

LEGO mindstorms[®]
EV3

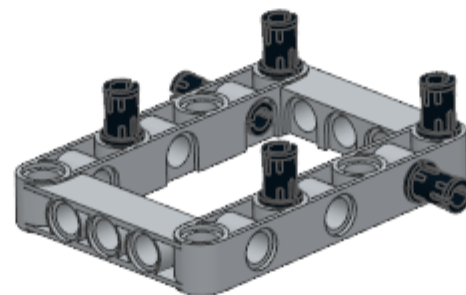
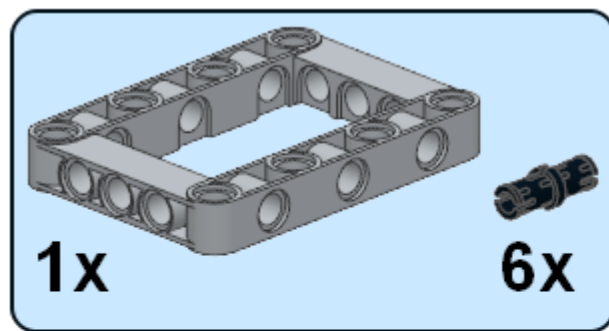


EV3D4

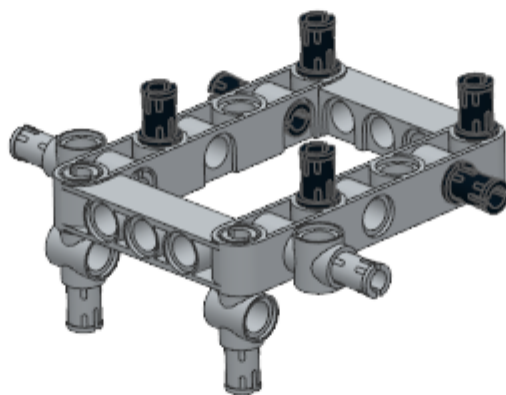
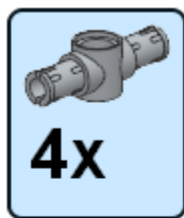
Model Design
and Programming Instructions
by: **Vassilis Chryssanthakopoulos**

Building Instructions
by: **Philippe "Philo" Hurbain**

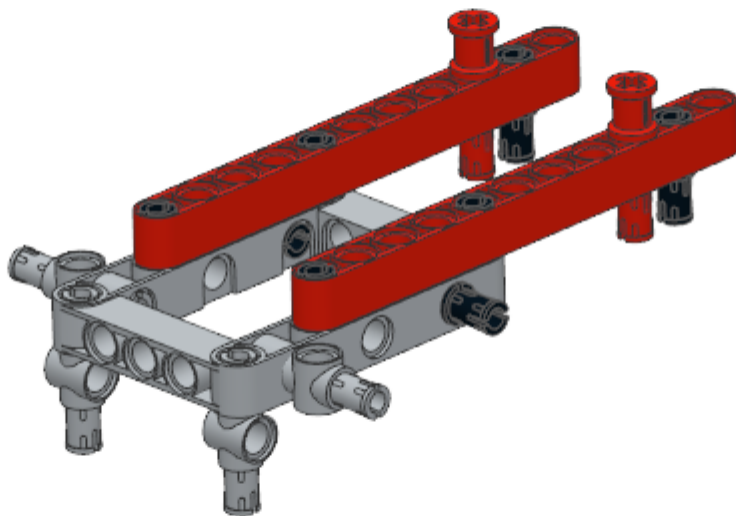
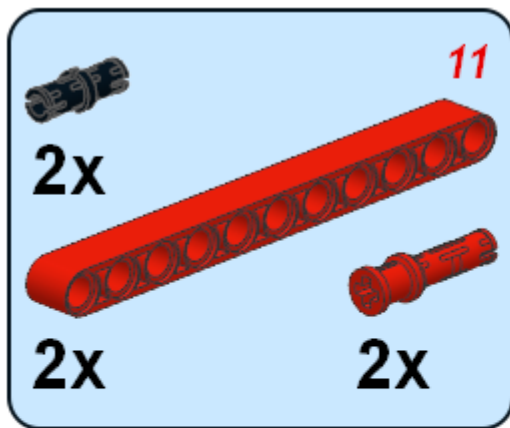
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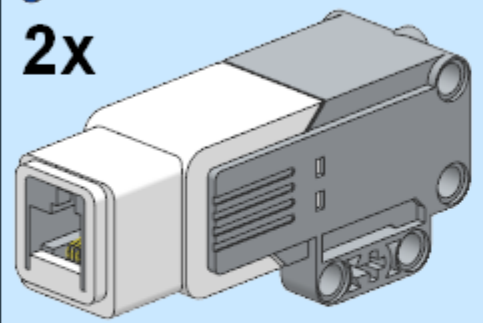
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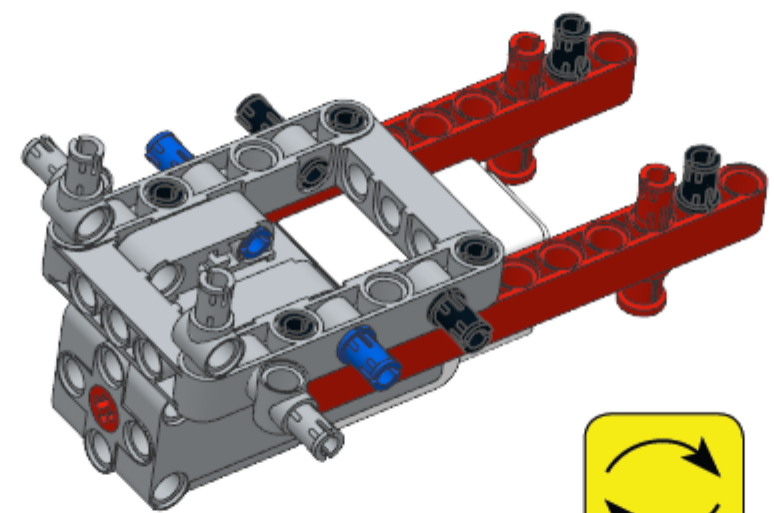
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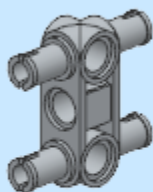
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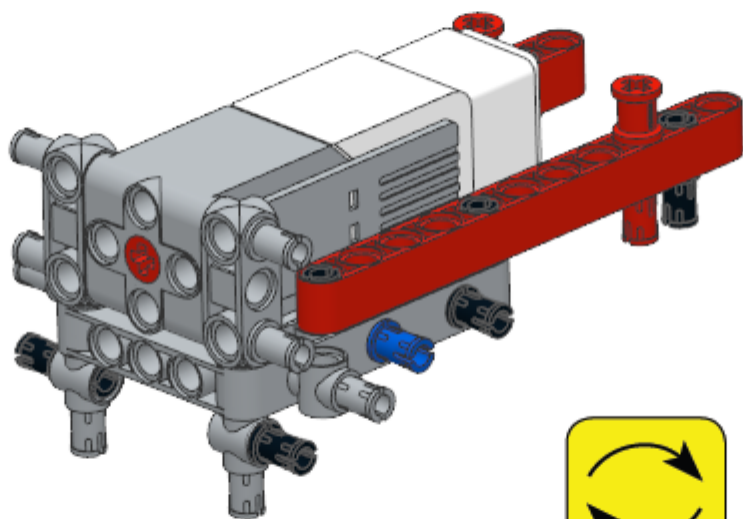
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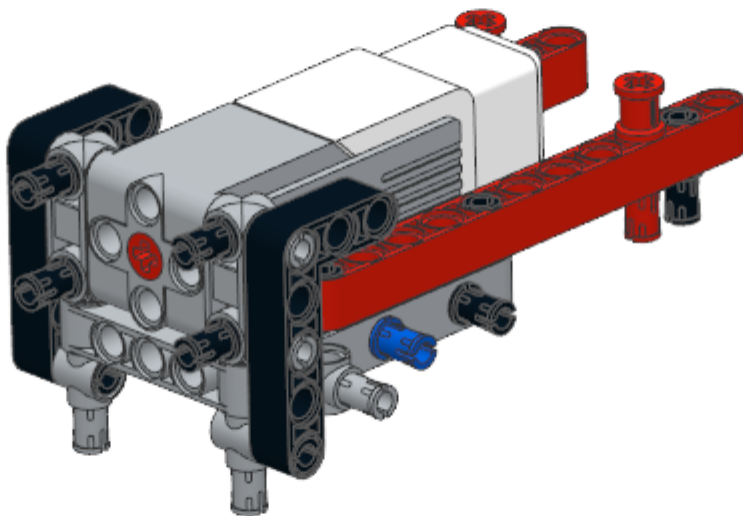
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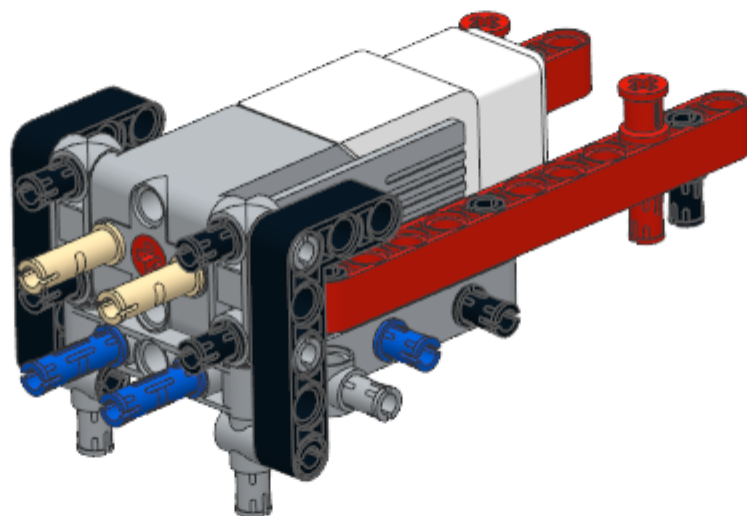
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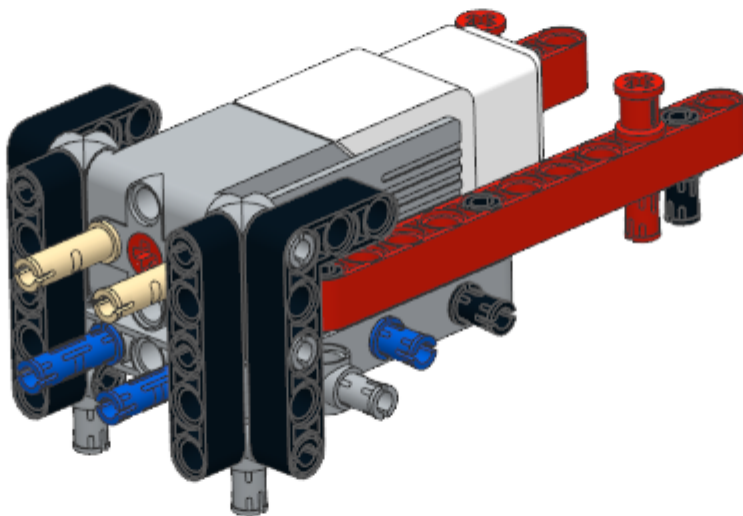
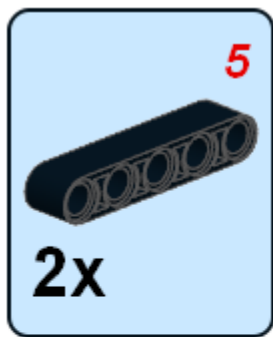
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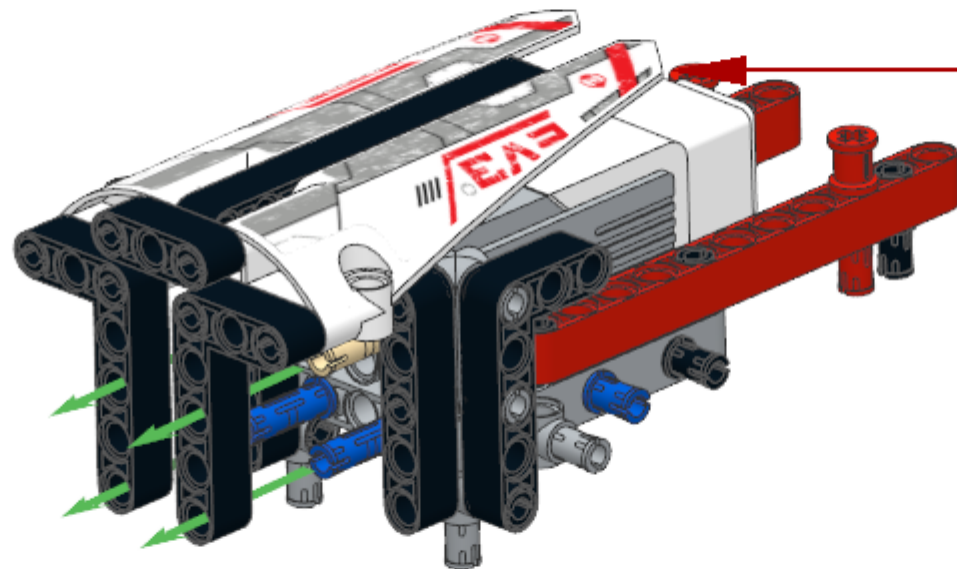
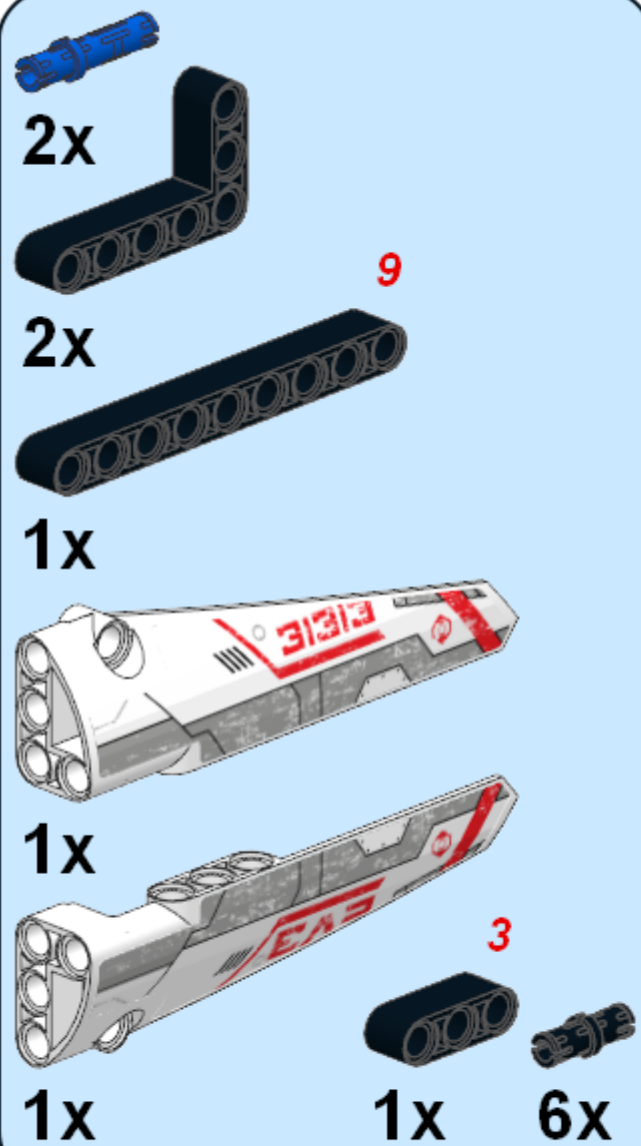
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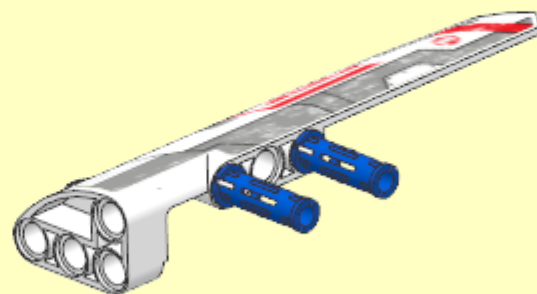
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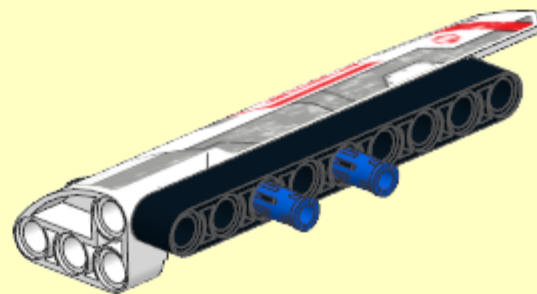
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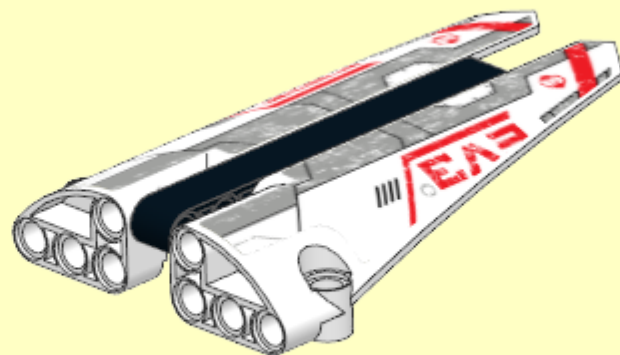
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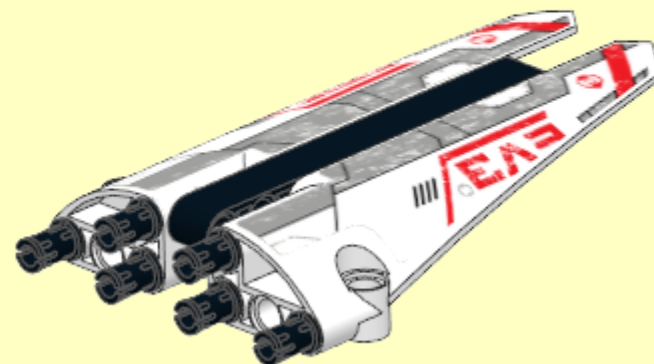
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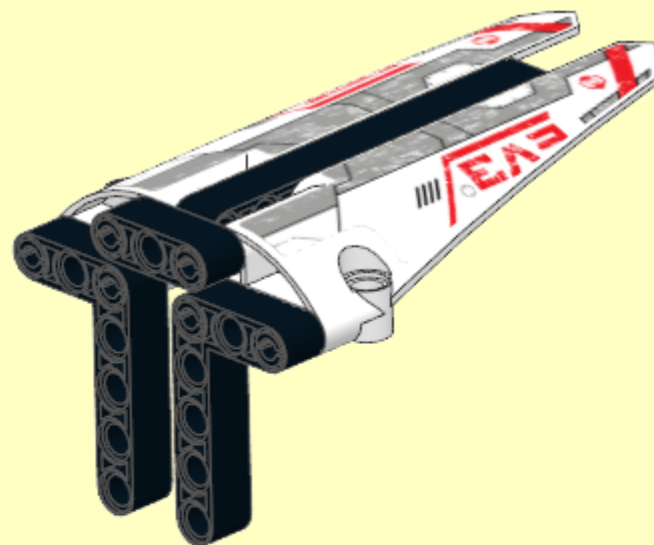
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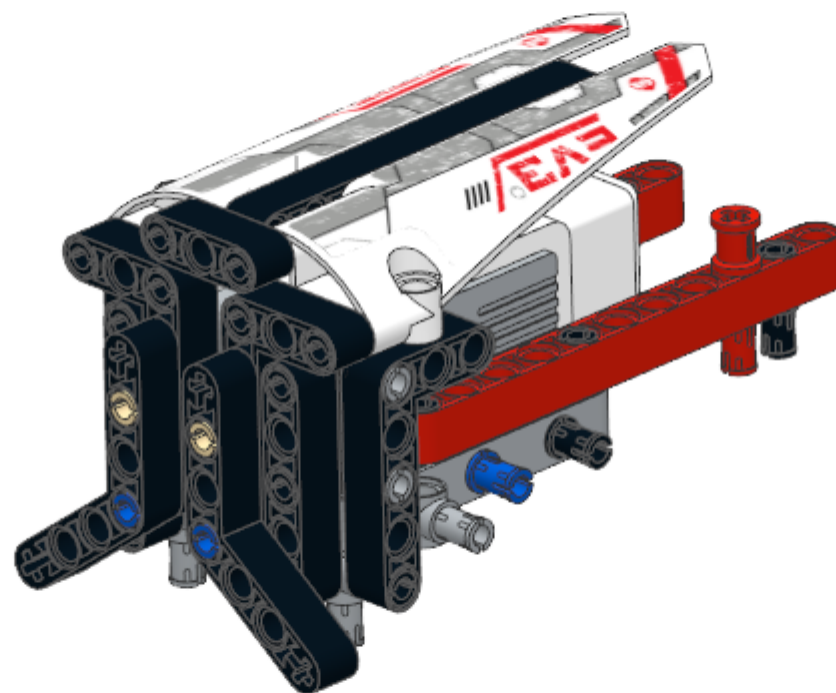
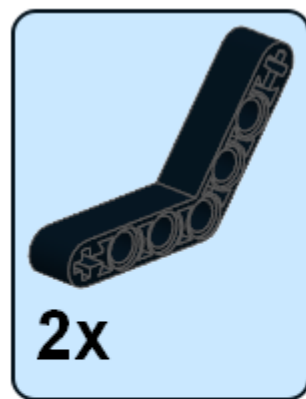
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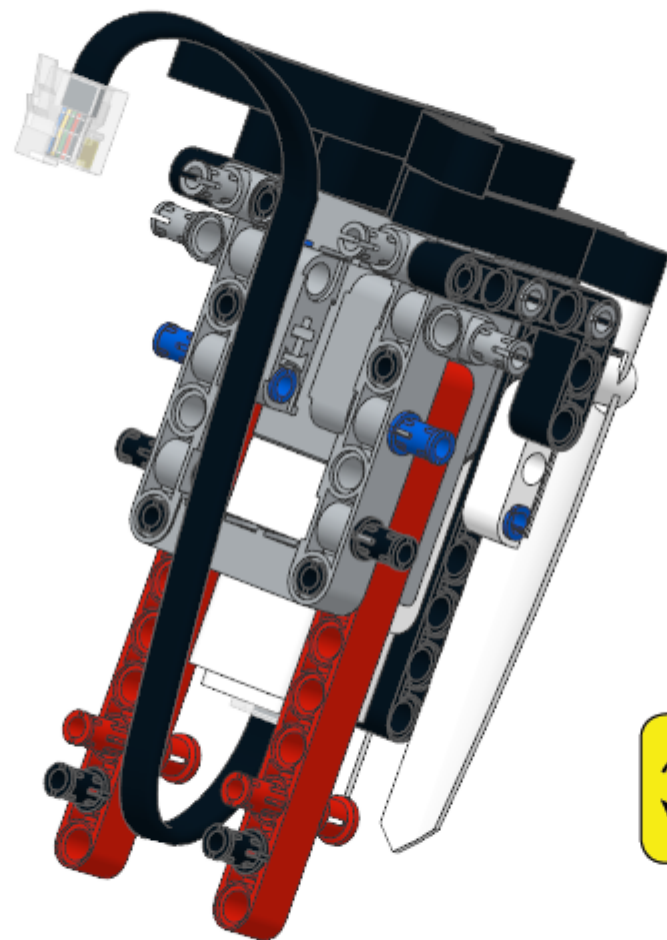
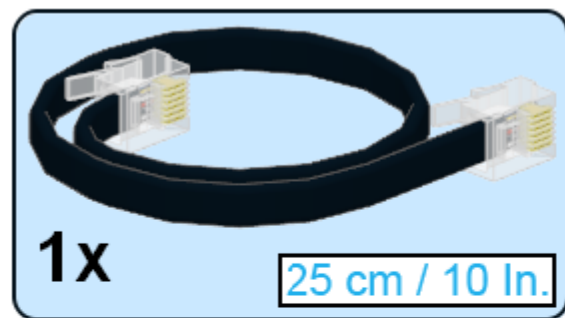
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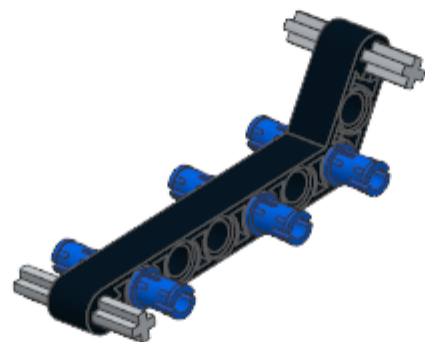
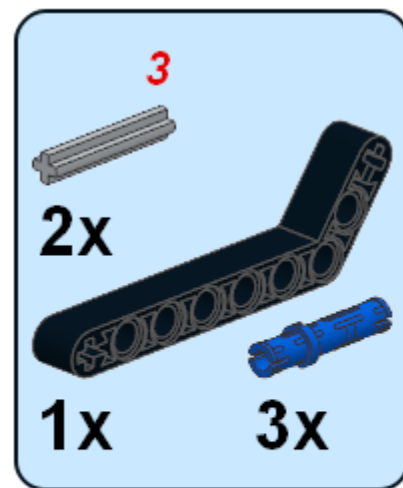
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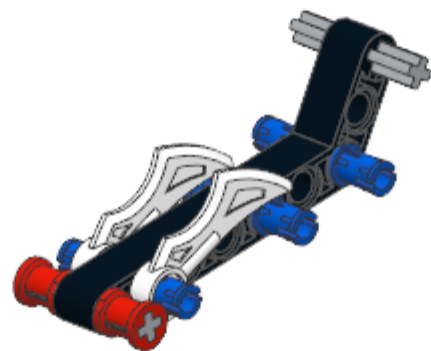
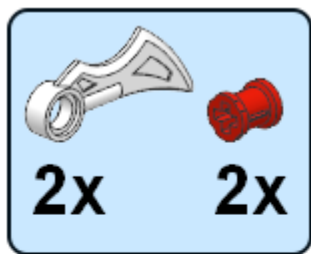
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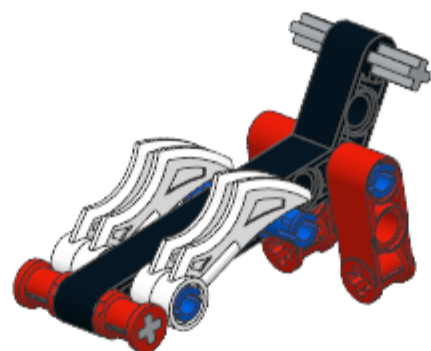
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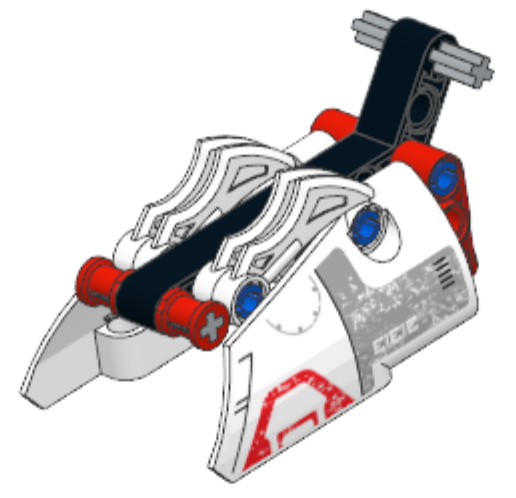
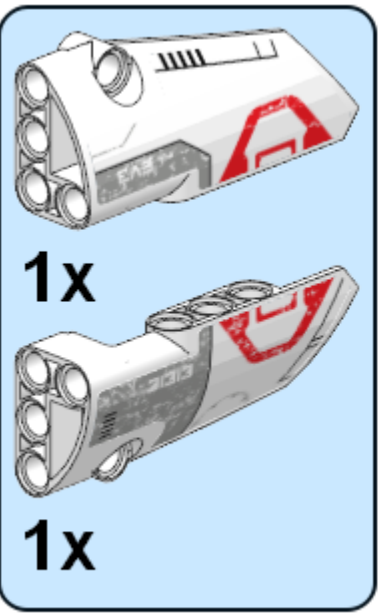
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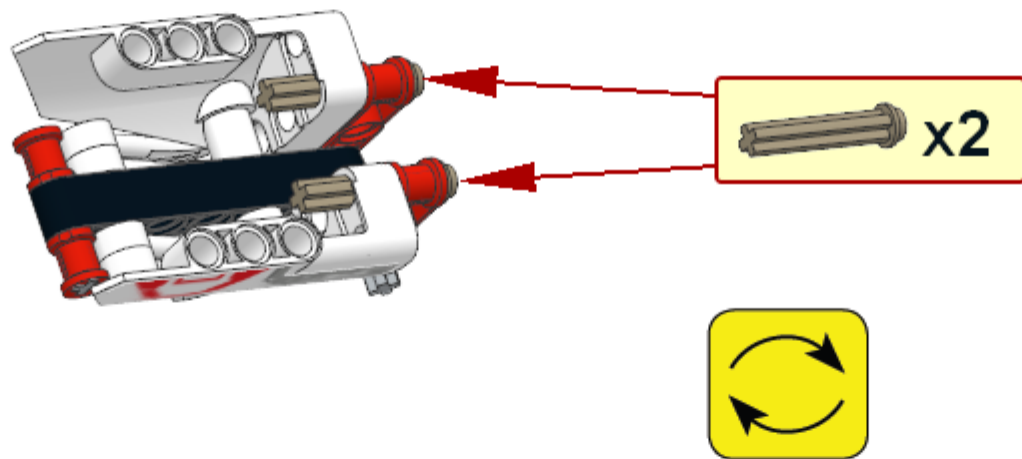
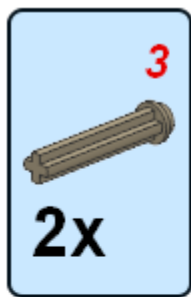
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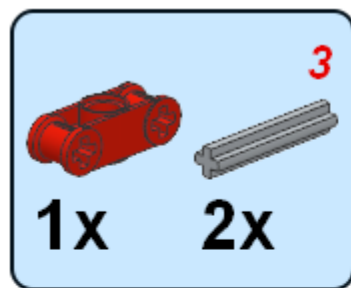
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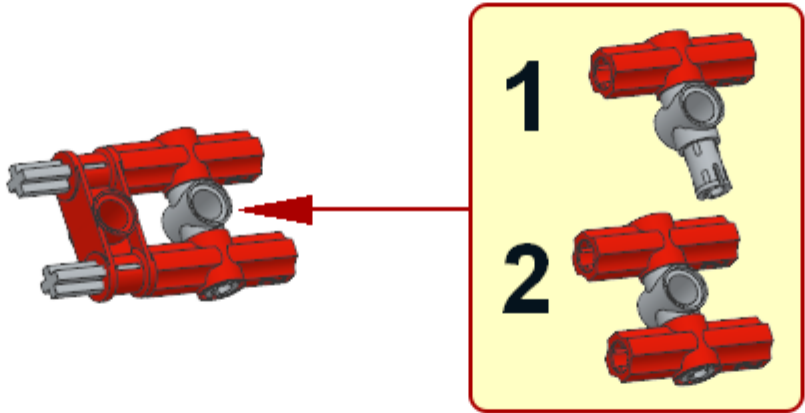
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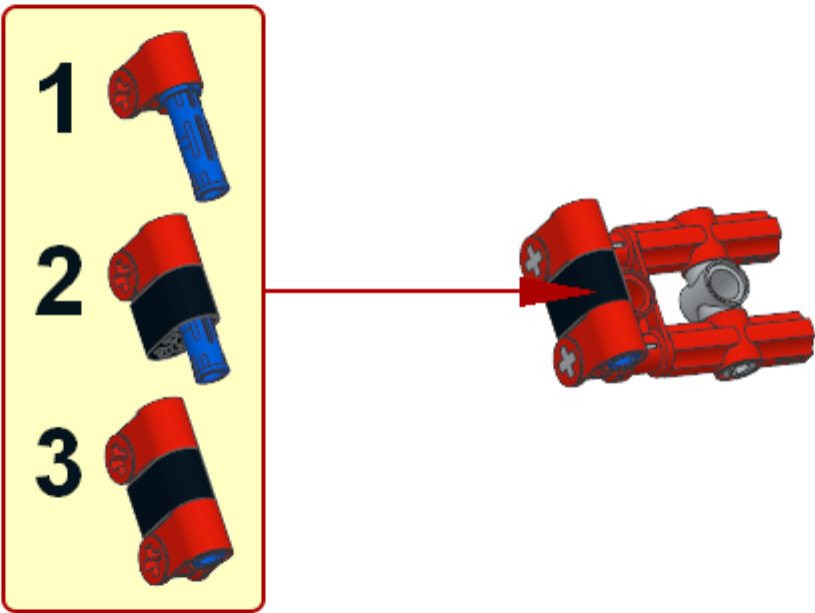


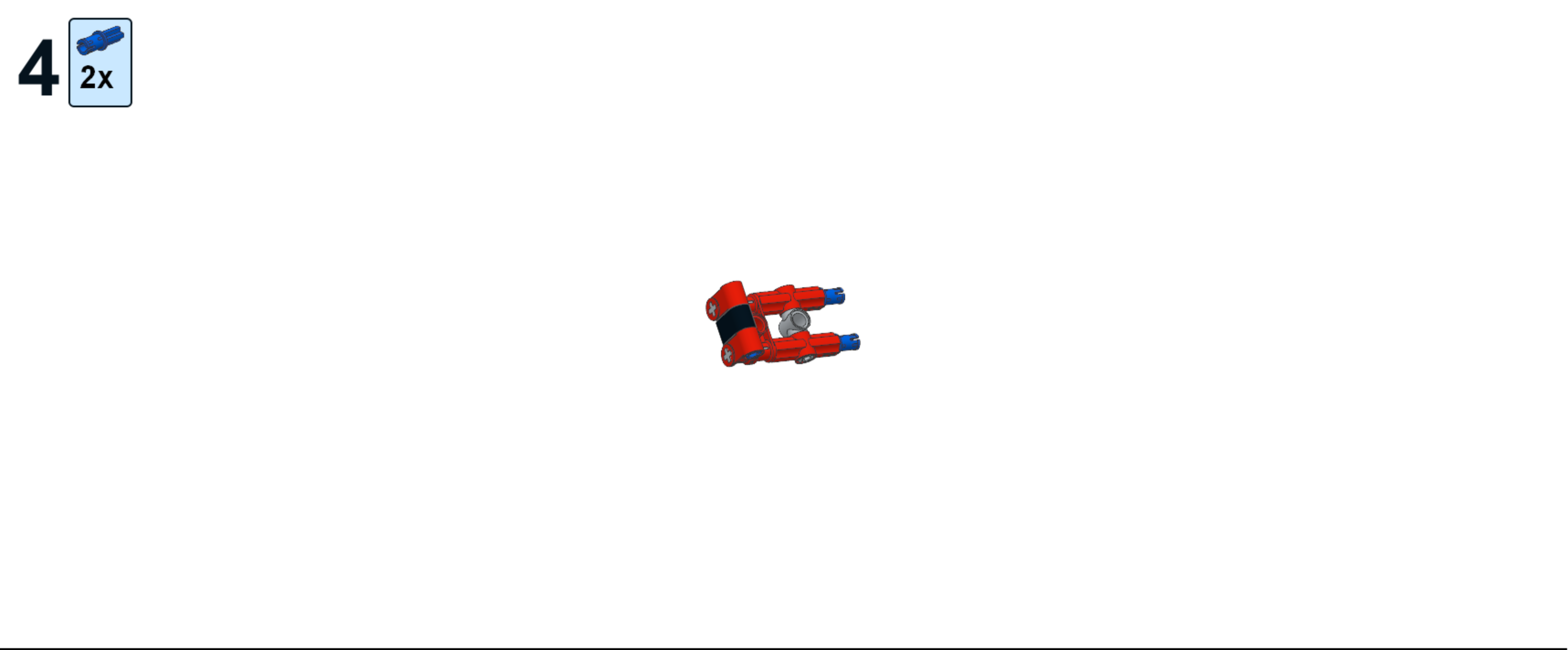
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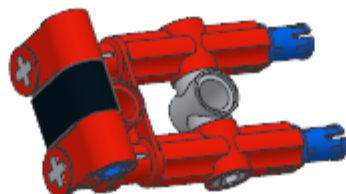

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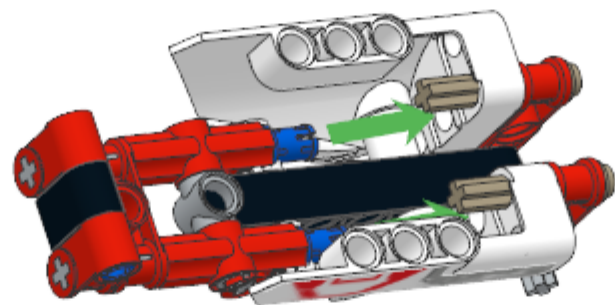




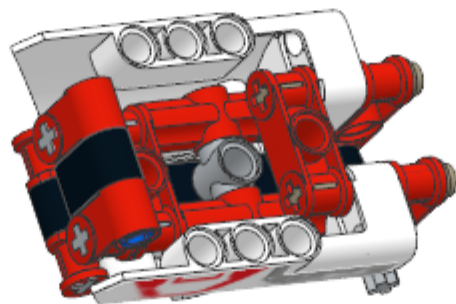
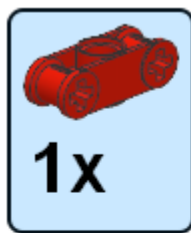
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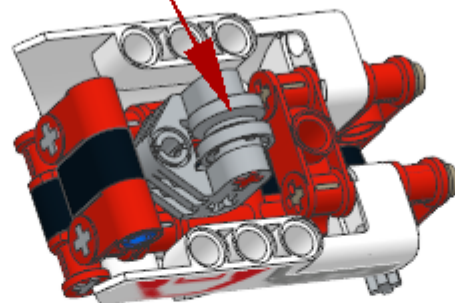
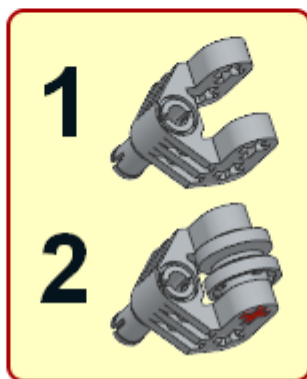
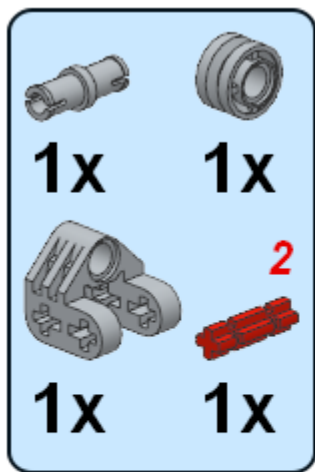
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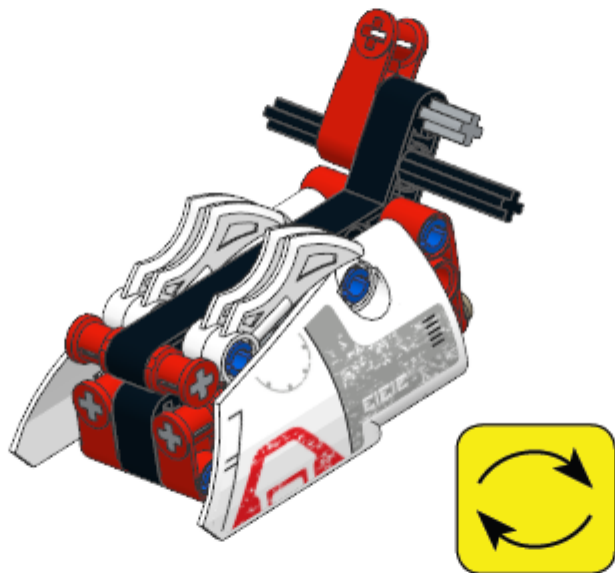
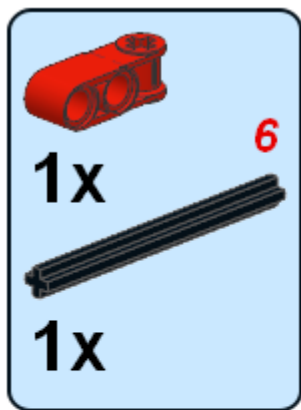
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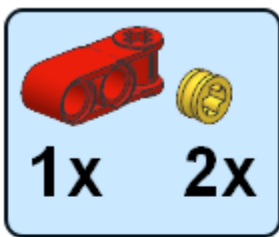
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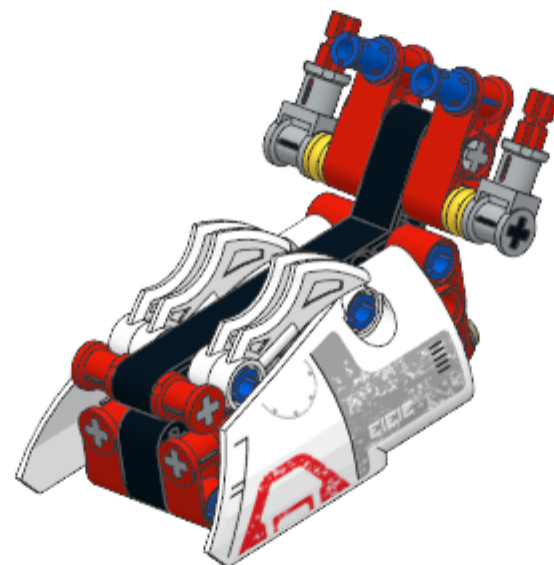
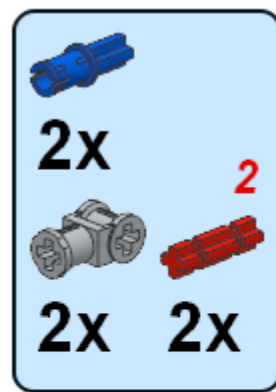
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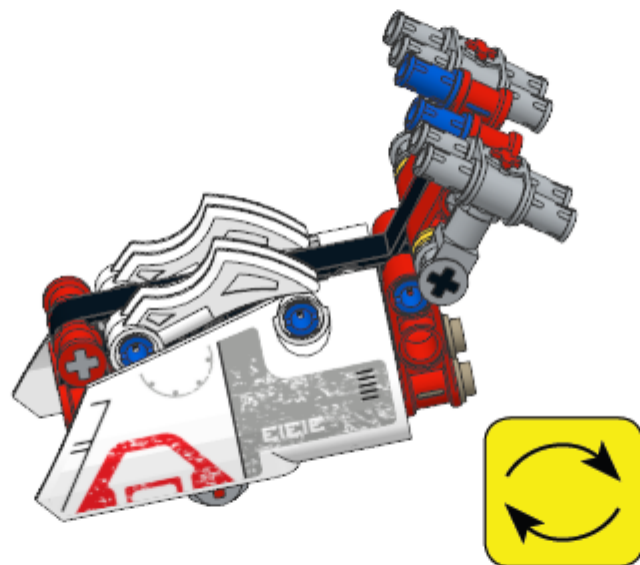
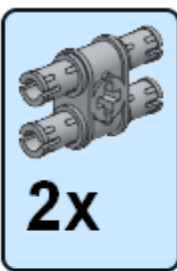
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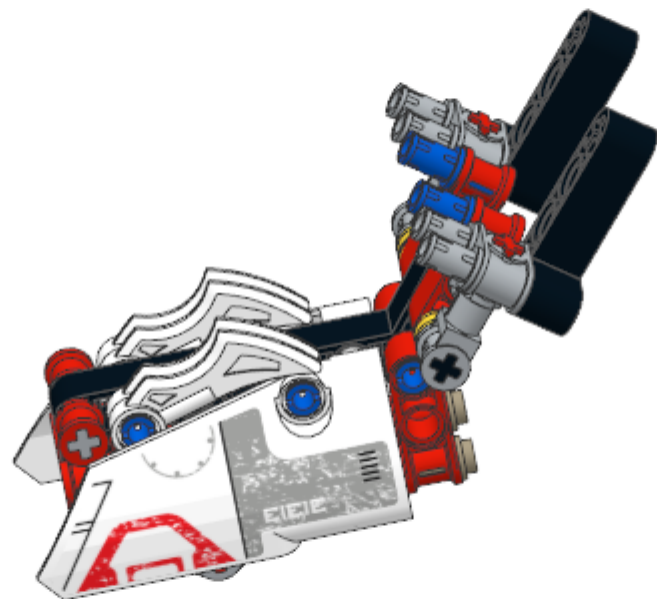
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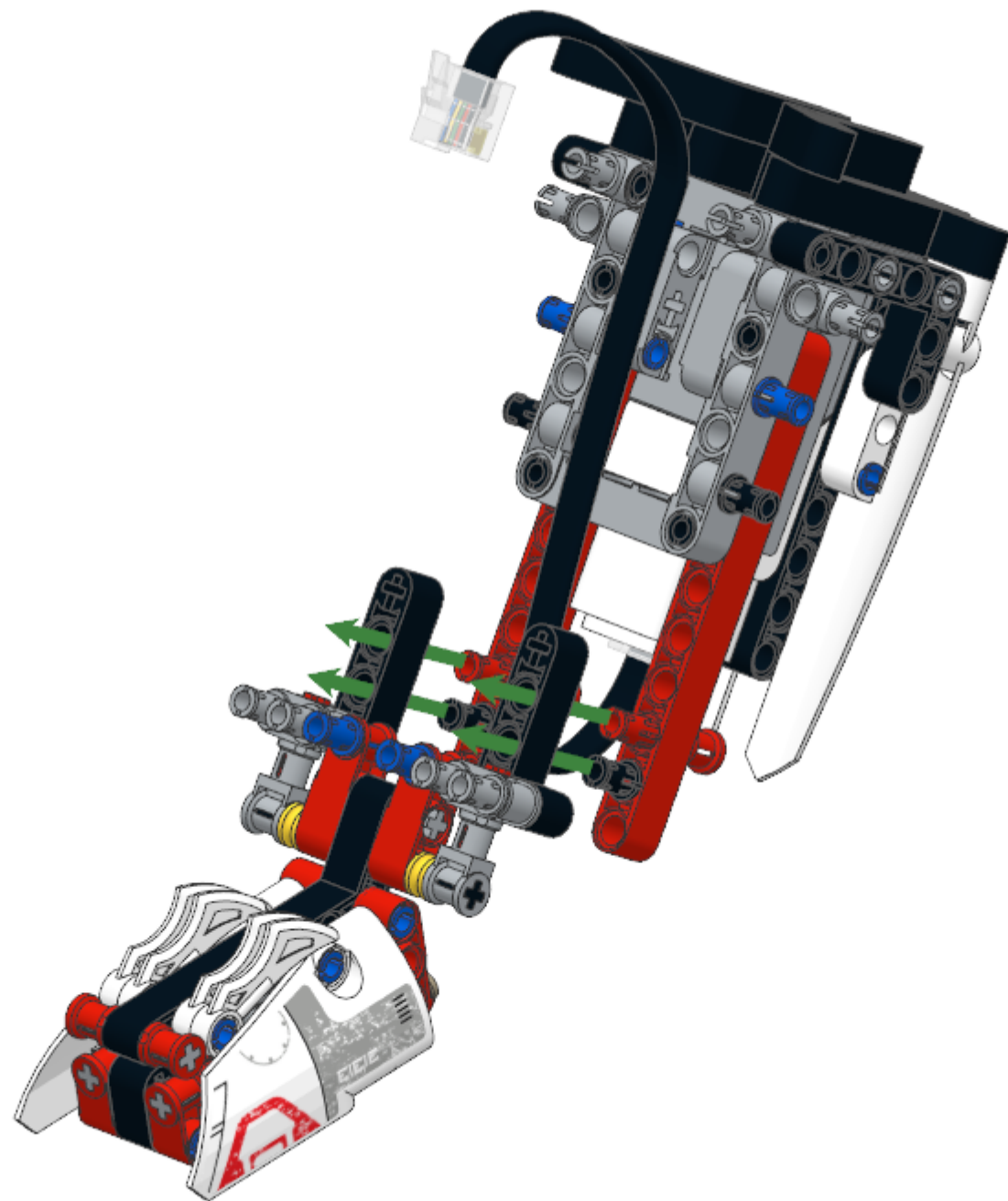
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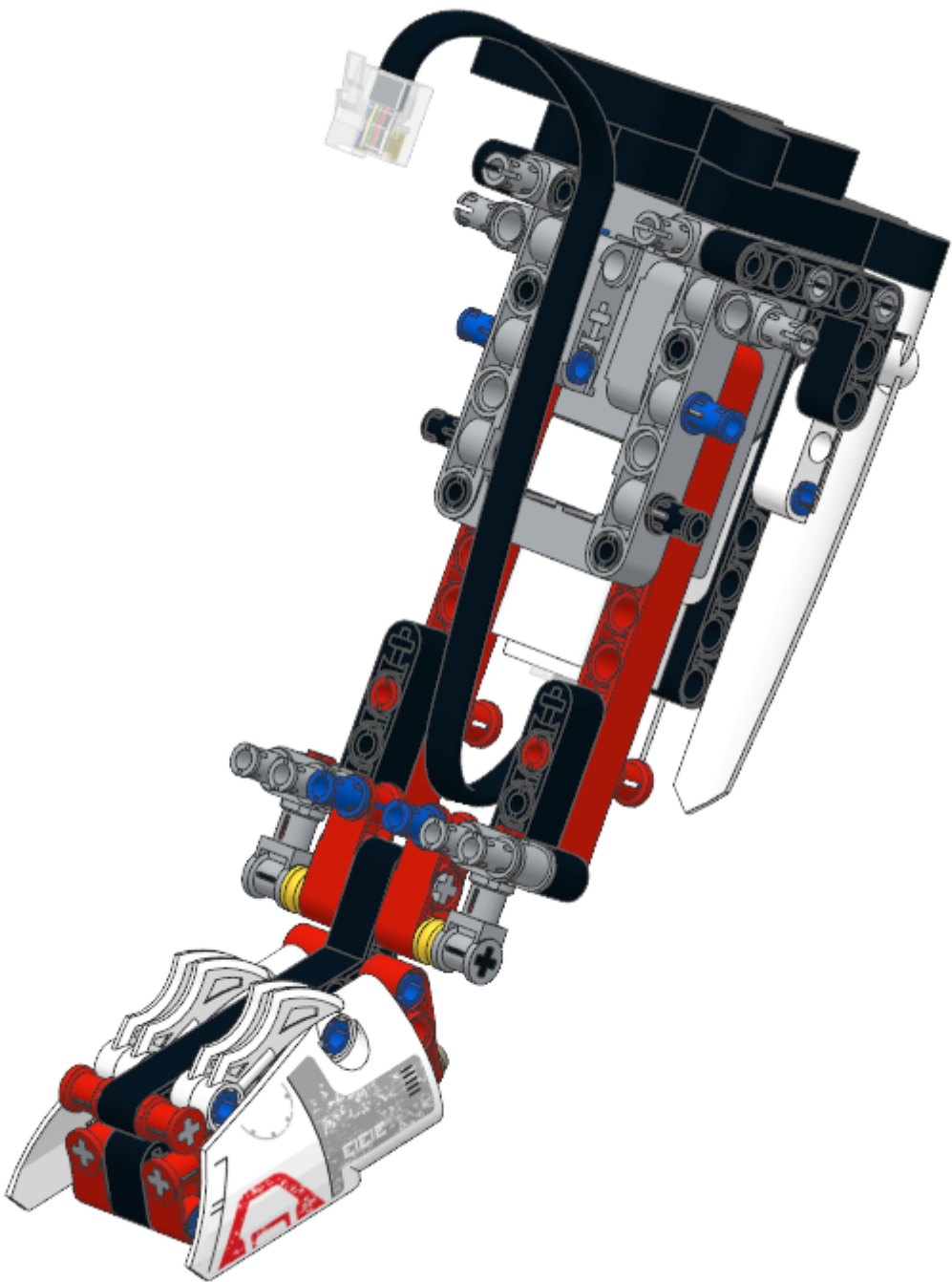
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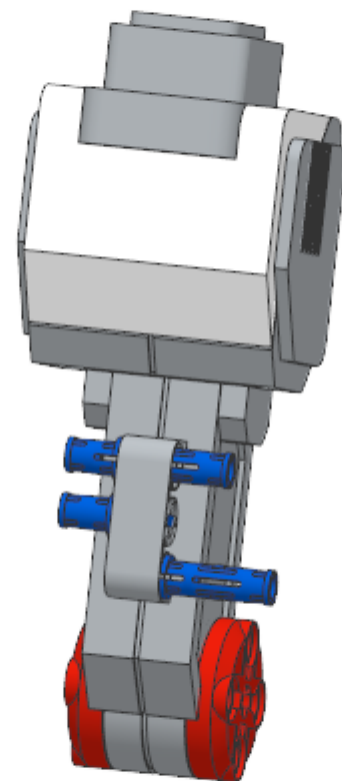
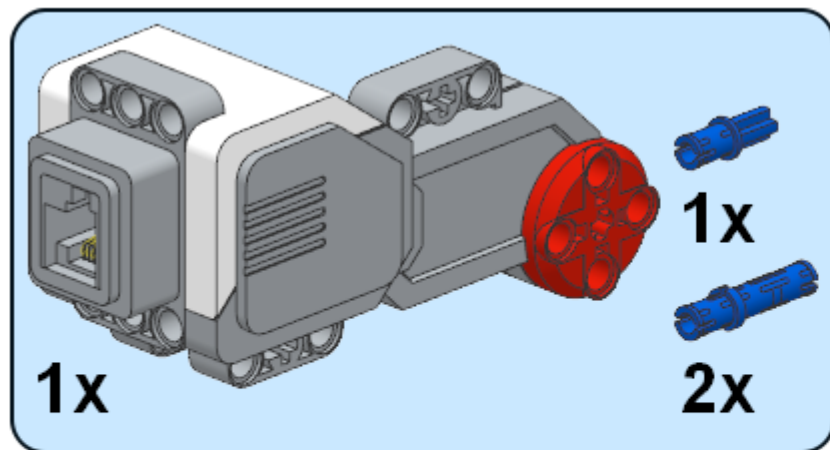
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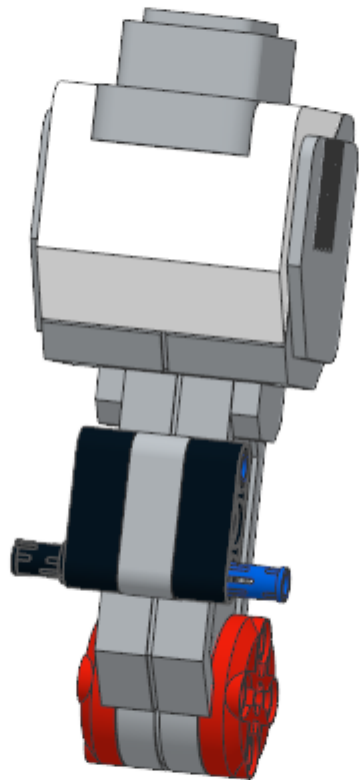
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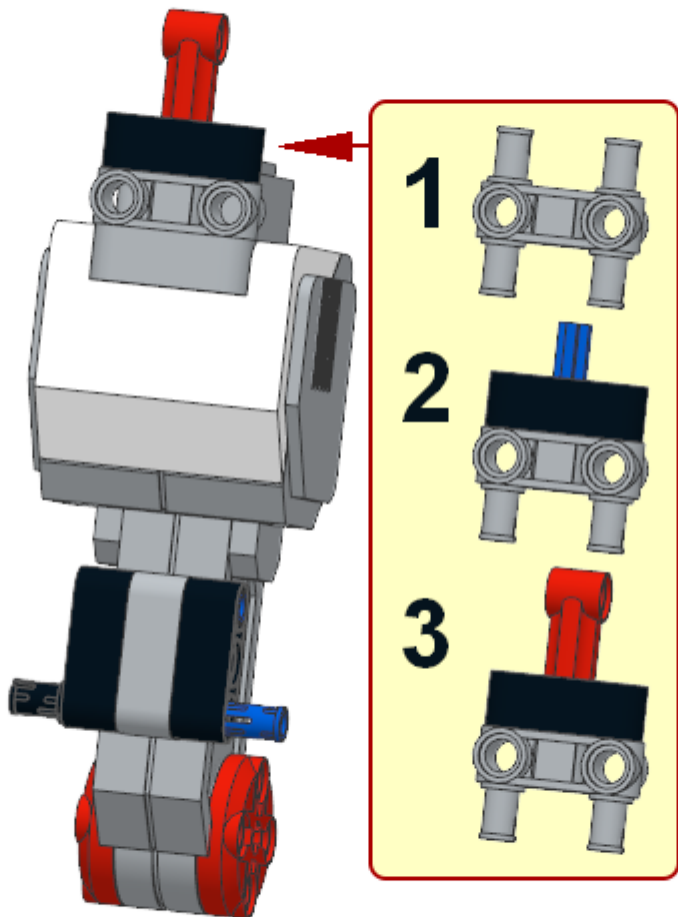
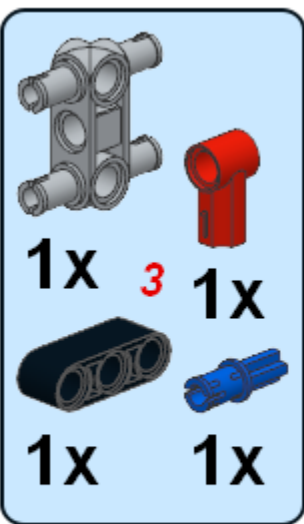
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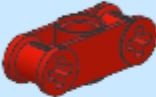


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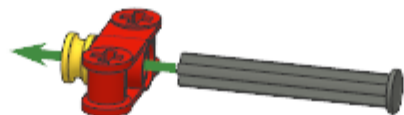
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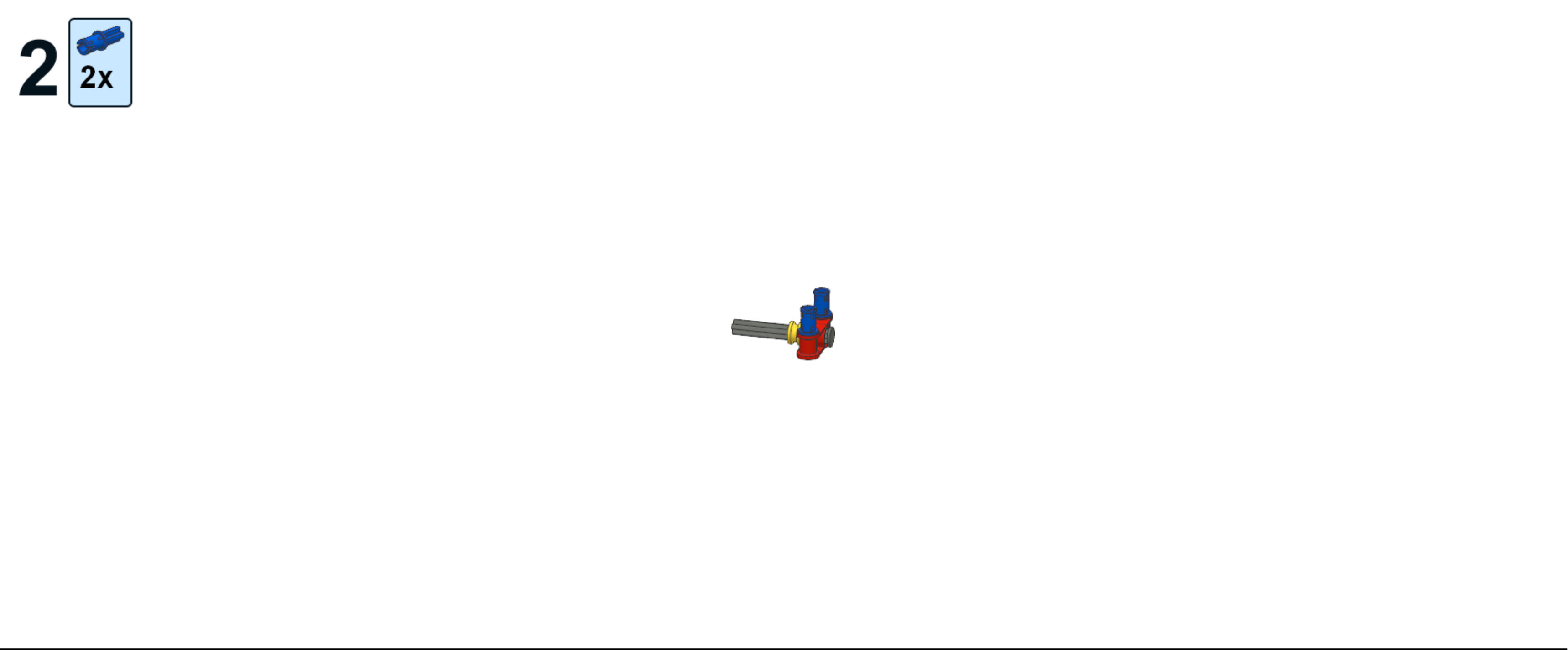

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1x

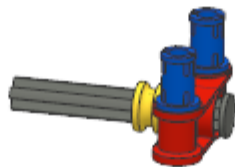

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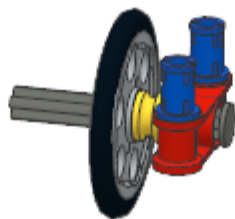
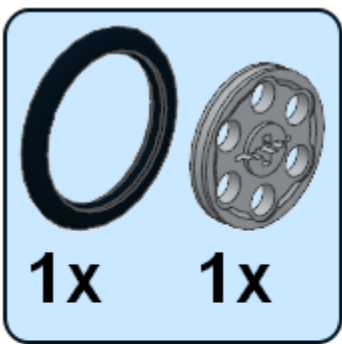




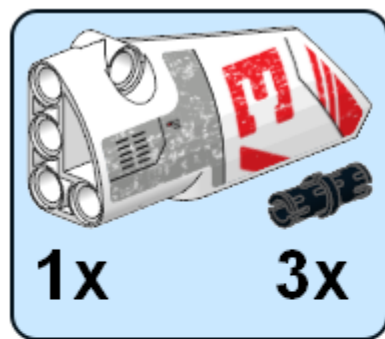
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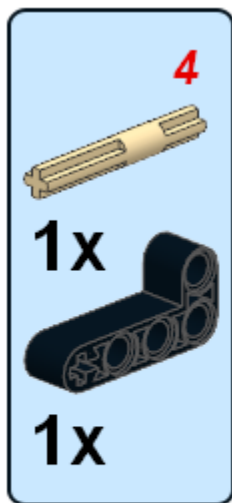
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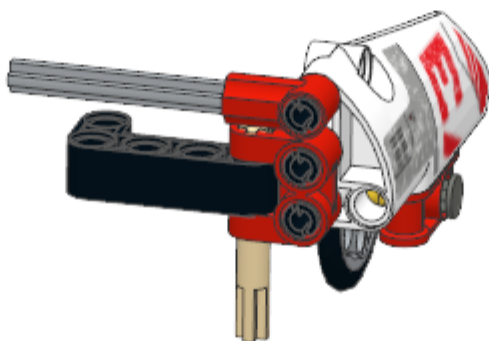
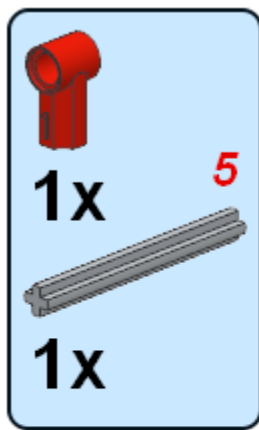
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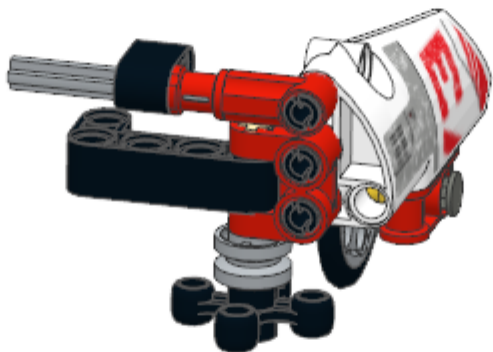
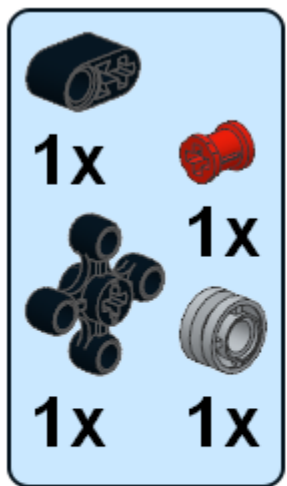
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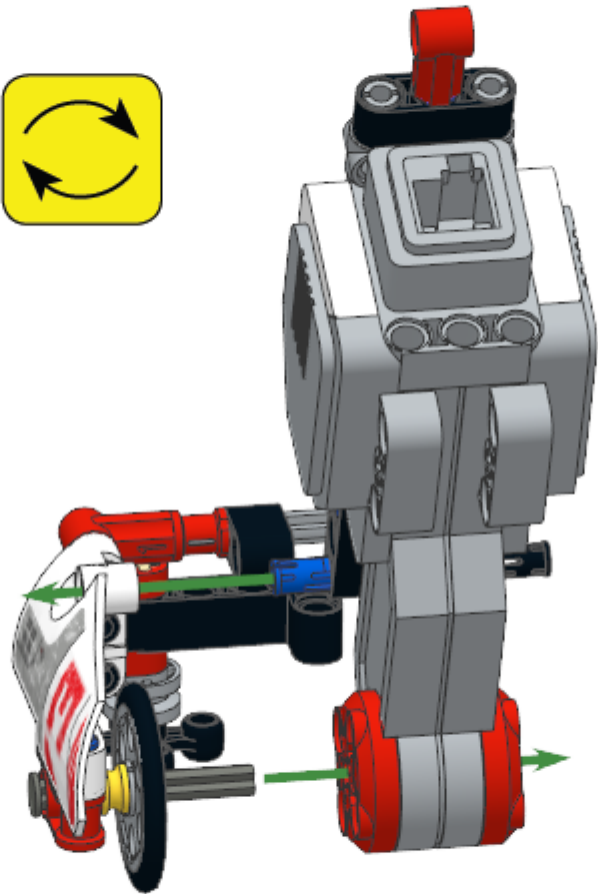
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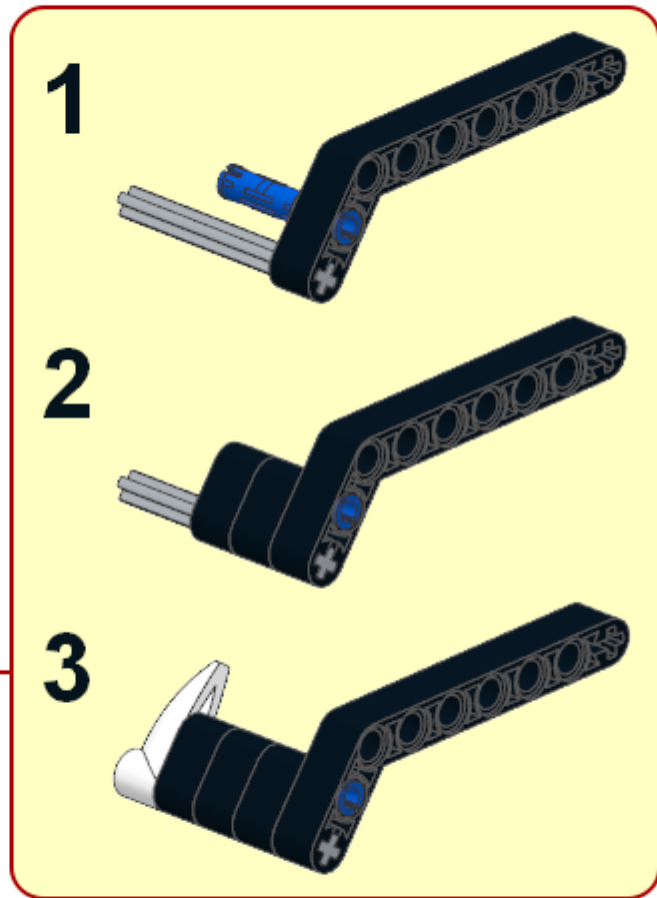
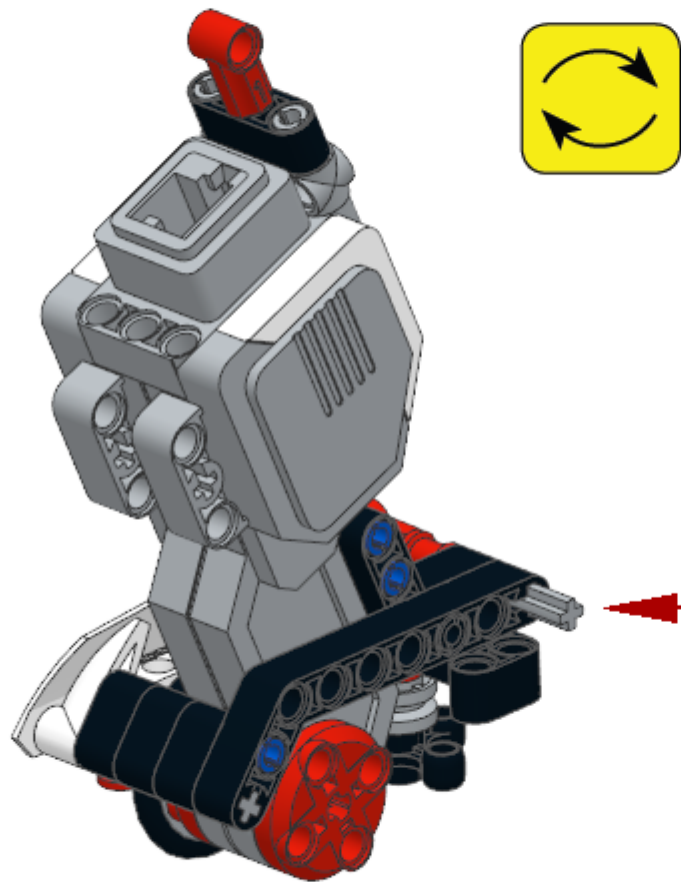
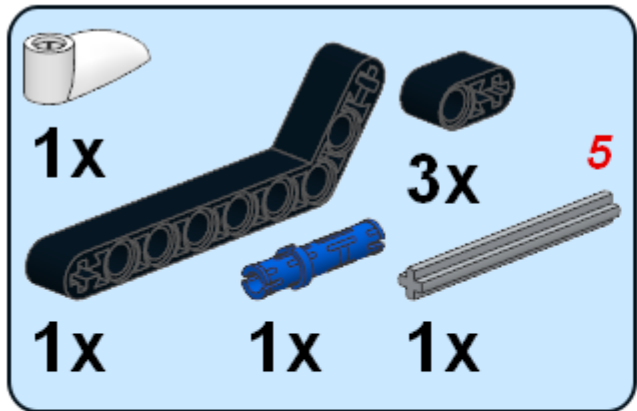
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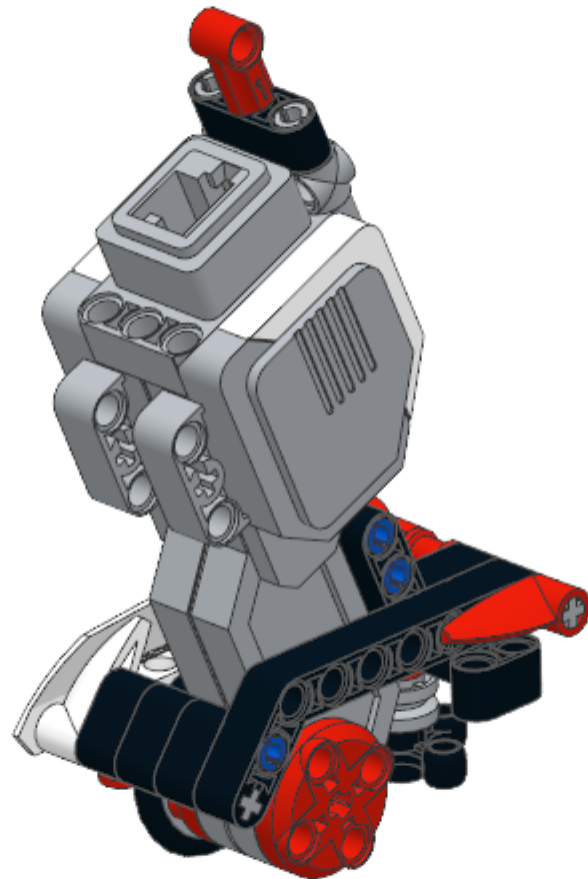
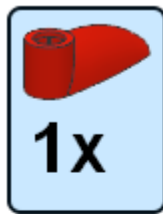
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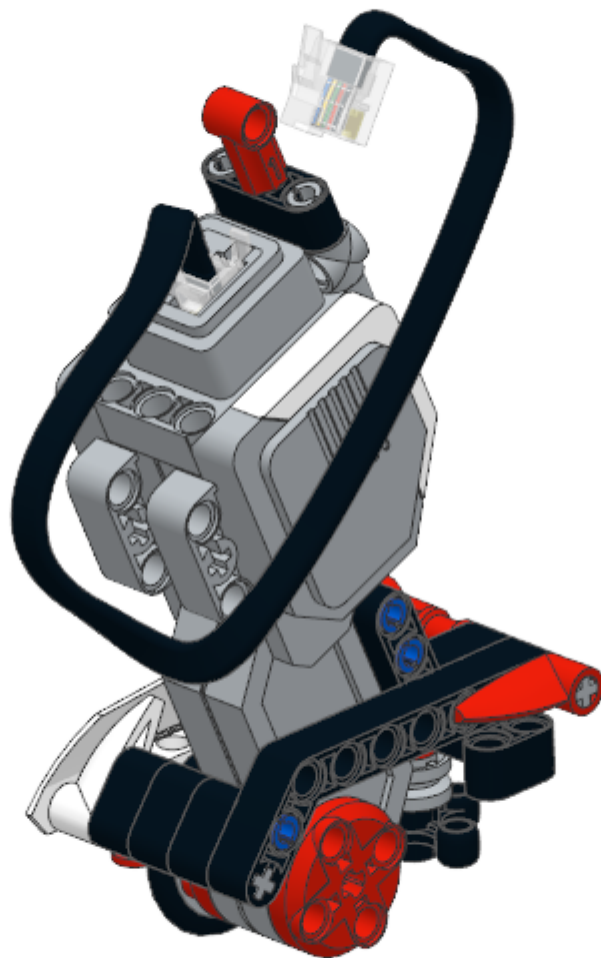
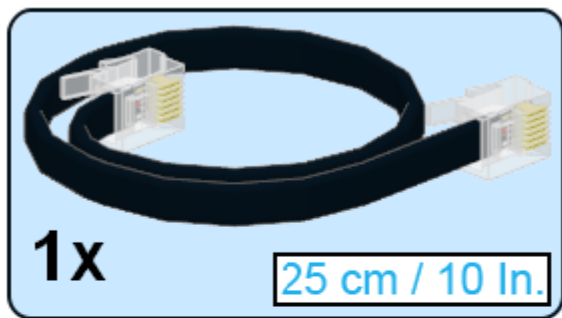
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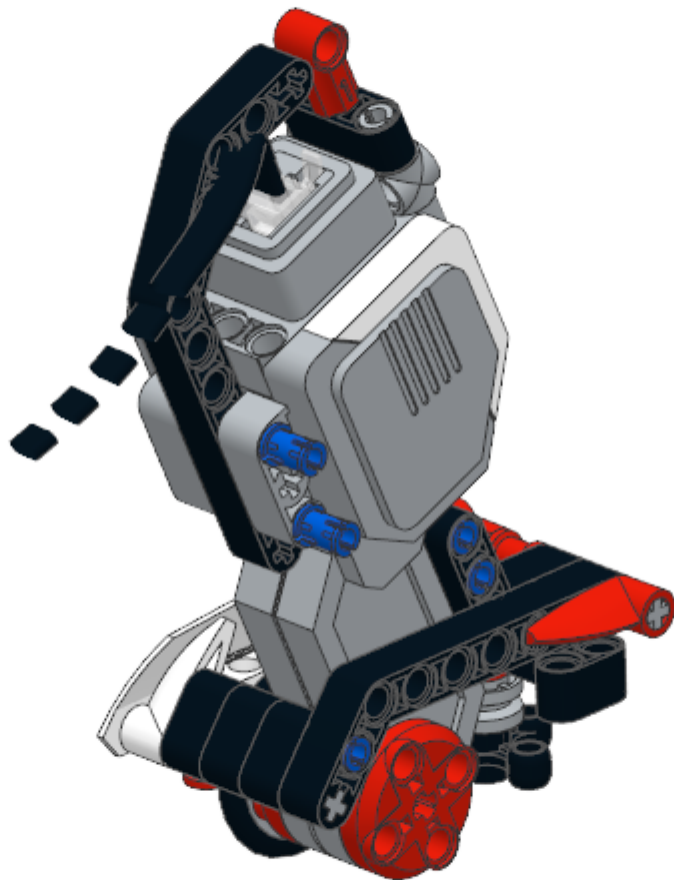
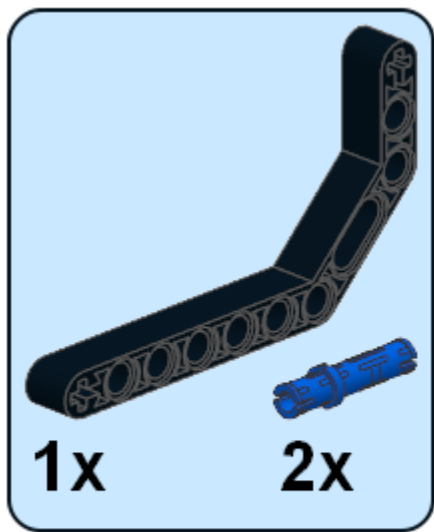
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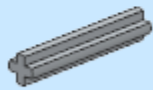
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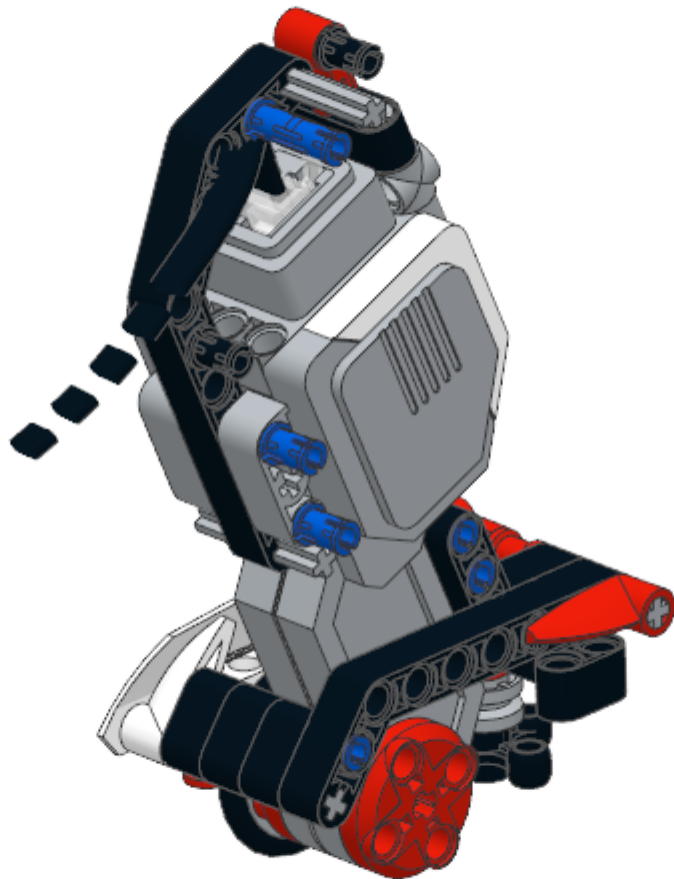
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1x 3



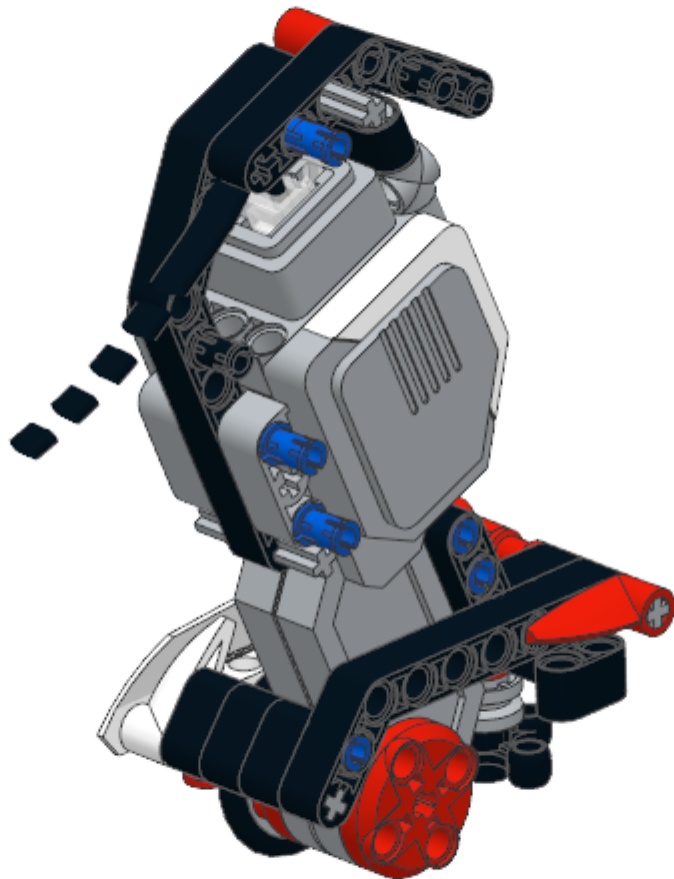
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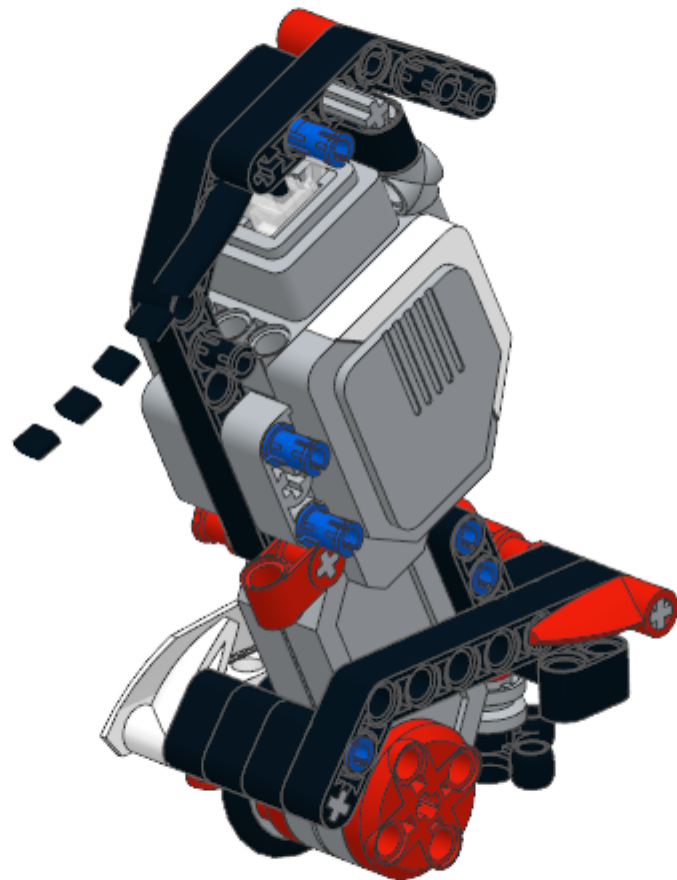
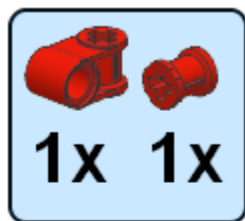
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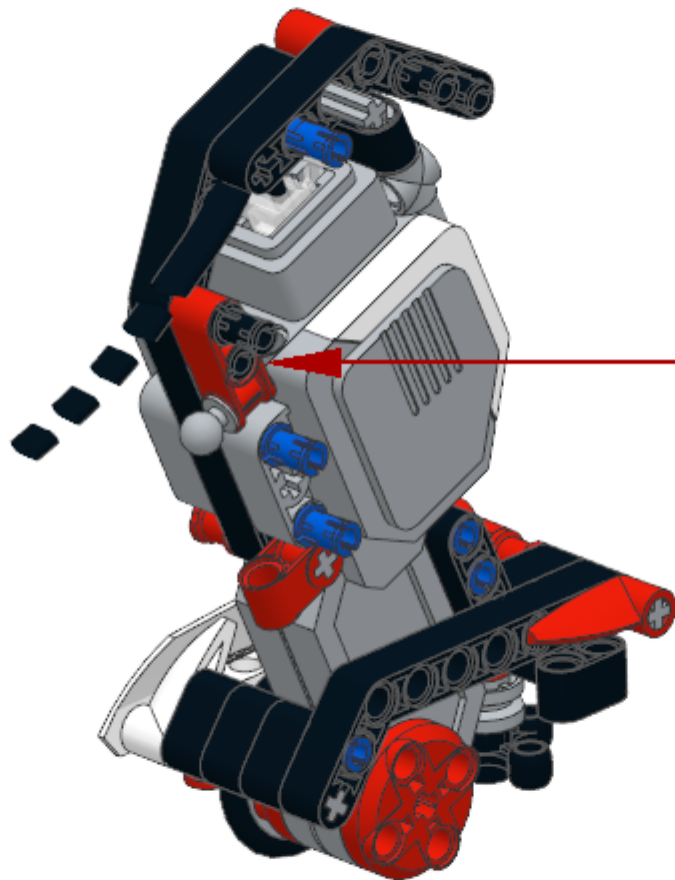
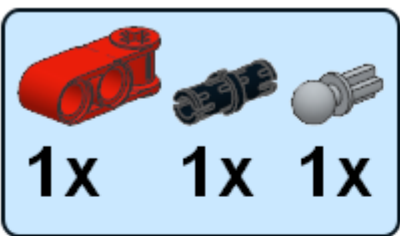
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11



12



13



1x

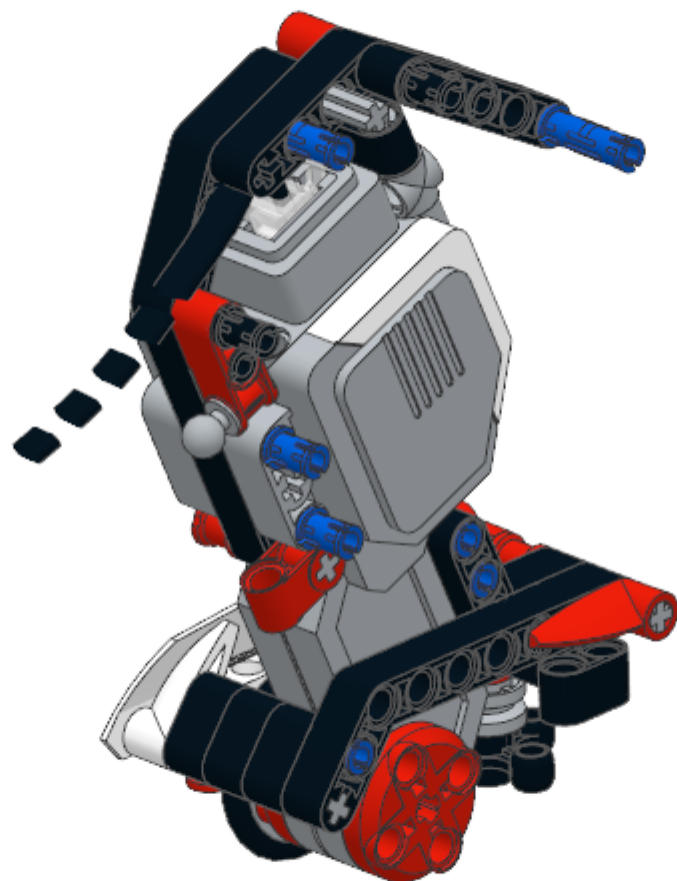


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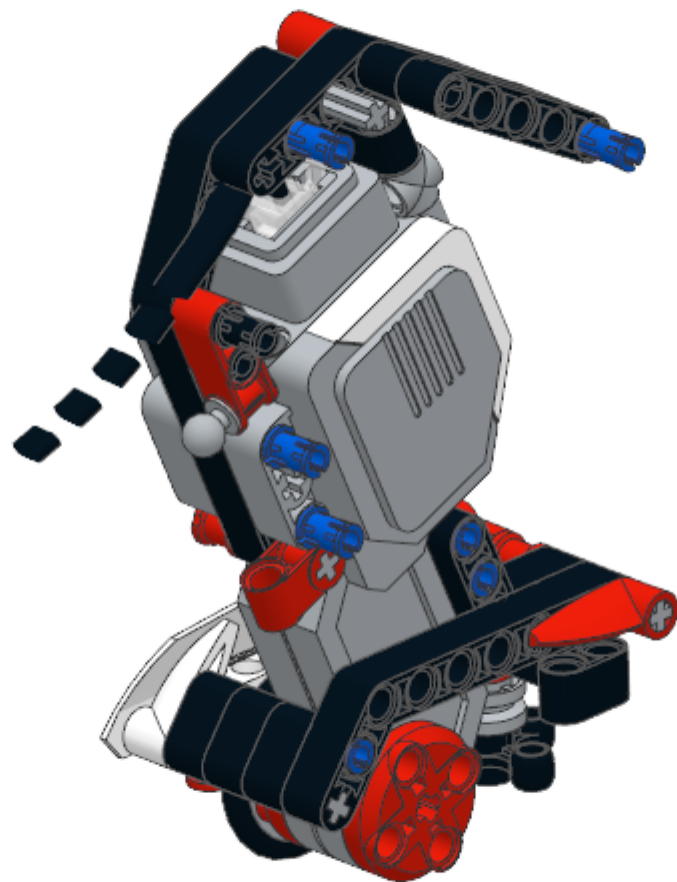
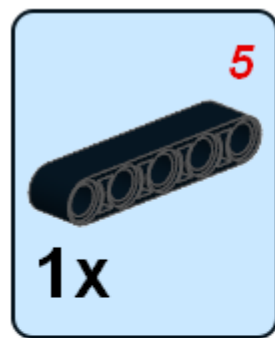
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1x



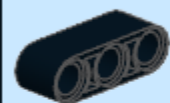
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15



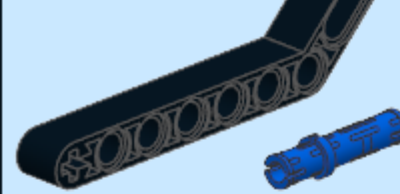
2x ³



1x



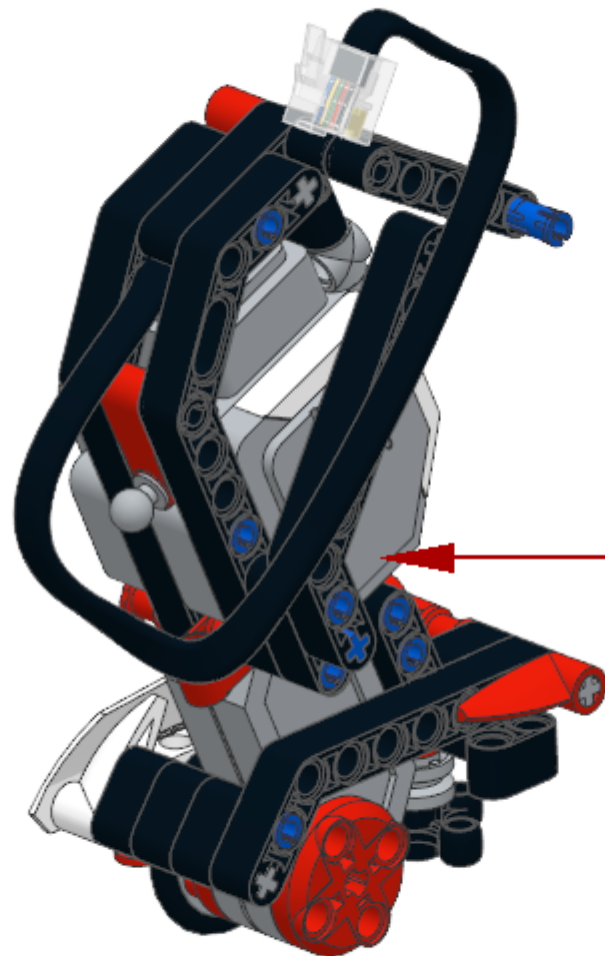
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1x



1x



1



2



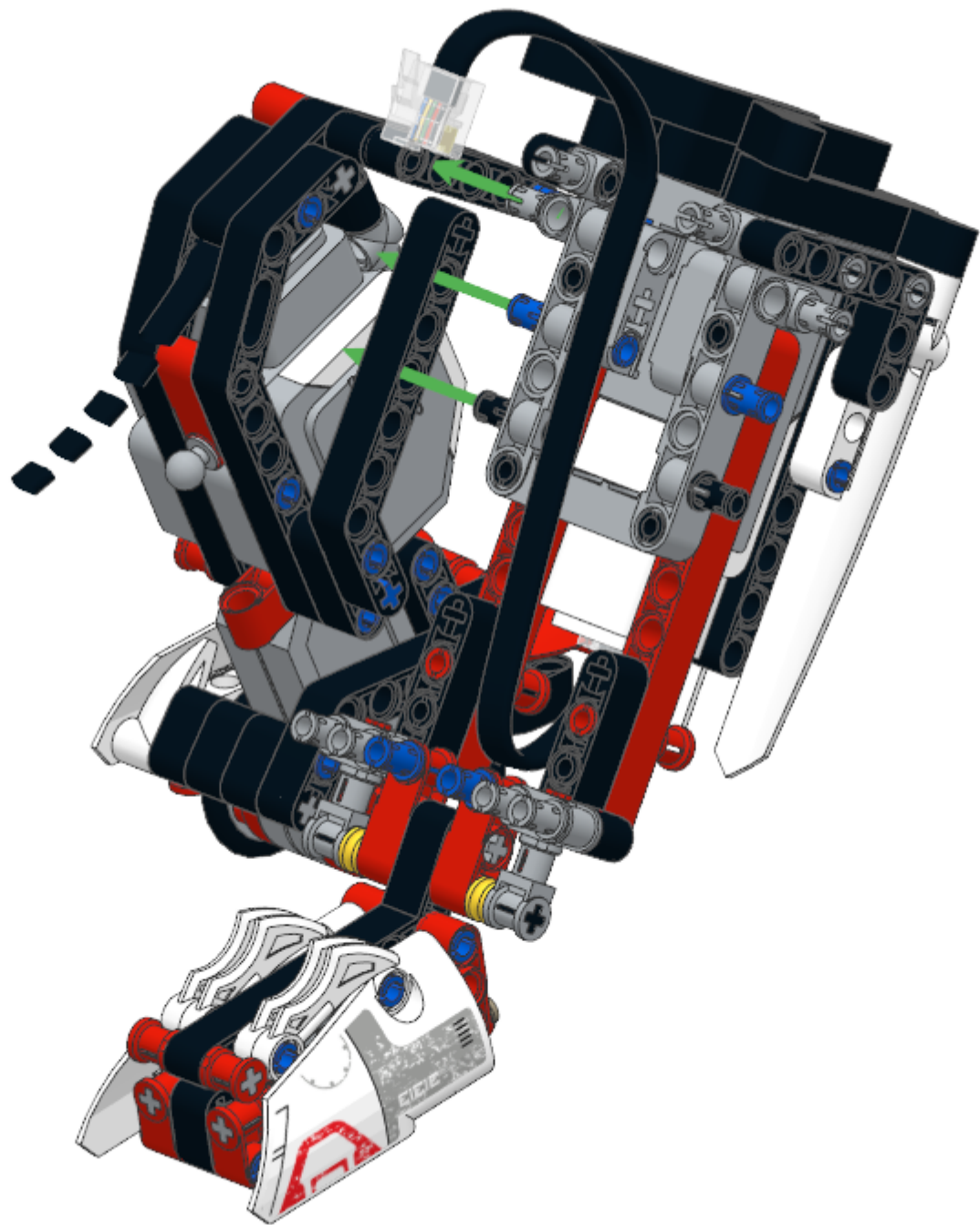
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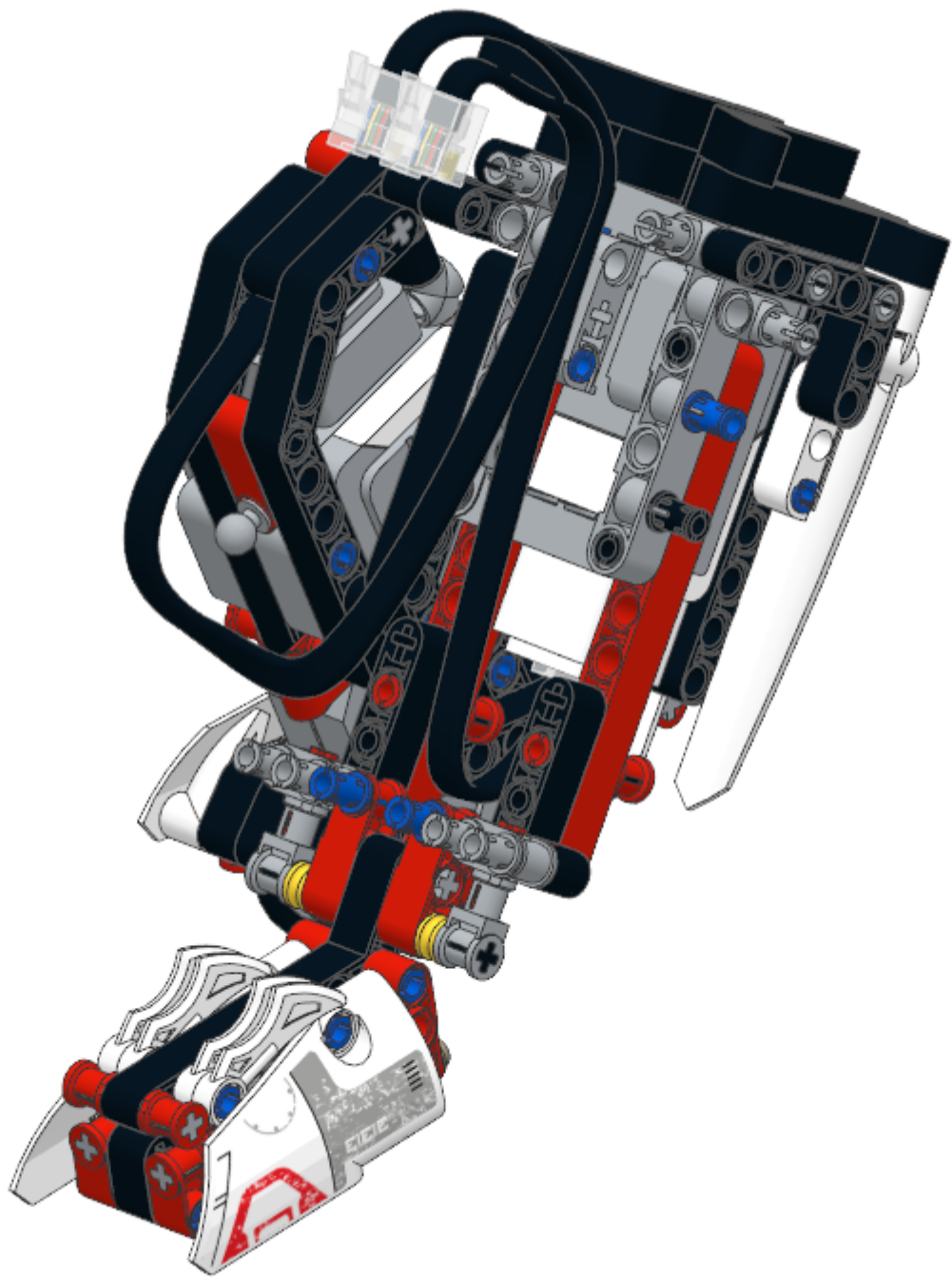
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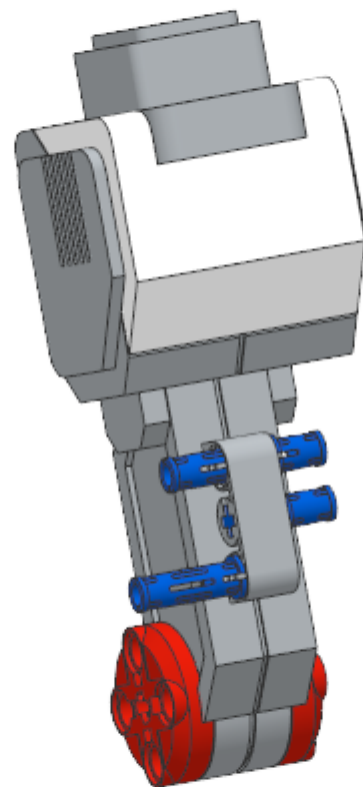
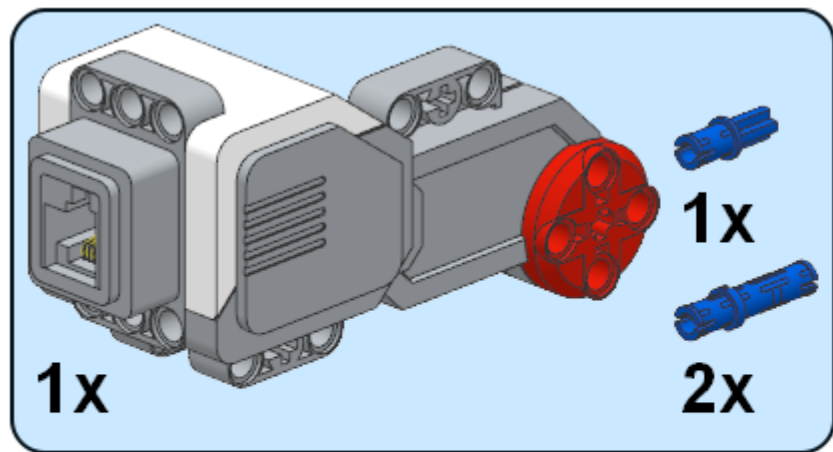
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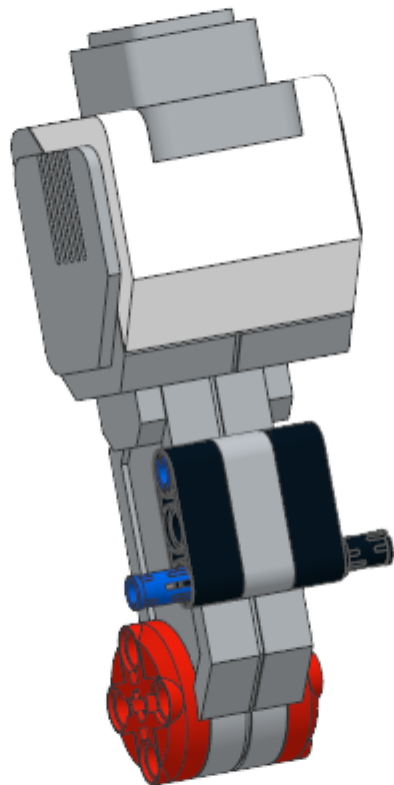
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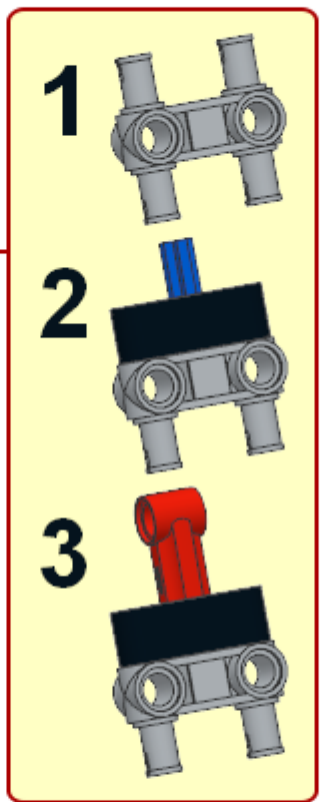
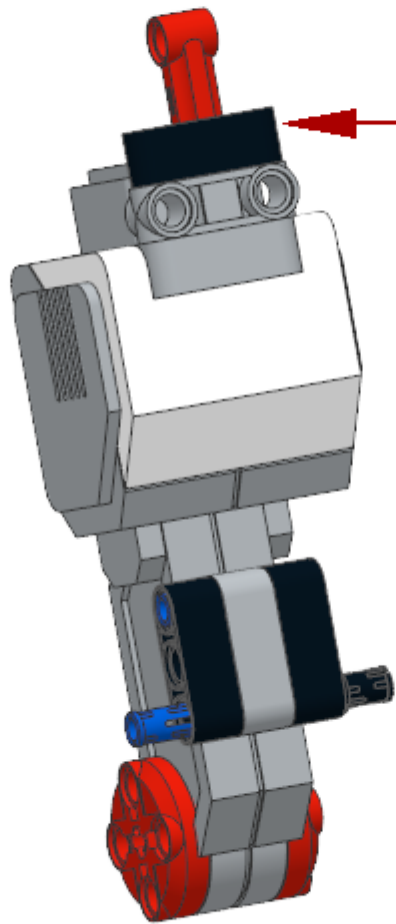
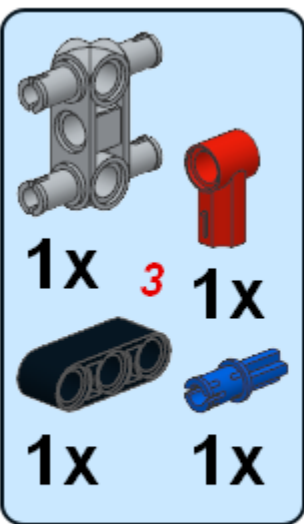
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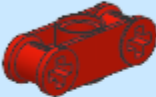


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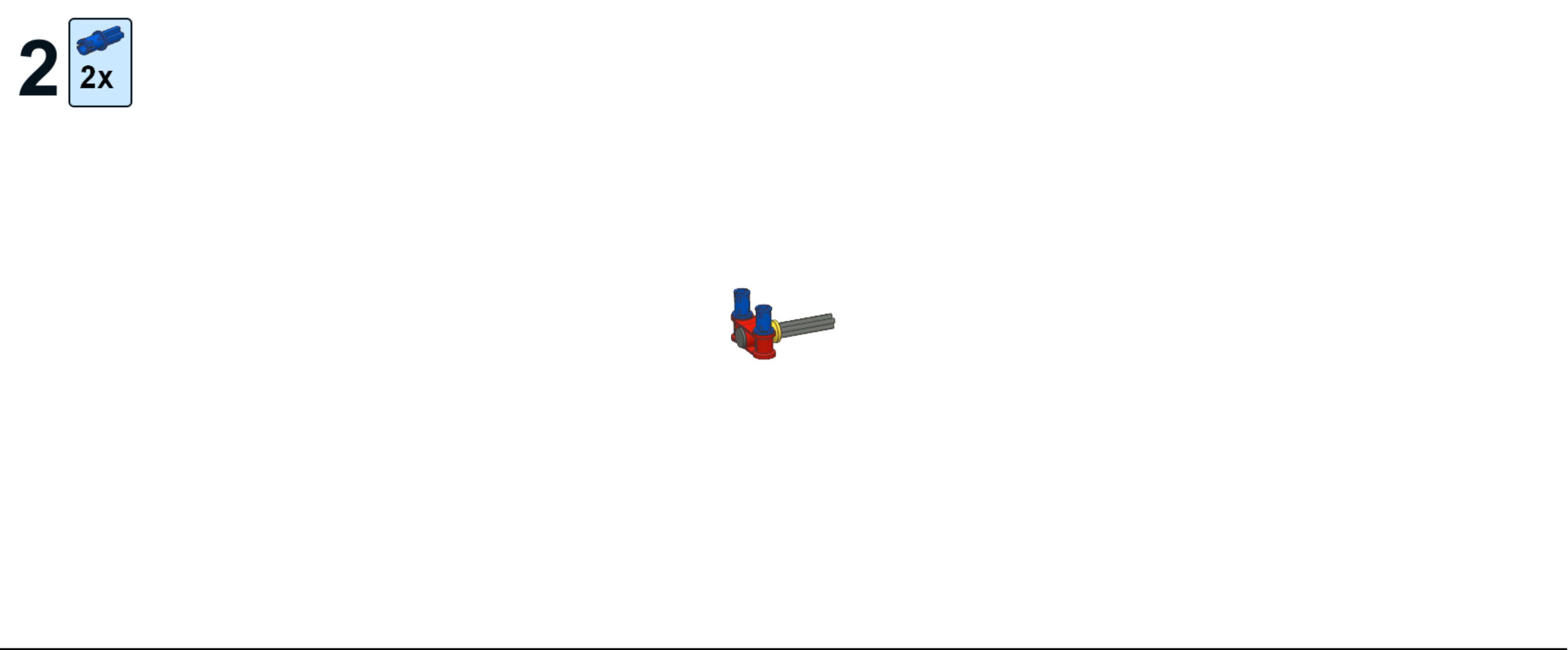

1x


1x


1x

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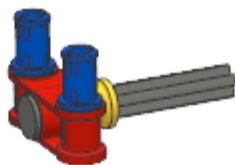




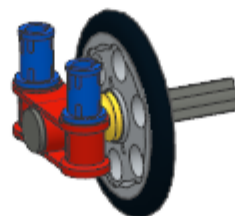
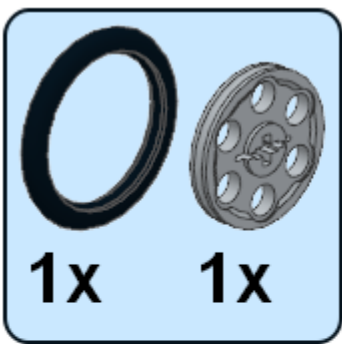
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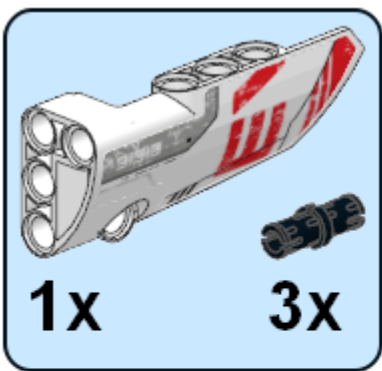
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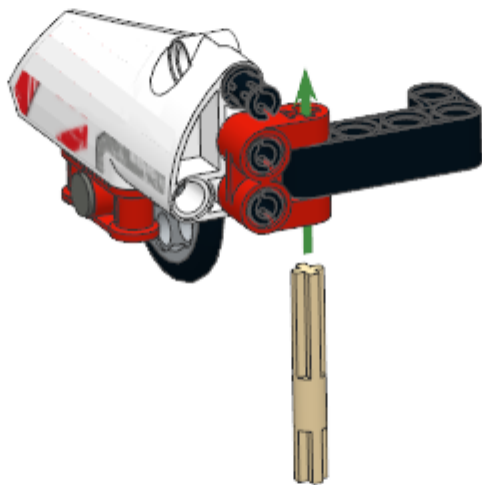
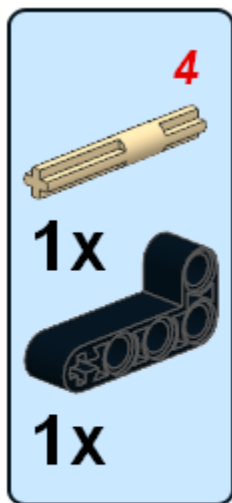
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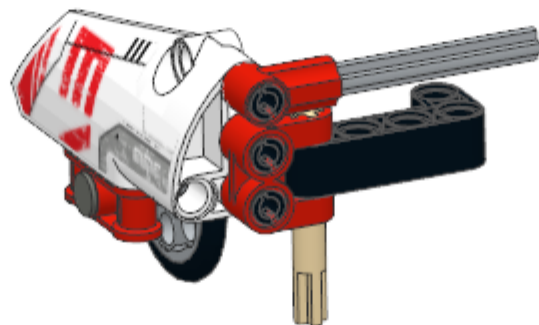
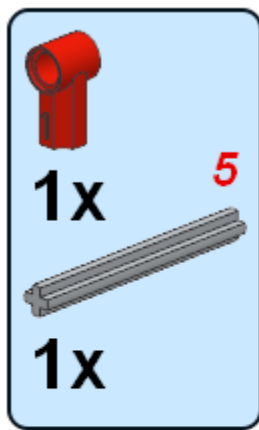
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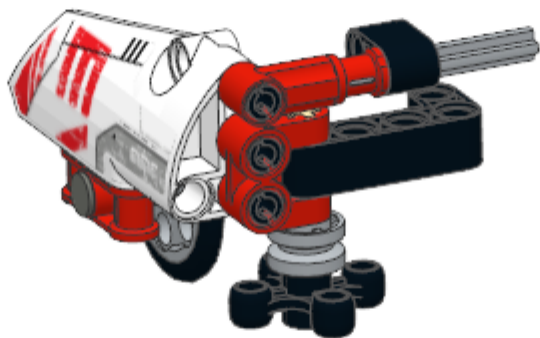
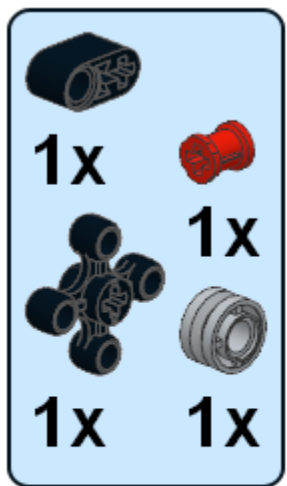
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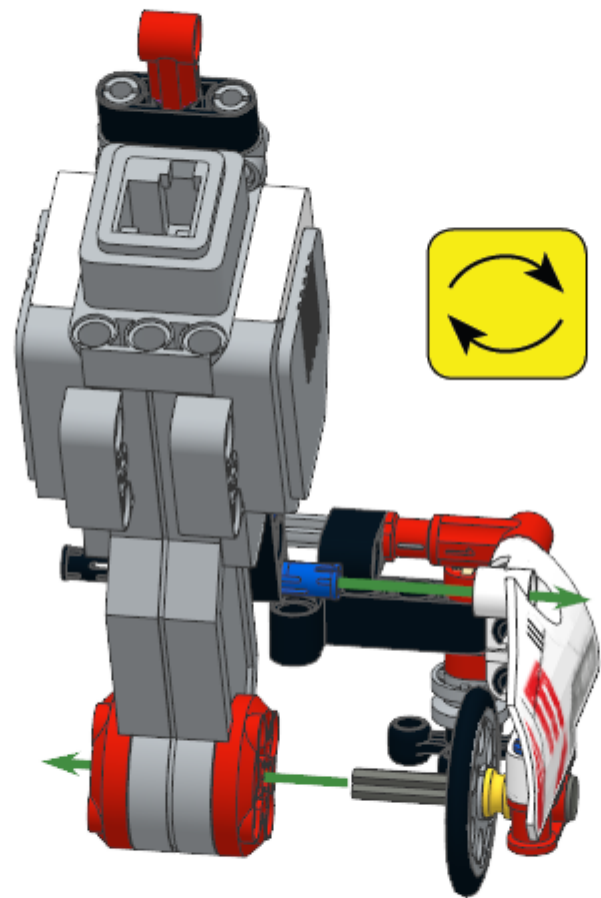
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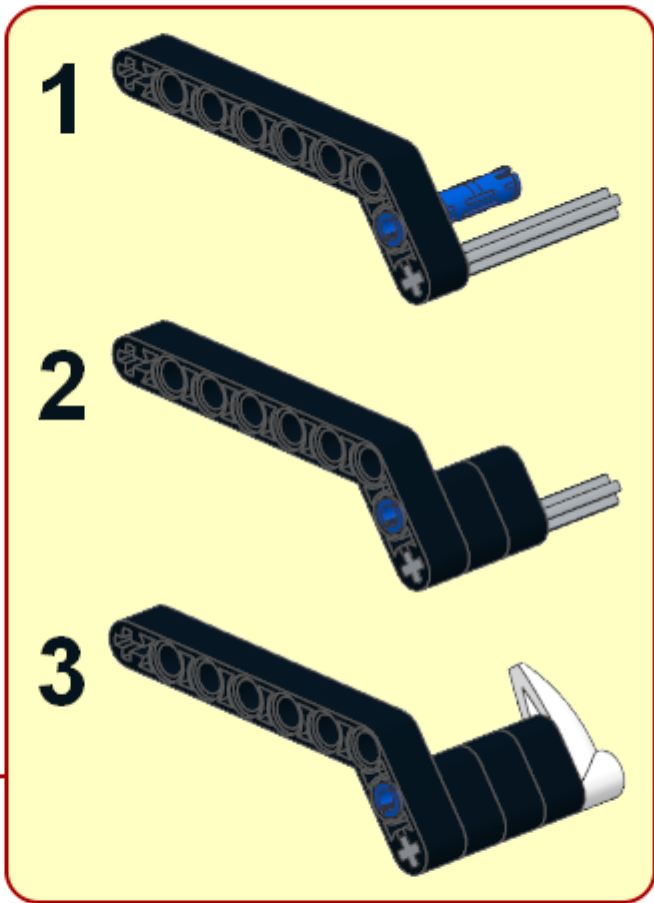
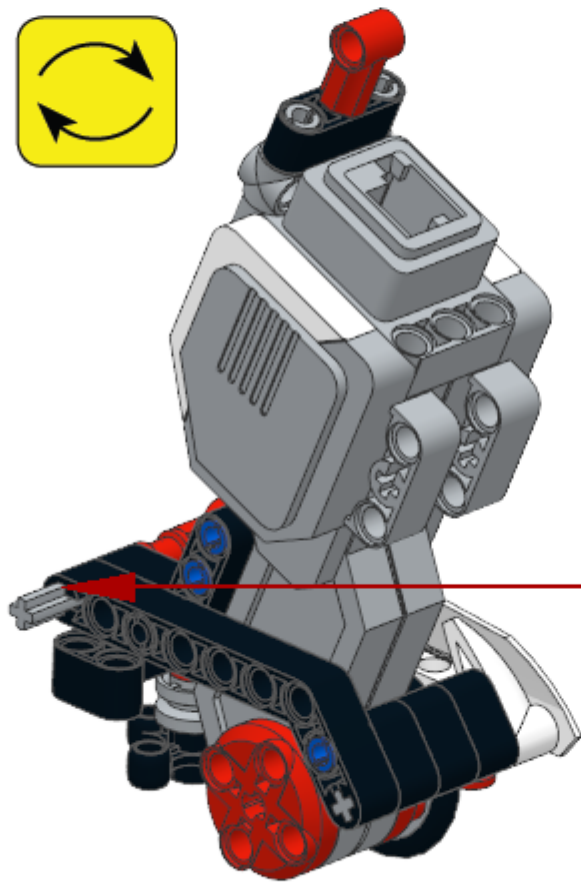
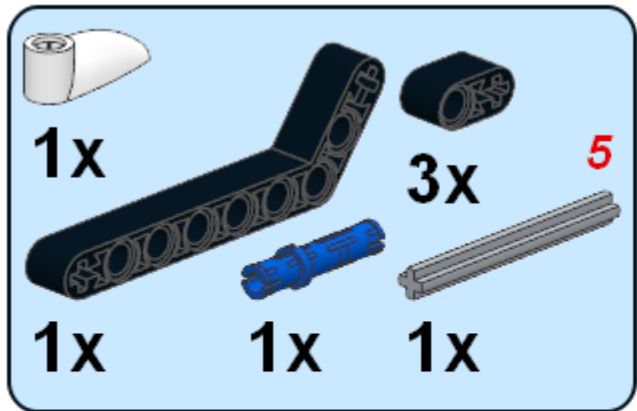
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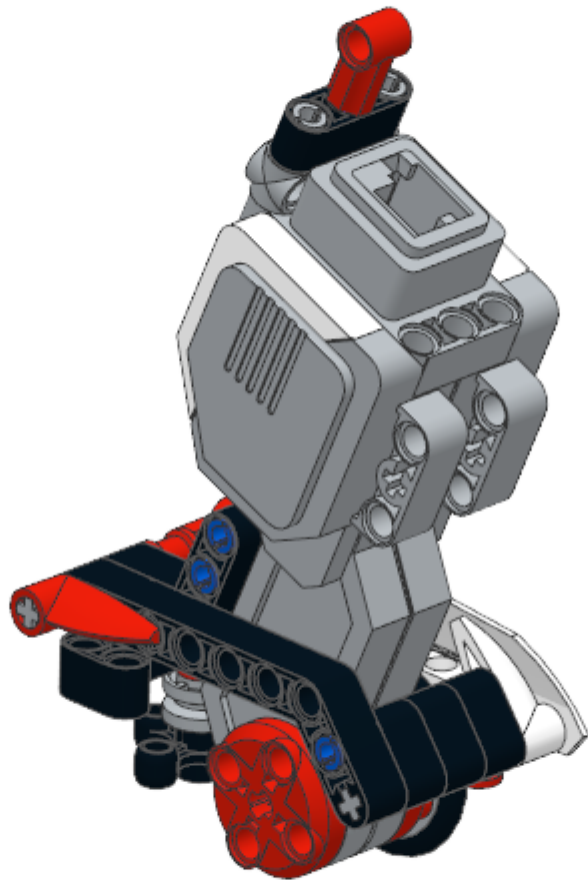
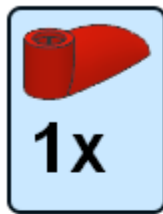
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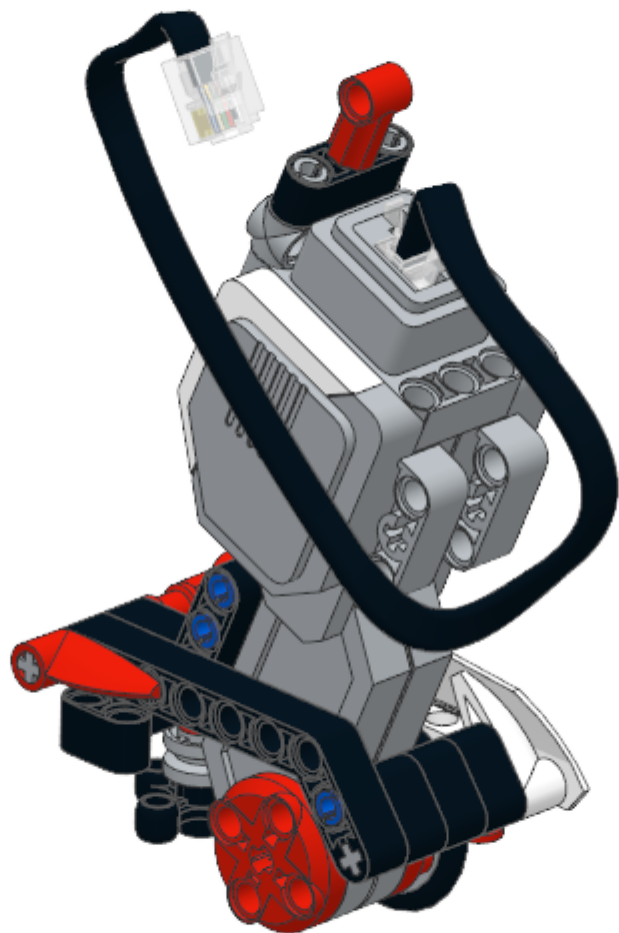
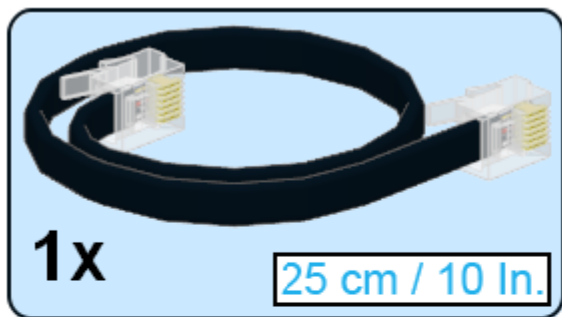
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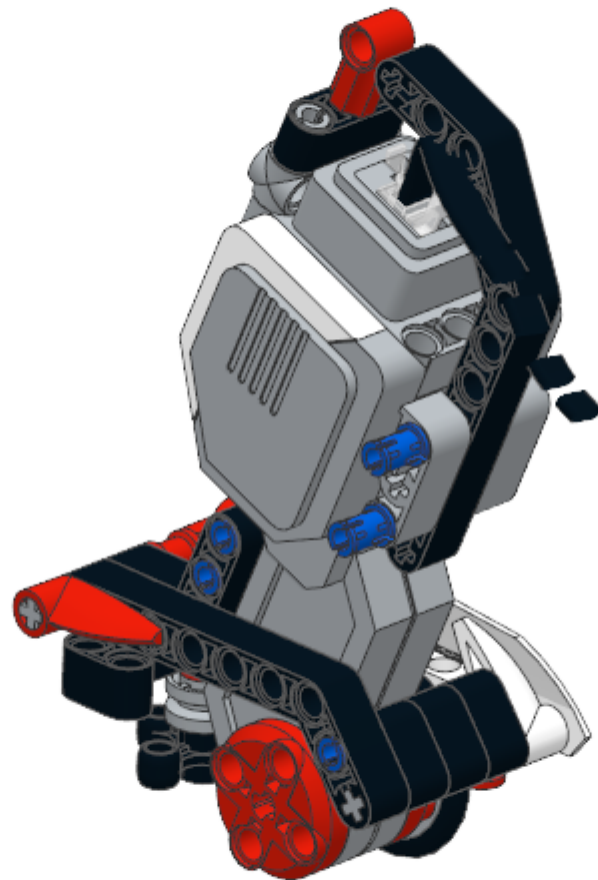
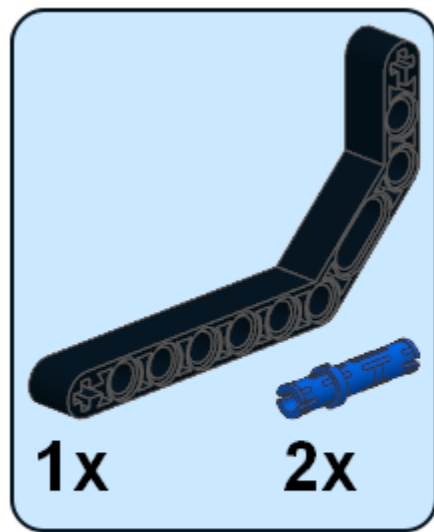
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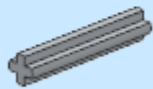
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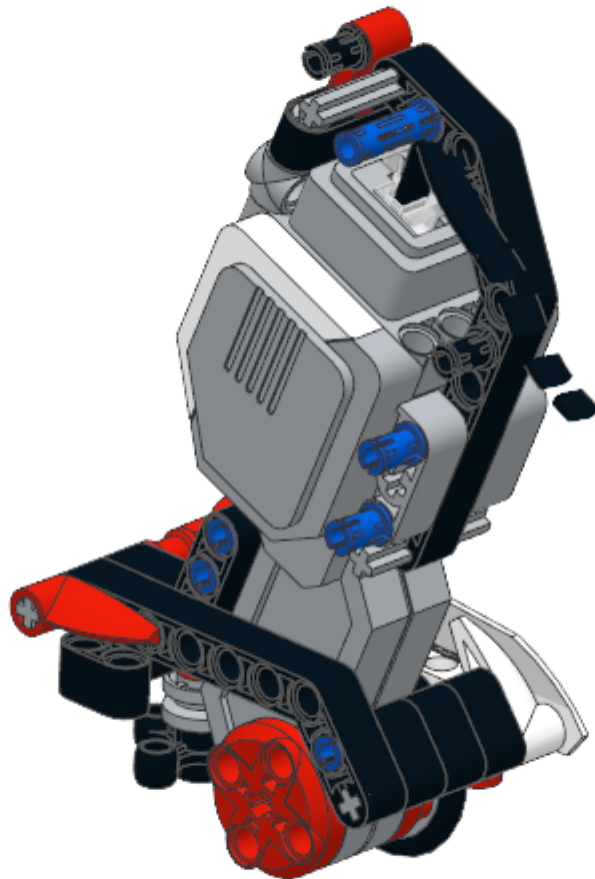
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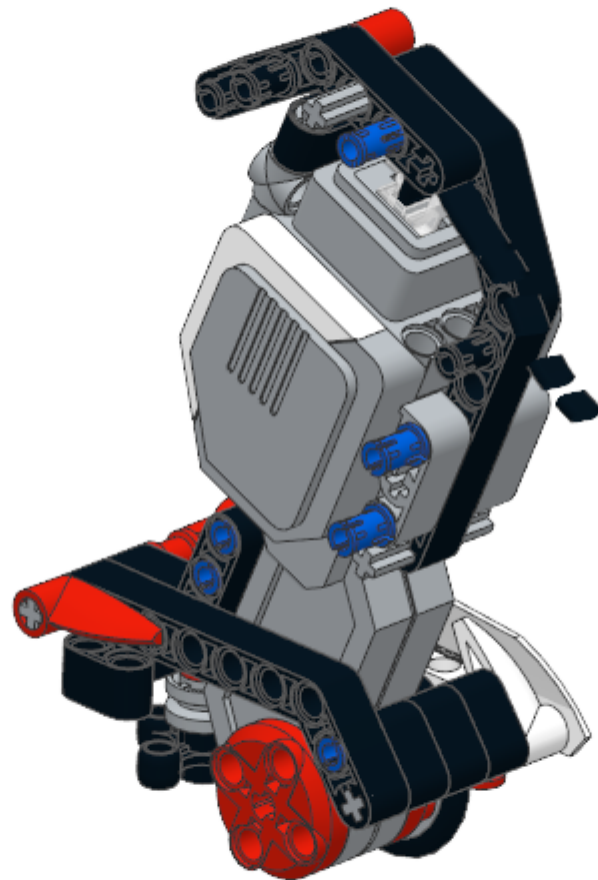
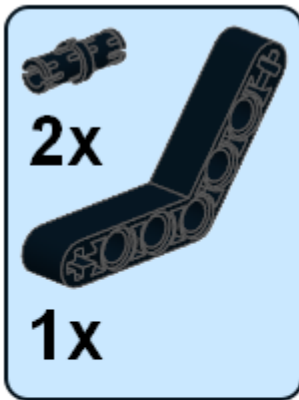
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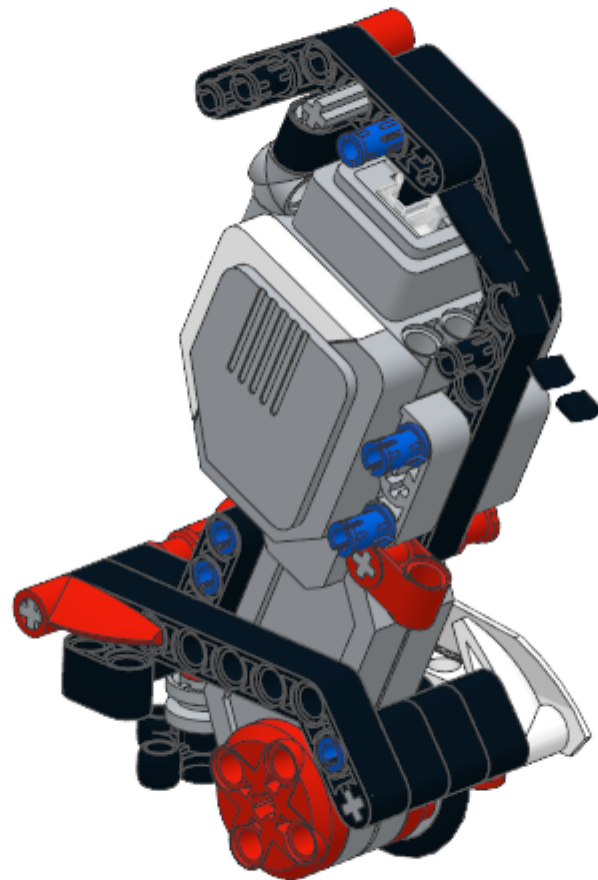
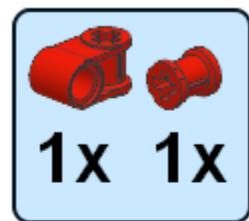
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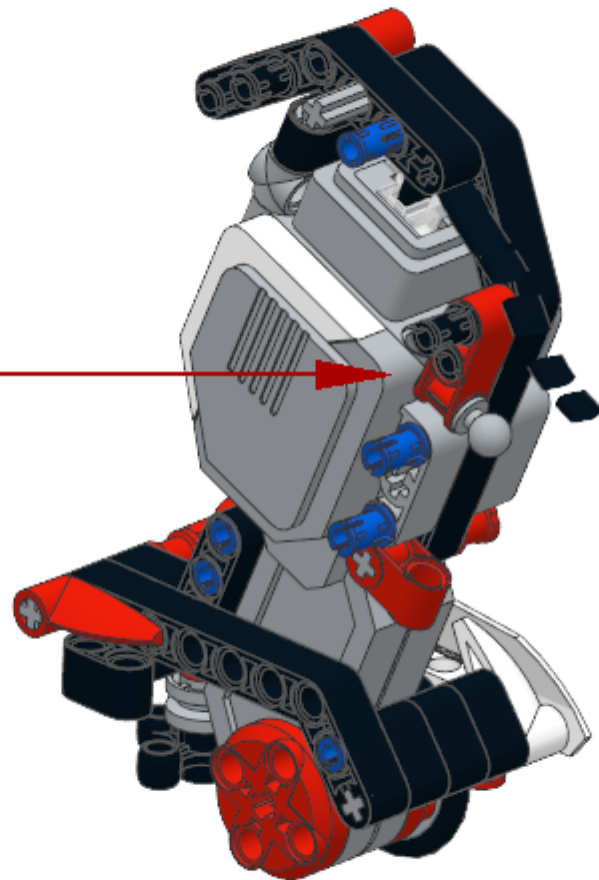
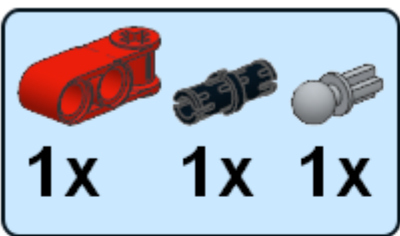
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11



12



13



1x

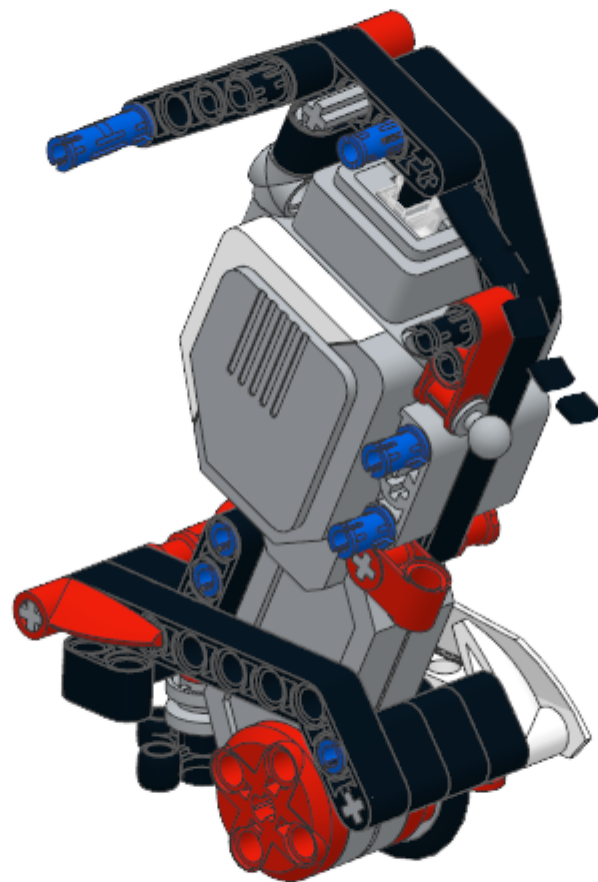


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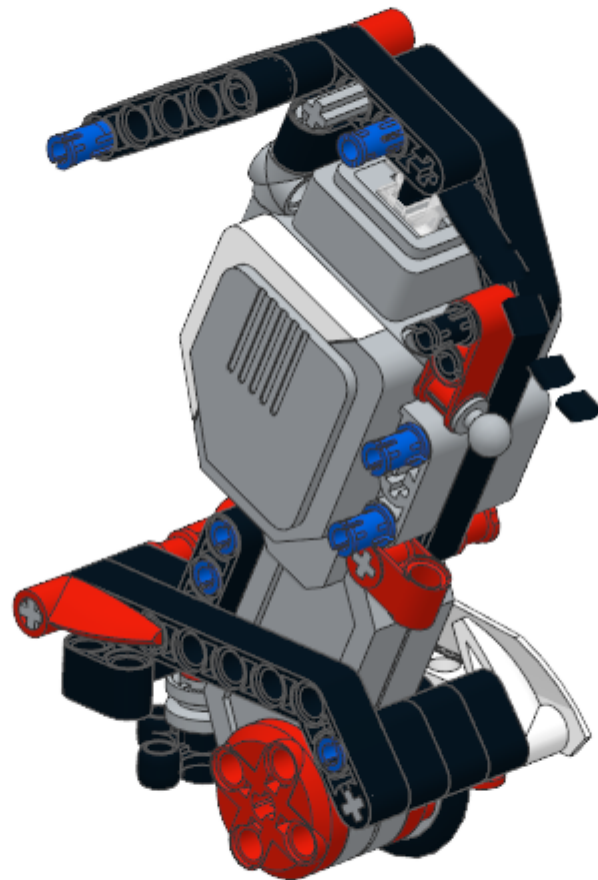
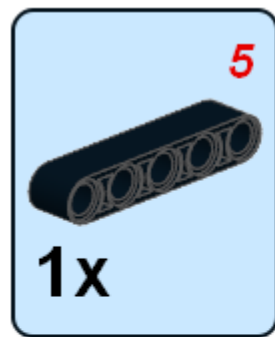
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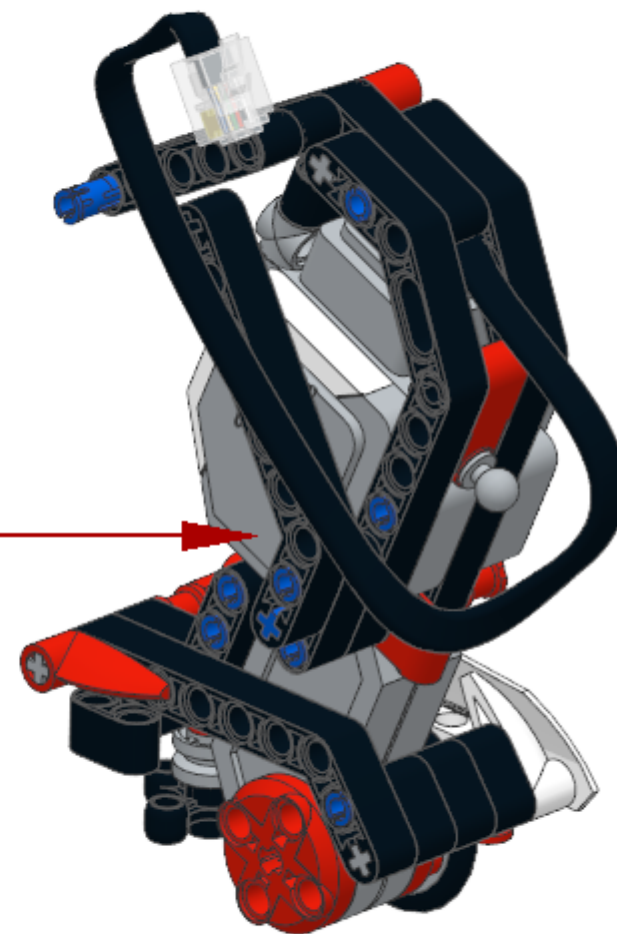
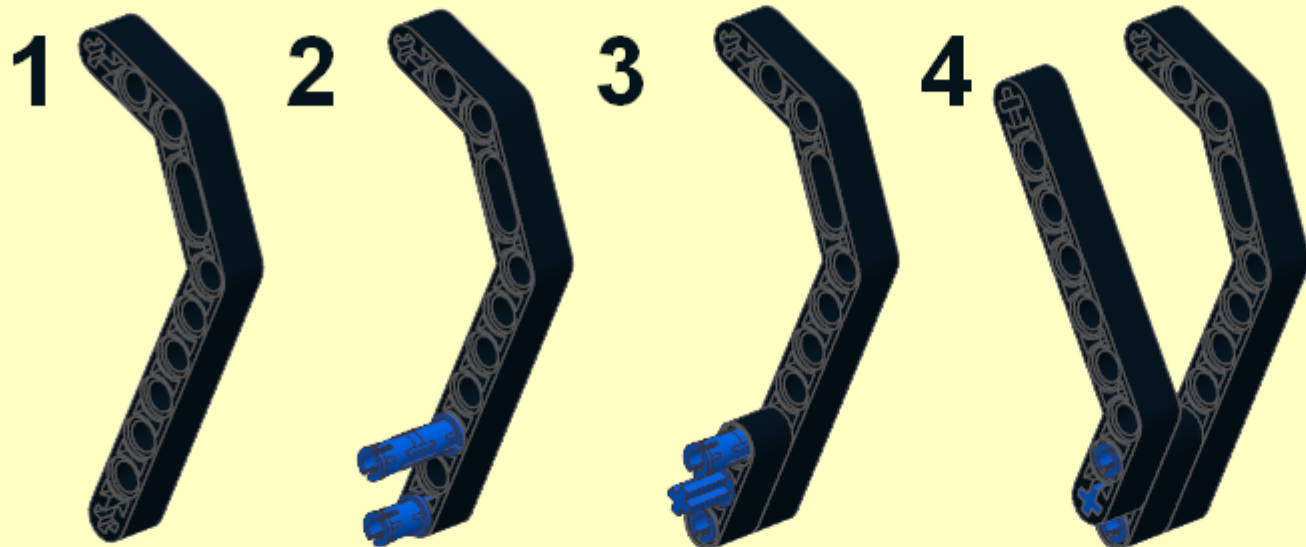
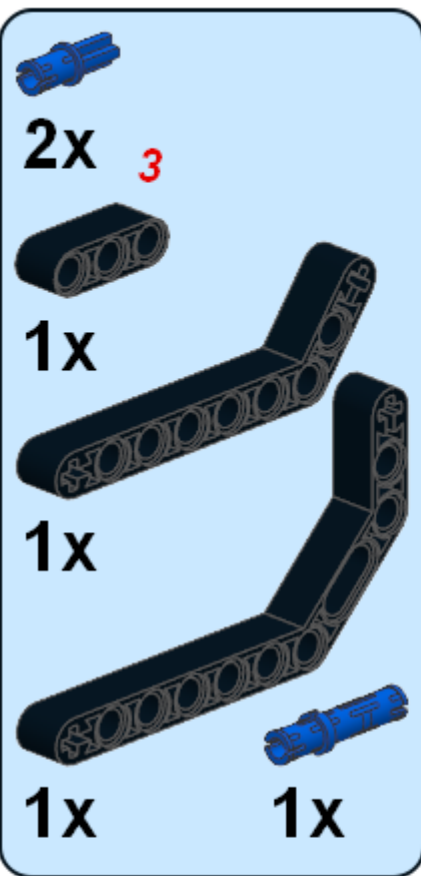
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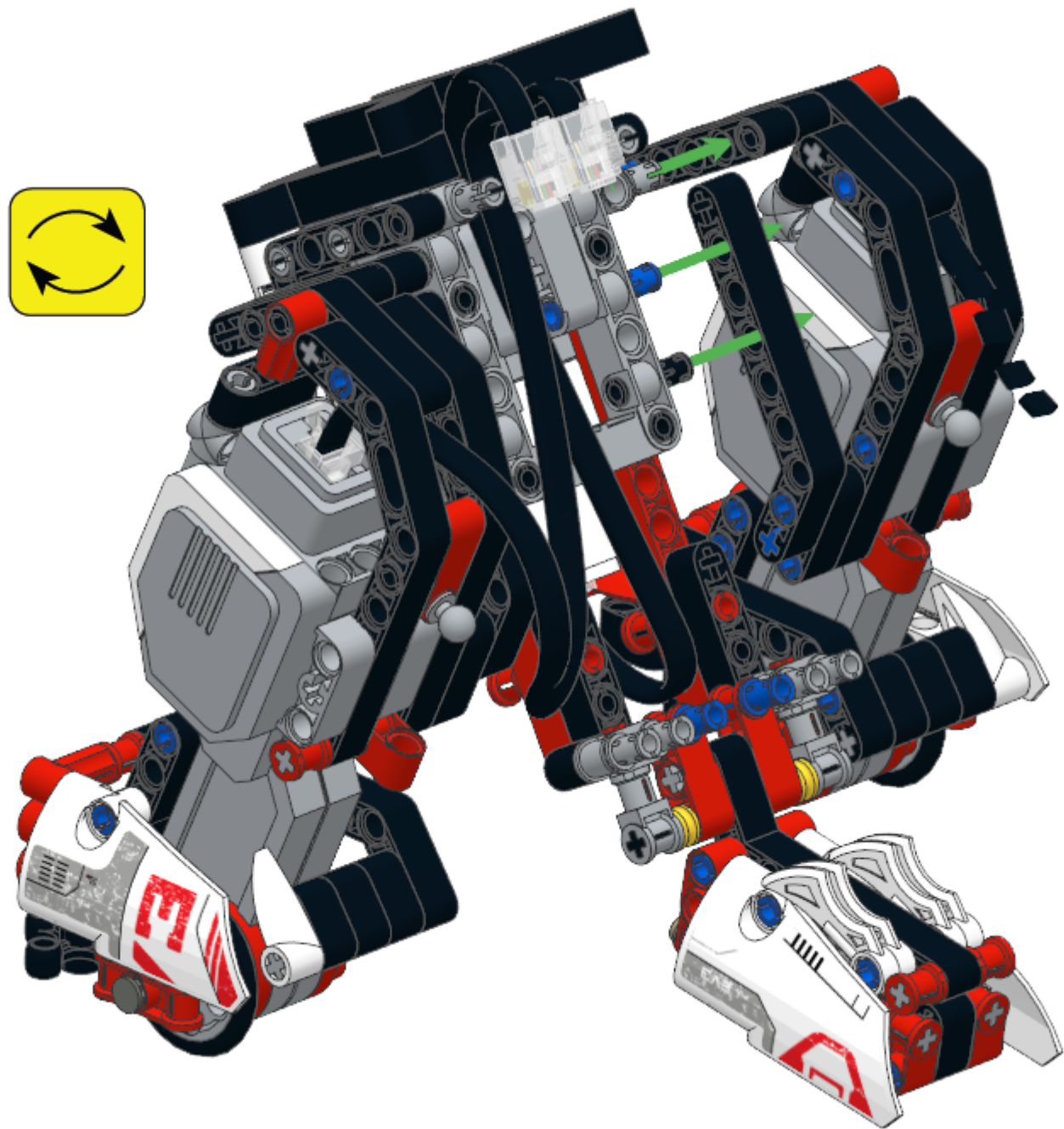
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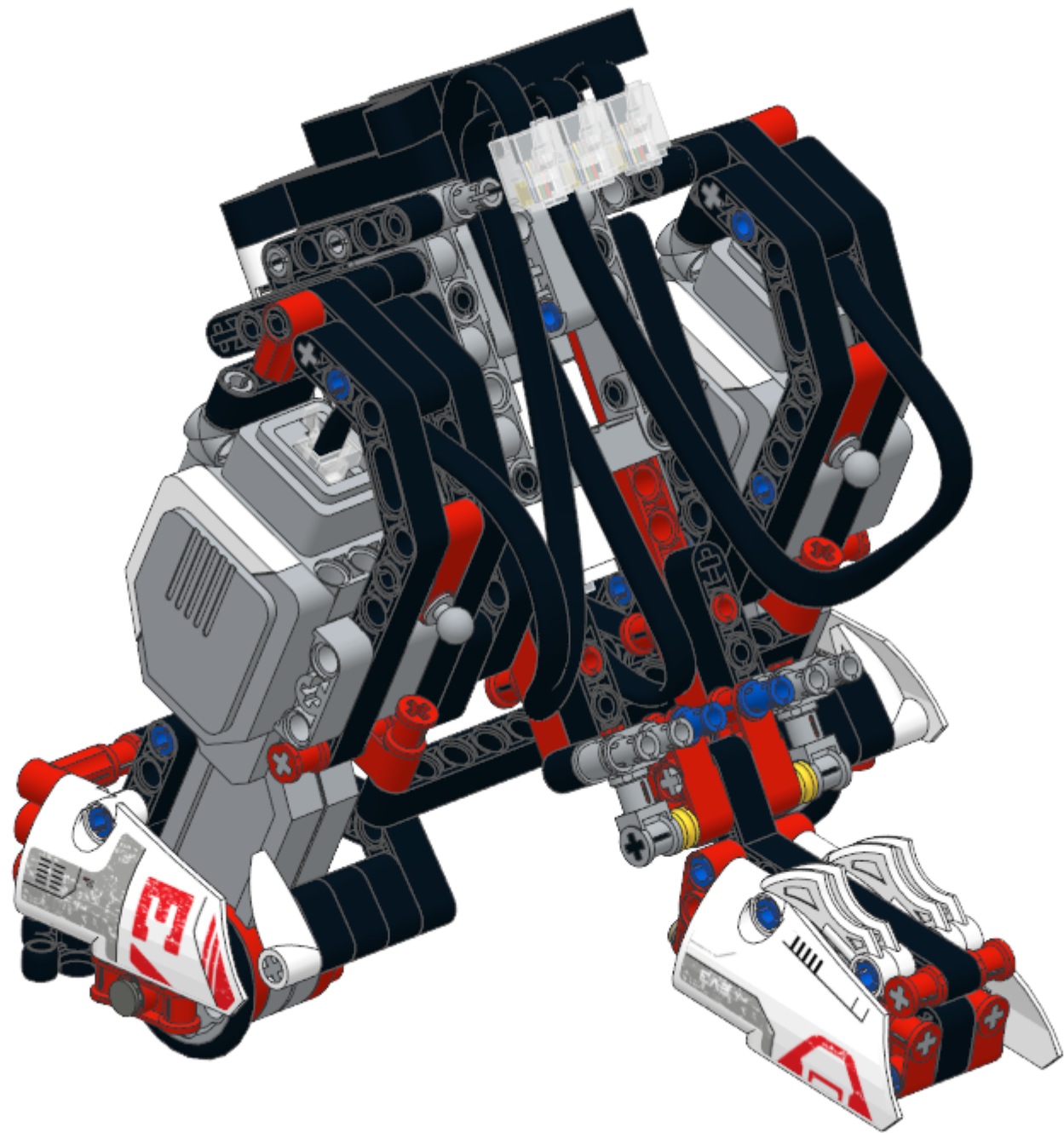
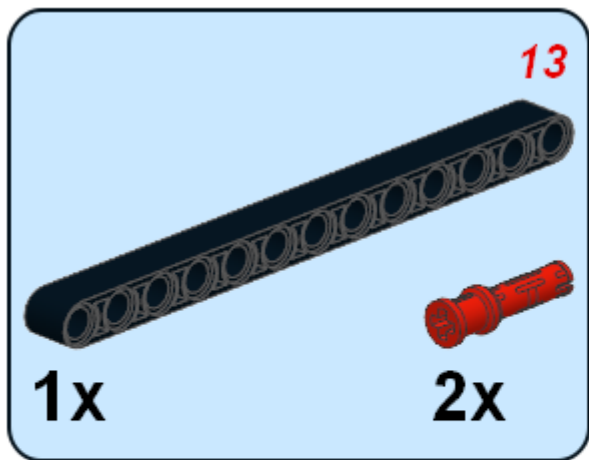
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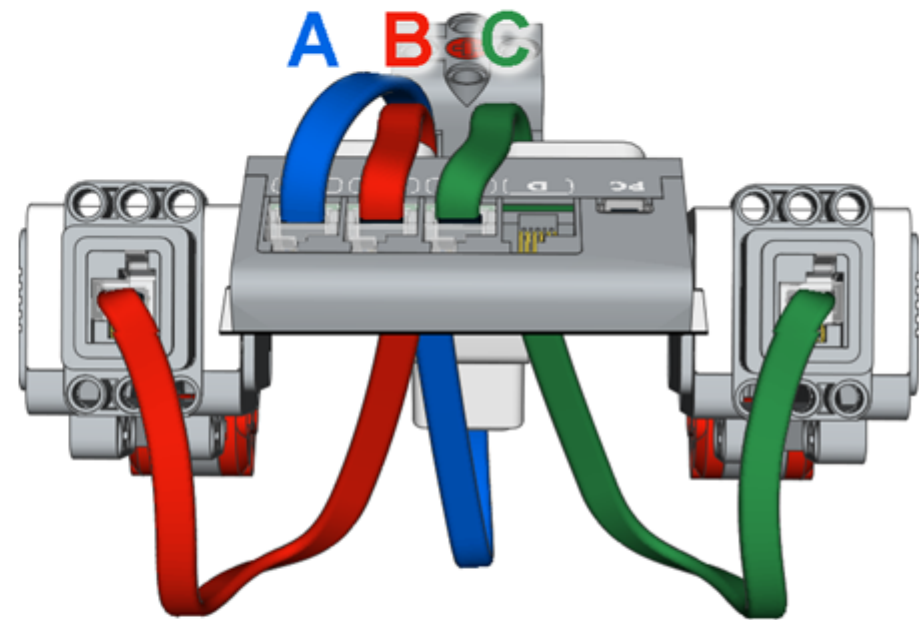
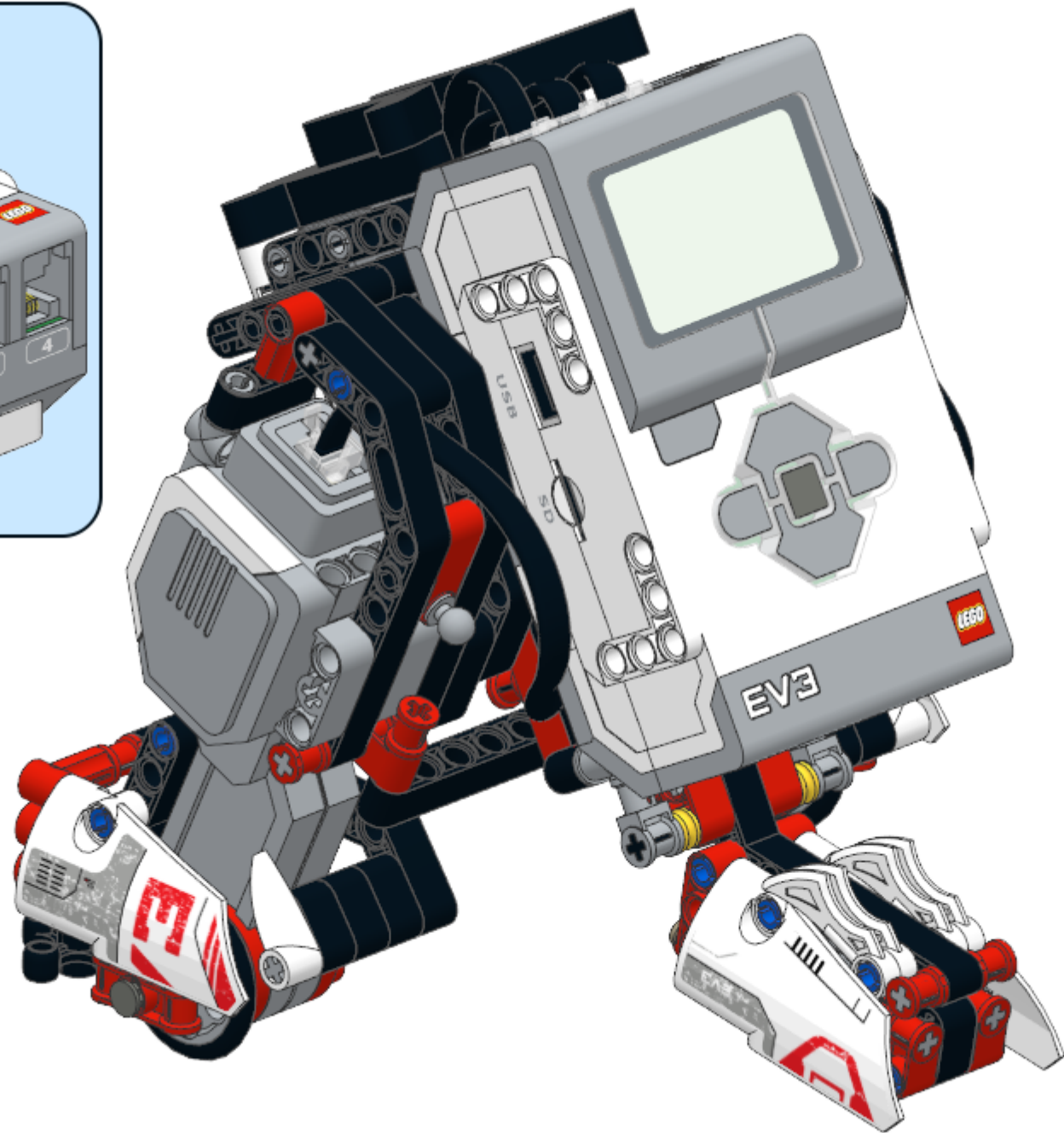
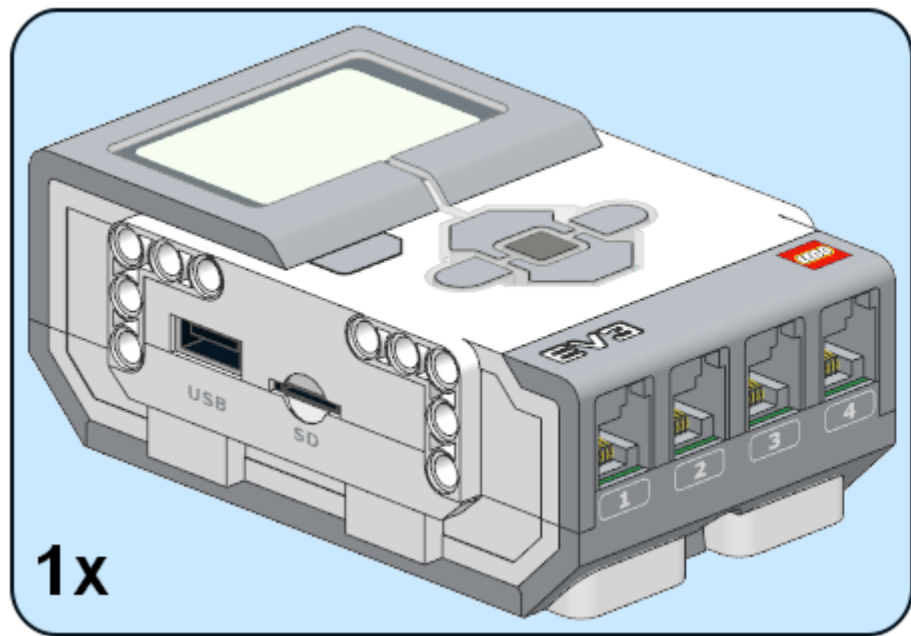
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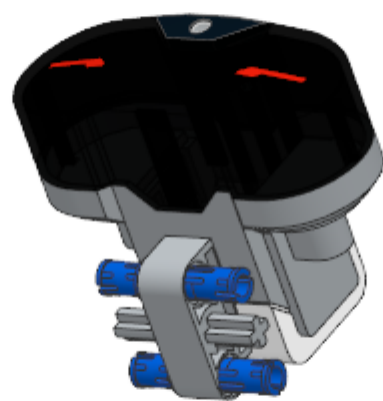
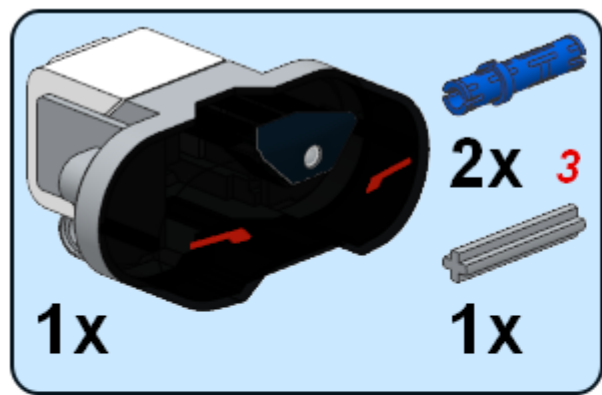
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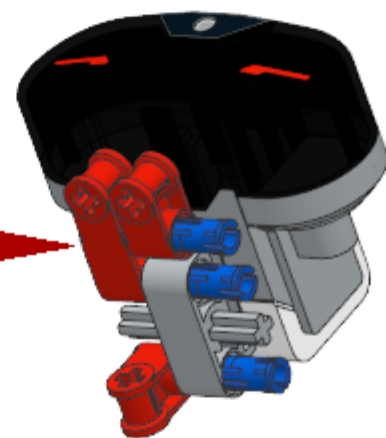
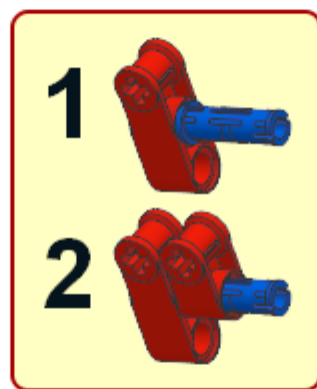
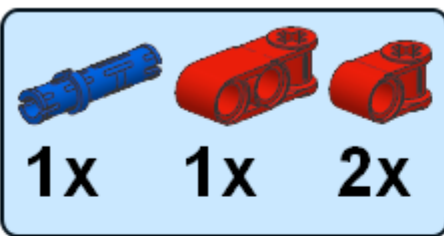
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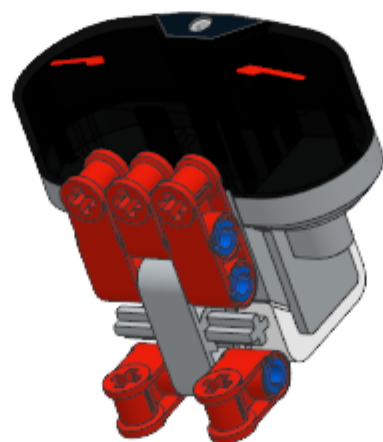
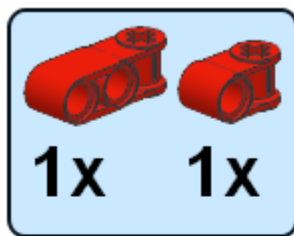
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2



3



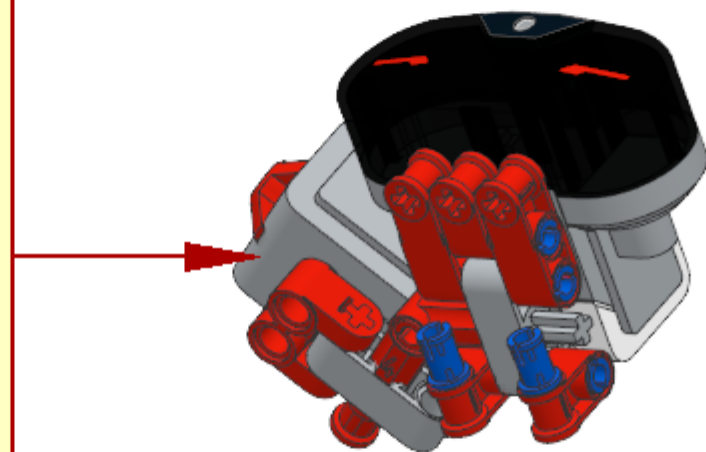
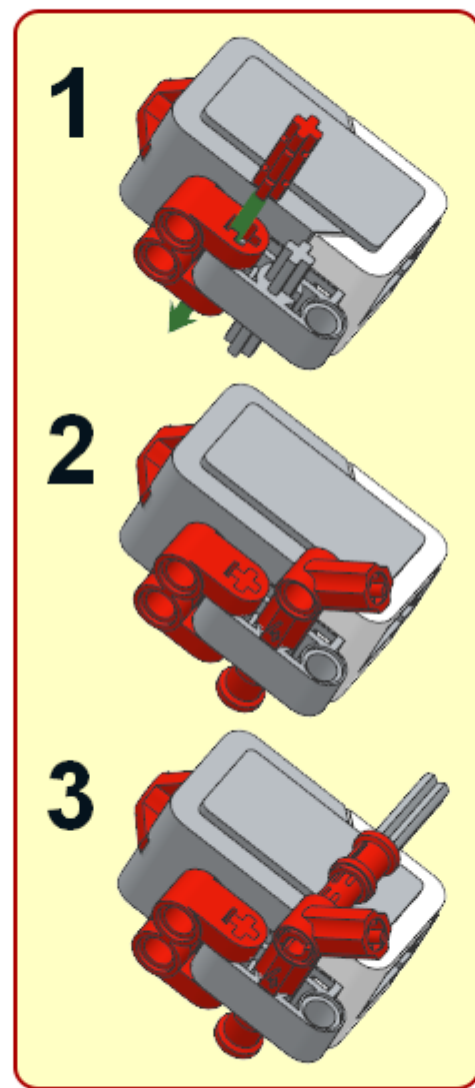


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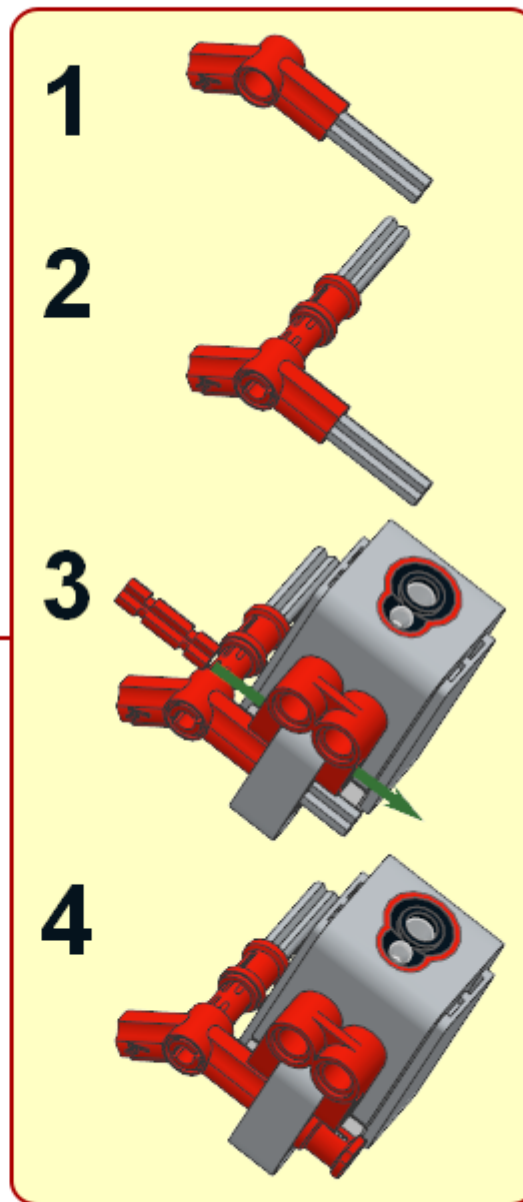
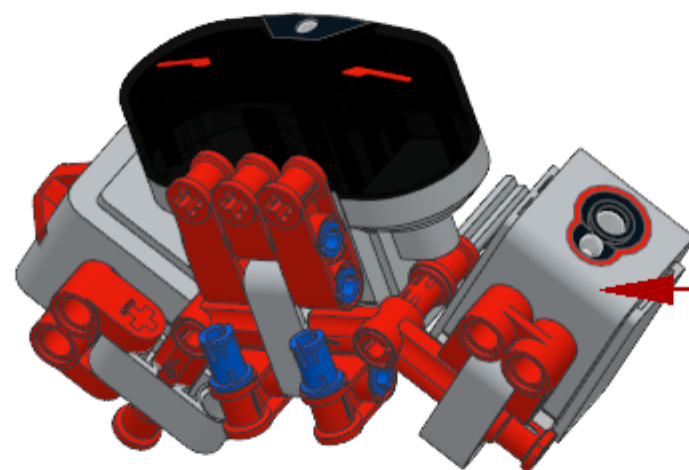
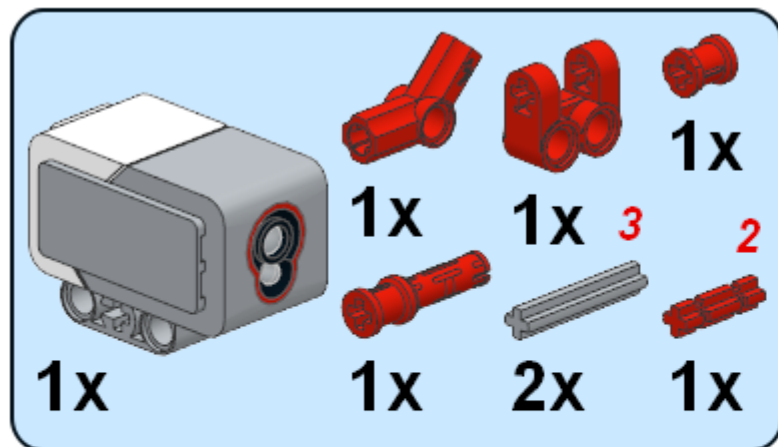
1x	1x	1x	1x

1x

1x	2x	1x

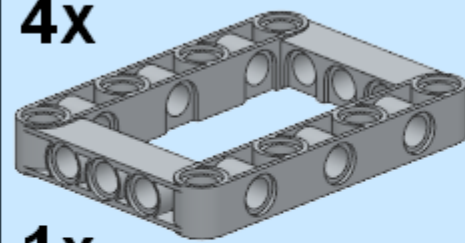


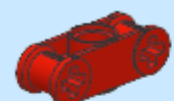
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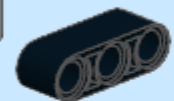
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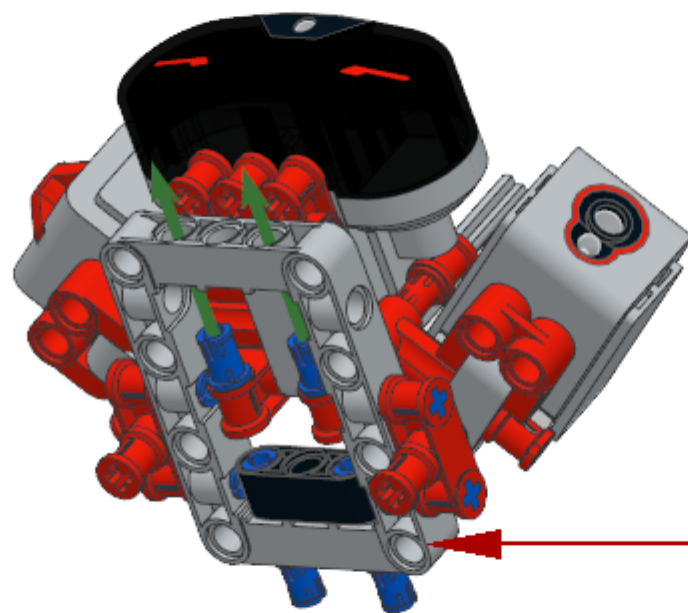

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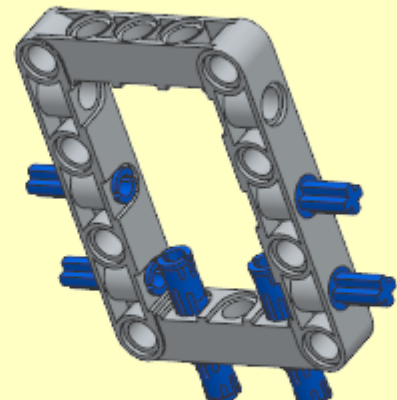

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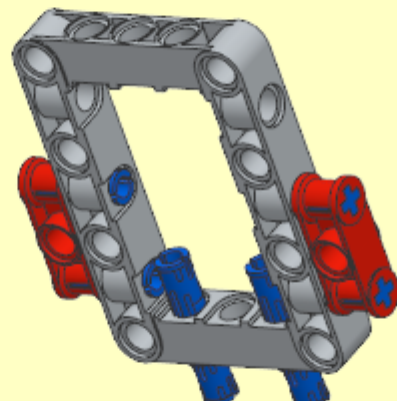

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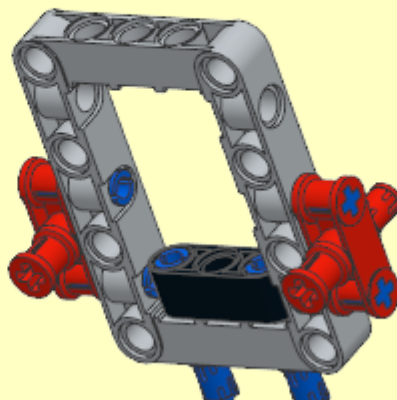

1x


2x



1 

2 

3 

4



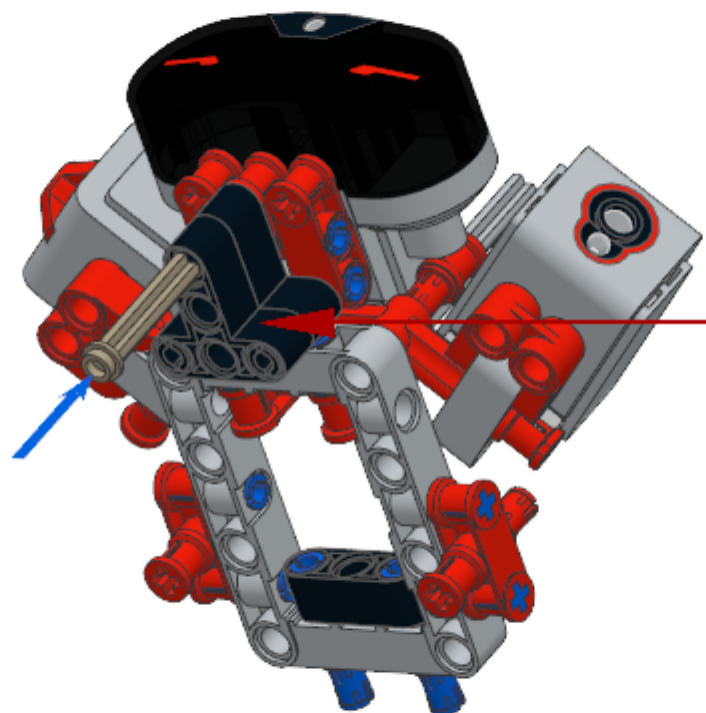
2x 3



1x



2x



1



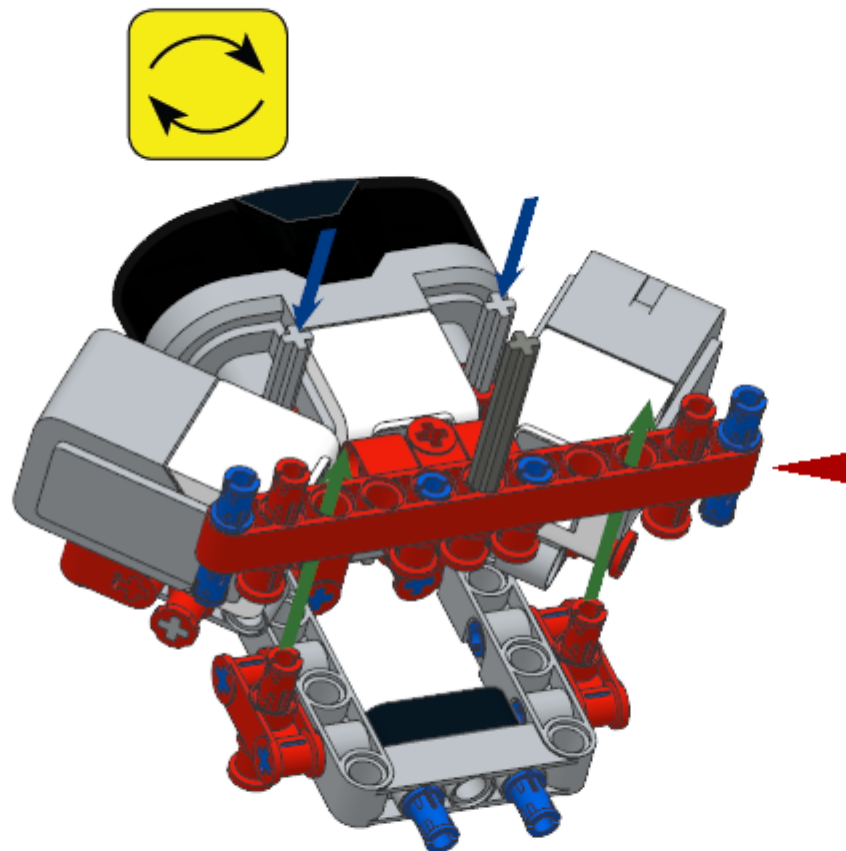
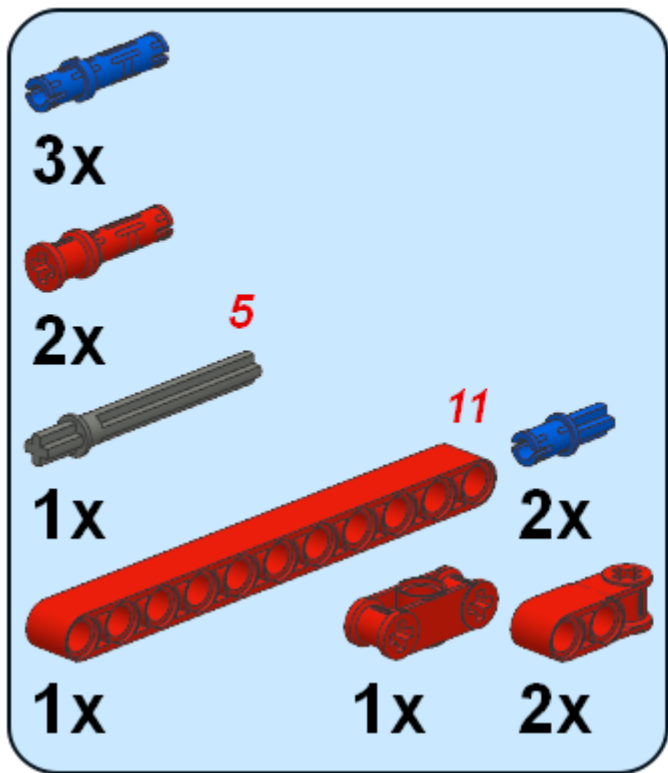
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3



5



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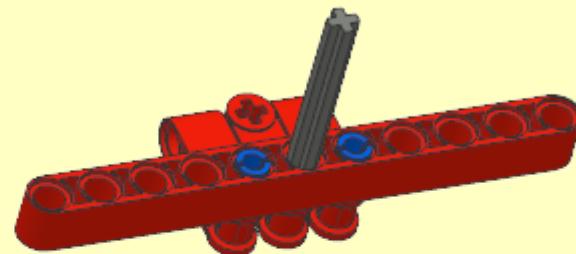
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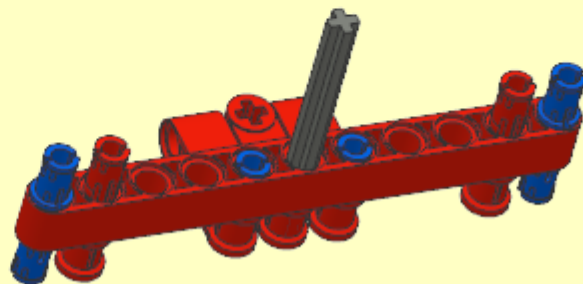
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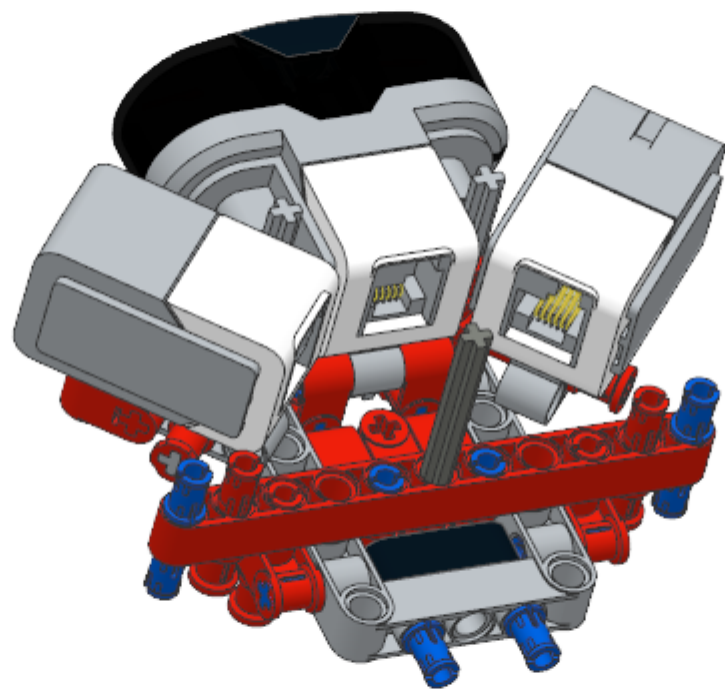
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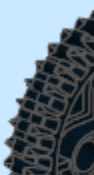
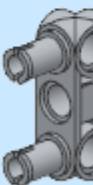


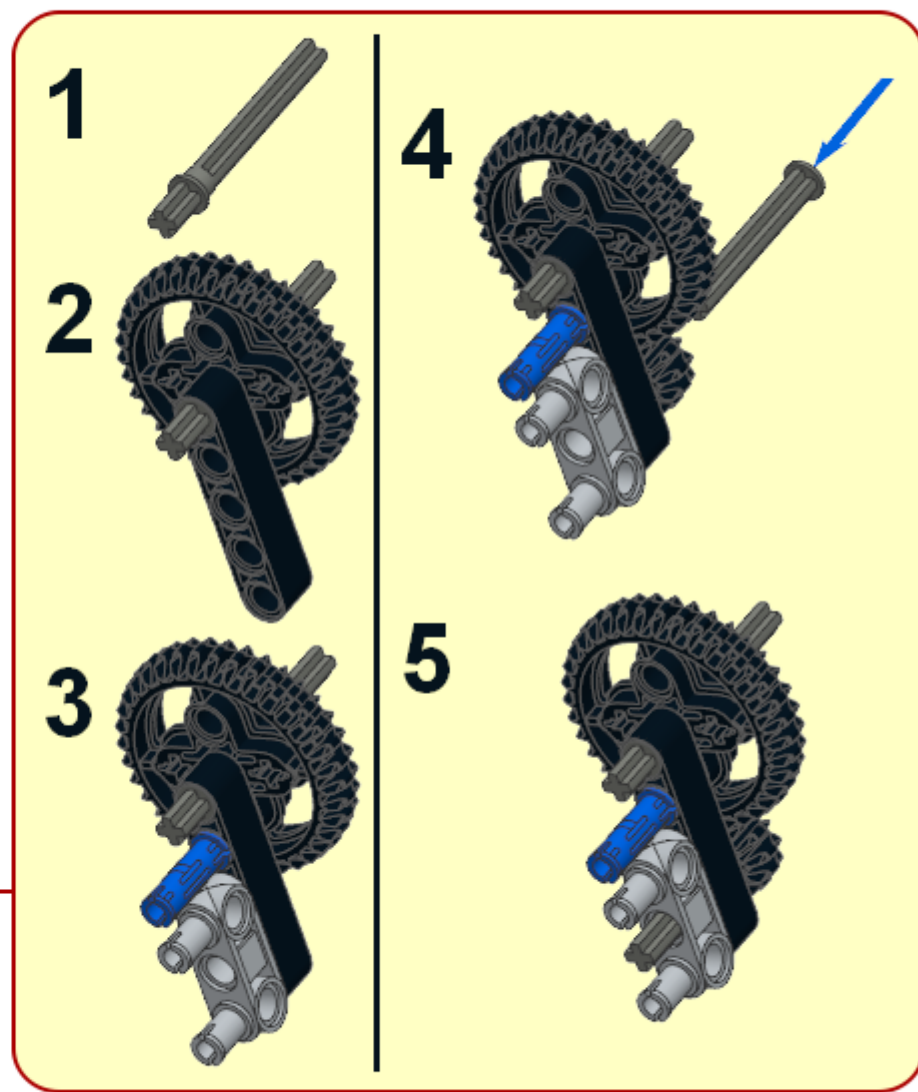
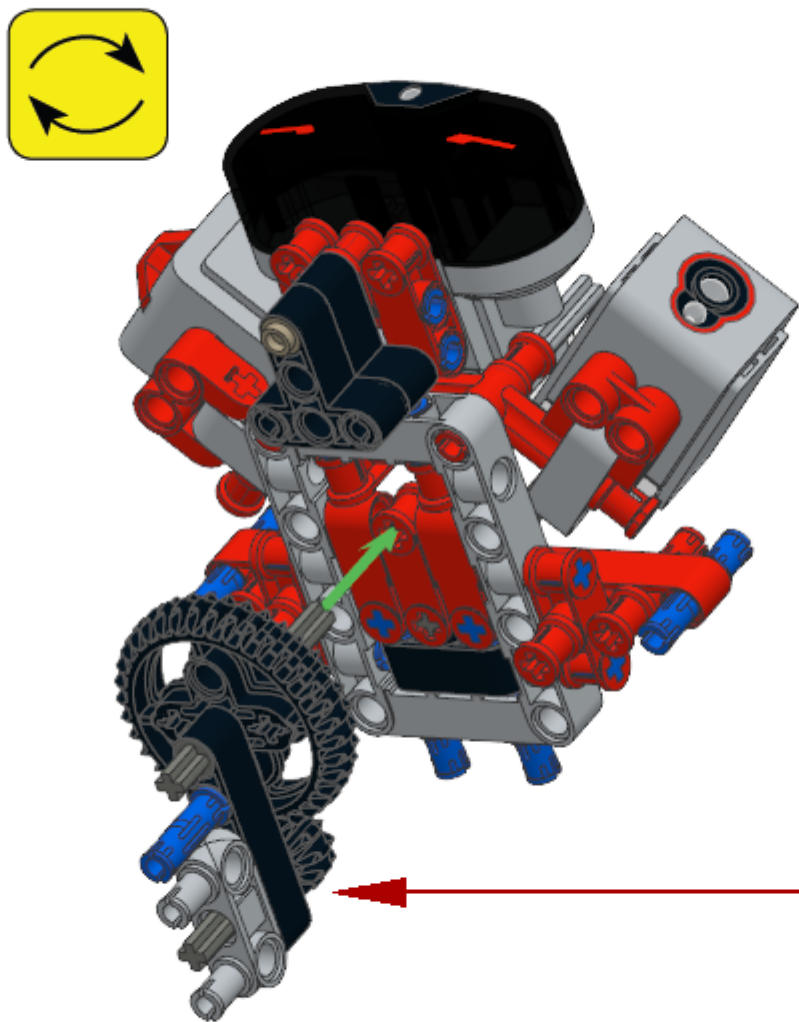
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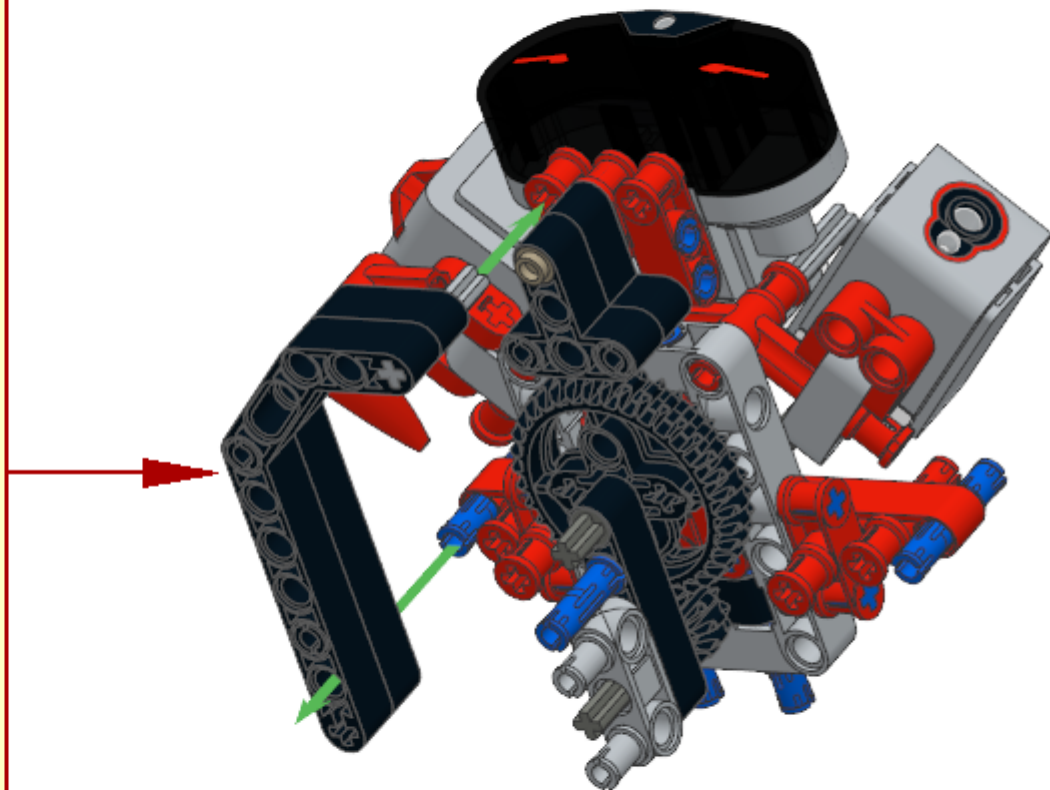
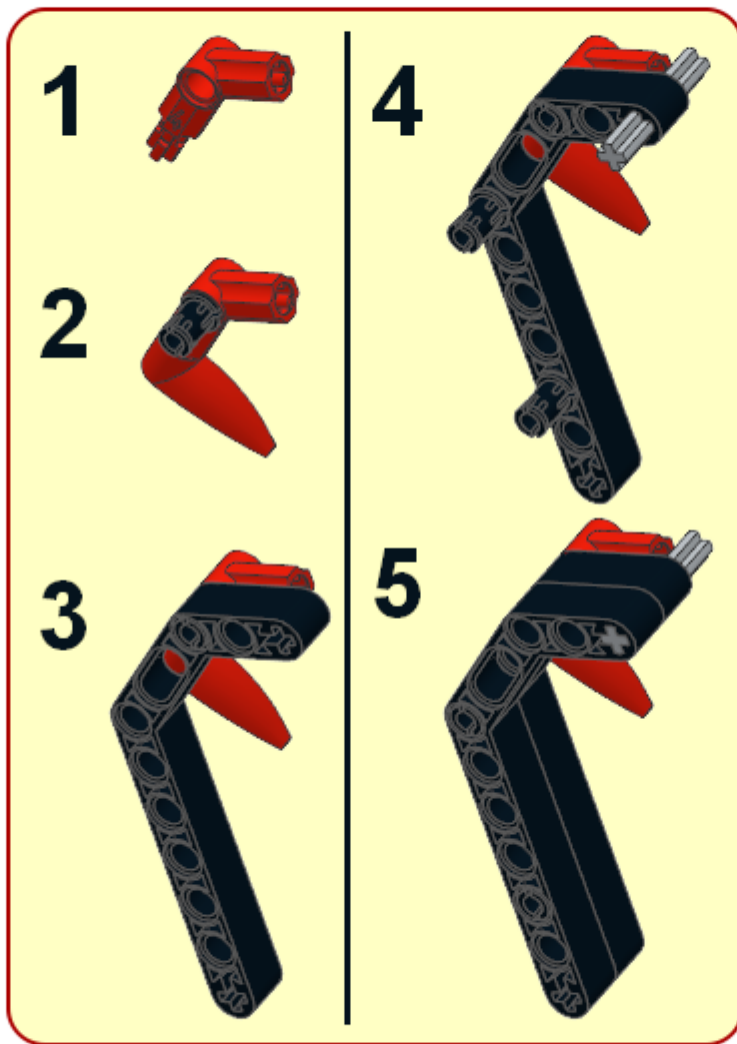
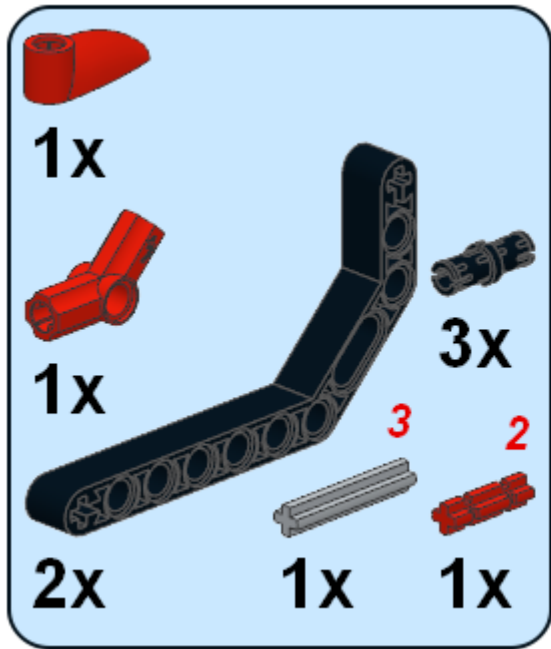
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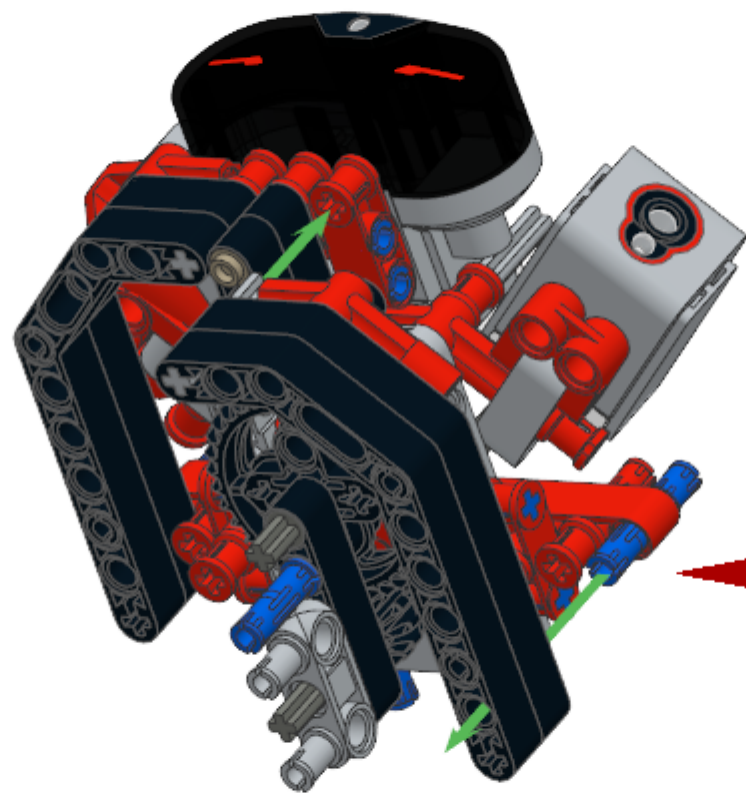
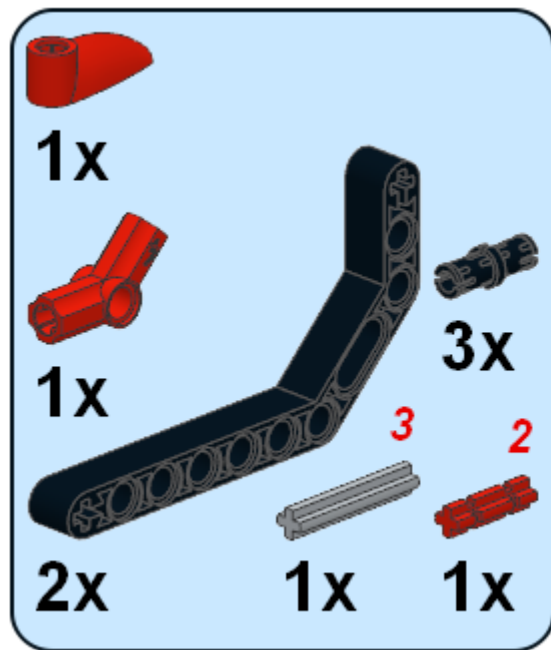
	
1x	1x
	
1x	1x
	
1x	1x
	
1x	4



8



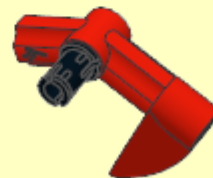
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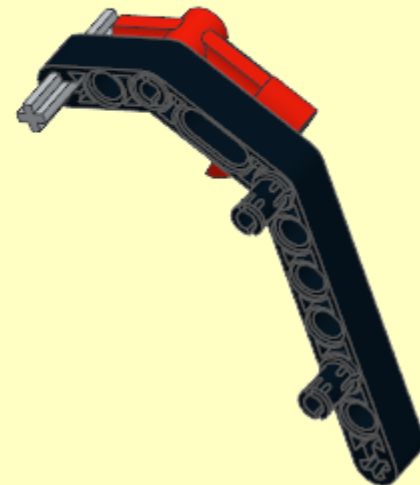
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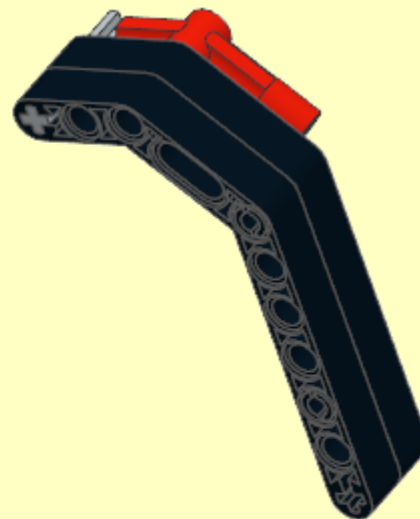
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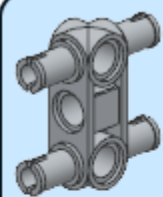
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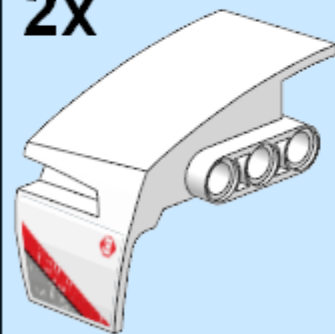
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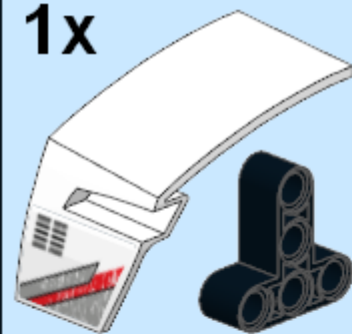
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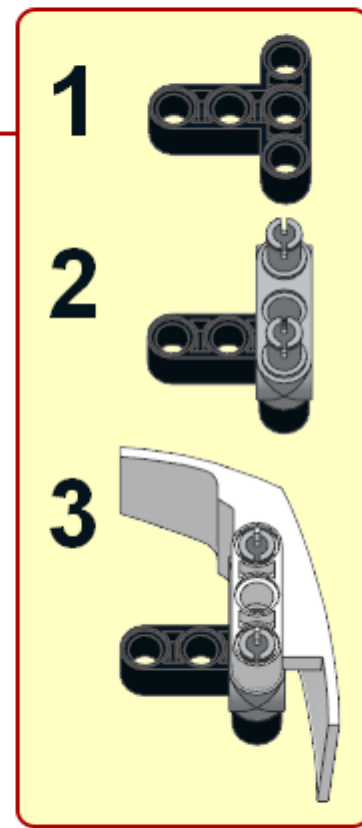
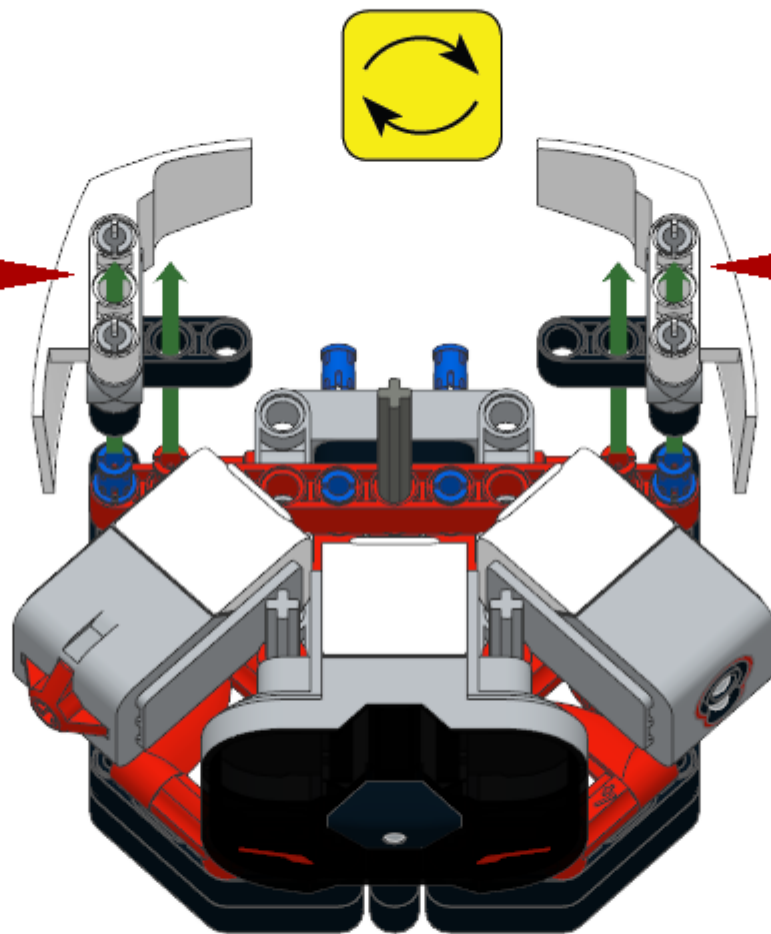
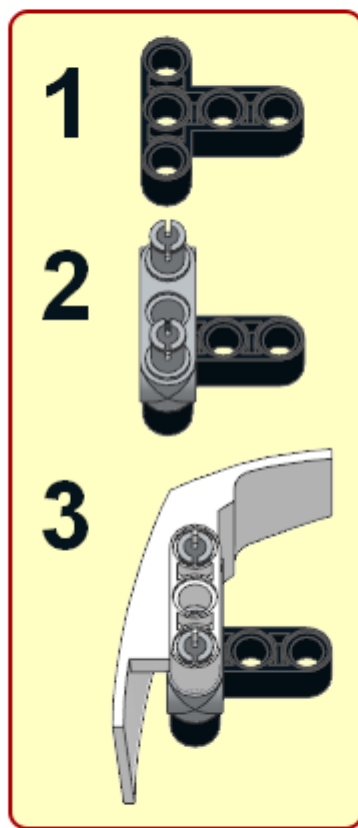


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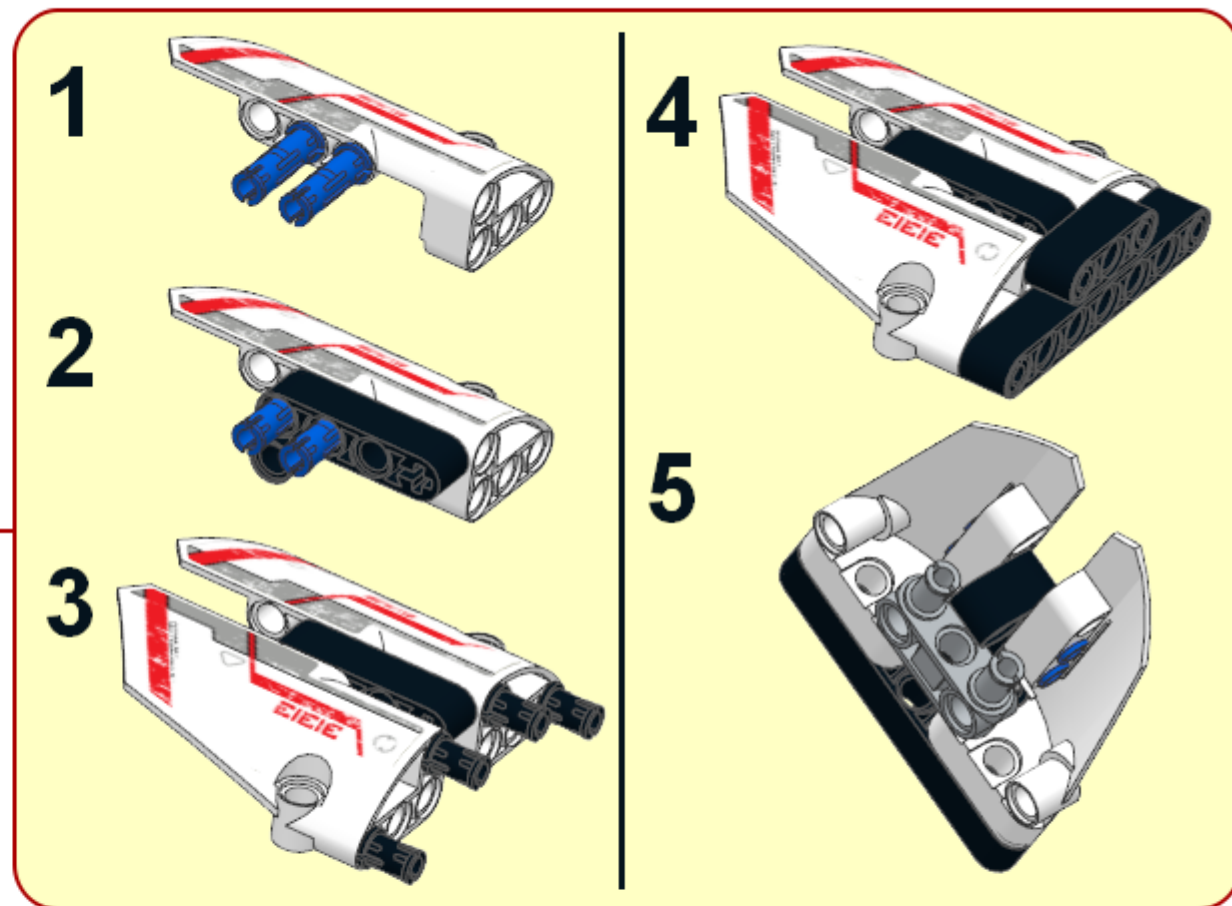
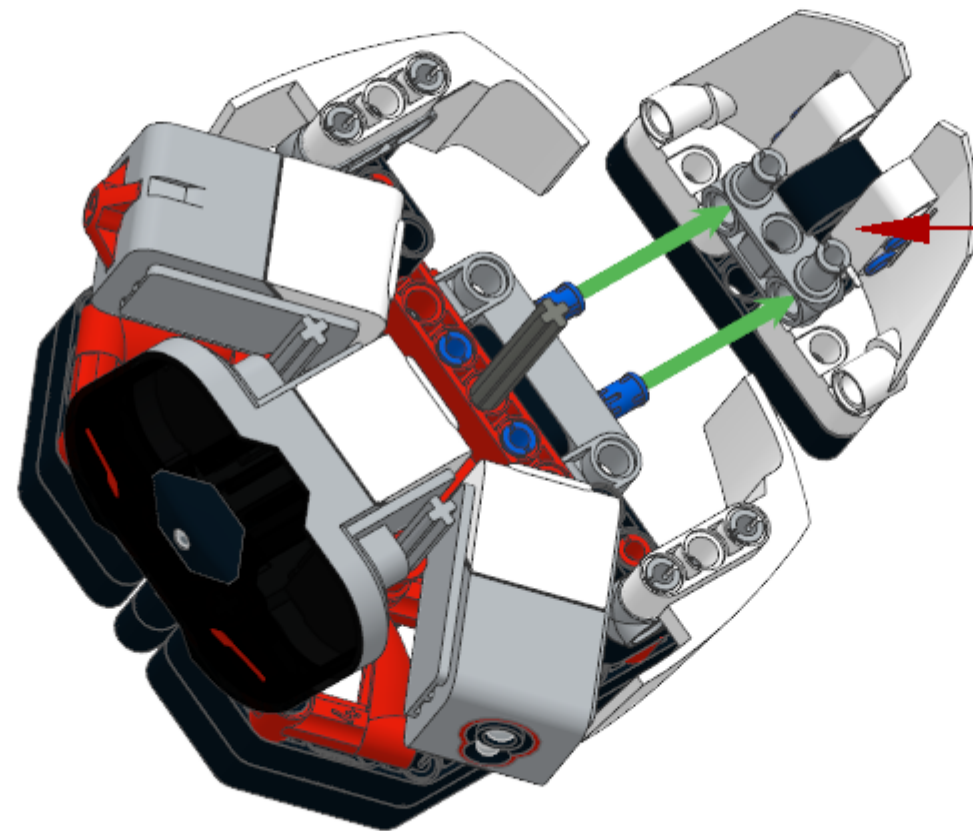
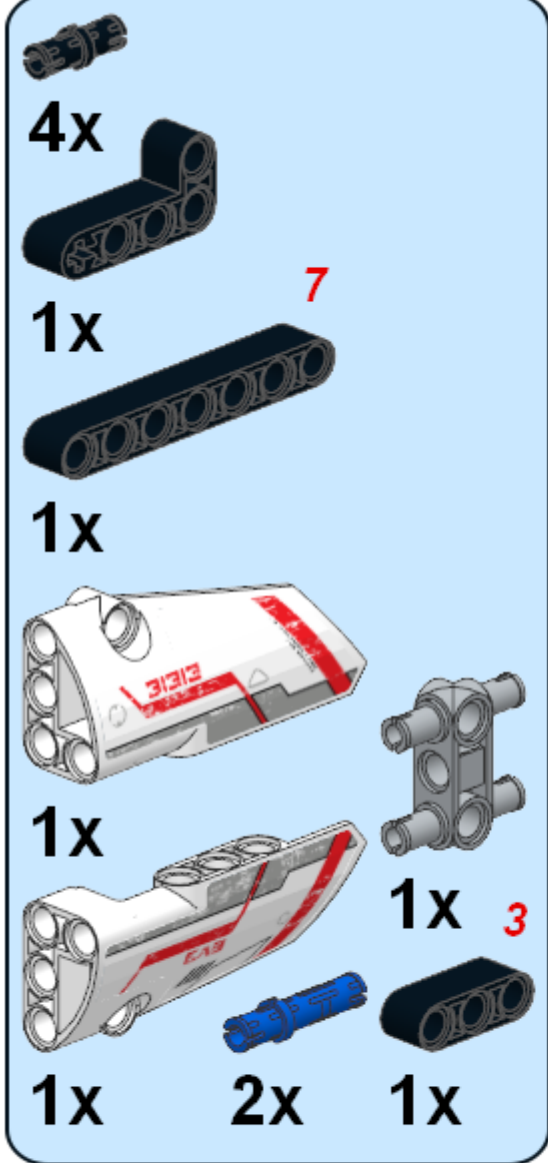


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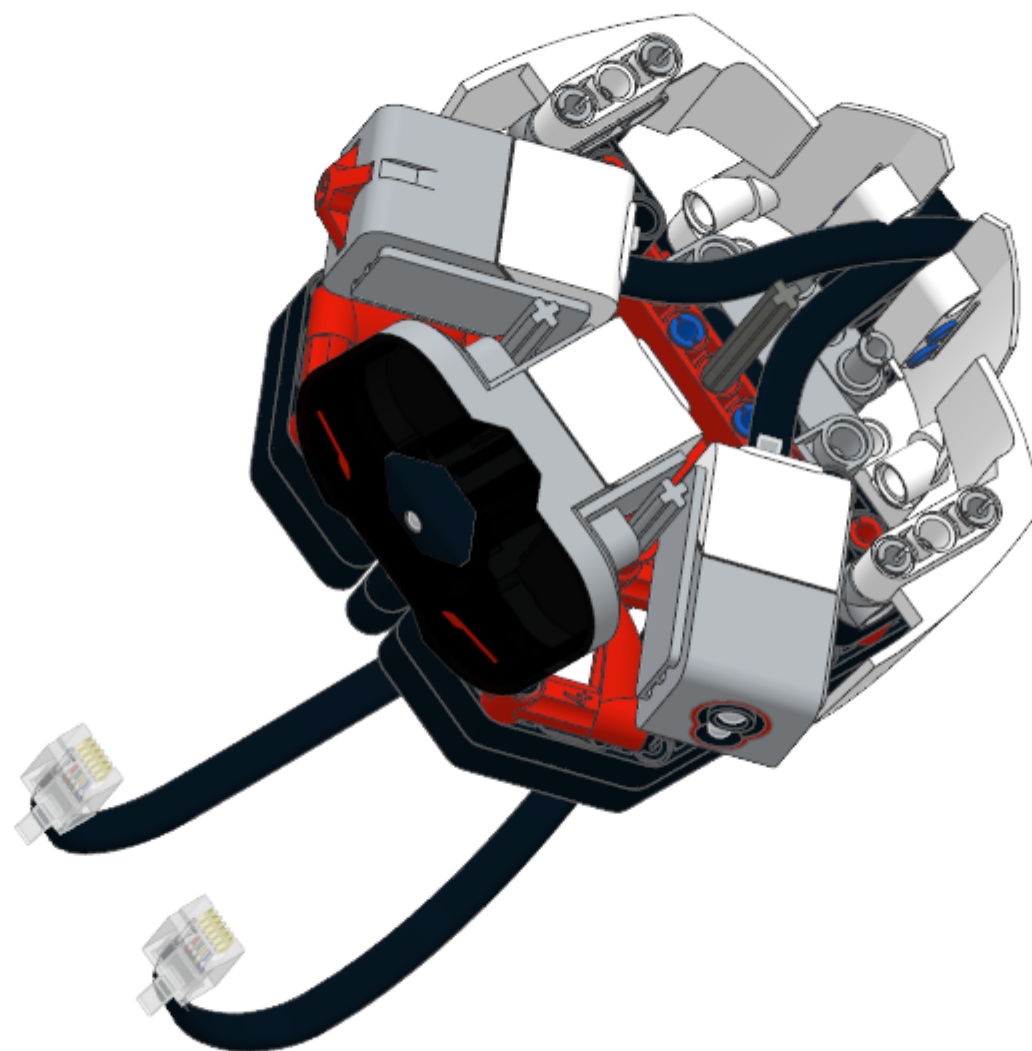
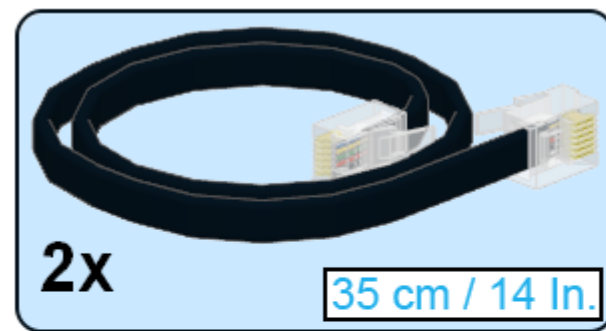
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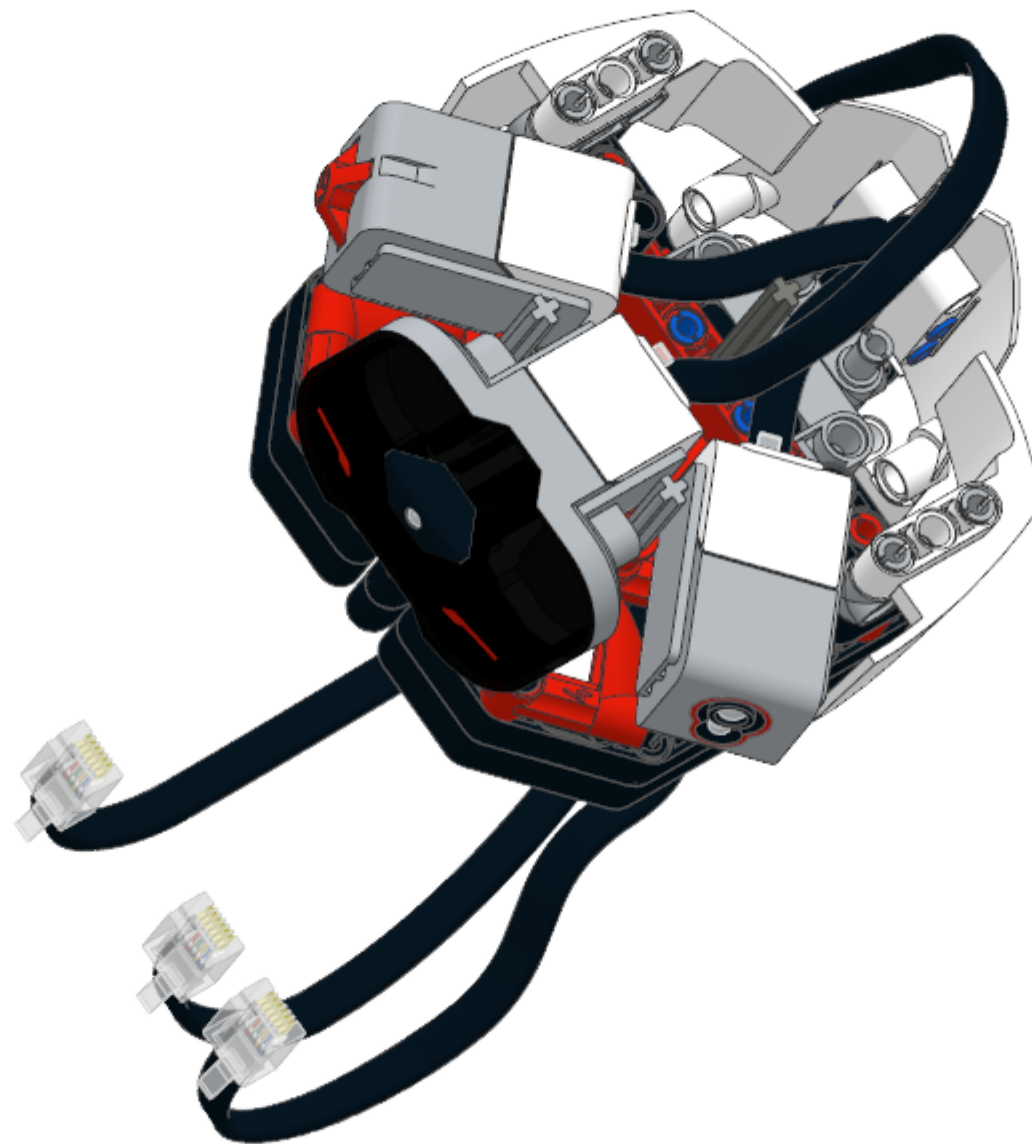
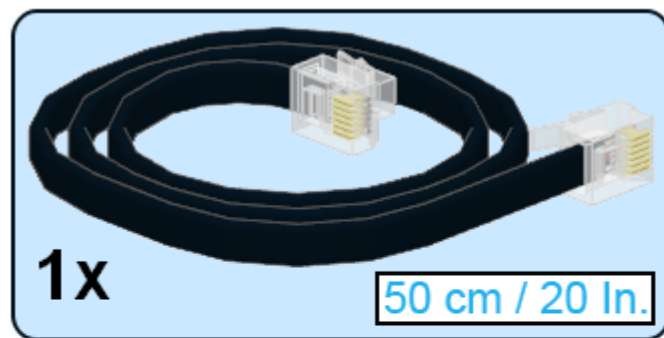
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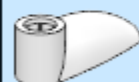
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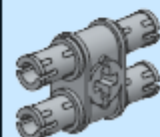
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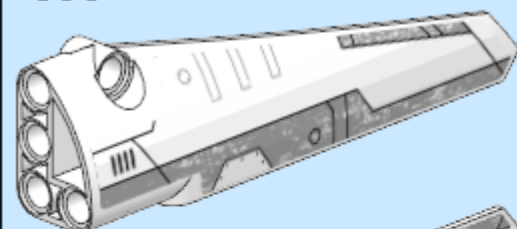
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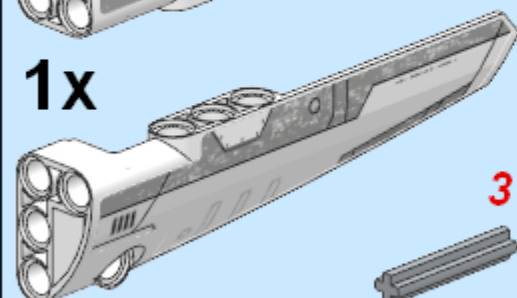
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1x



1x



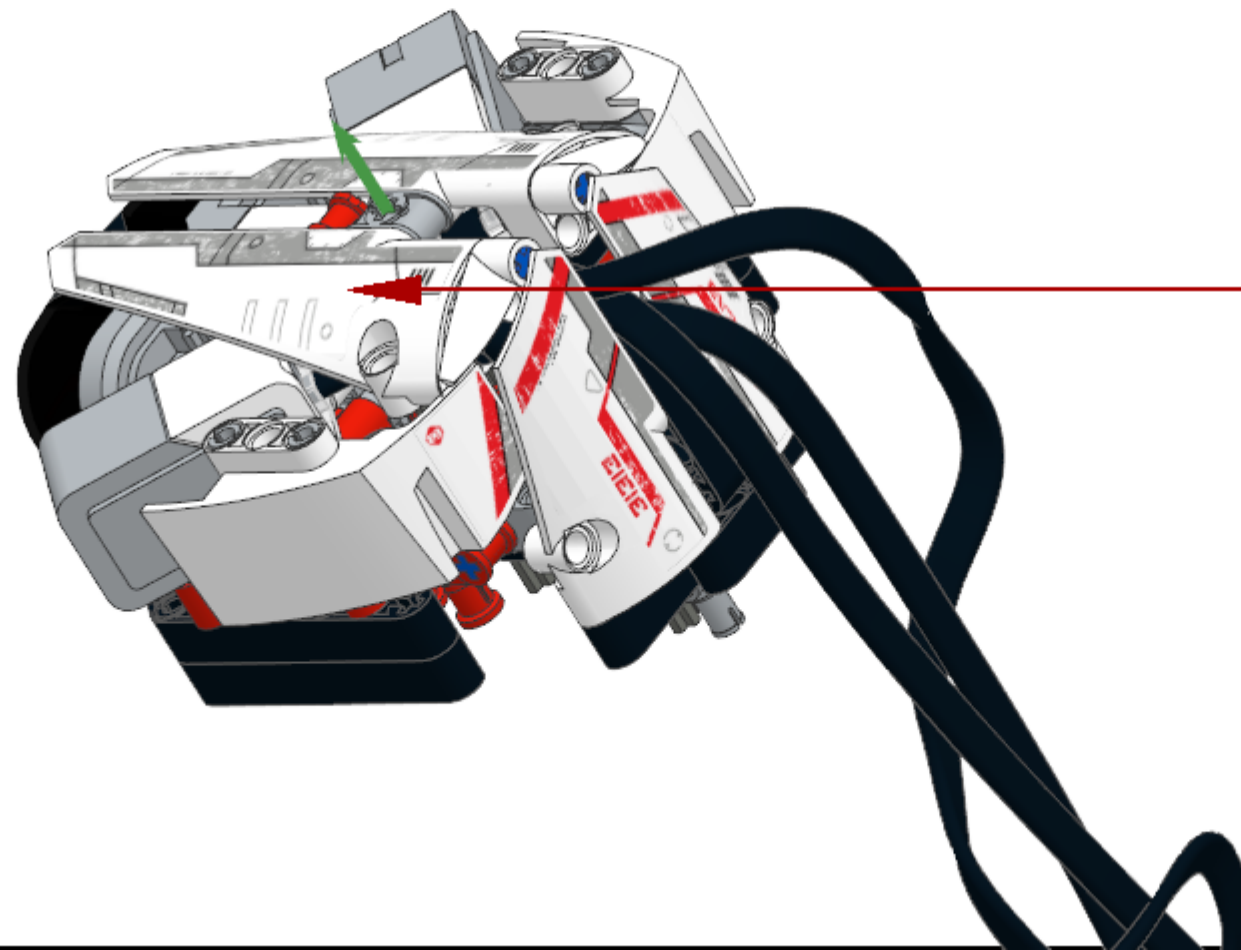
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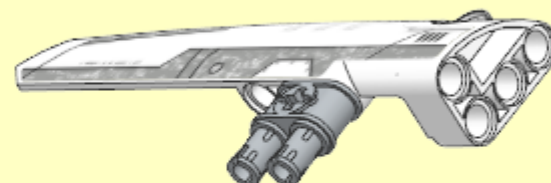
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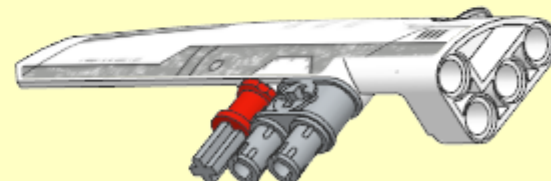
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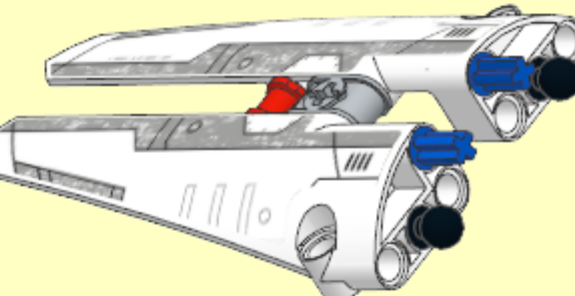
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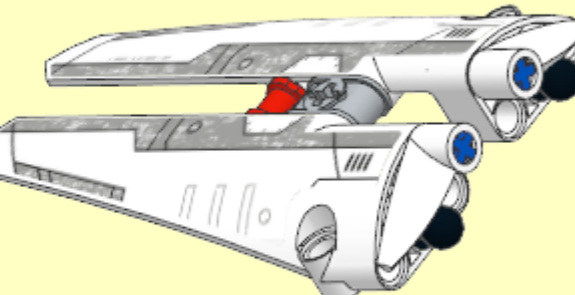
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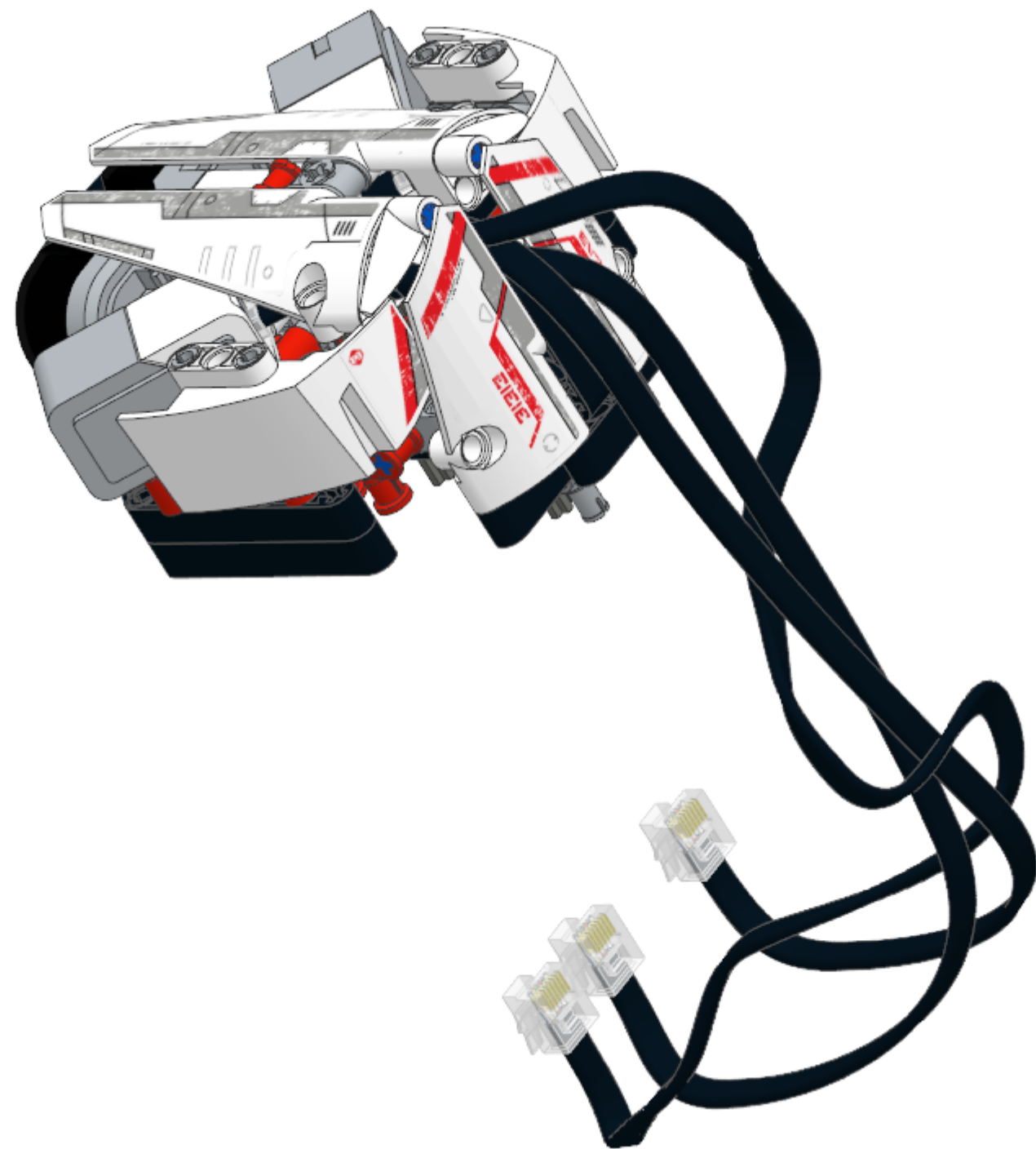
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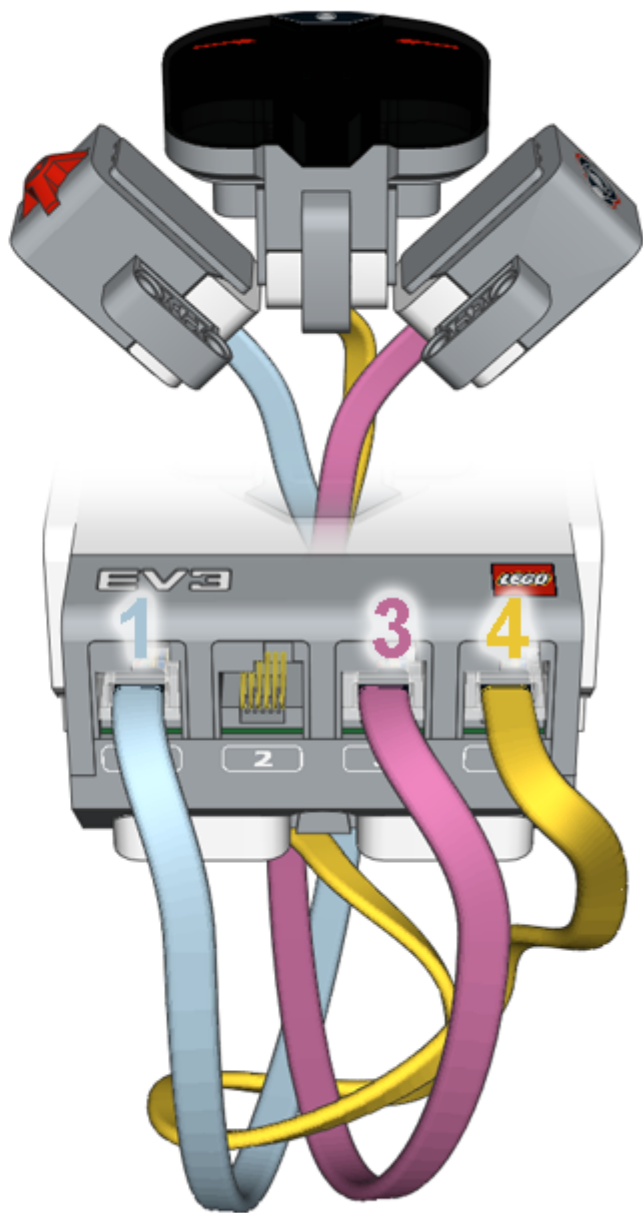
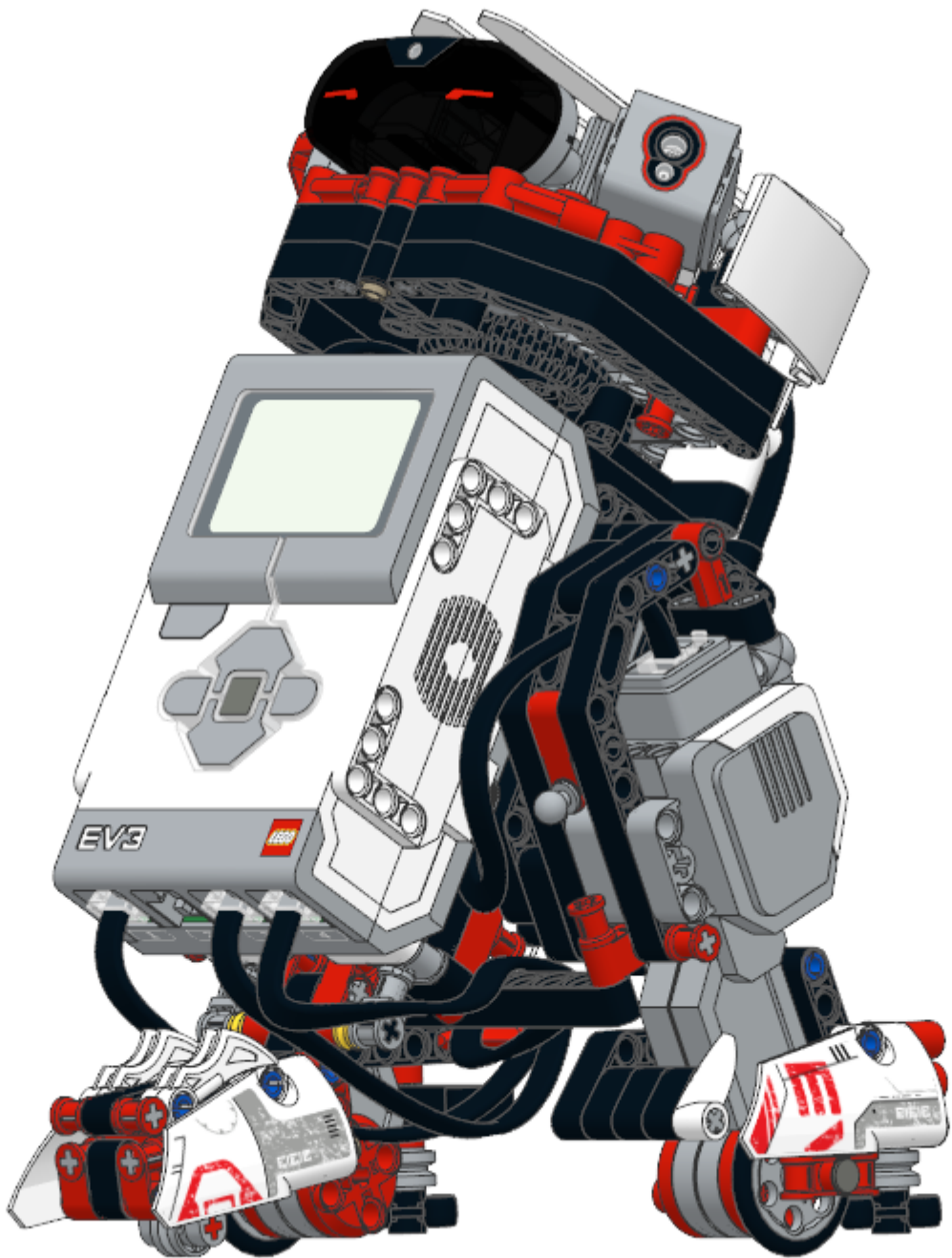
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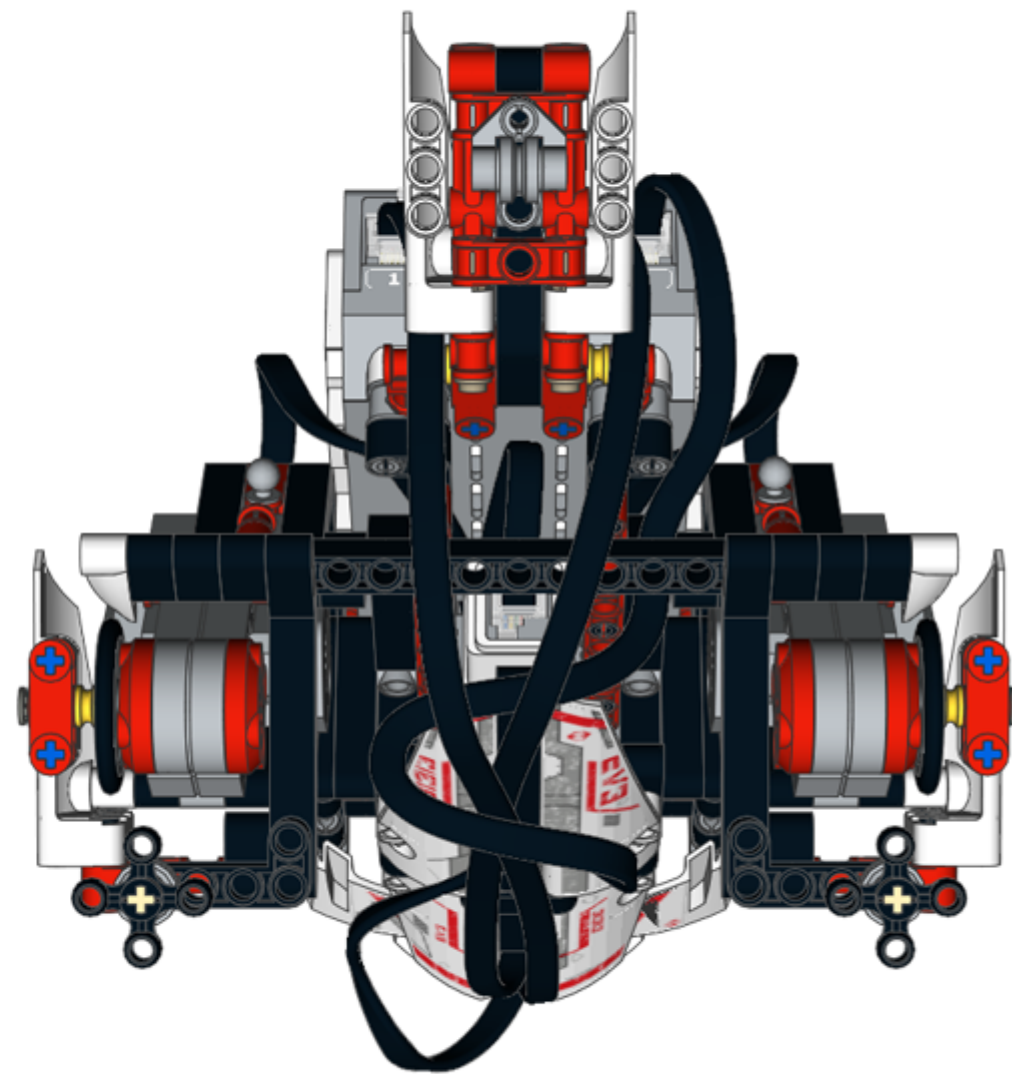
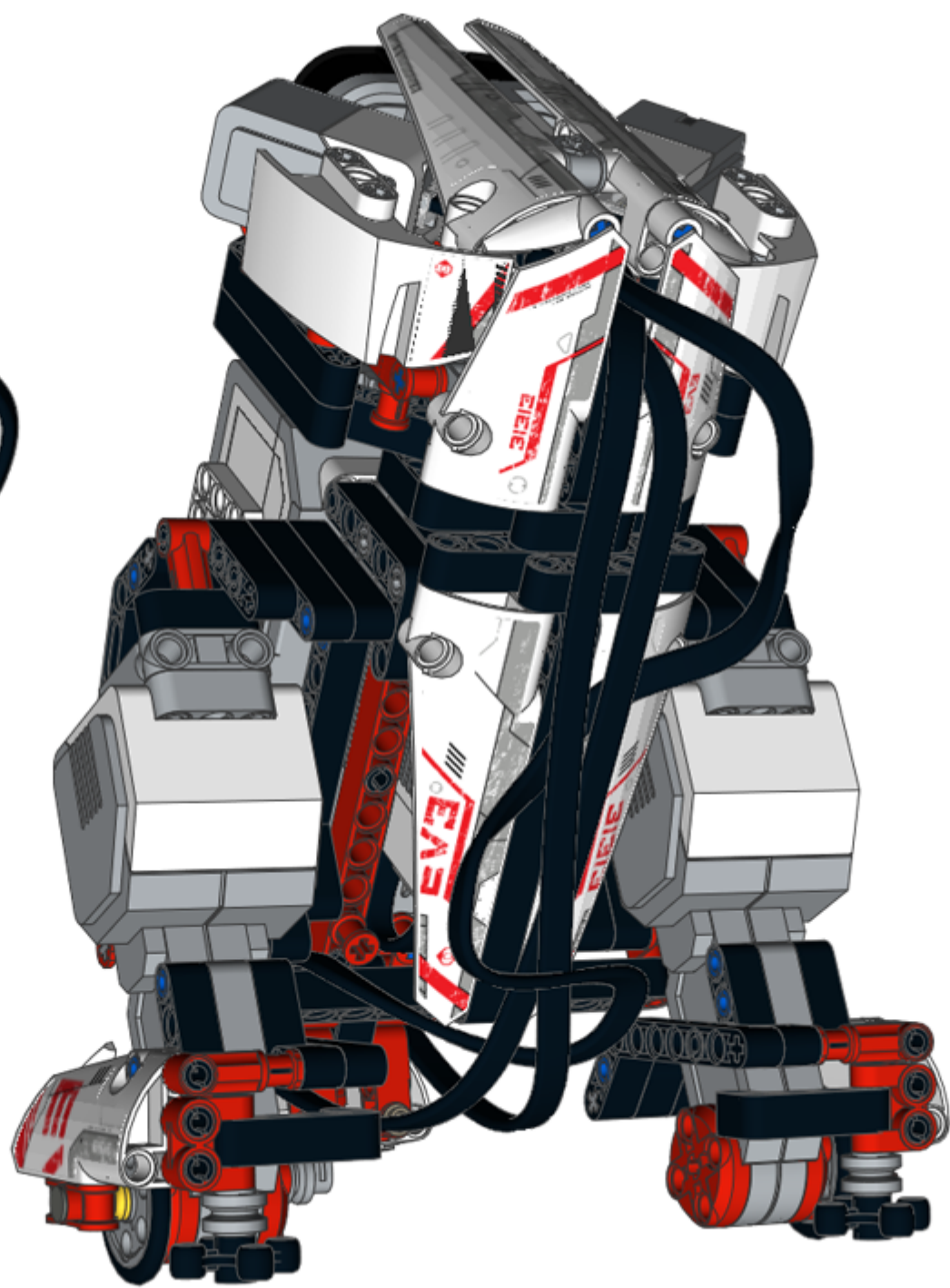
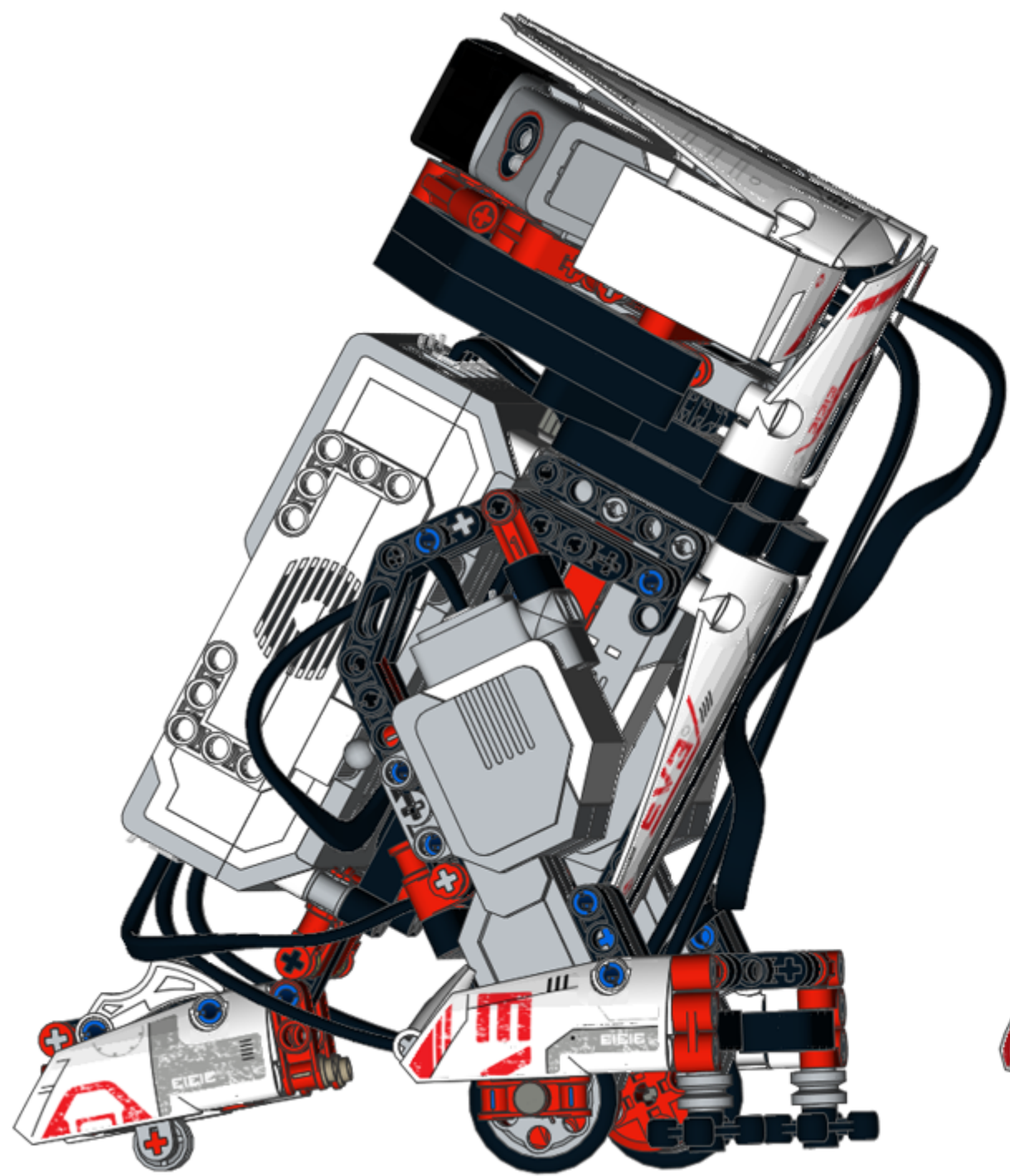


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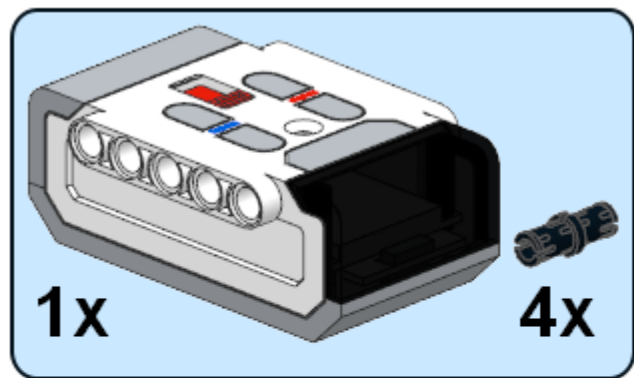


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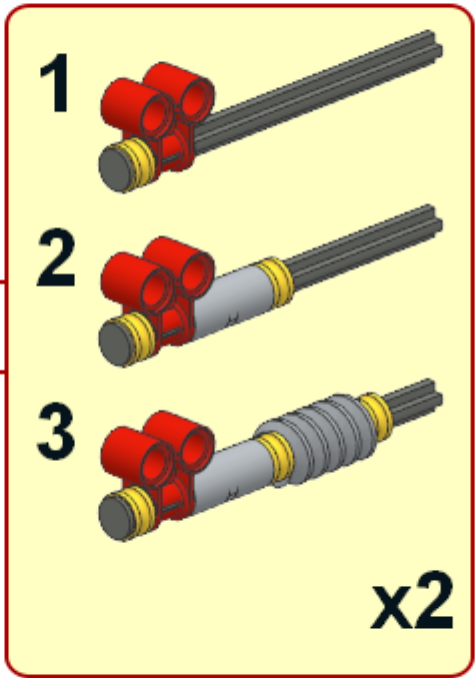
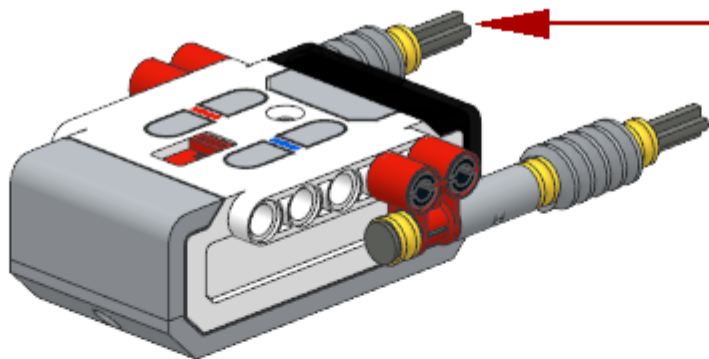
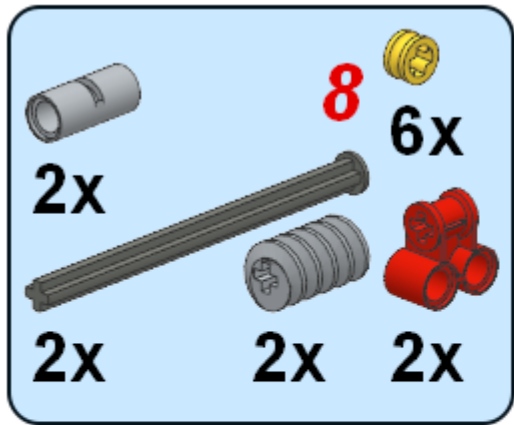




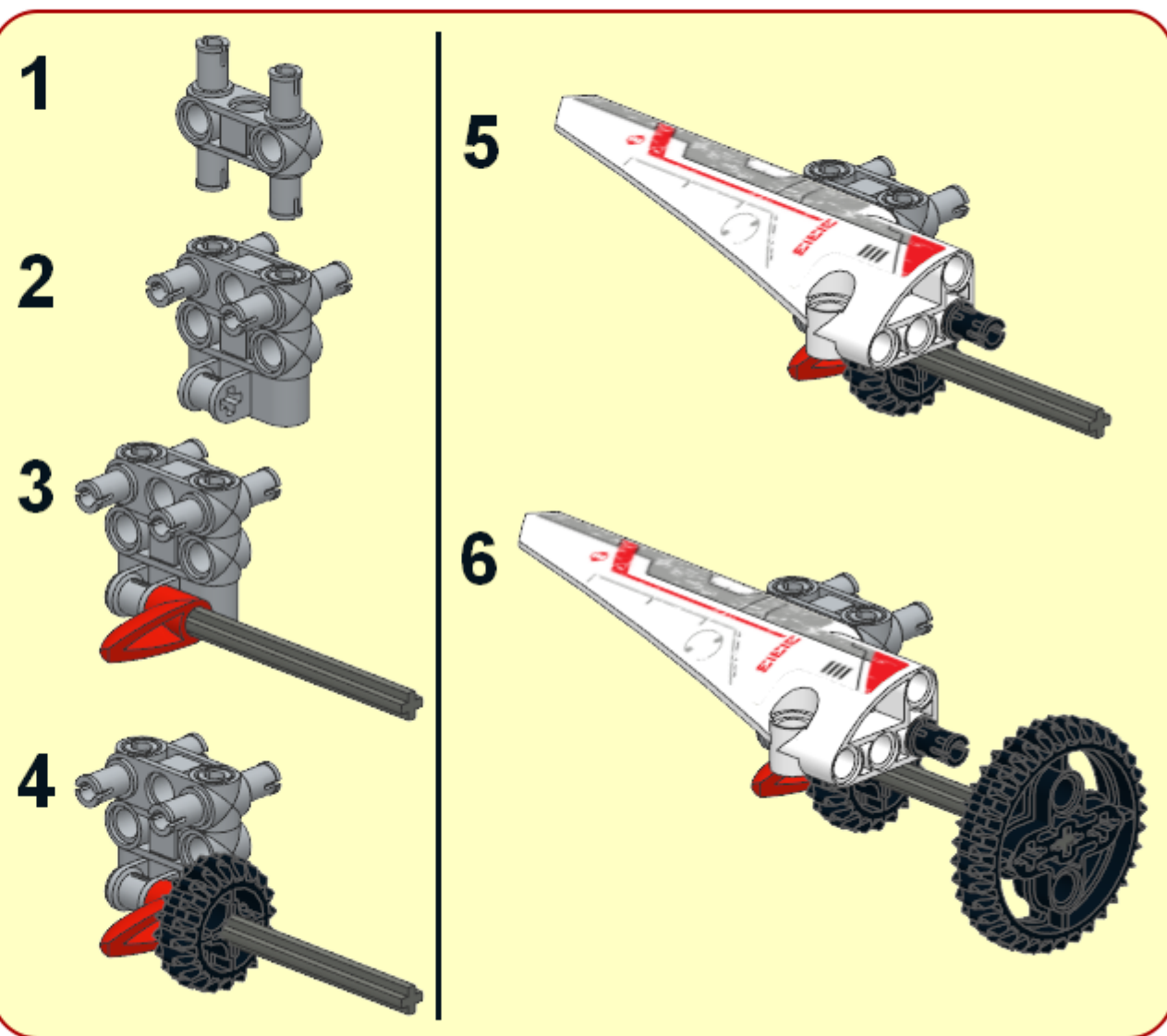
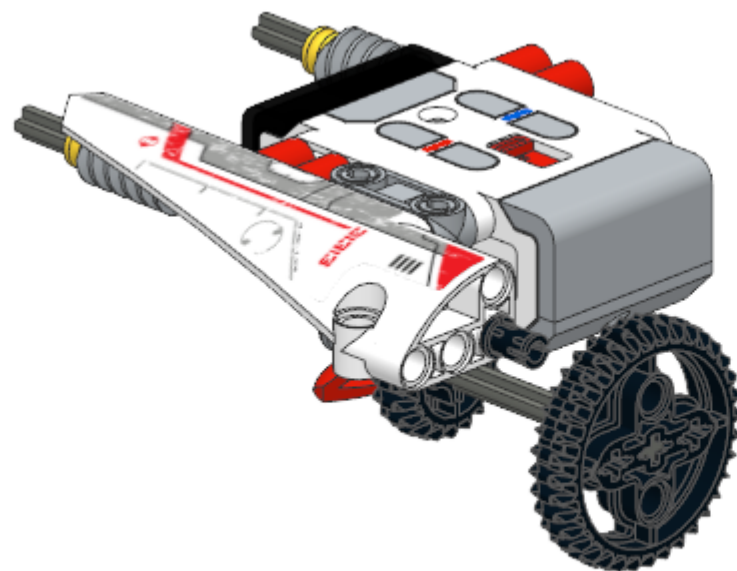
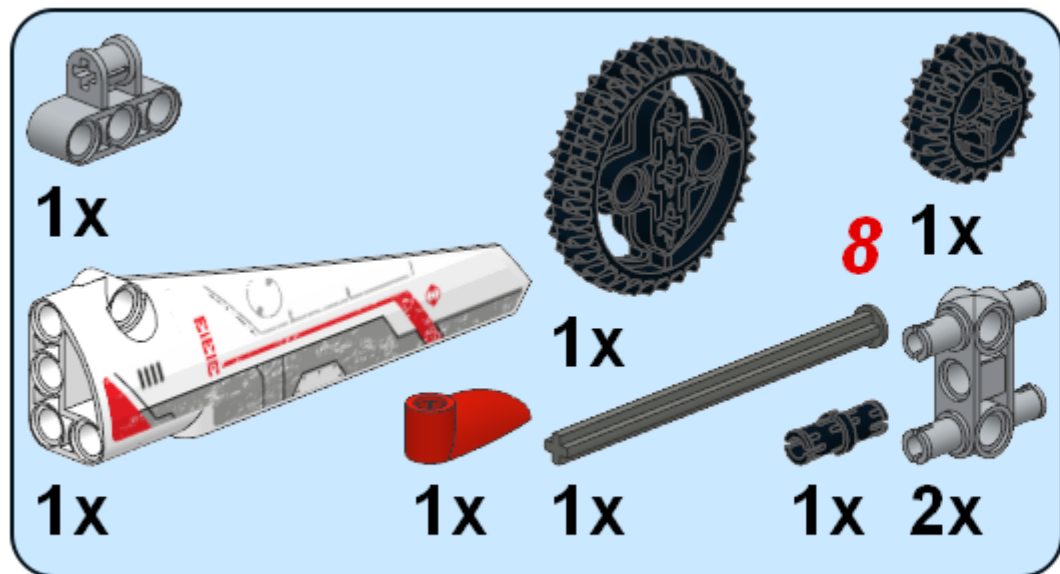
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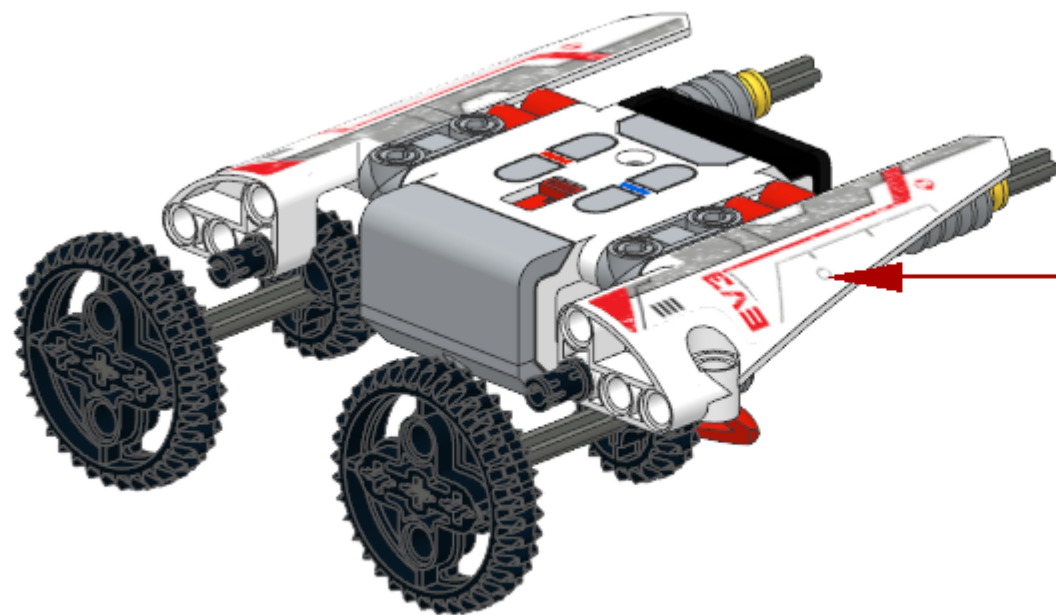
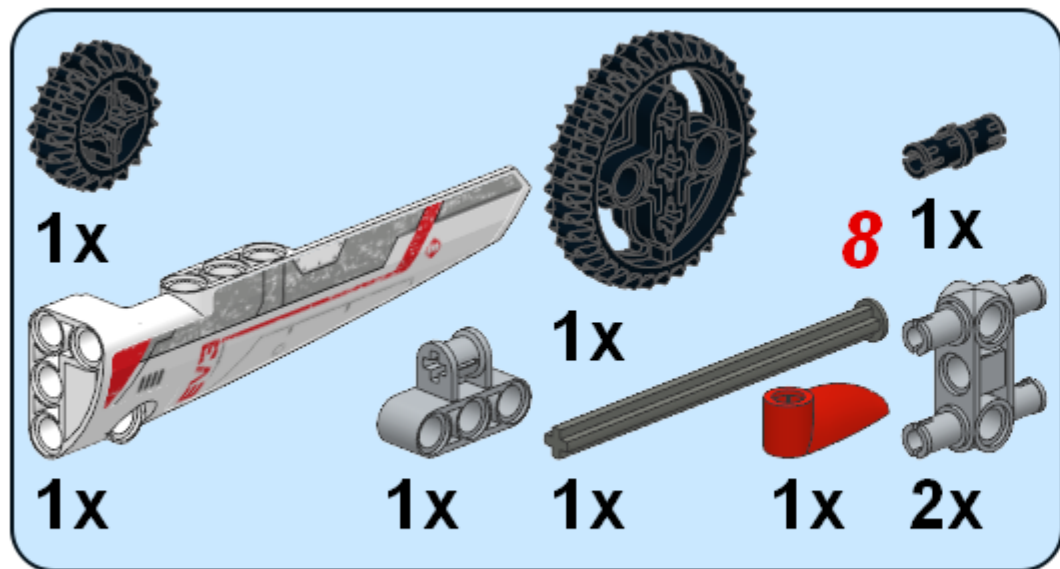
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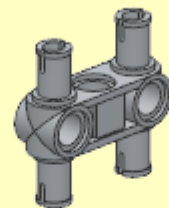
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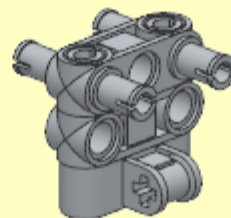
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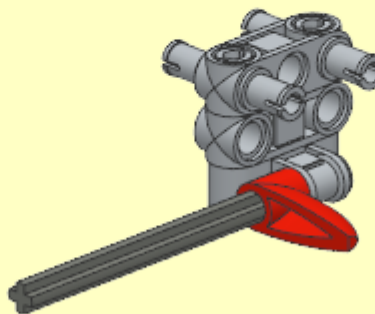
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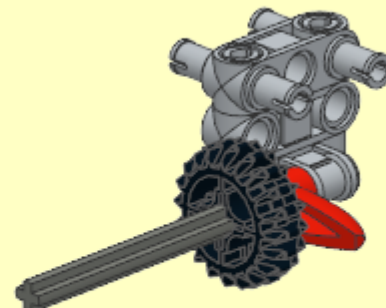
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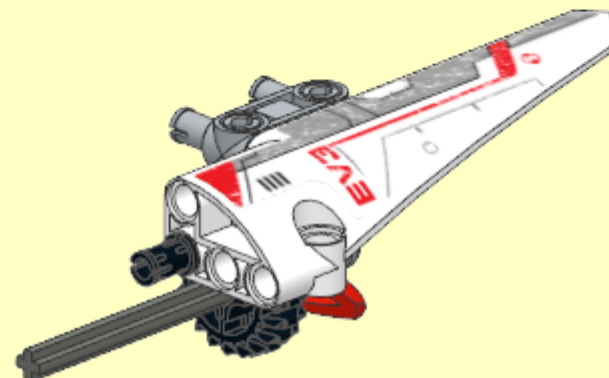
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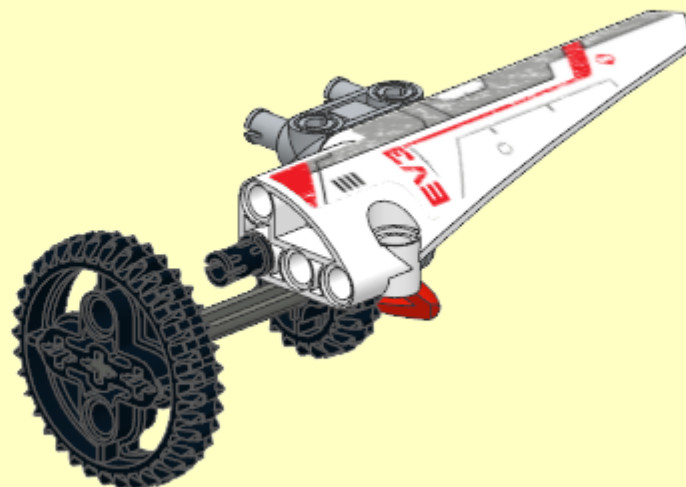
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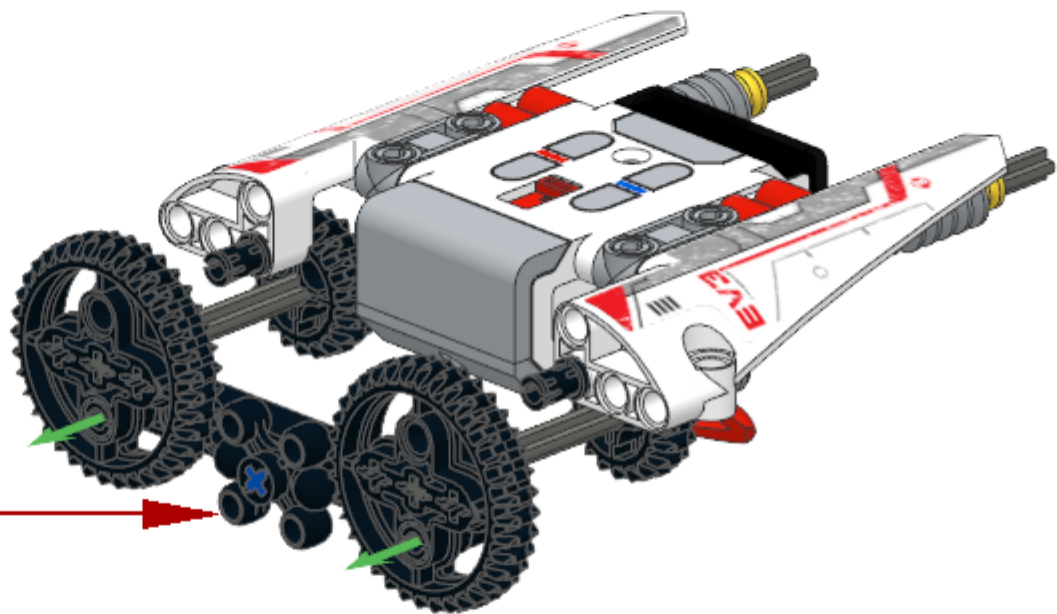
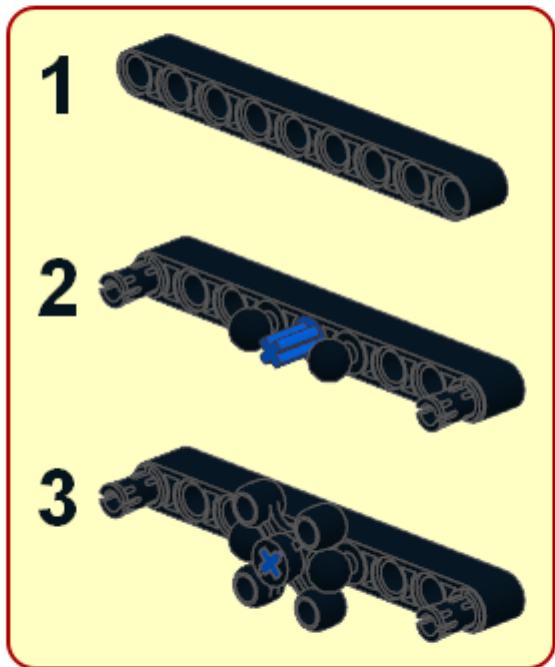
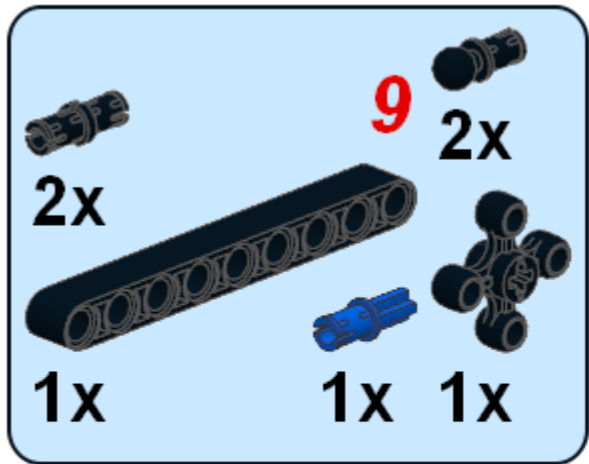
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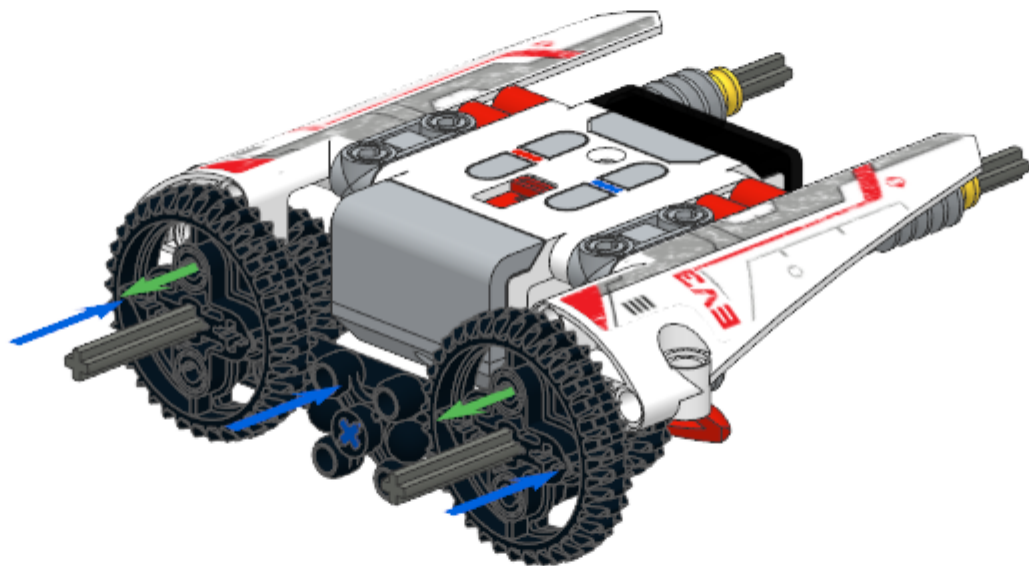
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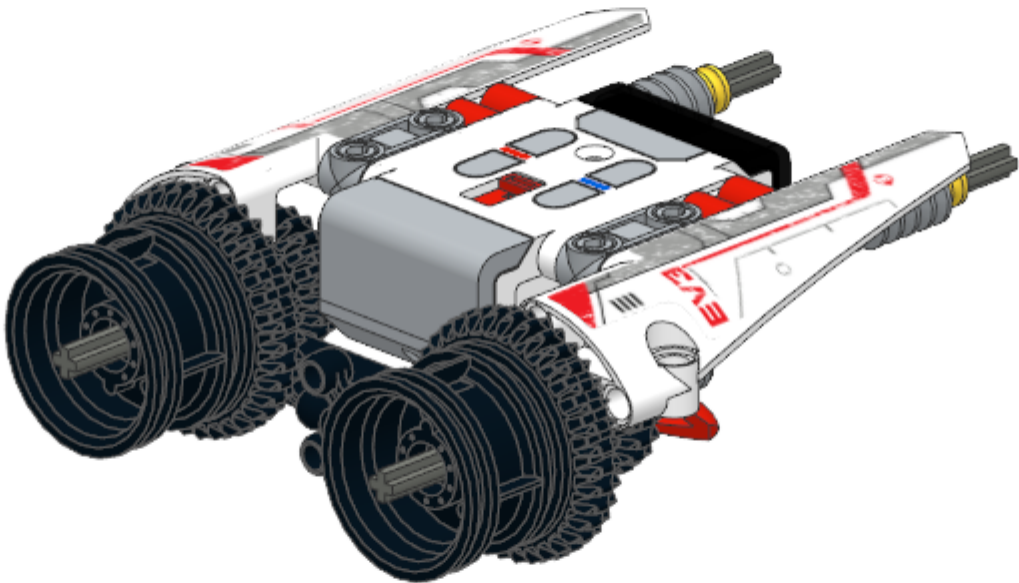
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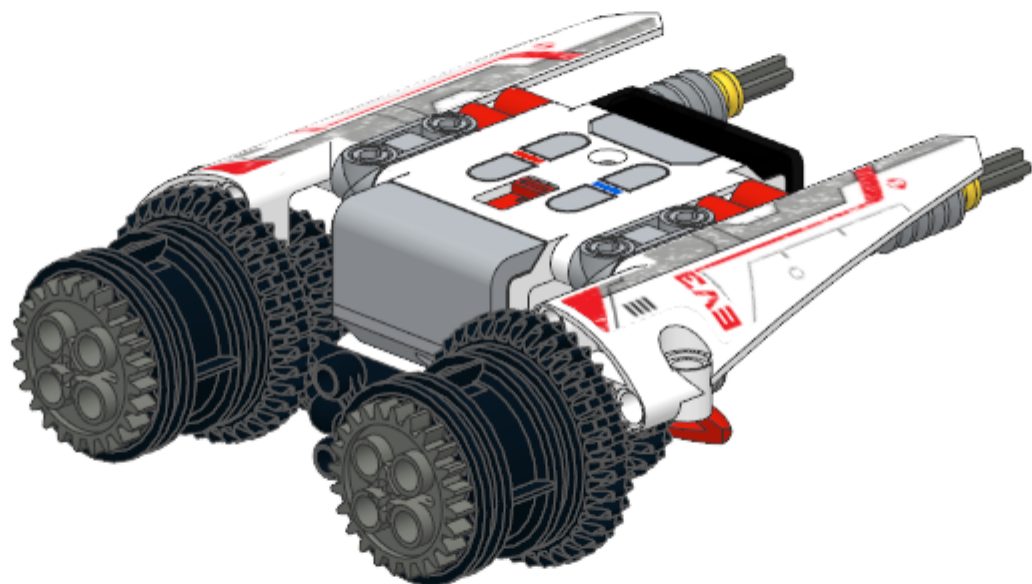
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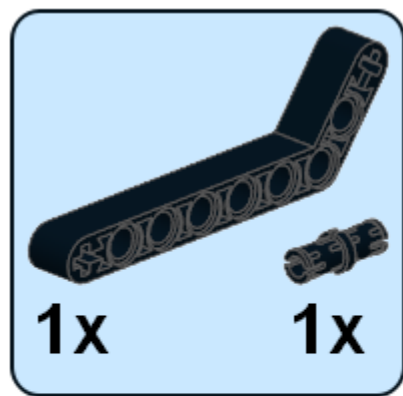
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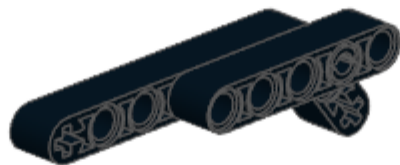
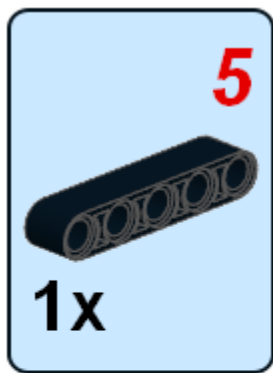
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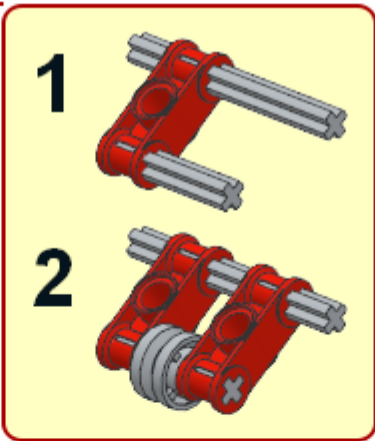
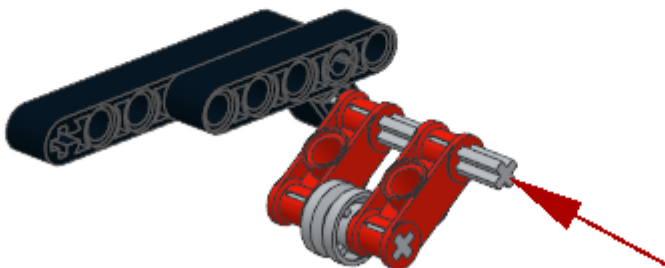
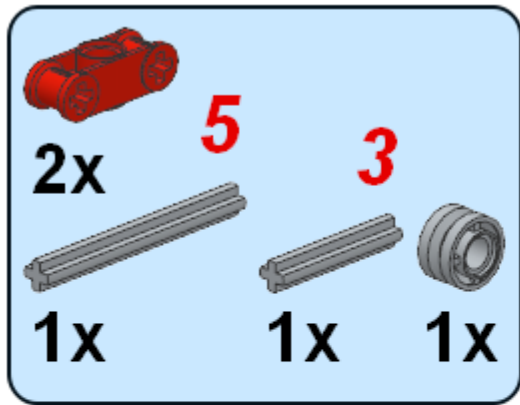
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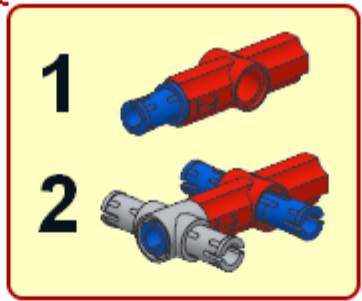
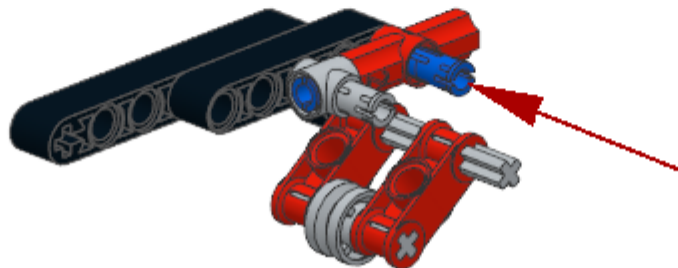
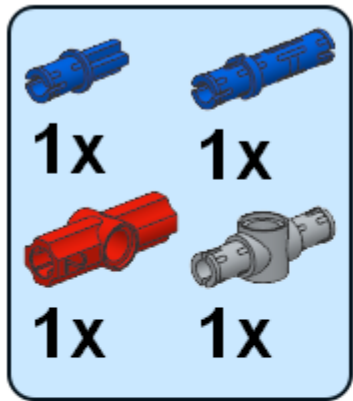
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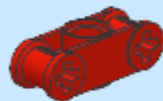
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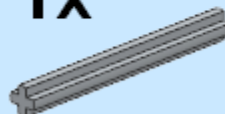


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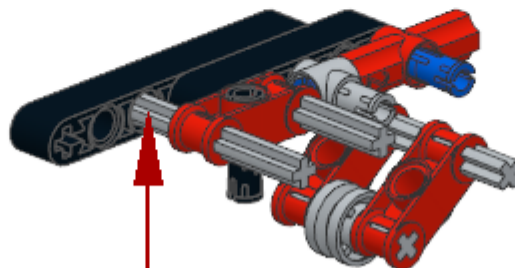


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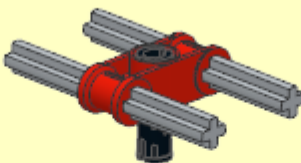
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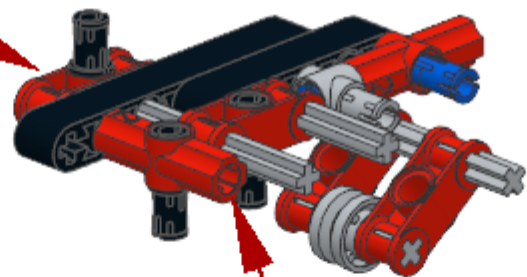
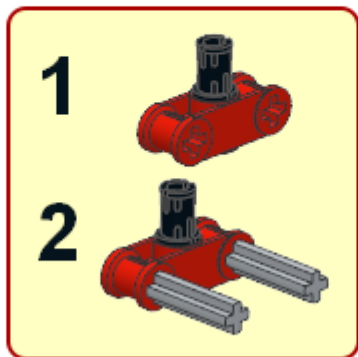
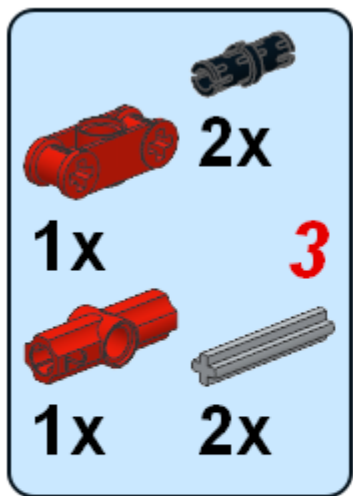
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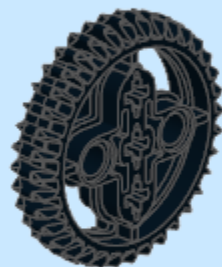
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2x



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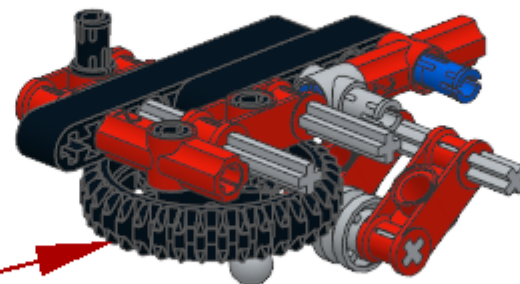
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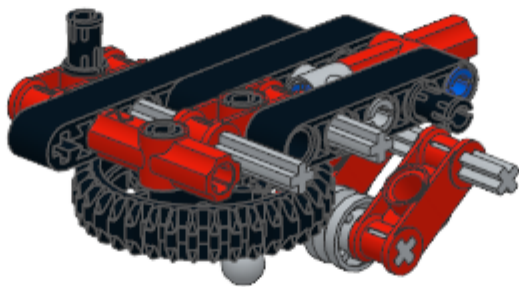


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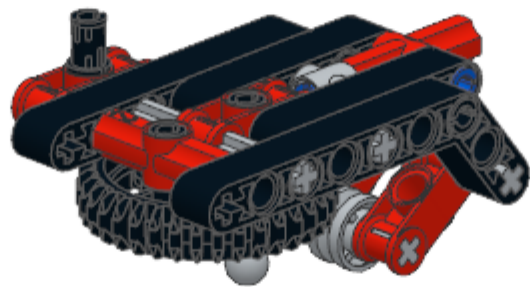
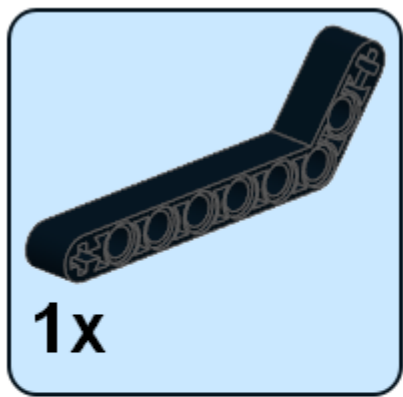

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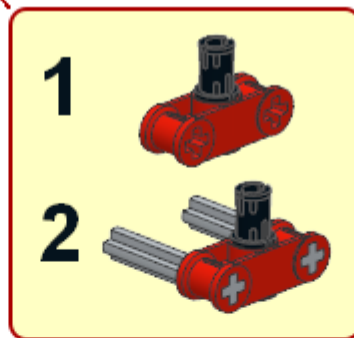
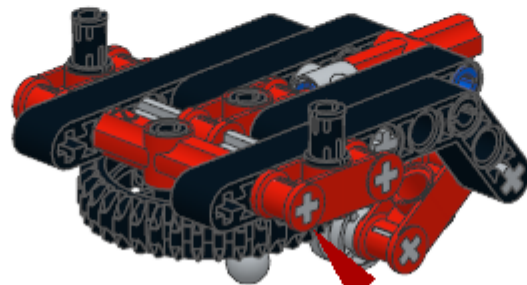
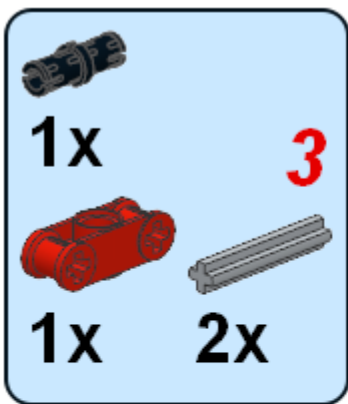
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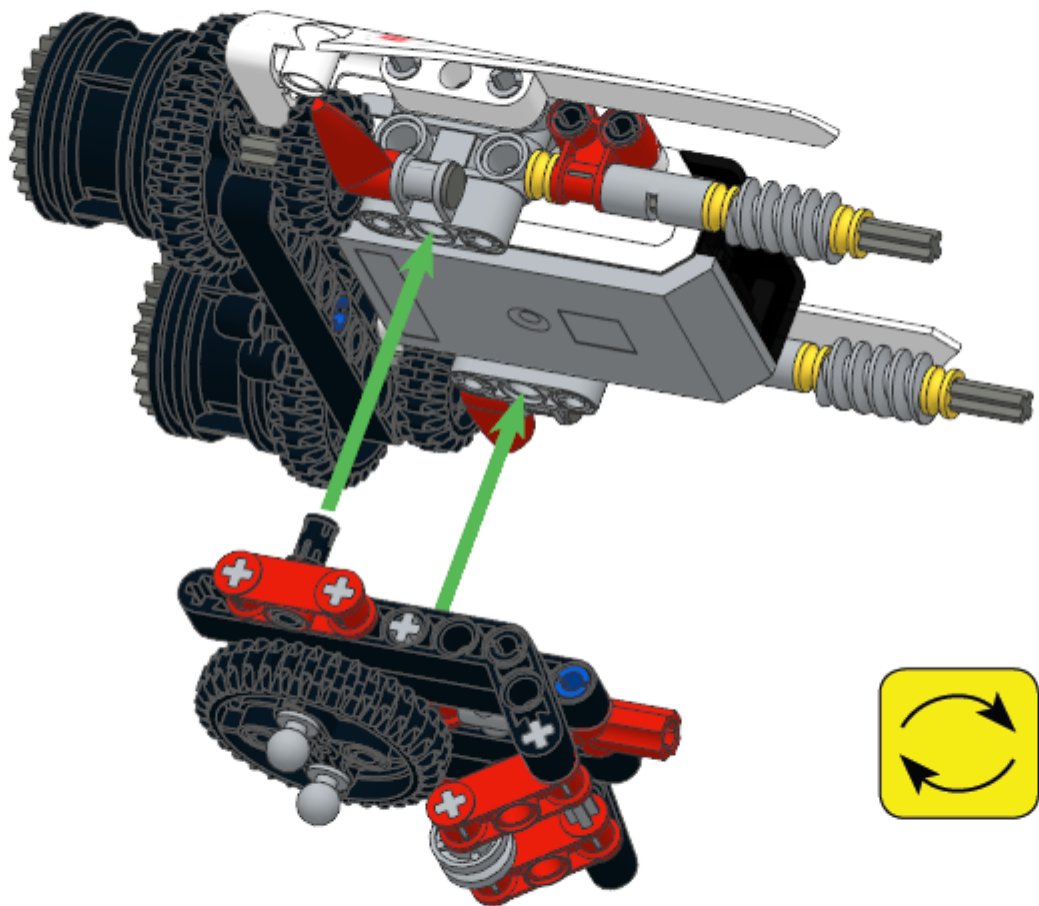
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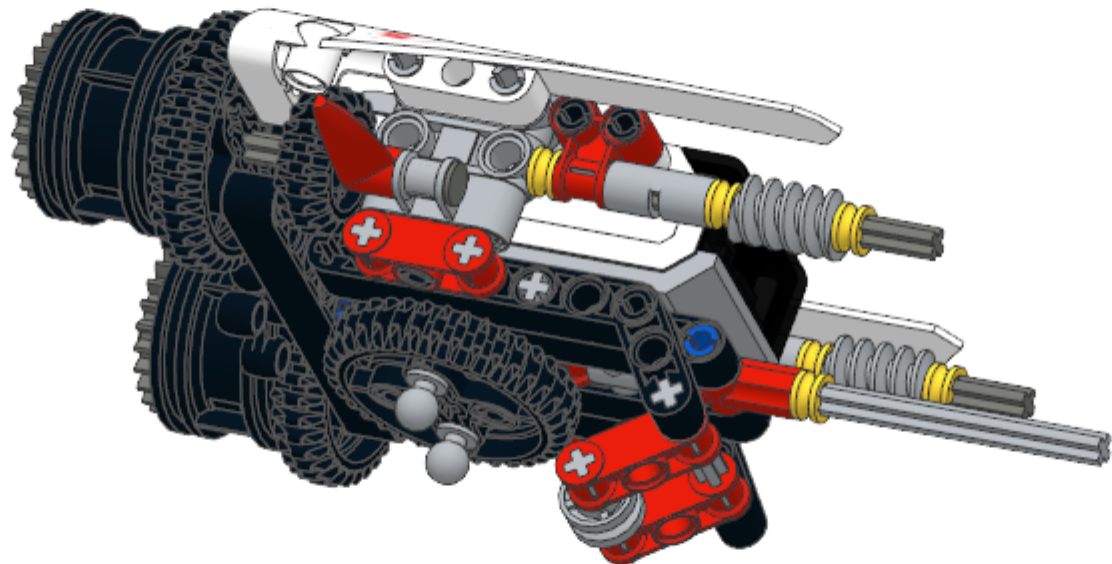
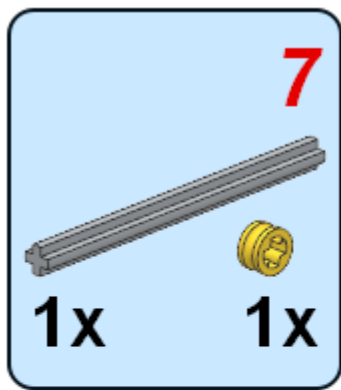
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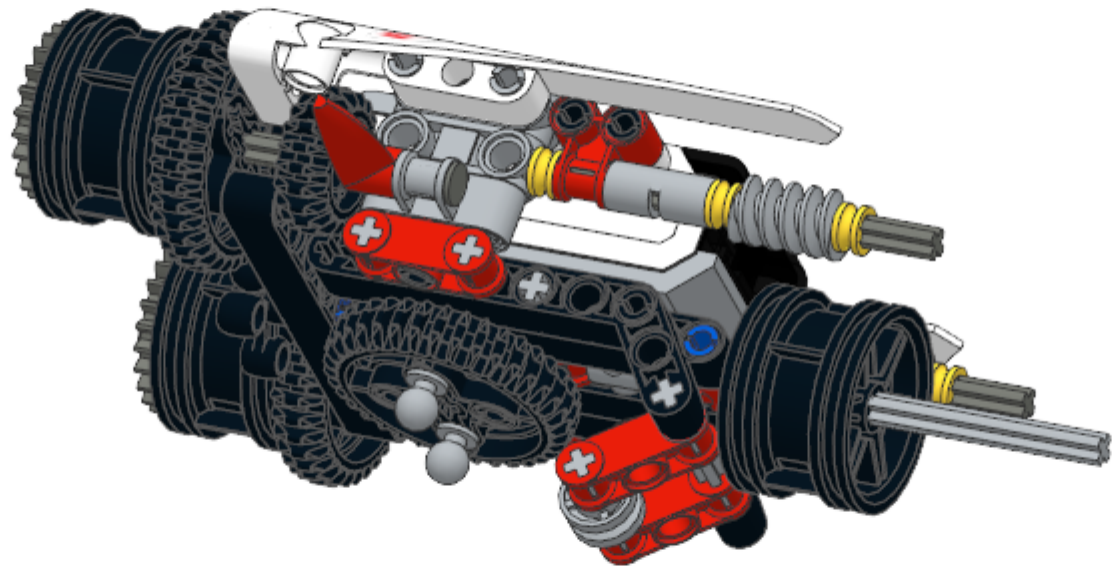
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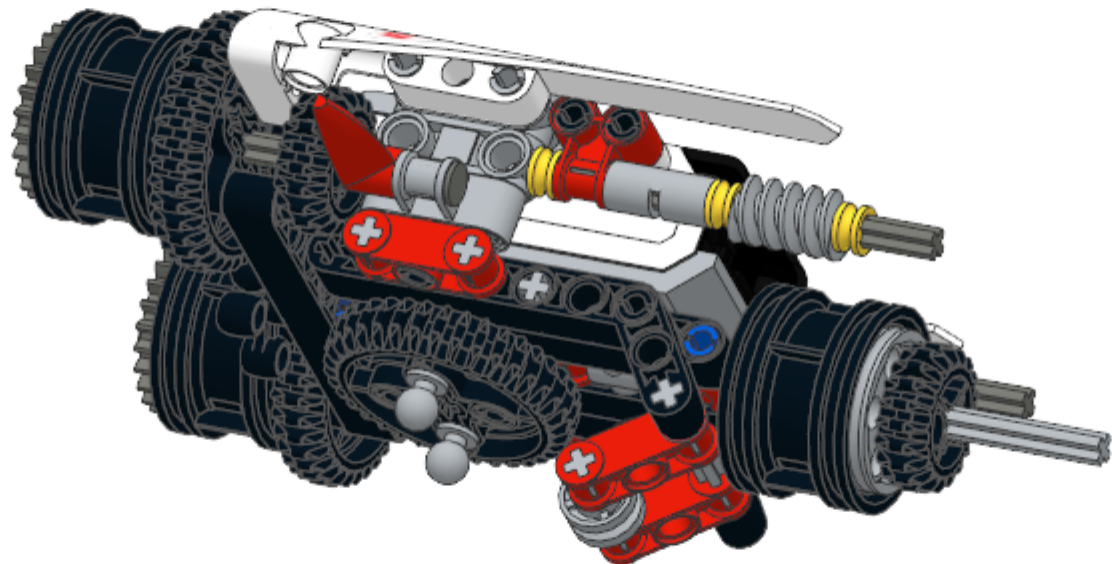
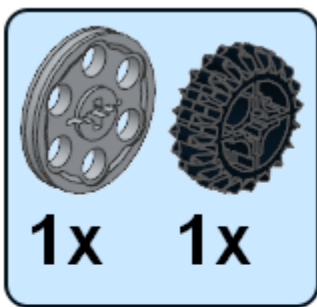
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