

**LEGO** MINDSTORMS®  
EV3

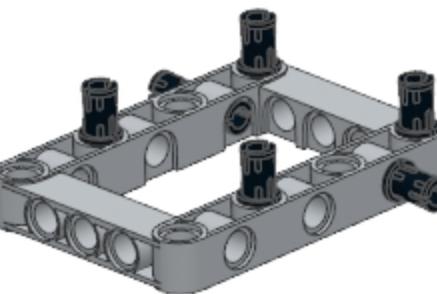
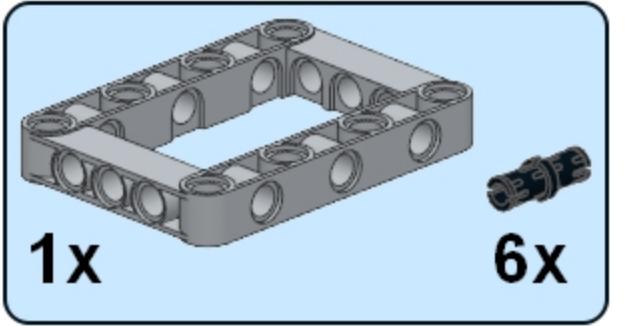


**EV3D4**

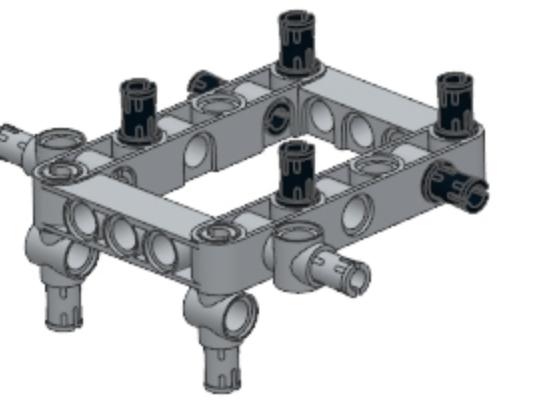
Model Design  
and Programming Instructions  
by: **Vassilis Chryssanthakopoulos**

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

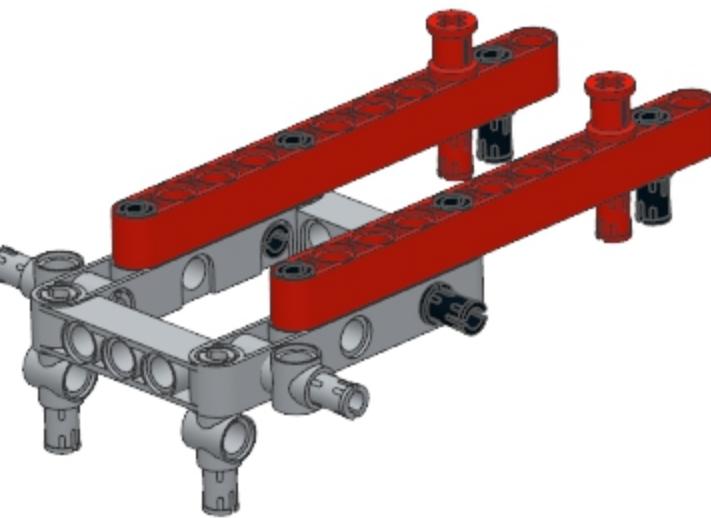
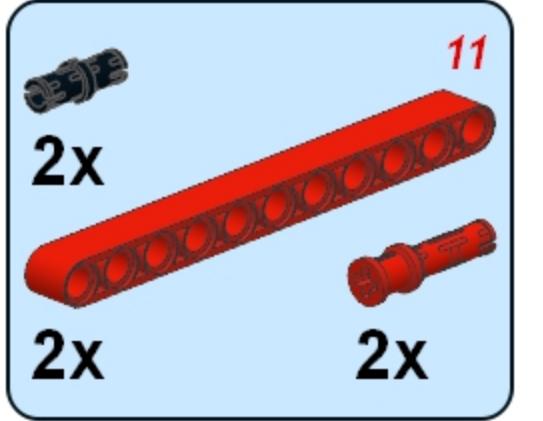
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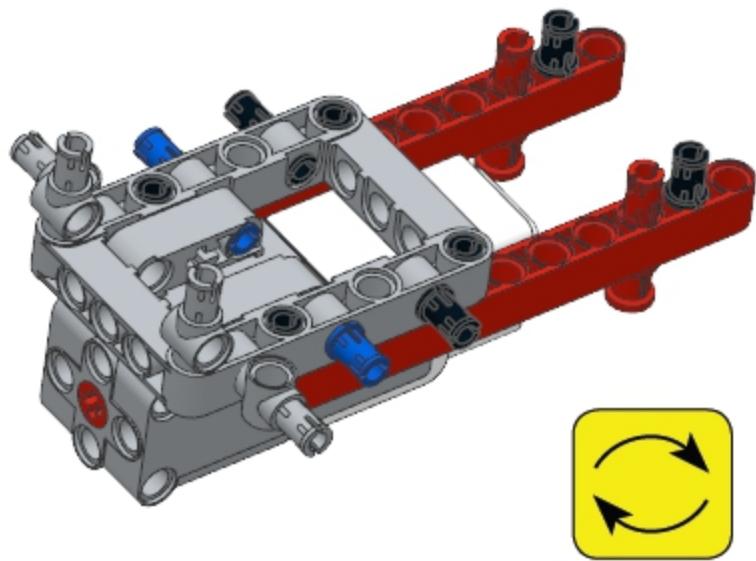
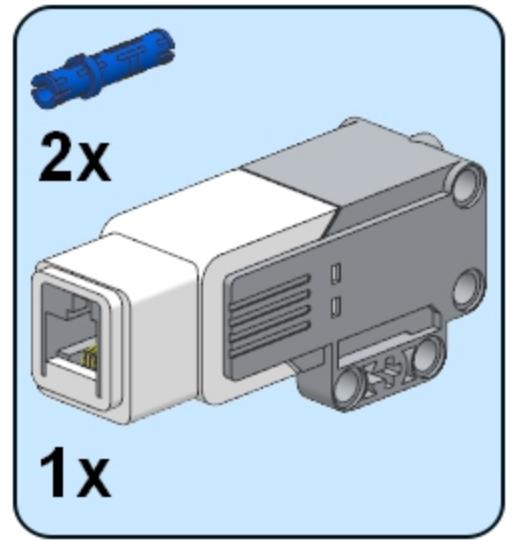
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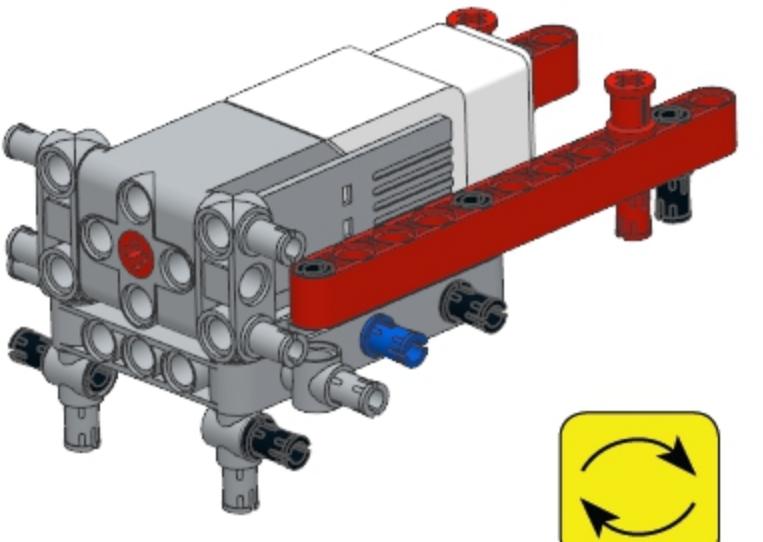
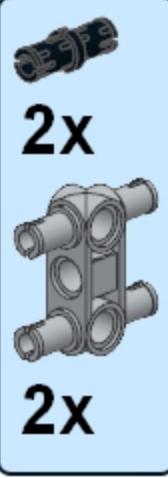
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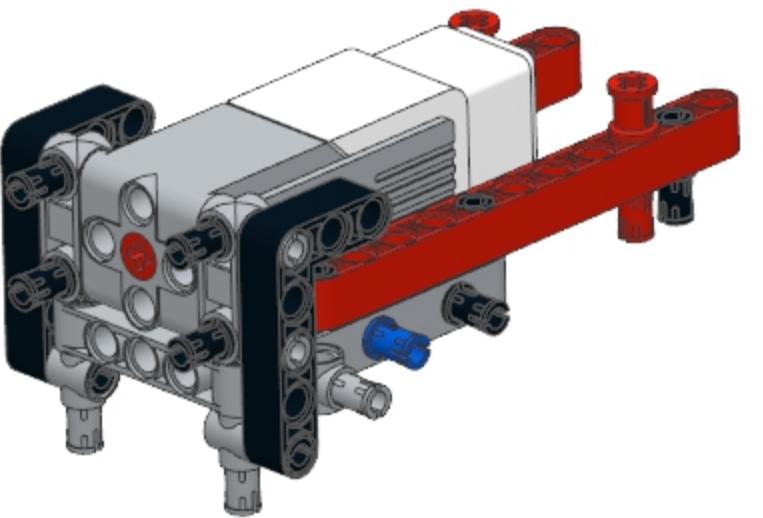
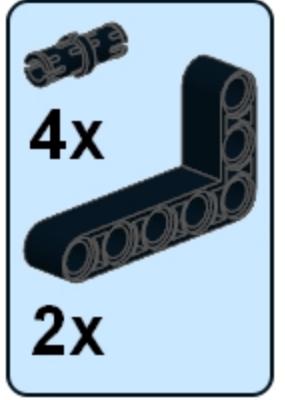
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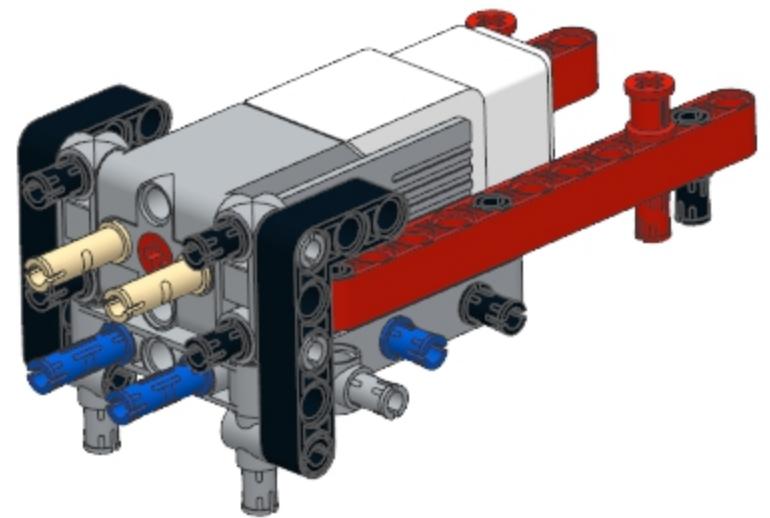
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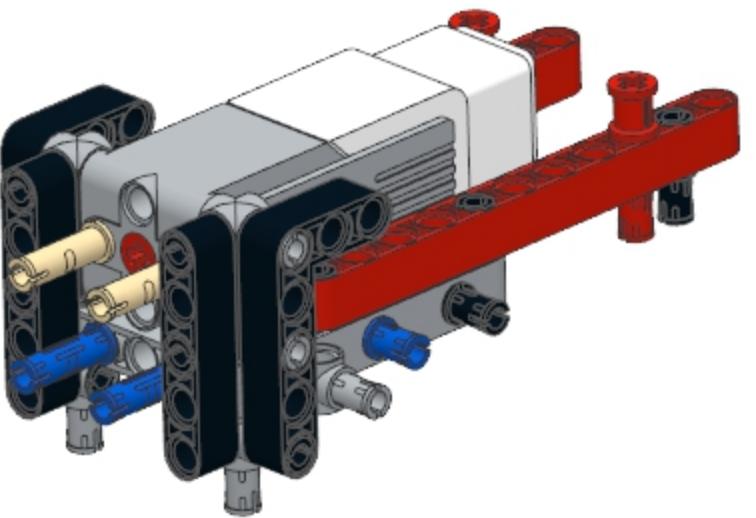
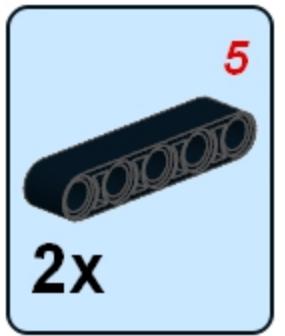
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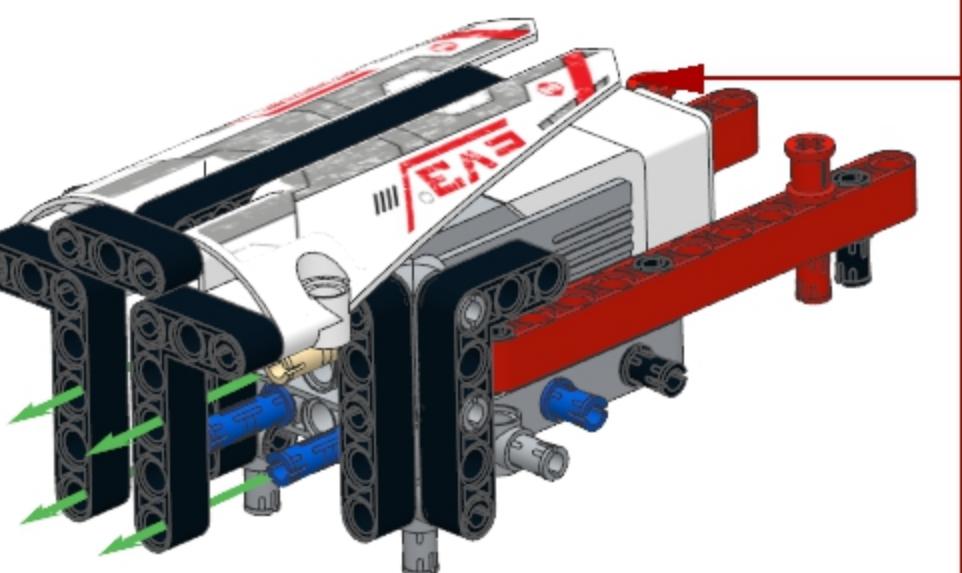
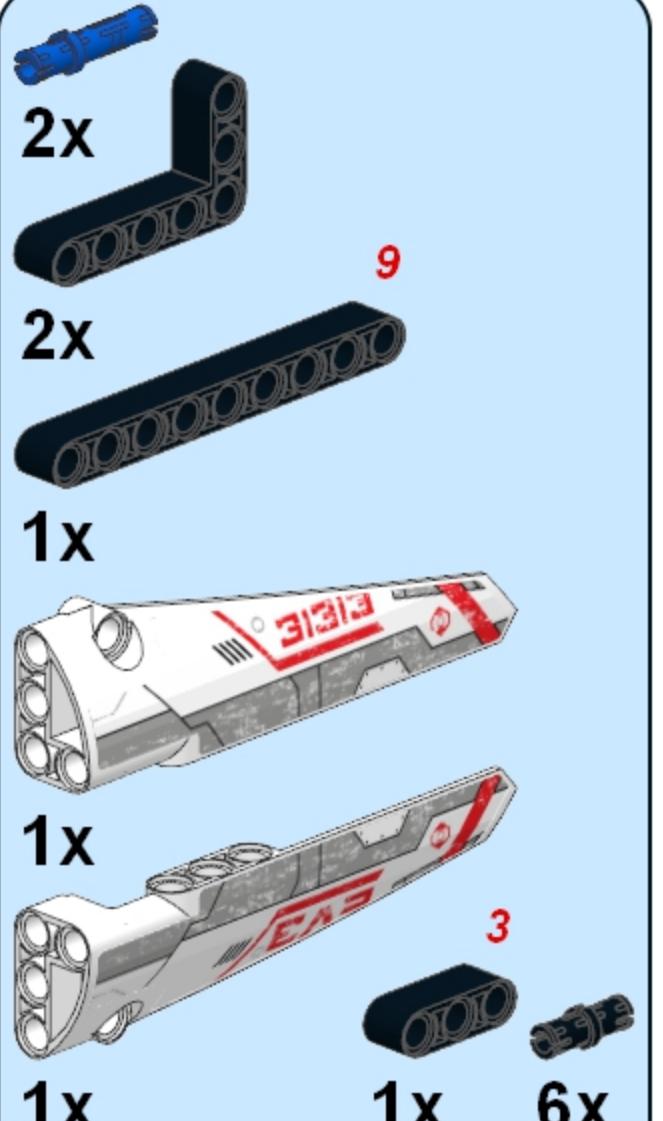
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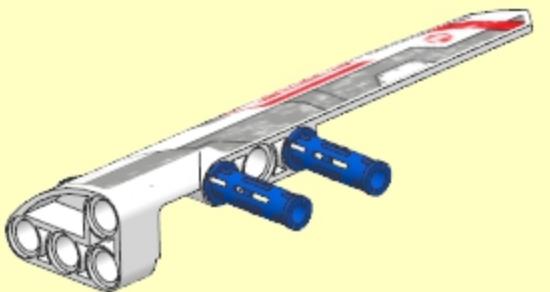
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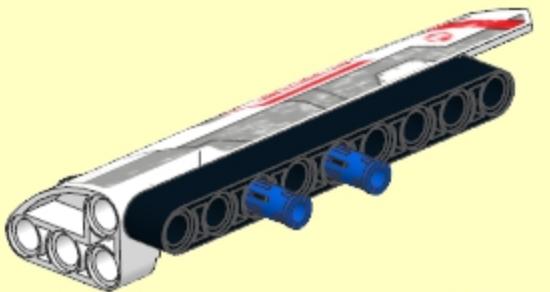
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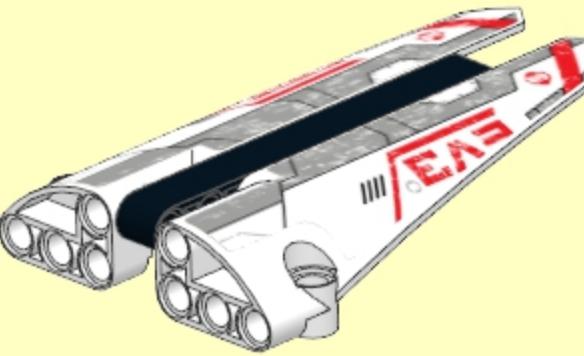
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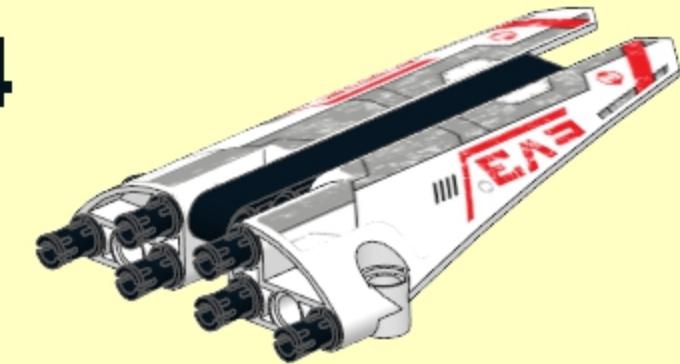
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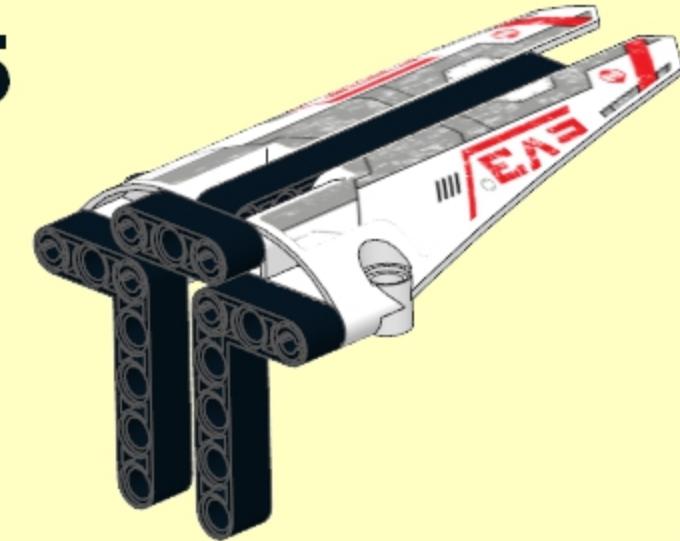
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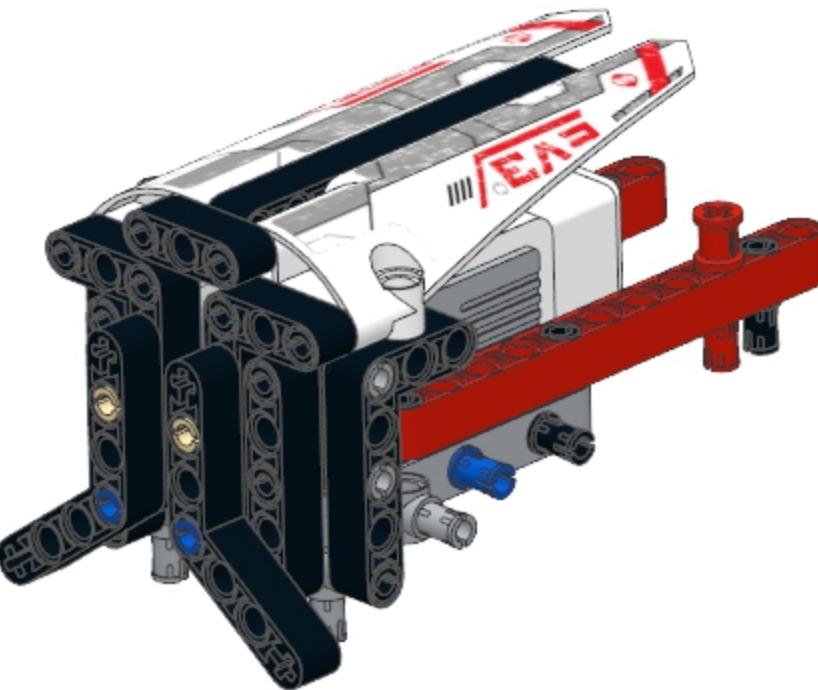
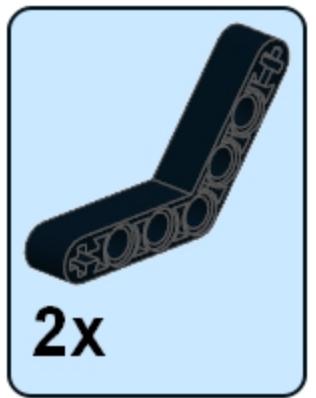
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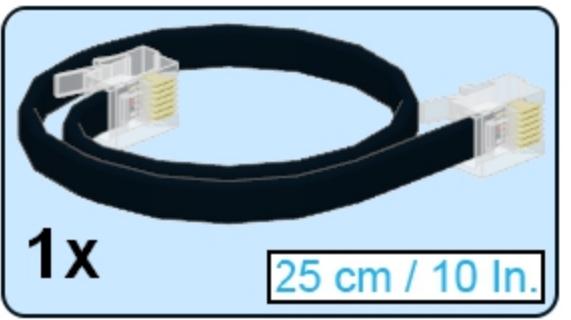
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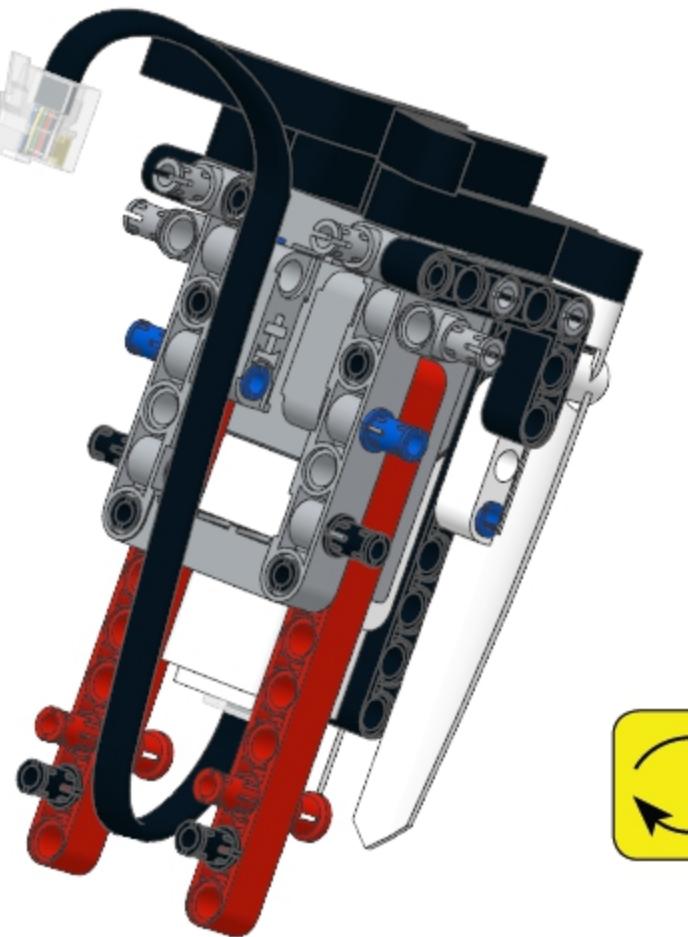


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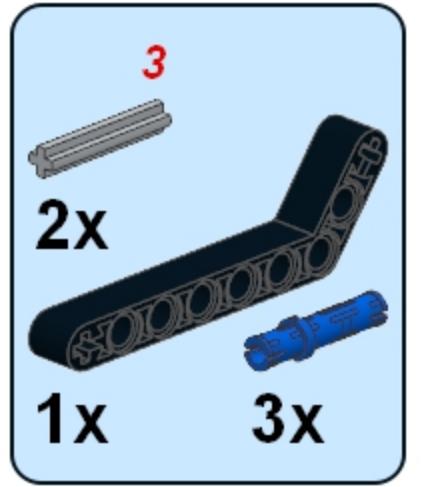


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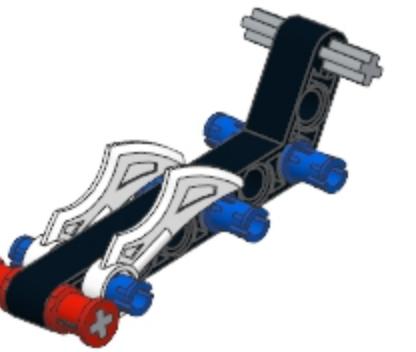
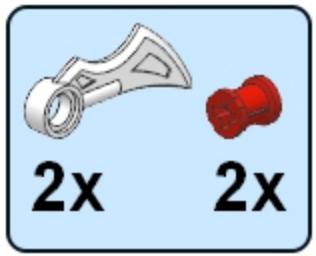
**25 cm / 10 In.**



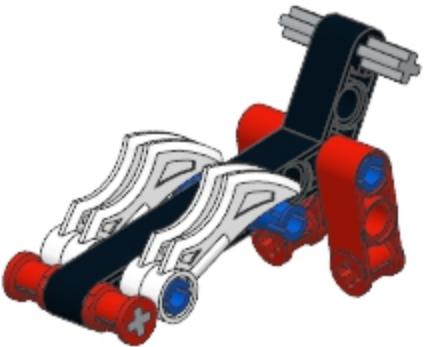
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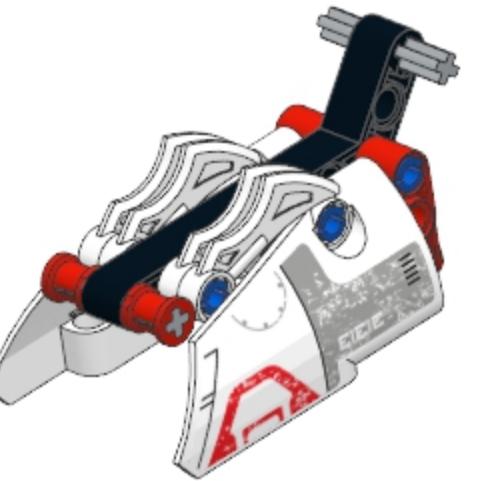
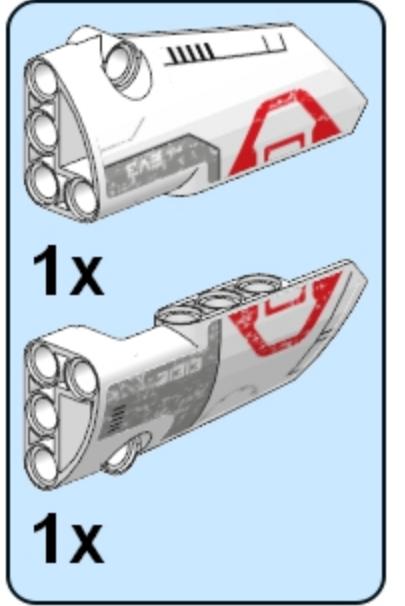
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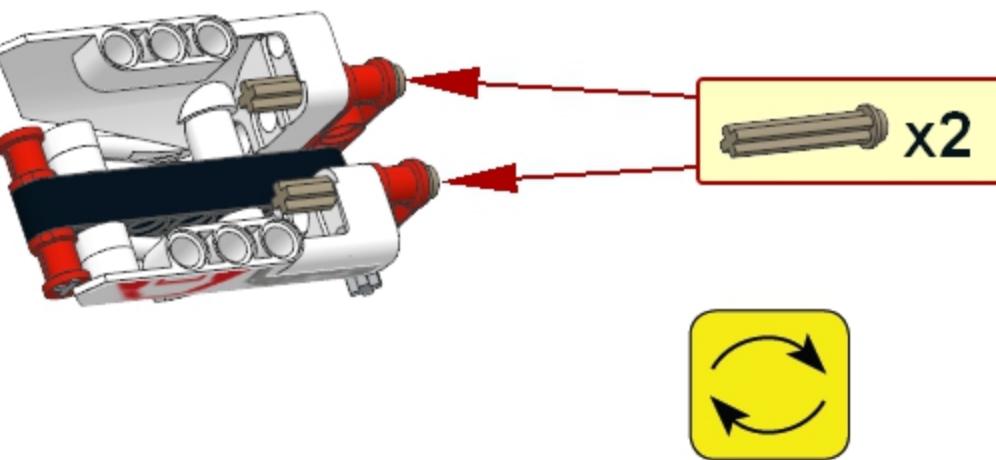
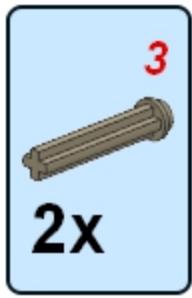
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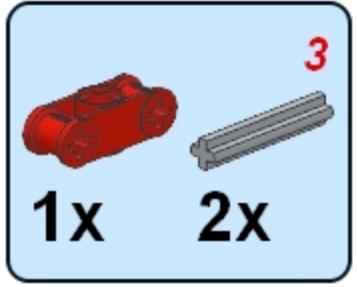
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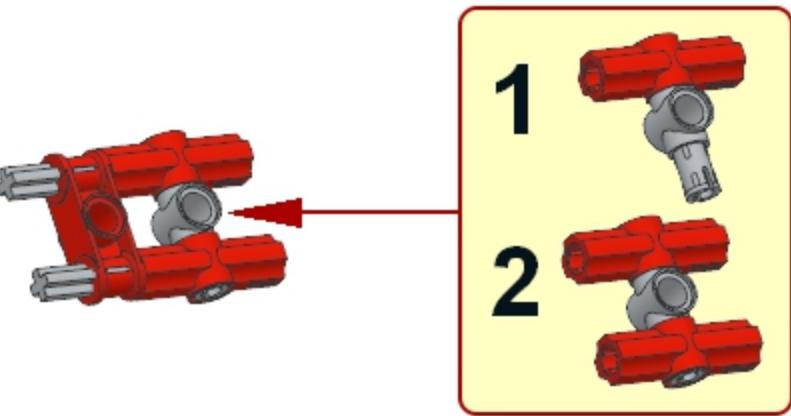
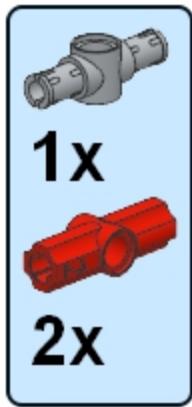
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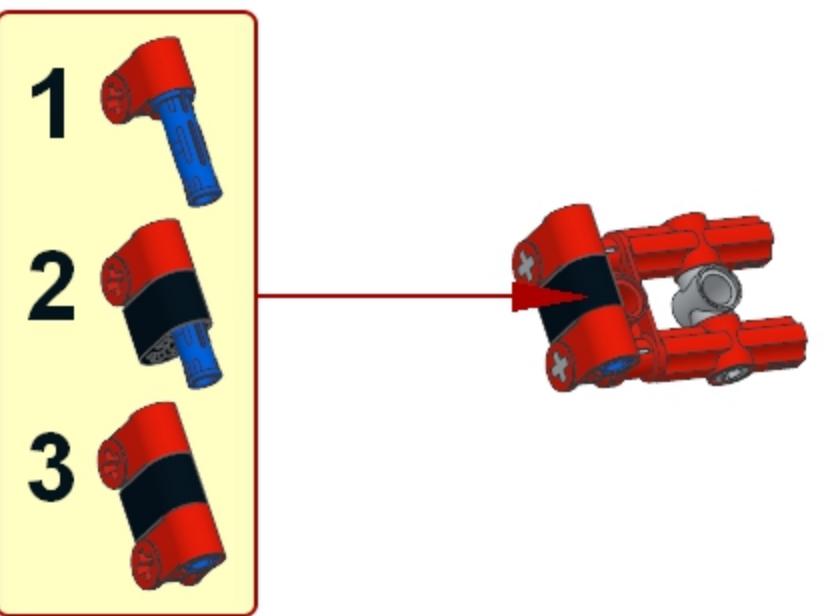
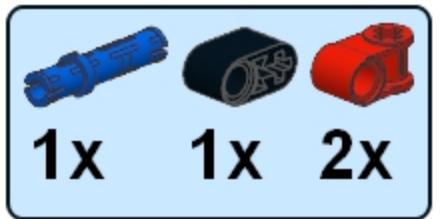
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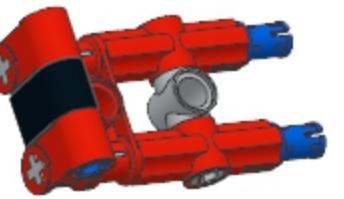


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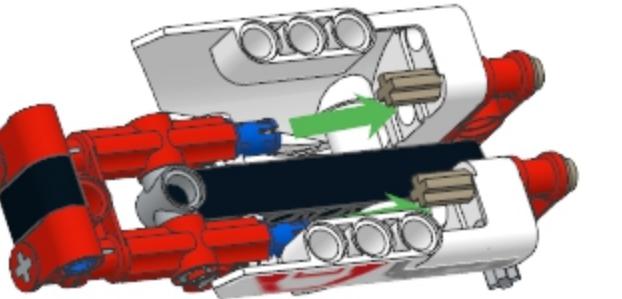




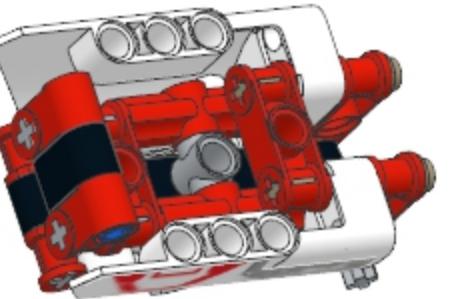
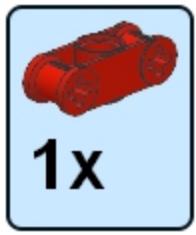
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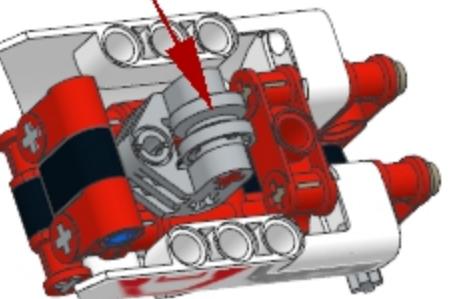
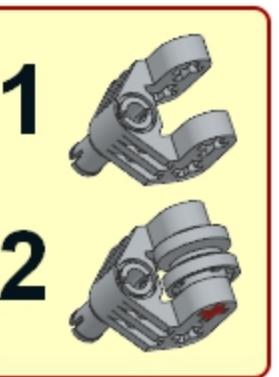
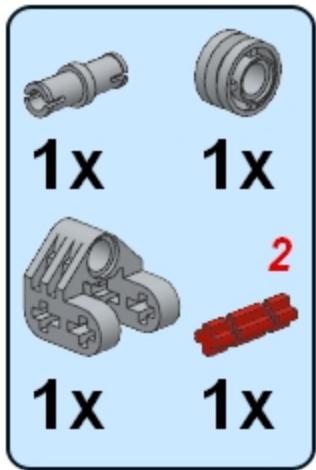
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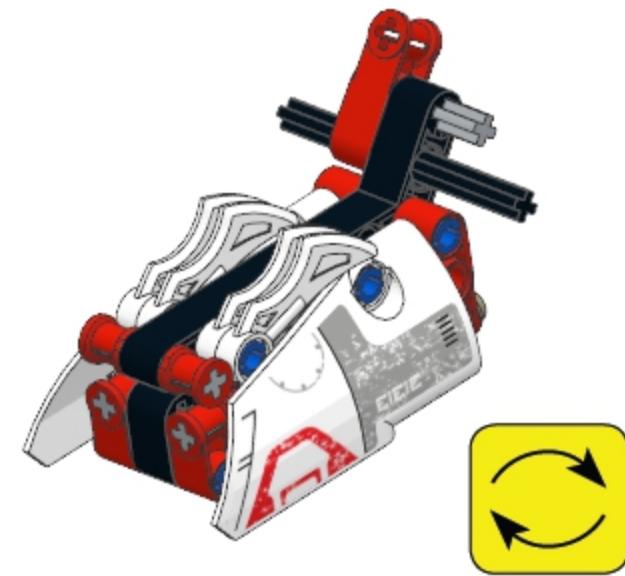
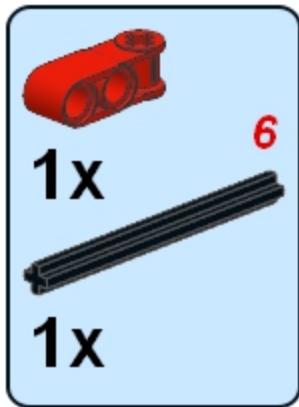
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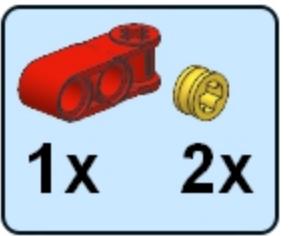
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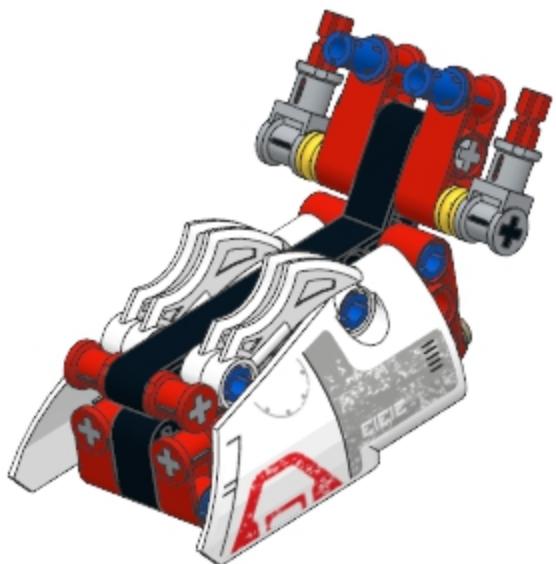
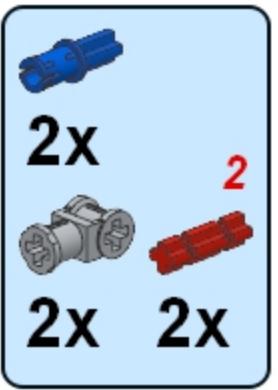
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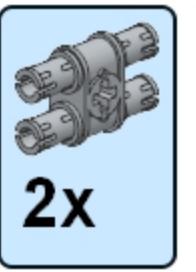
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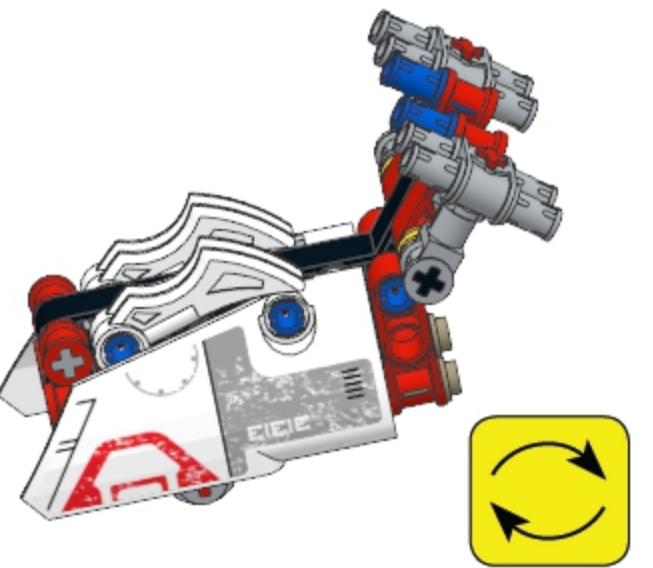
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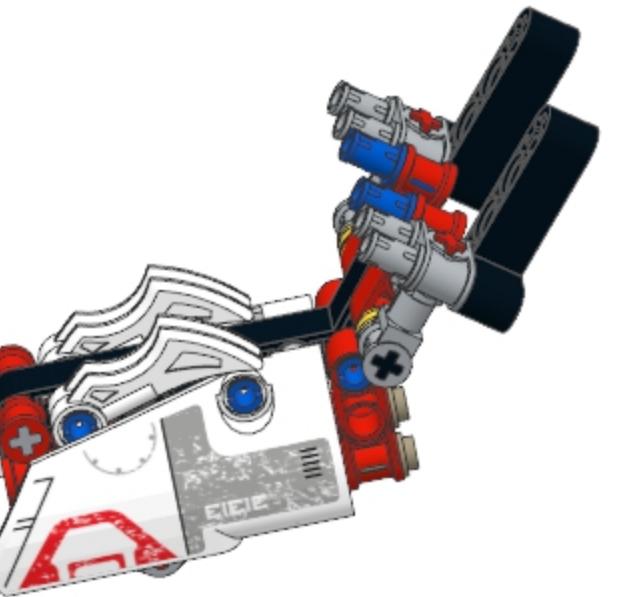
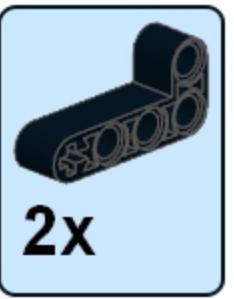
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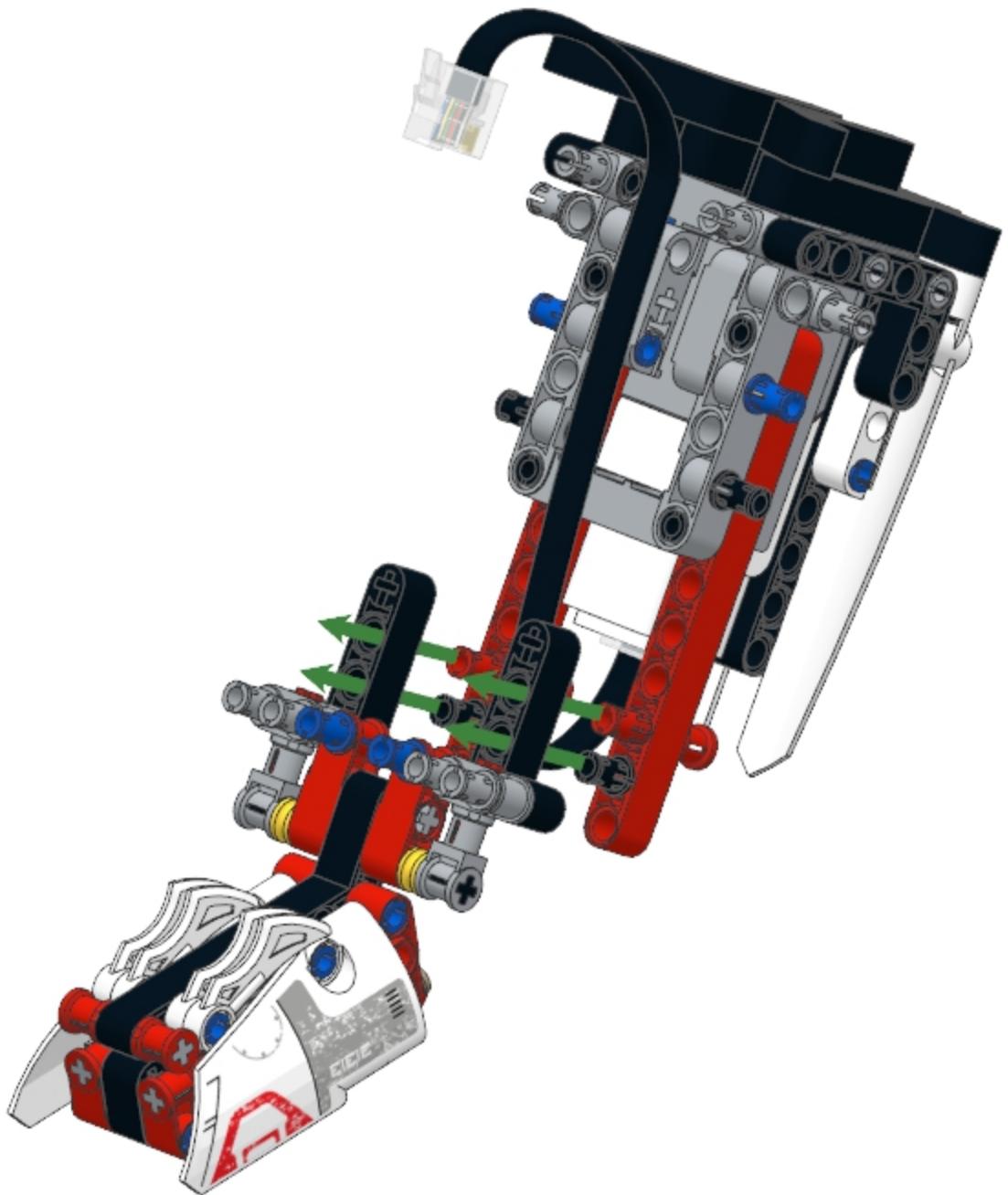
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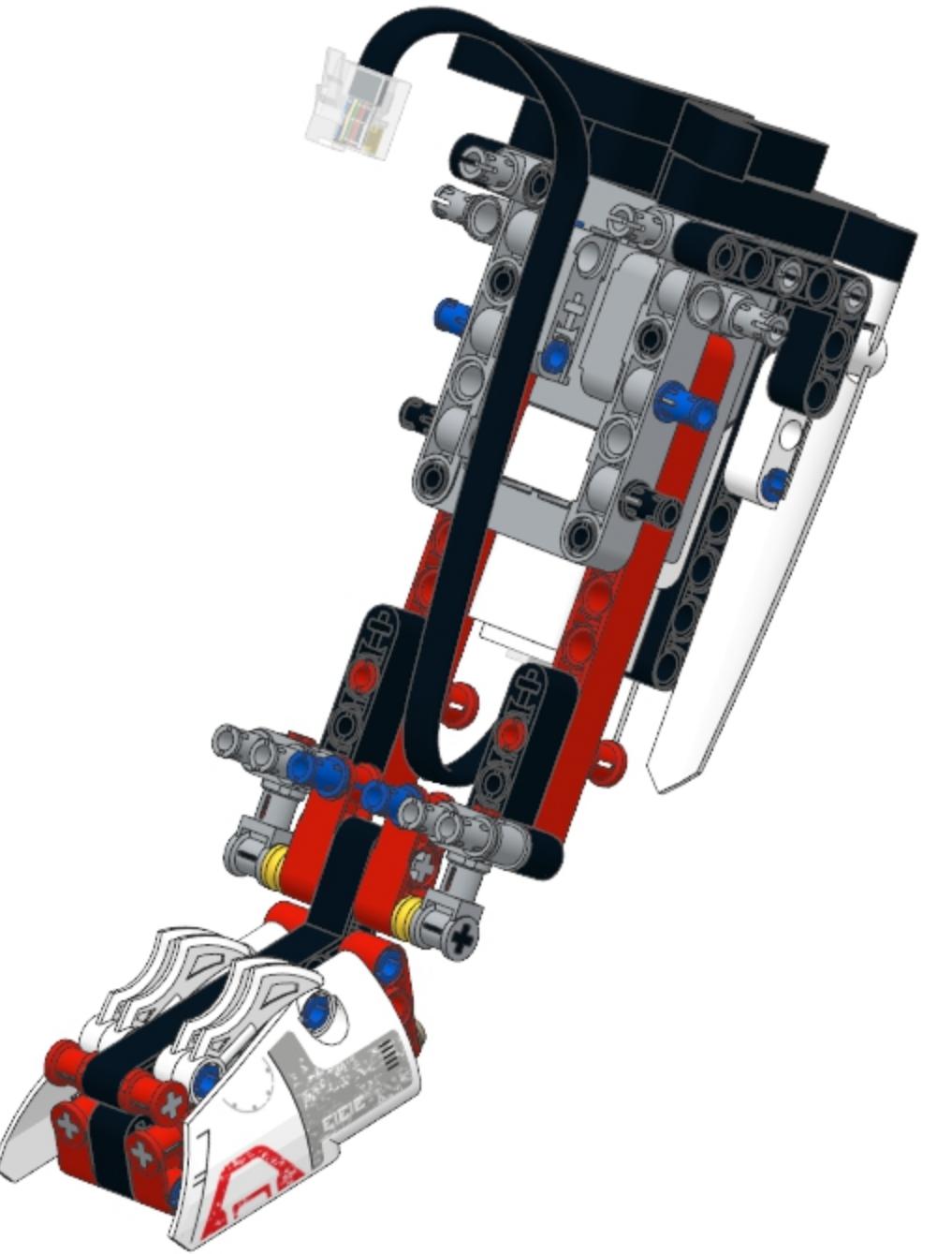
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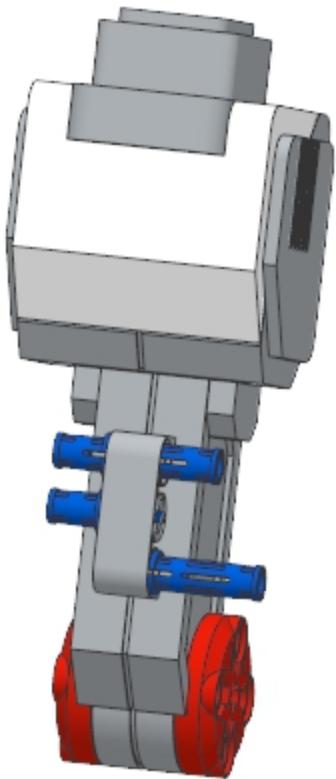
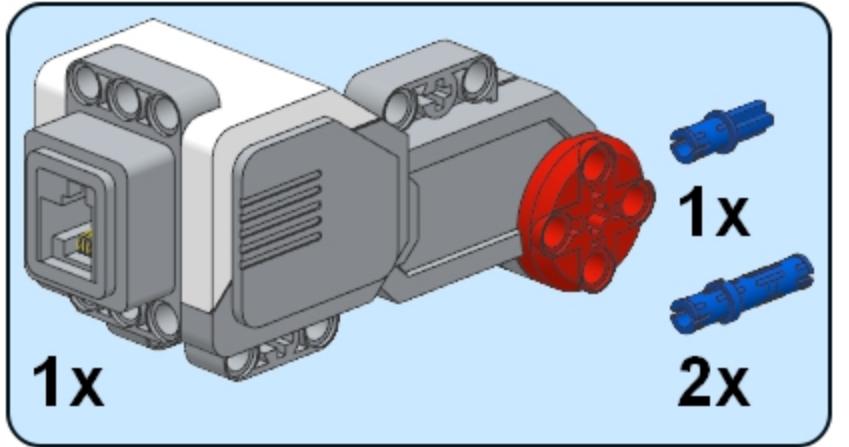
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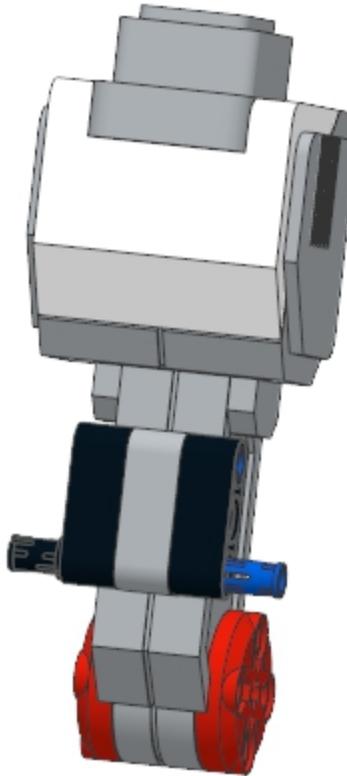
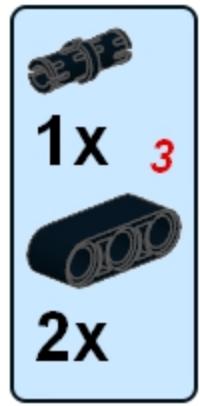
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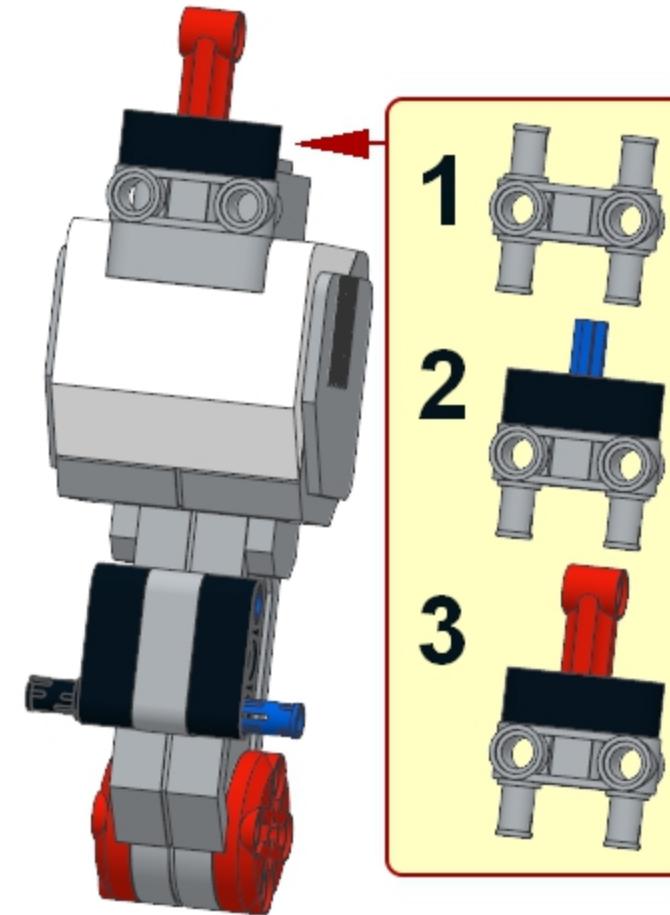
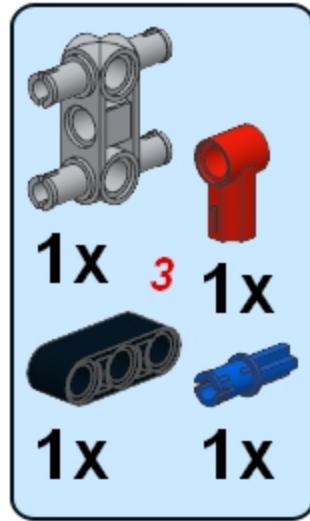
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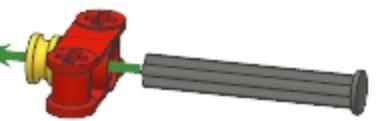
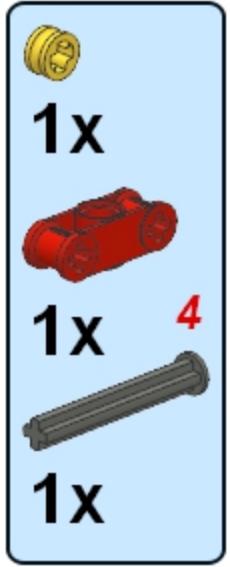
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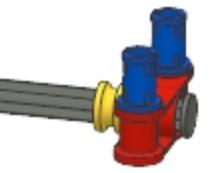


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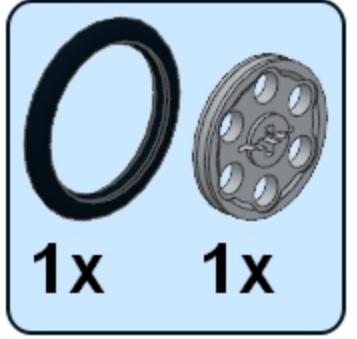




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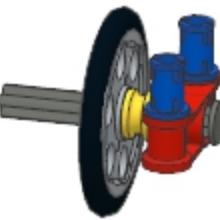


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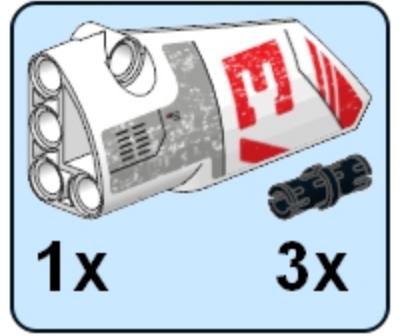


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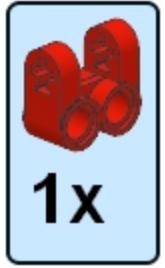
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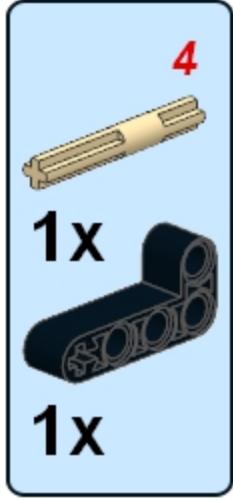
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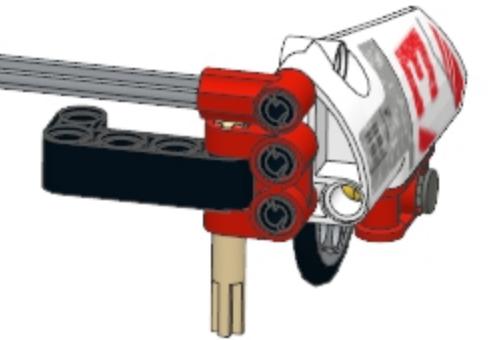
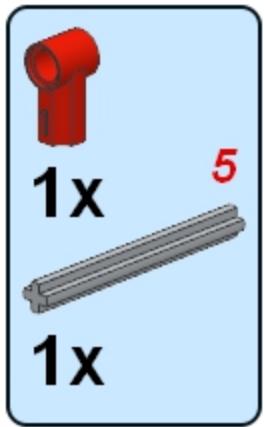
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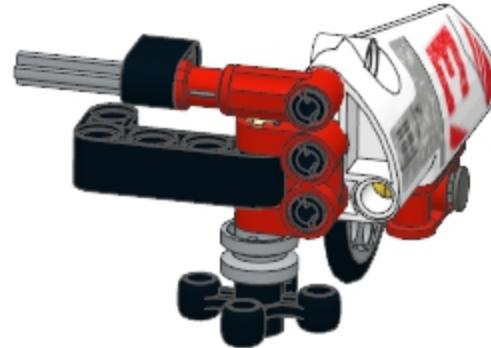
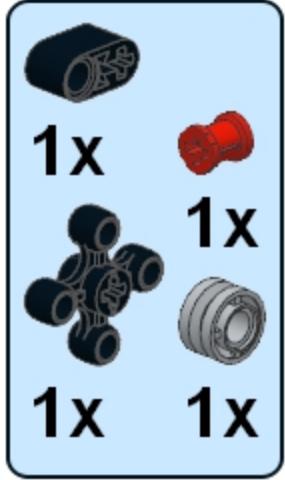
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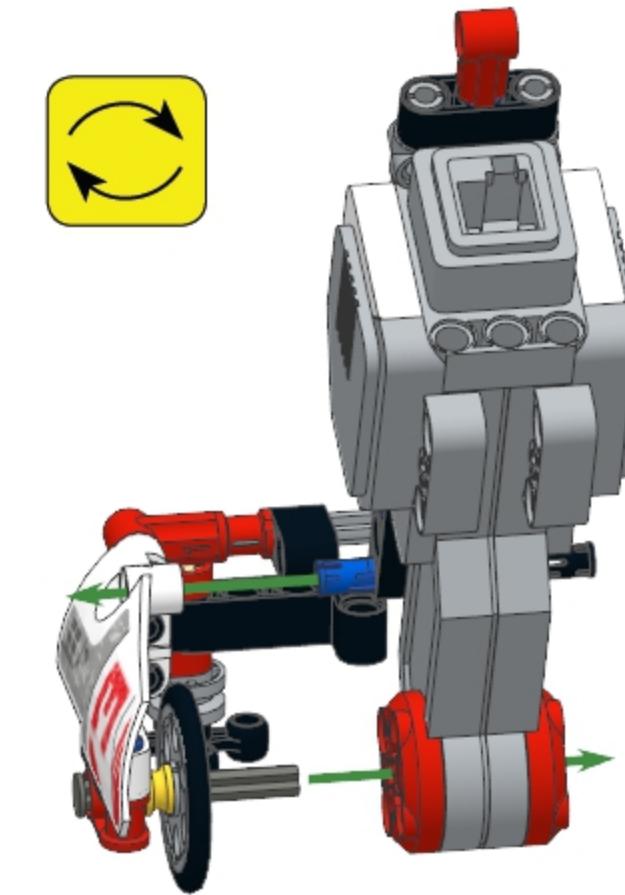
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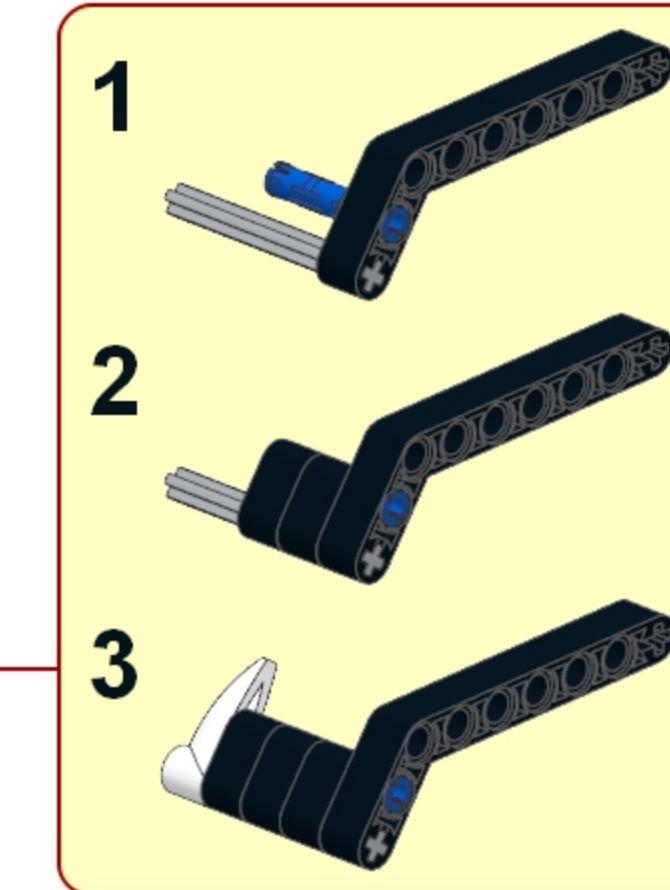
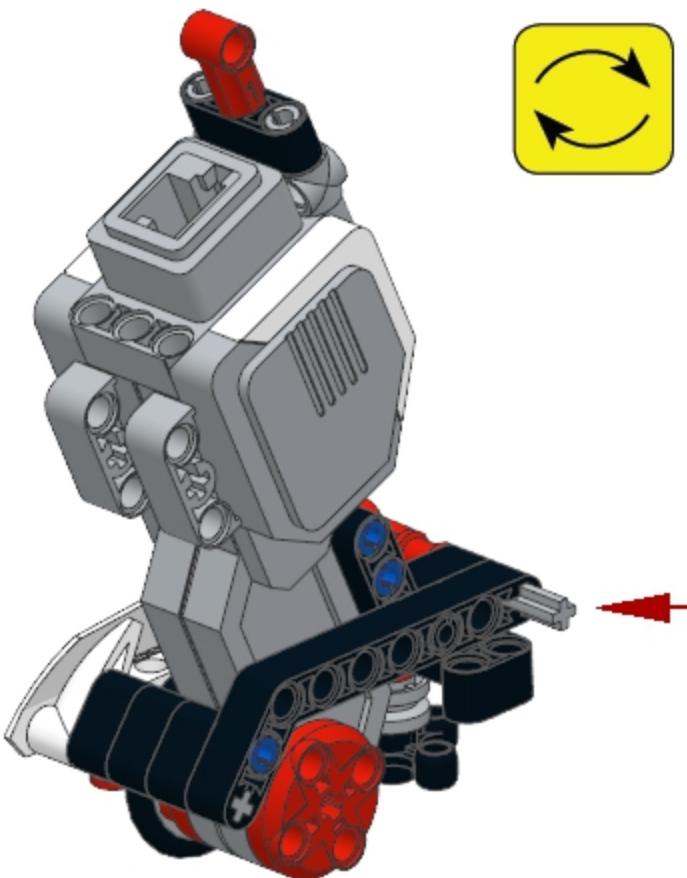
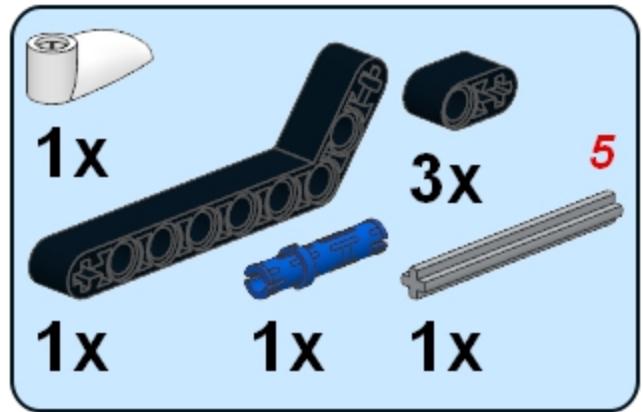
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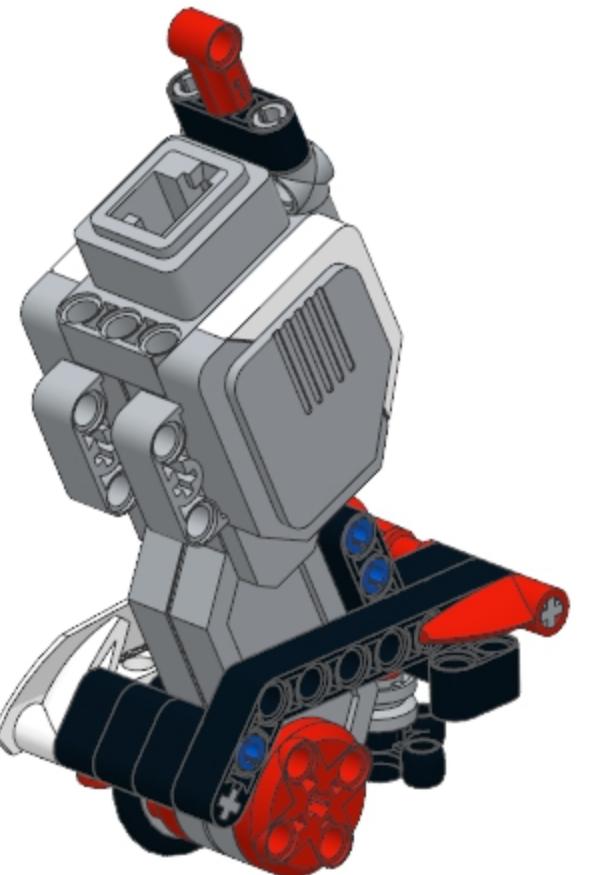
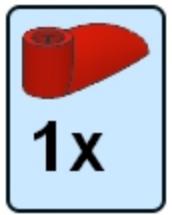
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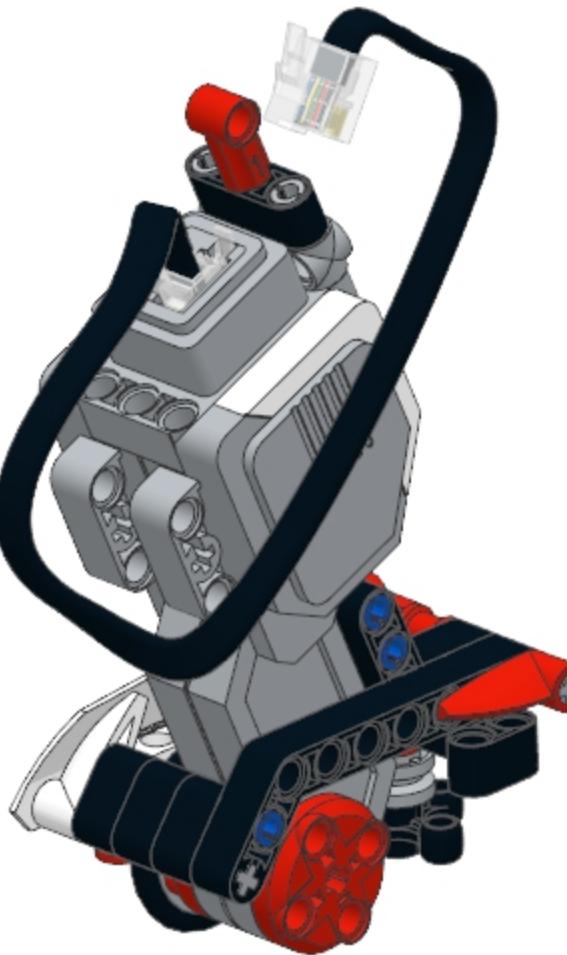
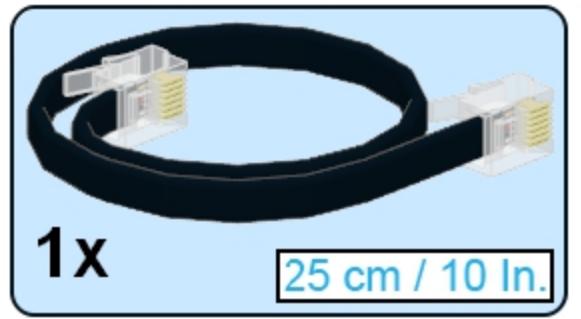
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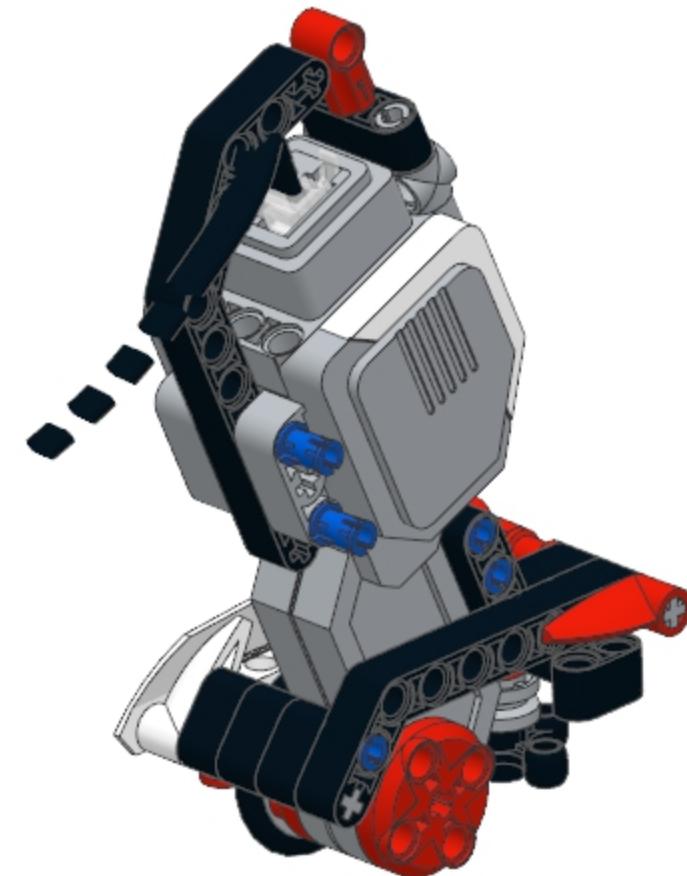
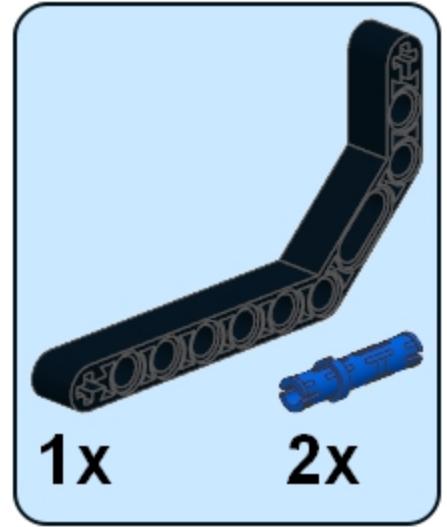
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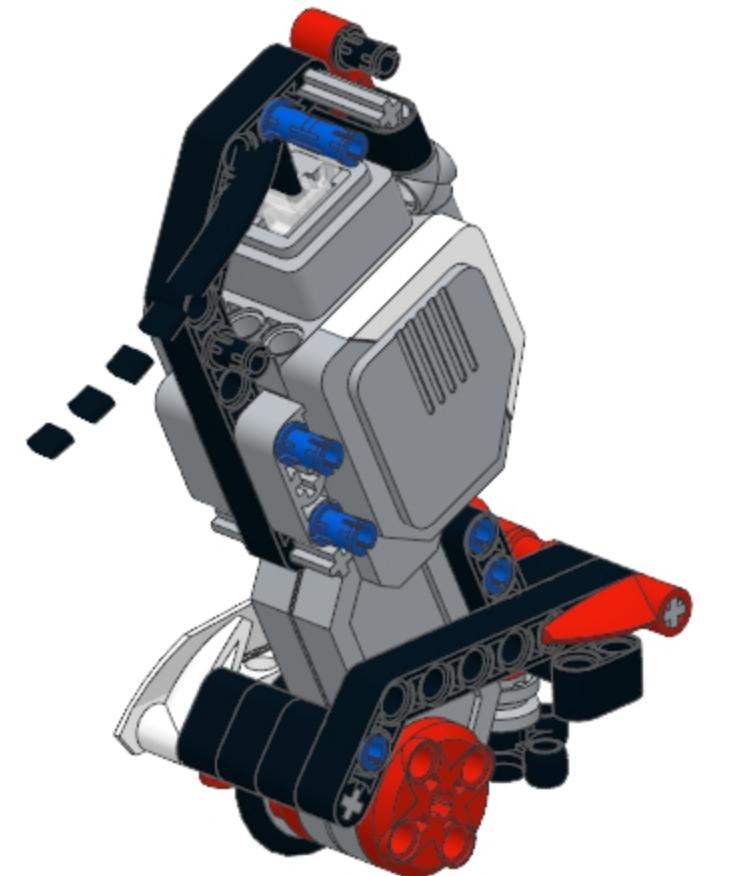
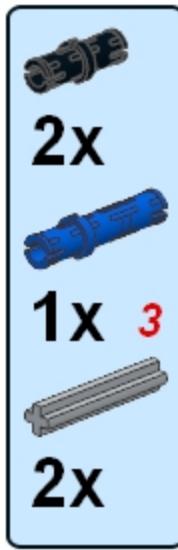
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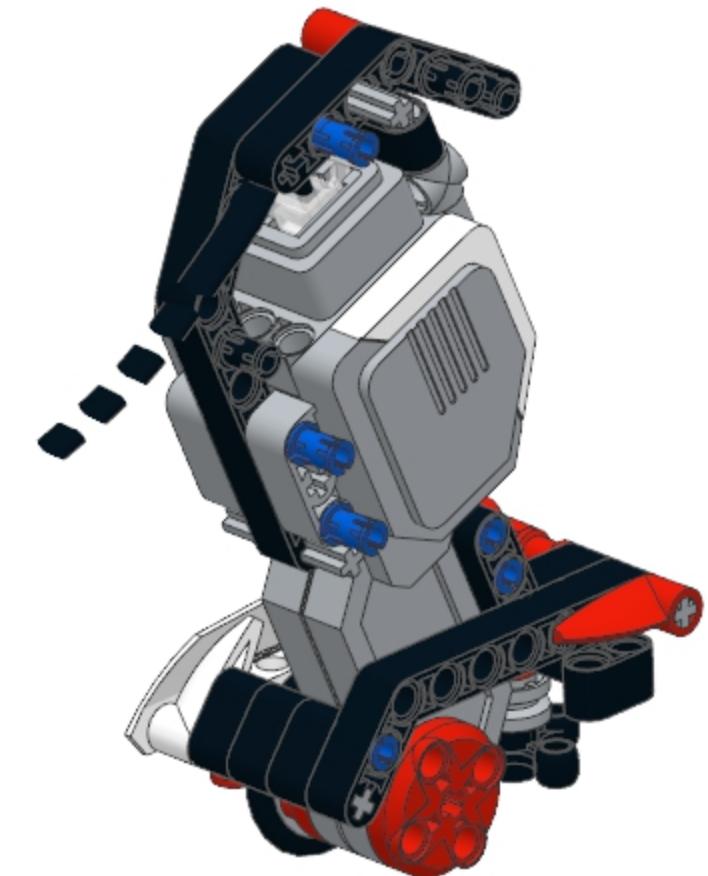
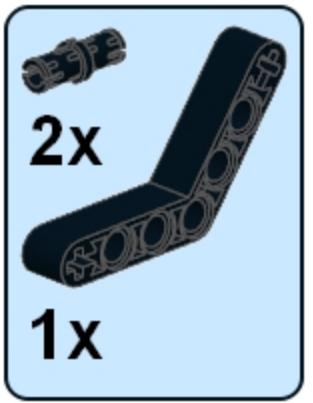
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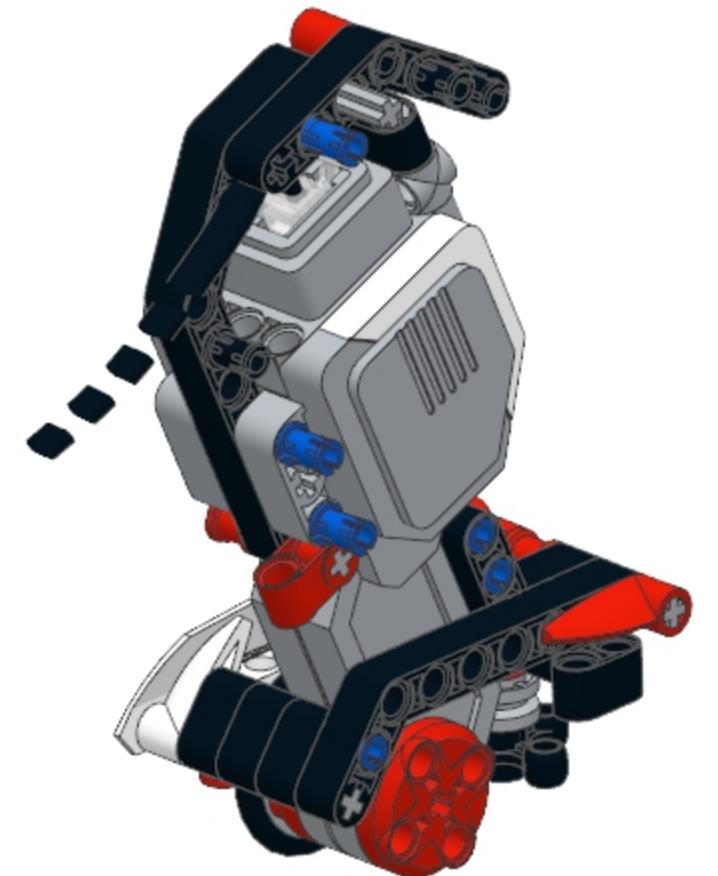
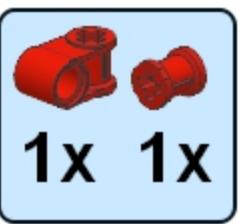
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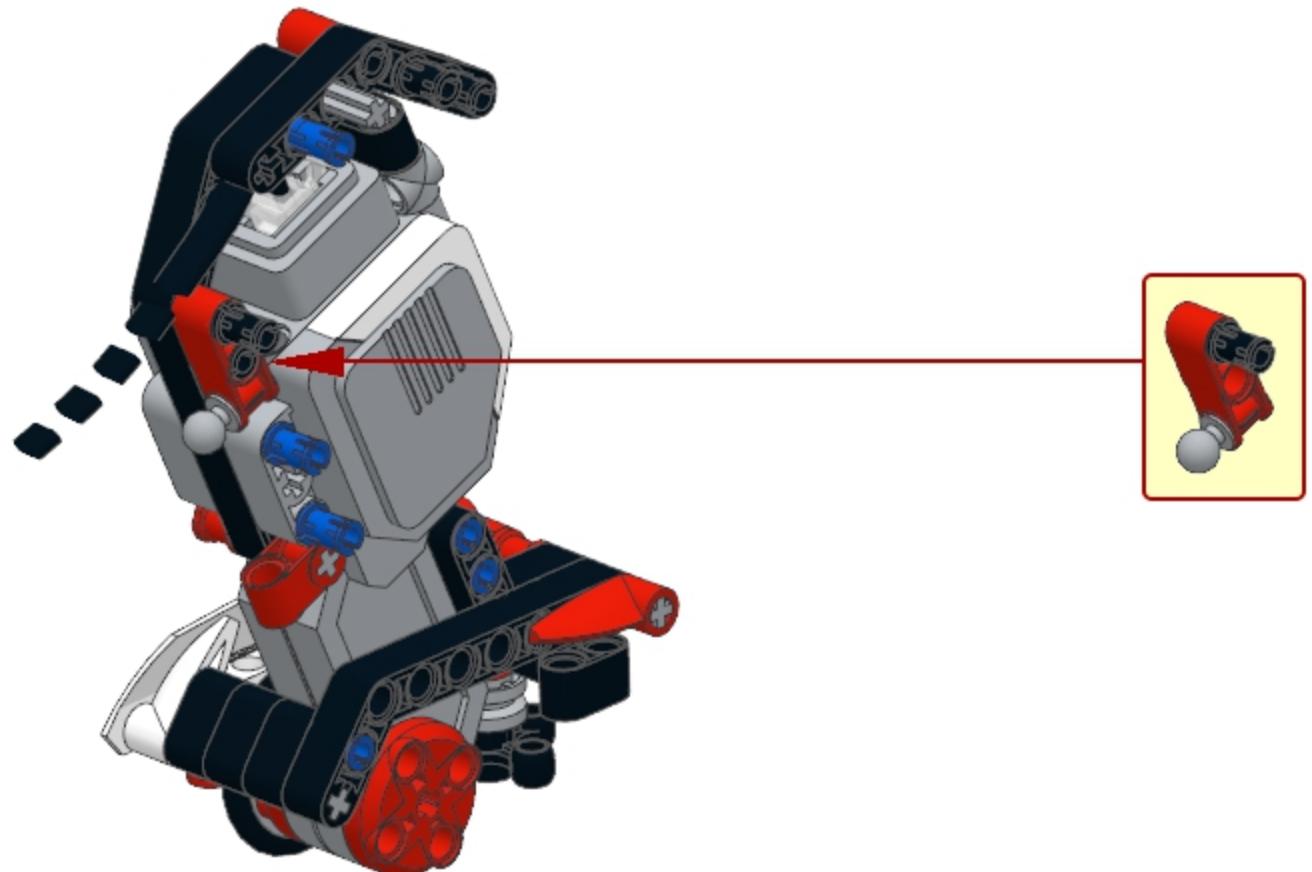
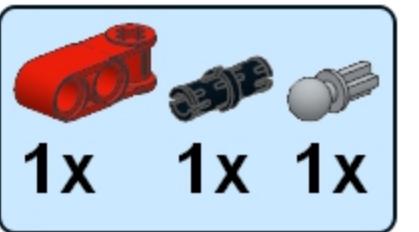
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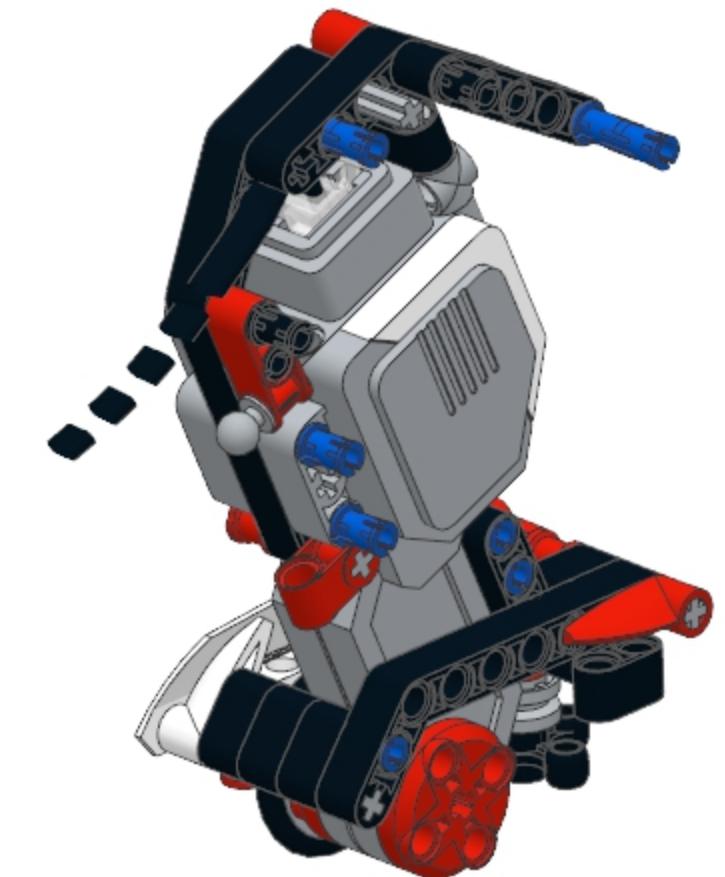
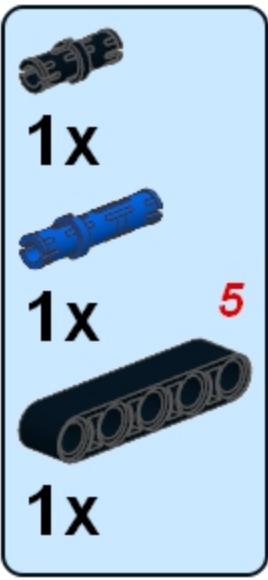
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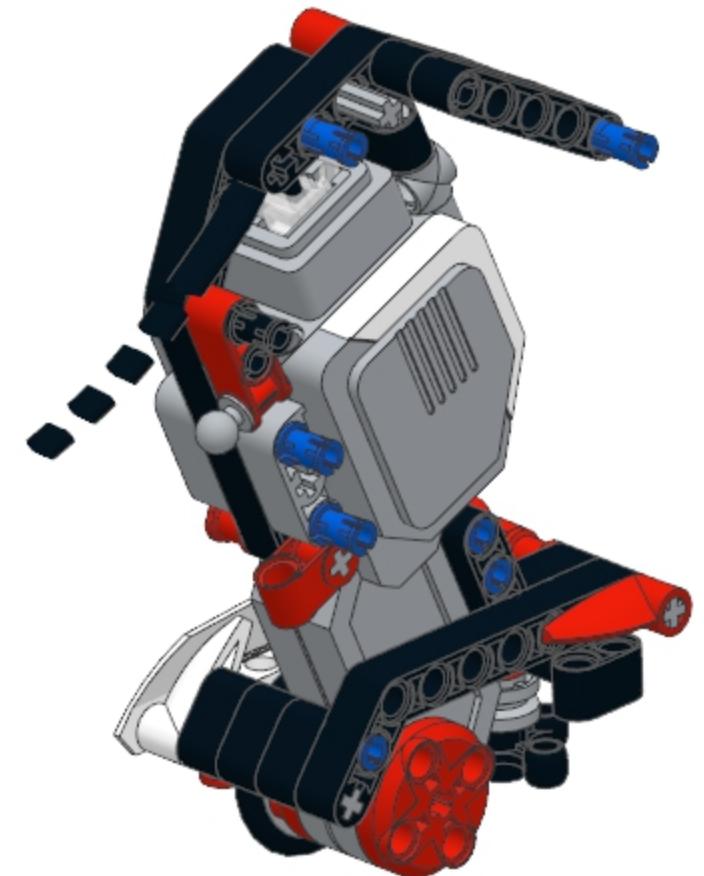
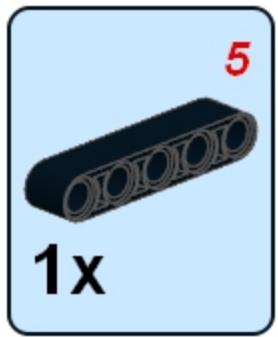
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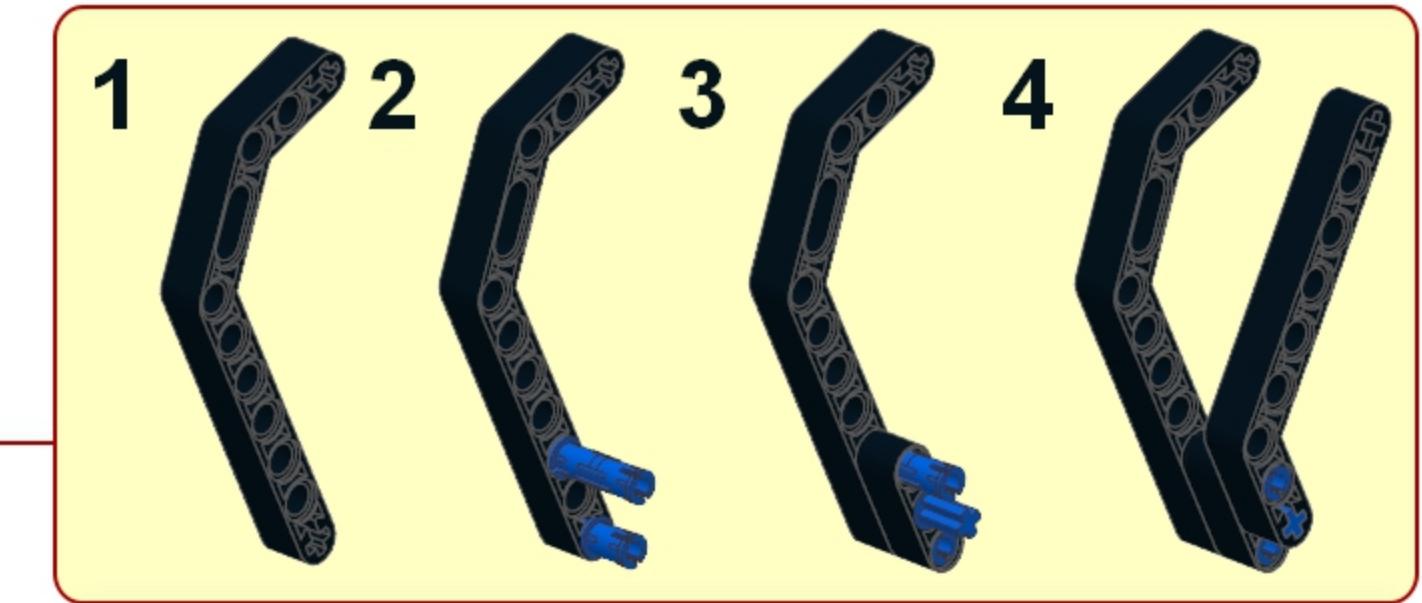
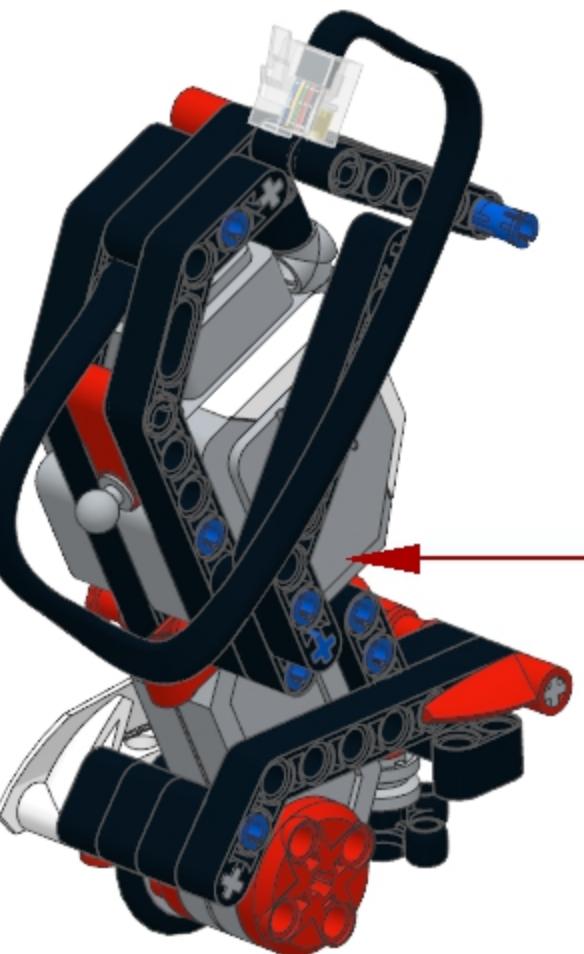
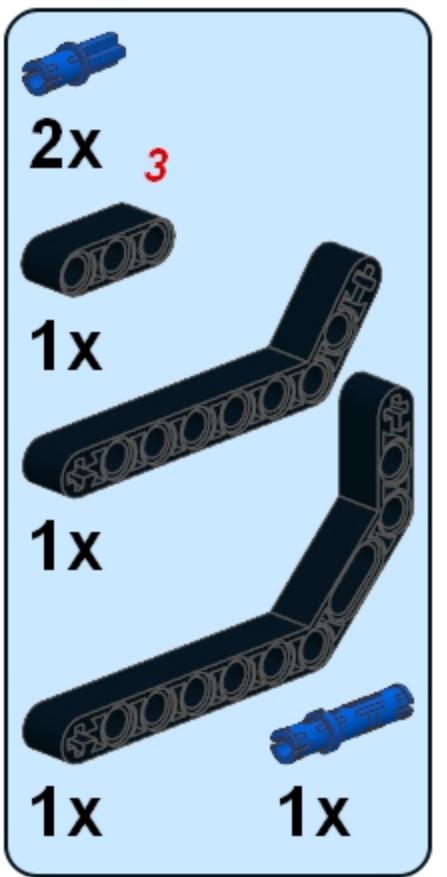
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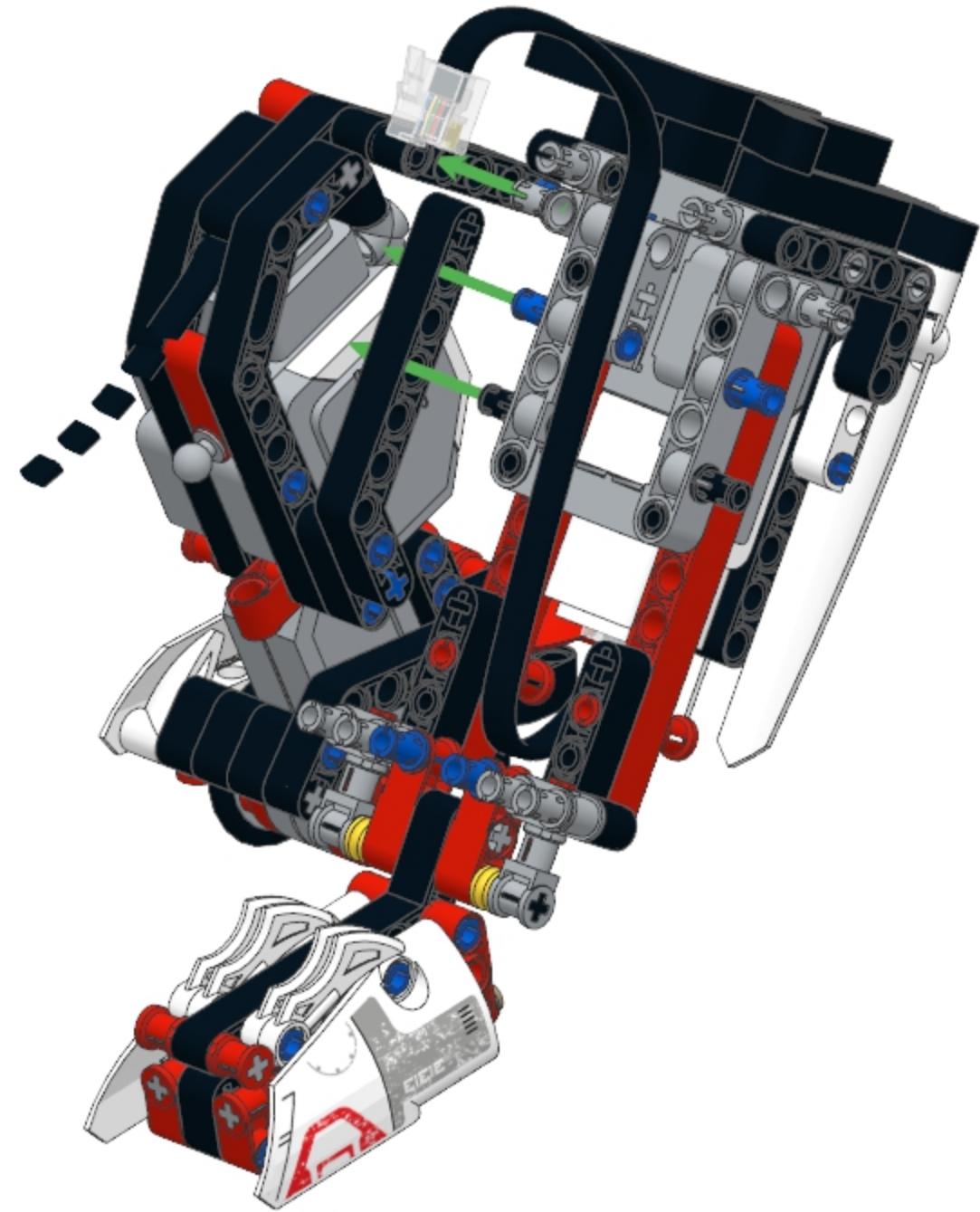
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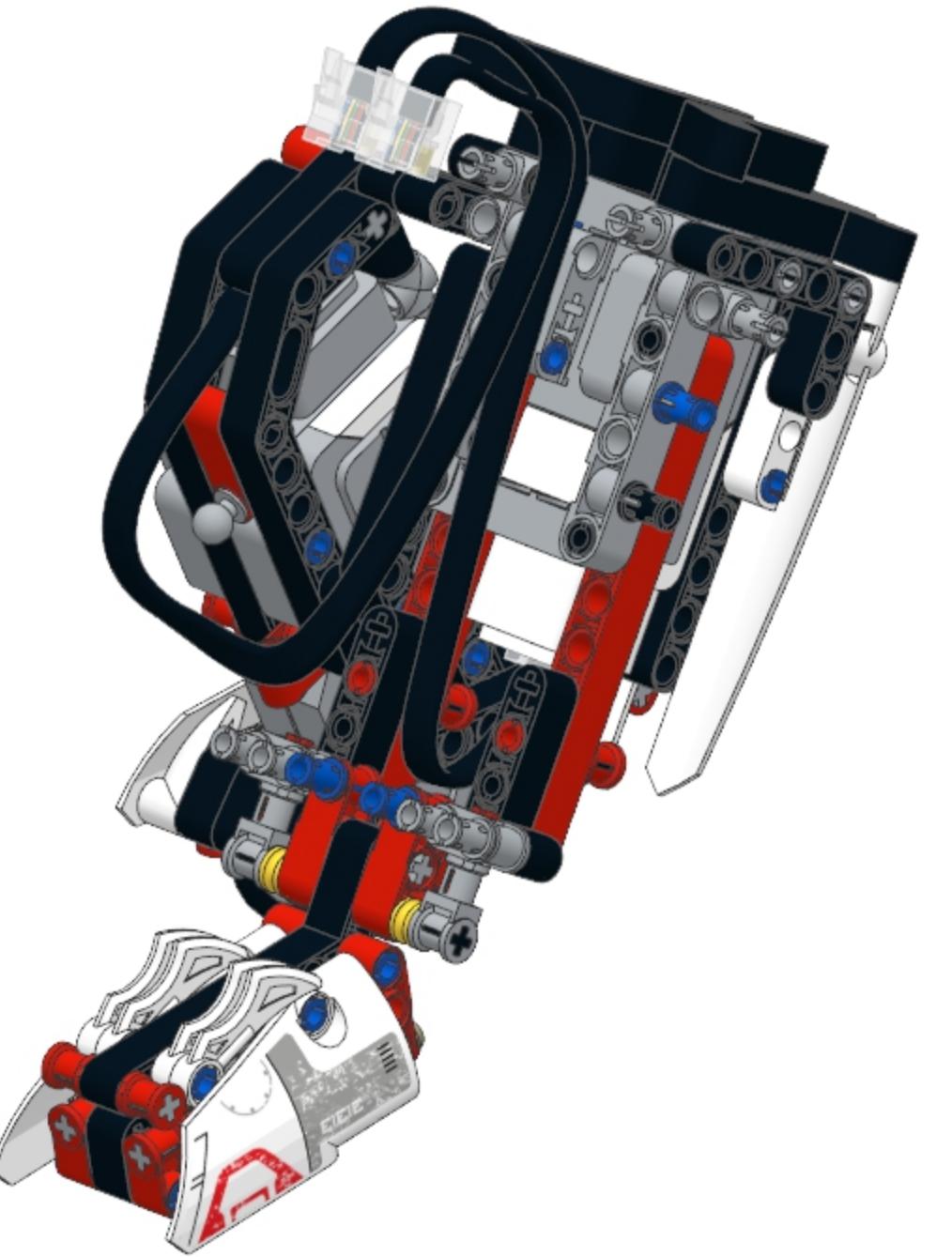
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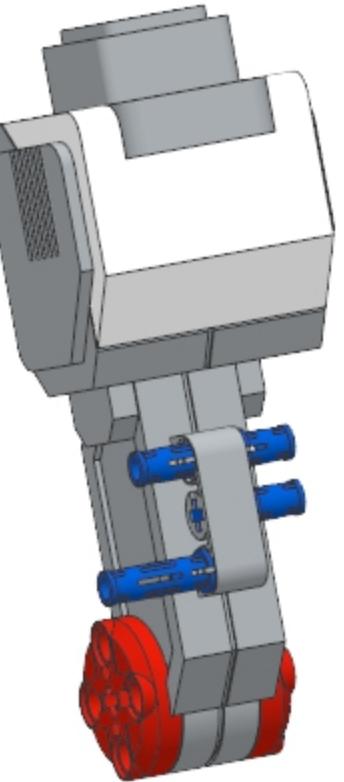
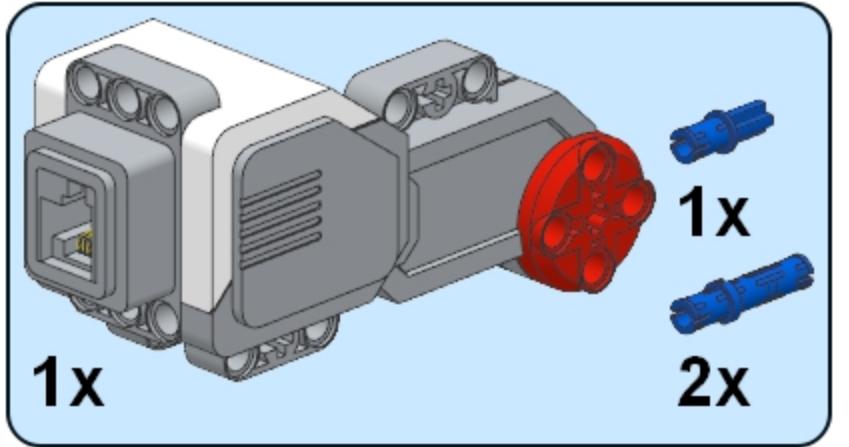
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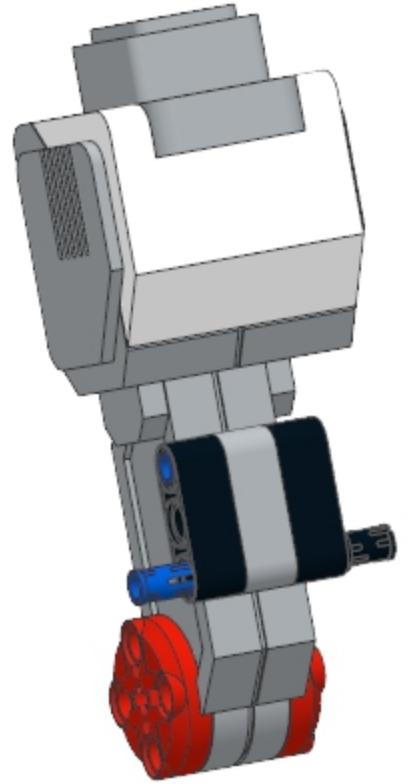
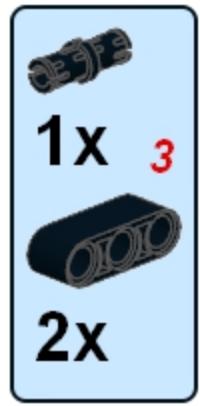
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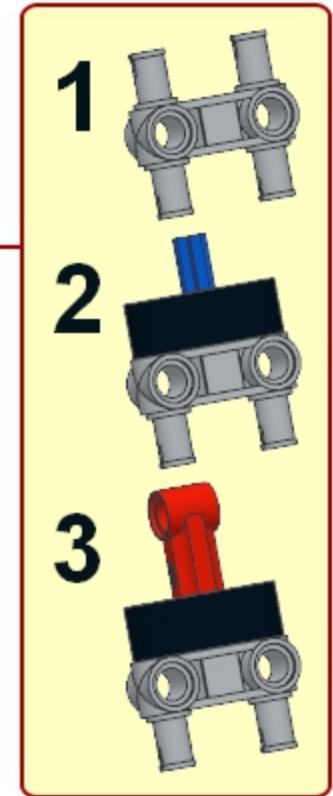
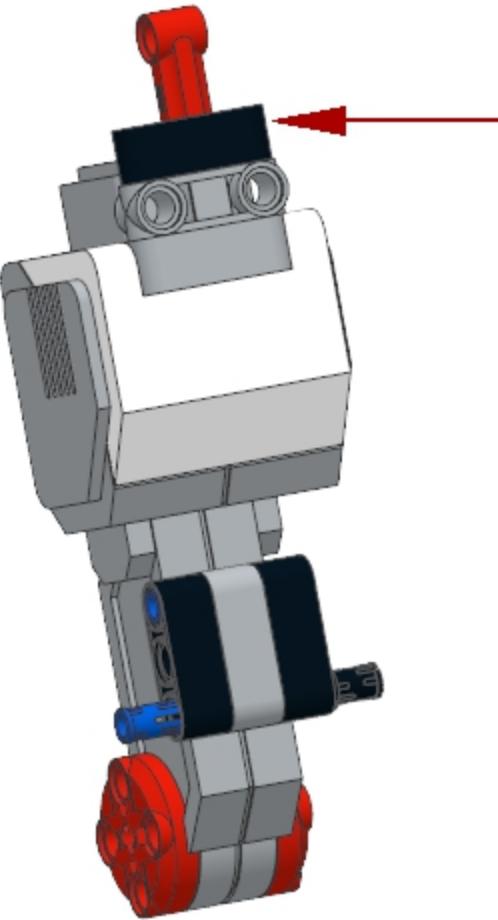
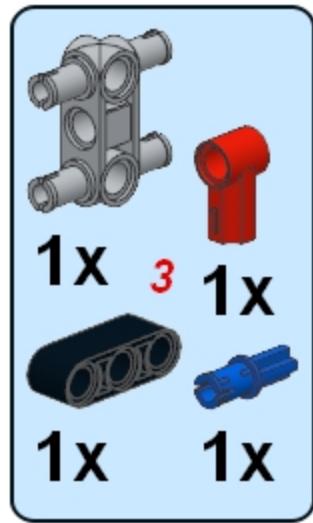
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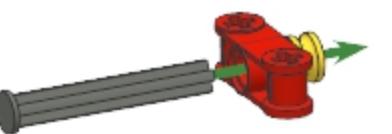
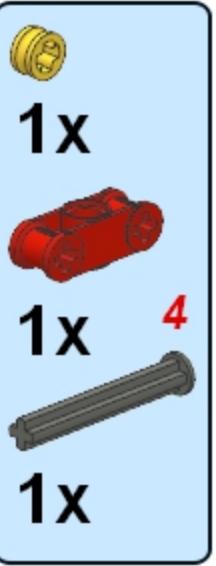
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**3**



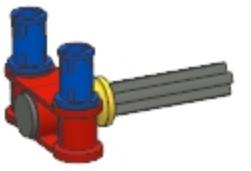
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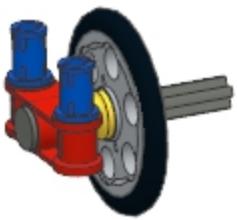
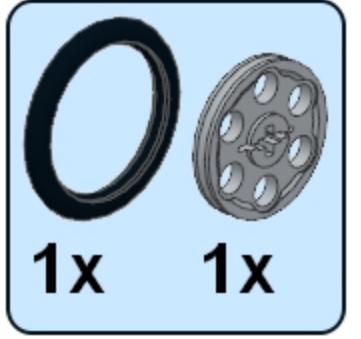
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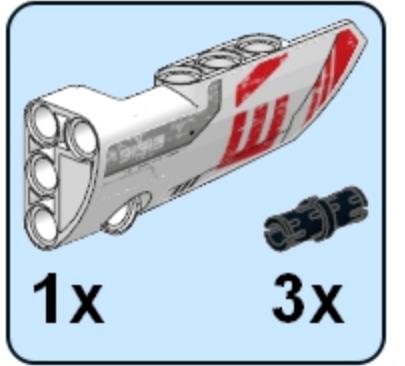
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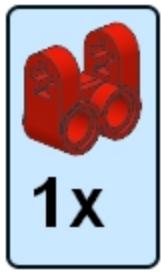
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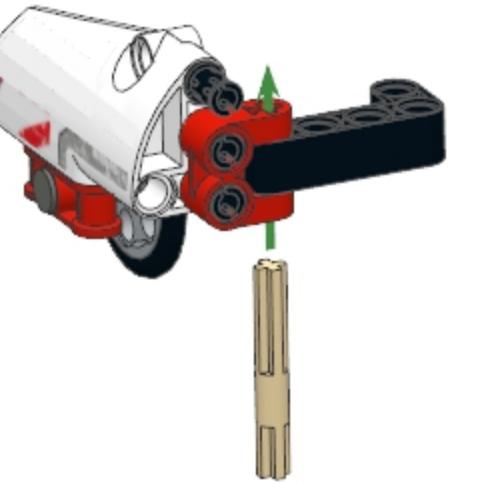
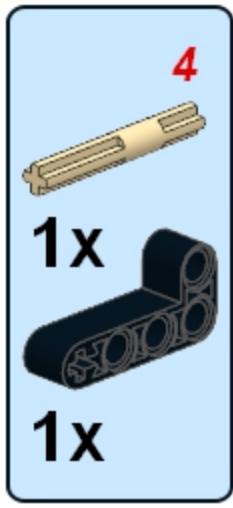
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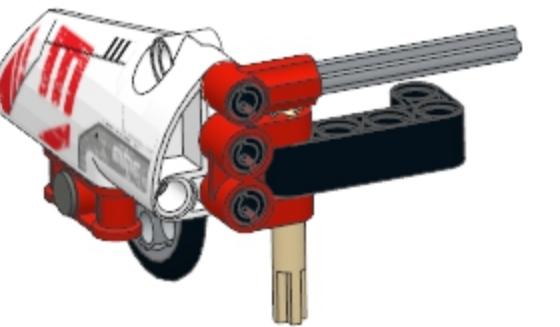
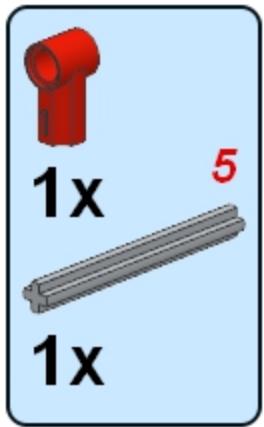
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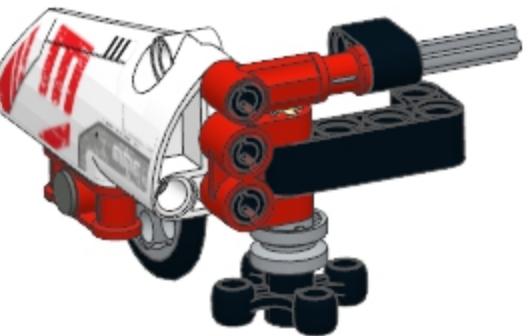
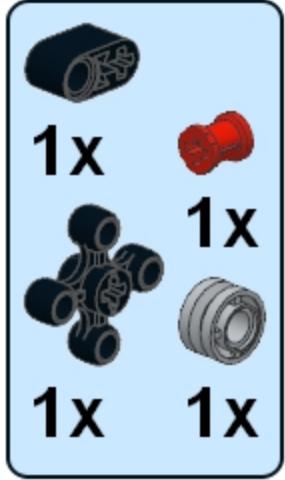
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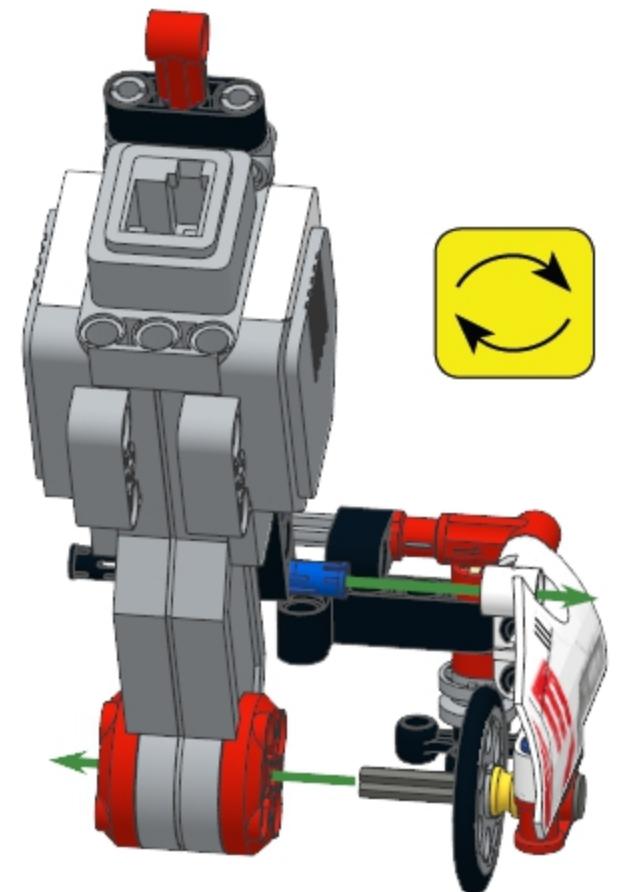
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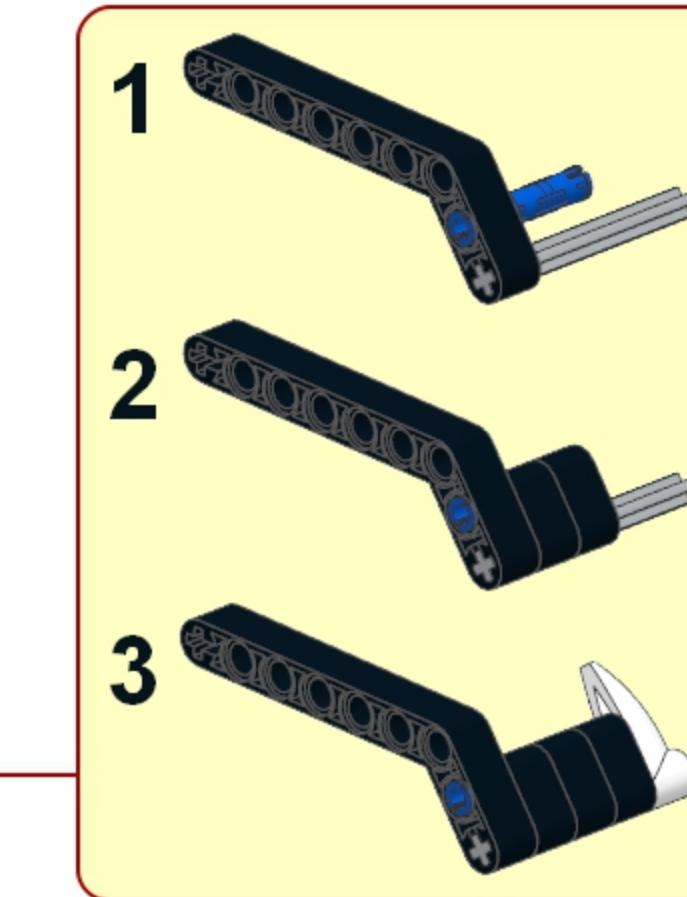
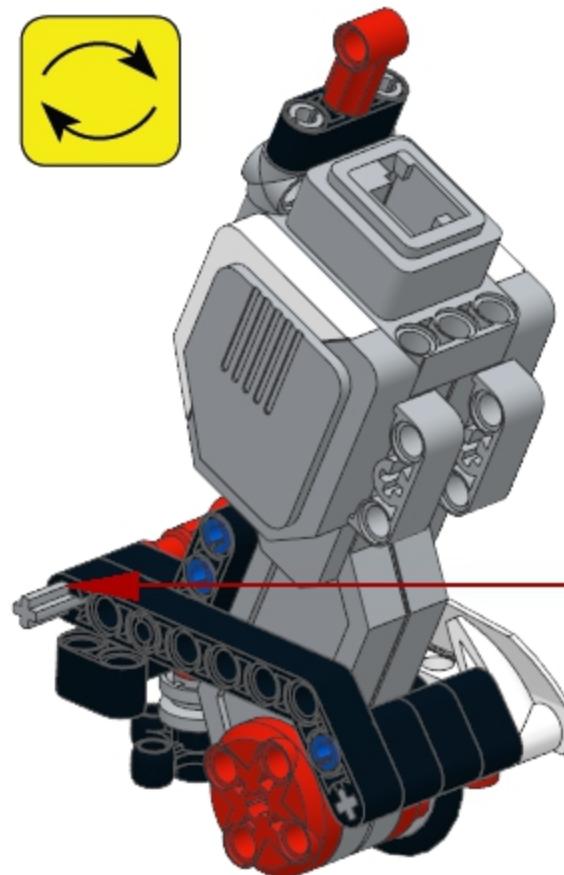
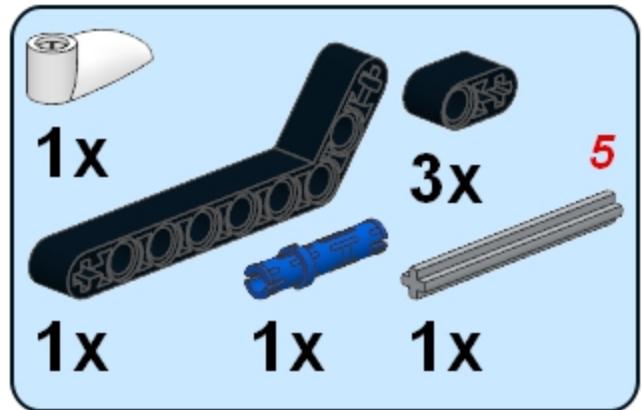
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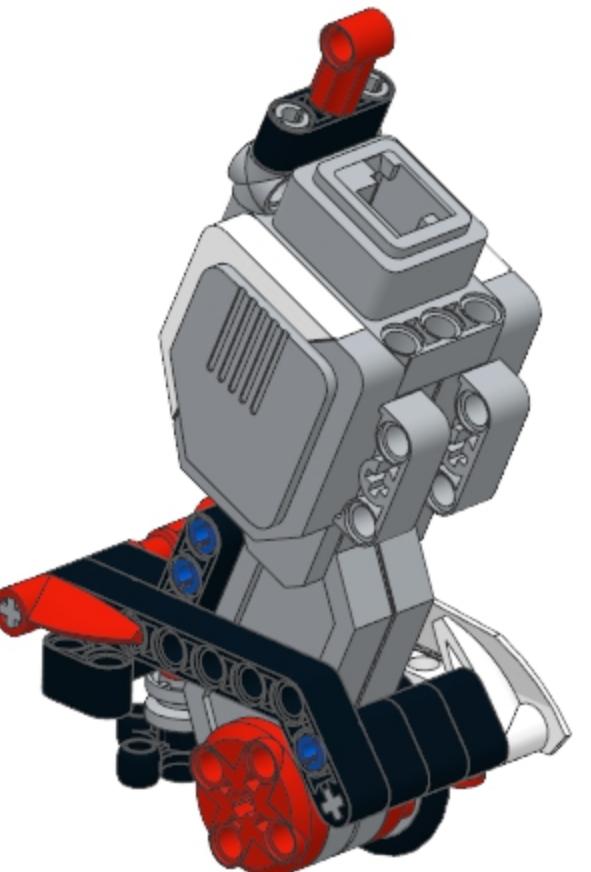
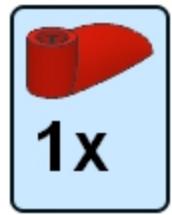
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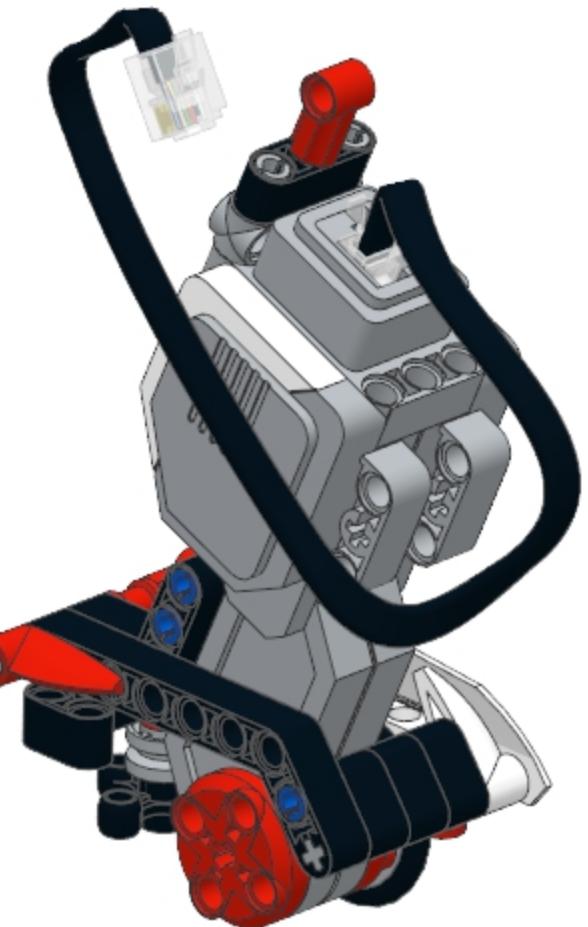
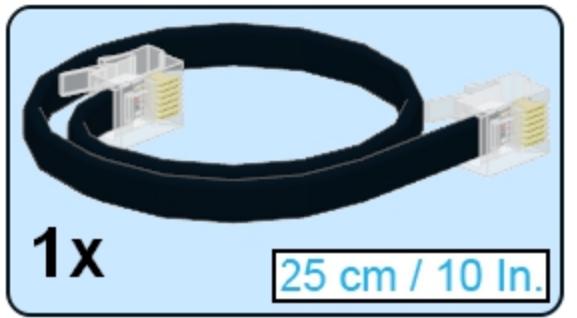
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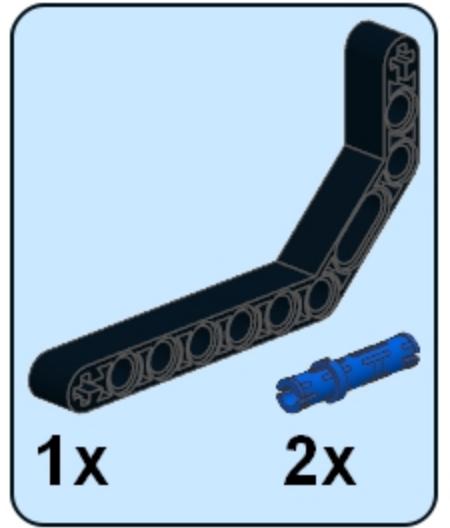
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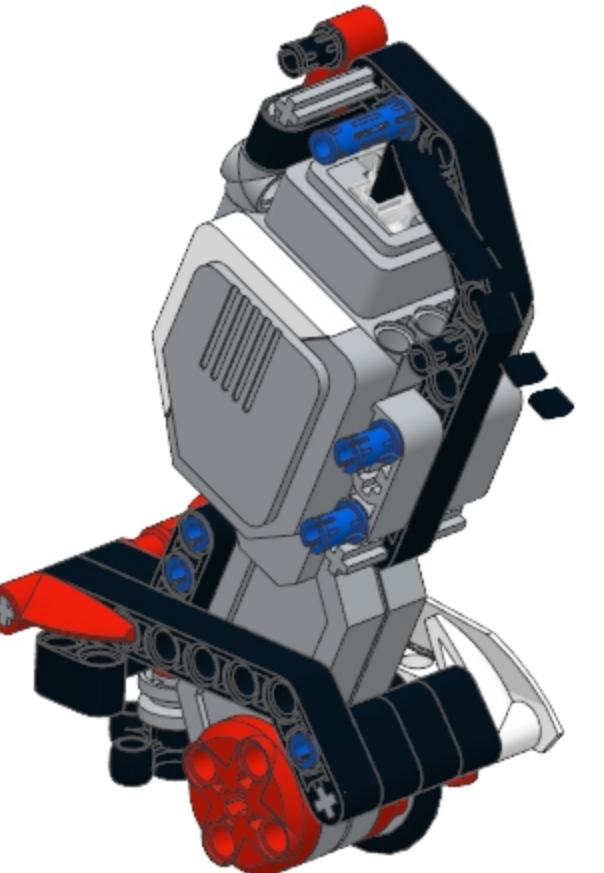
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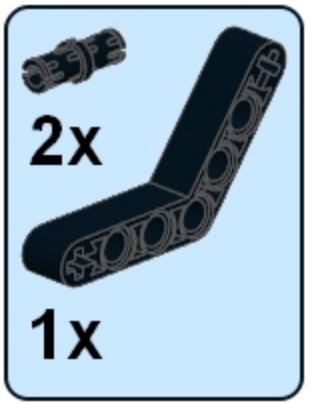
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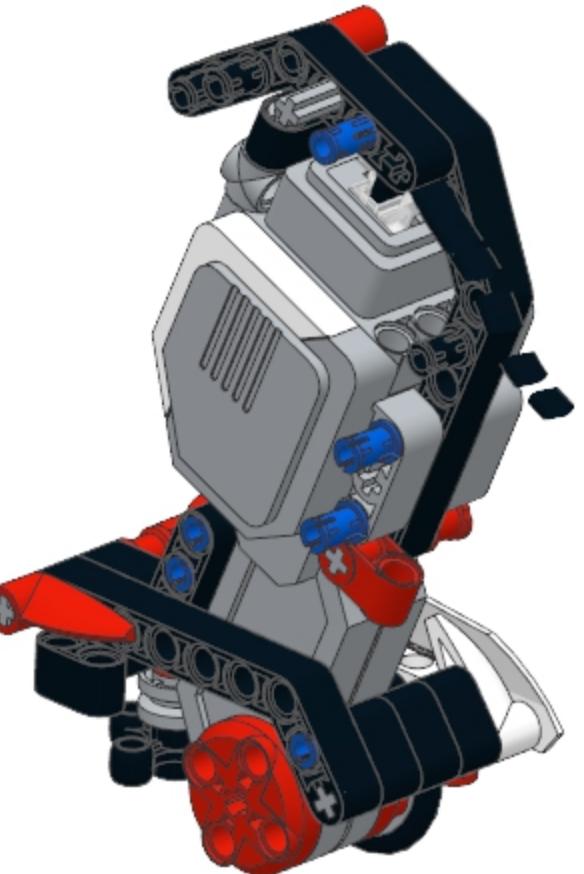
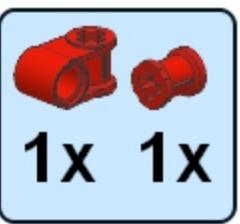
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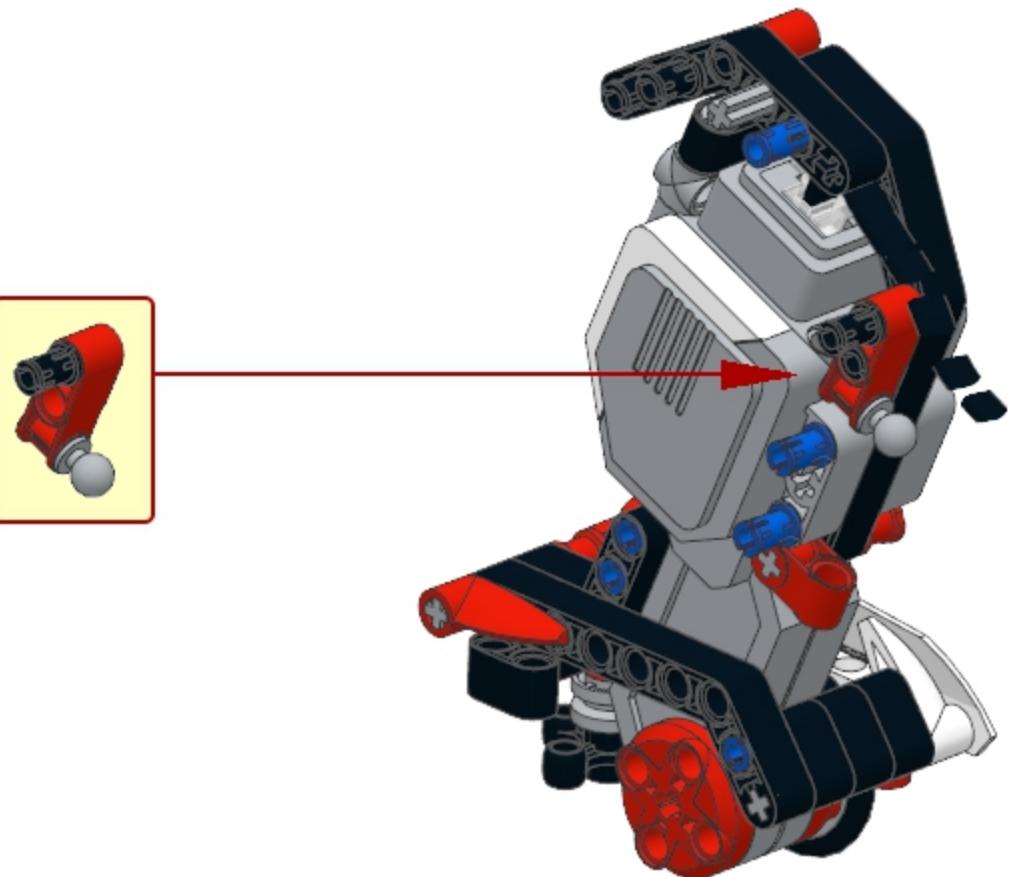
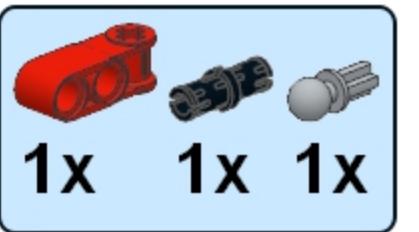
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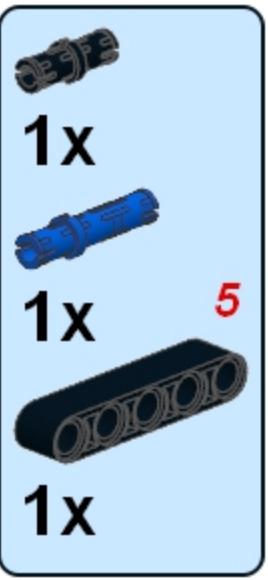
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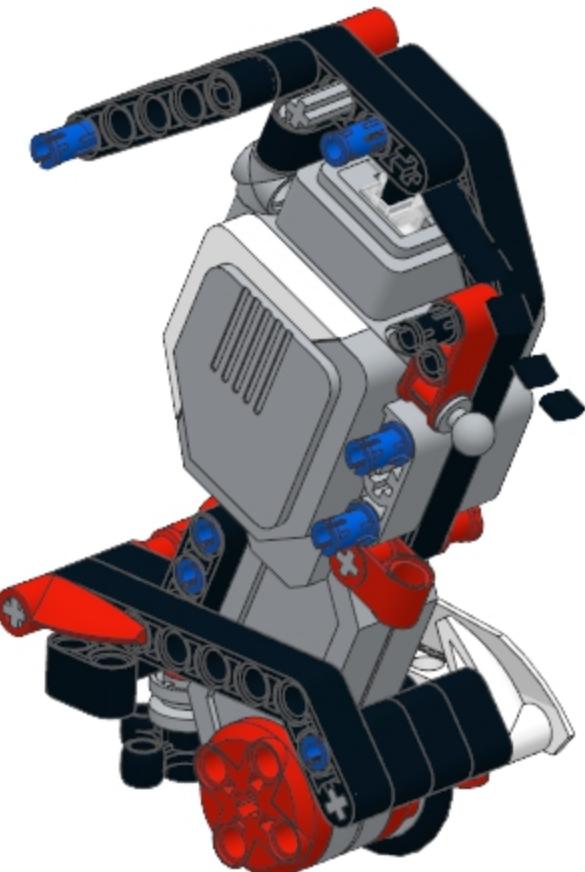
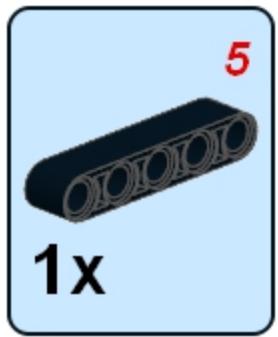
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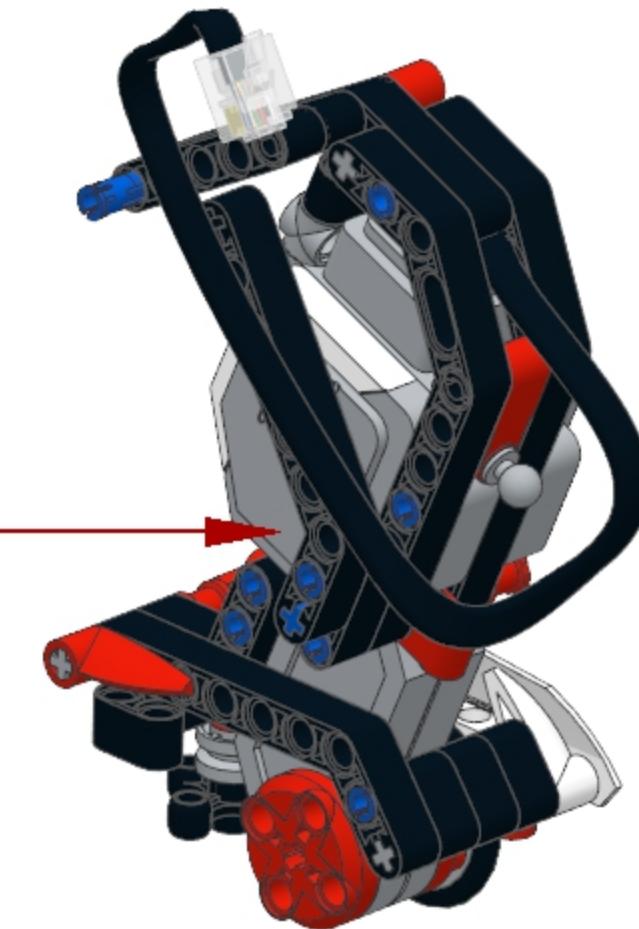
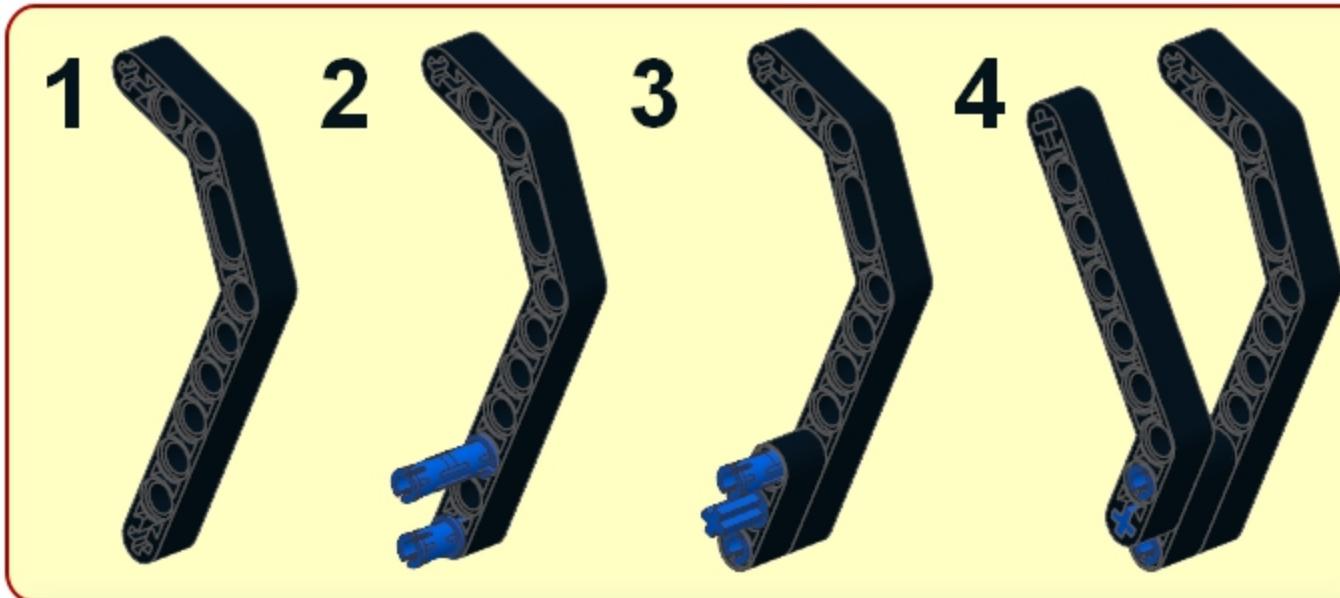
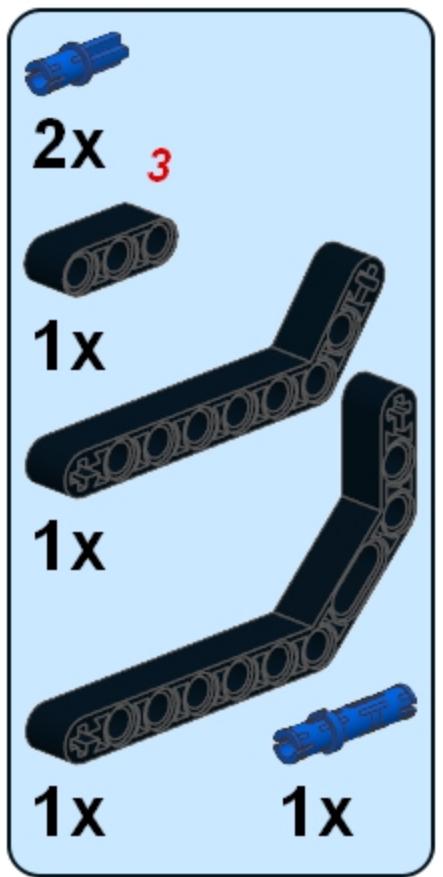
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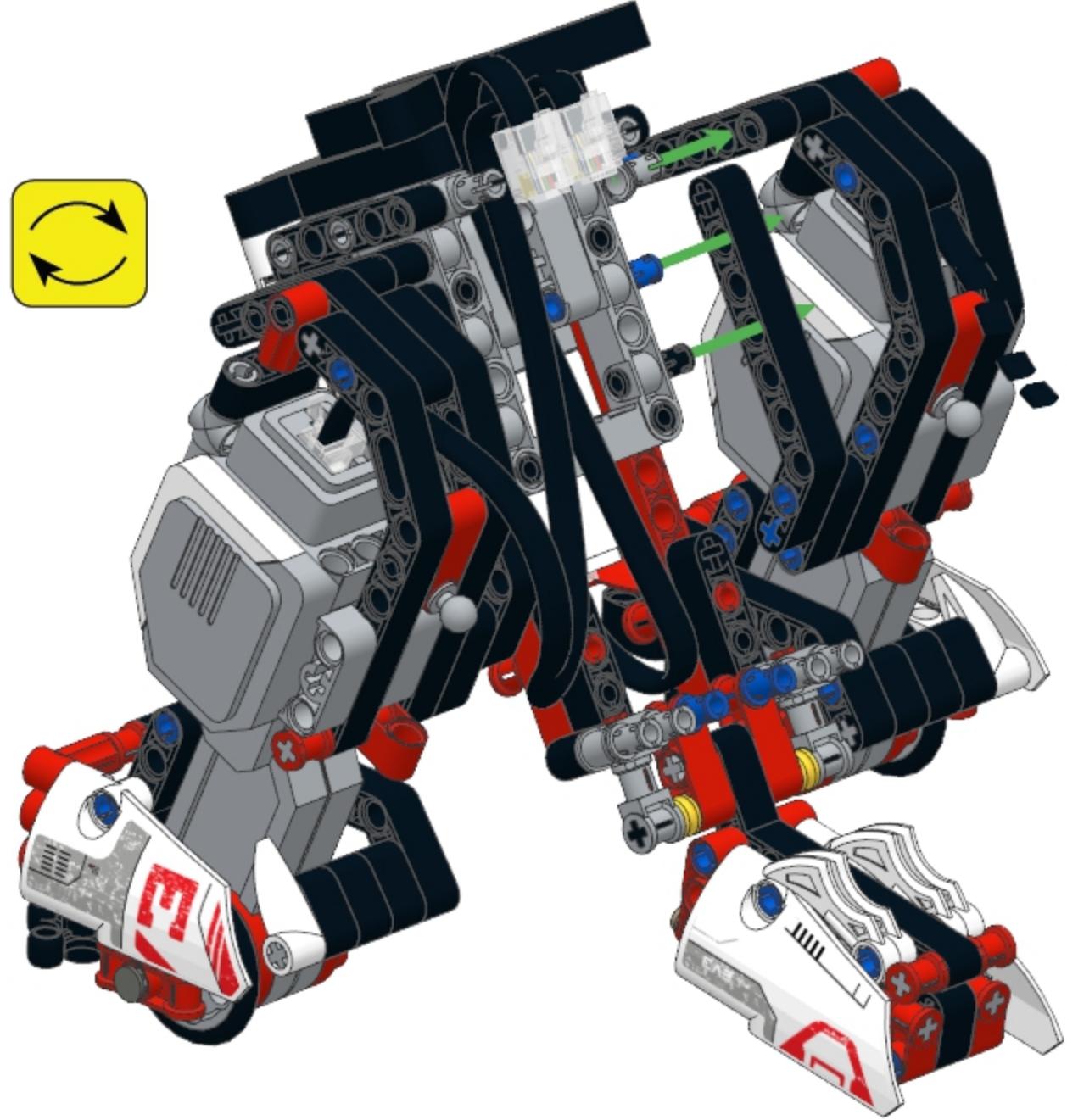
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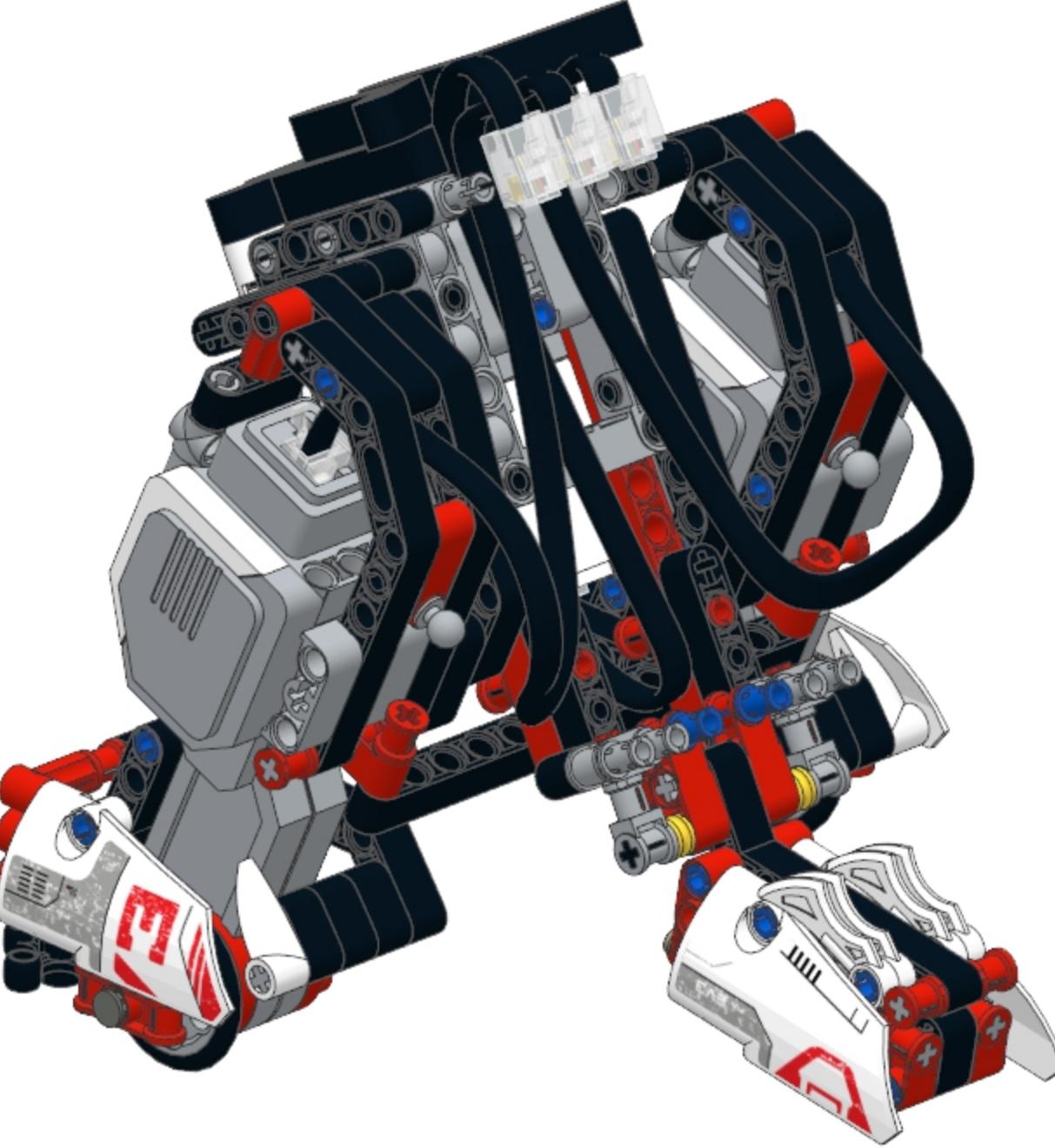
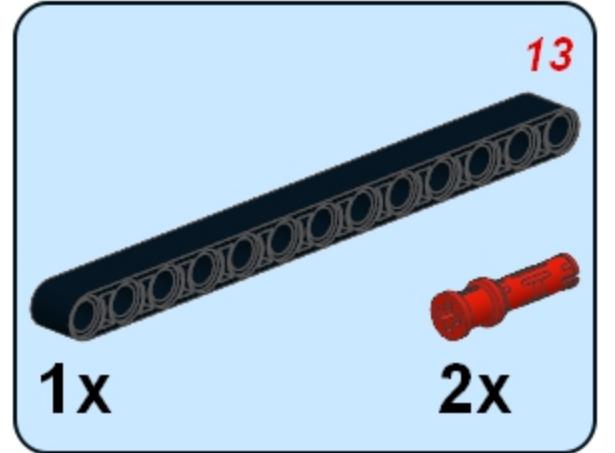
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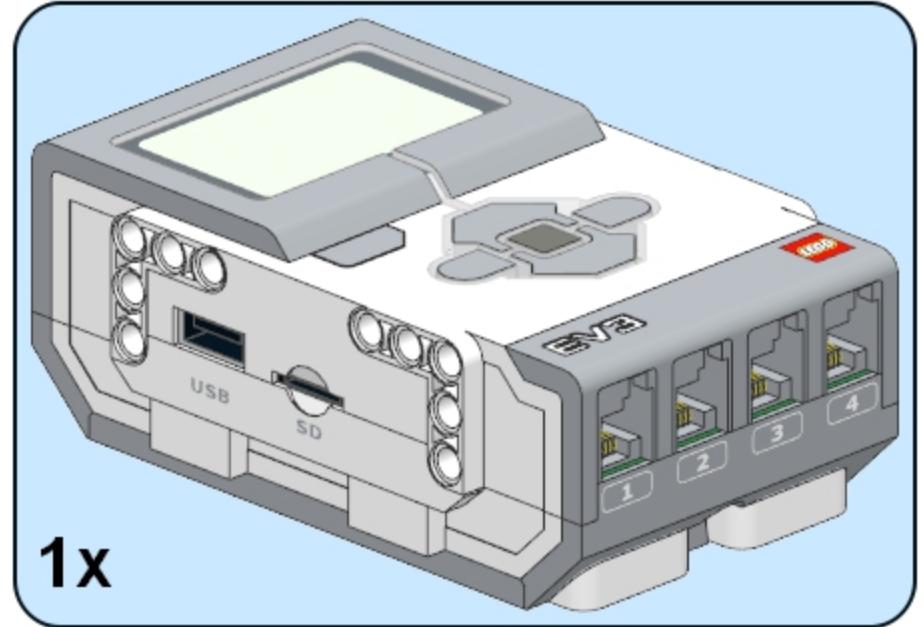
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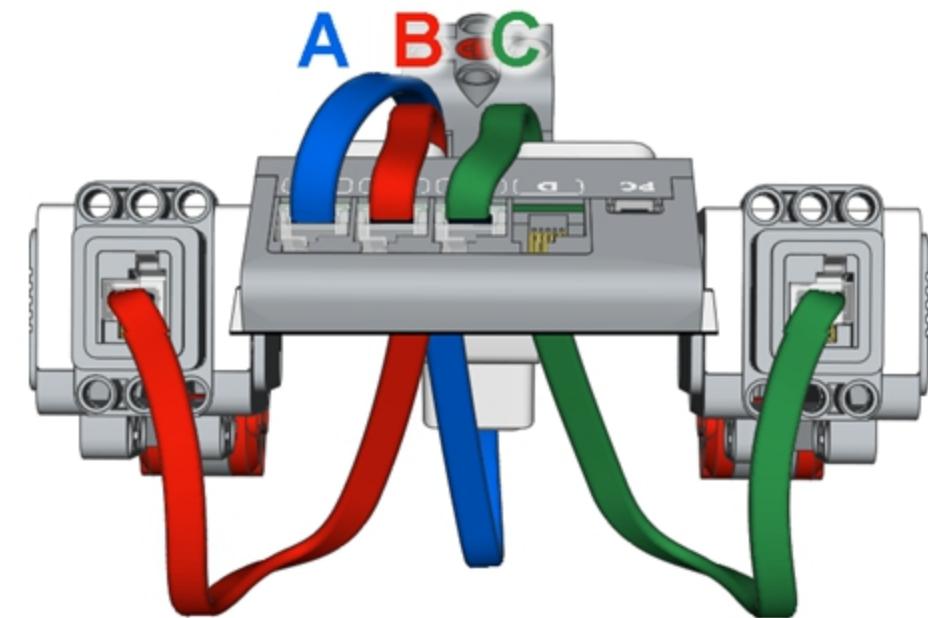
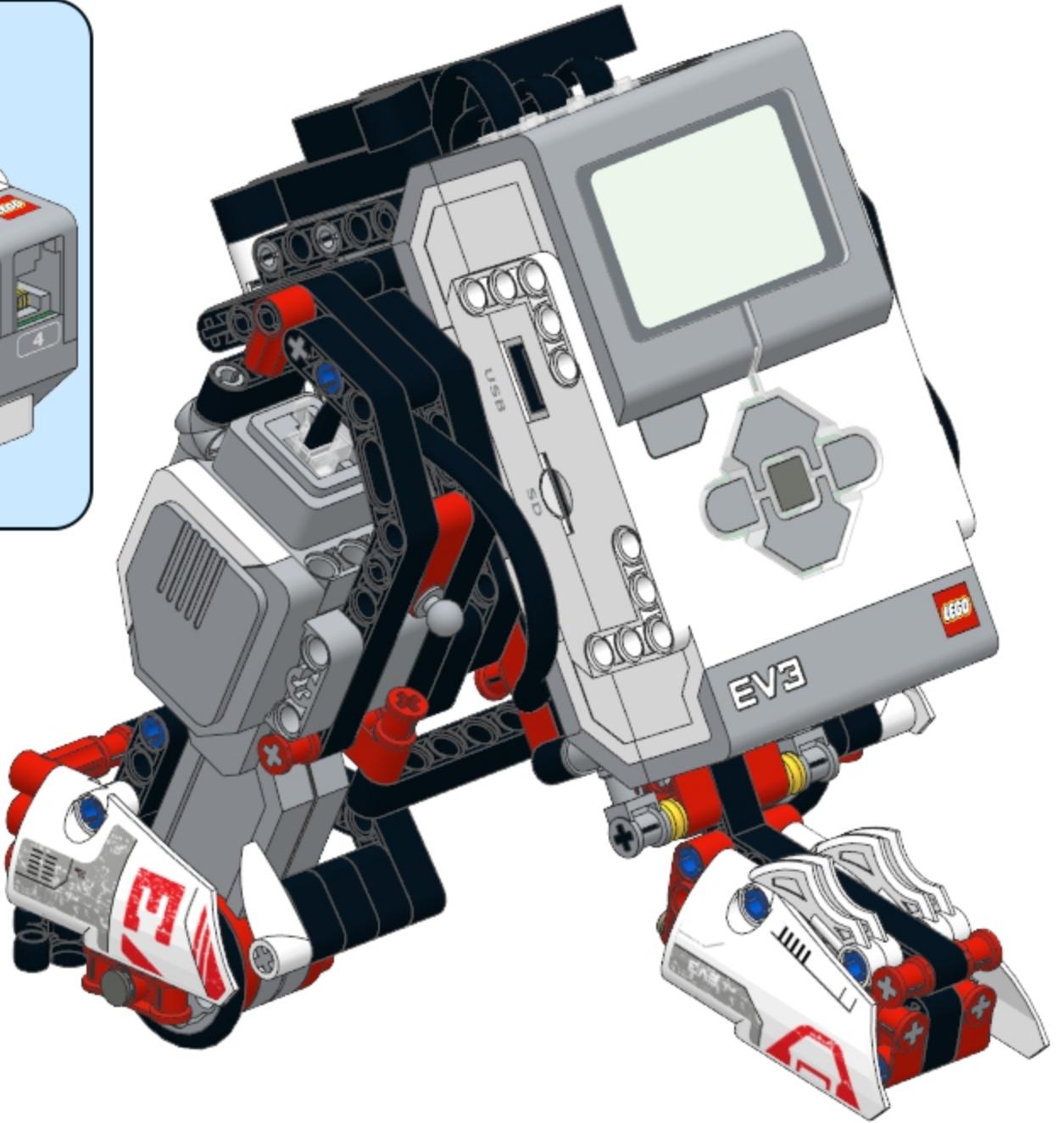
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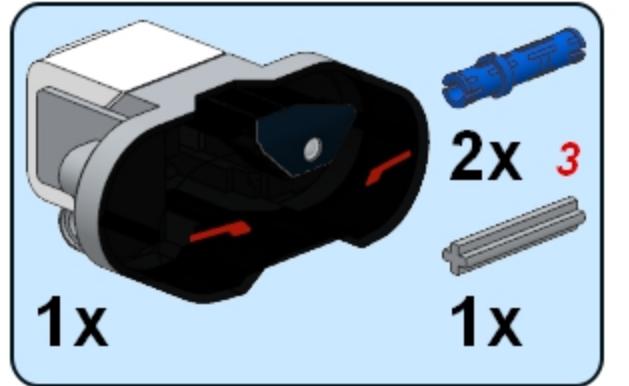
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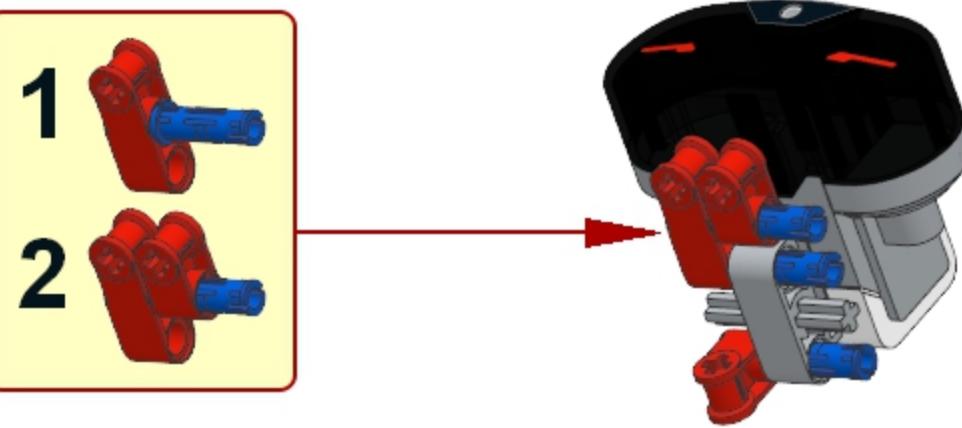
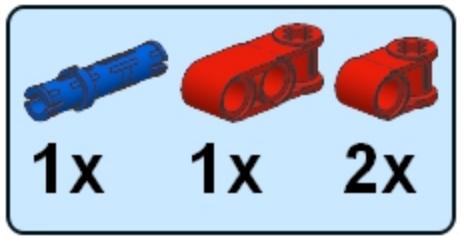
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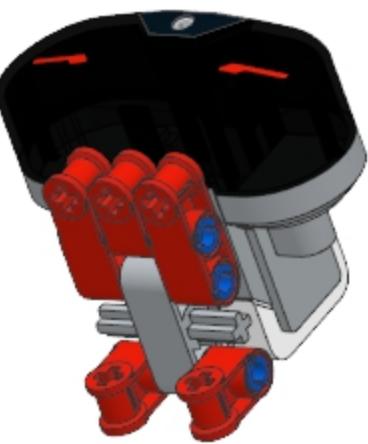
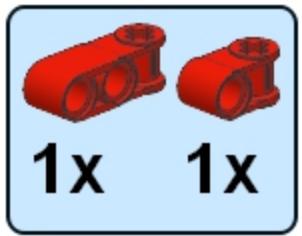
**1**



**2**



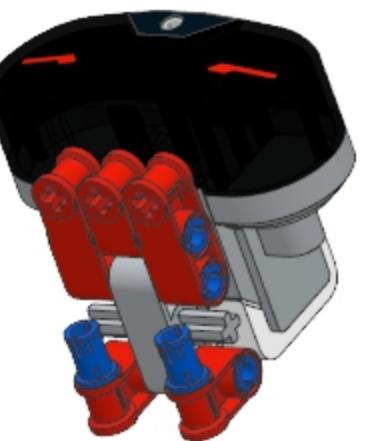
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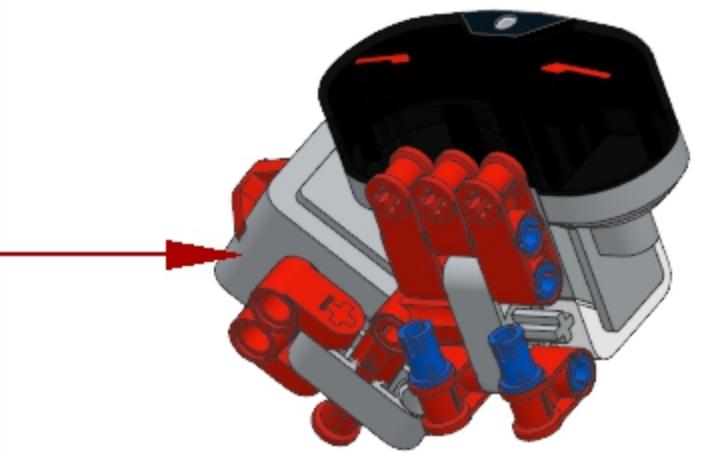
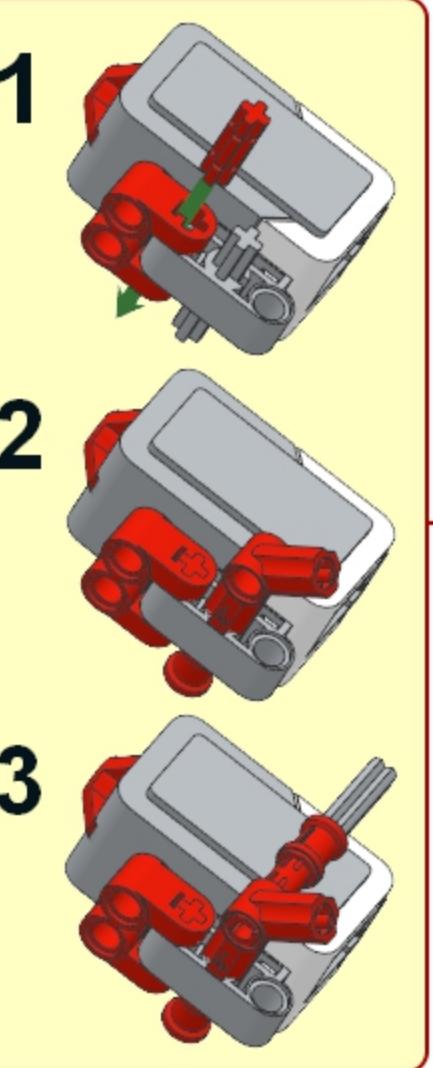
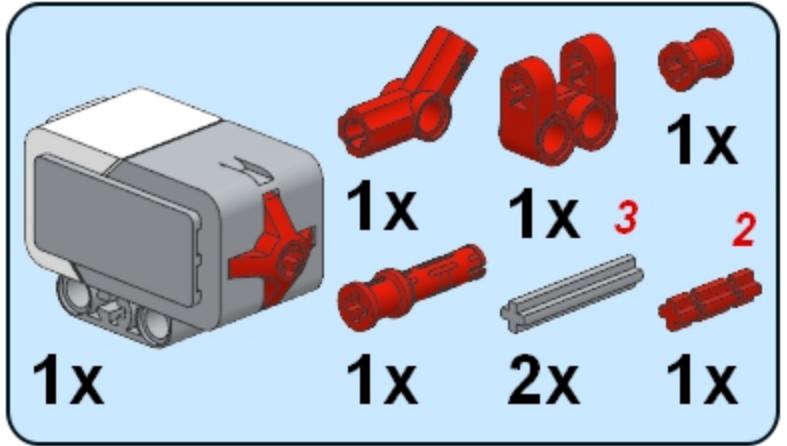


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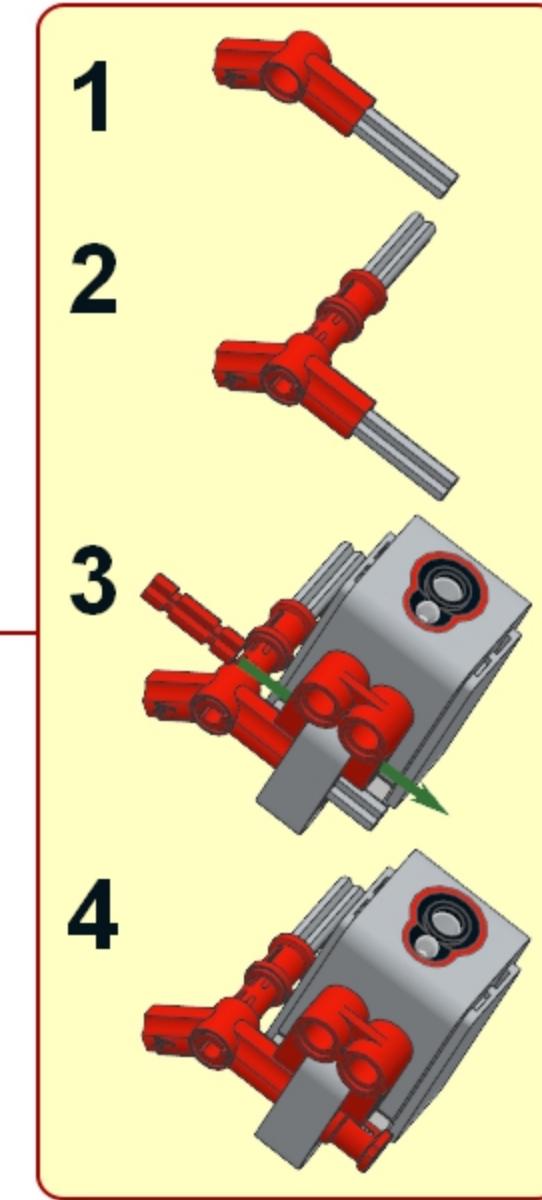
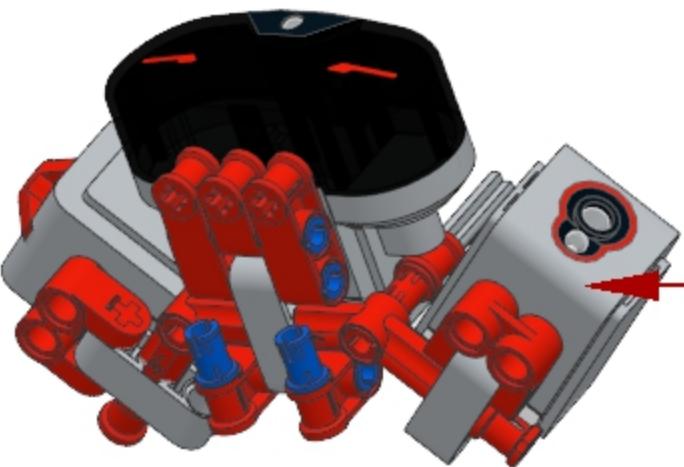
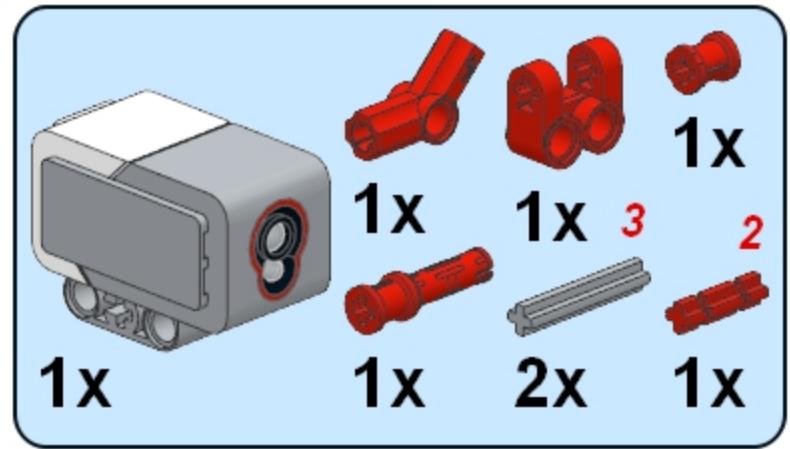
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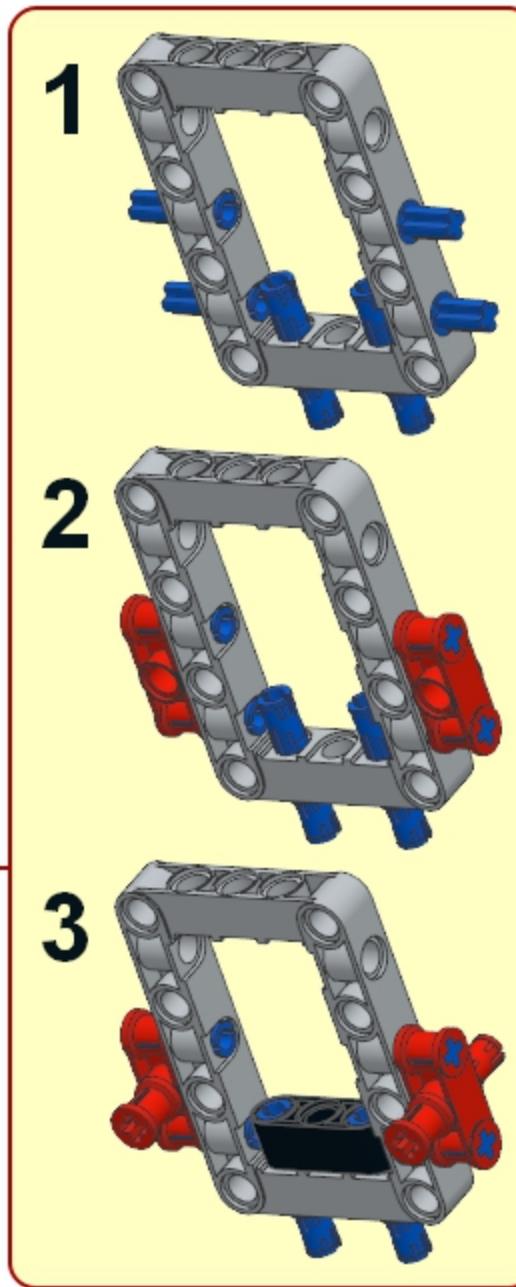
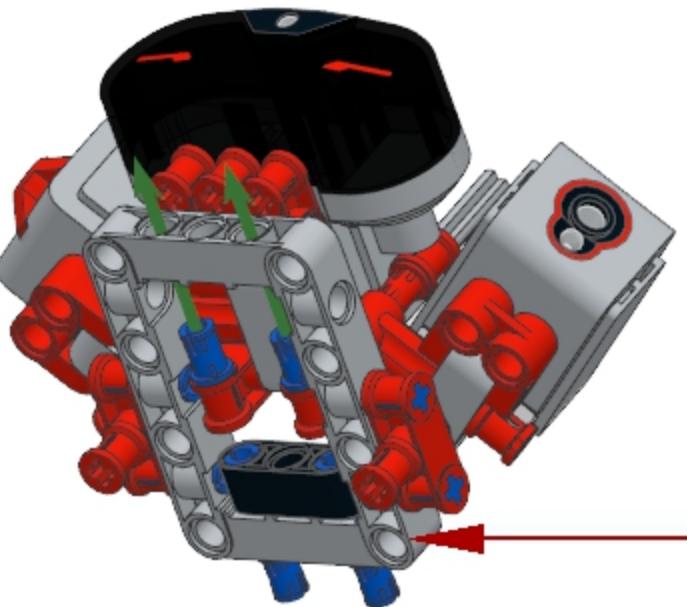
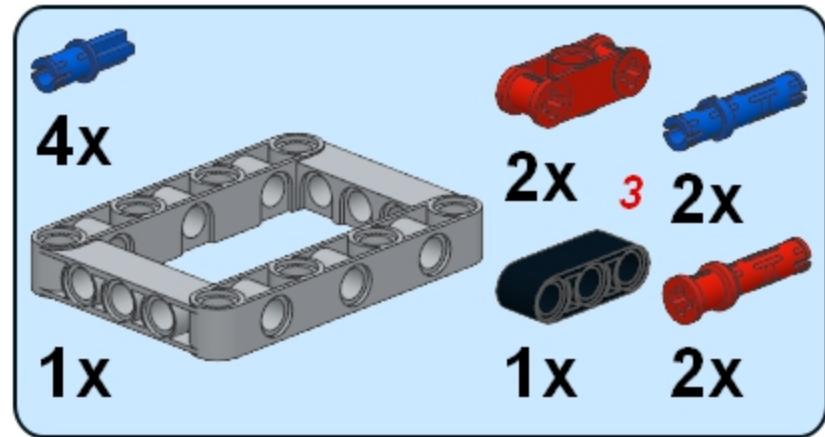
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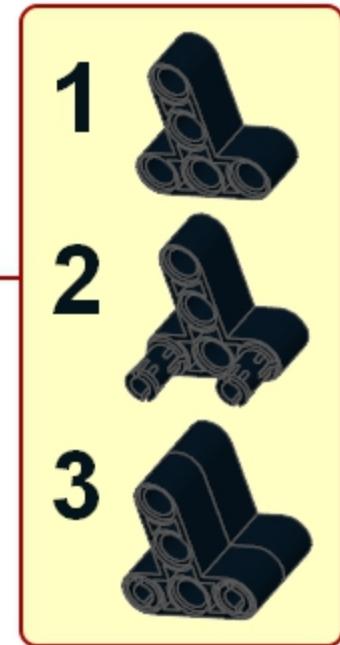
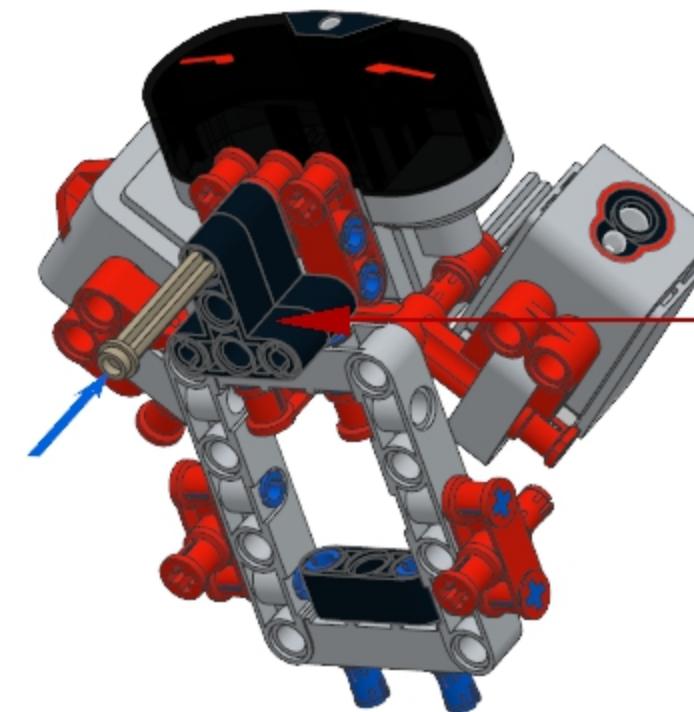
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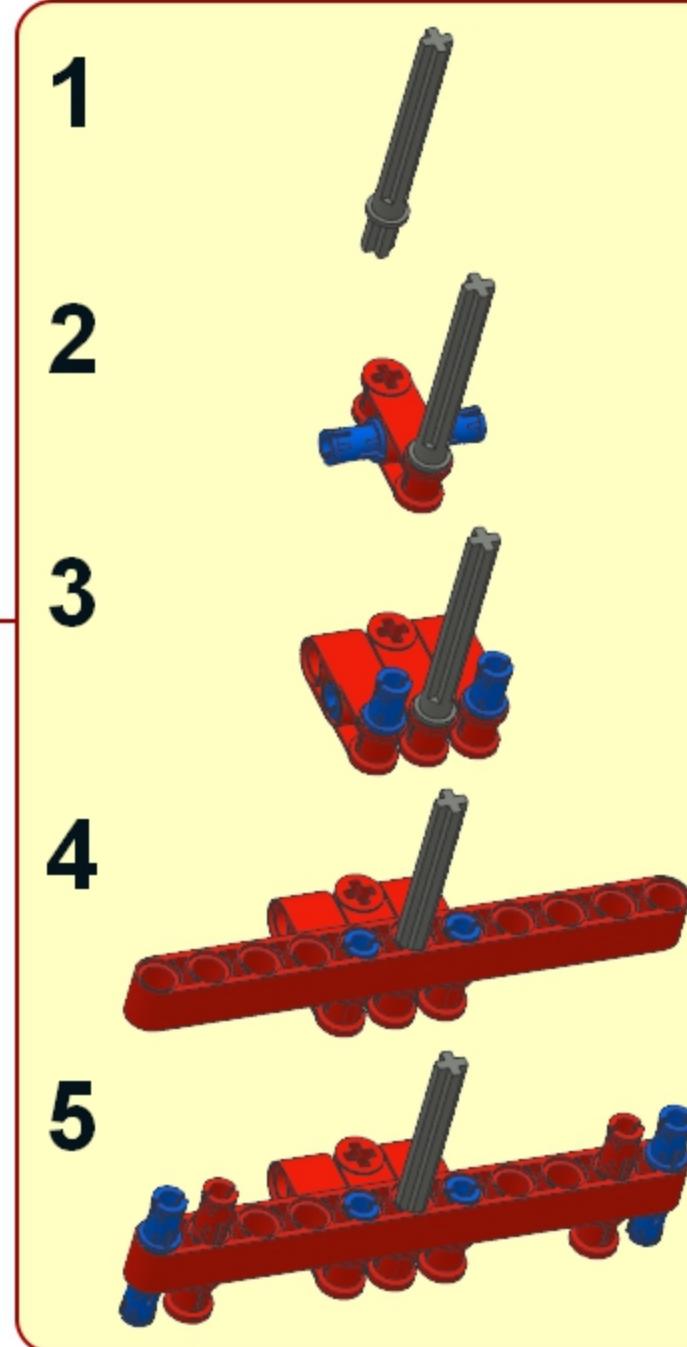
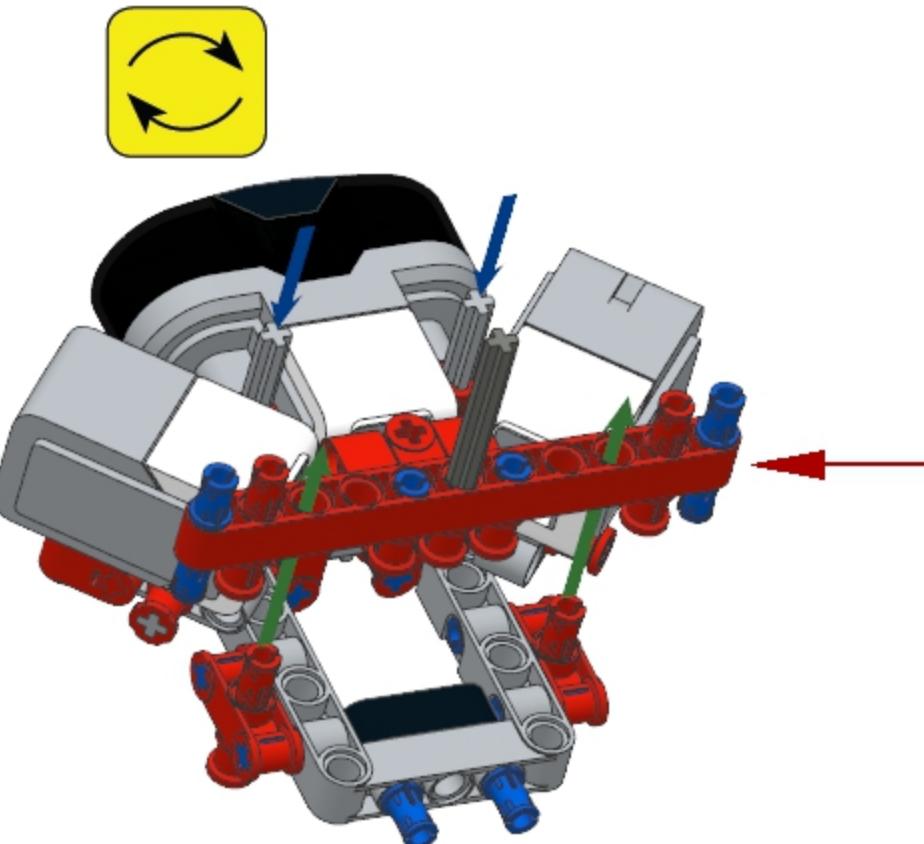
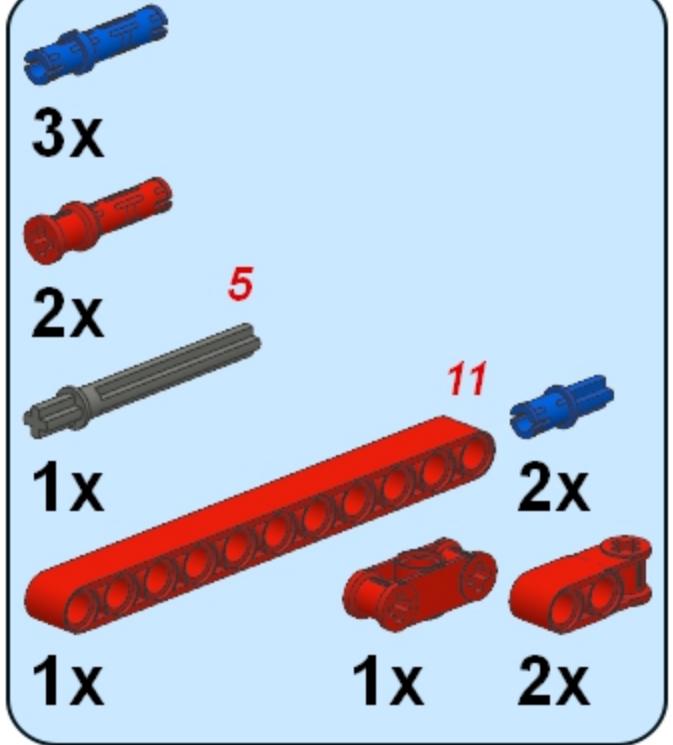
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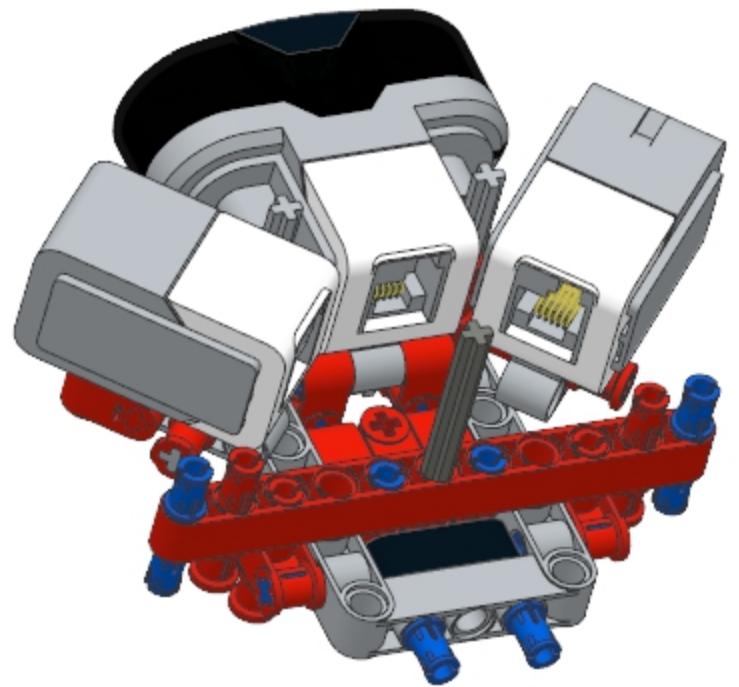
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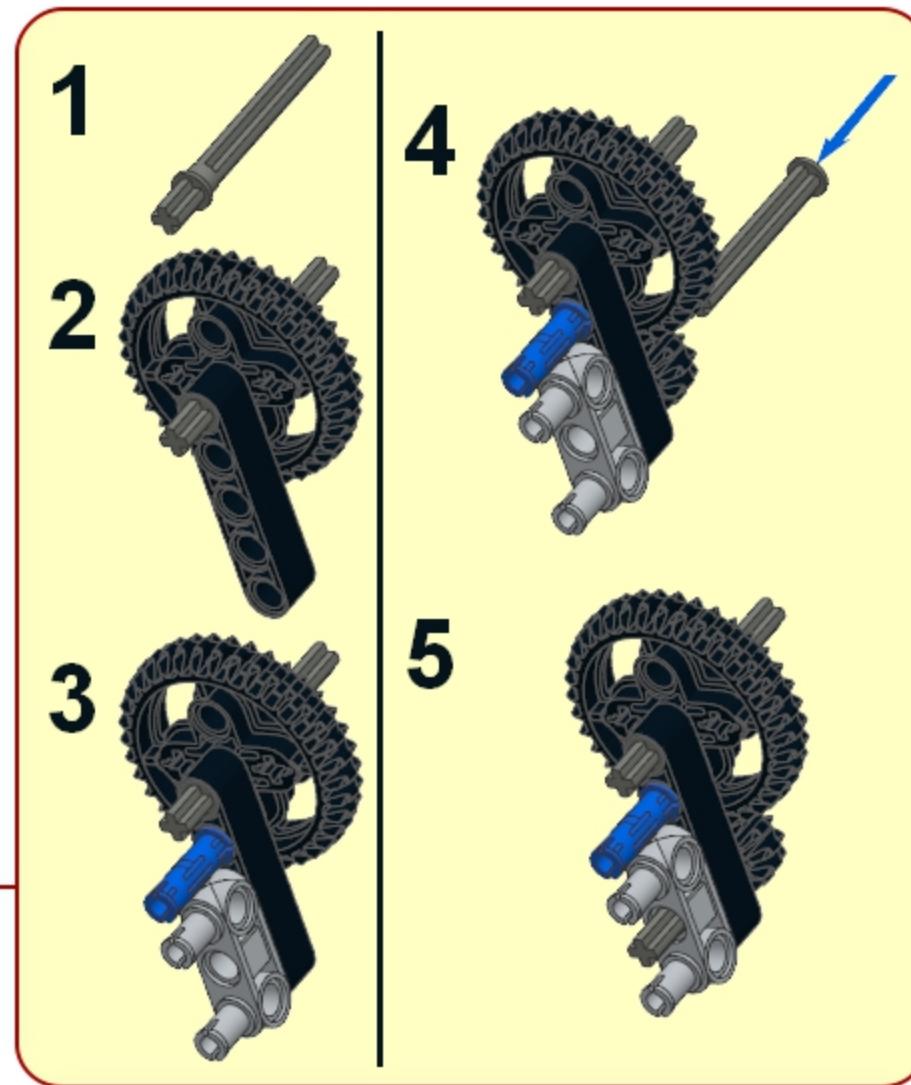
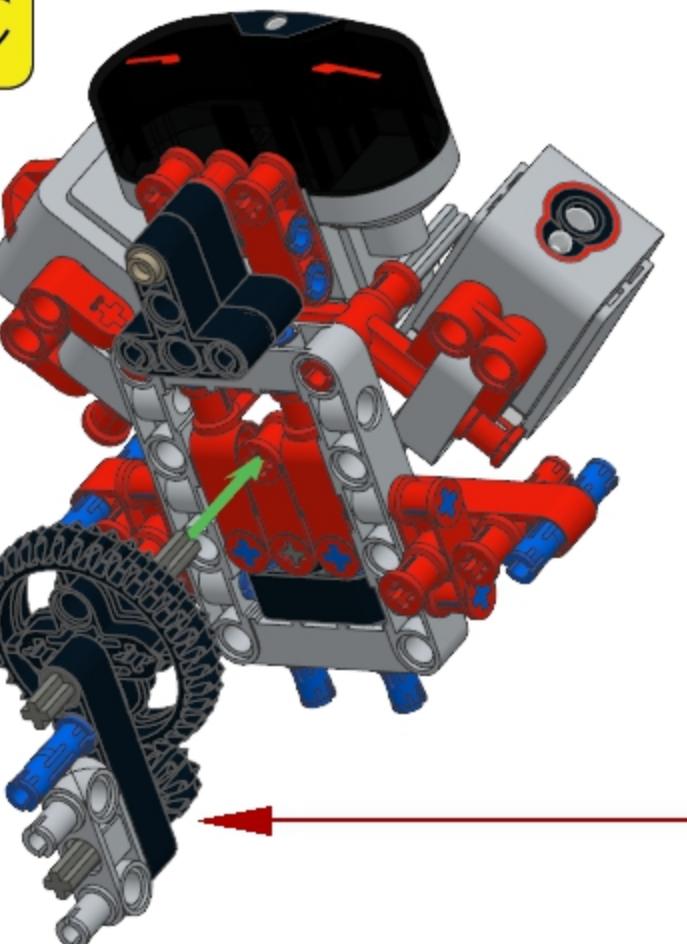
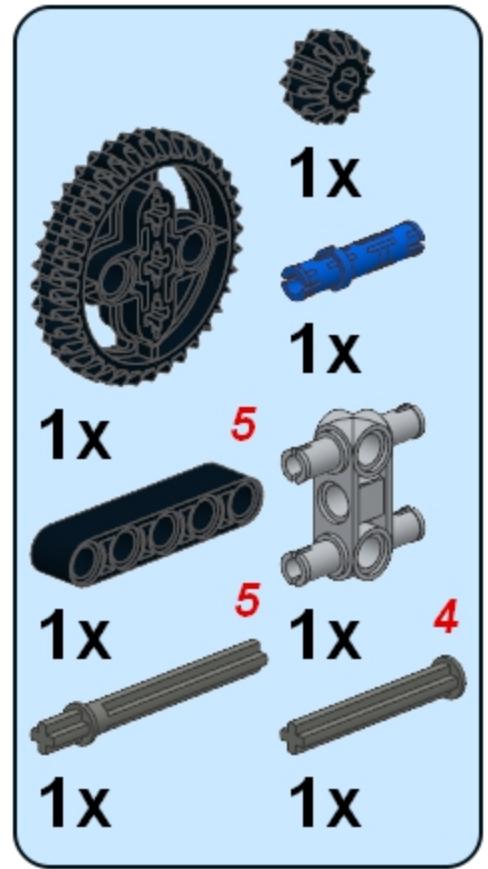
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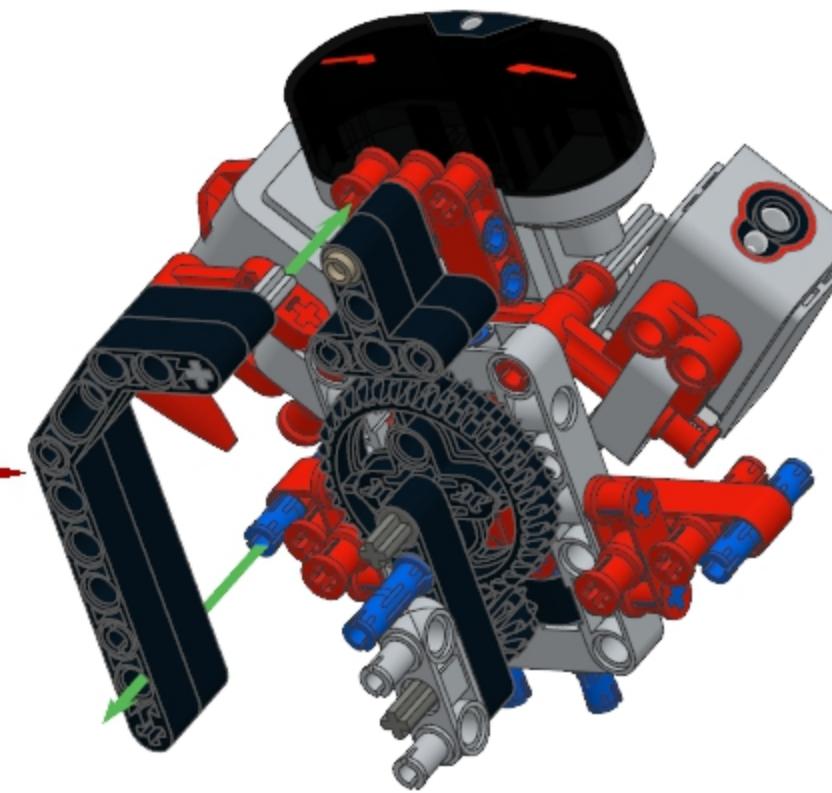
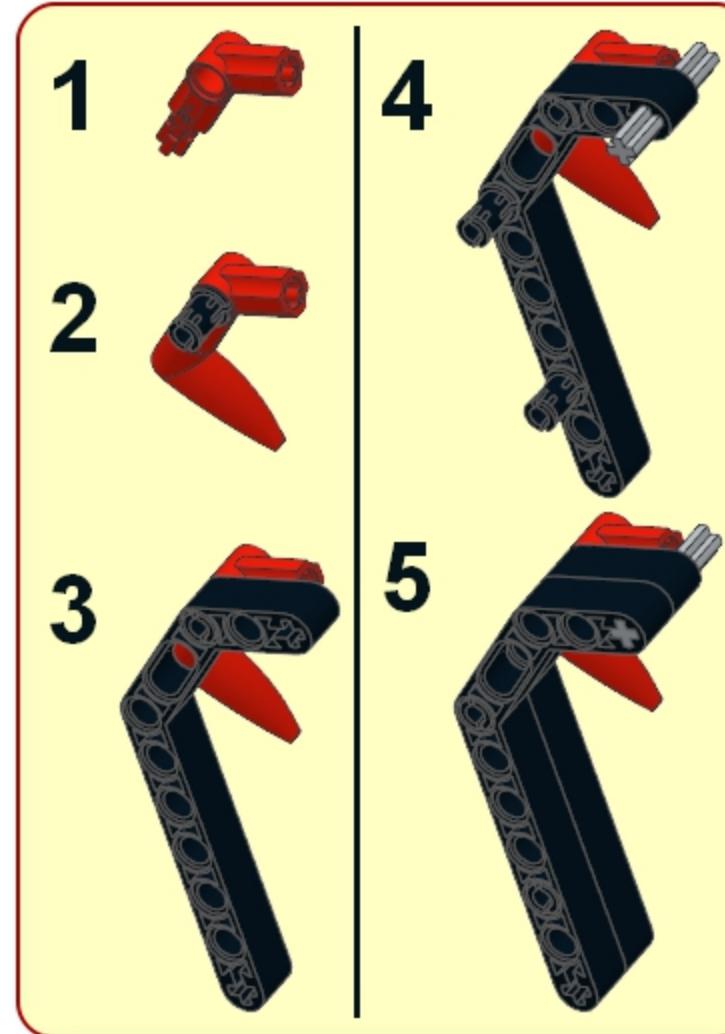
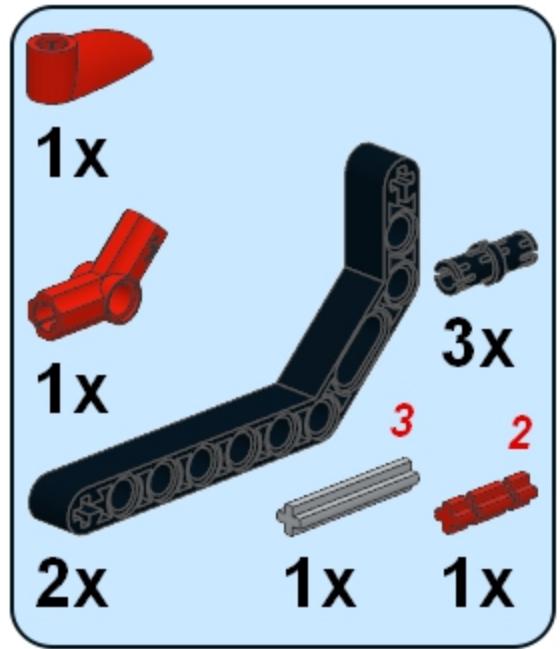
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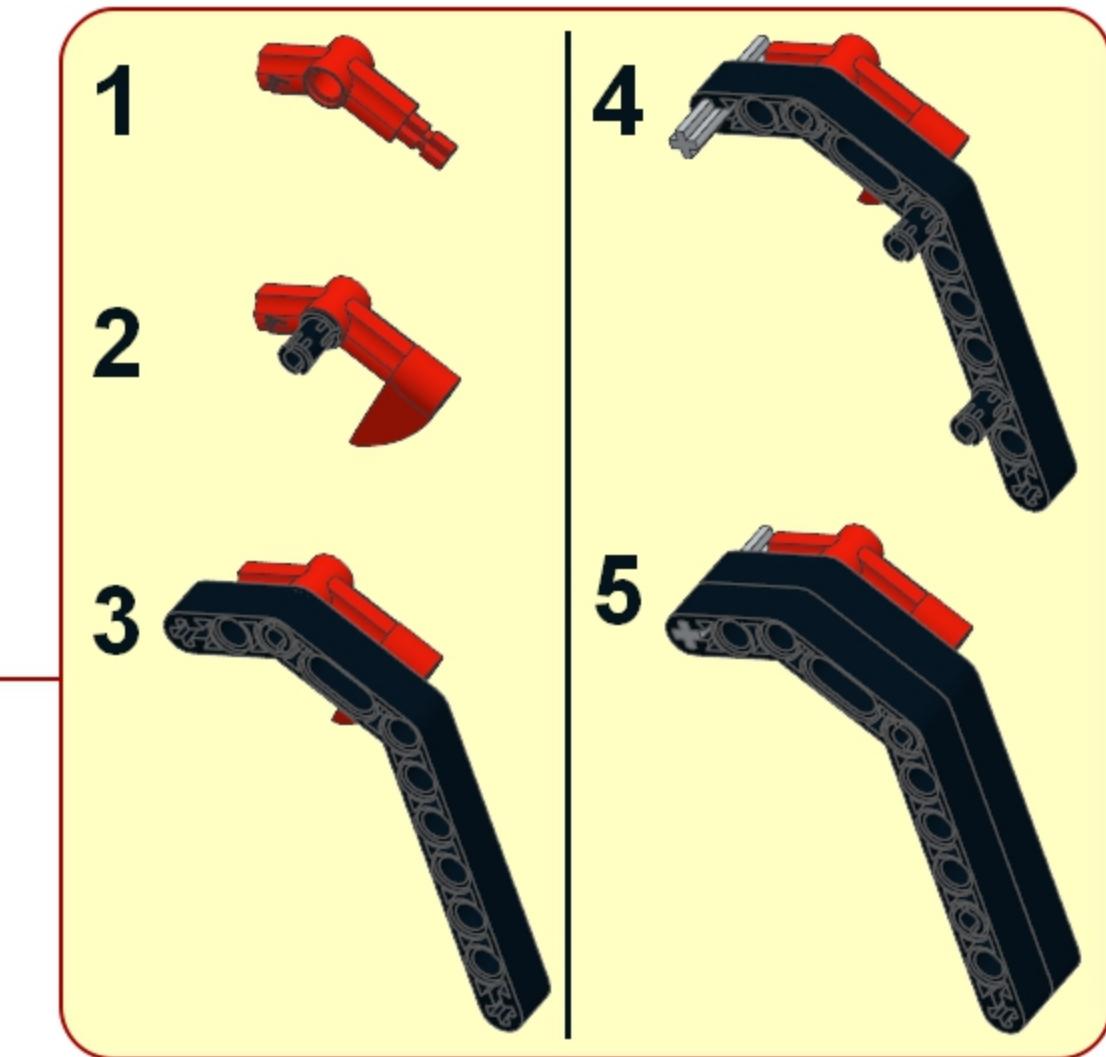
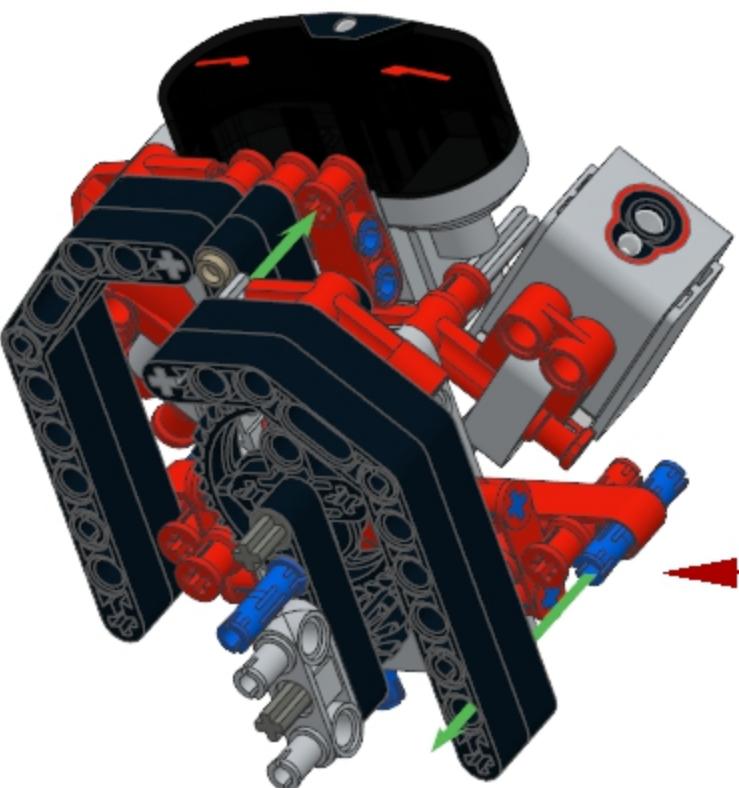
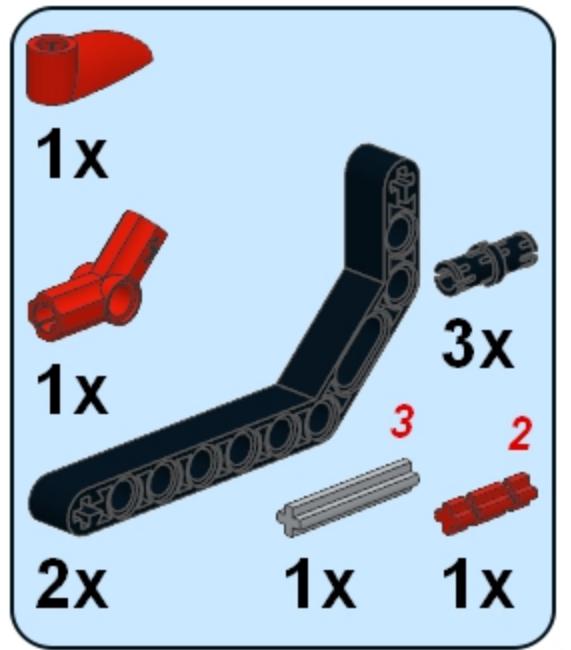
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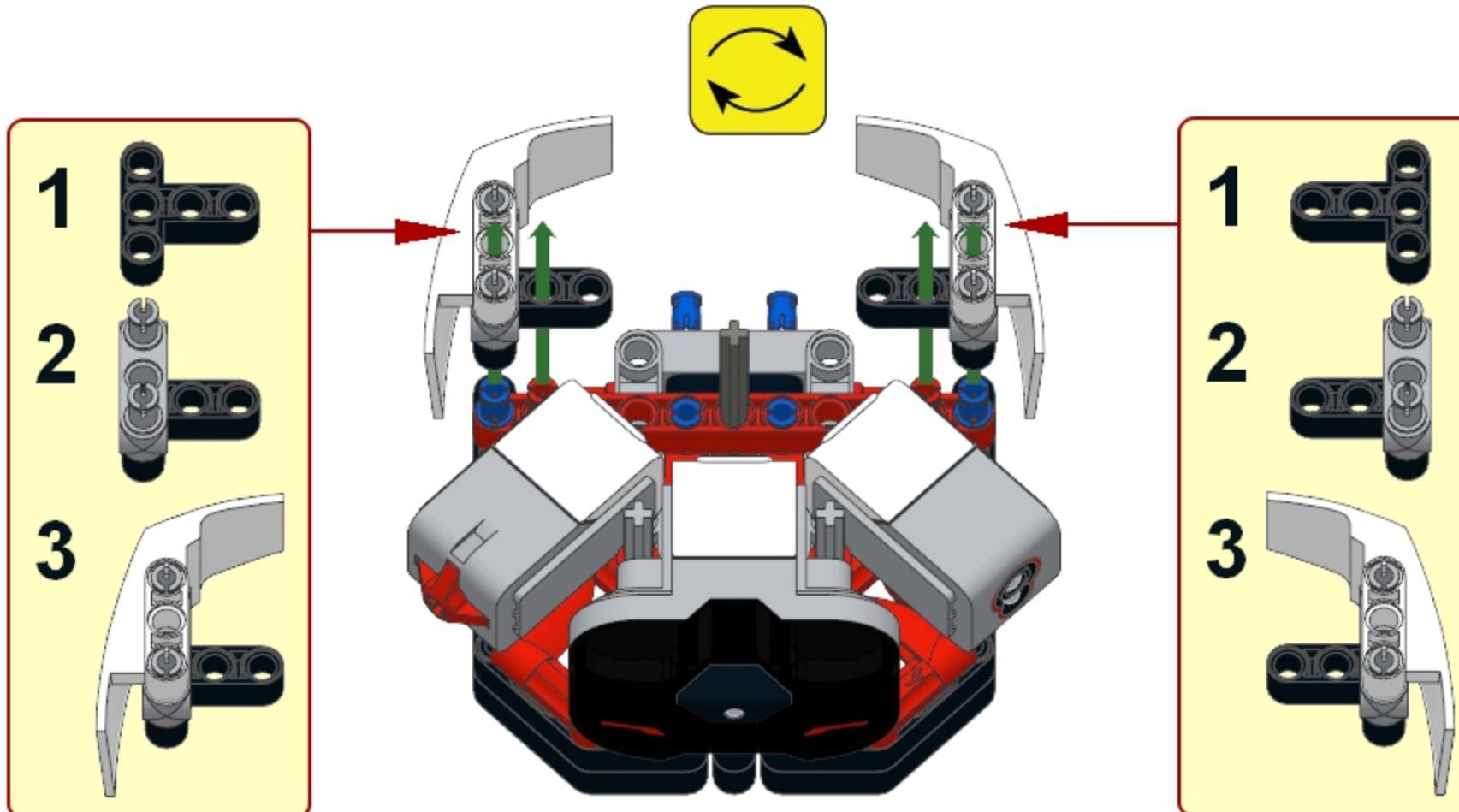
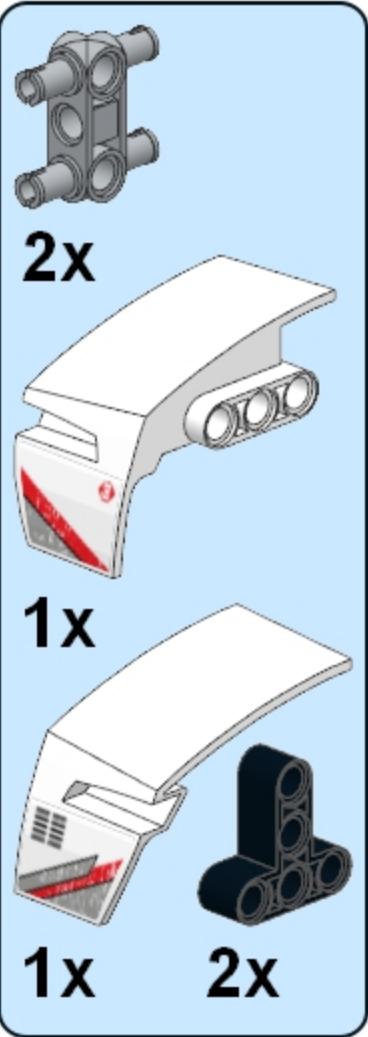
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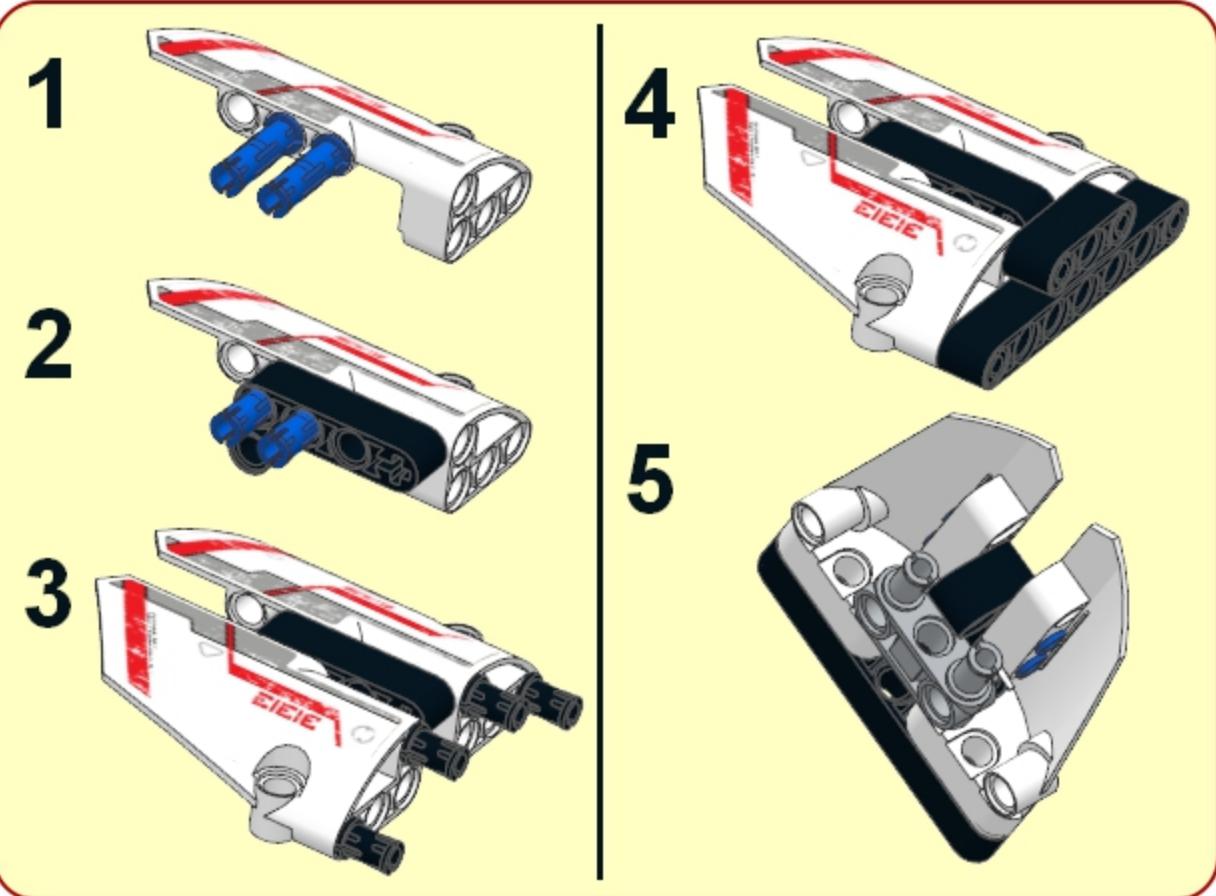
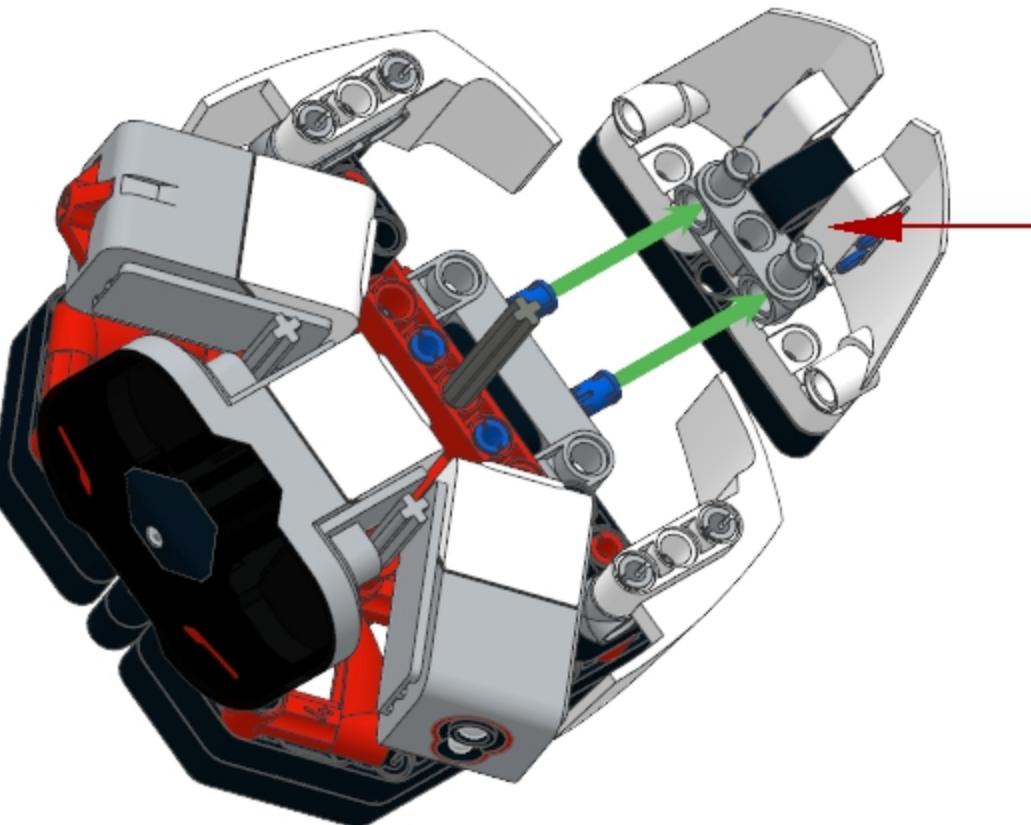
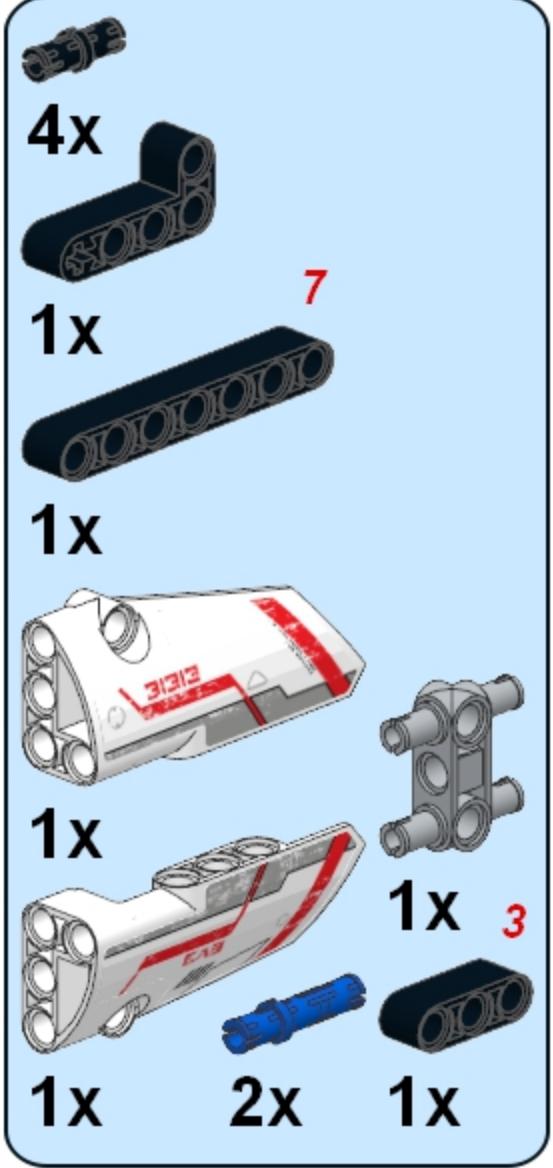
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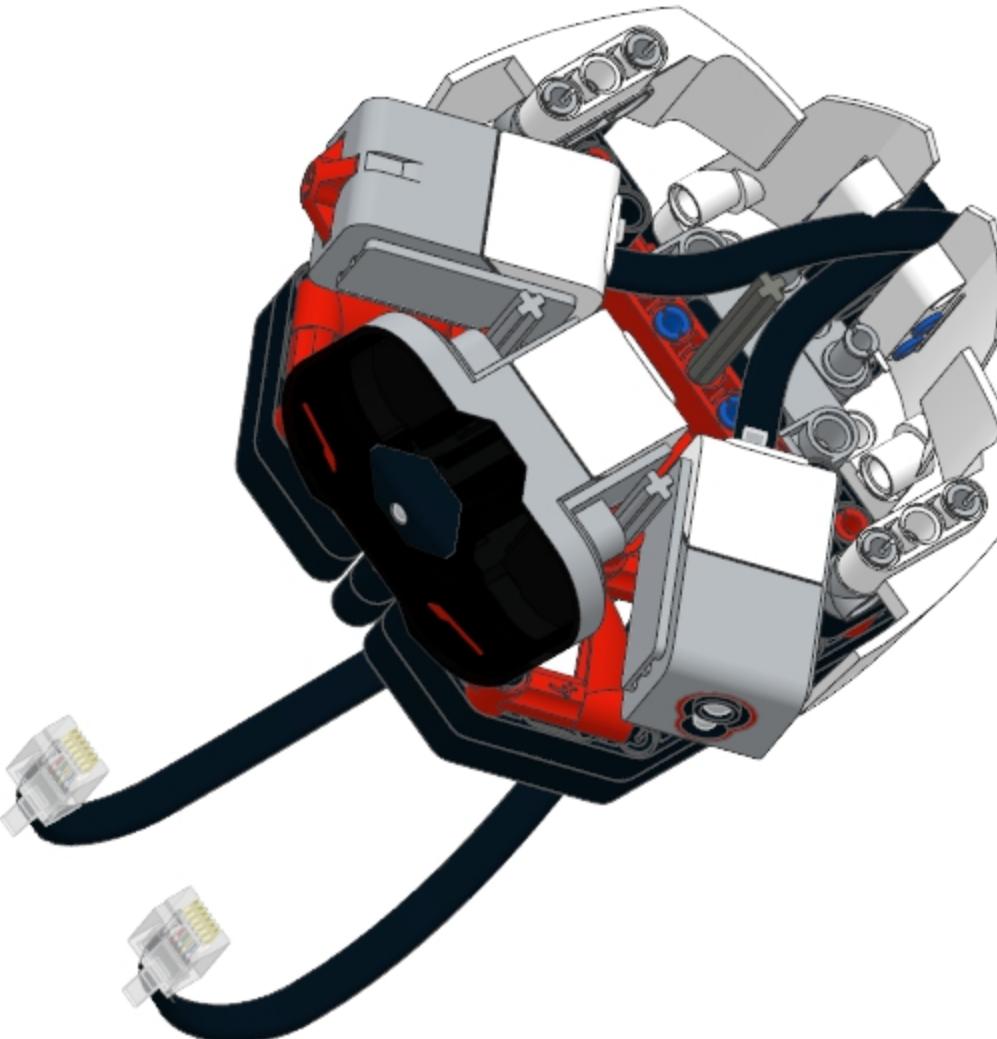
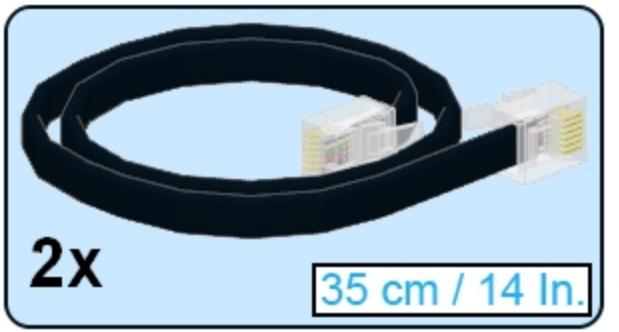
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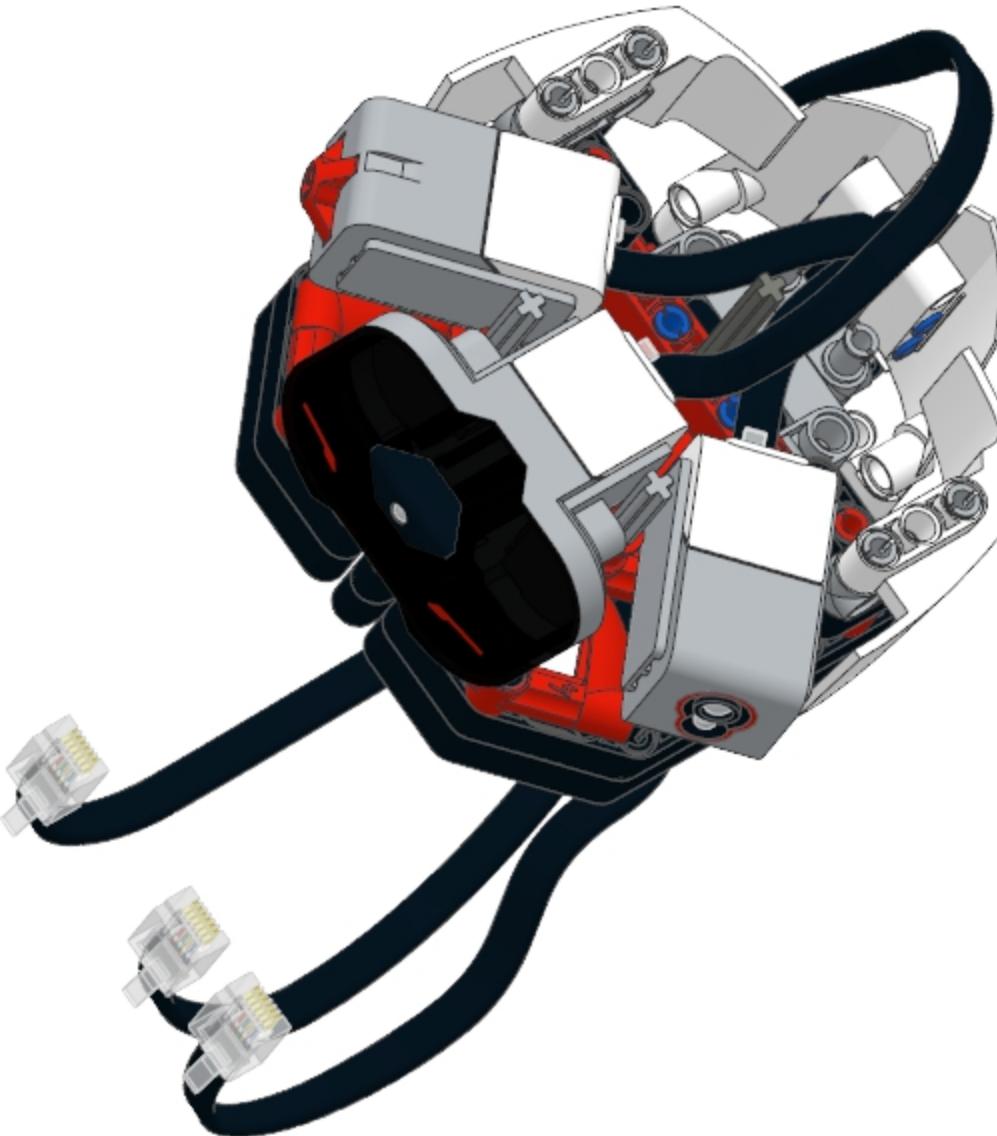
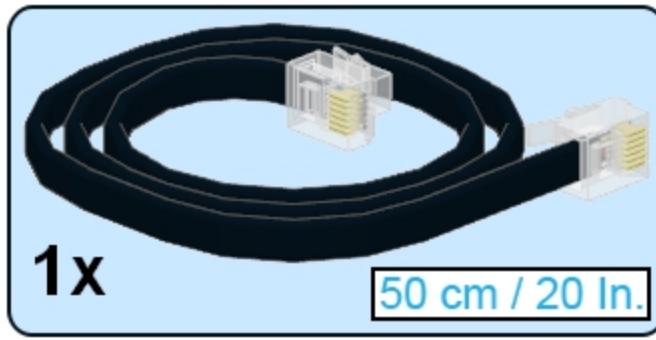
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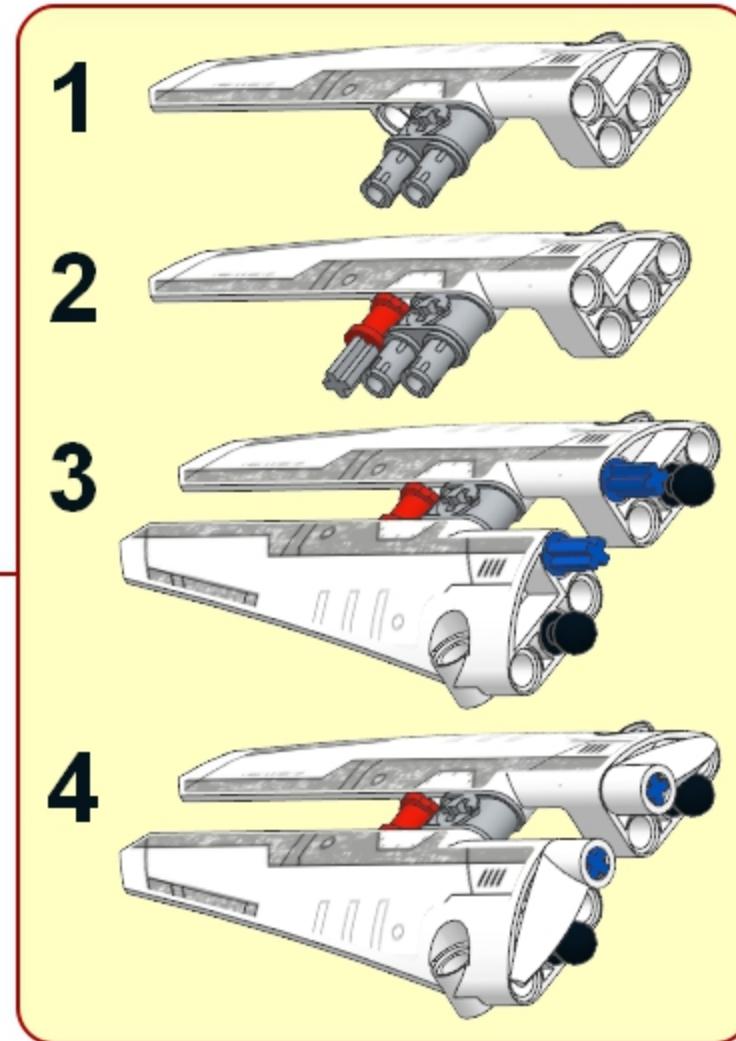
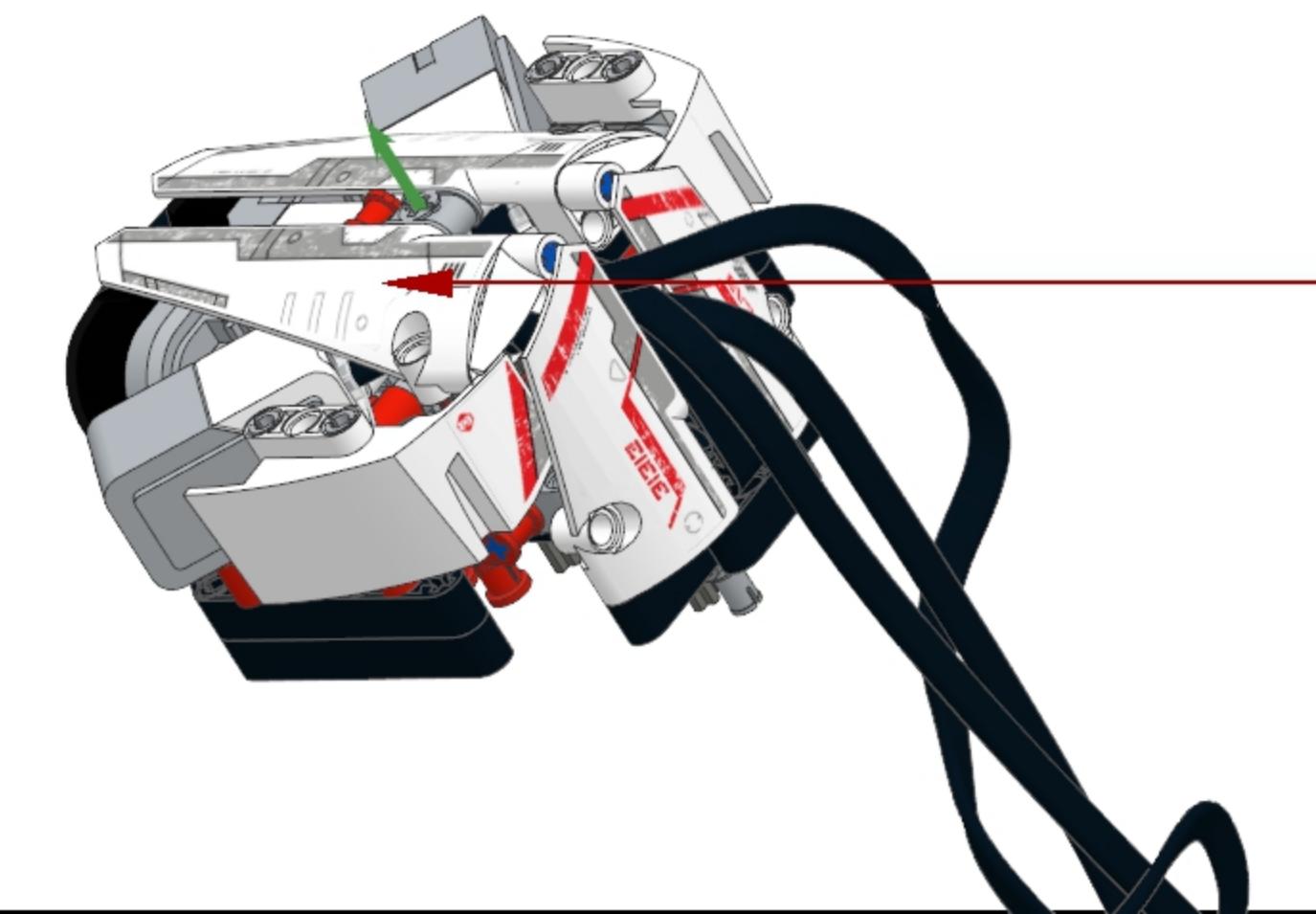
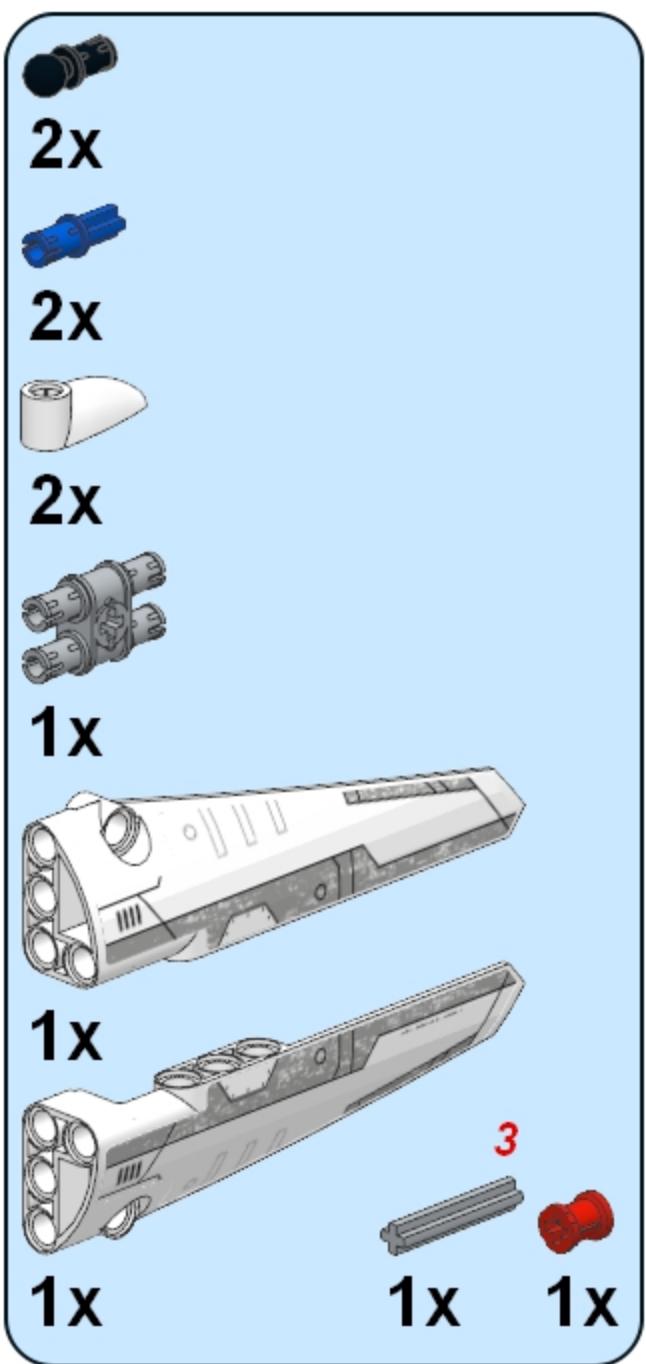
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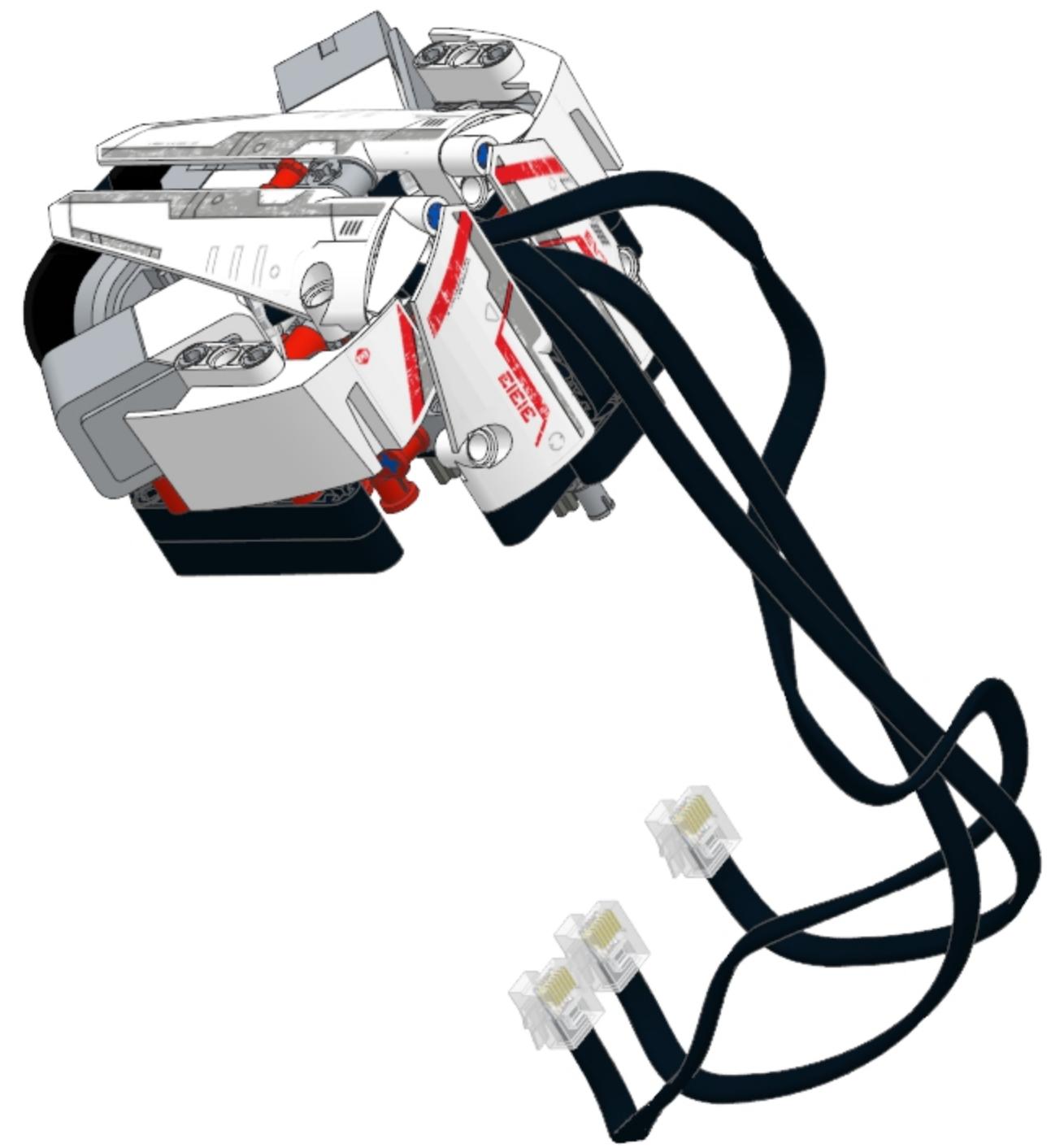
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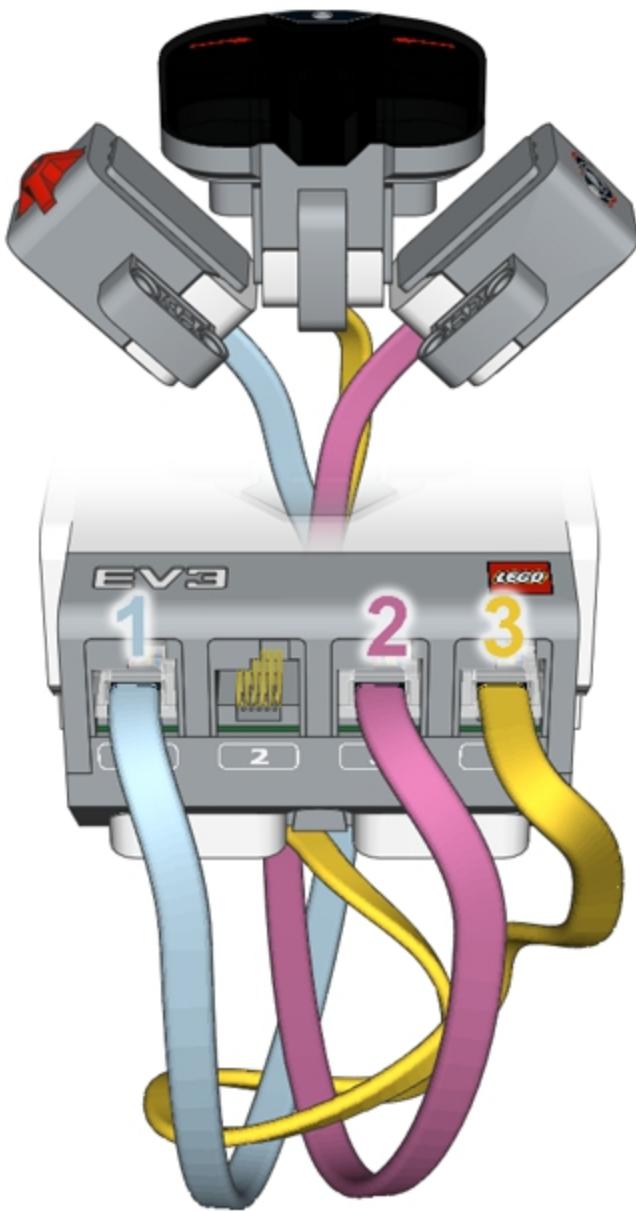
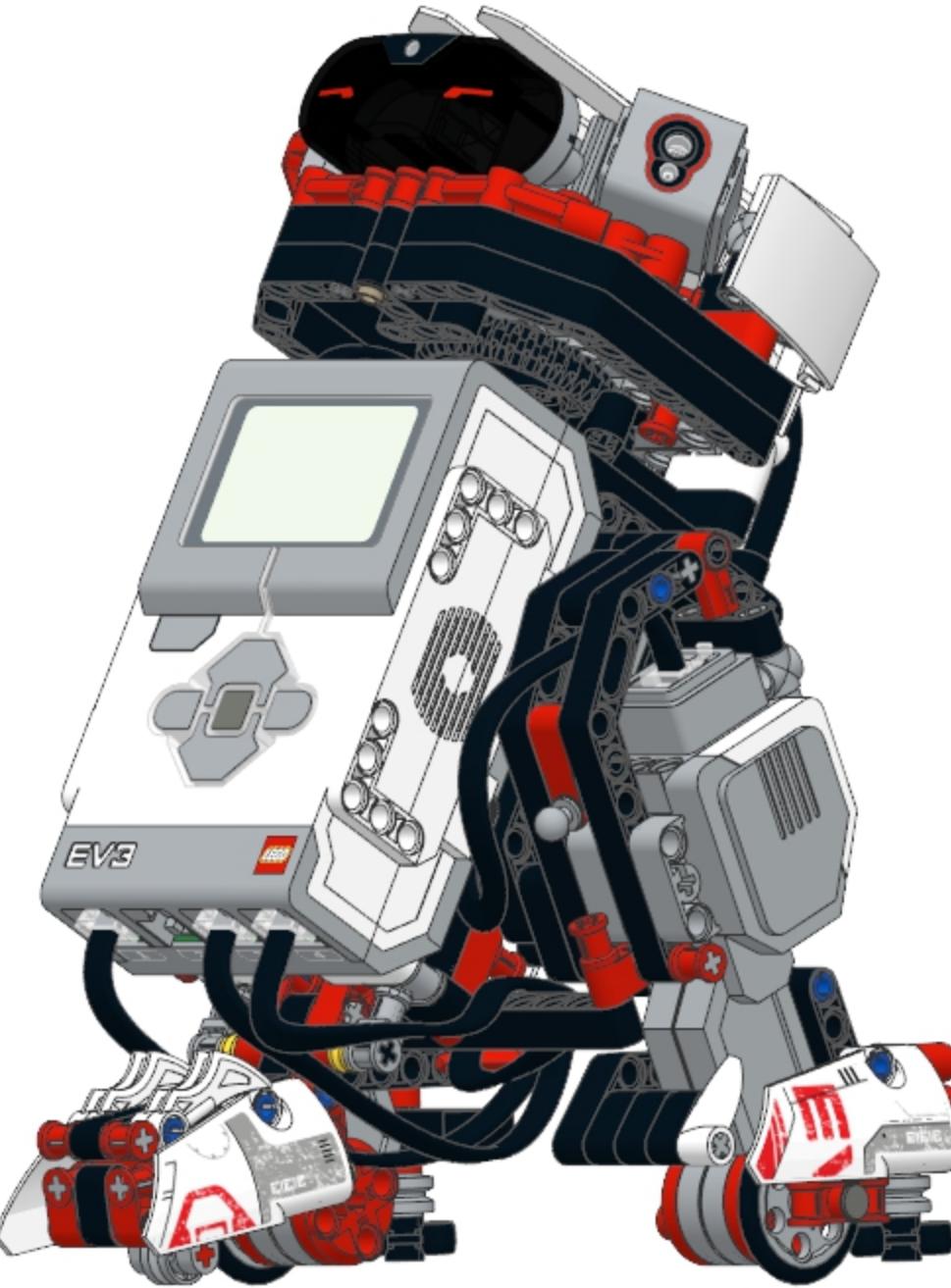
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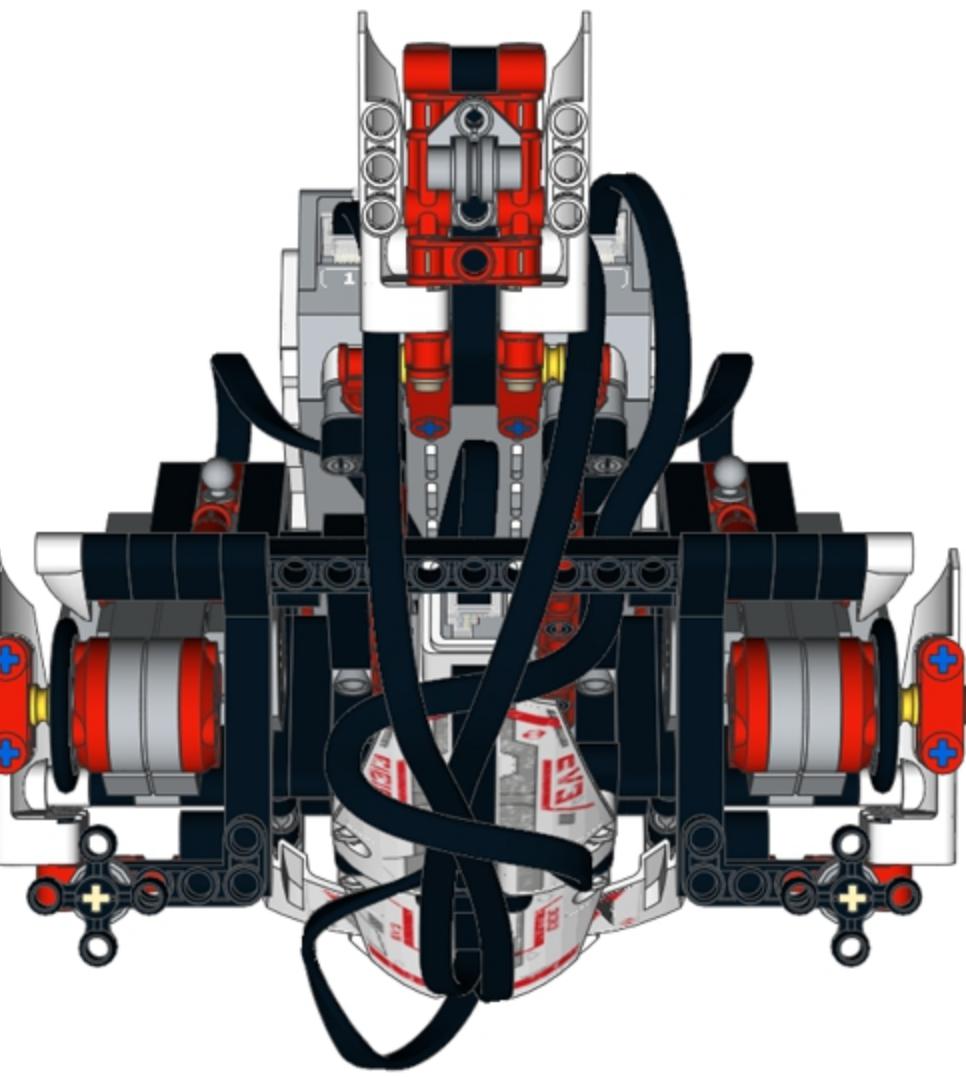
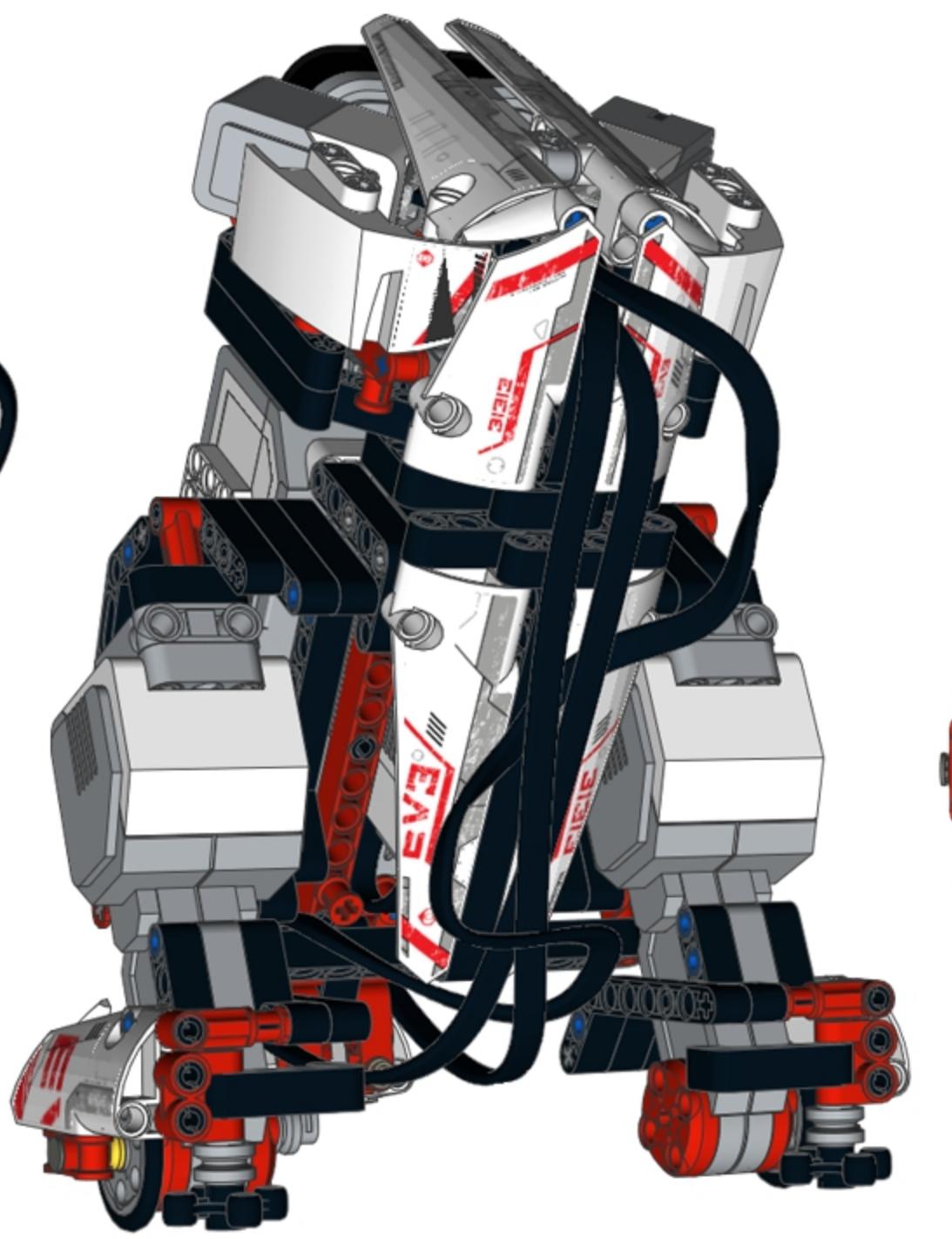
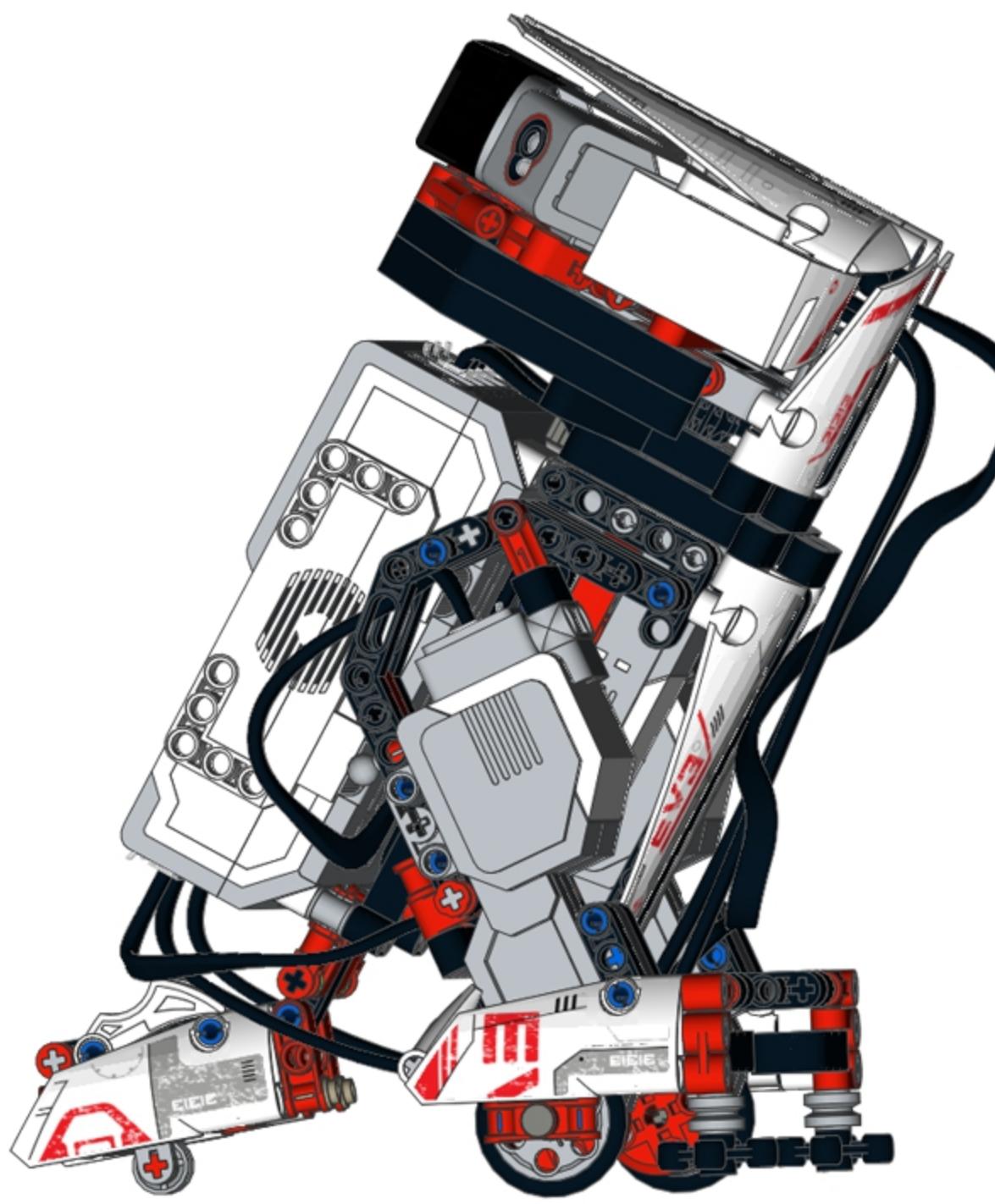


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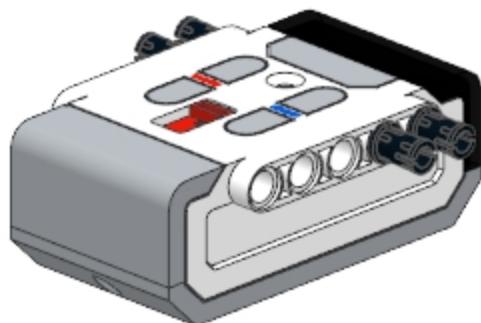
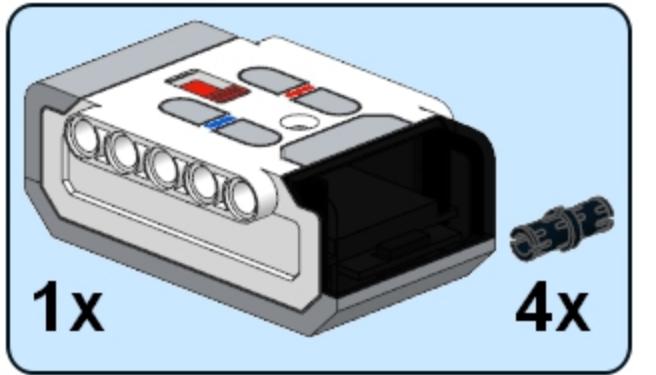


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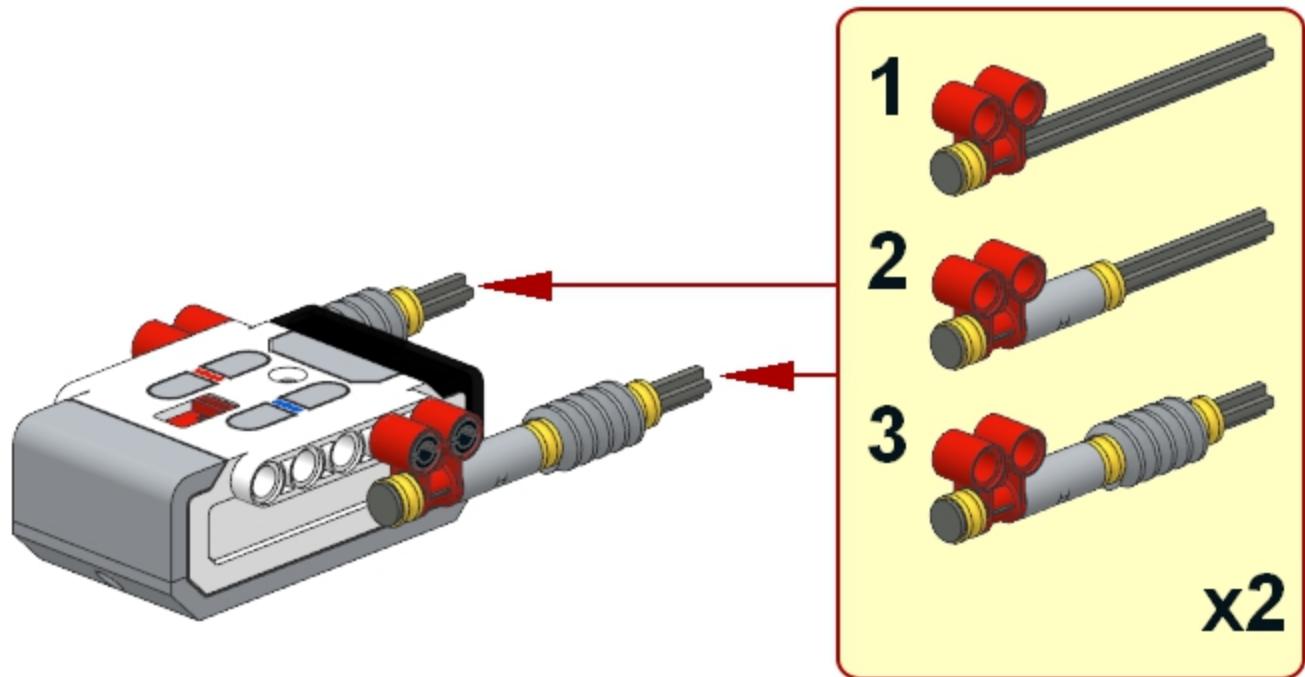
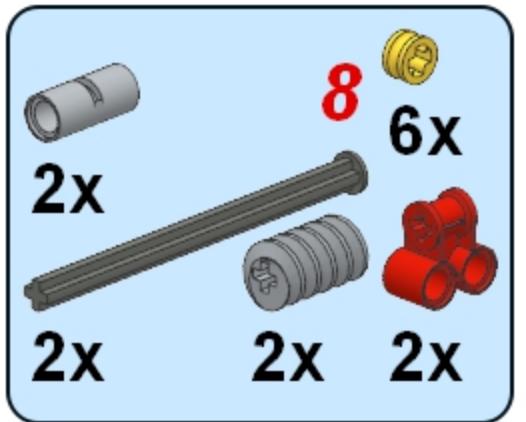




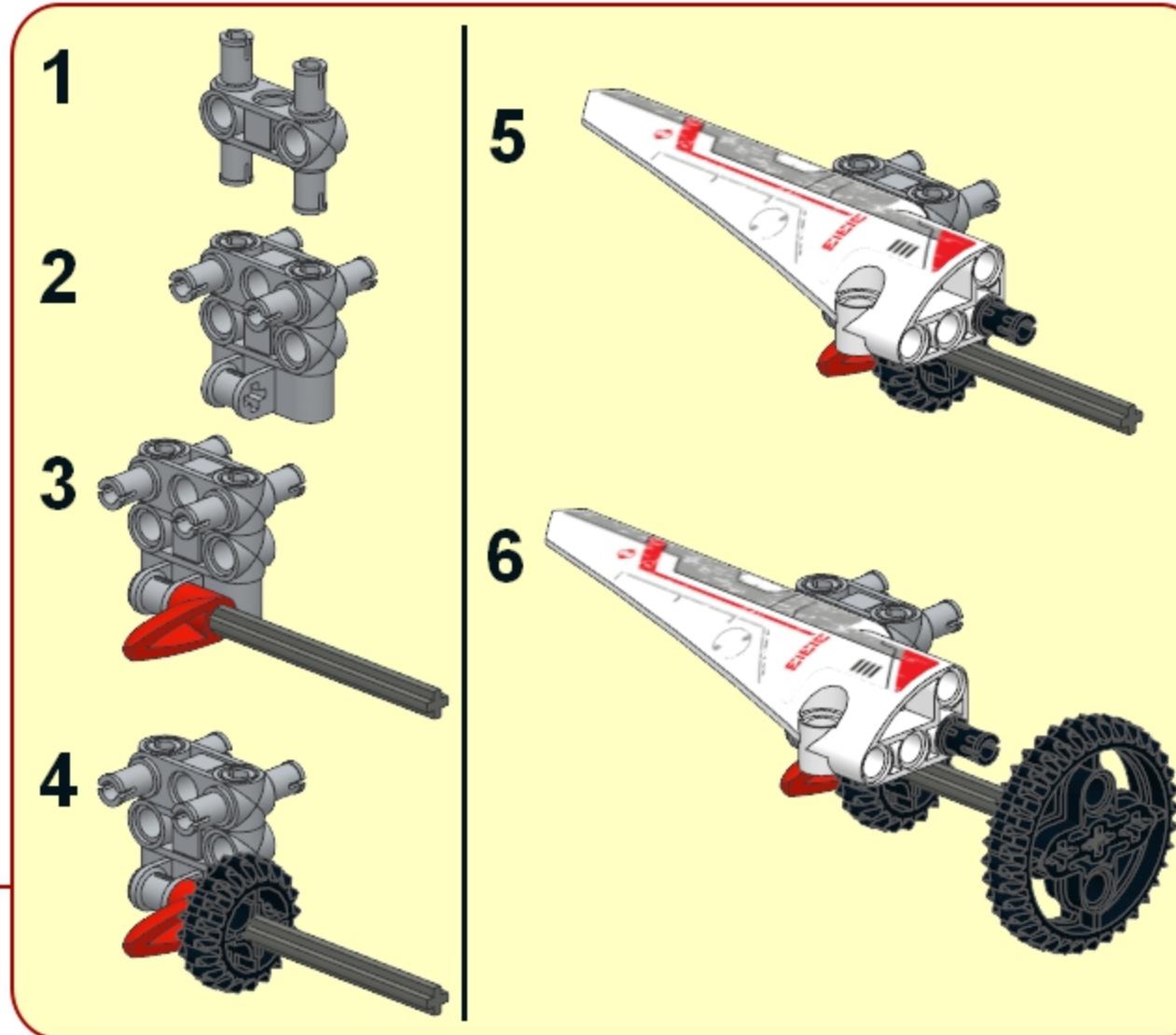
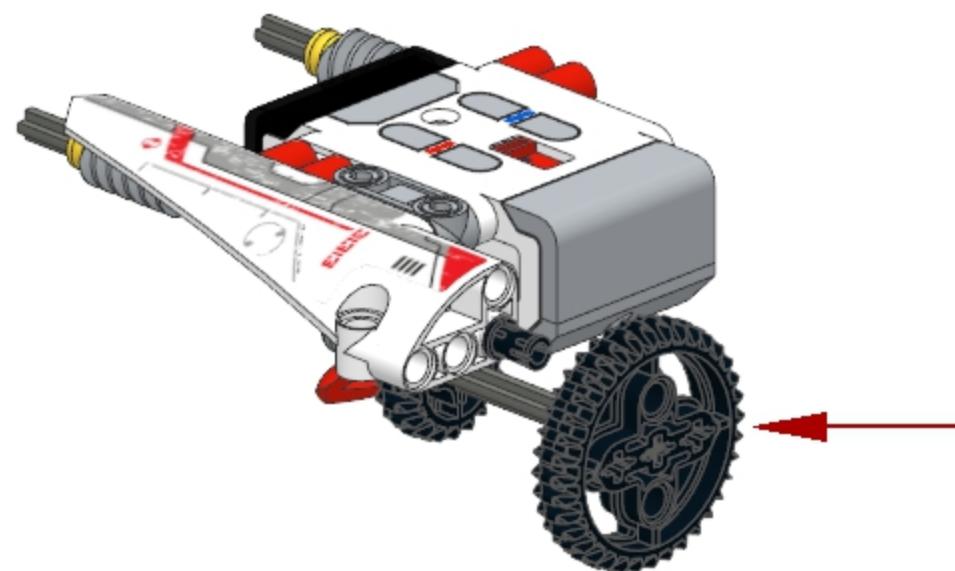
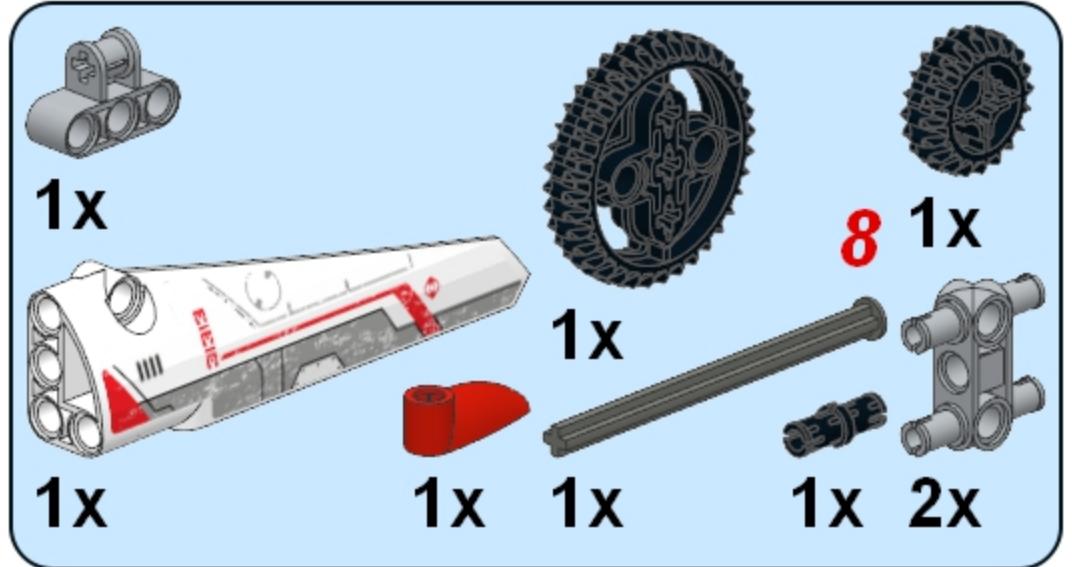
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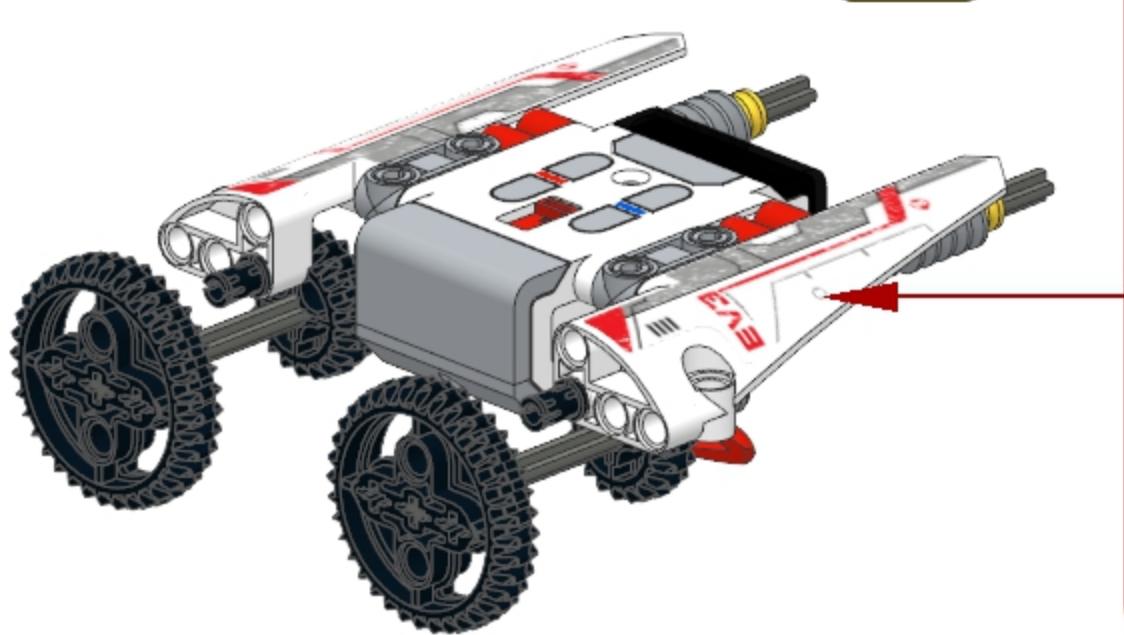
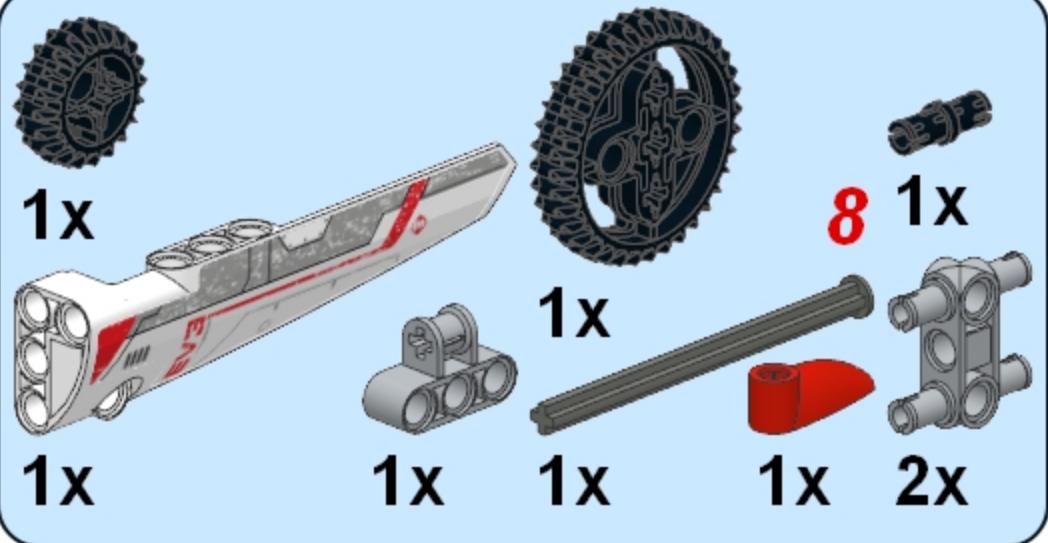
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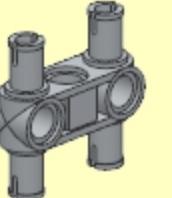
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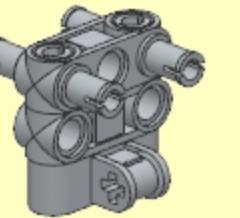
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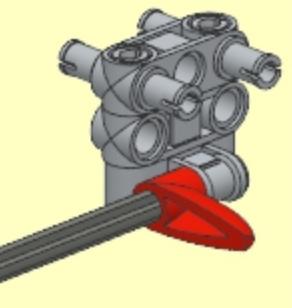
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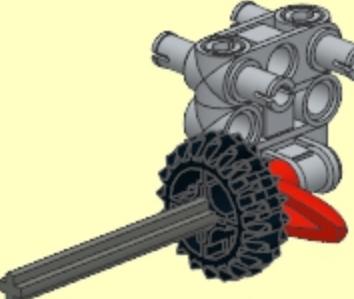
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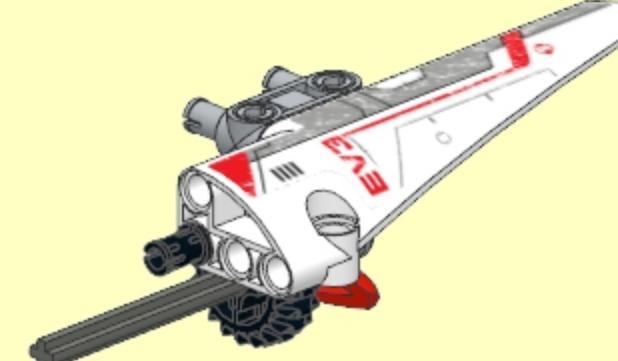
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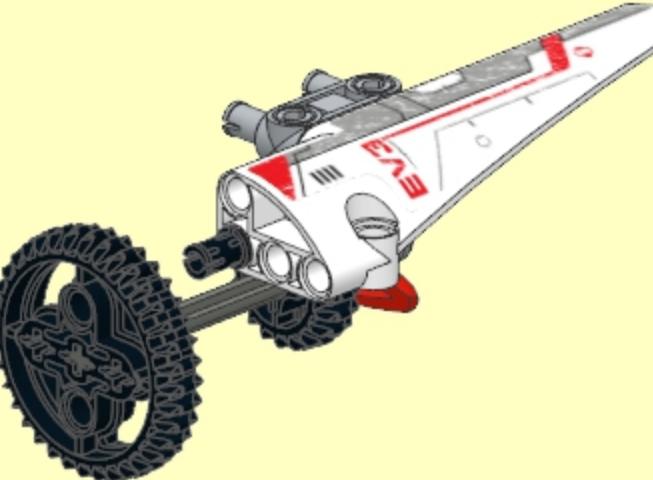
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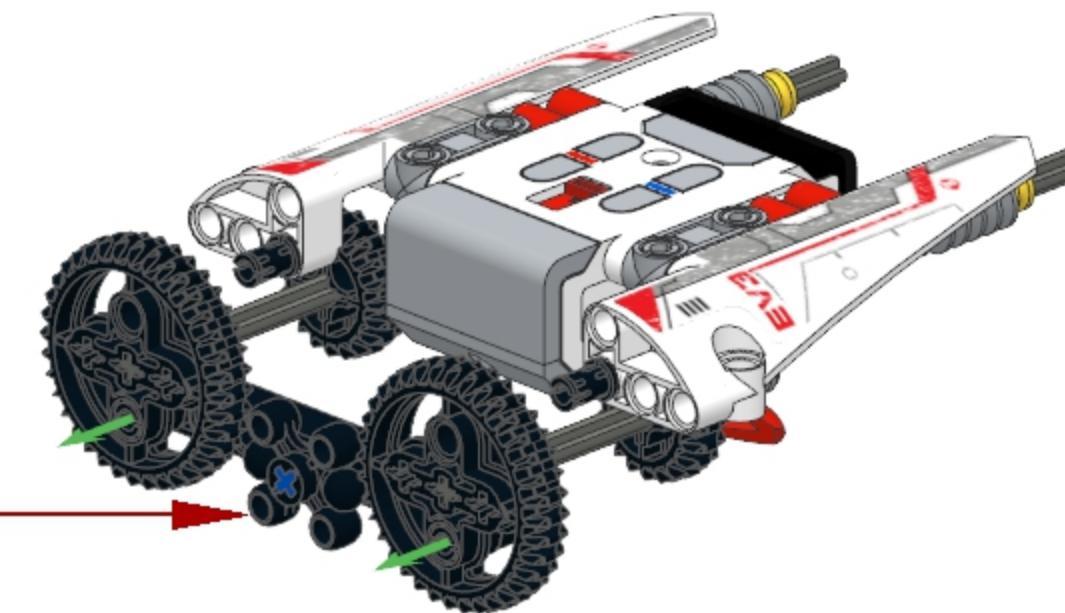
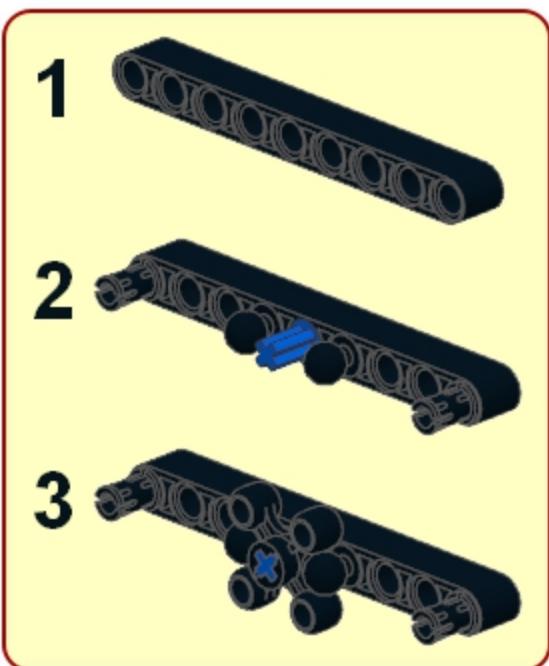
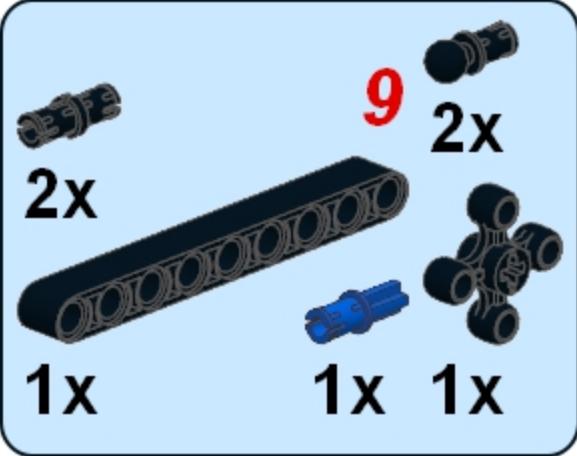
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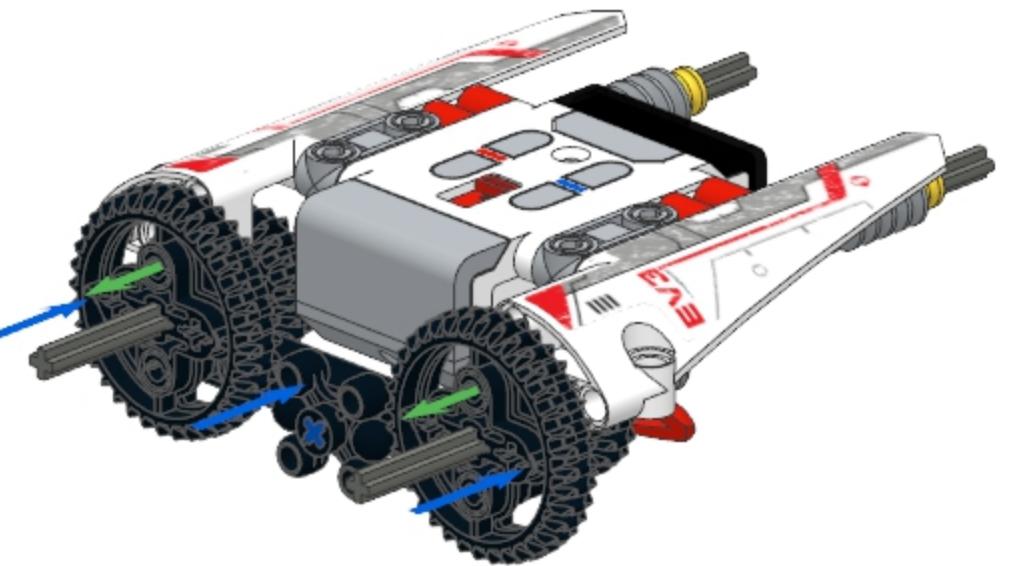
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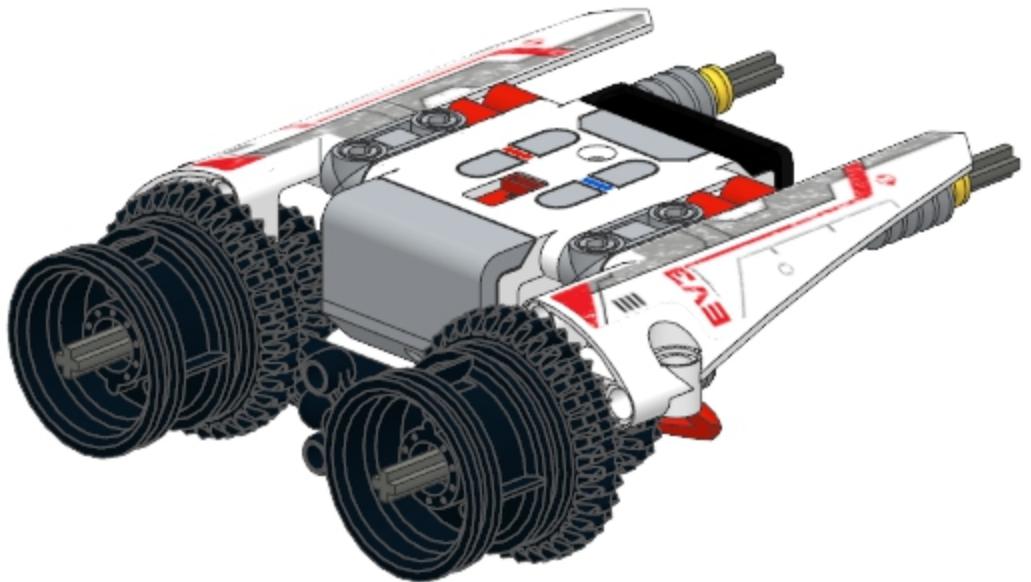
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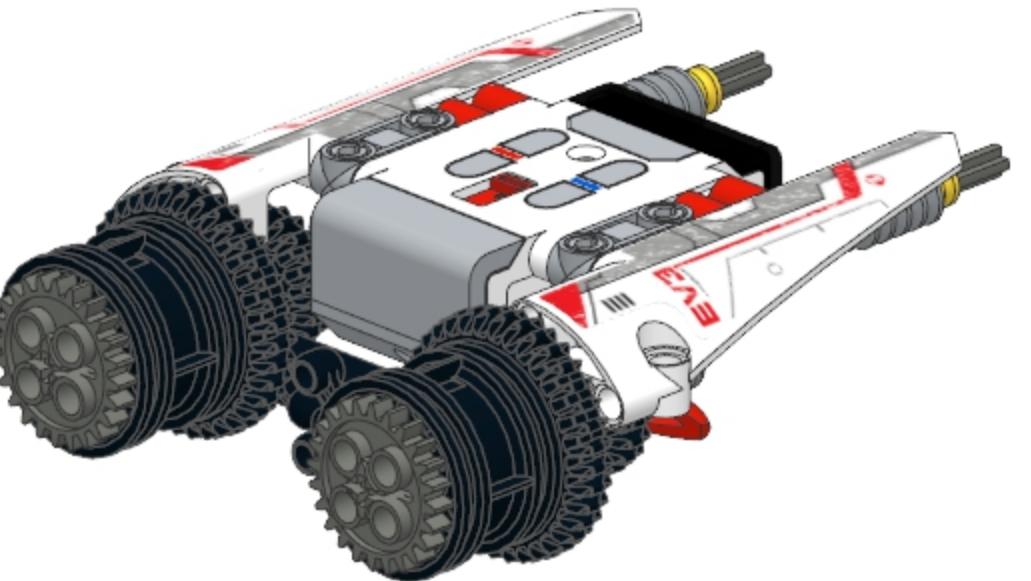
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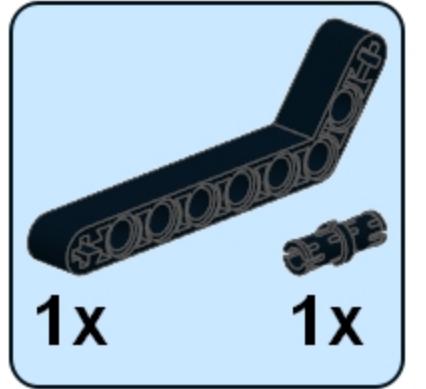
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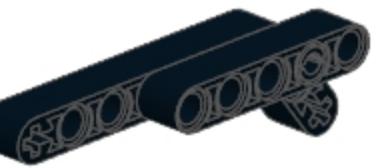
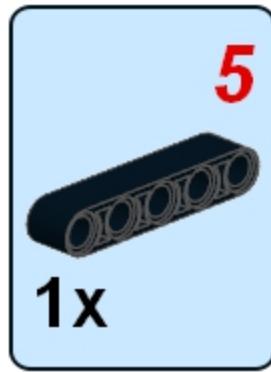
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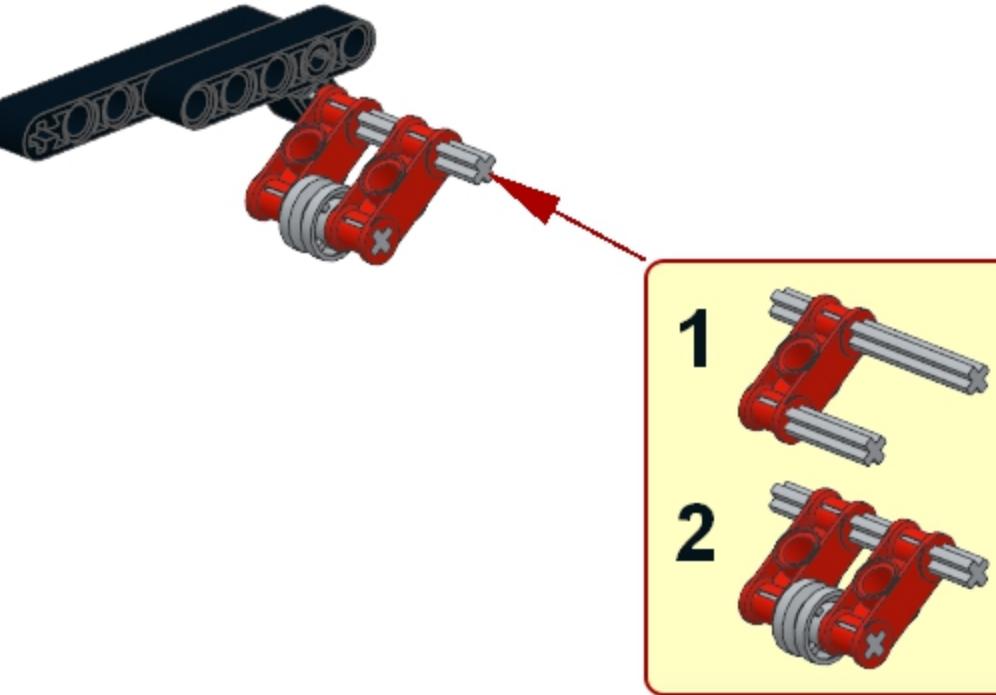
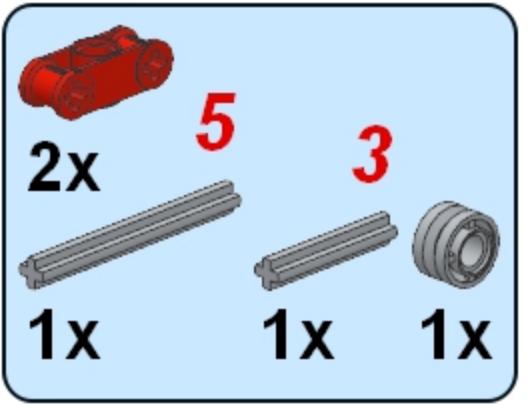
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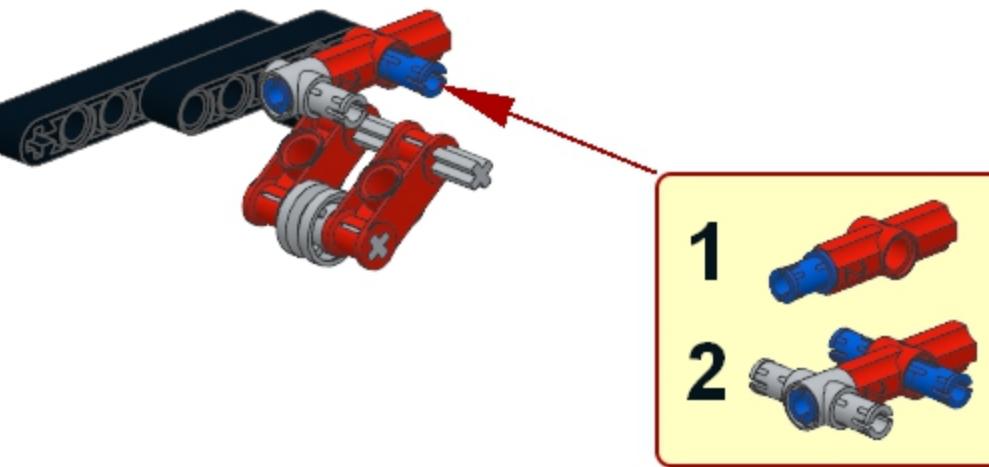
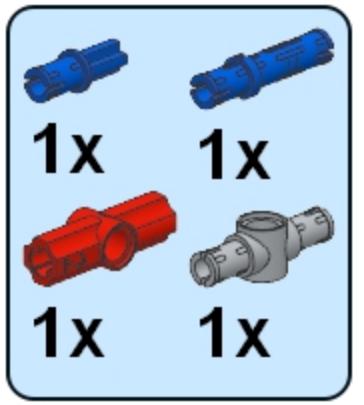
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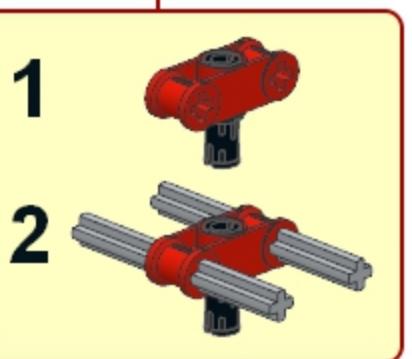
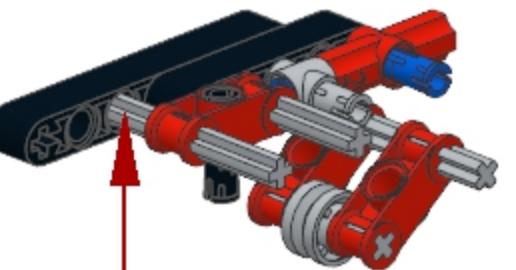
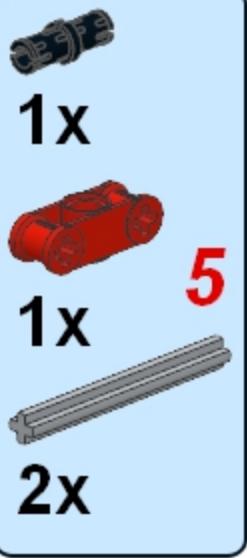
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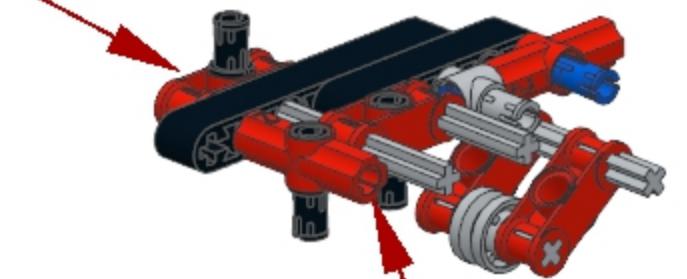
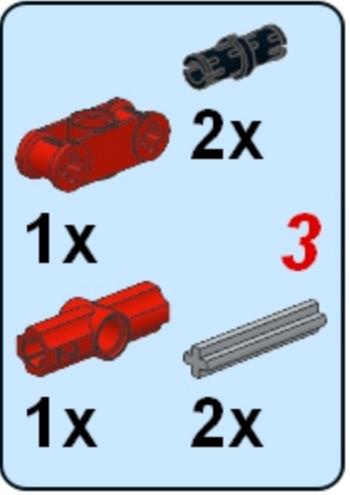
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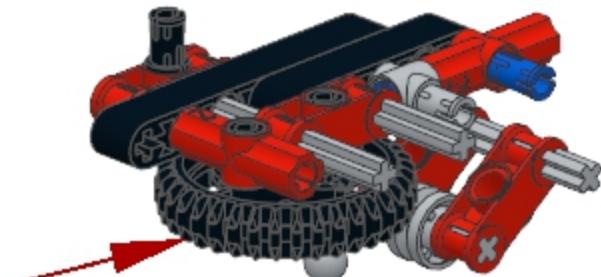
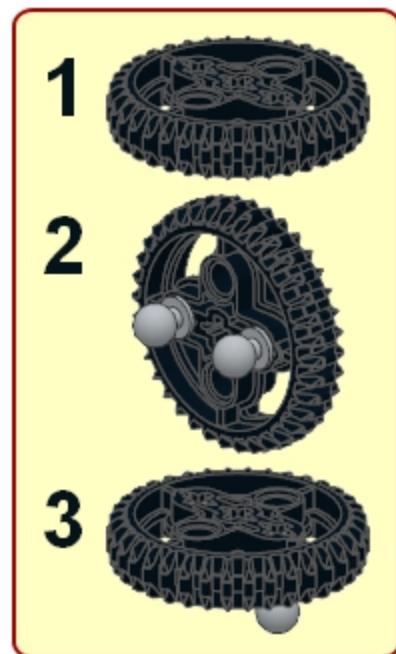
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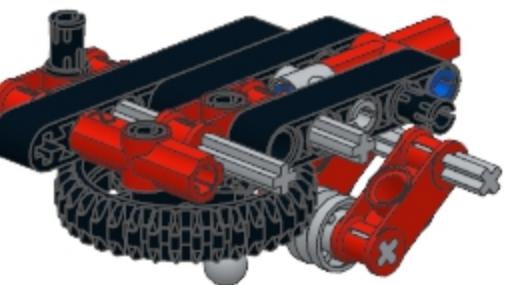
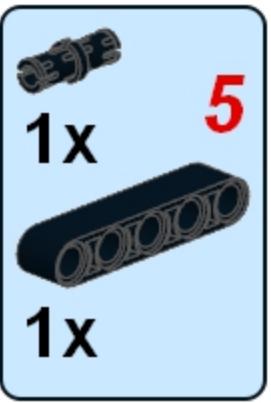
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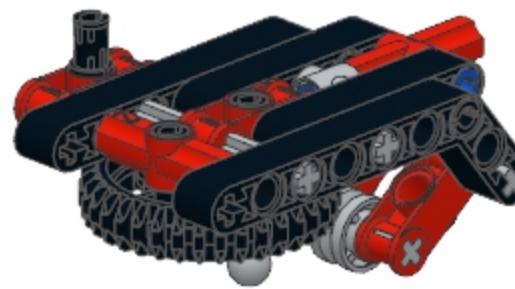
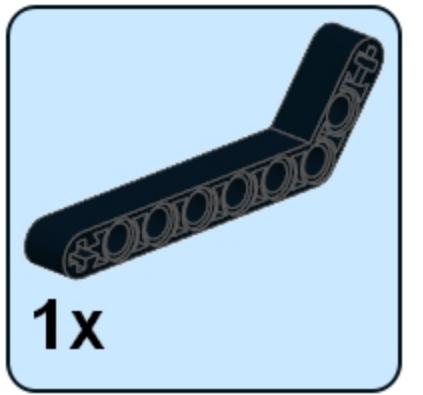
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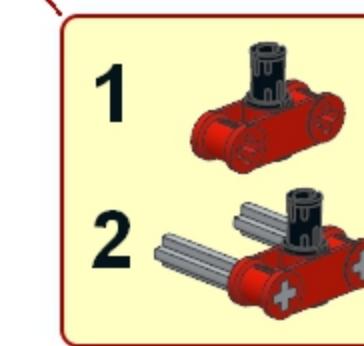
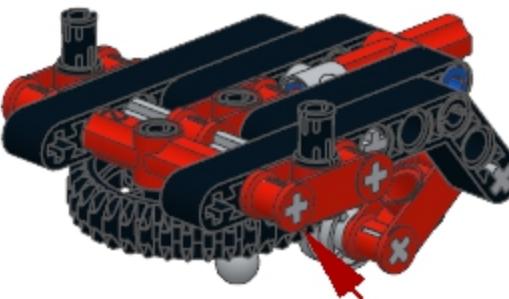
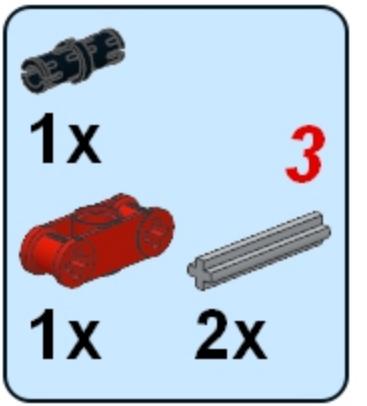
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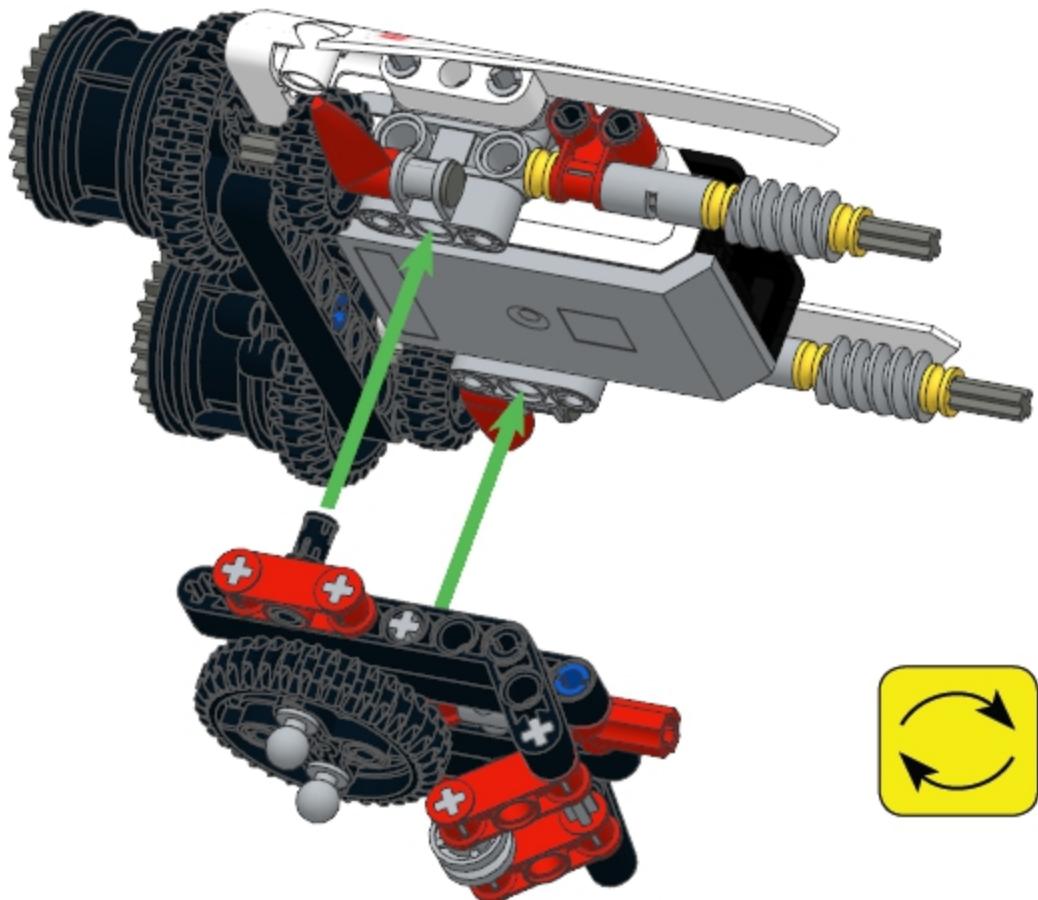
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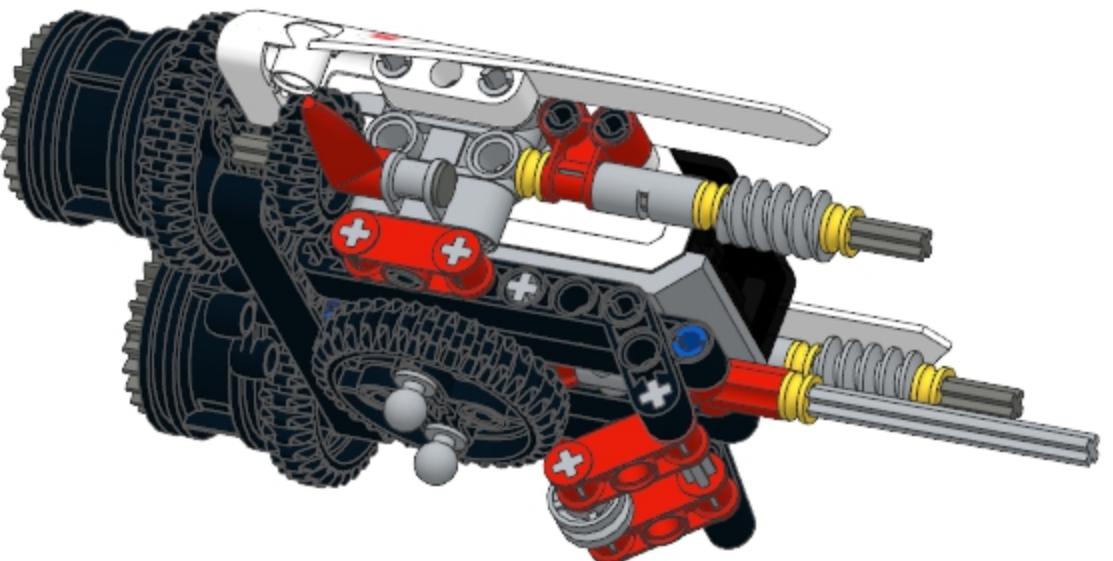
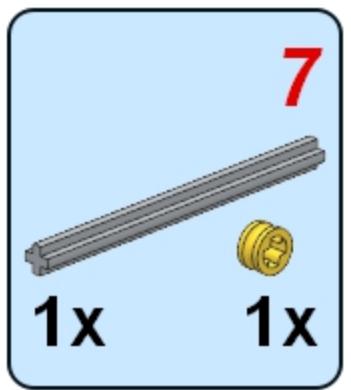
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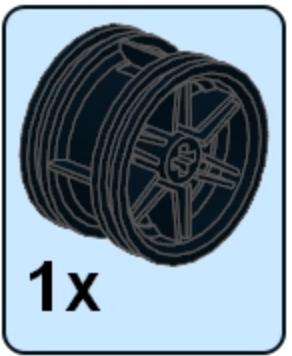
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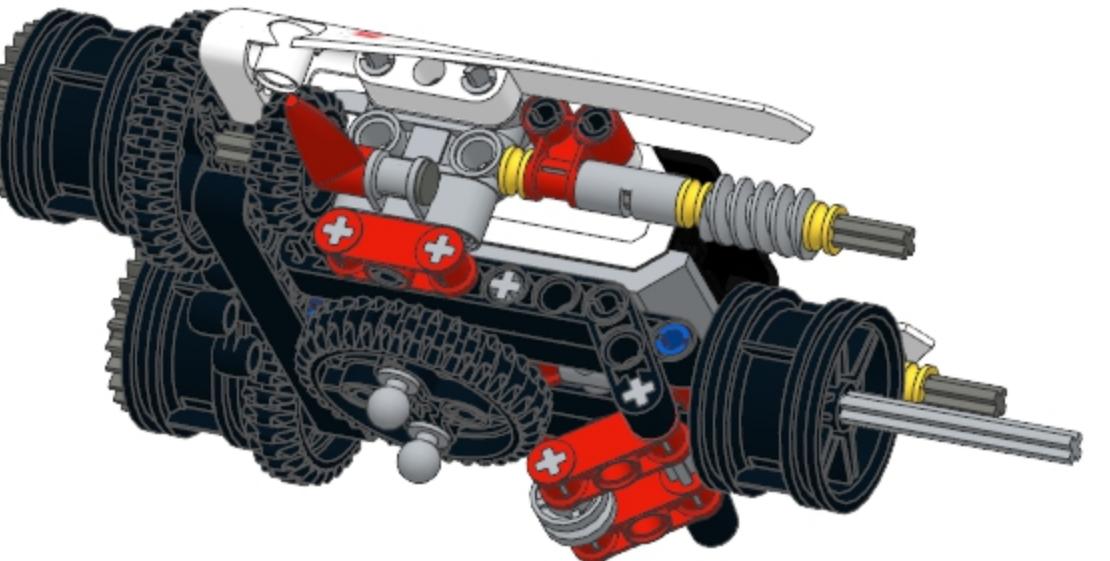
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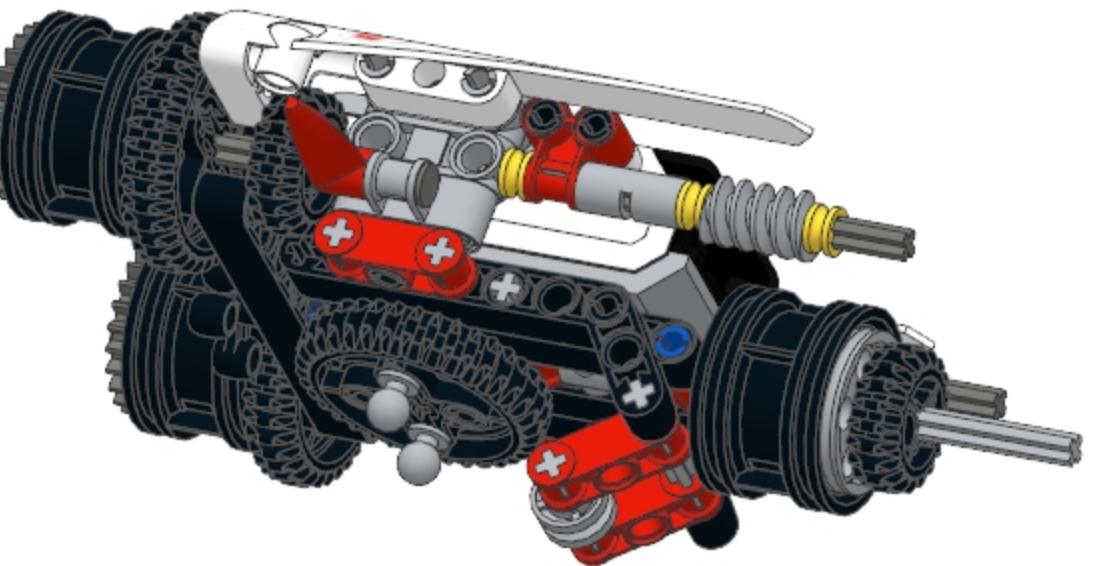
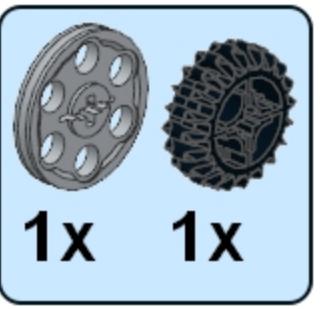
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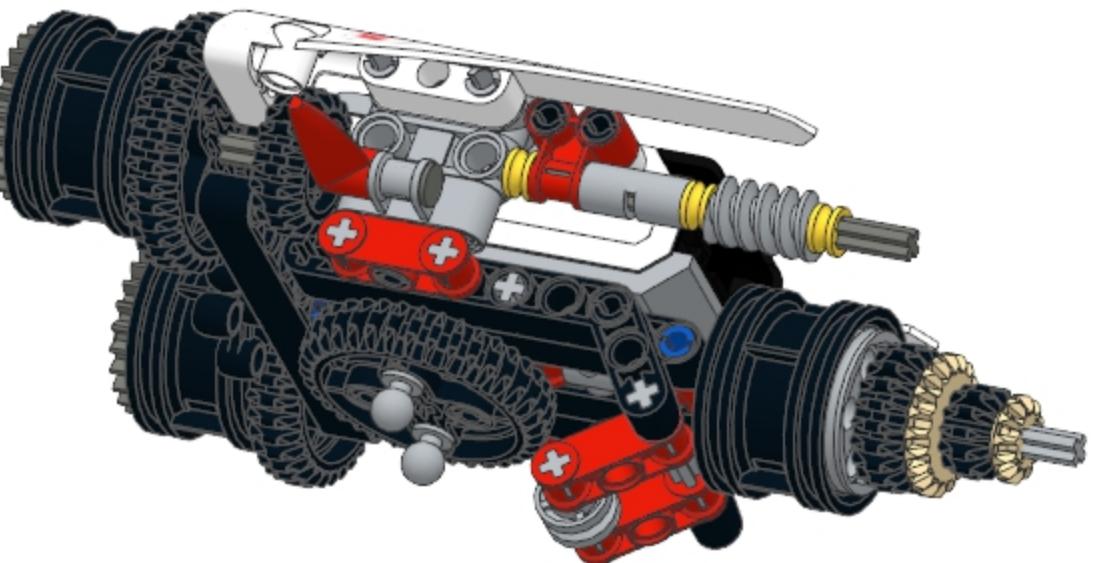
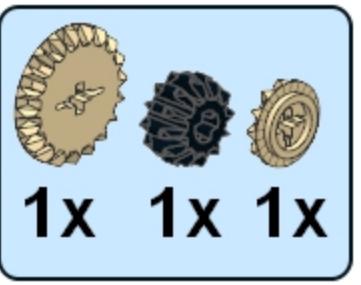
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**12**



**13**



14

