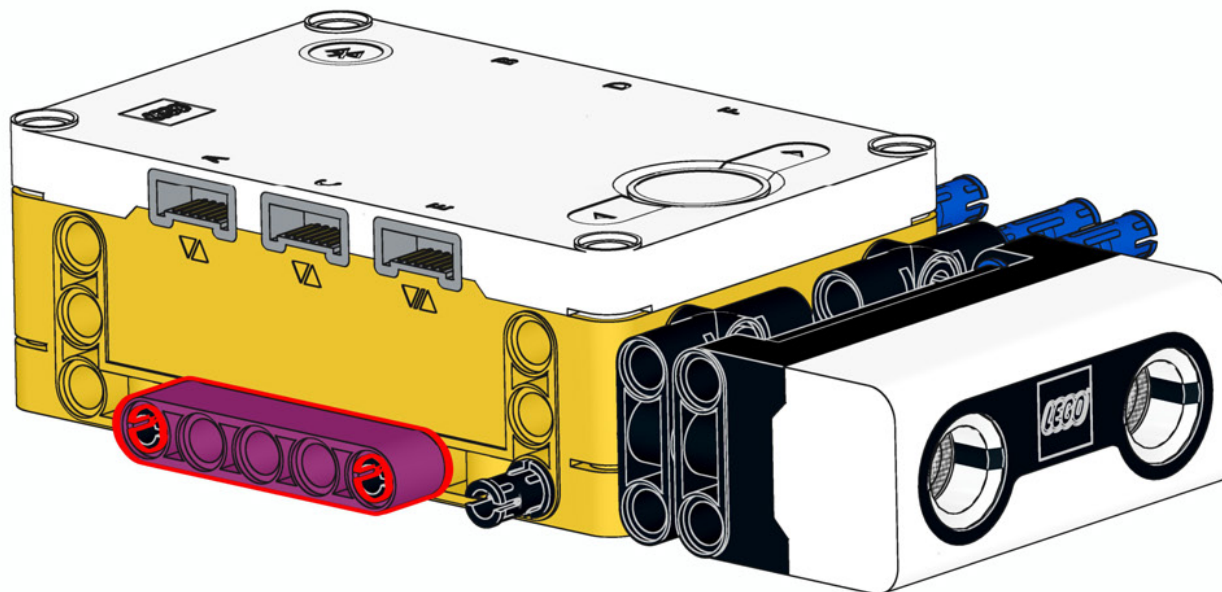
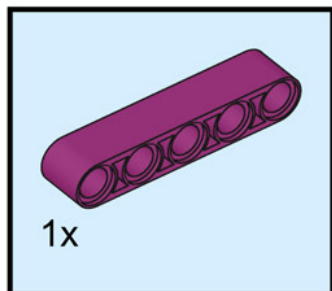
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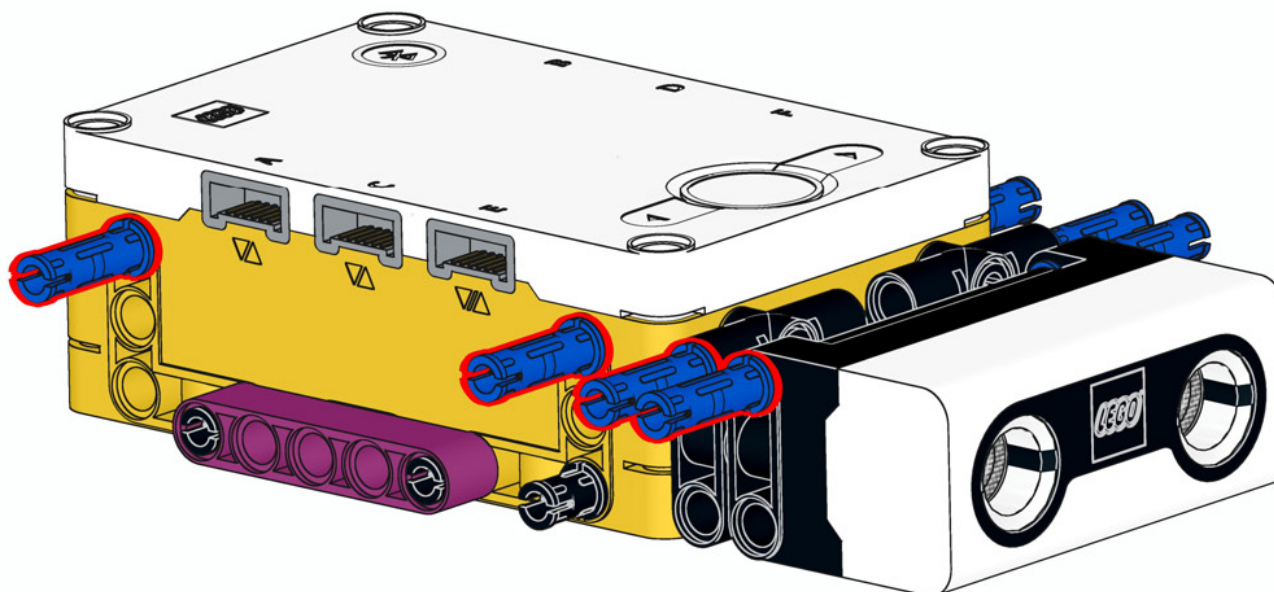
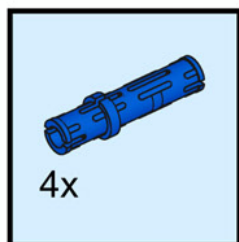
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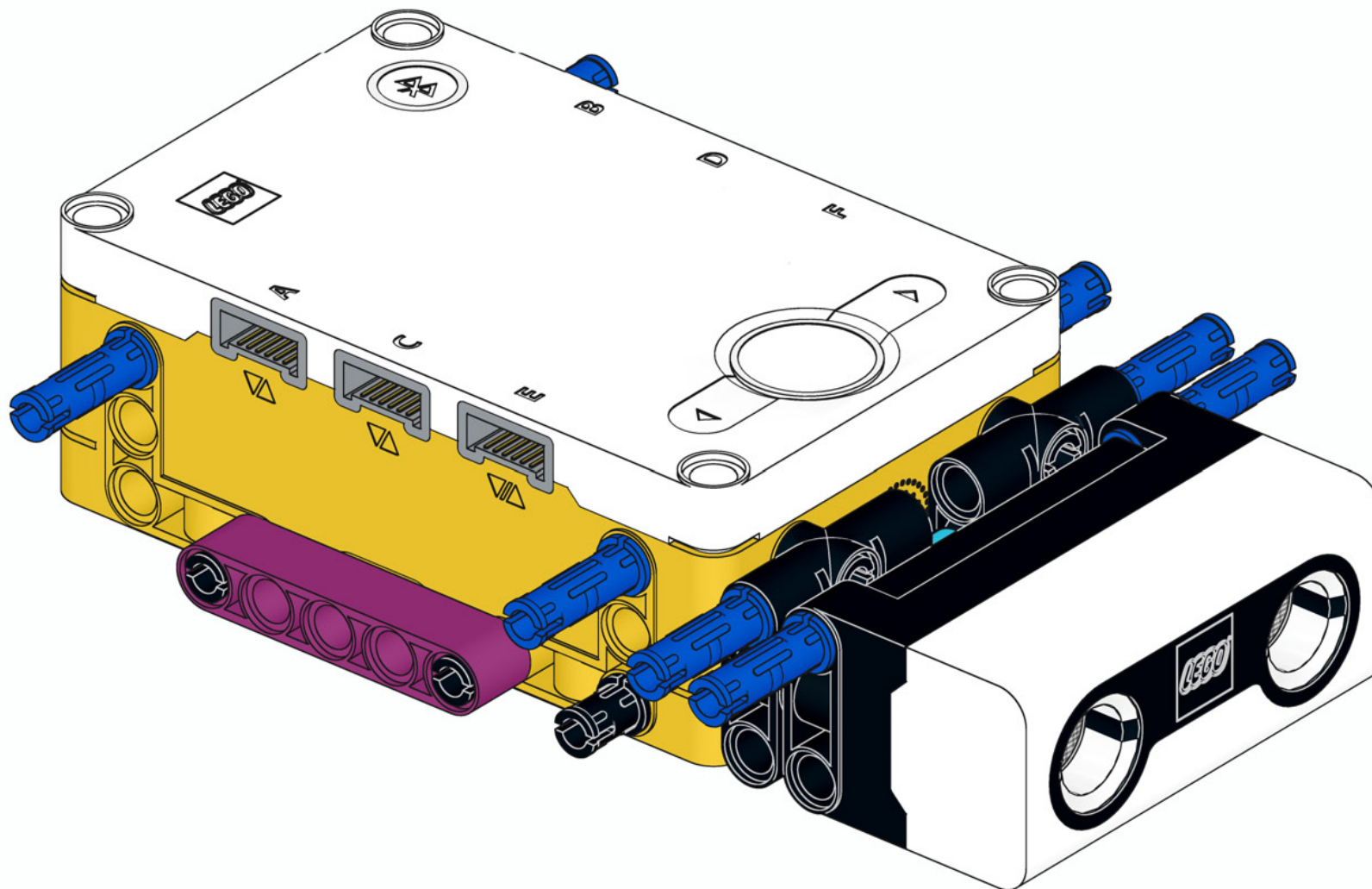
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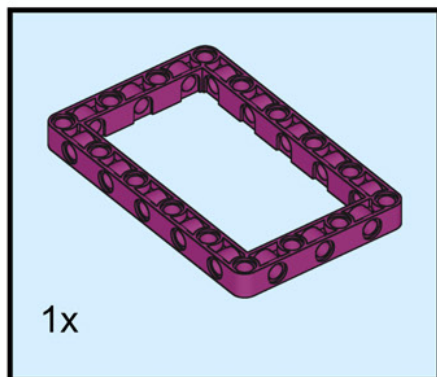
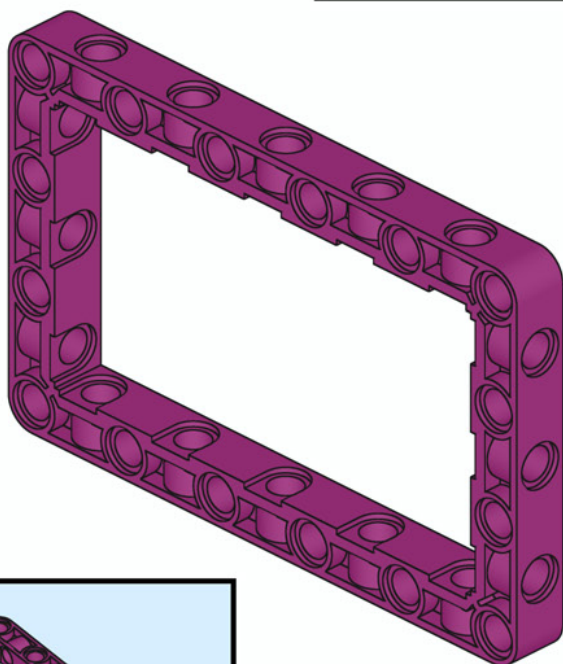
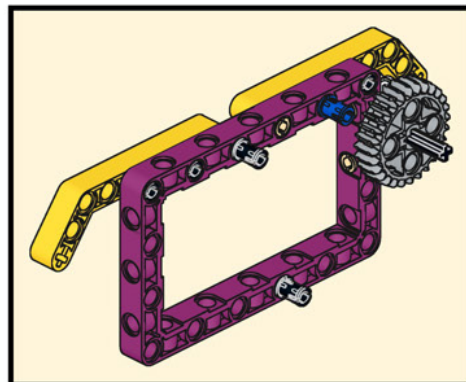
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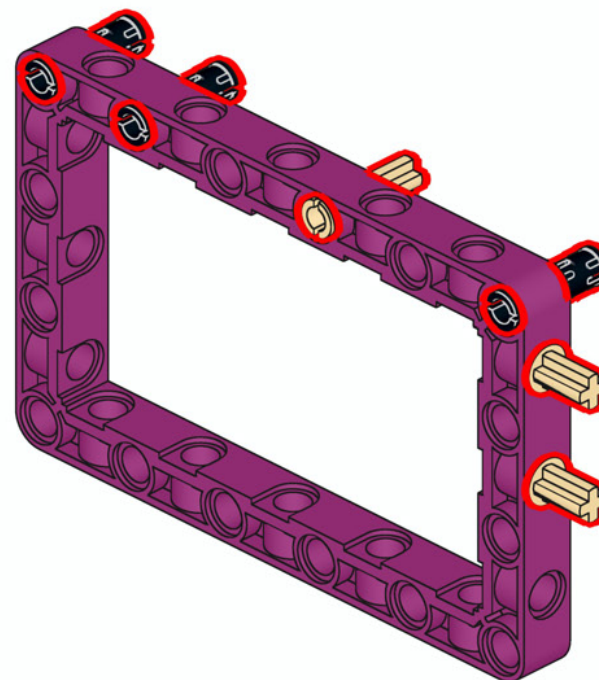
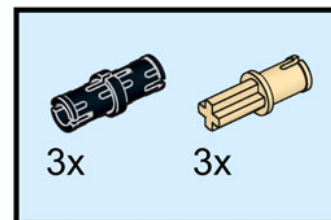
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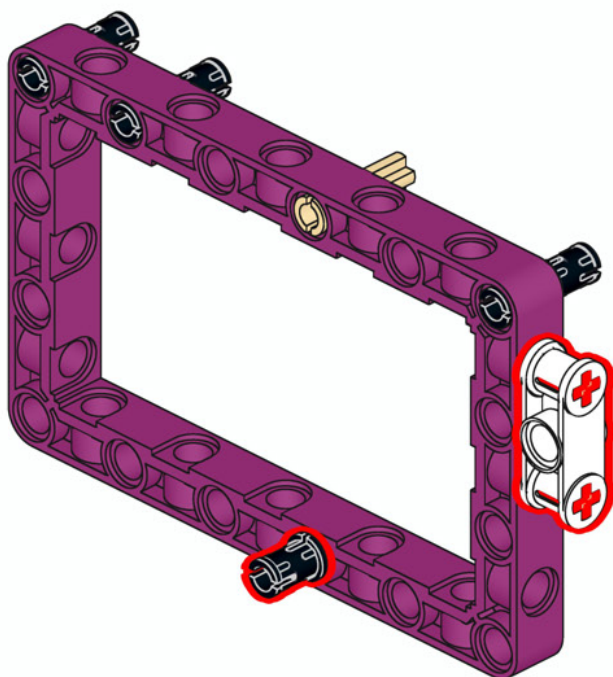
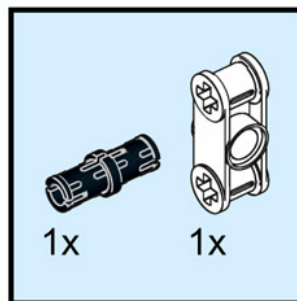
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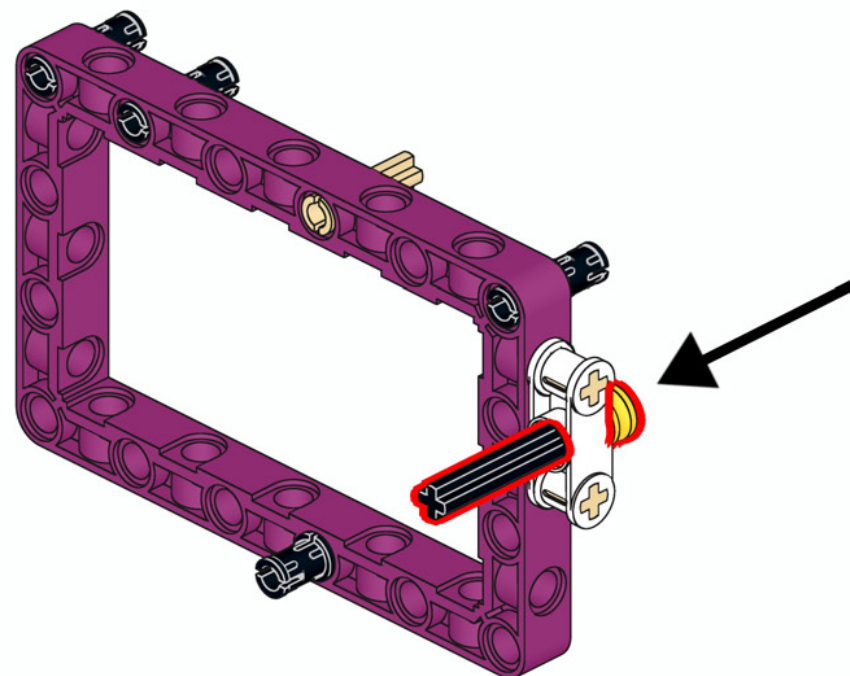
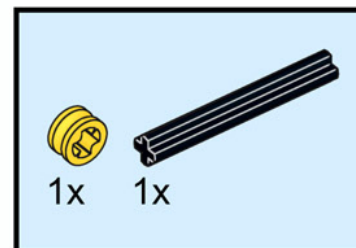
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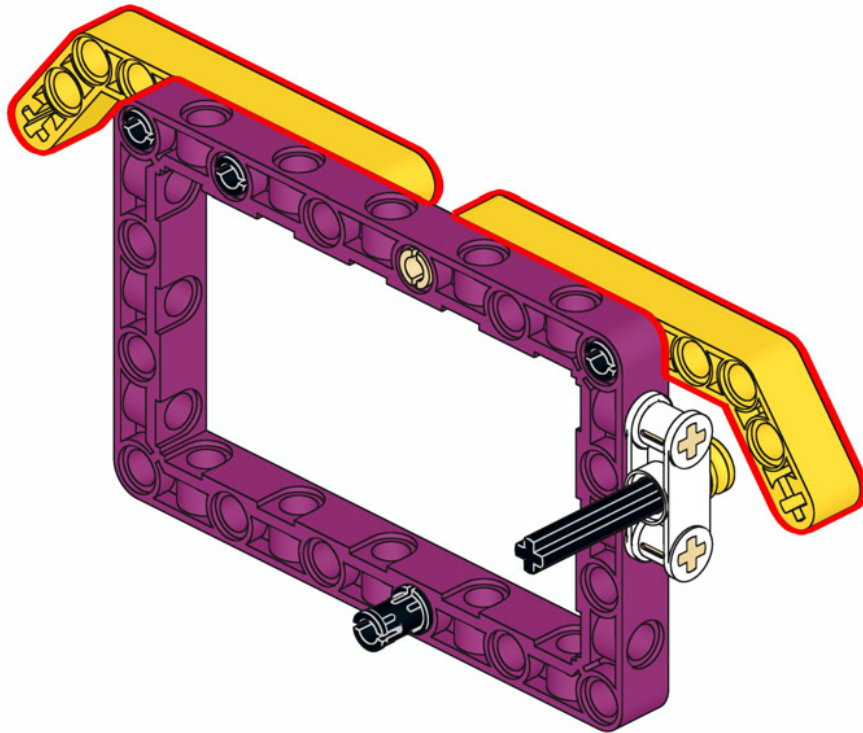
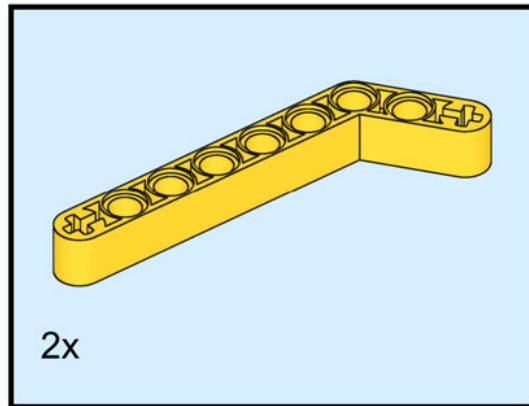
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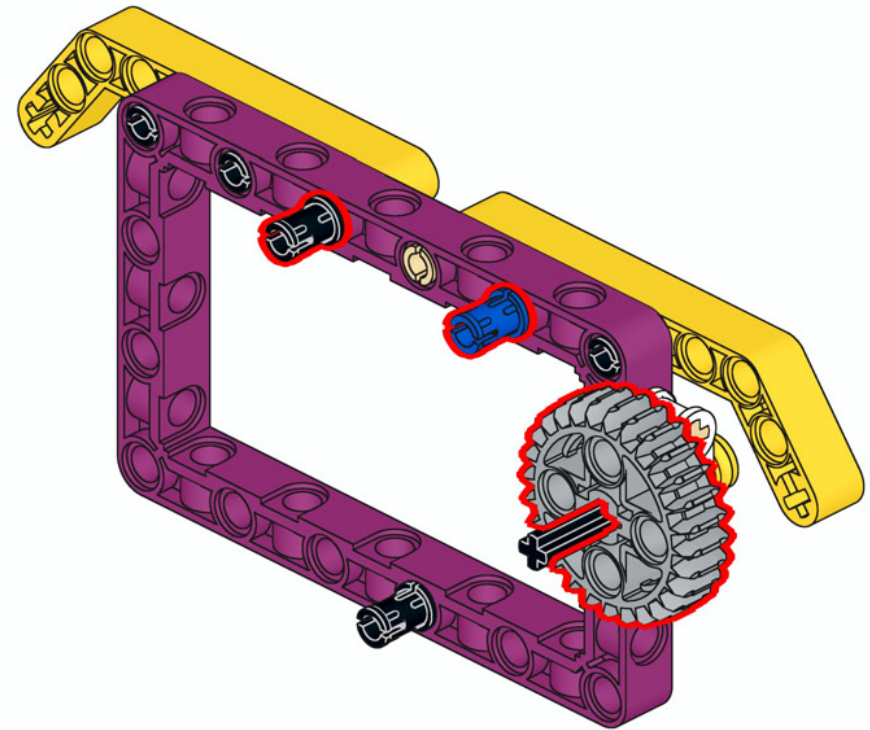
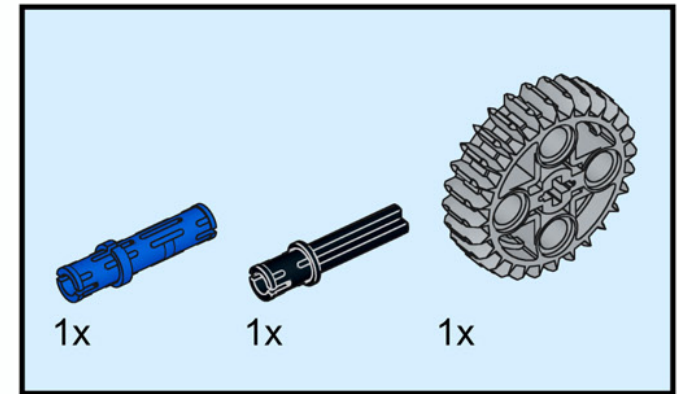
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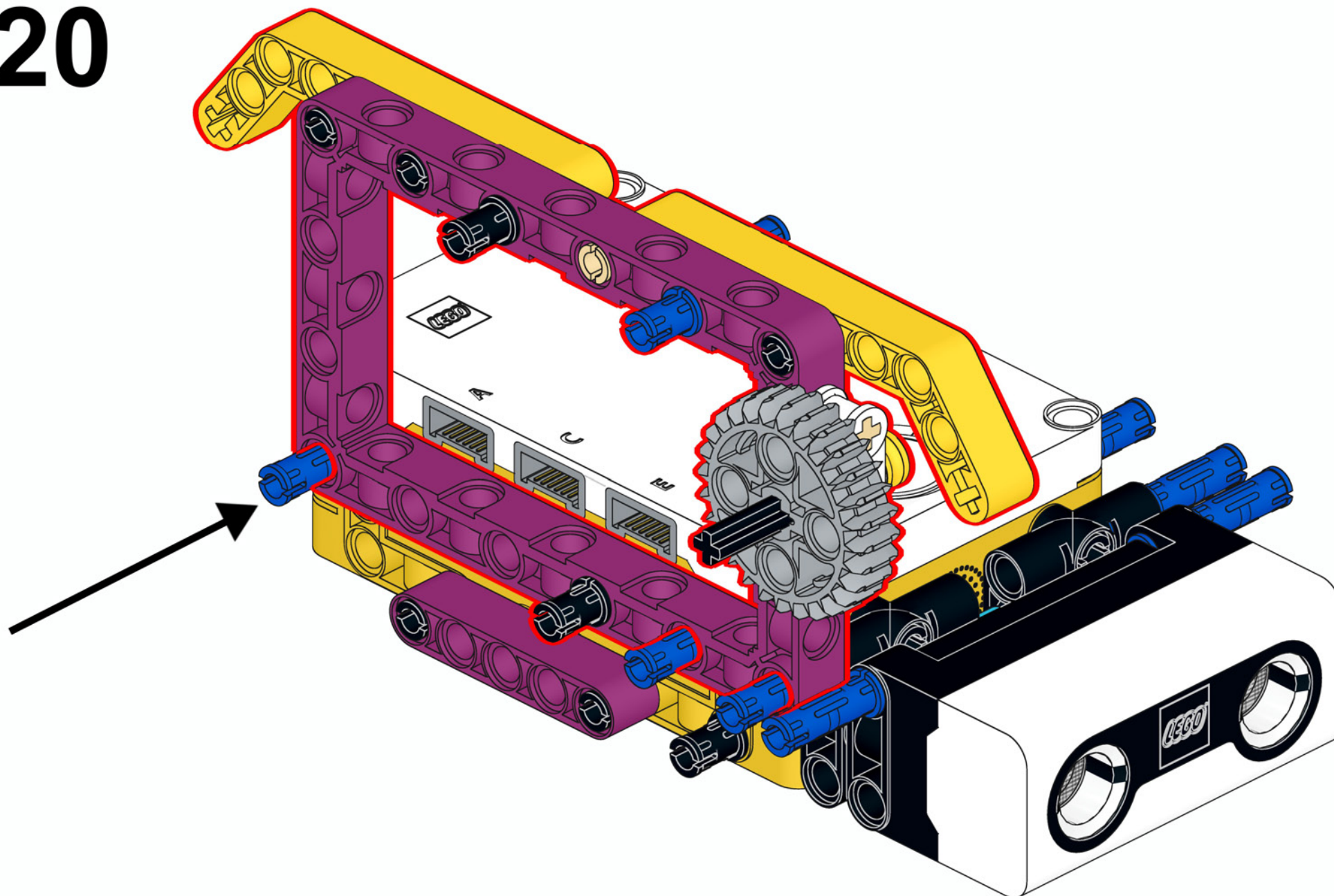
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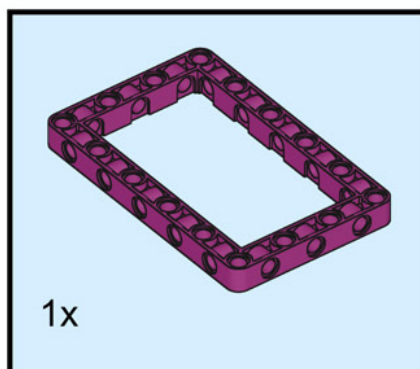
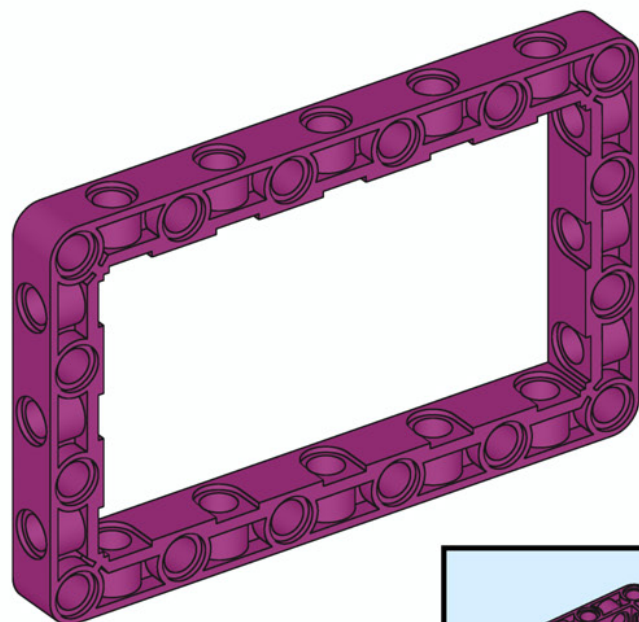
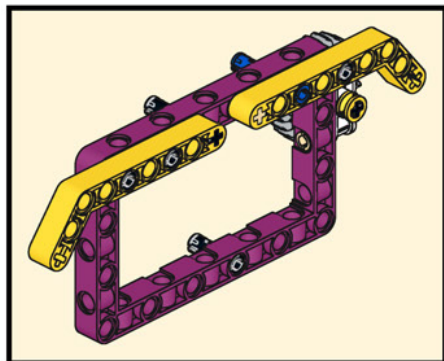
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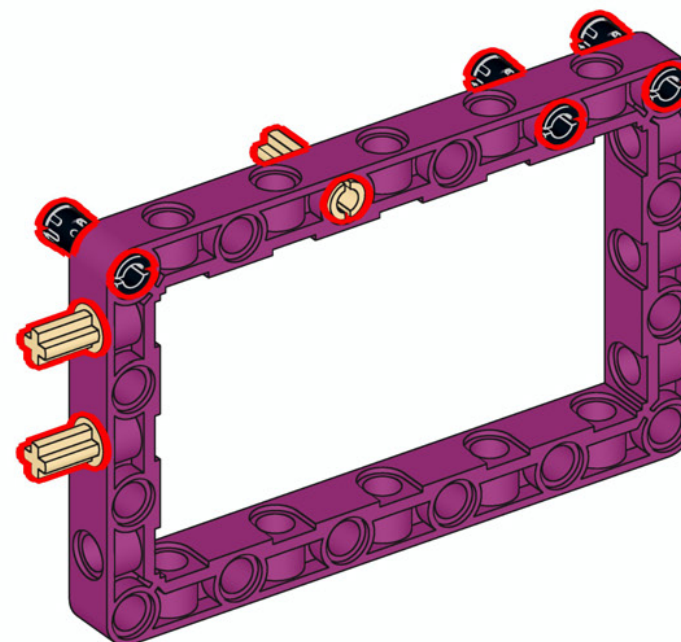
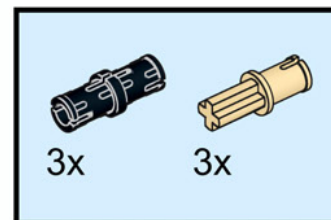
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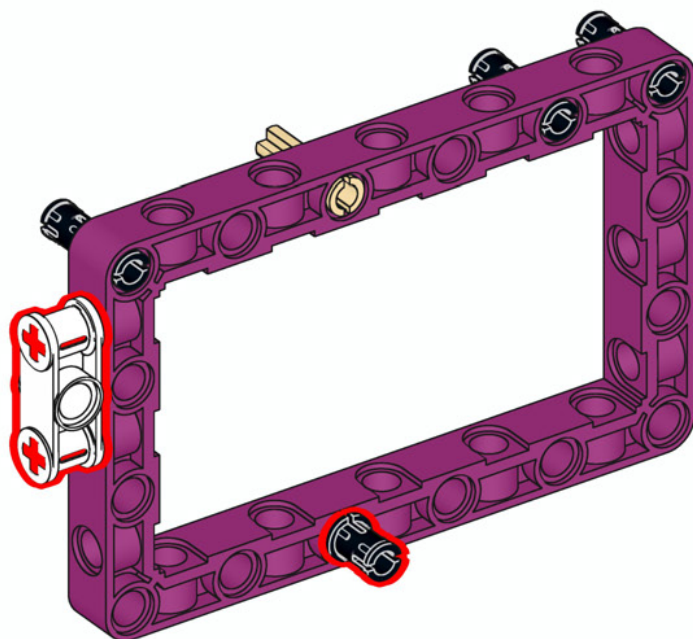
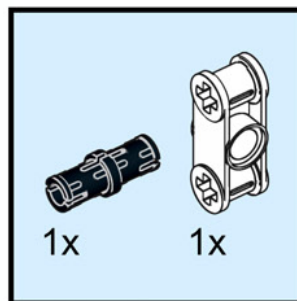
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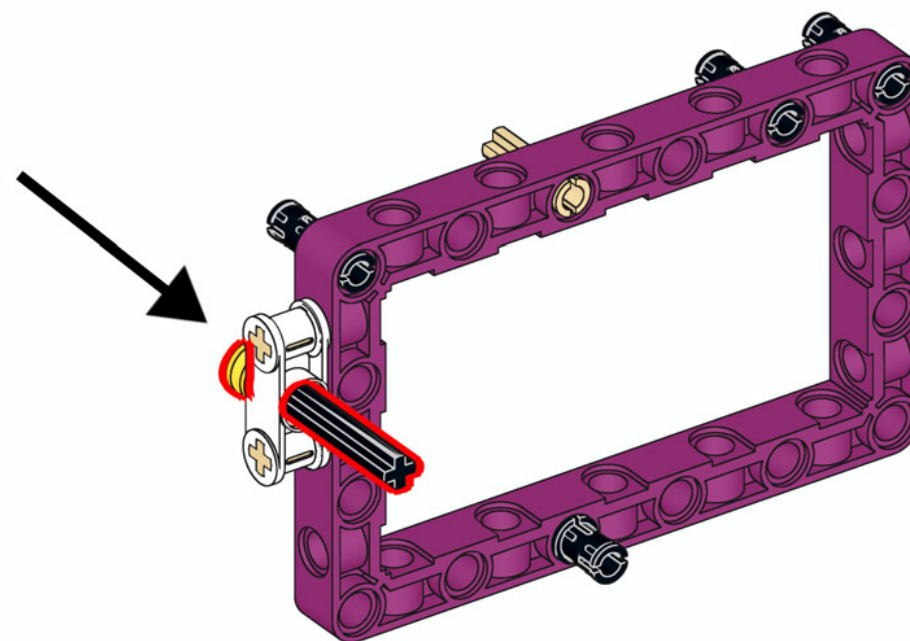
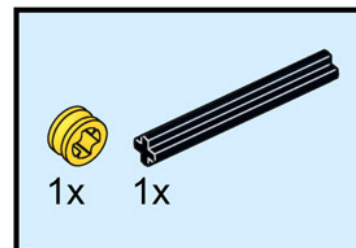
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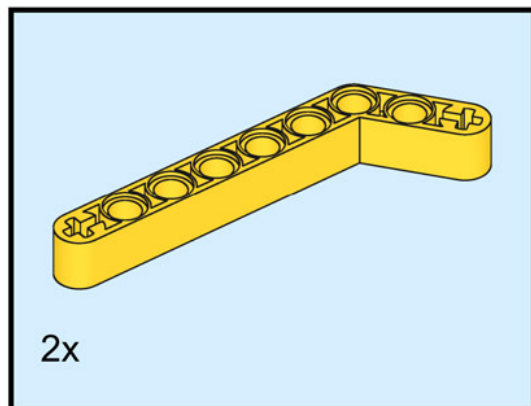
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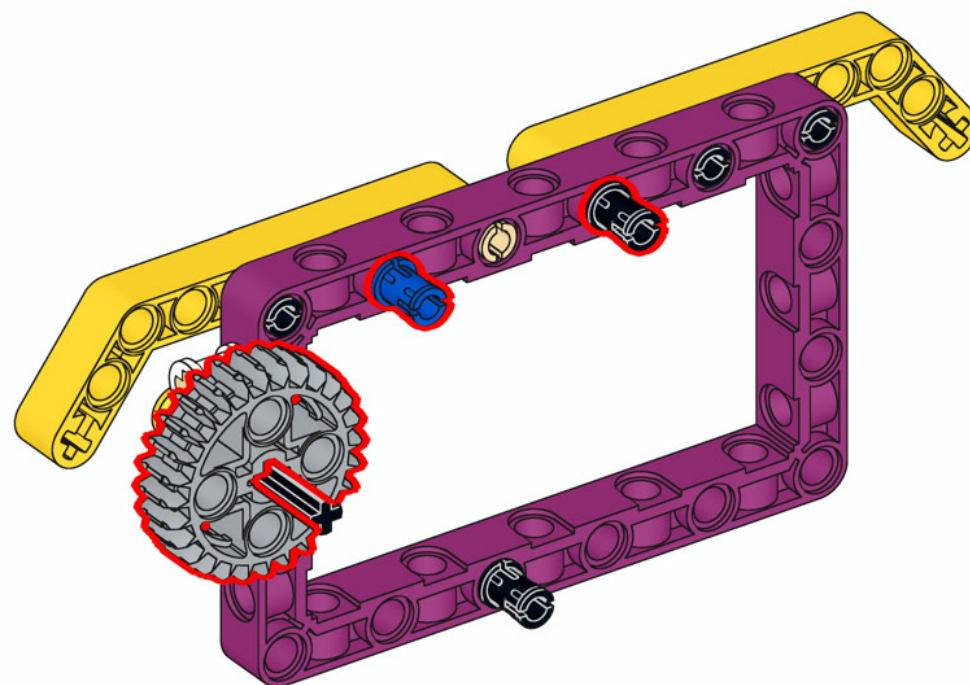
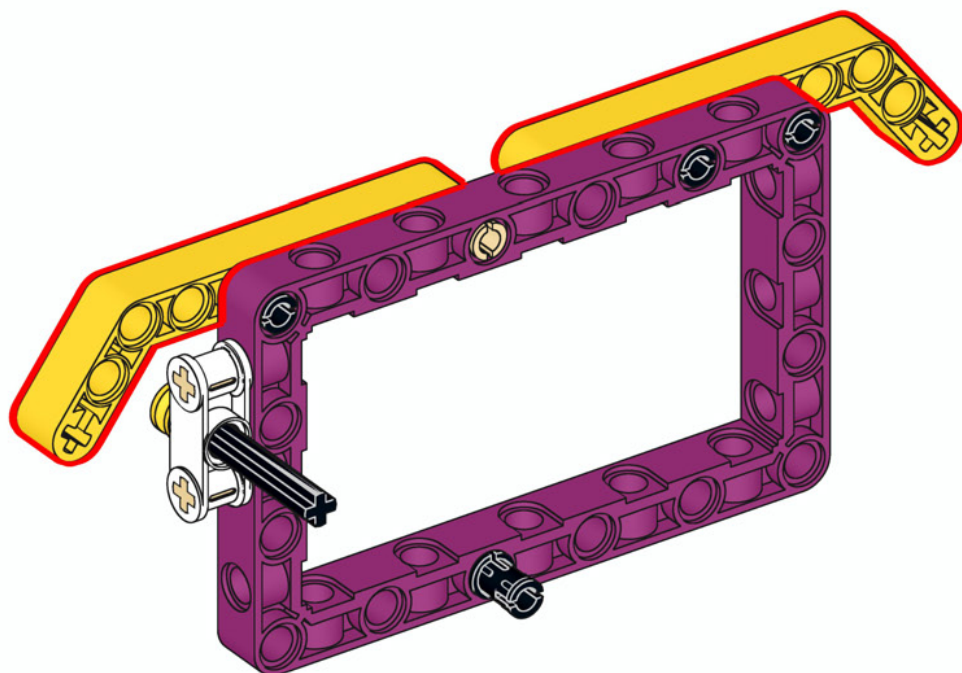
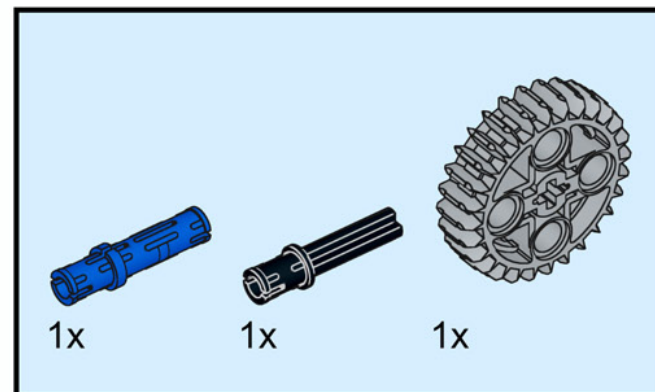
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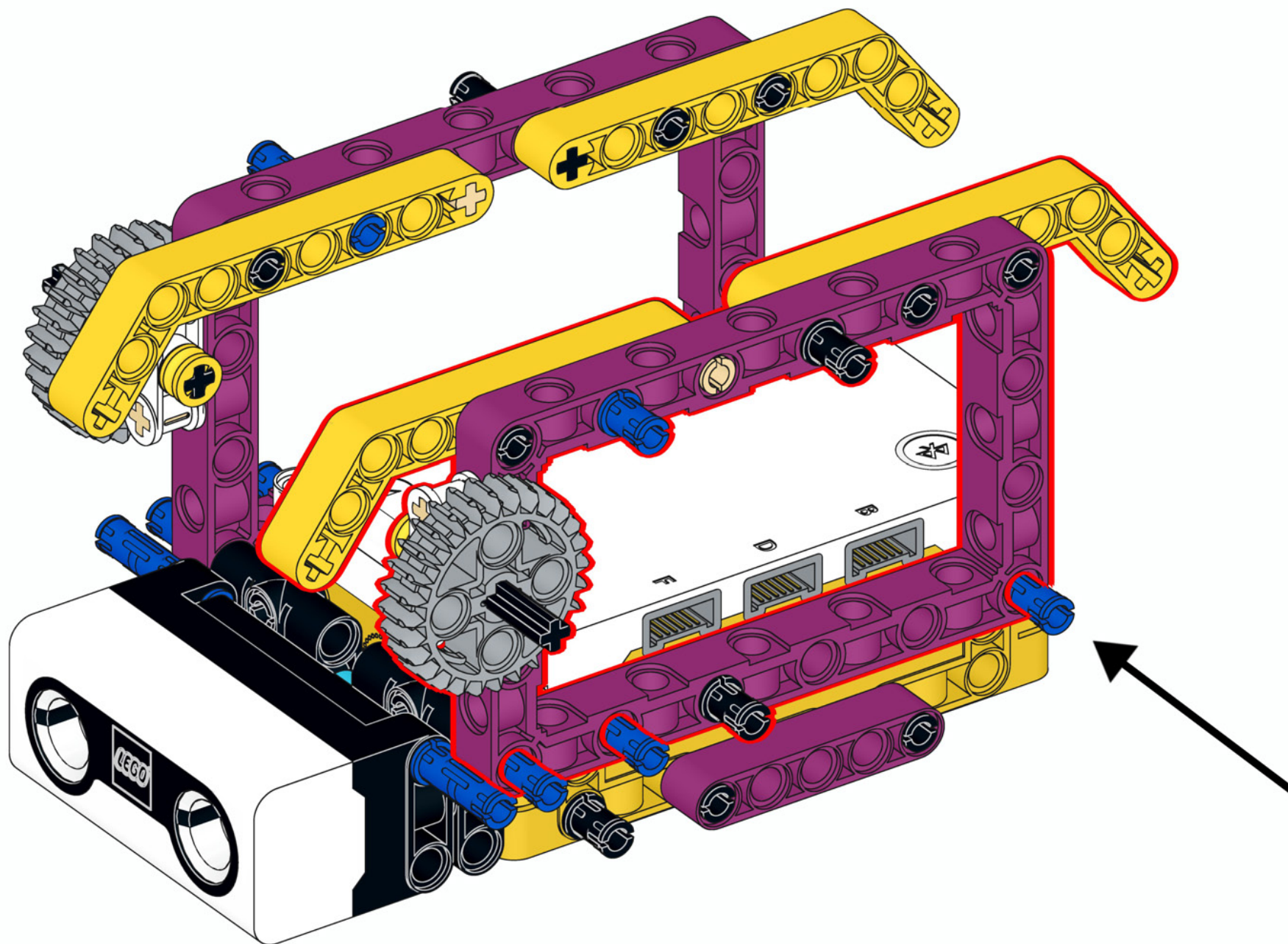
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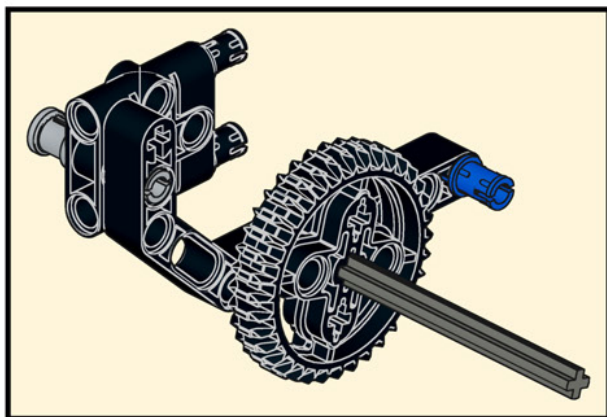
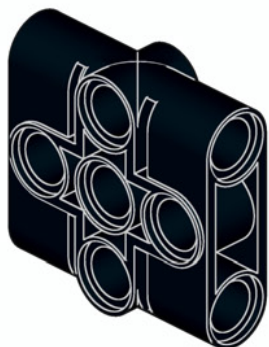
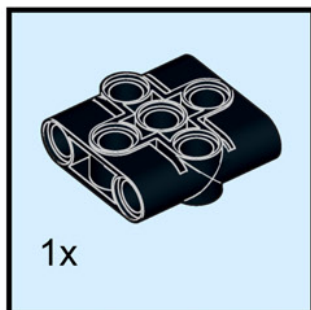
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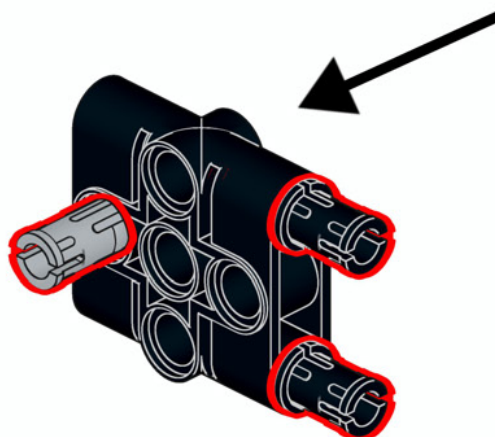
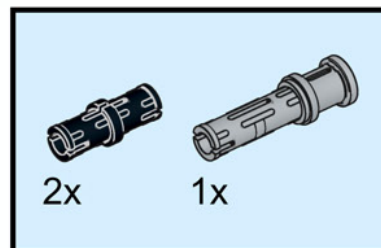
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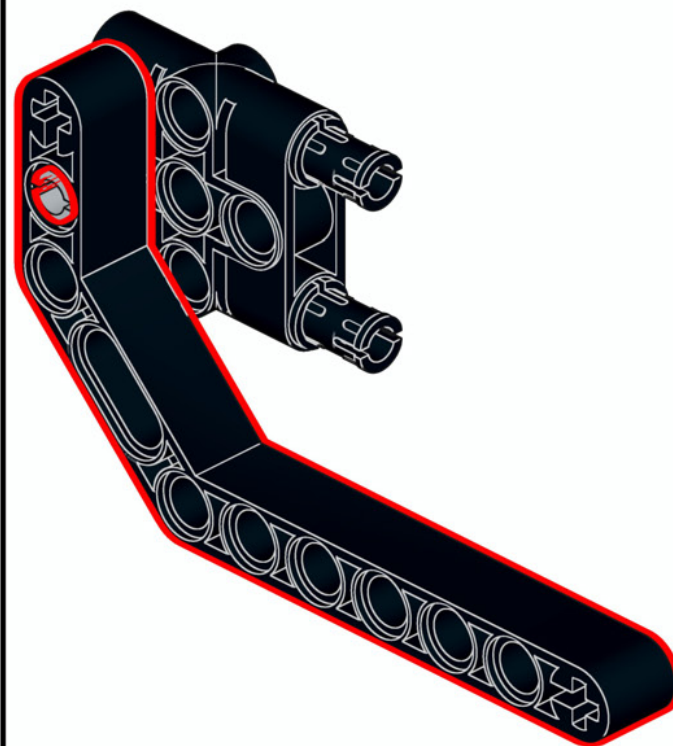
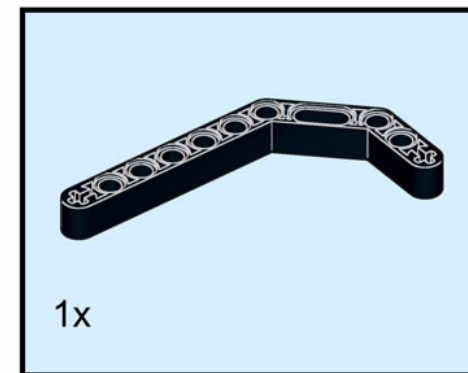
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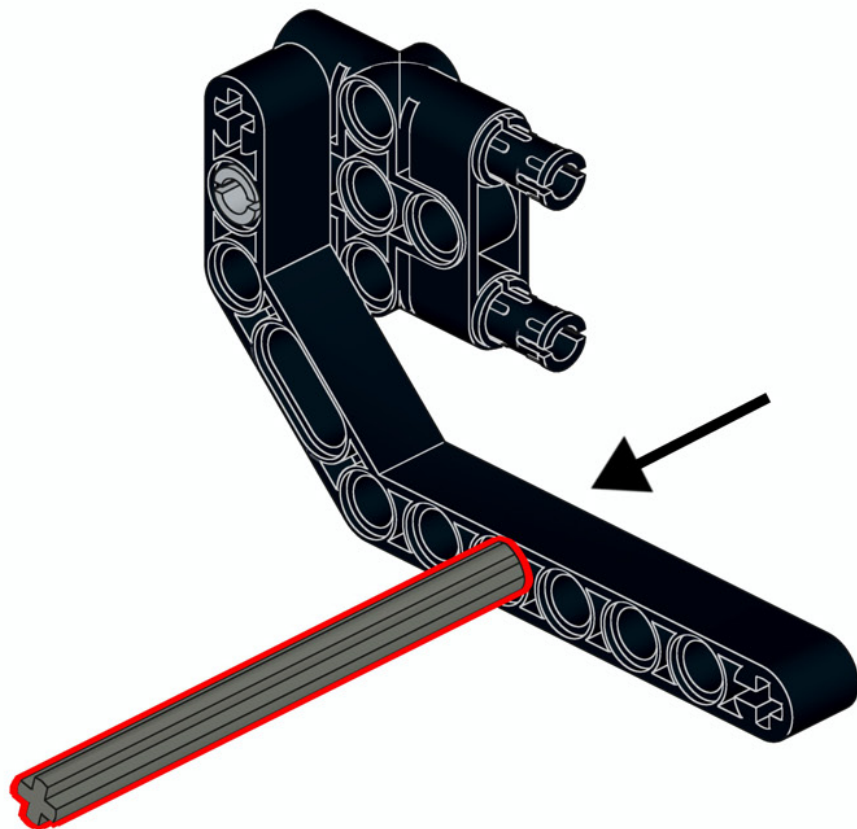
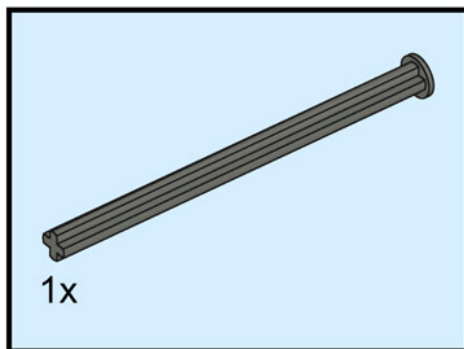
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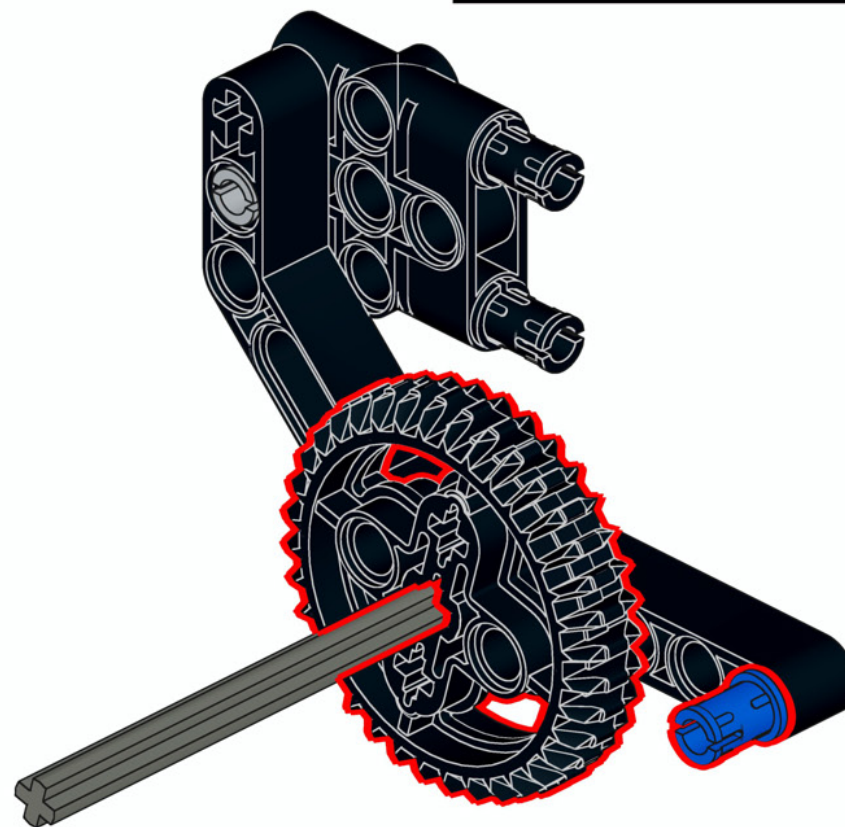
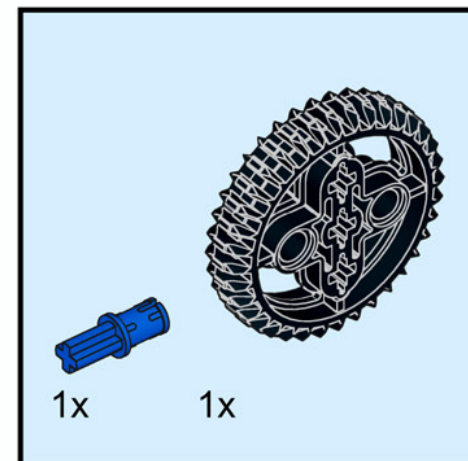
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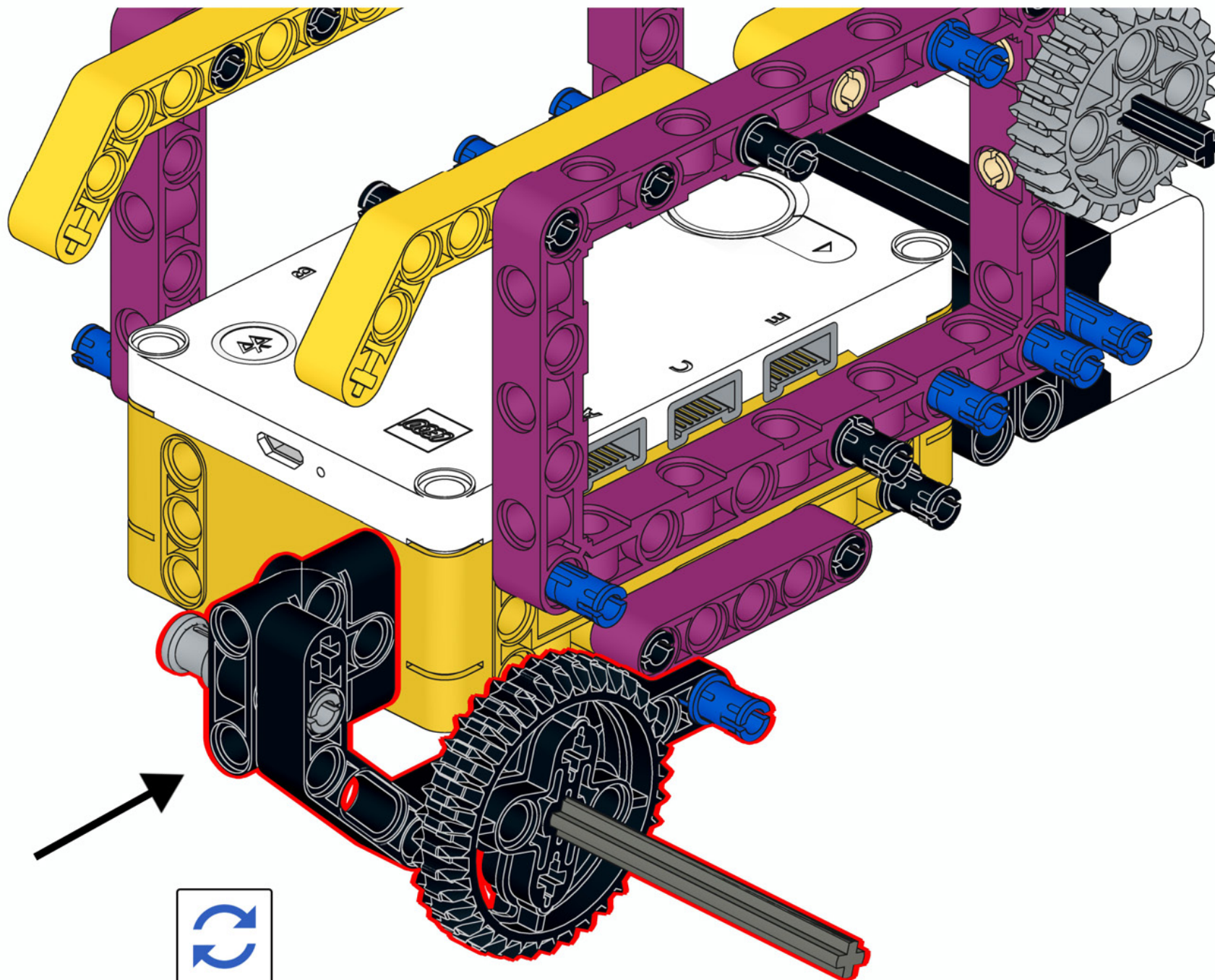
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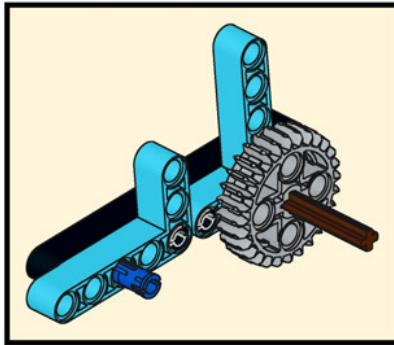
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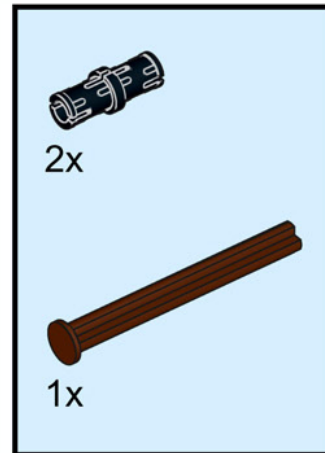
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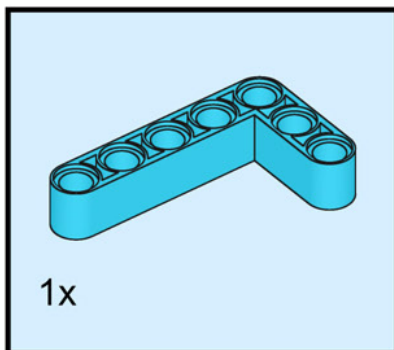
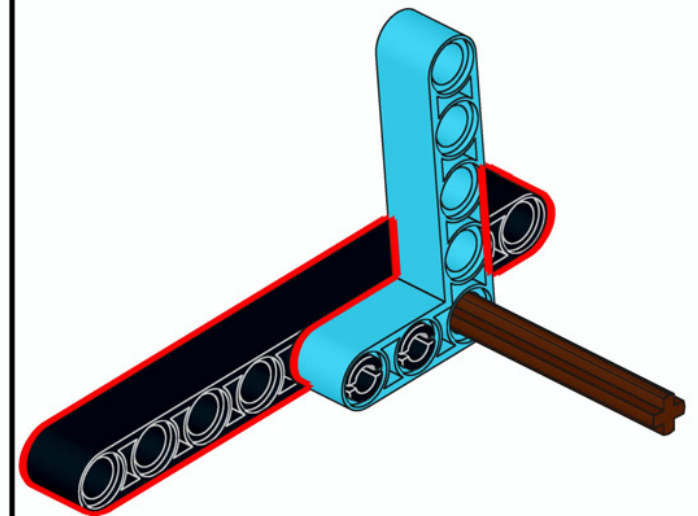
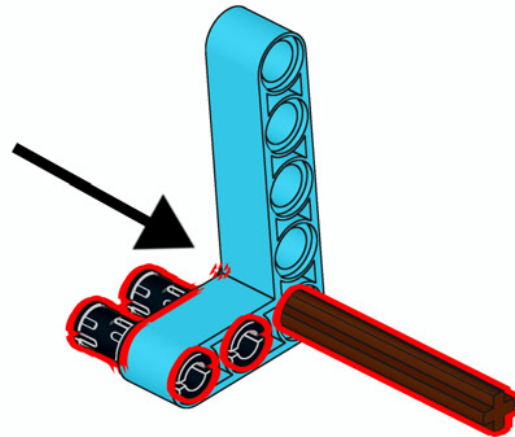
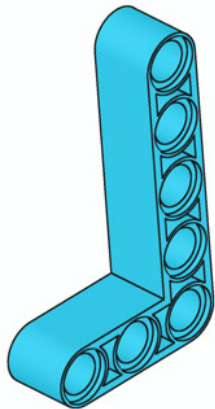
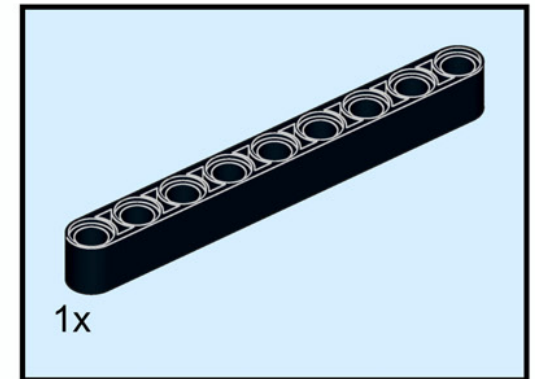
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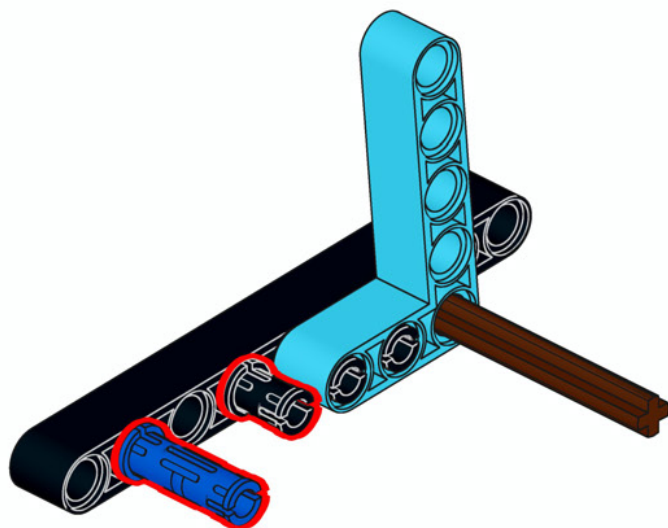
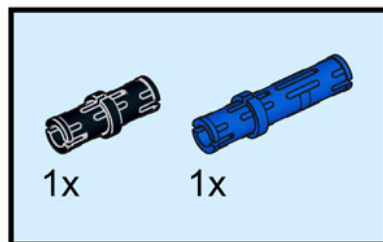


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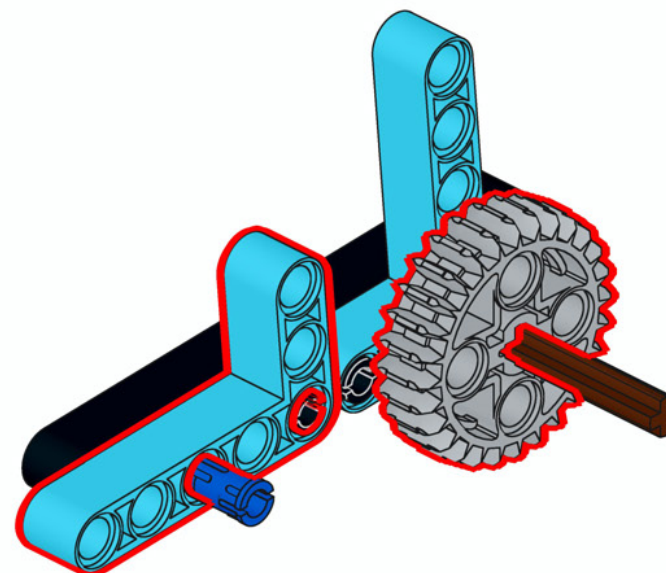
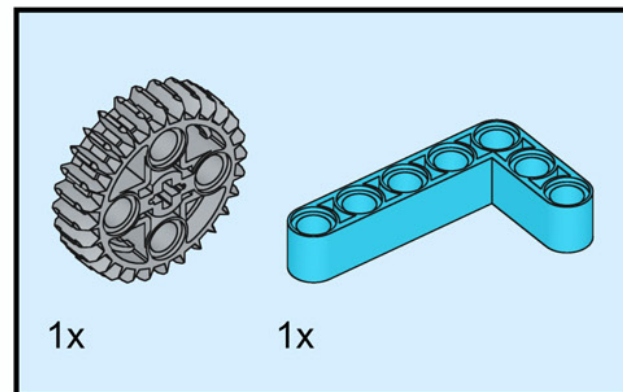


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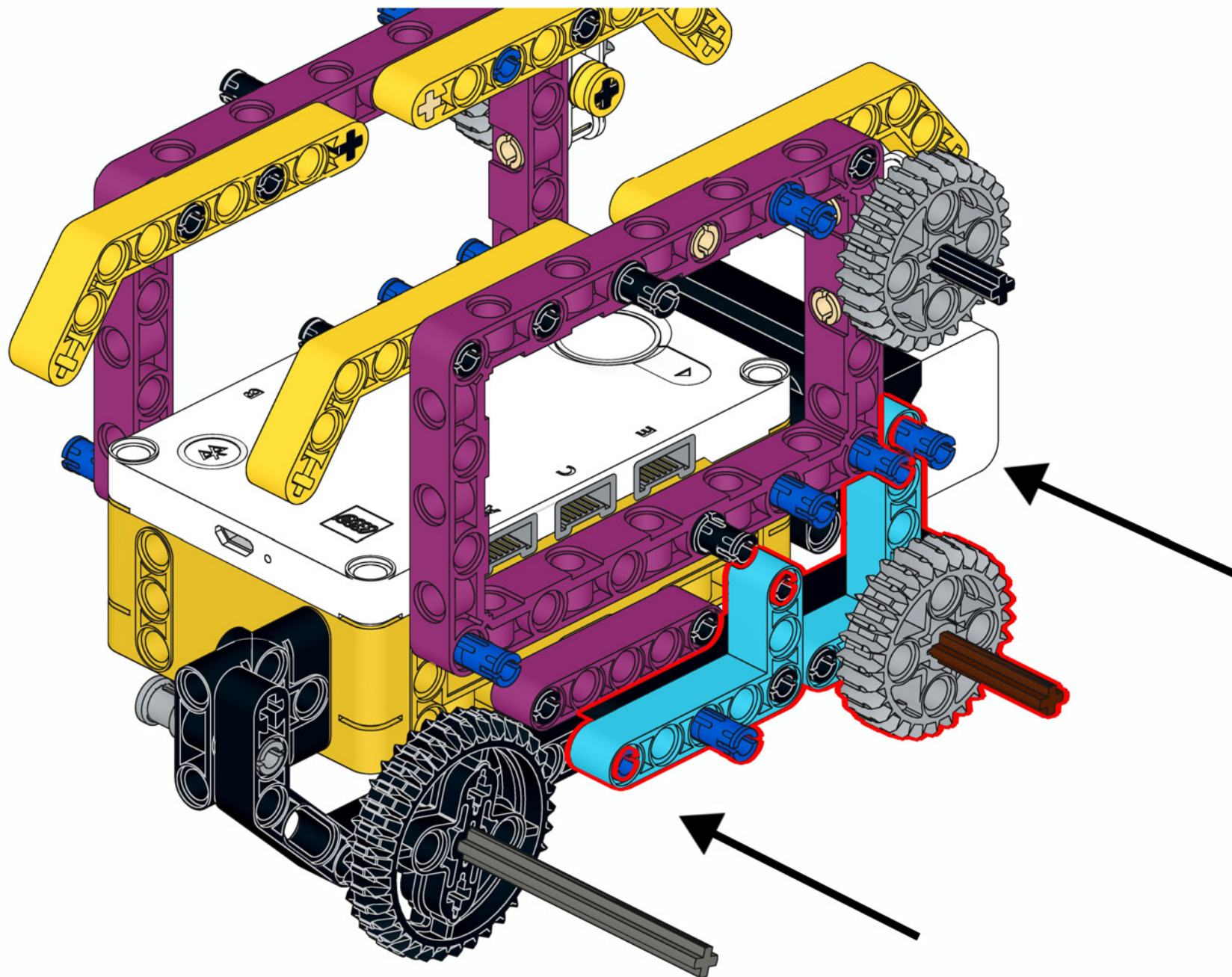
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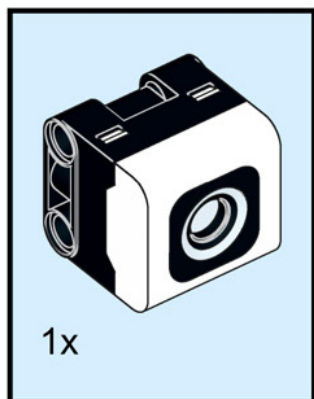
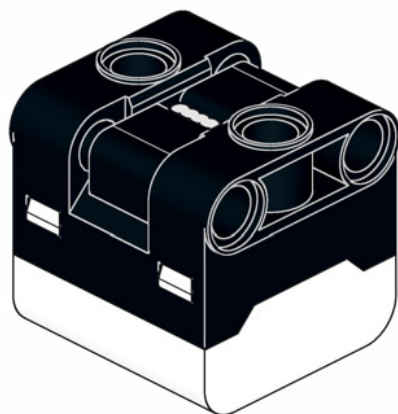
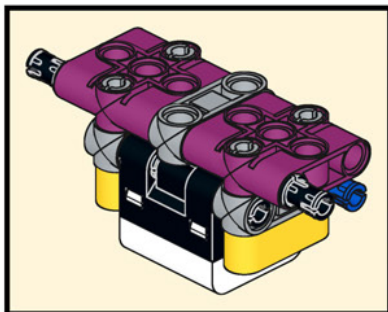
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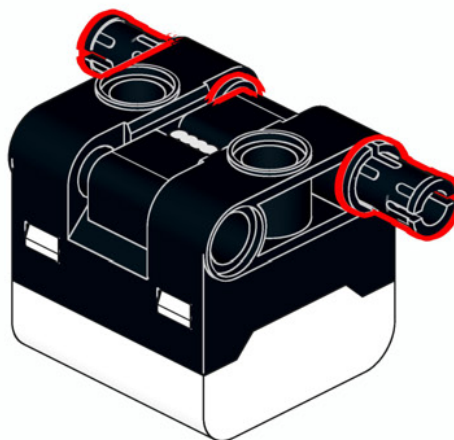
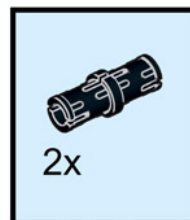
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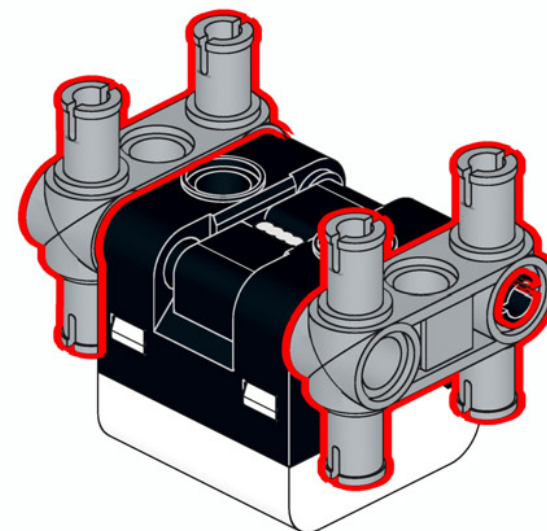
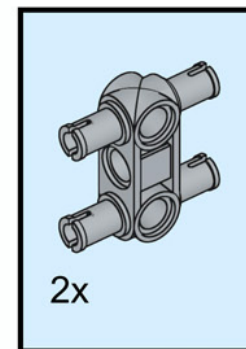
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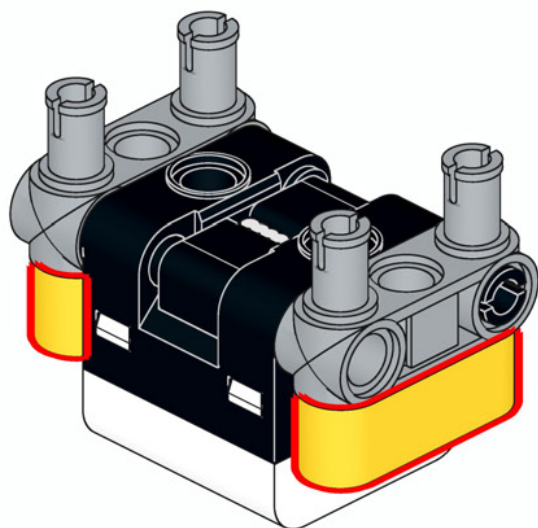
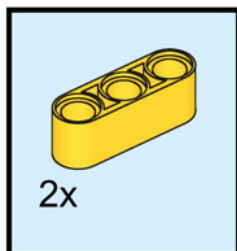
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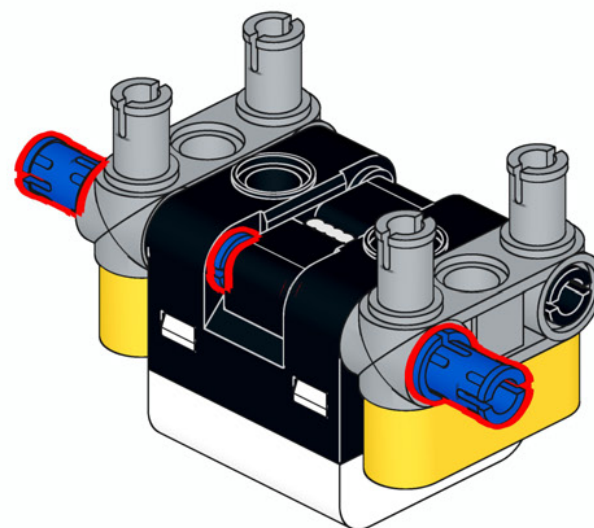
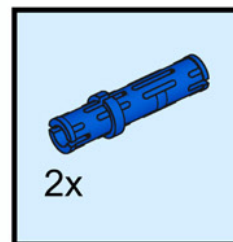
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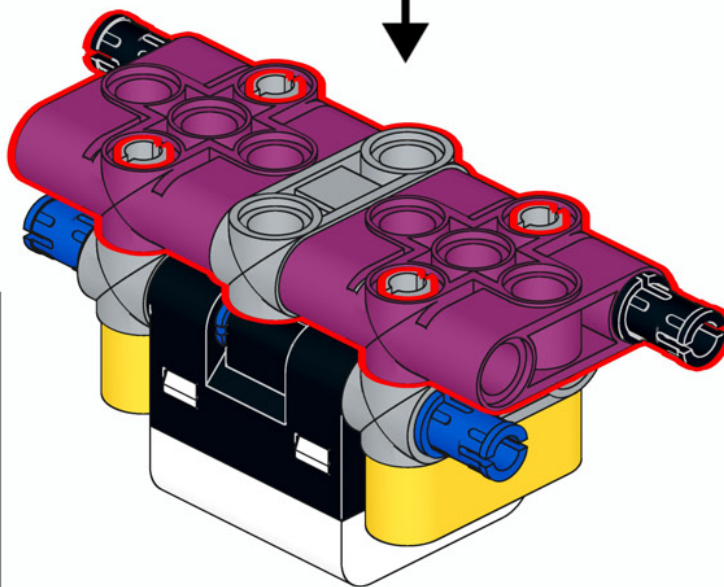
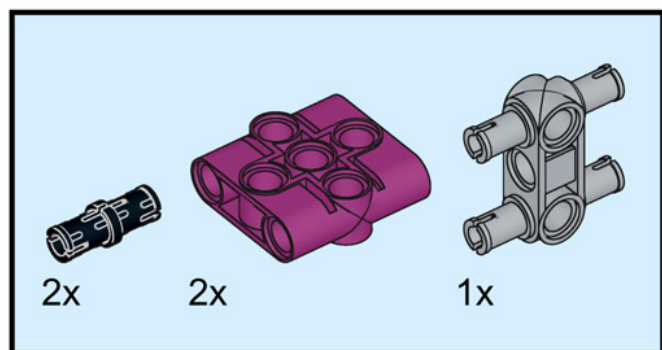
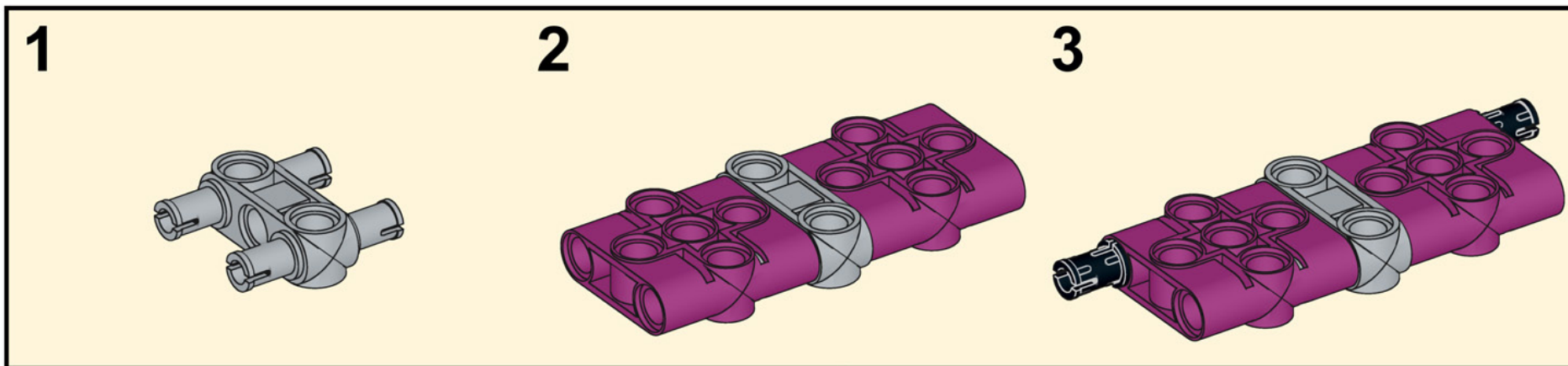
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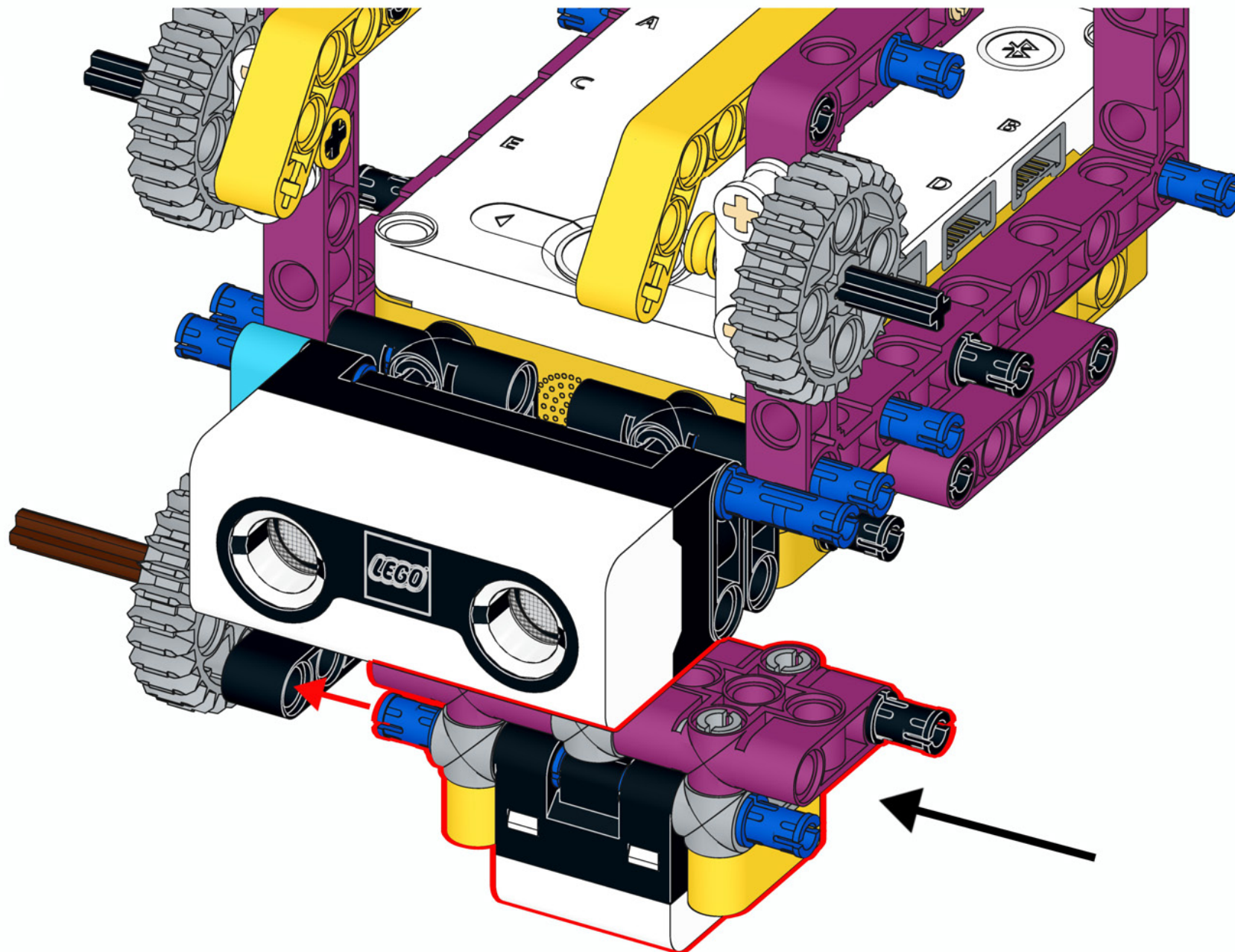
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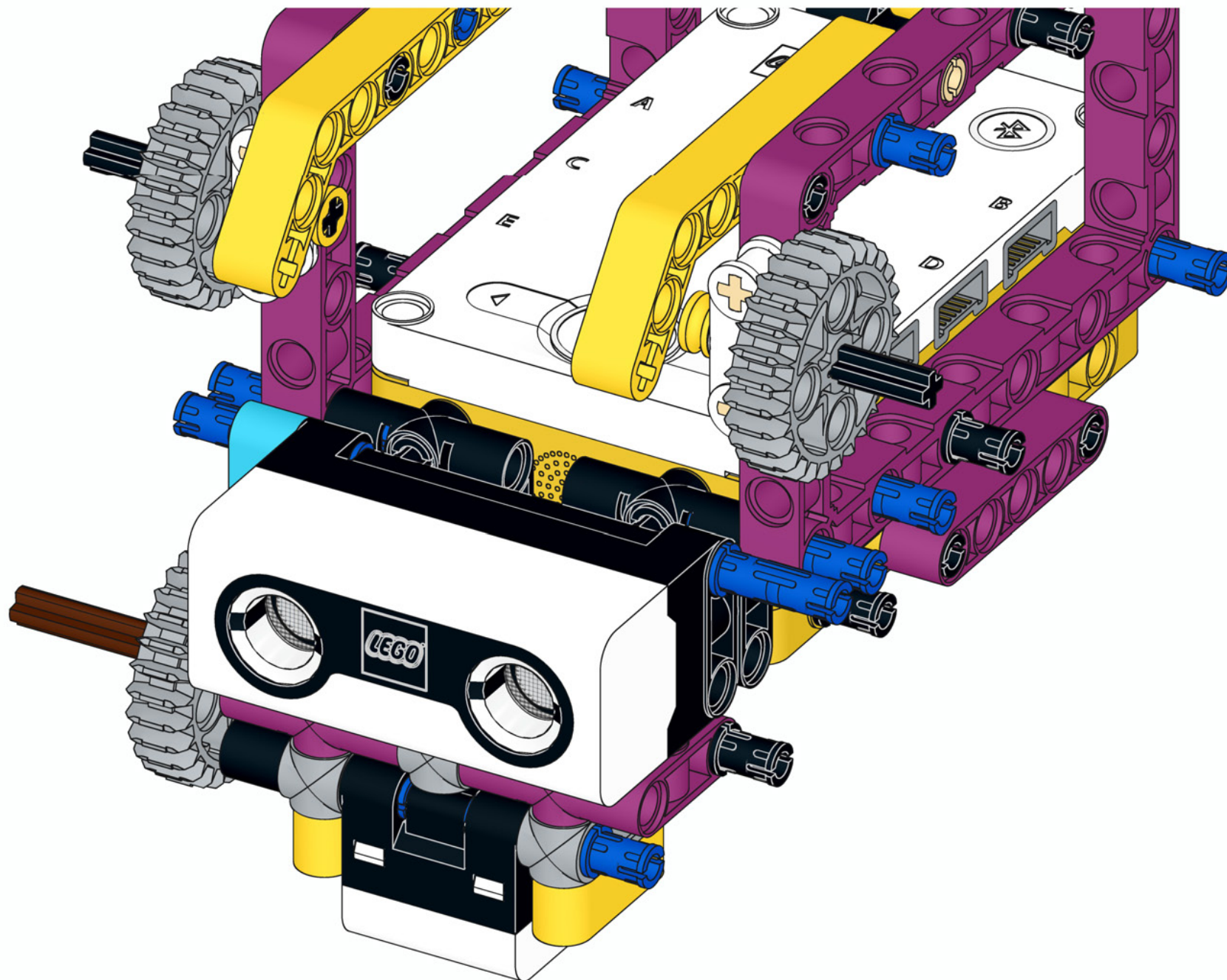


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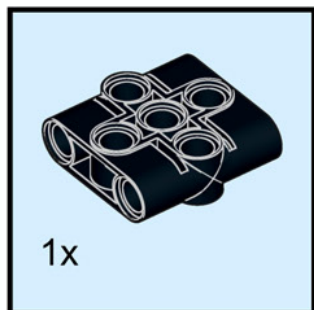
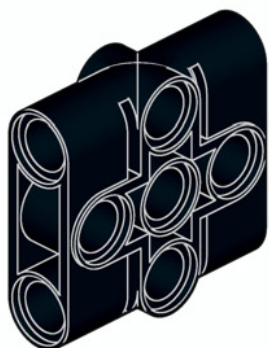
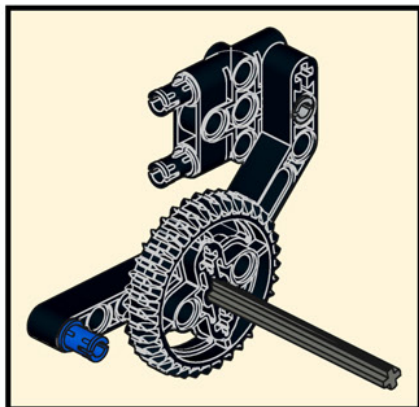


Cable goes under the Spike hub.

47

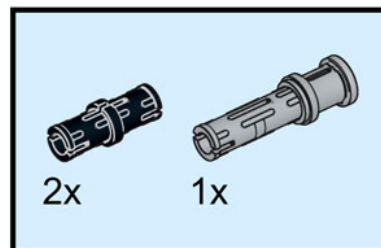


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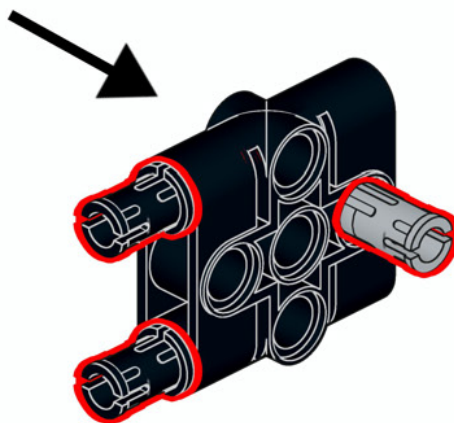
1x

49

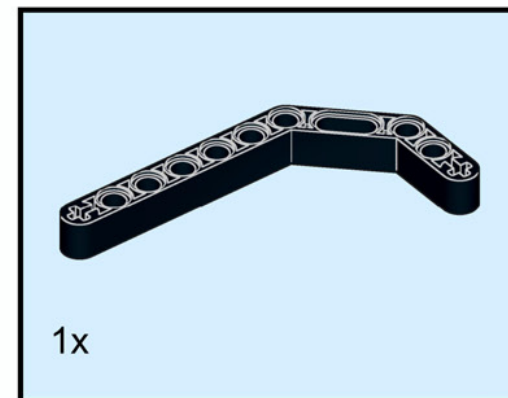


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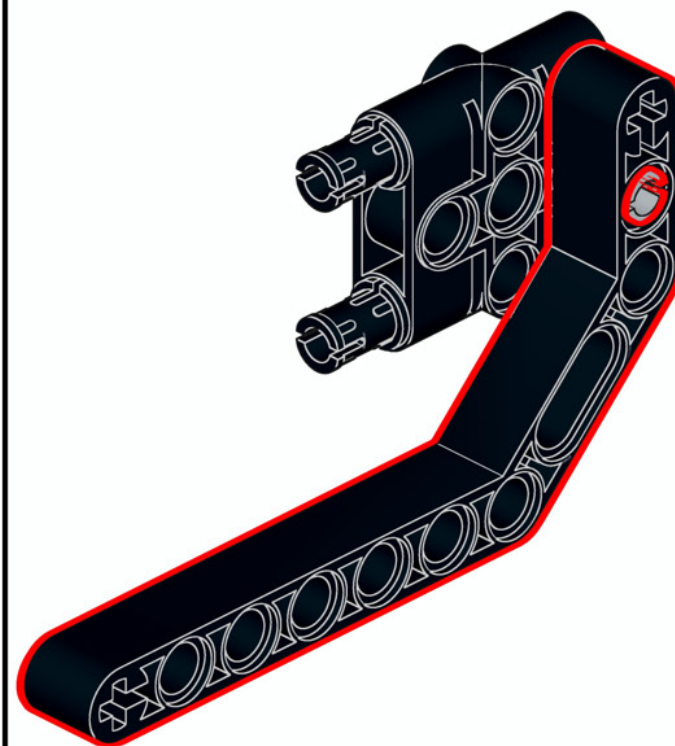
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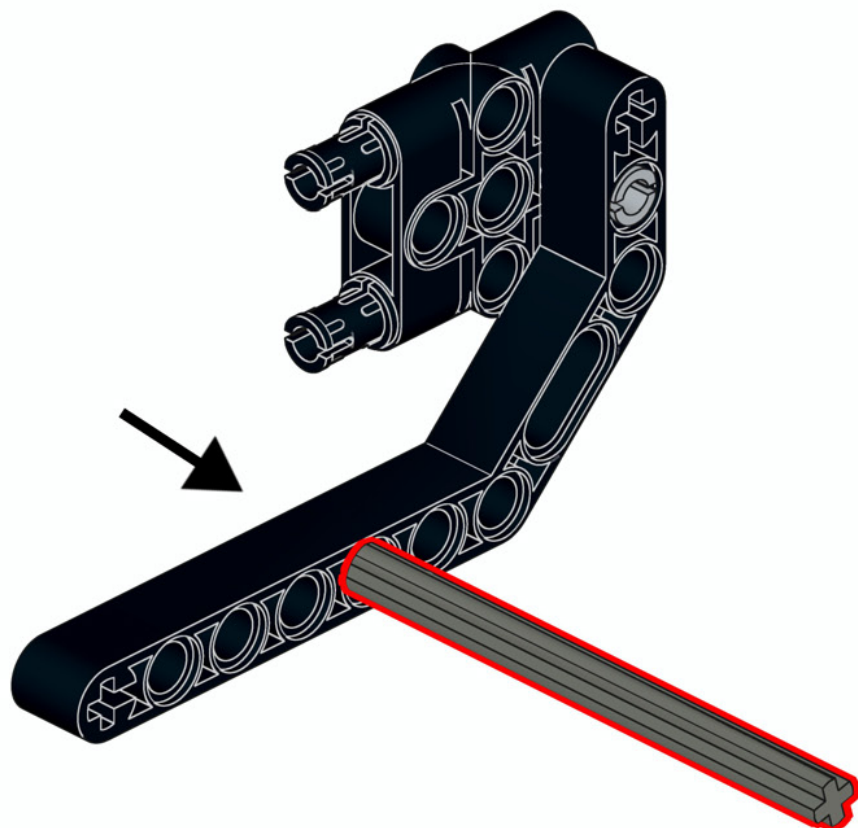
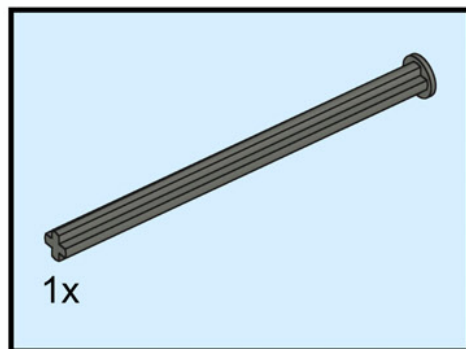
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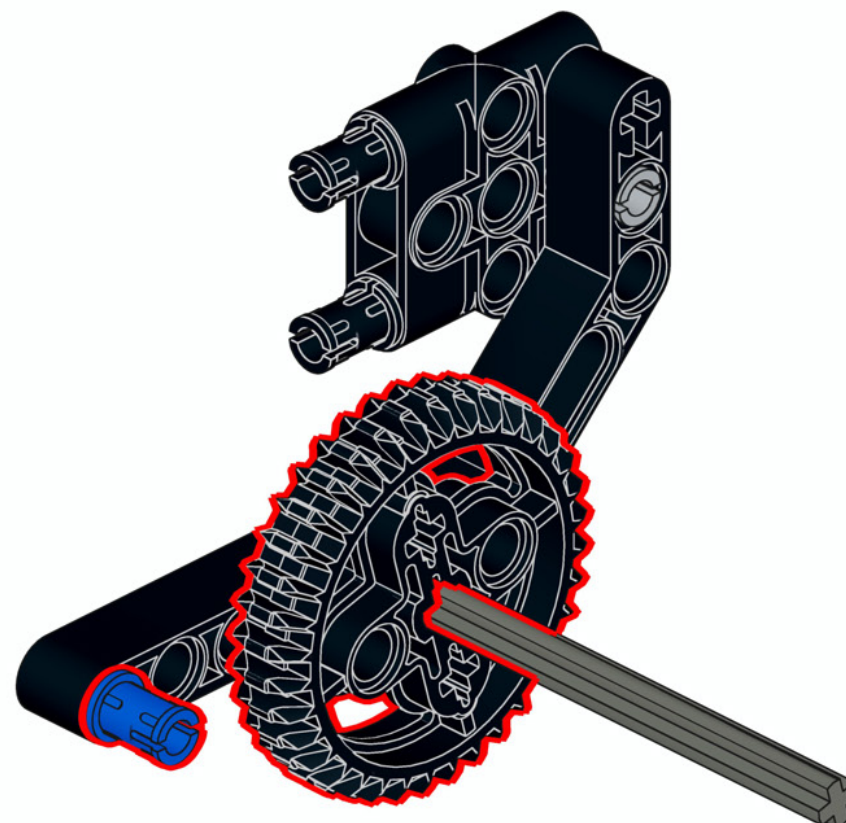
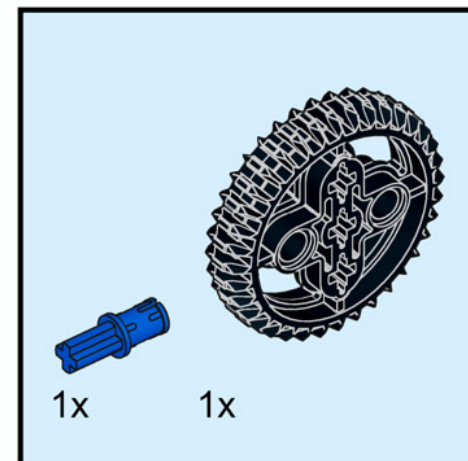
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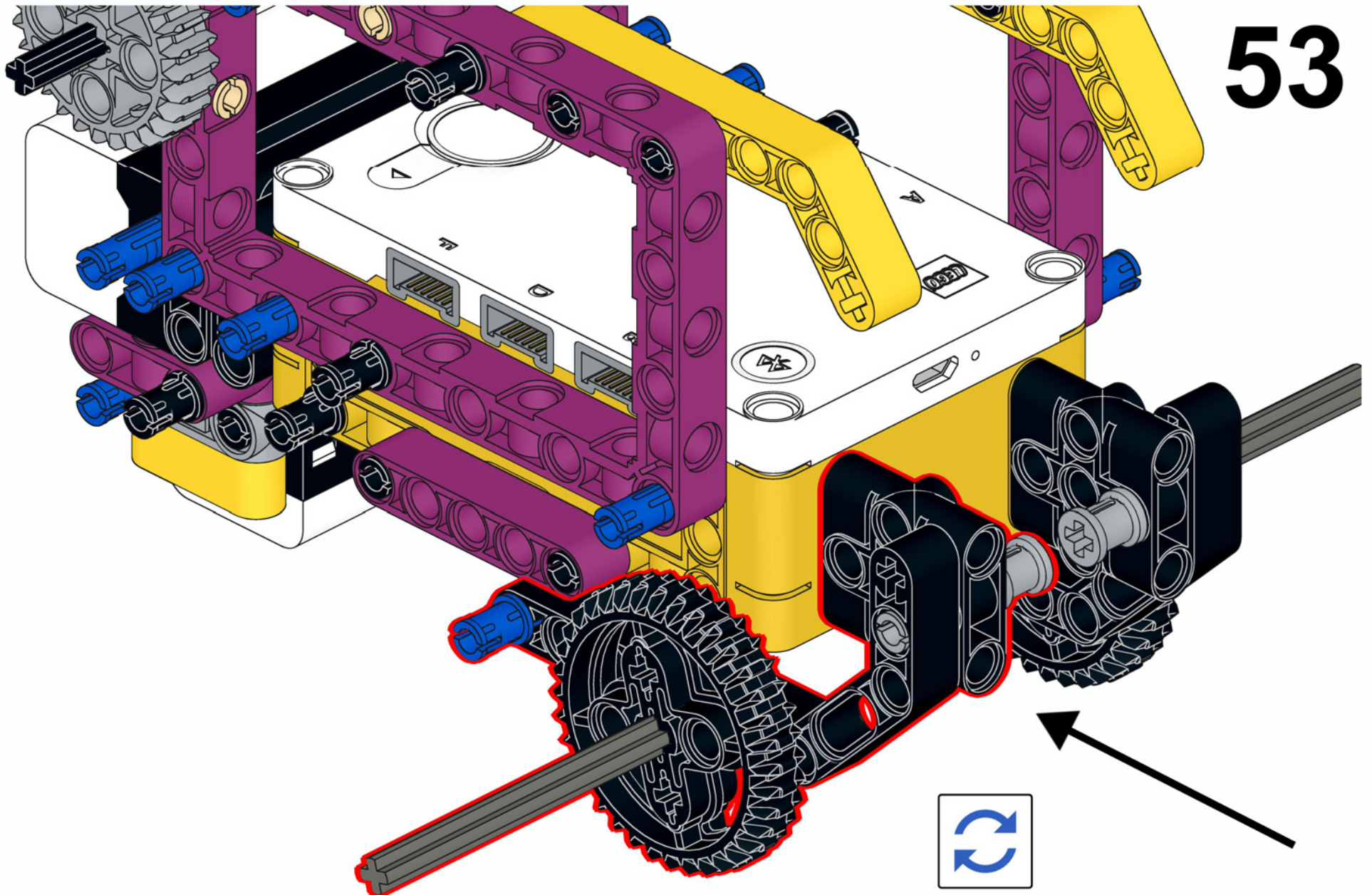
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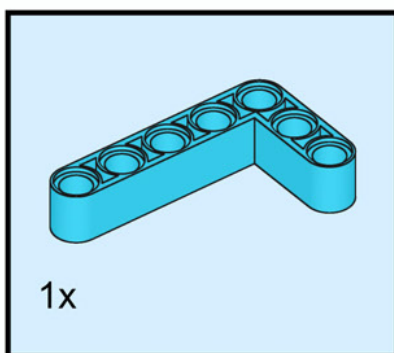
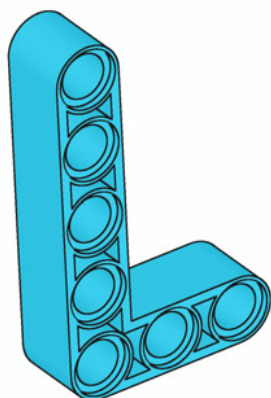
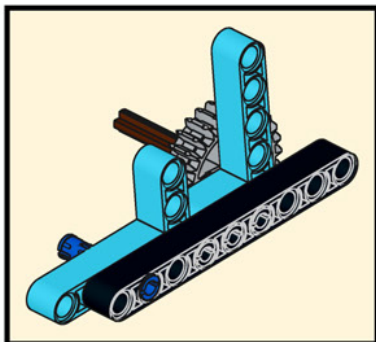
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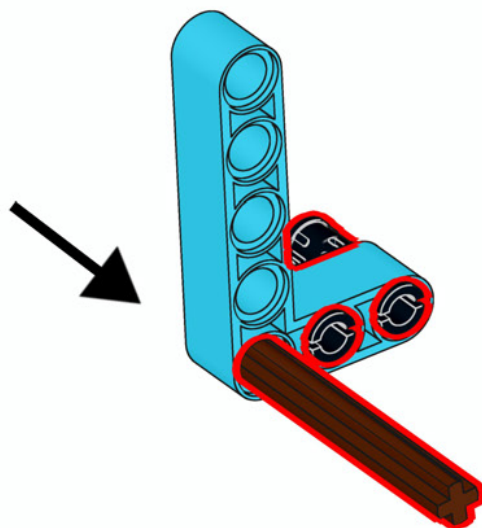
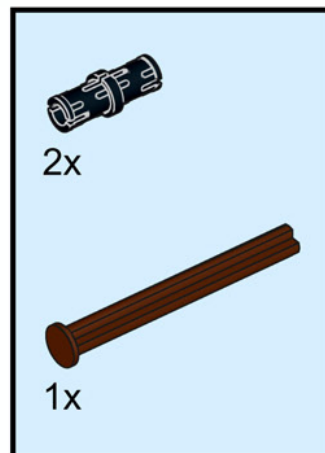
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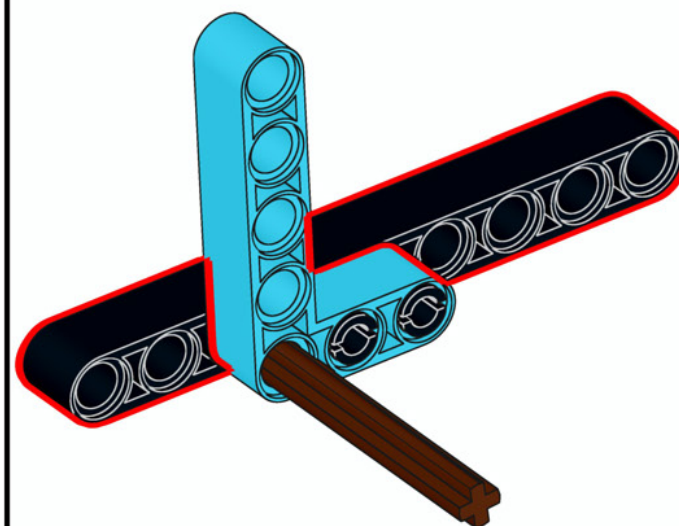
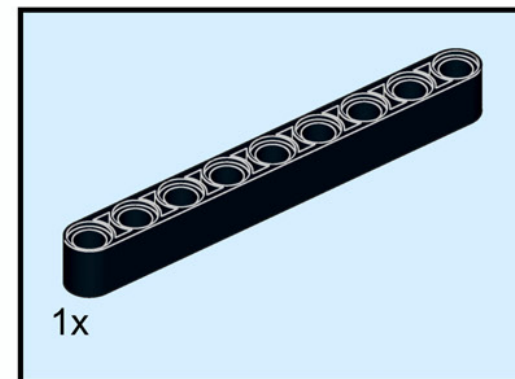
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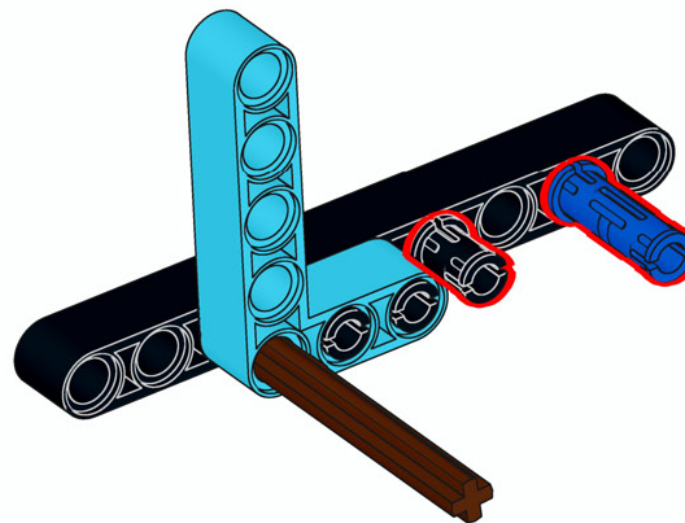
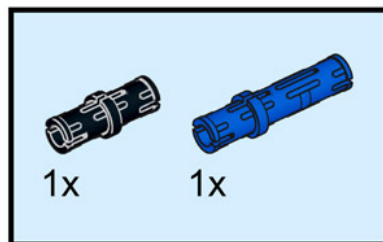
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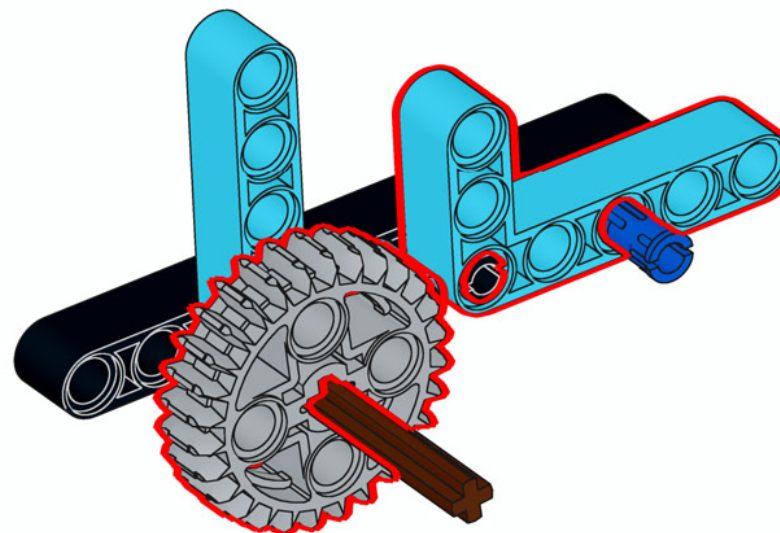
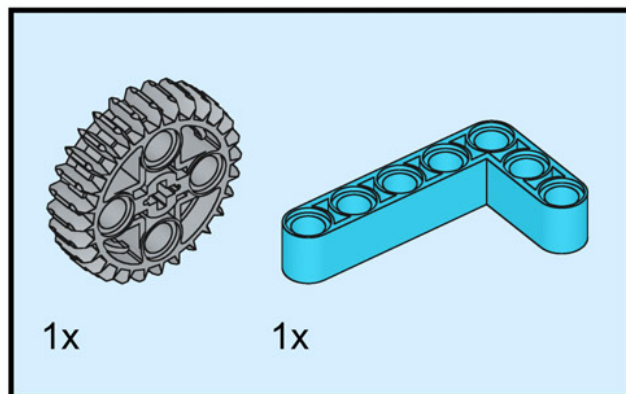
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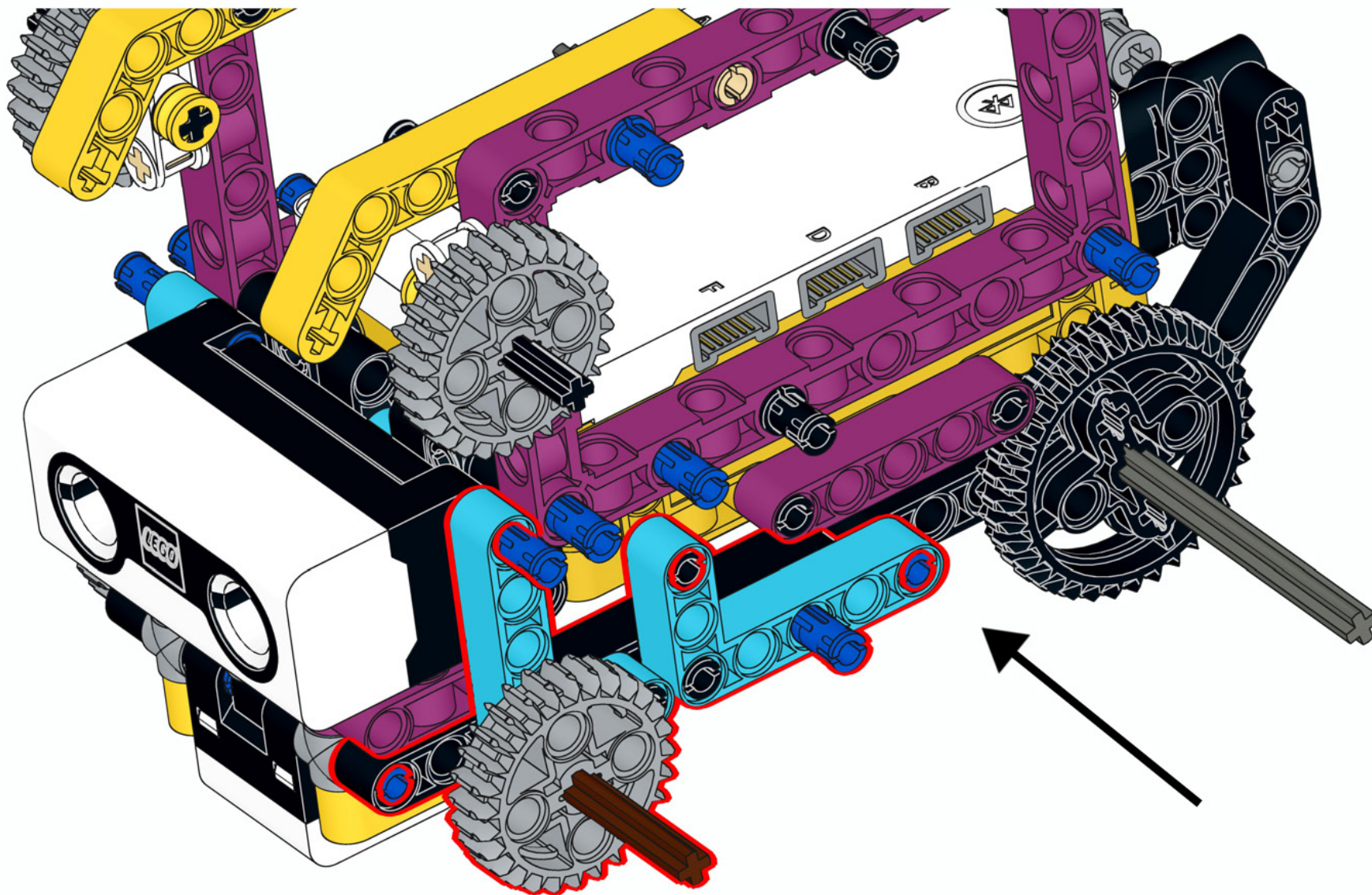
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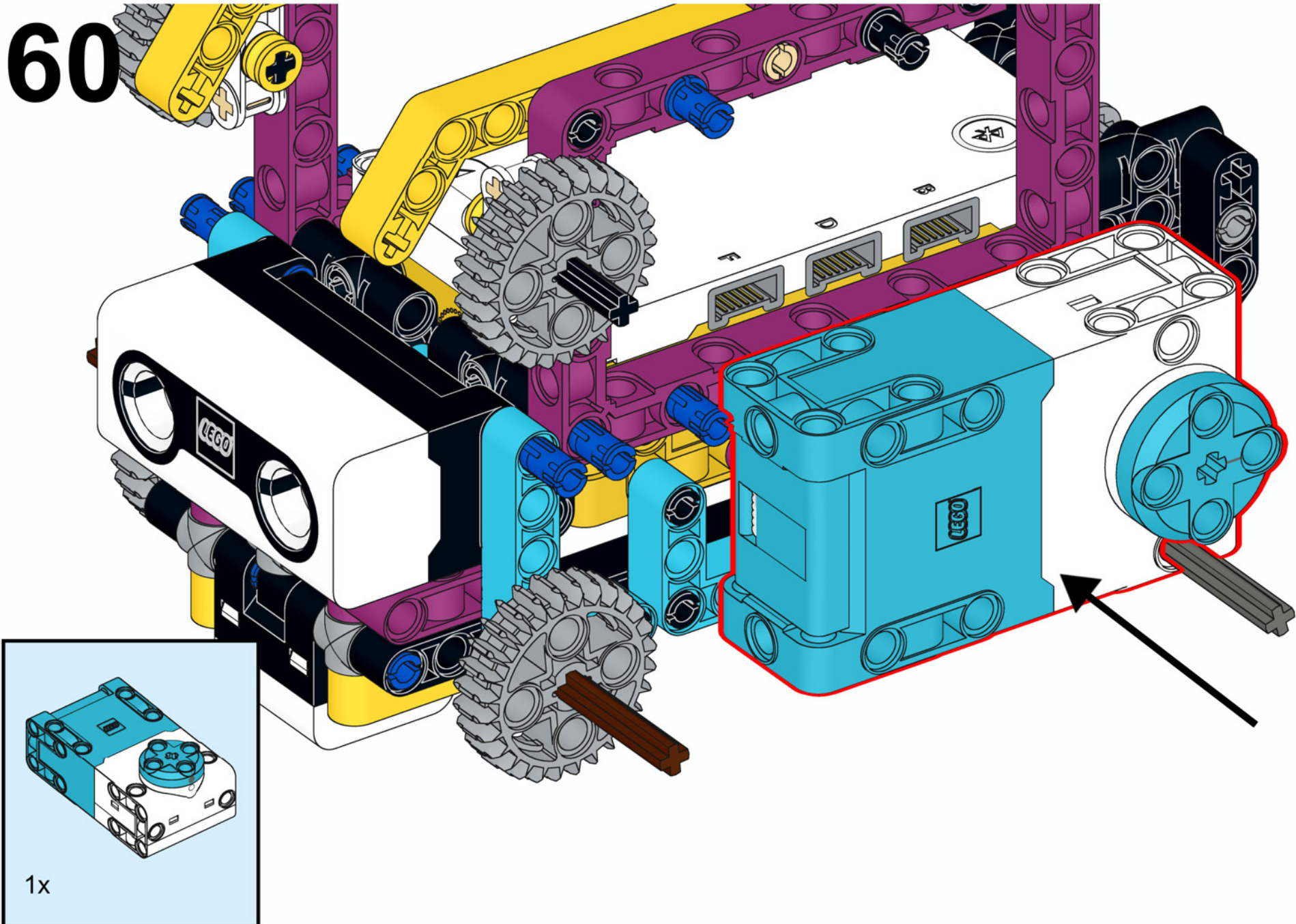


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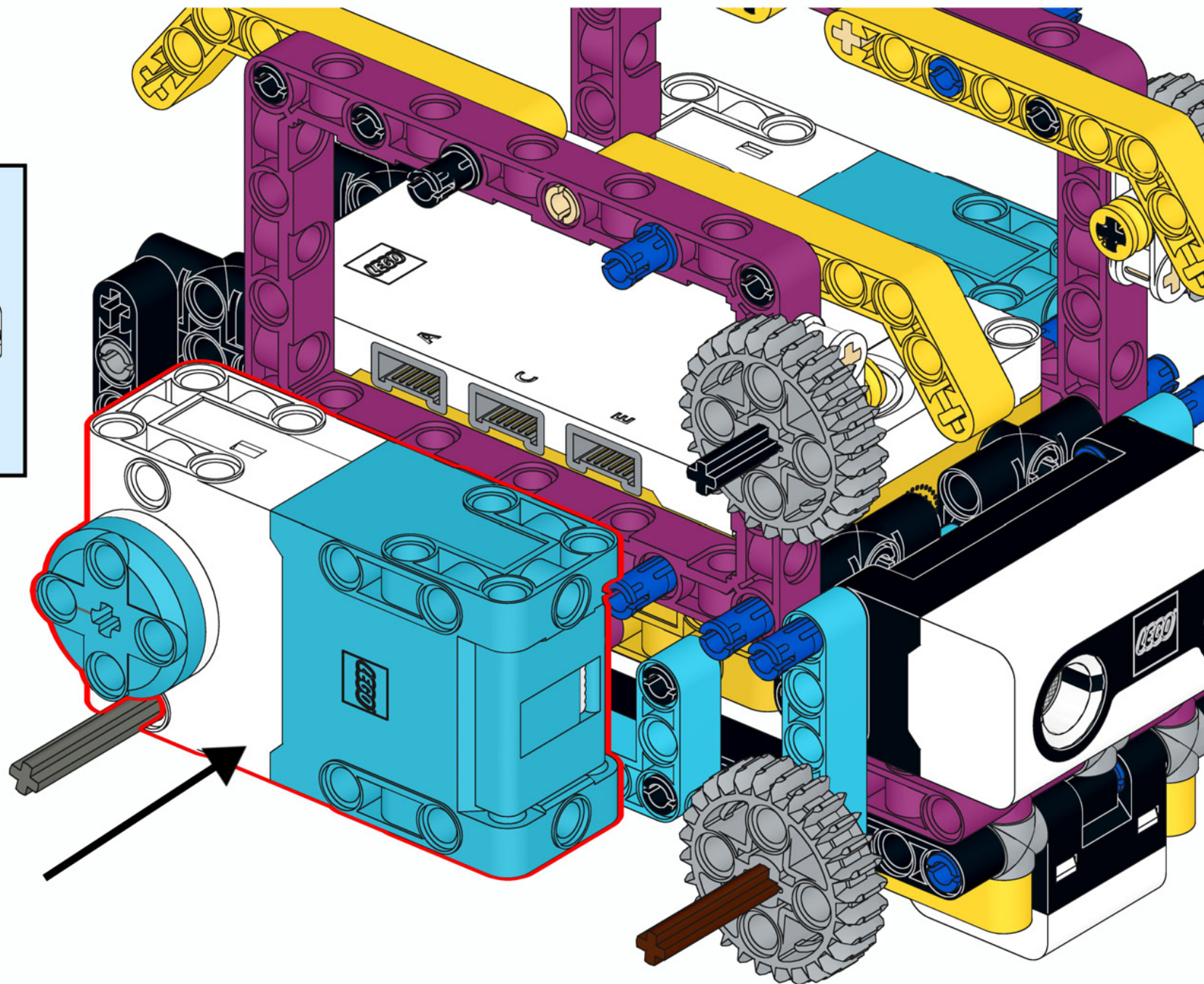
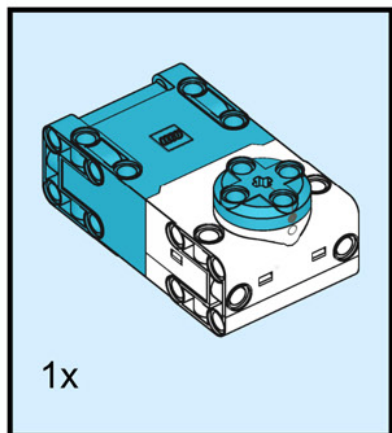


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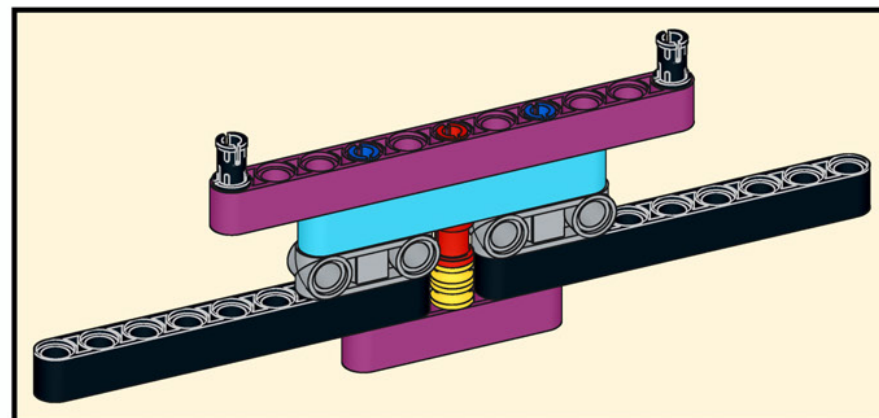
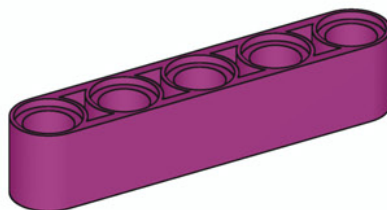
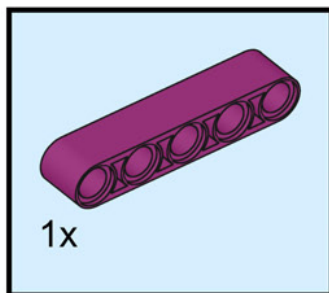




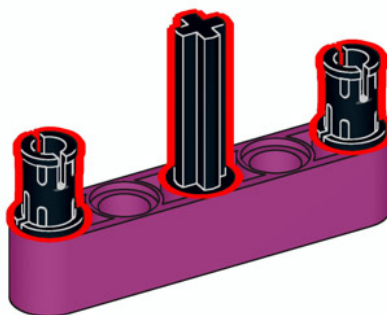
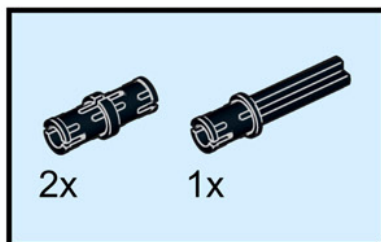
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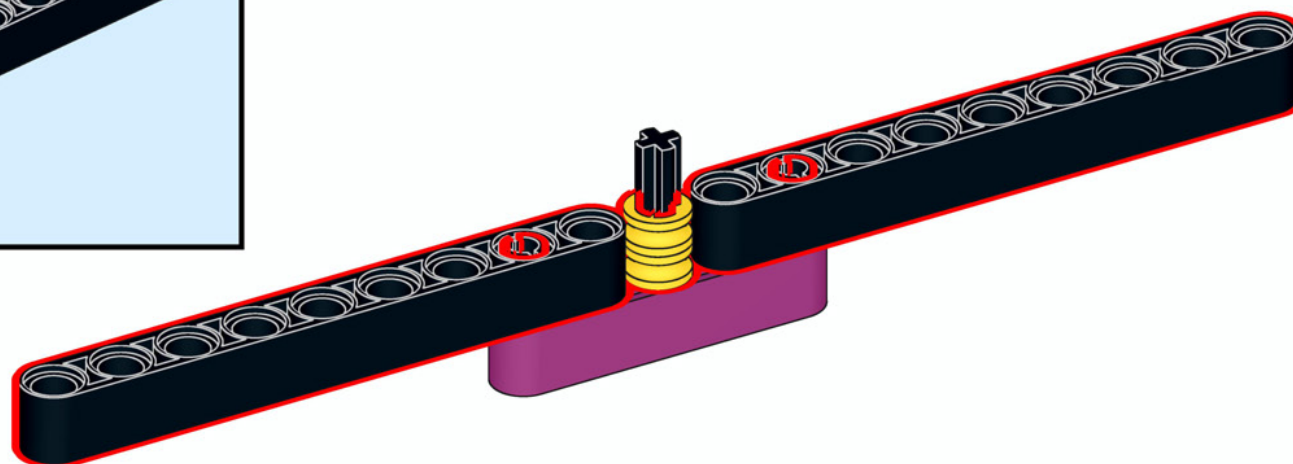
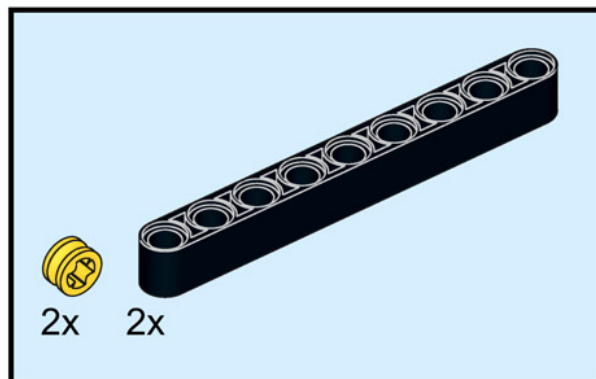
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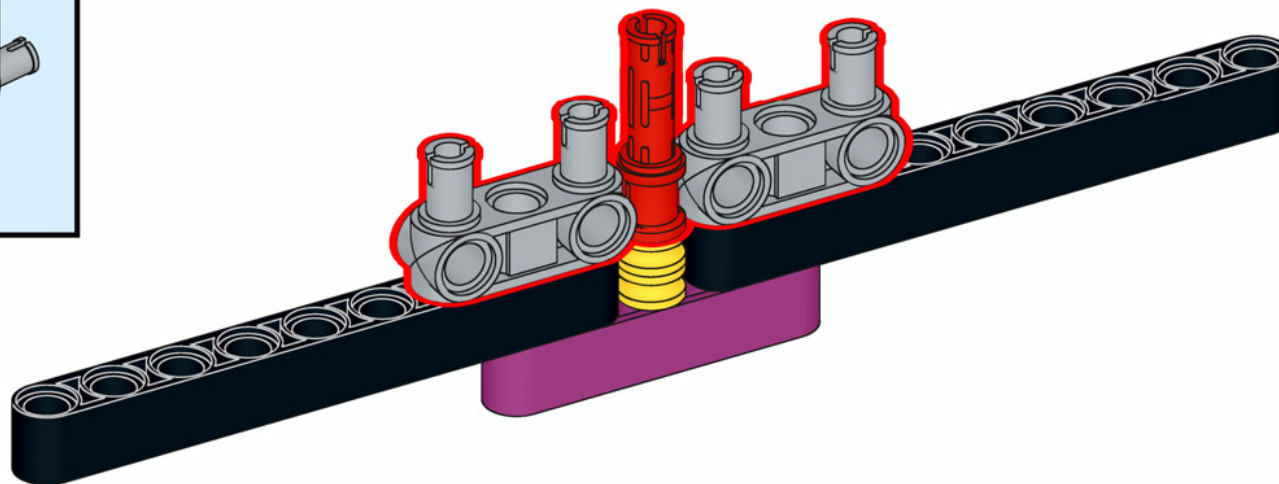
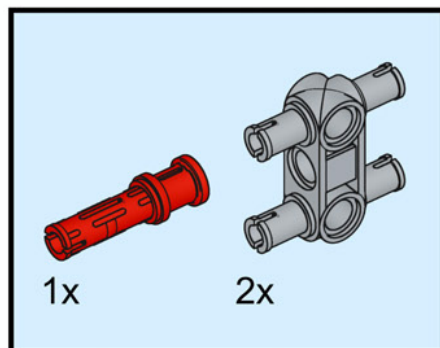
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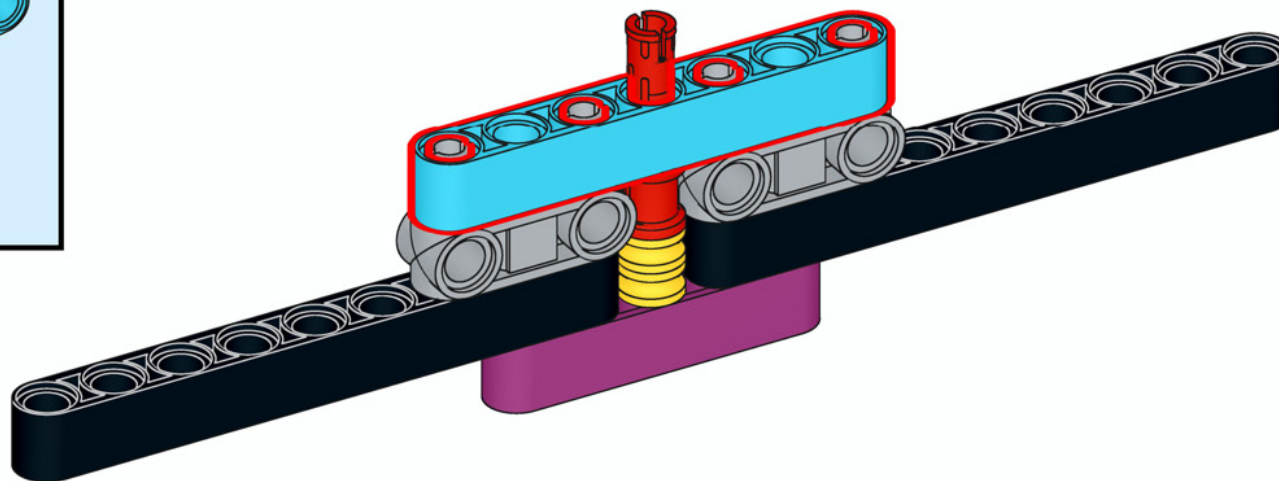
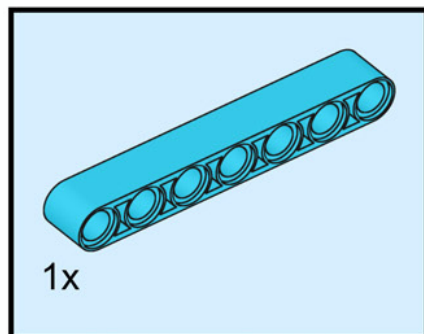
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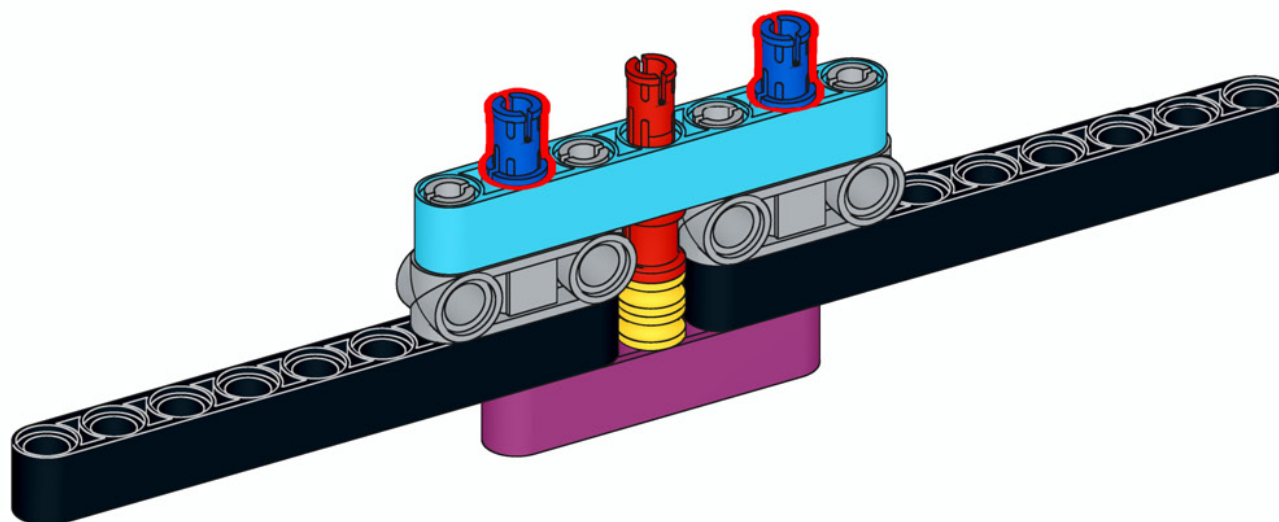
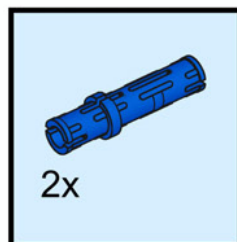
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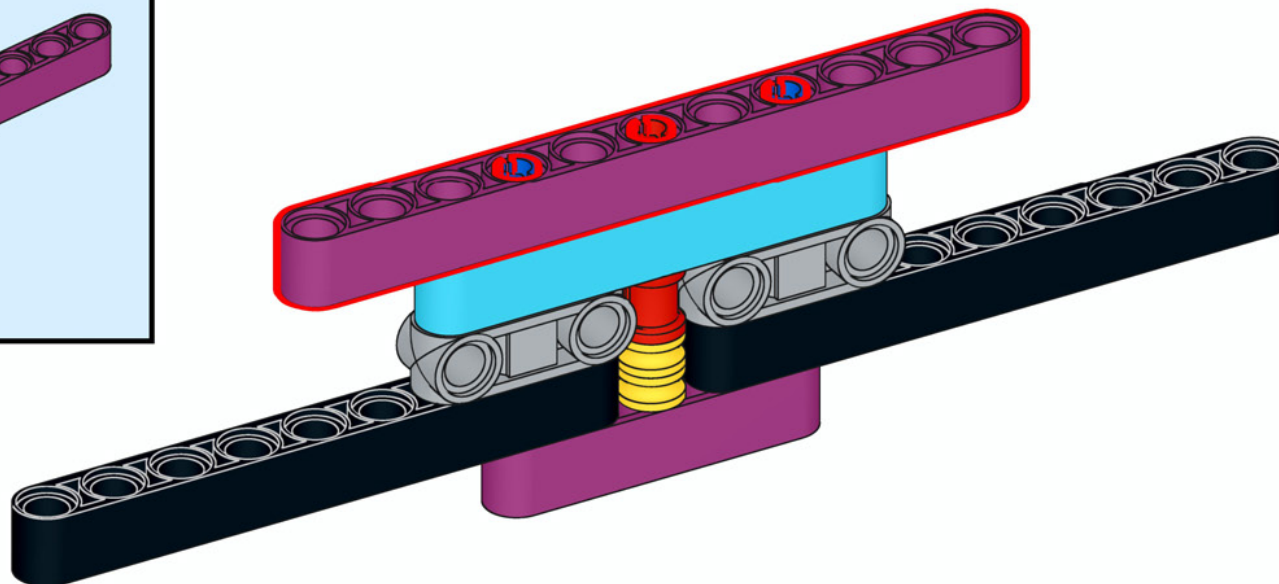
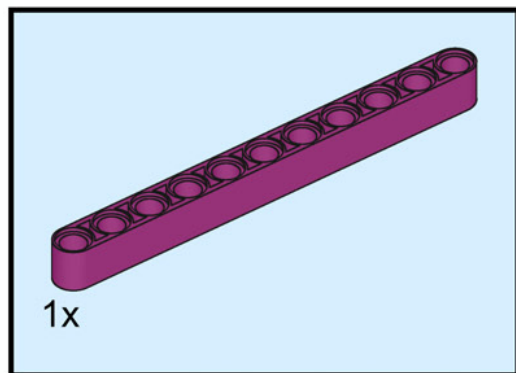
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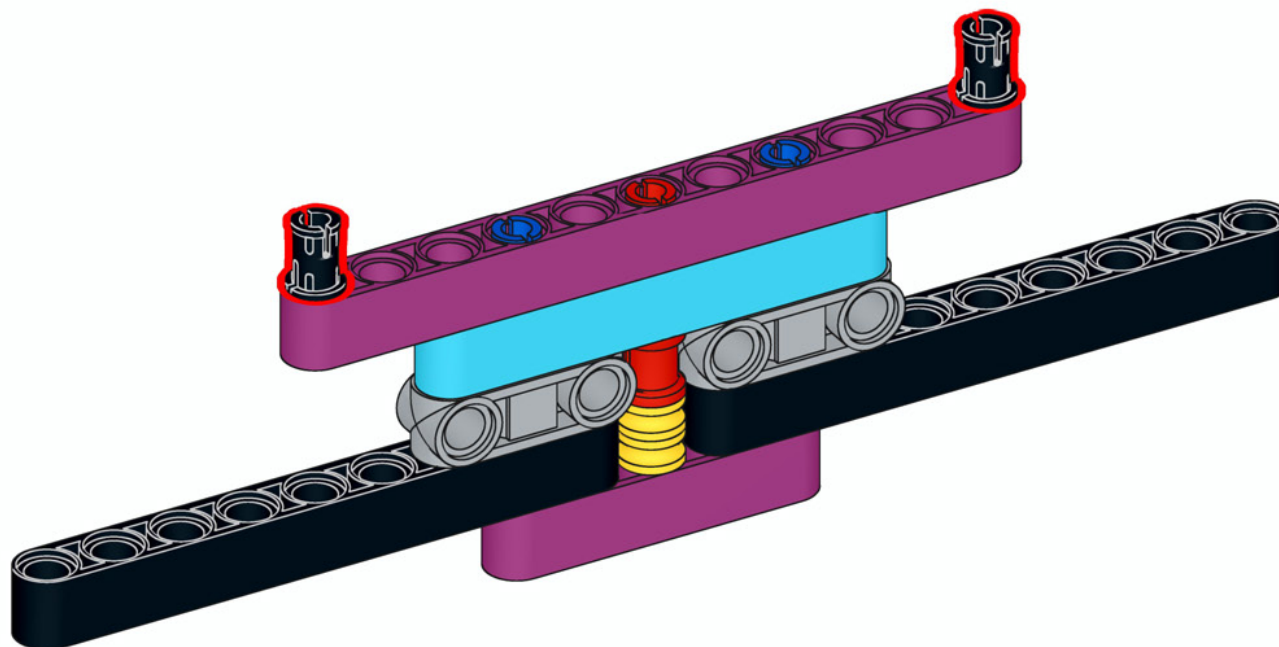
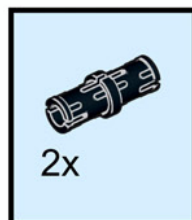
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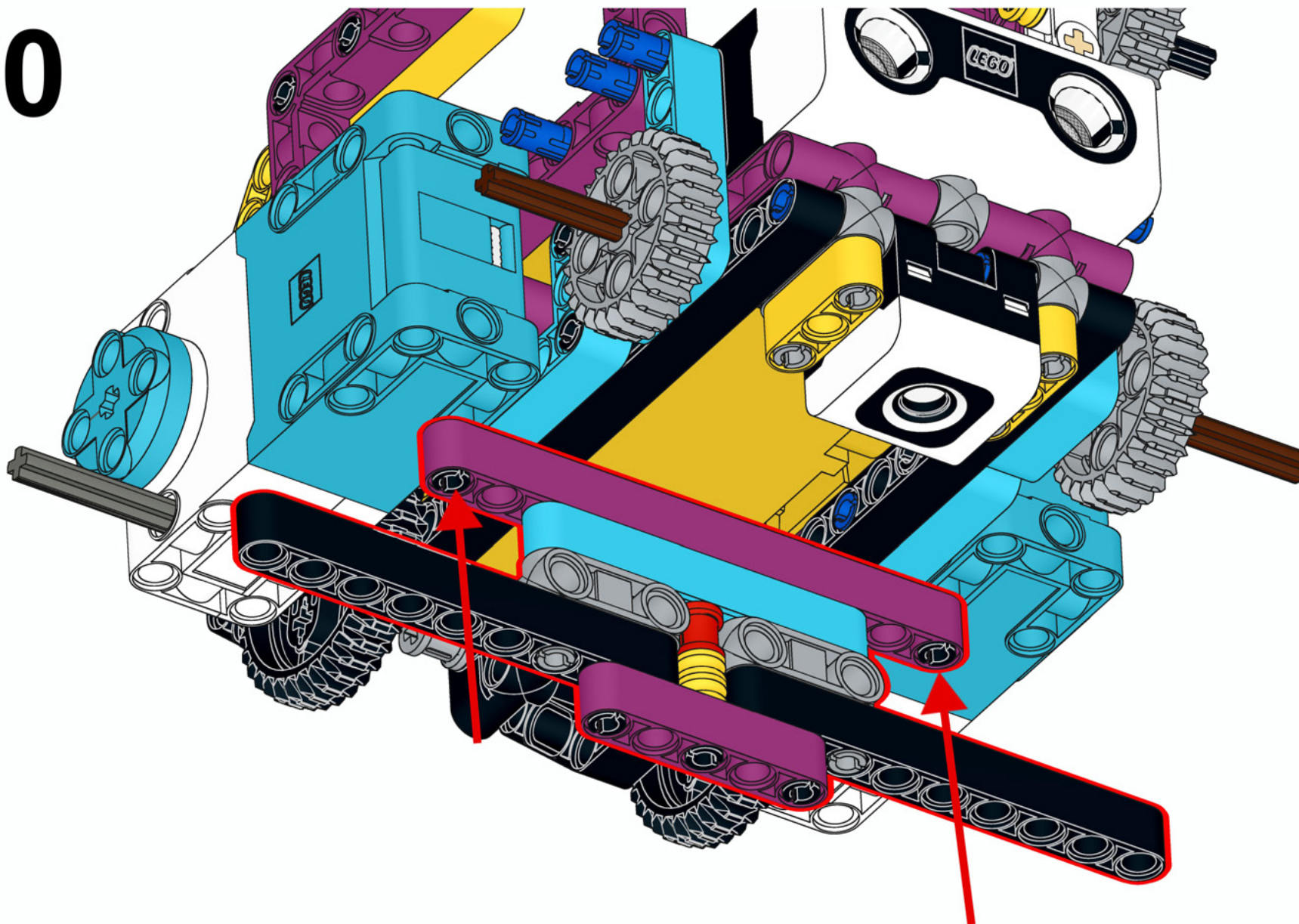
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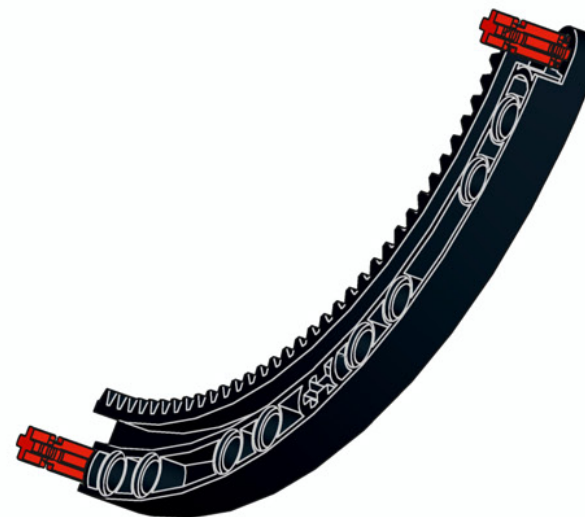
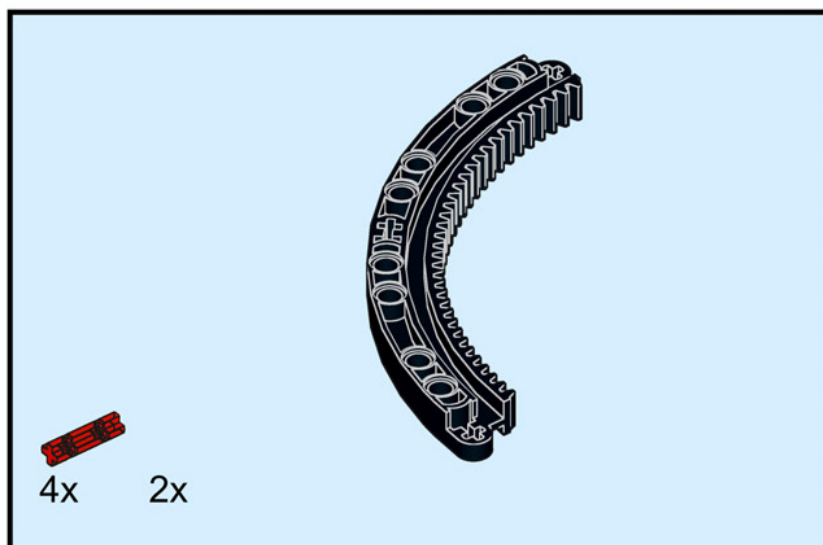
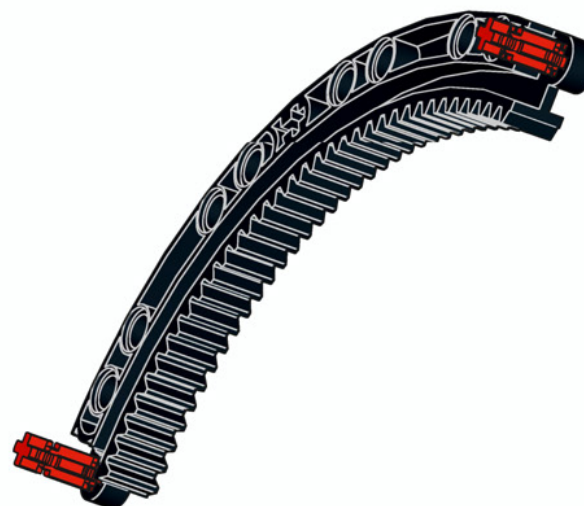
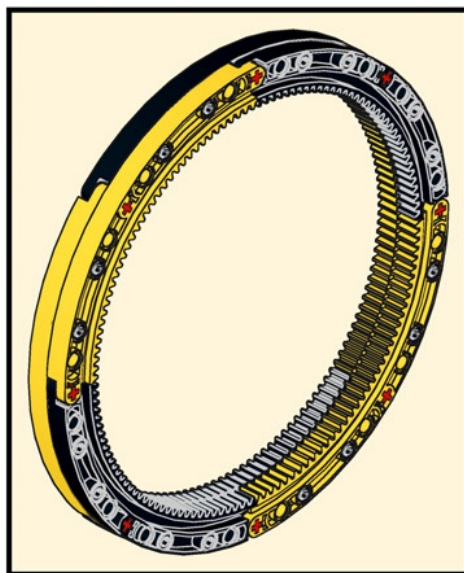
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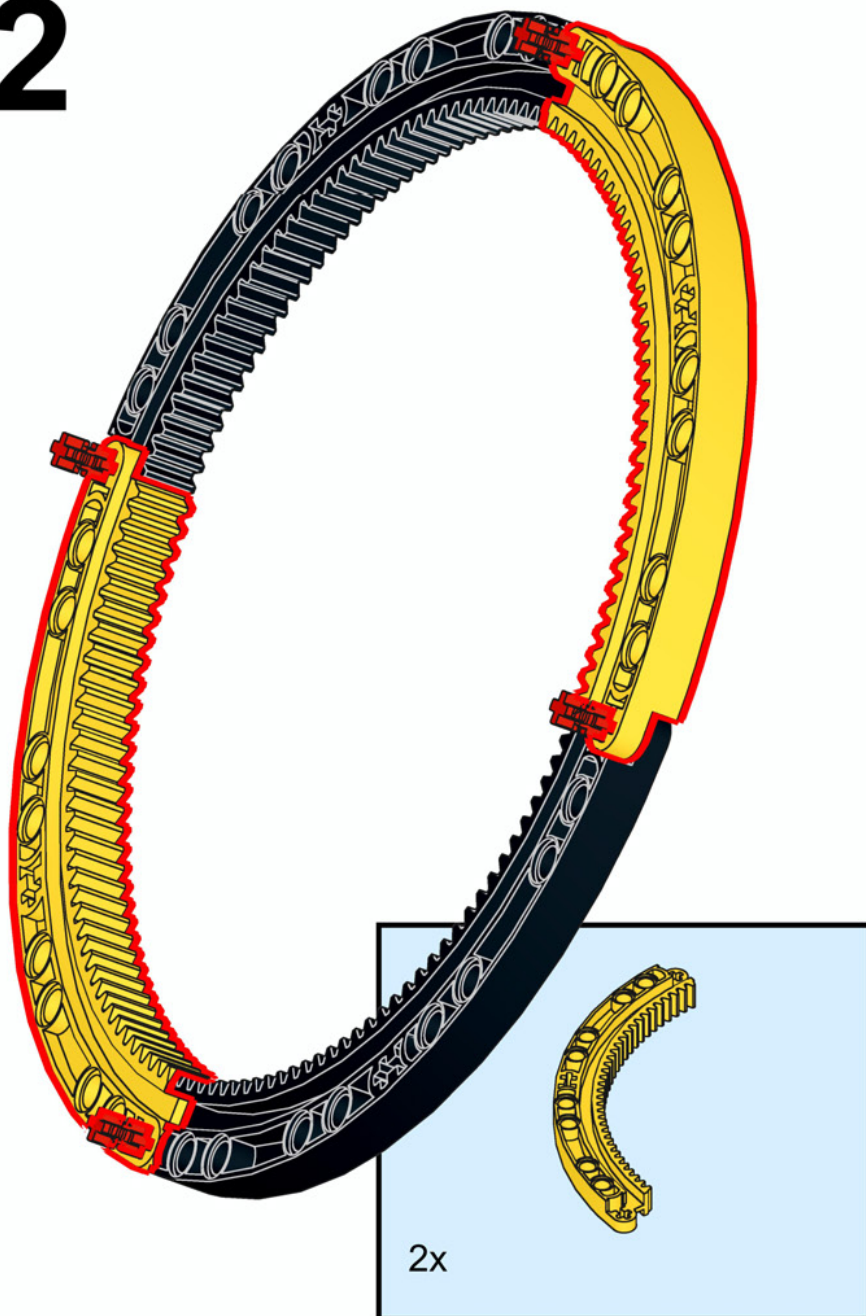
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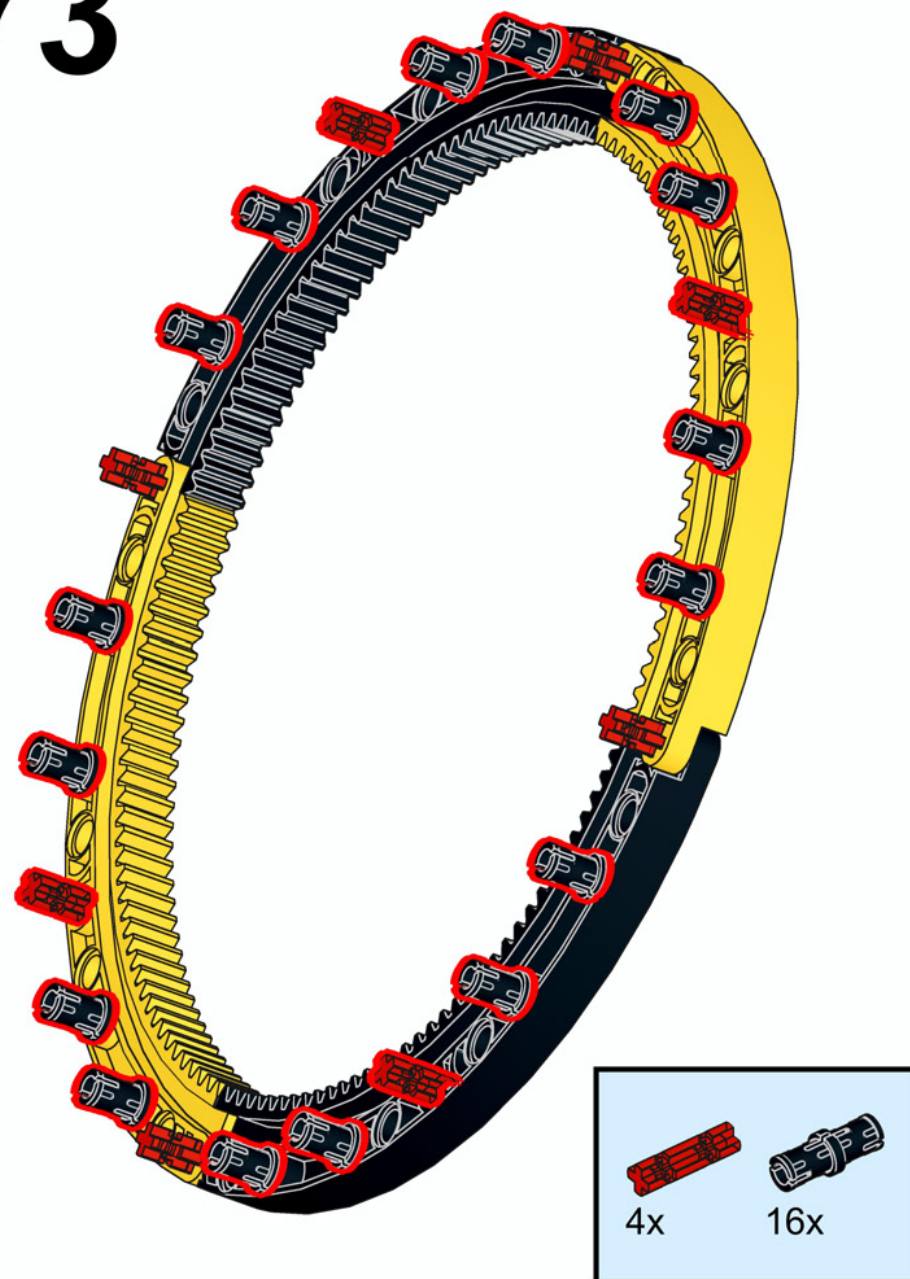
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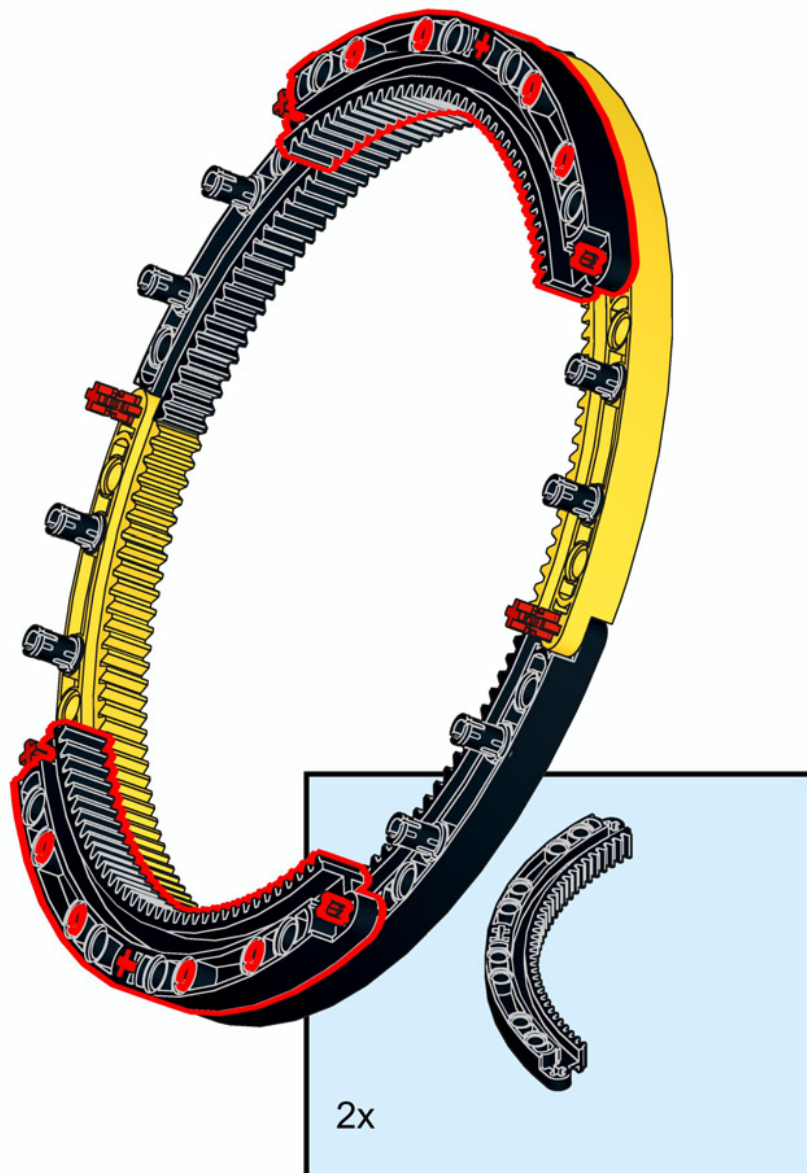
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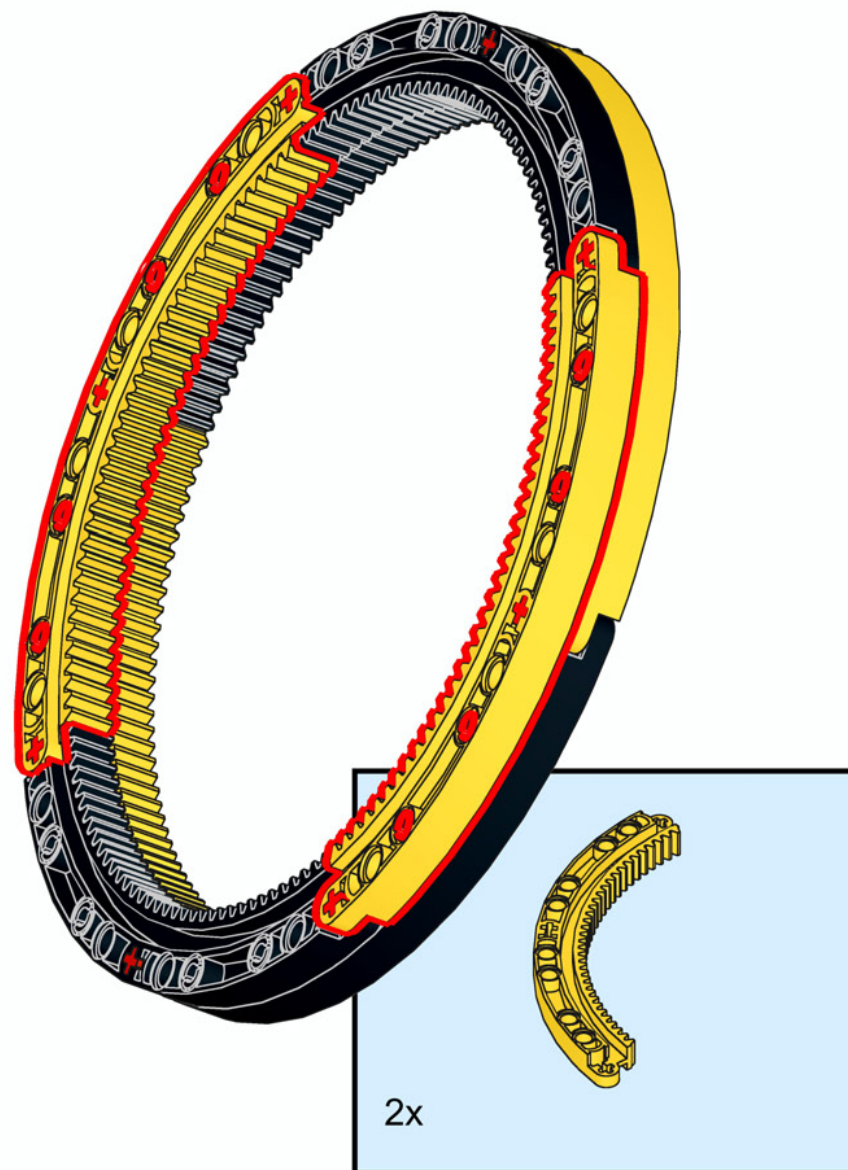
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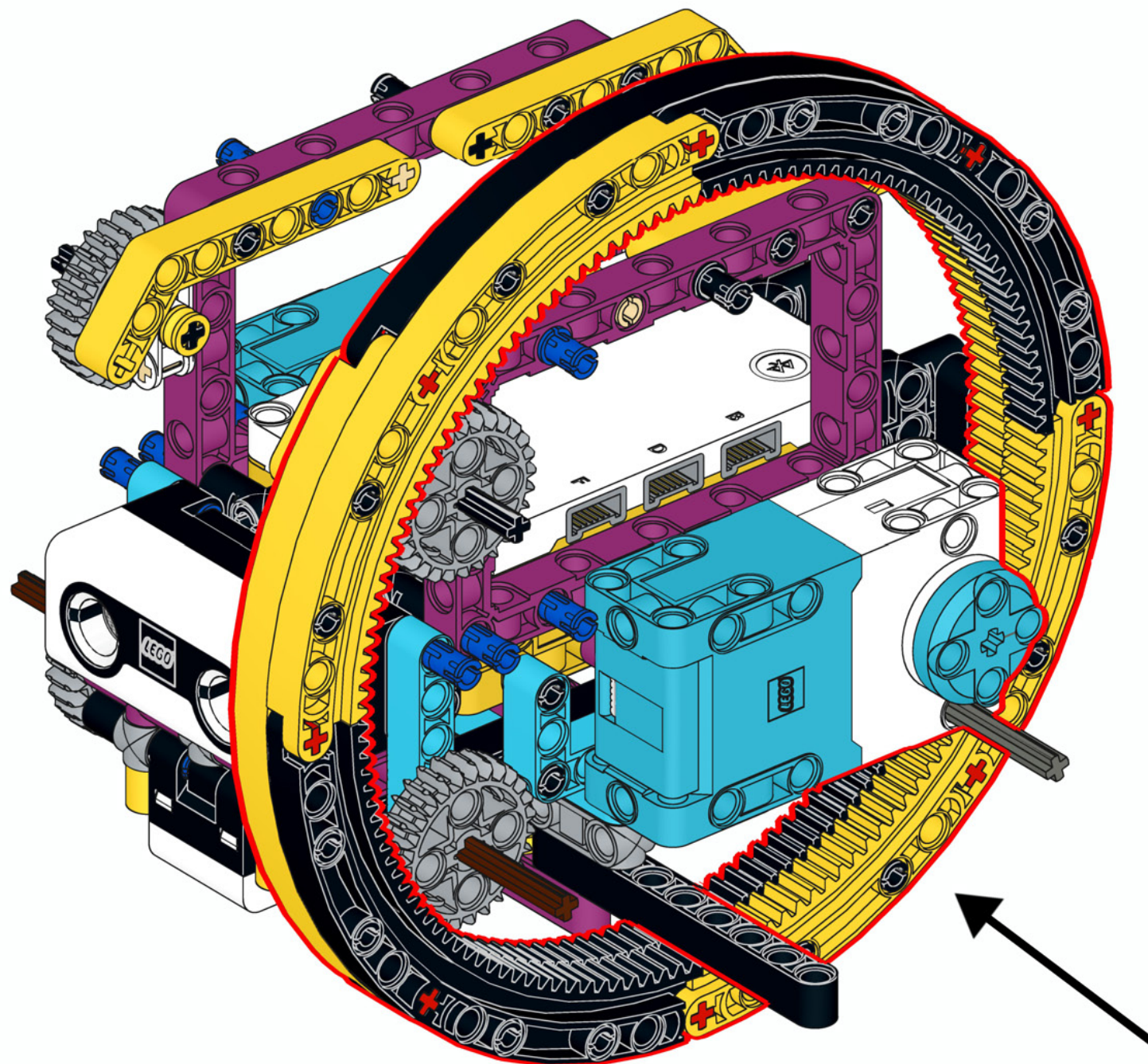
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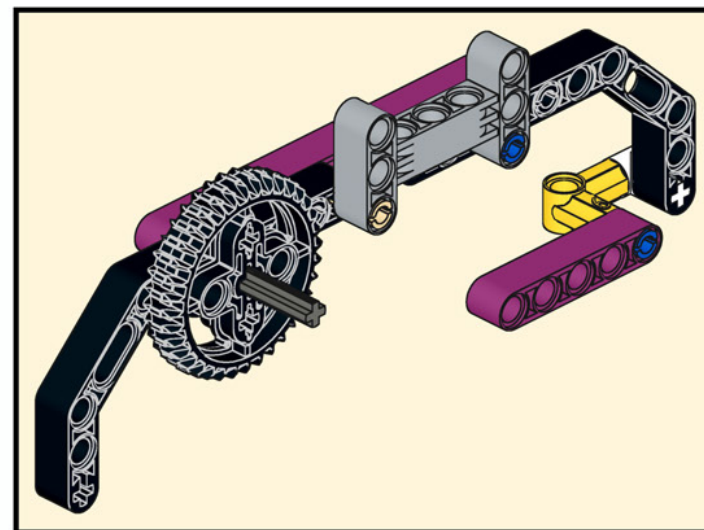
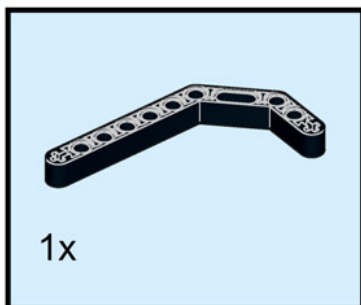
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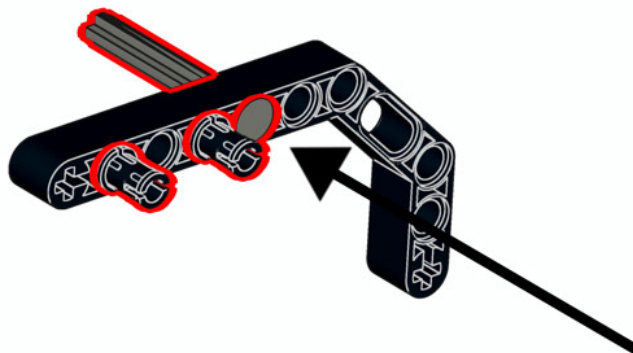
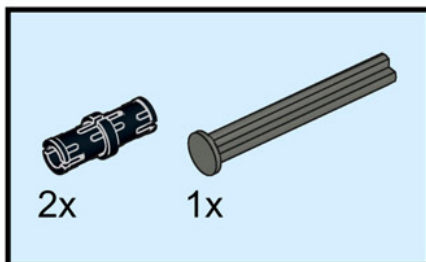
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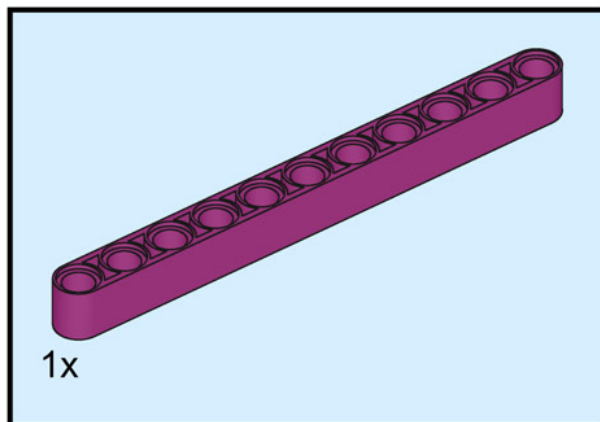
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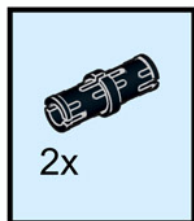
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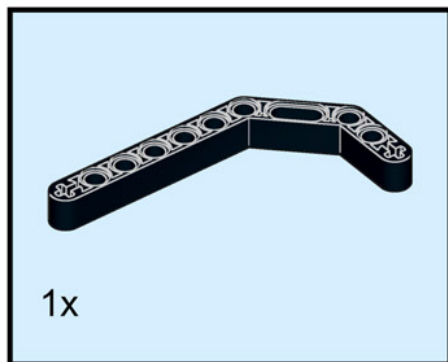
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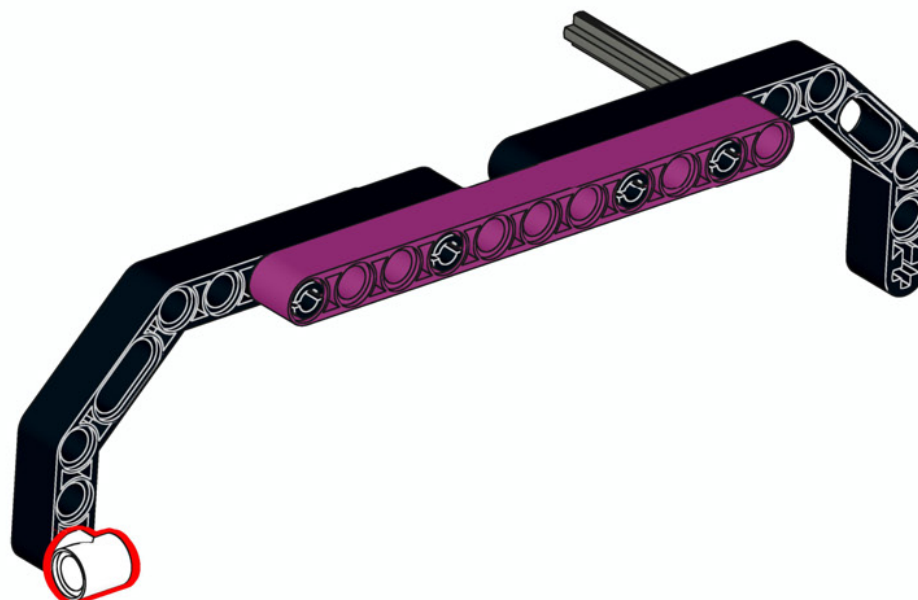
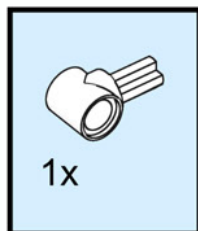
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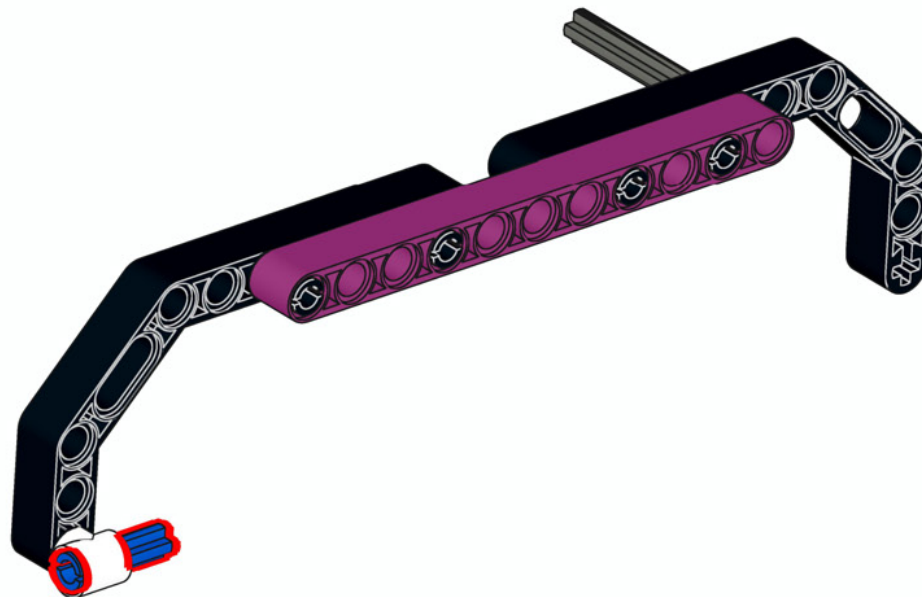
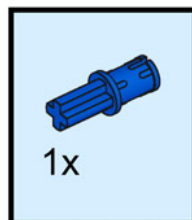
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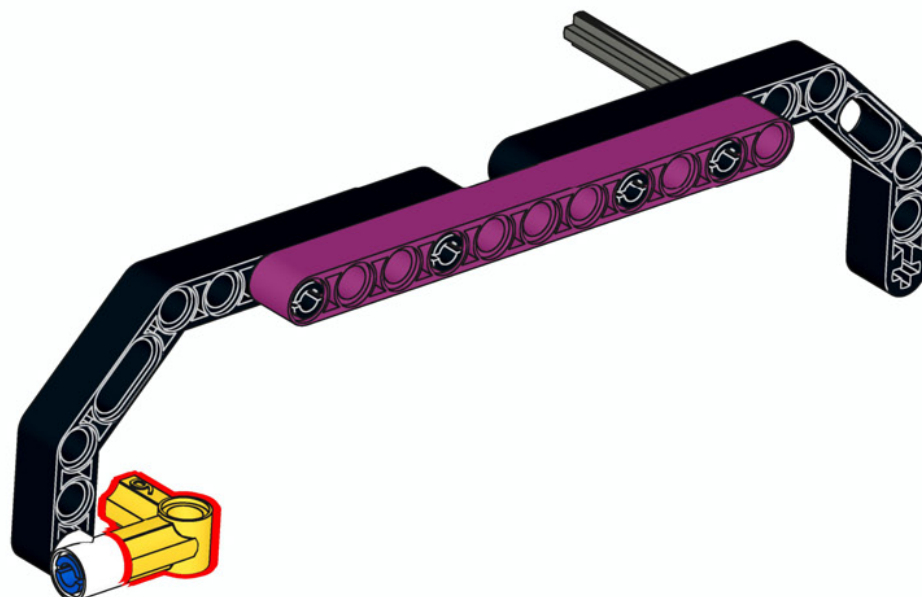
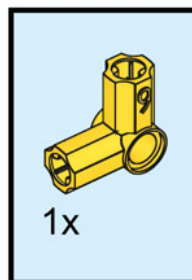
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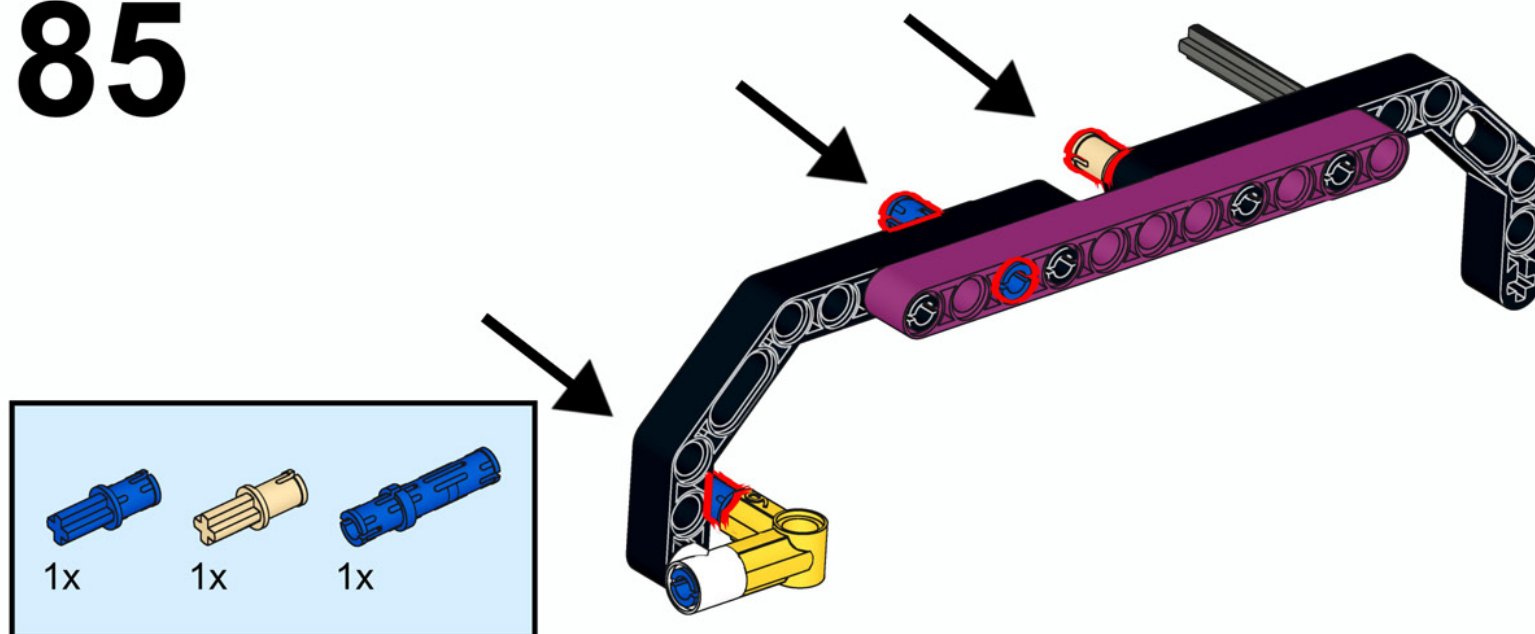
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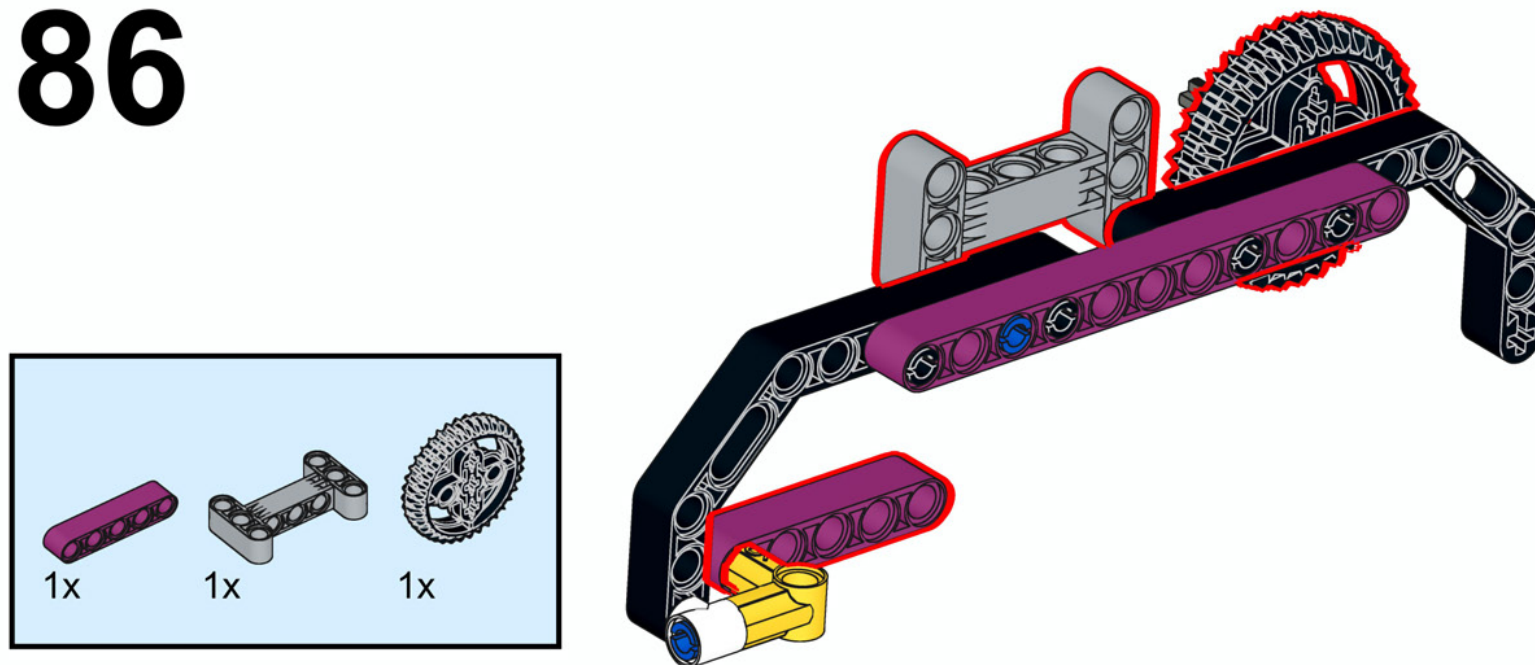
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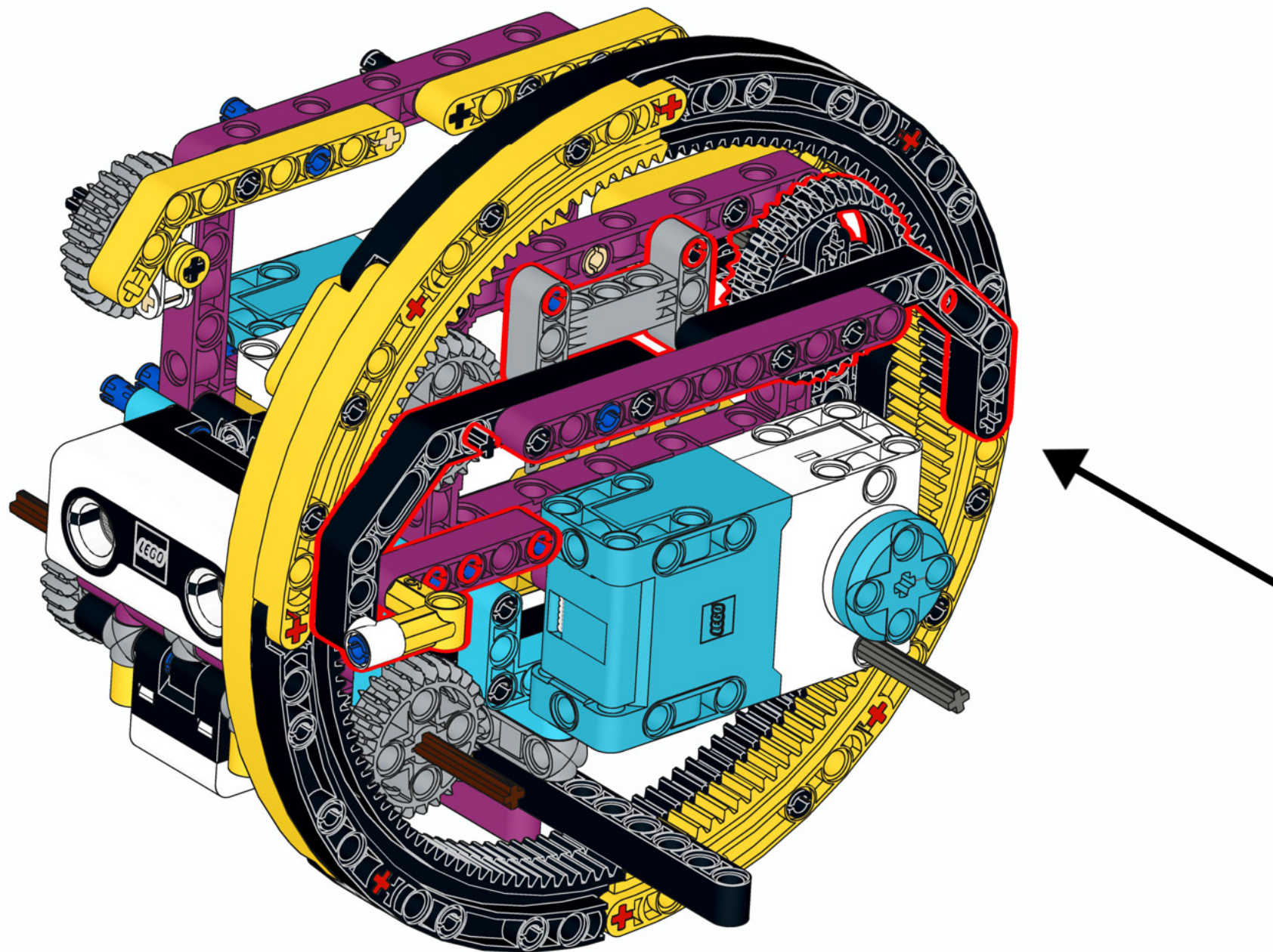
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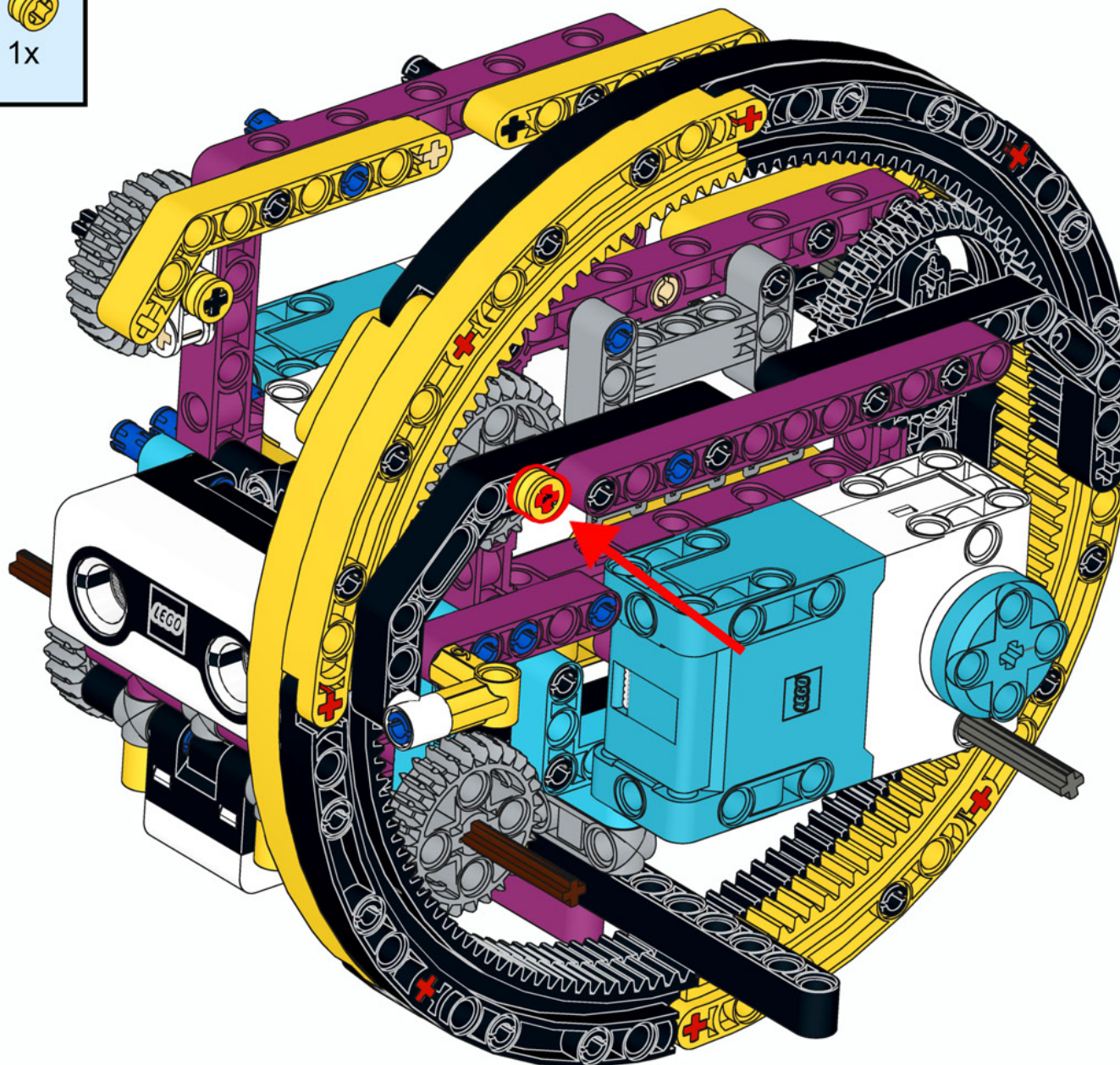
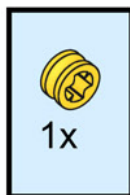
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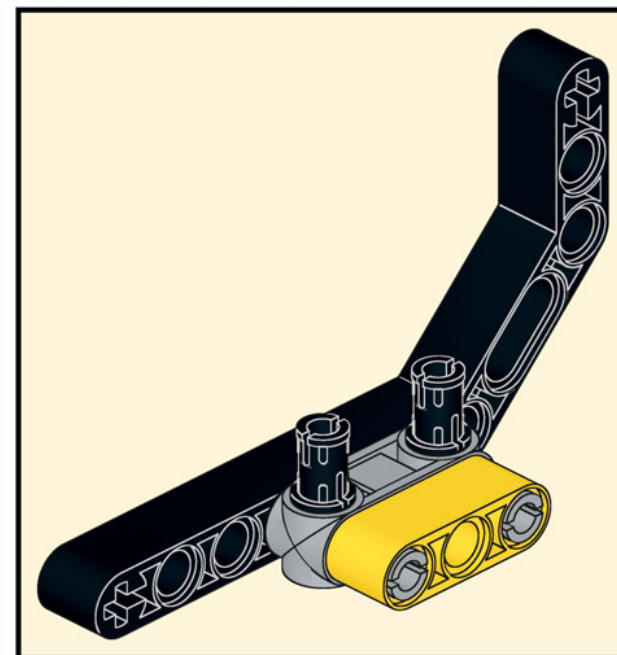
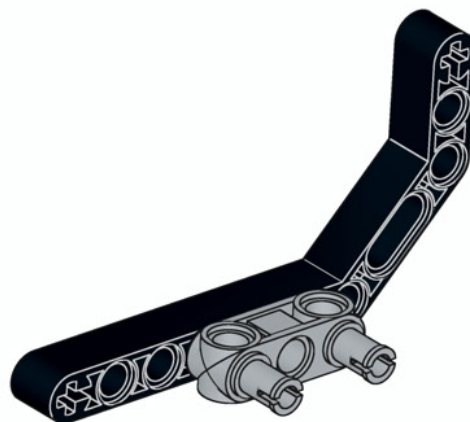
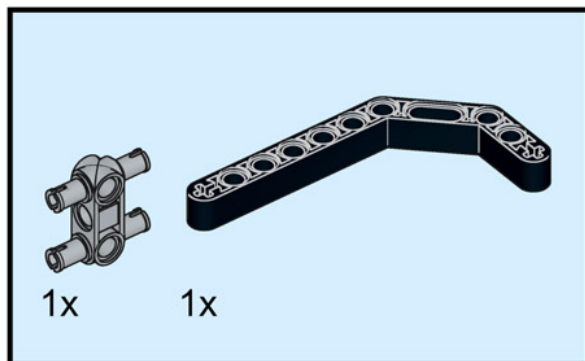
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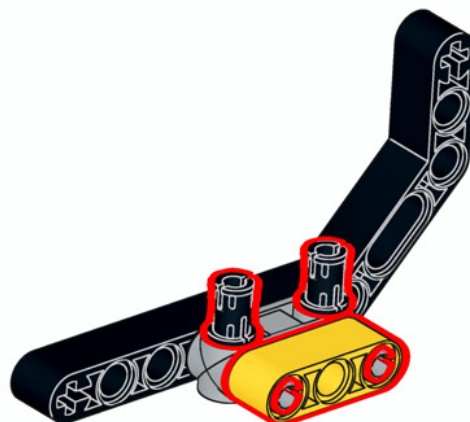
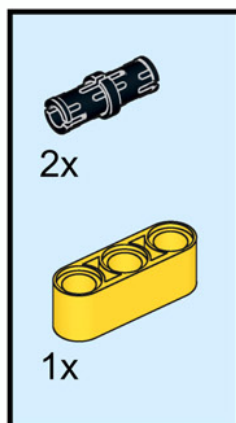
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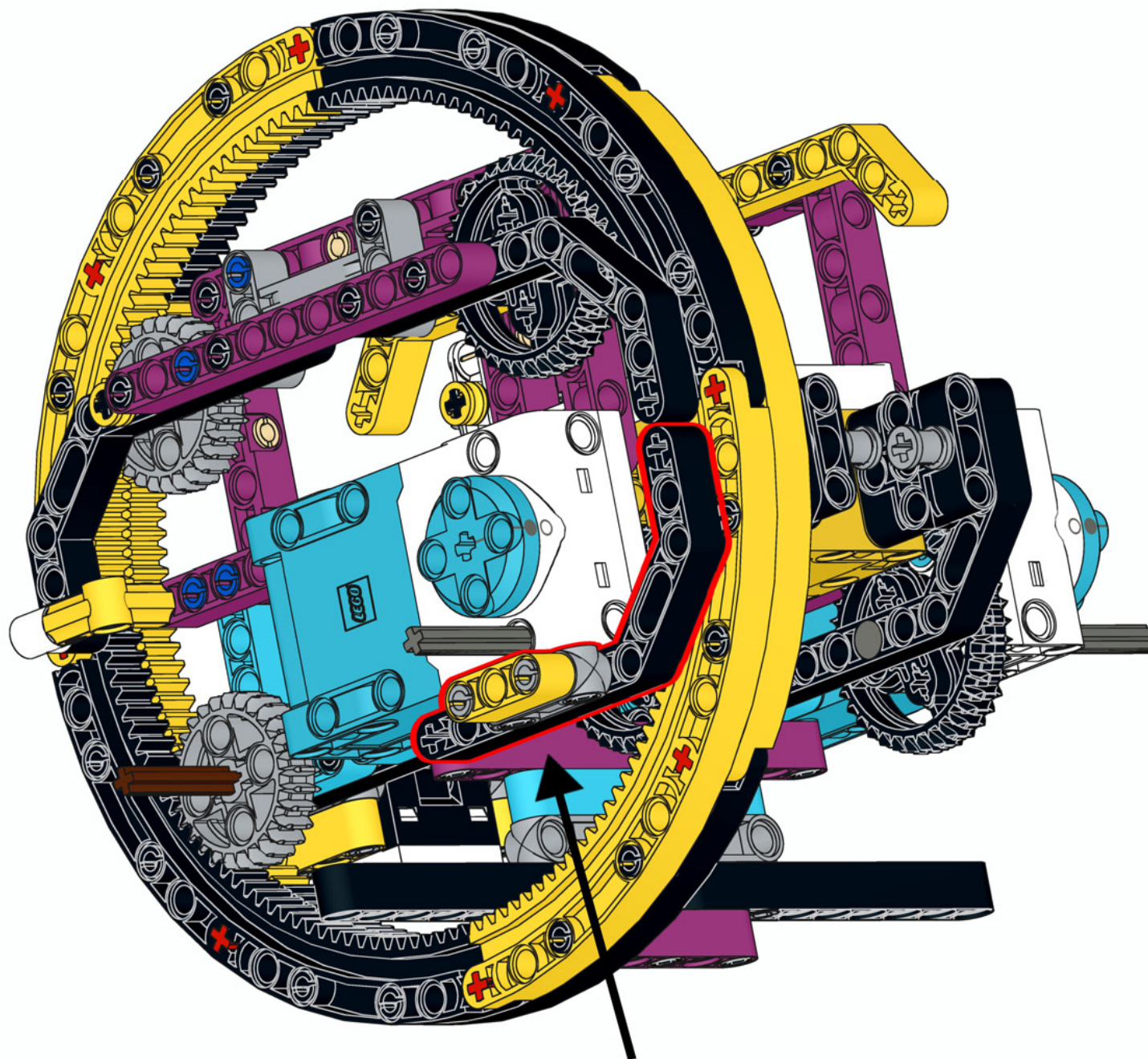
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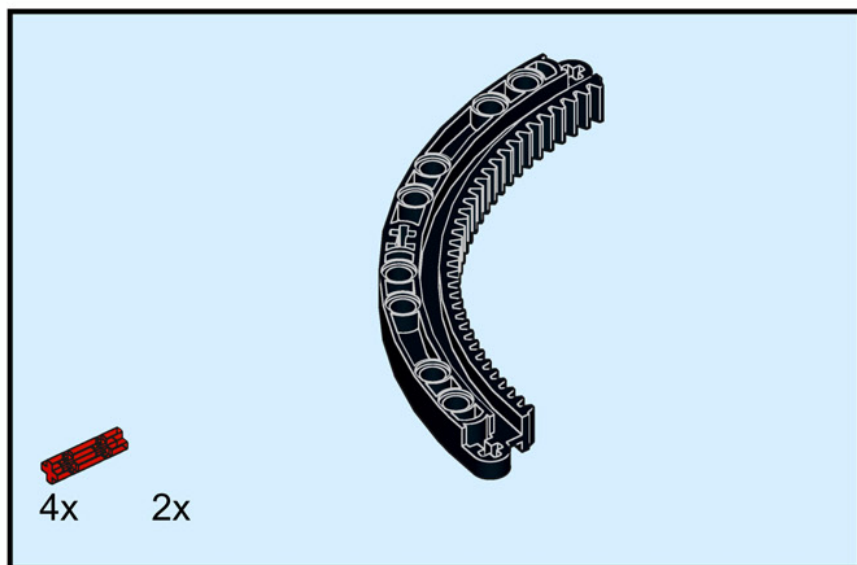
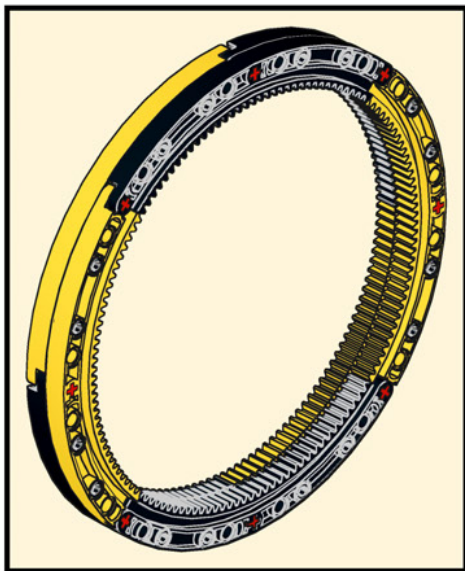
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91



92

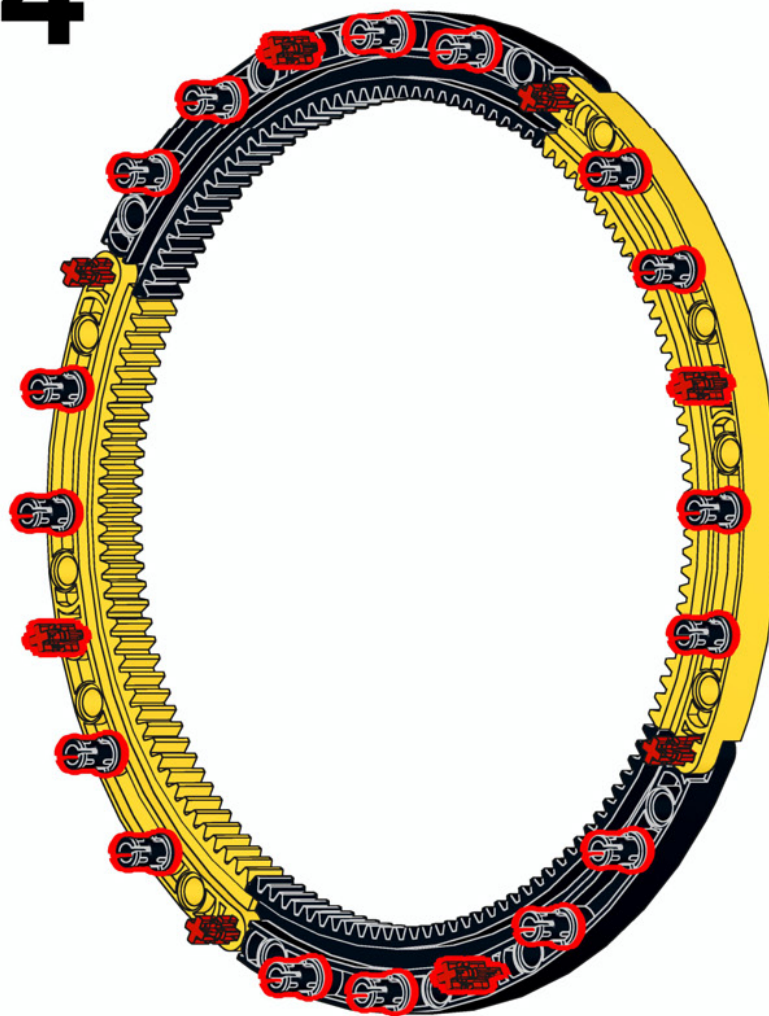


93



2x

94



4x



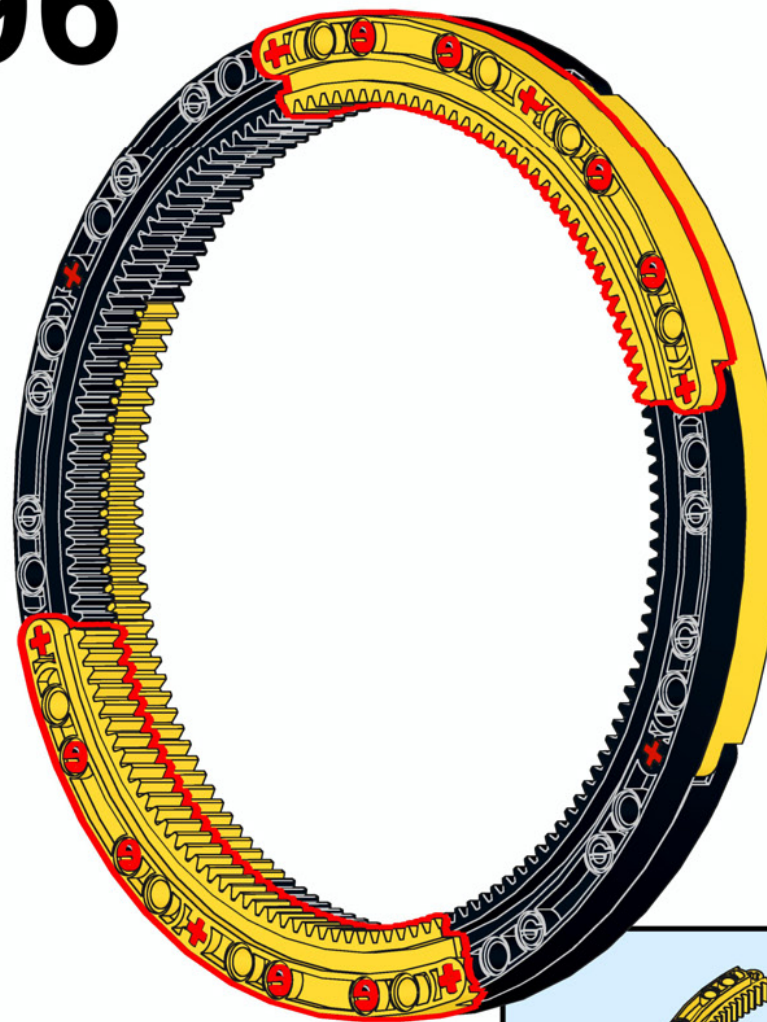
16x

95



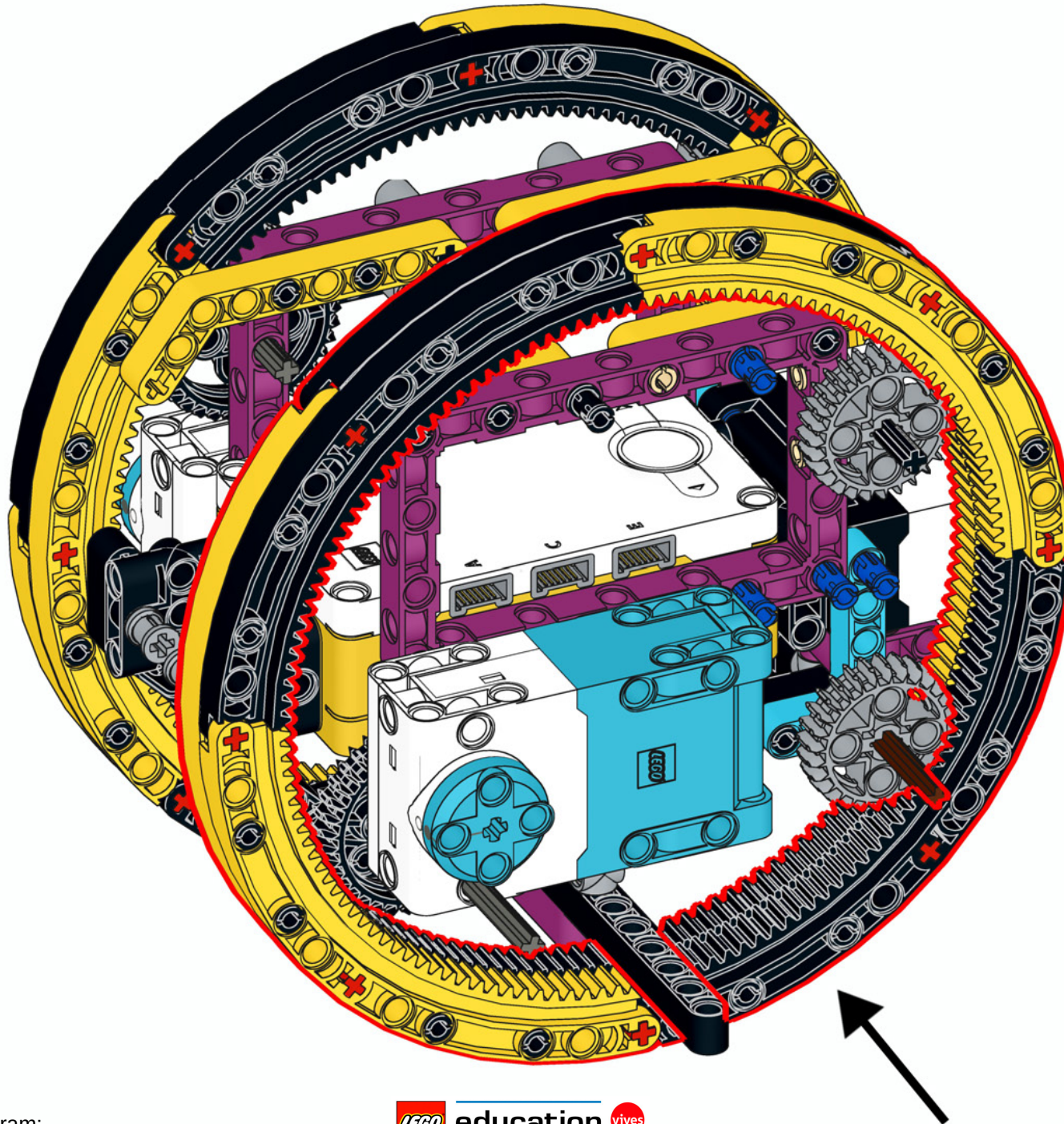
2x

96

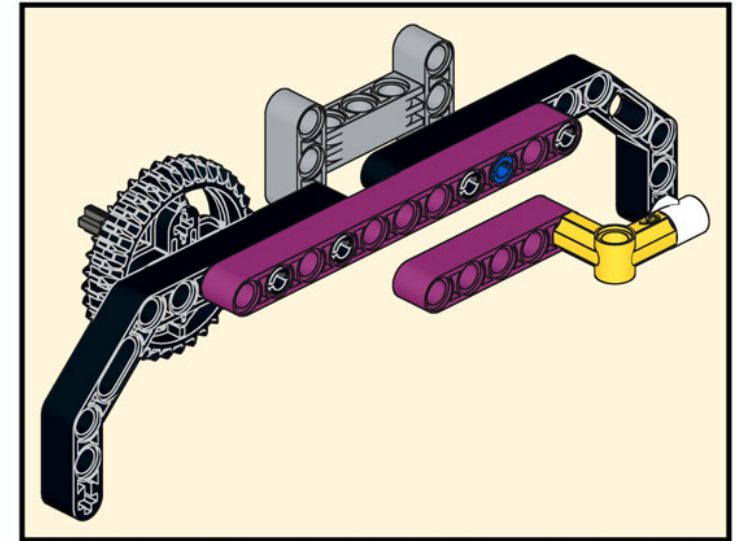
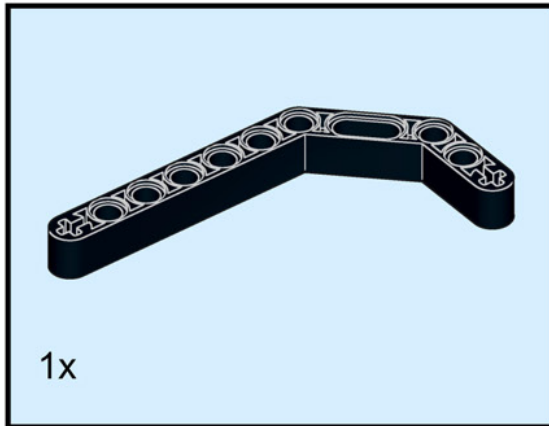


2x

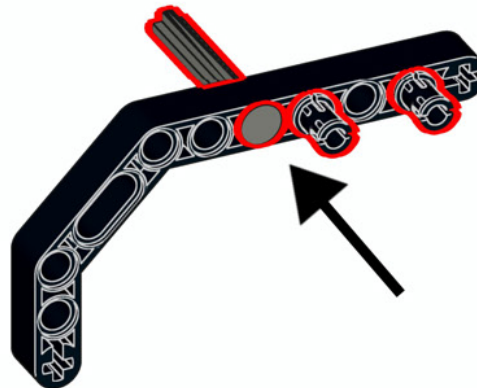
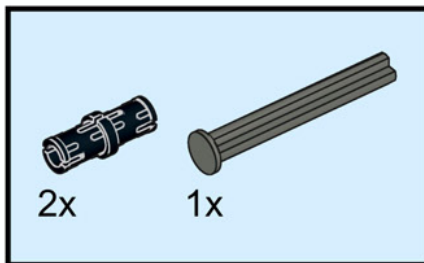
97



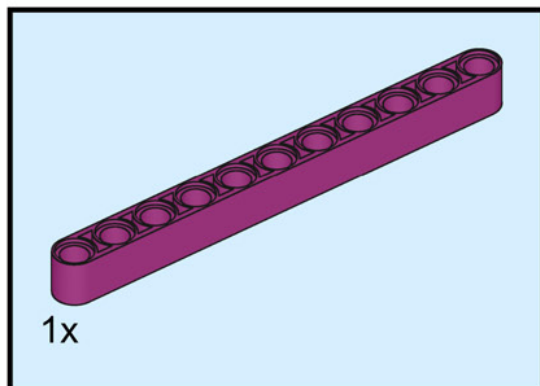
98



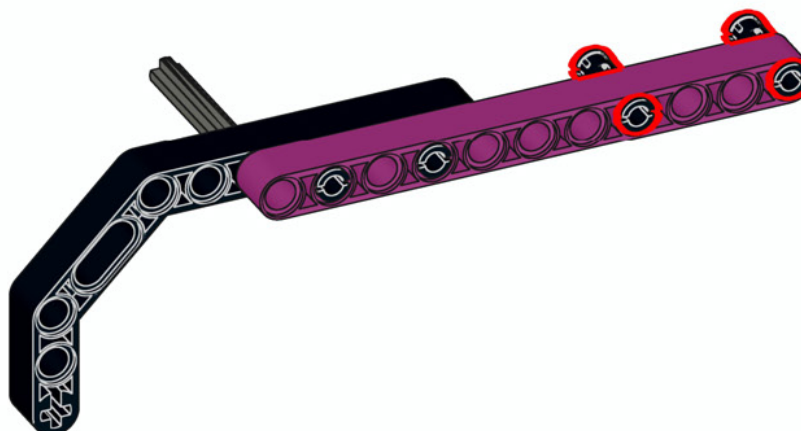
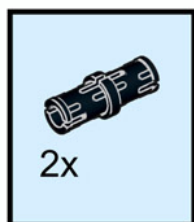
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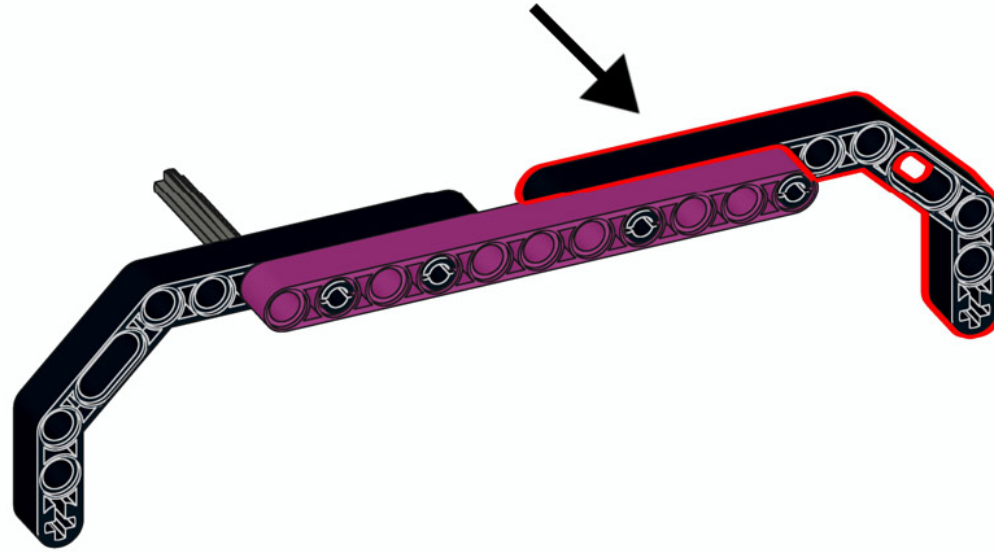
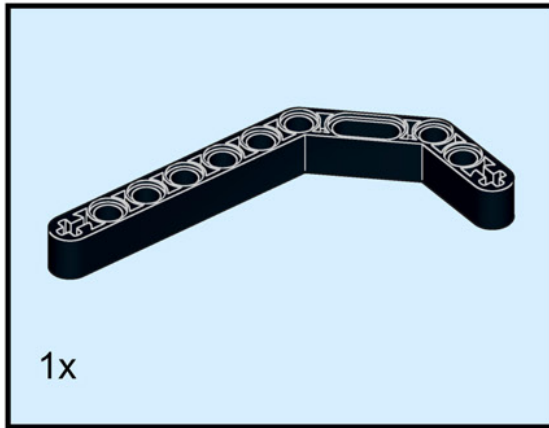
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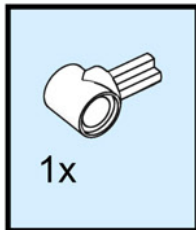
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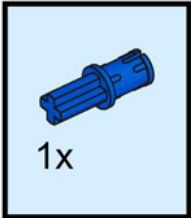
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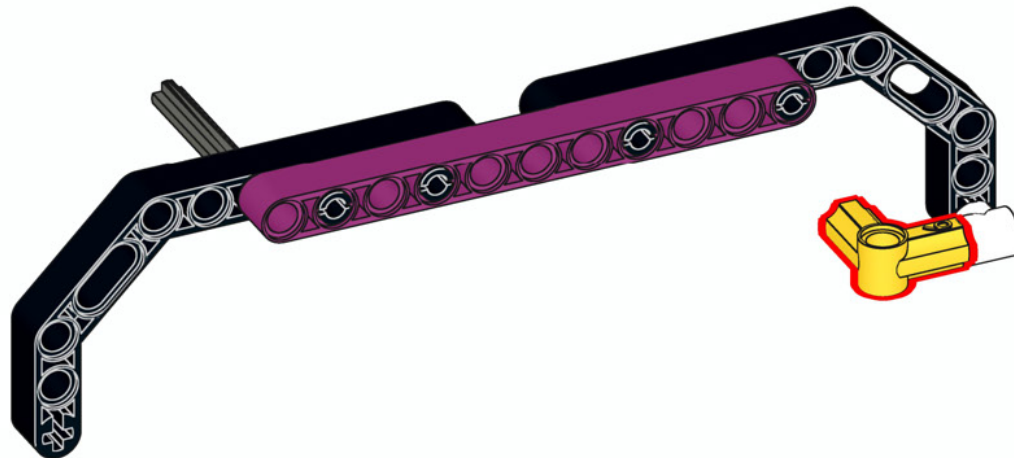
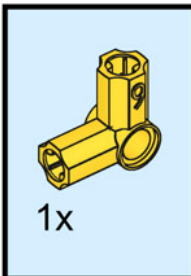
103



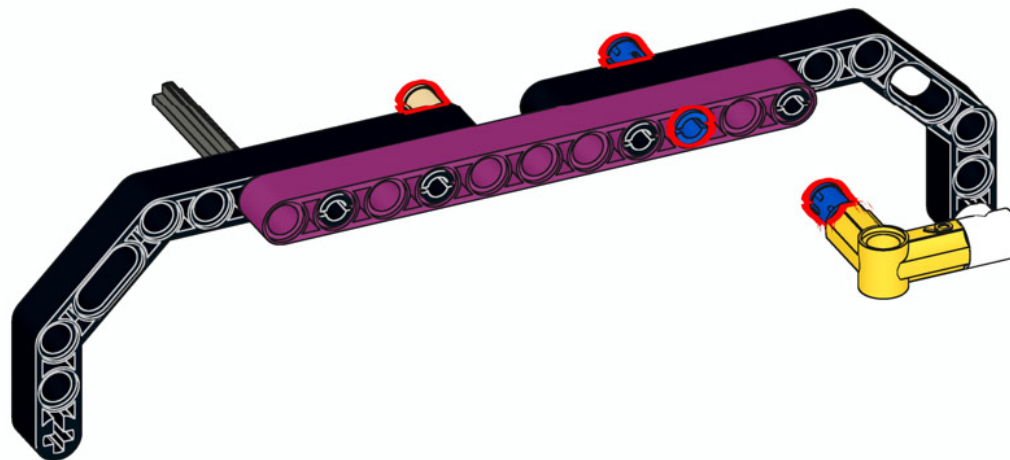
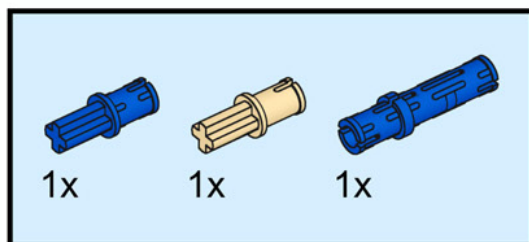
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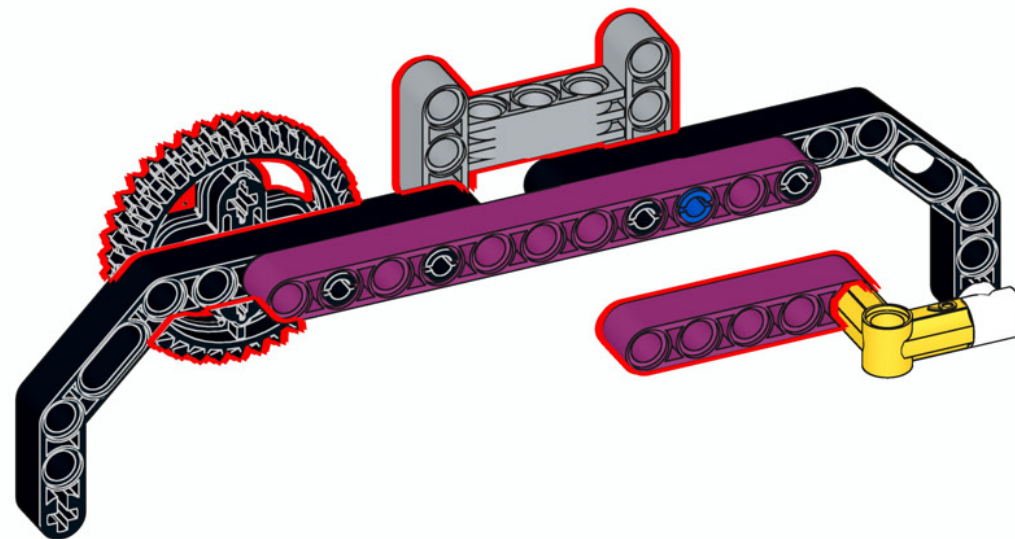
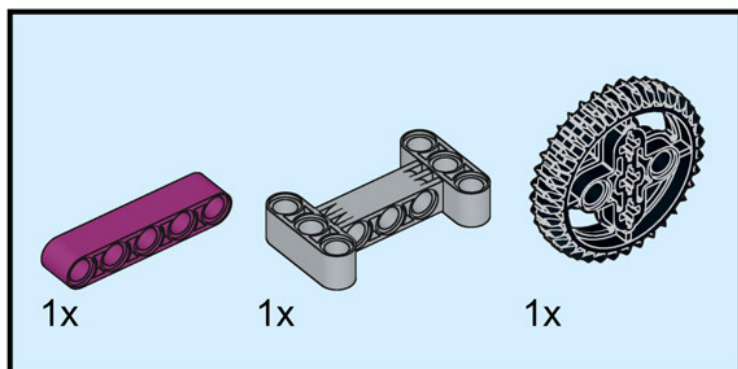
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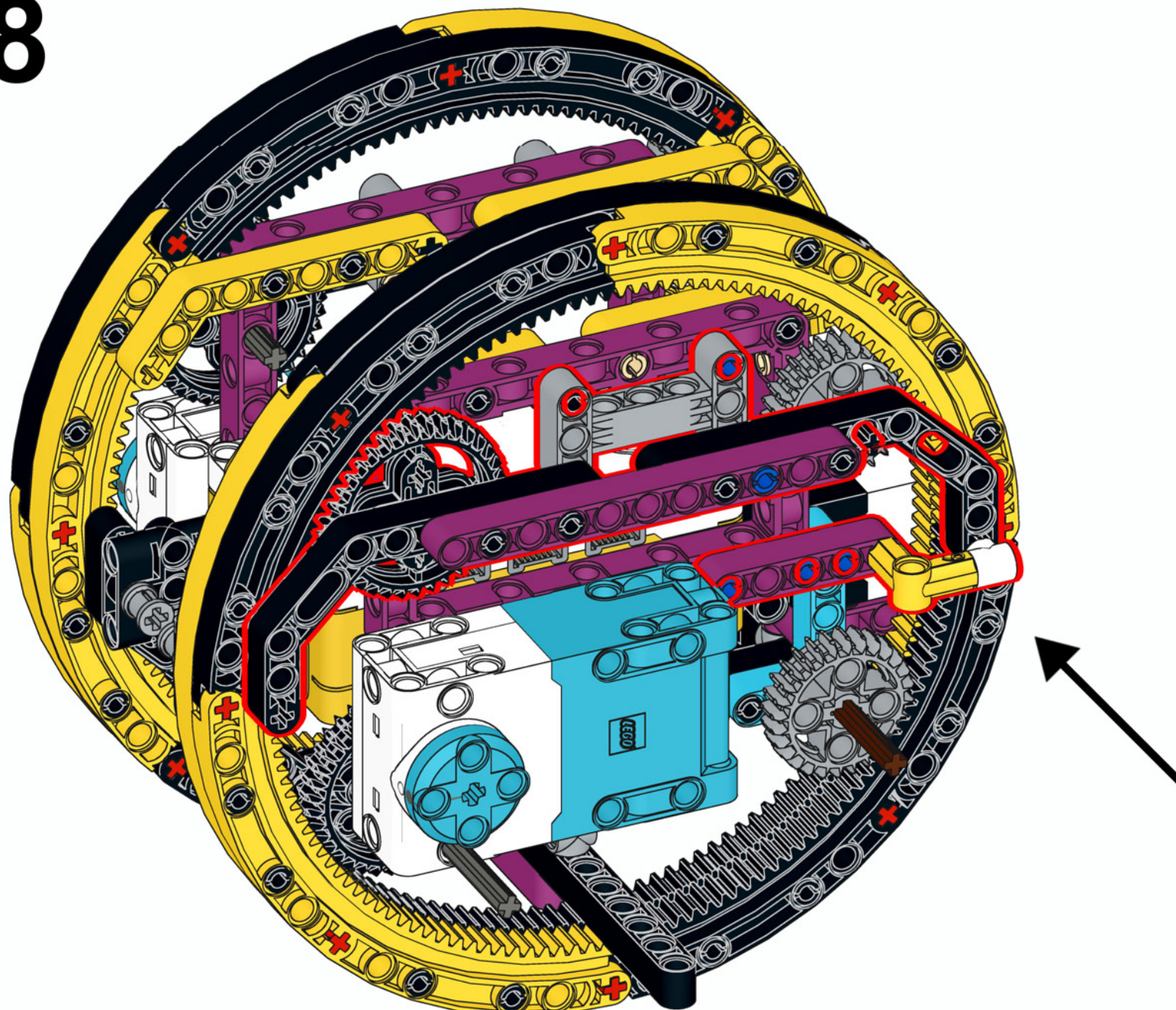
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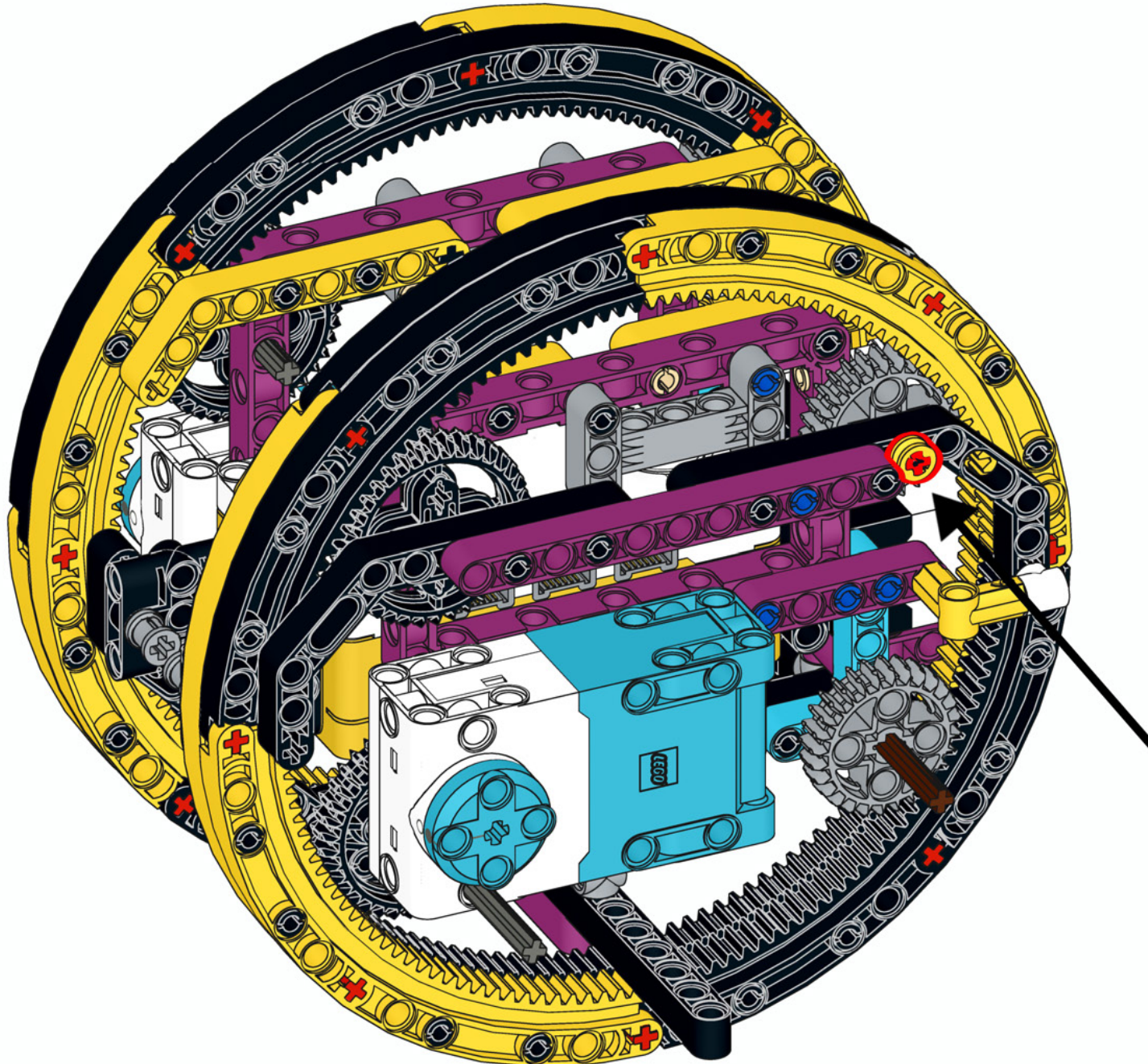
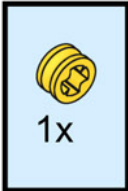
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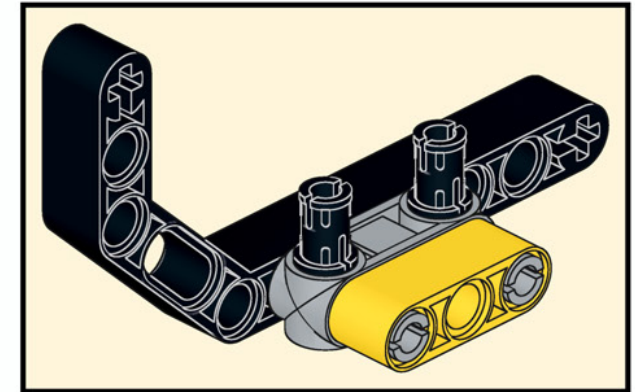
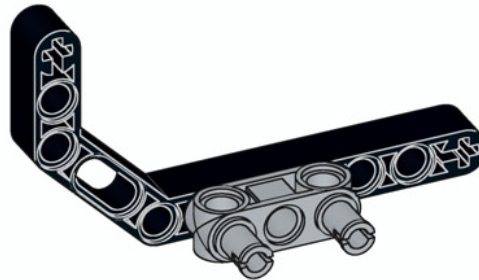
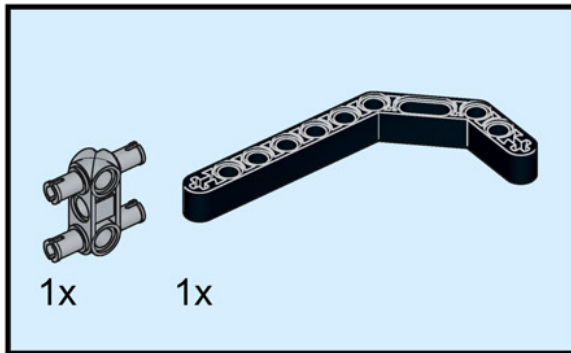
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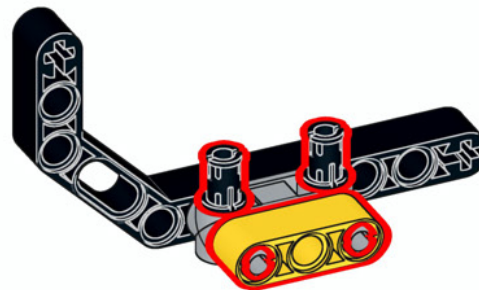
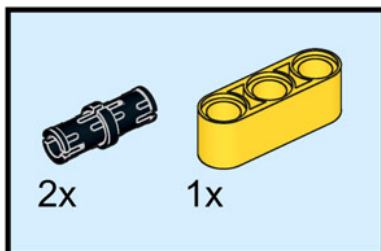
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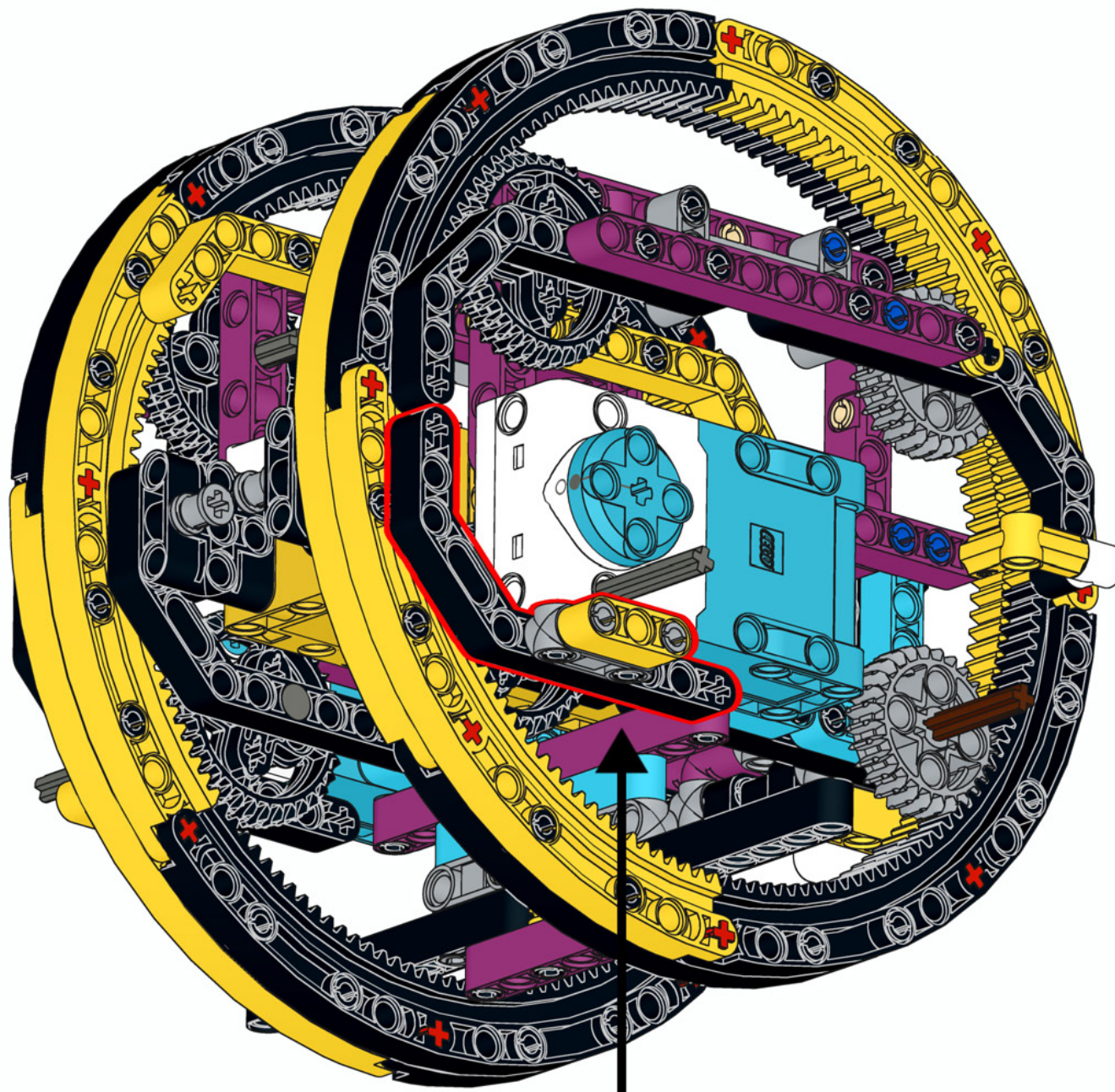
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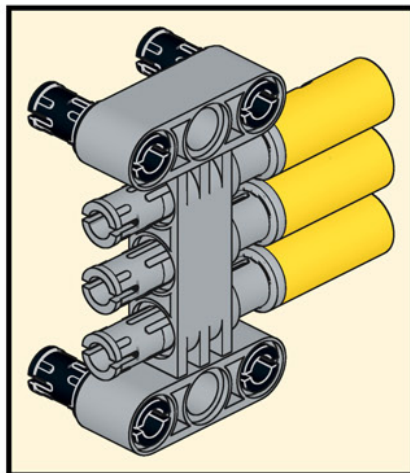
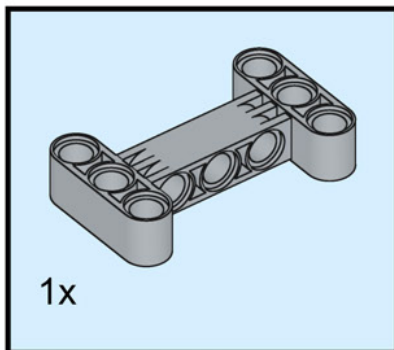
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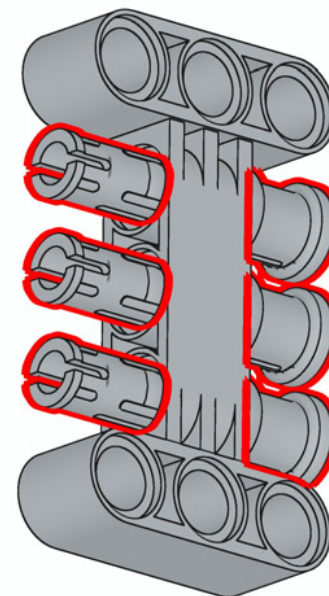
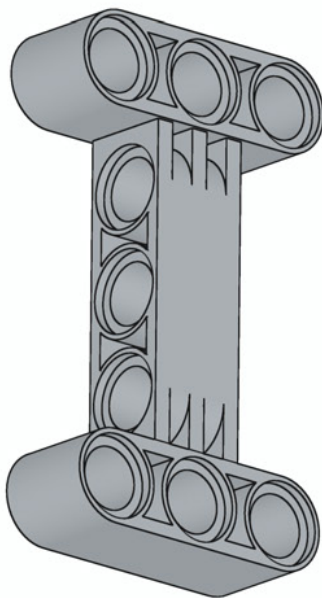
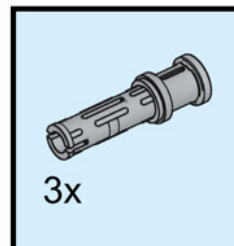
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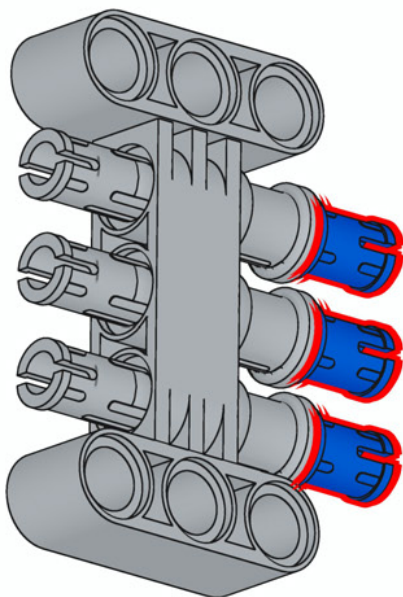
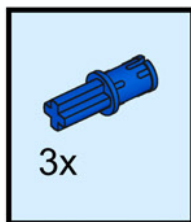
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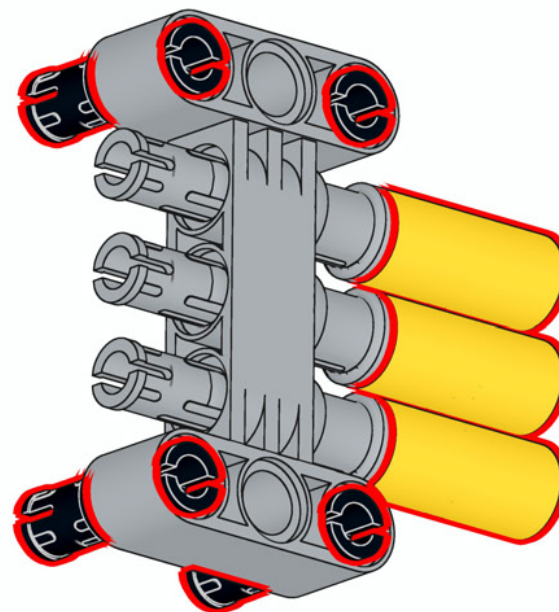
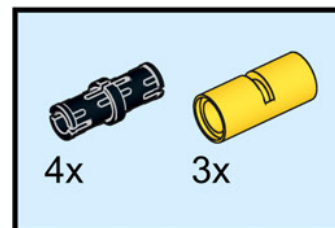
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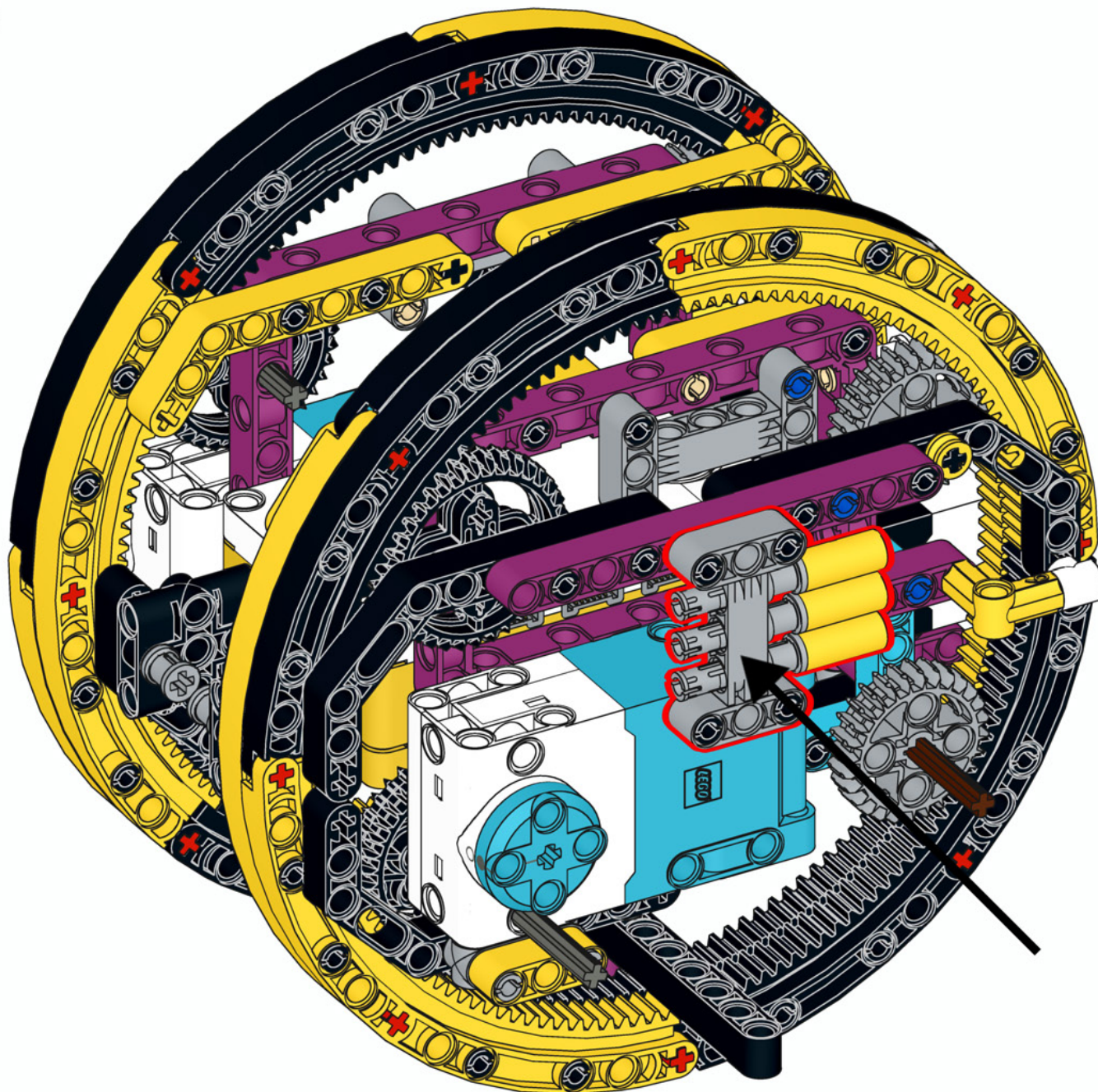
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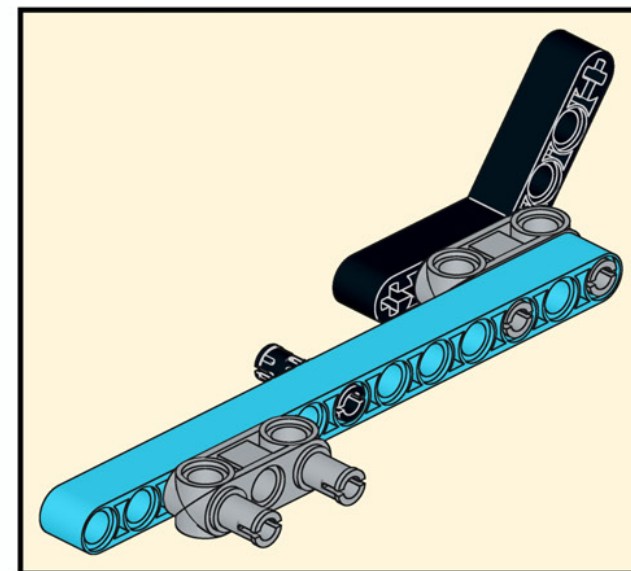
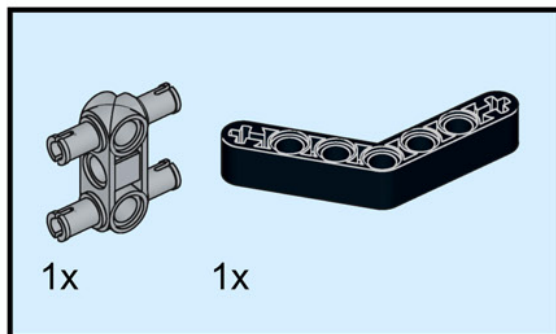
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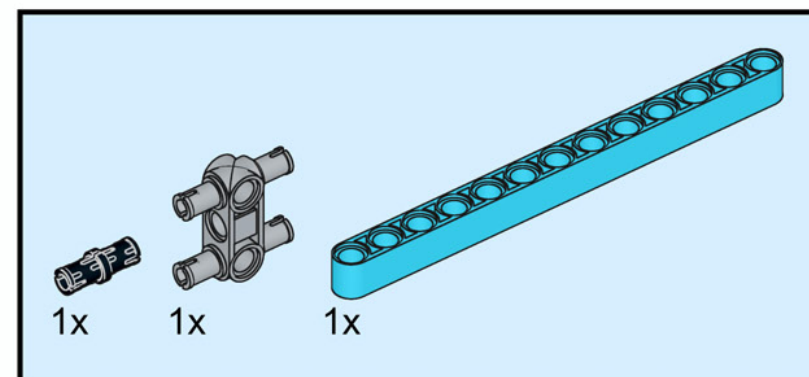
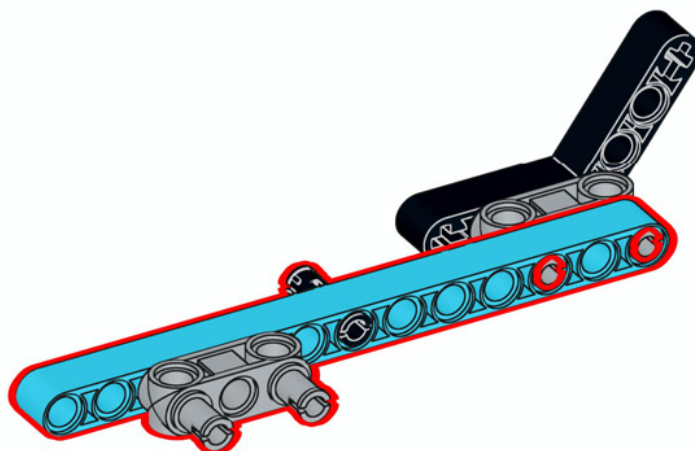
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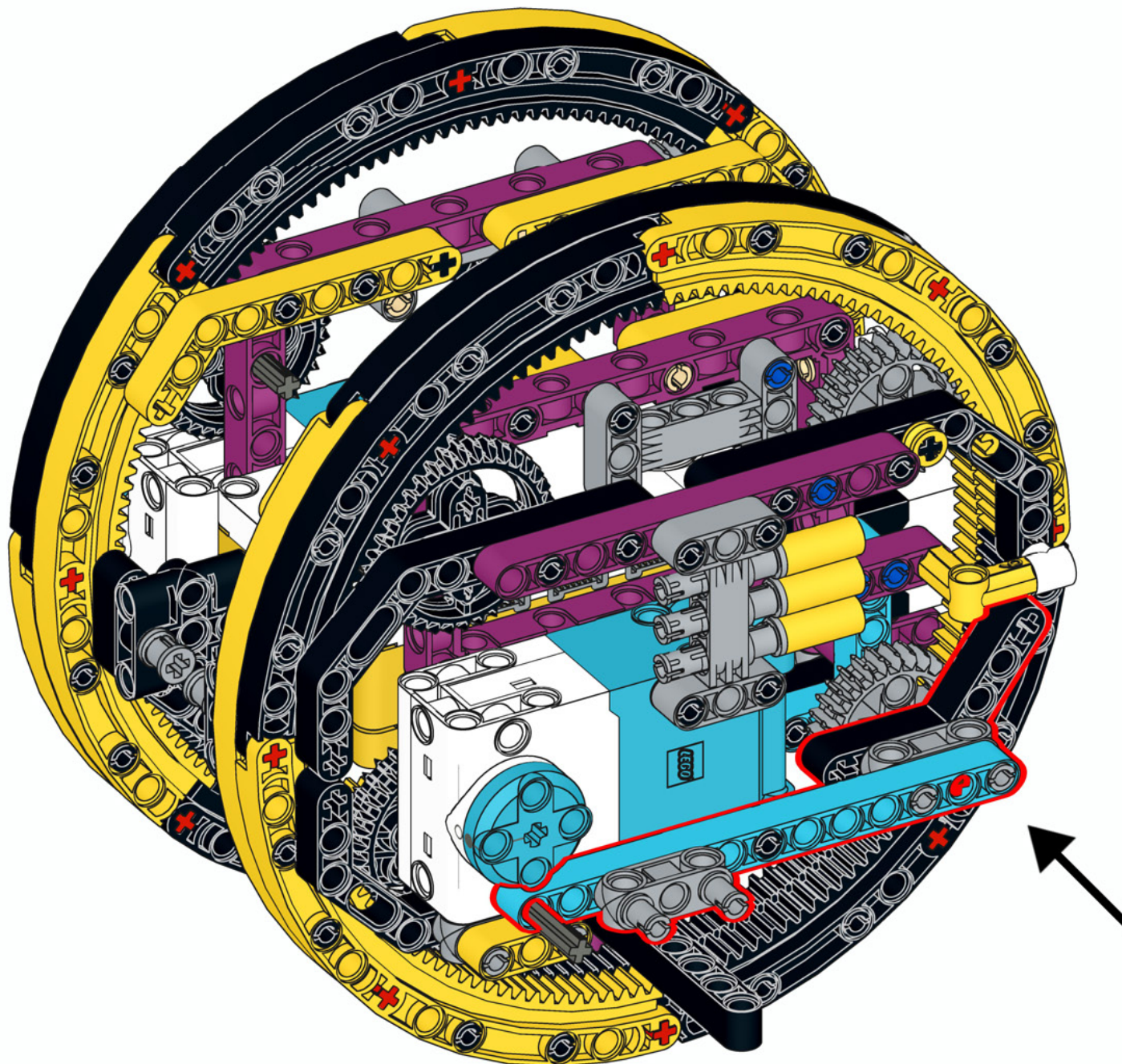
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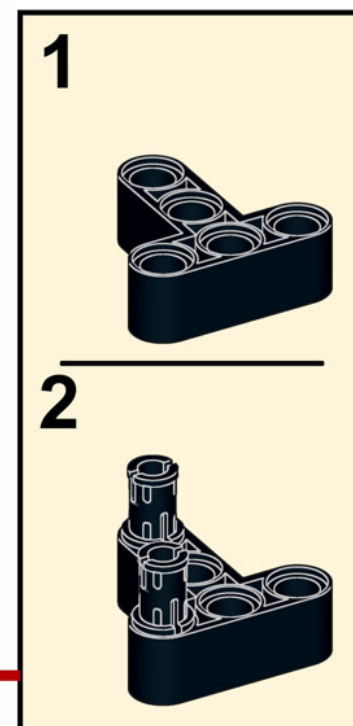
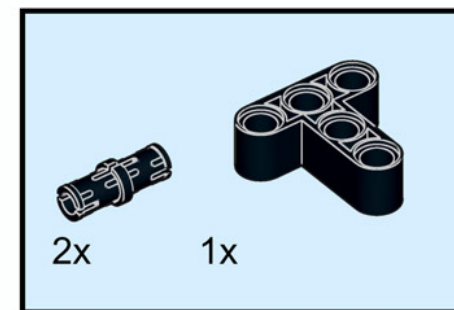
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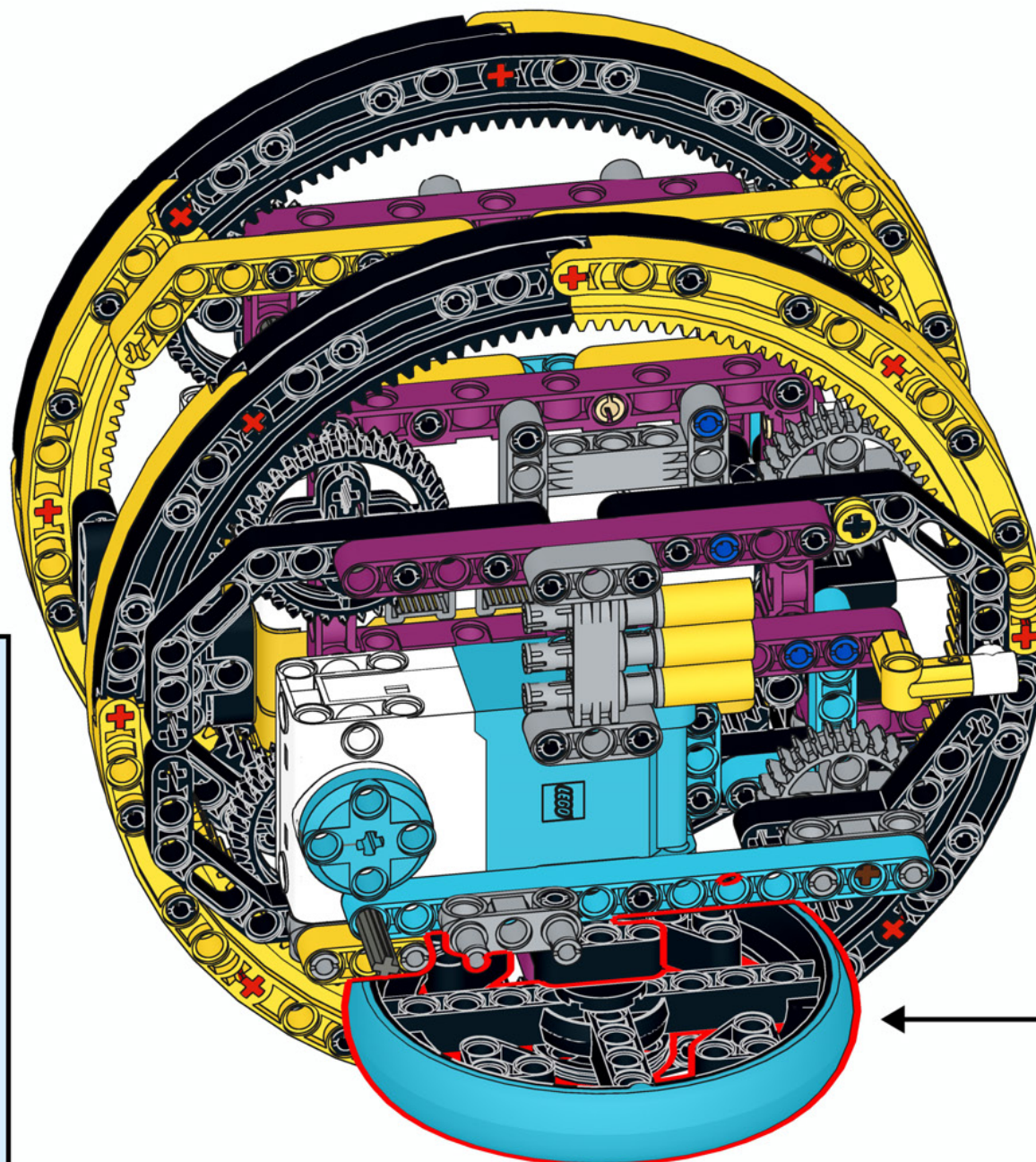
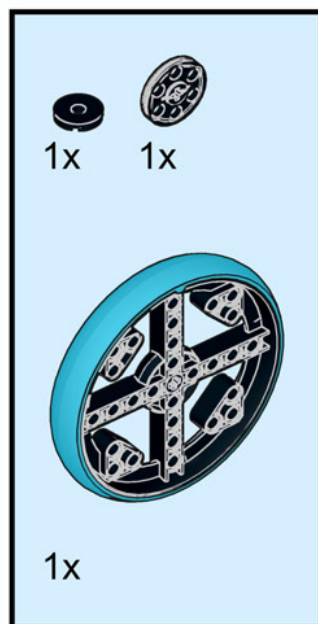
120



121



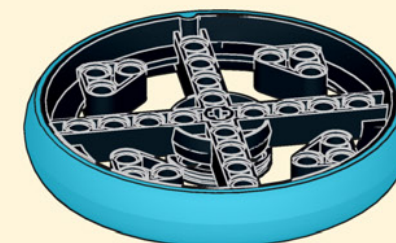
122



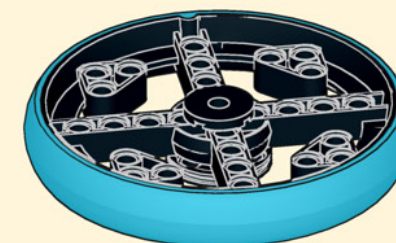
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2

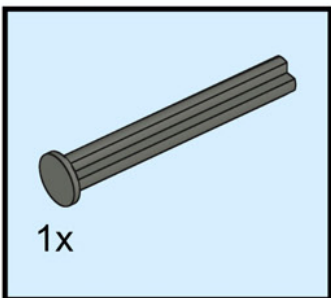
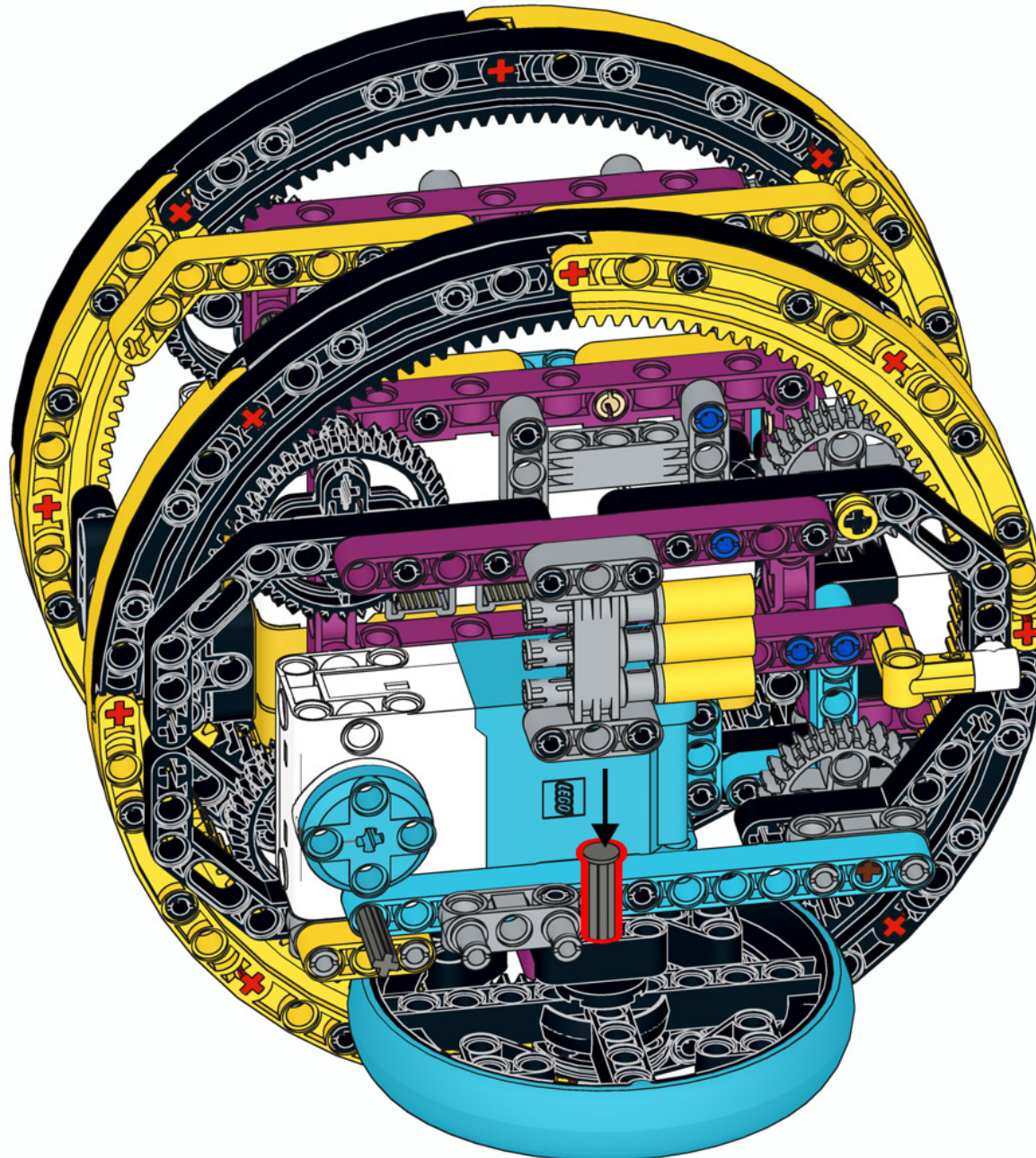


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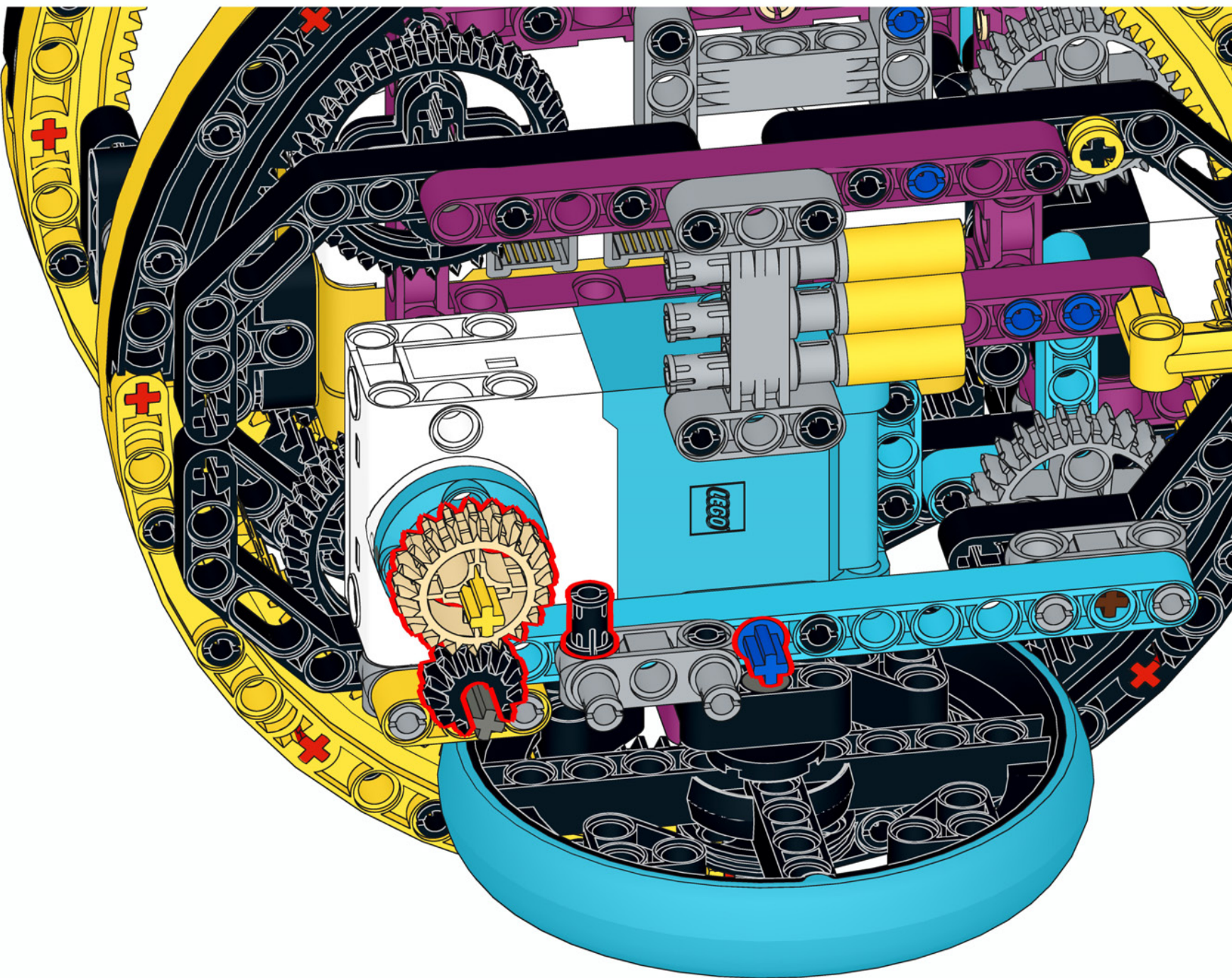
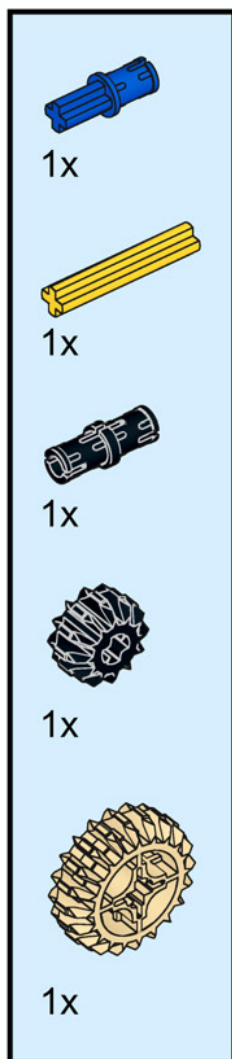


*These 3 loose parts are fixed with a axle in the next step.

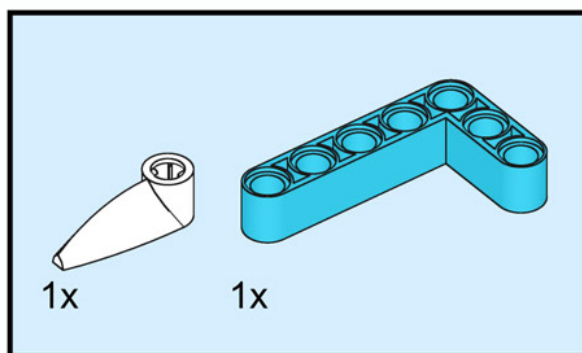
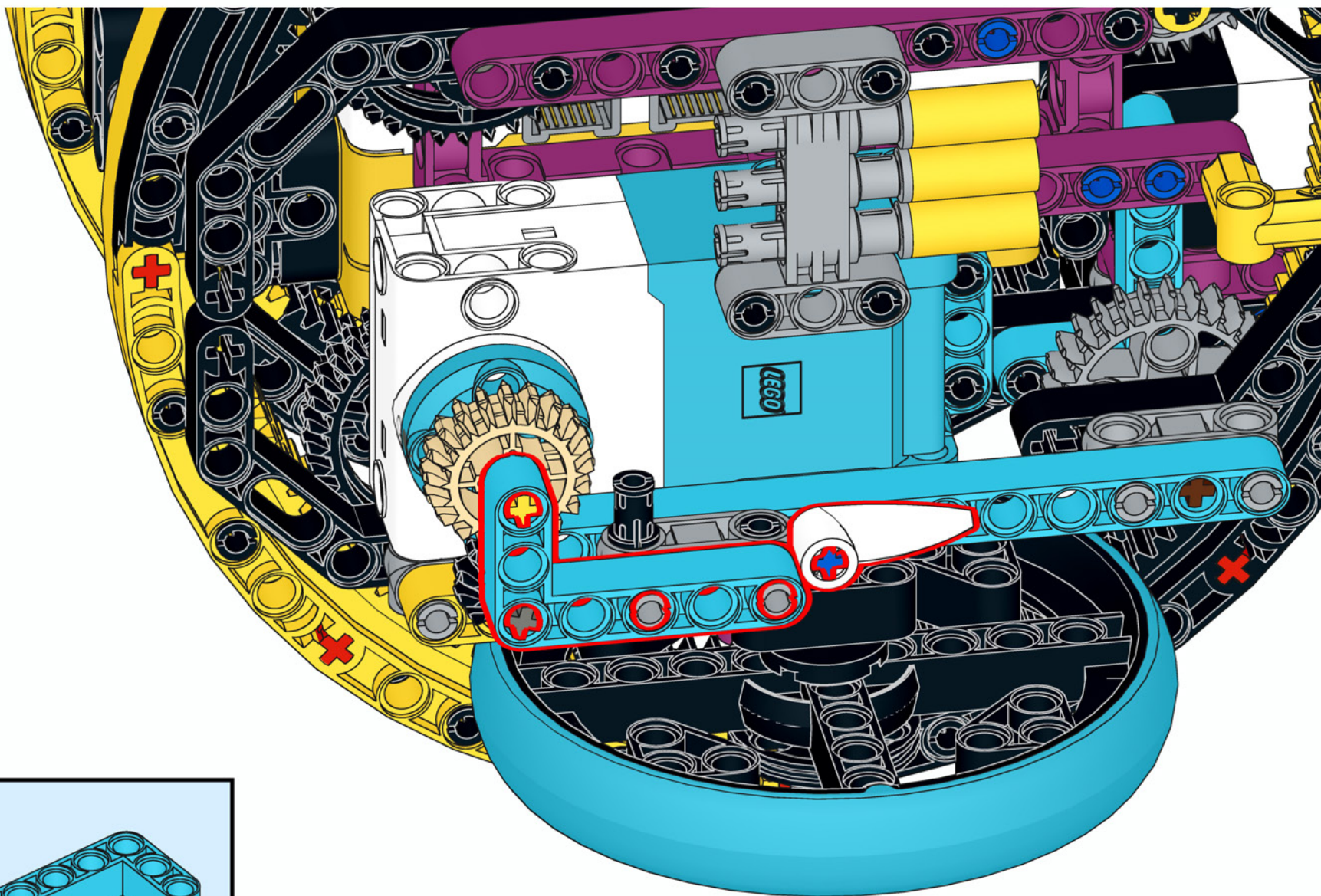
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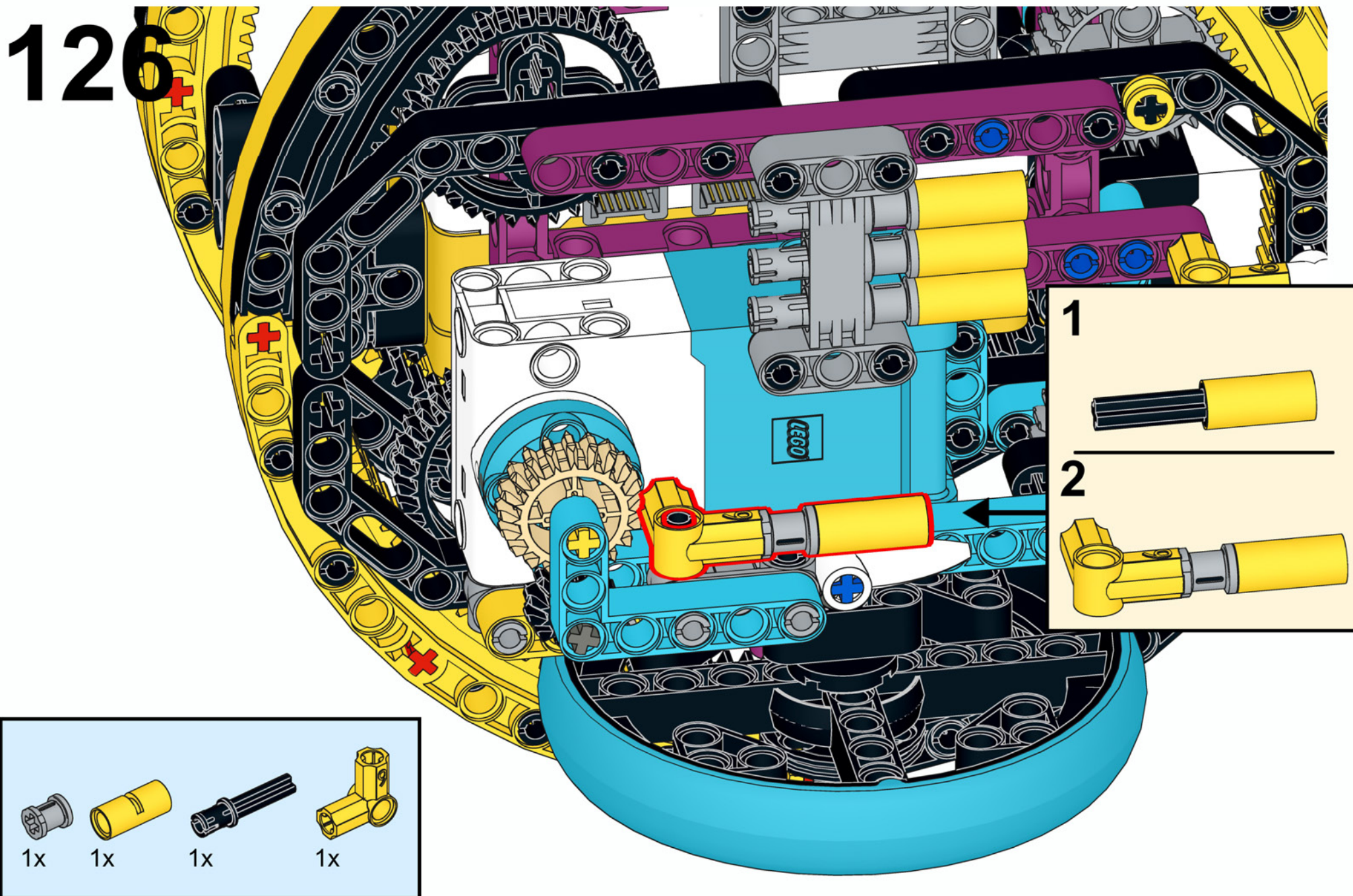


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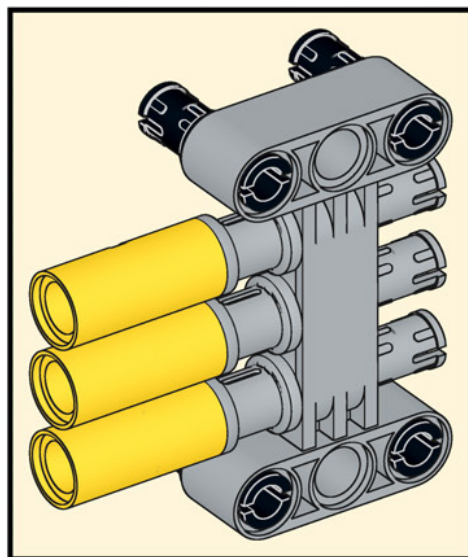
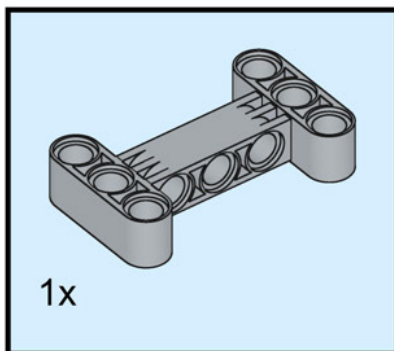


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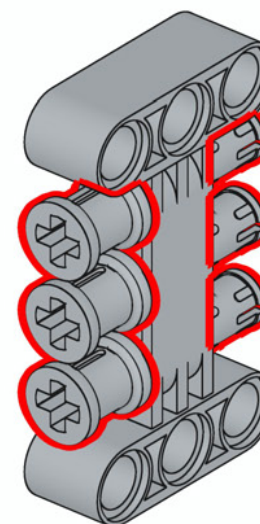
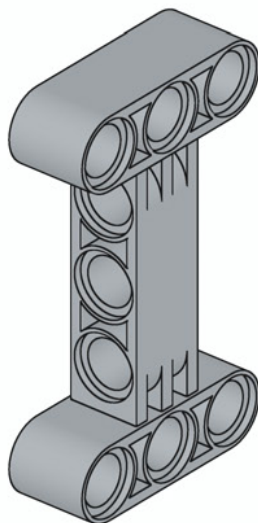
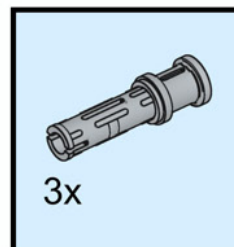




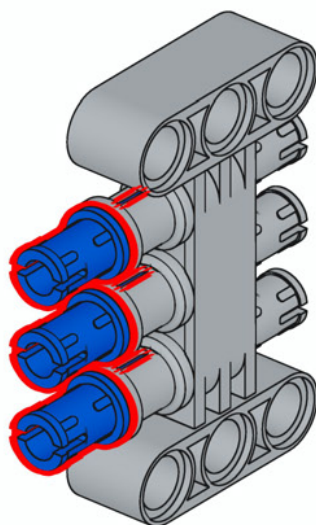
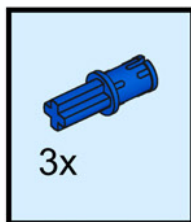
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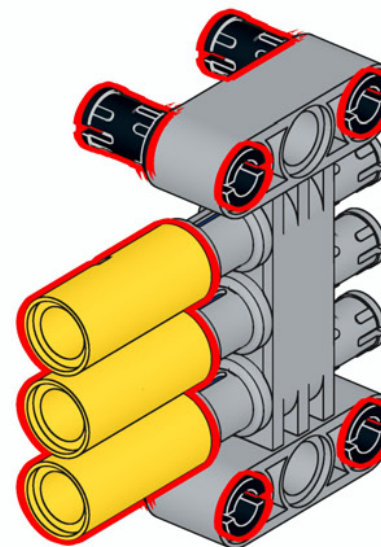
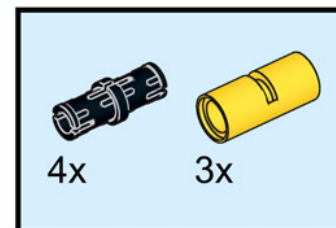
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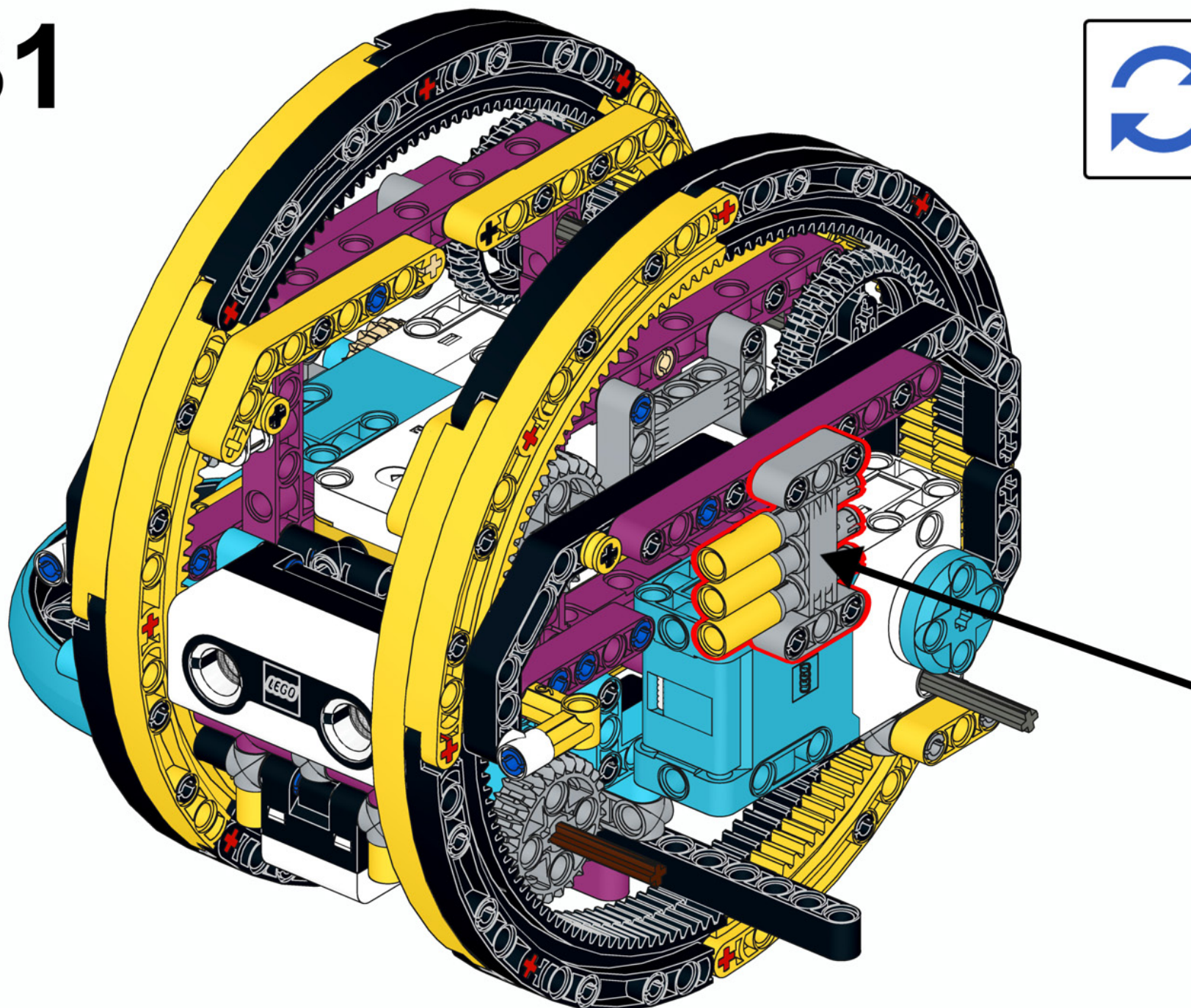
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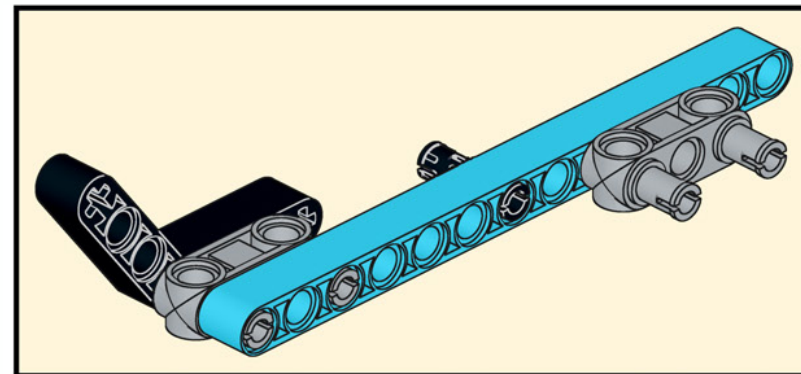
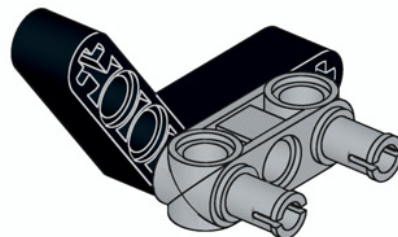
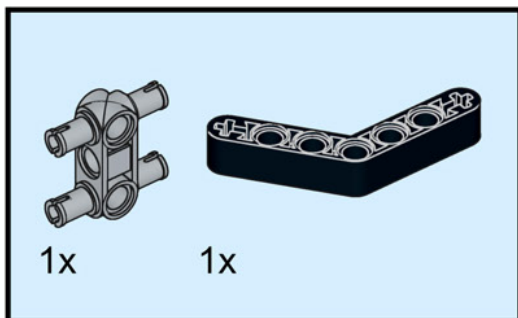
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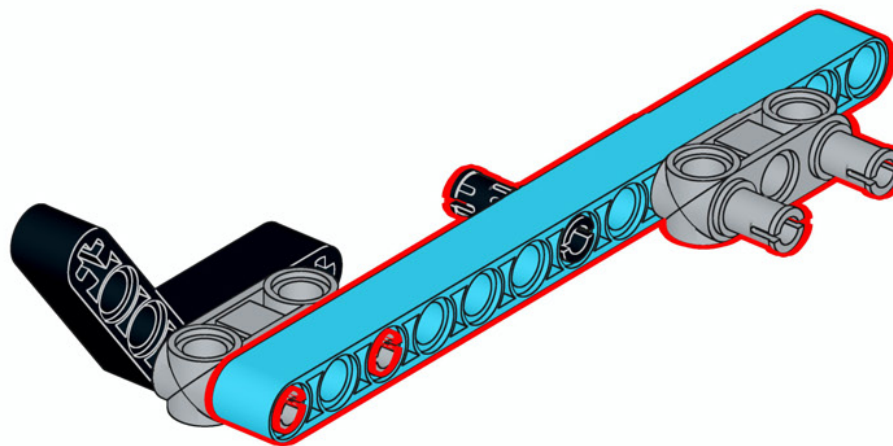
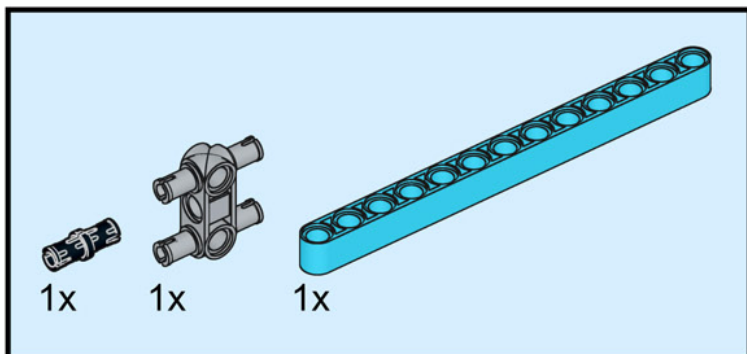
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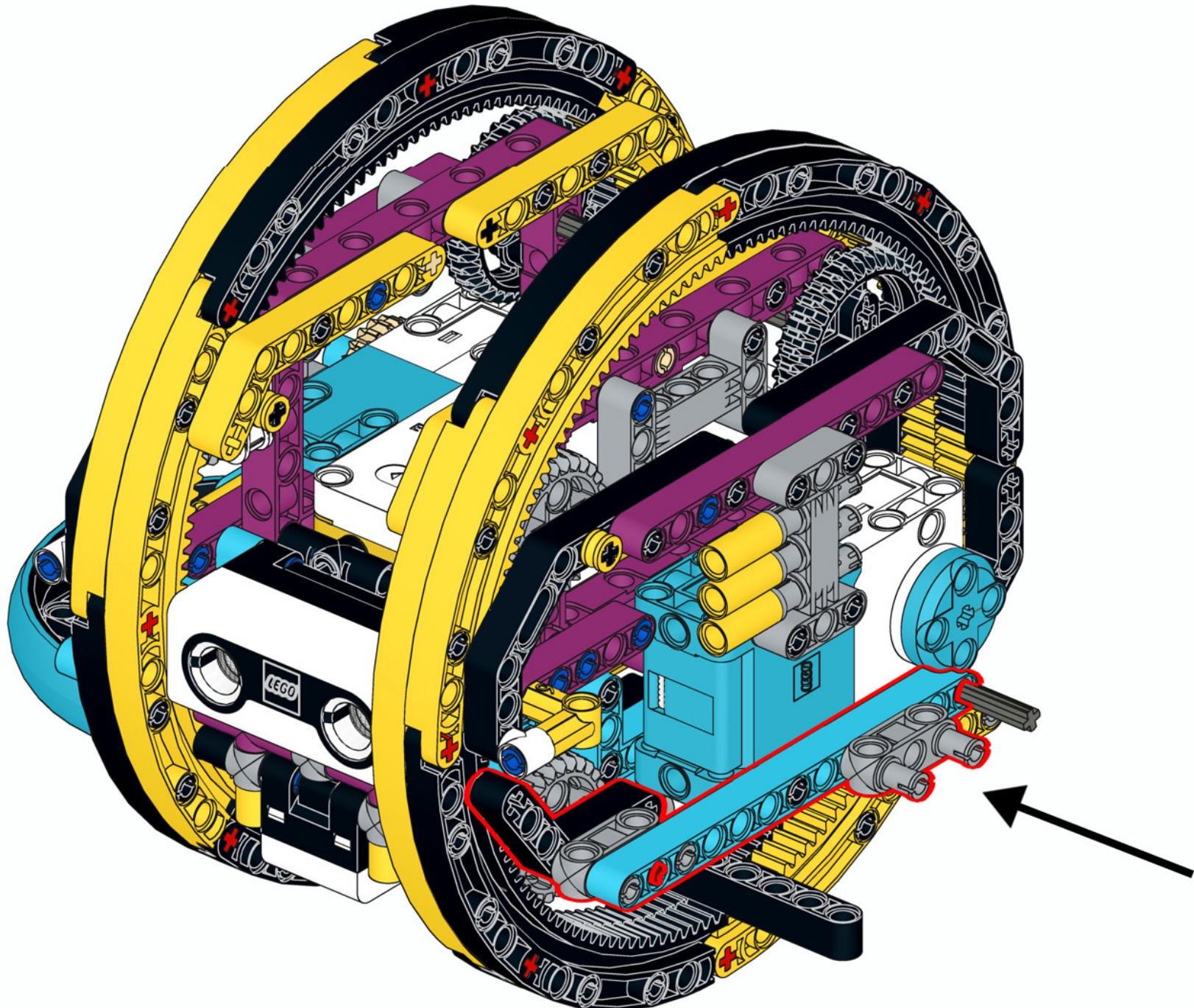
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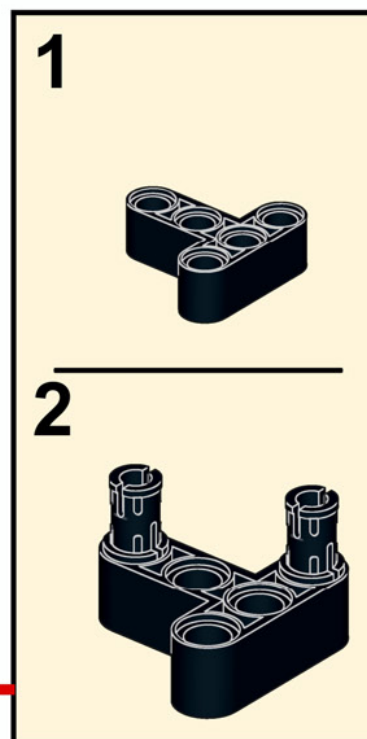
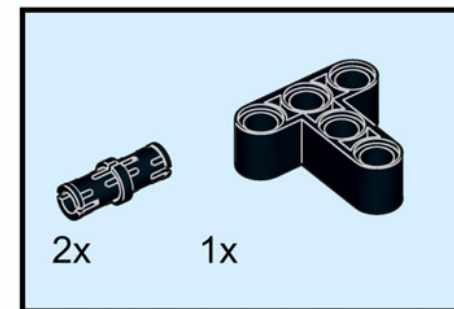
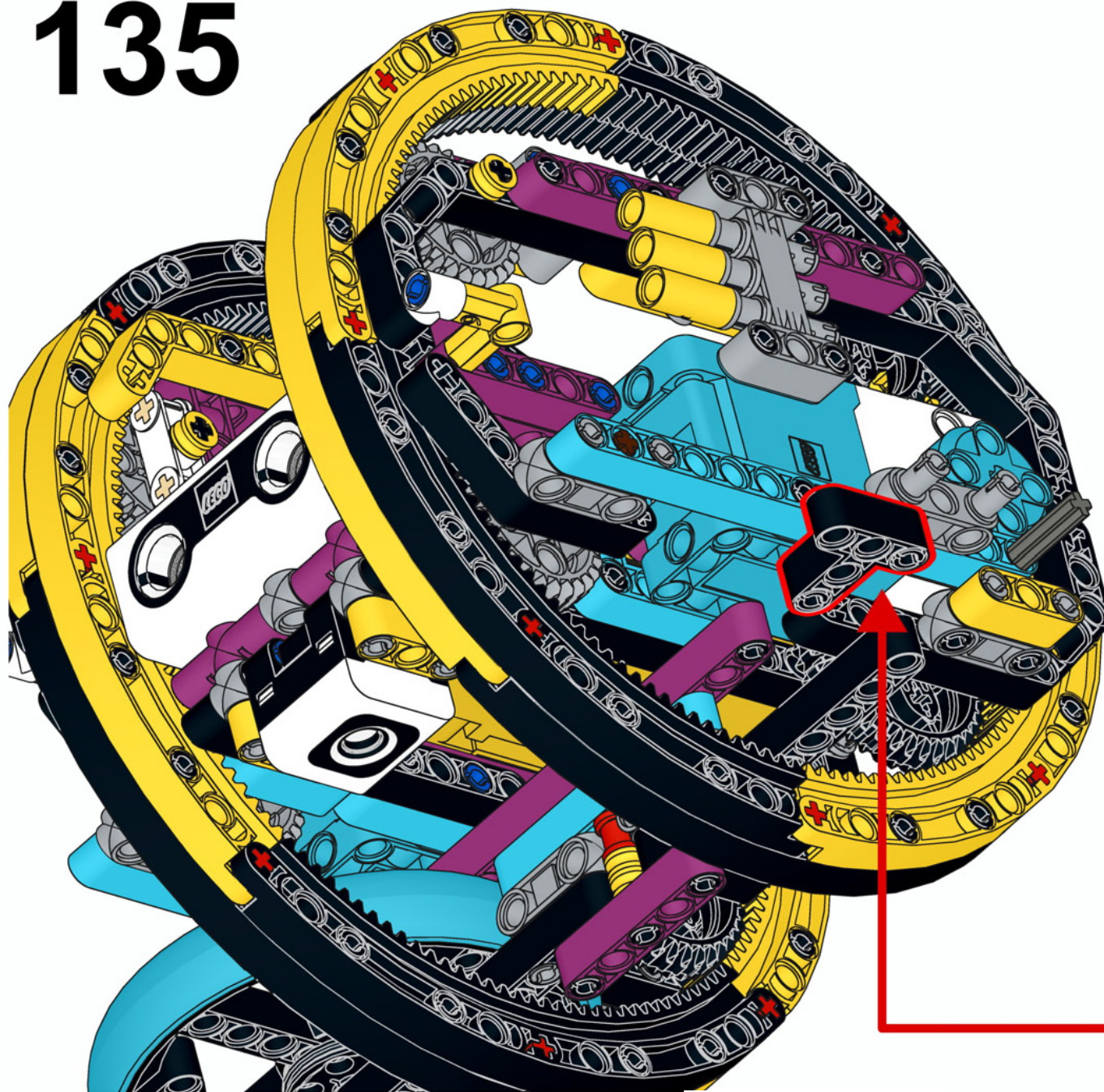
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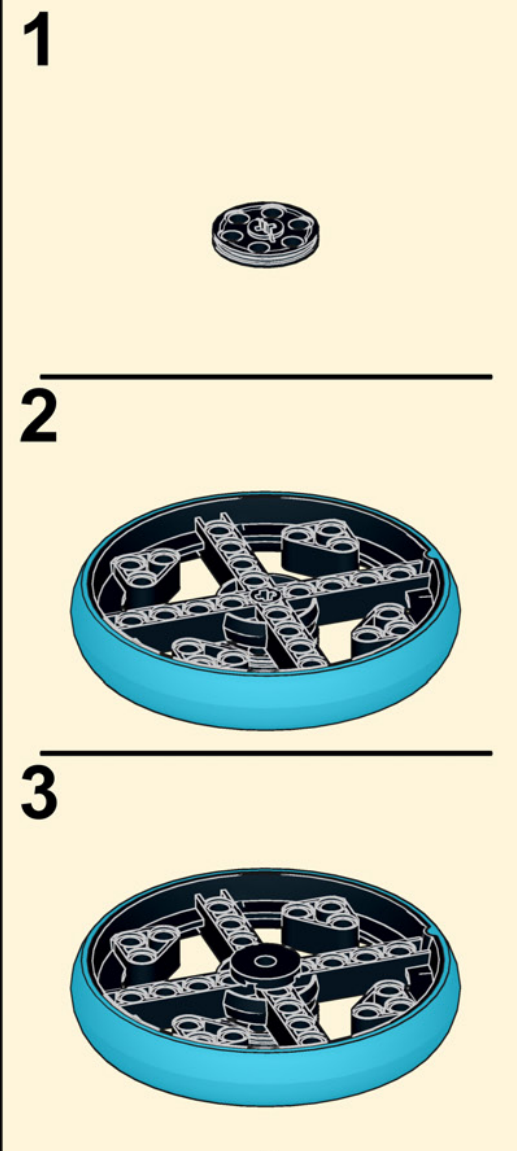
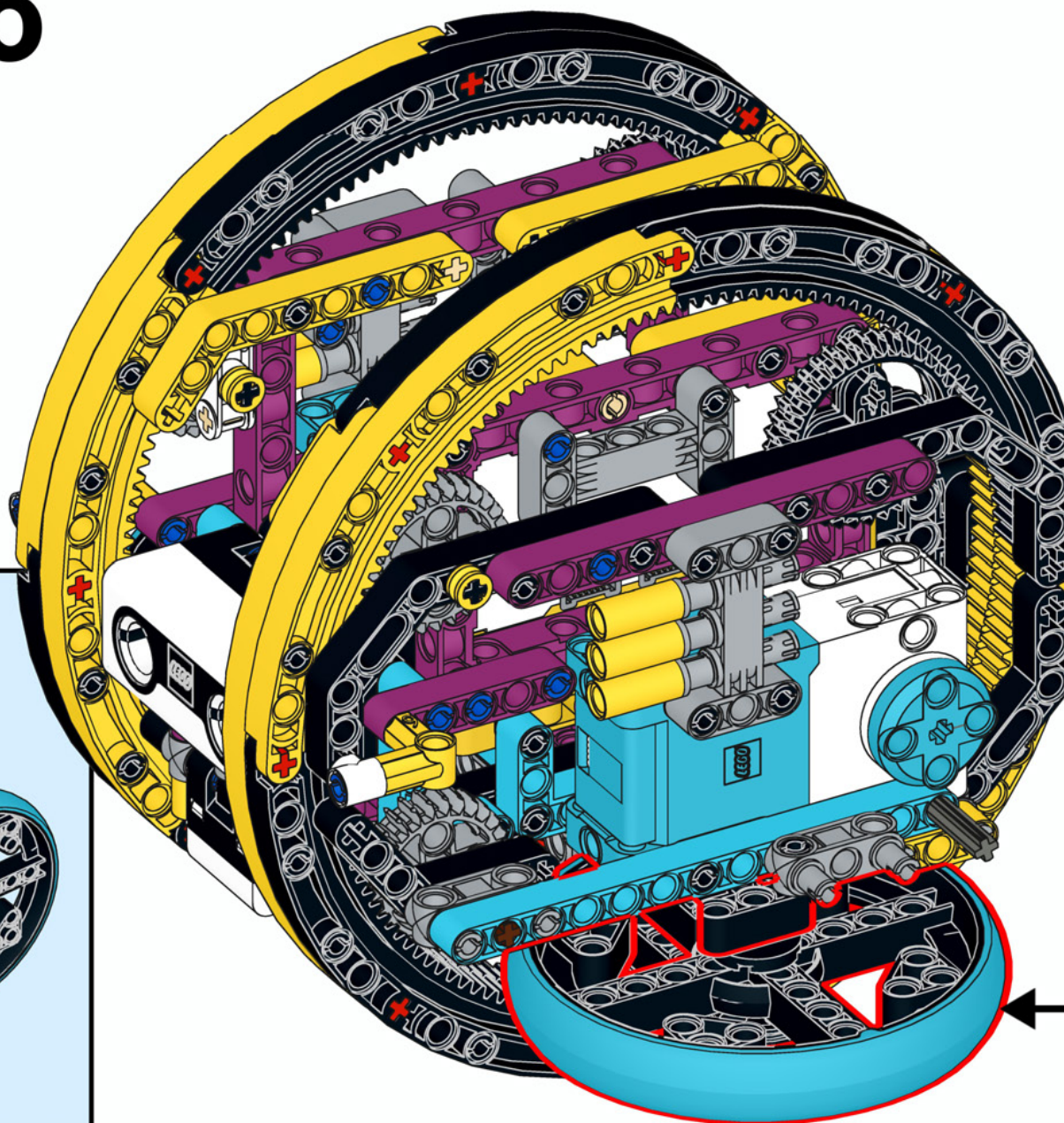
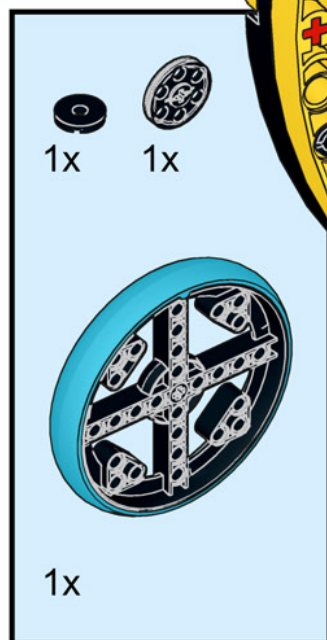
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135

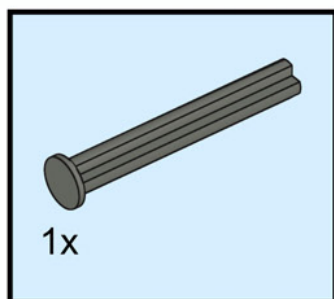
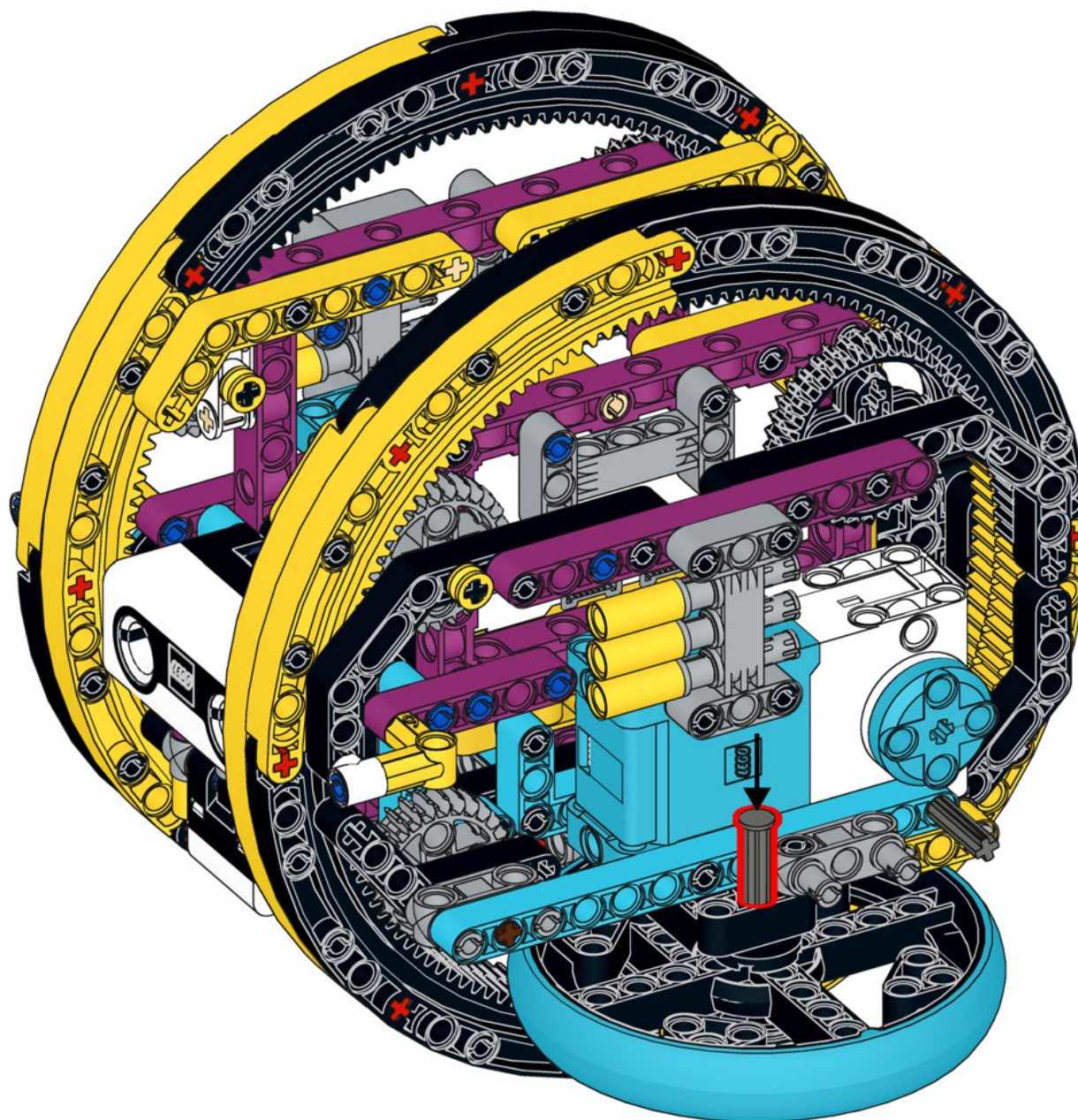


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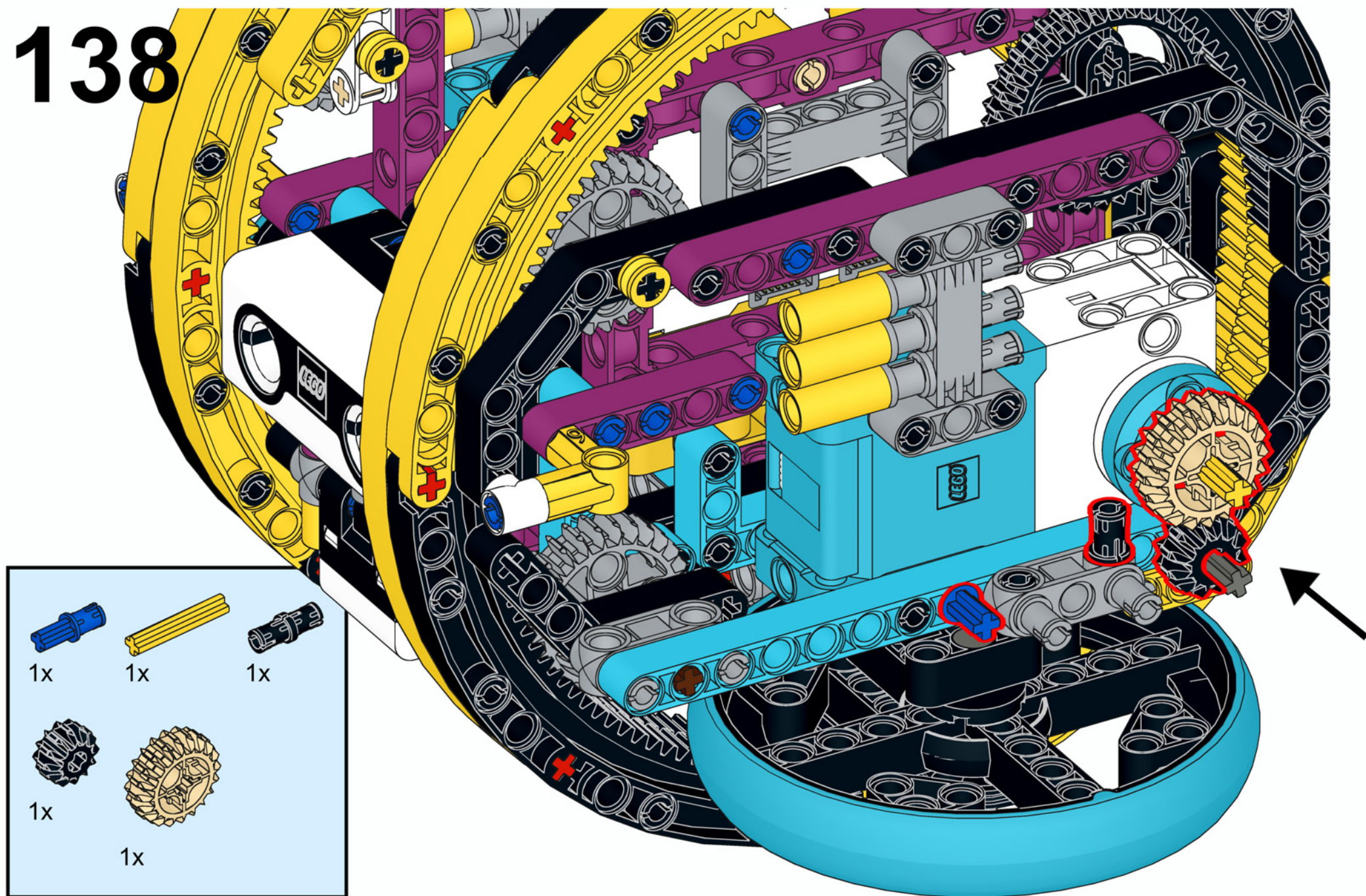


*These 3 loose parts are fixed with a axle in the next step.

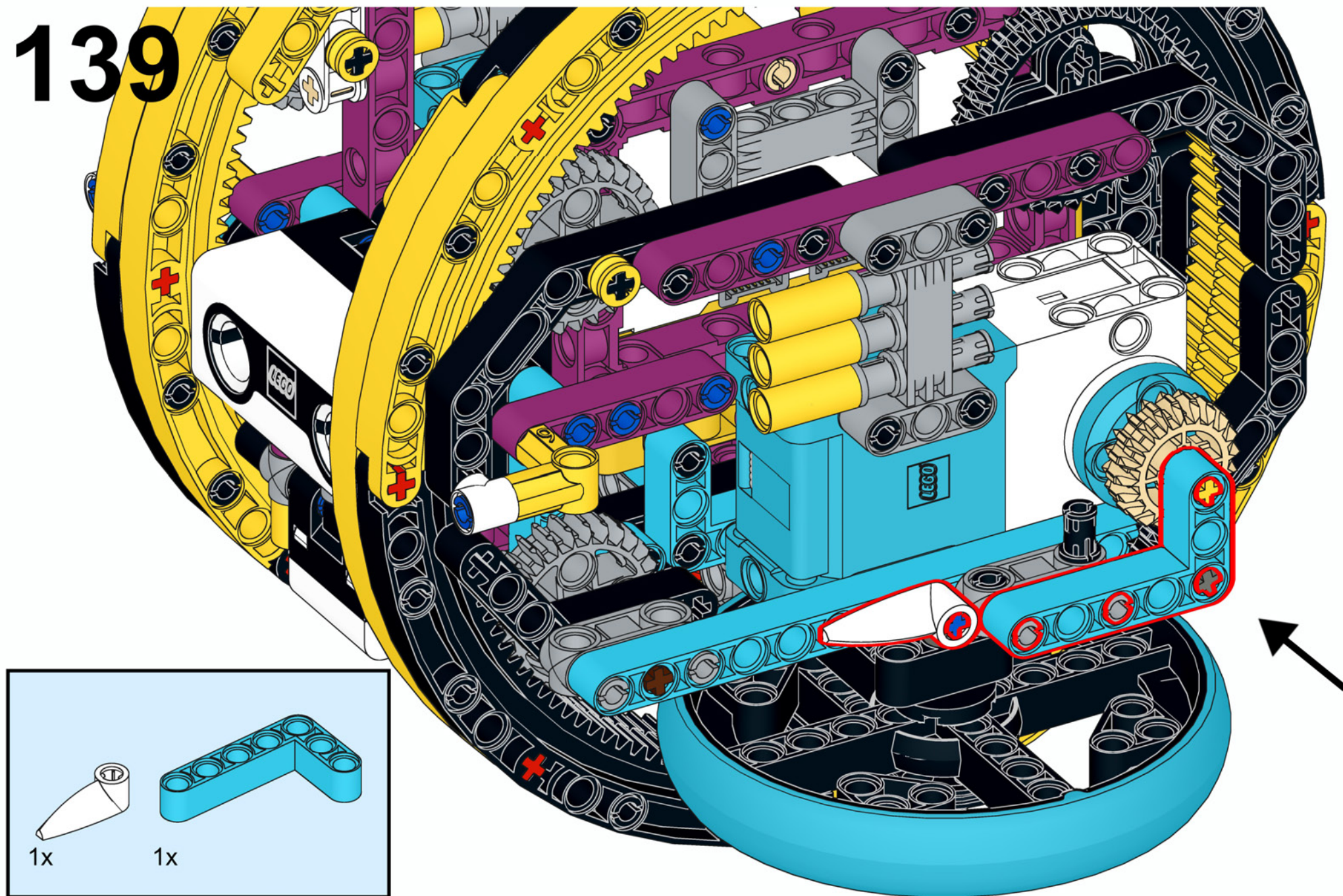
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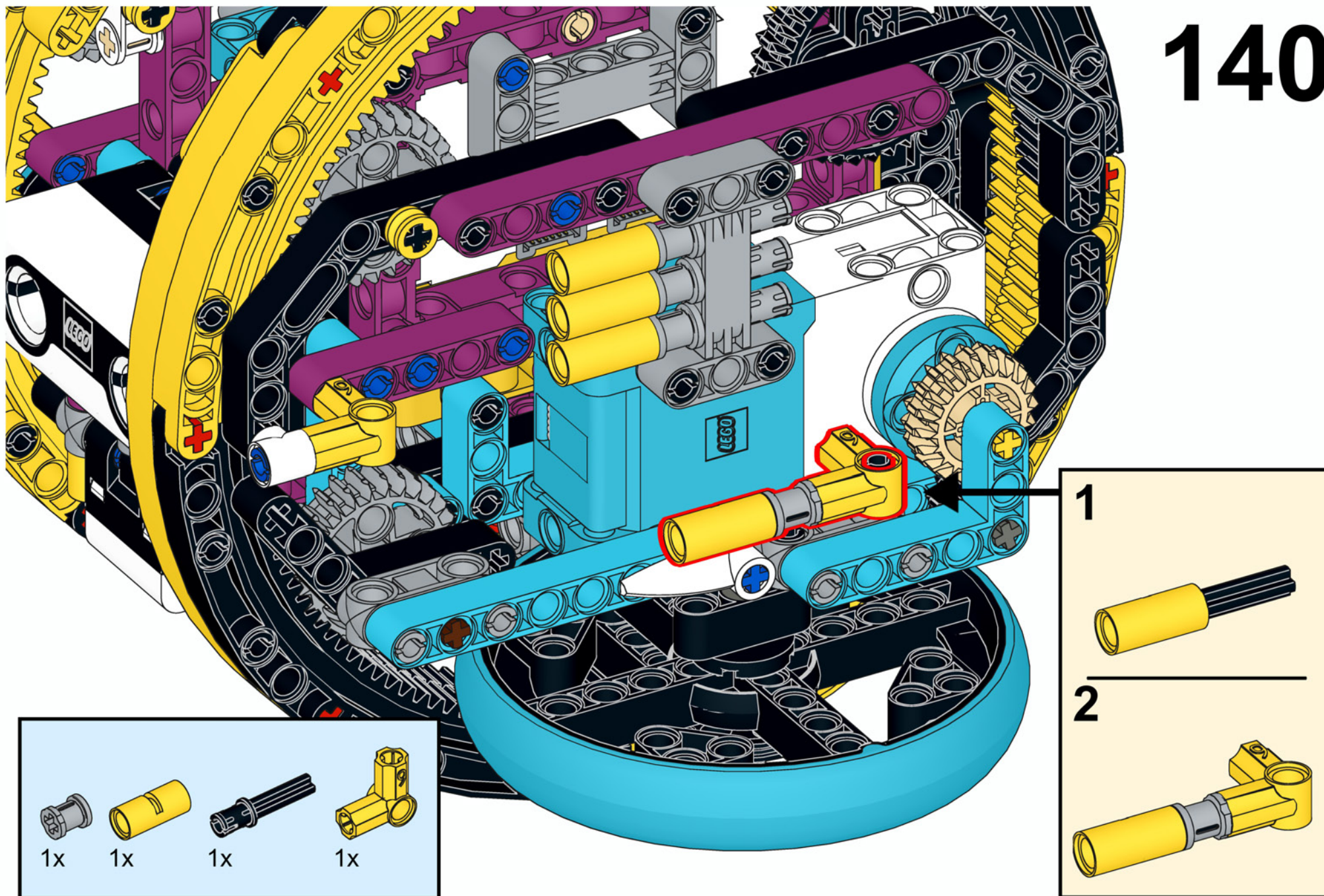
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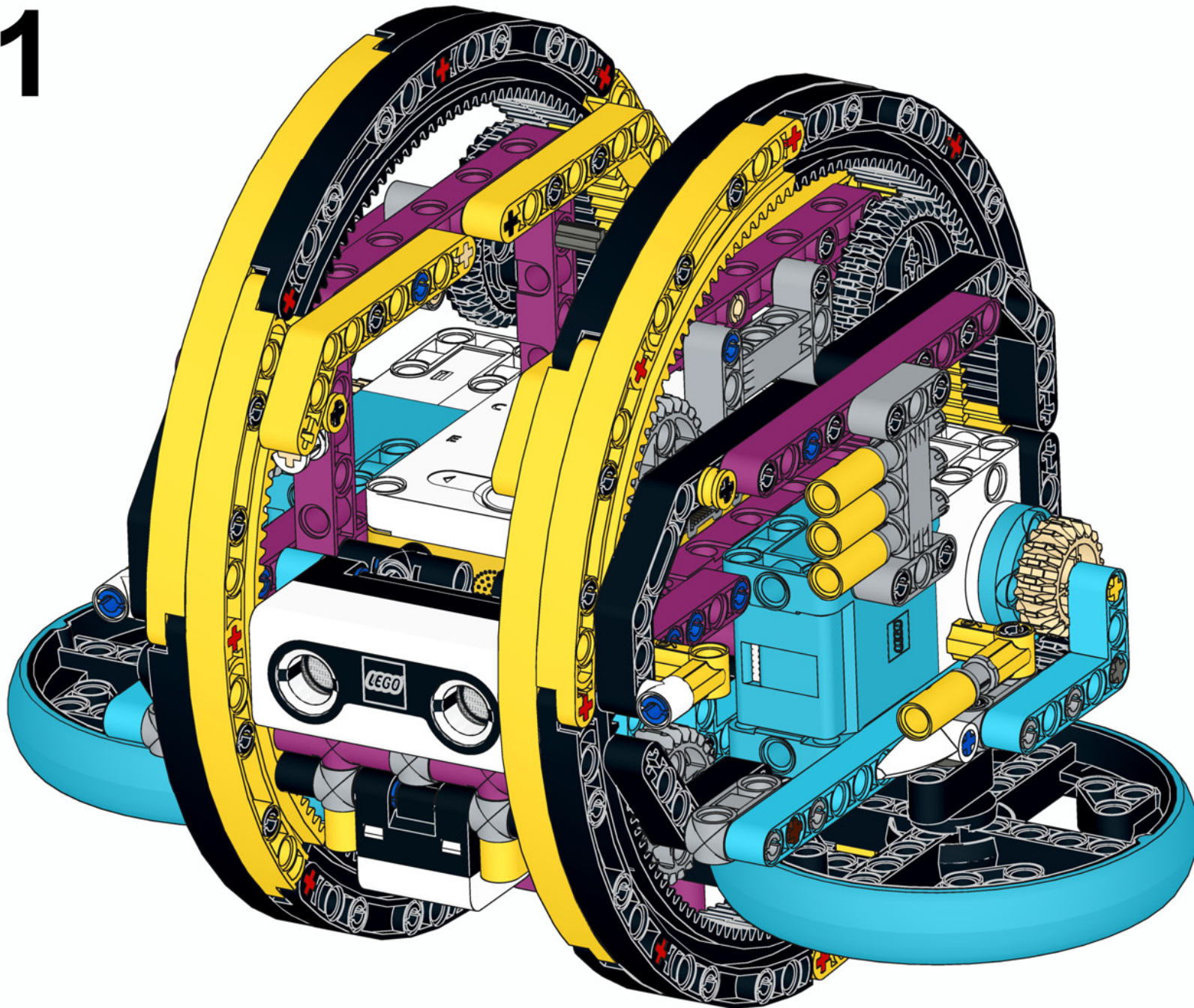
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140

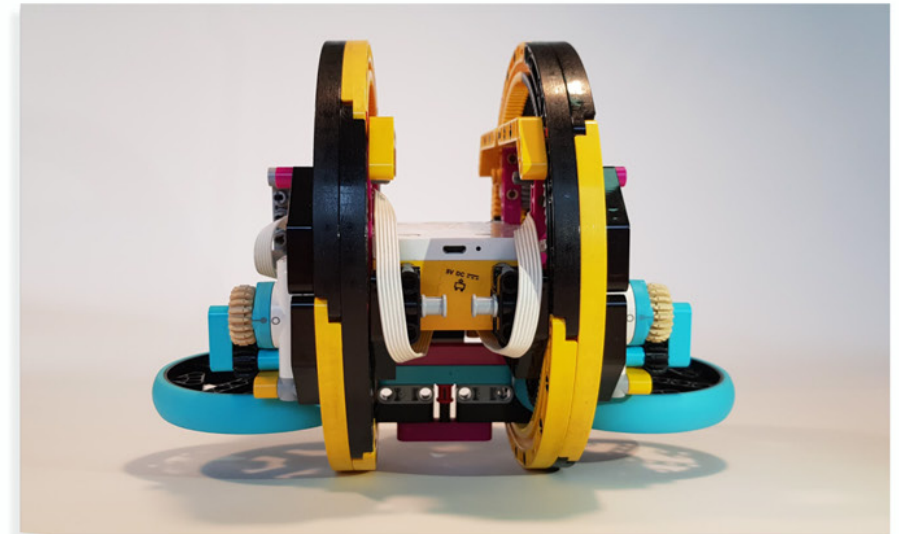
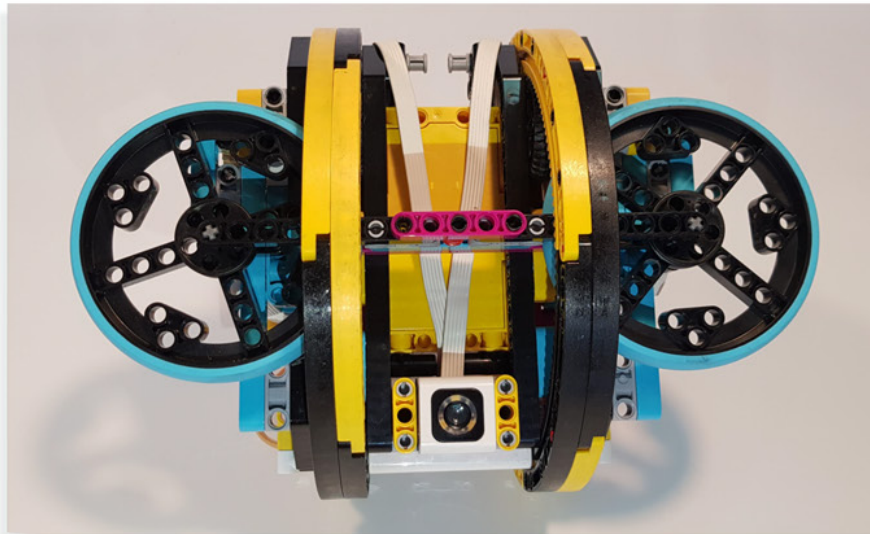
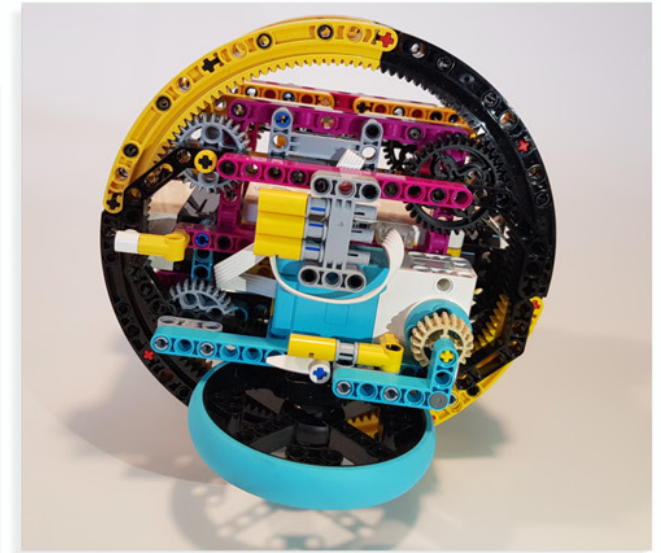
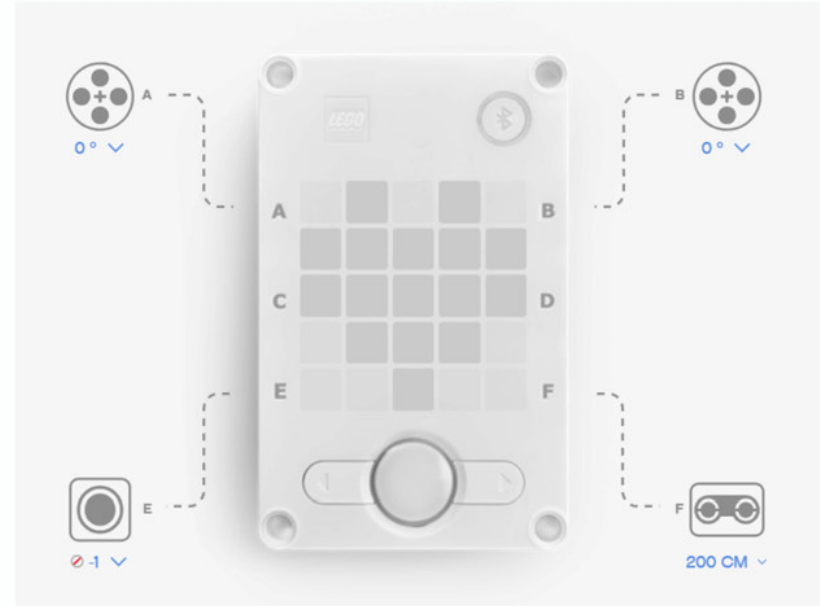
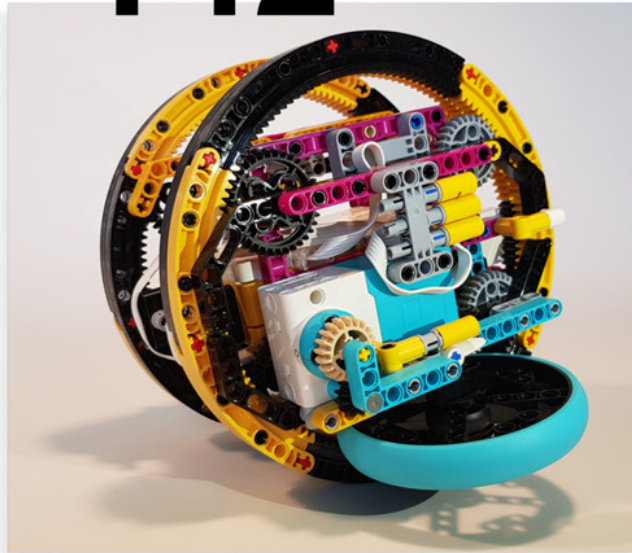


141



142 Wiring:

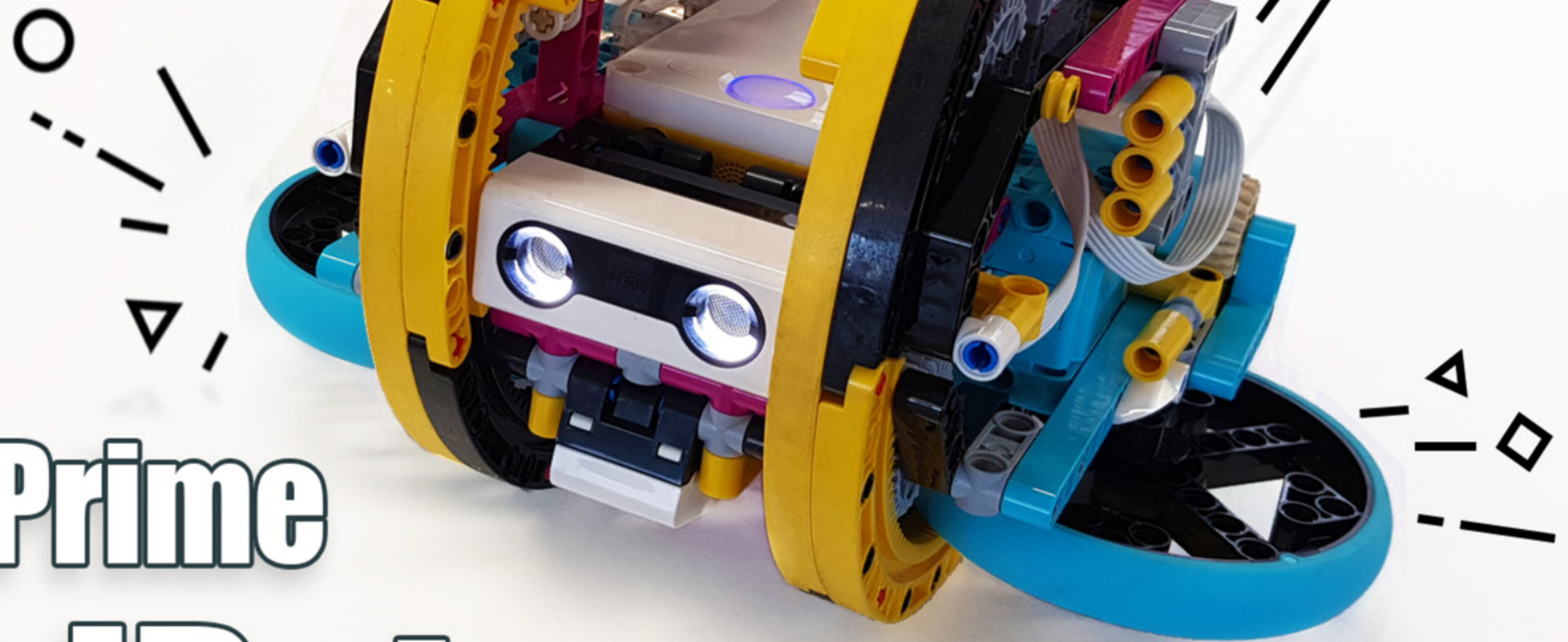
Demo program available at
www.legostudiovives.be/bouwideeen



143

Make a video of your Spike SwirlBot and share it on YouTube or FaceBook!

#SpikeSwirlBotWorldTour



SPIKE Prime SwirlBot By Dimi

Parts list:



2x



8x
24121, 11



8x
32009, 11



4x
40490, 11



4x
32498, 11



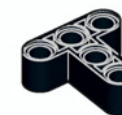
2x
32348, 11



2x
4185, 11



4x
39793, 11



2x
60484, 11



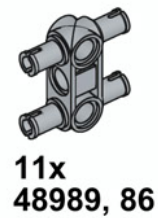
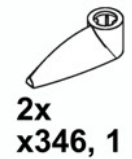
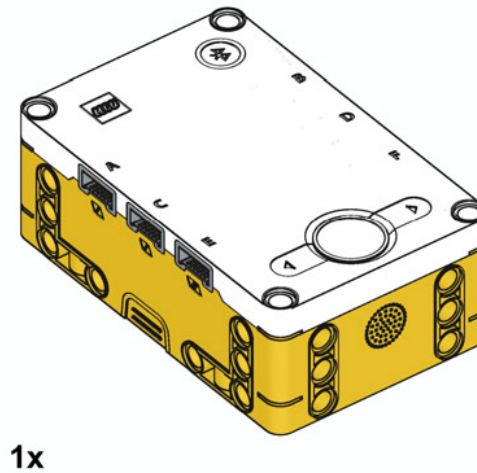
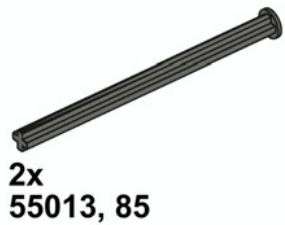
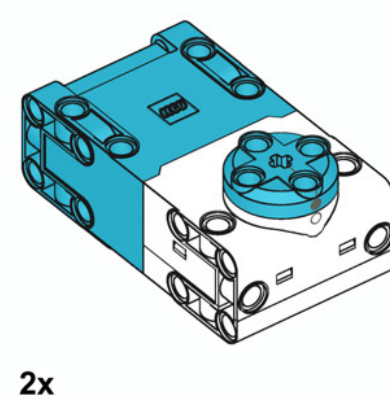
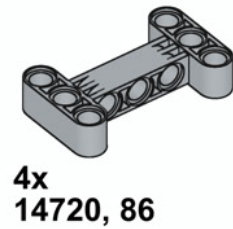
2x
3705, 11

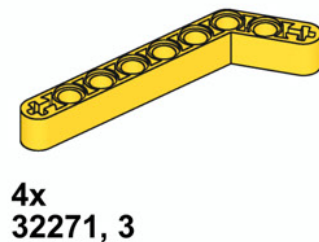
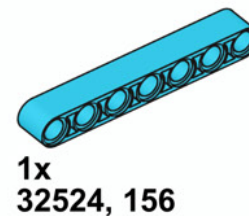
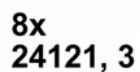
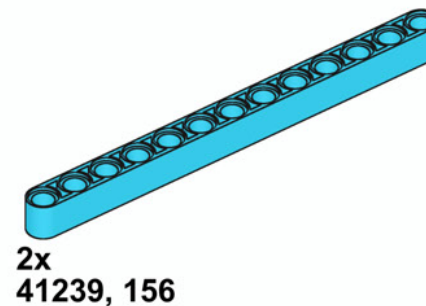
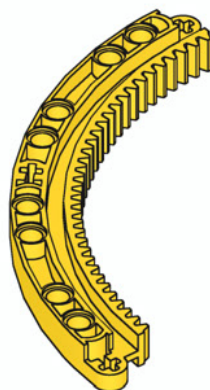
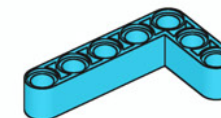
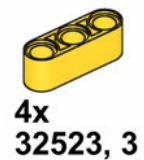
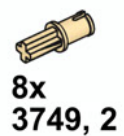


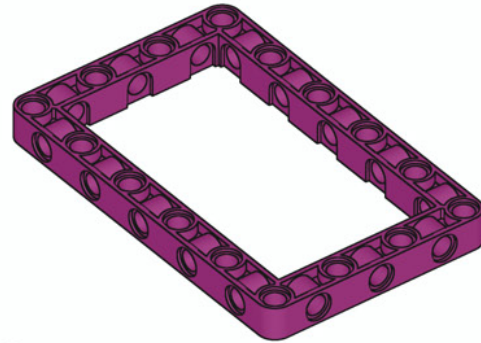
5x
18651, 11



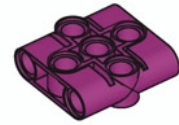
2x
15535, 11



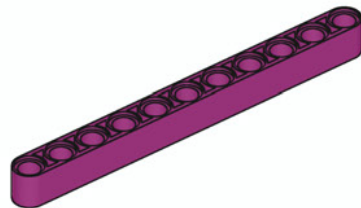




2x
39794, 71



2x
39793, 71



3x
32525, 71



5x
32316, 71

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