



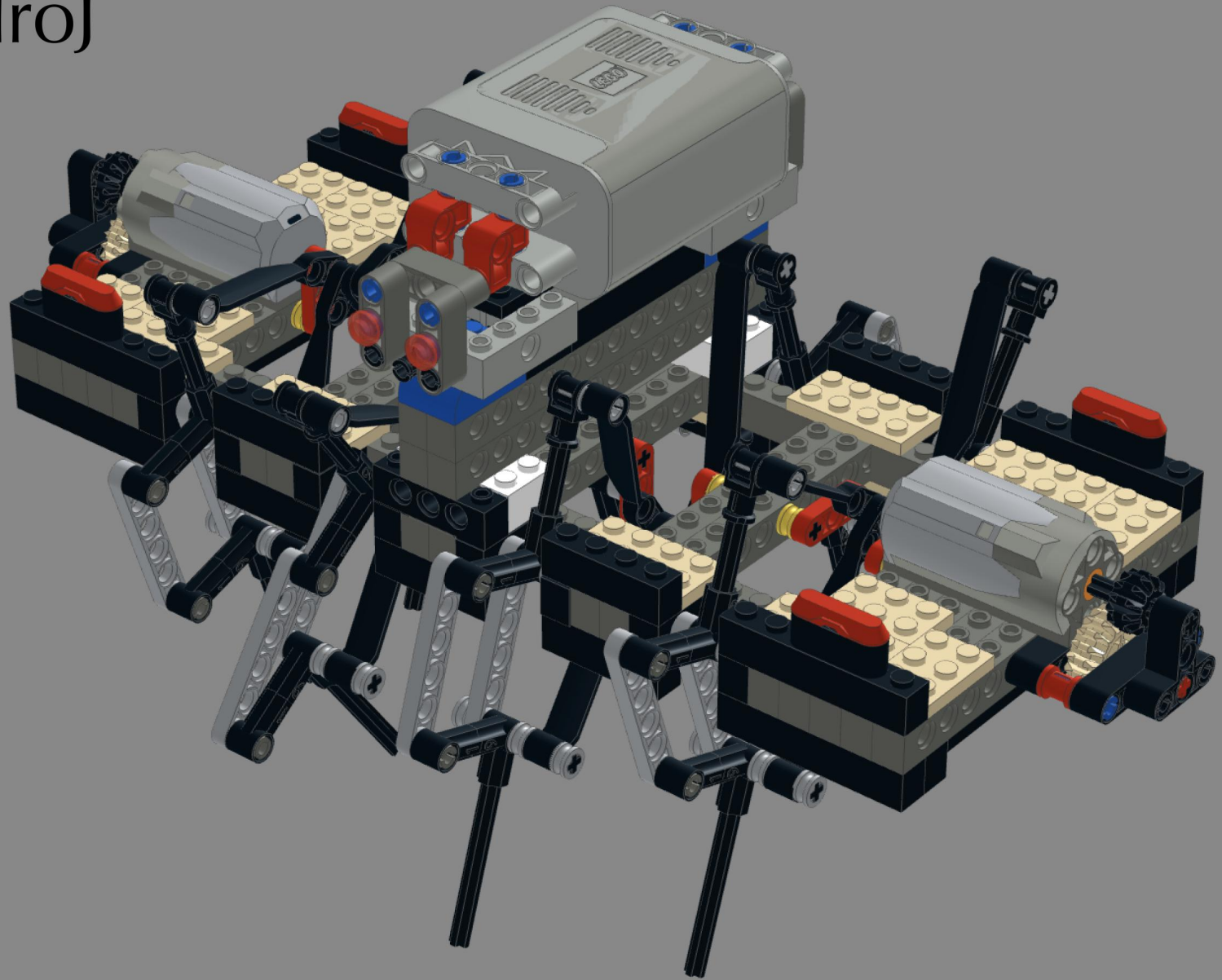
**Santa
Ana
Bricks**

**MOCs
by PedroJ**

MOC-151058

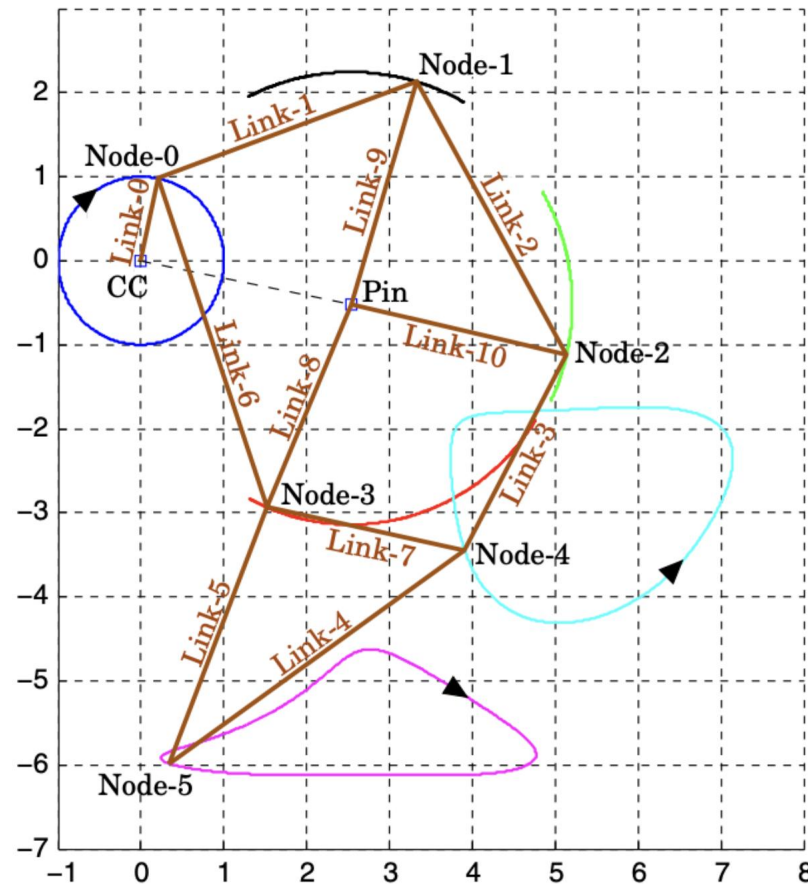
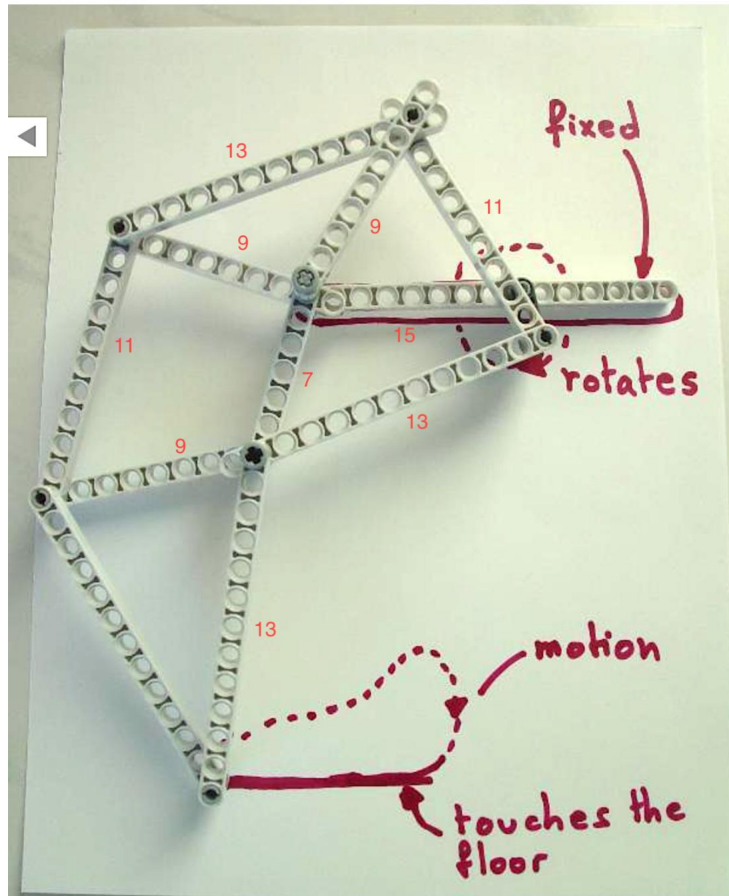
Theo Jansen's walker-Motorized

PedroJ

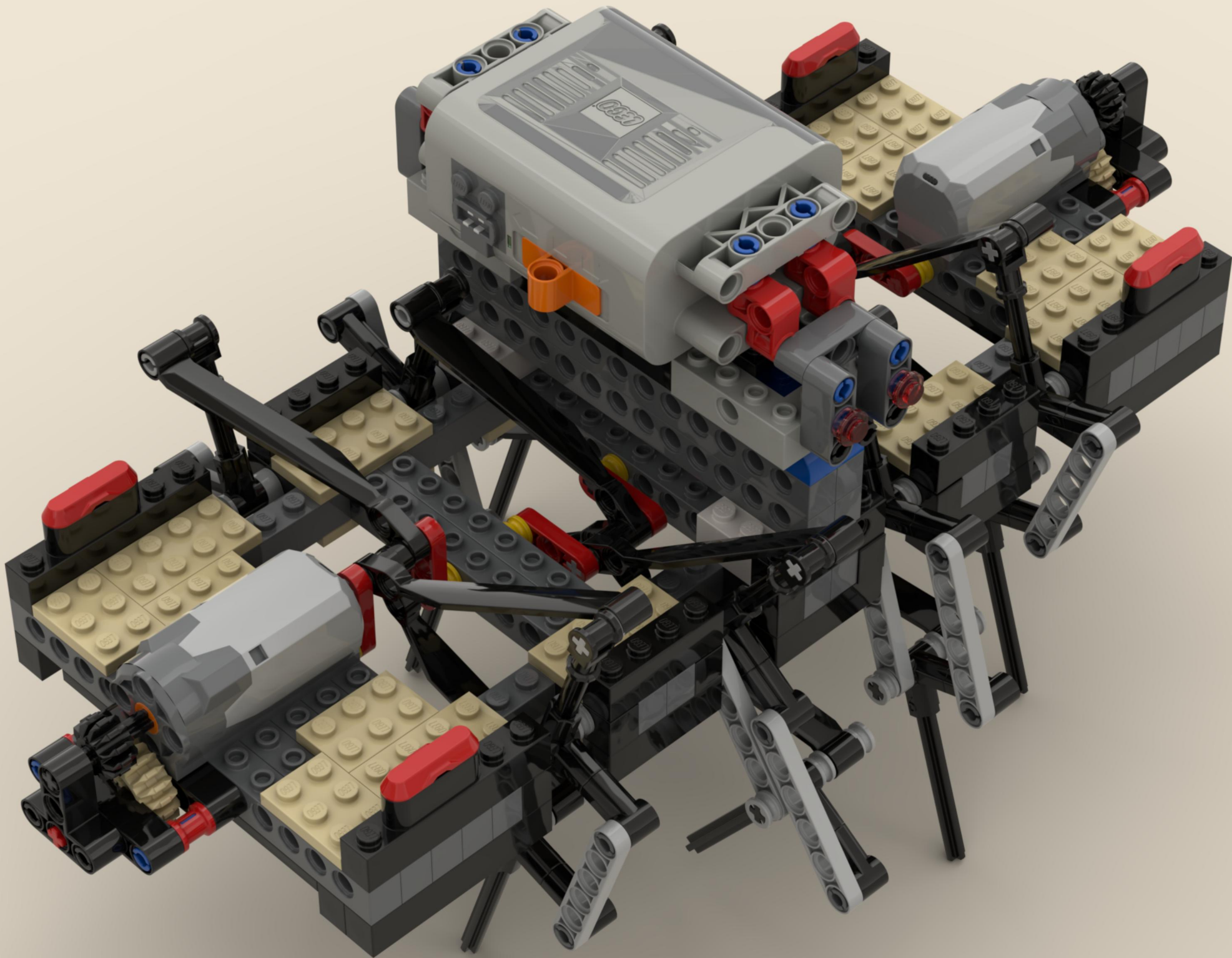


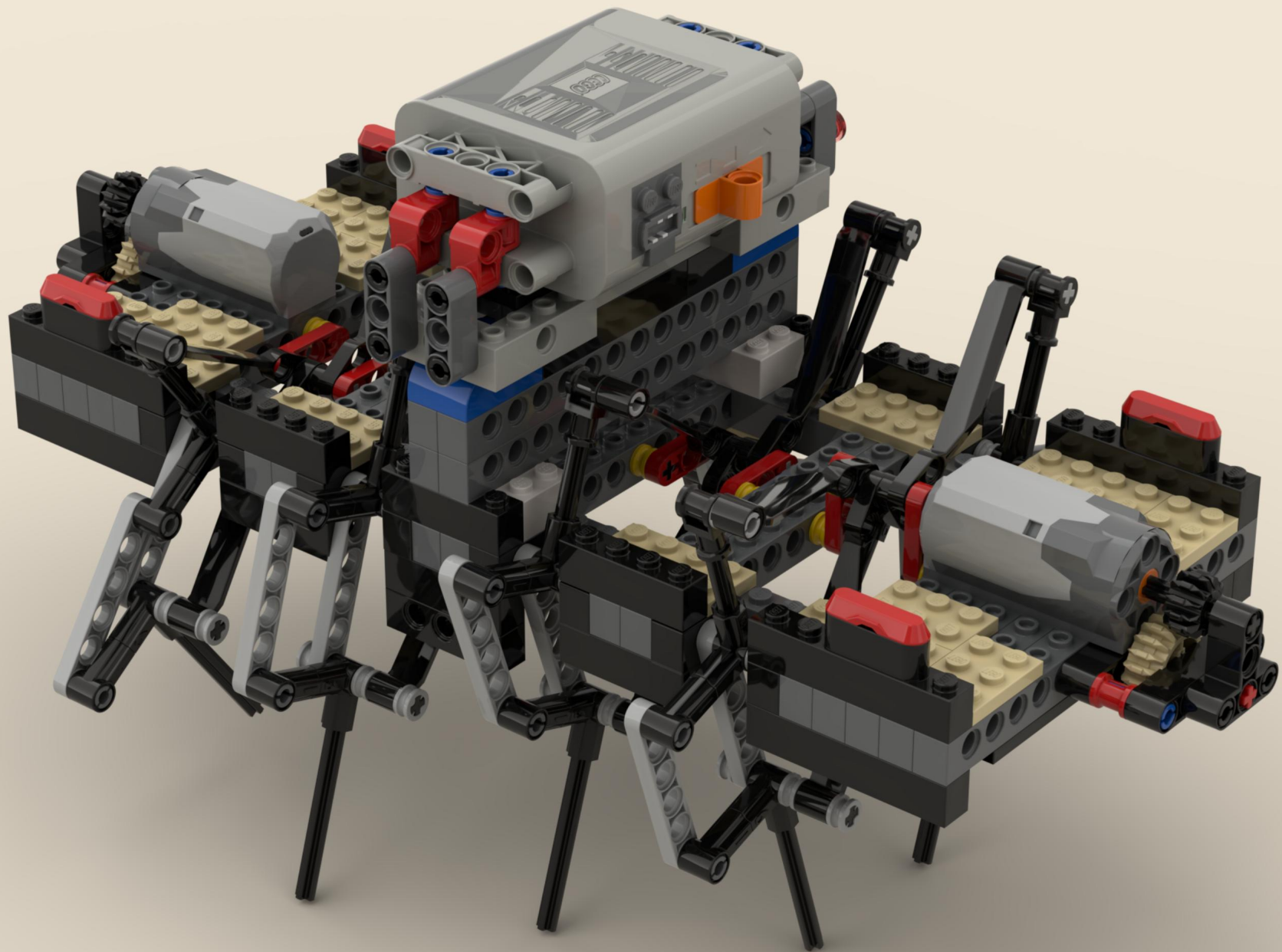
This model is based on Theo Jansen's famous walking creatures (Strandbeest). They are based on articulations of linear segments pivoting around a fixed point and resulting in advance motion.

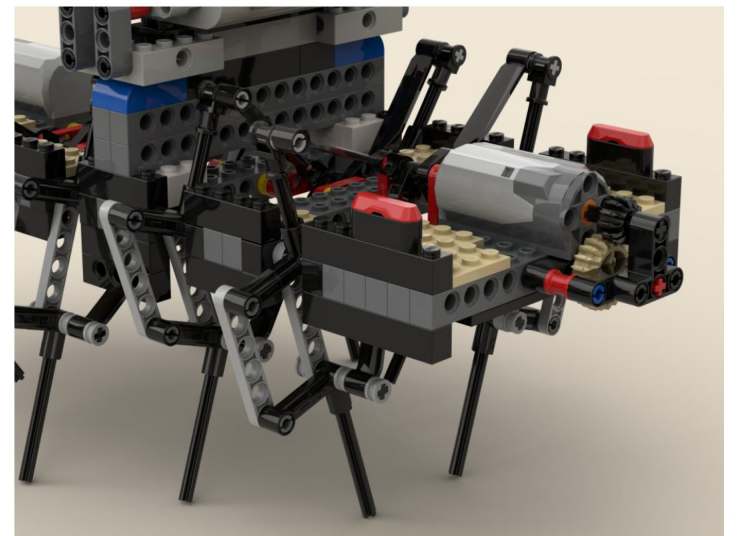
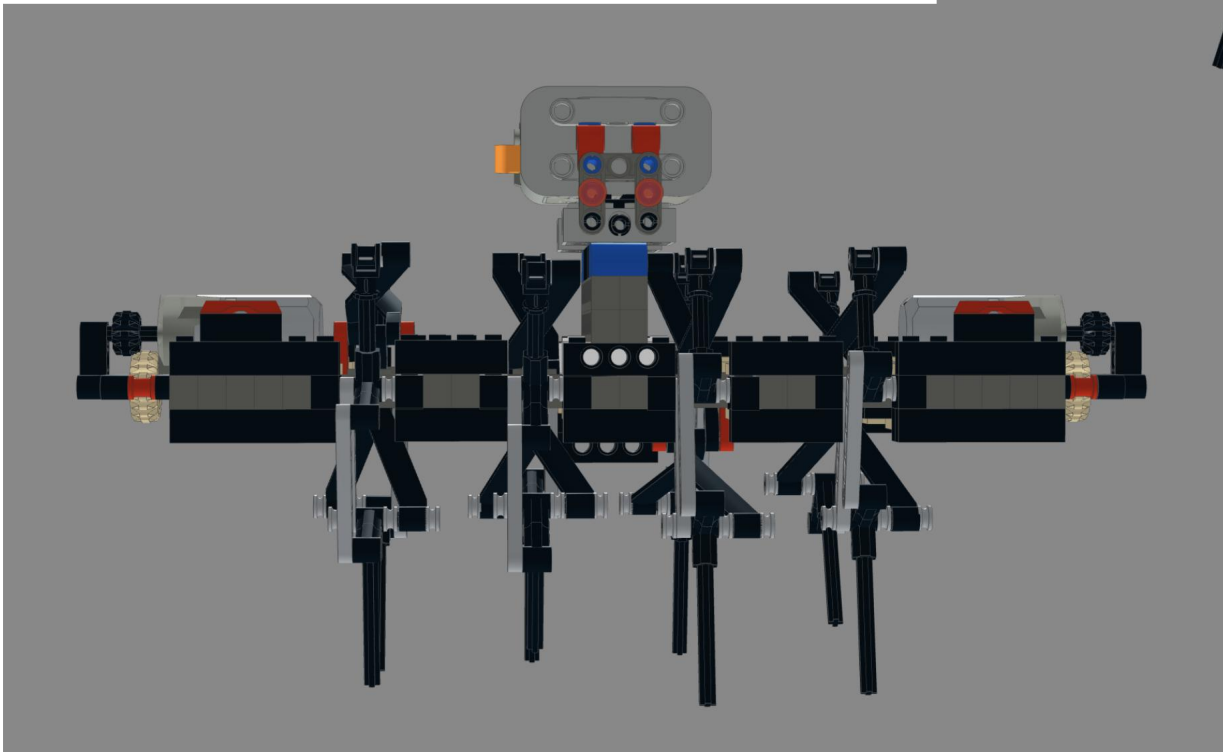
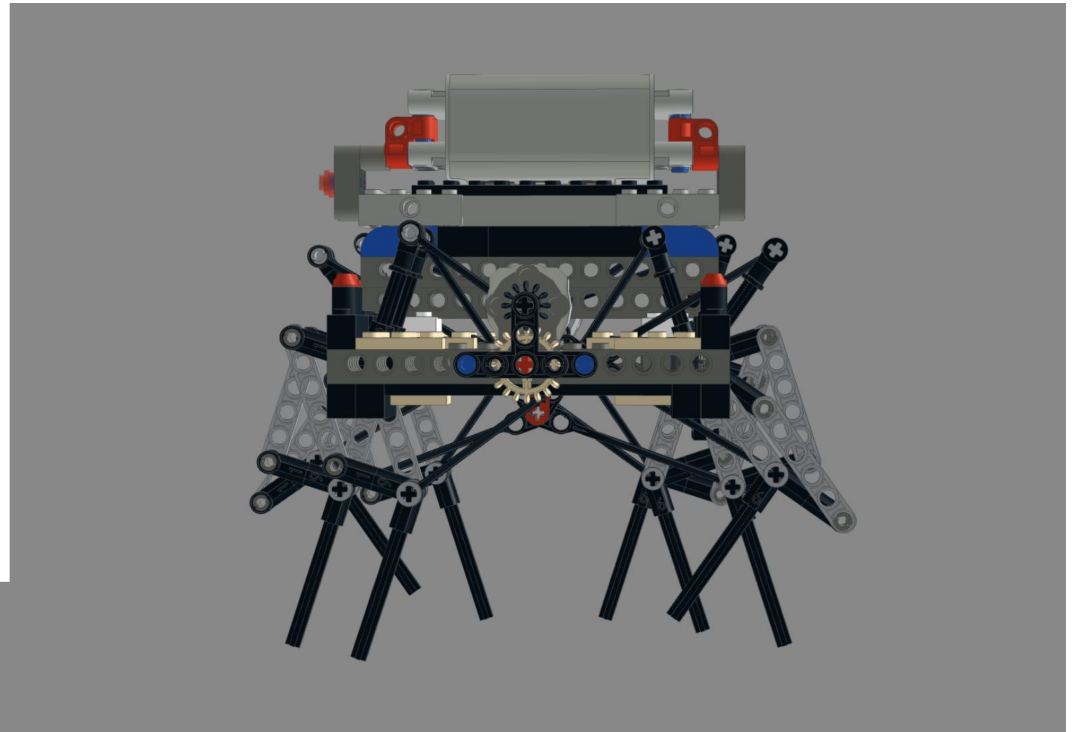
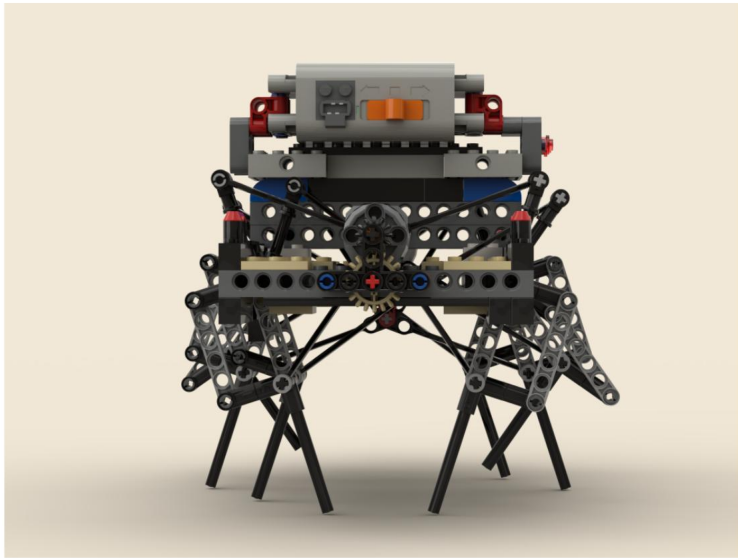
The model is based on a previous design (non-motorized) by John Allerman.



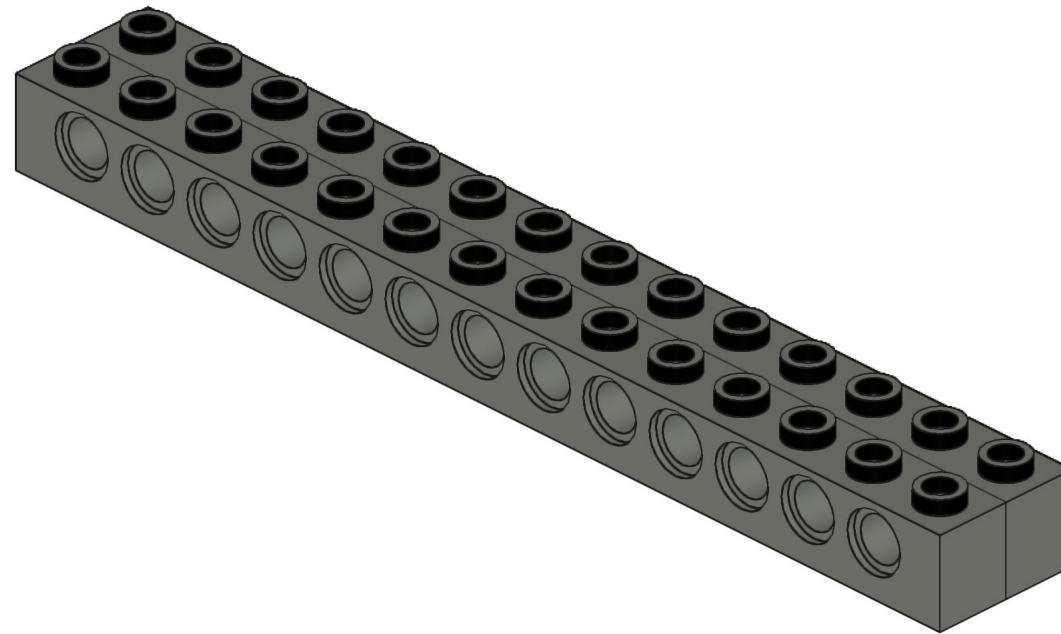
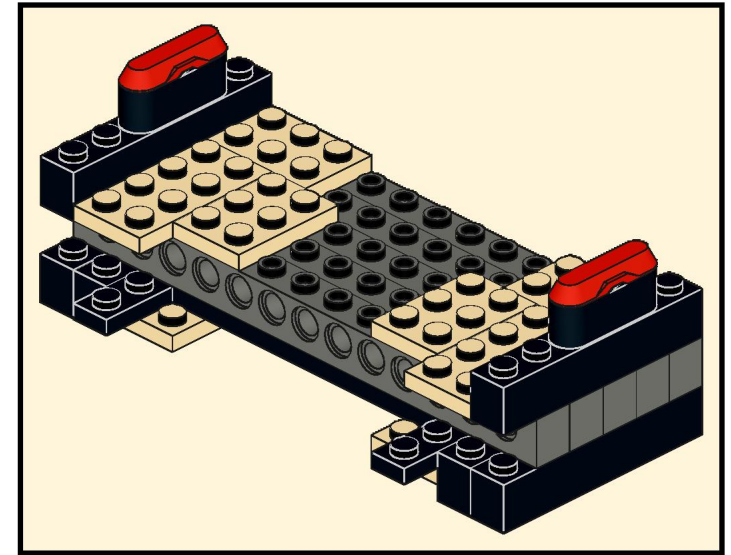
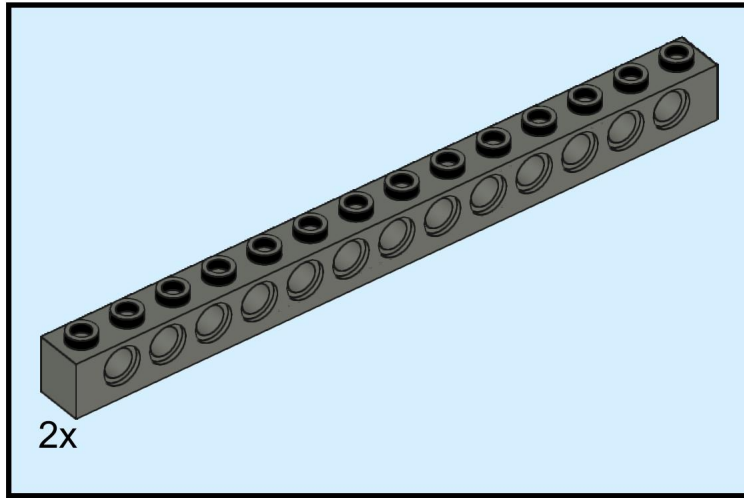
See, e.g., Patniak & Umanand (2016). Kinematics and dynamics of Jansen leg mechanism: A bond graph approach. Simulation Modelling Practice and Theory 60: 160–169.



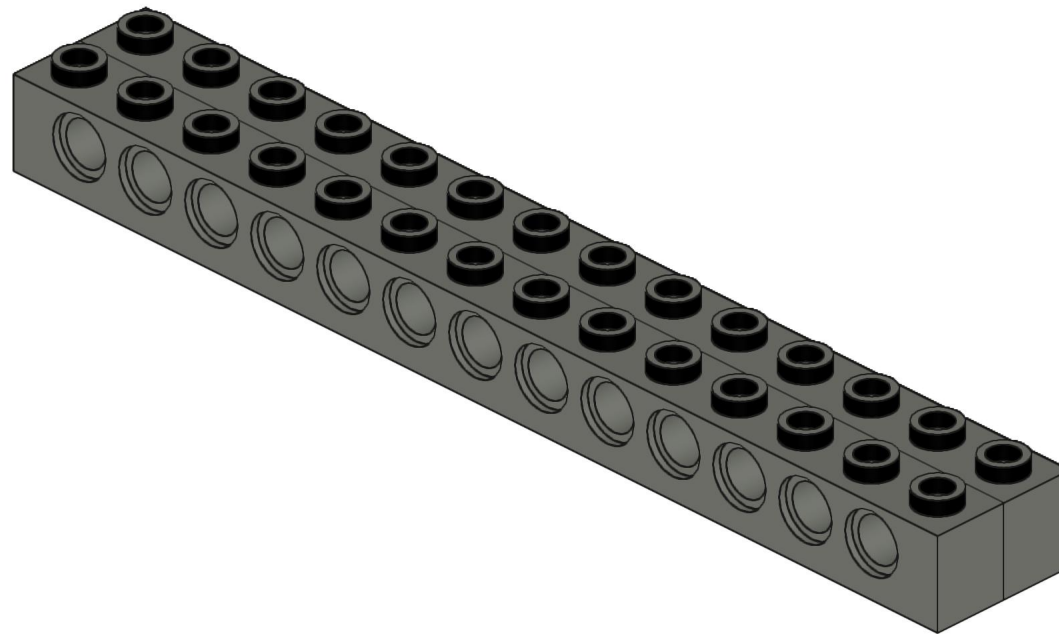
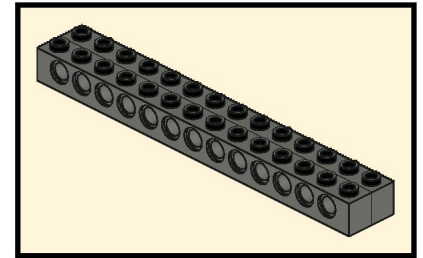
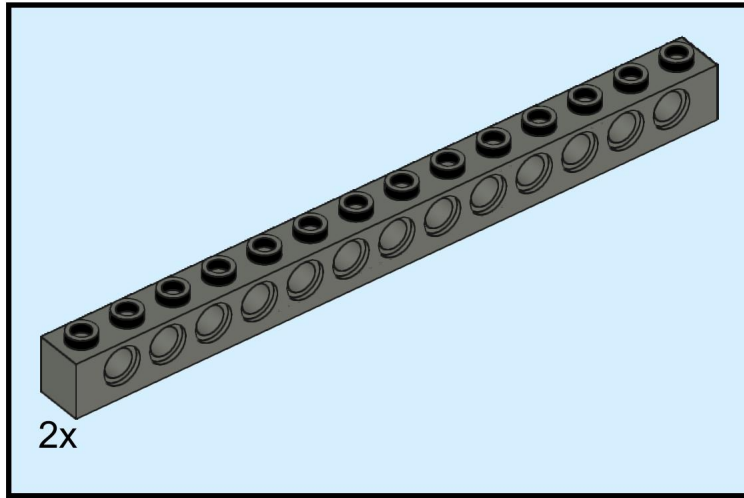




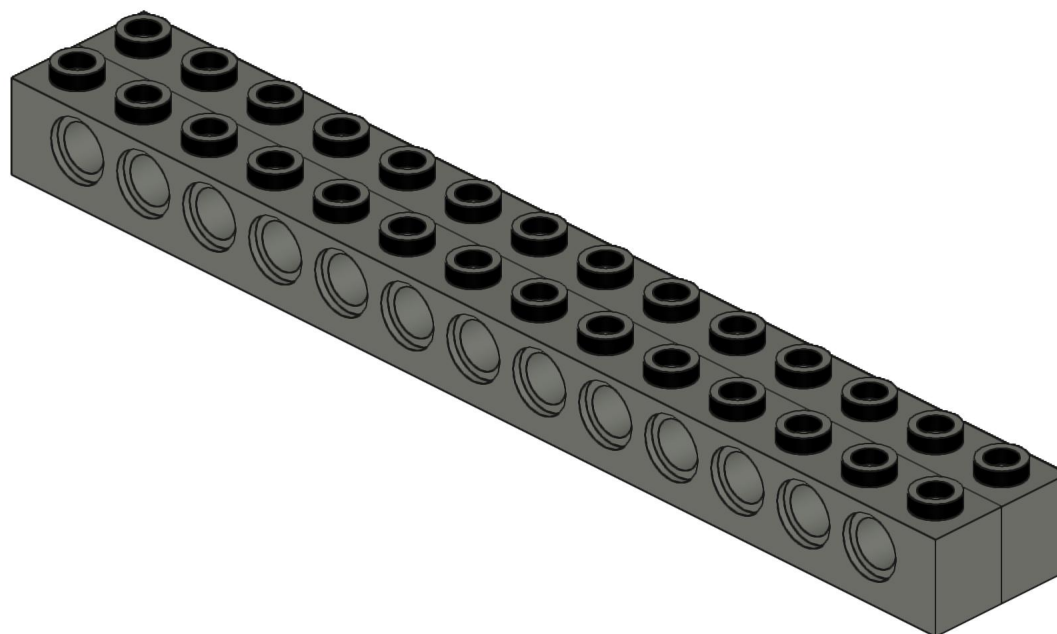
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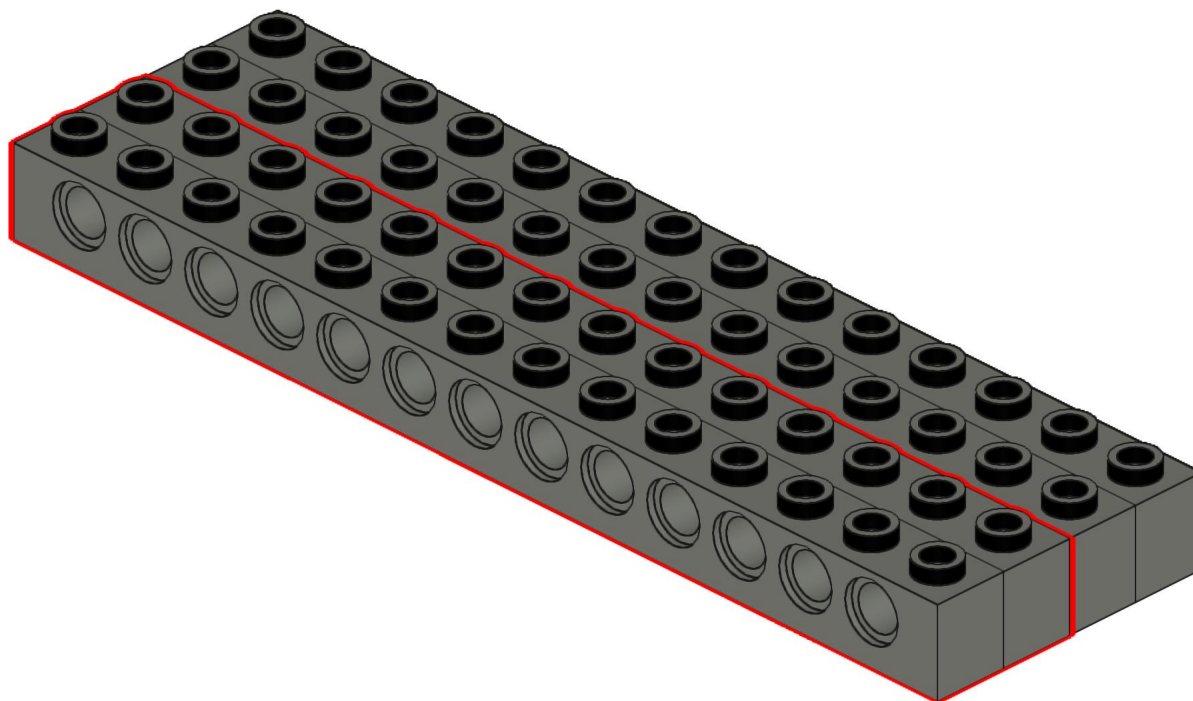
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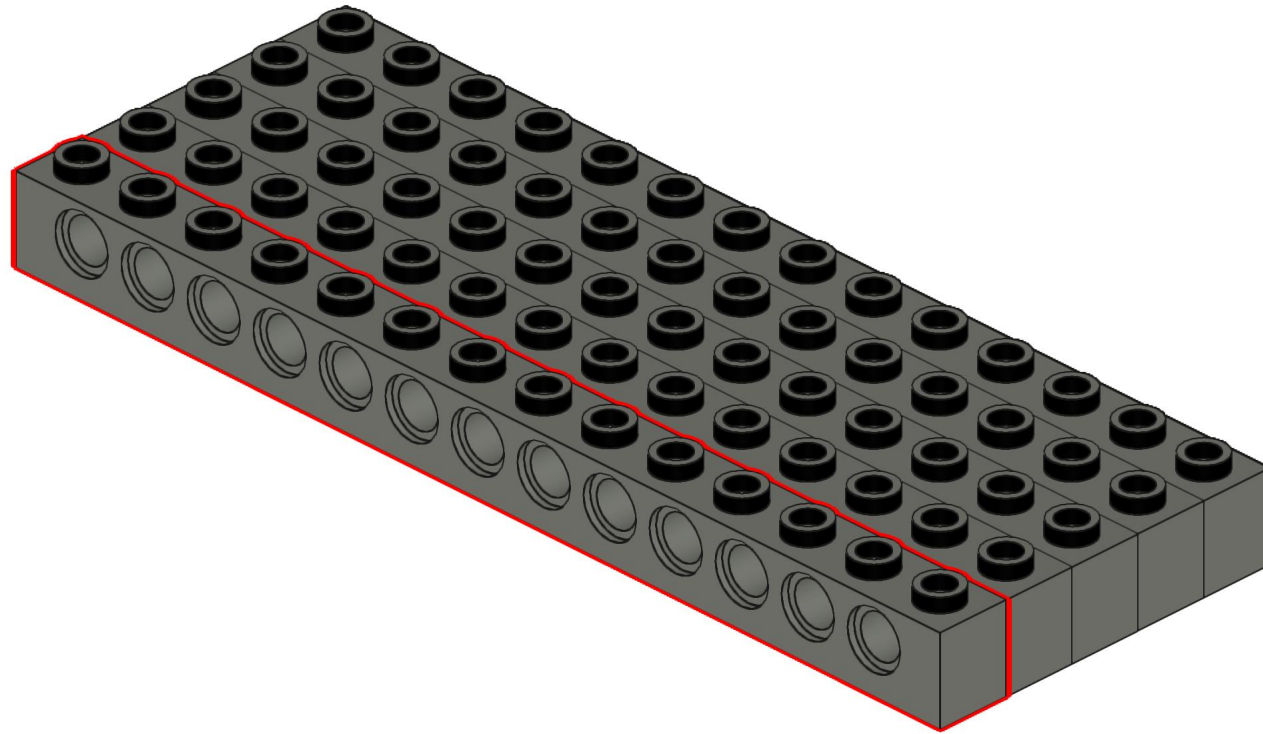
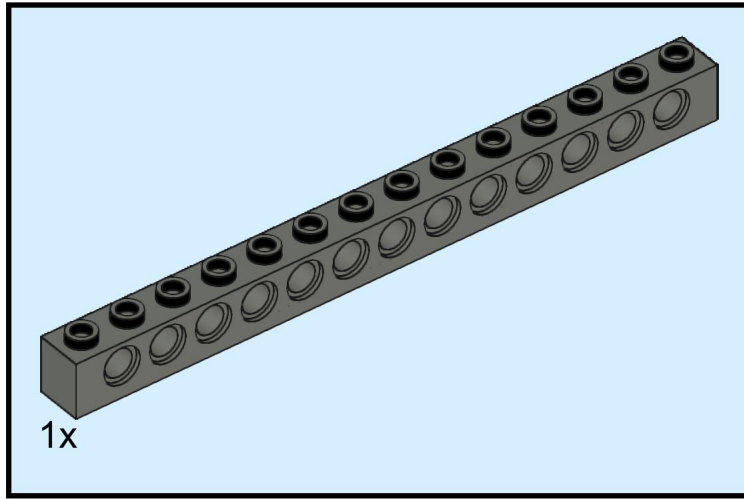
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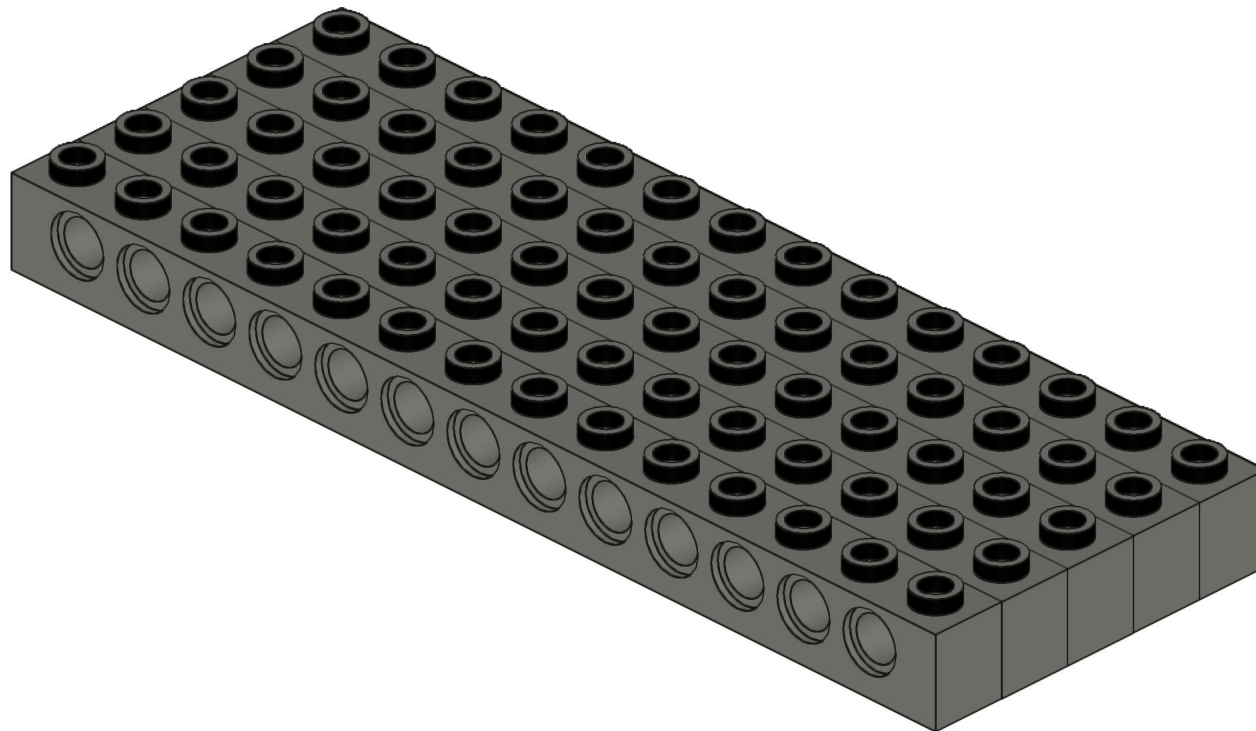
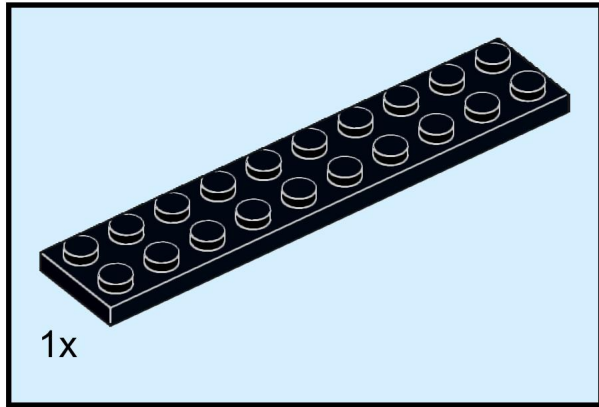
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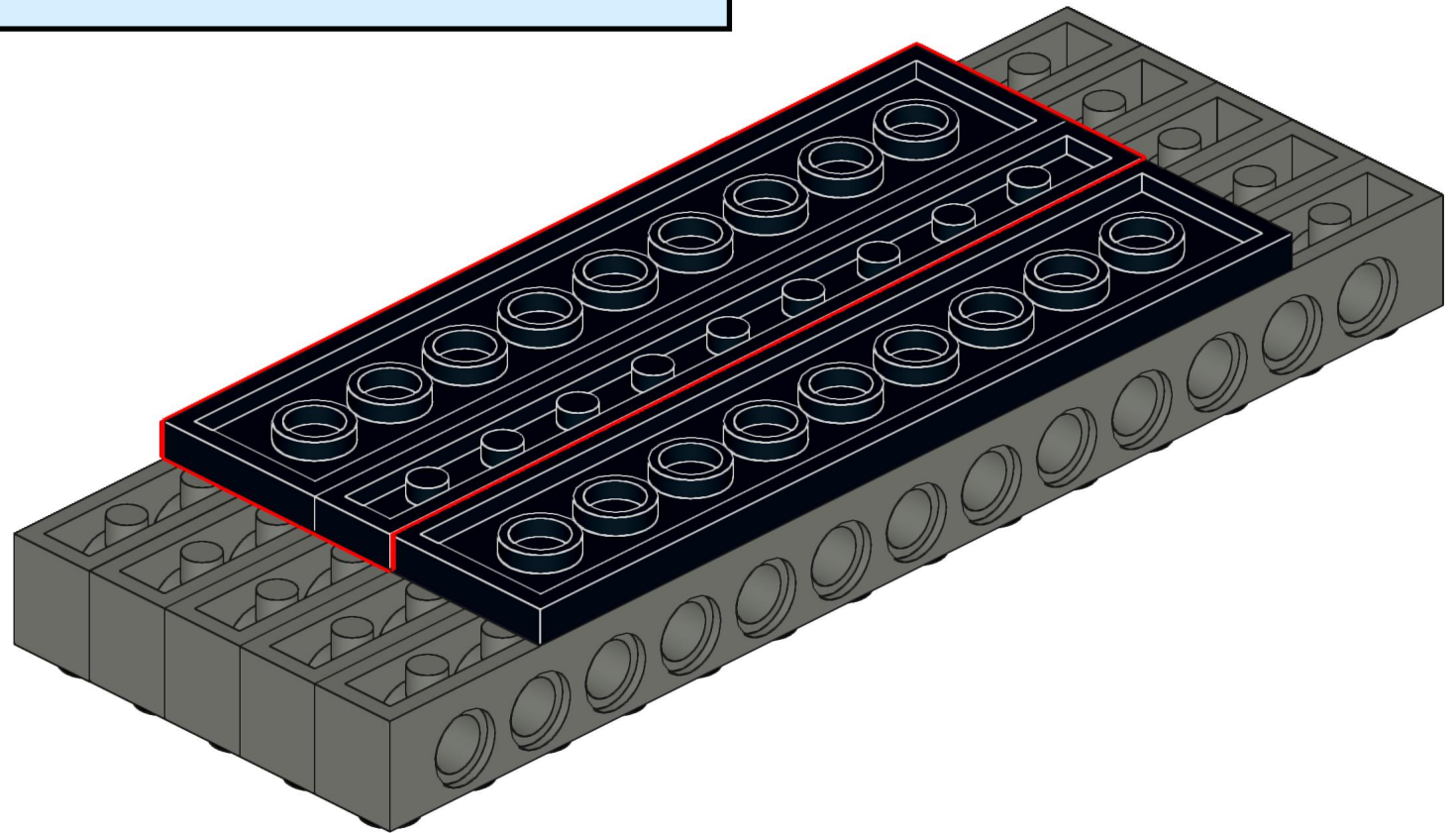
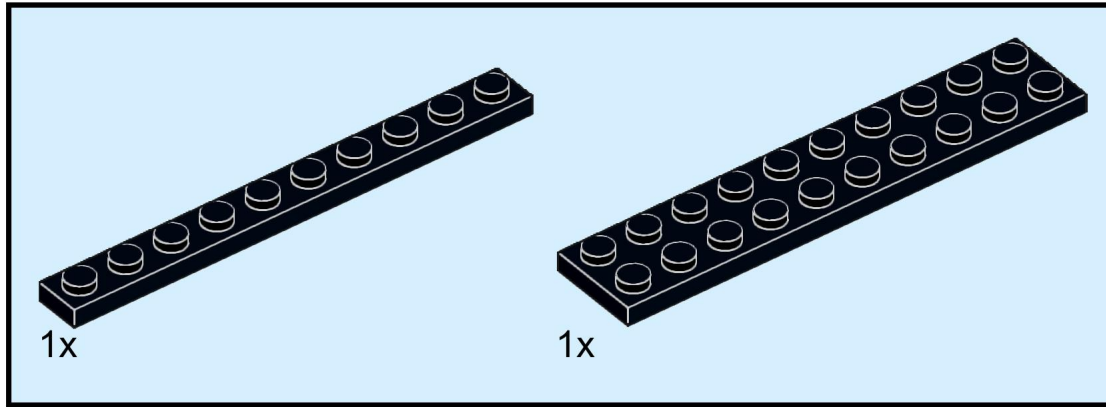
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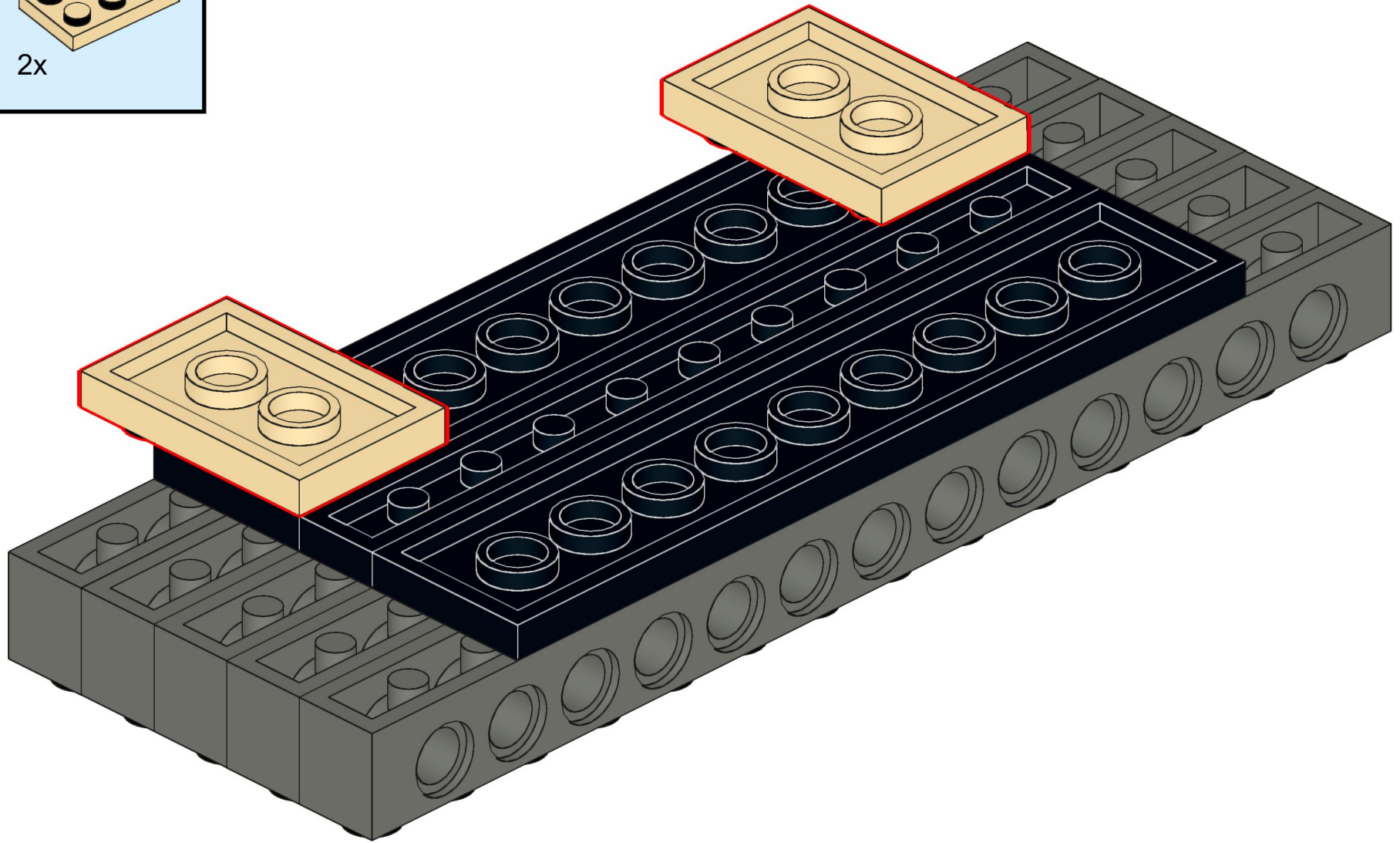
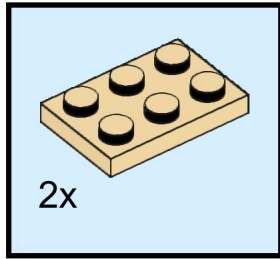
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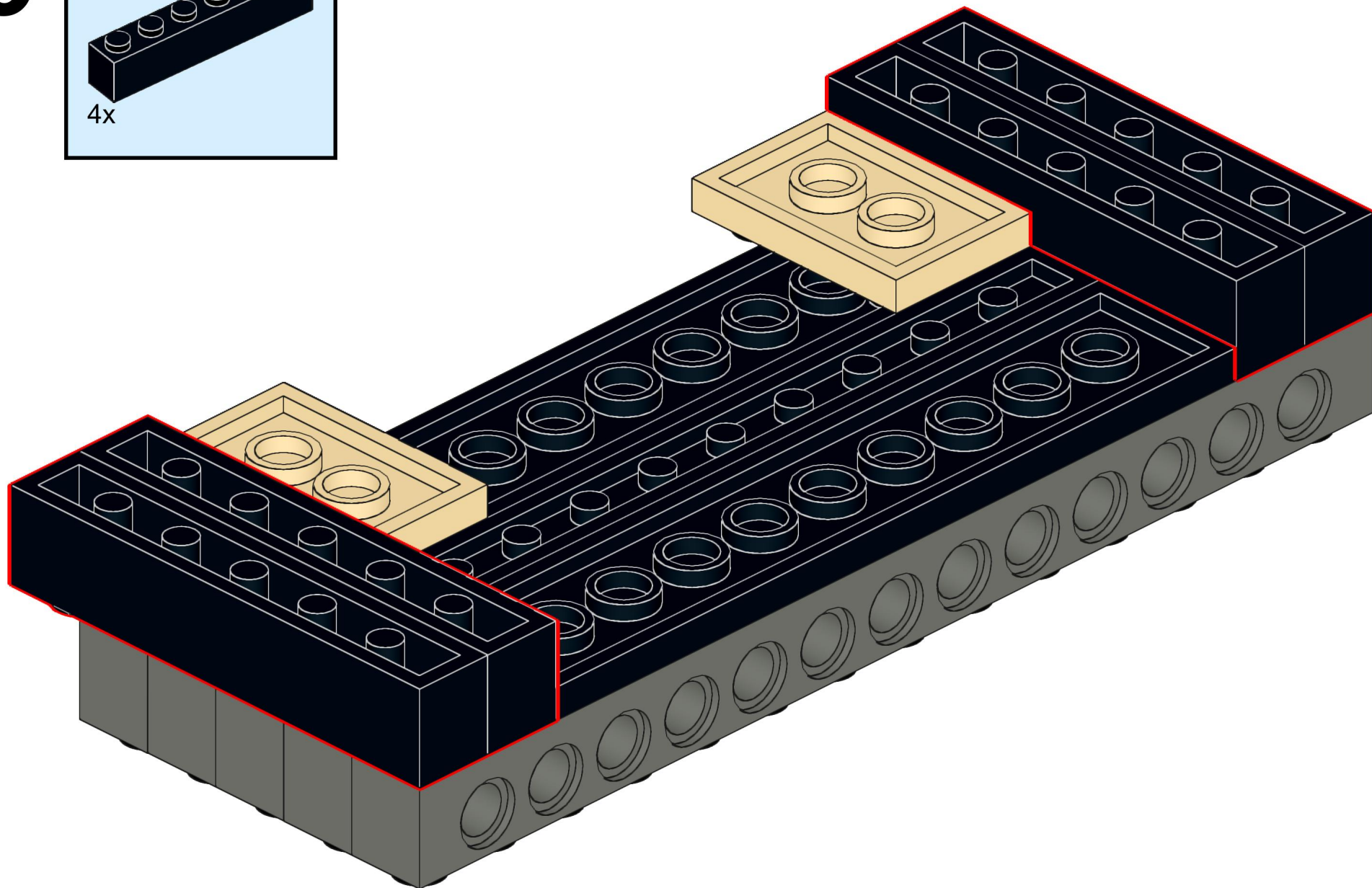
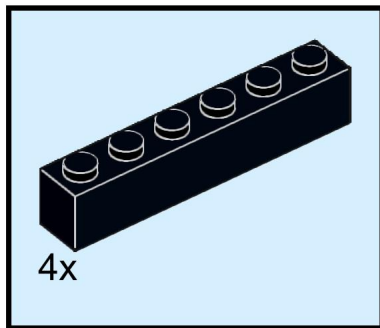
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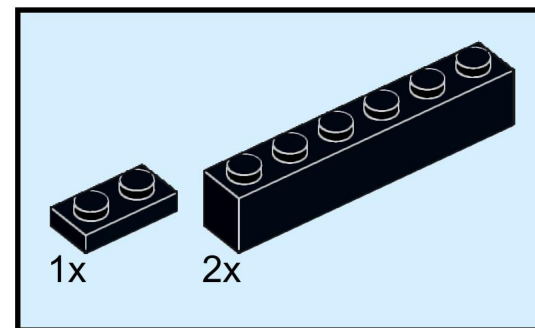
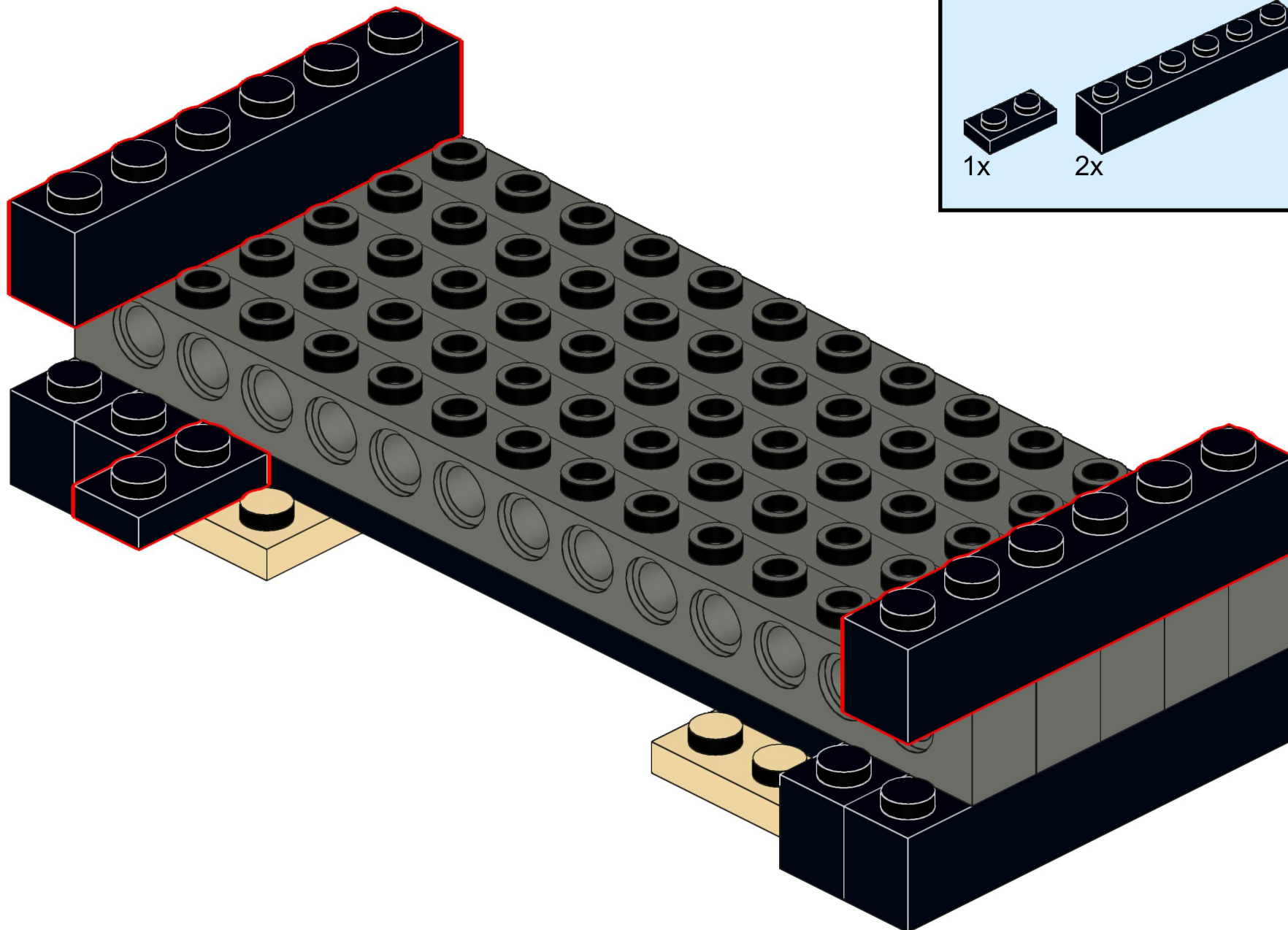
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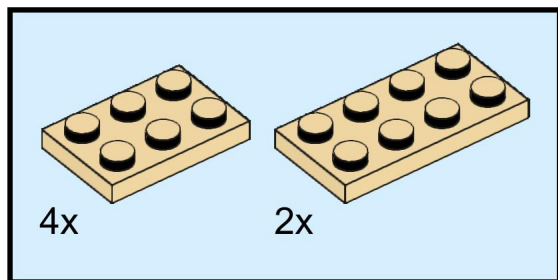
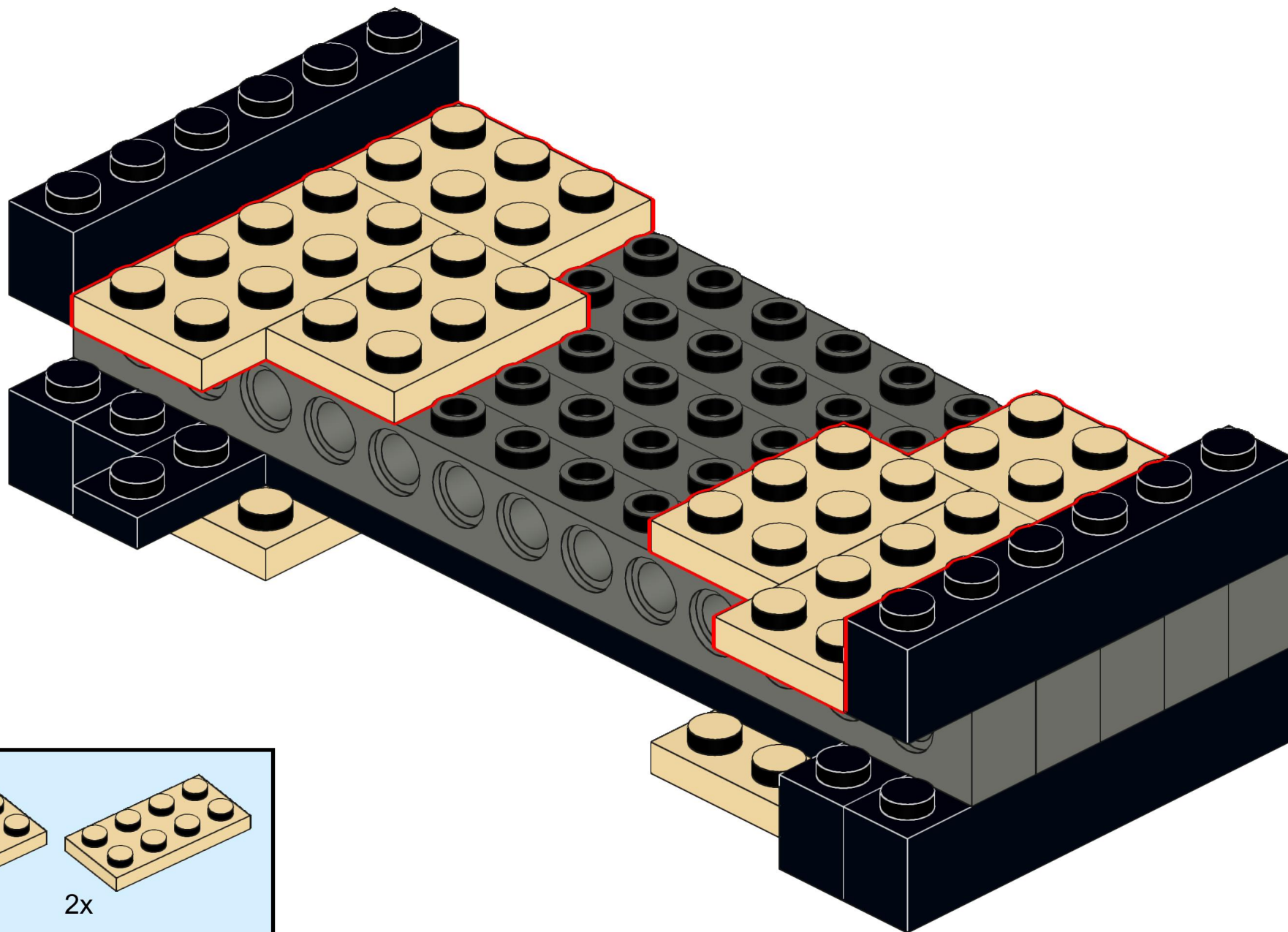
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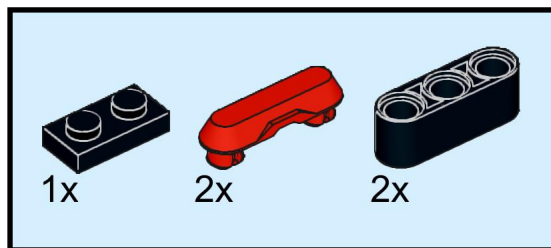
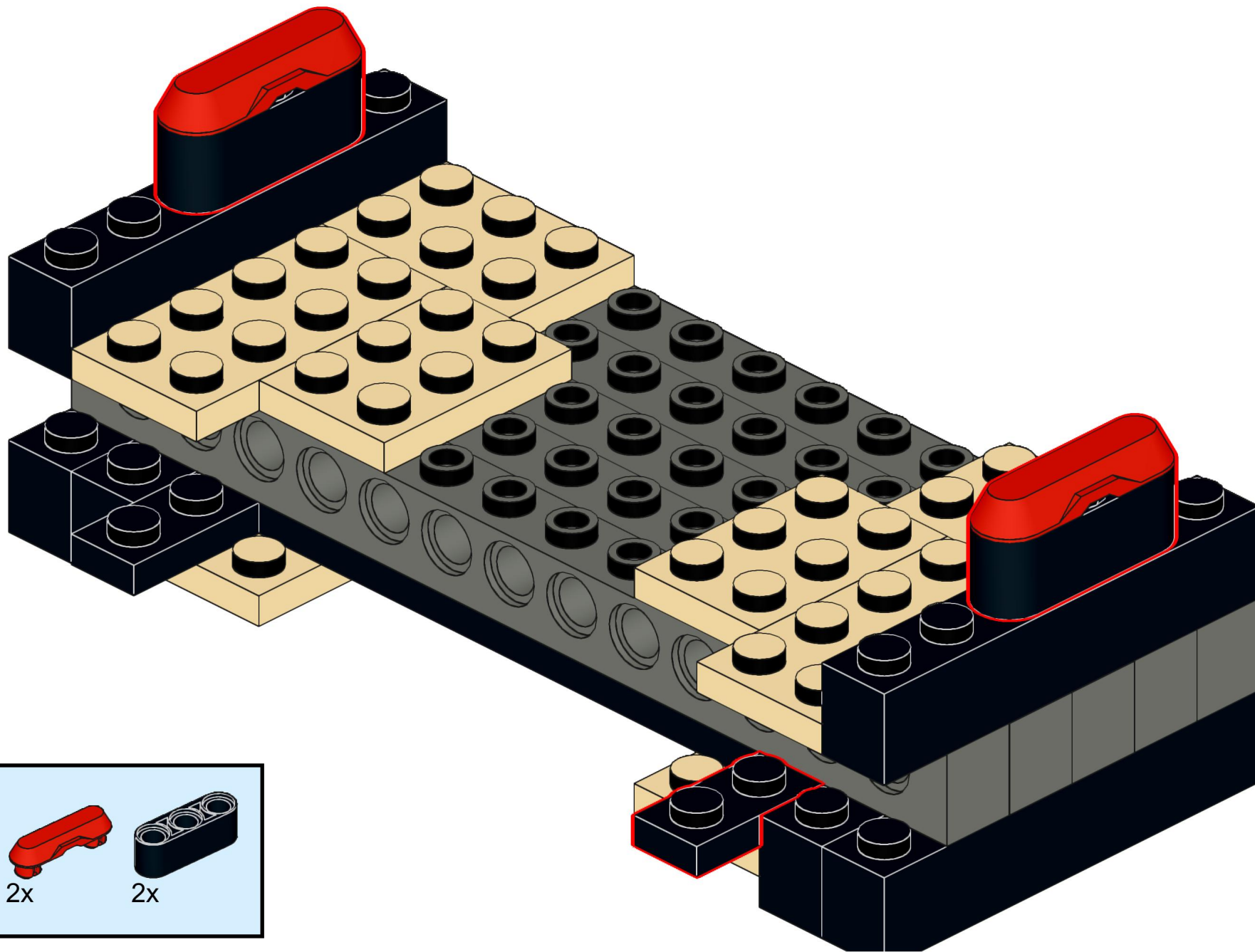
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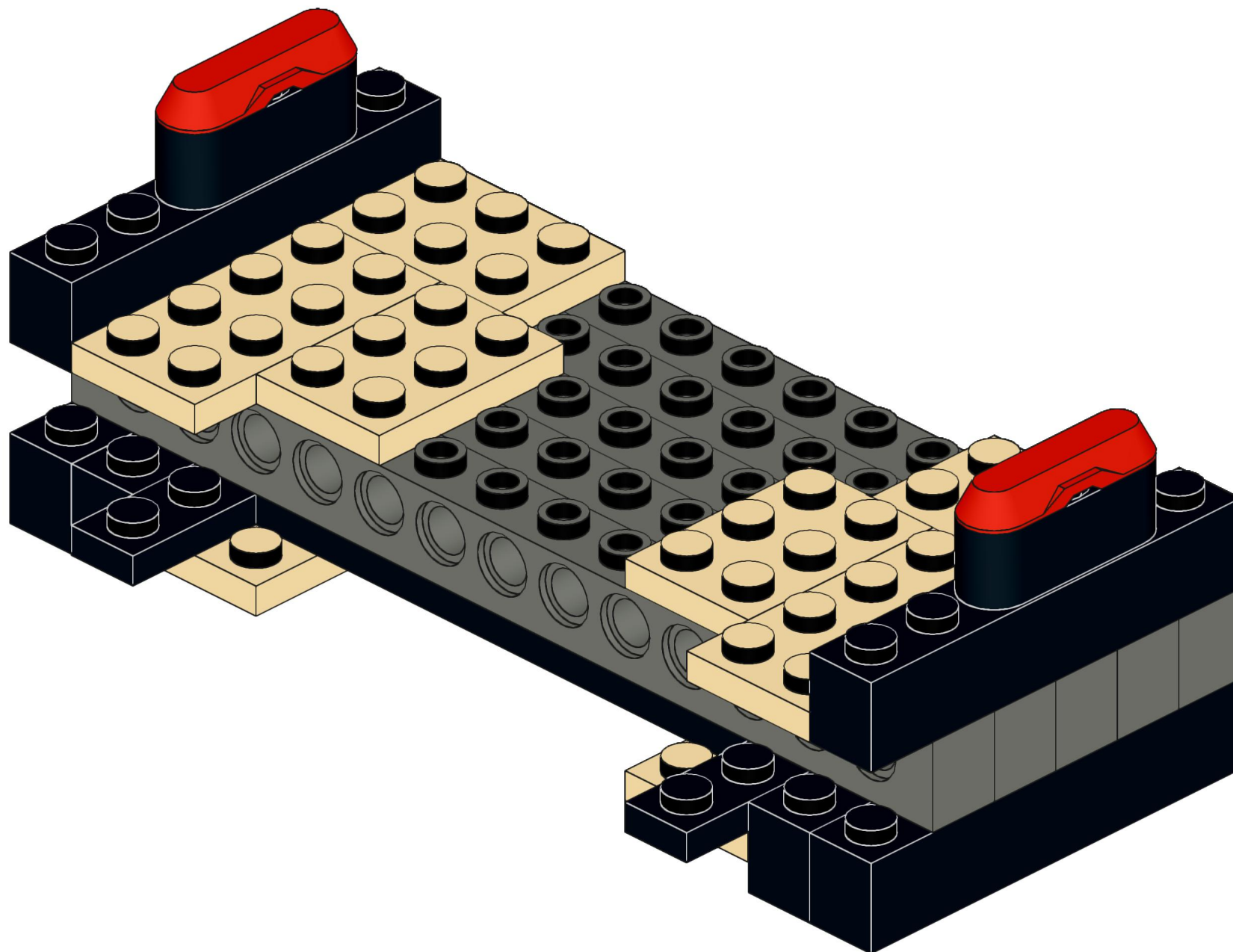
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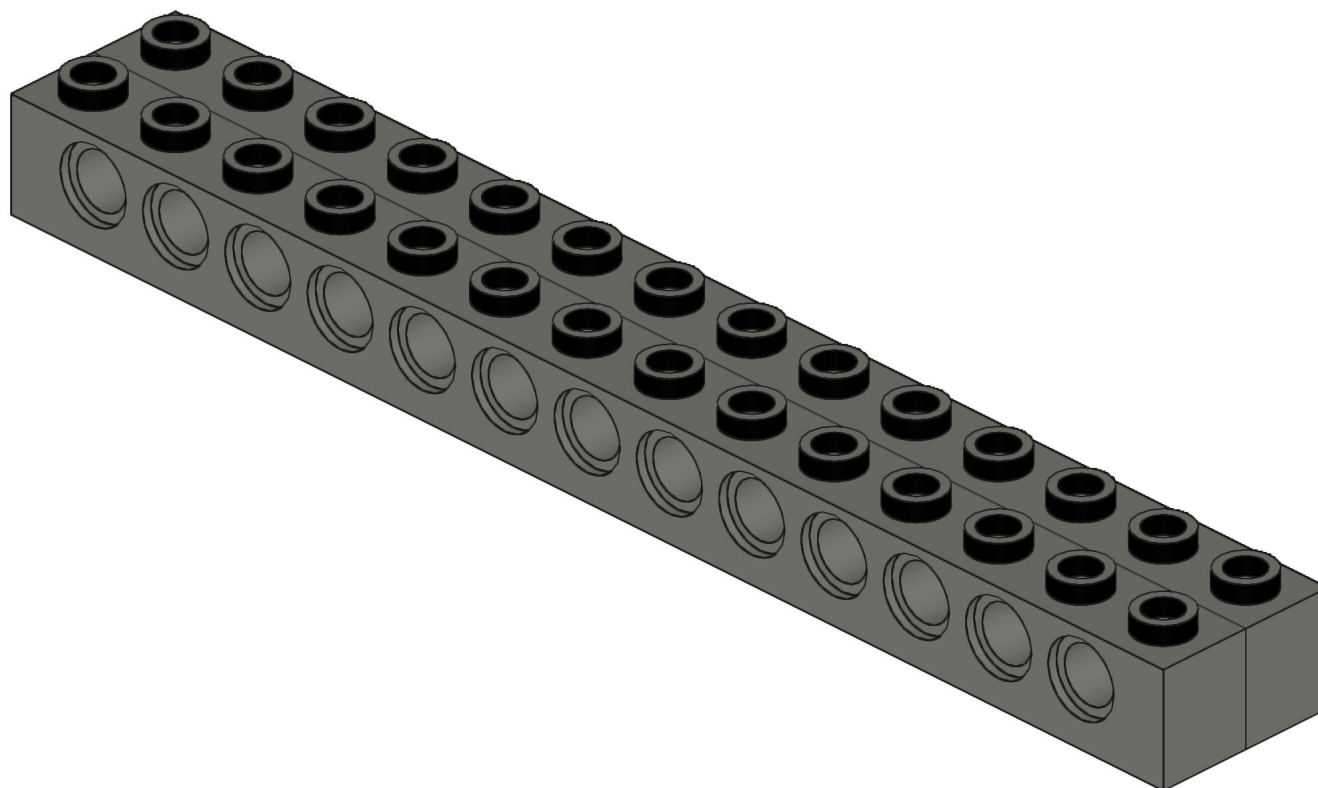
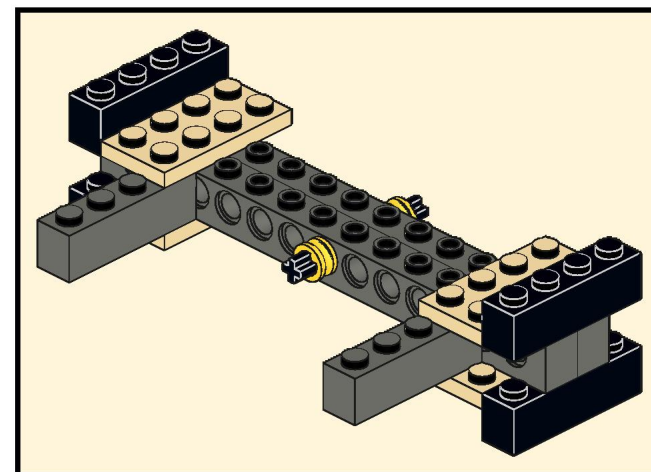
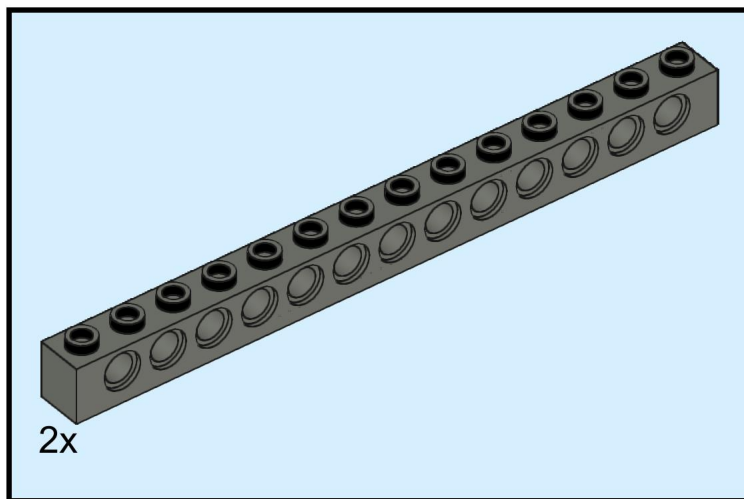
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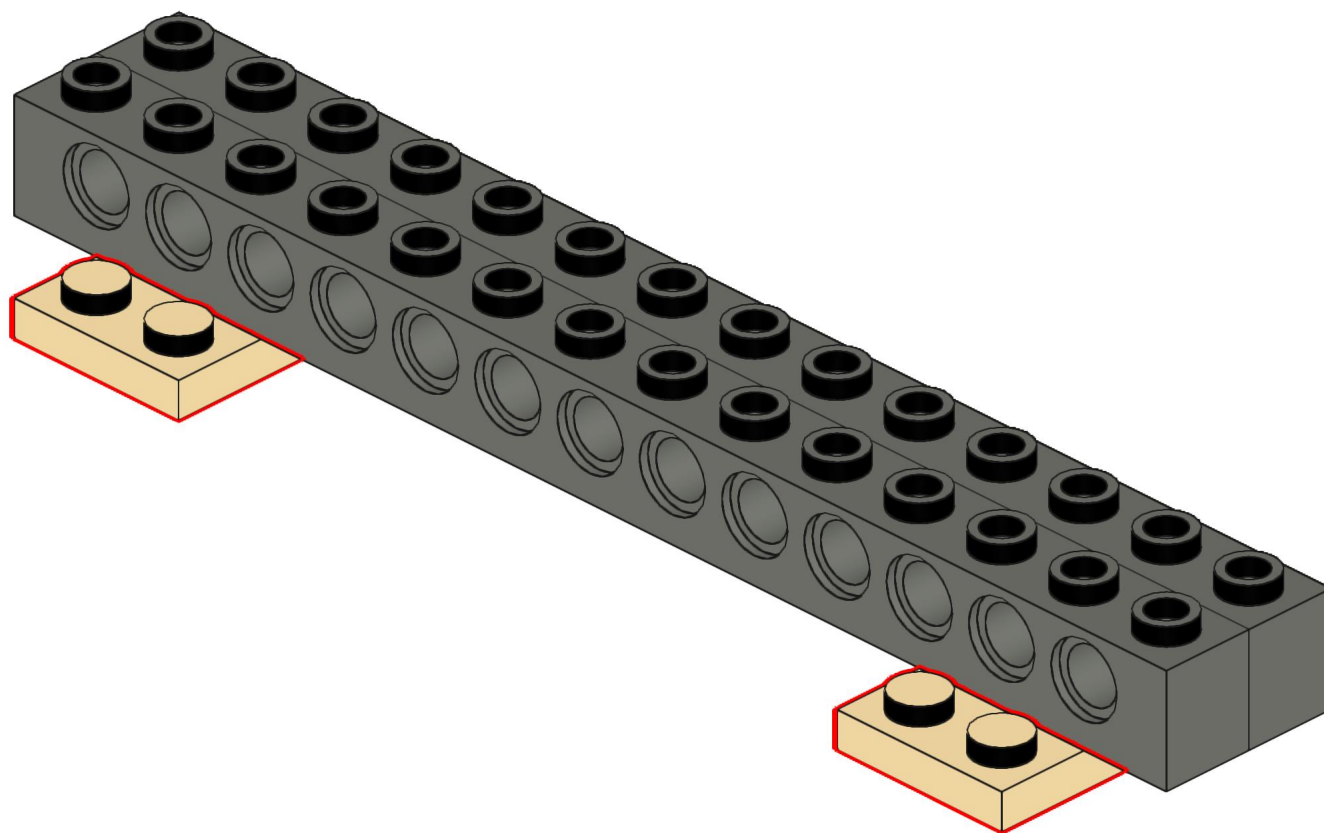
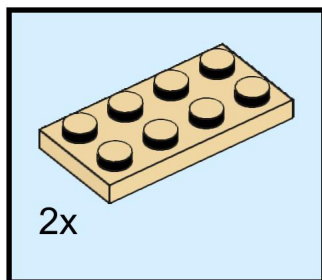
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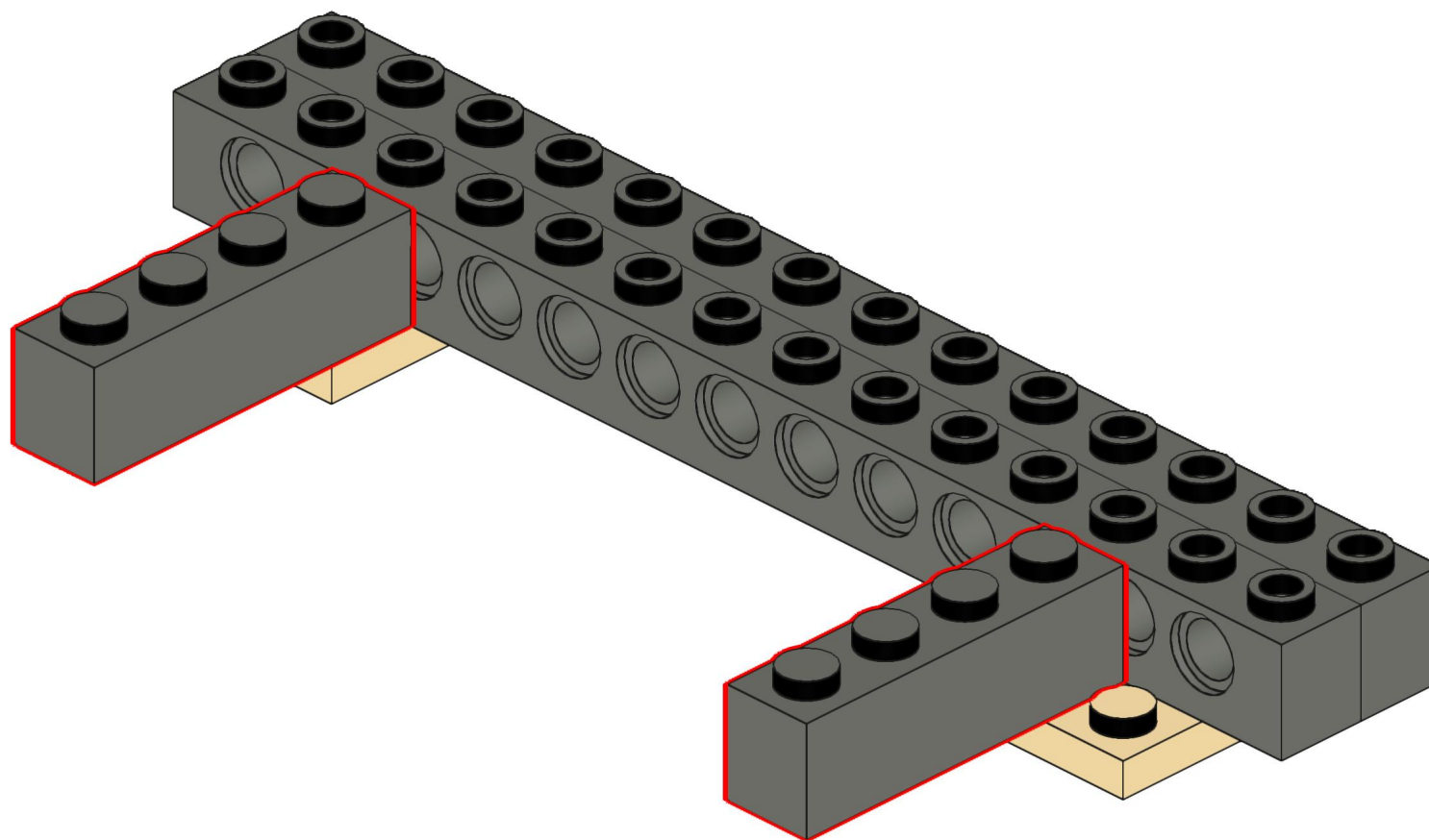
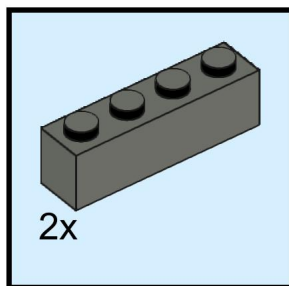
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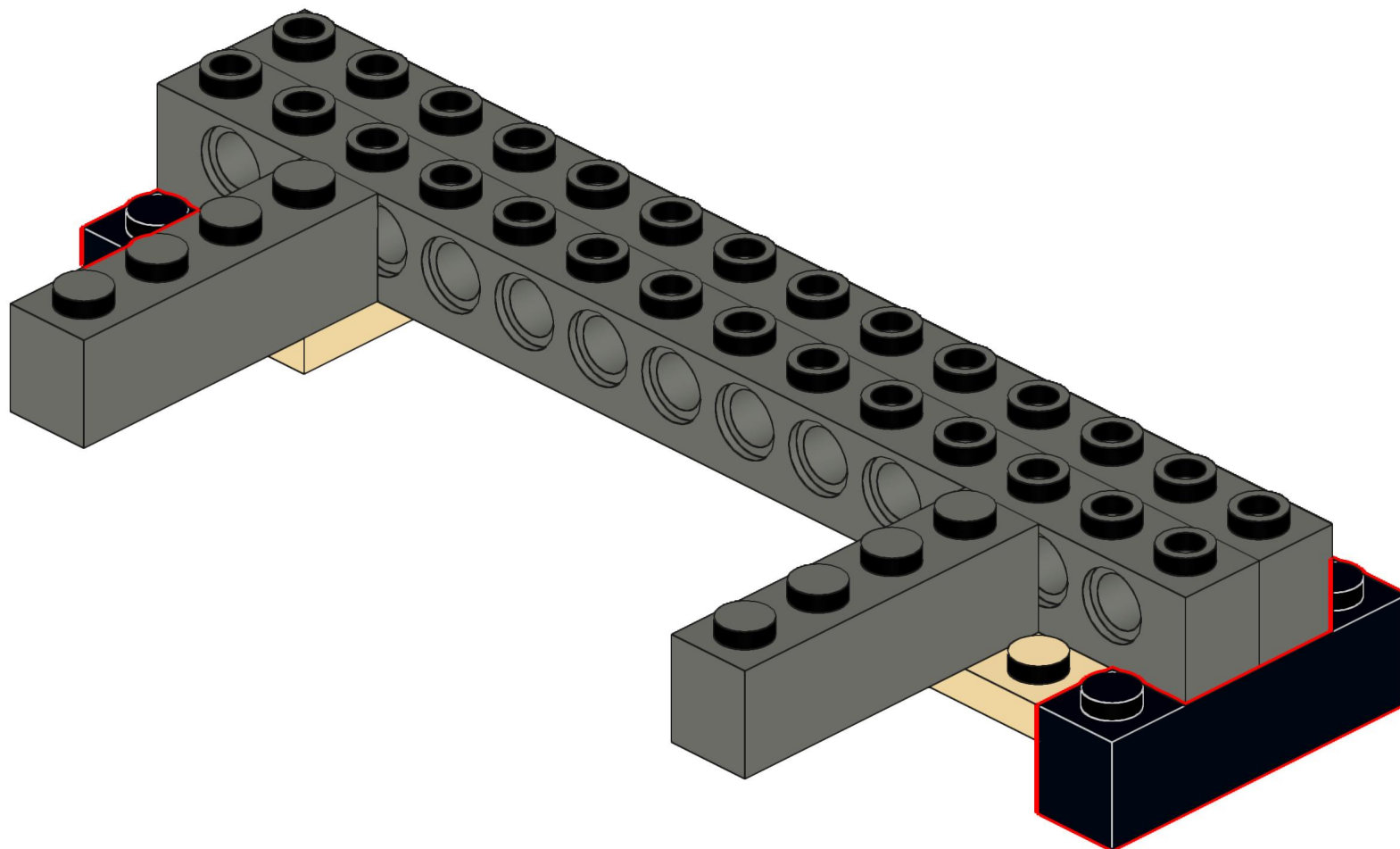
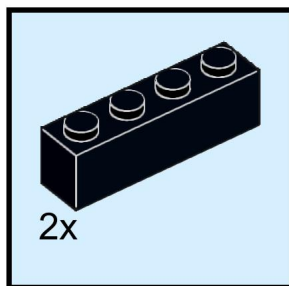
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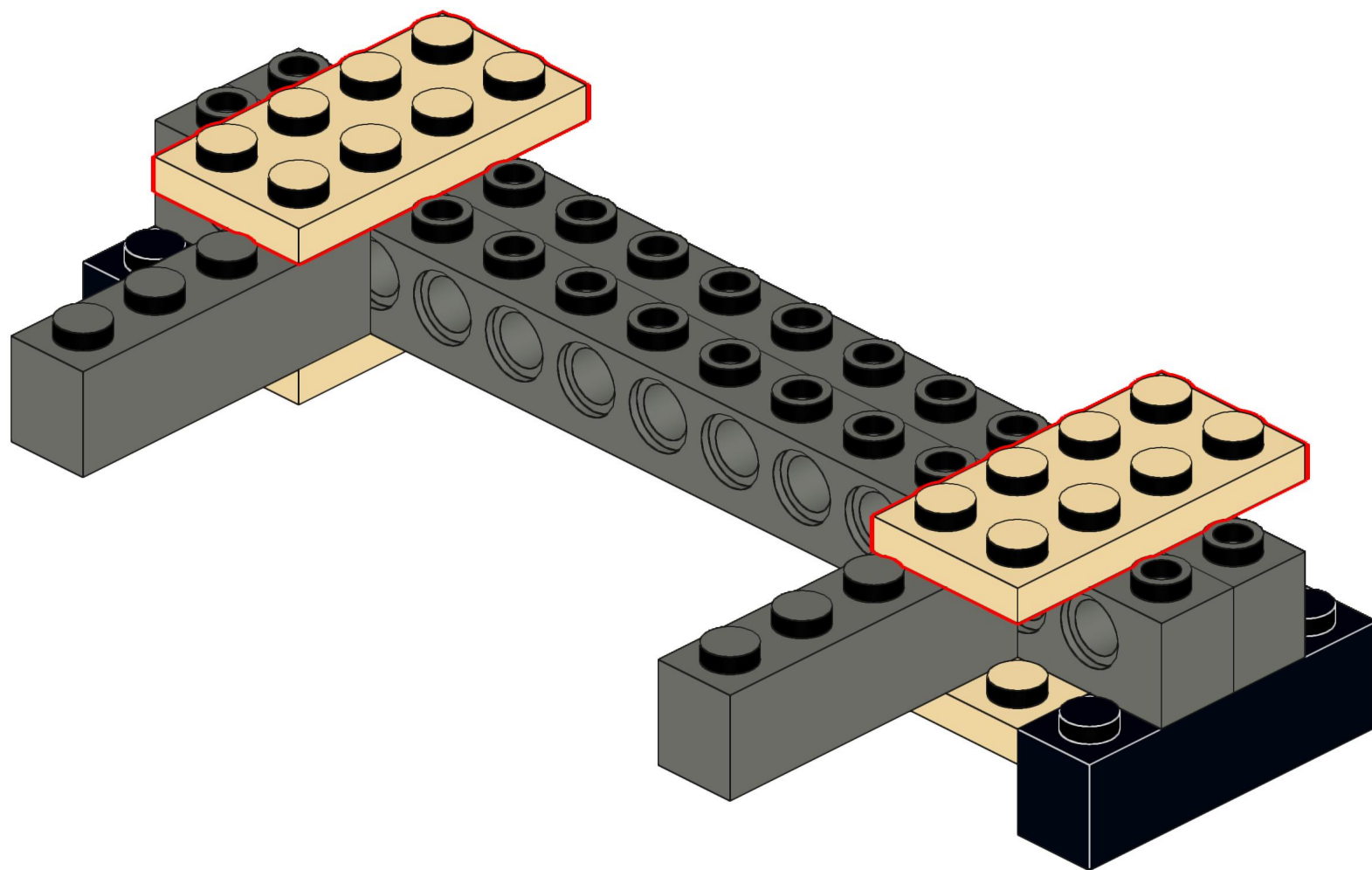
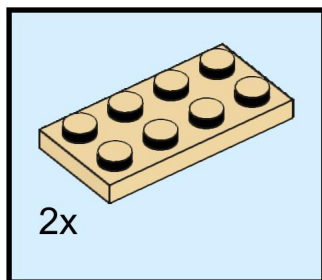
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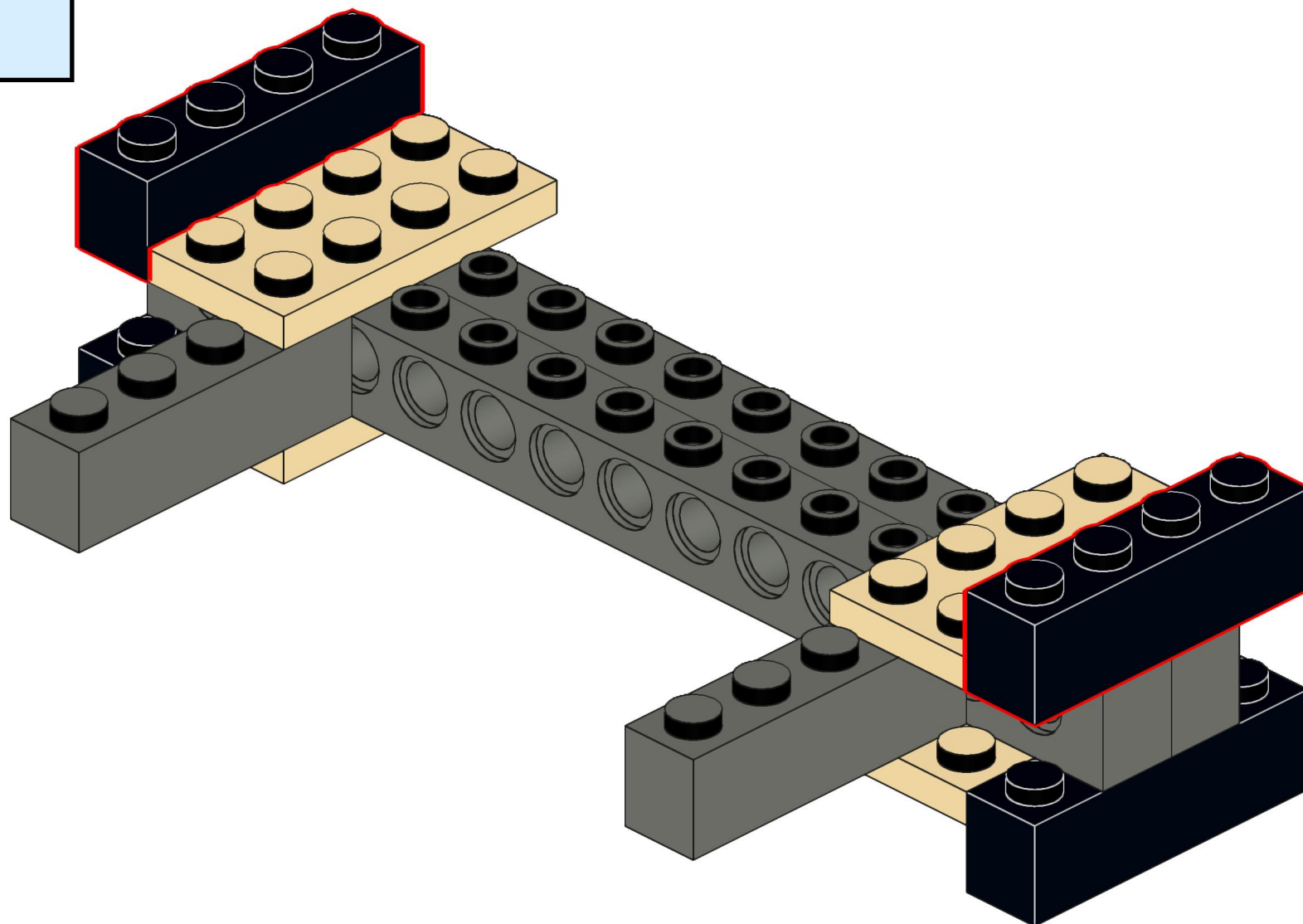
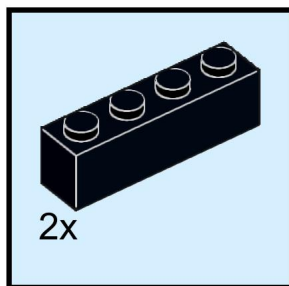
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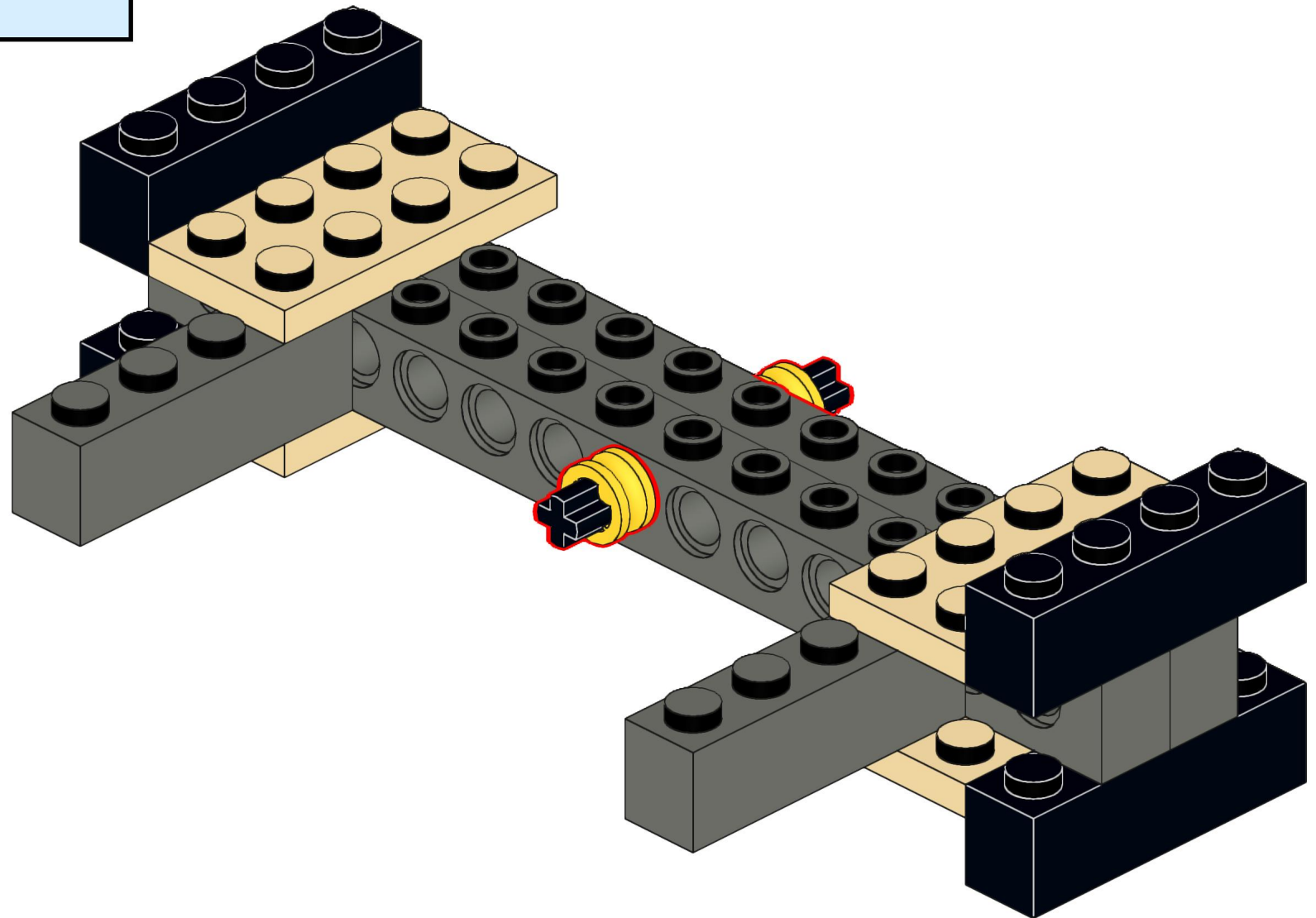
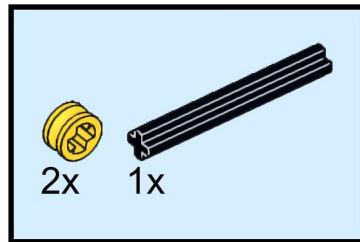
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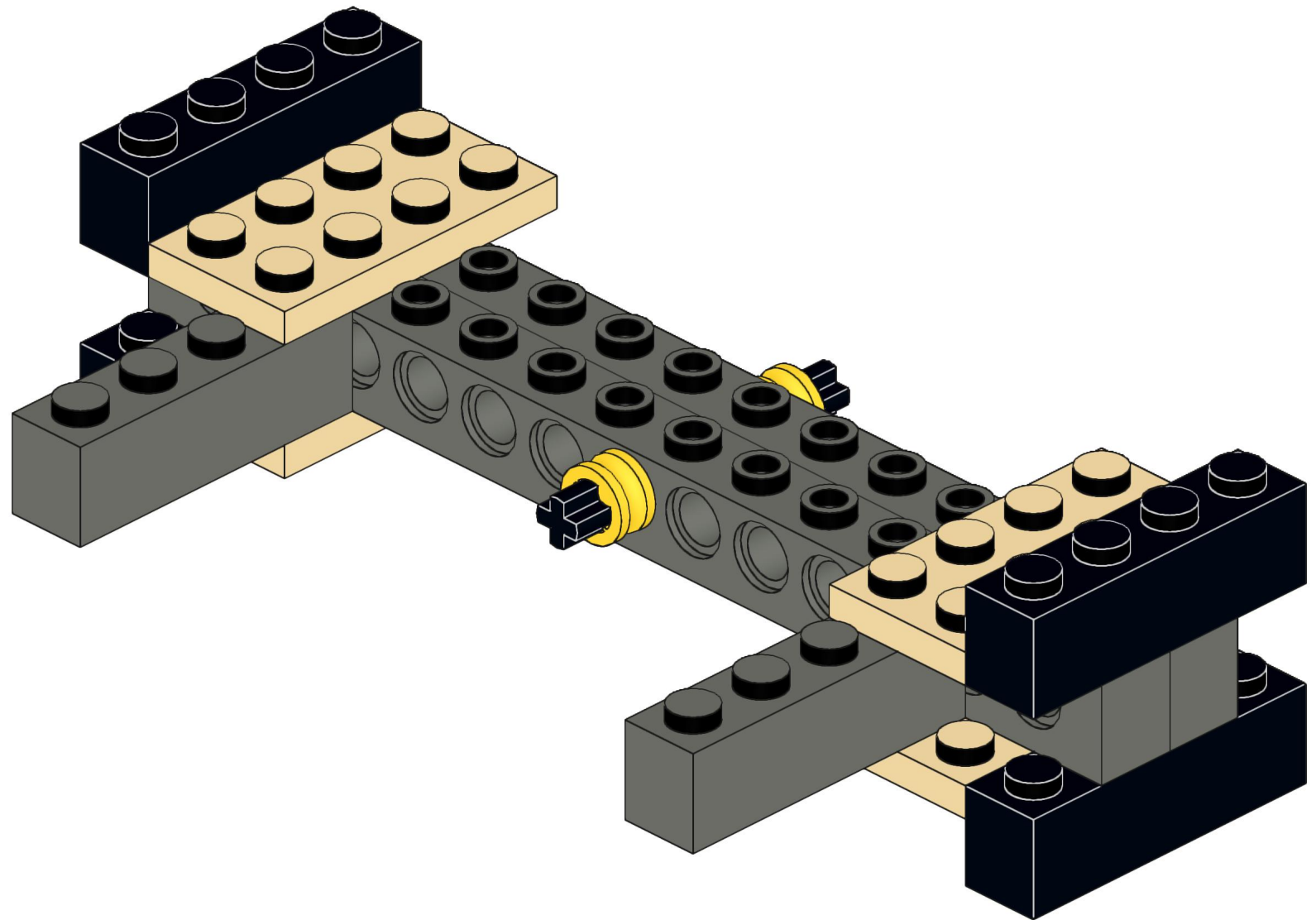
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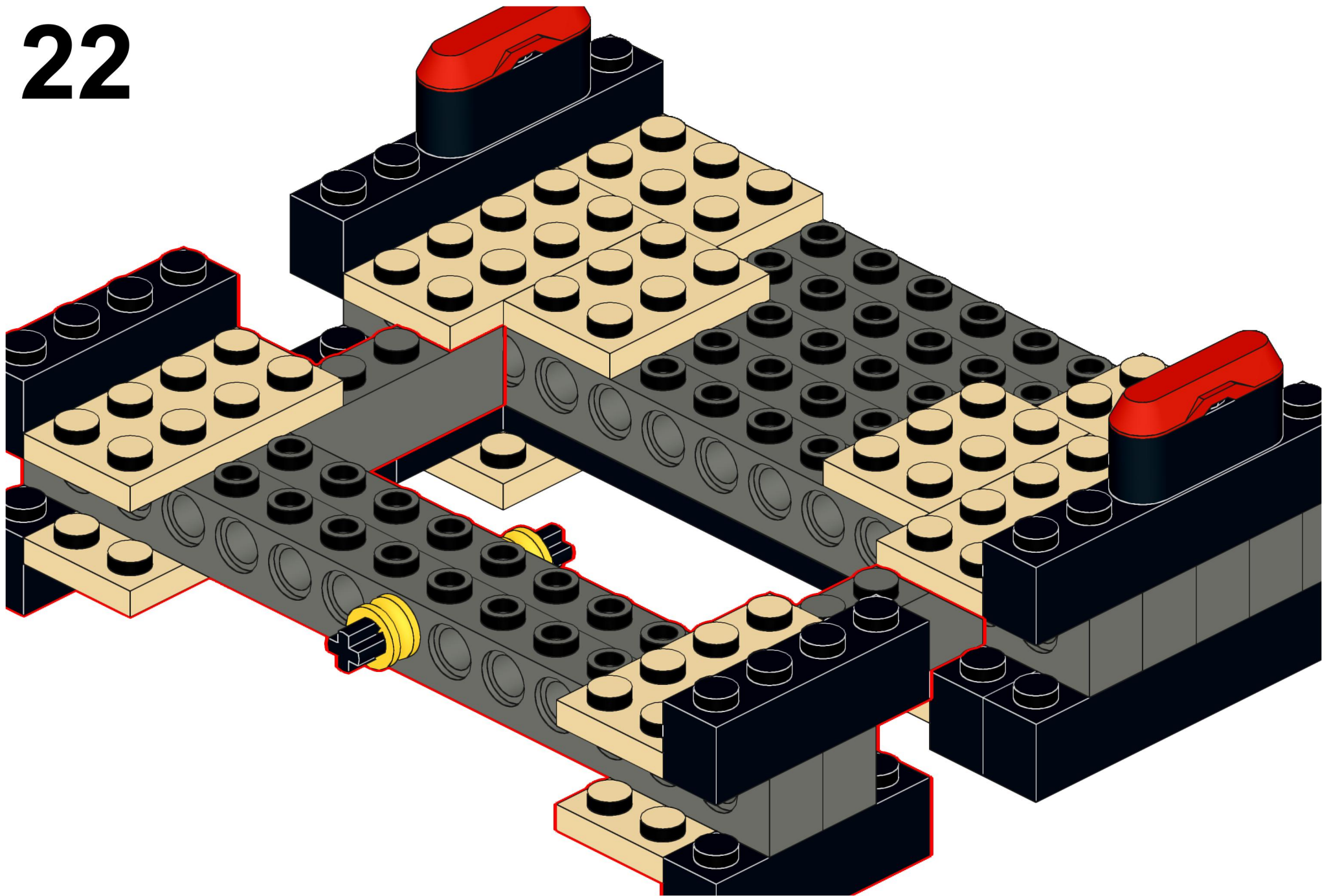
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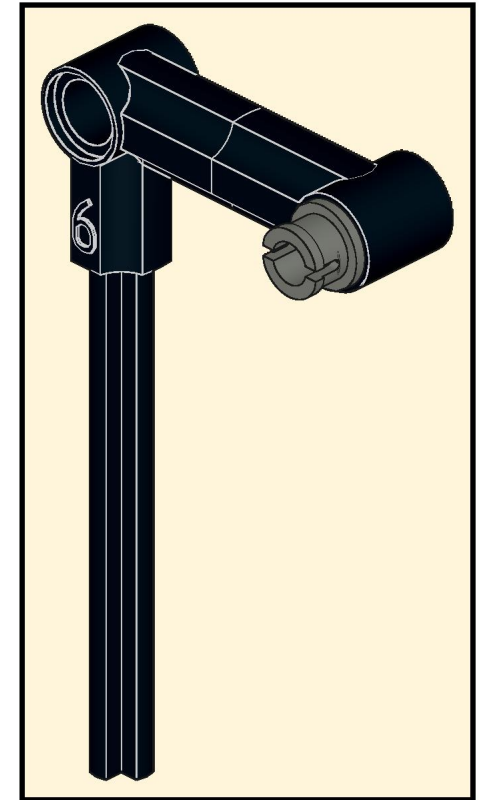
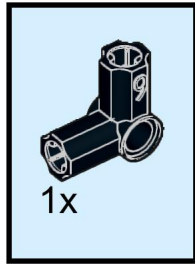
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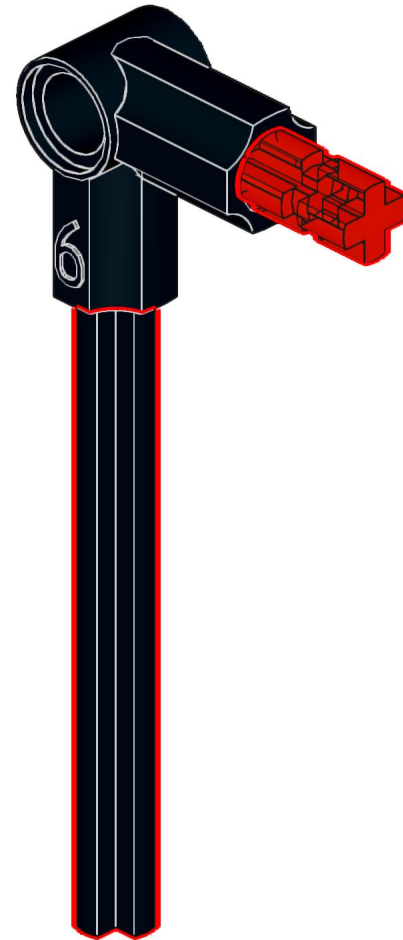
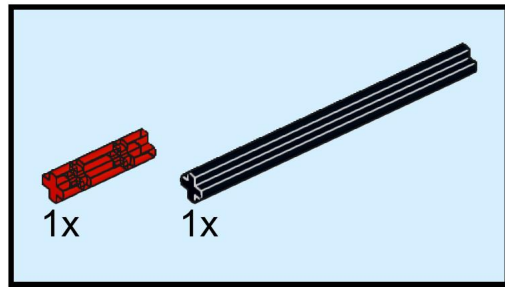
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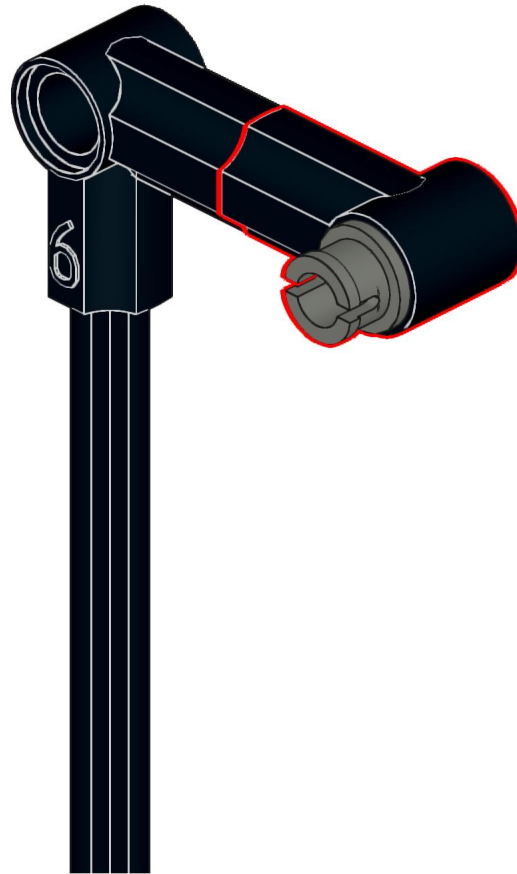
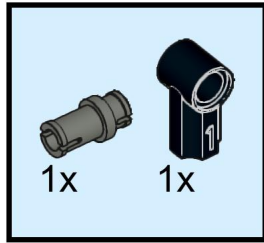
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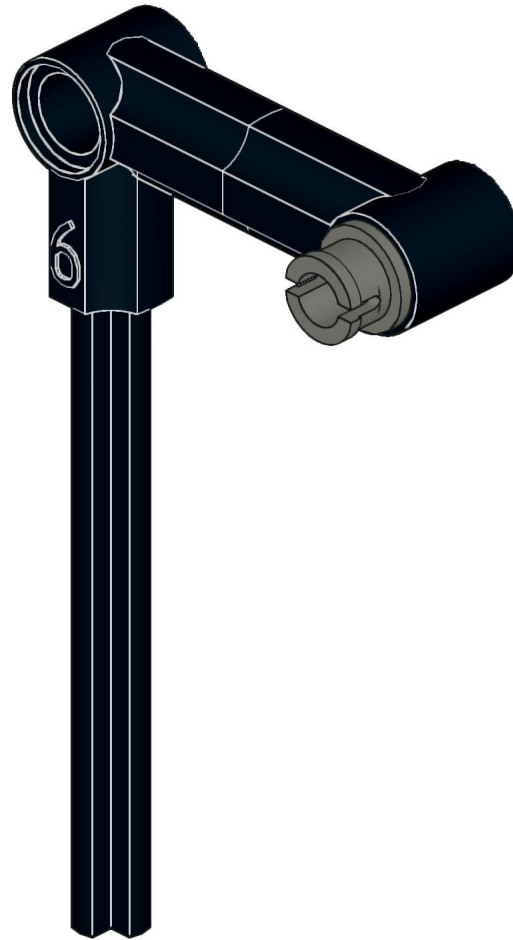
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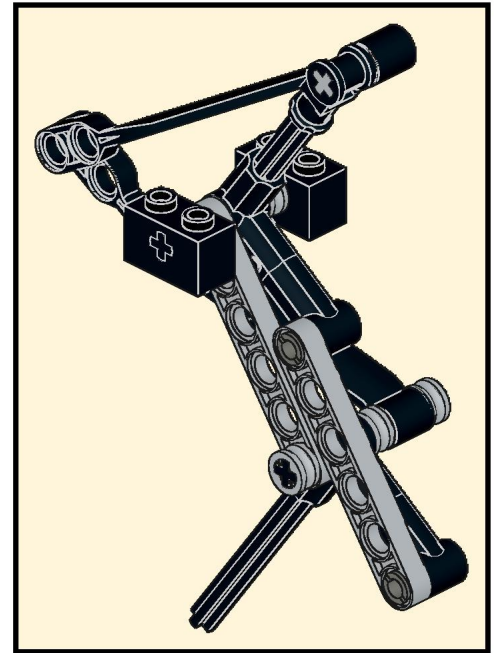
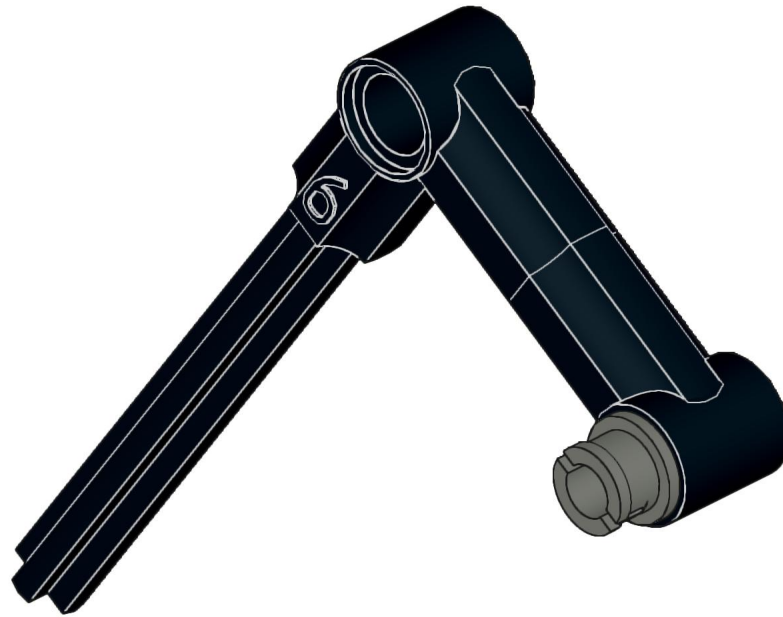
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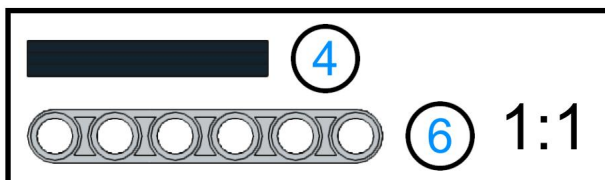
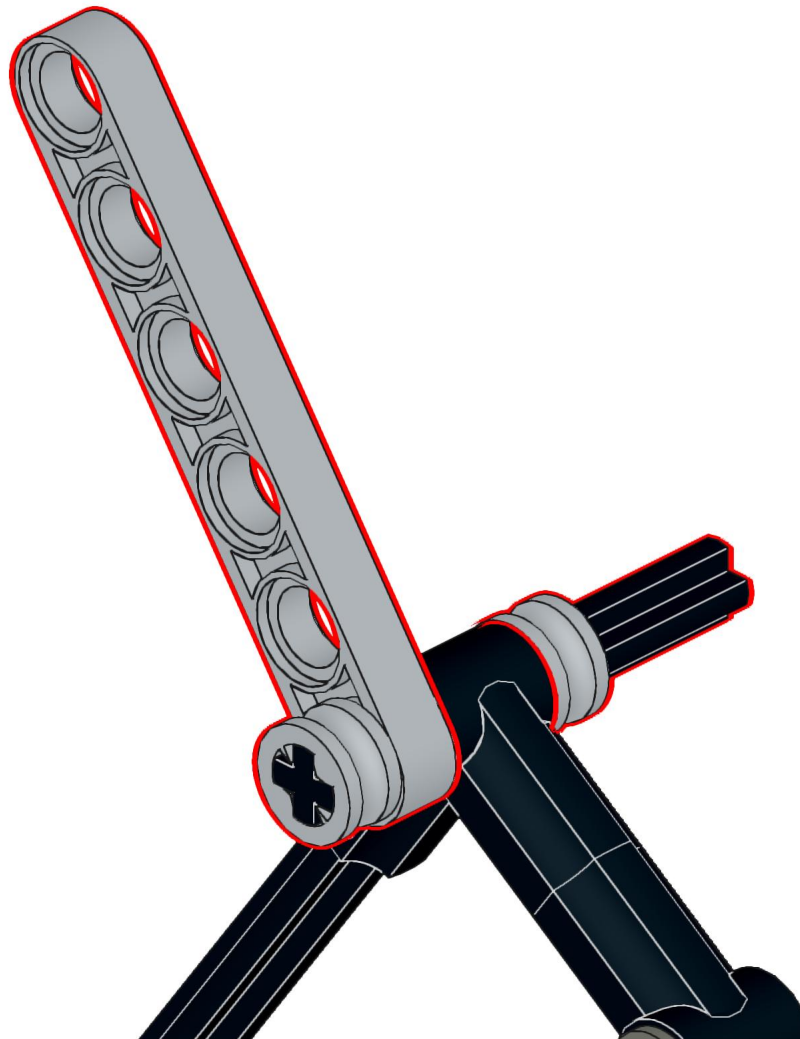
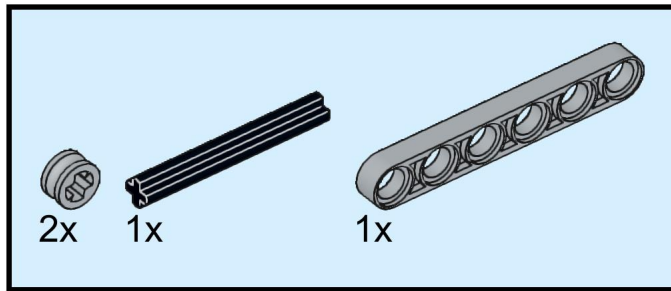
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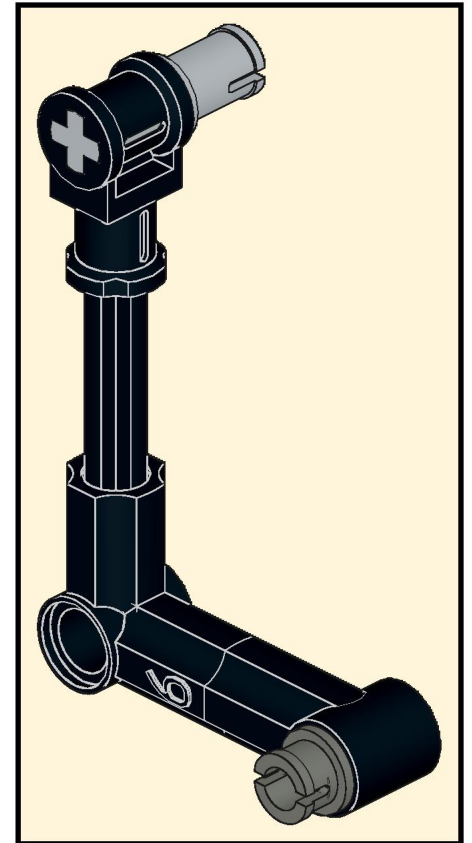
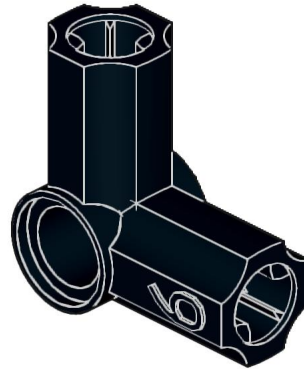
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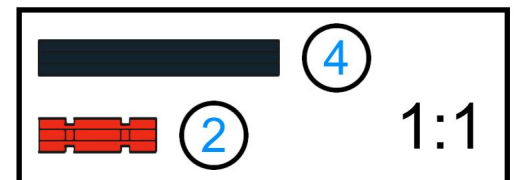
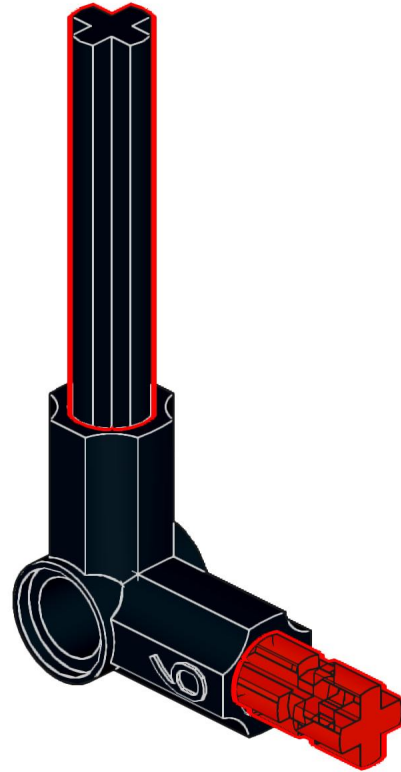
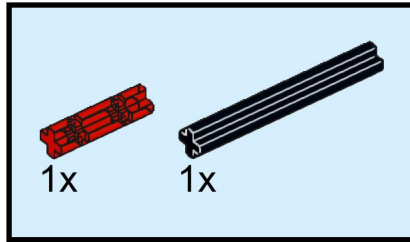
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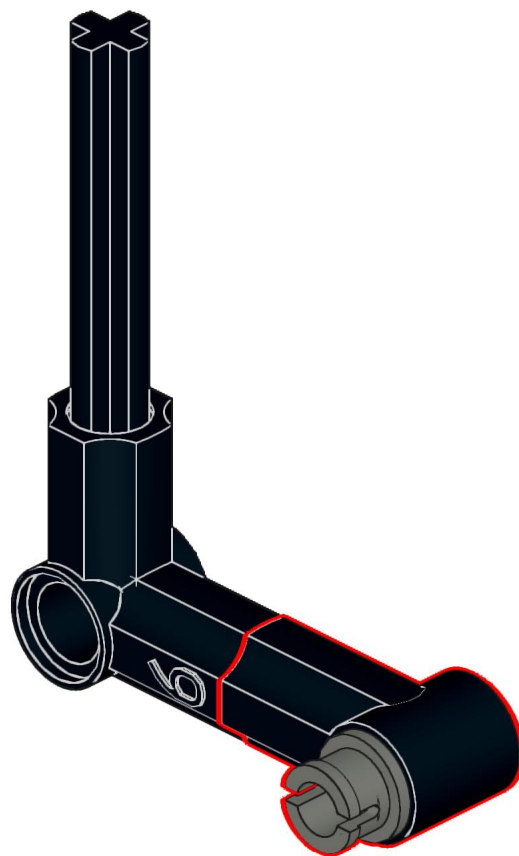
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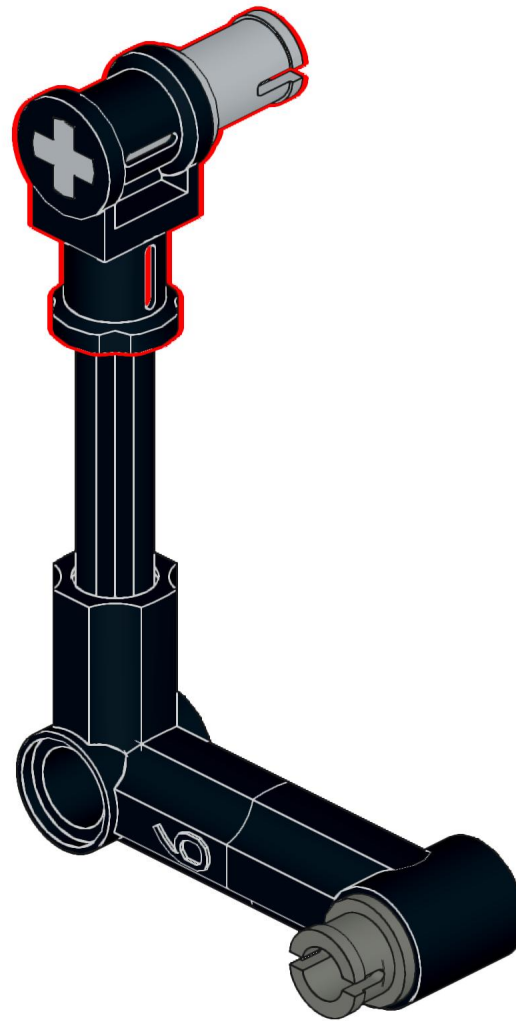
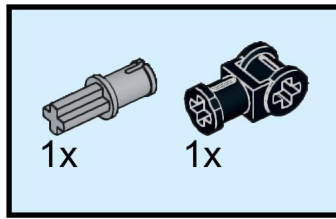
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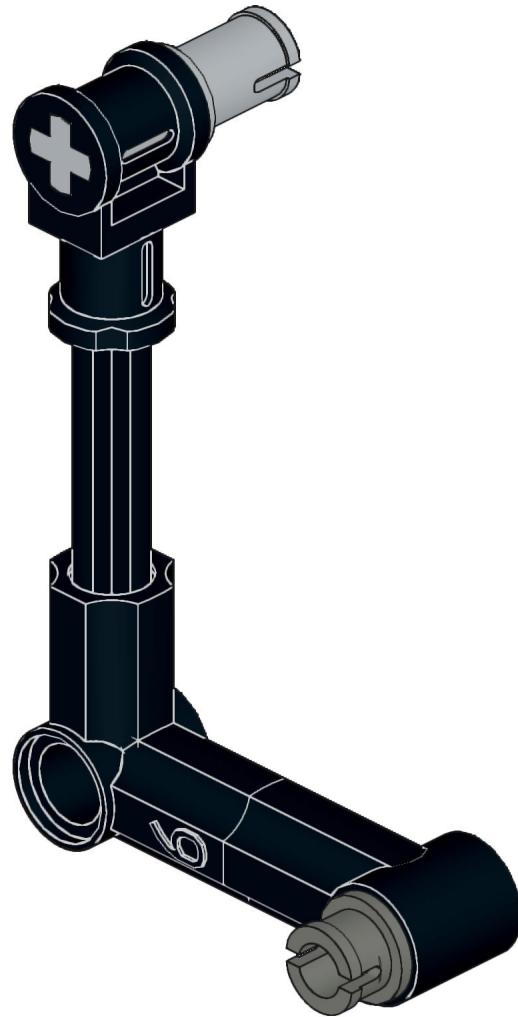
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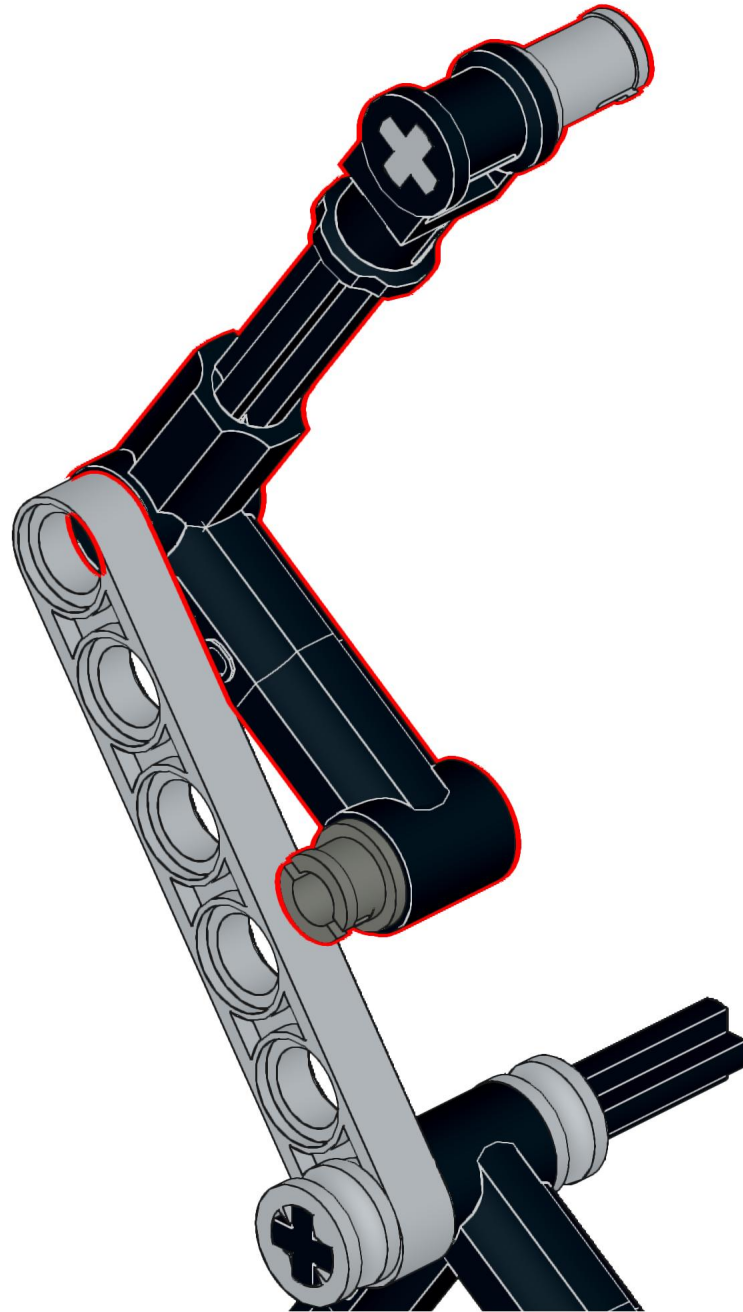
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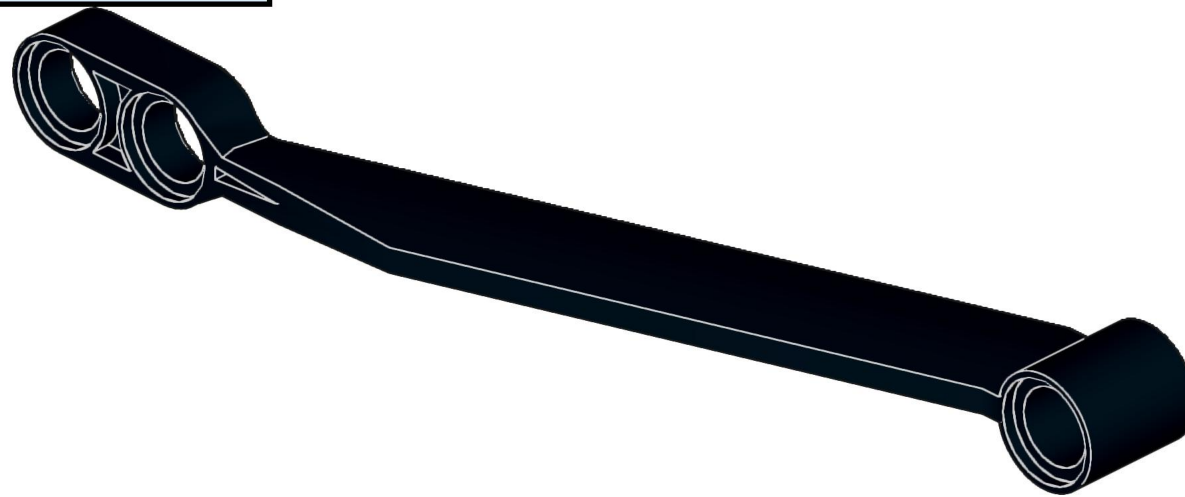
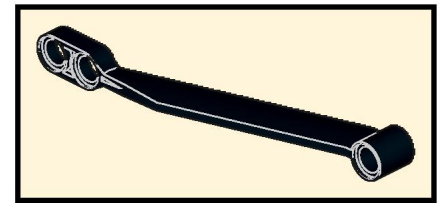
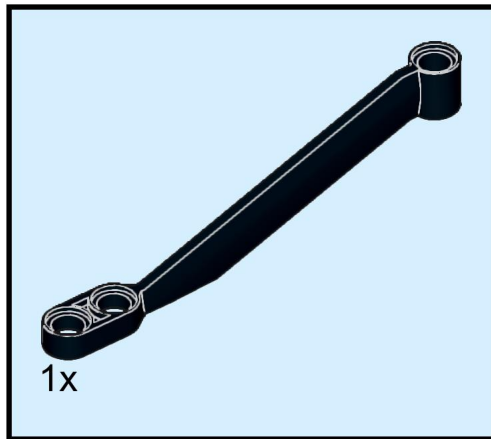
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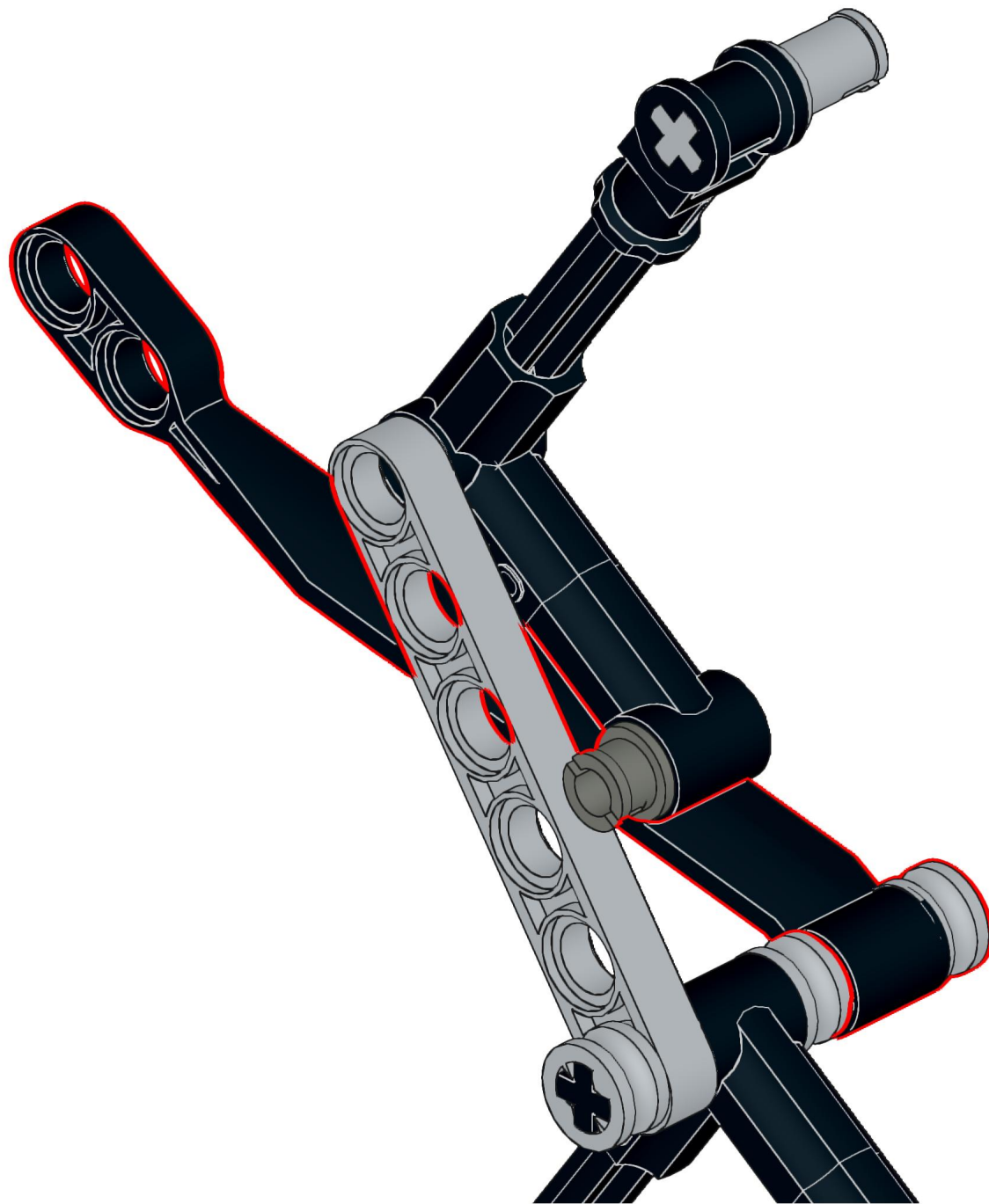
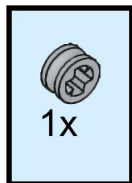
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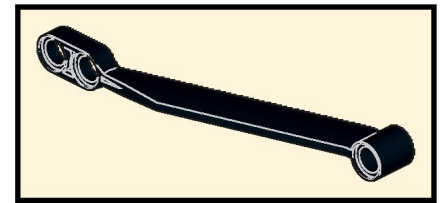
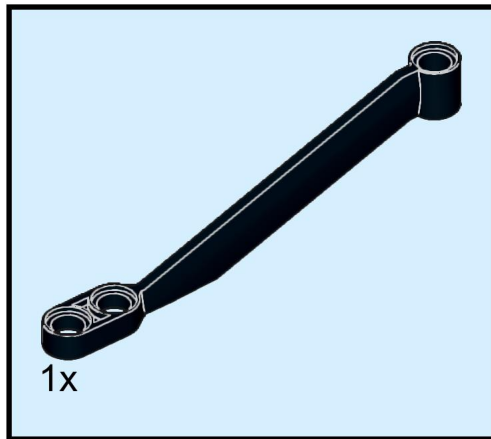
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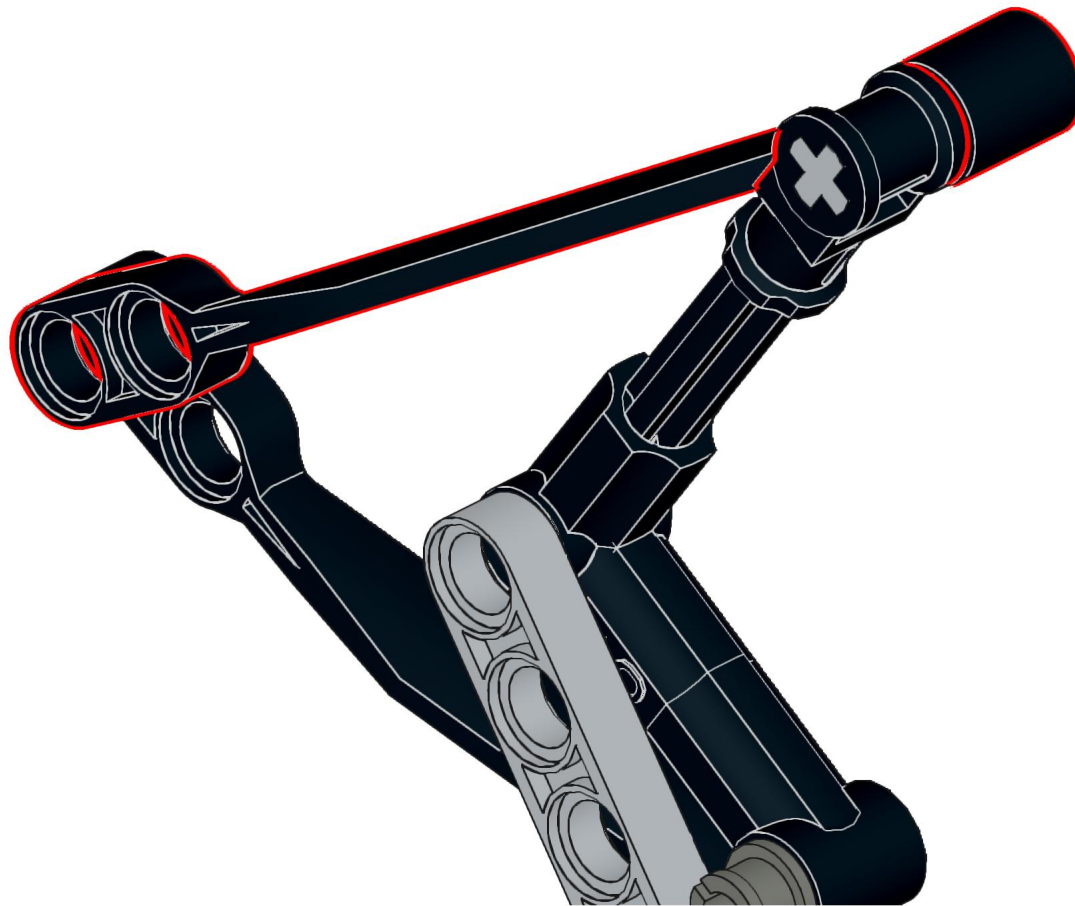
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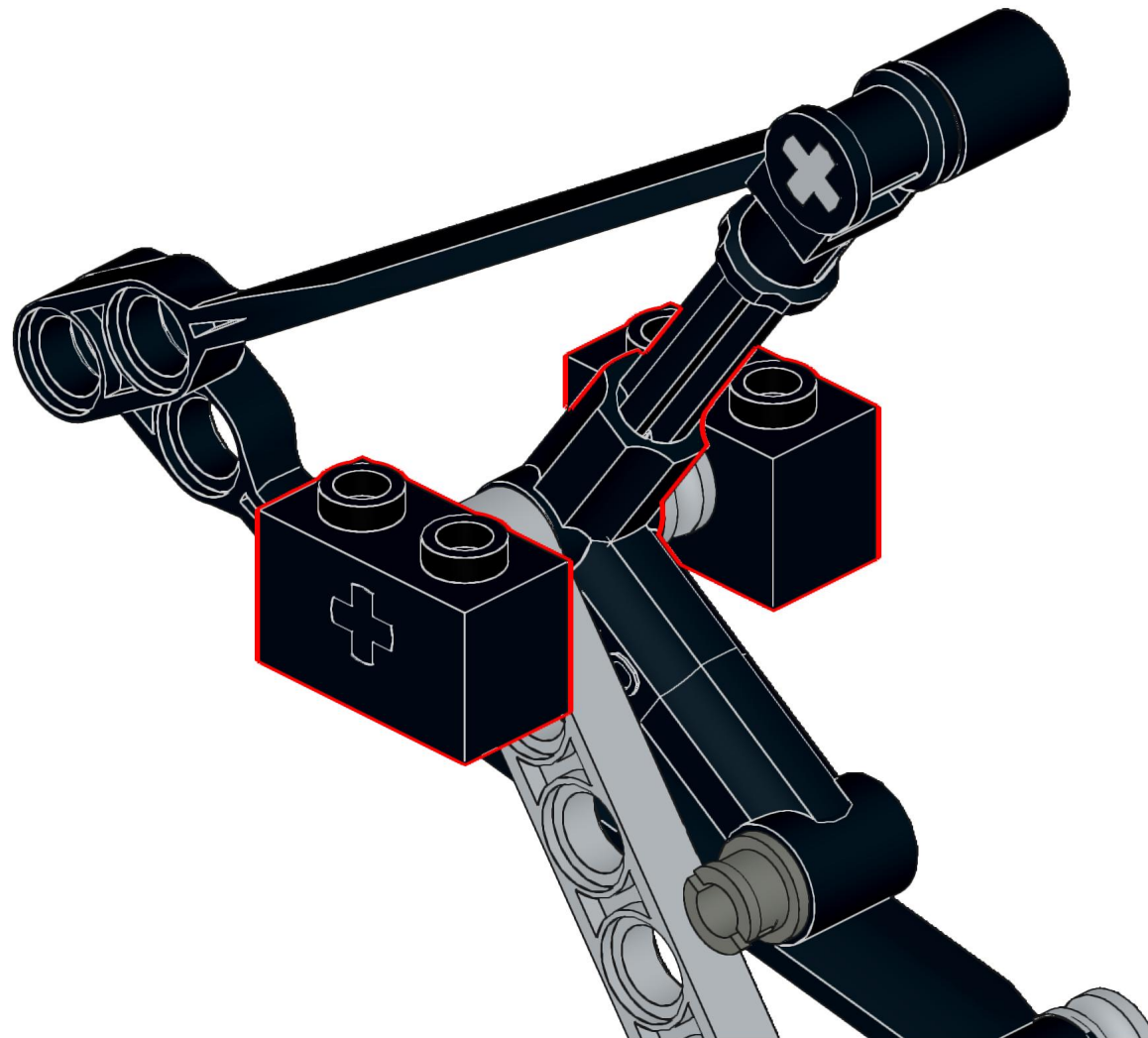
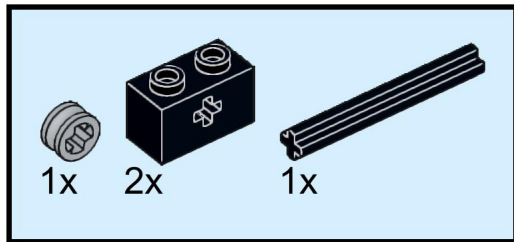
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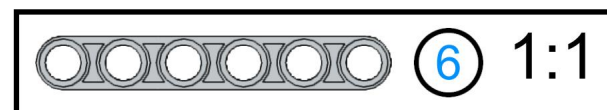
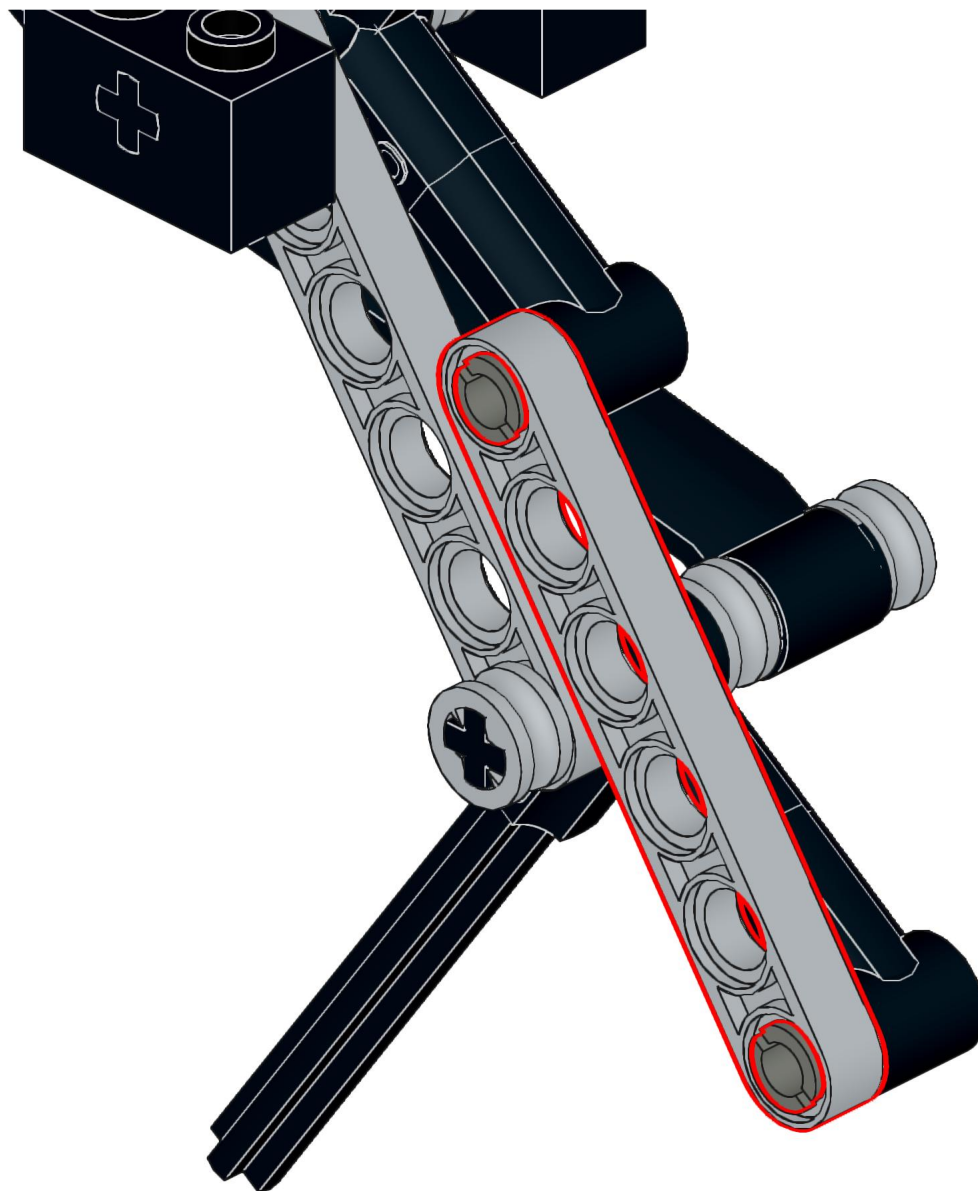
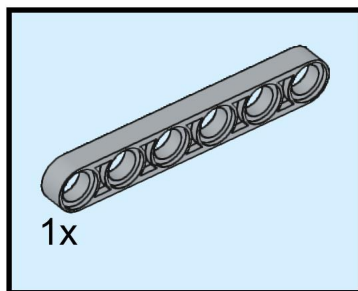
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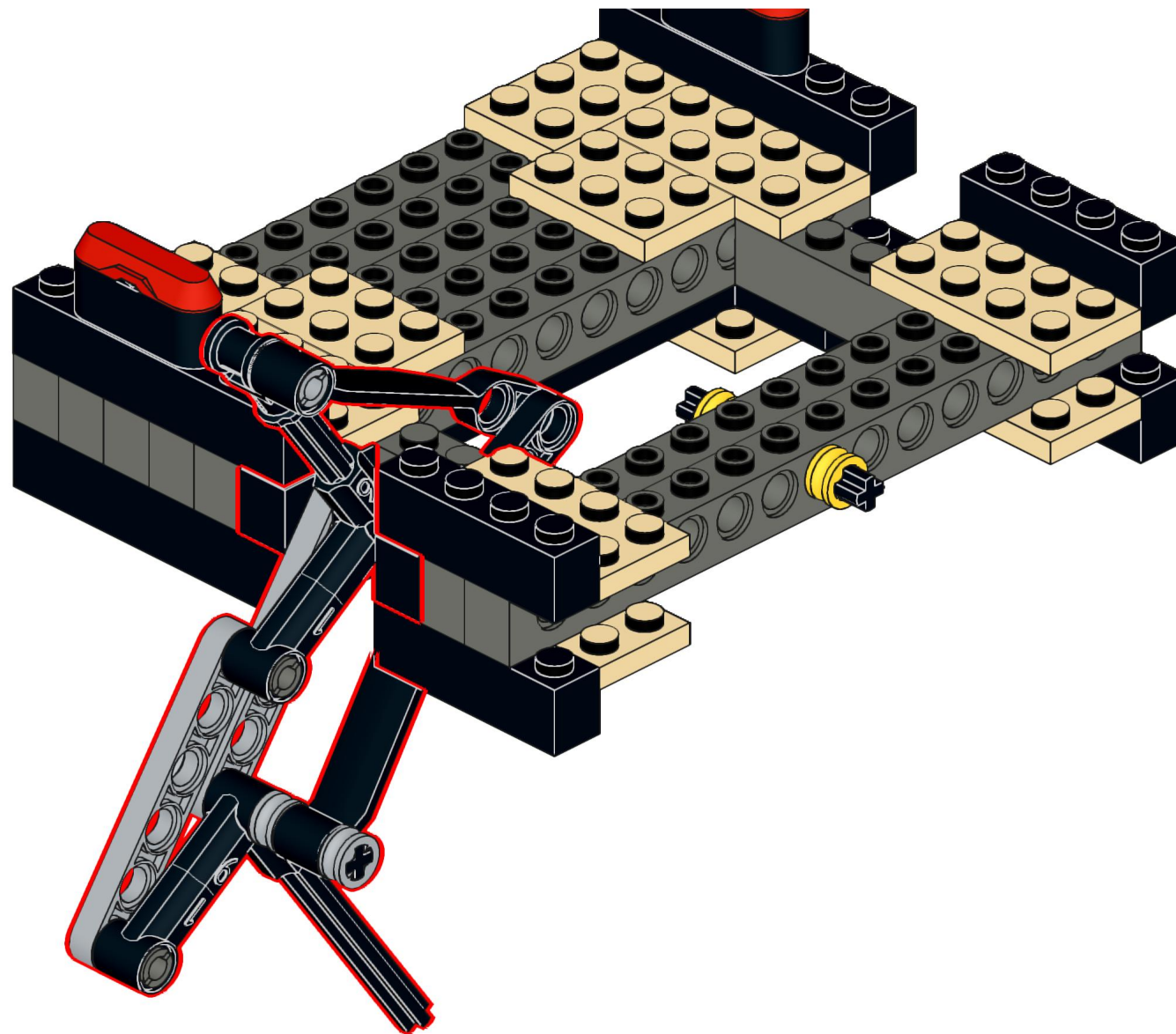
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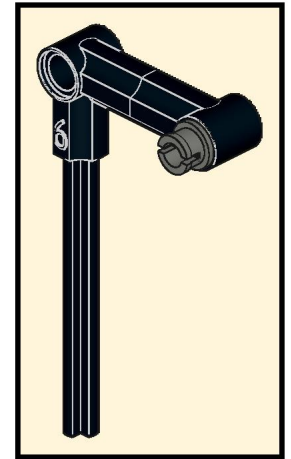
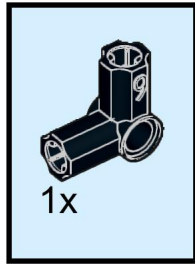
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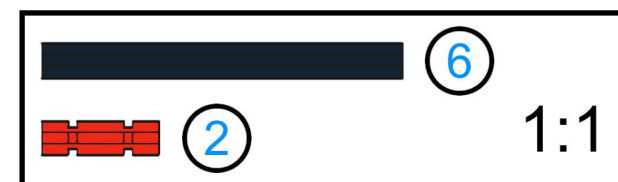
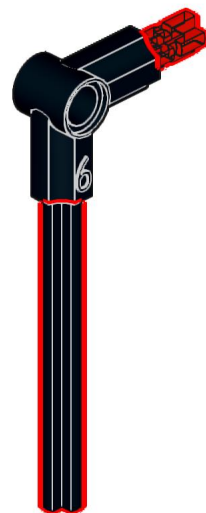
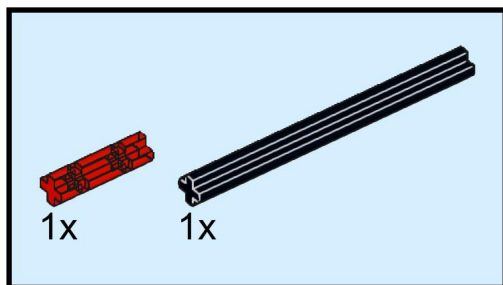
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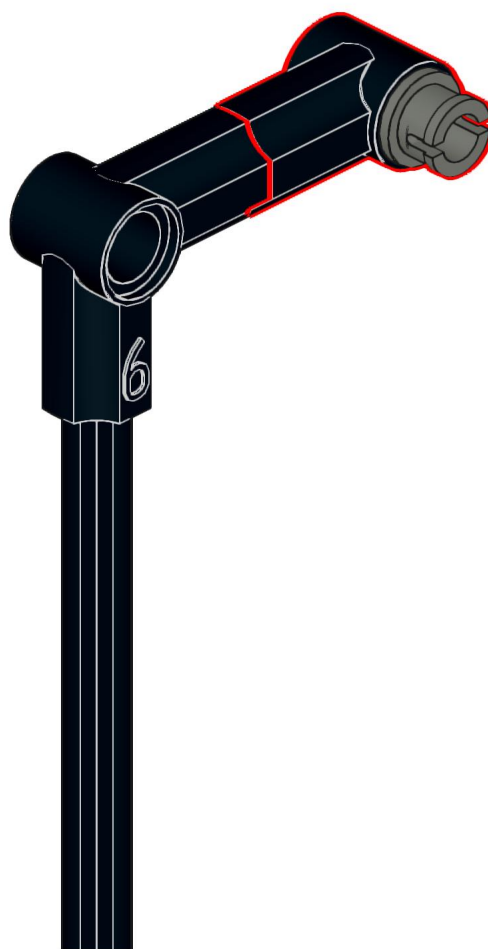
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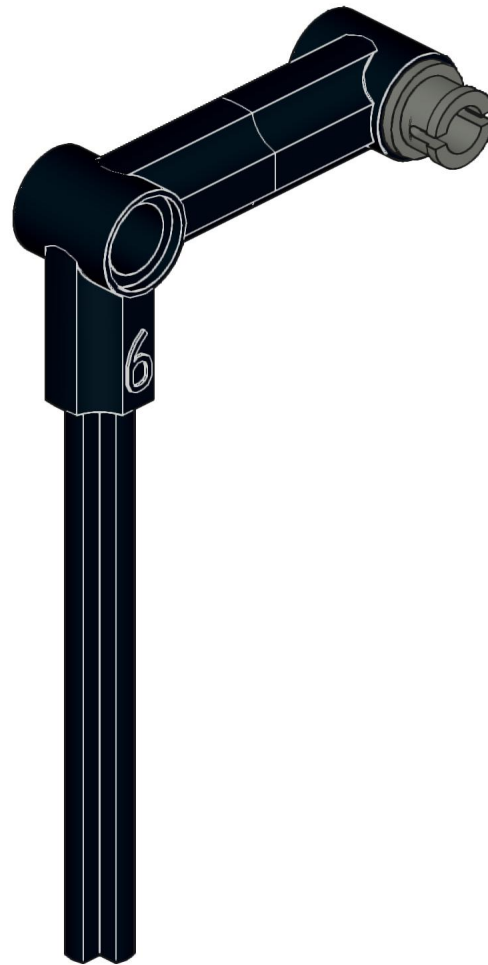
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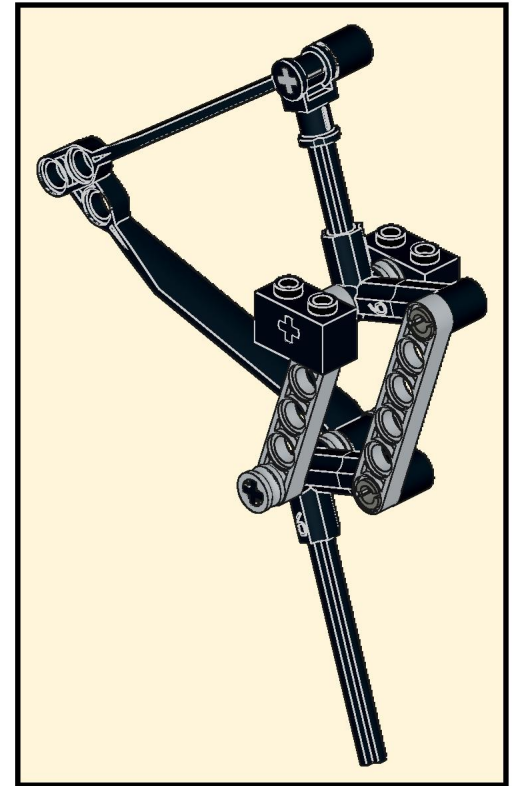
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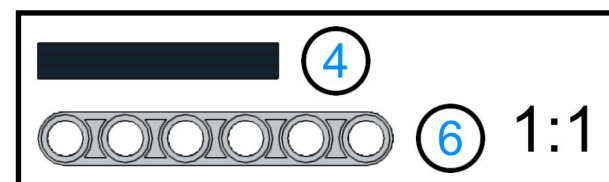
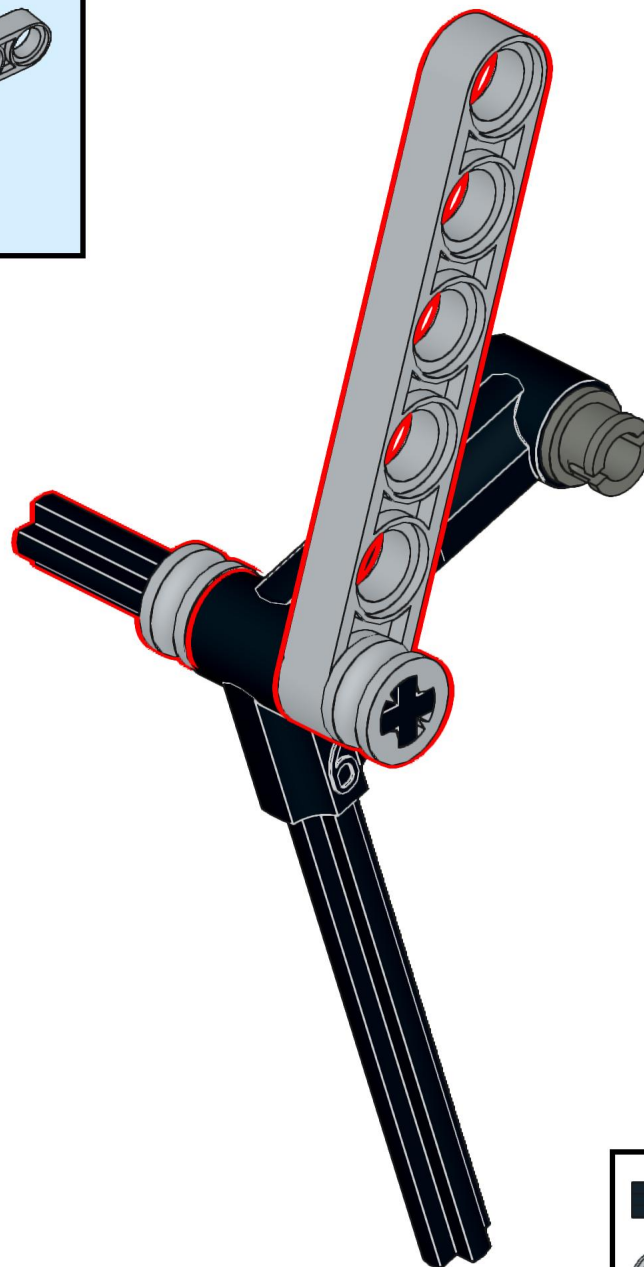
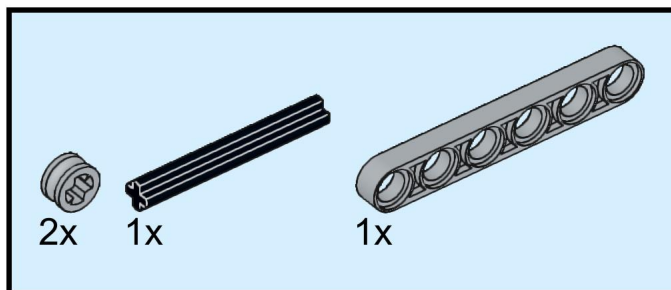
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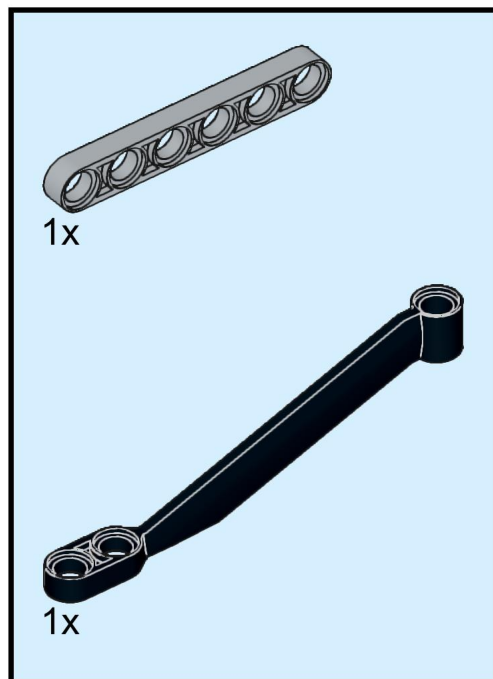
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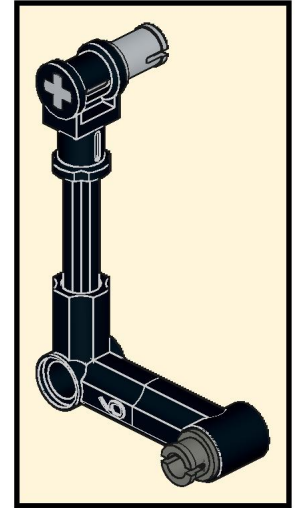
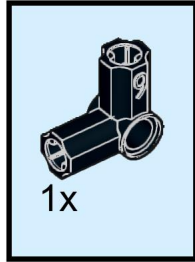
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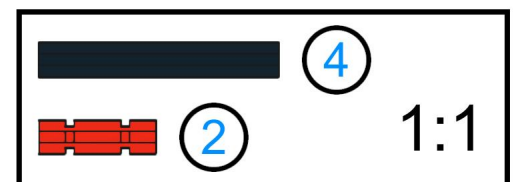
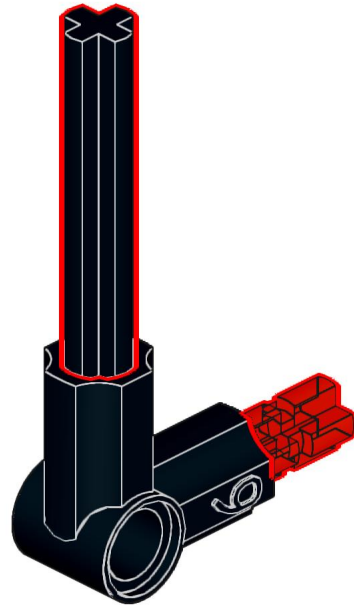
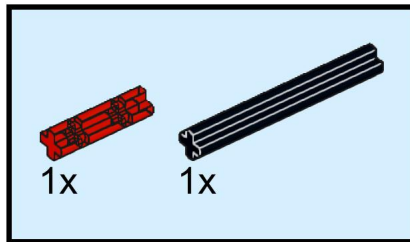
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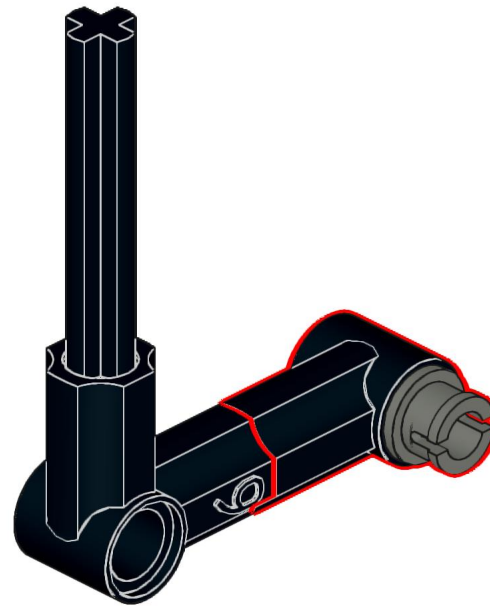
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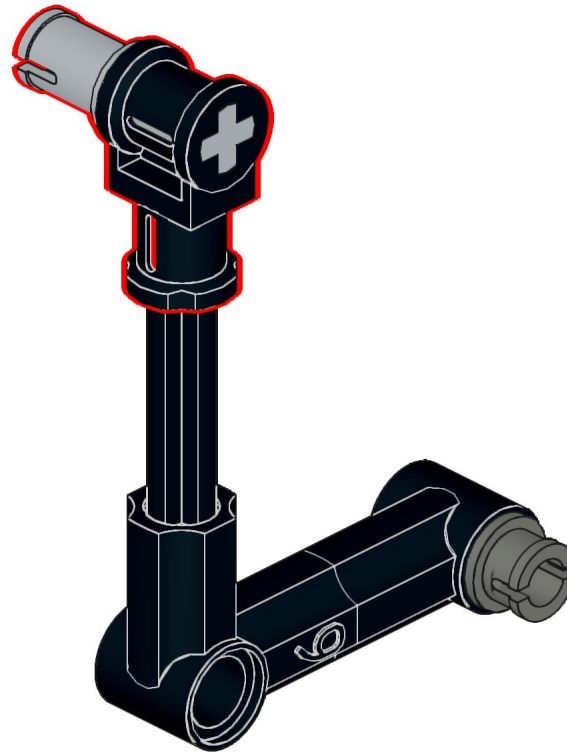
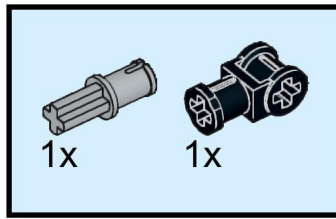
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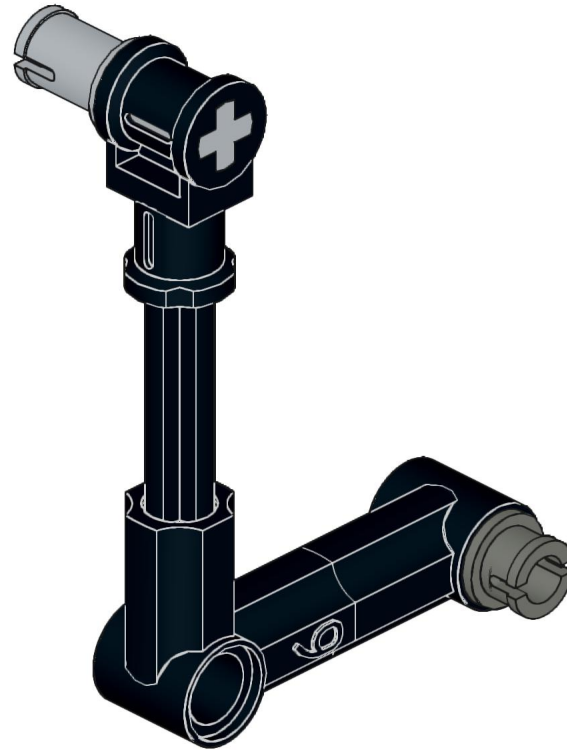
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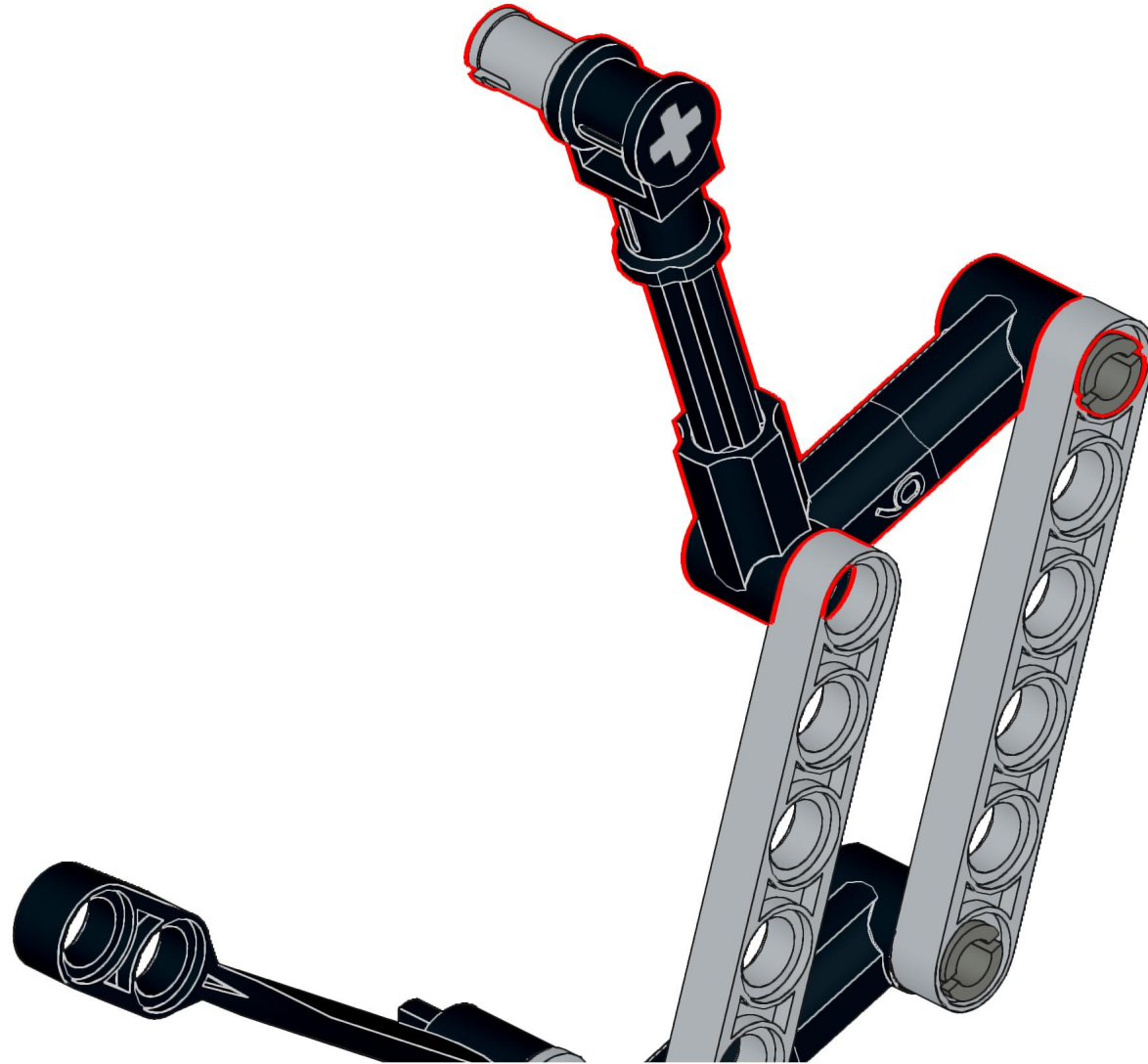
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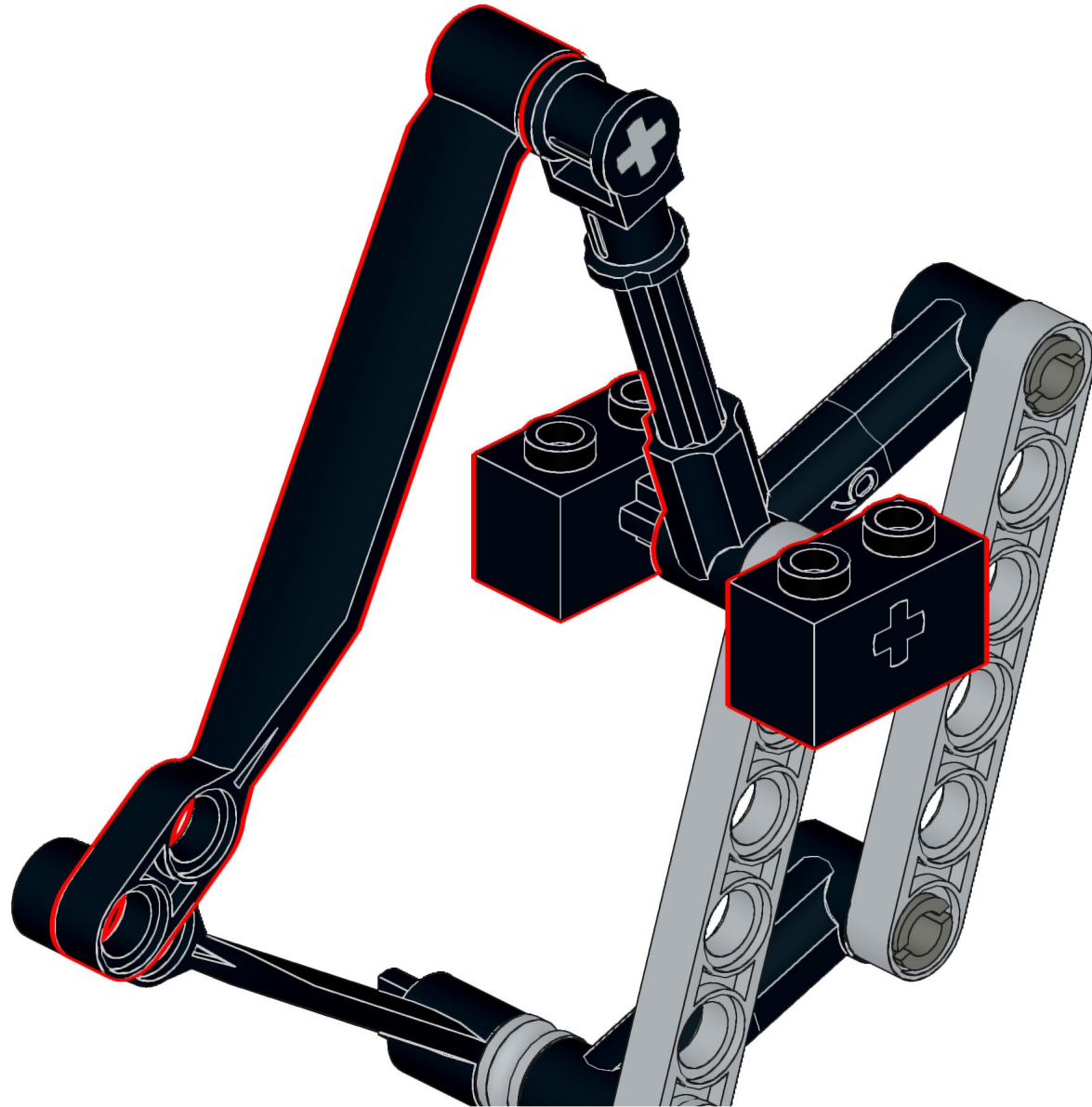
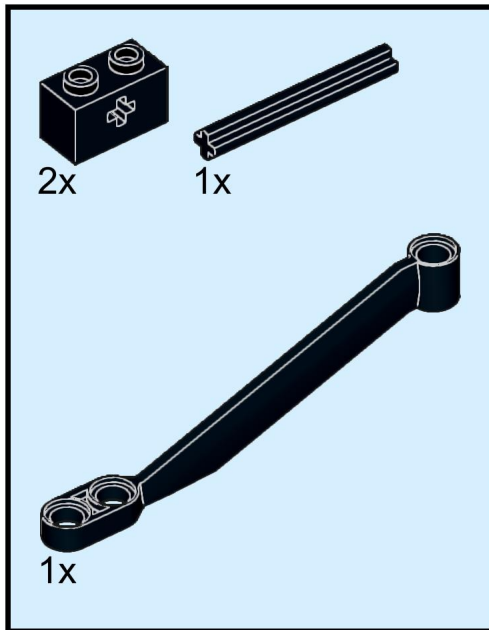
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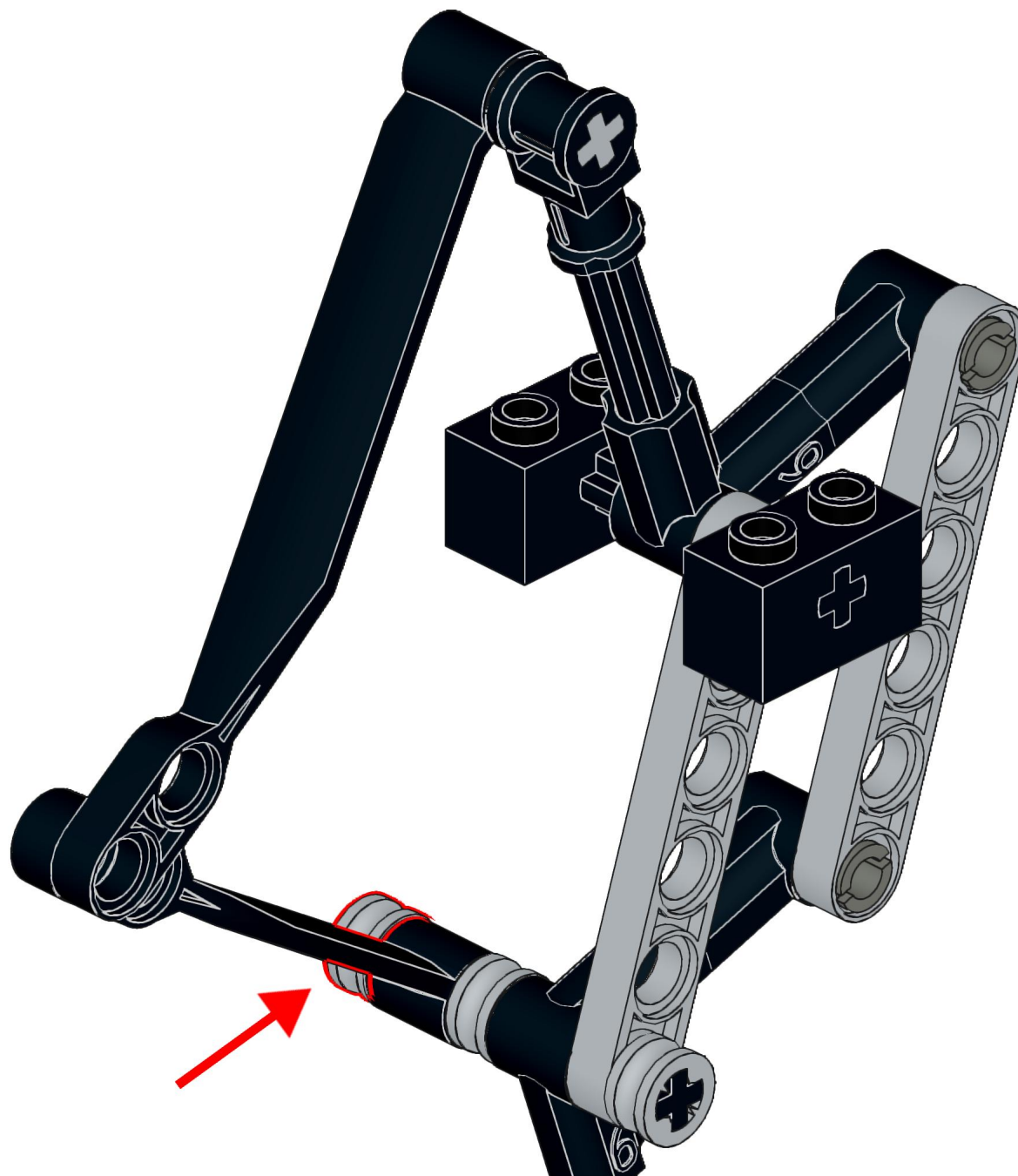
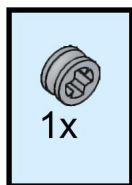
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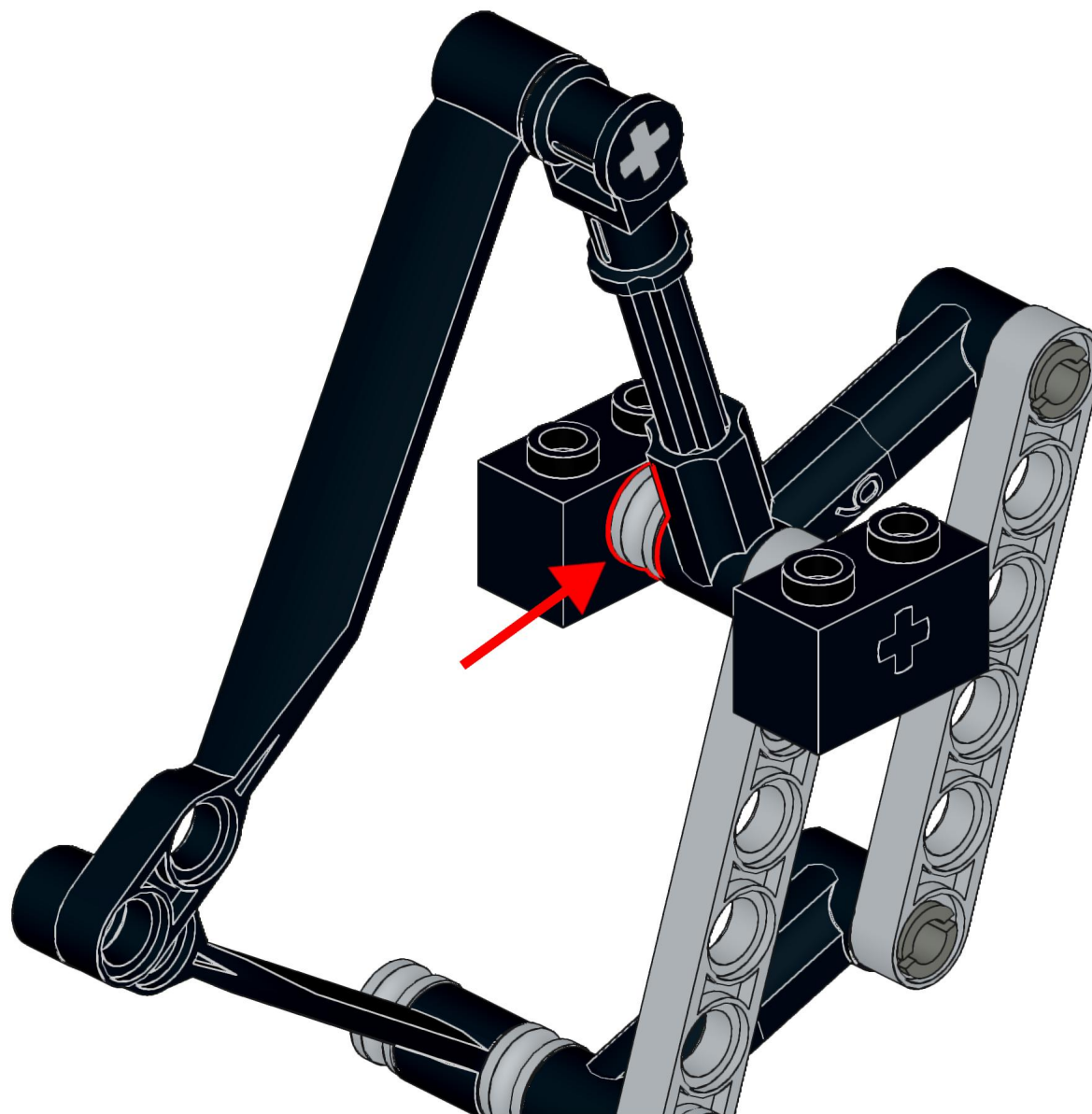
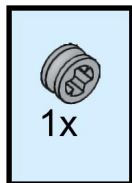
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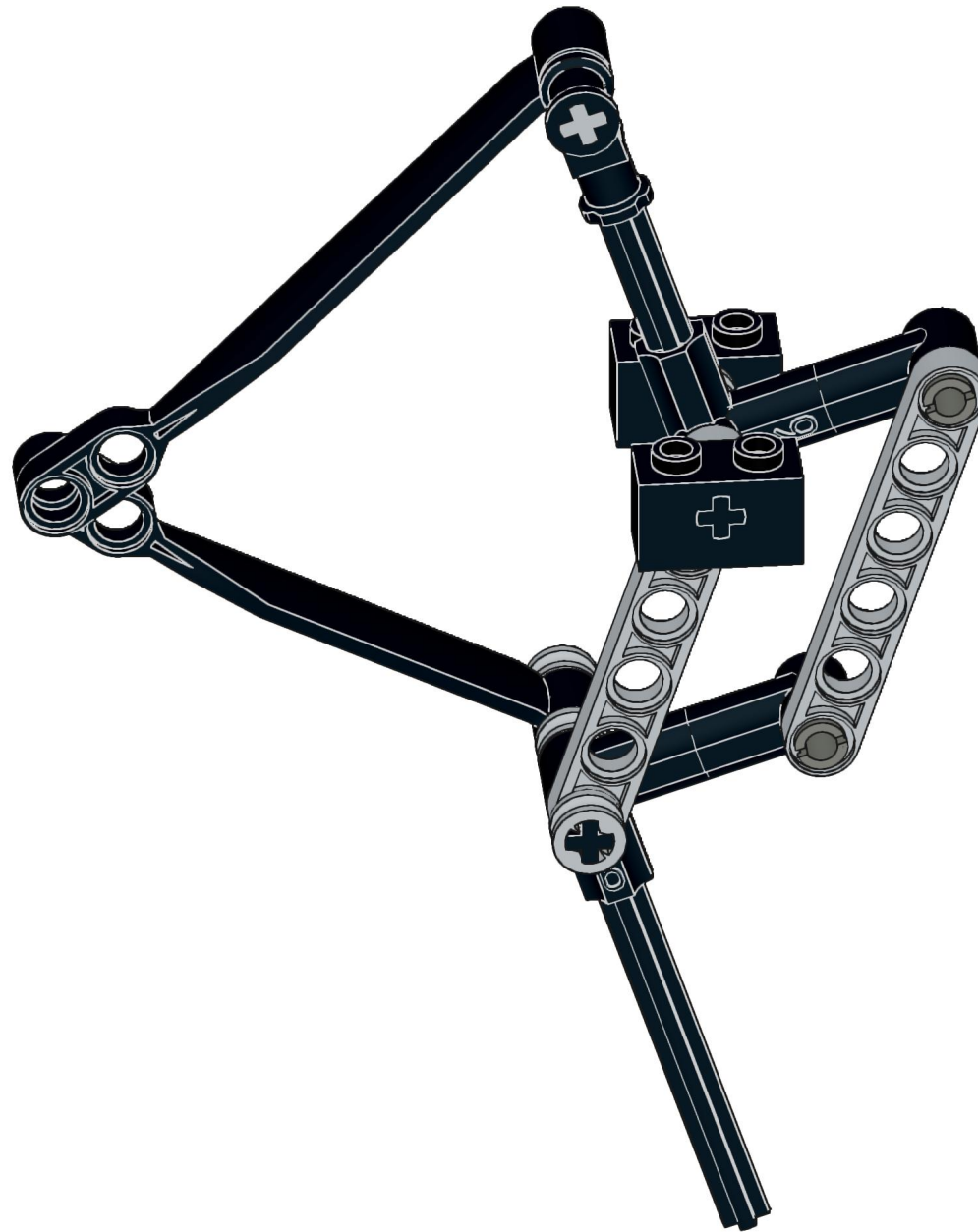
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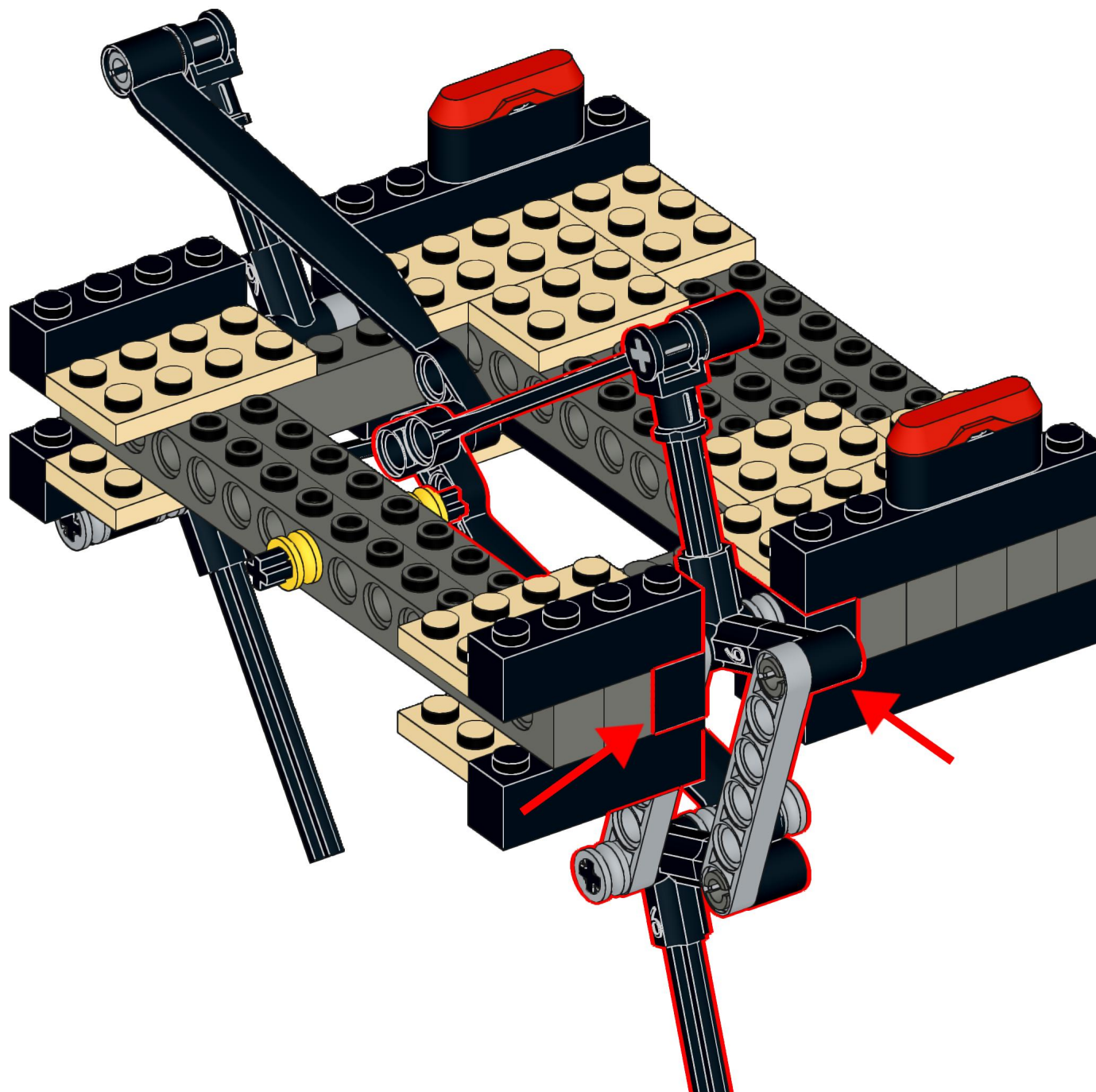
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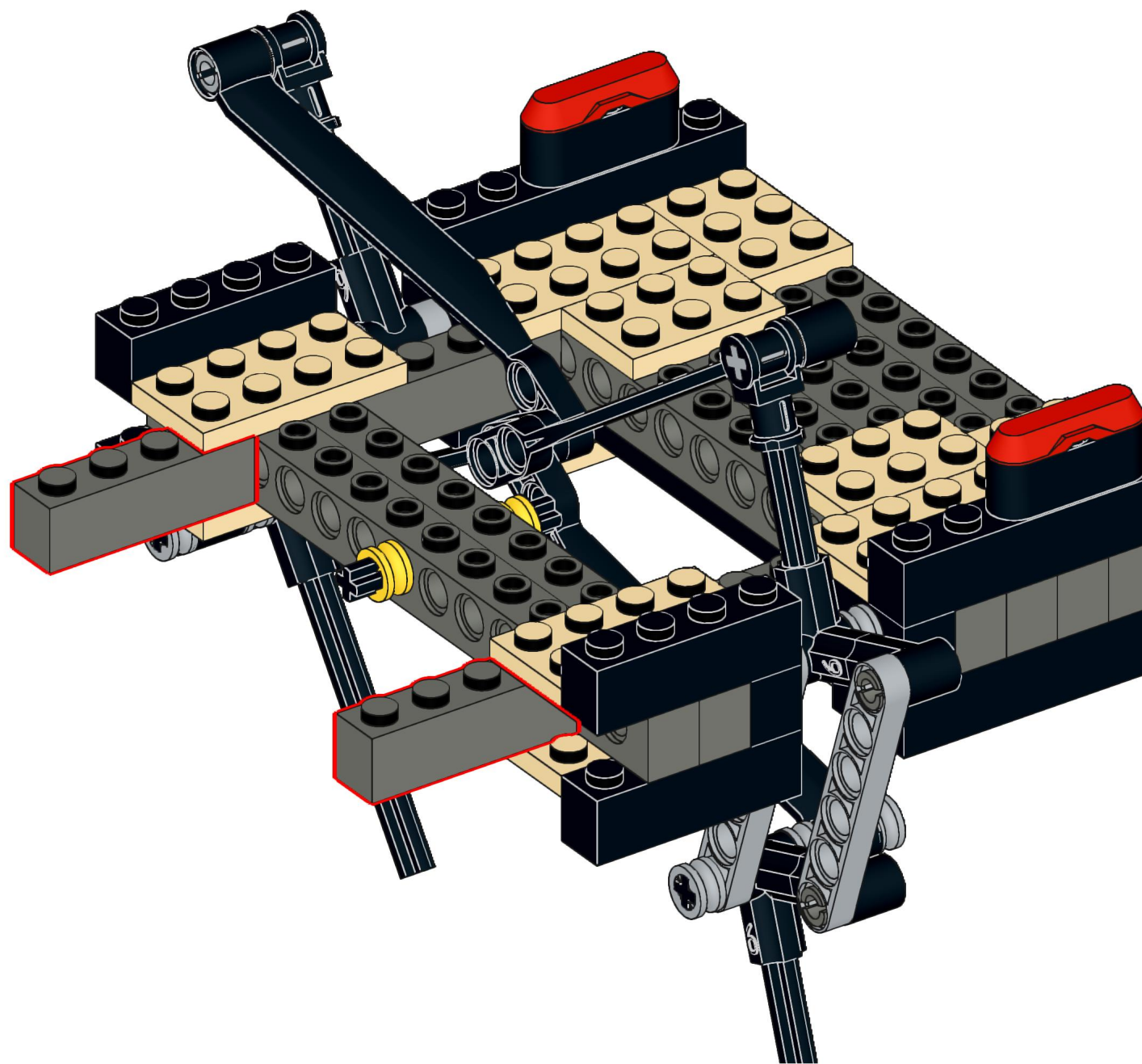
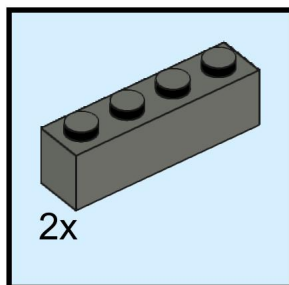
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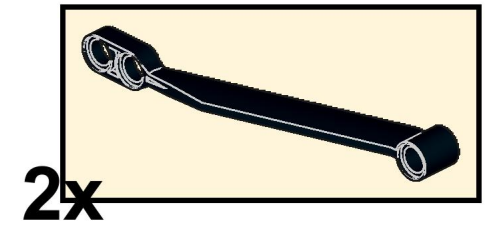
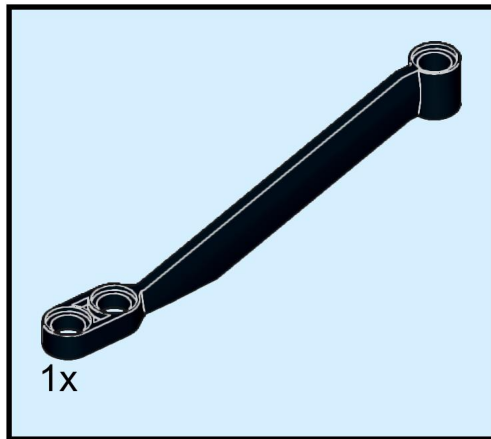
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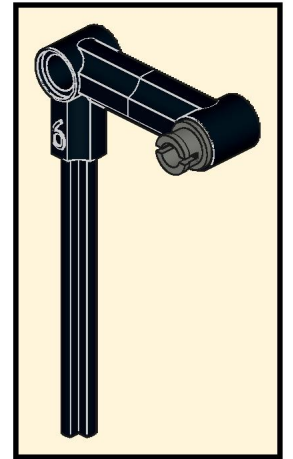
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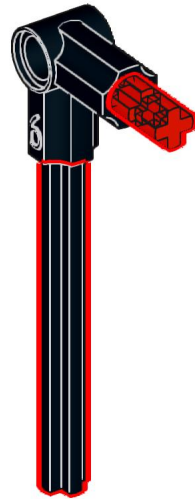
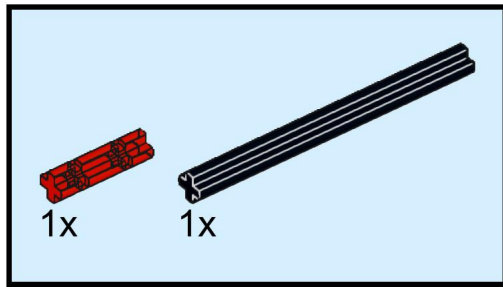
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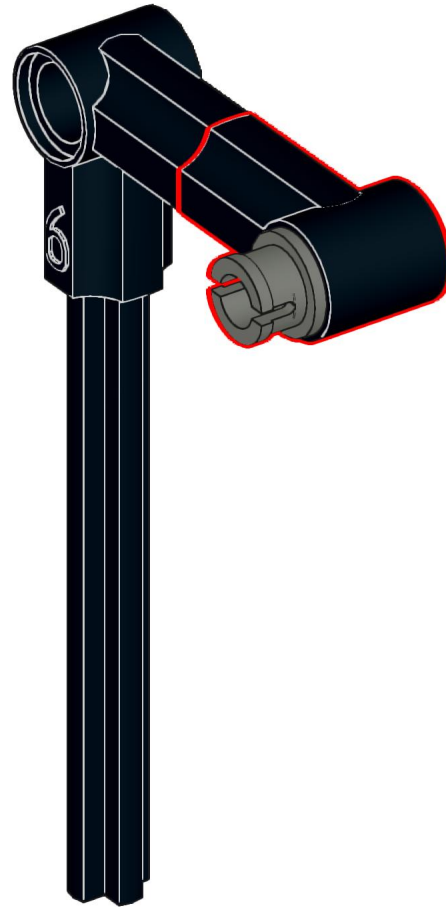
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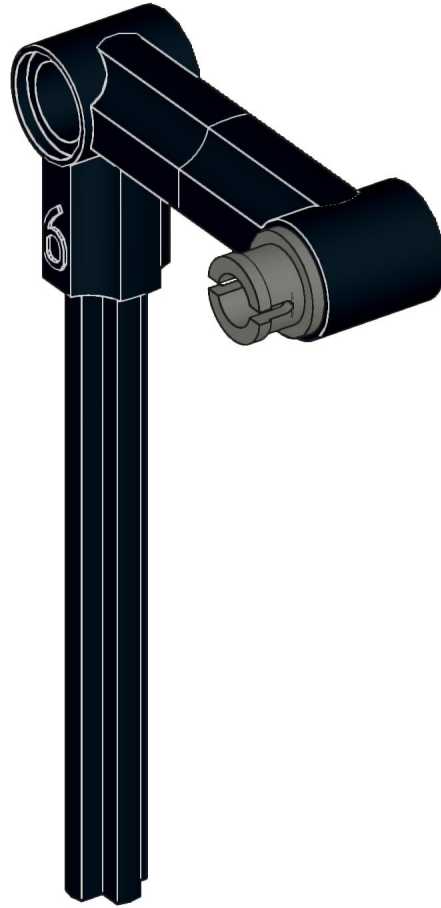
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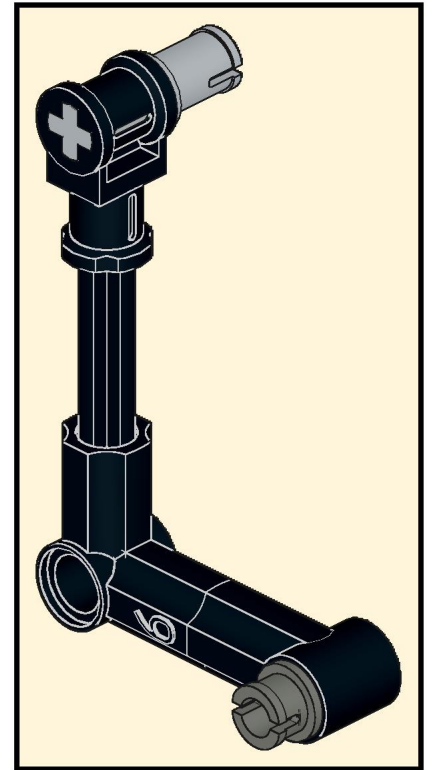
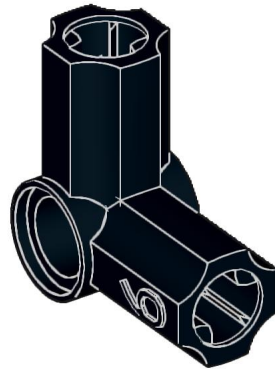
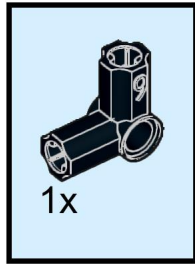
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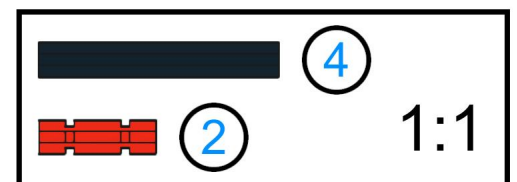
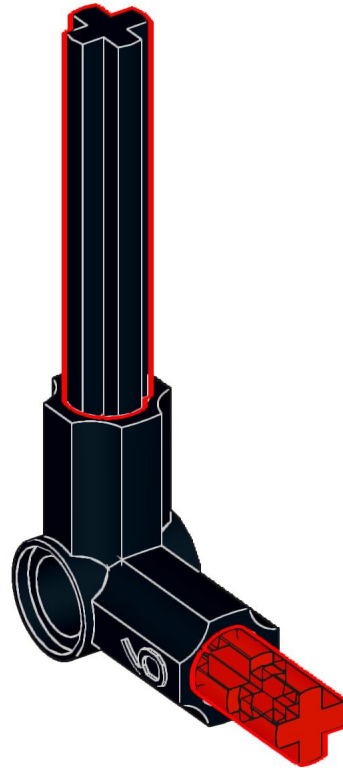
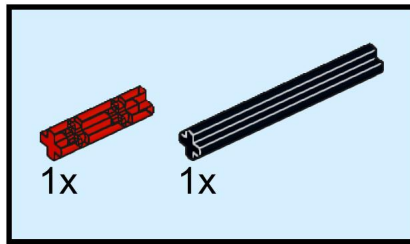
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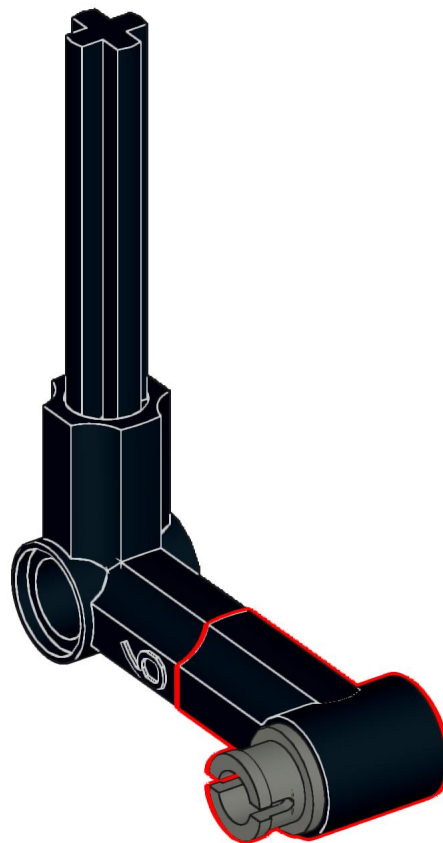
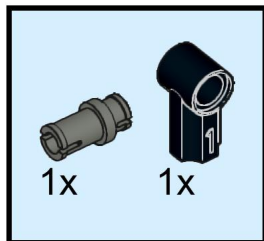
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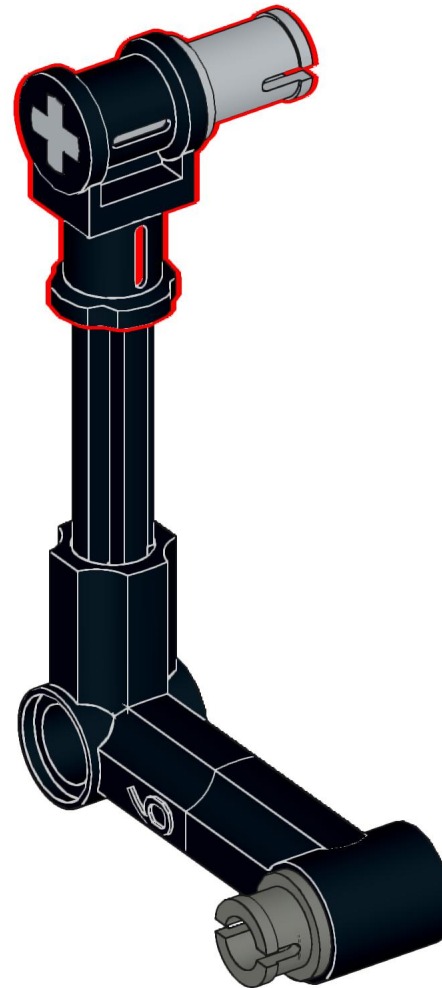
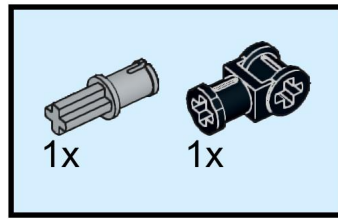
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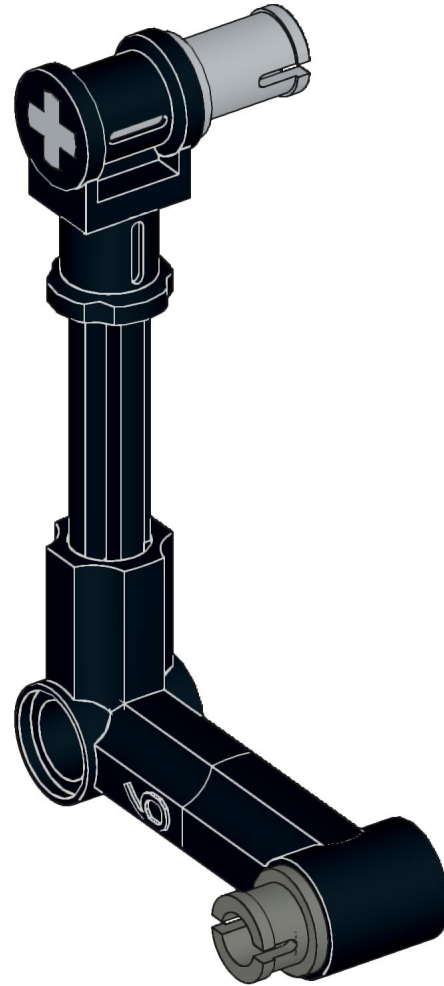
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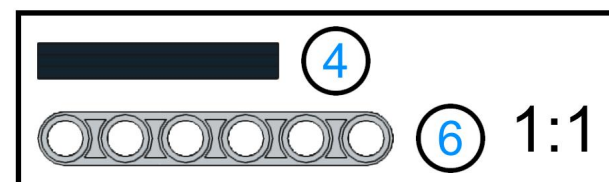
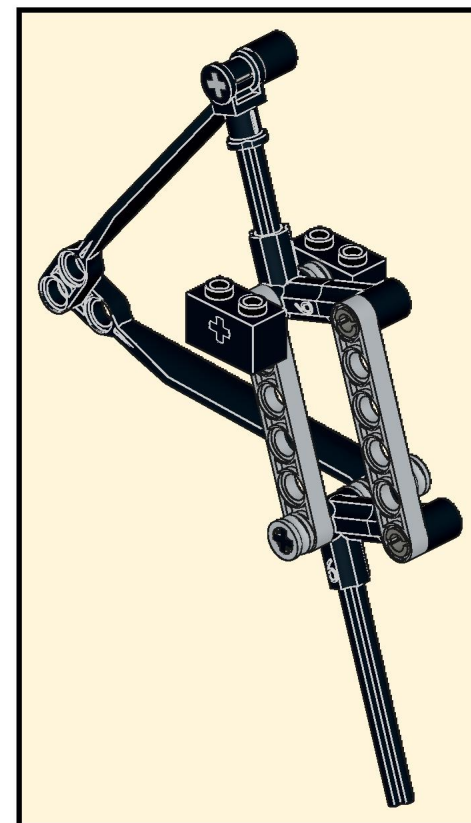
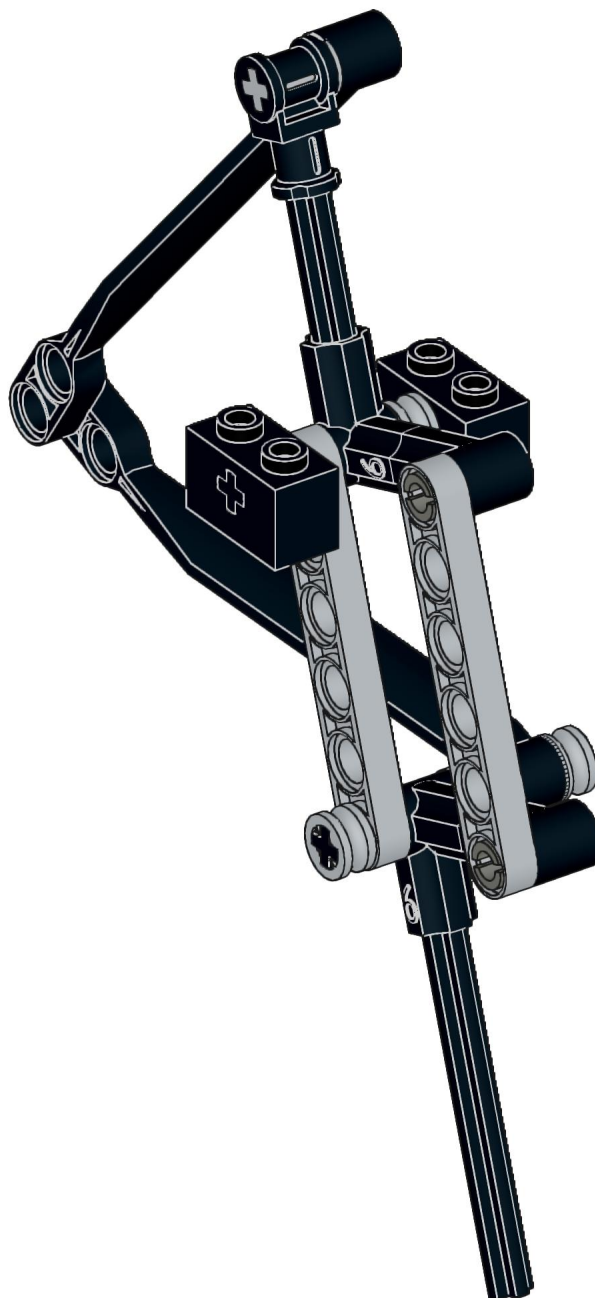
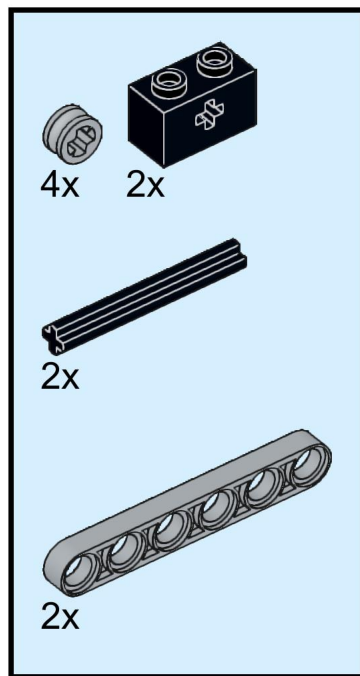
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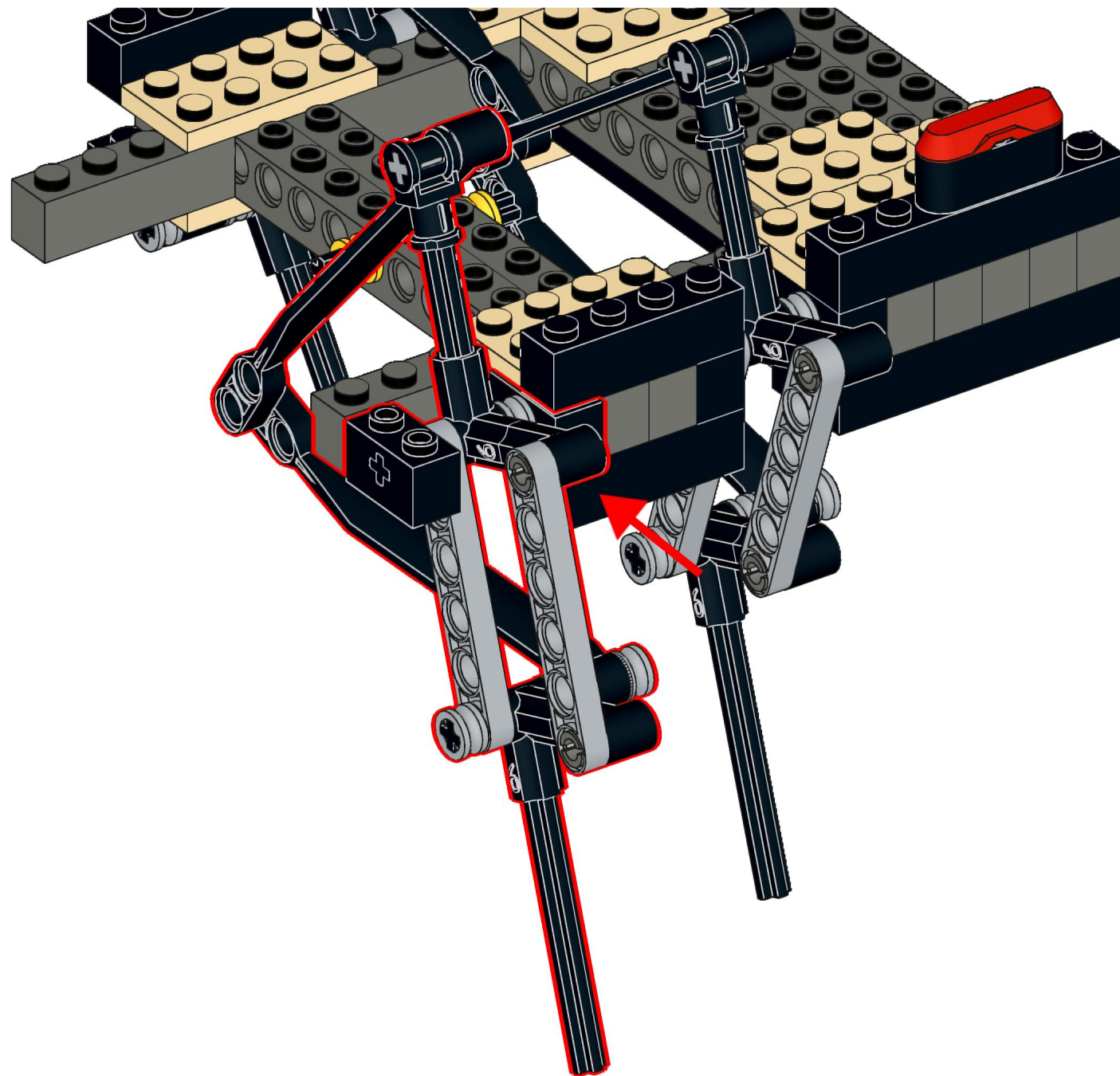
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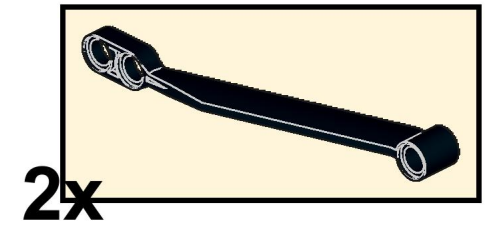
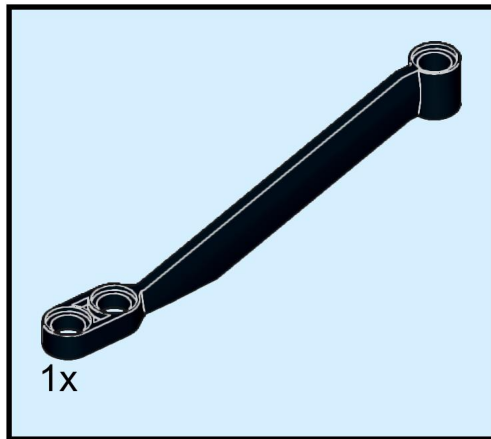
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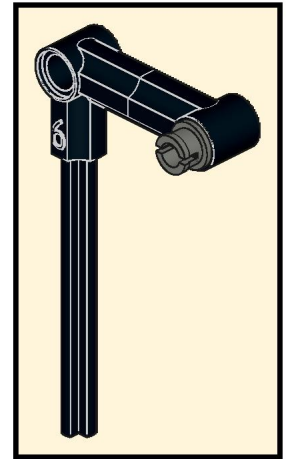
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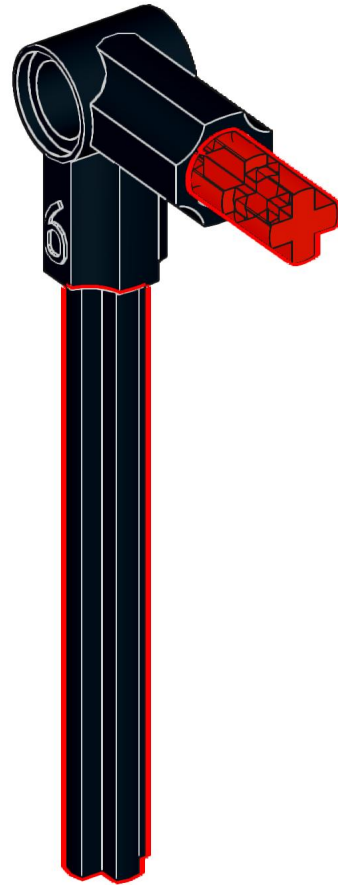
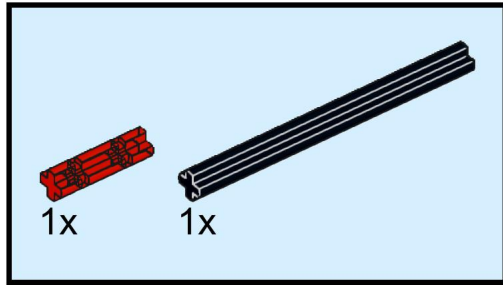
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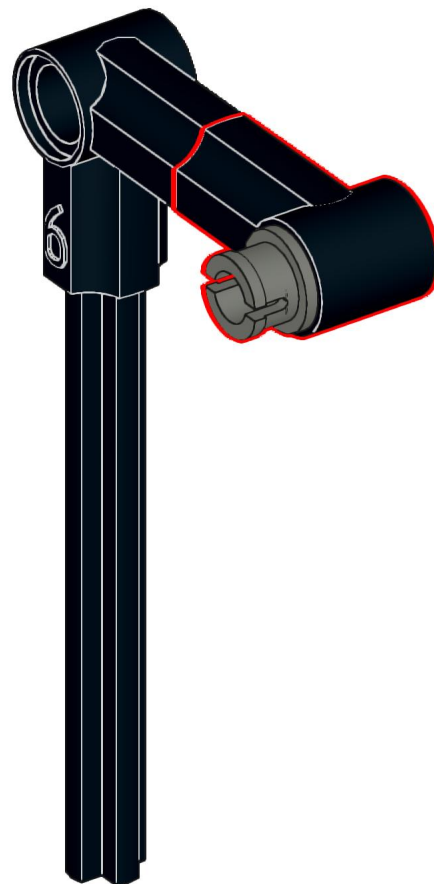
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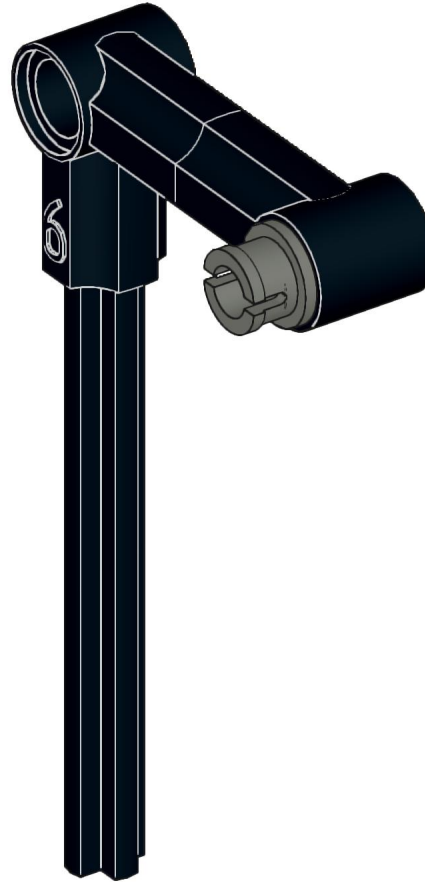
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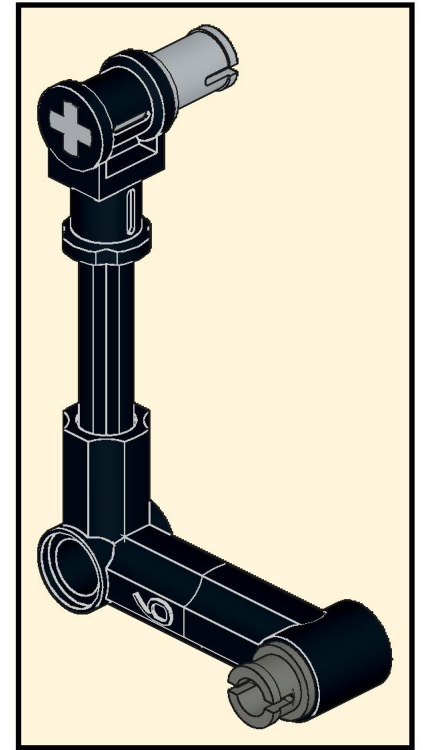
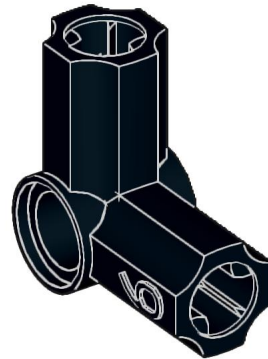
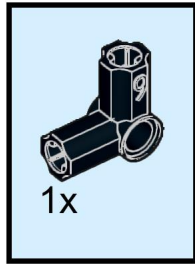
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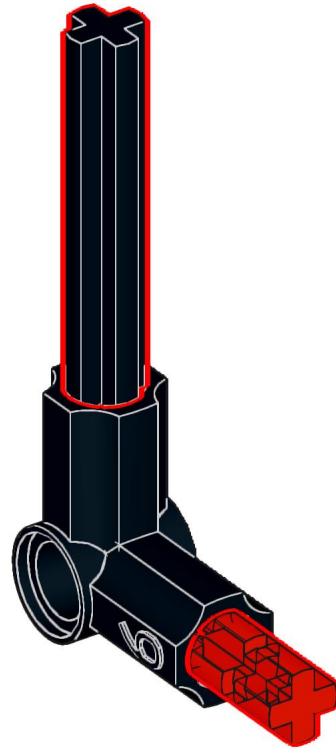
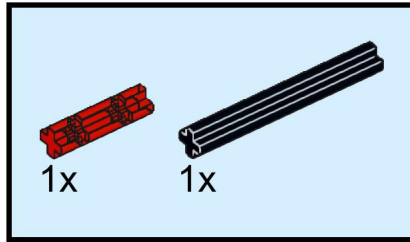
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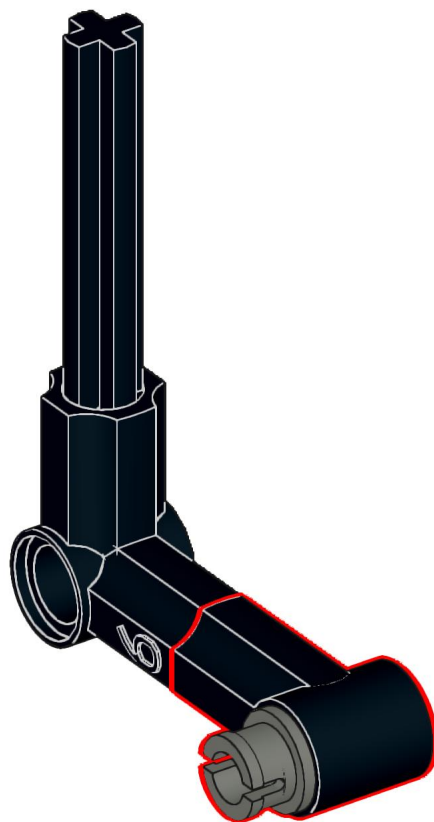
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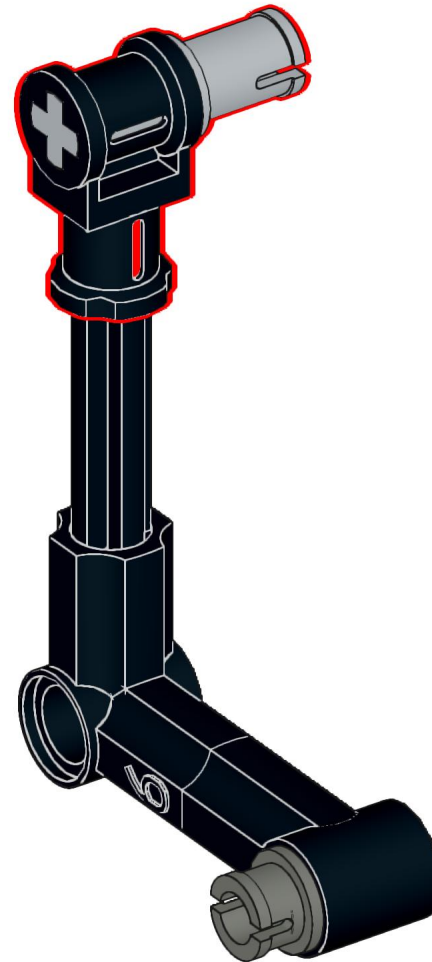
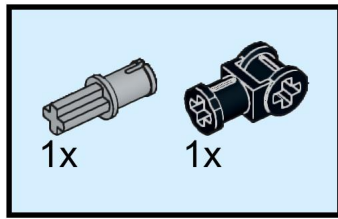
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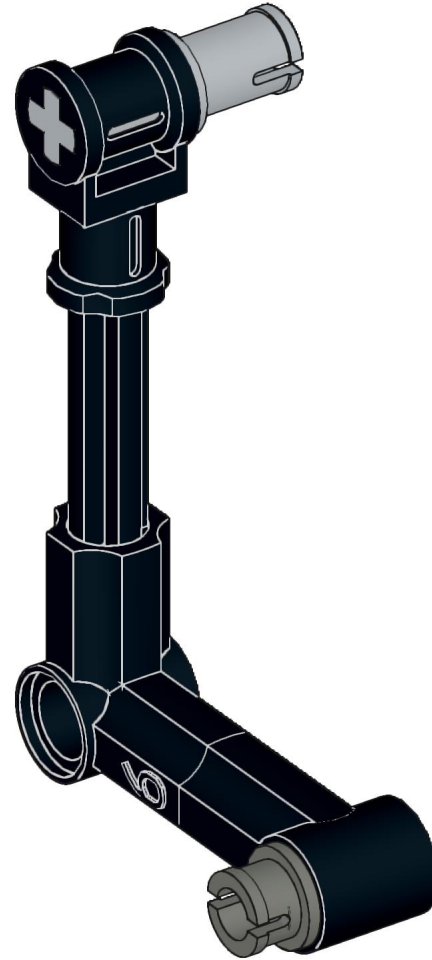
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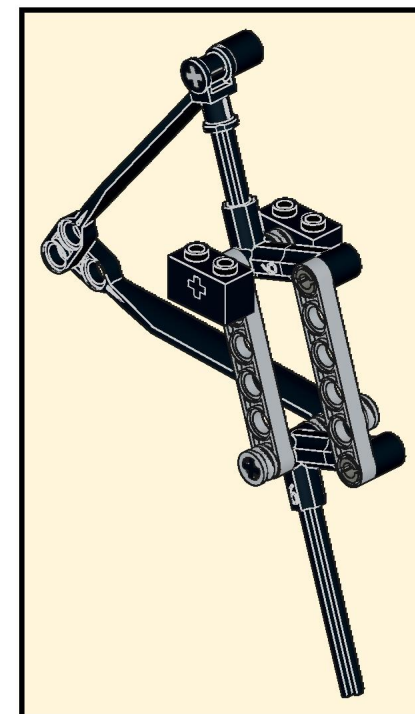
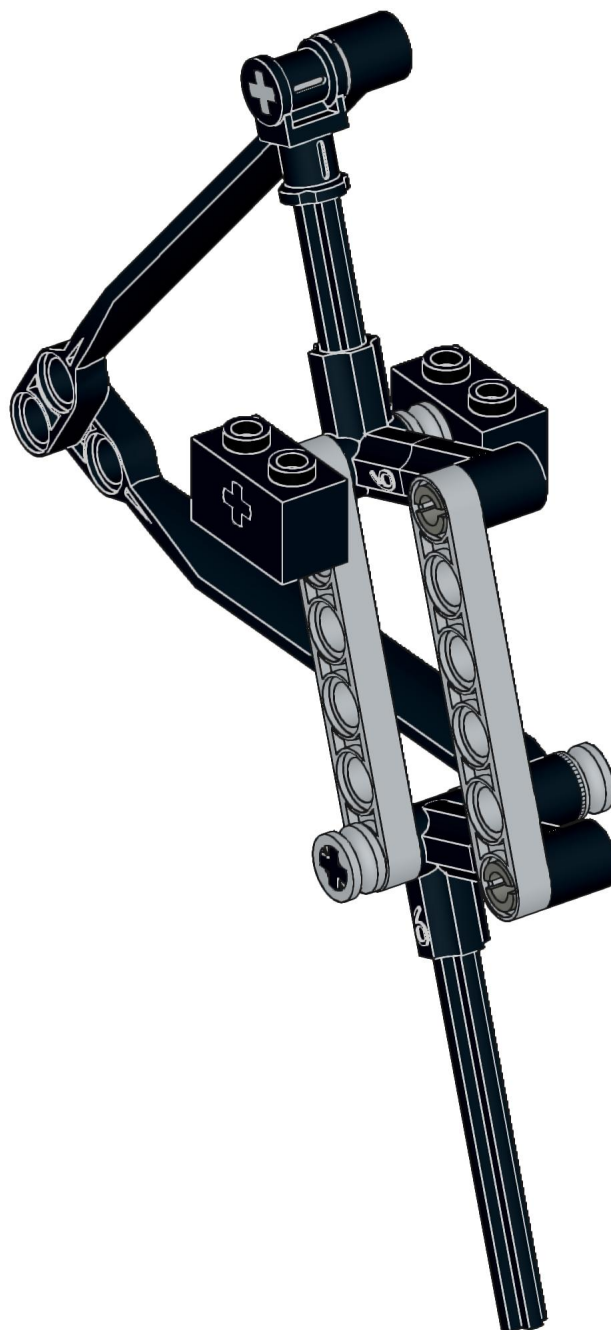
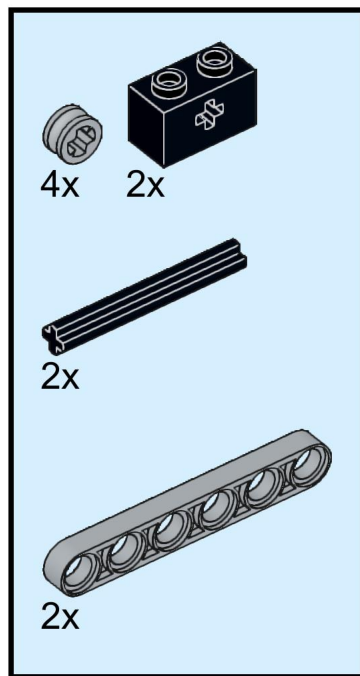
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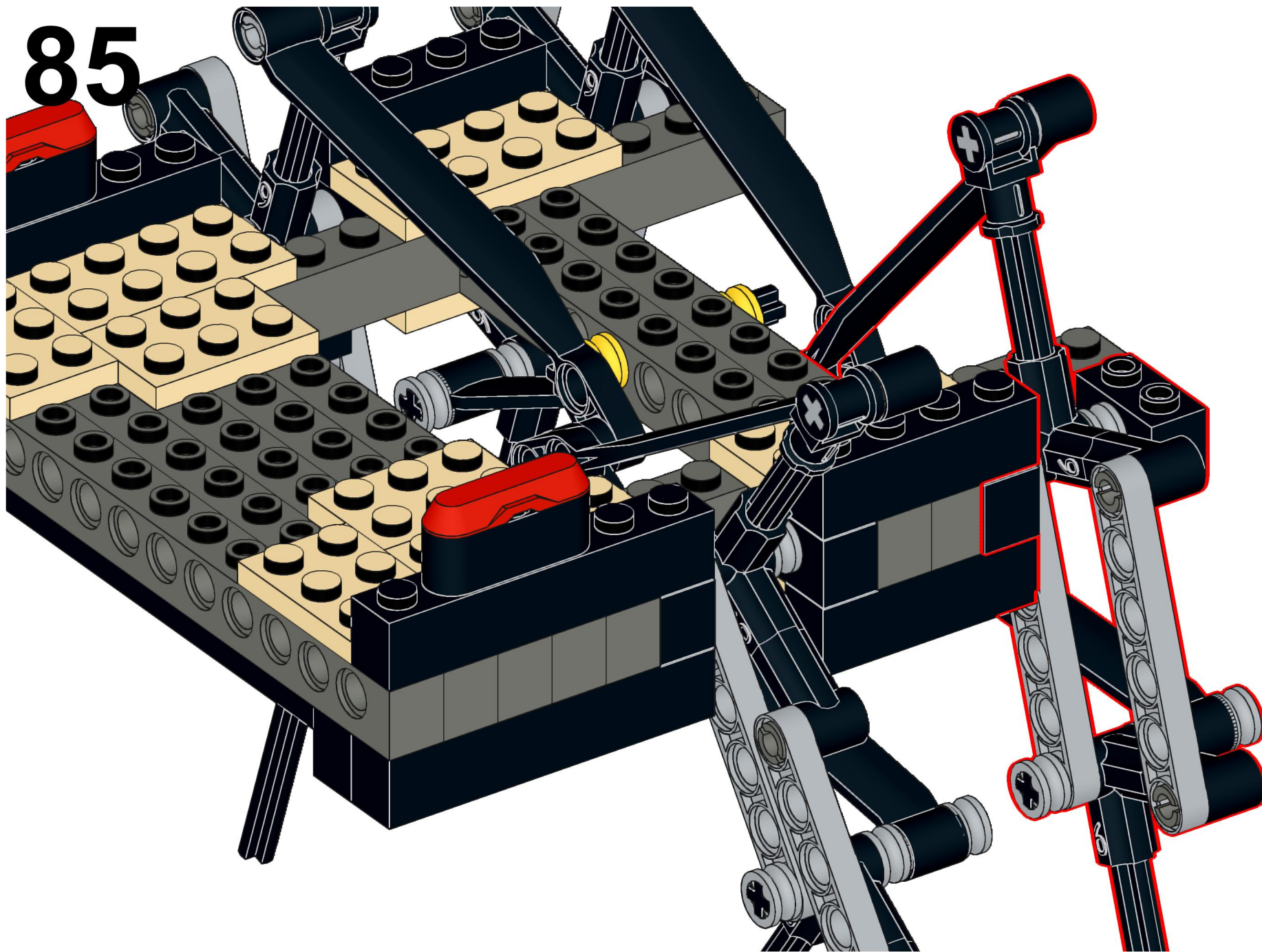
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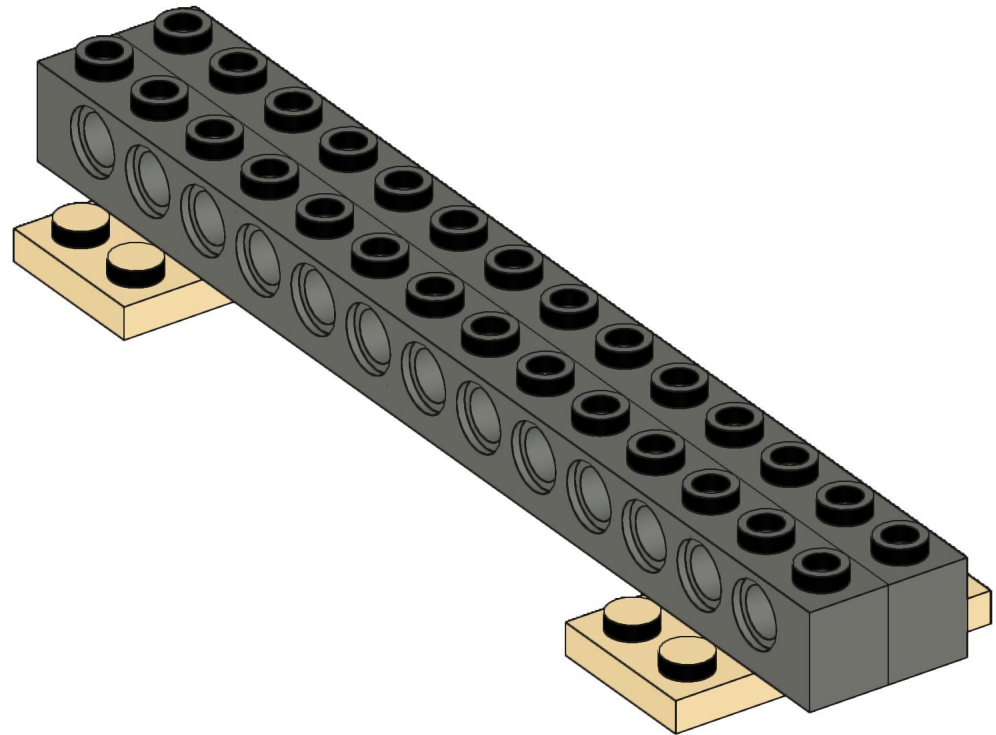
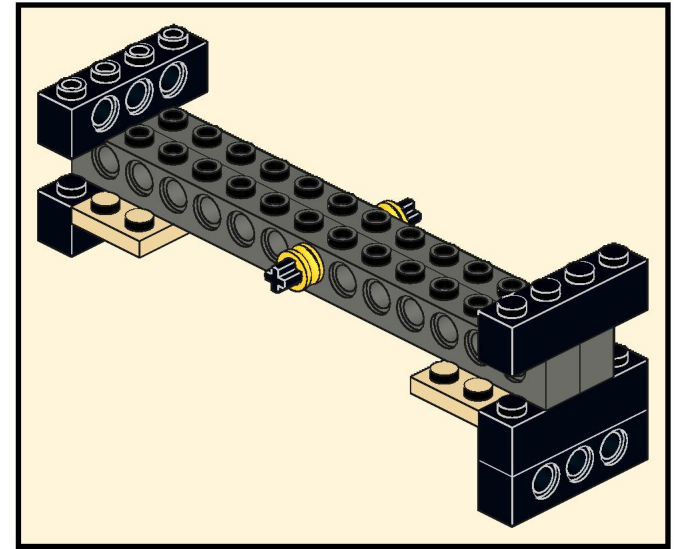
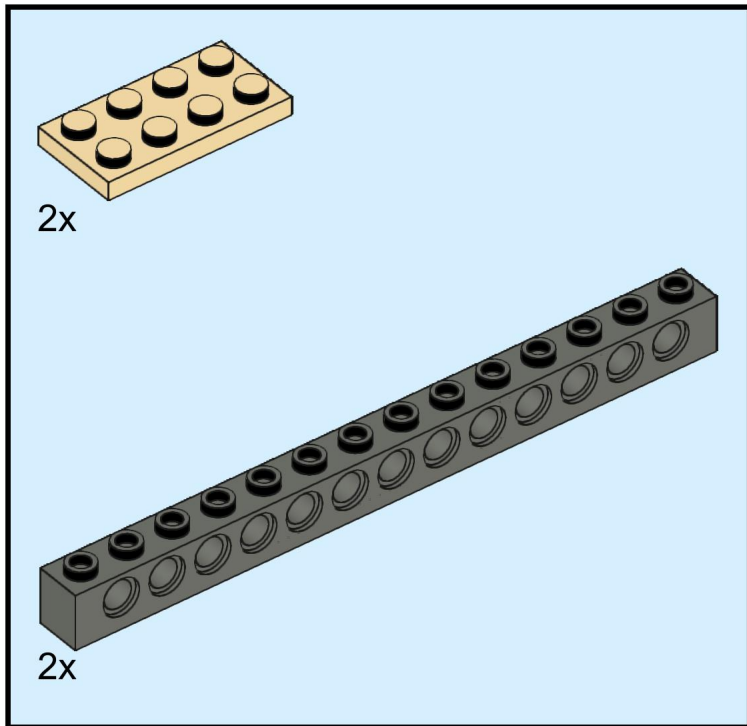
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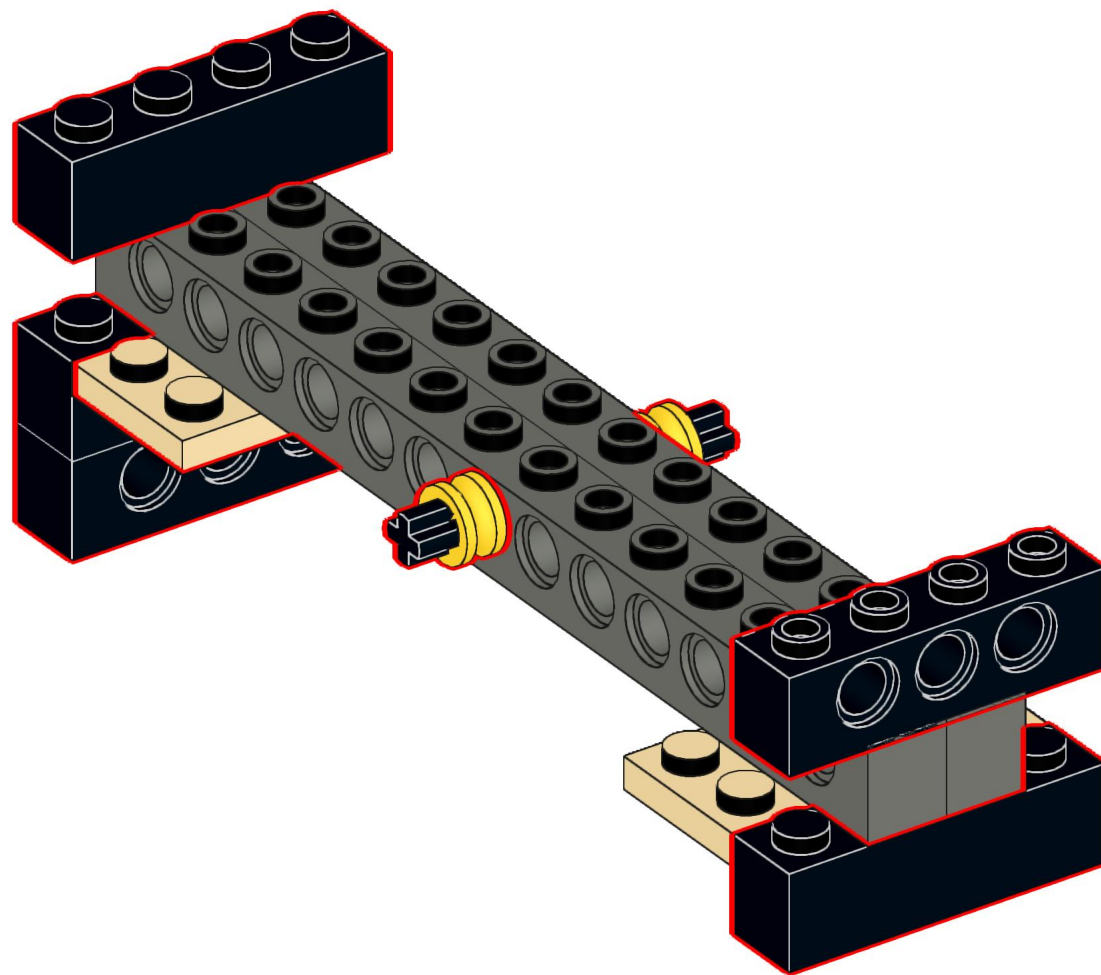
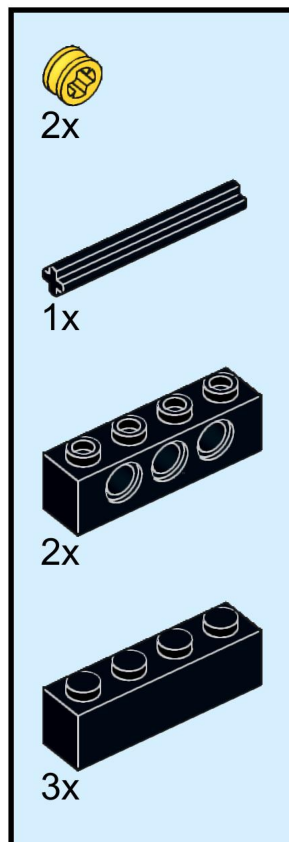
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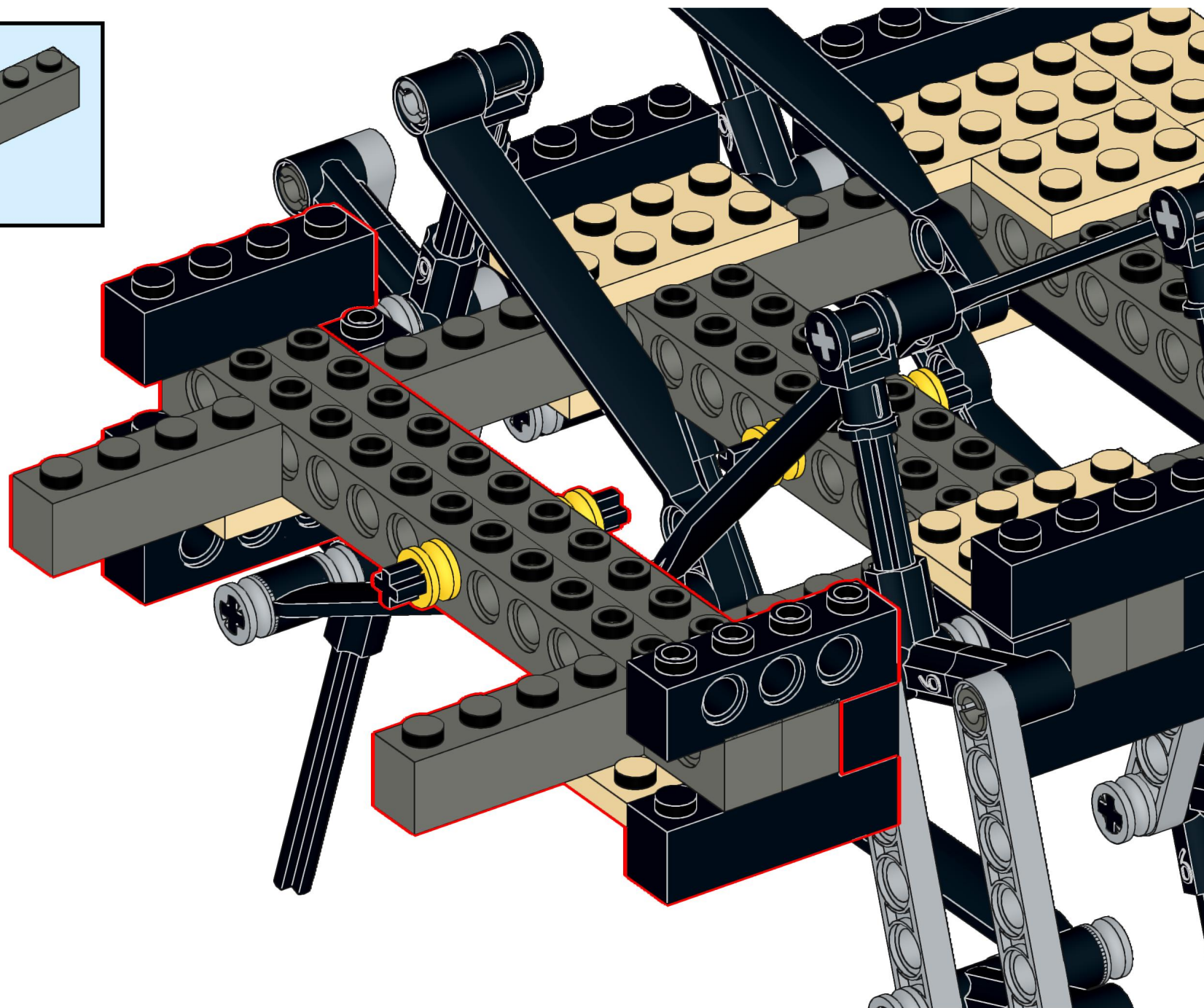
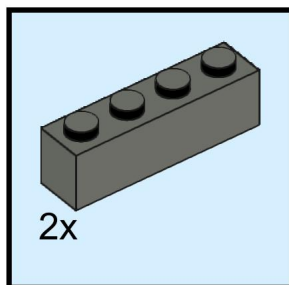
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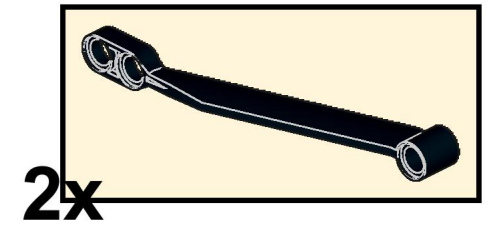
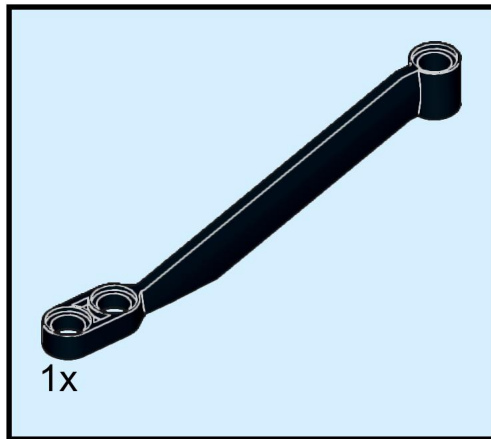
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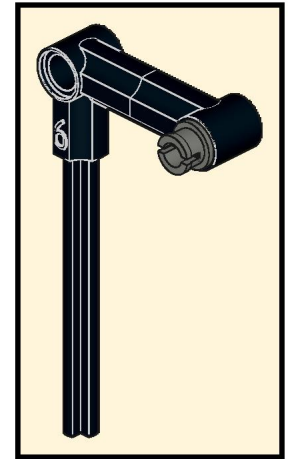
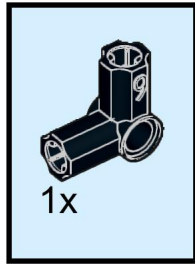
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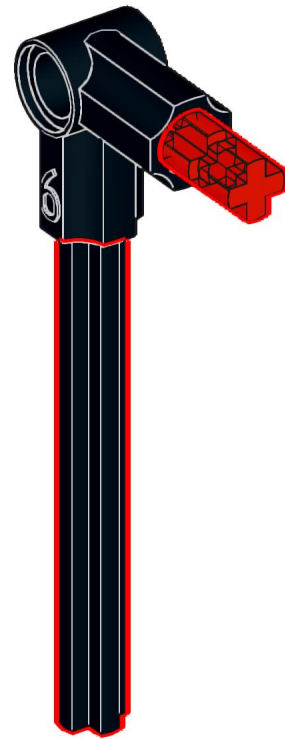
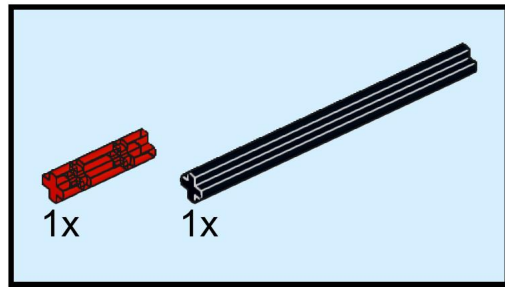
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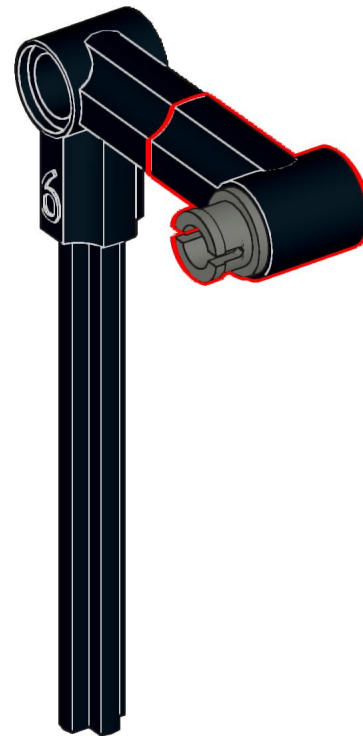
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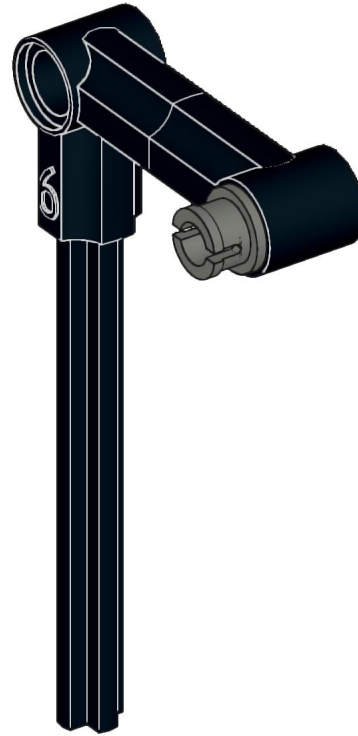
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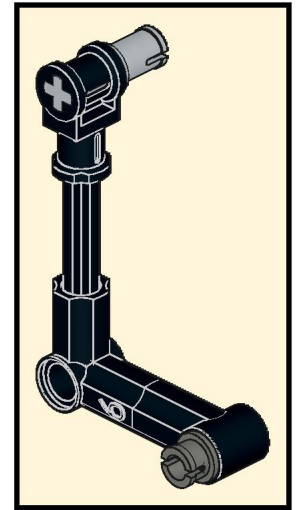
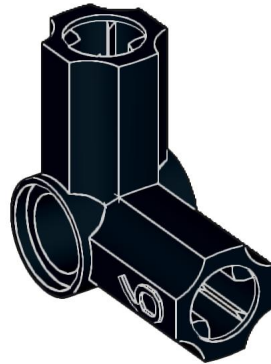
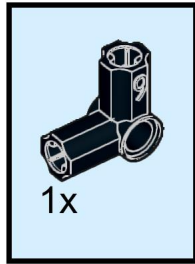
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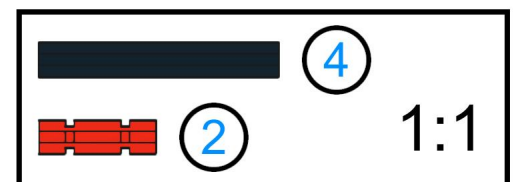
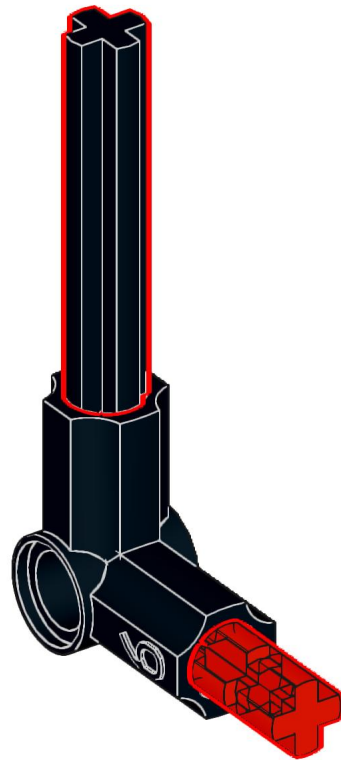
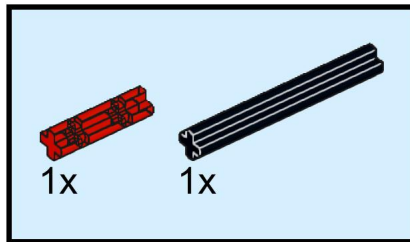
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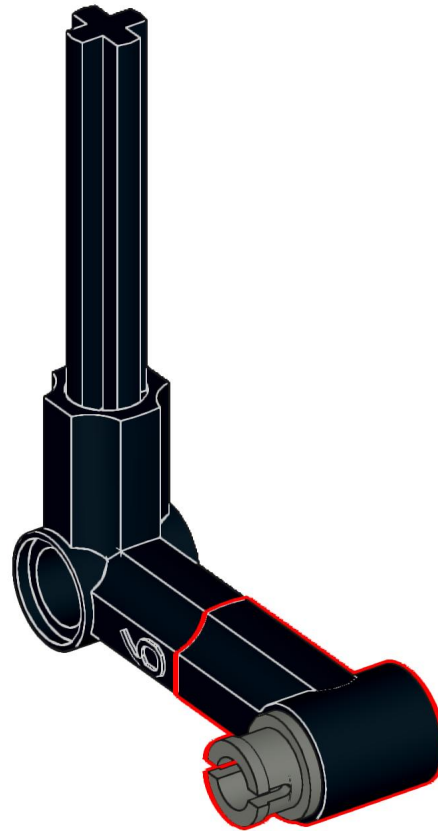
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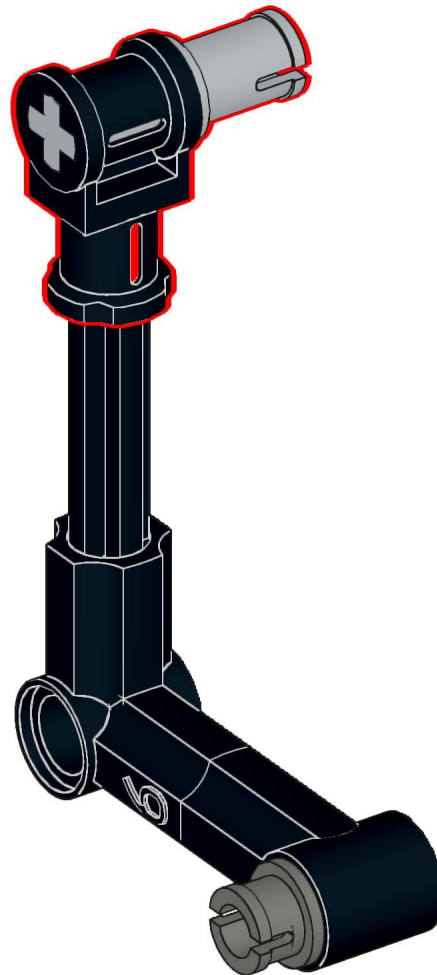
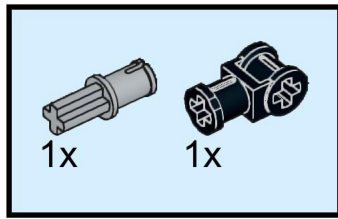
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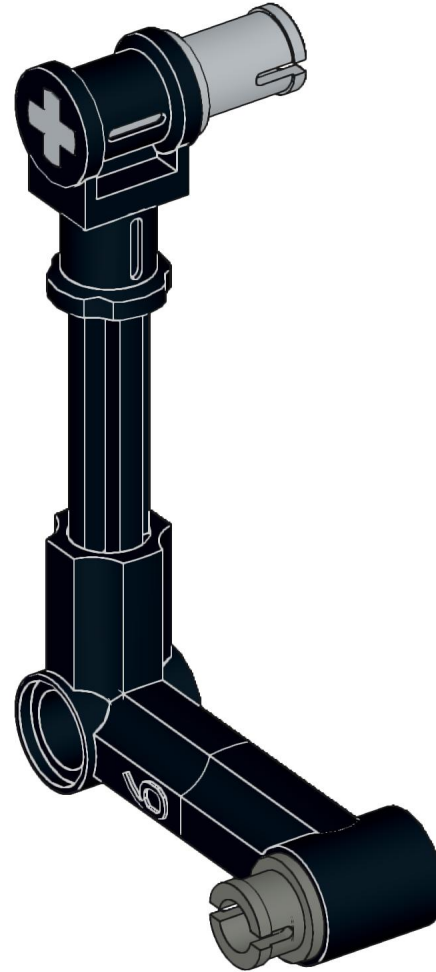
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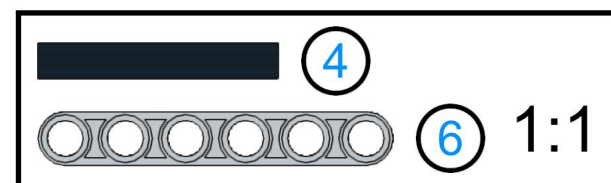
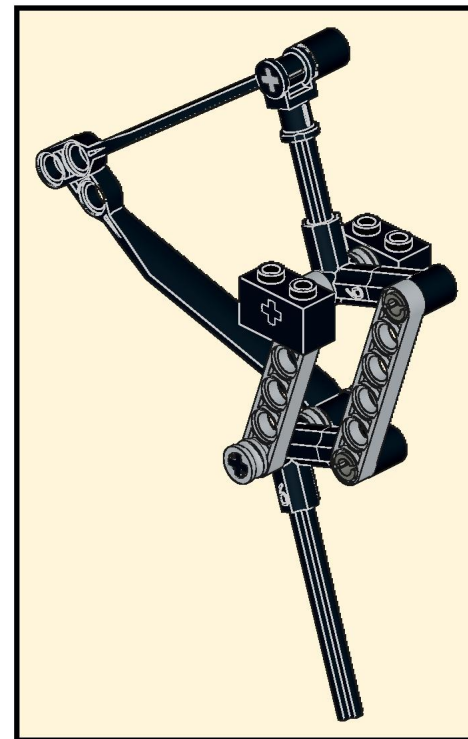
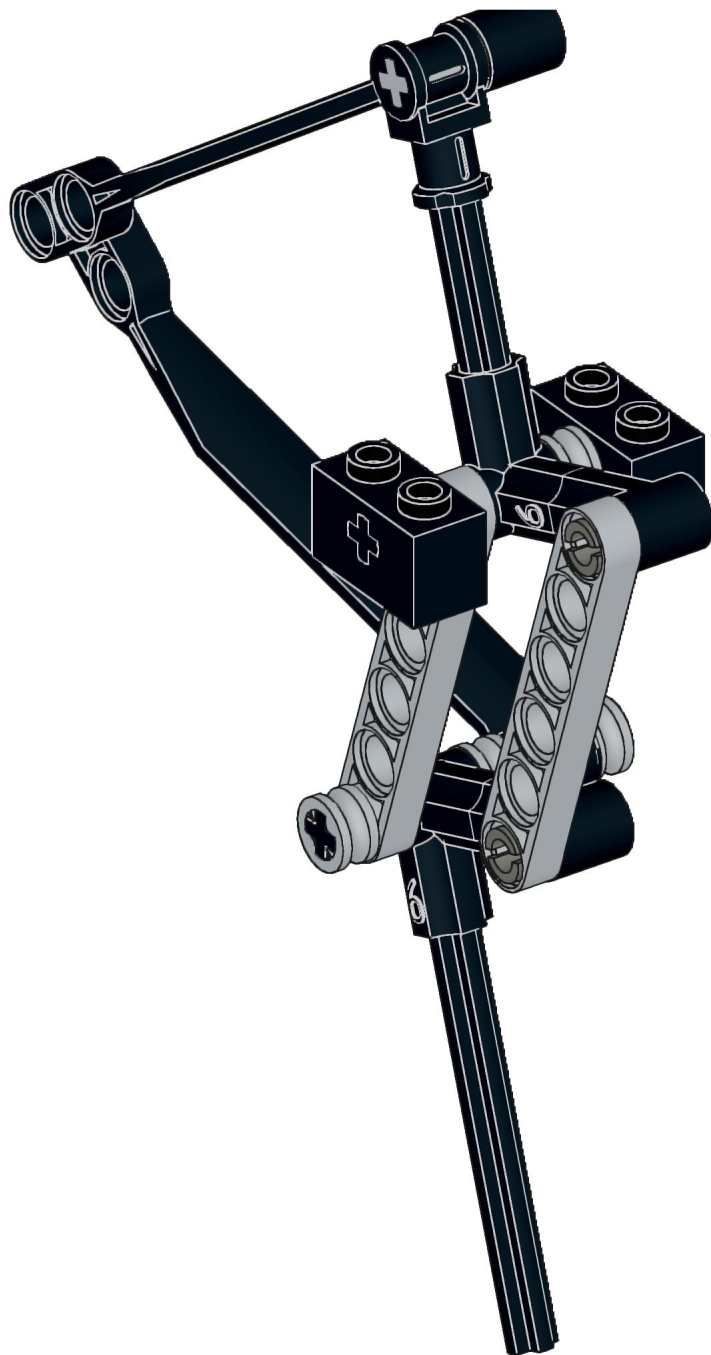
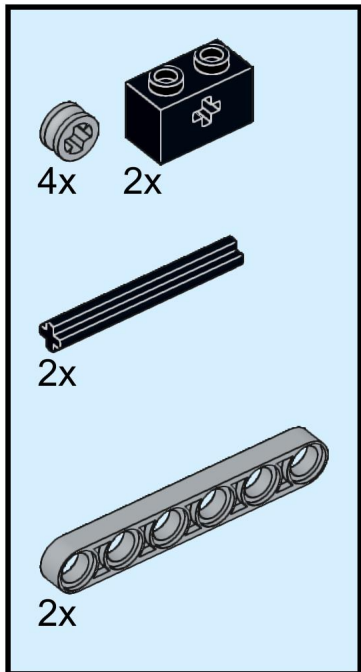
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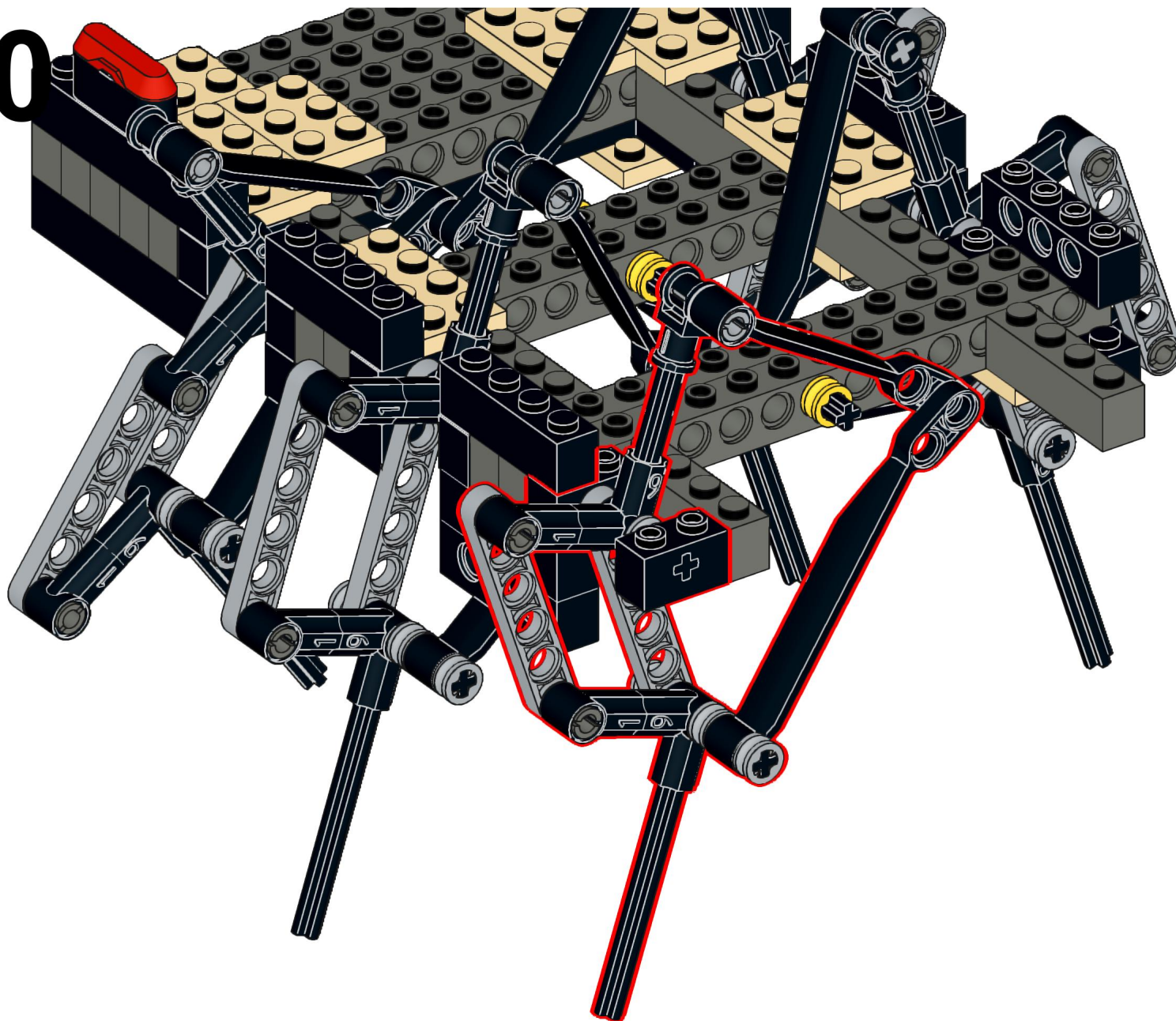
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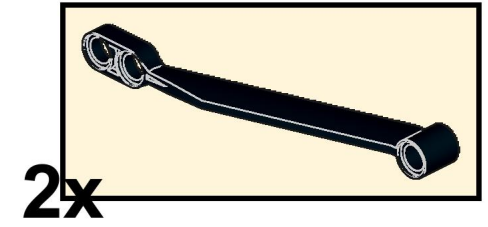
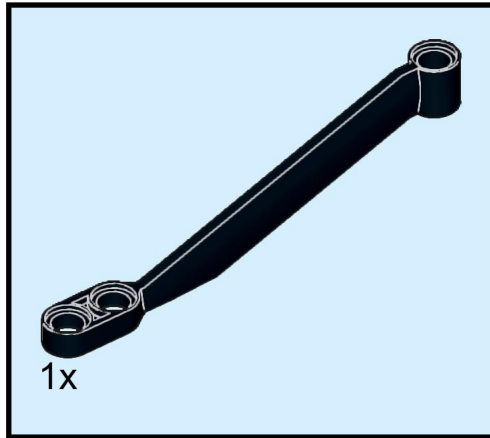
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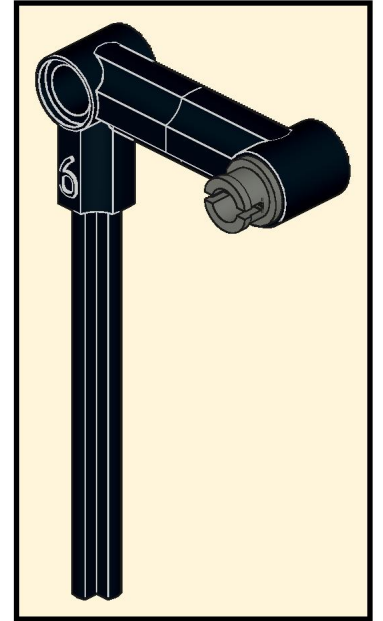
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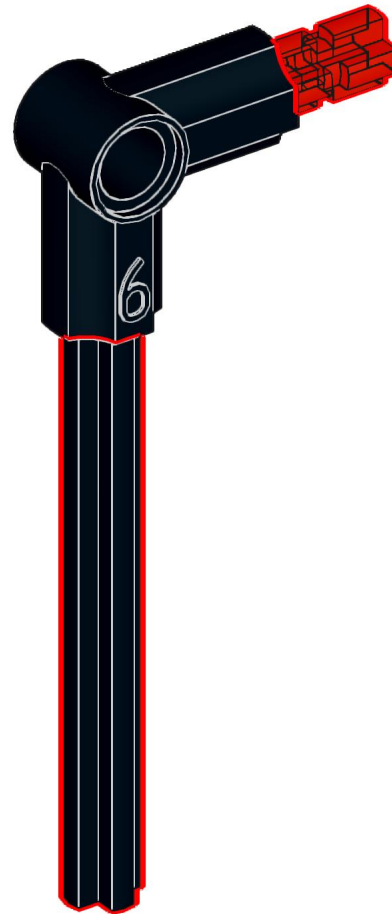
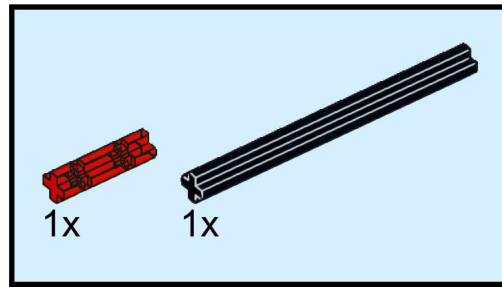
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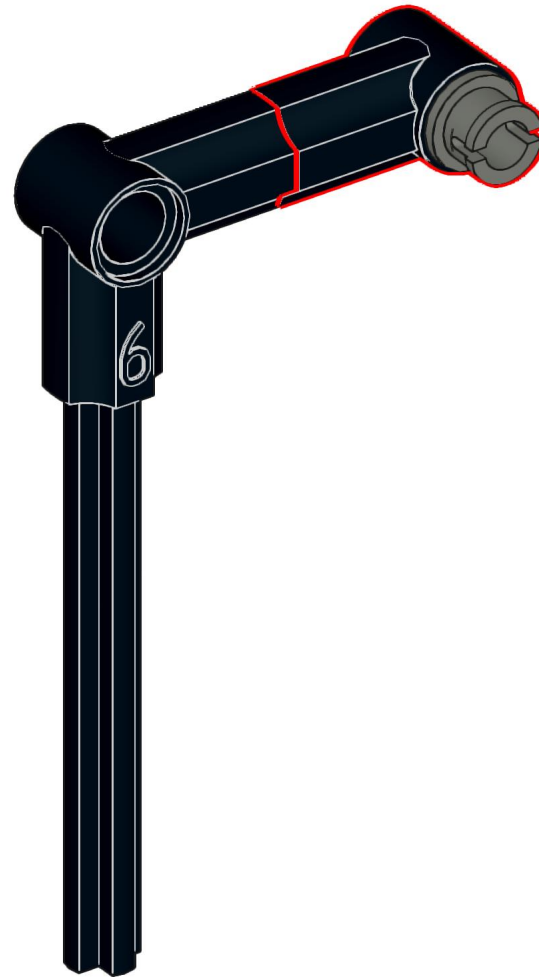
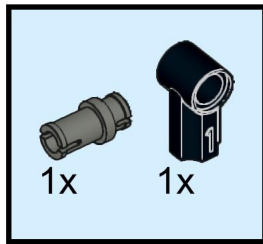
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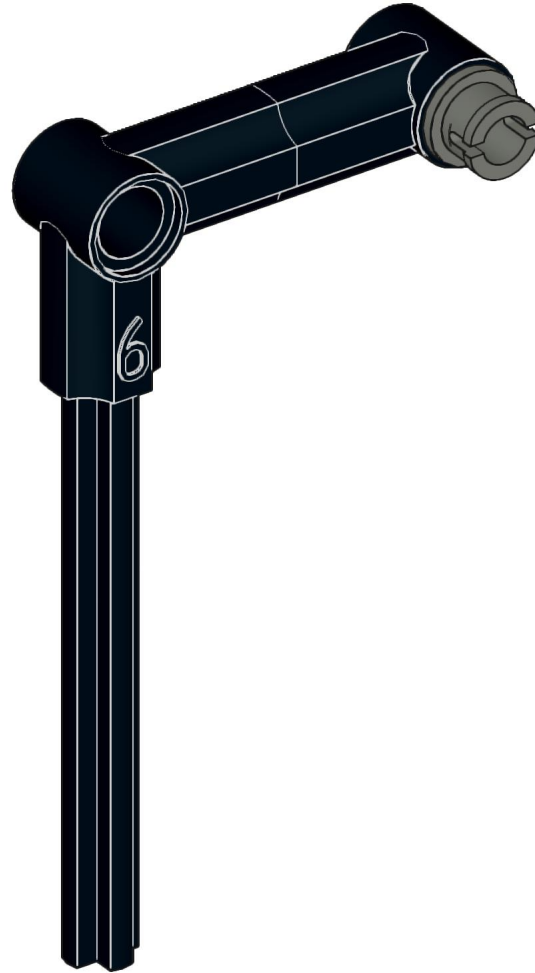
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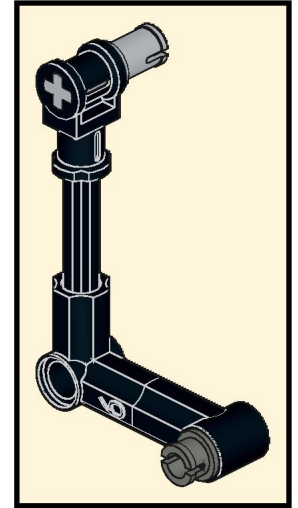
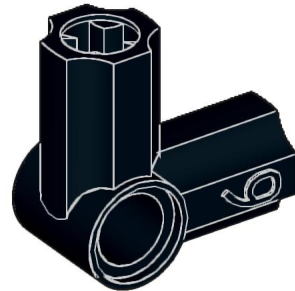
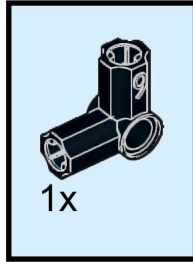
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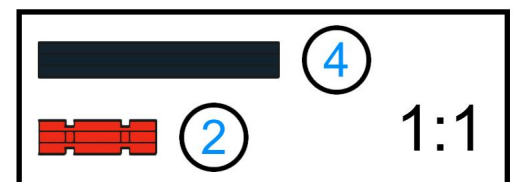
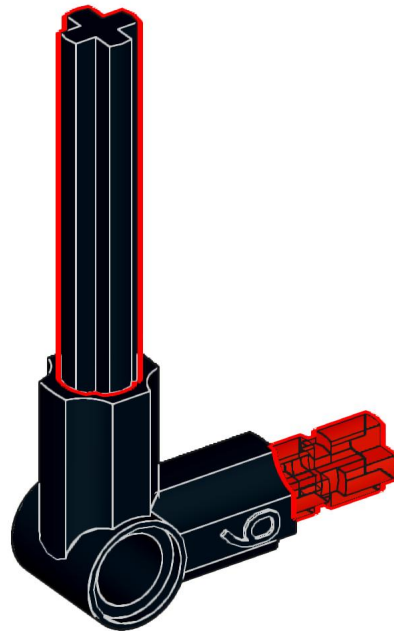
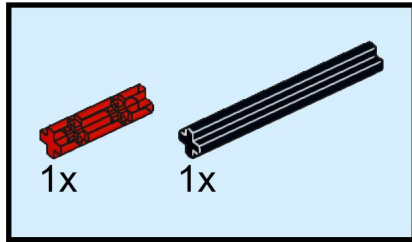
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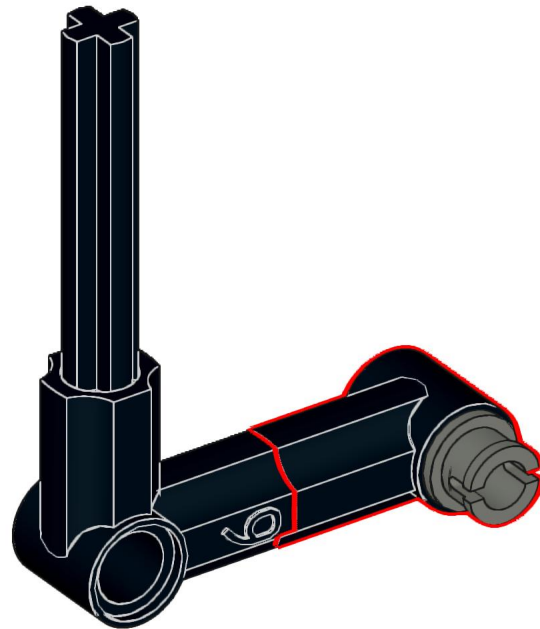
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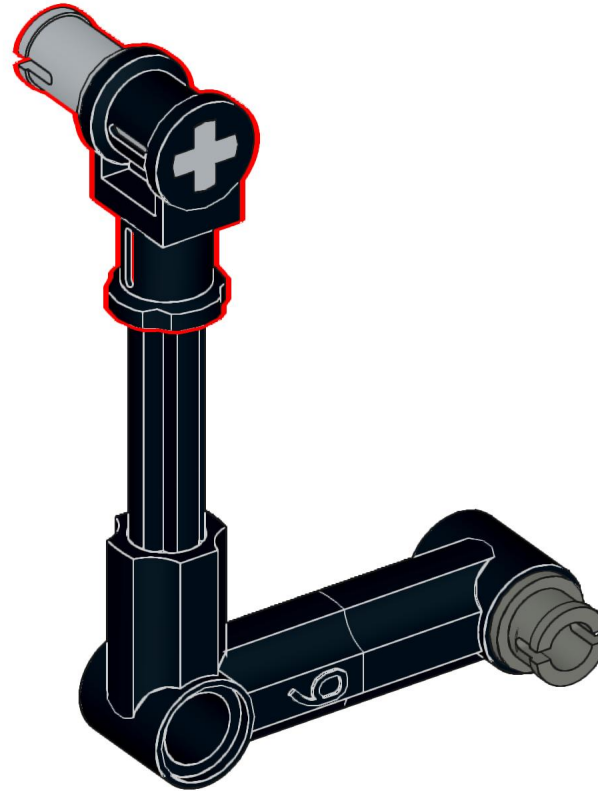
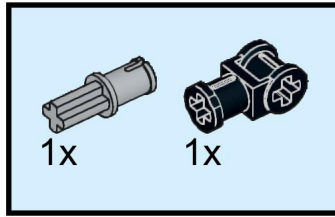
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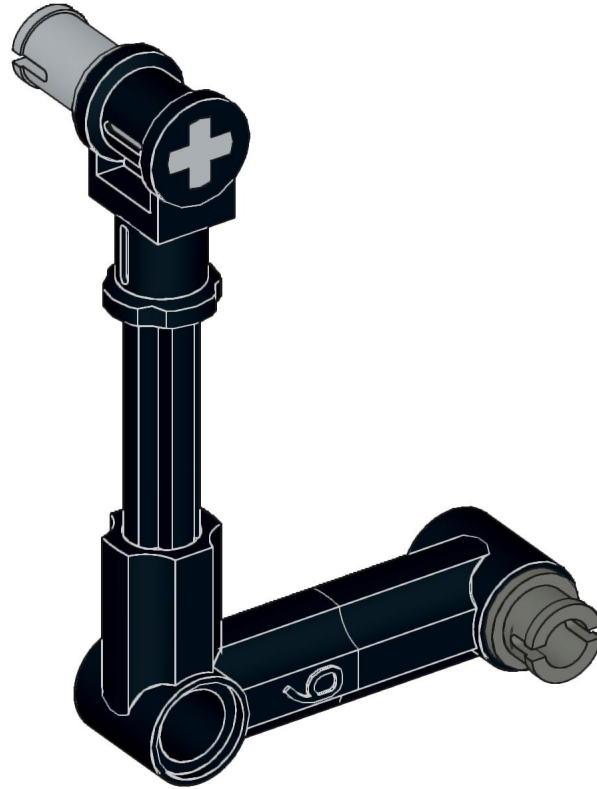
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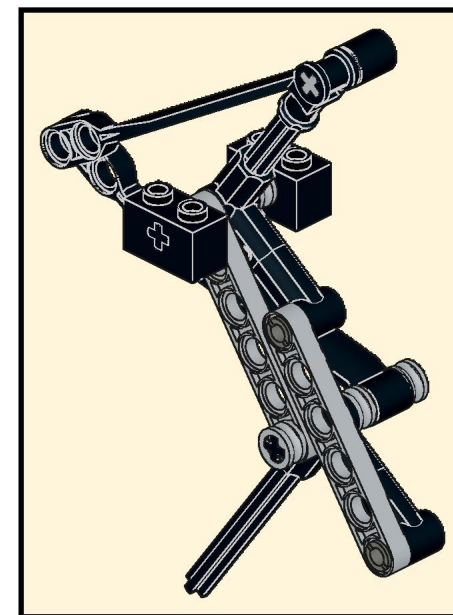
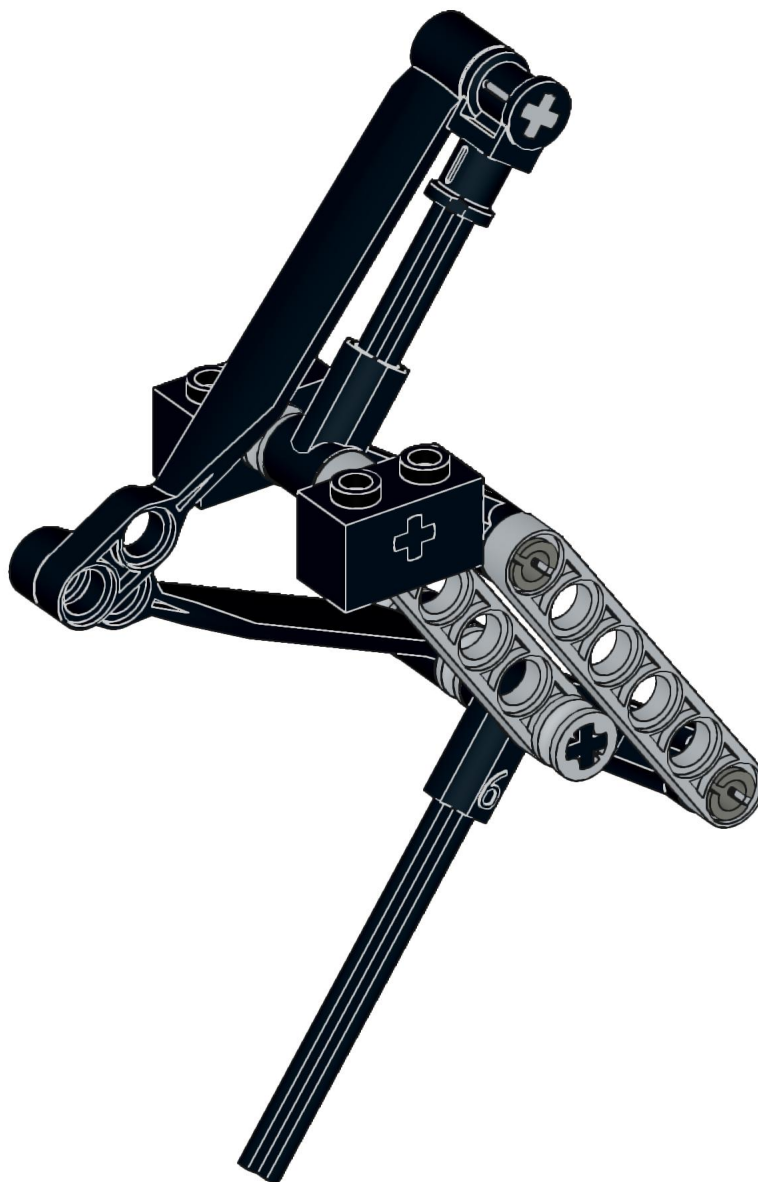
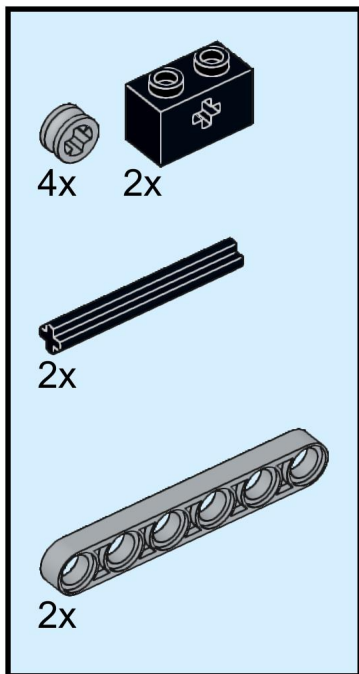
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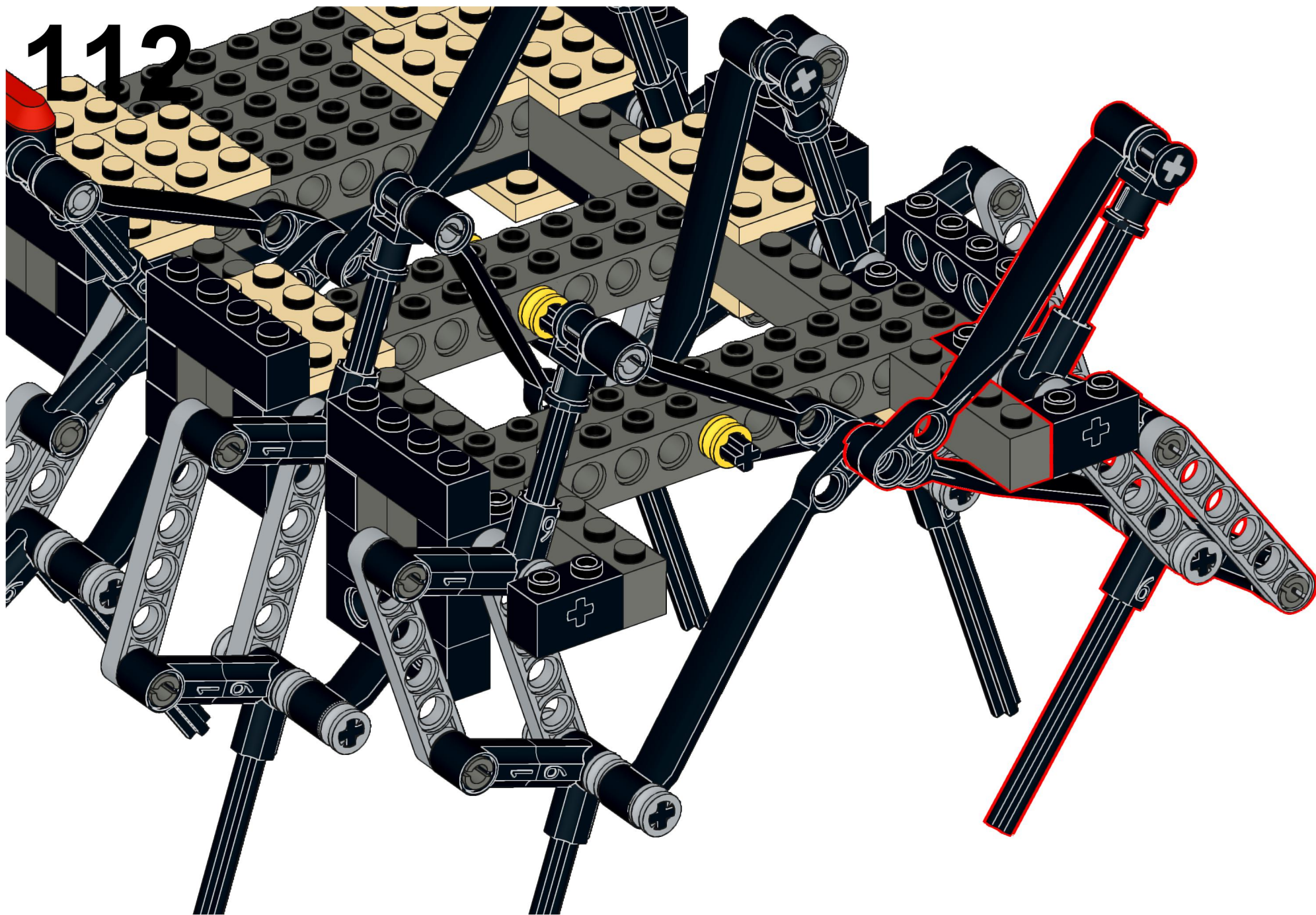


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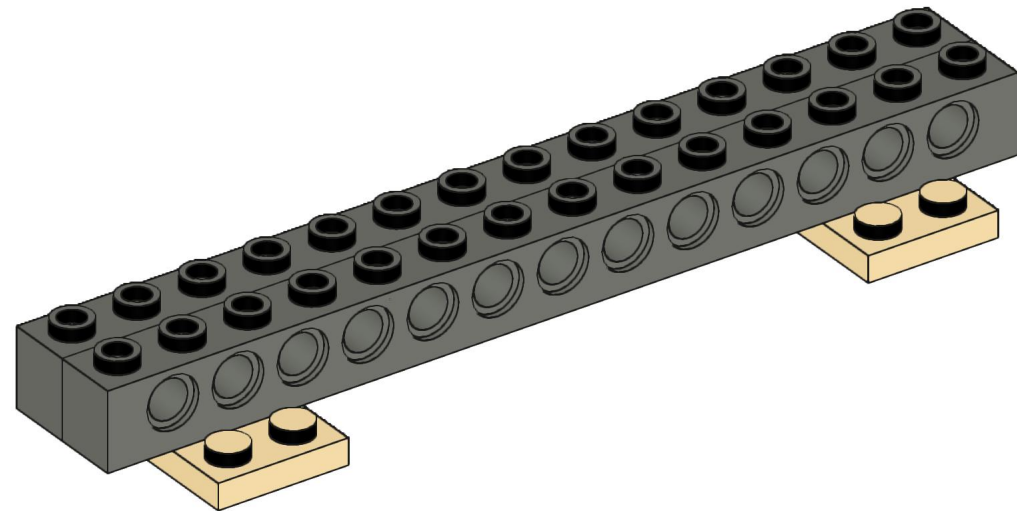
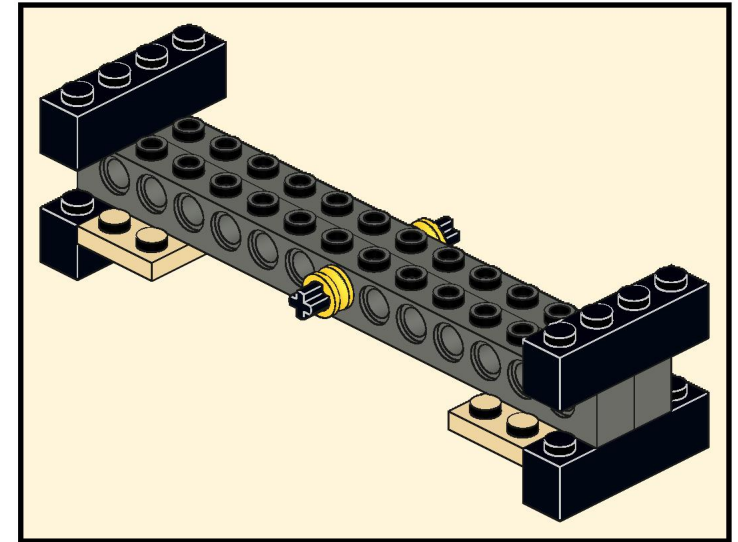
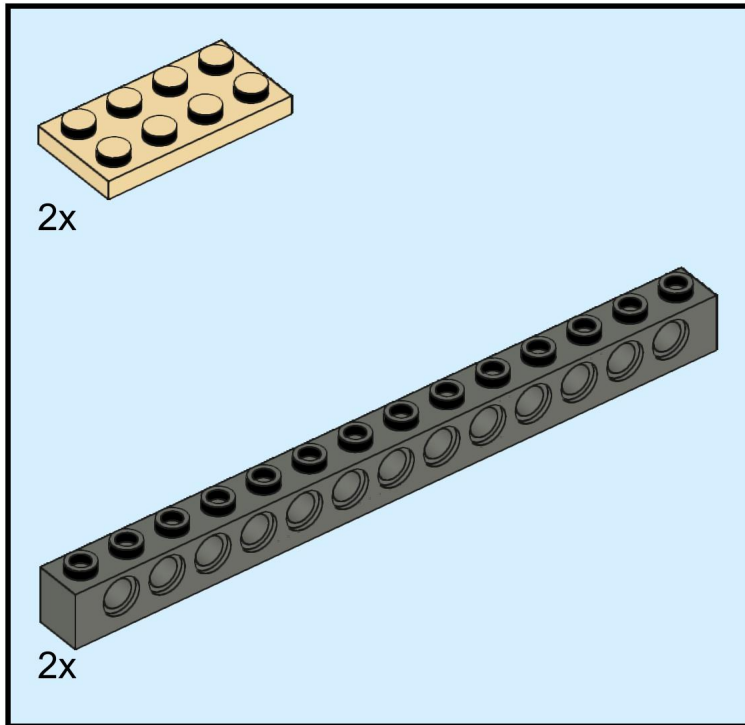


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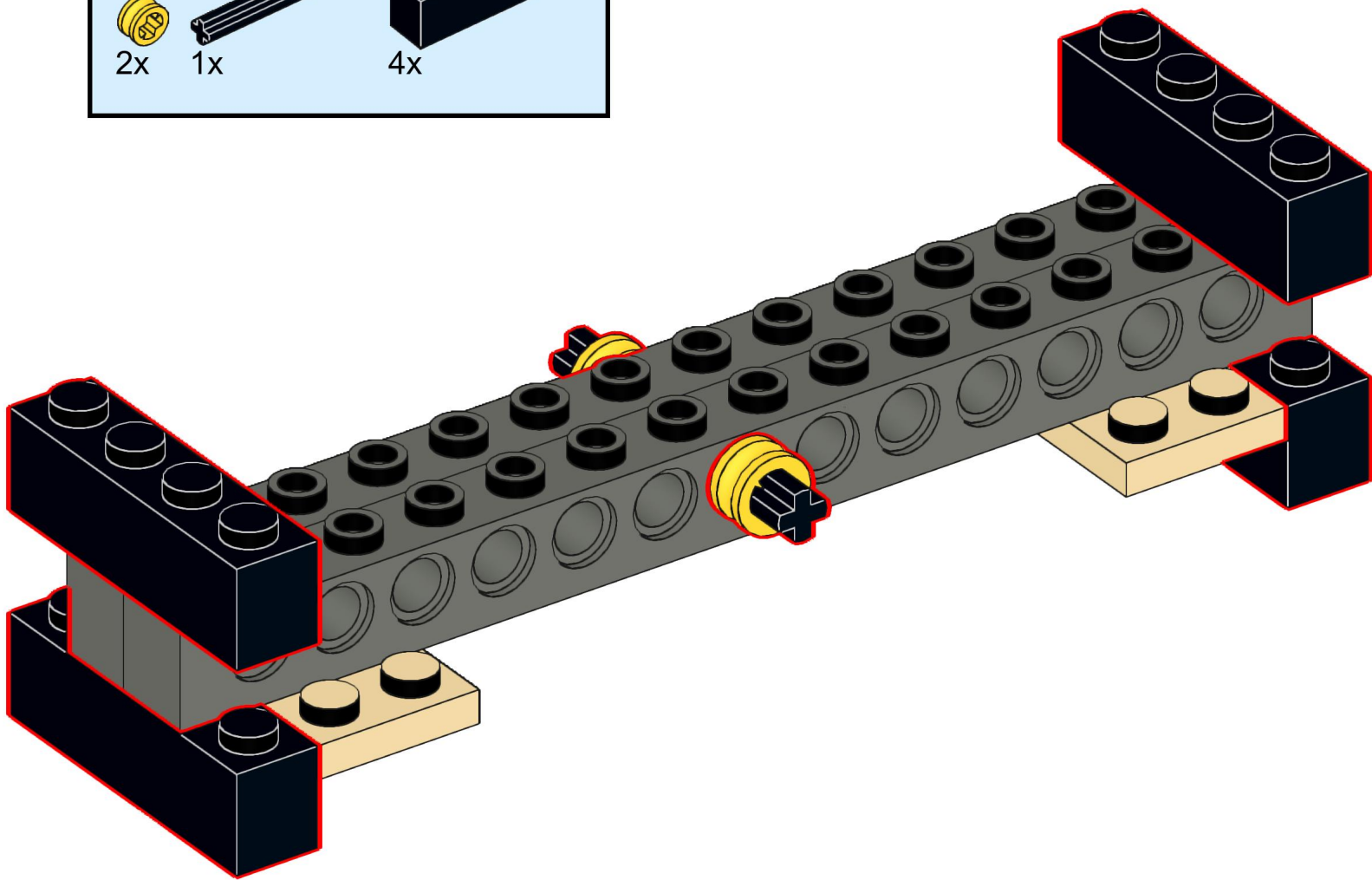
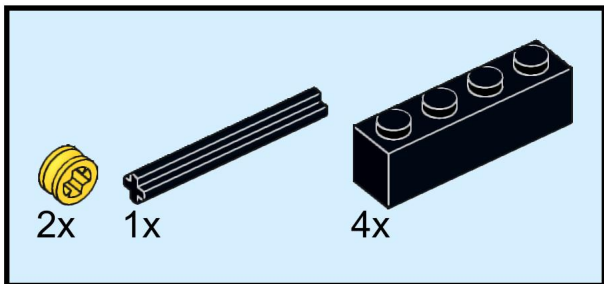


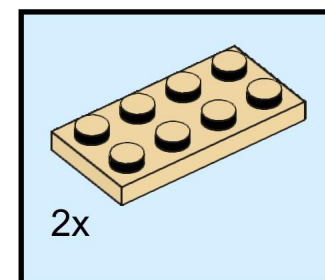
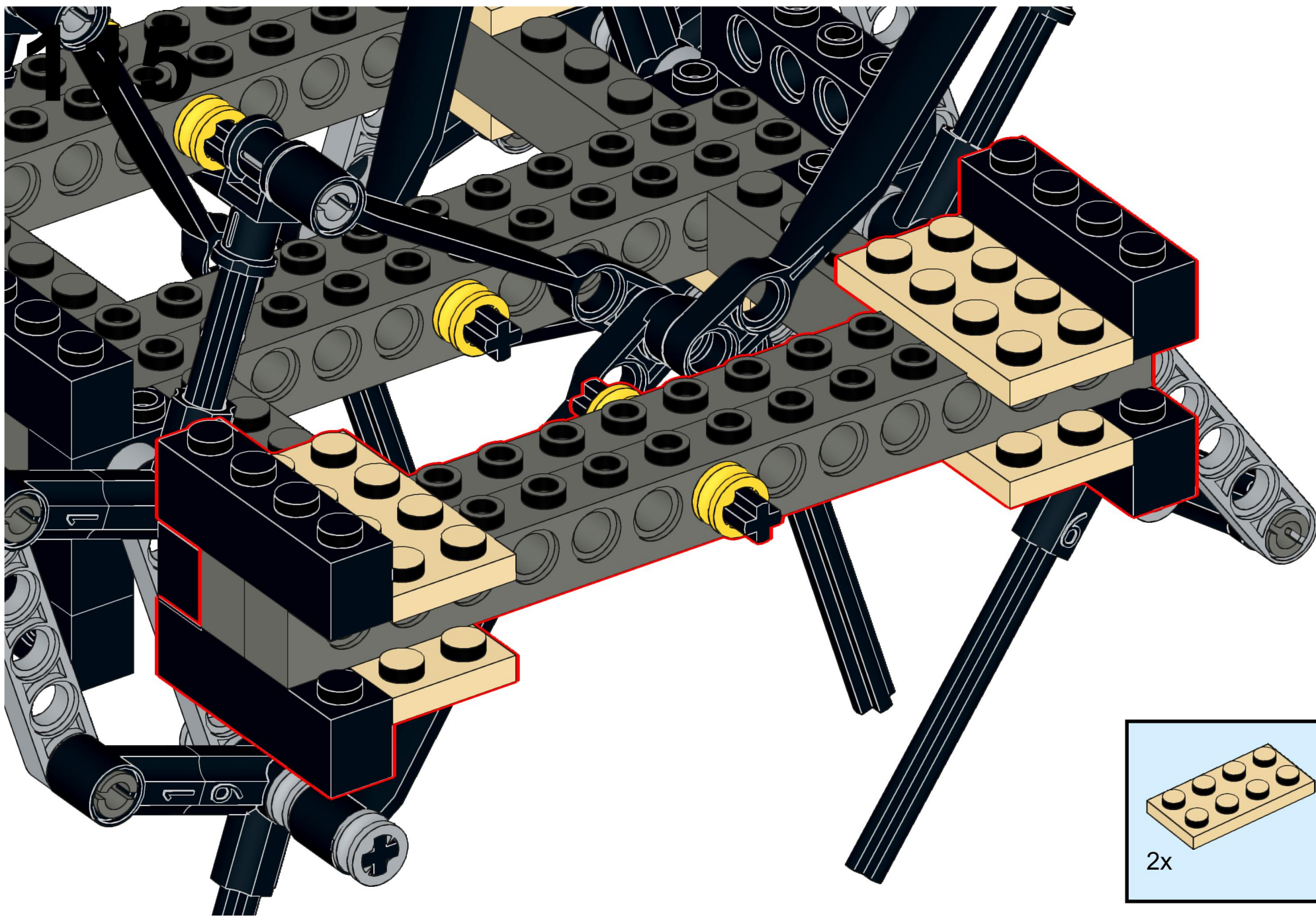


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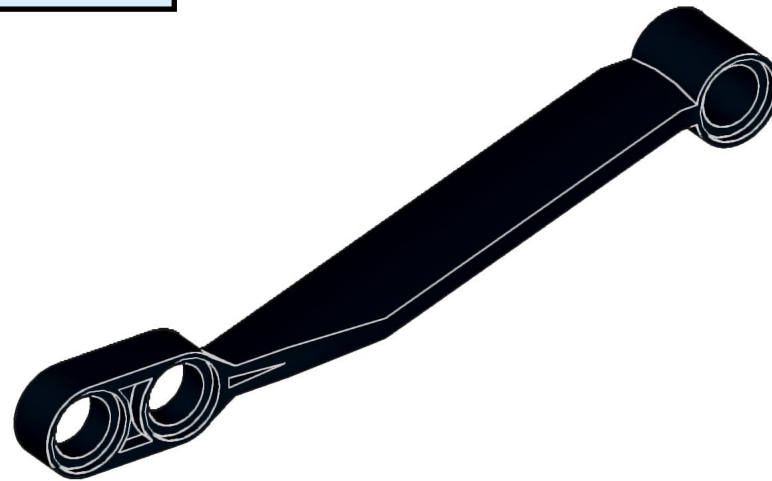
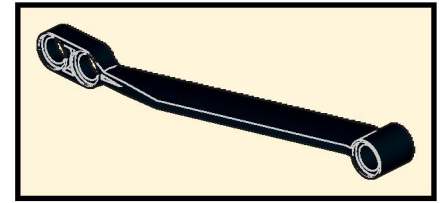
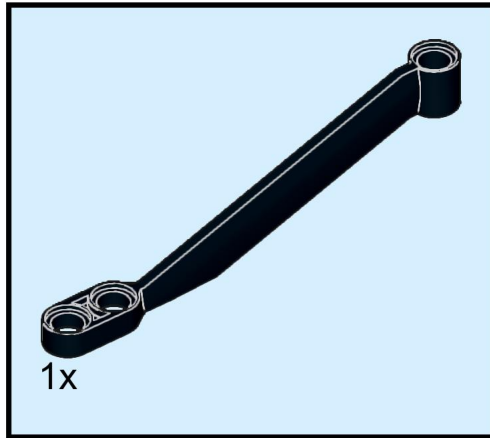


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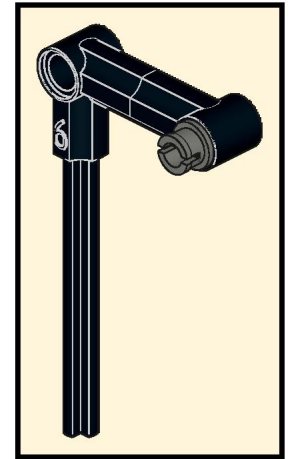




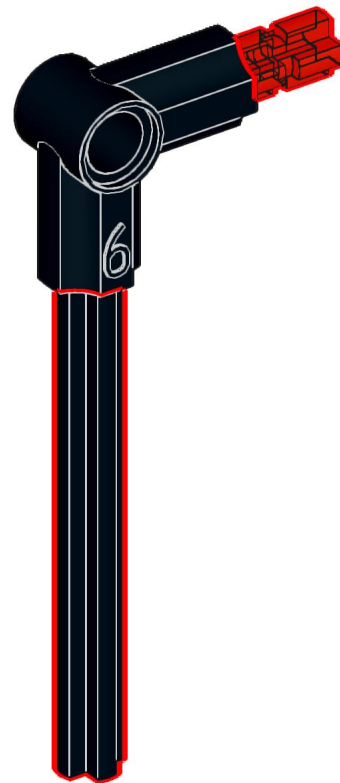
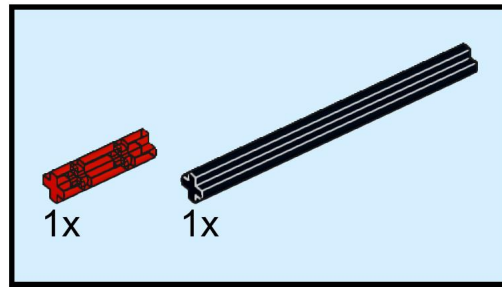
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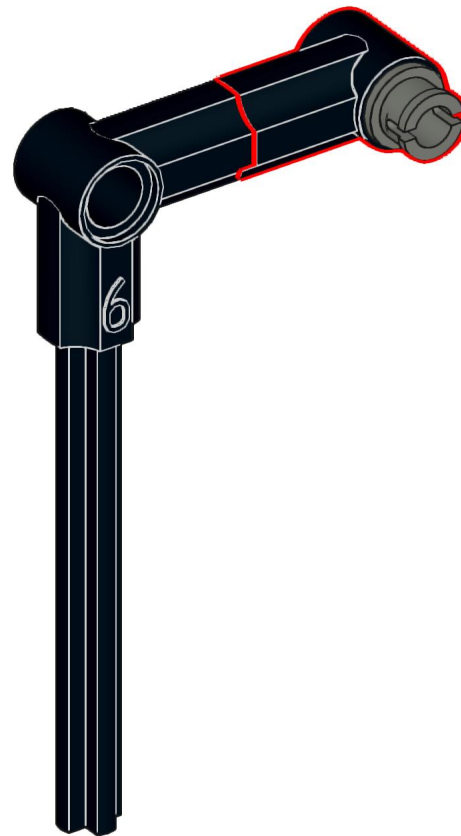
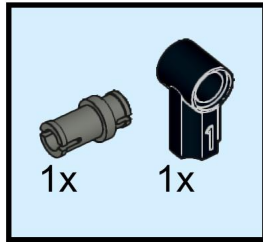
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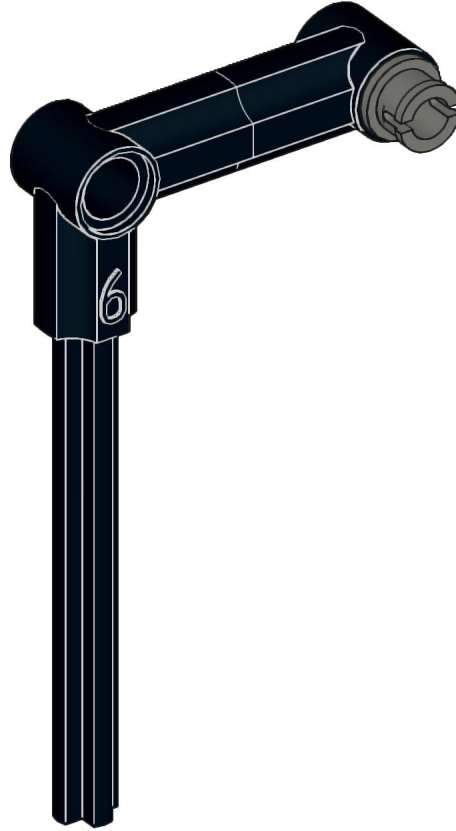
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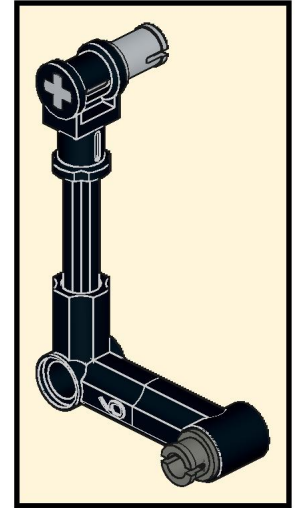
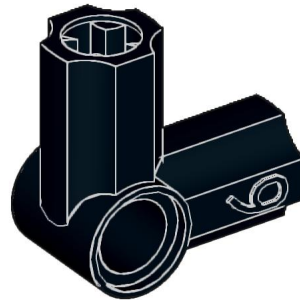
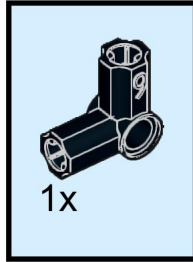
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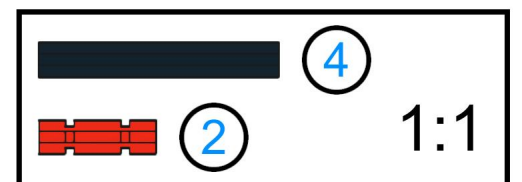
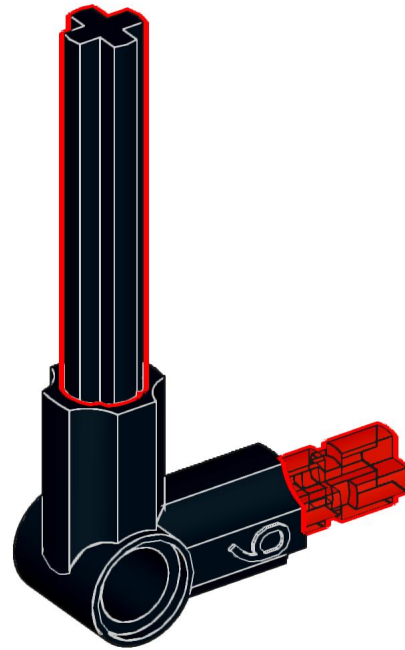
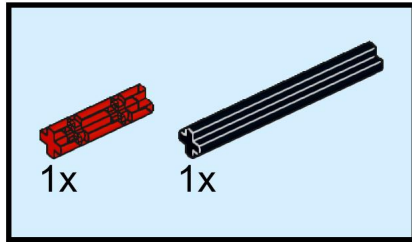
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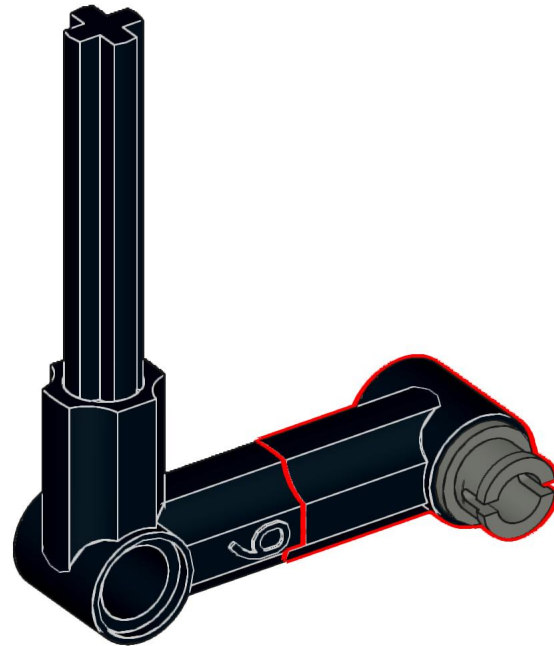
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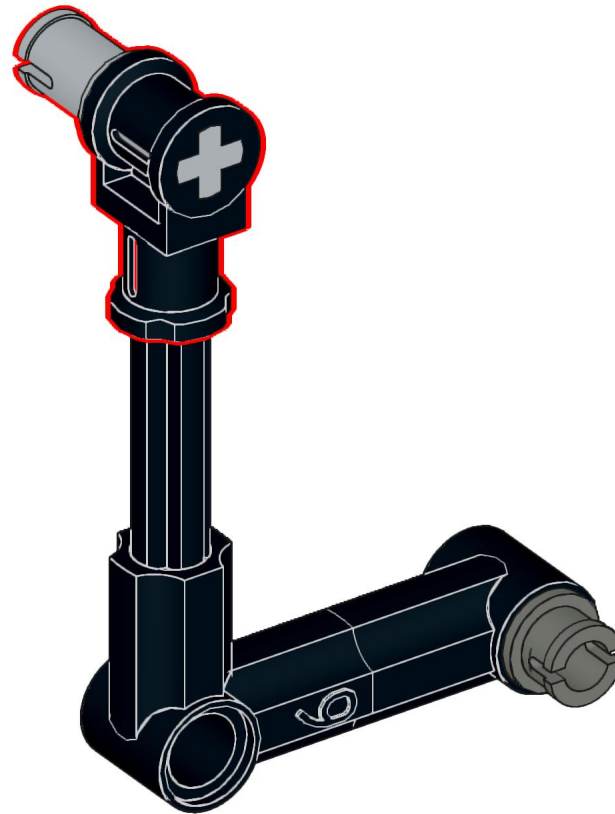
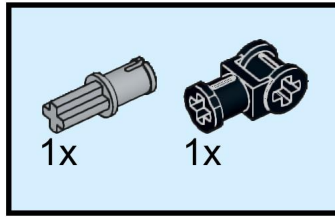
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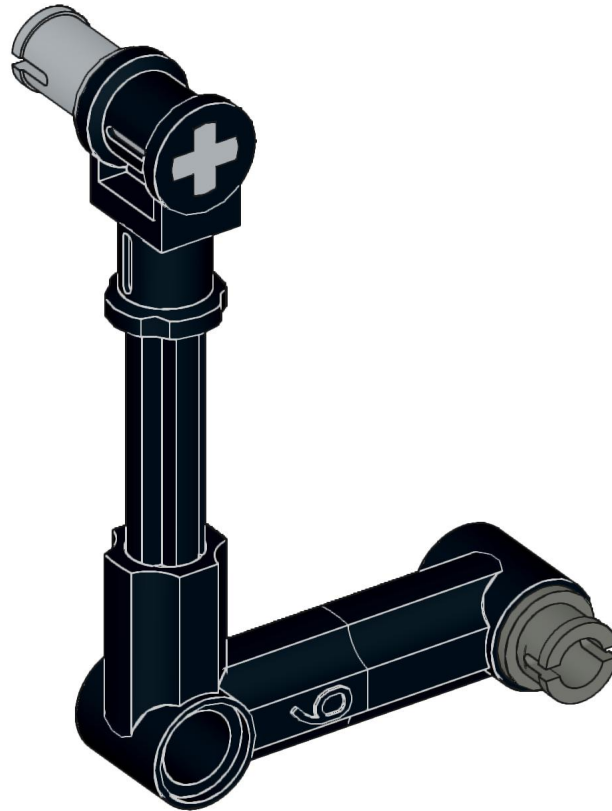
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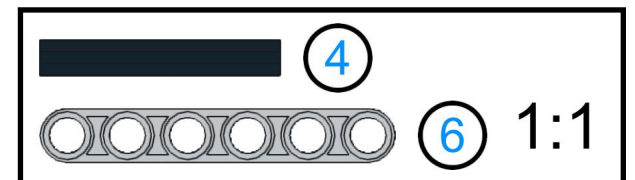
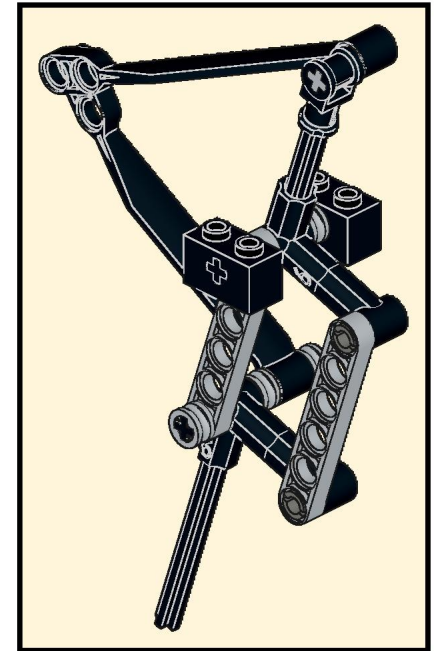
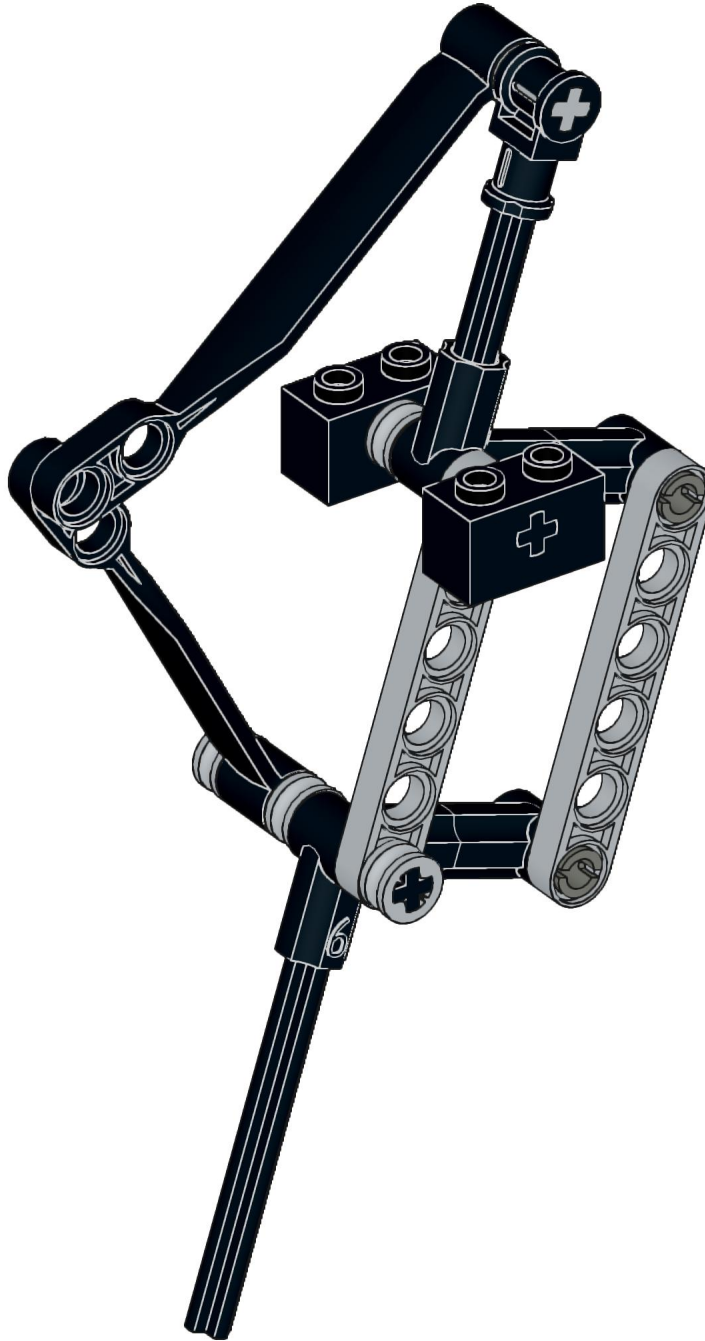
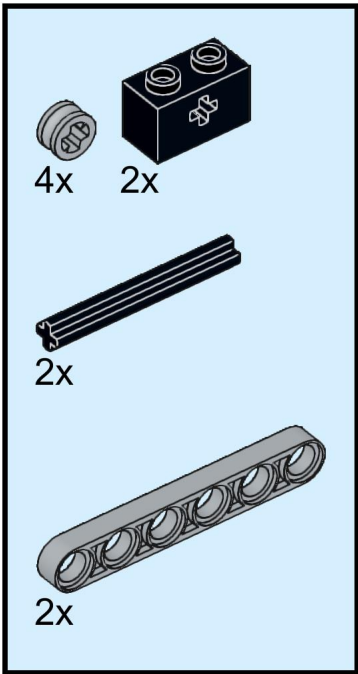
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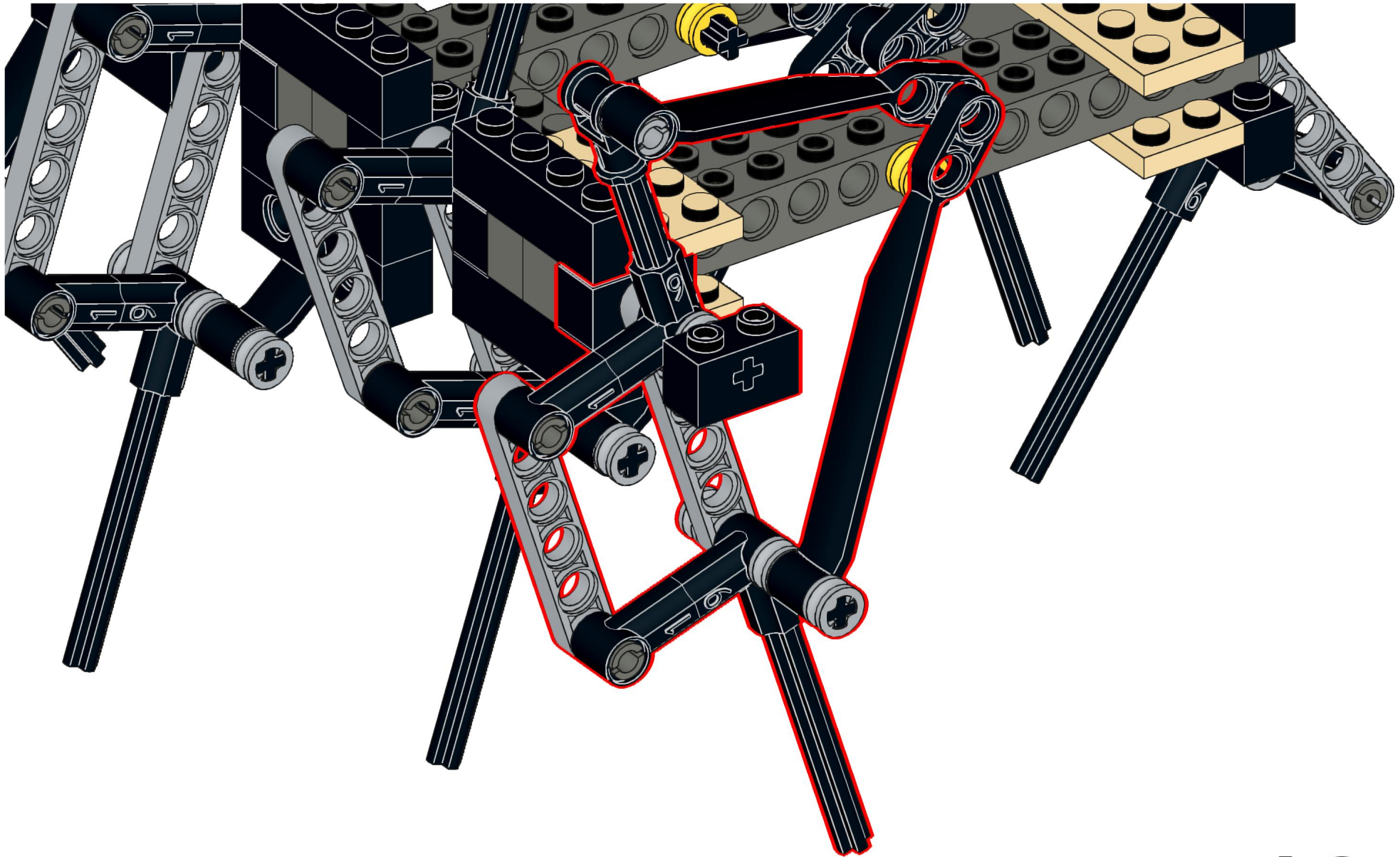


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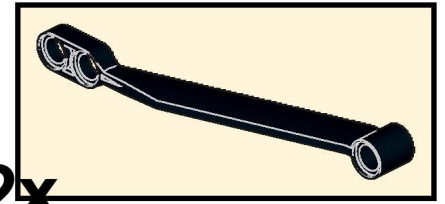
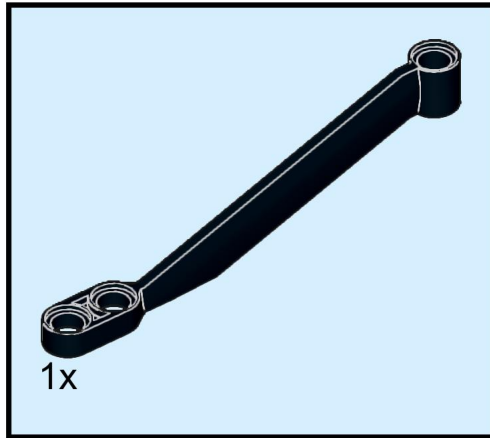
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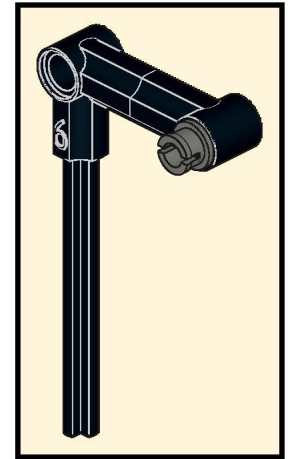


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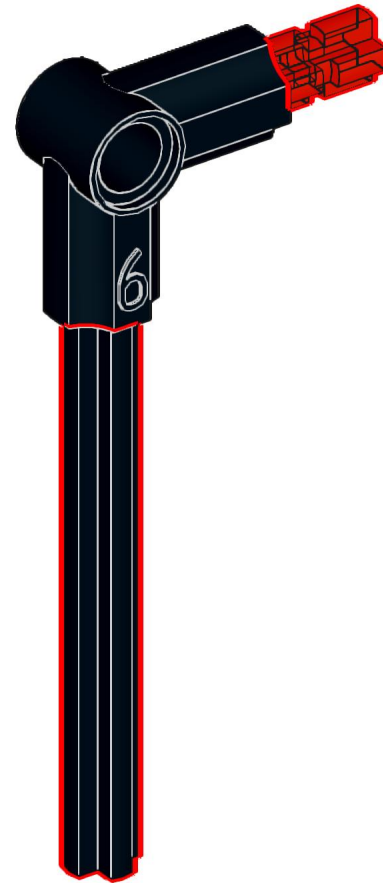
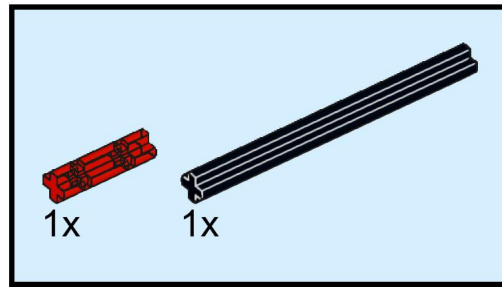
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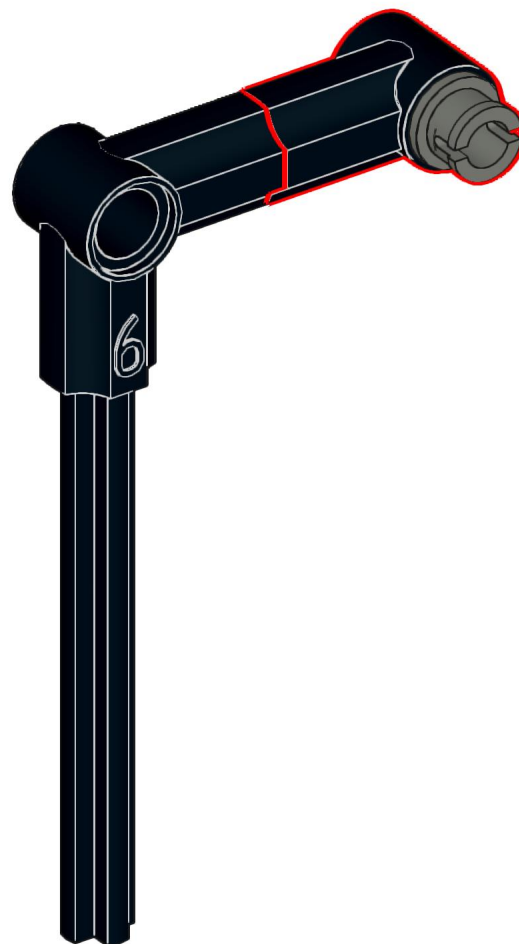
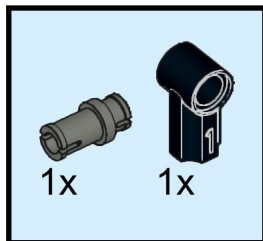
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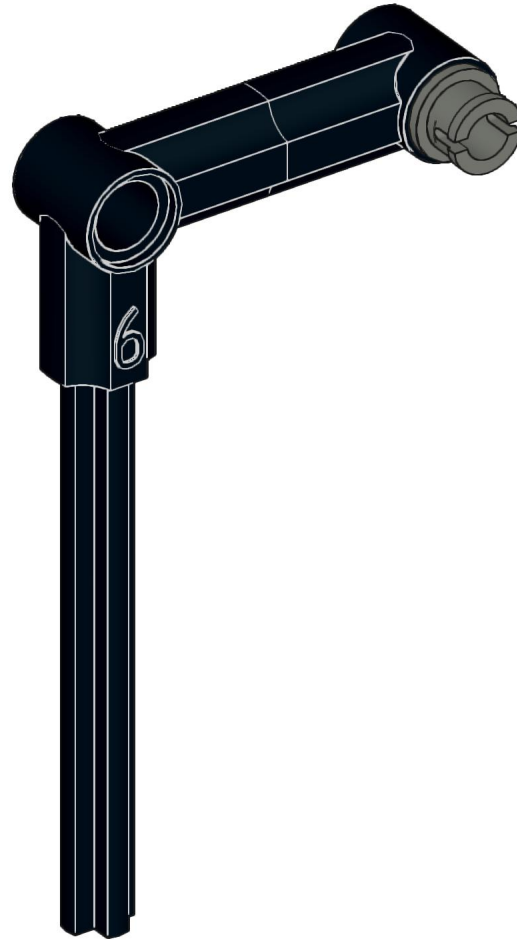
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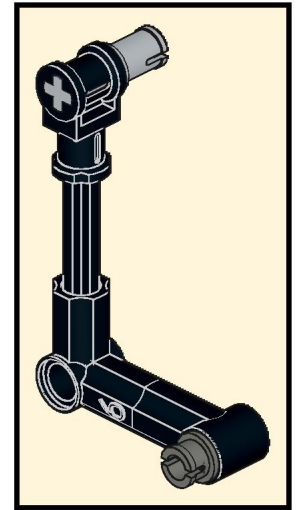
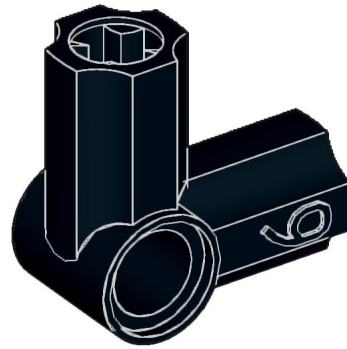
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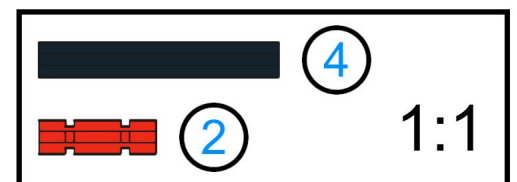
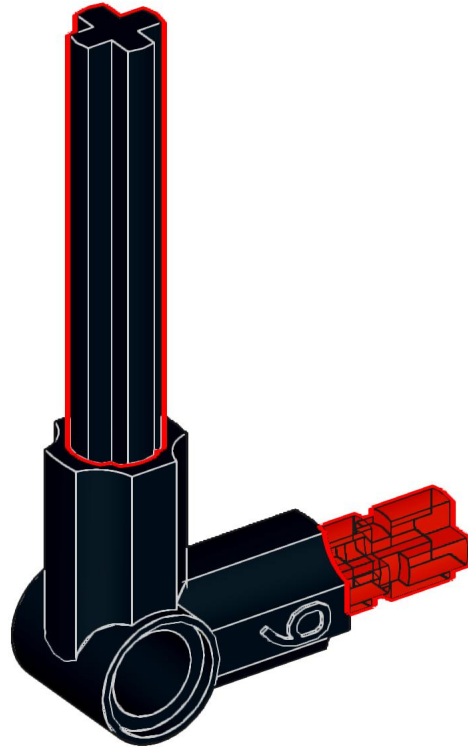
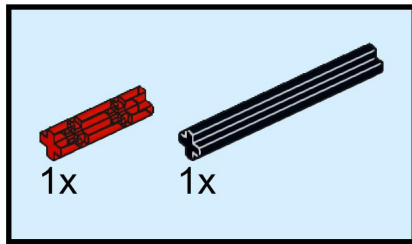
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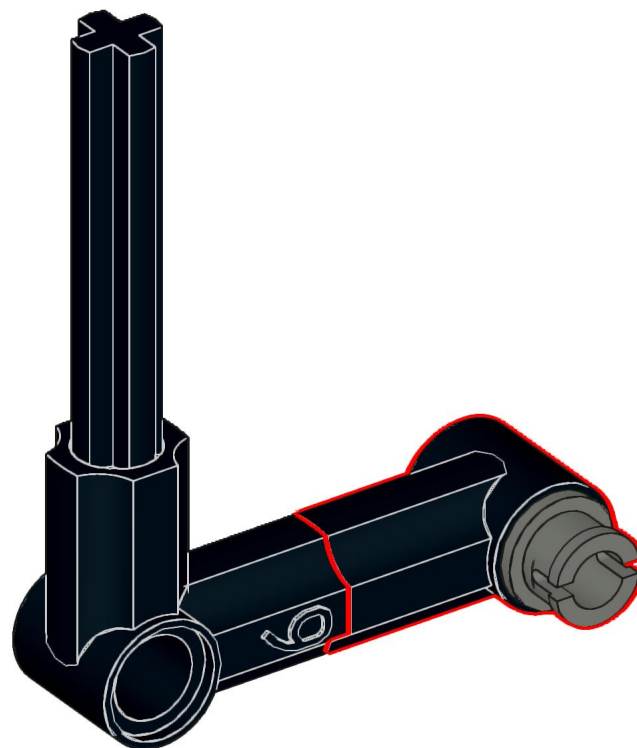
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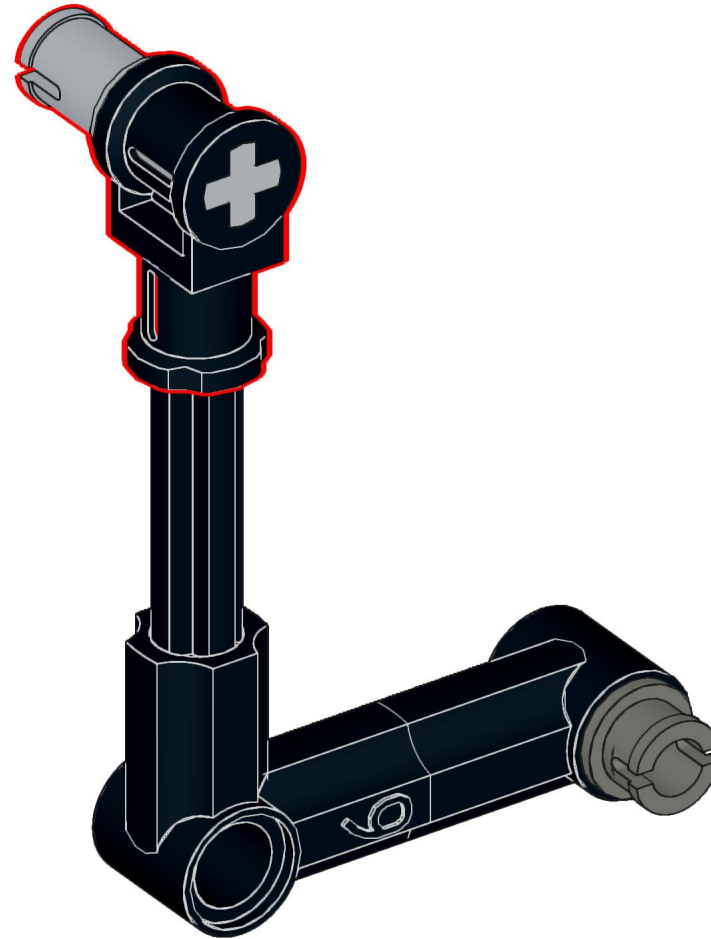
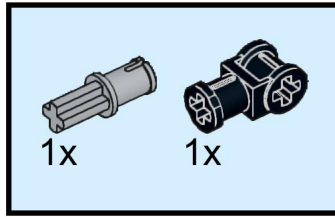
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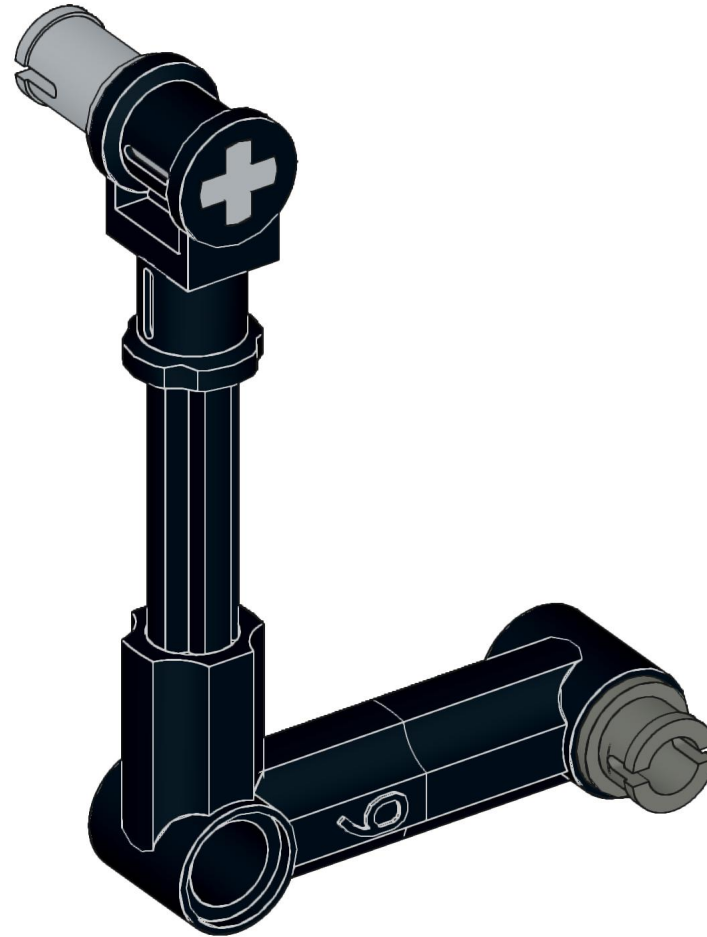
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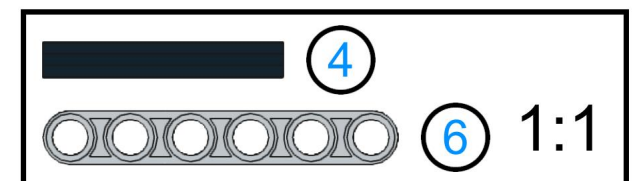
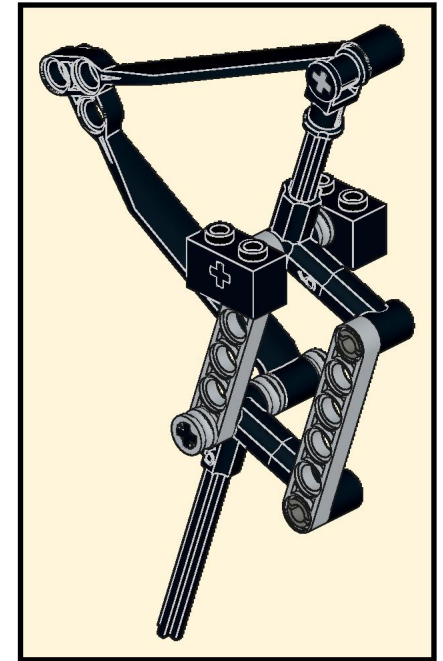
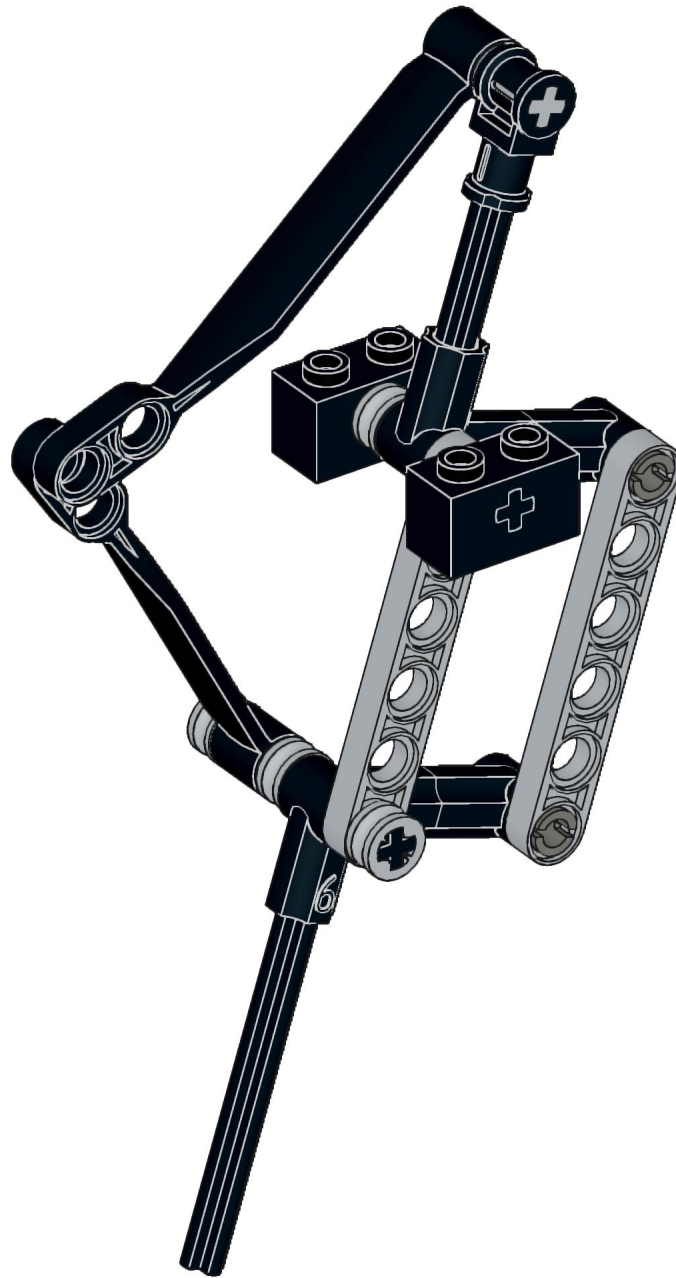
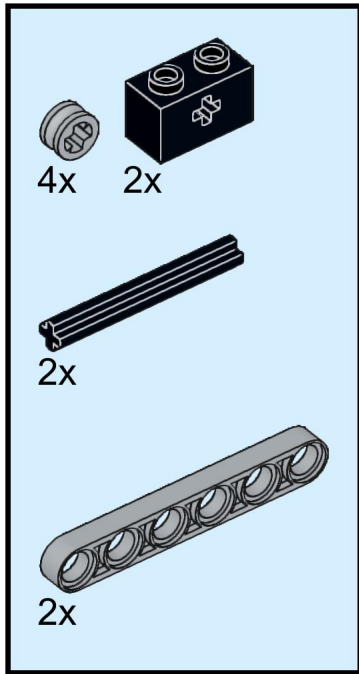
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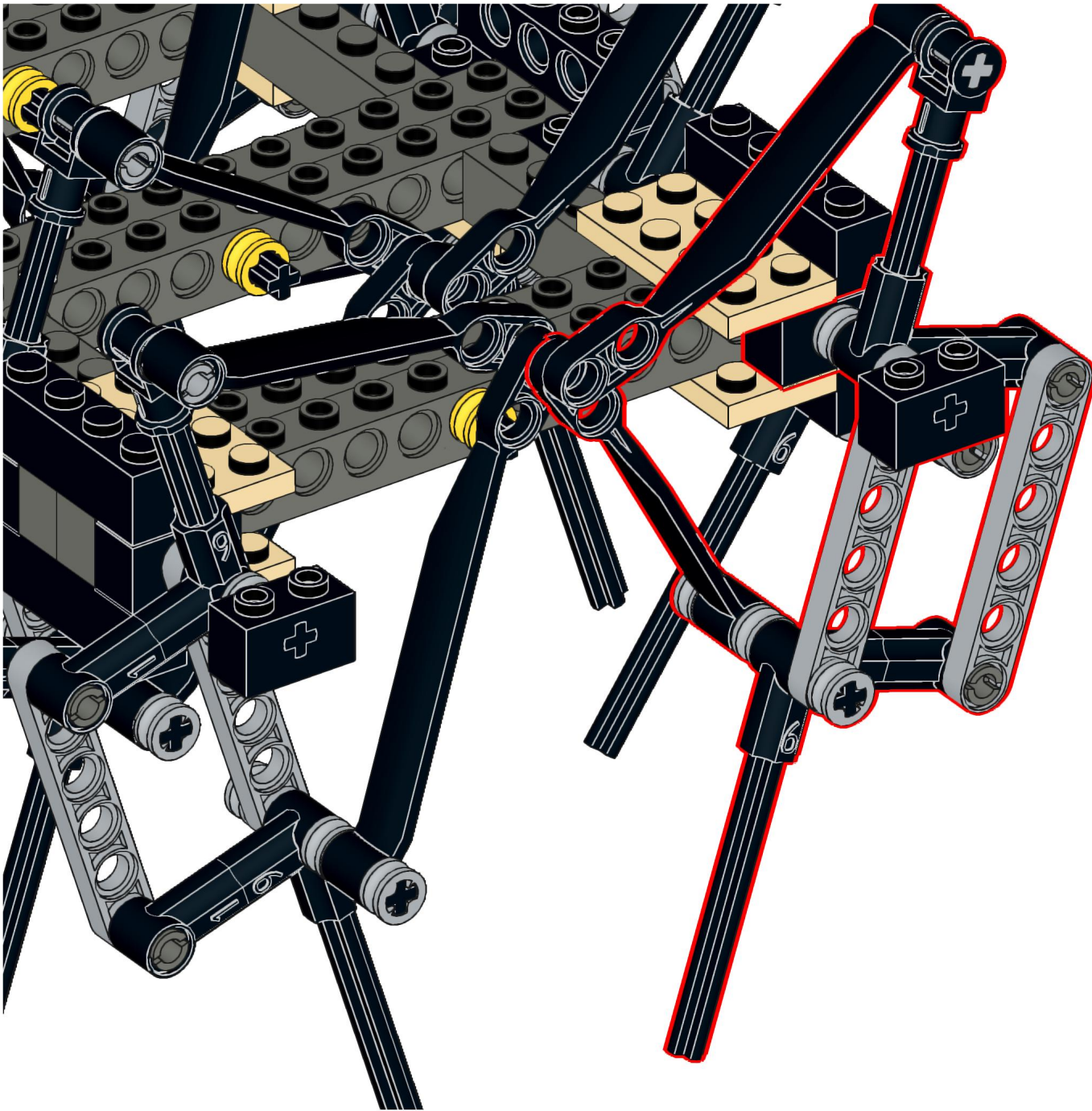
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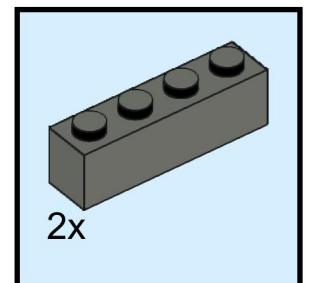
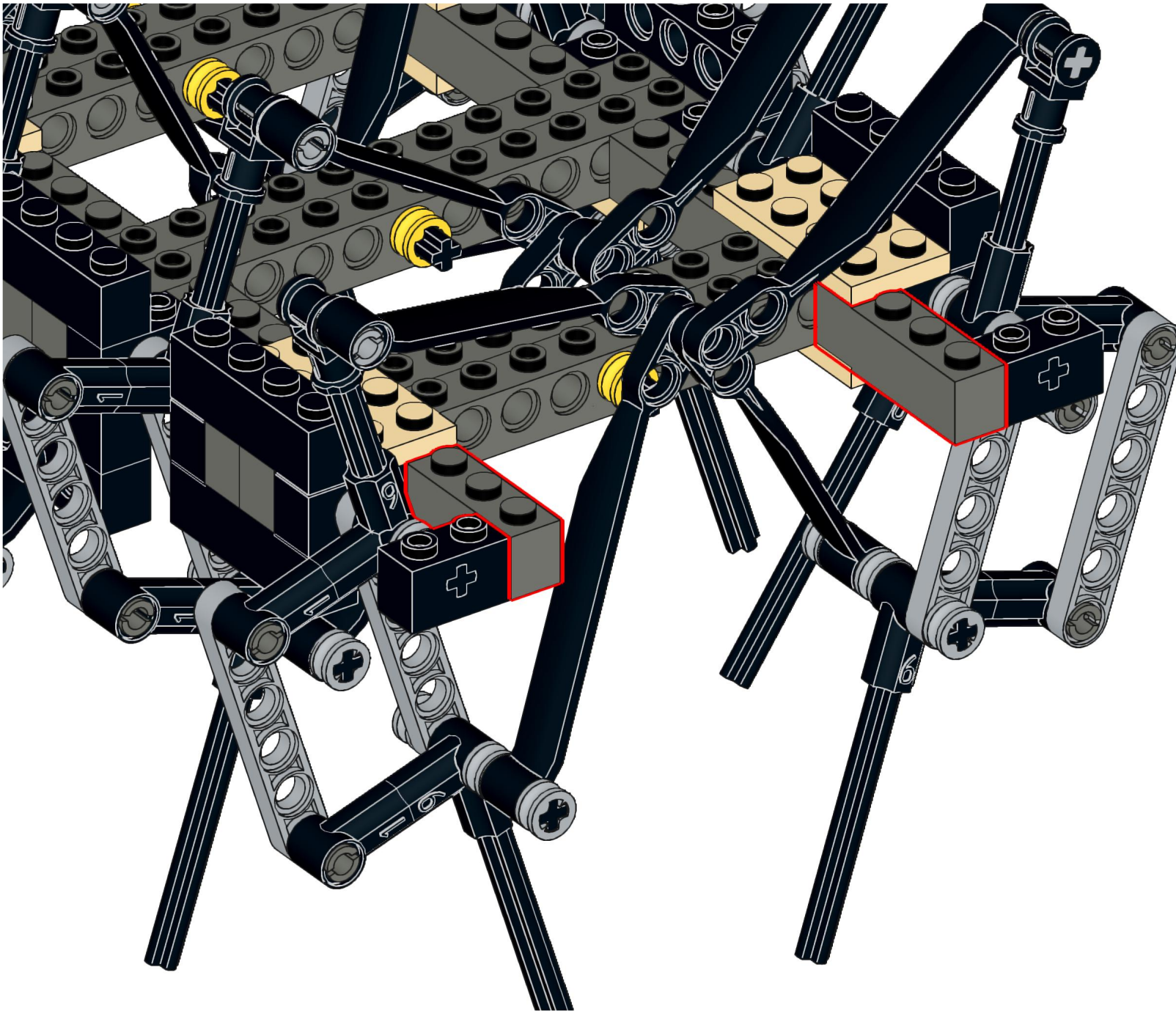
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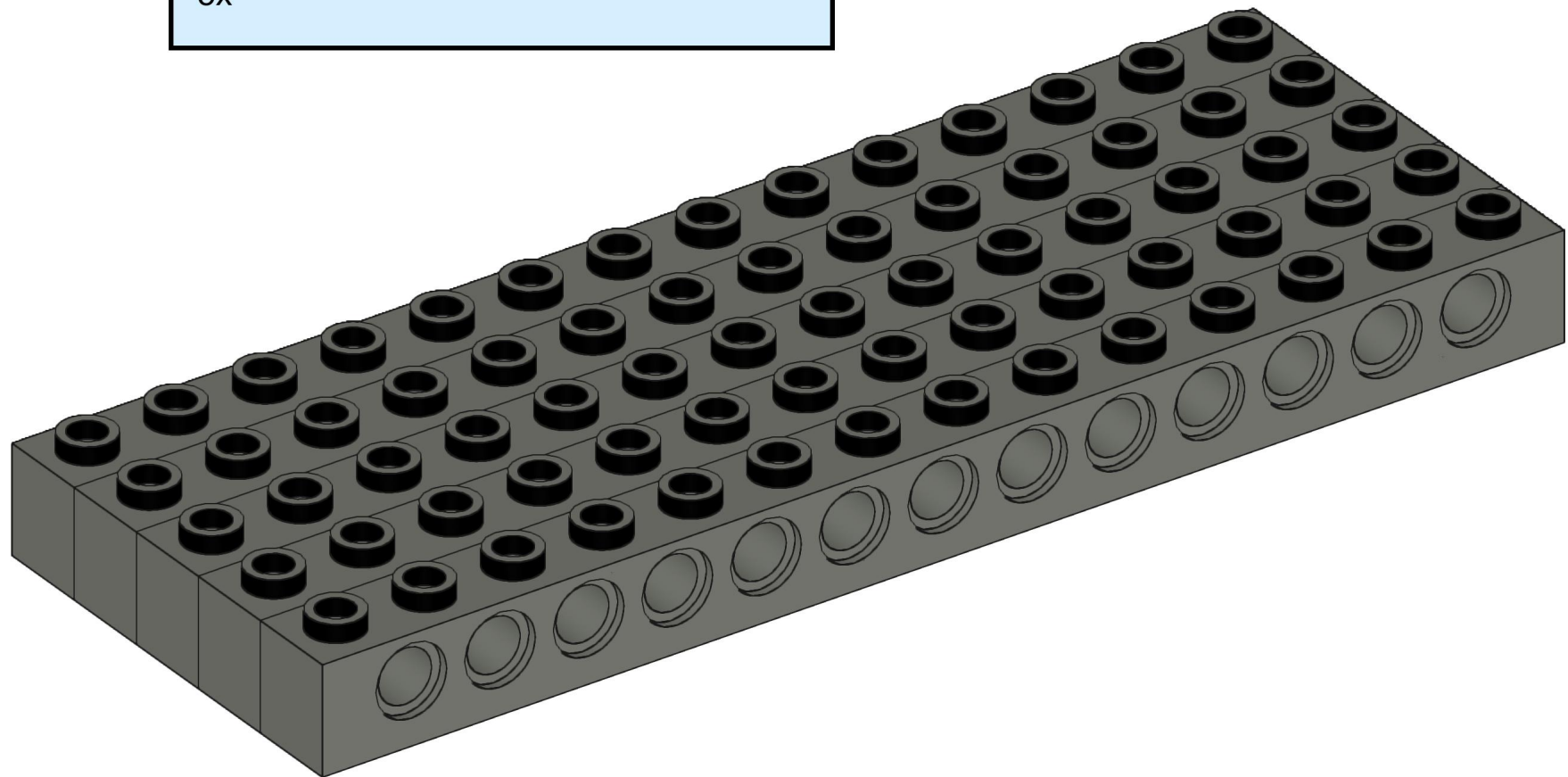
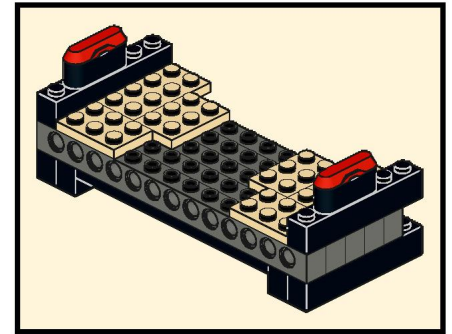
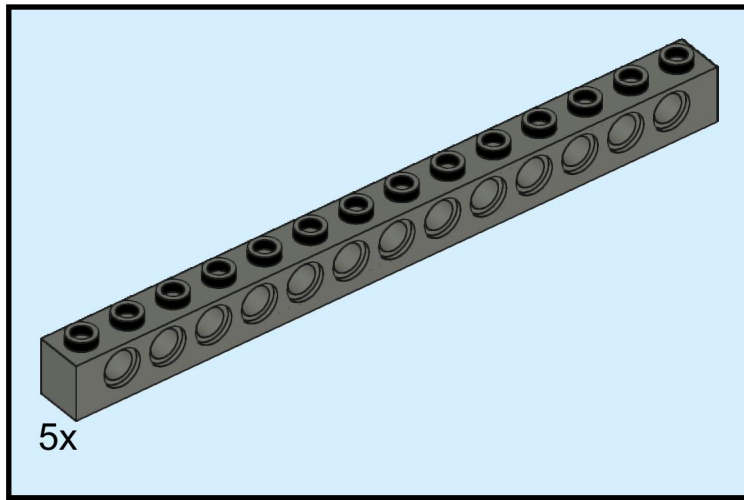
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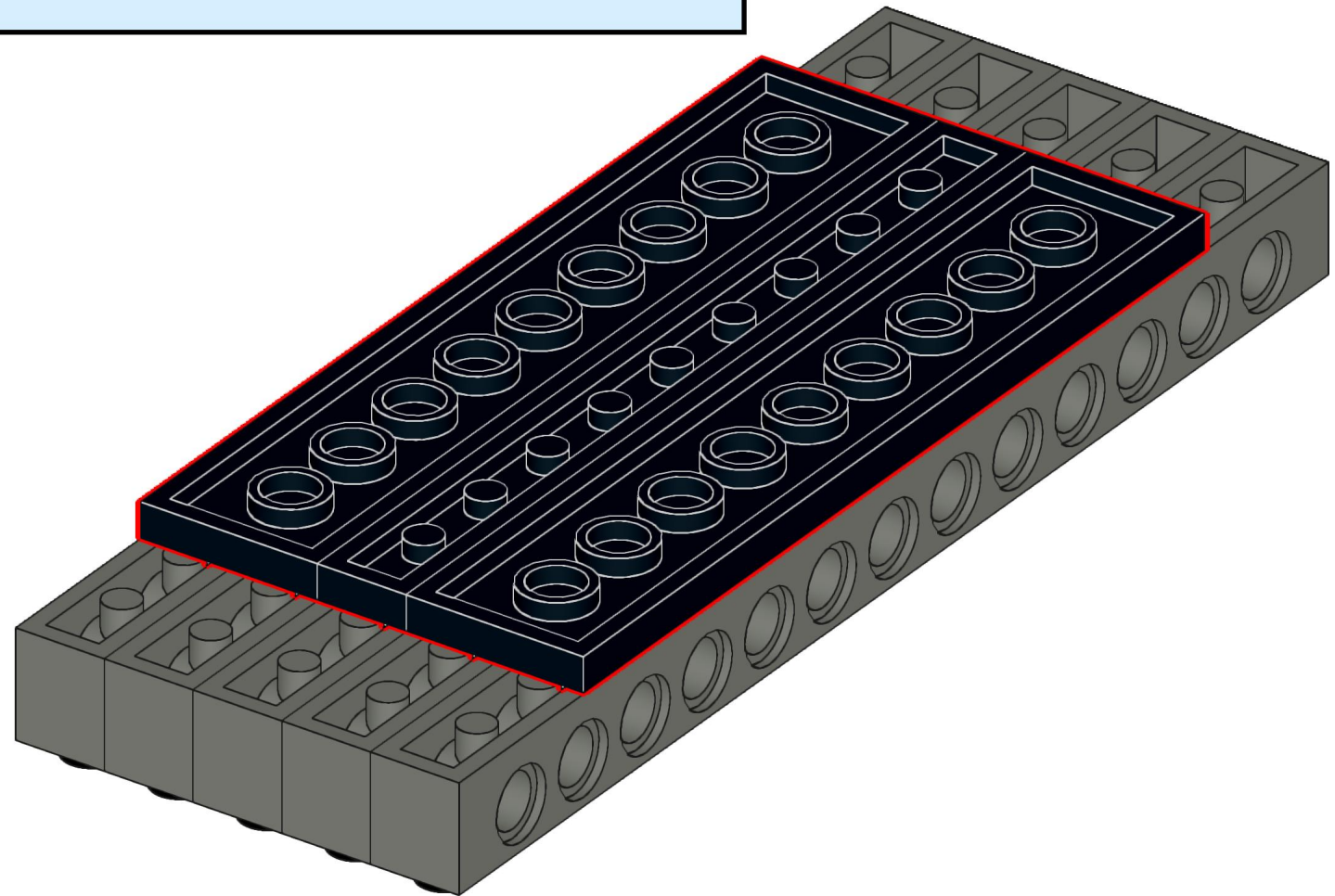
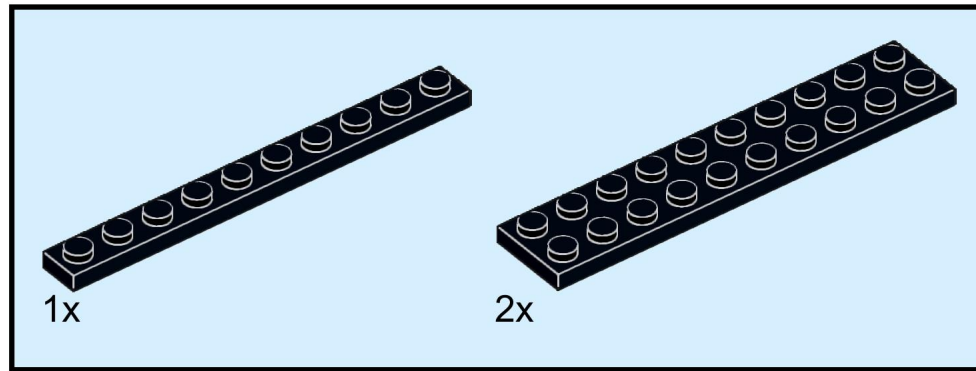
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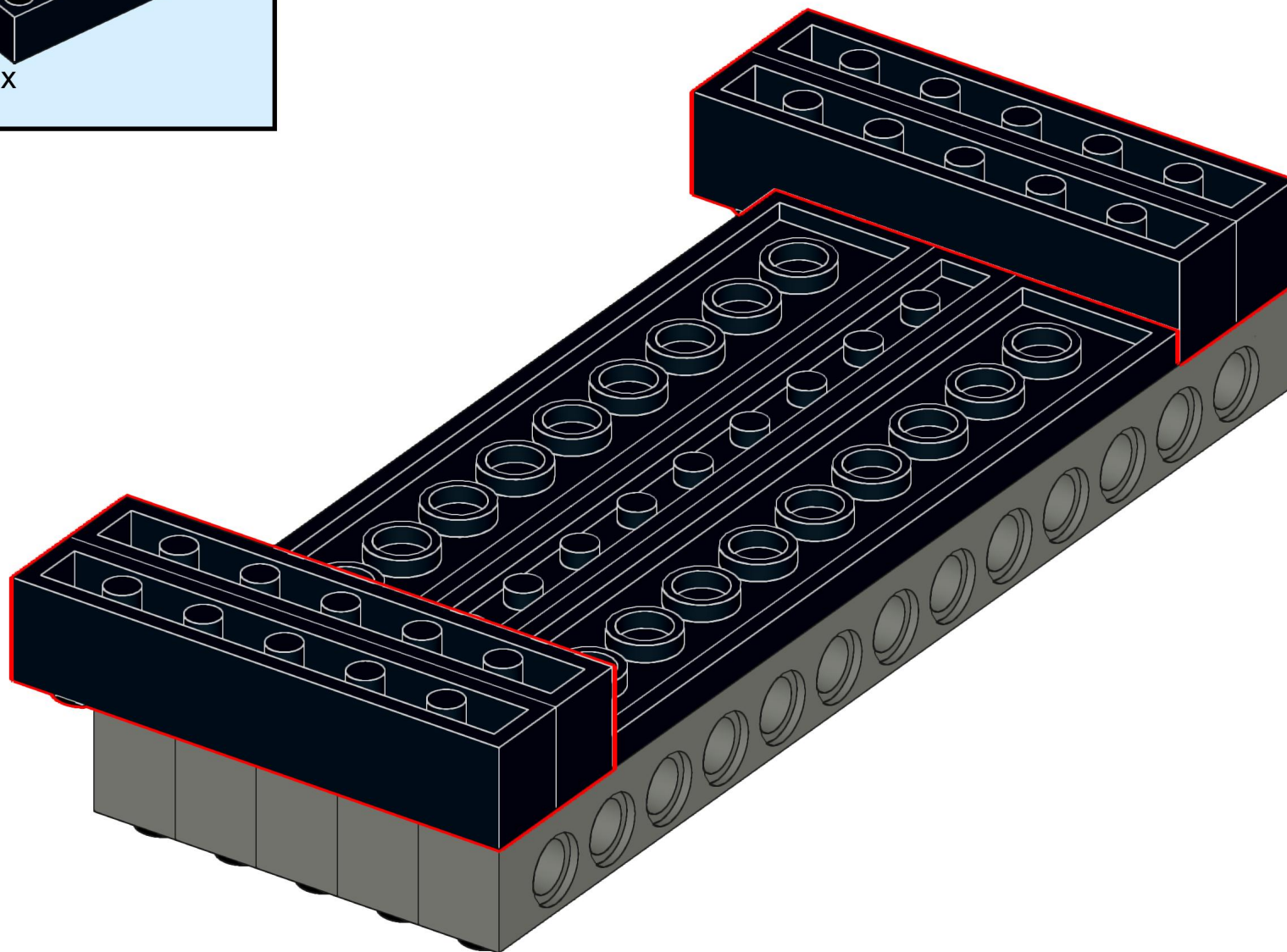
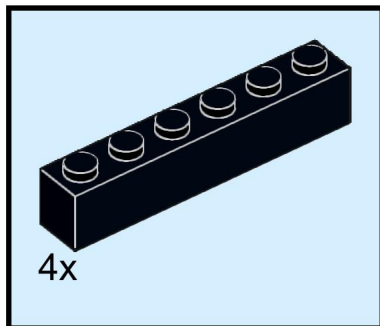
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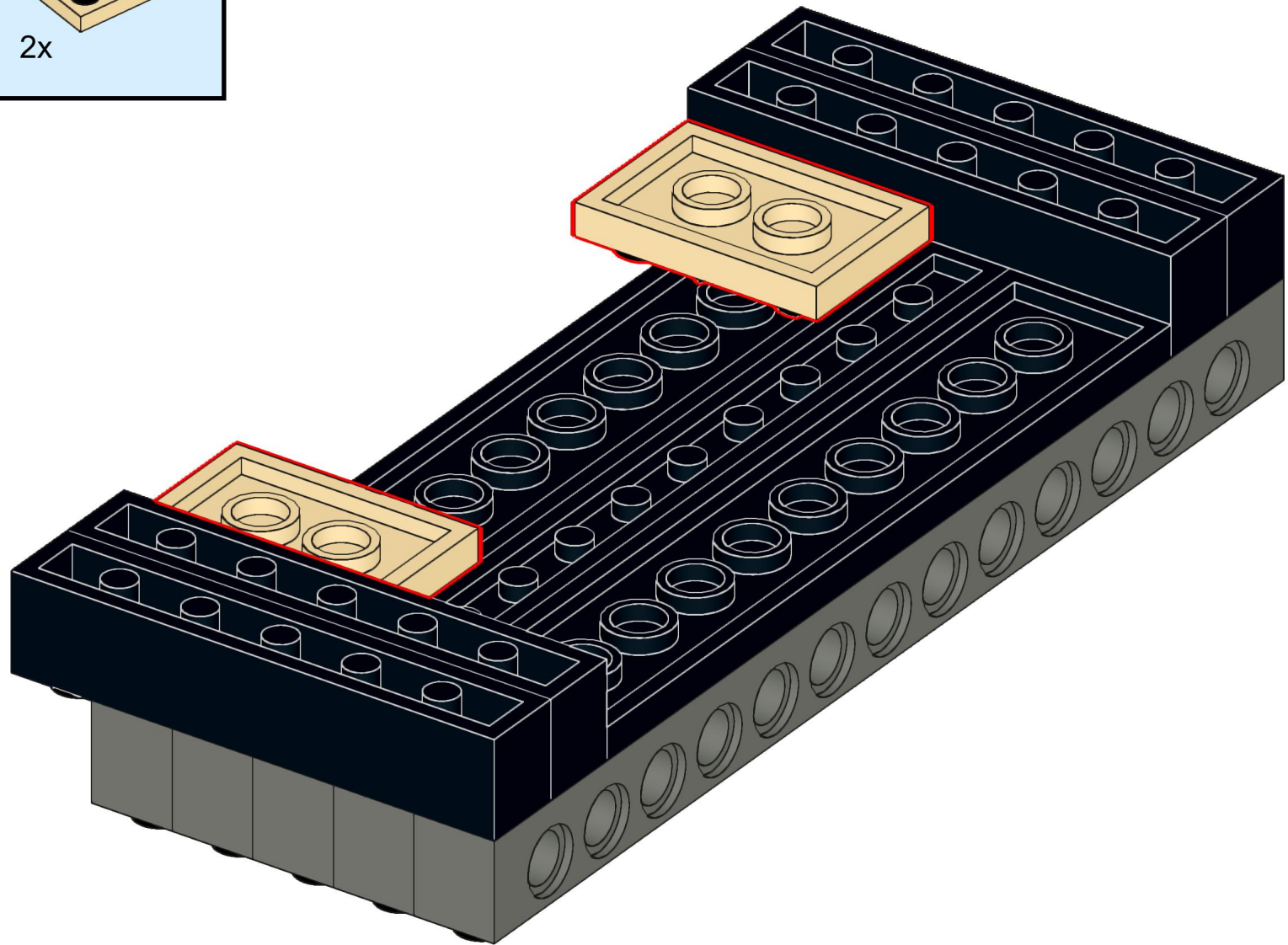
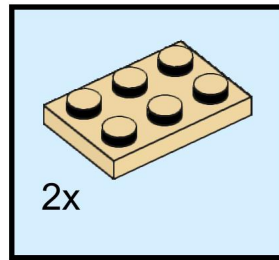
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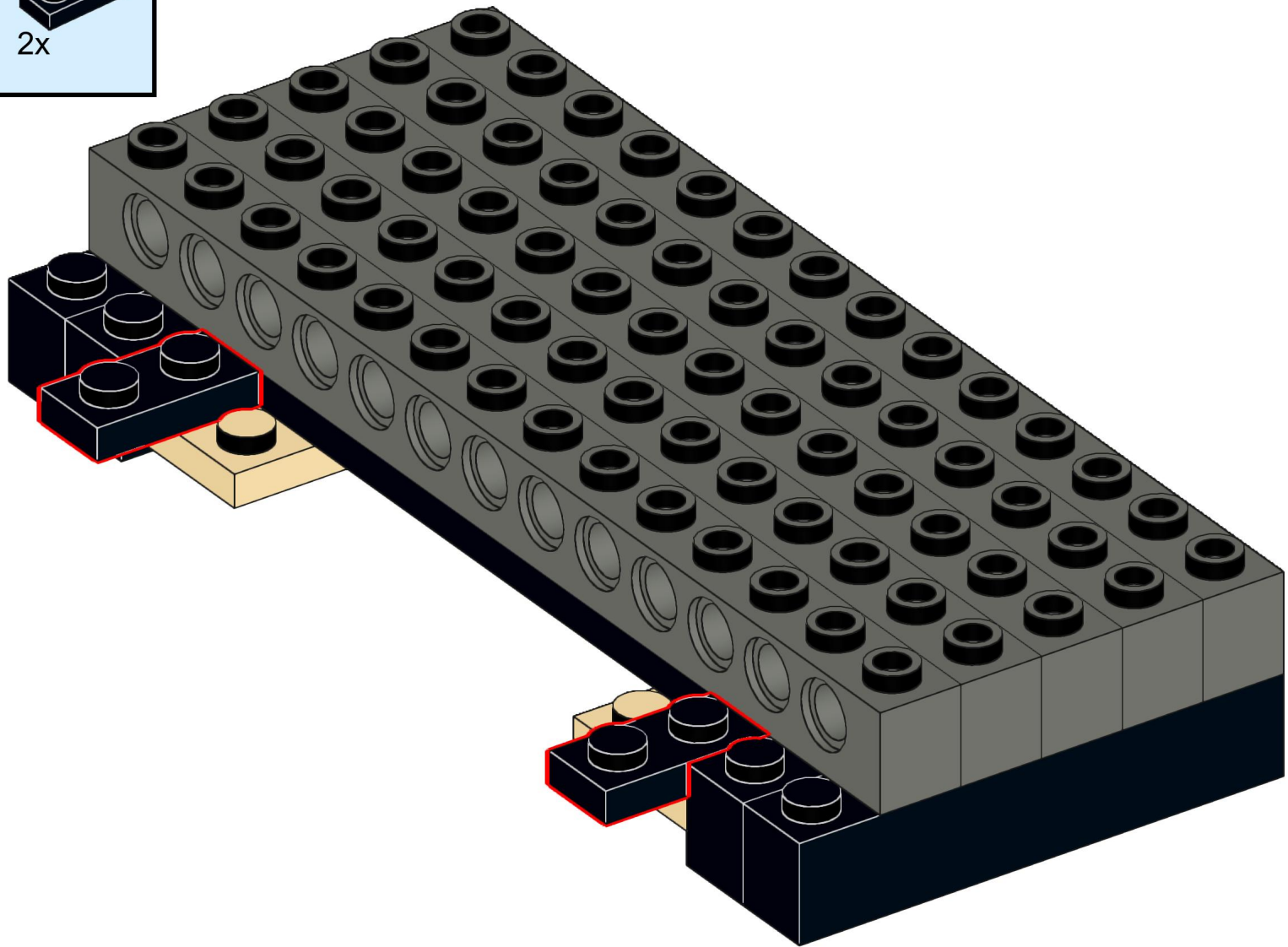
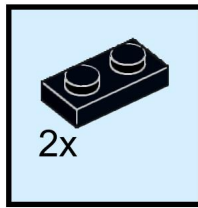
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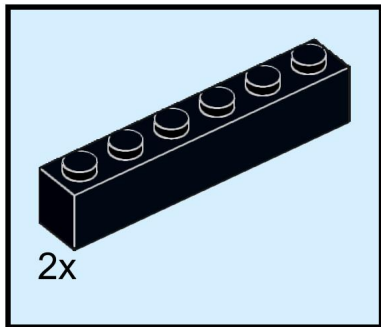
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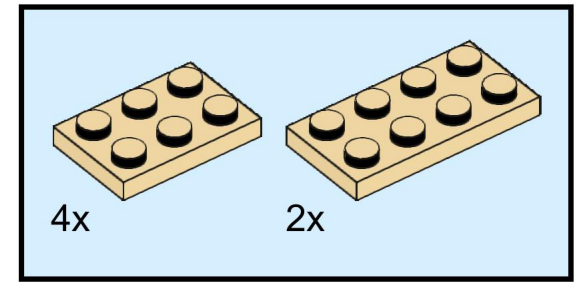
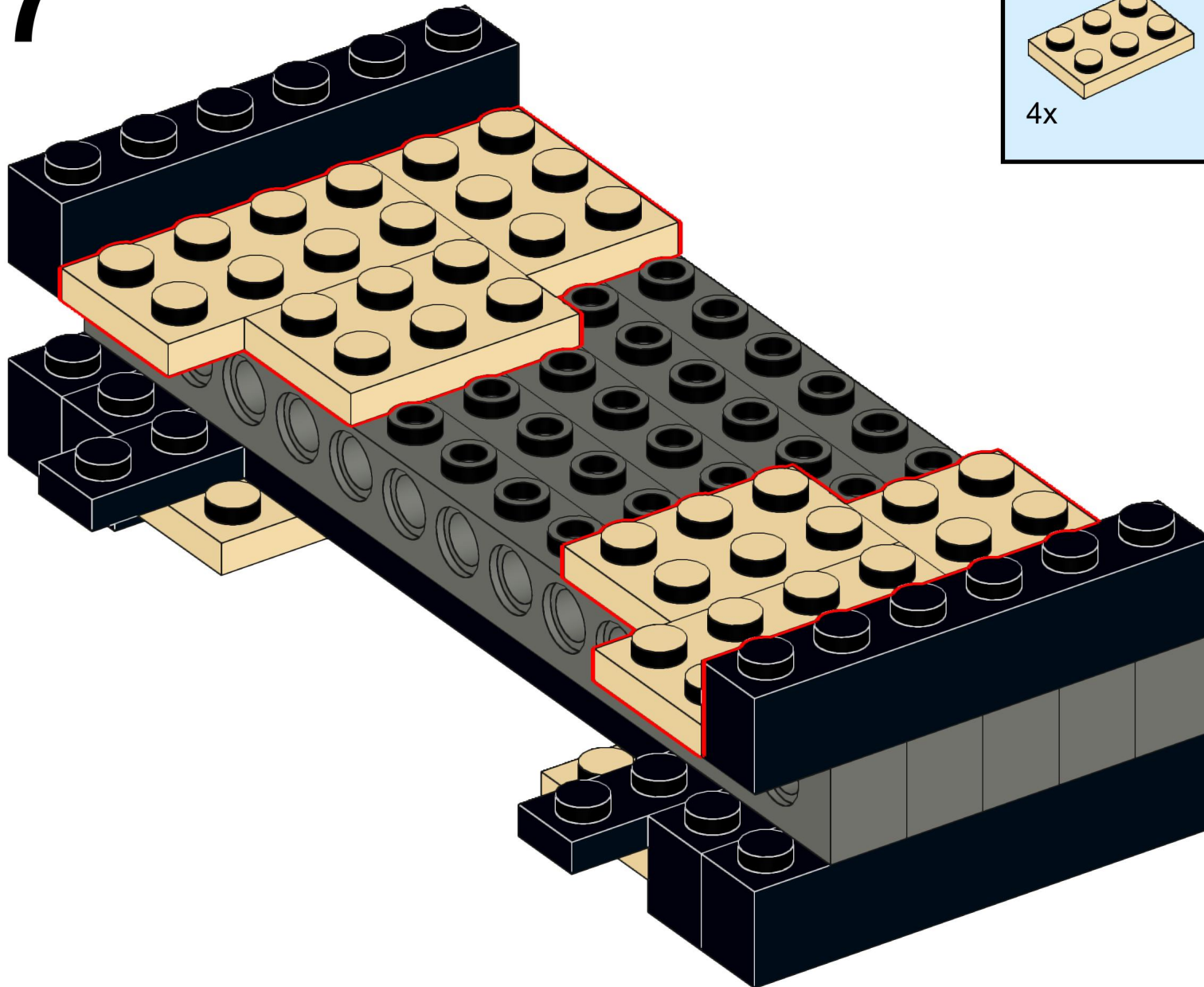
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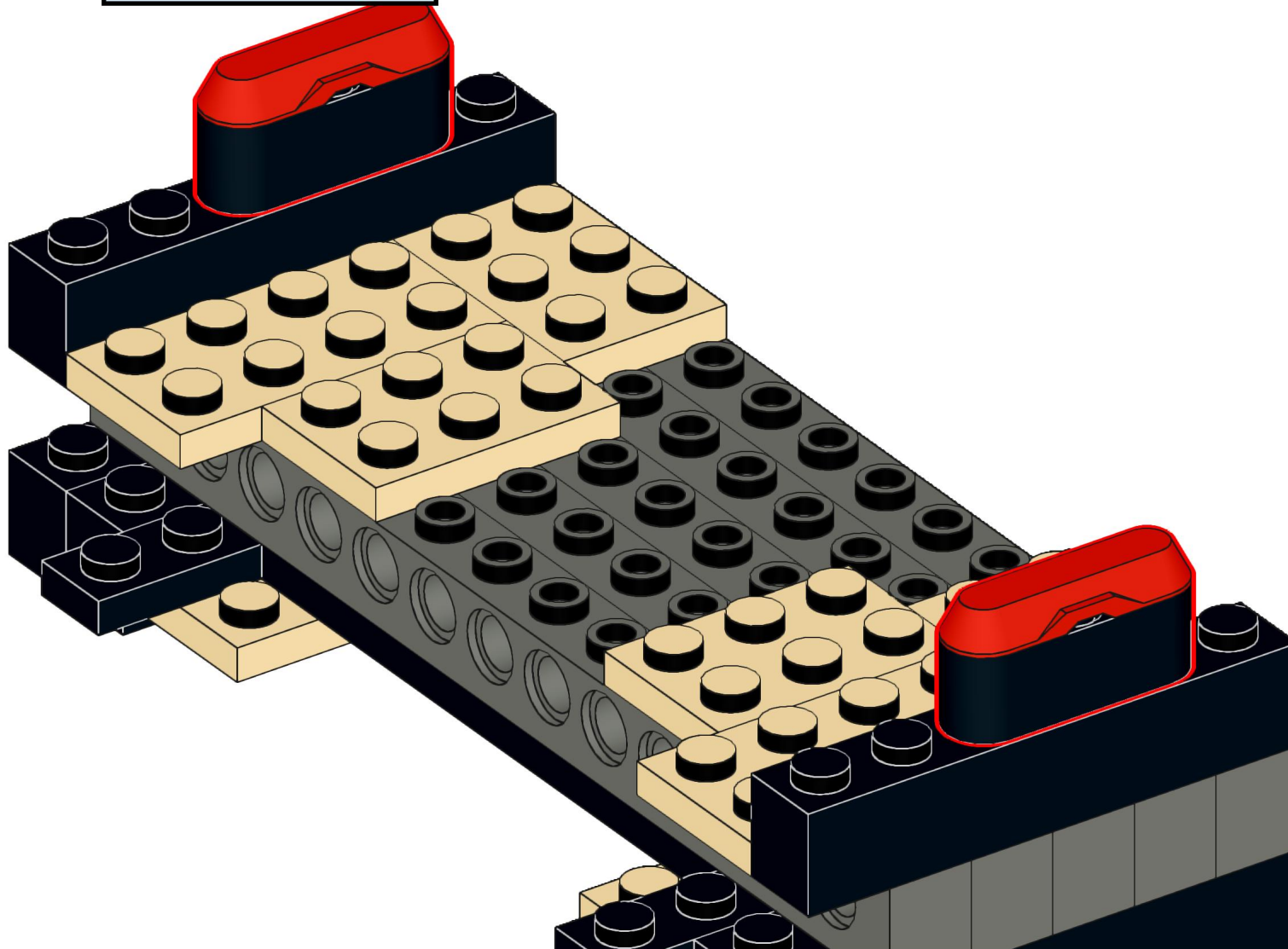
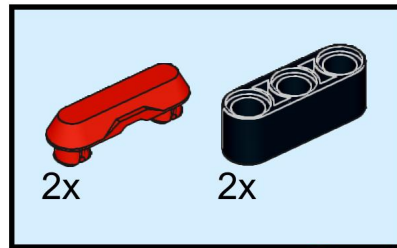
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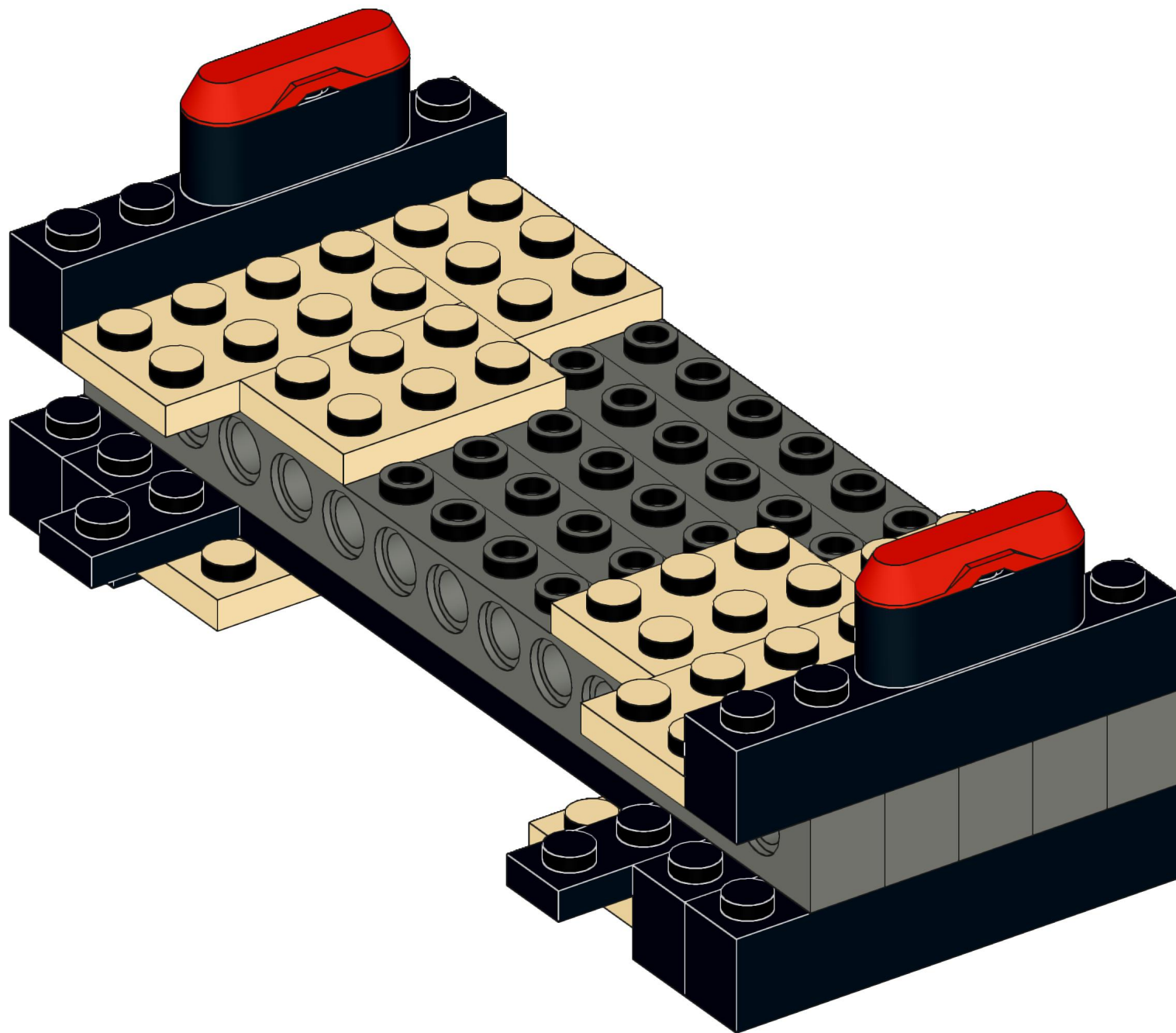
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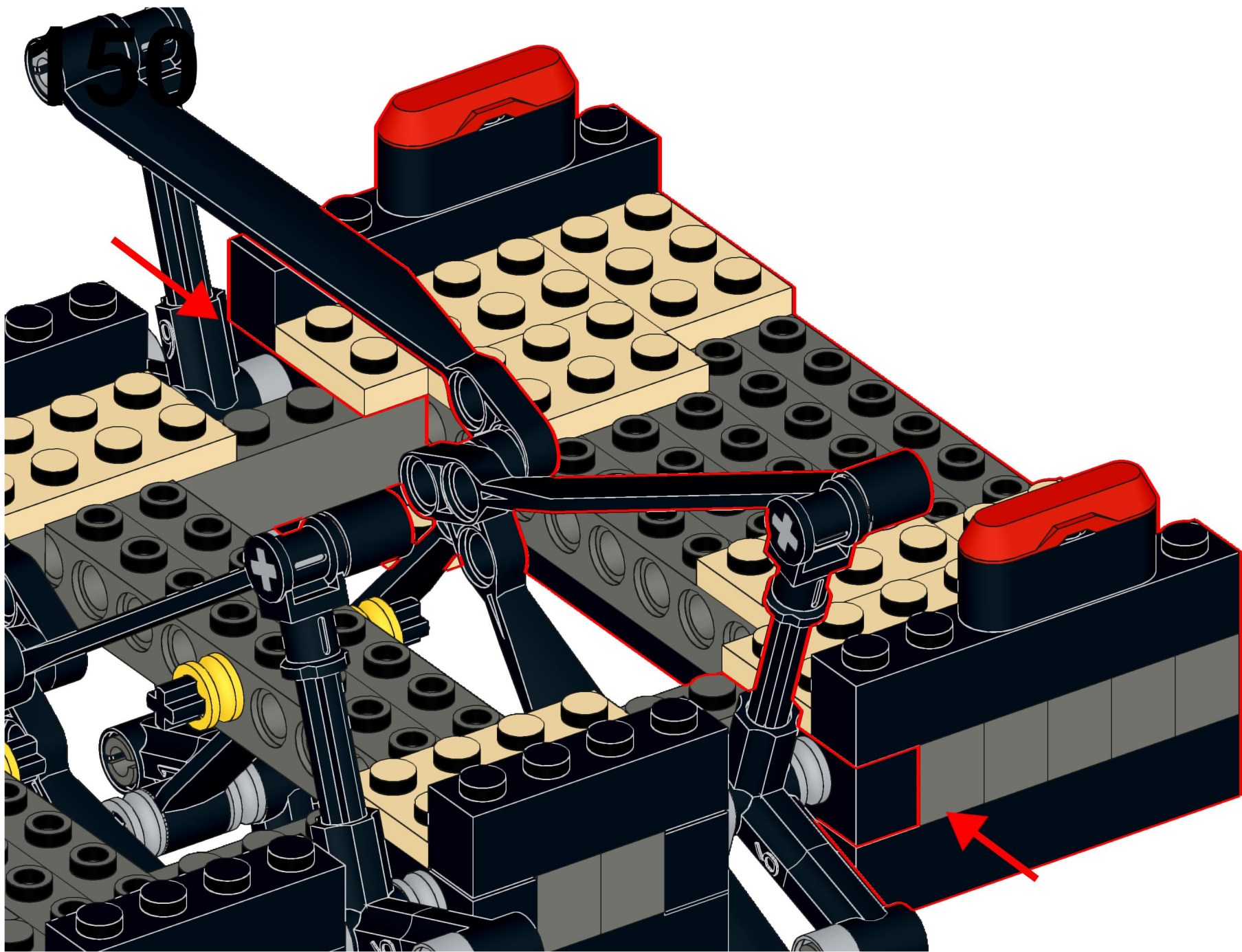


148

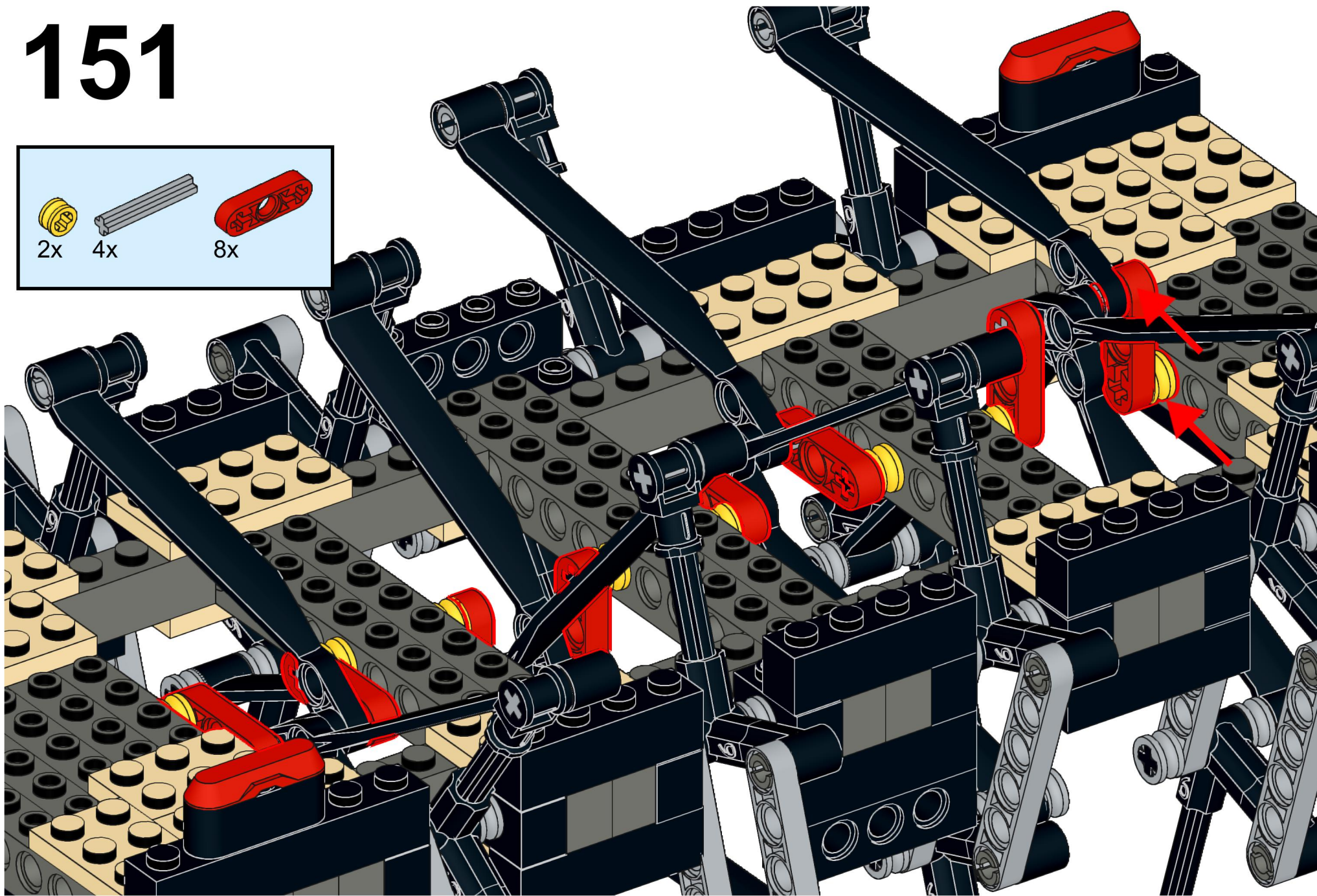
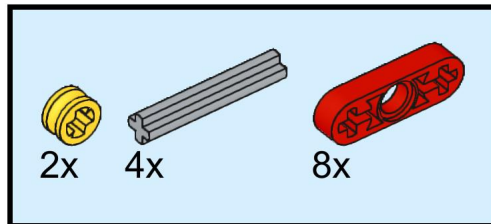


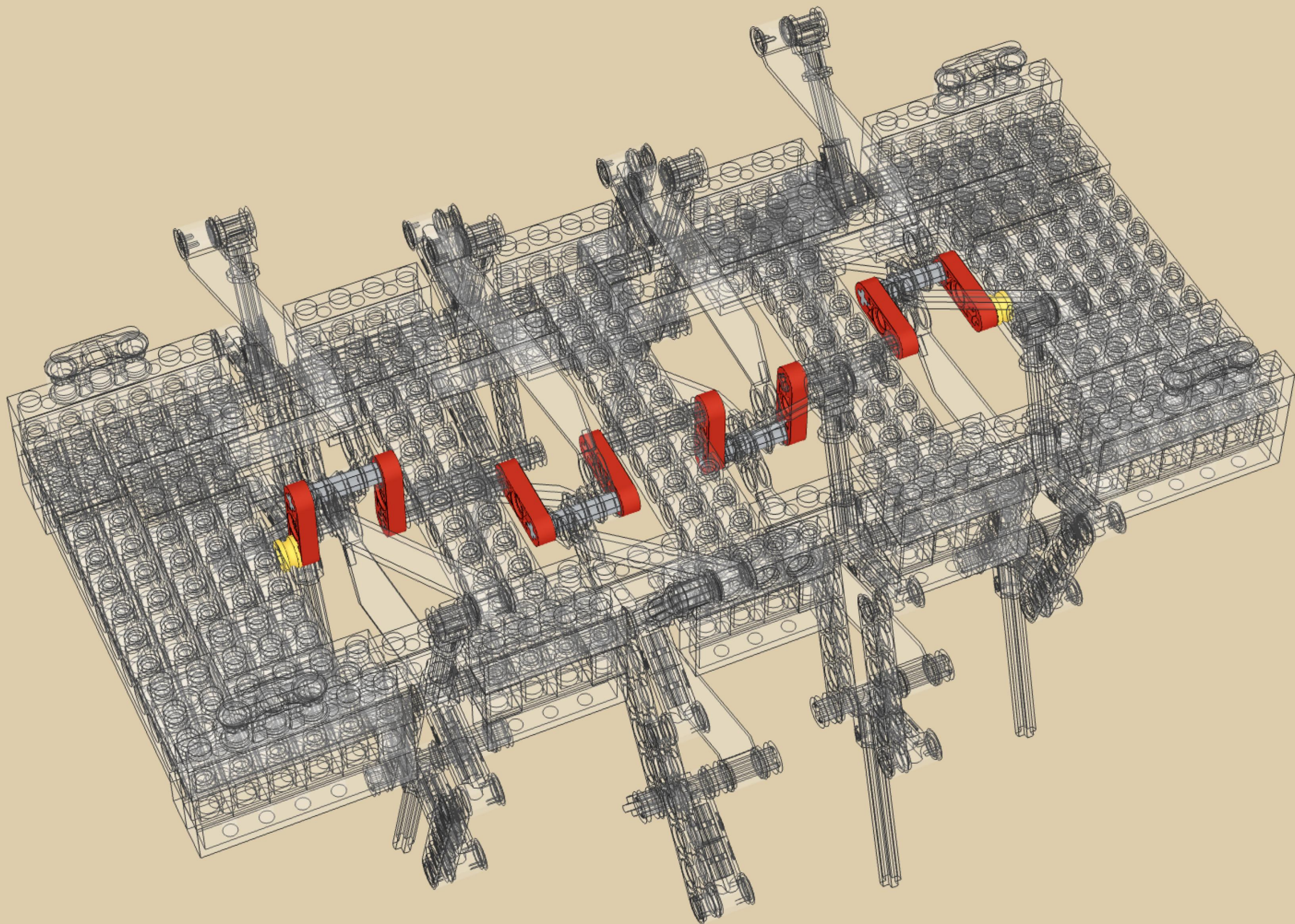
149



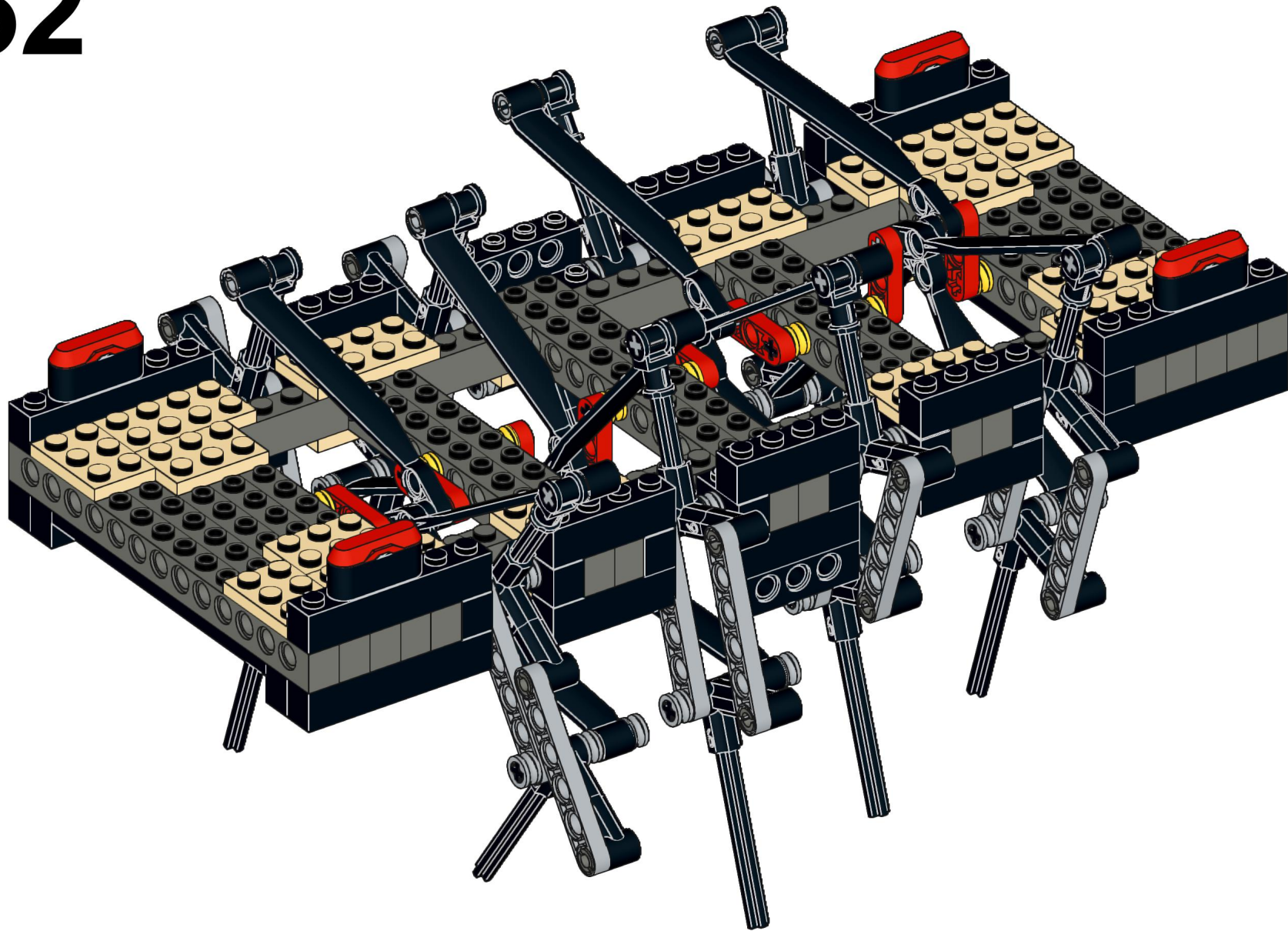


151

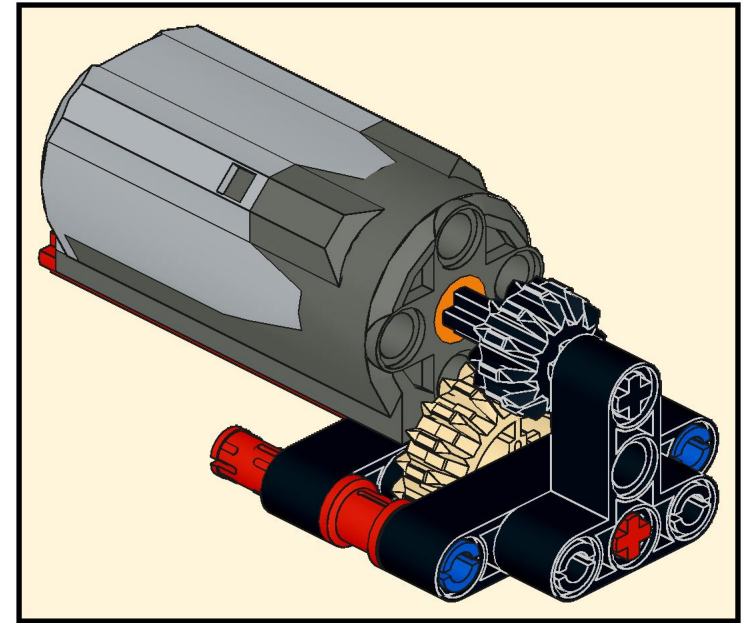
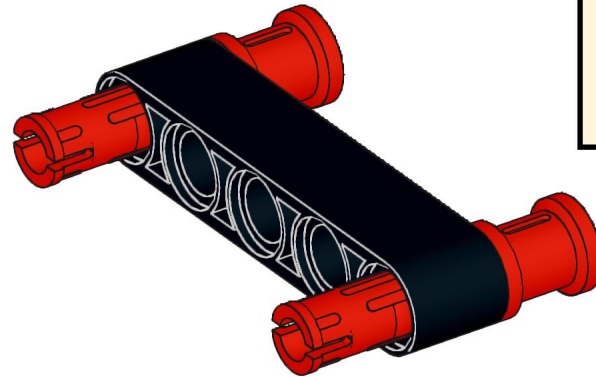
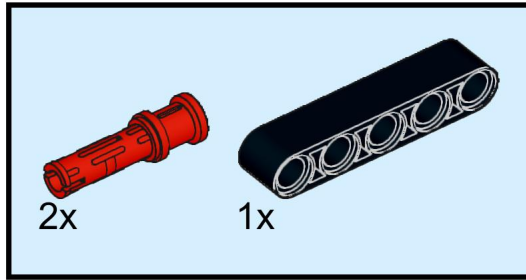




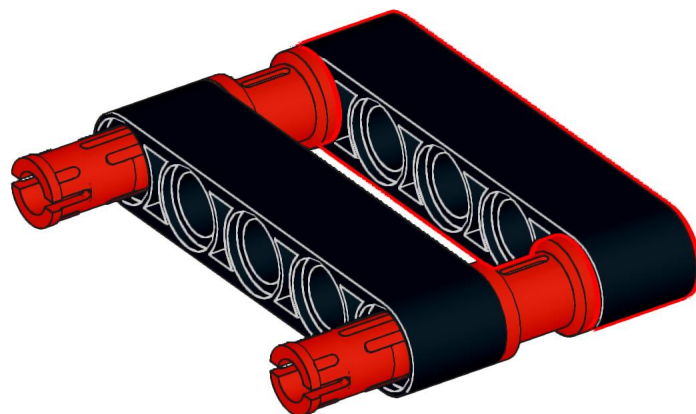
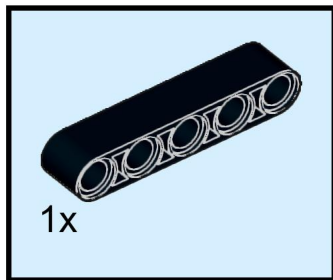
152



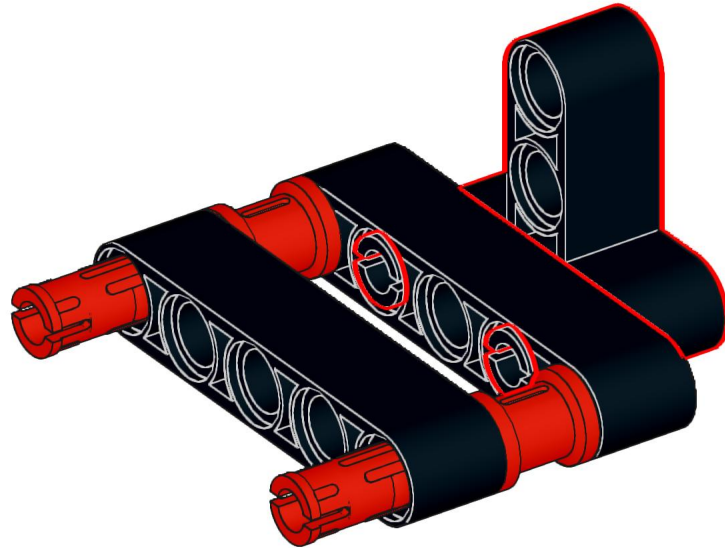
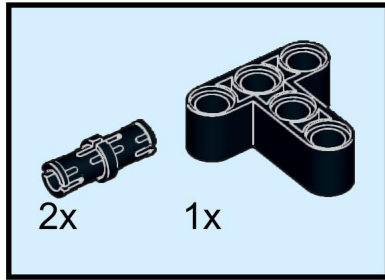
153



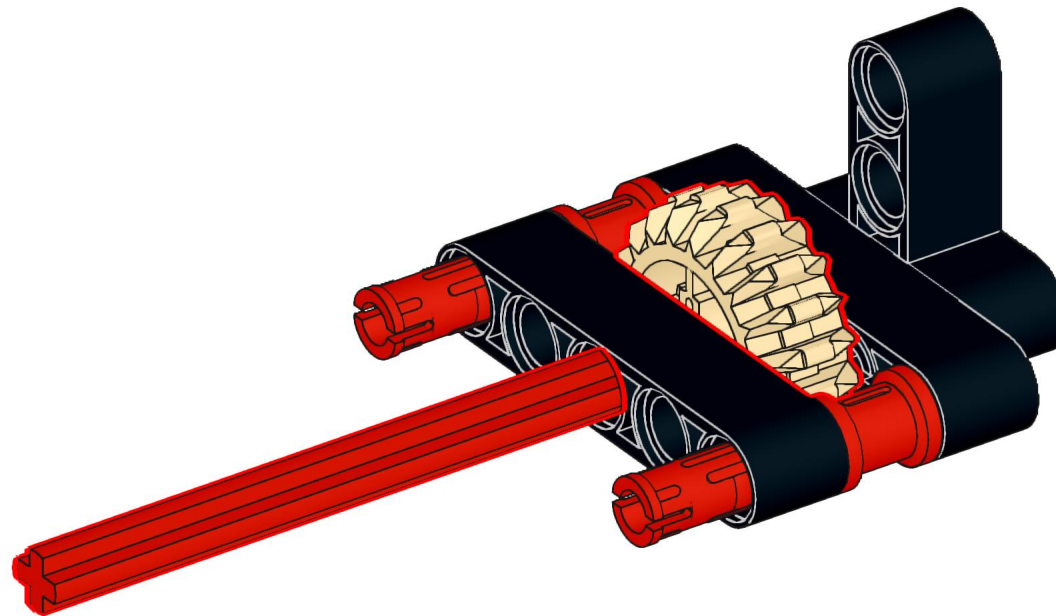
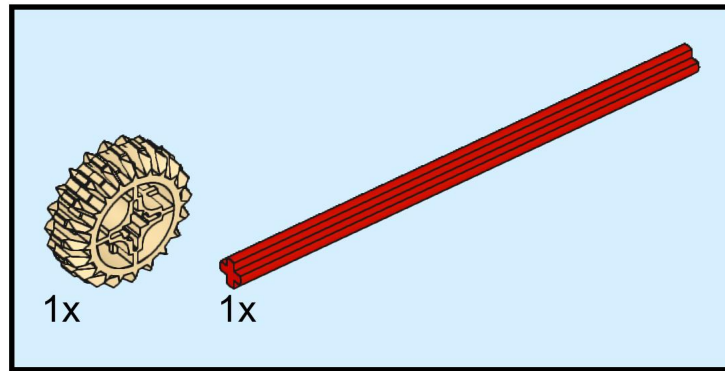
154



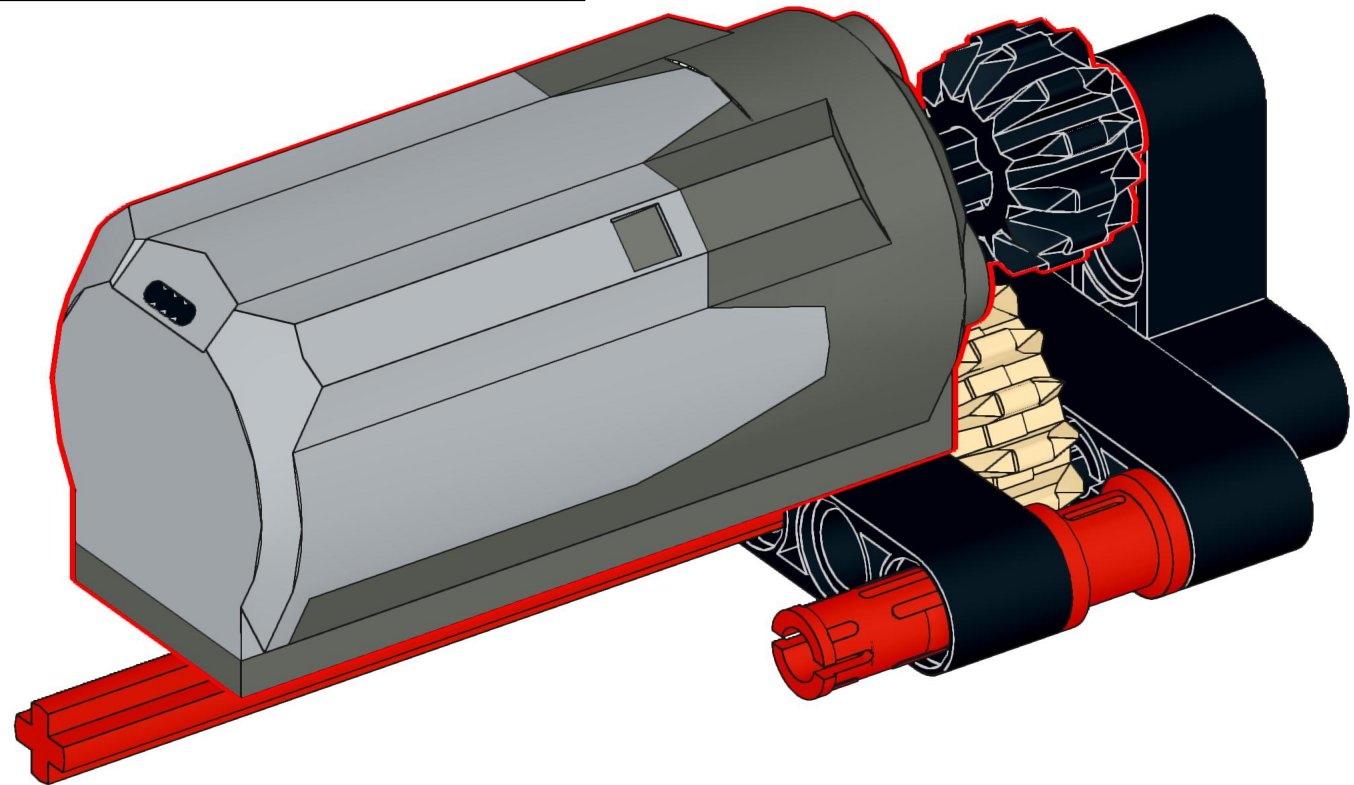
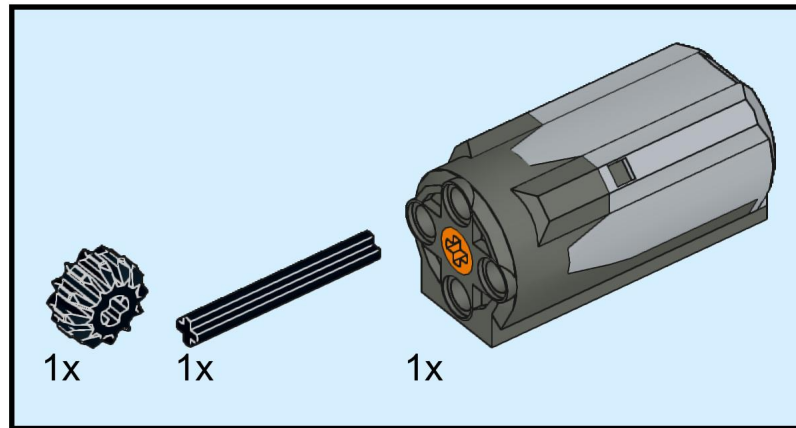
155



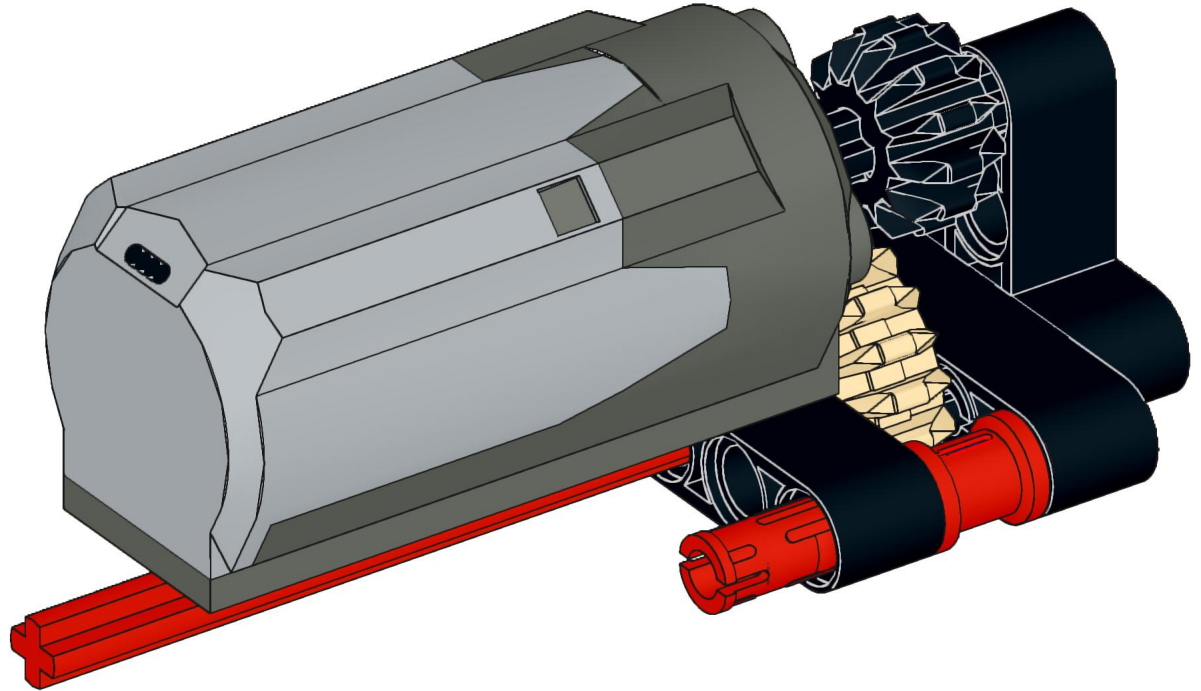
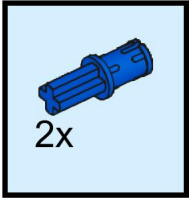
156



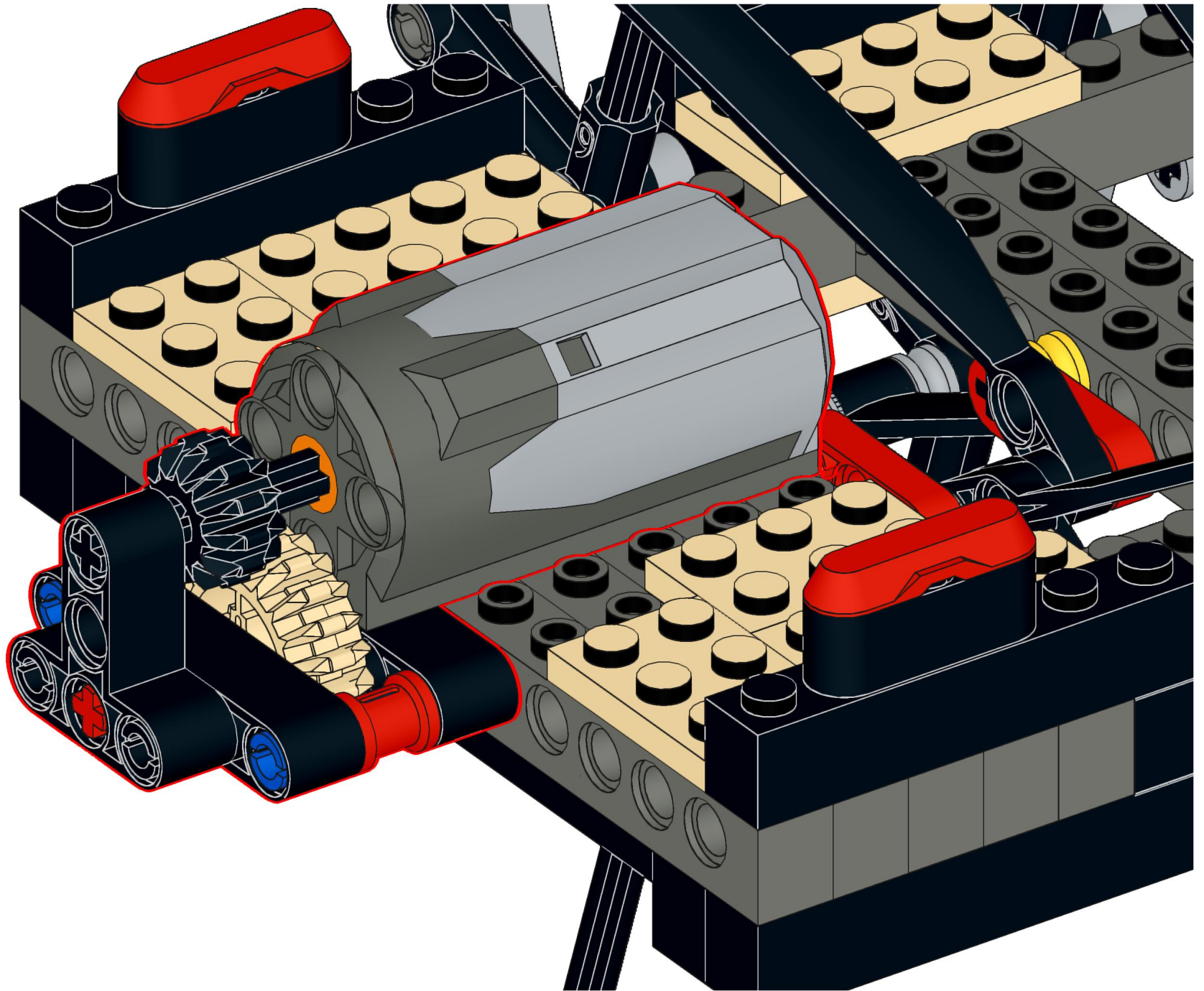
157



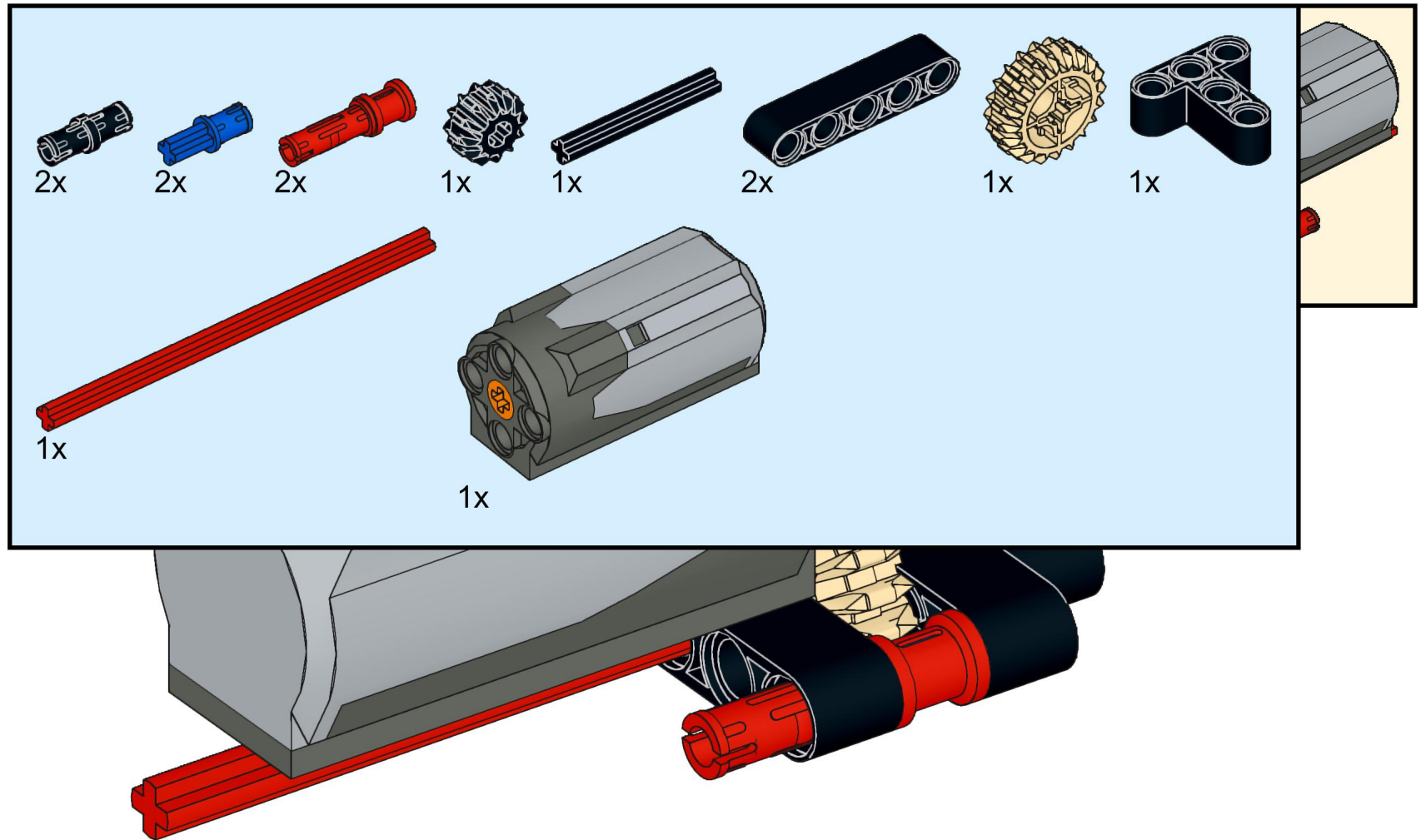
158



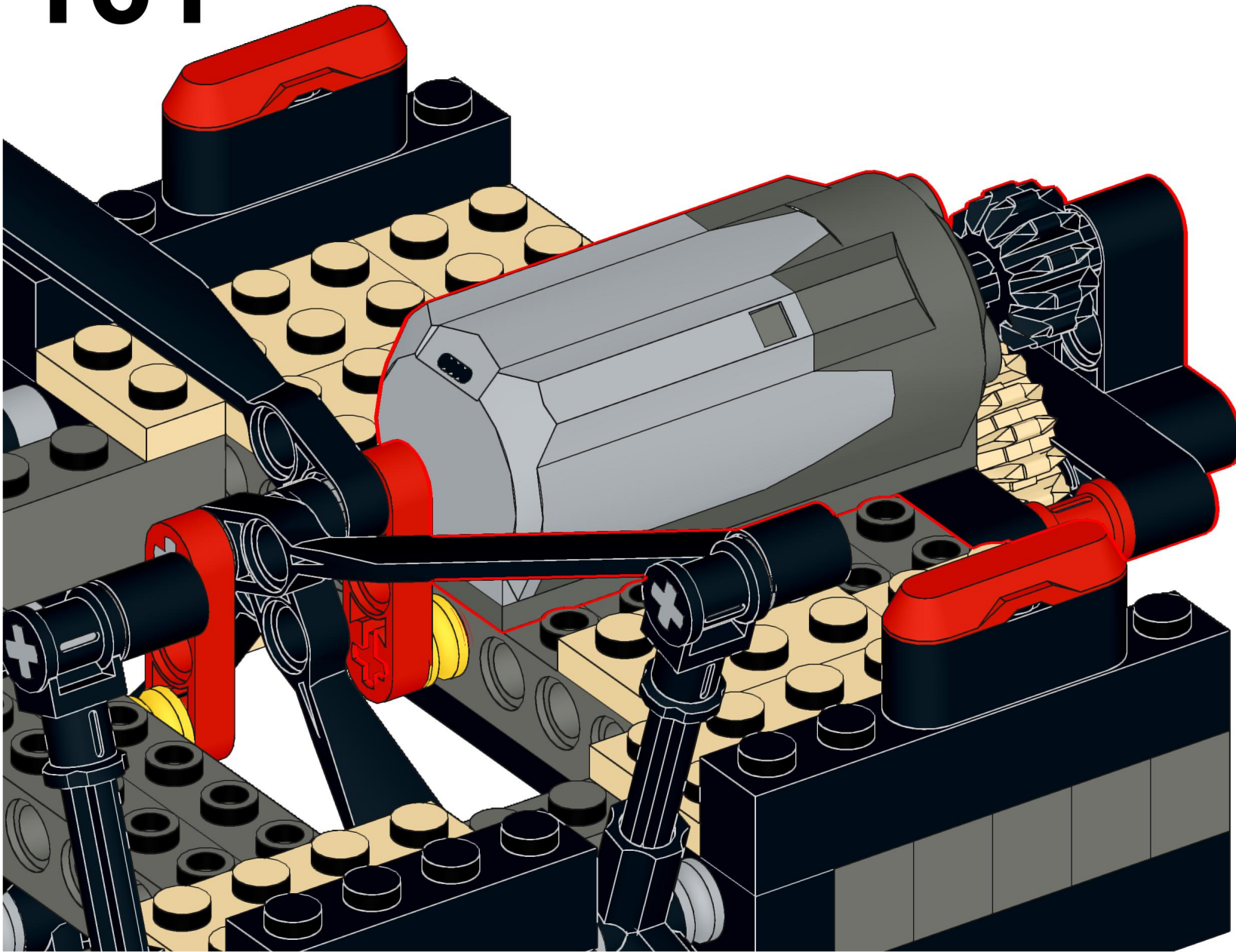
159



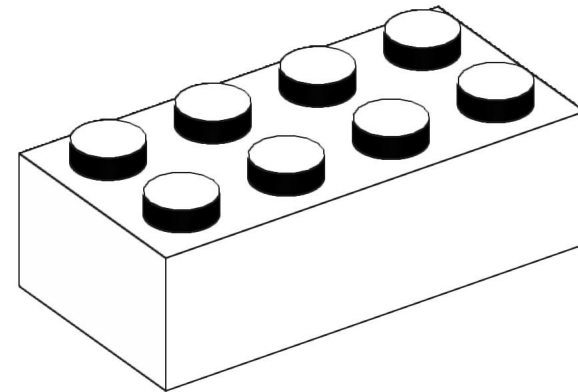
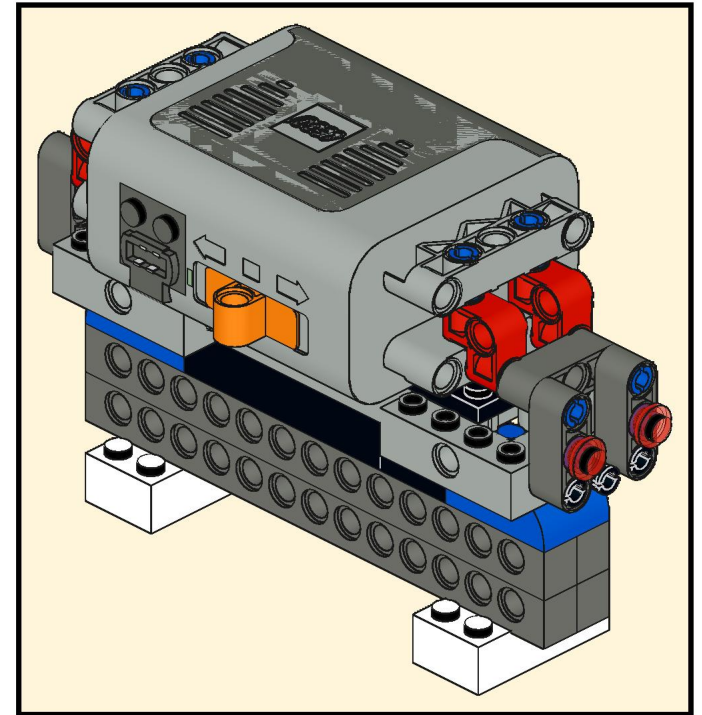
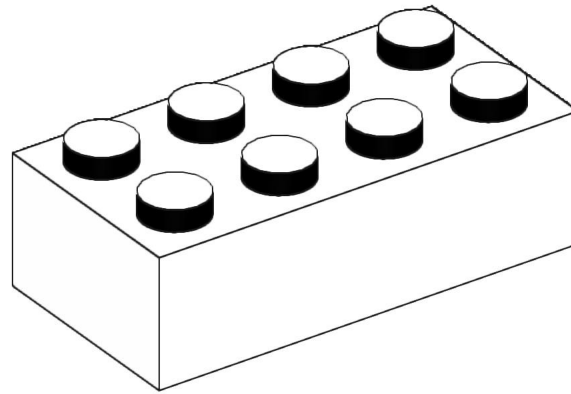
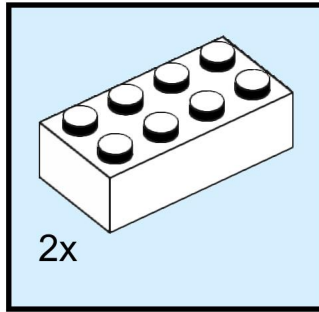
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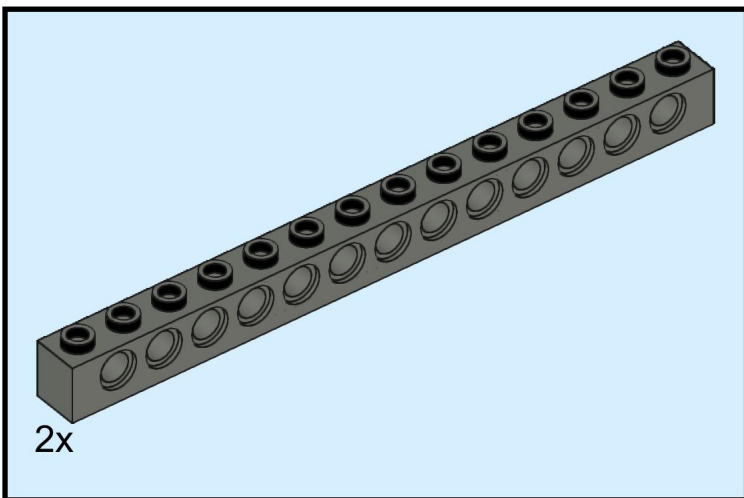
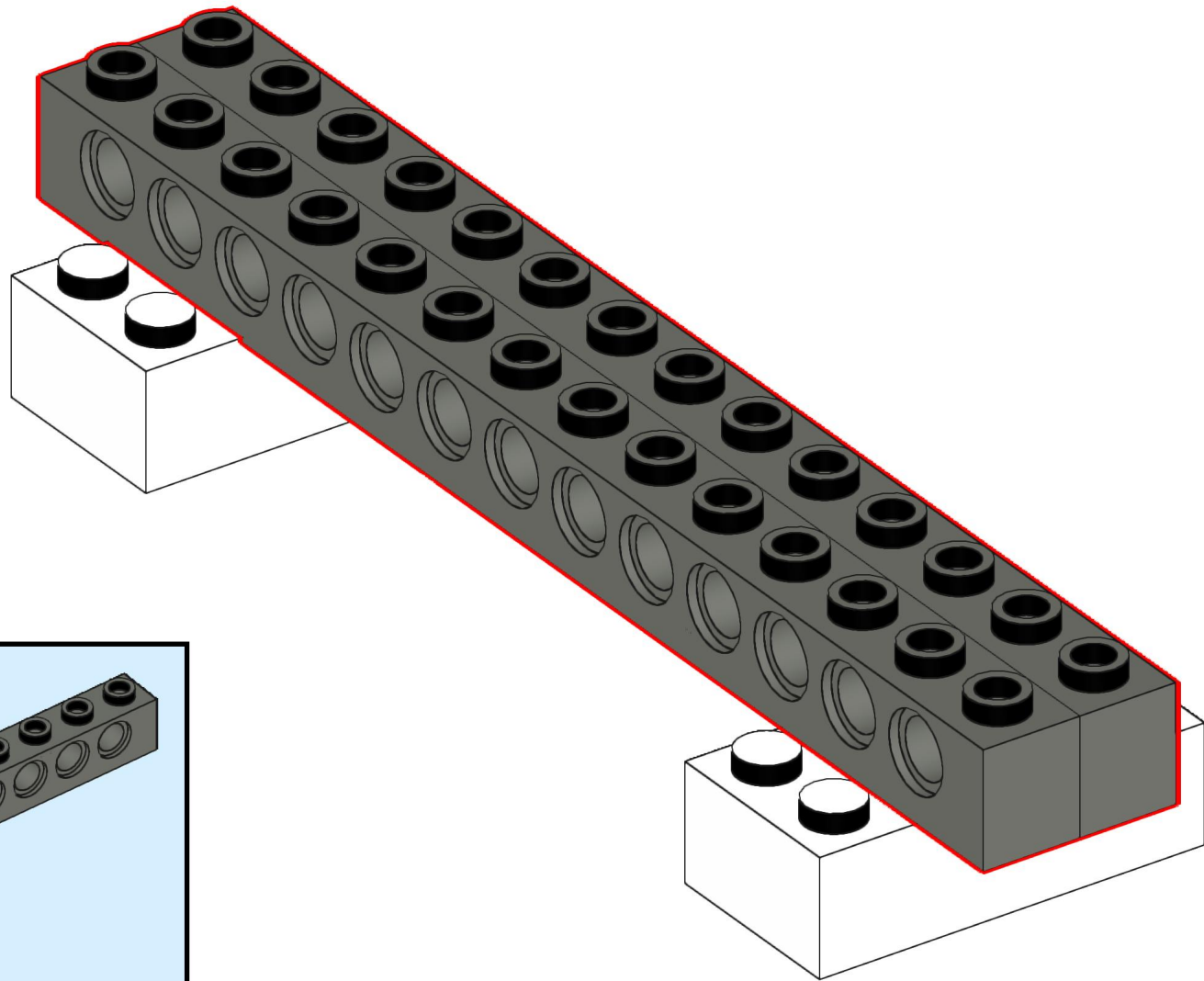
161



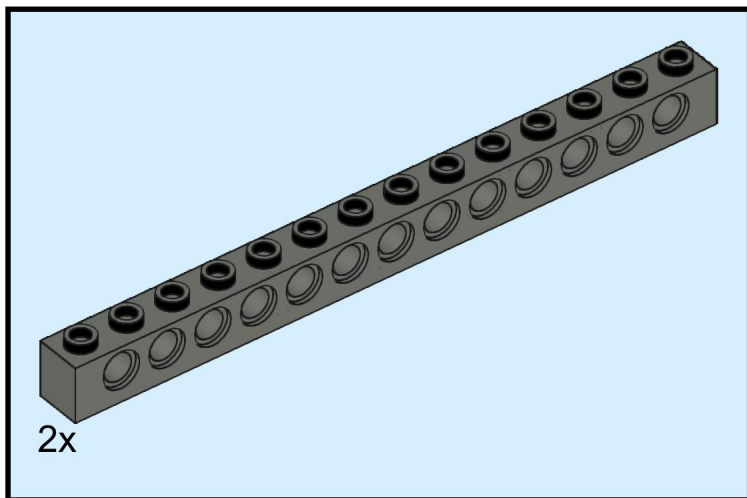
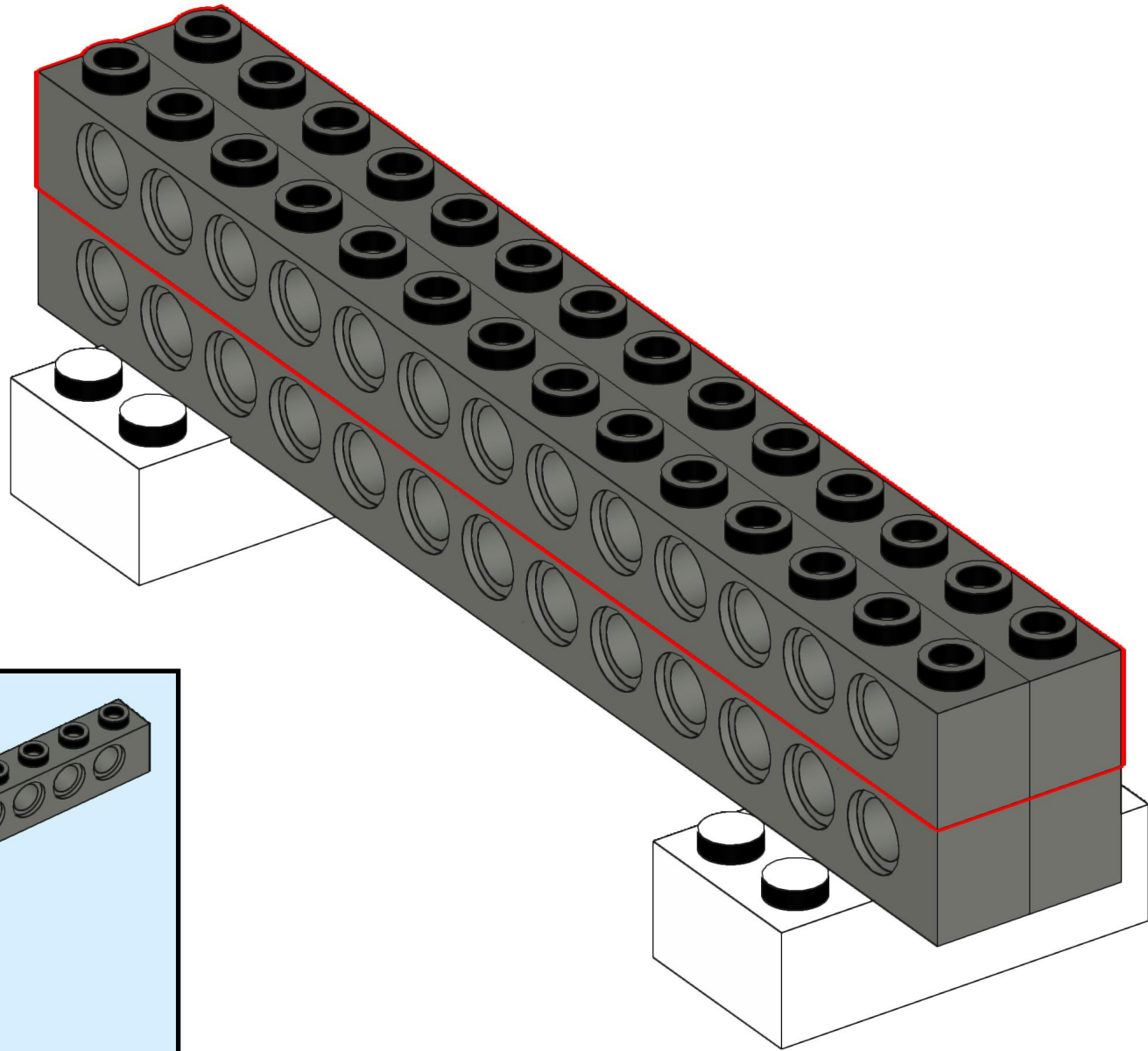
162



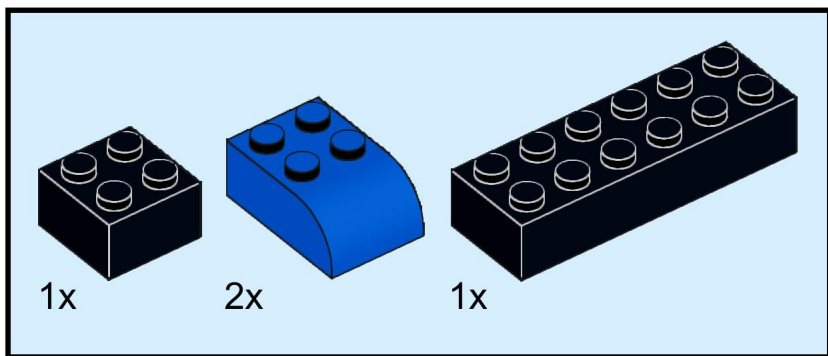
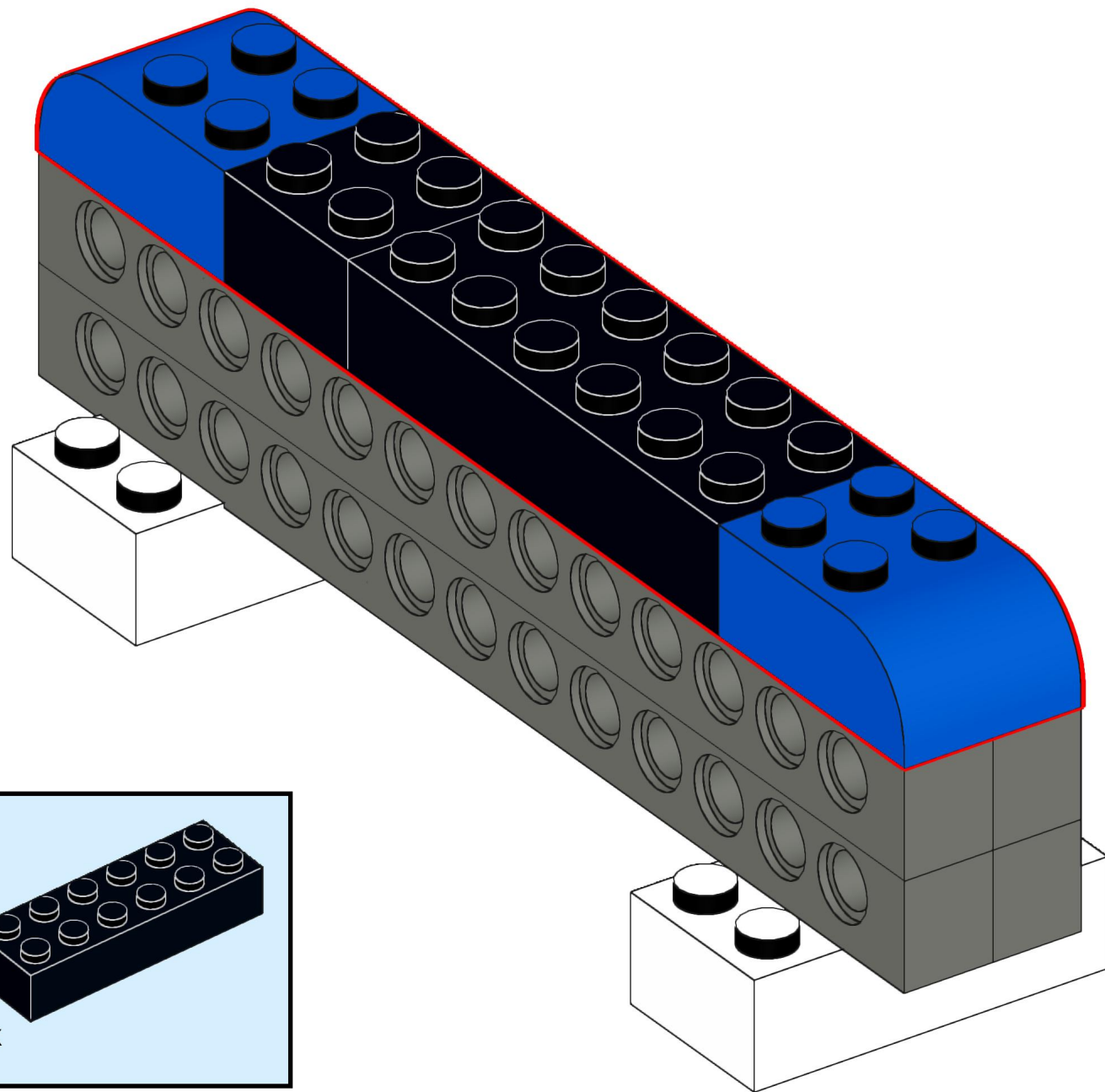
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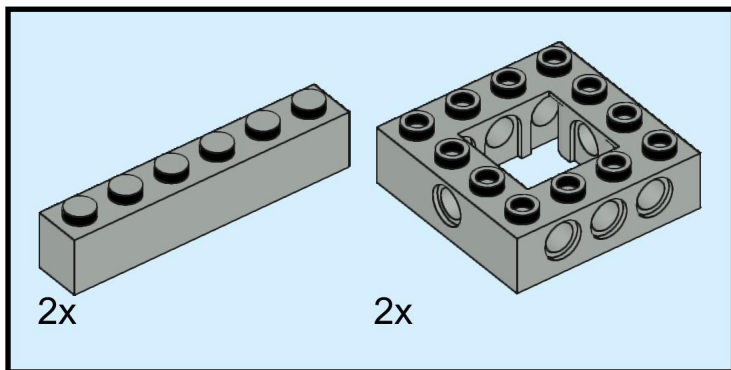
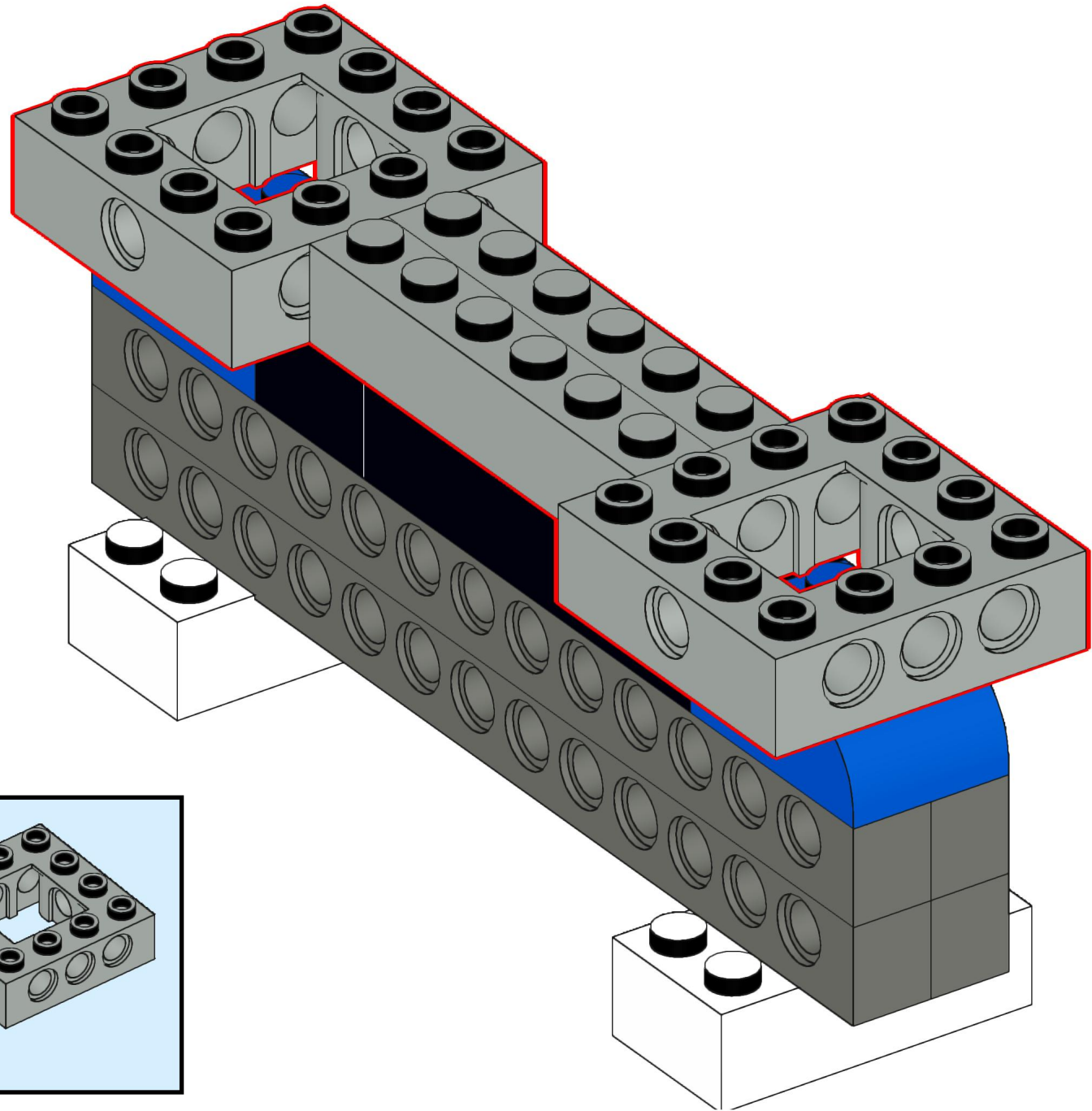
164



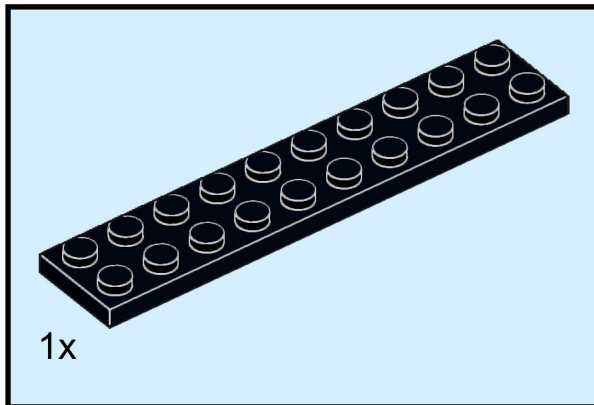
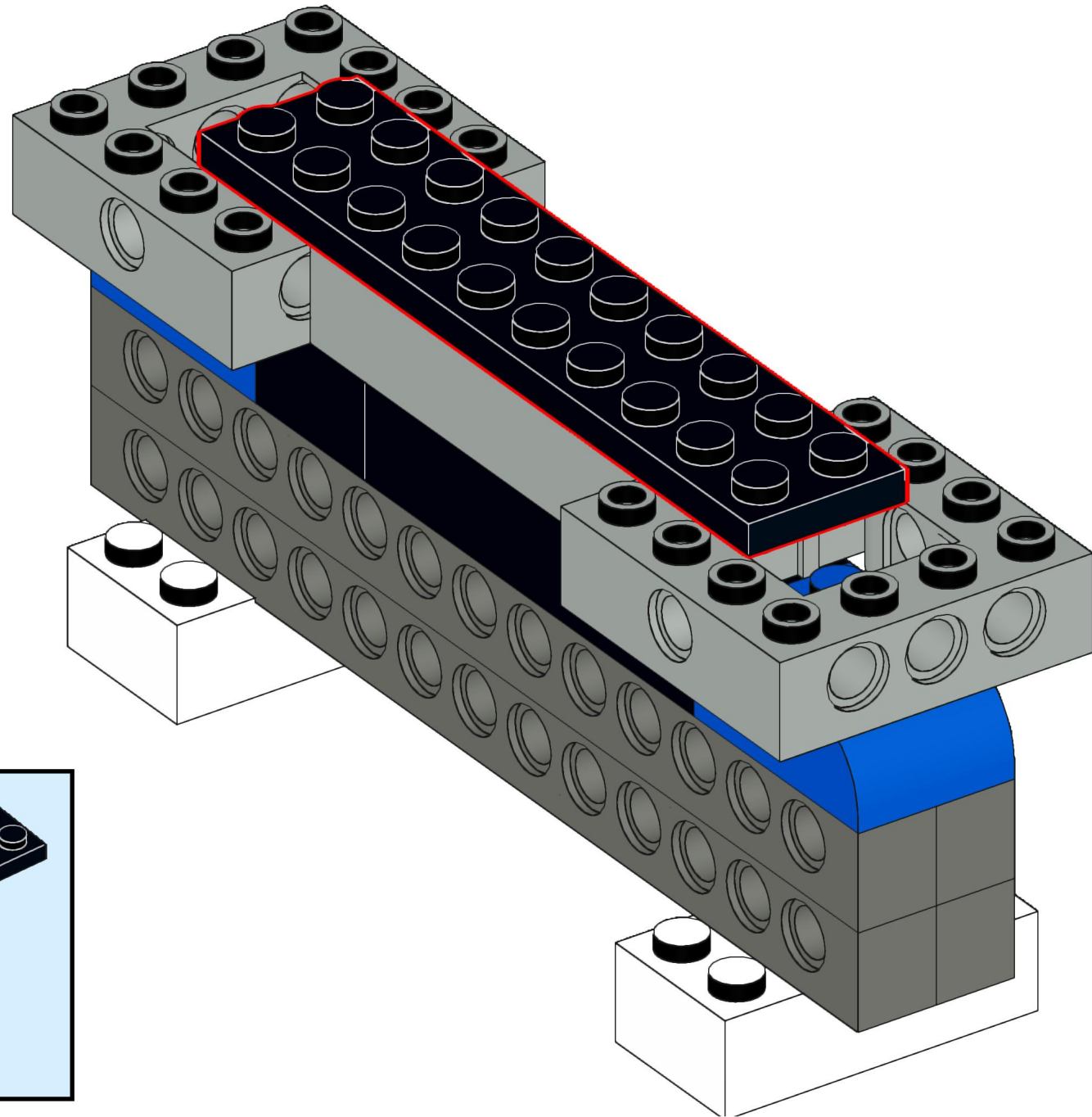
165



166

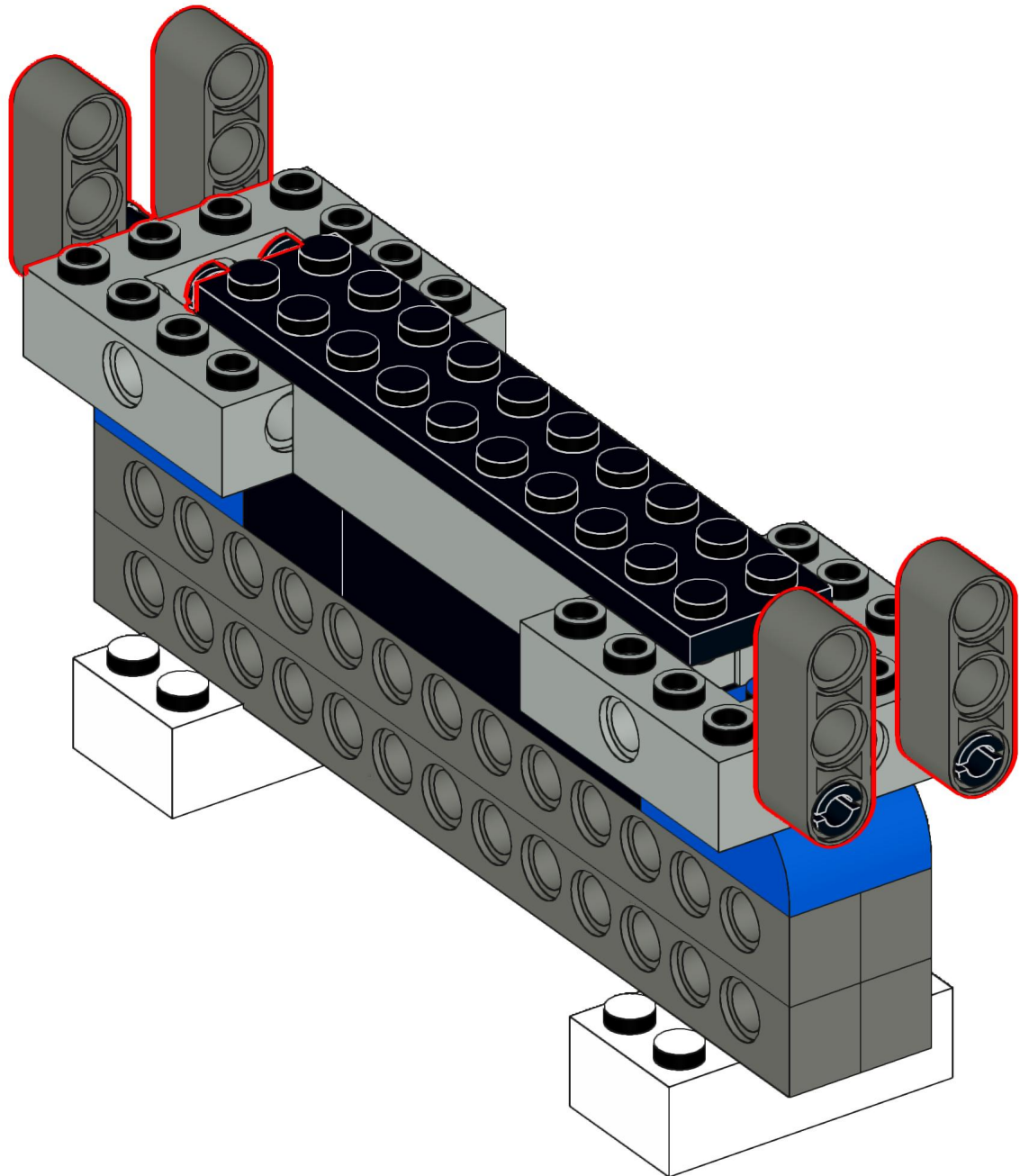
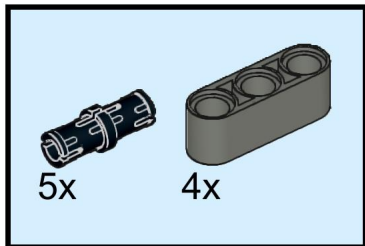


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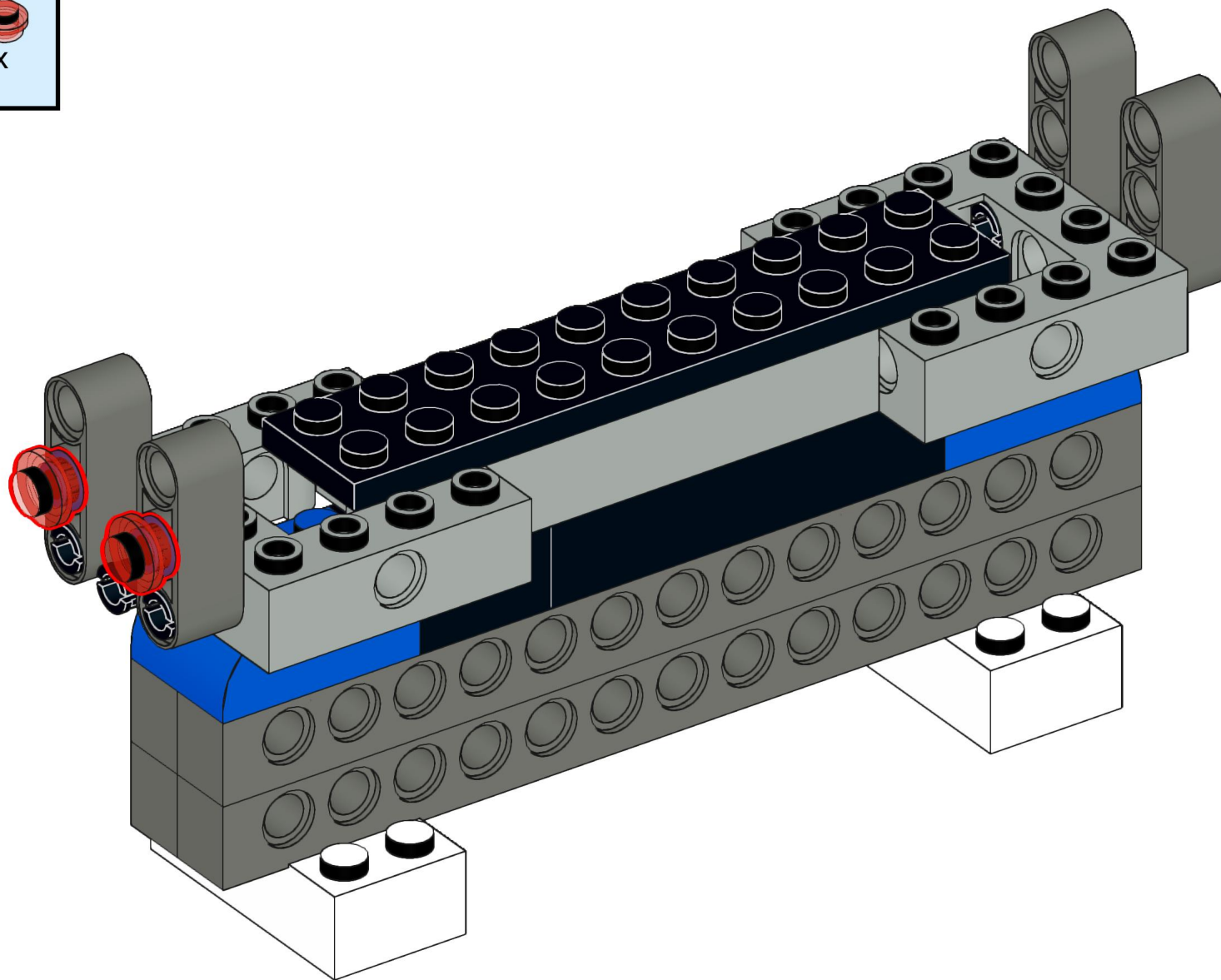
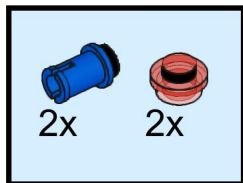


1x

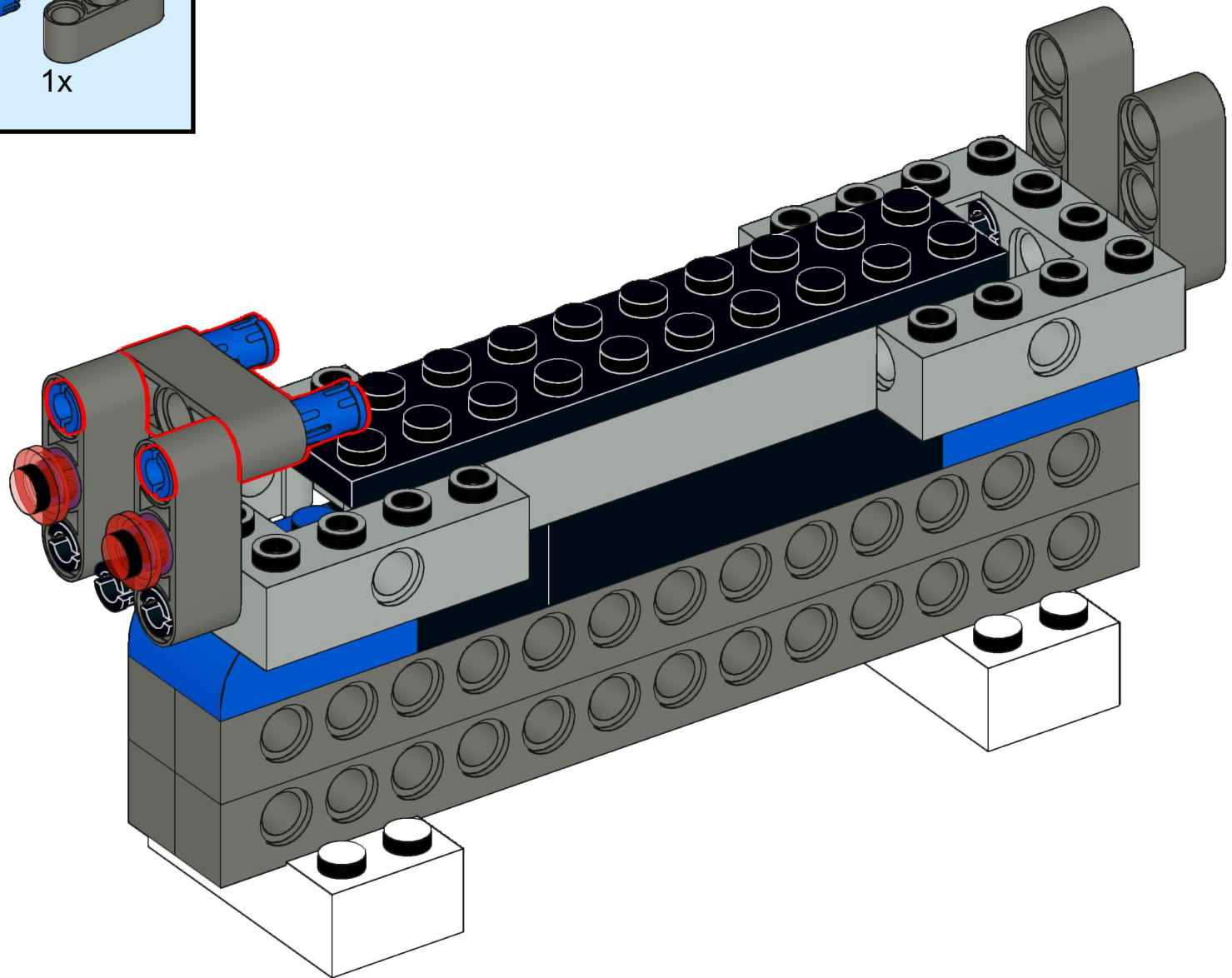
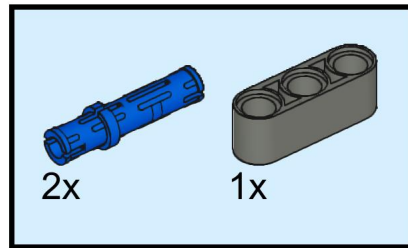
168



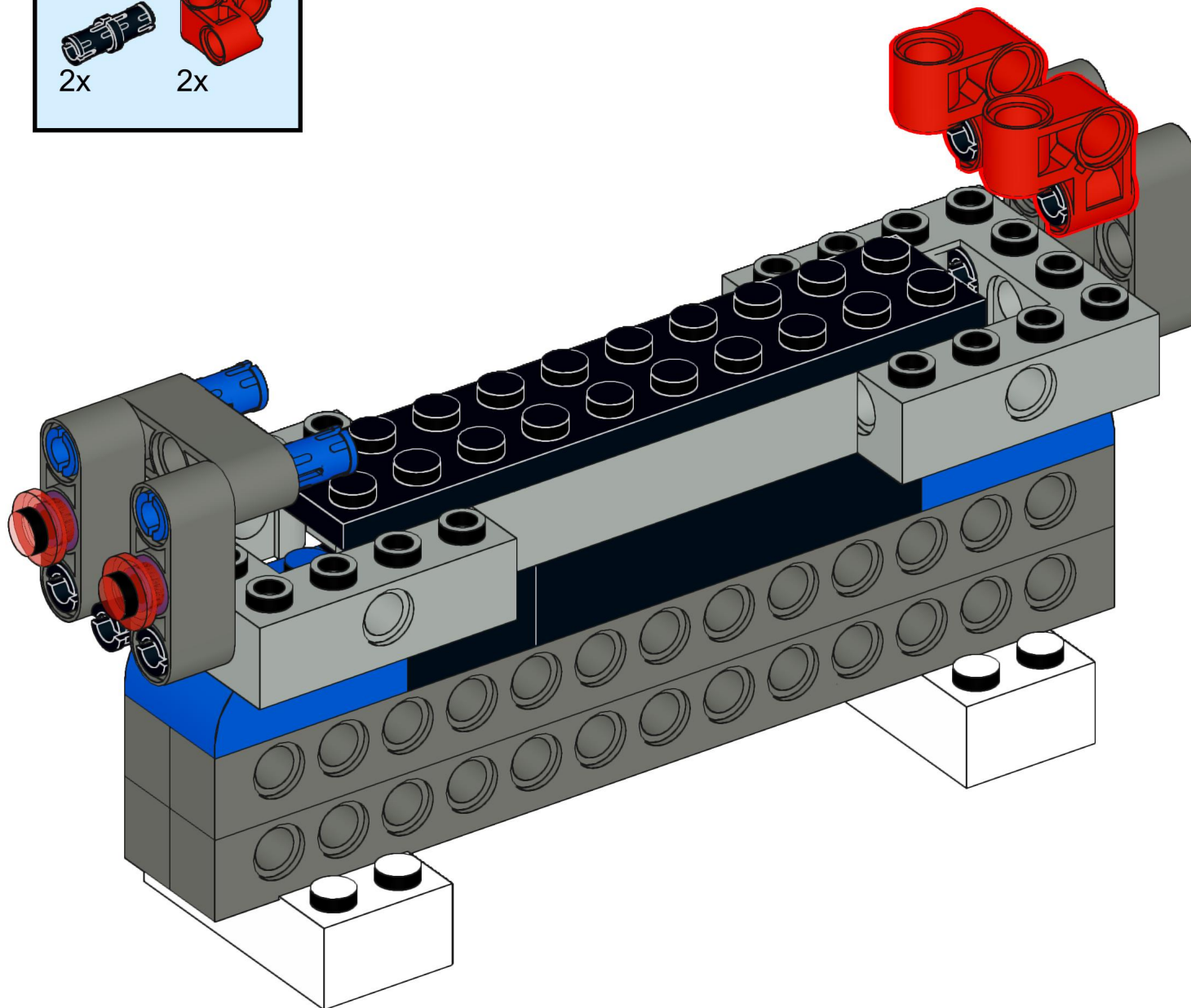
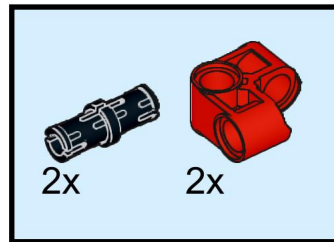
169



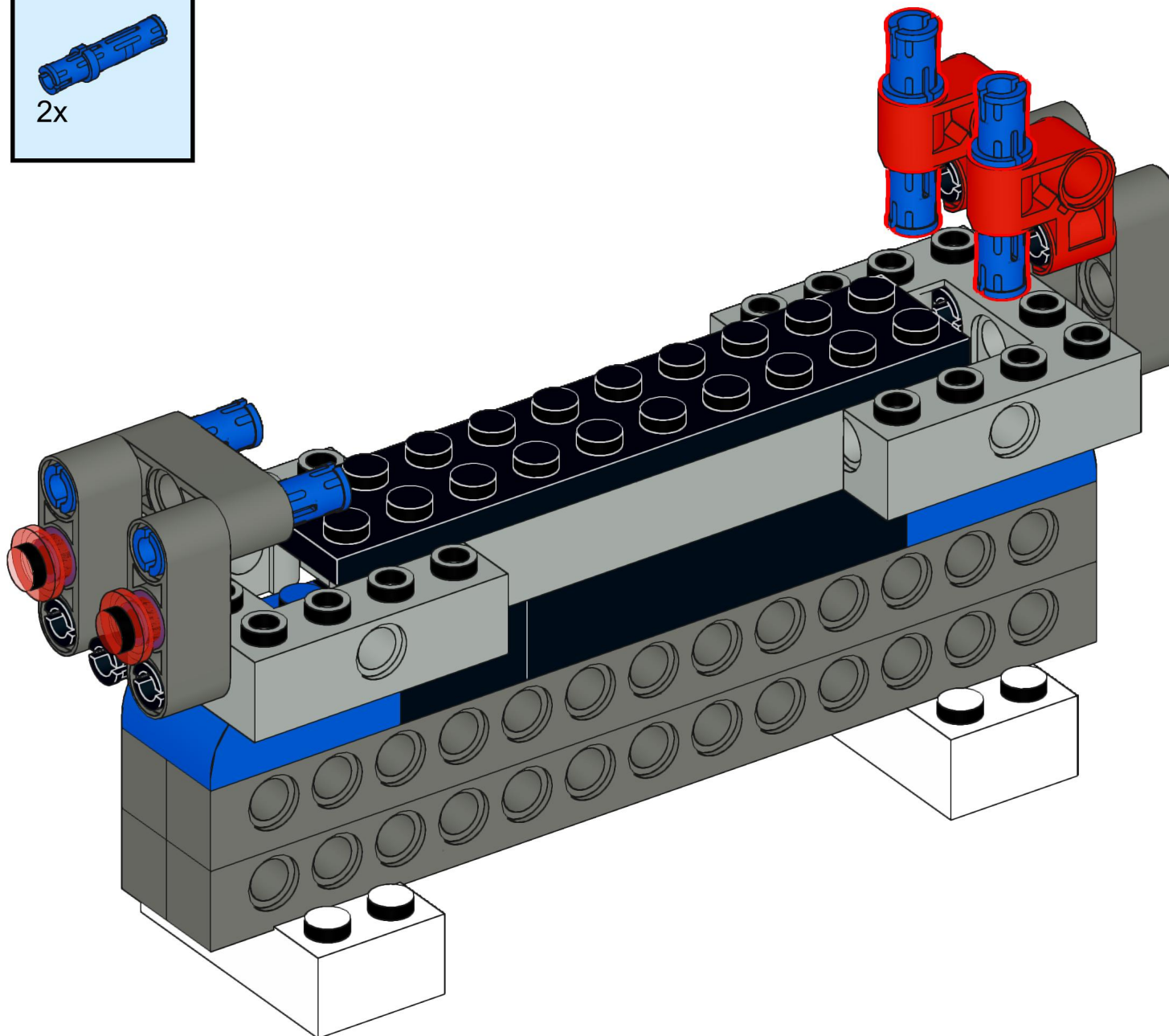
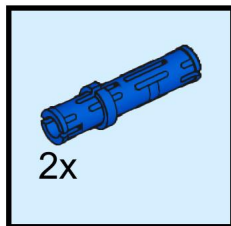
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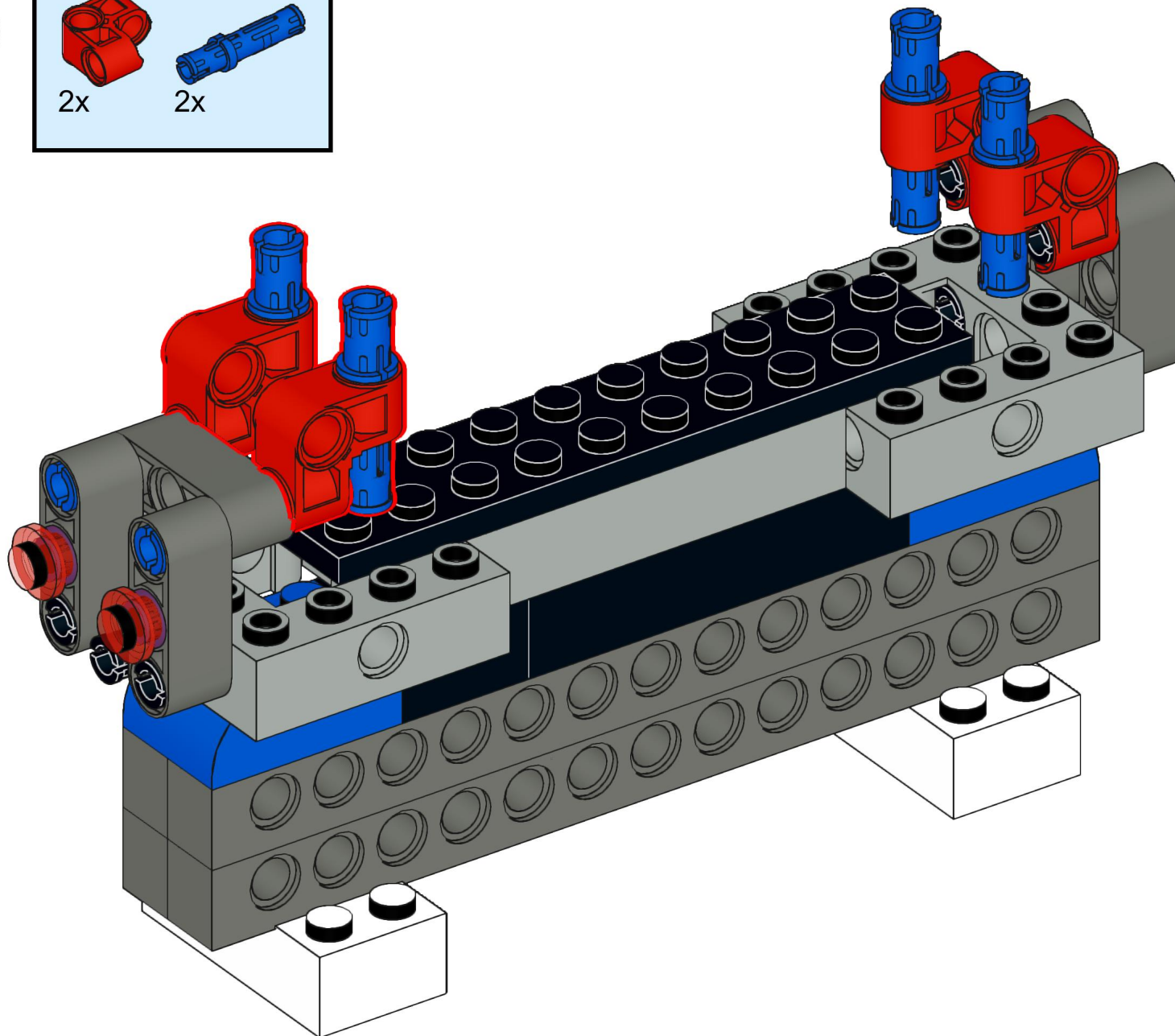
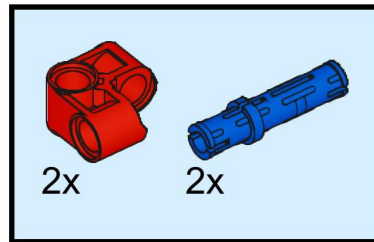
171



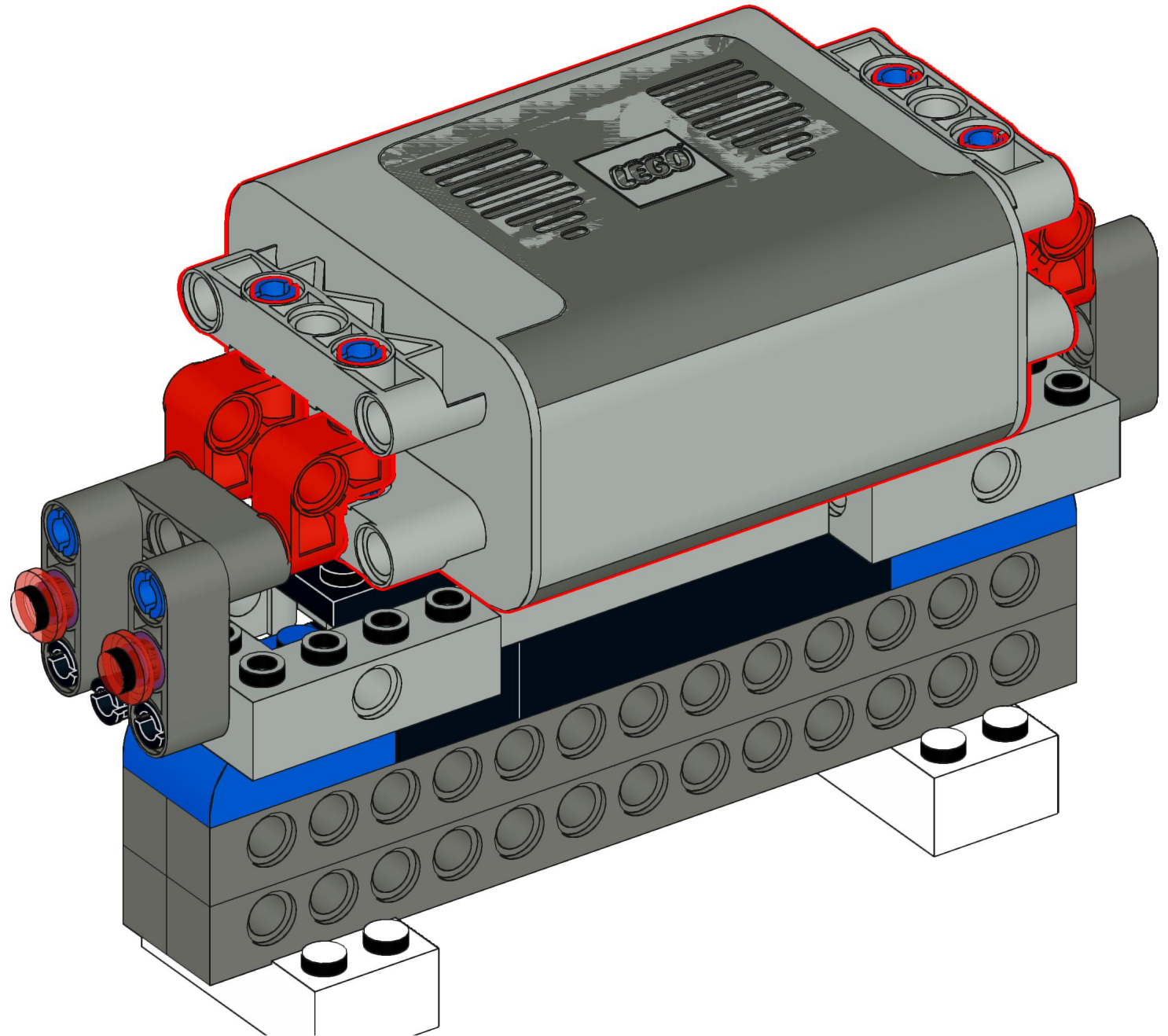
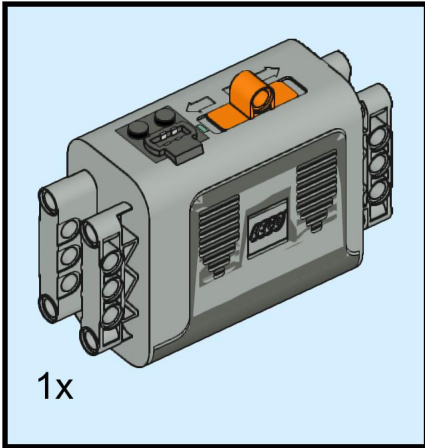
172



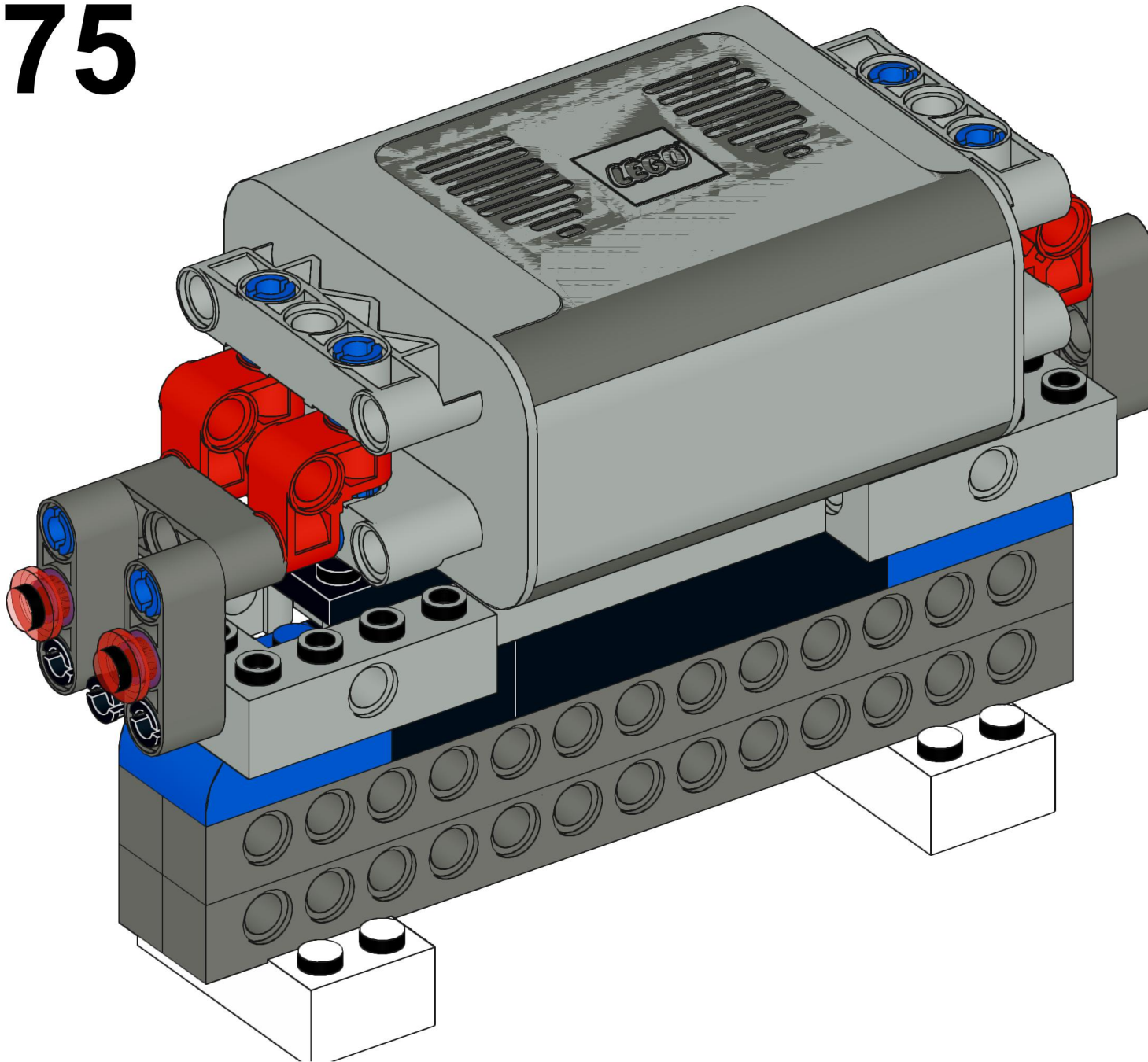
173



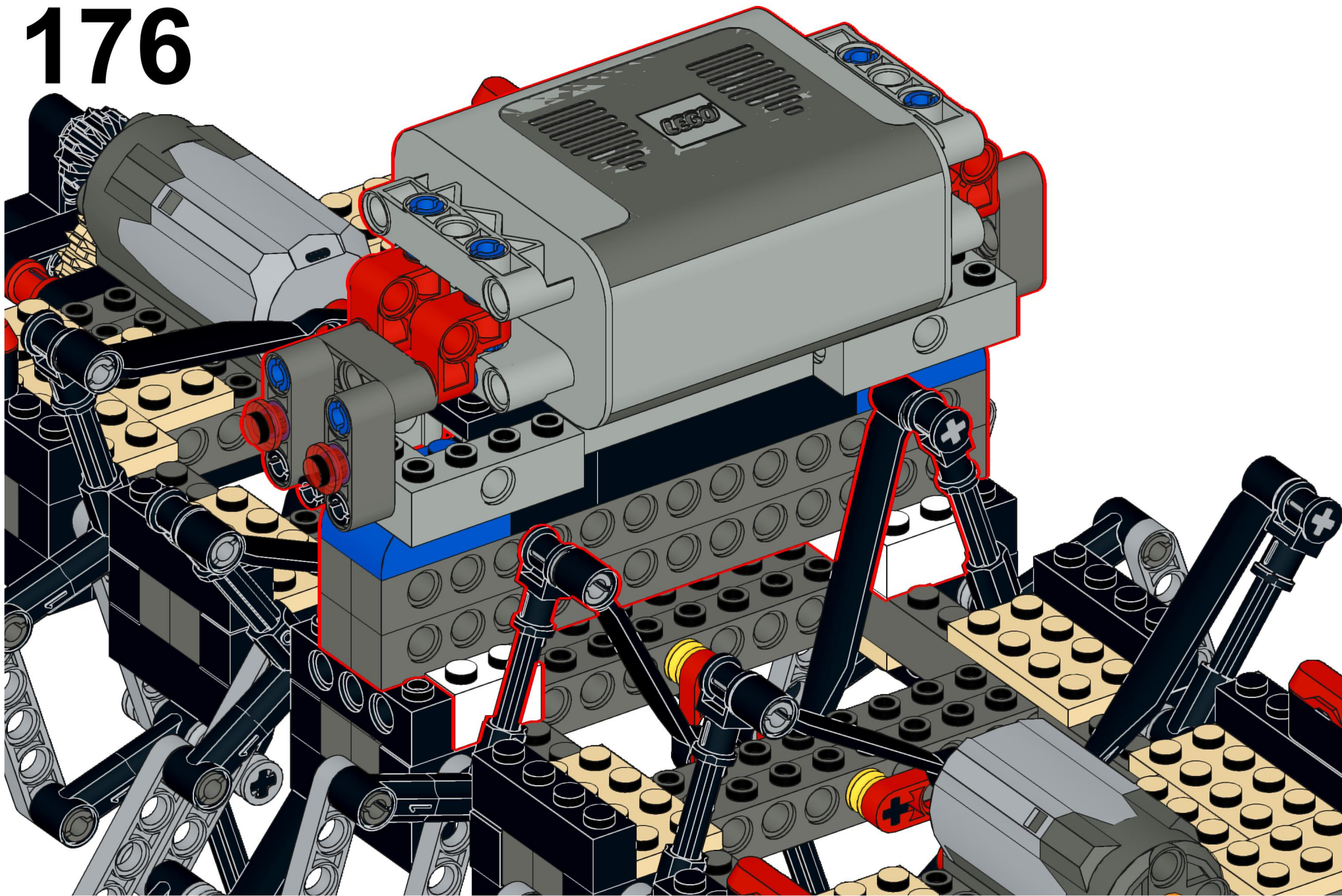
174



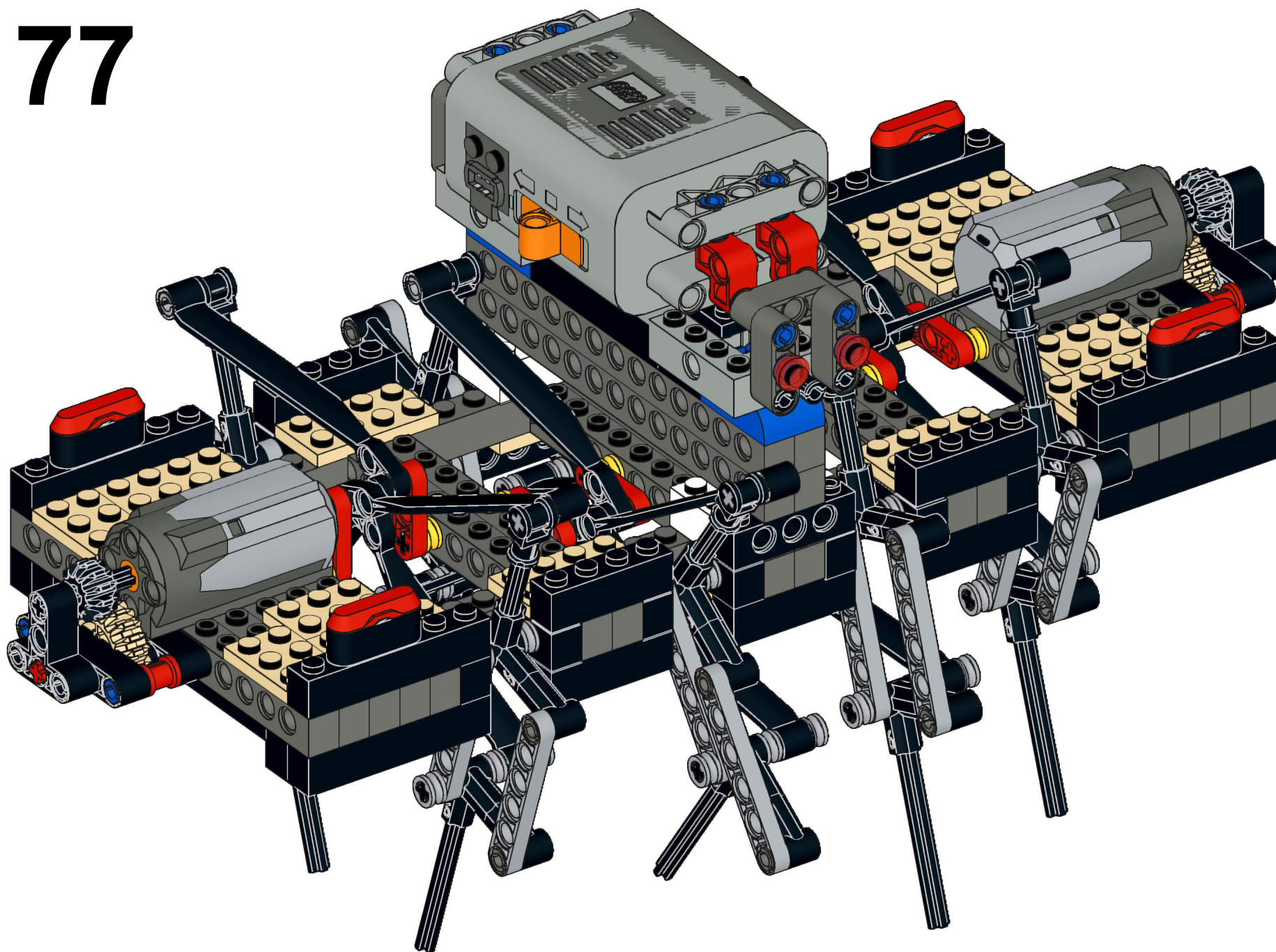
175



176



177





4x
3023
Black



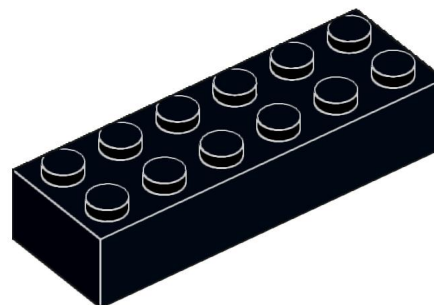
2x
32270
Black



29x
3705
Black



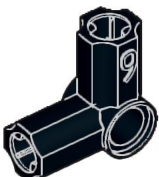
4x
32316
Black



1x
2456
Black



11x
2780
Black



16x
32014
Black



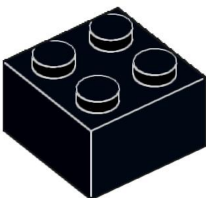
2x
60484
Black



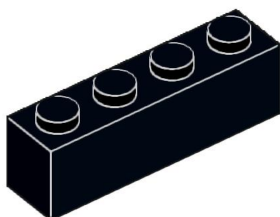
8x
3706
Black



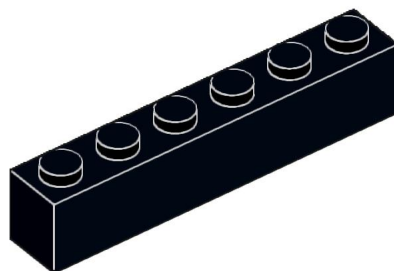
16x
32013
Black



1x
3003
Black



11x
3010
Black



12x
3009
Black



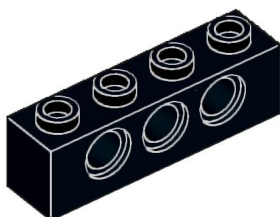
16x
32294
Black



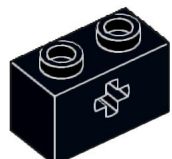
8x
32039
Black



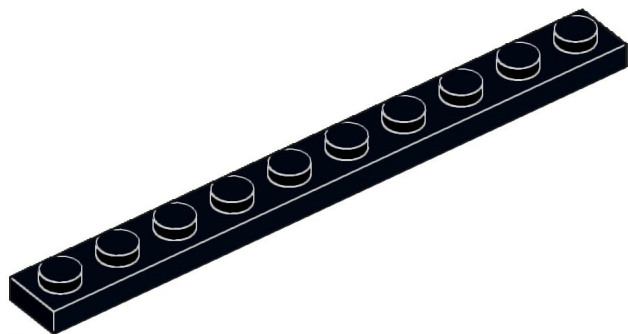
4x
32523
Black



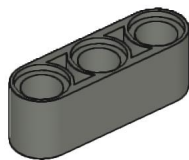
2x
3701
Black



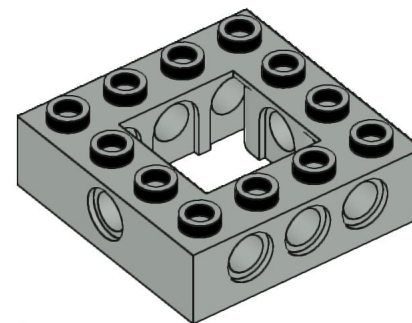
16x
32064
Black



2x
4477
Black



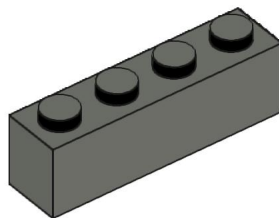
5x
32523
Dark Bluish Gray



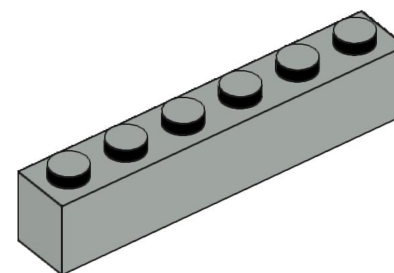
2x
32324
Light Gray



5x
3832
Black



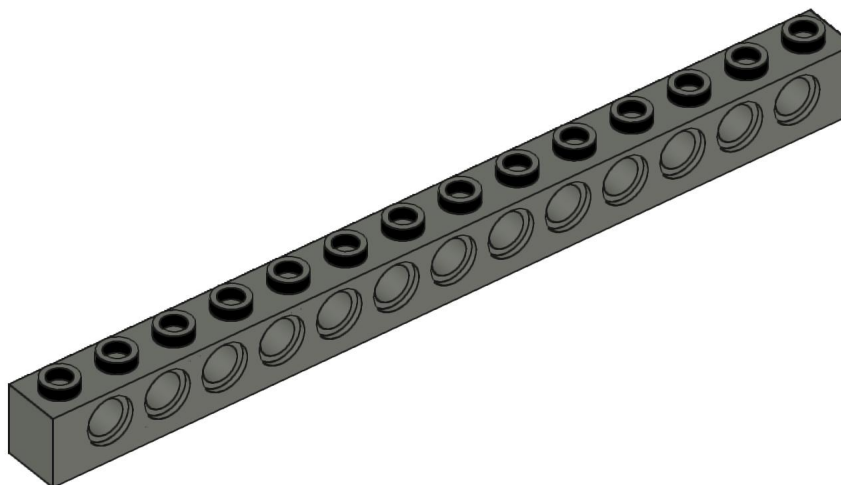
8x
3010
Dark Bluish Gray



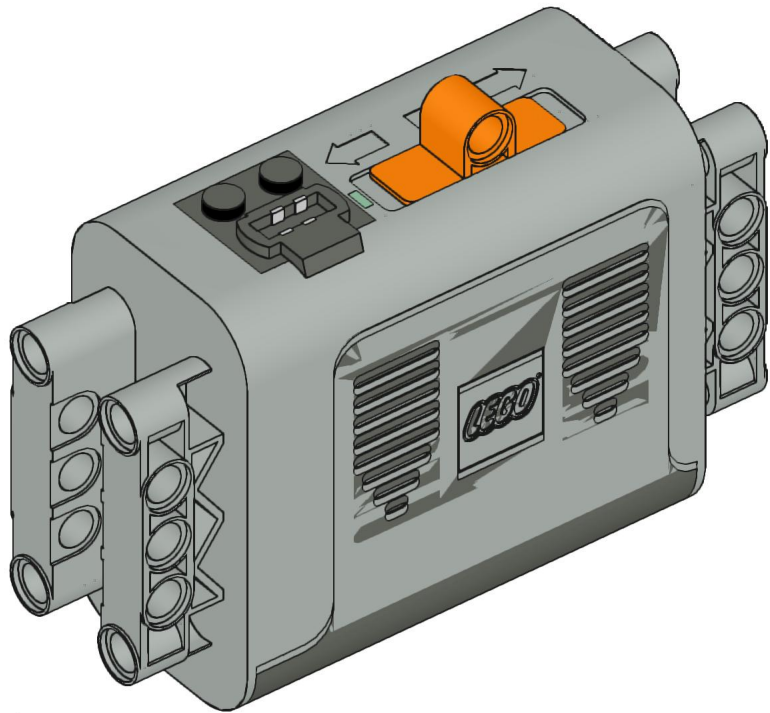
2x
3009
Light Gray



16x
32002
Dark Bluish Gray



20x
32018
Dark Bluish Gray



1x

32x
4265c
Light Bluish Gray

8x
3749
Light Bluish Gray

4x
4519
Light Bluish Gray

16x
32063
Light Bluish Gray

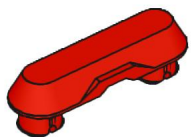
2x
58120c01
Light Bluish Gray

2x
3001
White

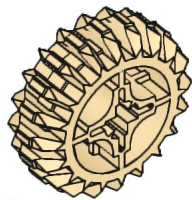
16x
32062
Red

4x
44809
Red

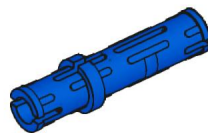
8x
6632
Red



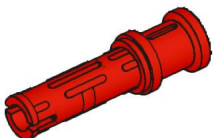
4x
14149
Red



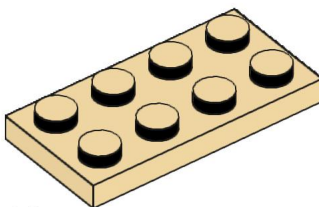
2x
32269
Tan



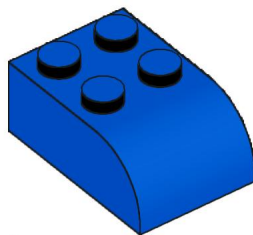
6x
6558
Blue



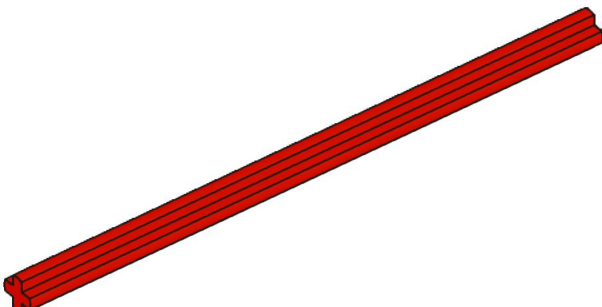
4x
32054
Red



14x
3020
Tan



2x
6215
Blue



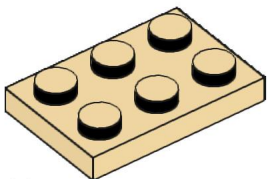
2x
3737
Red



8x
4265c
Yellow



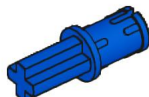
2x
4073
Trans-Red



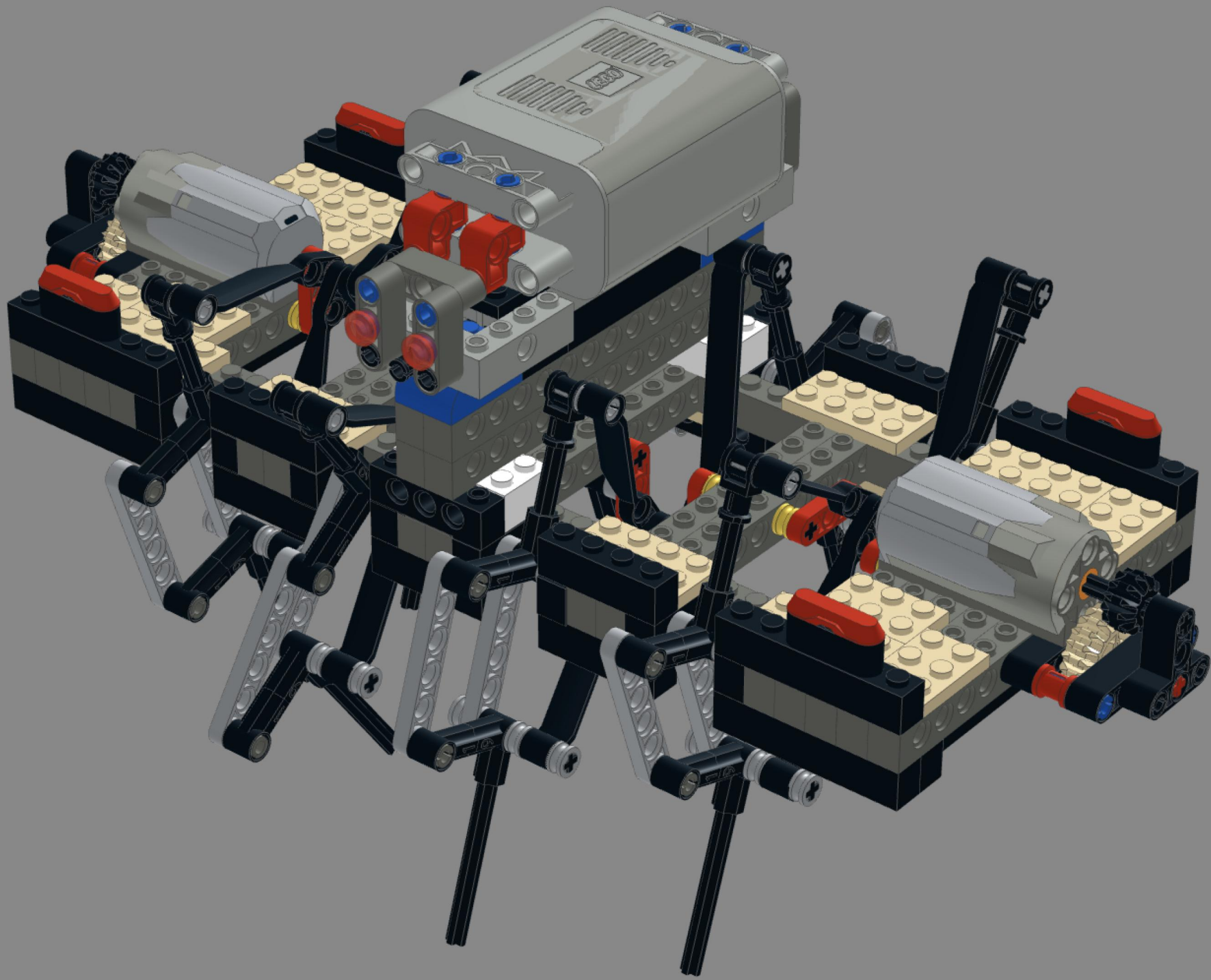
12x
3021
Tan



2x
4274
Blue



4x
43093
Blue





**Santa
Ana
Bricks**

**MOCs
by PedroJ**

