

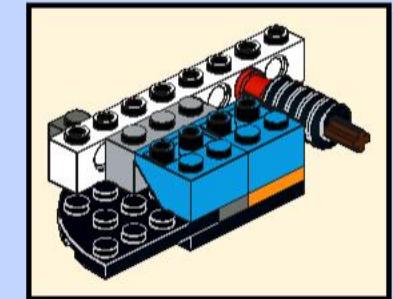
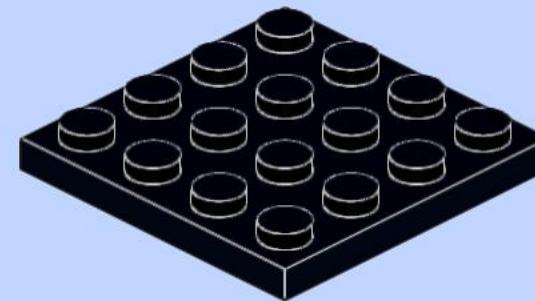
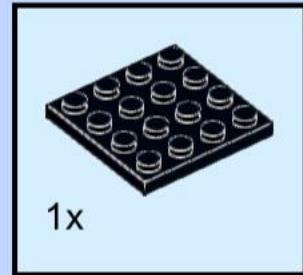
Spiderpen

A custom model design
by Burillier Valentin

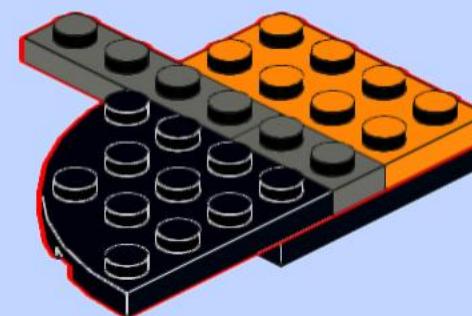
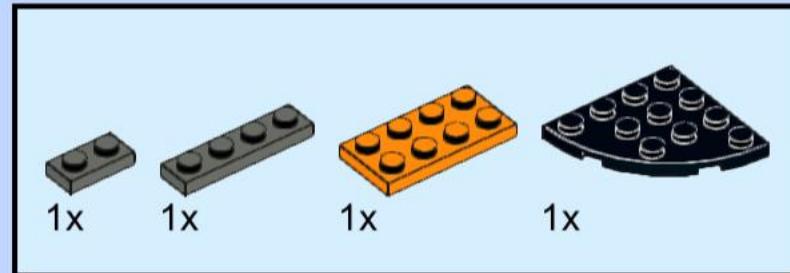
A plotter machine made from
set 17101. It is controllable
thanks to the spiderpen
package.



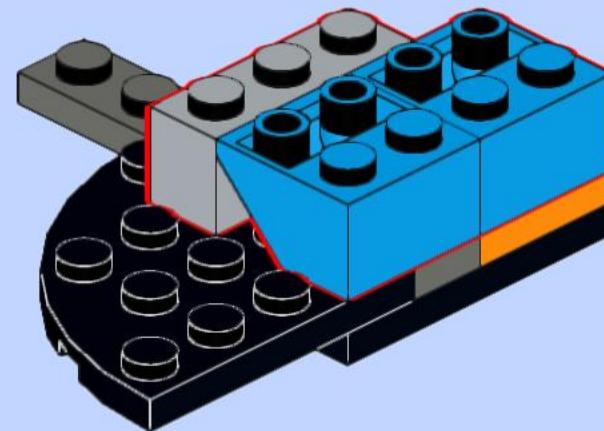
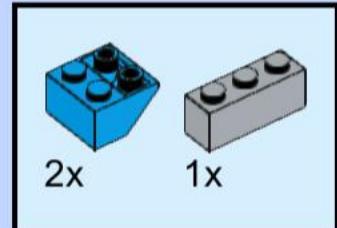
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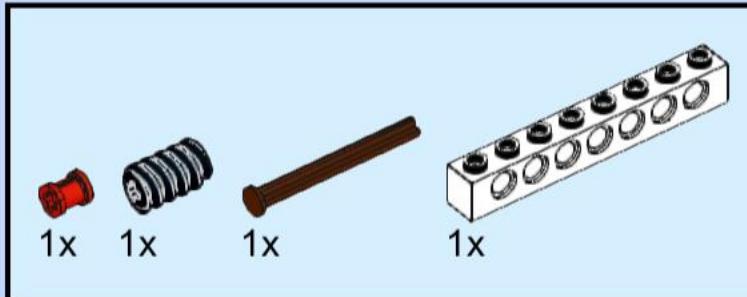
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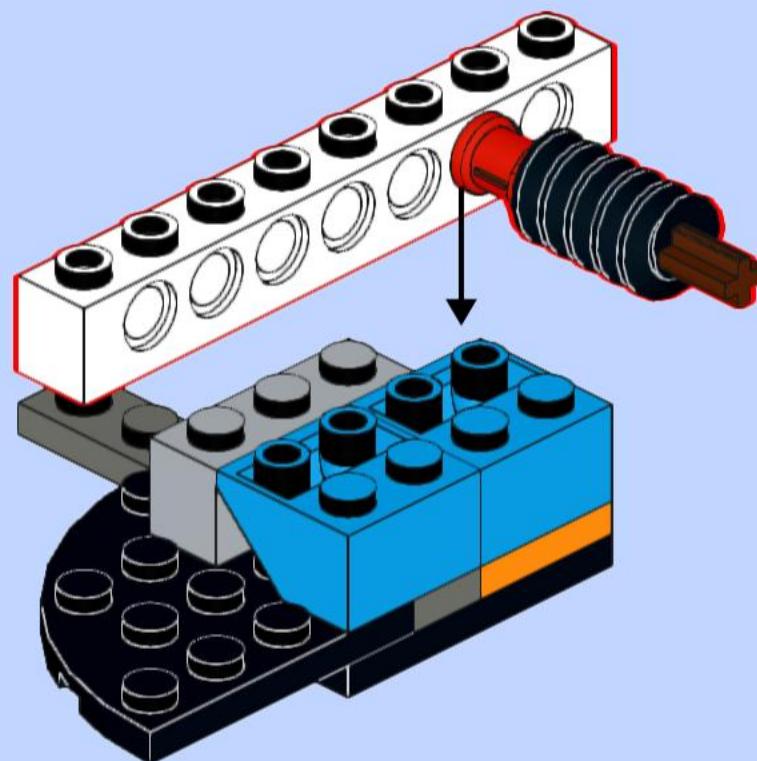
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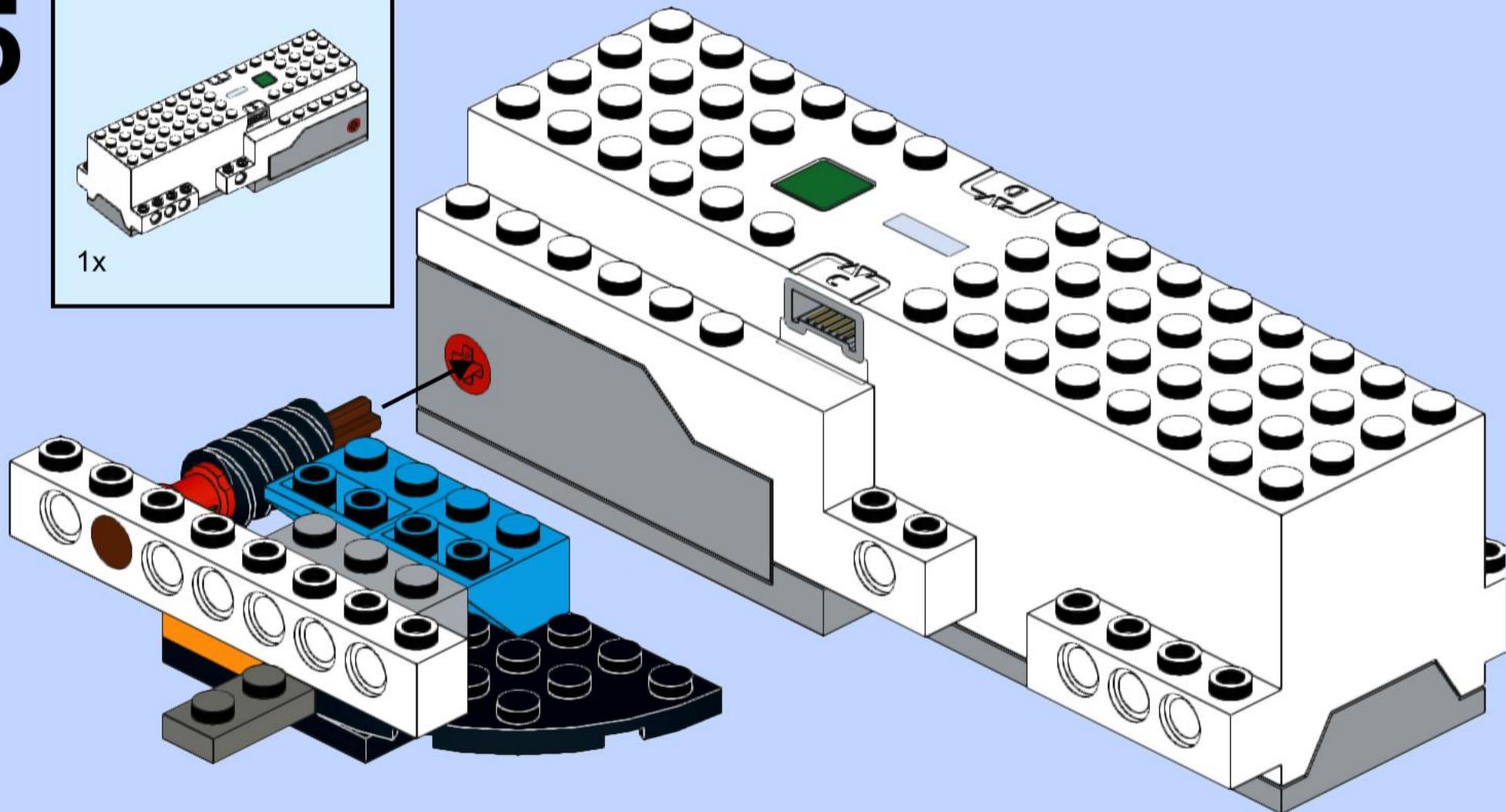
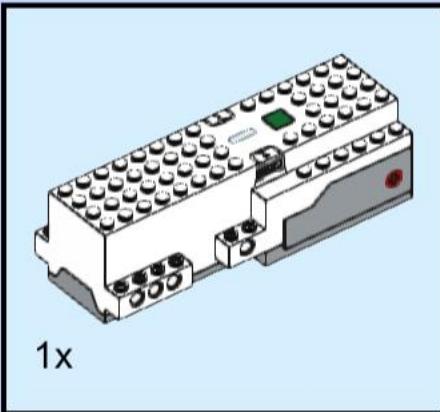
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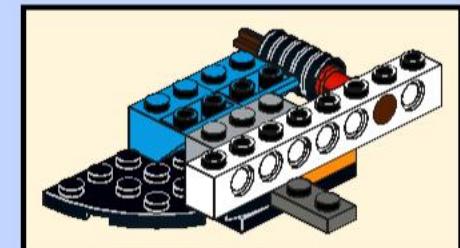
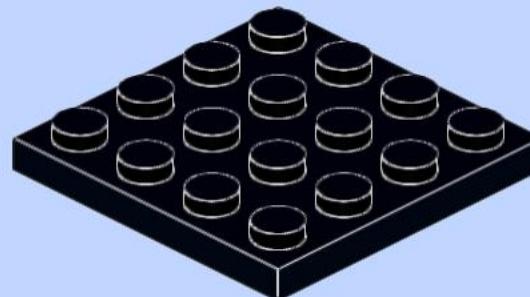
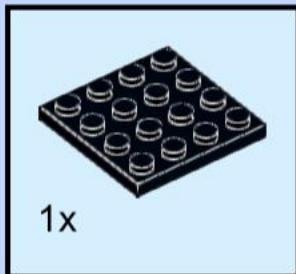
The screw is an additional part, it is not part of the set 17101.



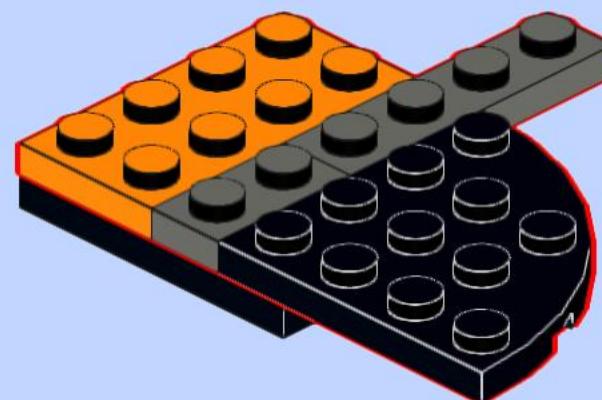
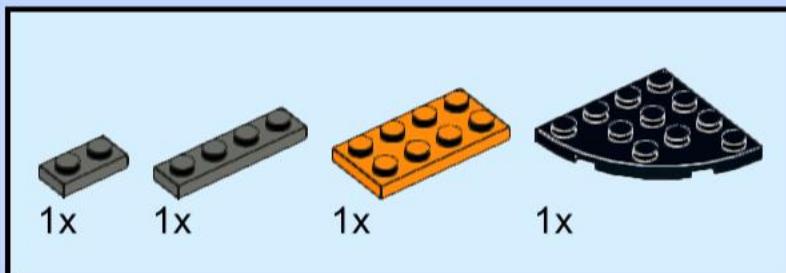
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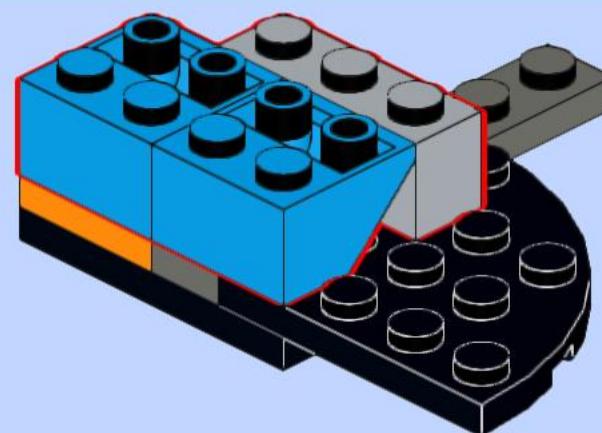
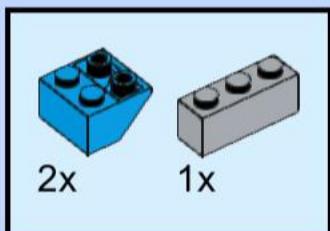
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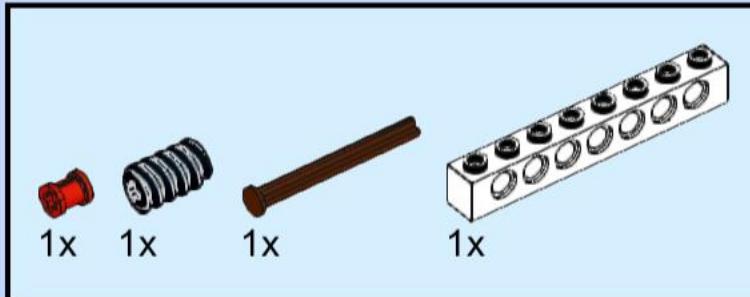
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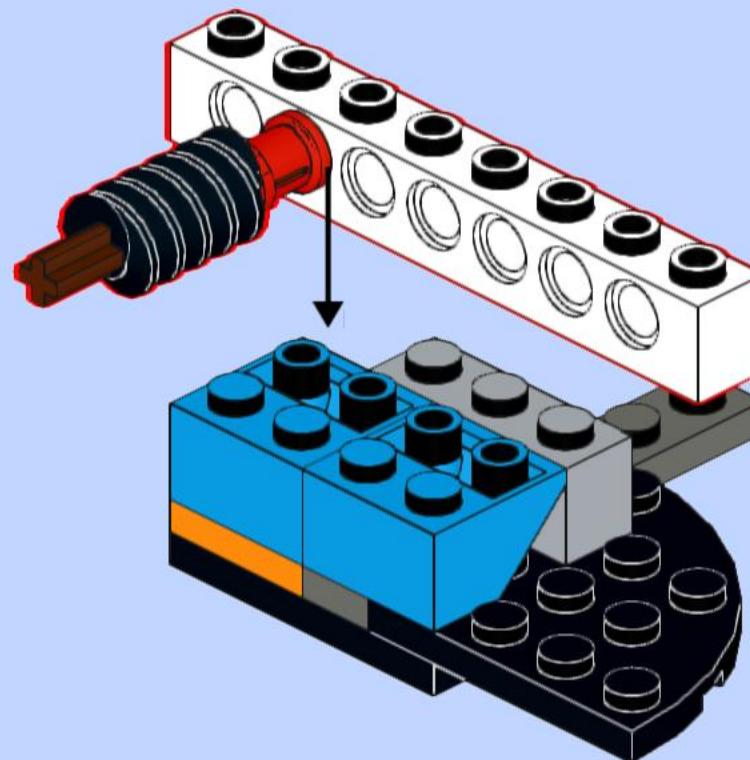
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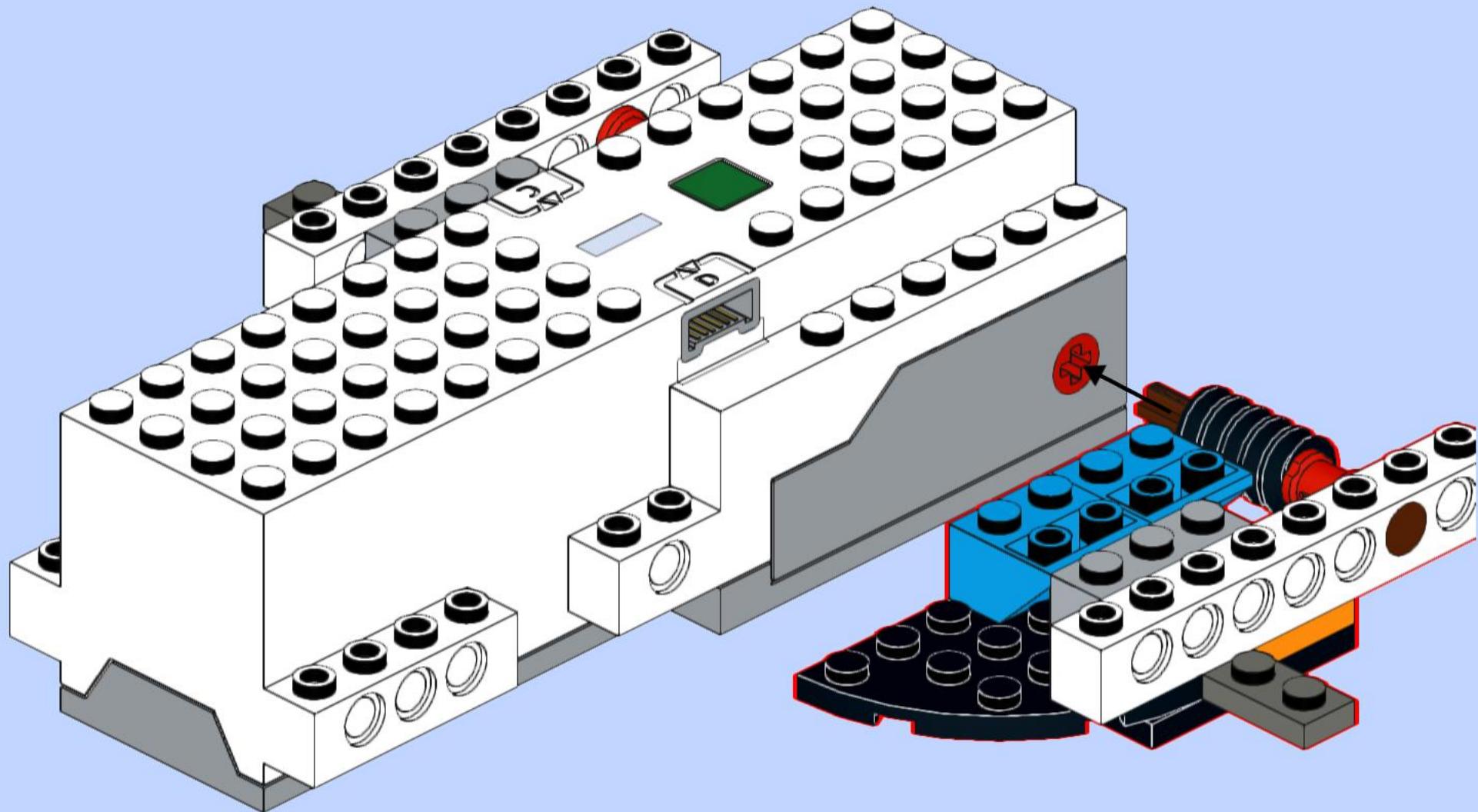
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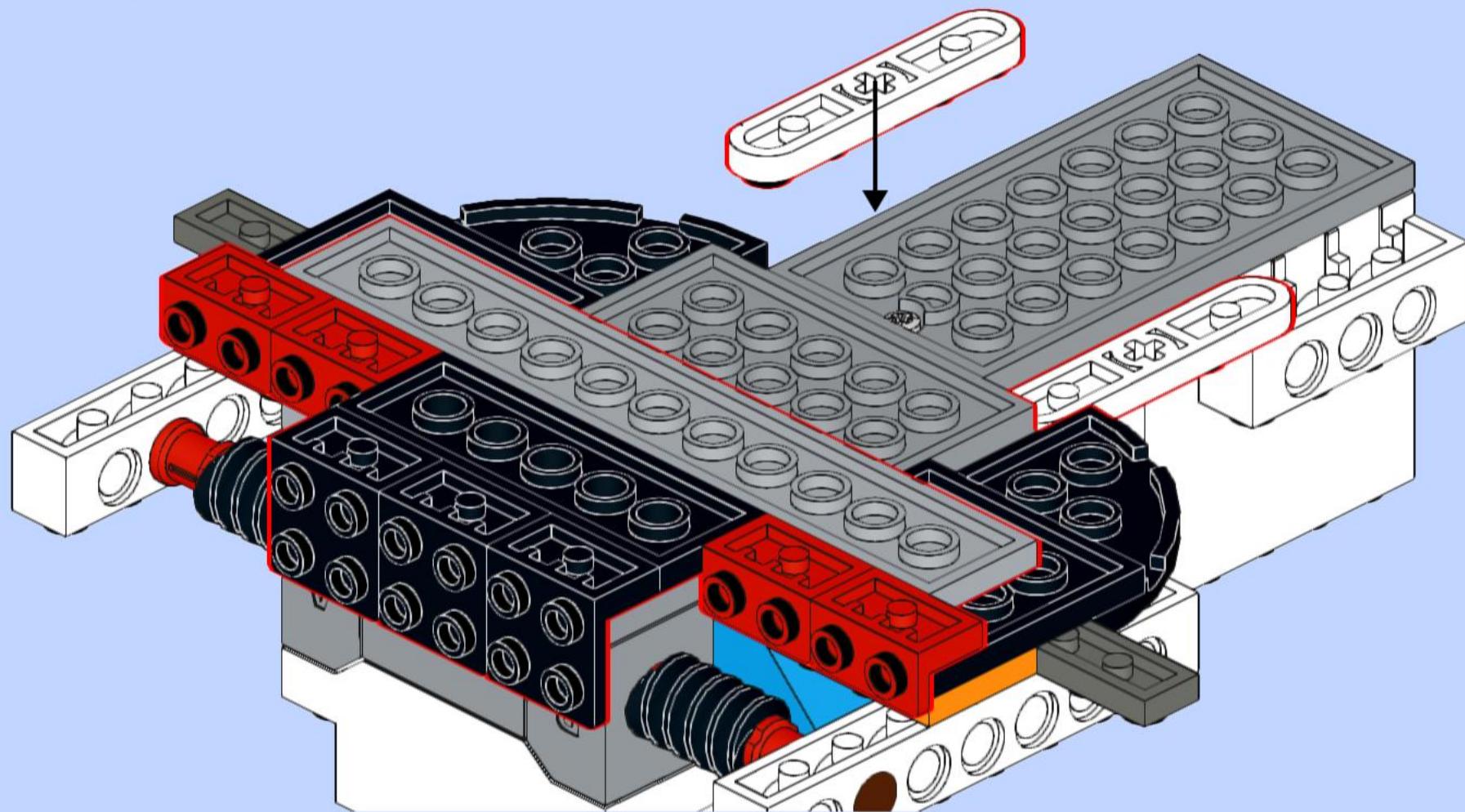
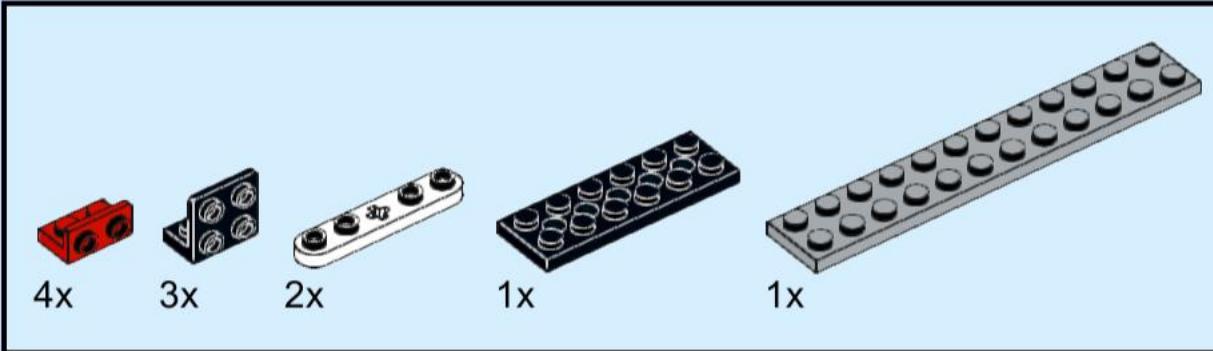
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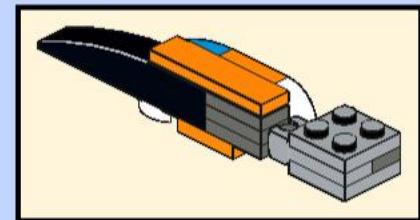
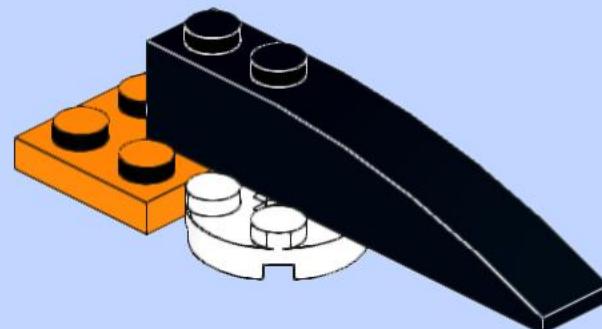
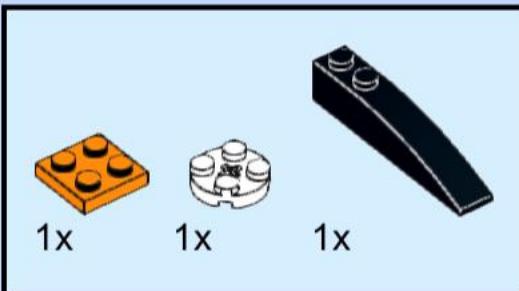
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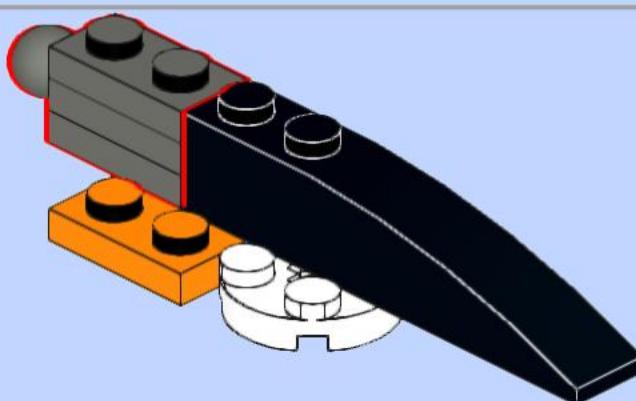
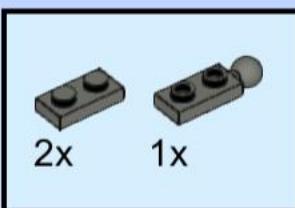
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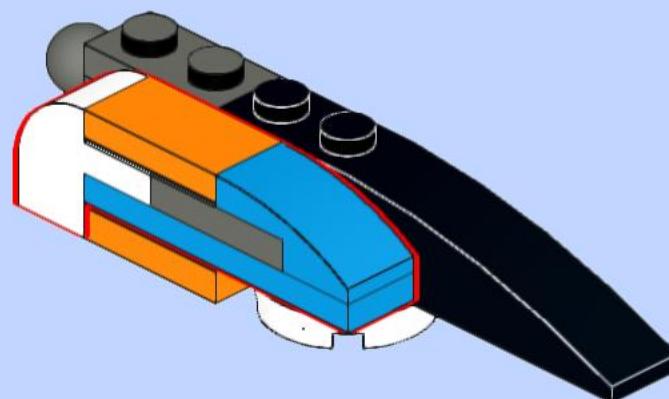
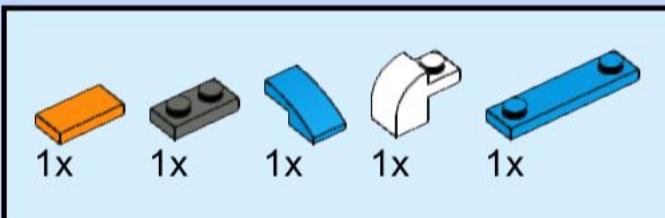
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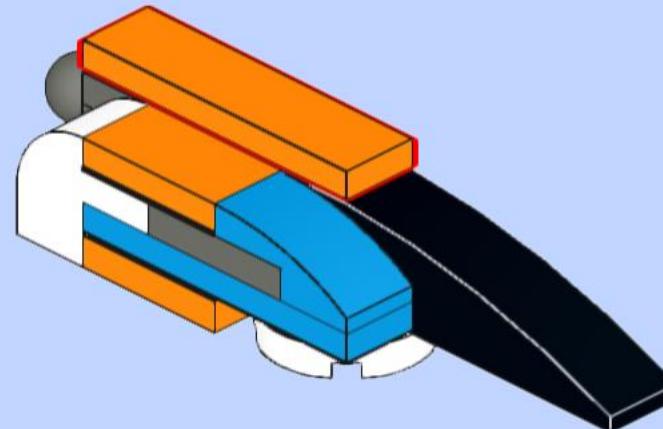
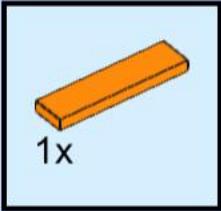
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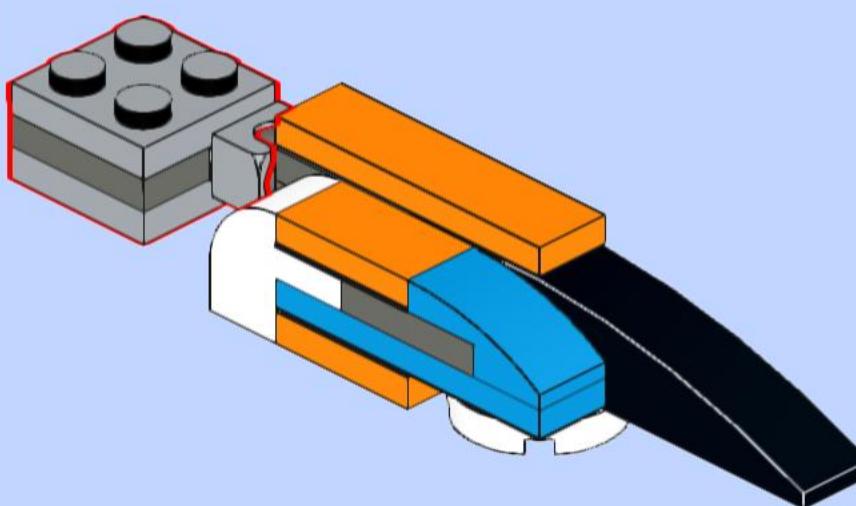
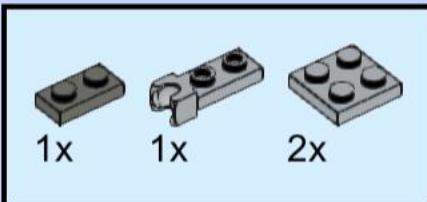
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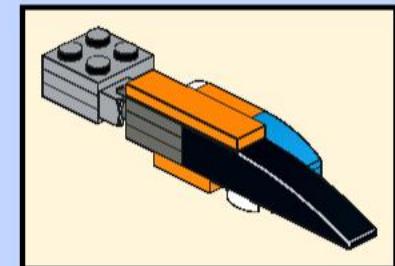
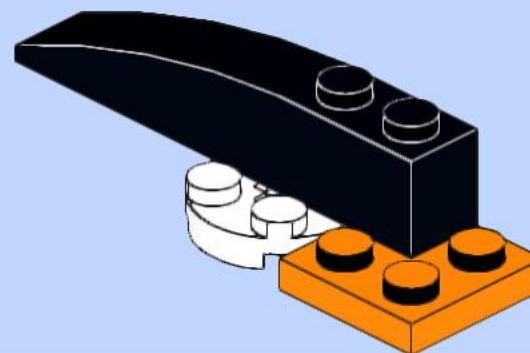
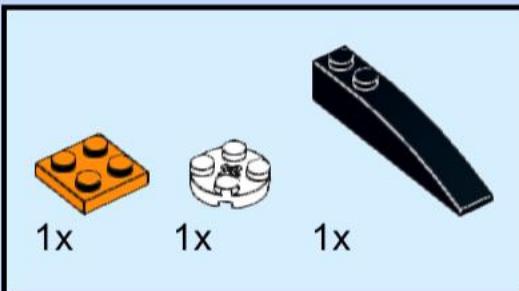
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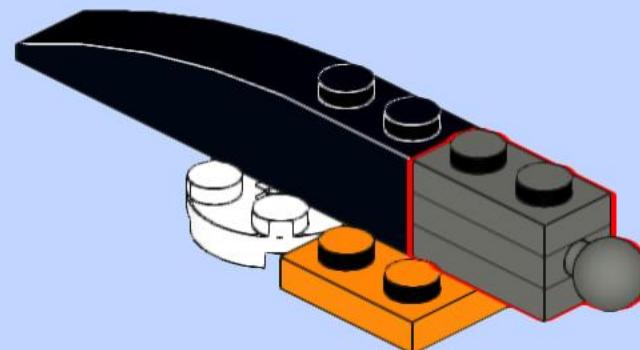
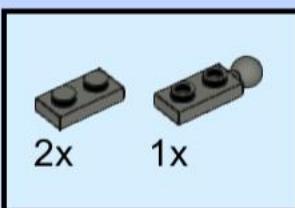
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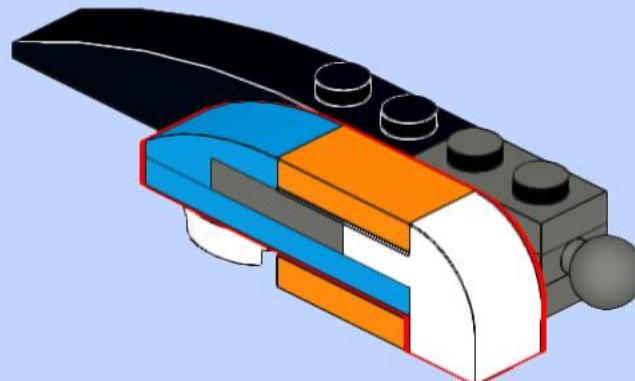
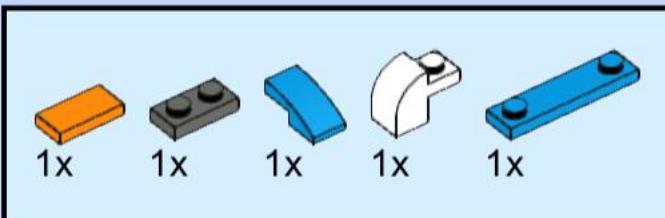
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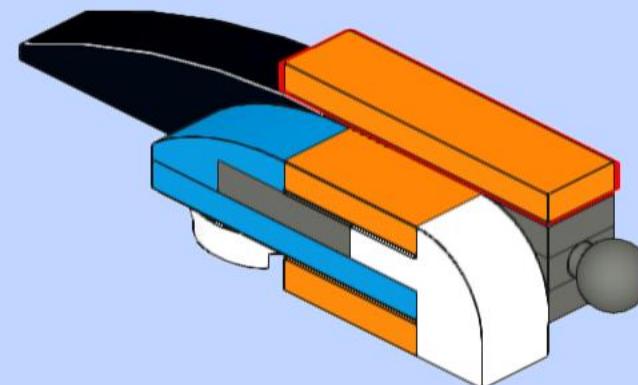
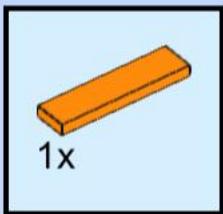
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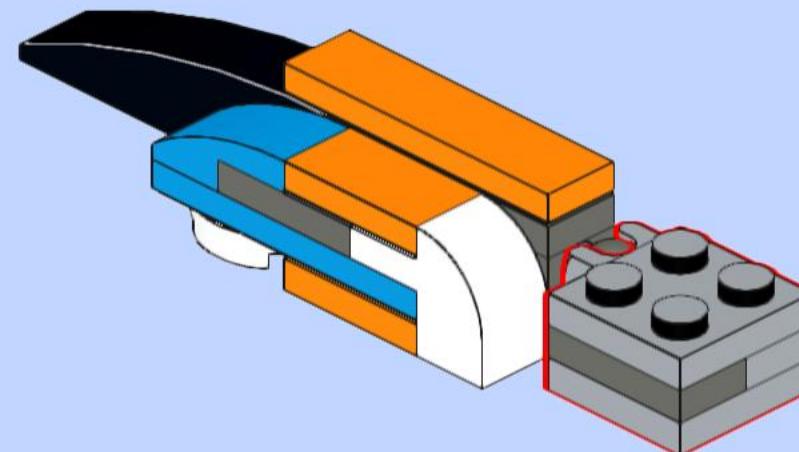
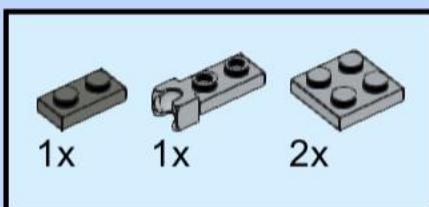
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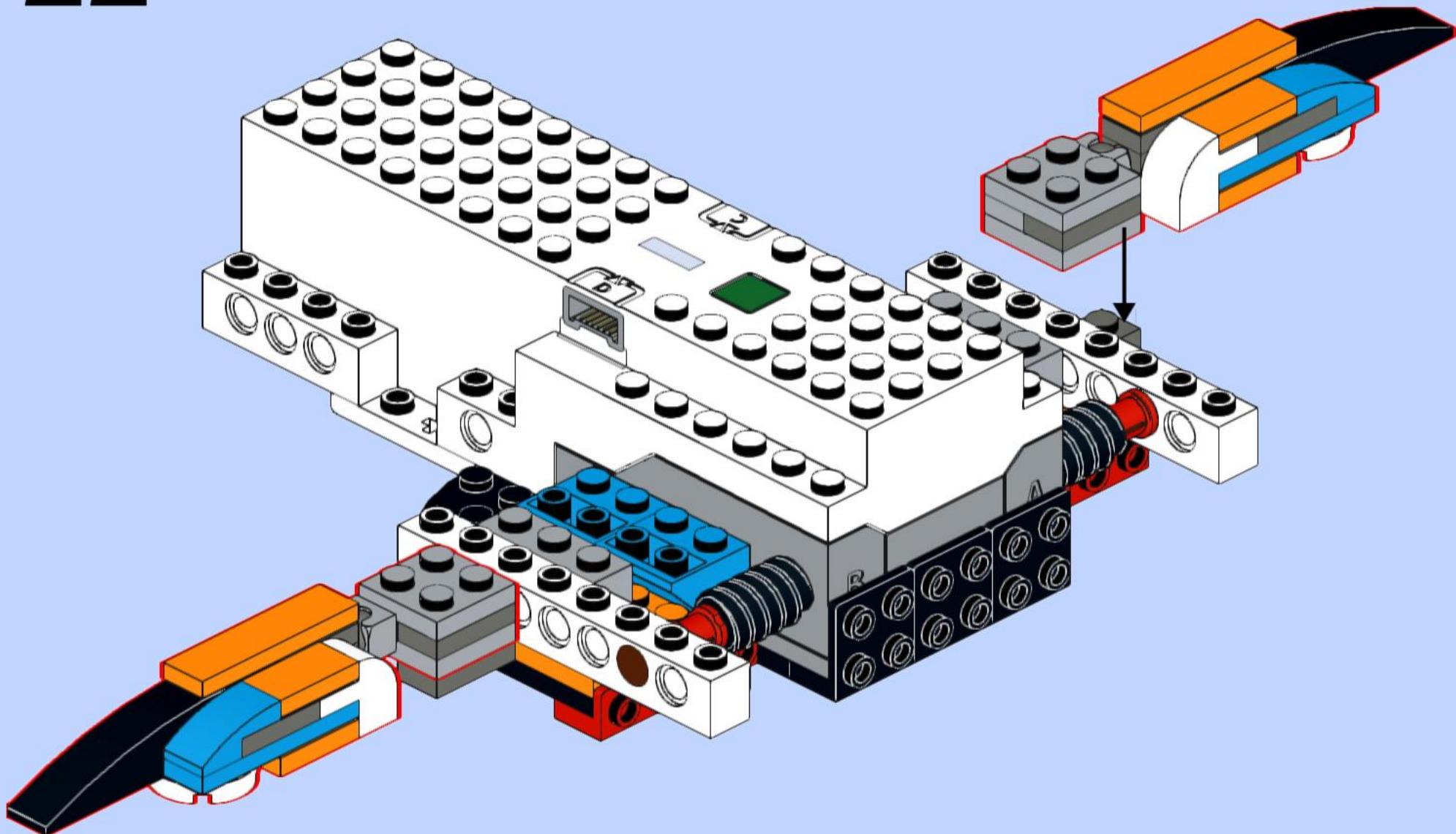
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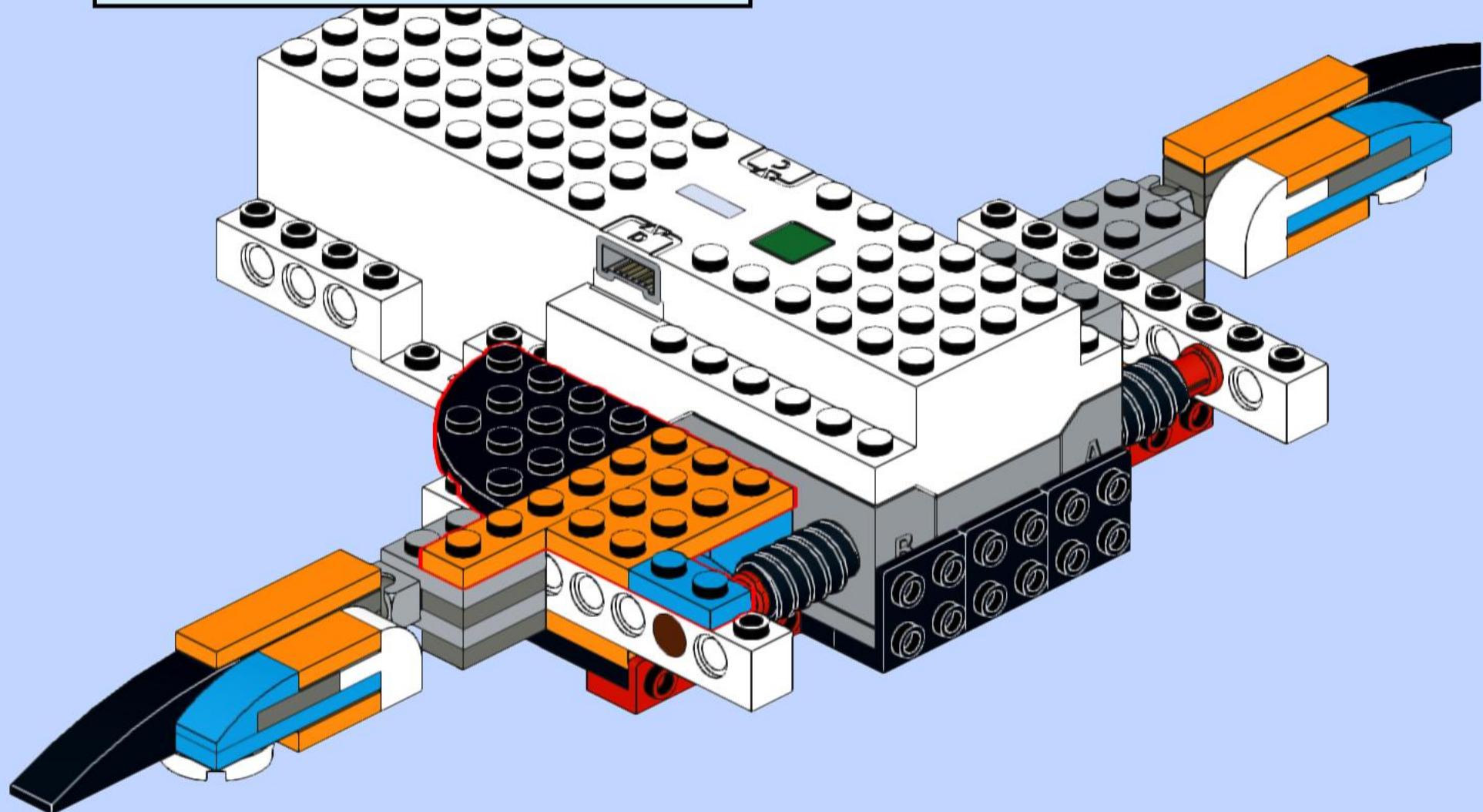
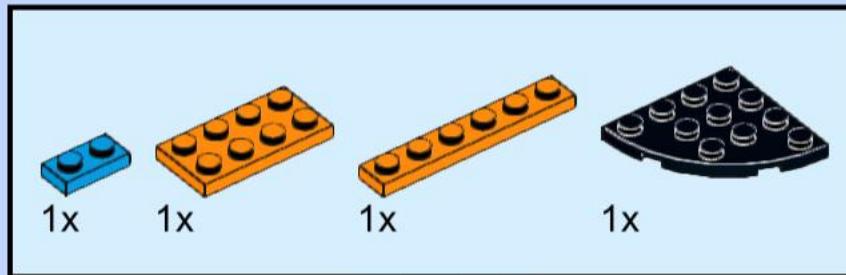
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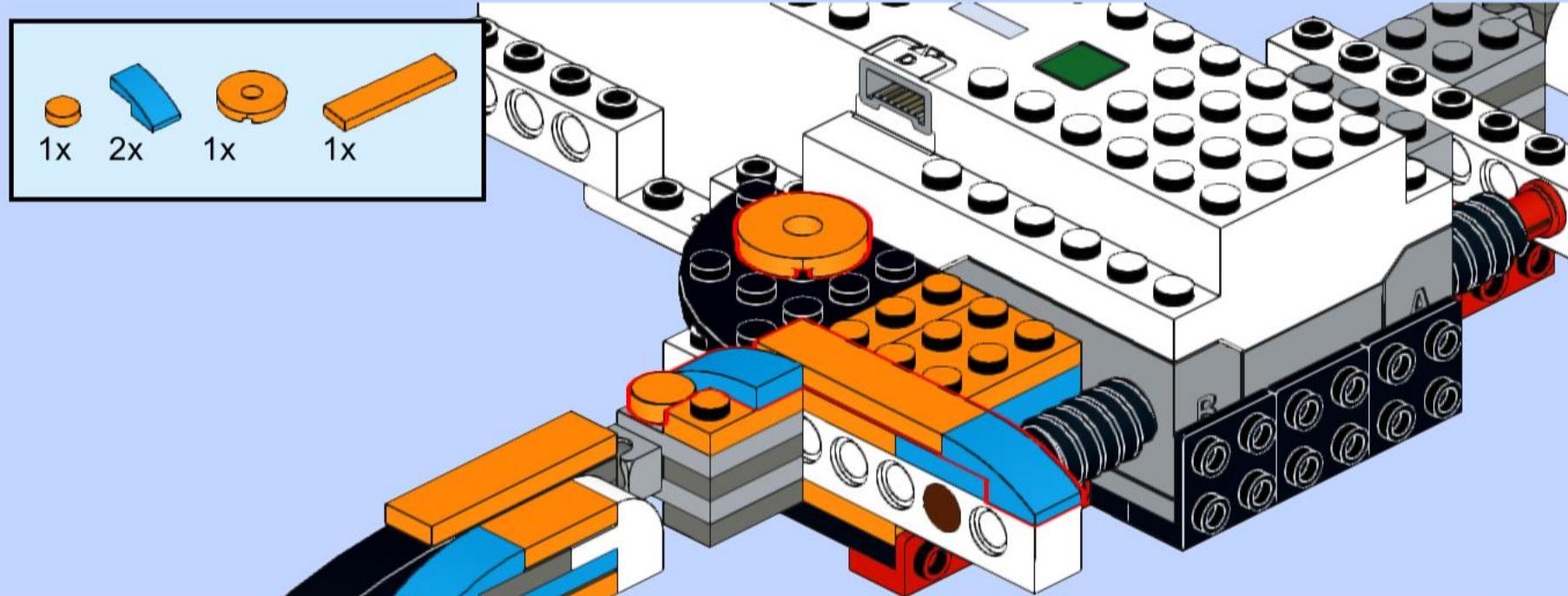
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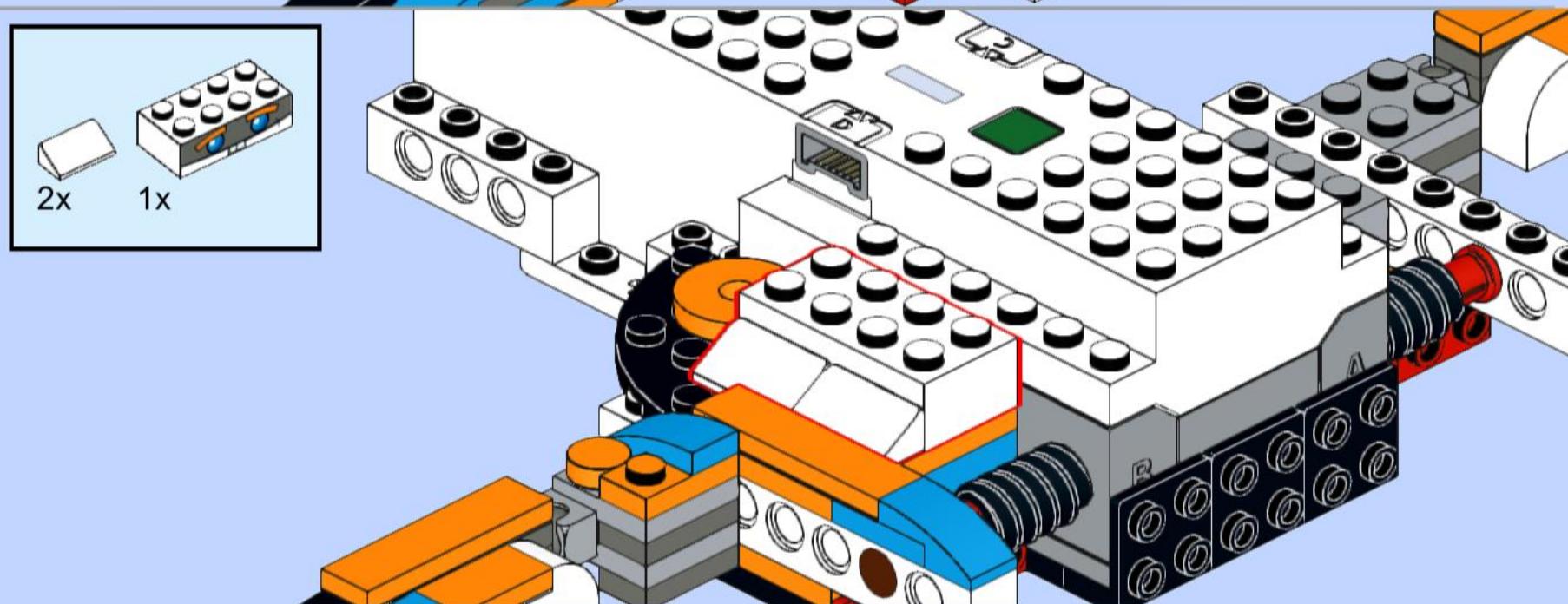
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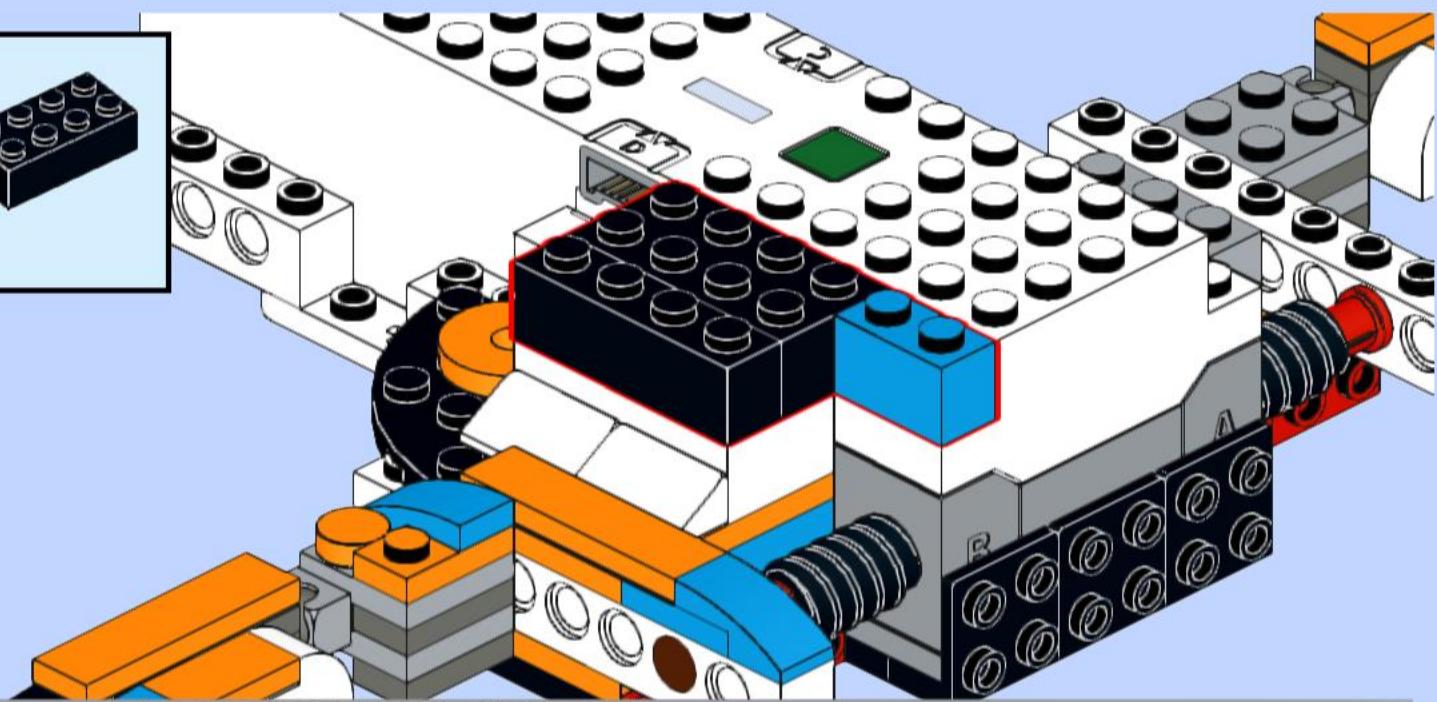
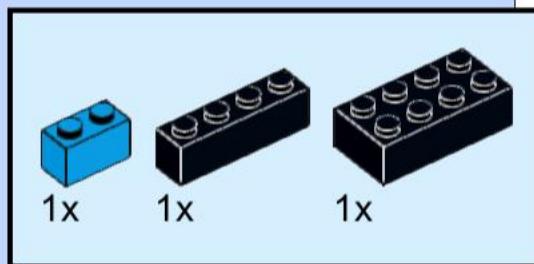
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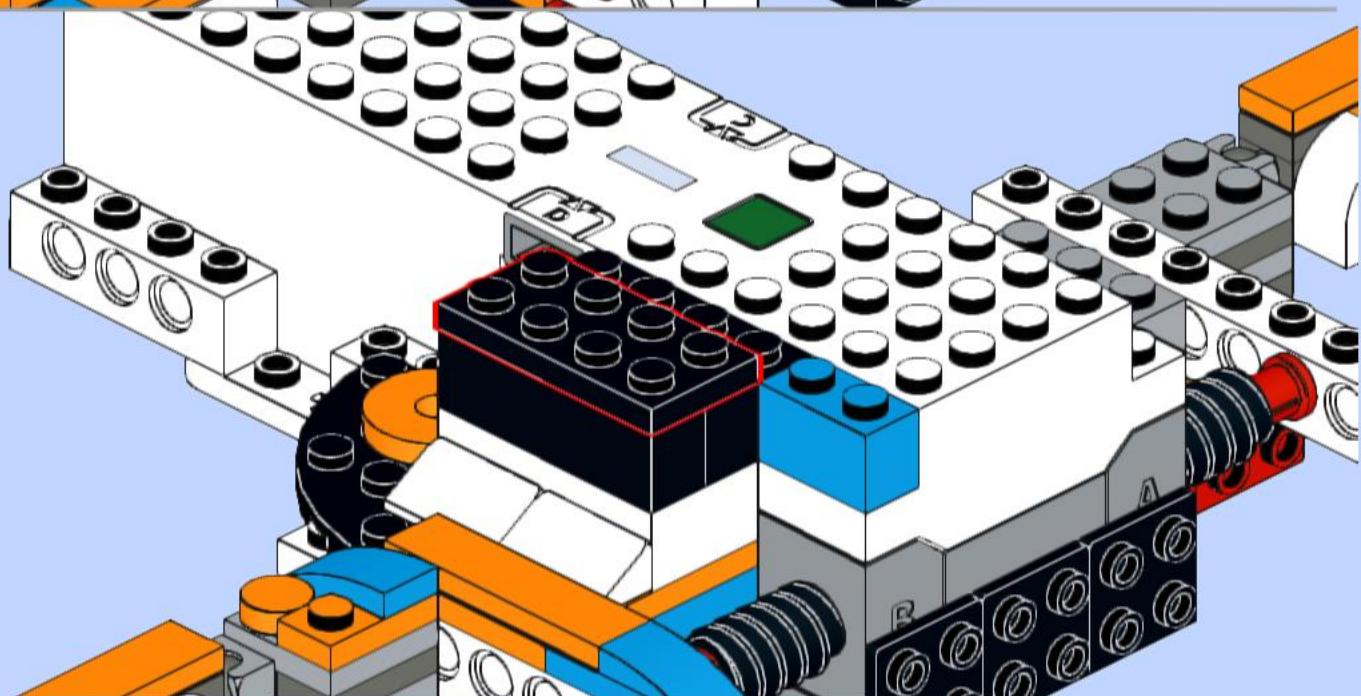
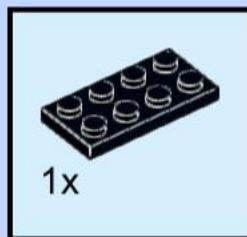
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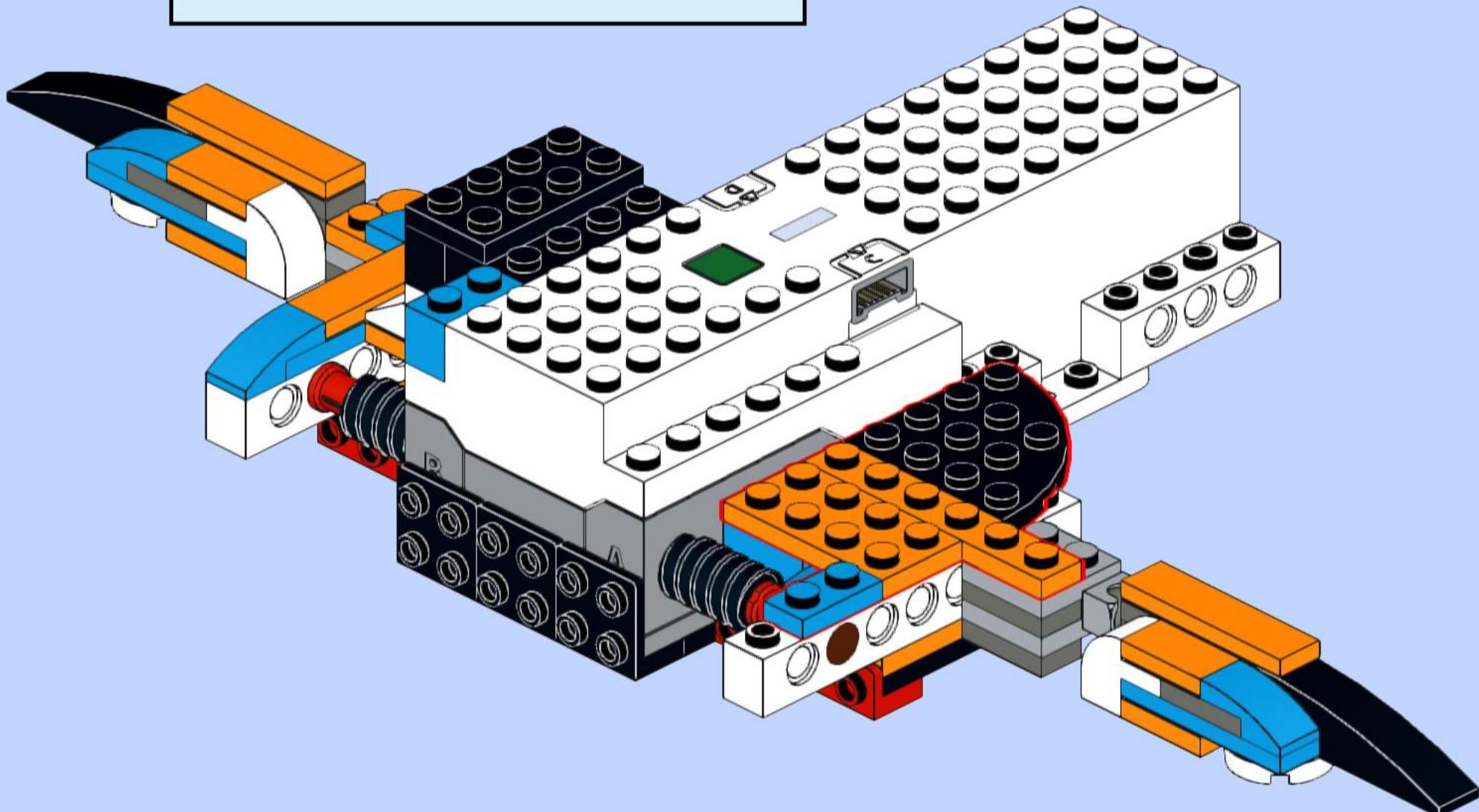
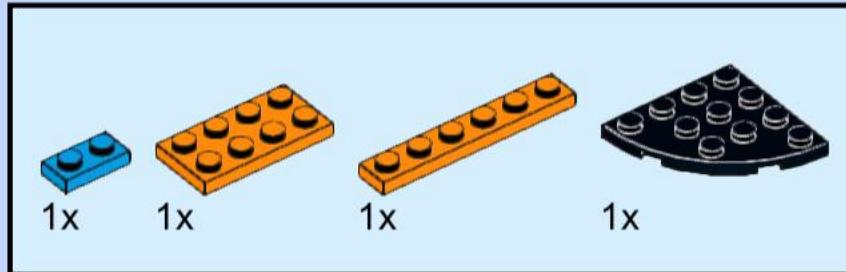
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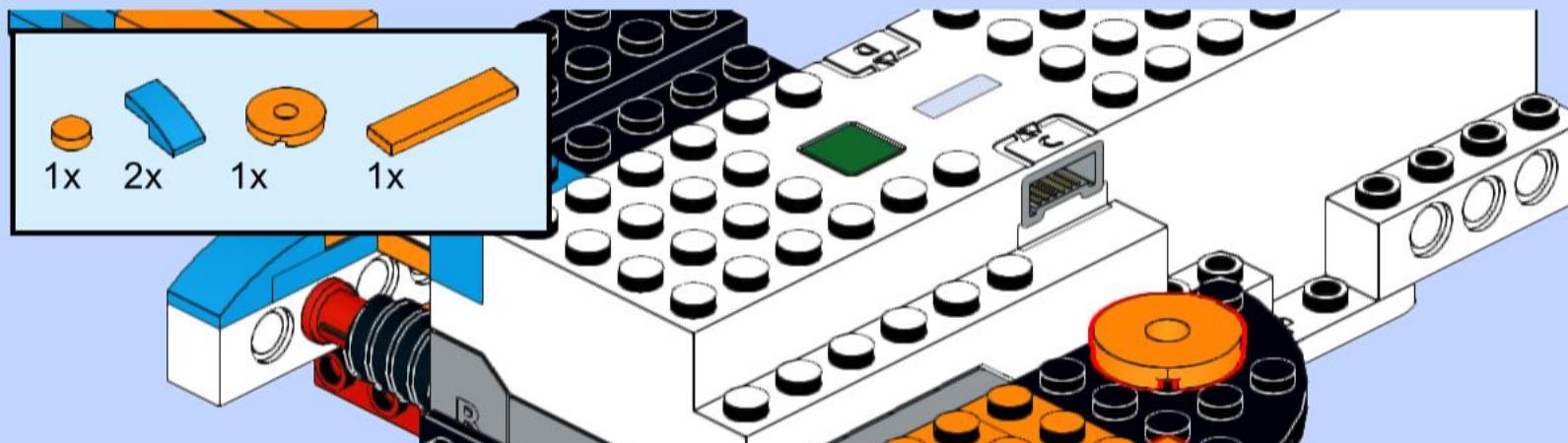
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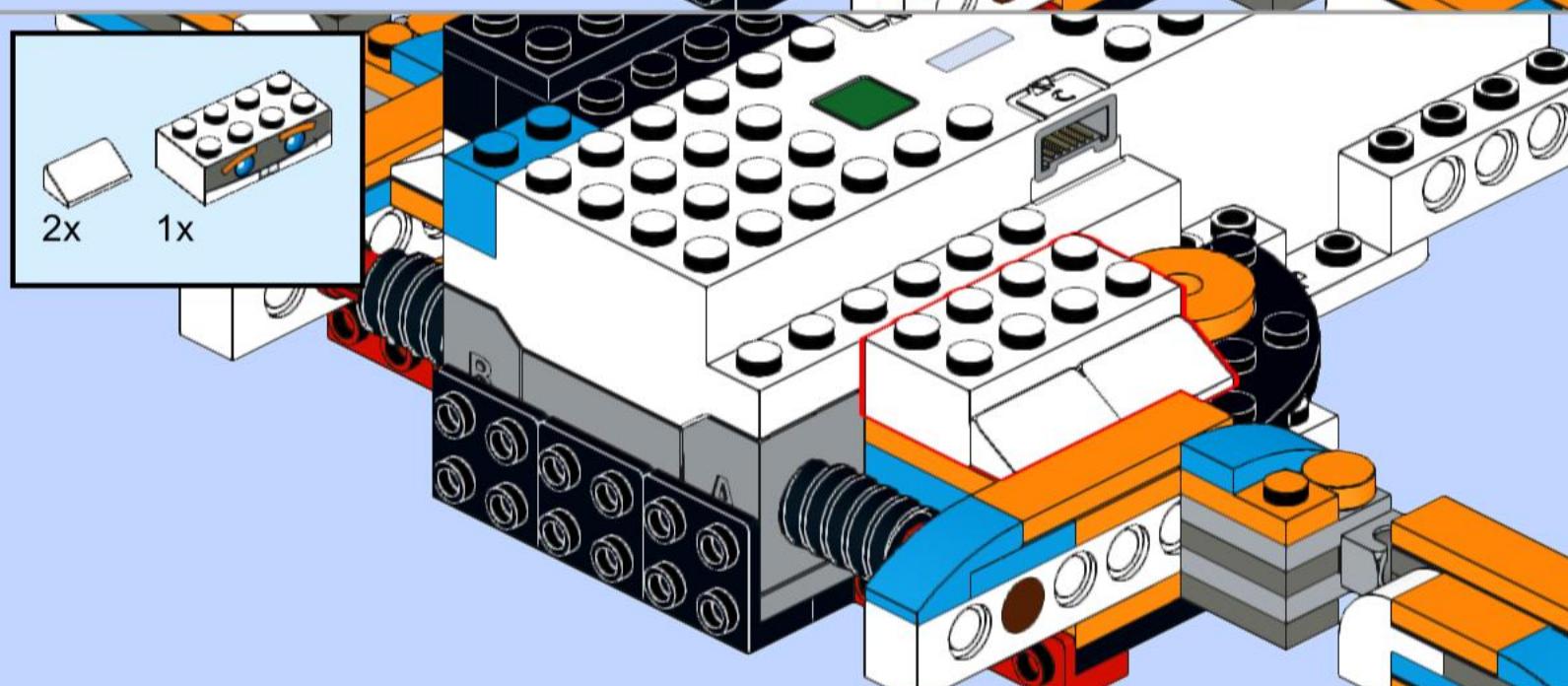
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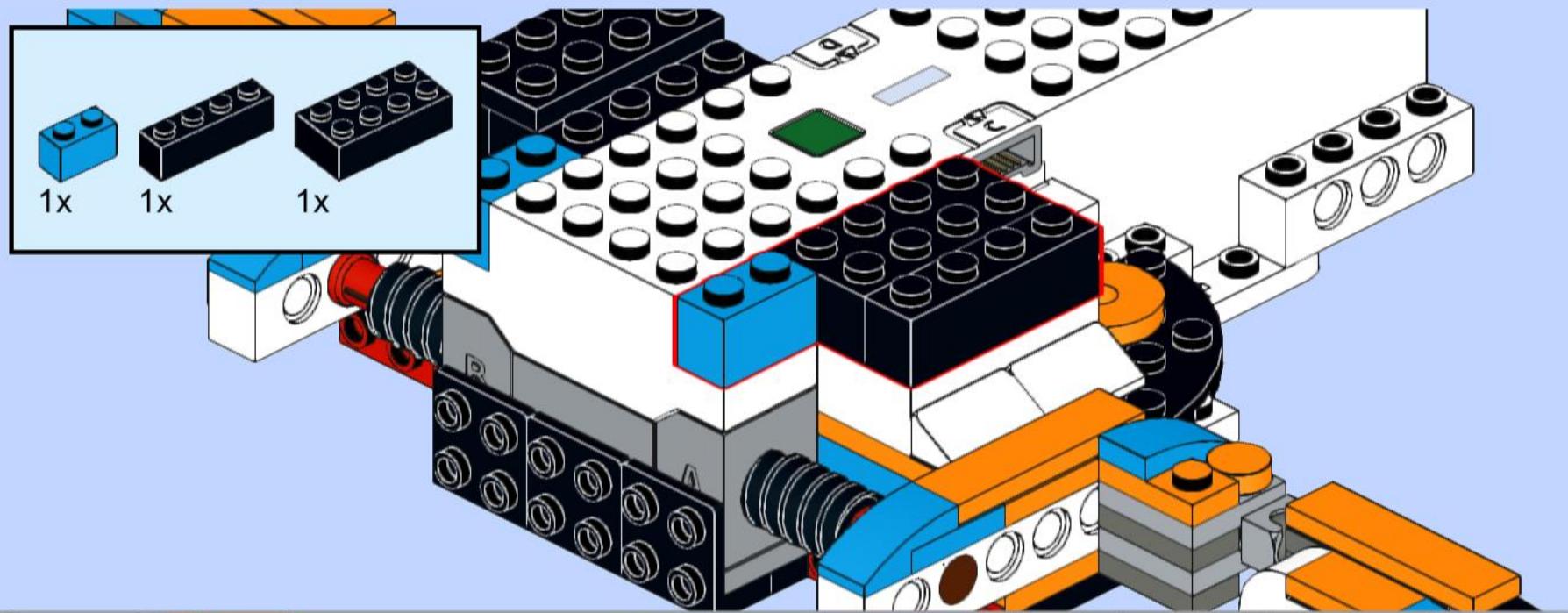
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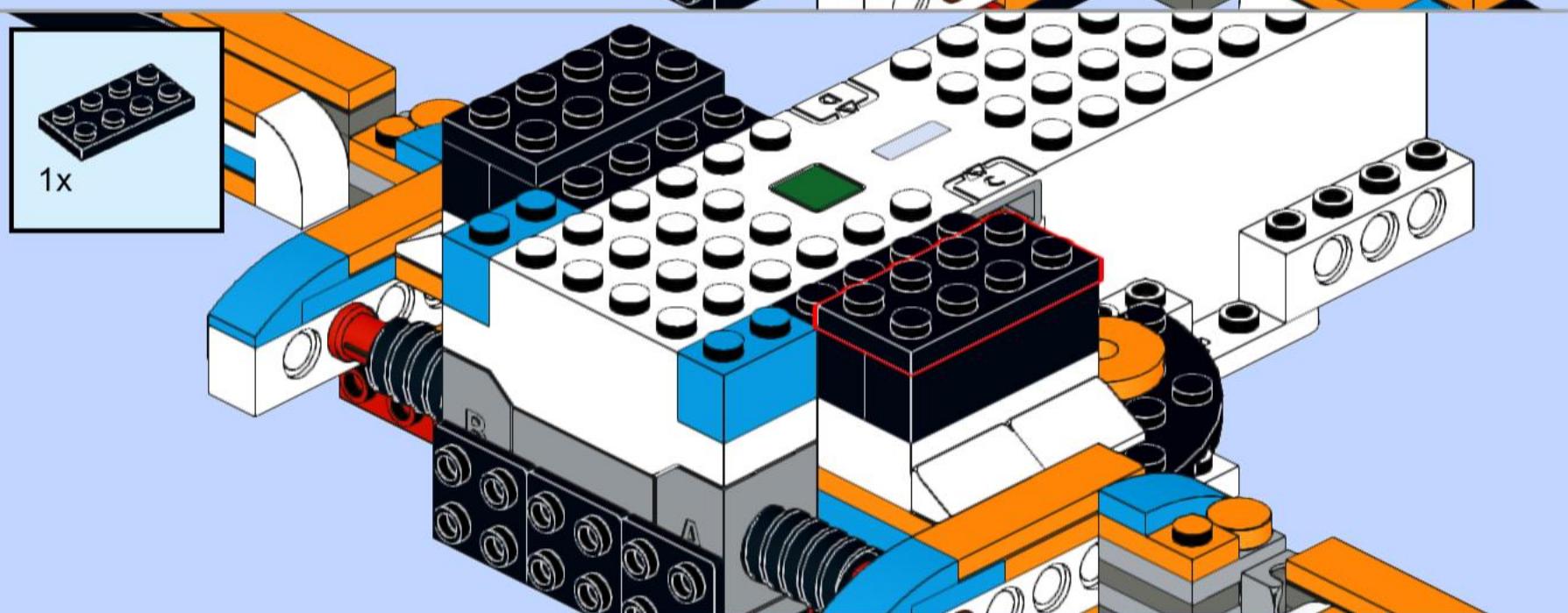
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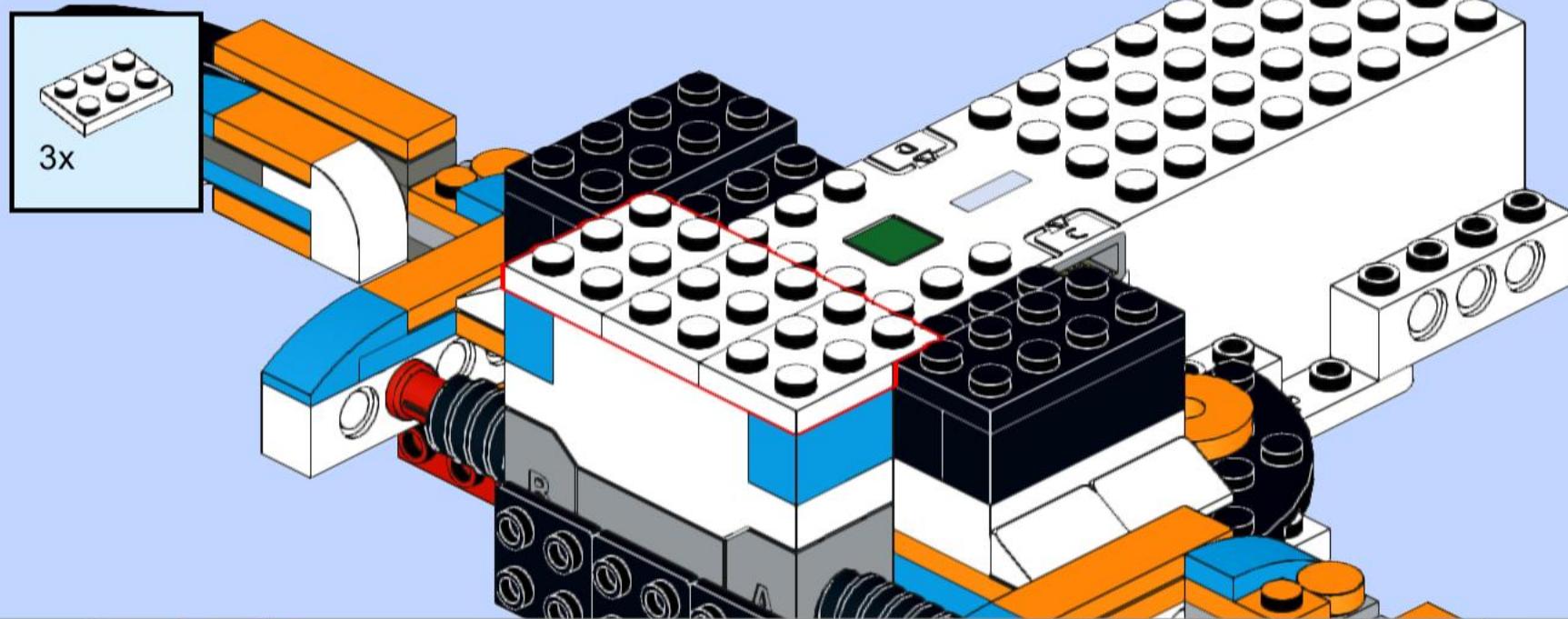
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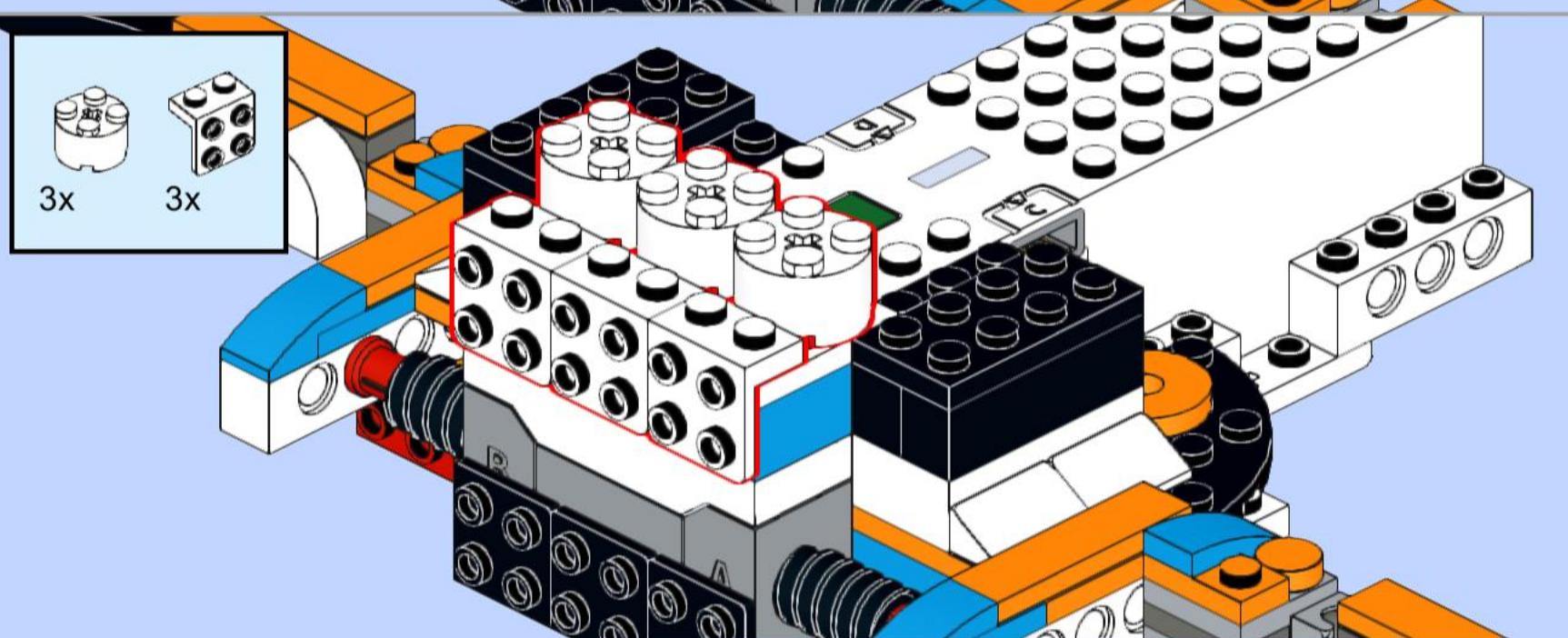
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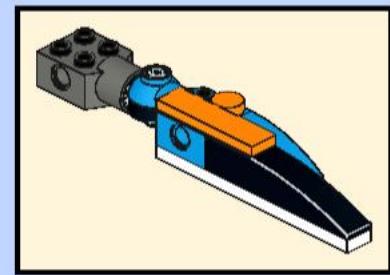
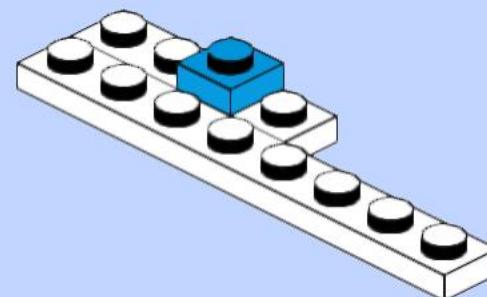
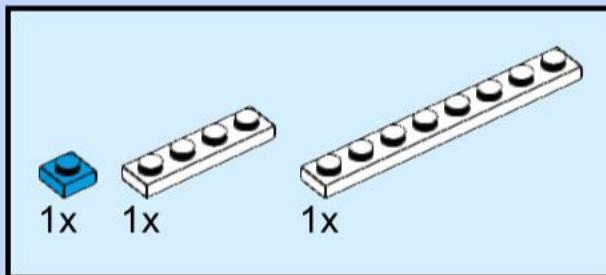
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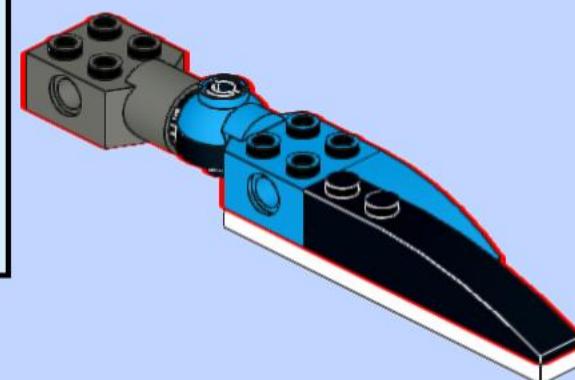
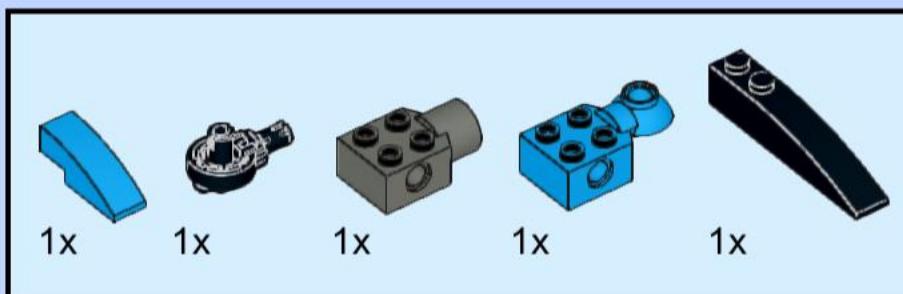
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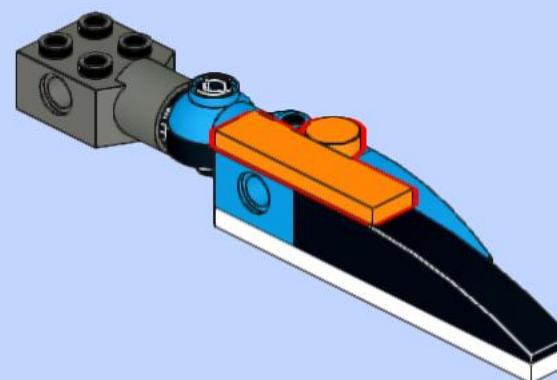
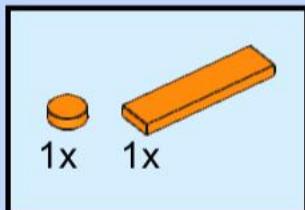
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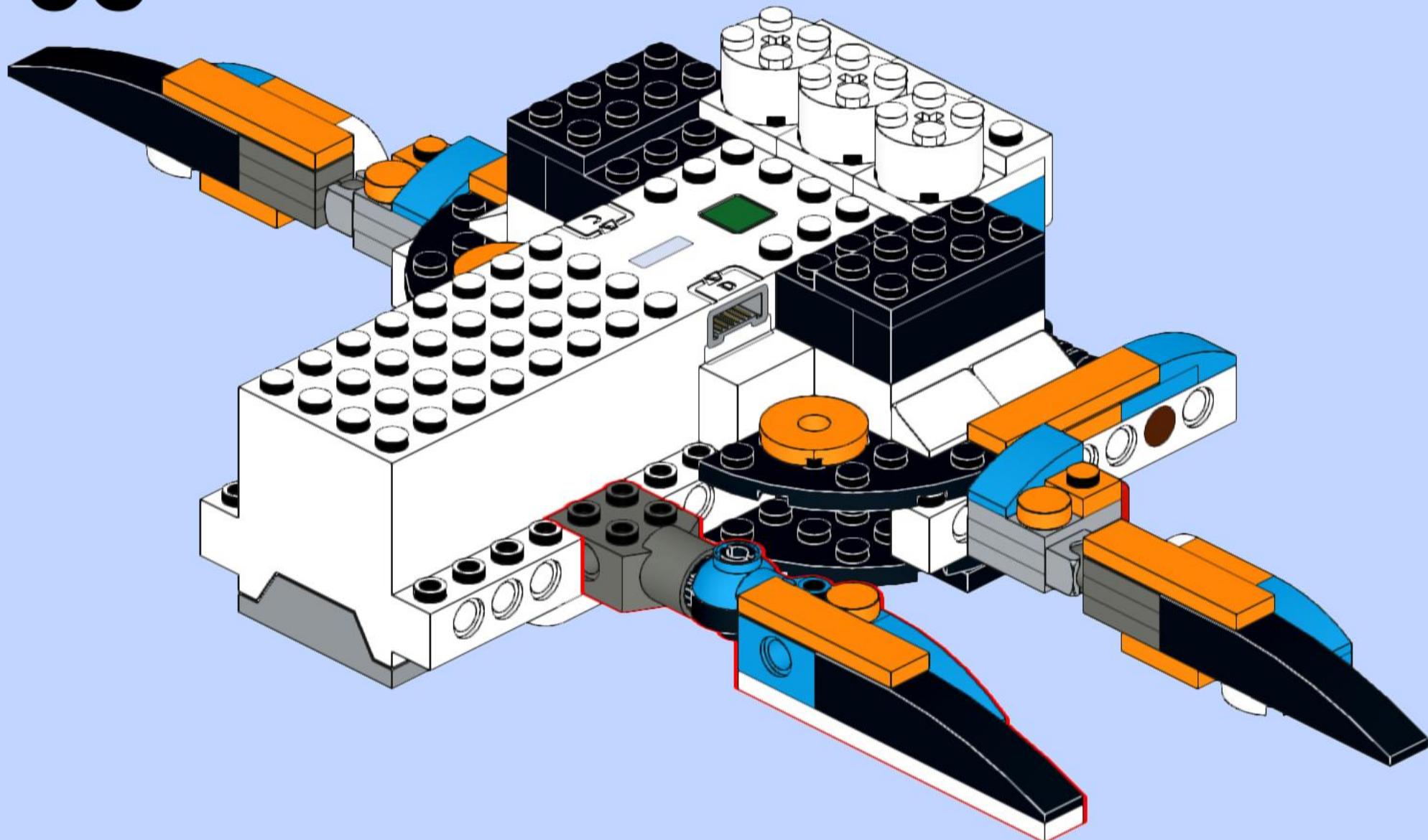
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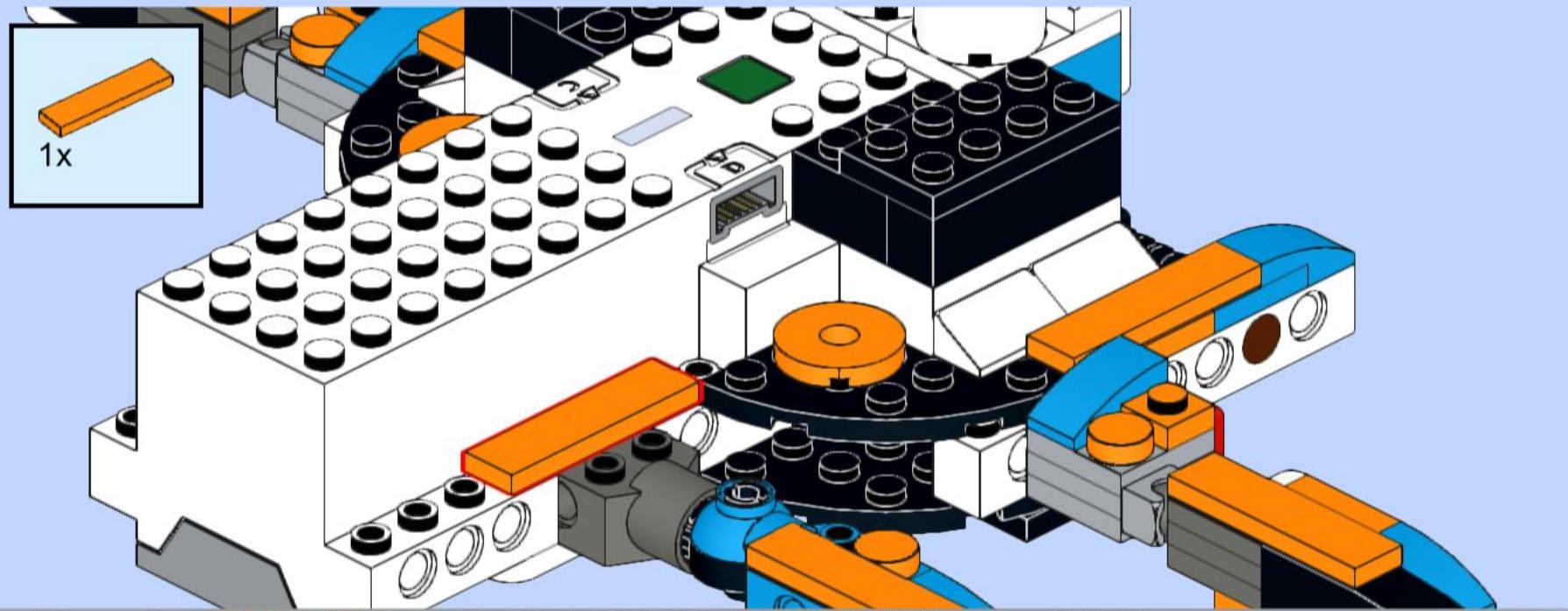
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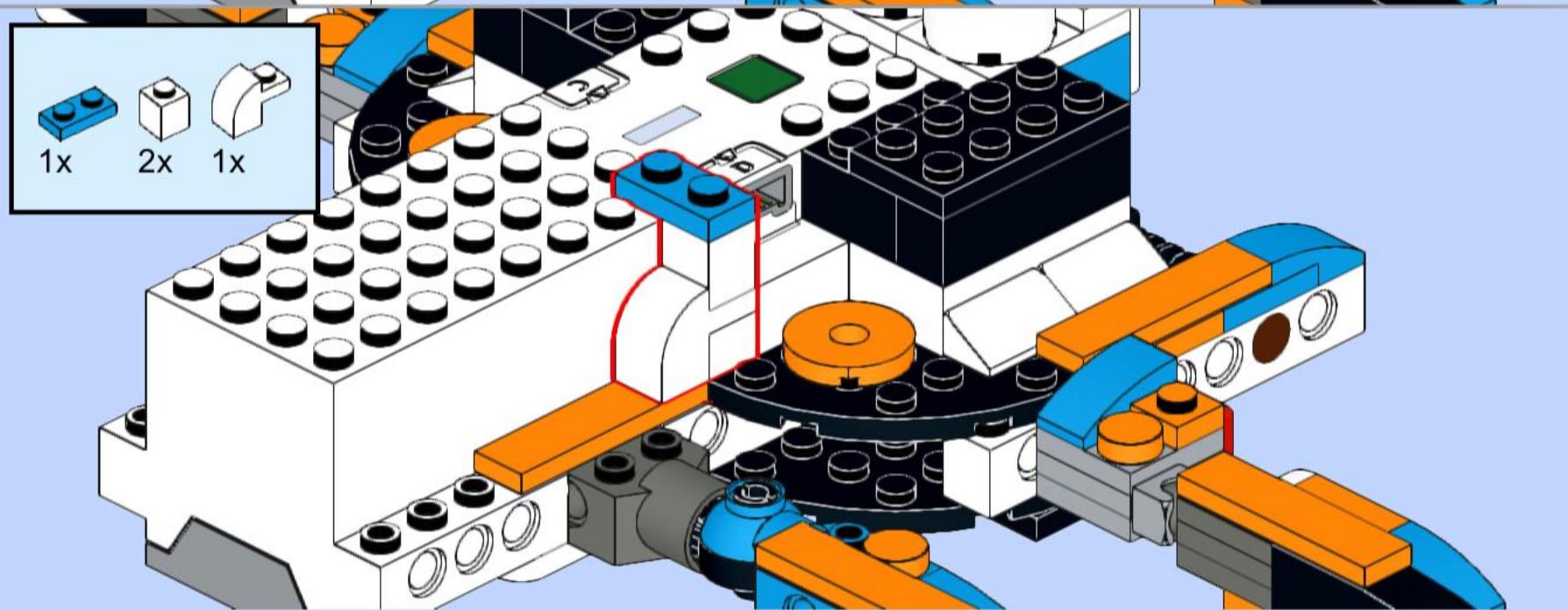
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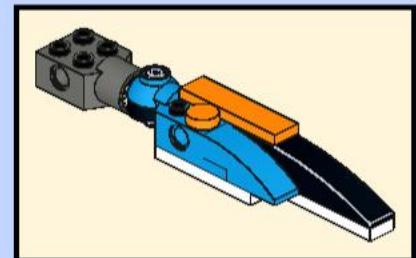
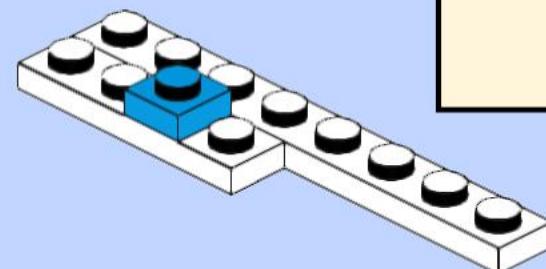
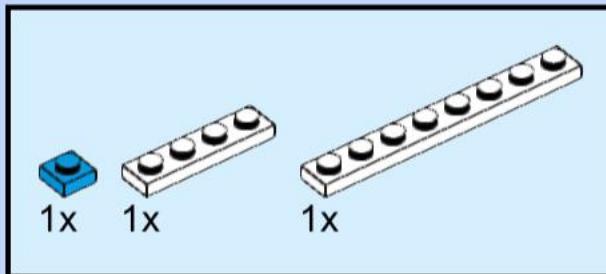
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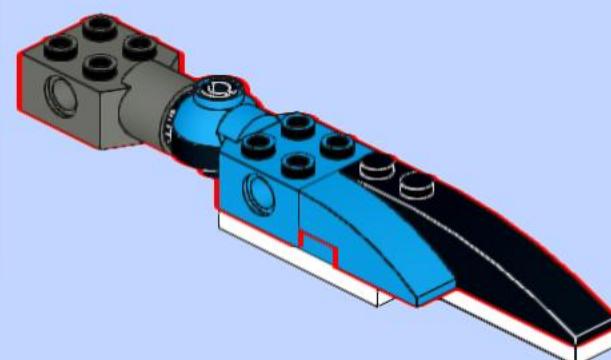
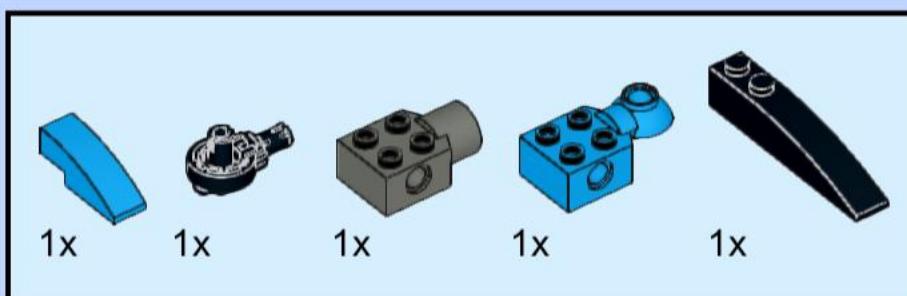
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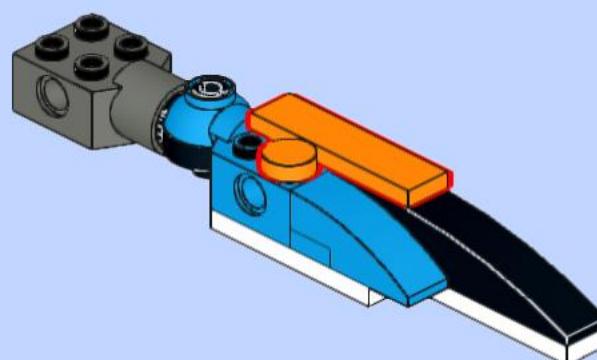
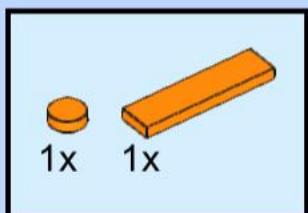
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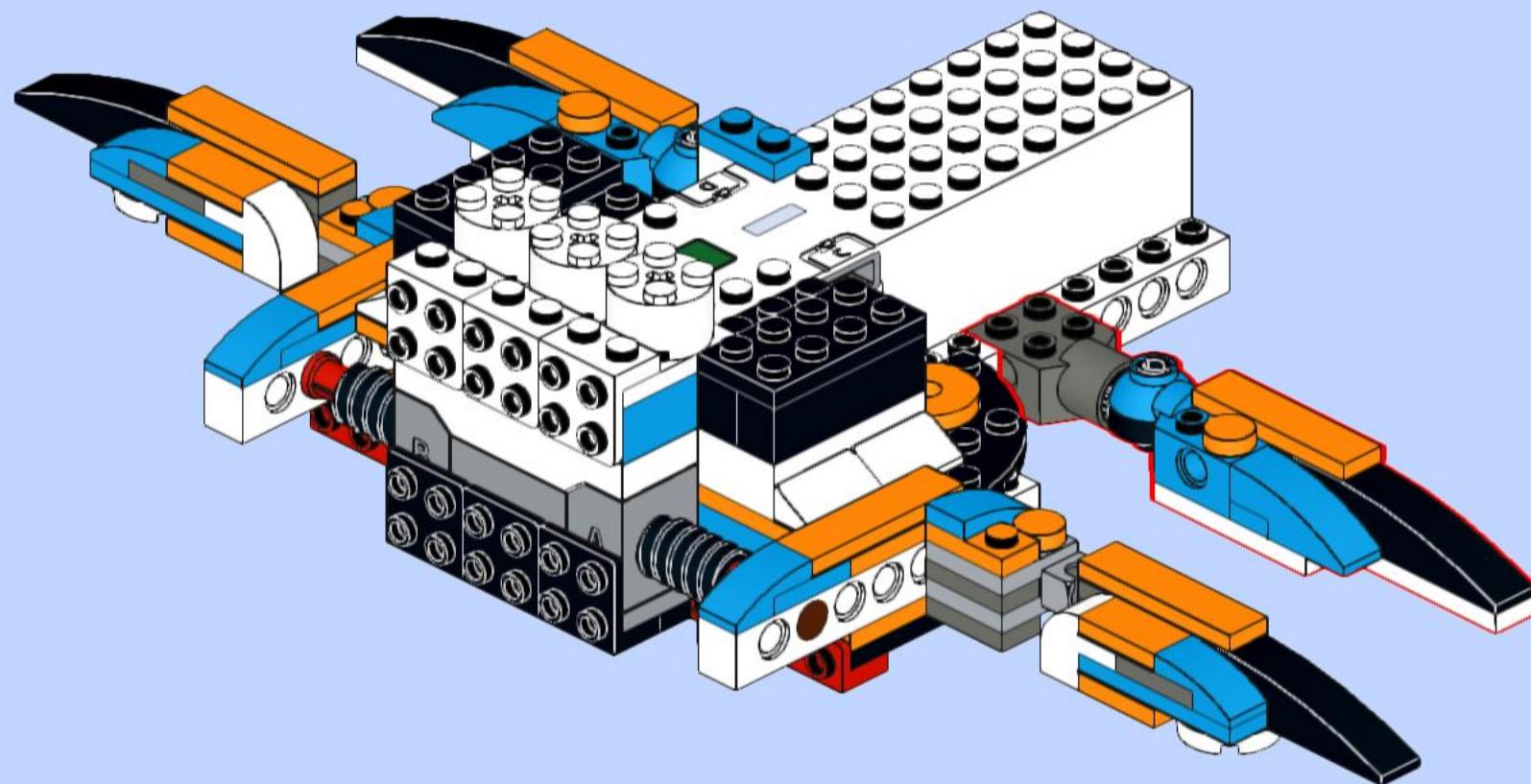
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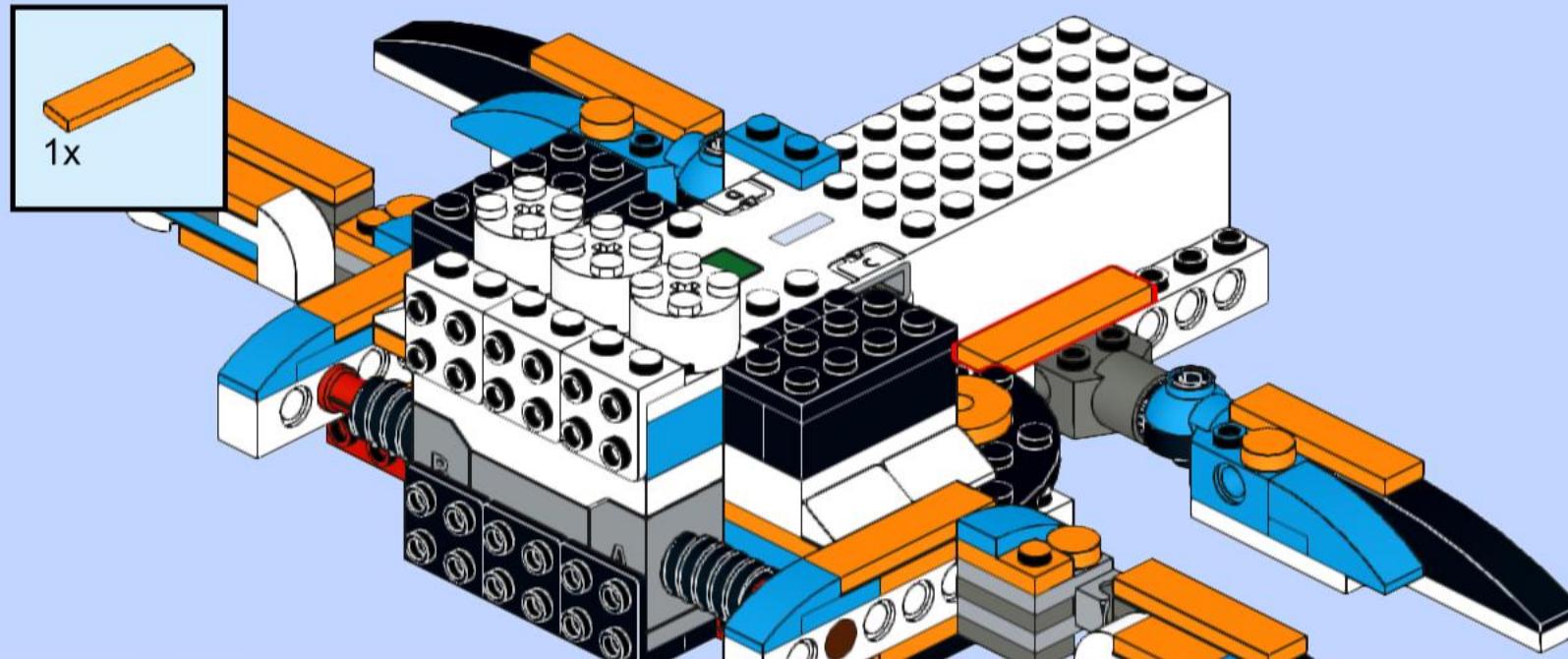
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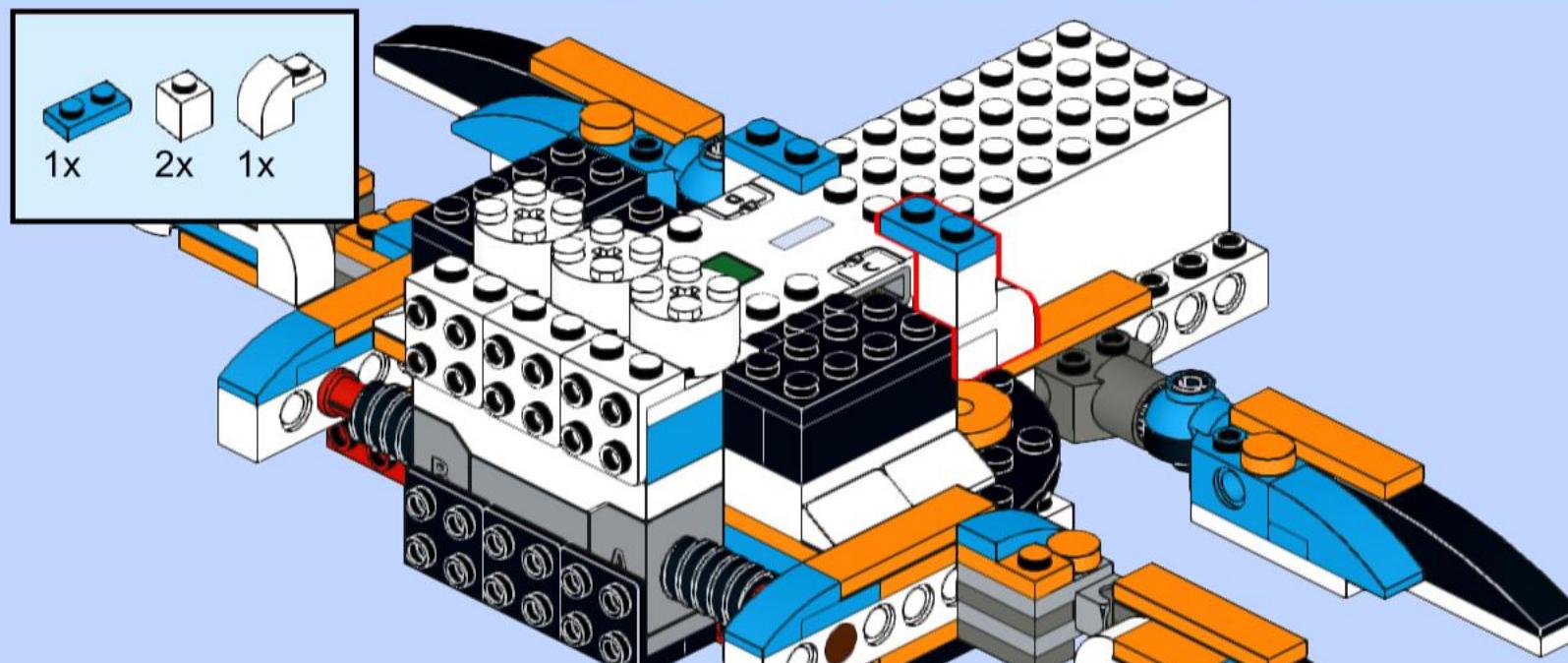
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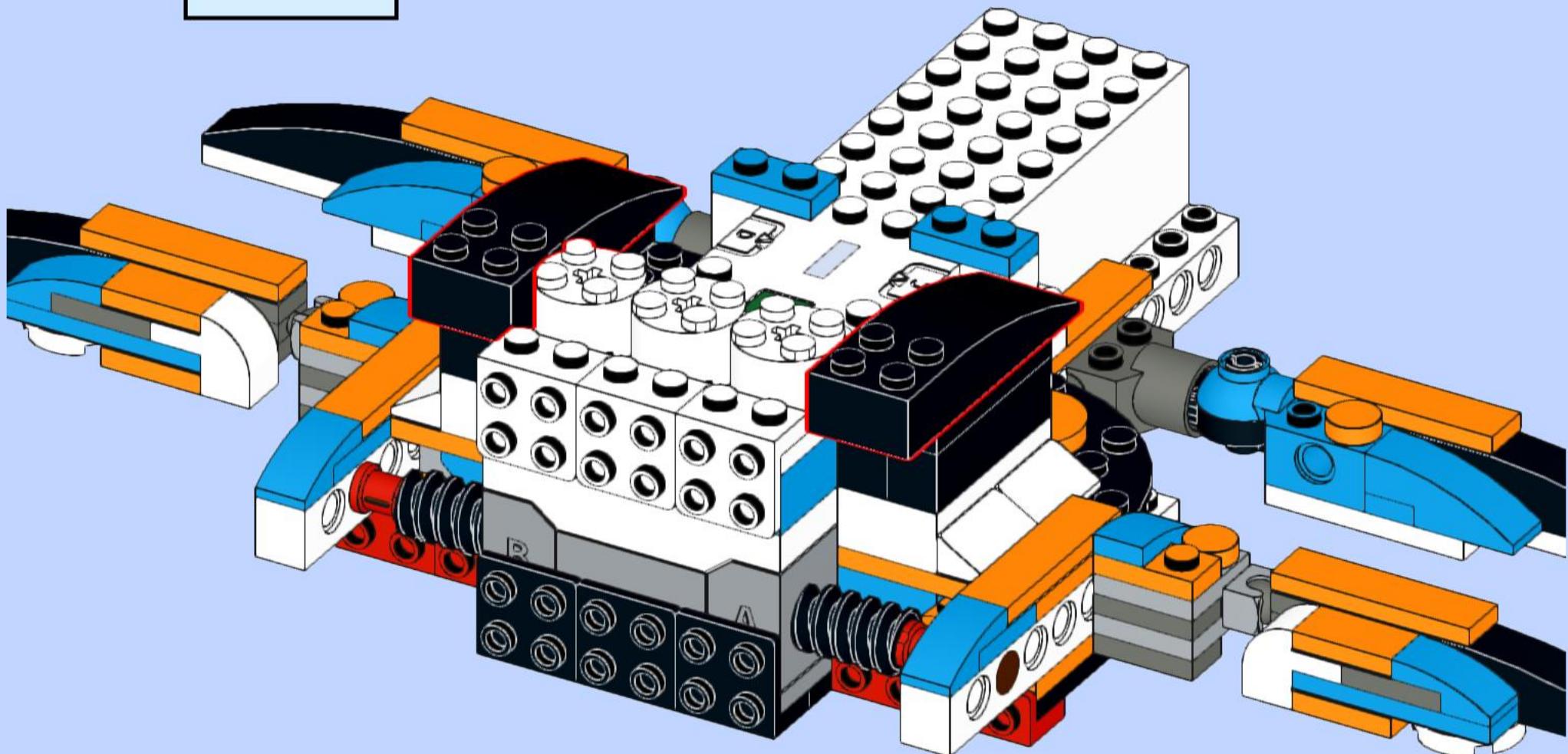
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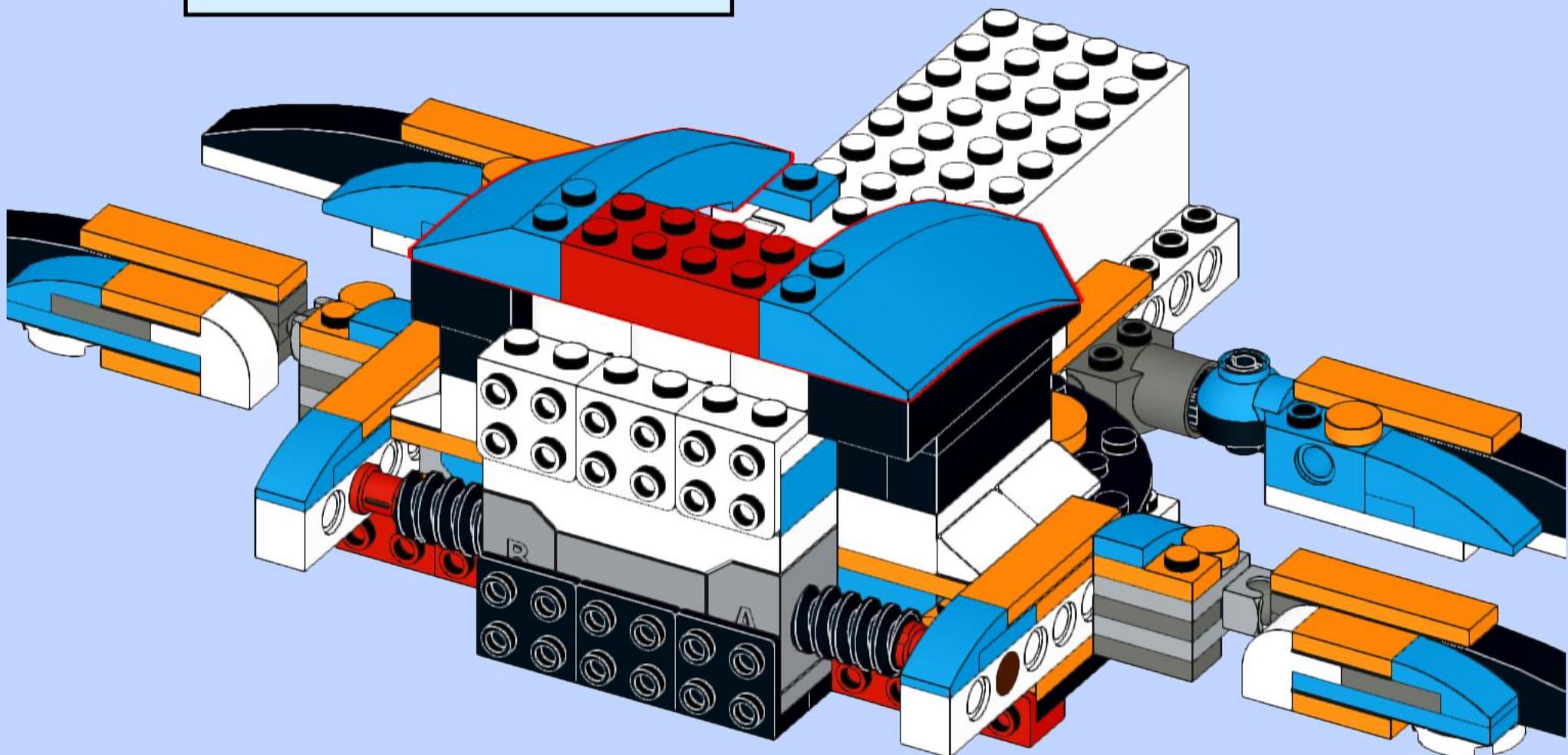
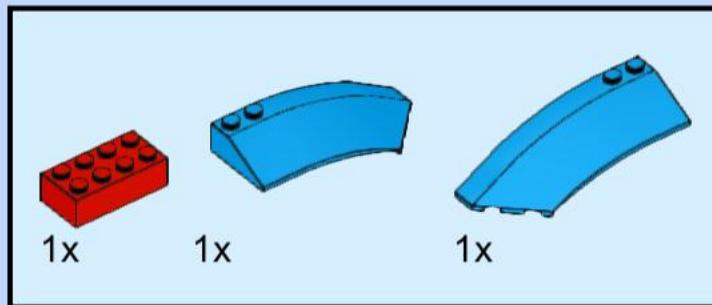
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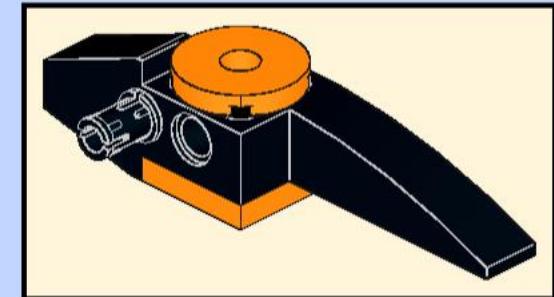
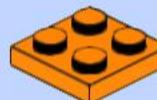
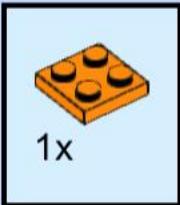
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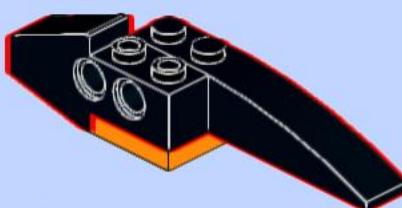
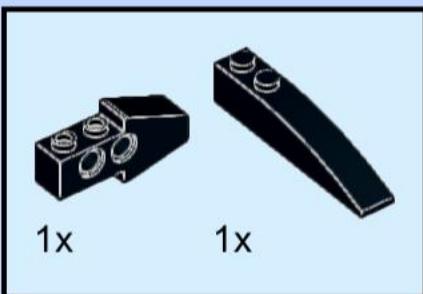
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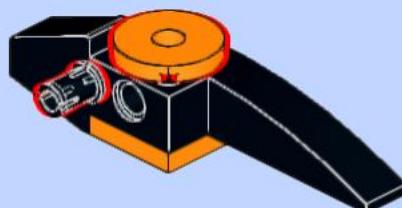
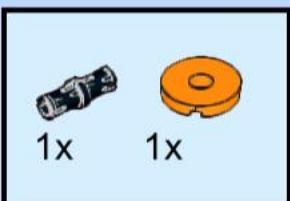
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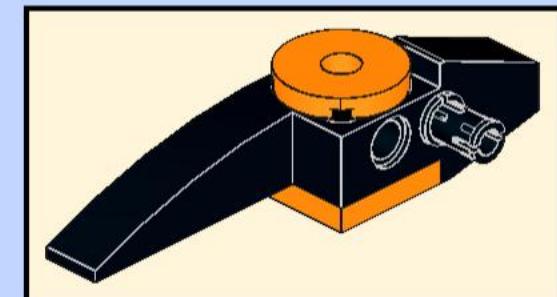
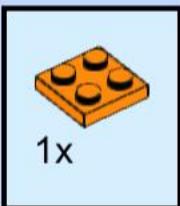
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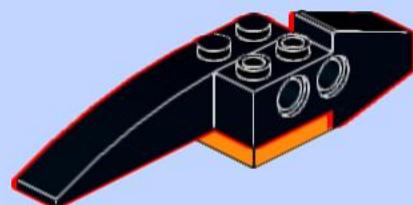
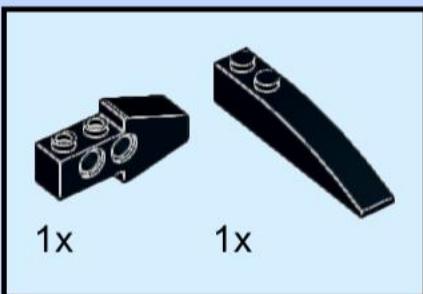
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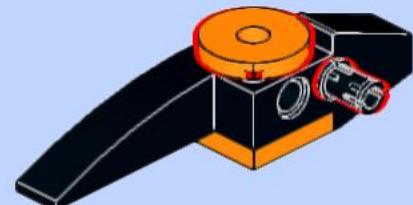
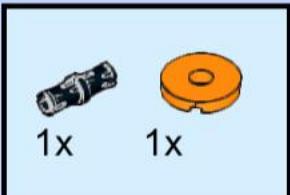
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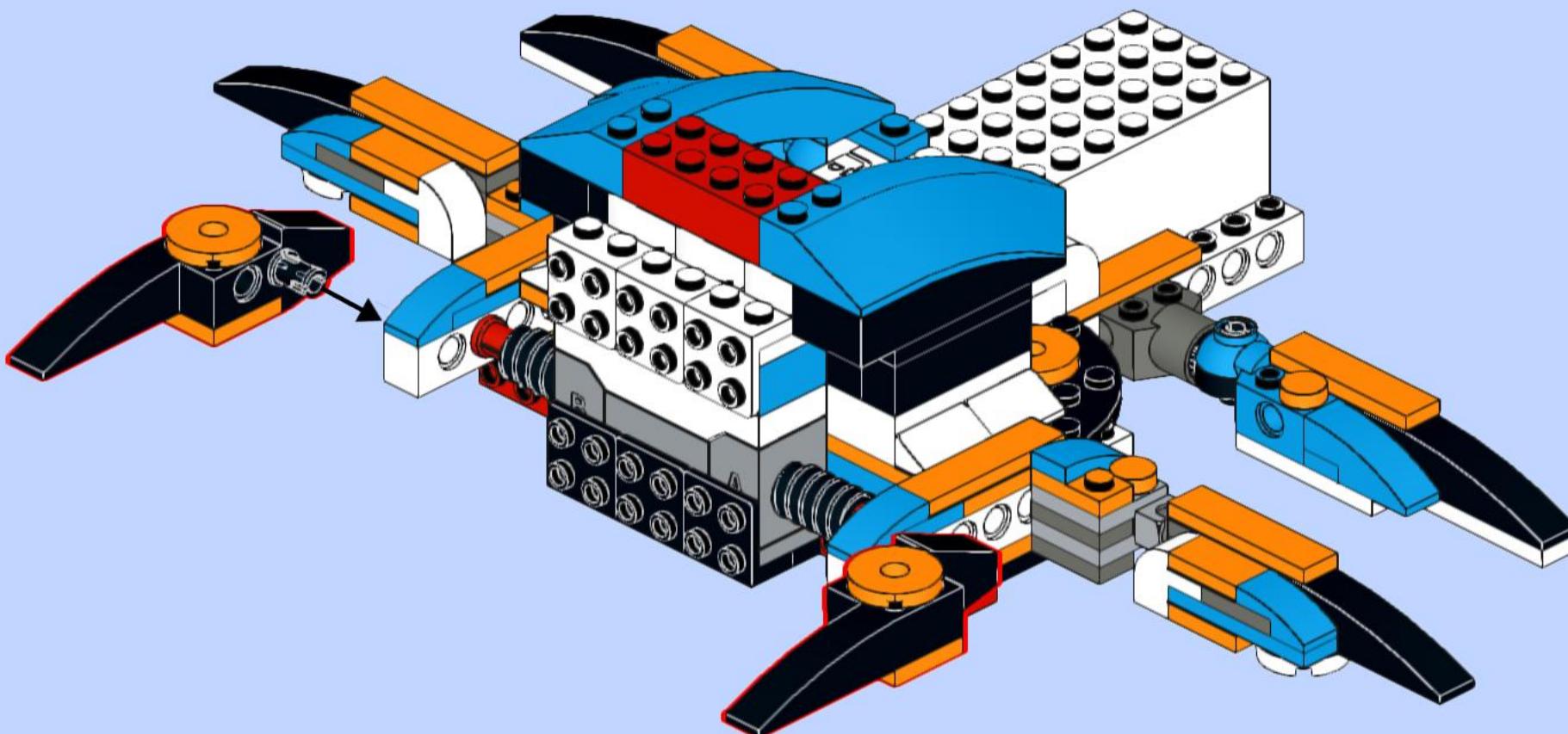
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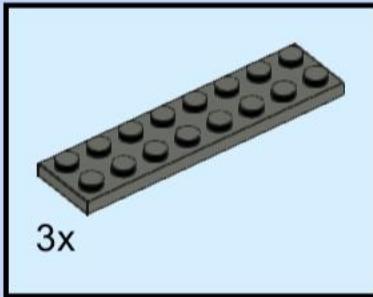
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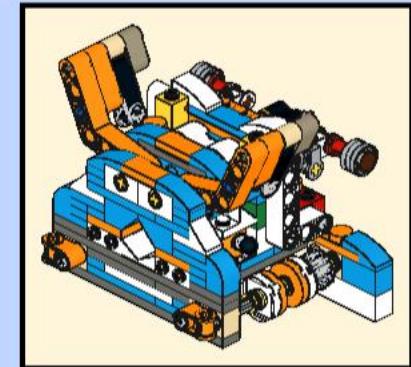
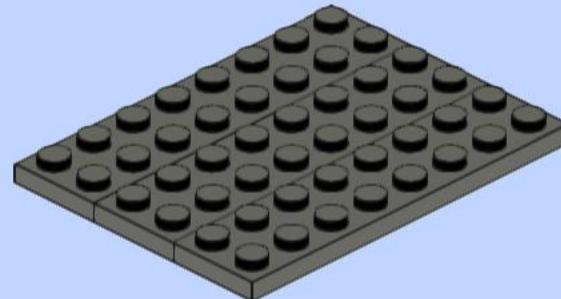
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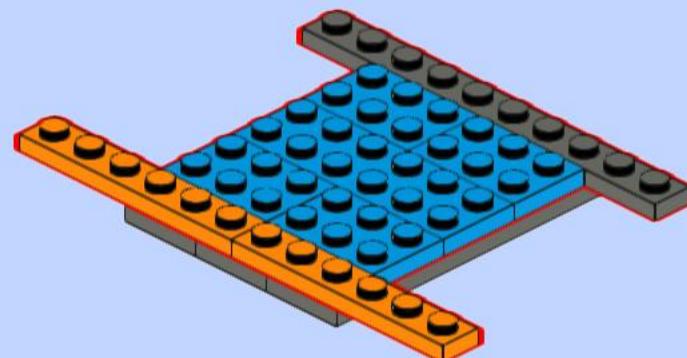
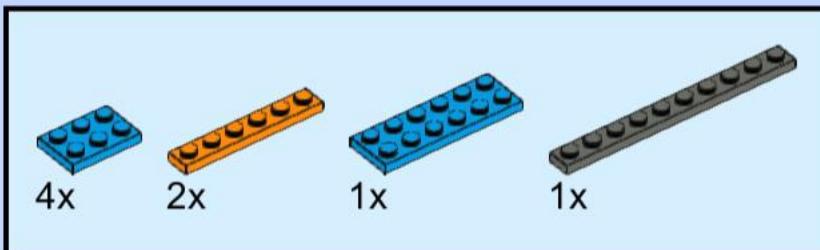
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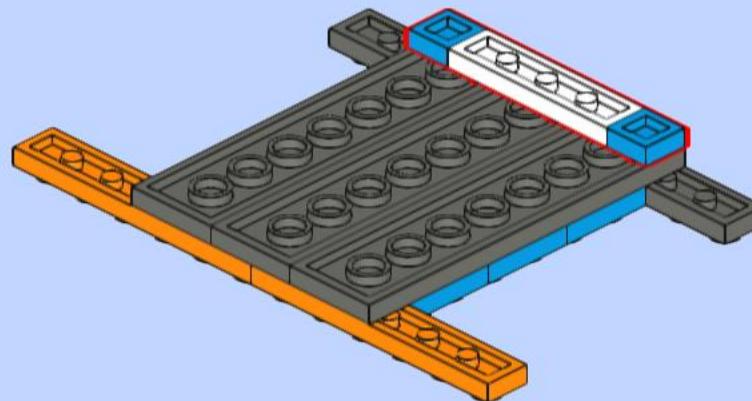
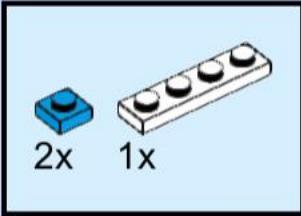
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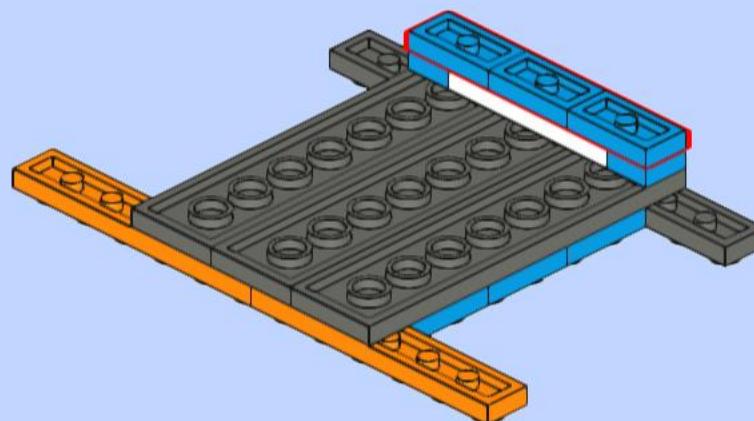
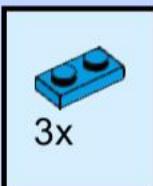
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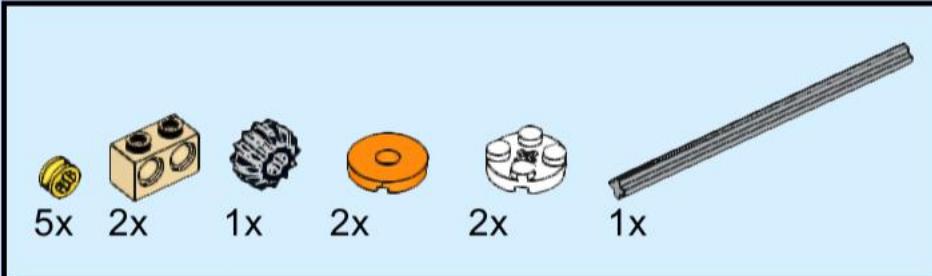
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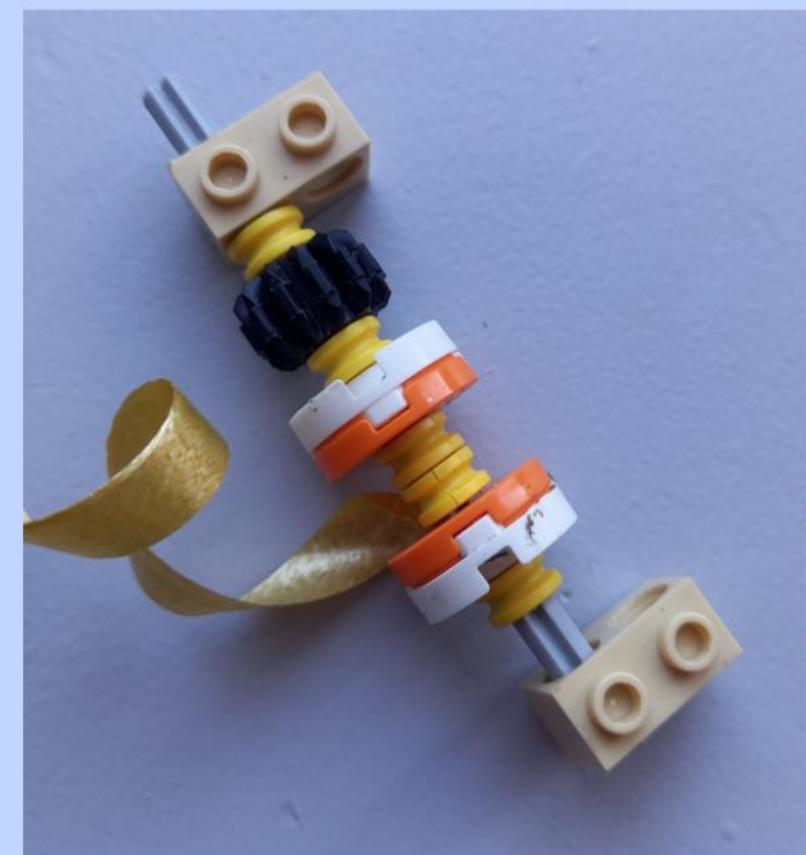
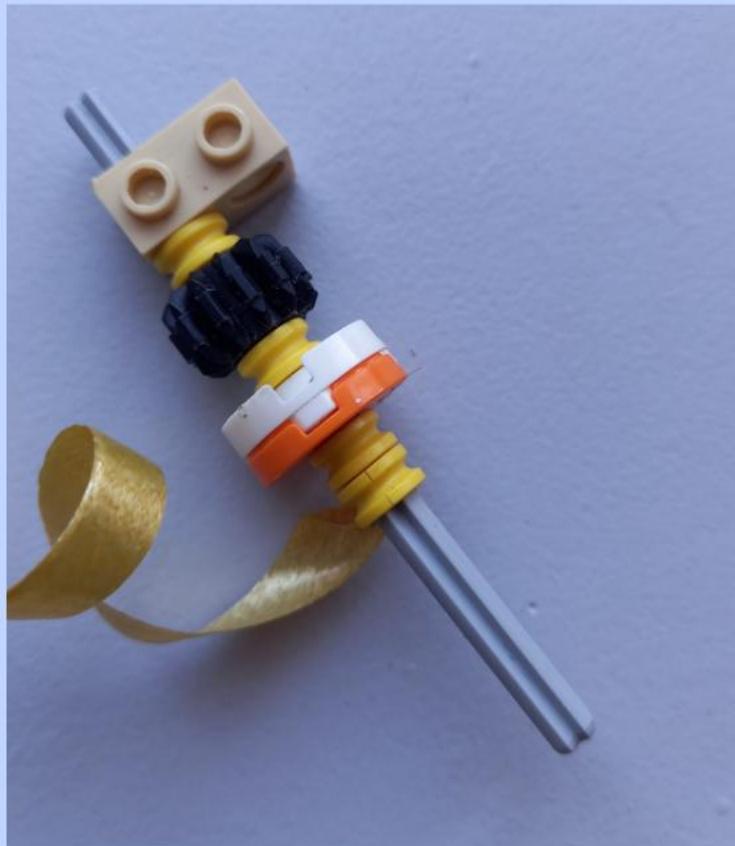
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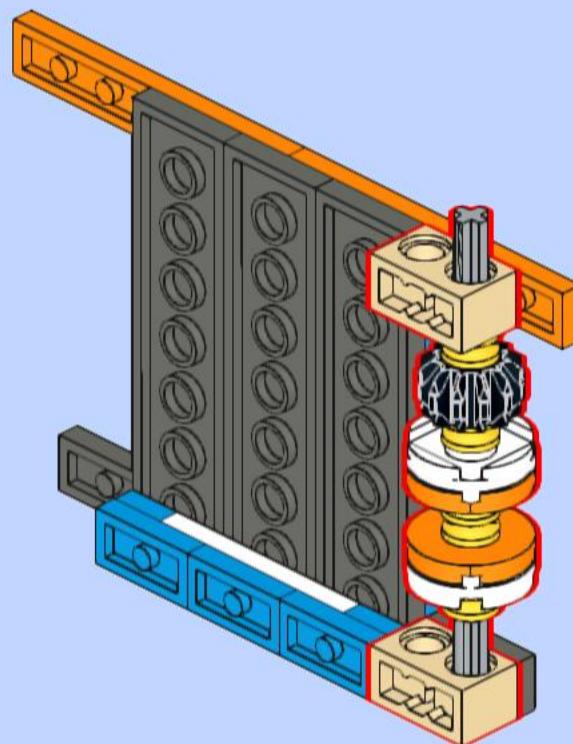
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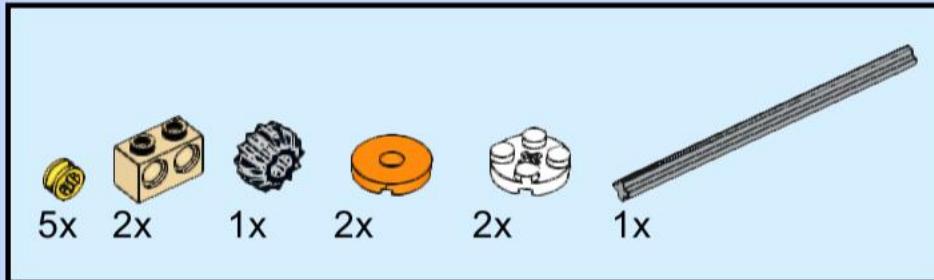
Tie a 1.6m length of ribbon as shown in the picture.



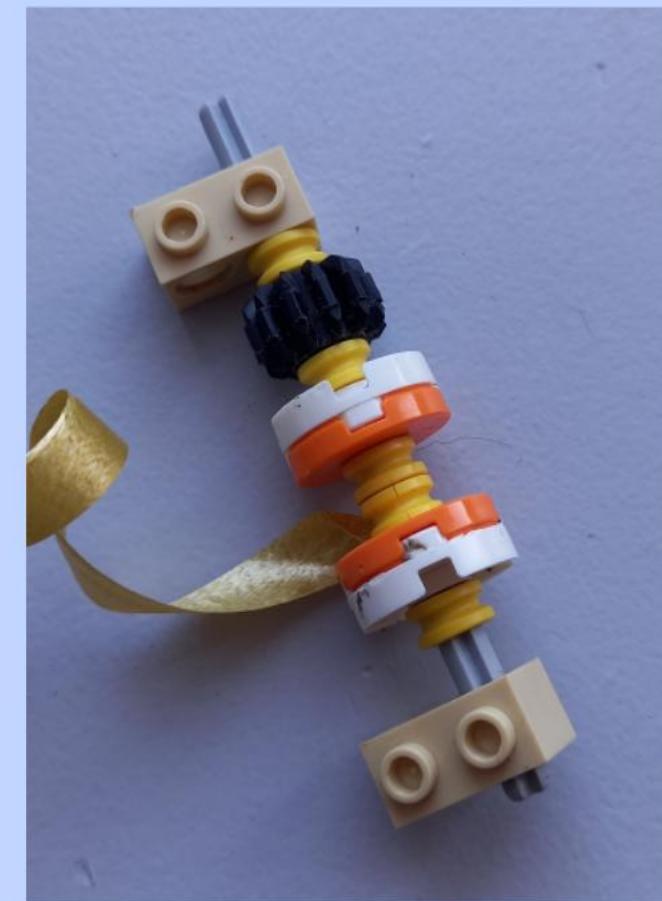
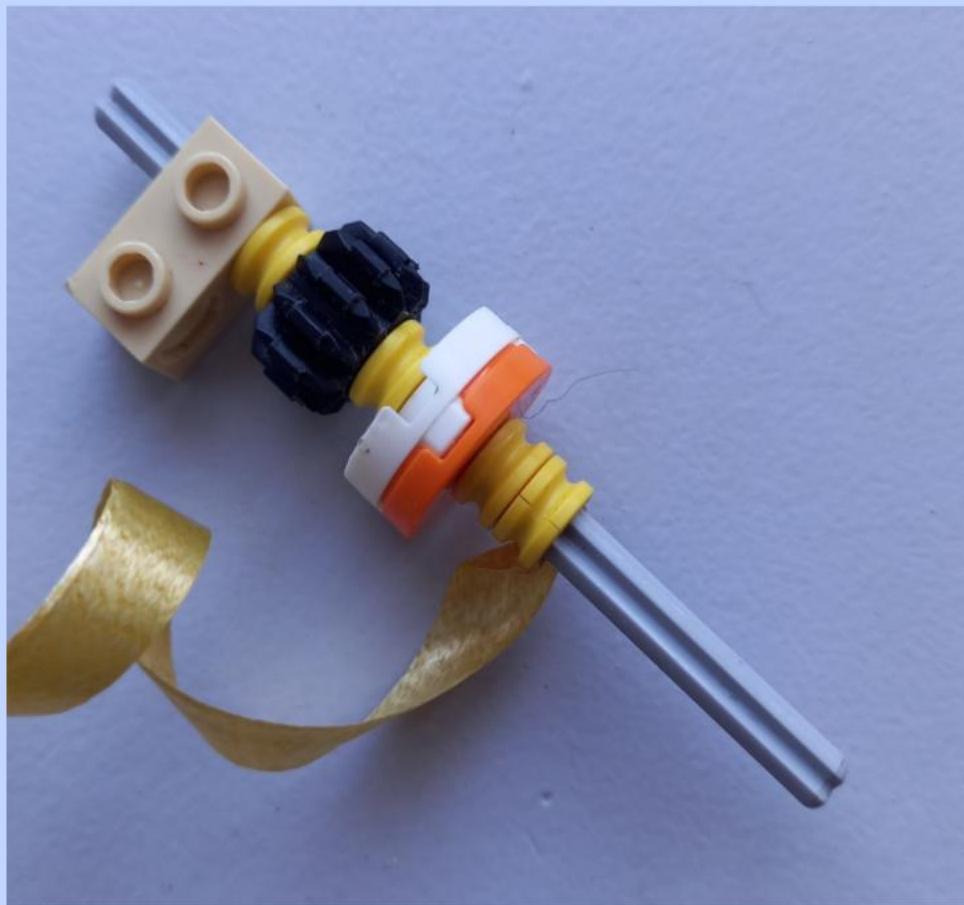
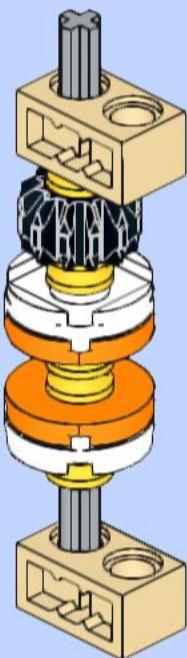
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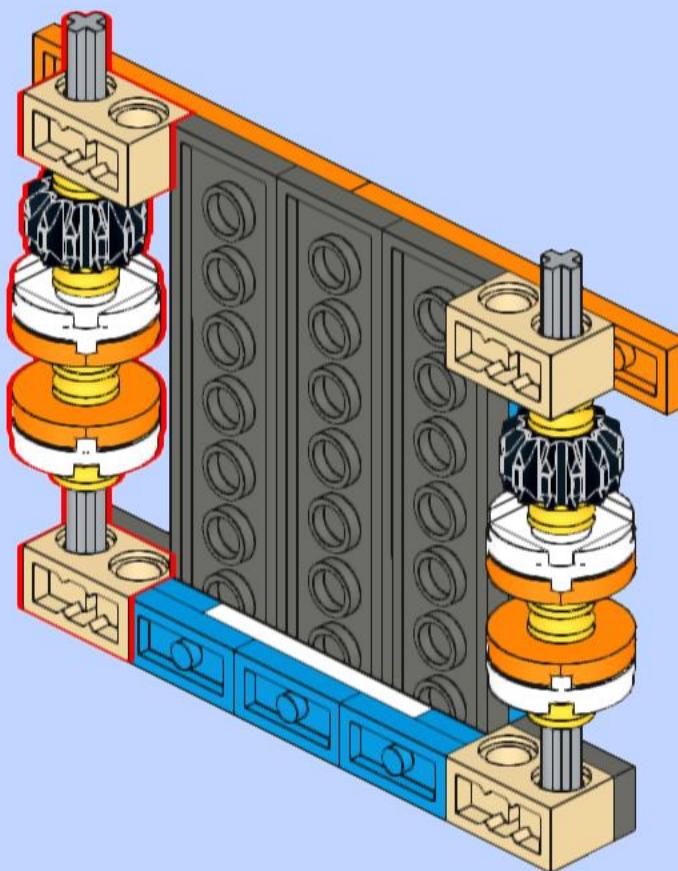
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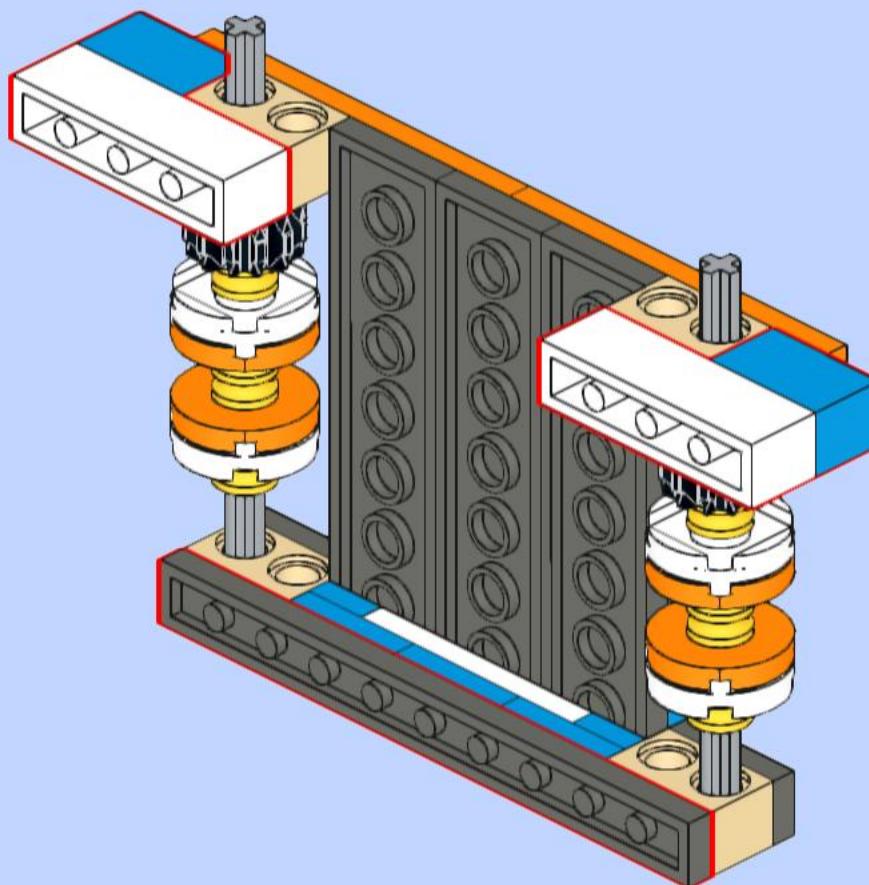
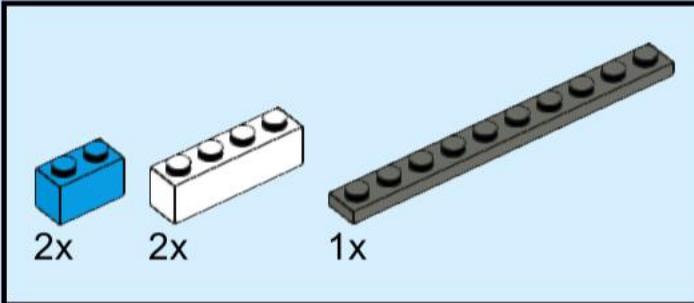
Tie a 1.6m length of ribbon as shown in the picture.



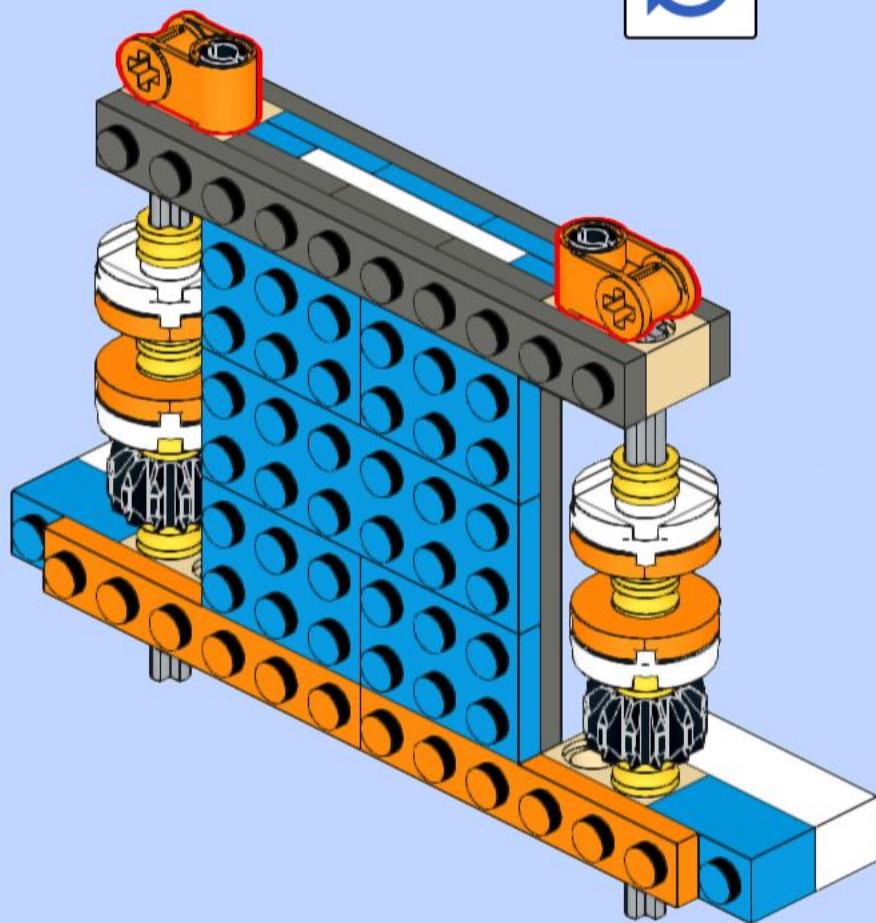
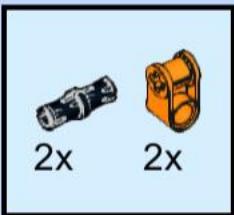
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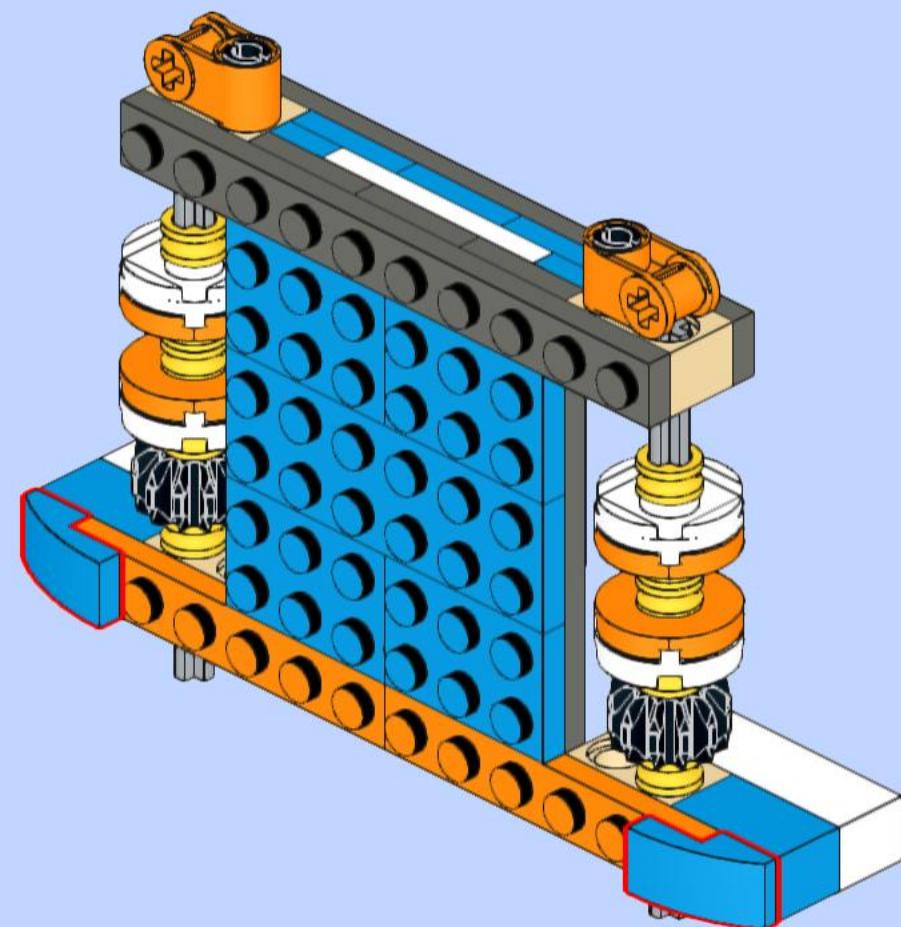
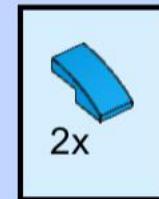
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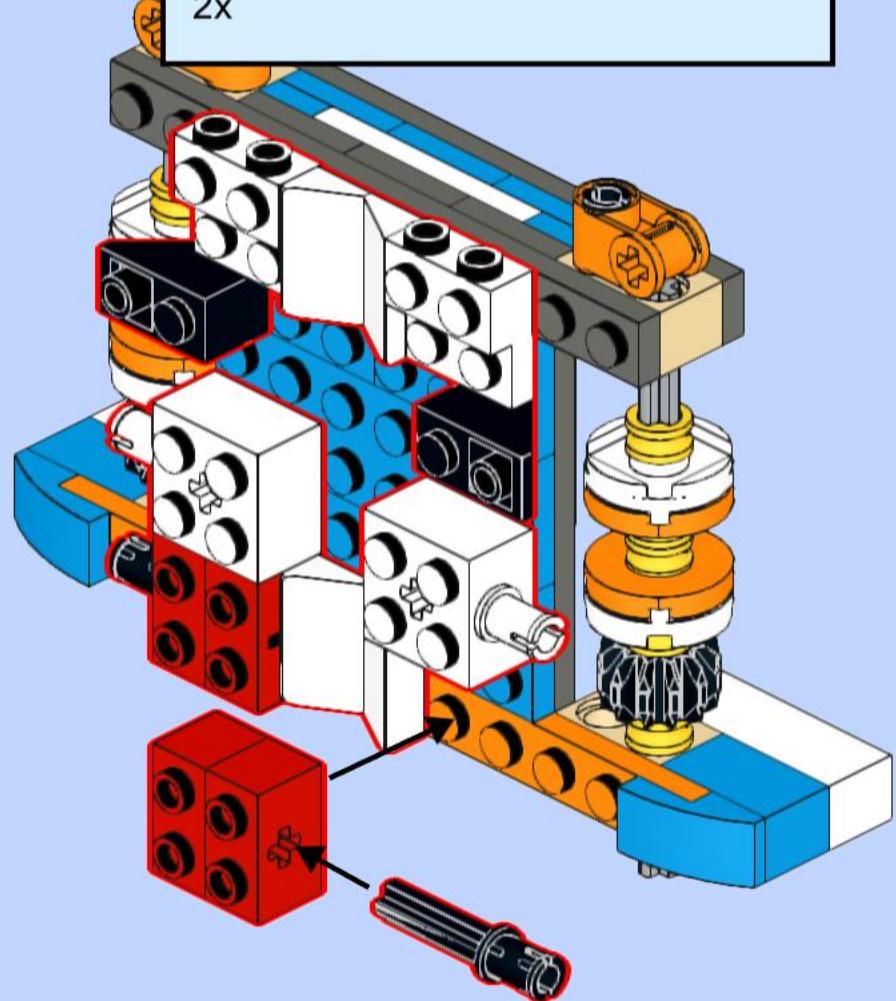
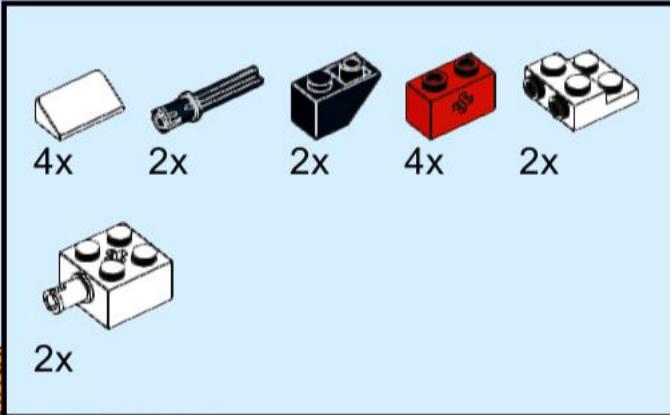
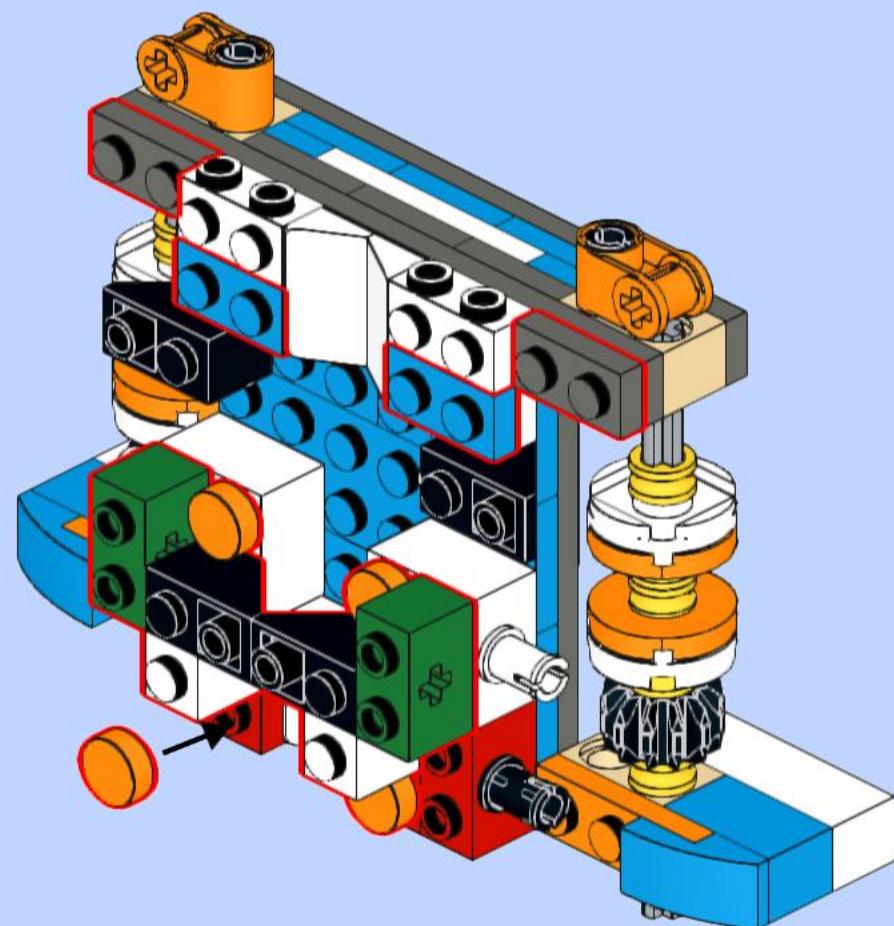
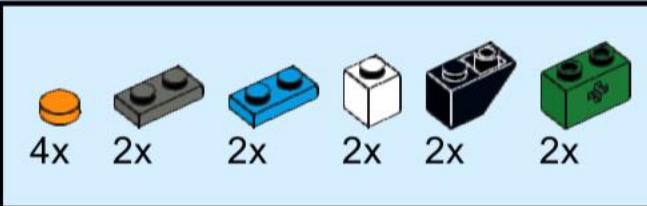


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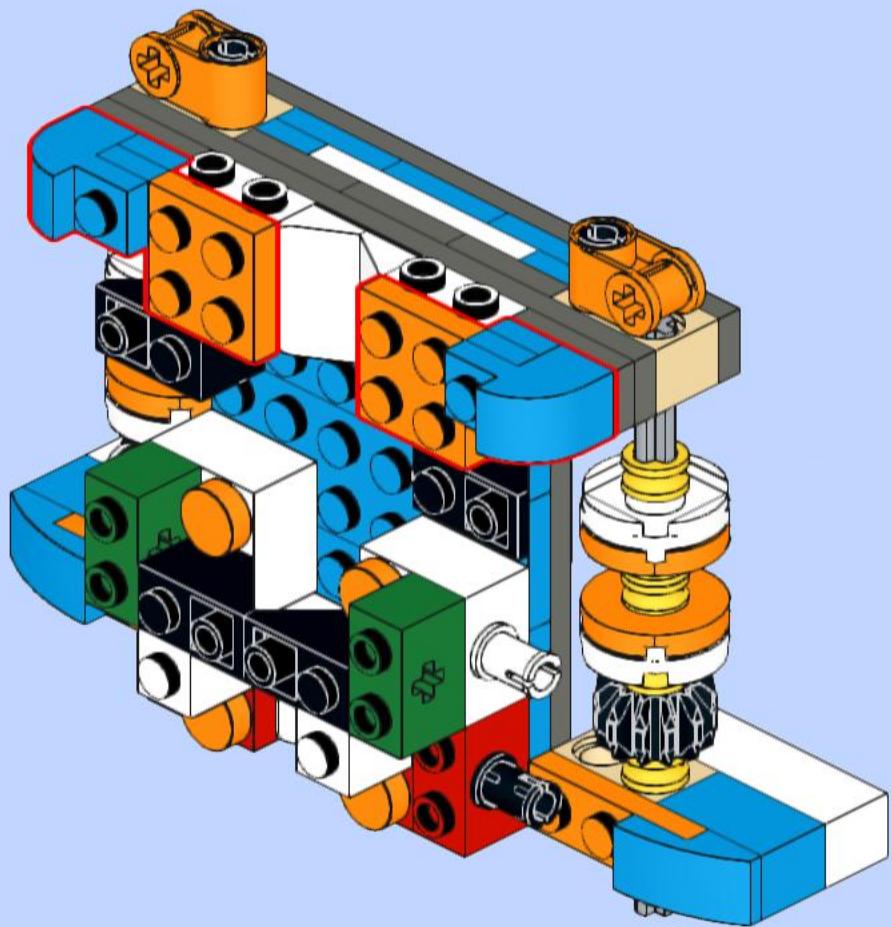
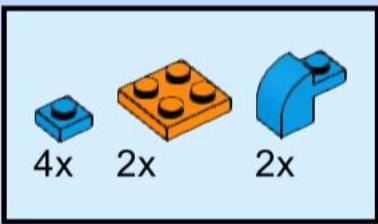


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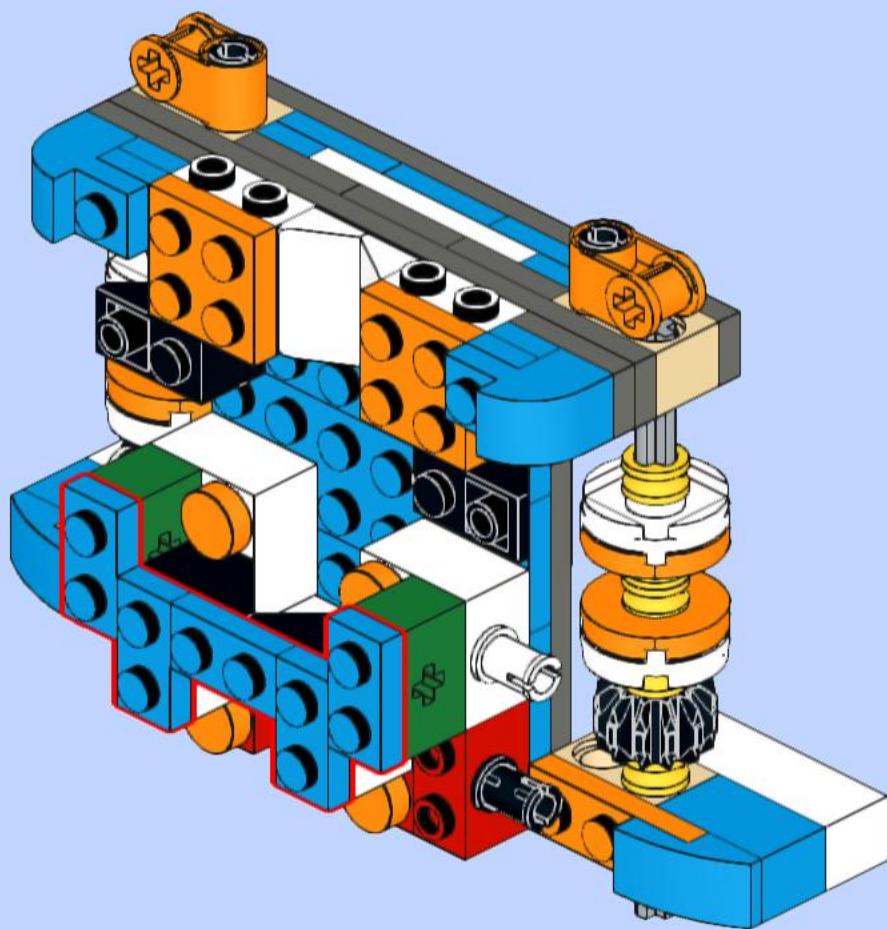


67**68**

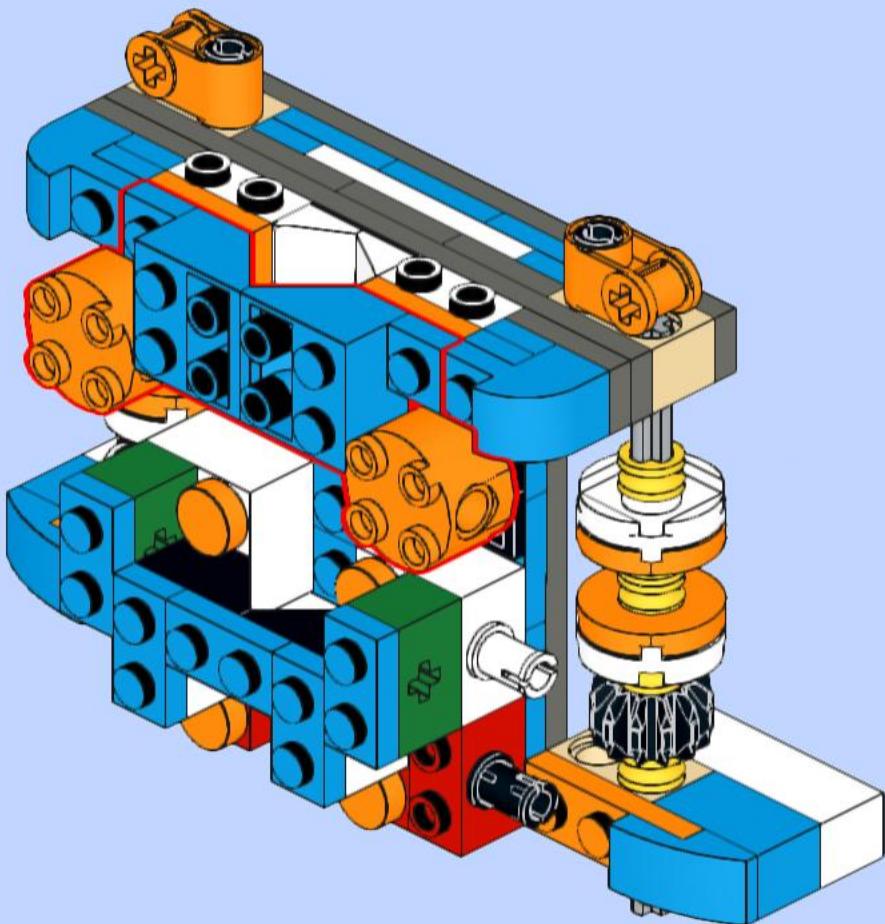
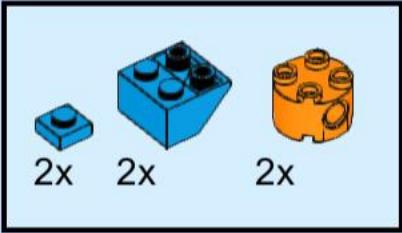
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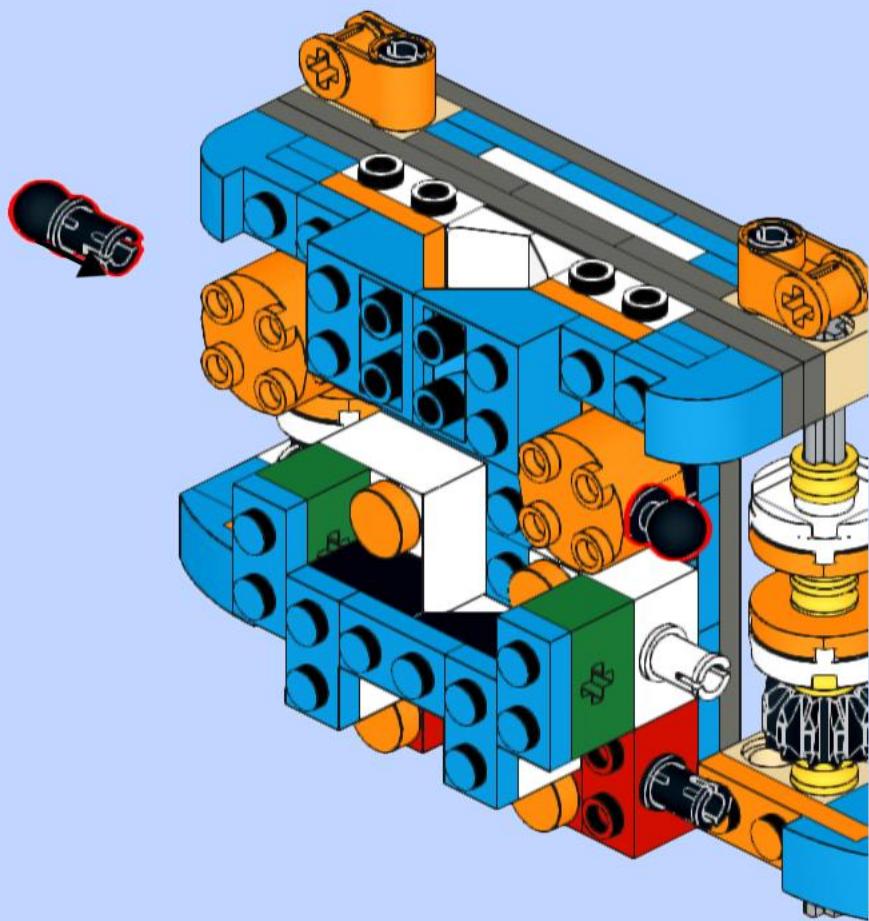
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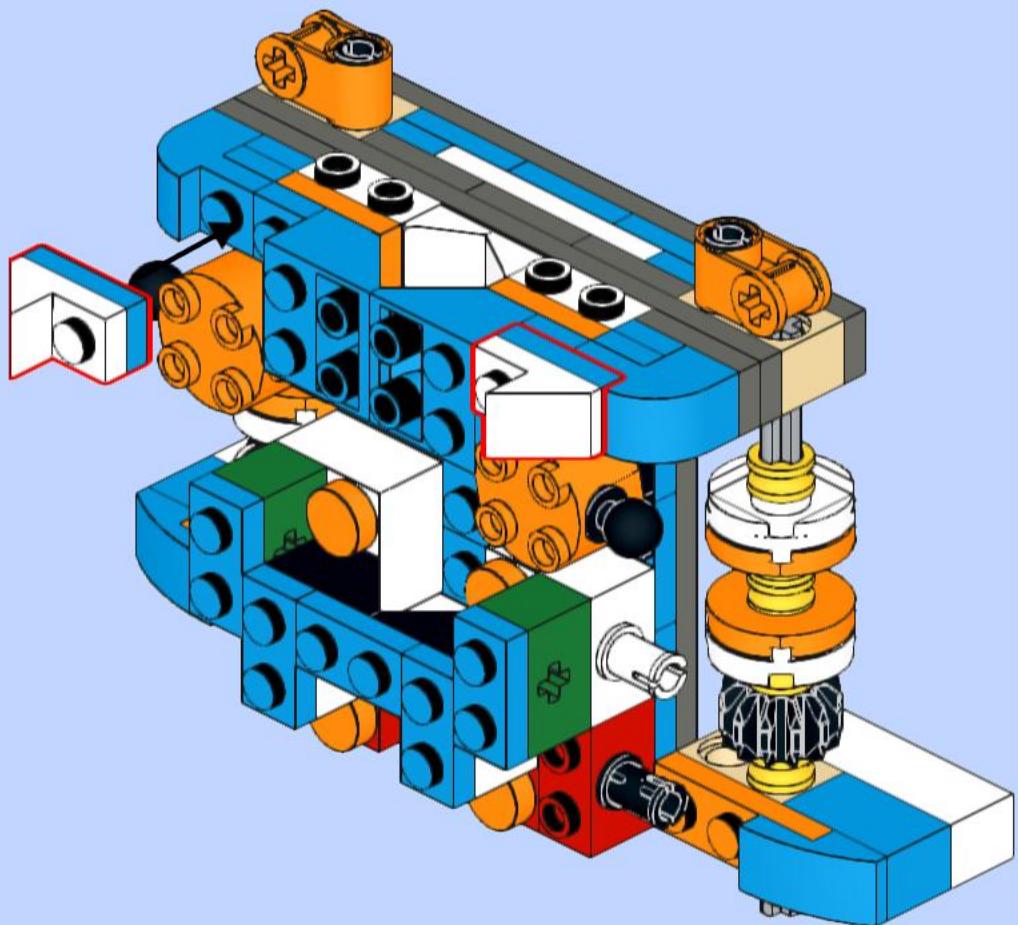
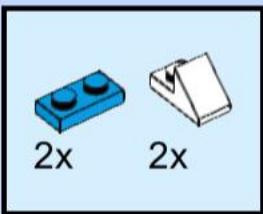
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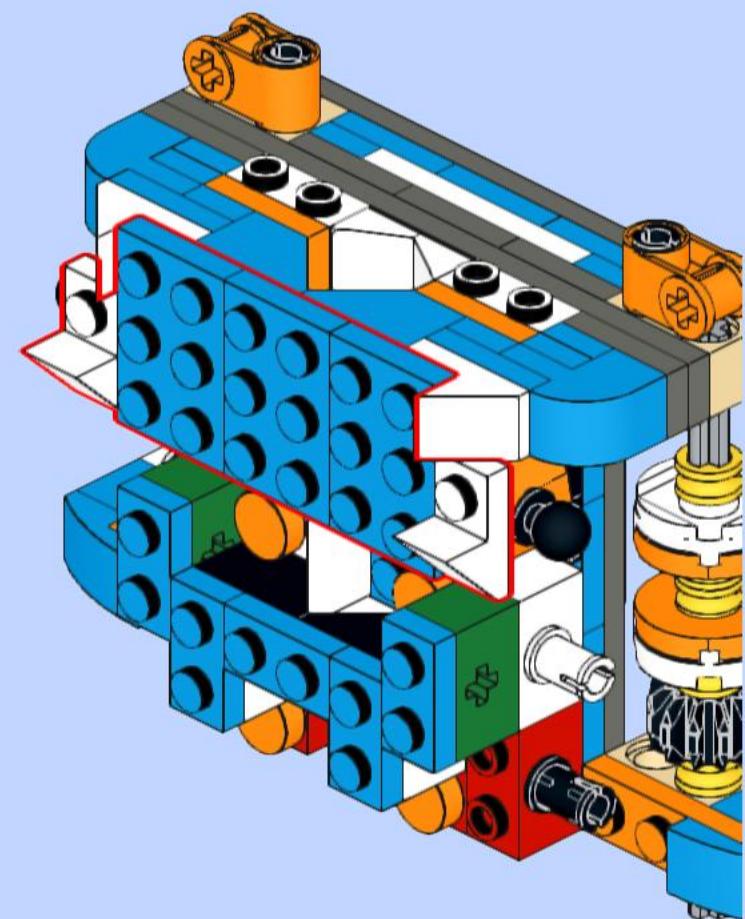
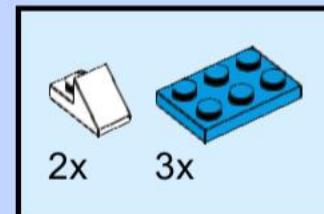
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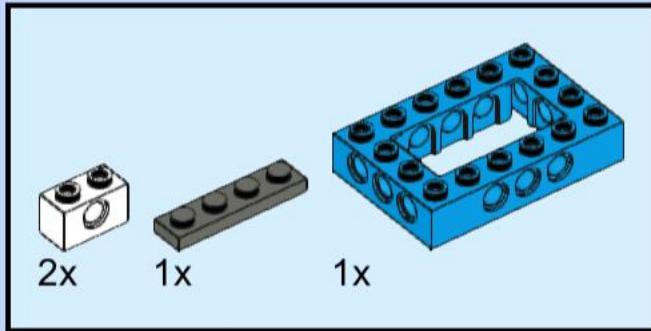
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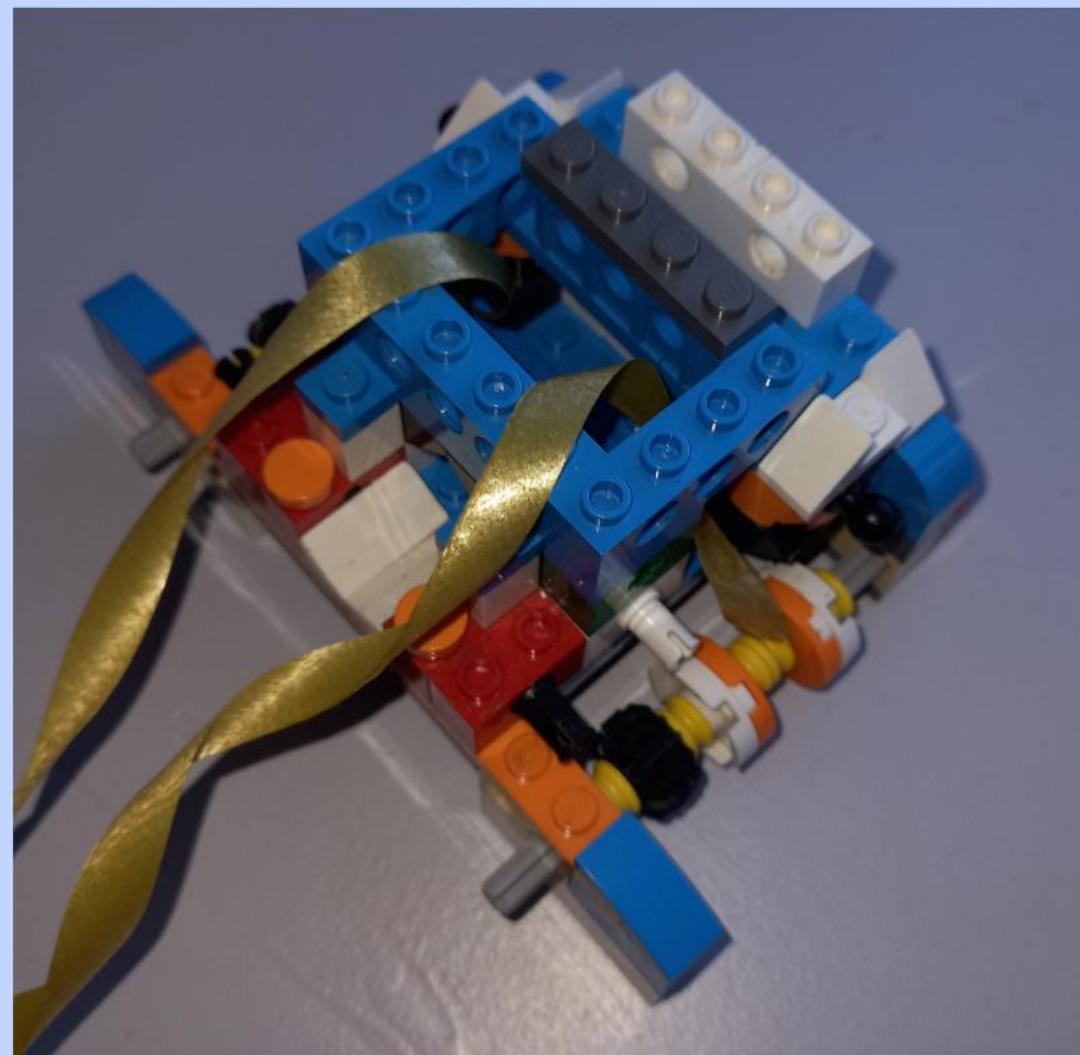
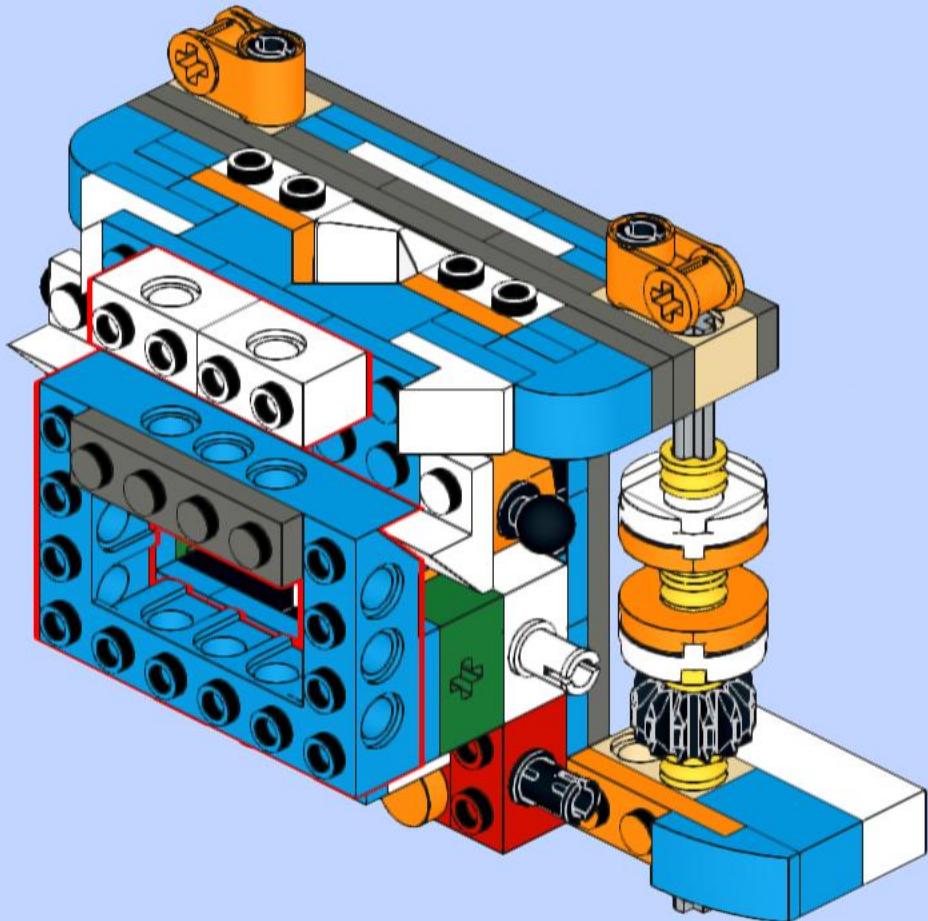
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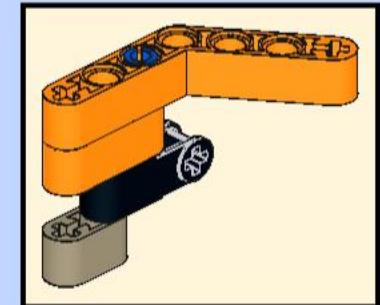
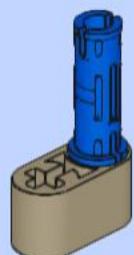
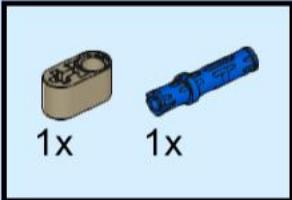
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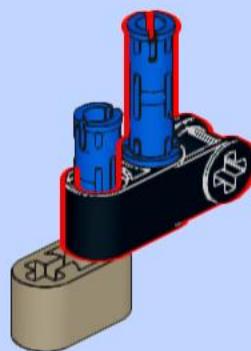
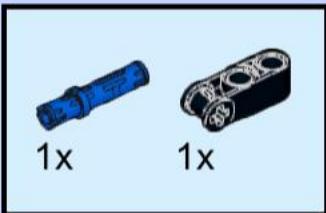
Pass the ribbons through the rectangular piece.



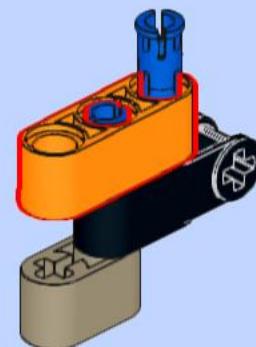
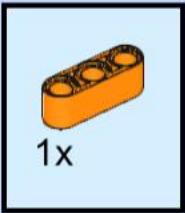
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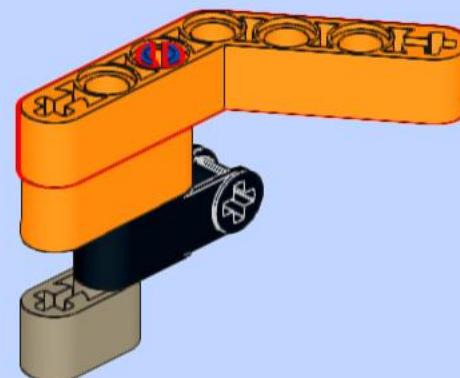
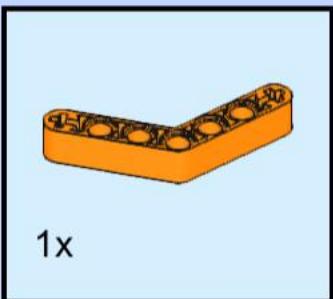
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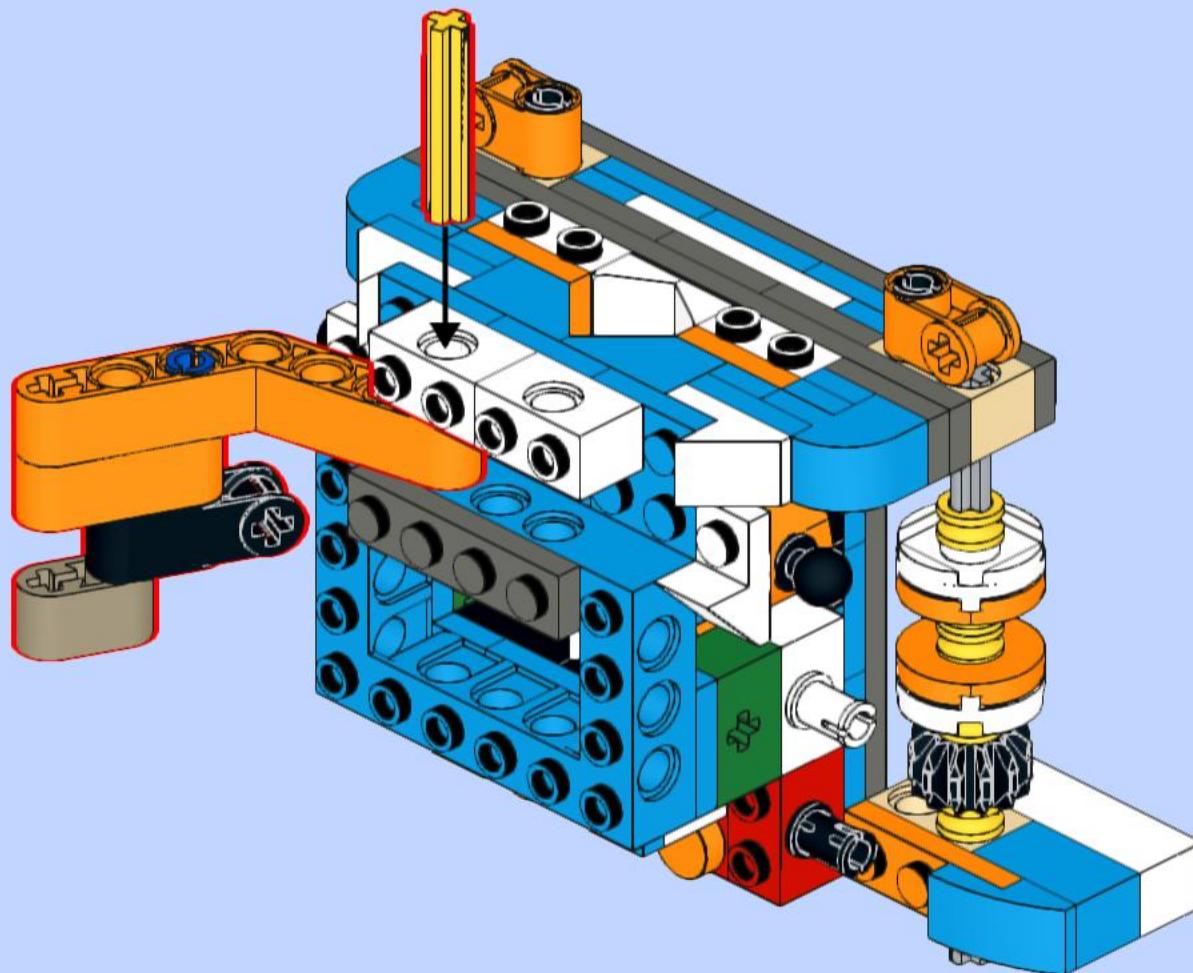
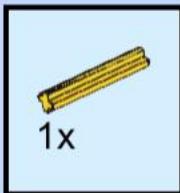
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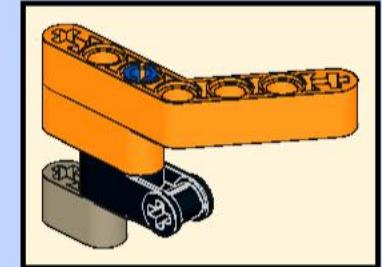
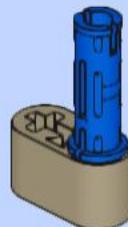
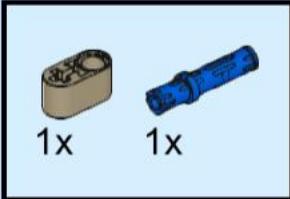
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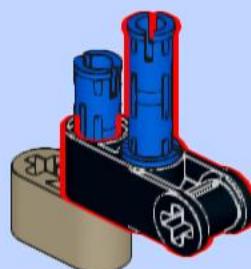
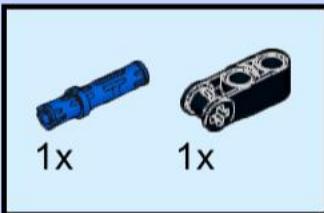
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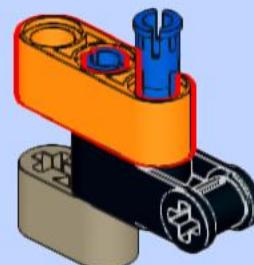
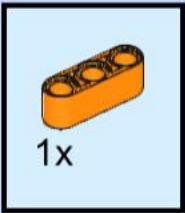
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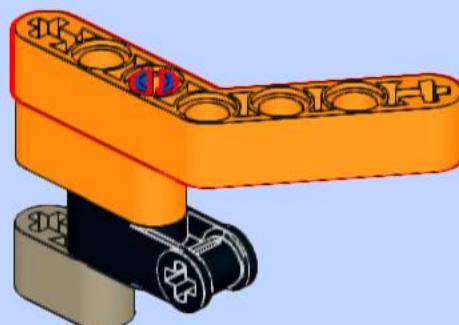
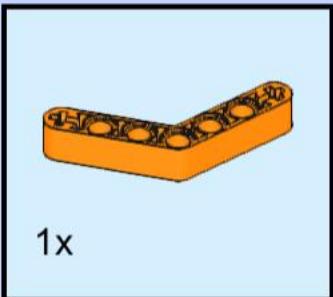
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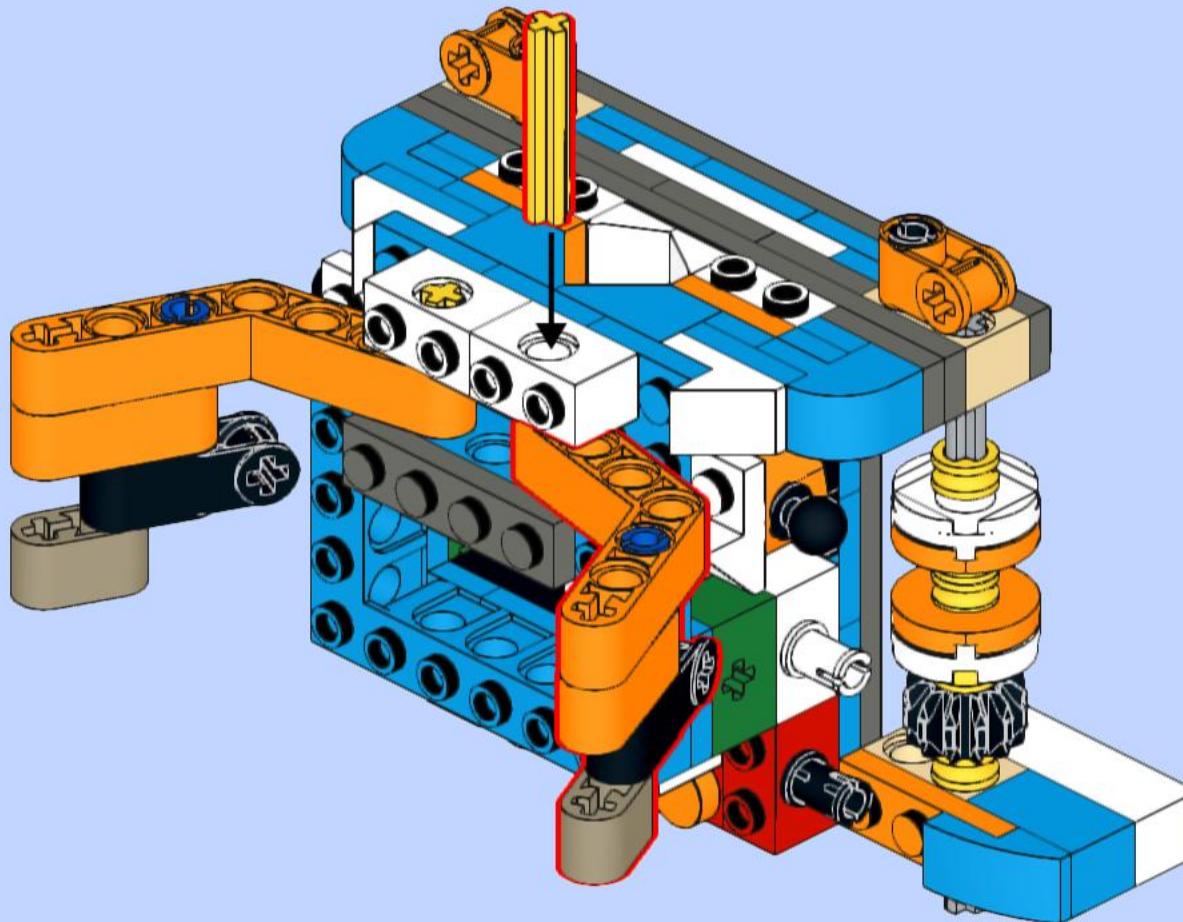
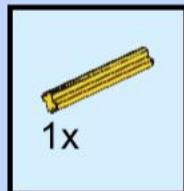
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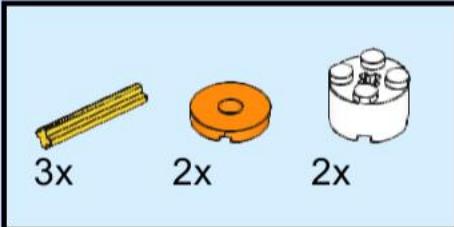
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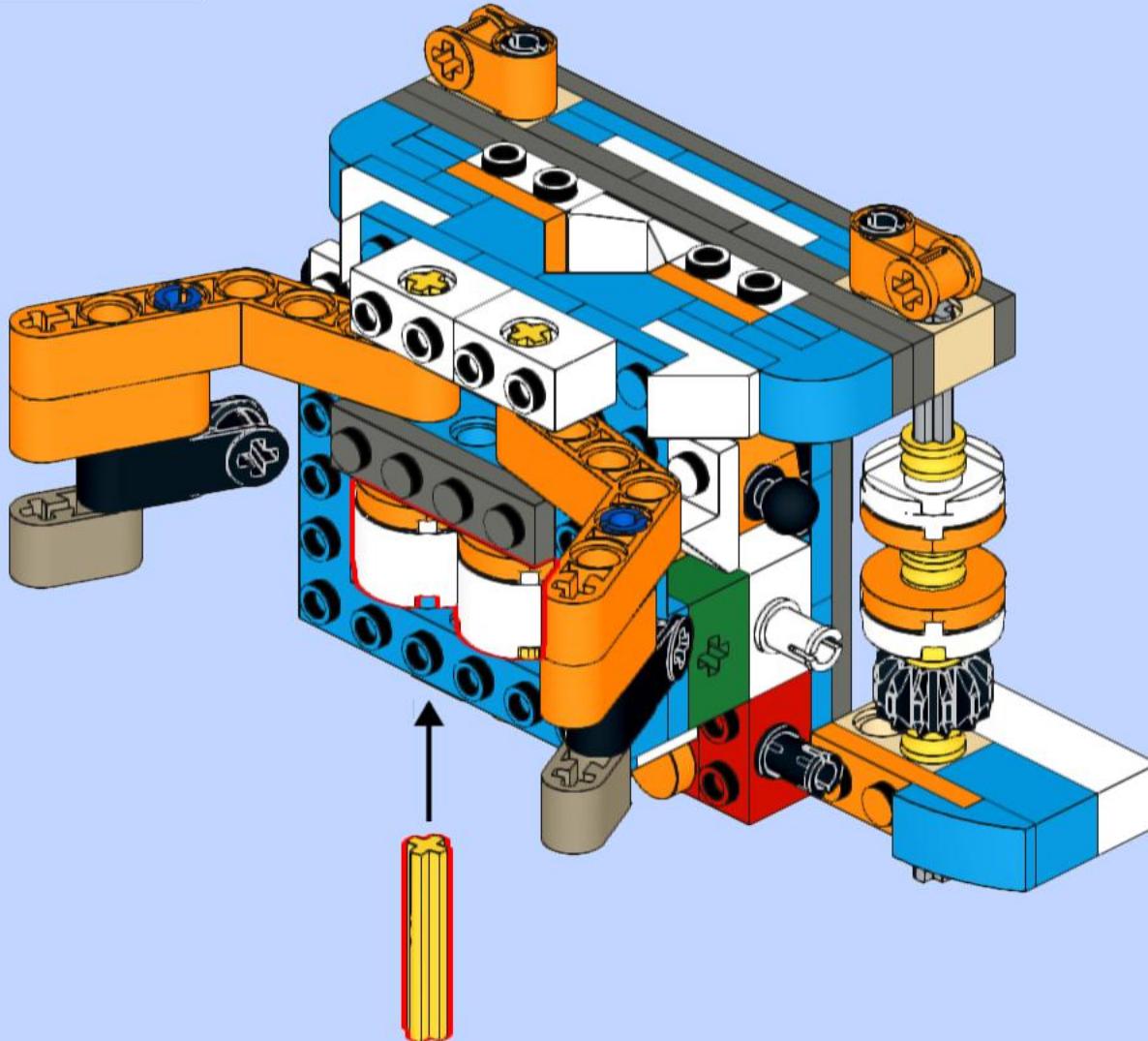
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86

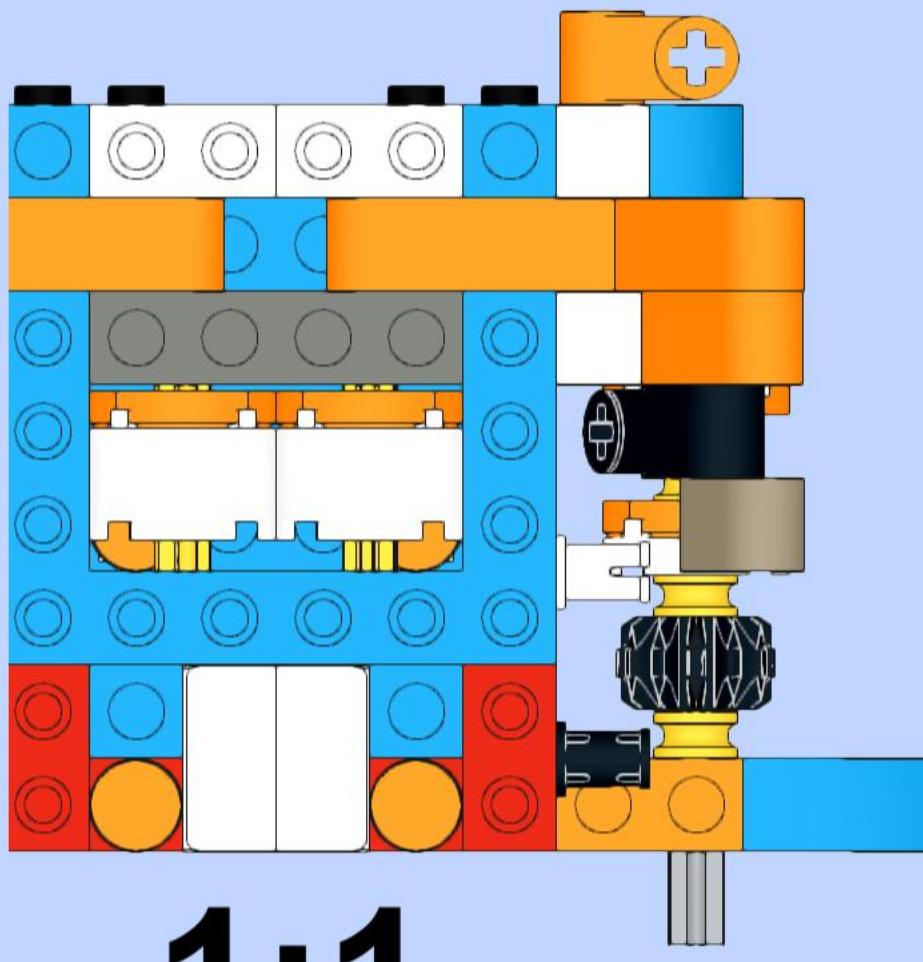


Pass the ribbons between the rolls as shown in the next step.

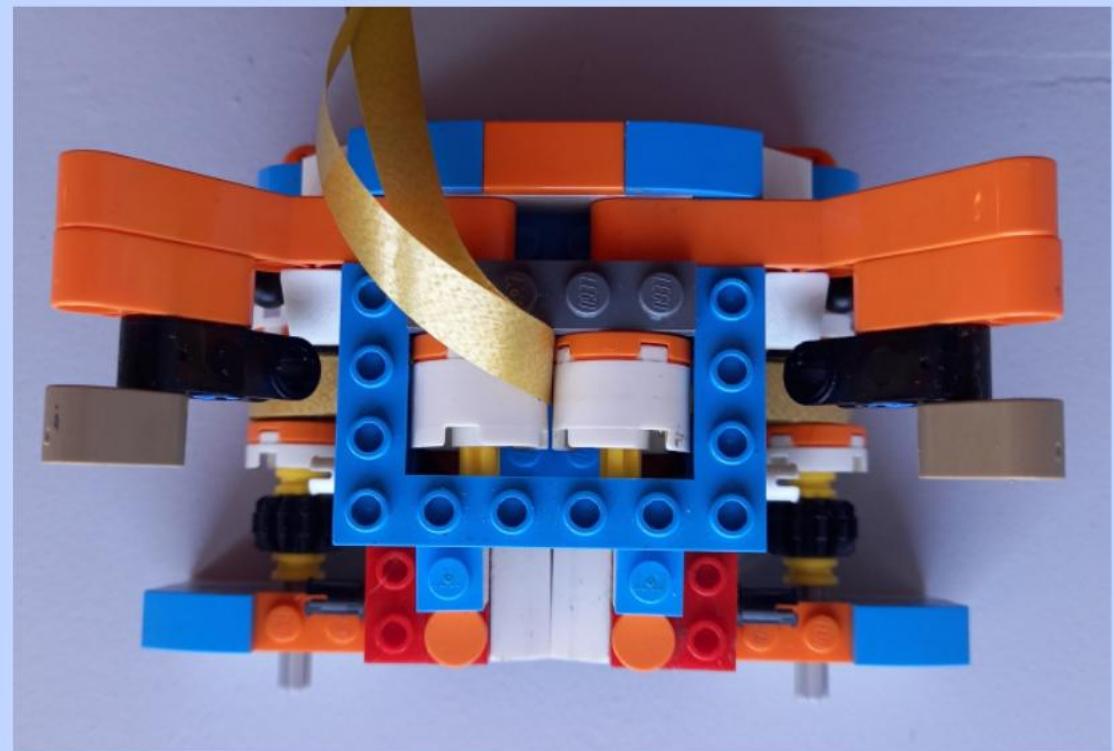


87

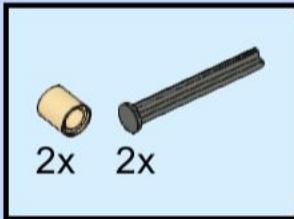
The ribbons must not be bent.



1:1

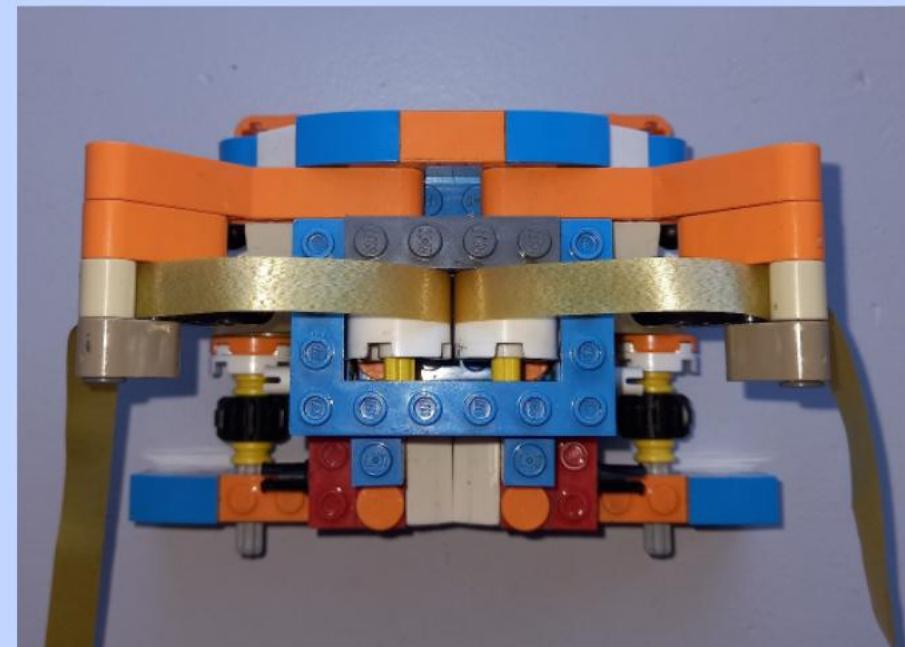
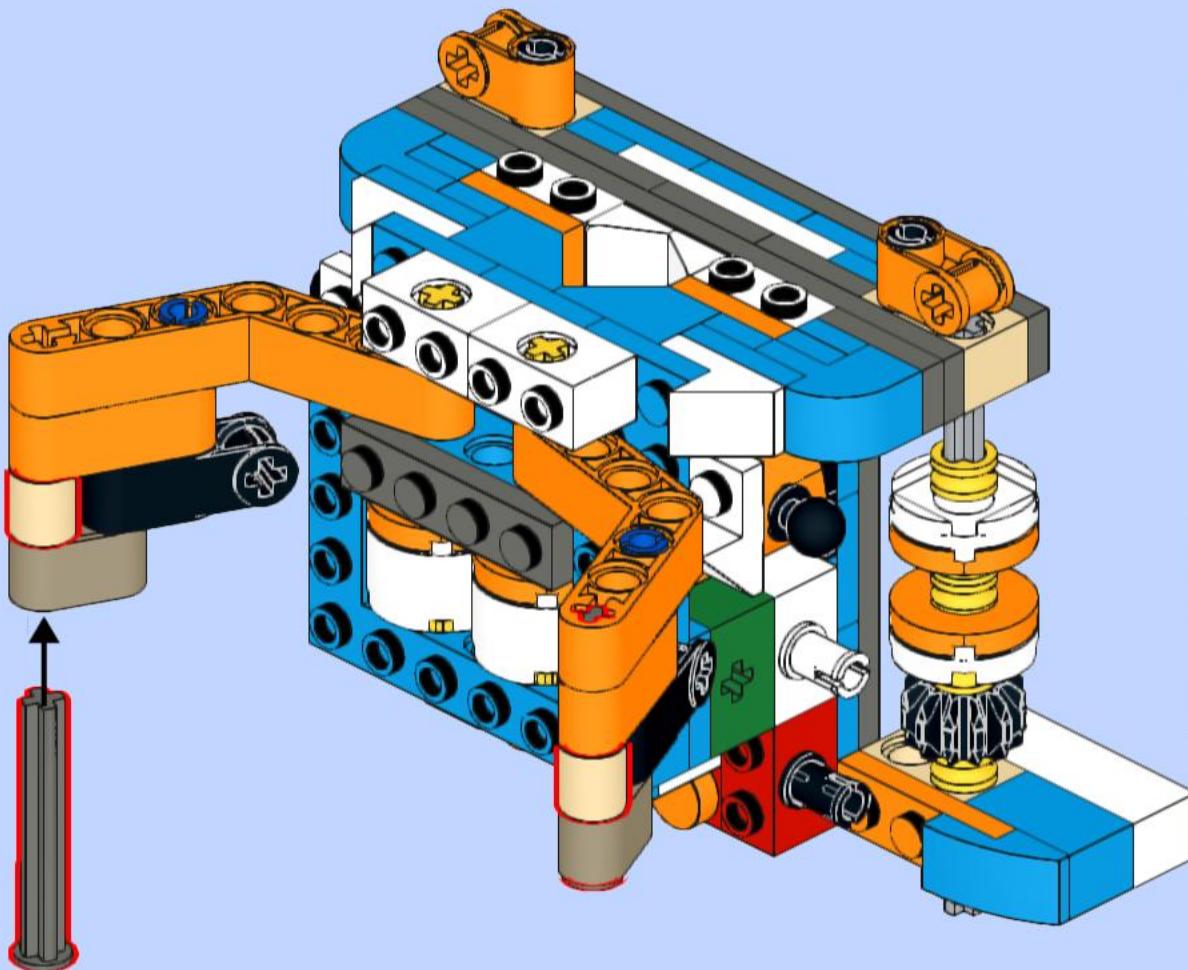


88

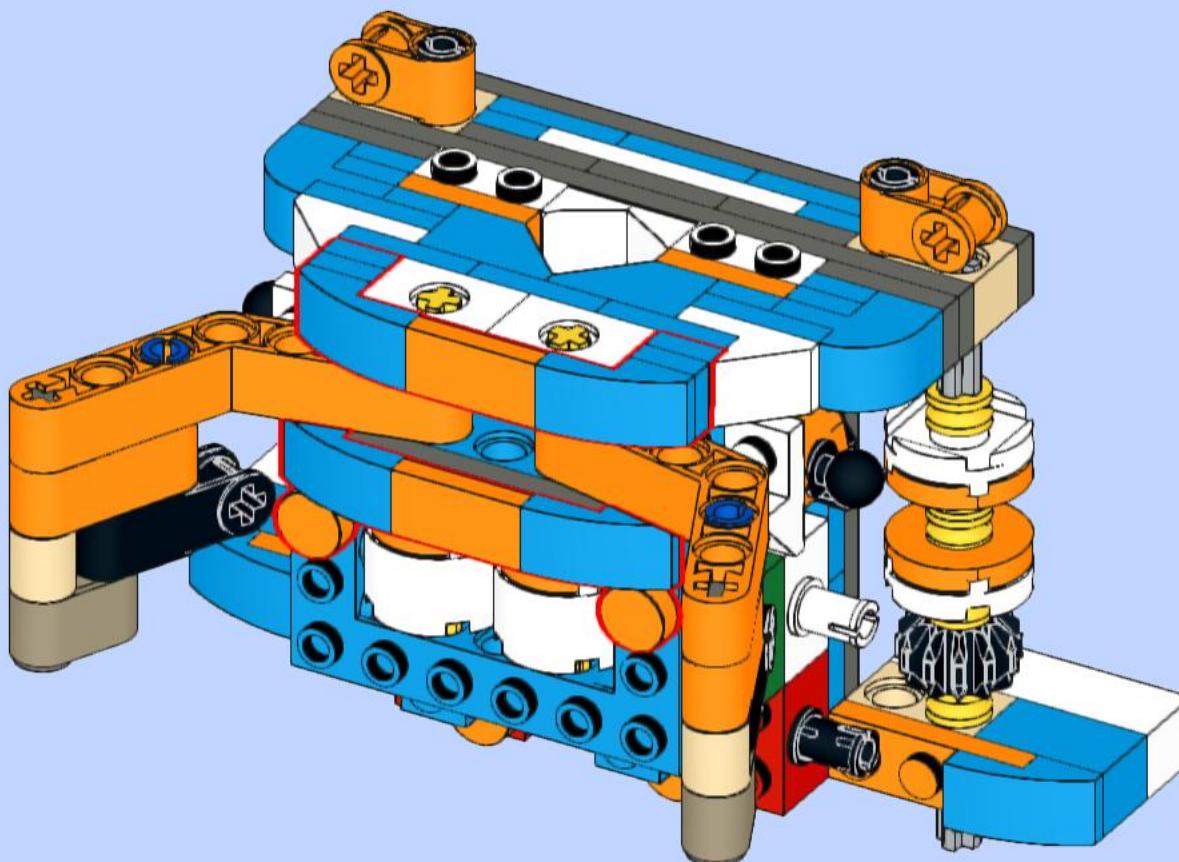
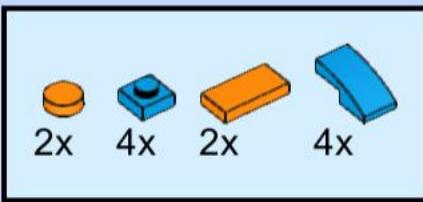


Pass the ribbons through the clips as shown in the picture.

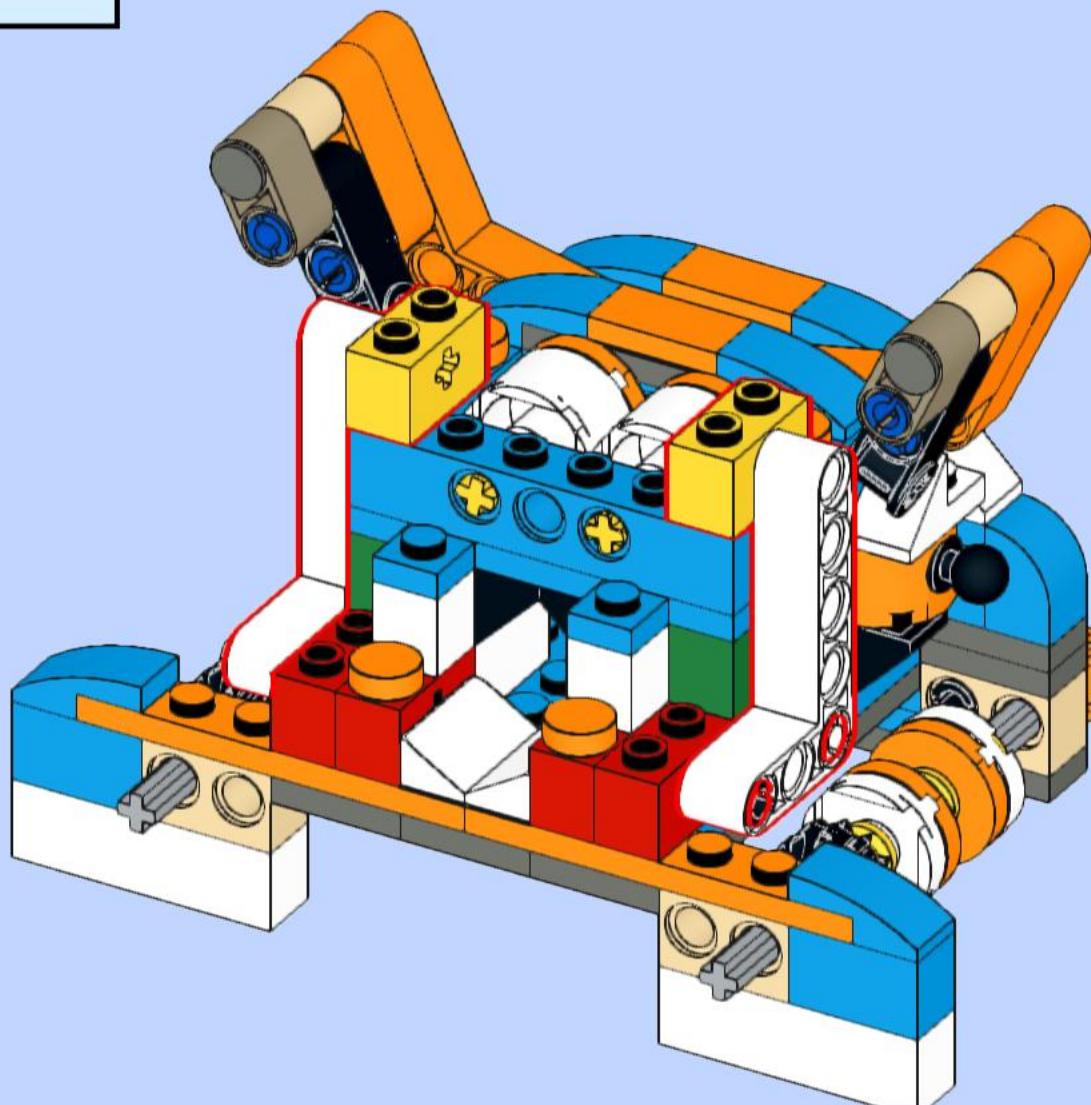
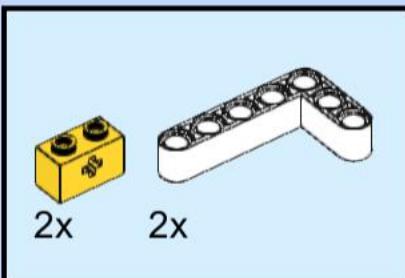
On each side, attach a suction cup to the tape 1.5m from the two rolls side by side when the winches are fully unrolled.



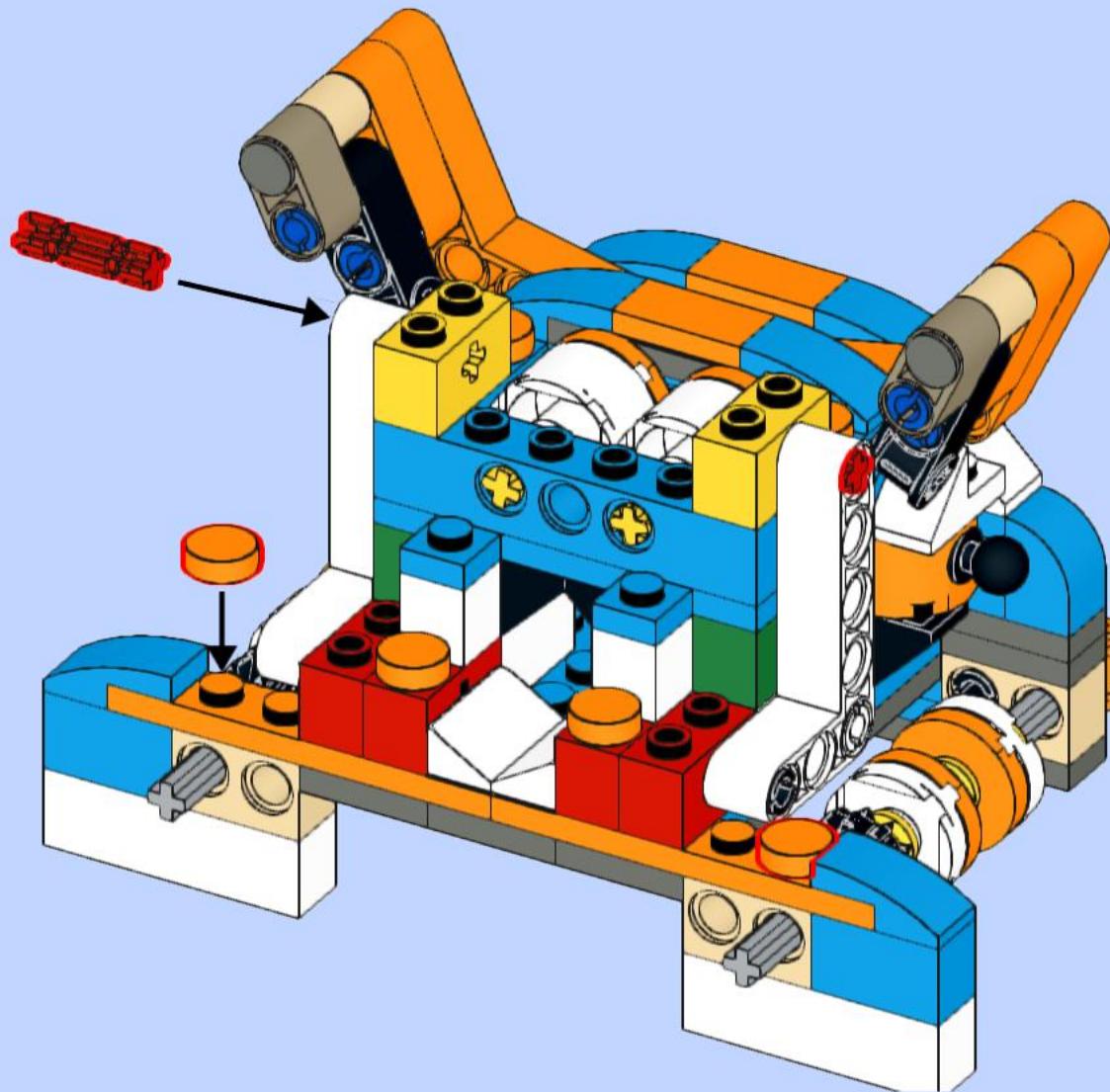
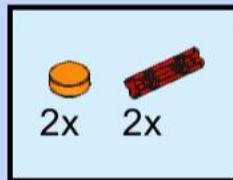
89



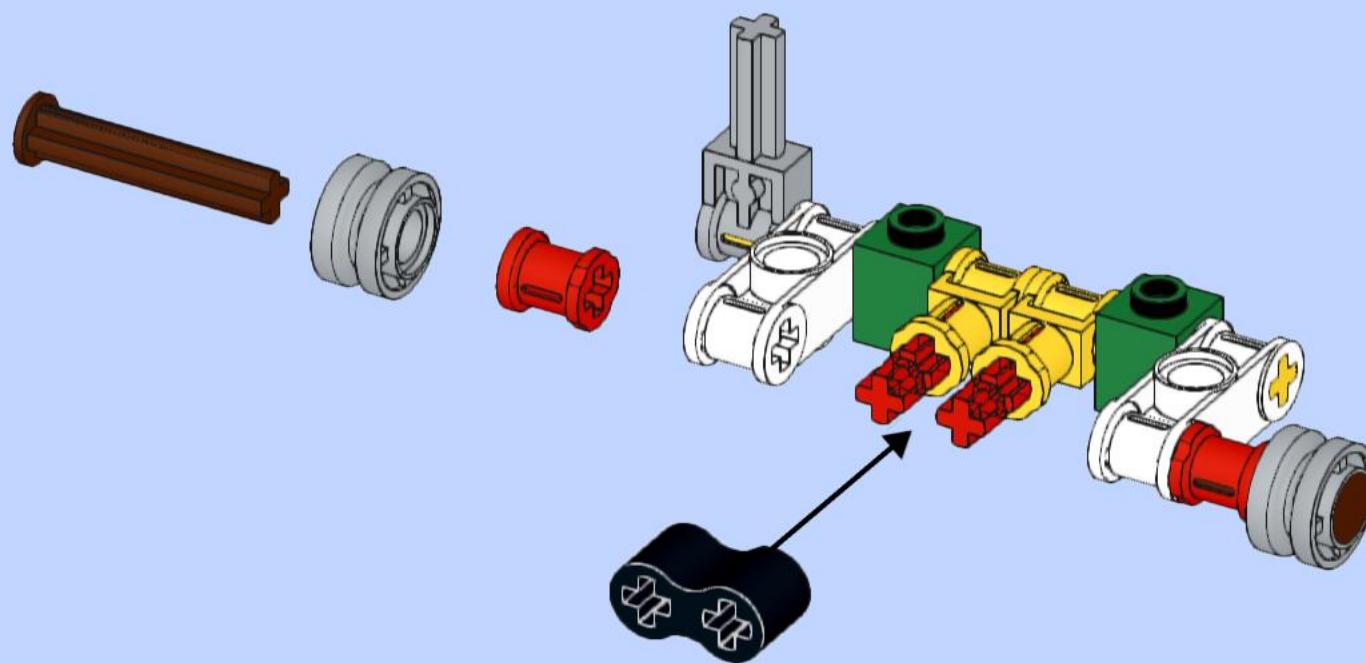
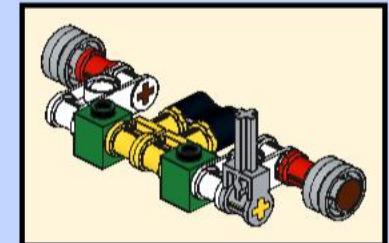
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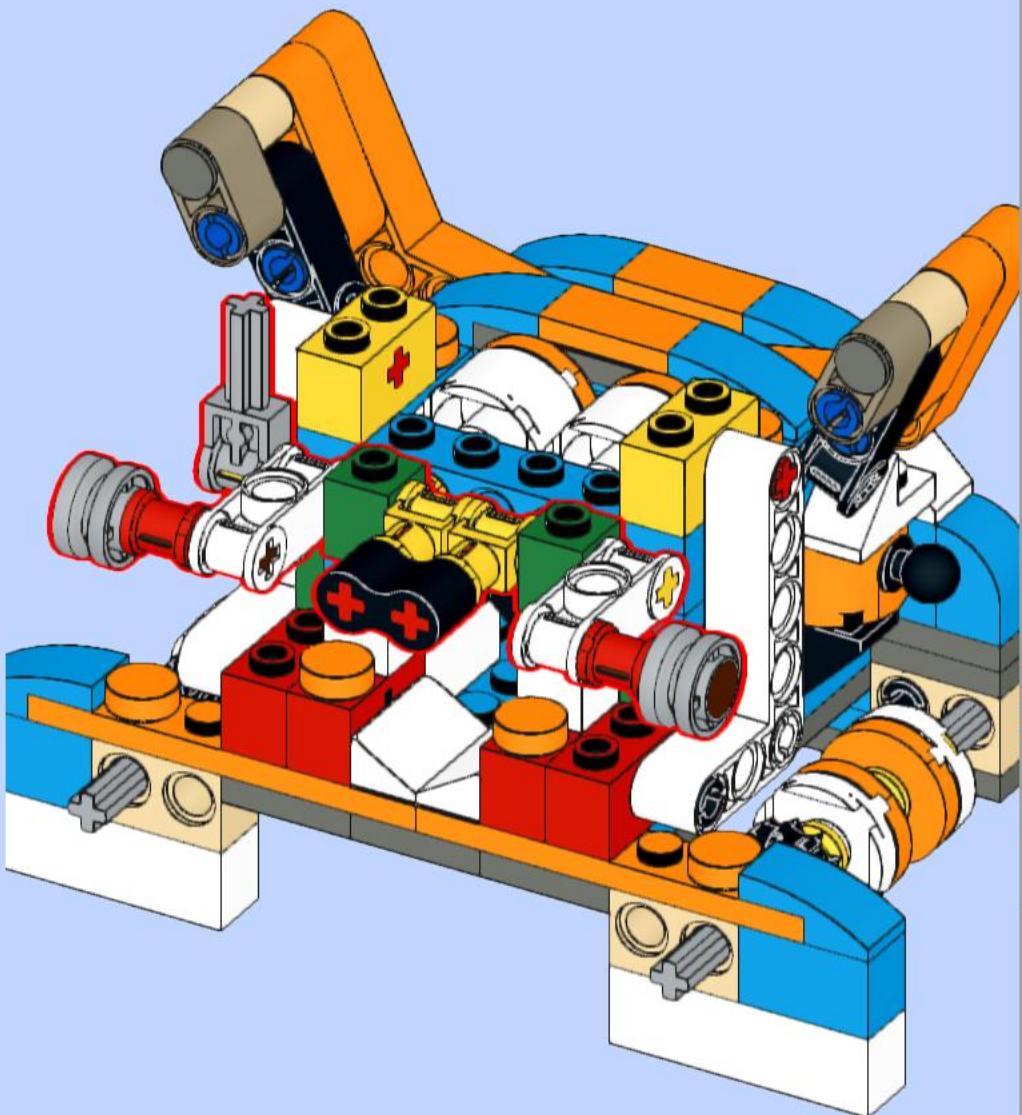
91



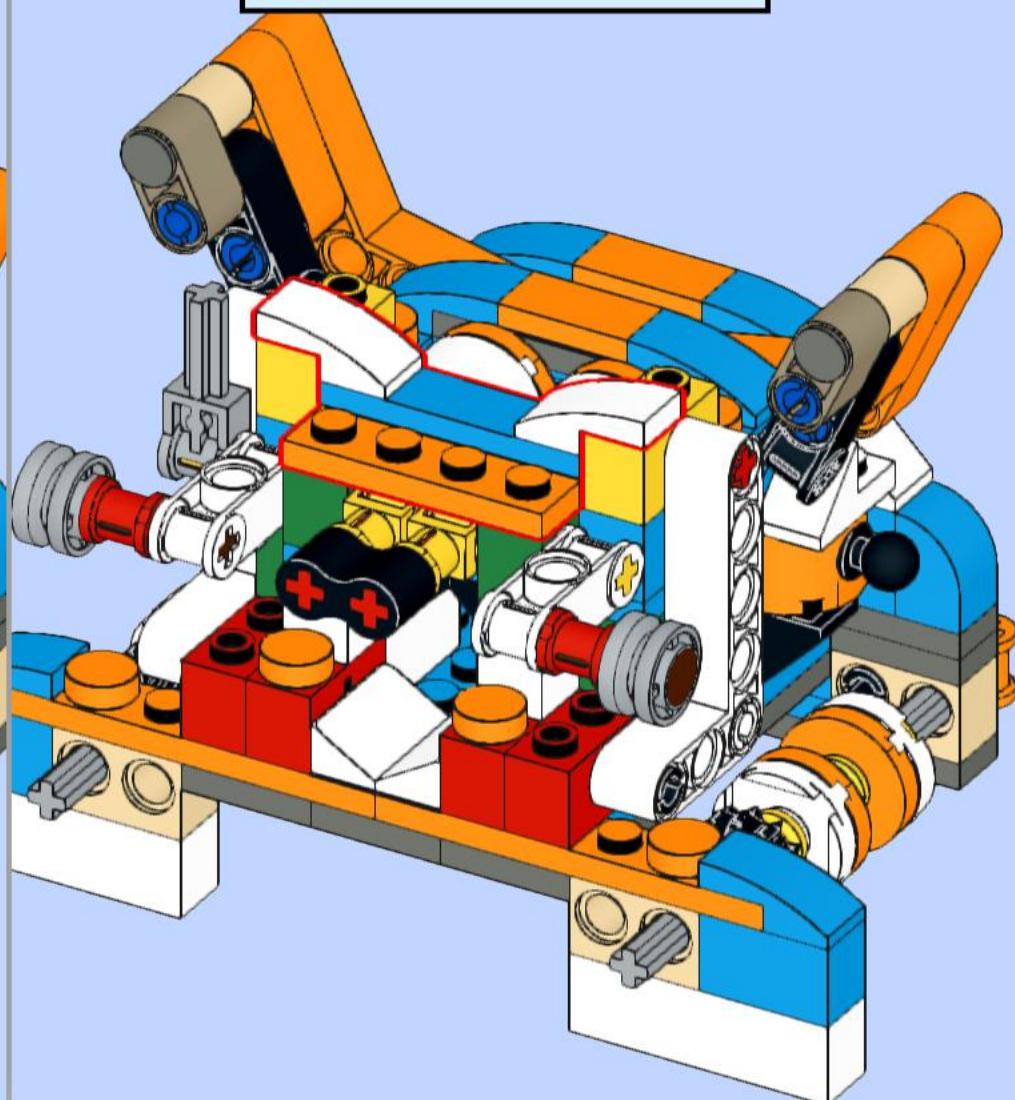
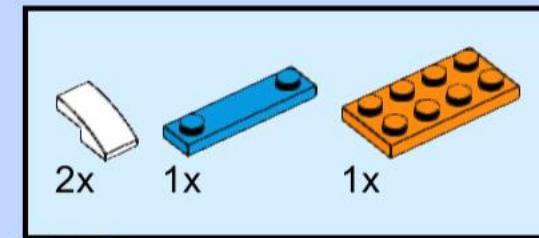
92



93

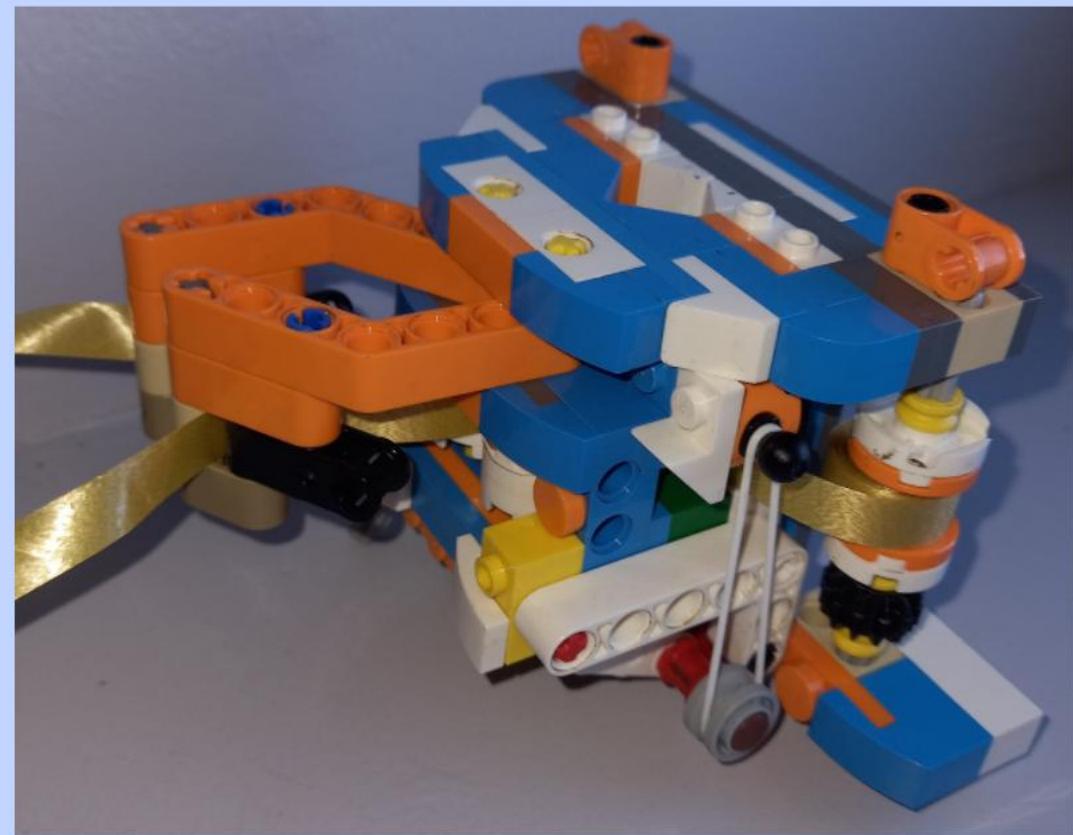
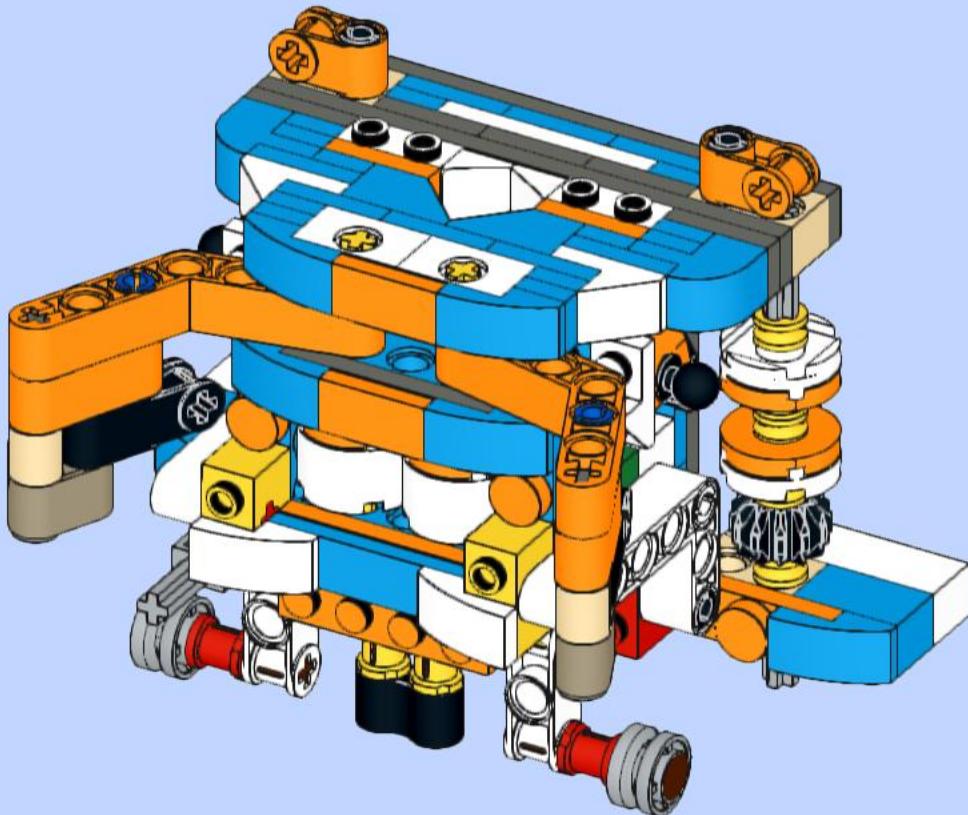


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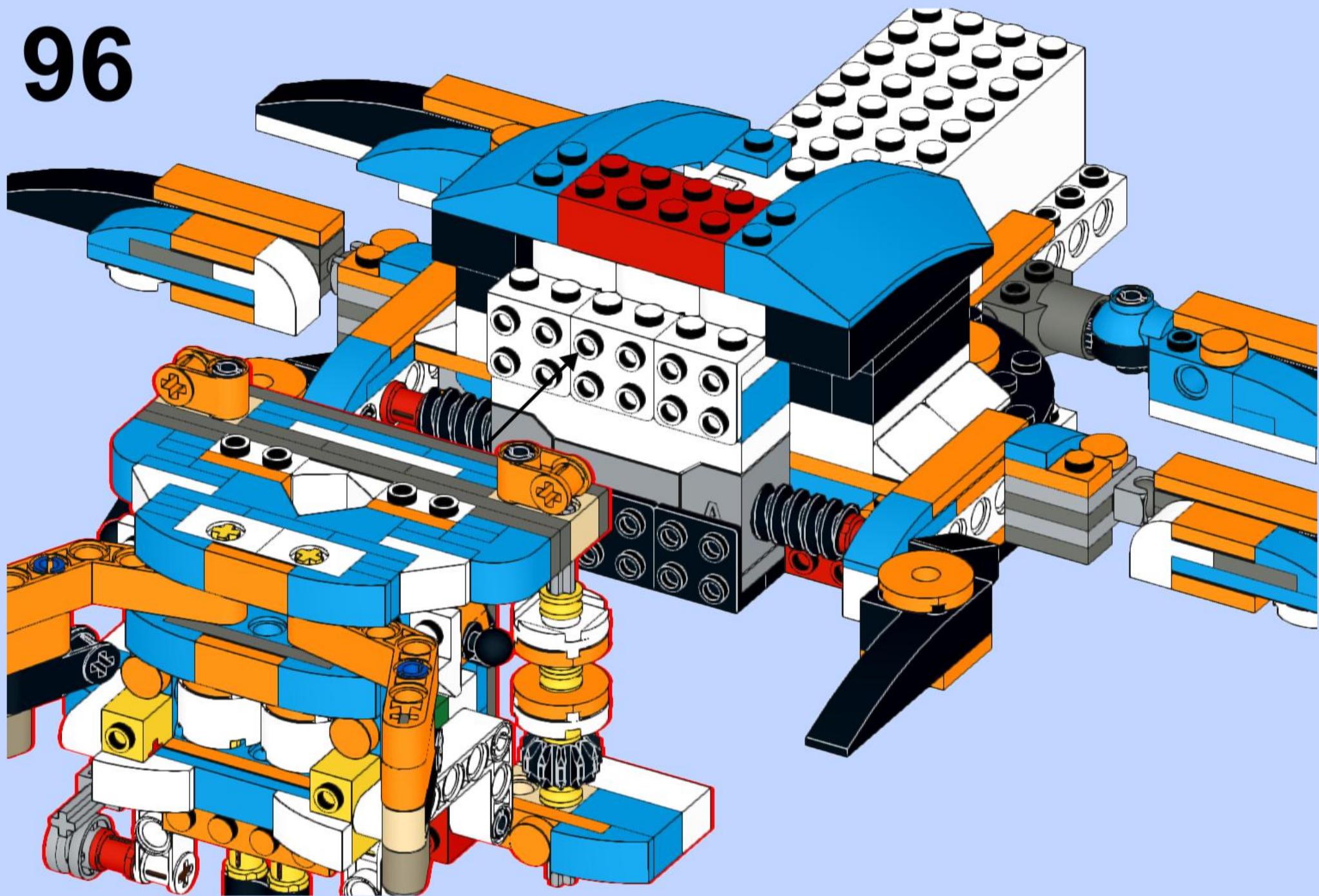


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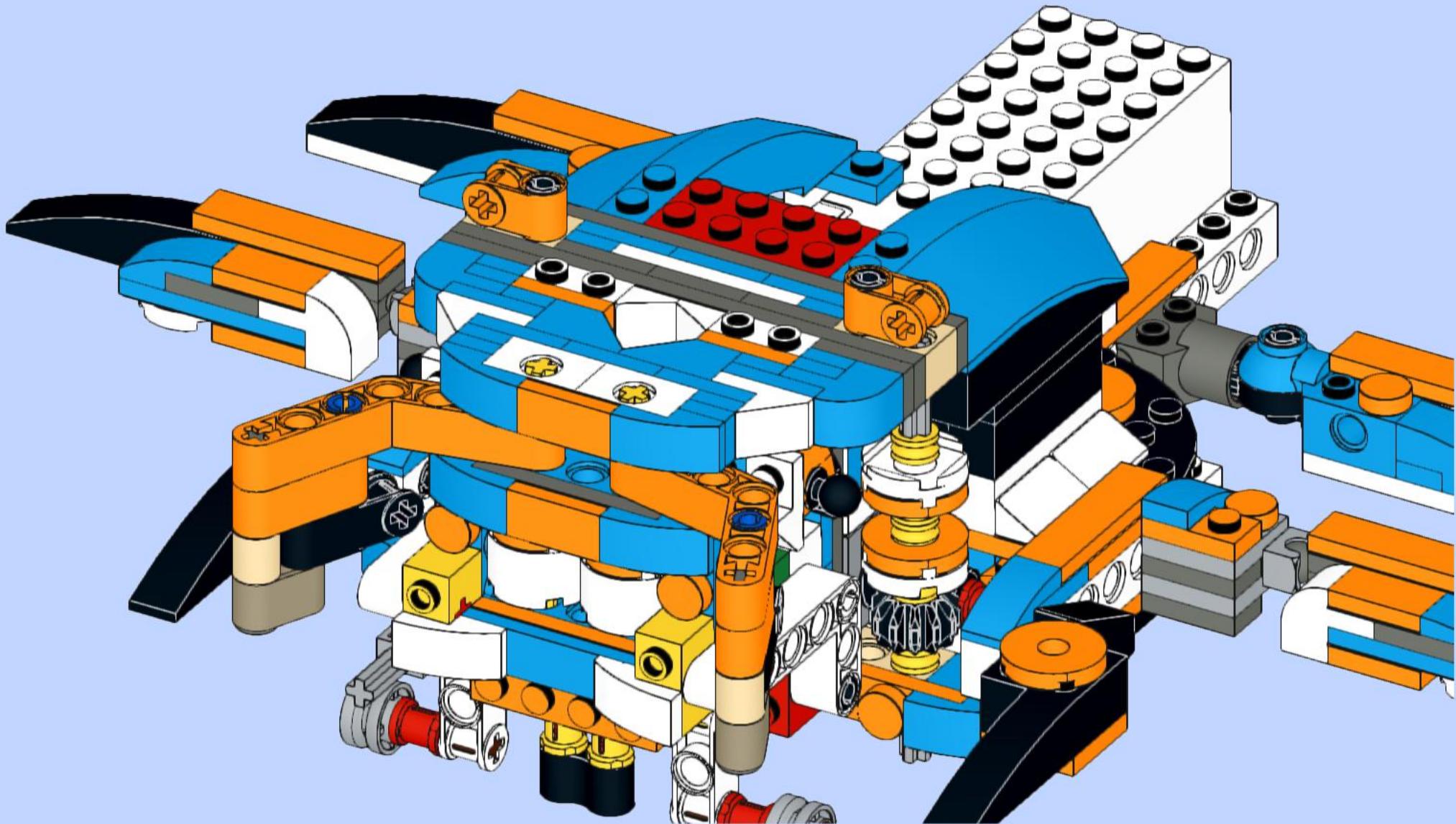
Put the rubber bands on each side as shown in the photo.



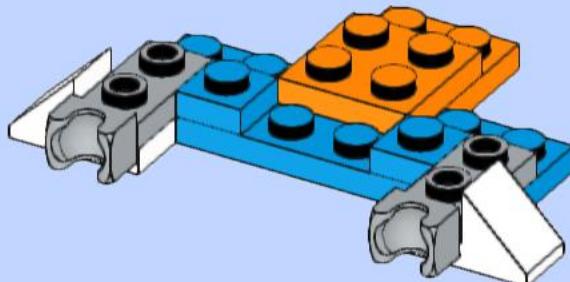
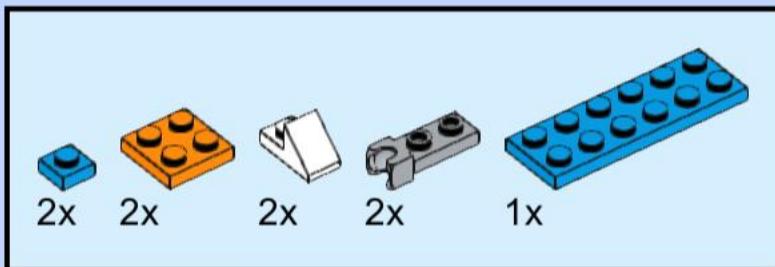
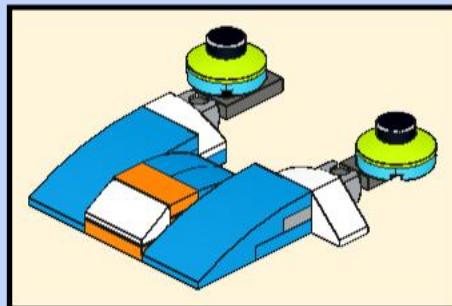
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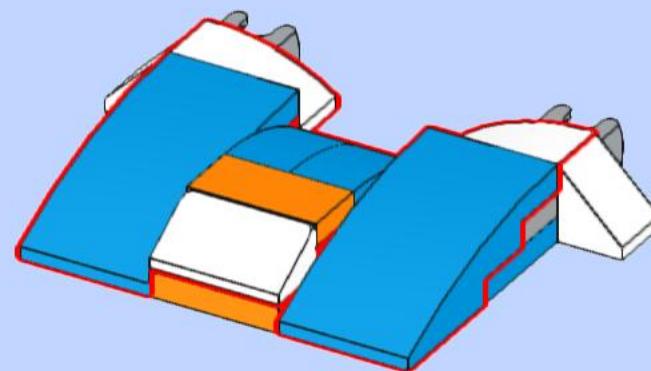
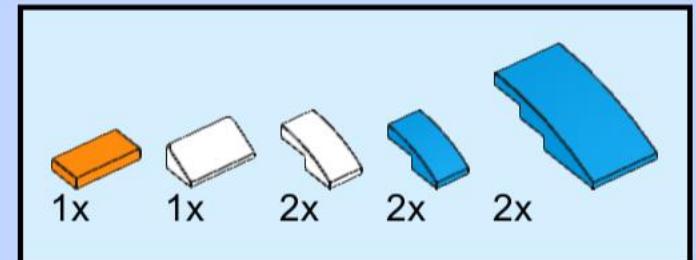
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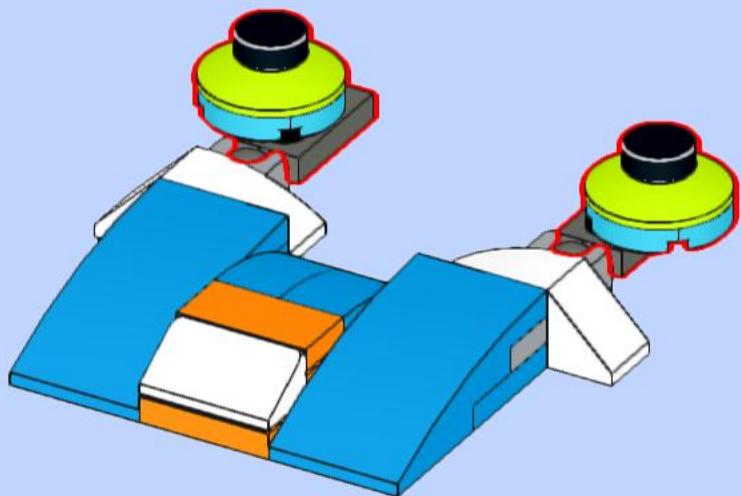
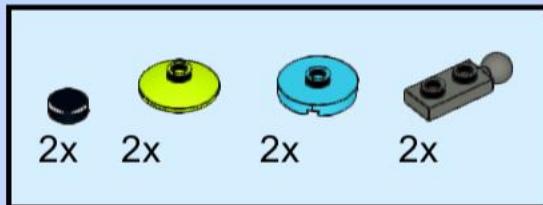
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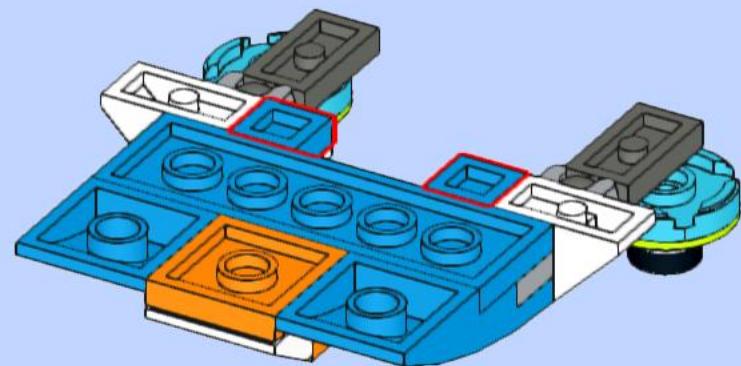
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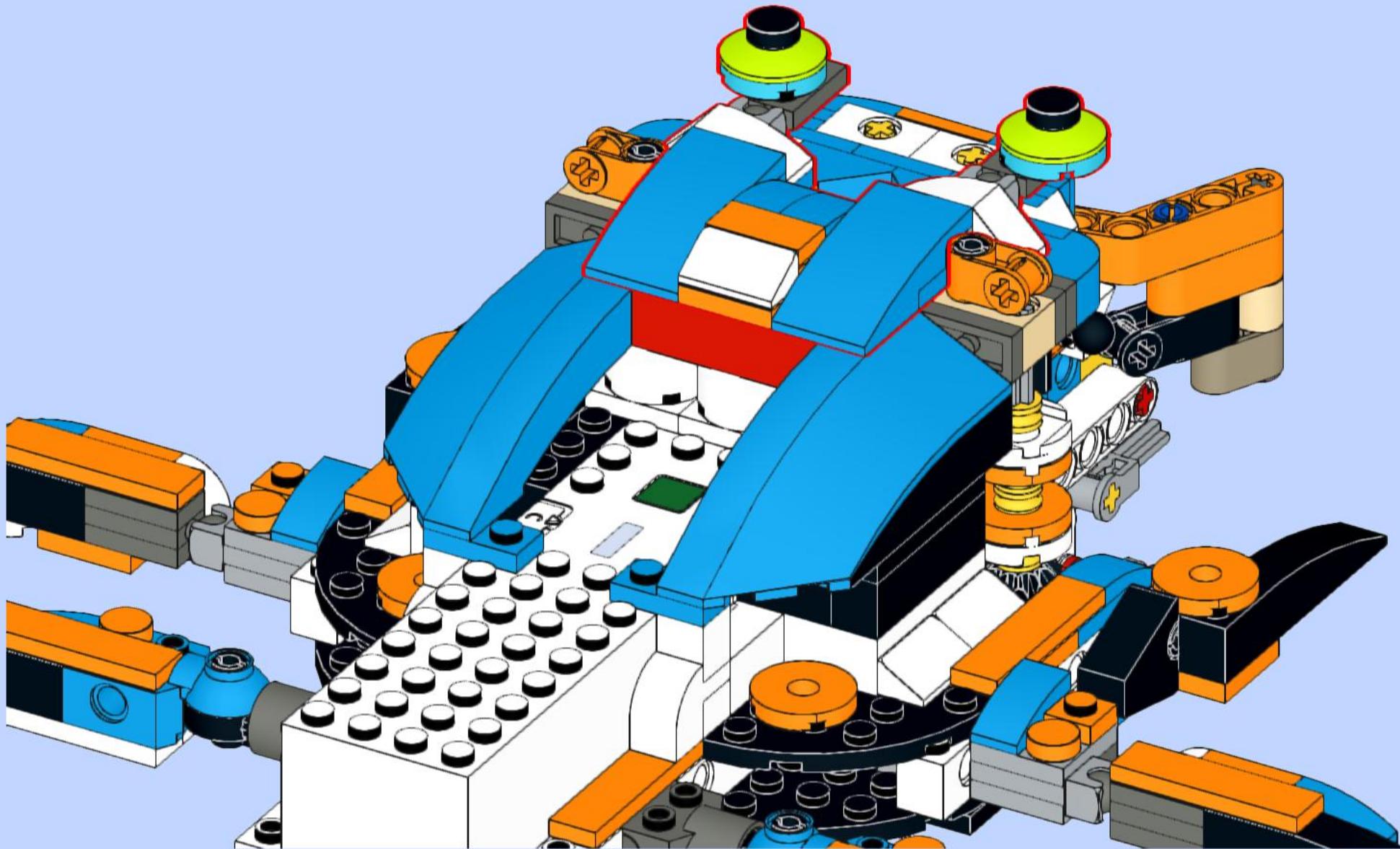
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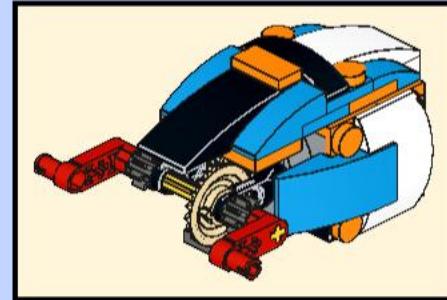
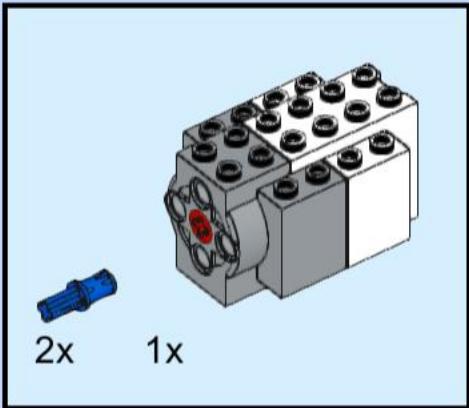
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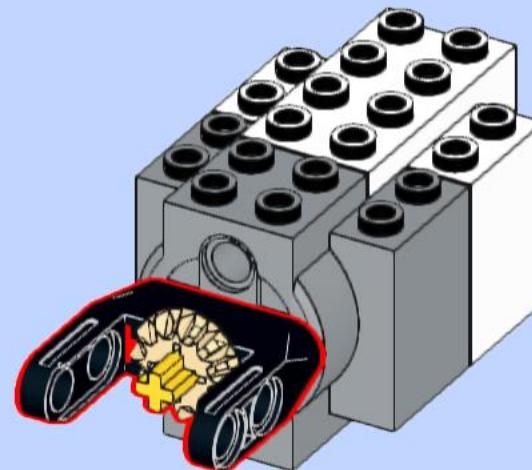
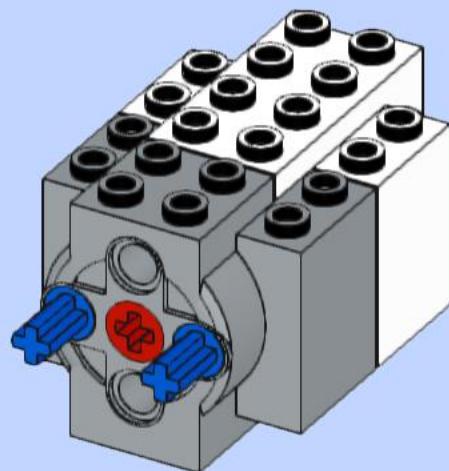
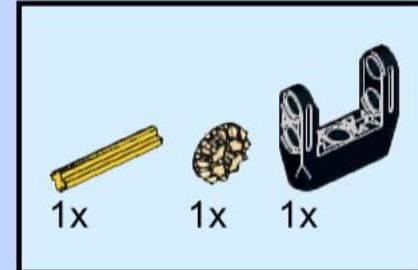
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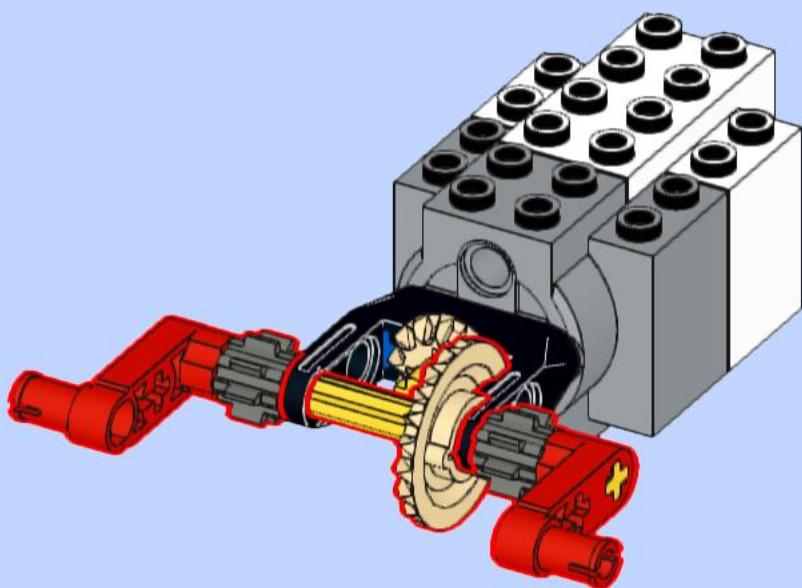
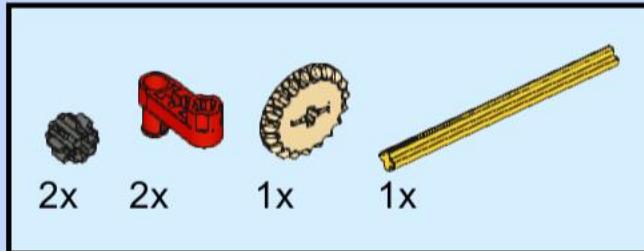
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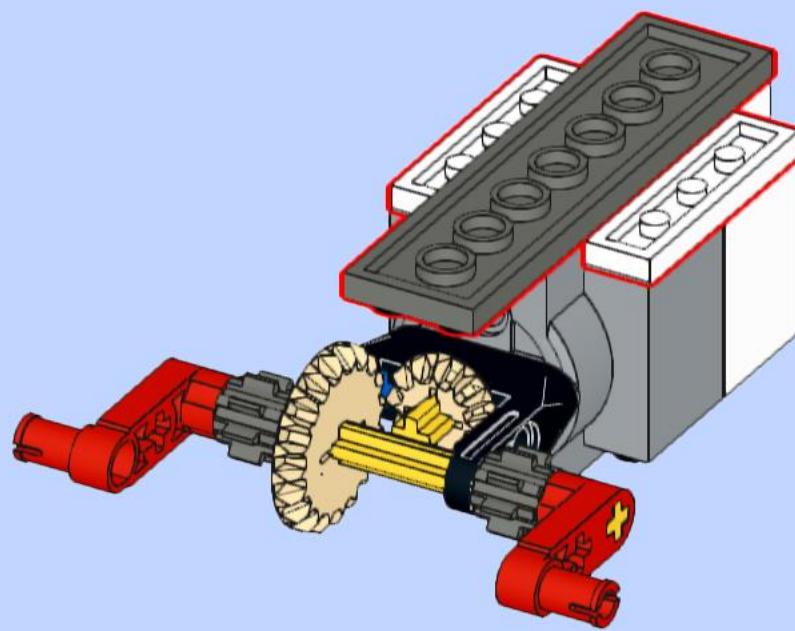
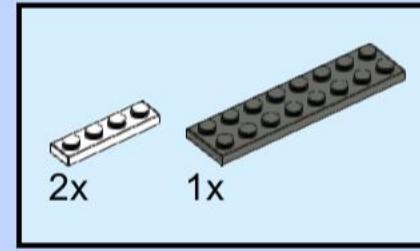
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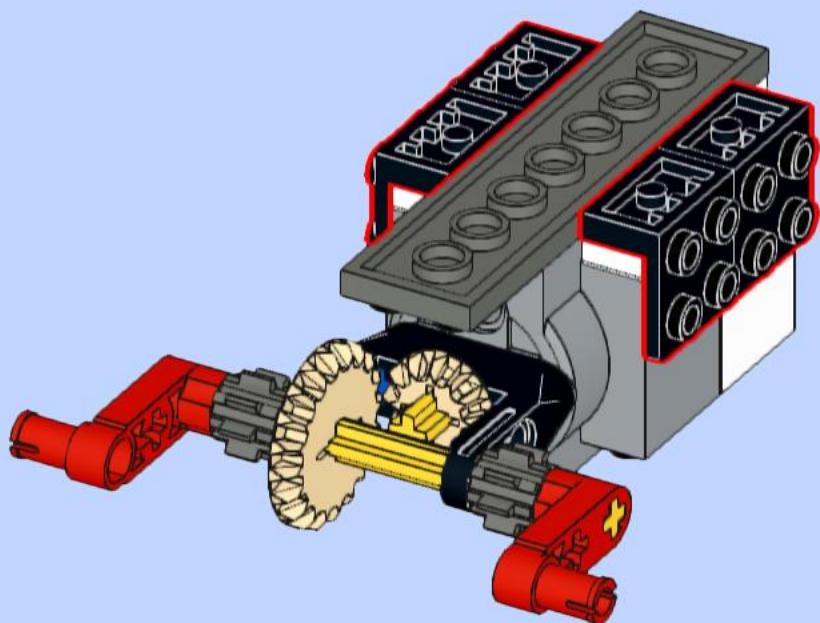
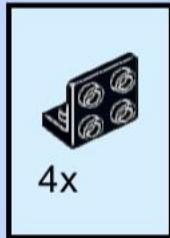
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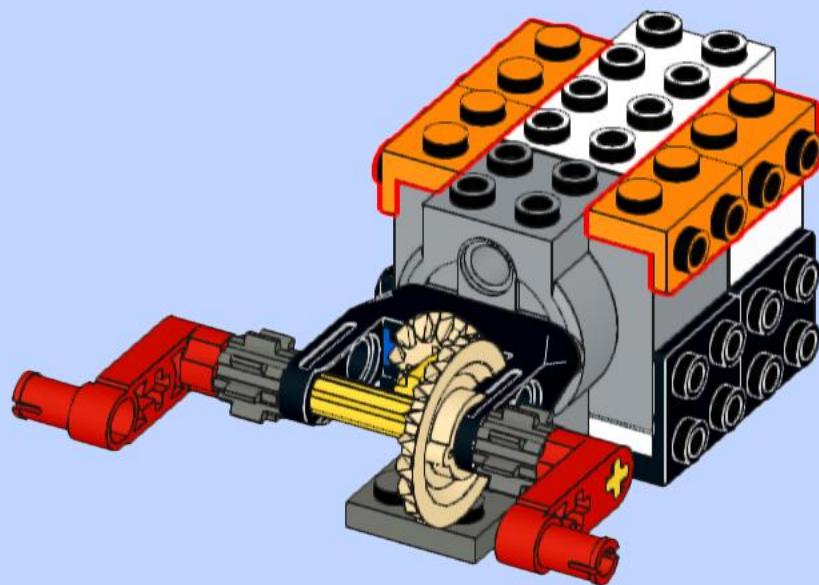
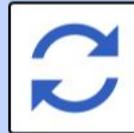
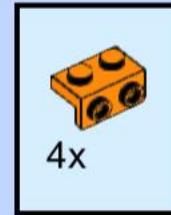
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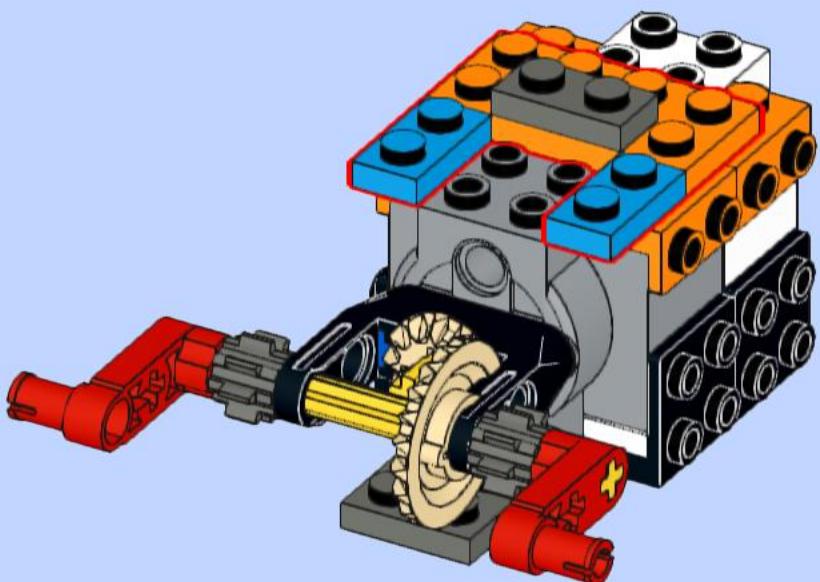
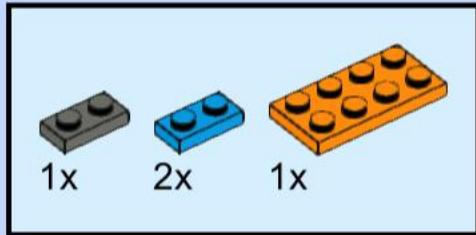
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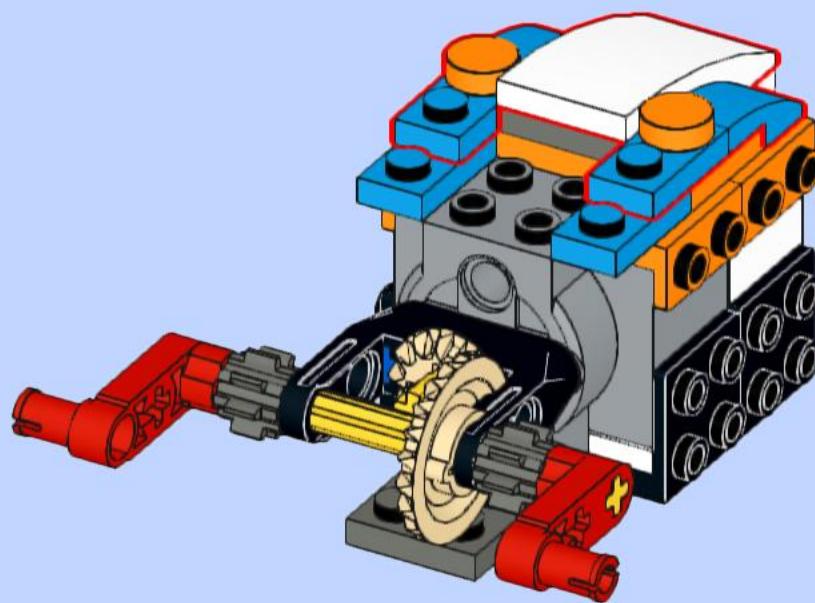
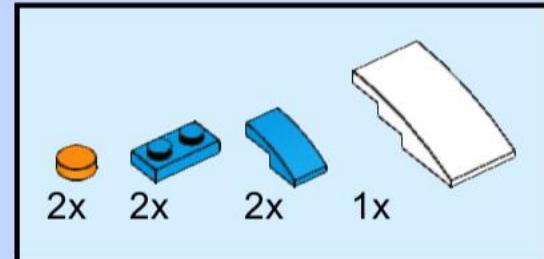
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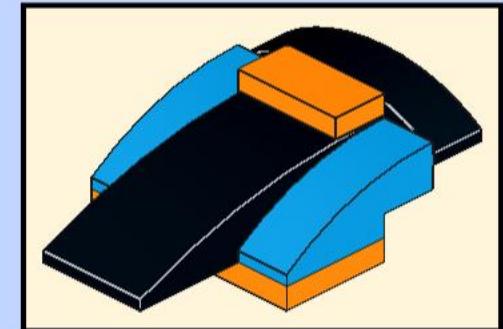
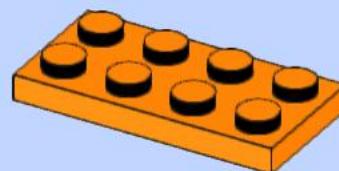
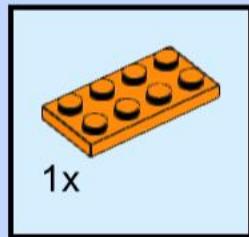
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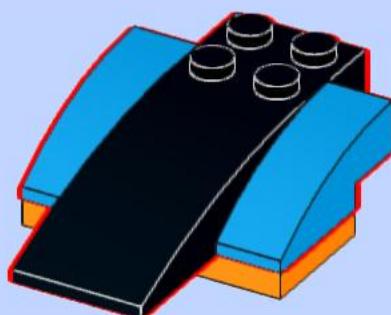
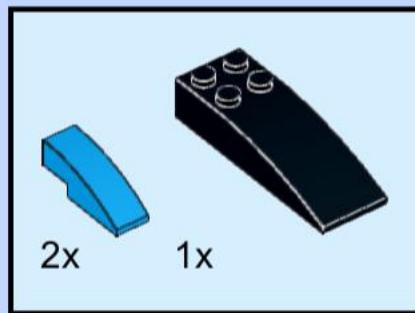
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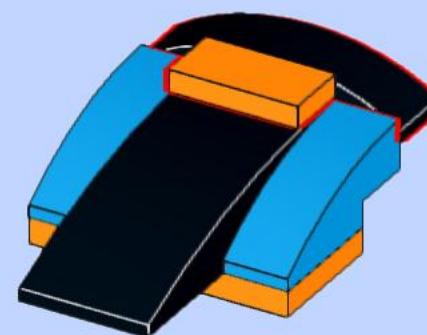
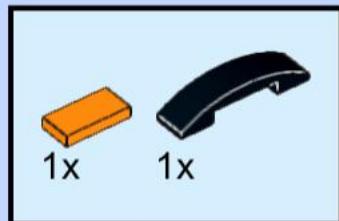
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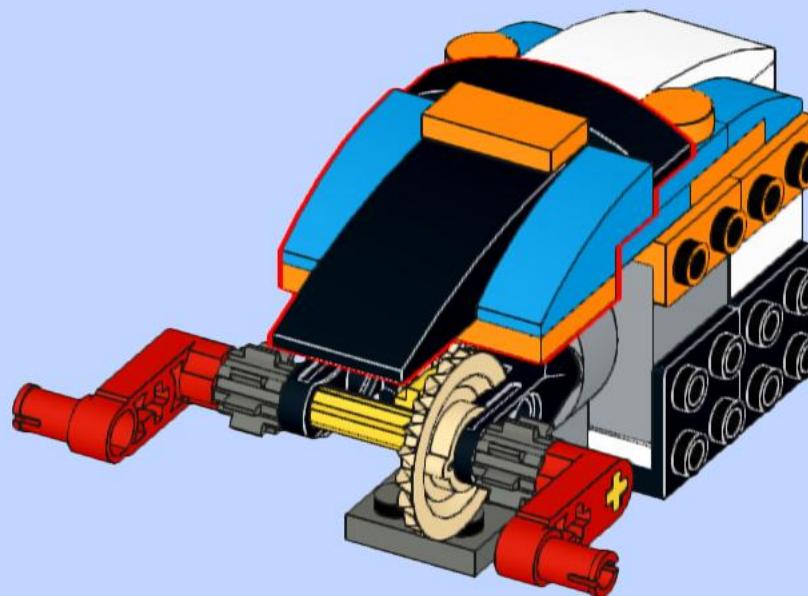
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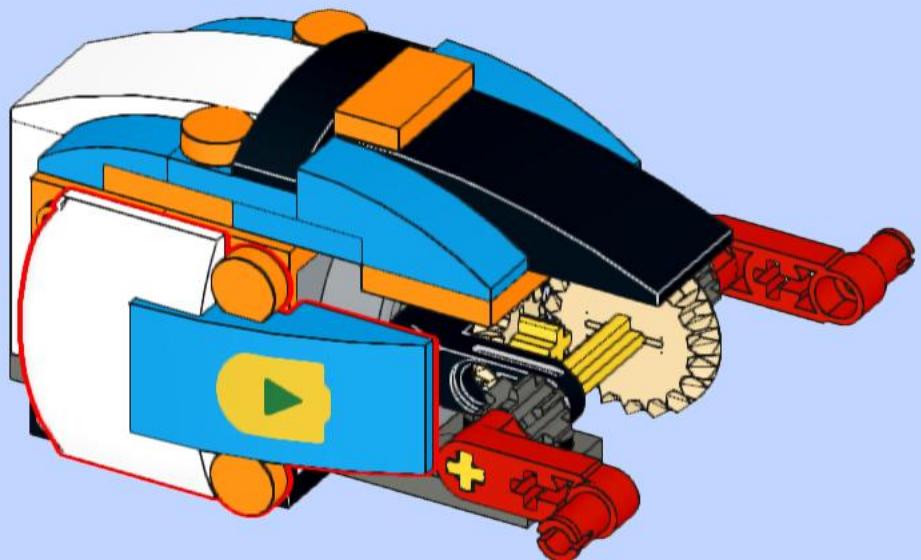
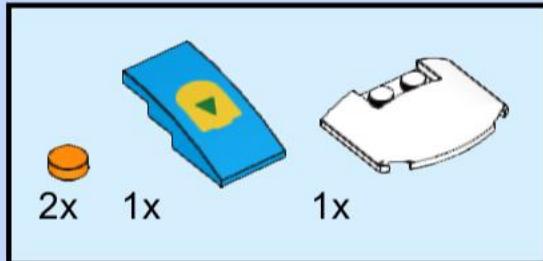
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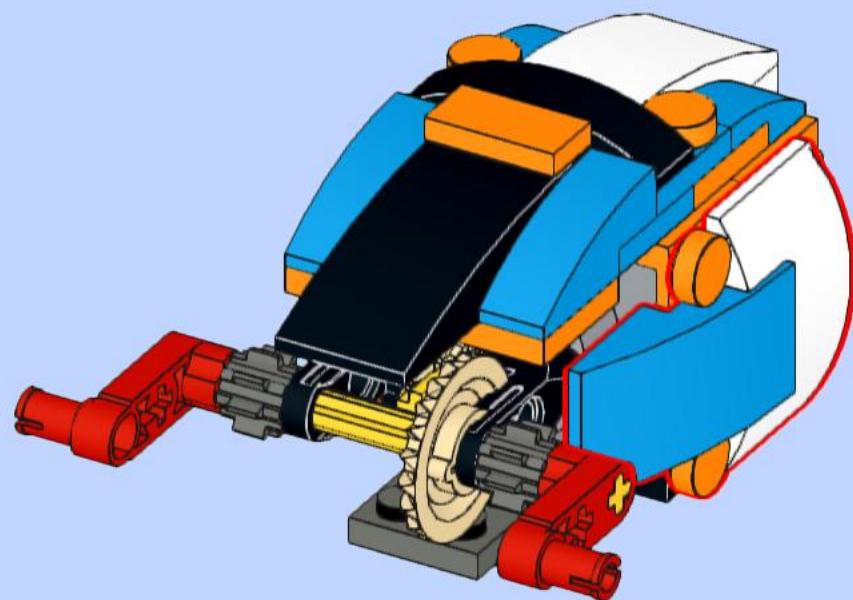
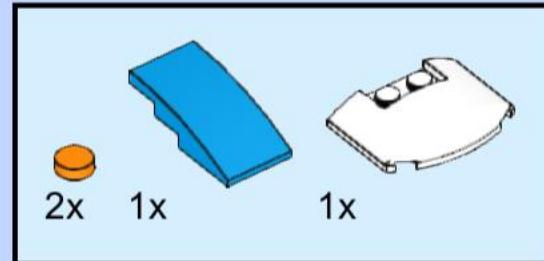
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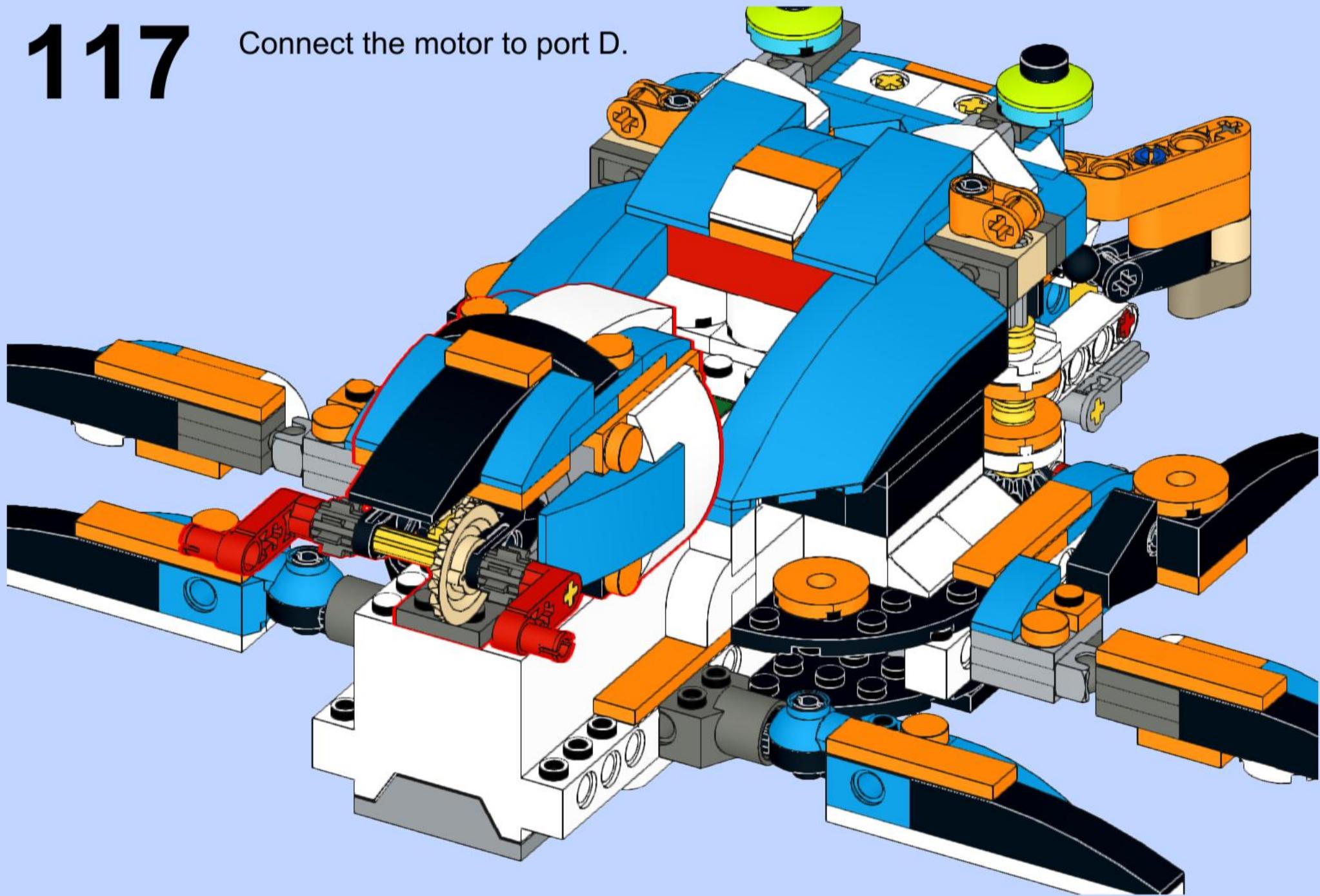


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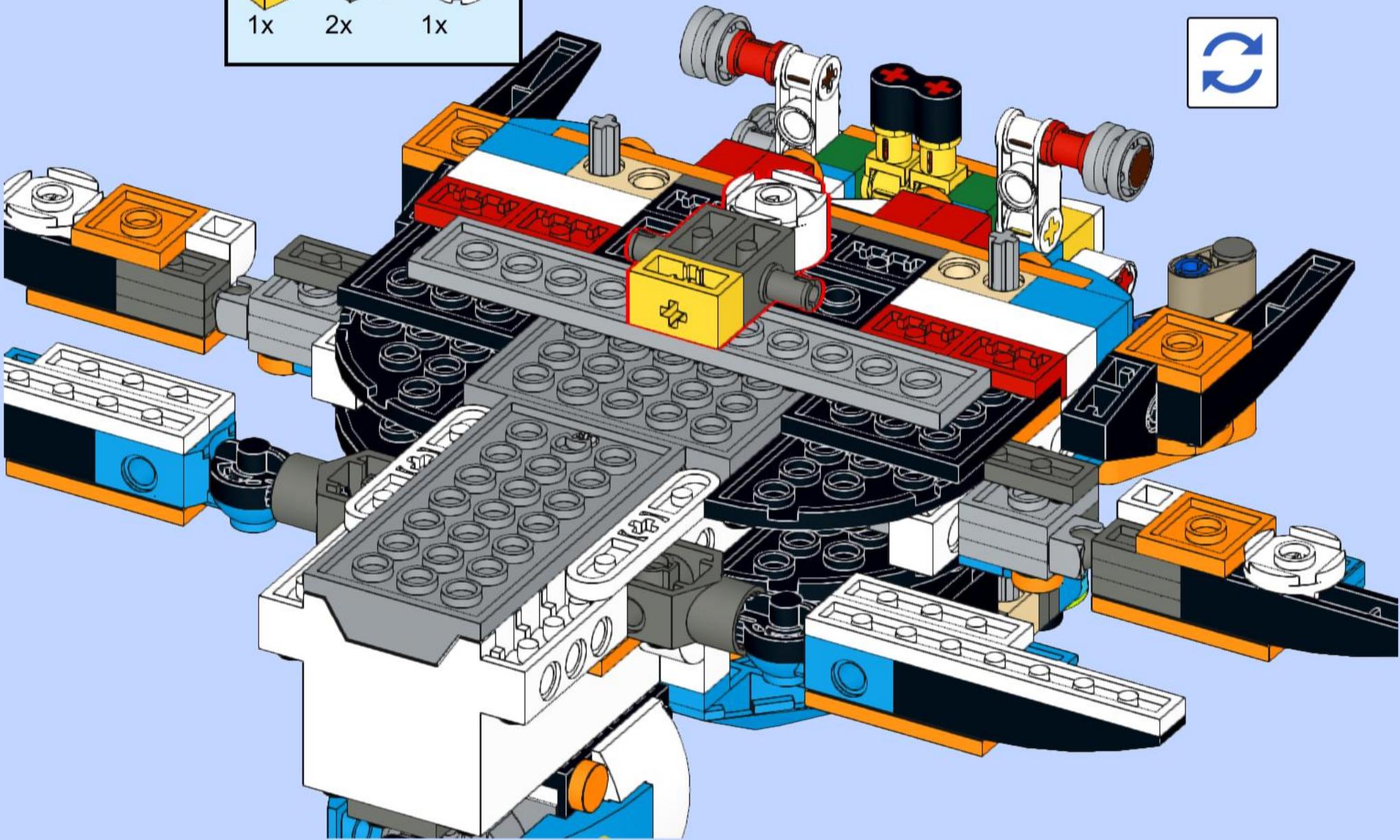
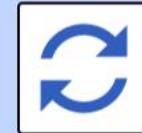
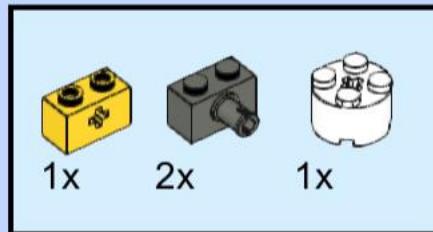


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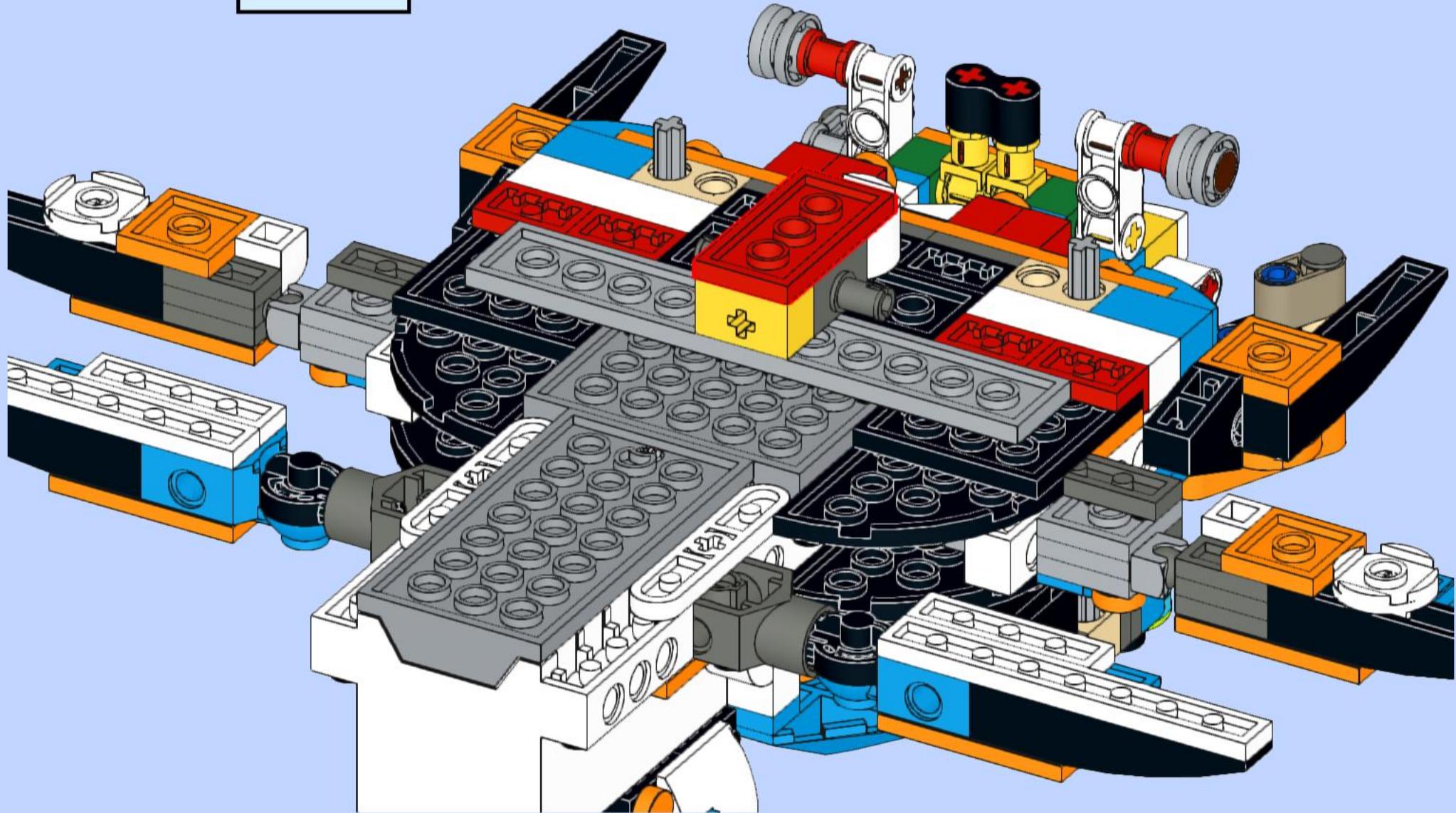
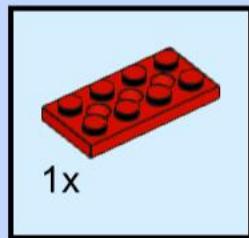
Connect the motor to port D.



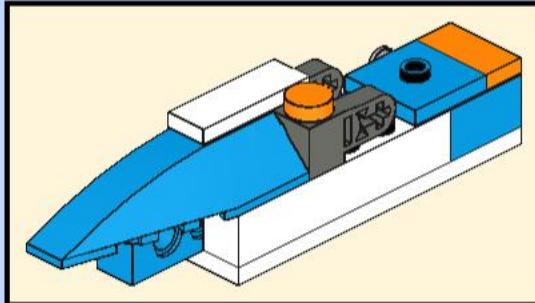
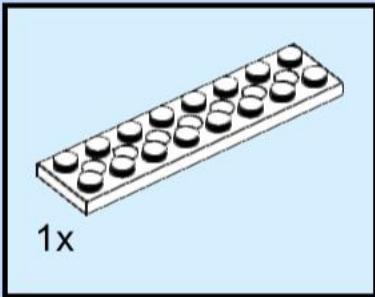
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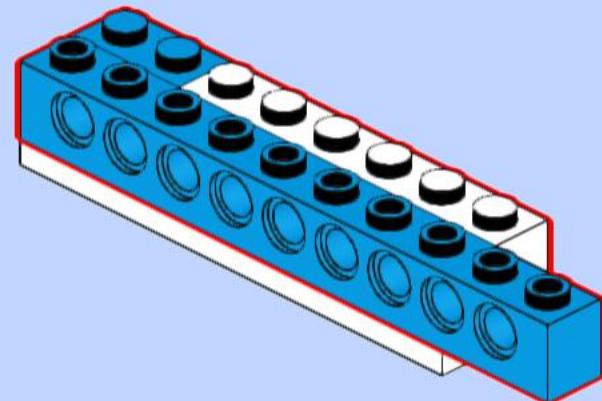
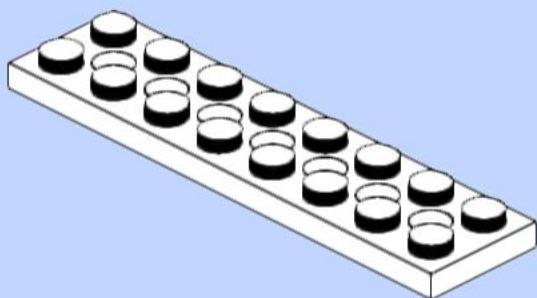
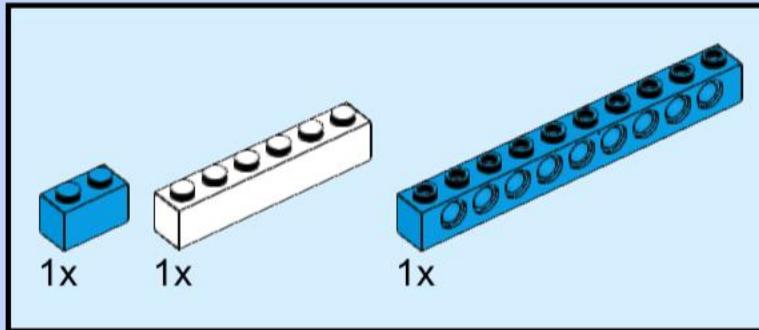
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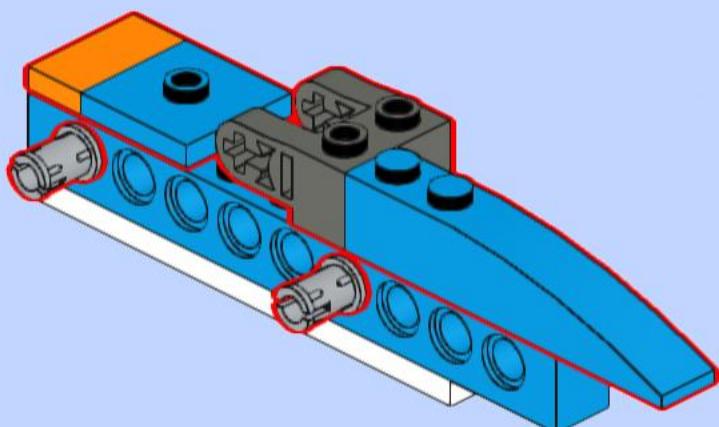
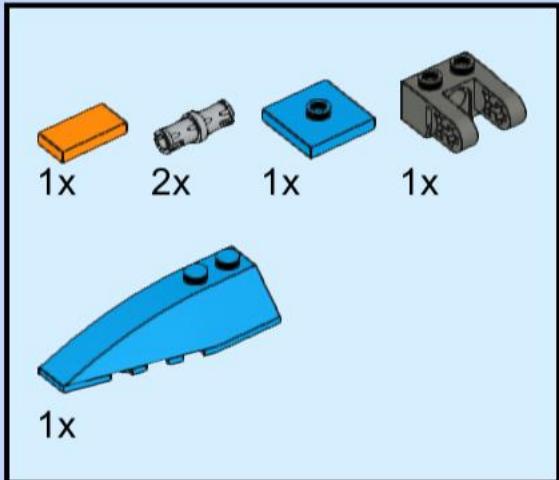
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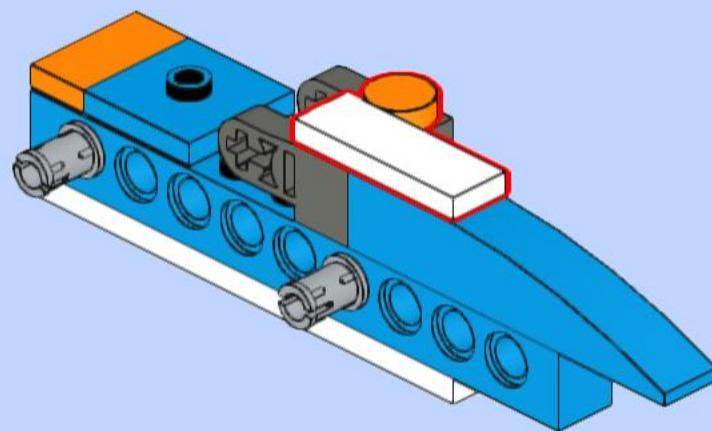
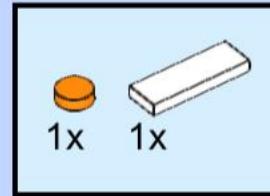
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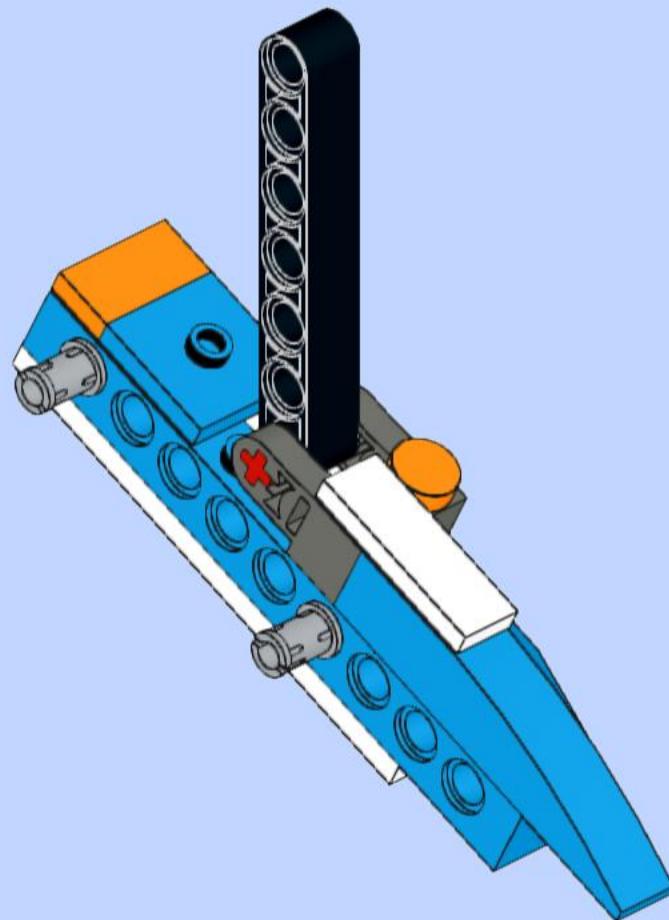
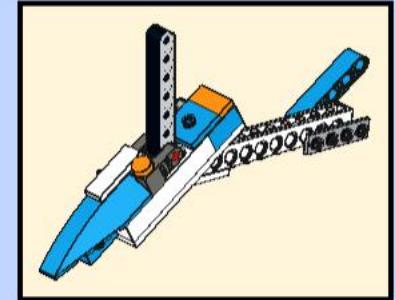
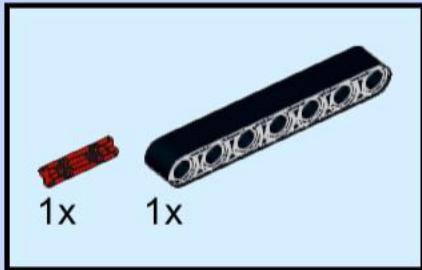
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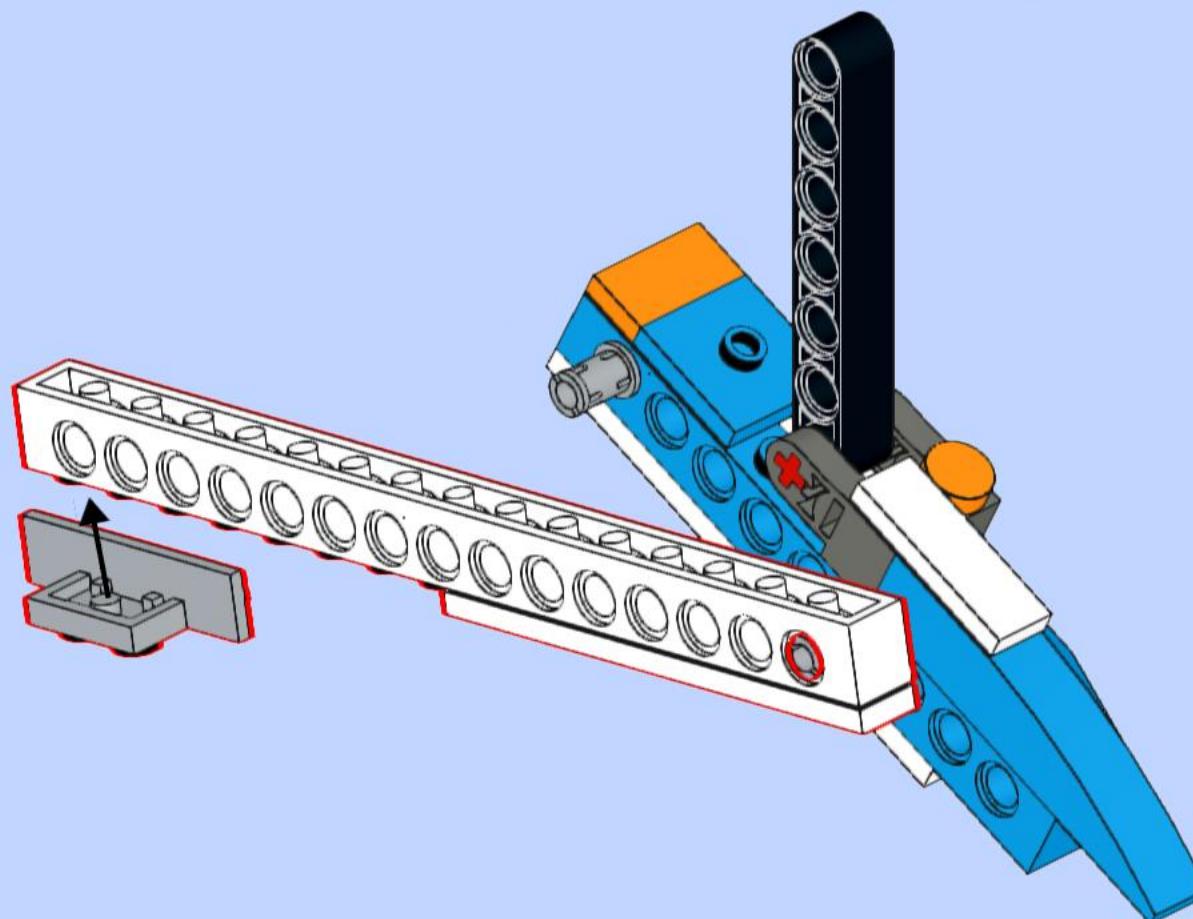
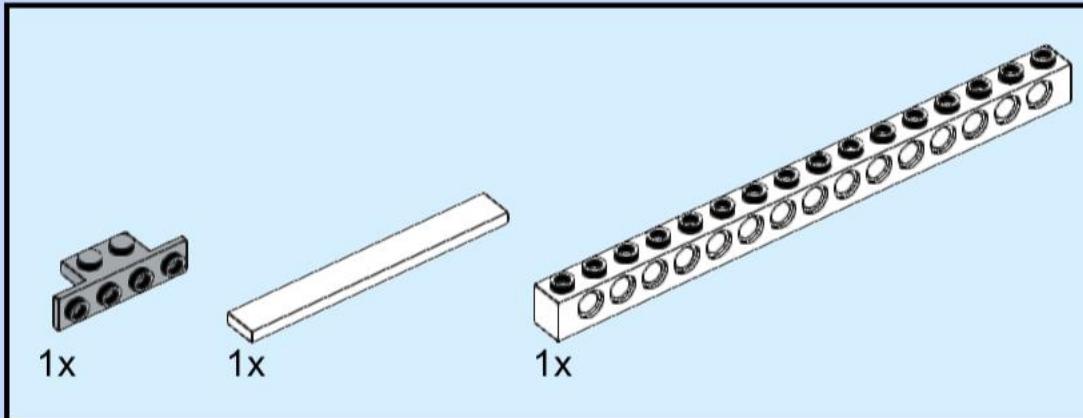
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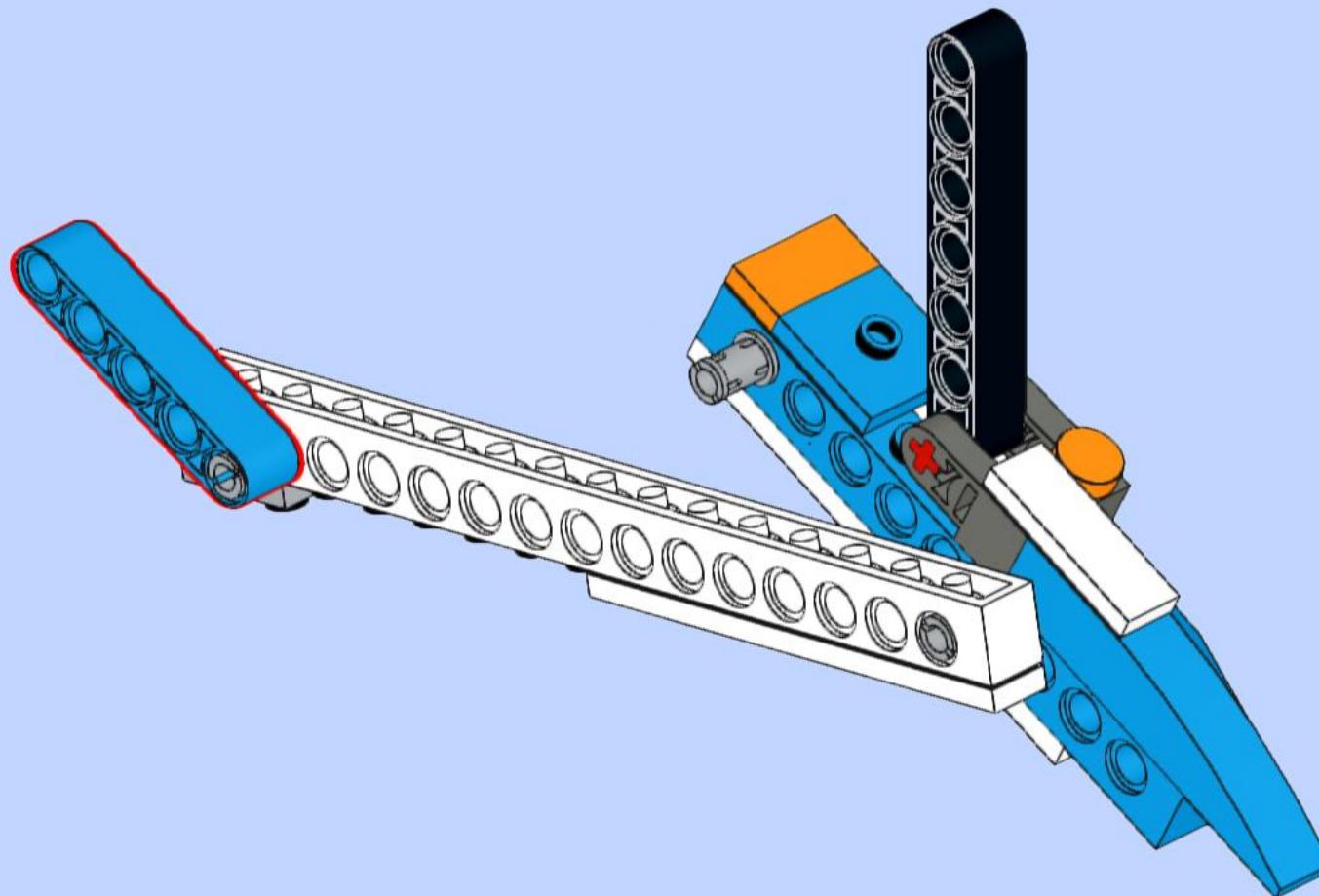
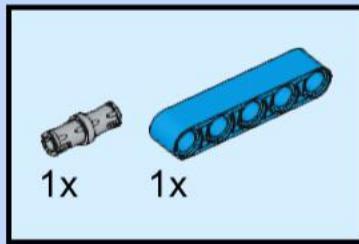
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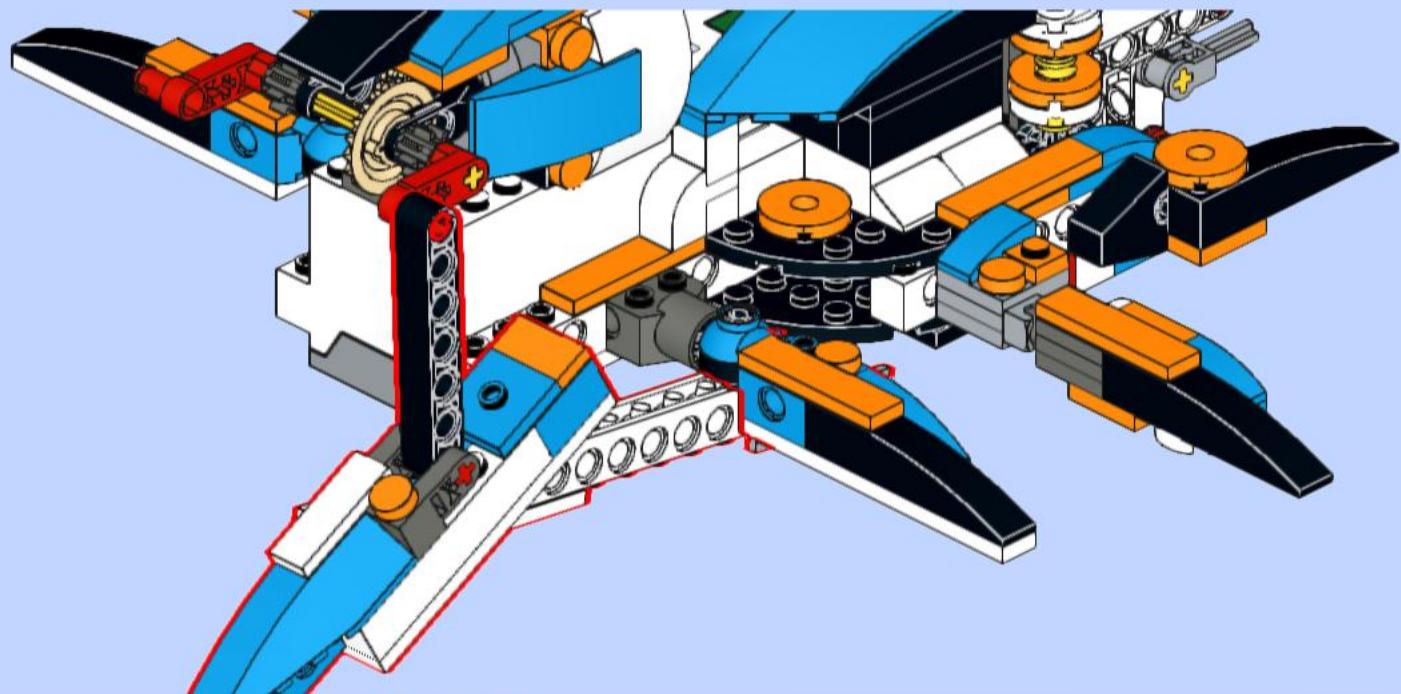
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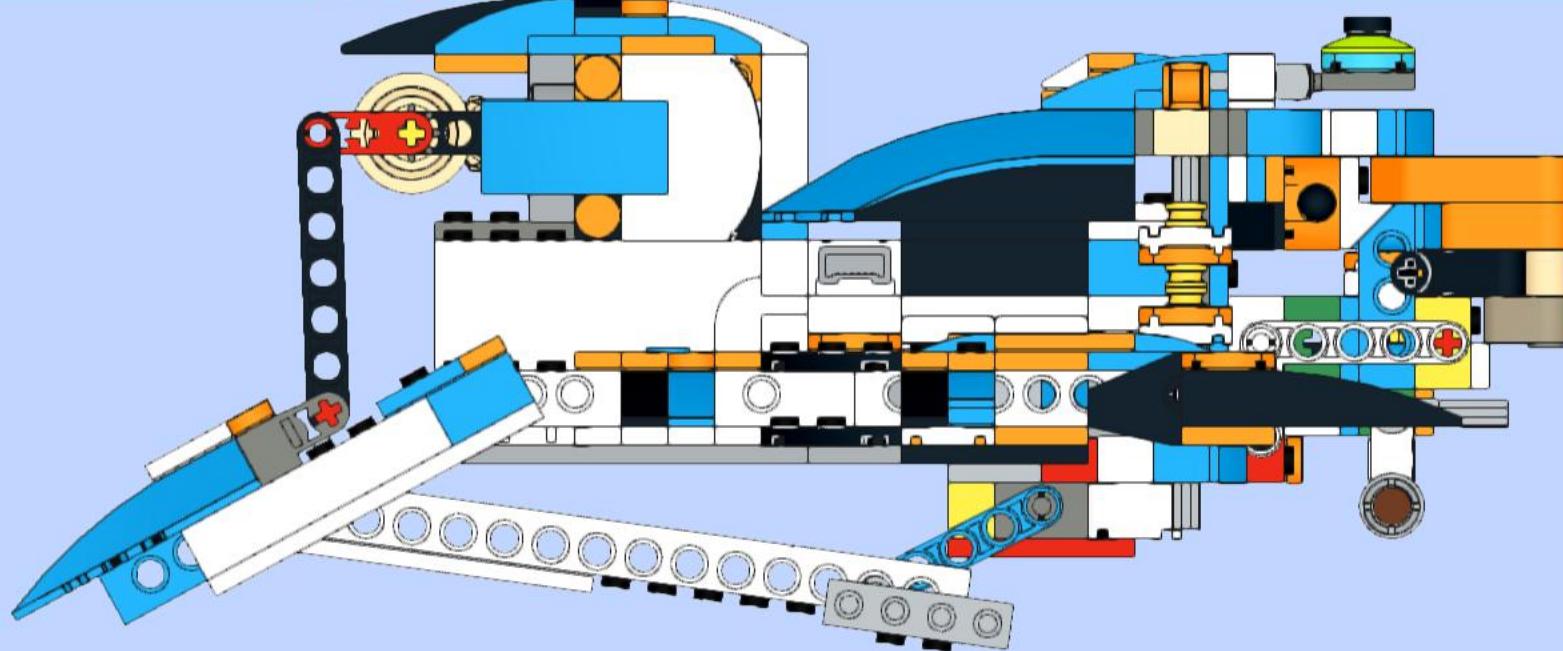
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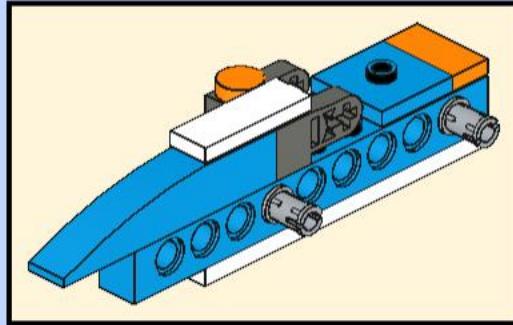
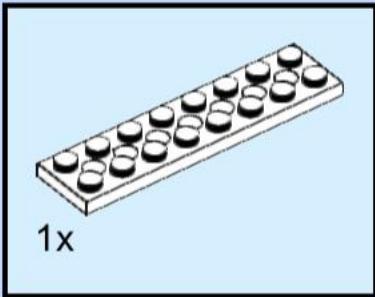
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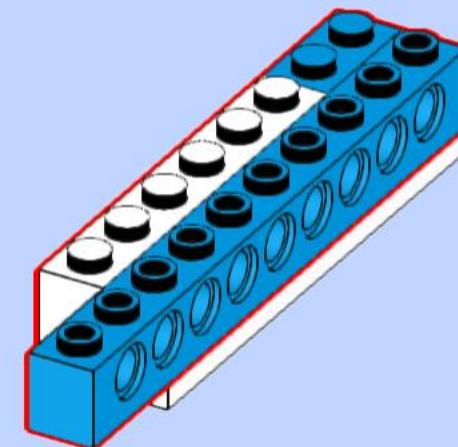
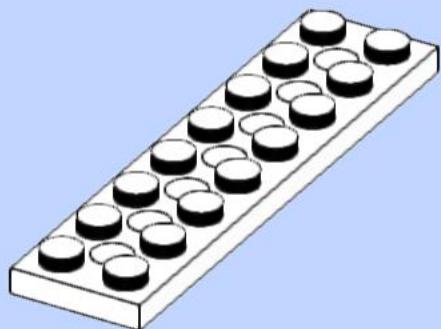
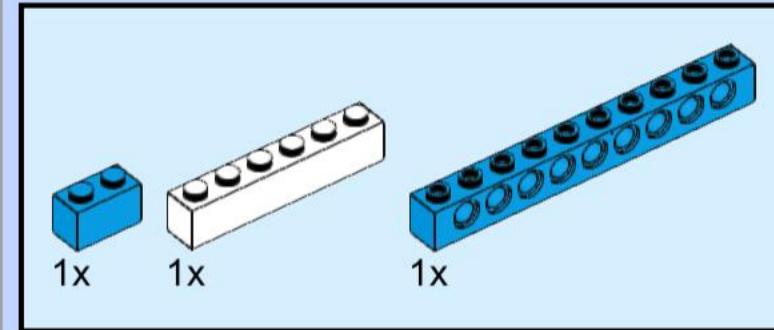
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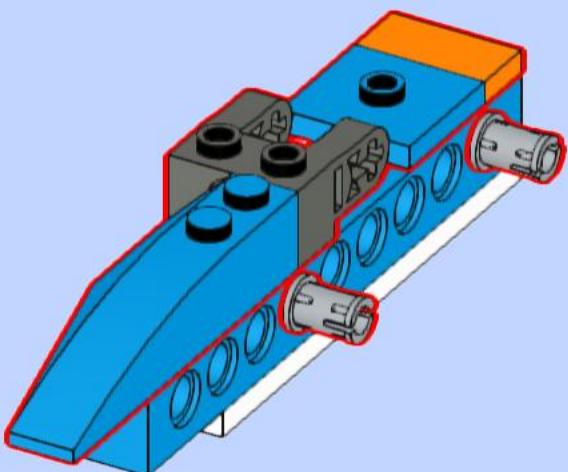
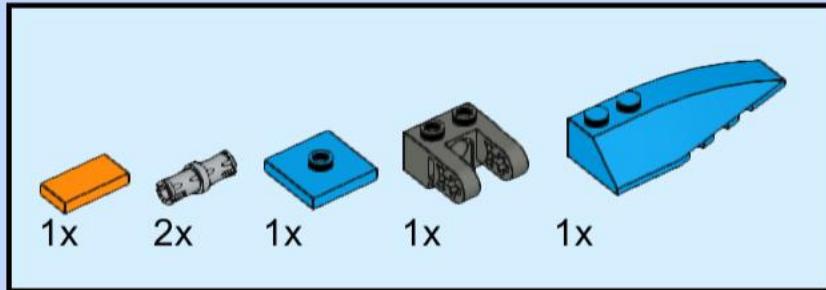
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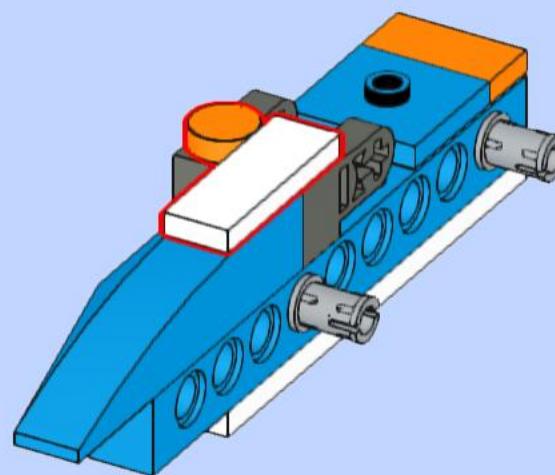
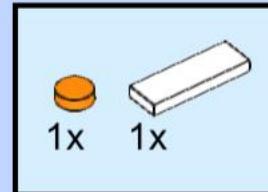
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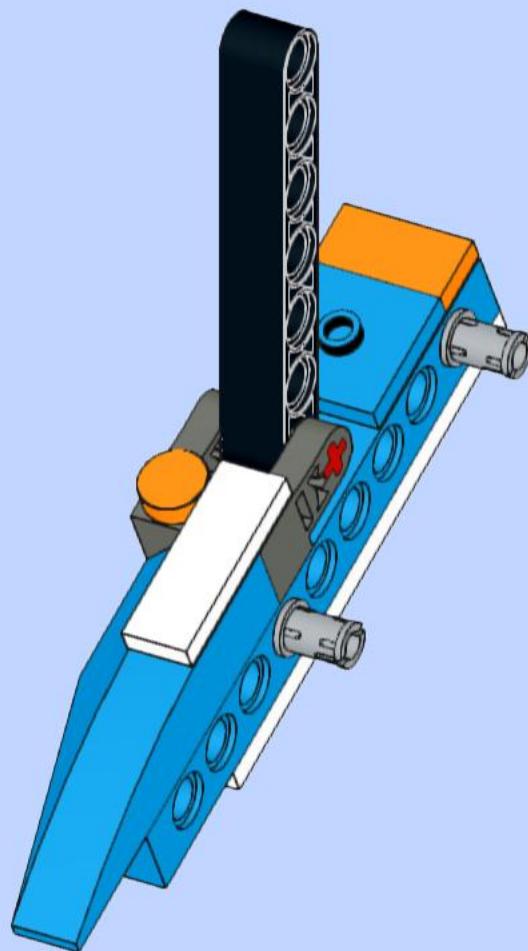
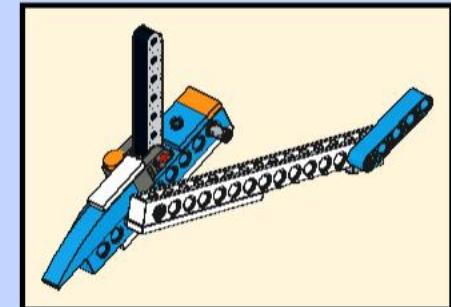
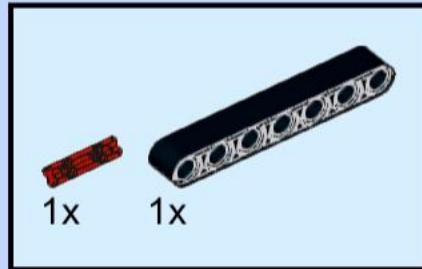
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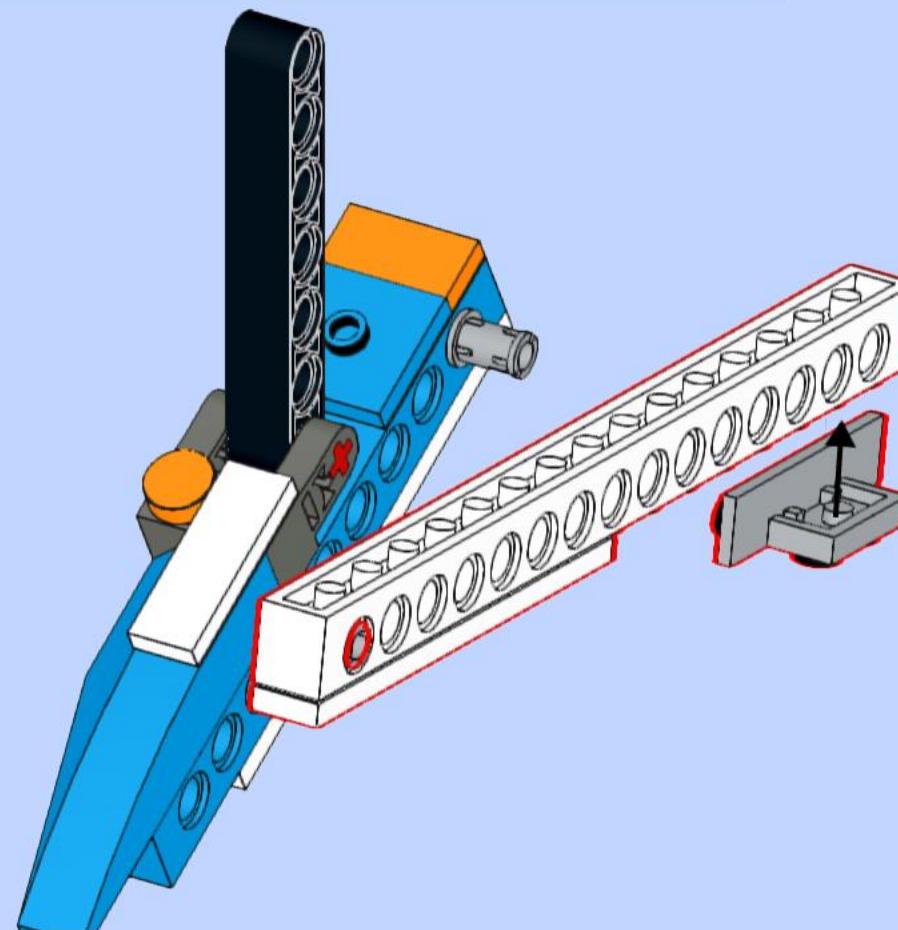
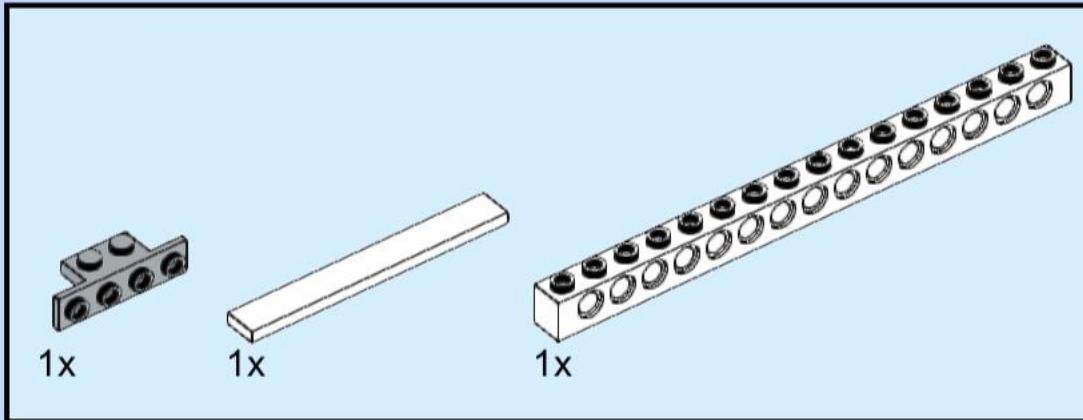
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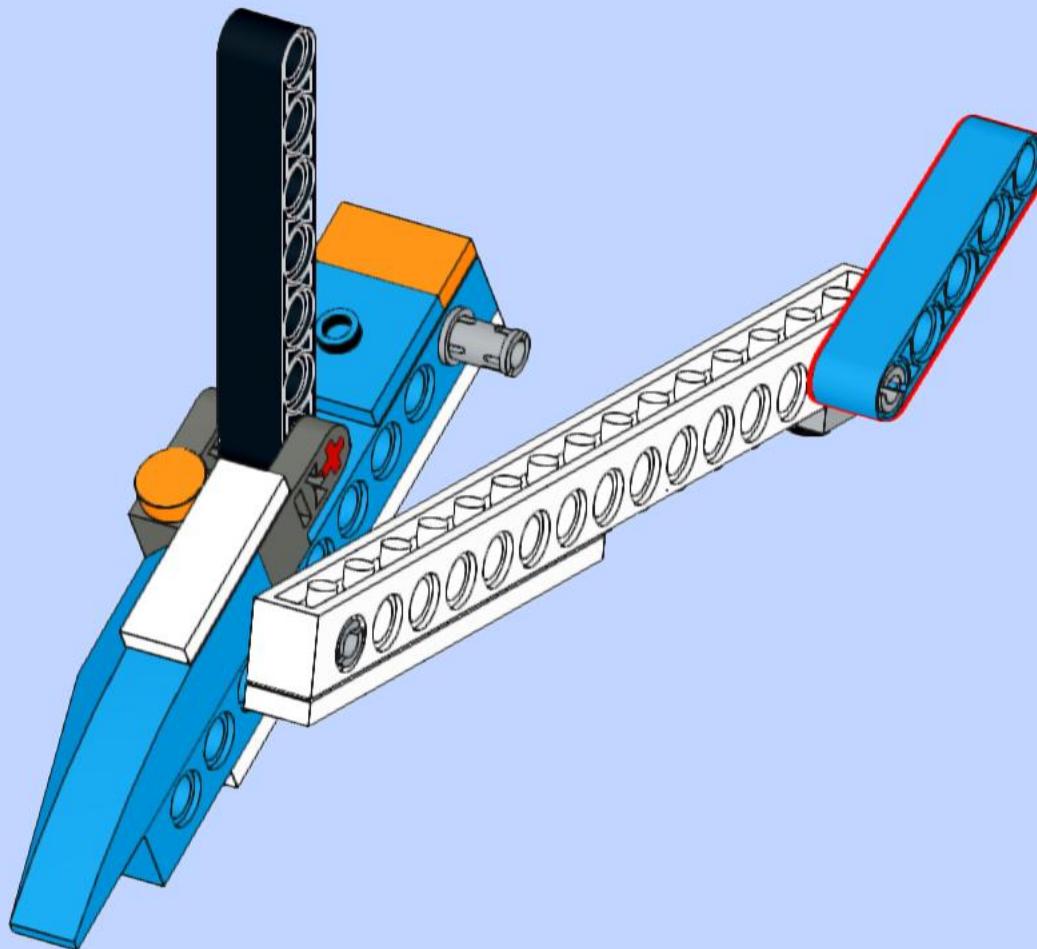
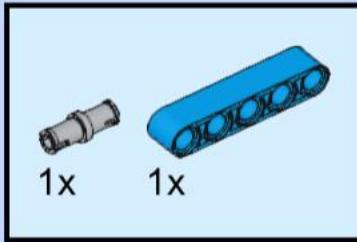
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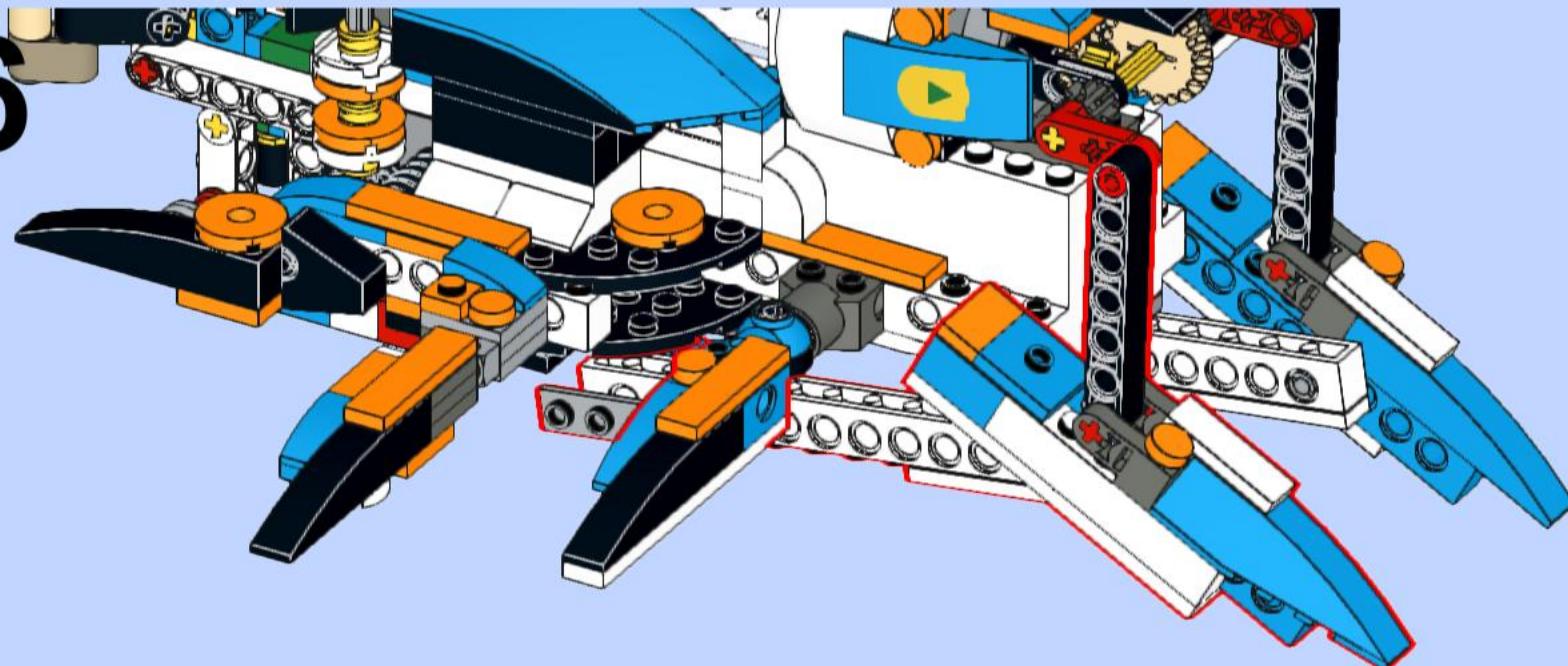
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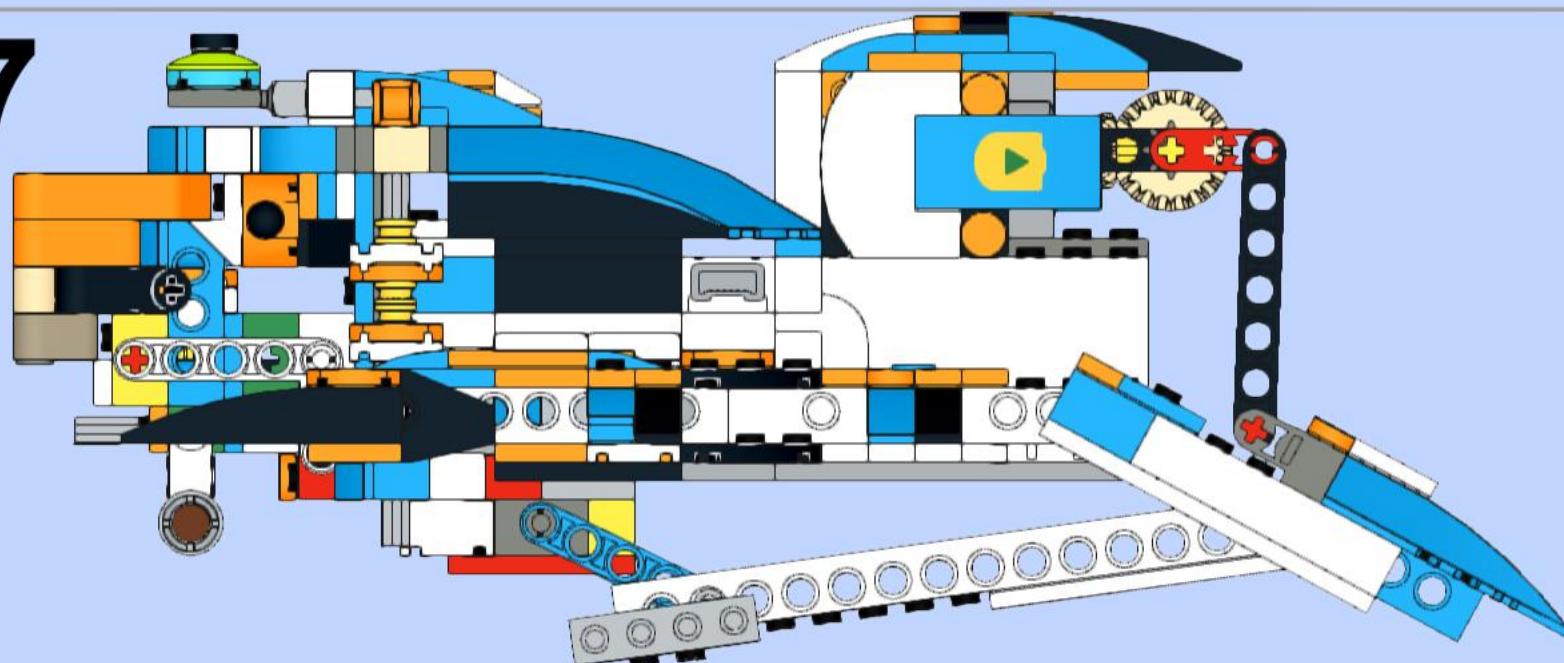
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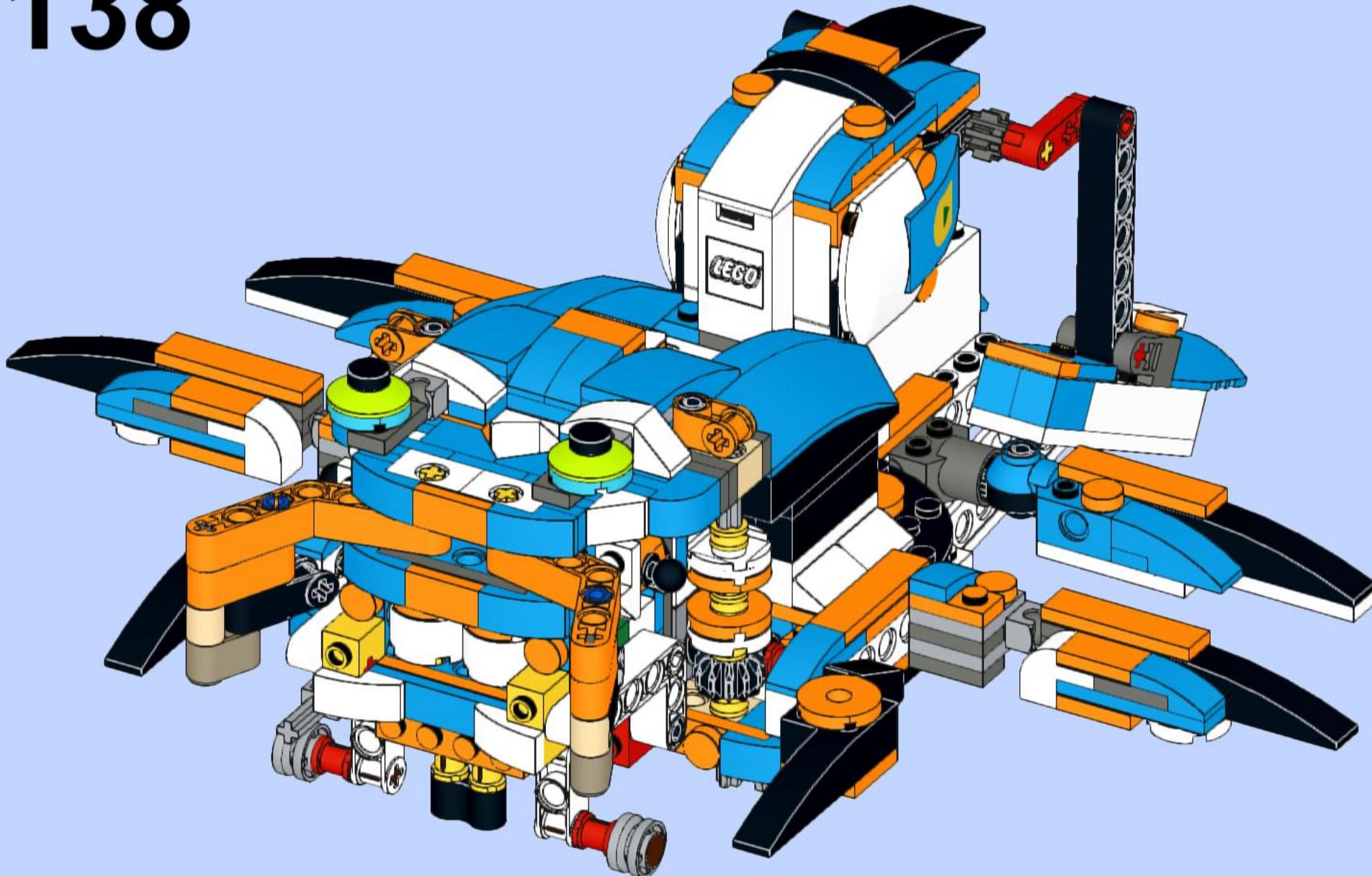
136



137



138



2x
98138
Black



7x
99207
Black



2x
6628a
Black



2x
3010
Black

4x
30565
Black



2x
10928
Dark Bluish Gray

2x
87083
Dark Bluish Gray



Light Bluish Gray



2x
18651
Black



2x
3020
Black

6x
42022
Black

13x
3023
Dark Bluish Gray

3x
3710
Dark Bluish Gray



Light Bluish Gray

1x
45590
Black

2x
42003
Black

2x
2743
Black

2x
2458
Dark Bluish Gray

4x
3034
Dark Bluish Gray



Light Bluish Gray

4x
2780
Black

2x
32001
Black

1x
32001
Black

4x
22890
Dark Bluish Gray

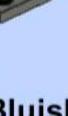


2x
32270
Black

2x
47455
Black

2x
3001
Black

2x
85943
Dark Bluish Gray



4x
3665
Black

1x
93273
Black

3x
44126
Black

2x
4477
Dark Bluish Gray



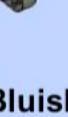
2x
4716
Black

1x
87408
Black

2x
3031
Black

2x
42610
Light Bluish Gray

1x
3673
Light Bluish Gray



Dark Bluish Gray

Light Bluish Gray

4x
3665
Black

2x
32524
Black

2x
48169
Dark Bluish Gray

1x
3673
Light Bluish Gray



2x
4716
Black

1x
87408
Black

2x
32524
Black

1x
3673
Light Bluish Gray



2x
4716
Black

1x
87408
Black

2x
32524
Black

1x
3673
Light Bluish Gray



5x
4459
Light Bluish Gray



2x
60485
Light Bluish Gray



4x
3022
Light Bluish Gray



4x
14418
Light Bluish Gray

1x
2445
Light Bluish Gray



1x
6553
Light Bluish Gray

6x
3005
White



2x
3622
Light Bluish Gray

4x
11477
White



2x
2436
Light Bluish Gray

9x
85984
White



6x
92946
White



