

Neighborhood Safety

Competition Announcement

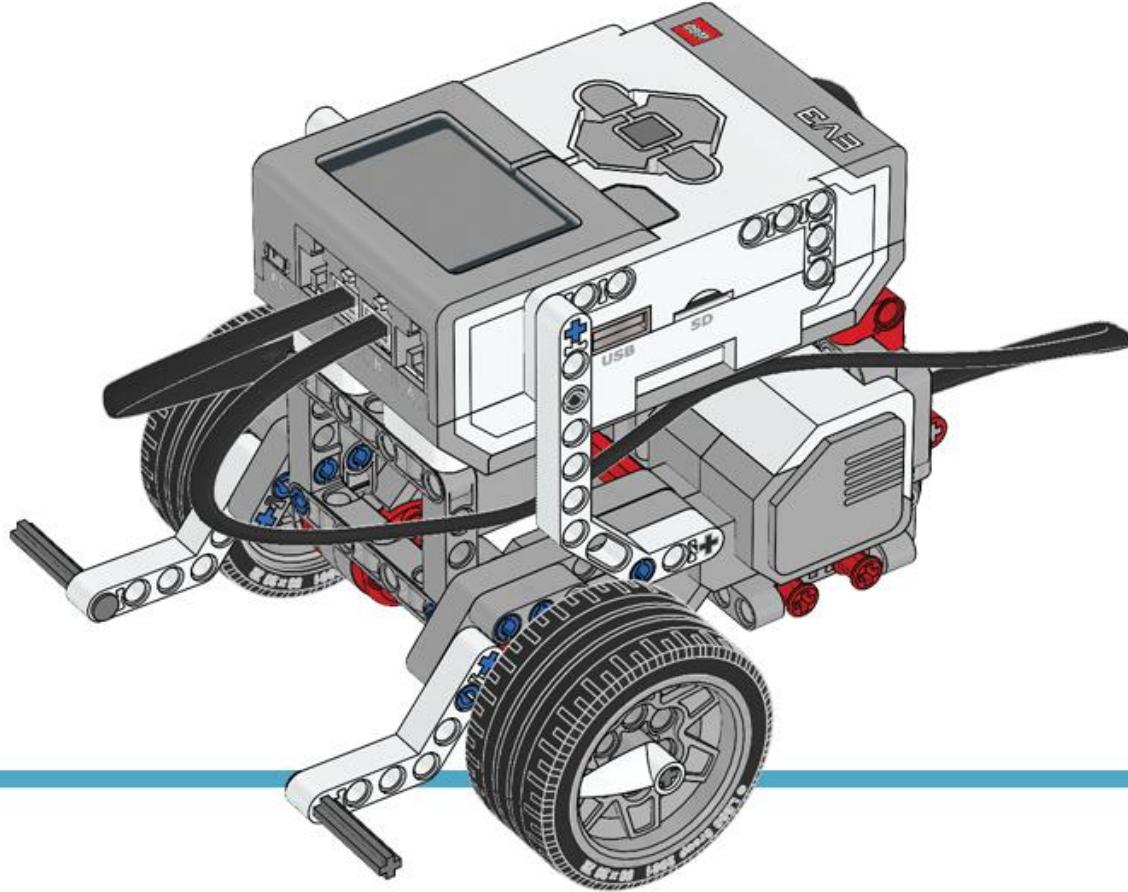


The participants in this competition are tasked with building and programming an autonomous ambulance. The ambulance will keep the neighborhood safe by driving around its route and picking up anybody who needs help. The ambulance will be built from the 'Robot Educator' driving base, as well as the color sensor and the ultrasonic sensor, and the medium motor.

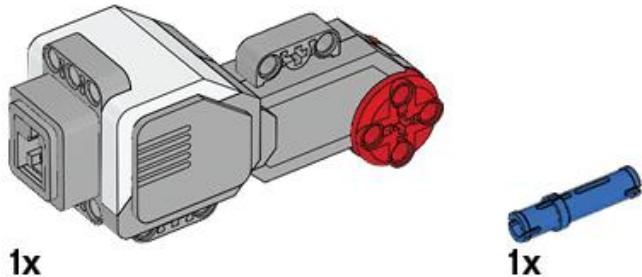
Important concepts for completing the competition include: loops, switches, variables, color and ultrasonic sensors, wait blocks, and motor movements. Student will also complete challenges in order to prepare them.

On Sunday, the 1st of November, the participants will bring home a kit. They will be responsible for building the robots and bringing them to the competition.

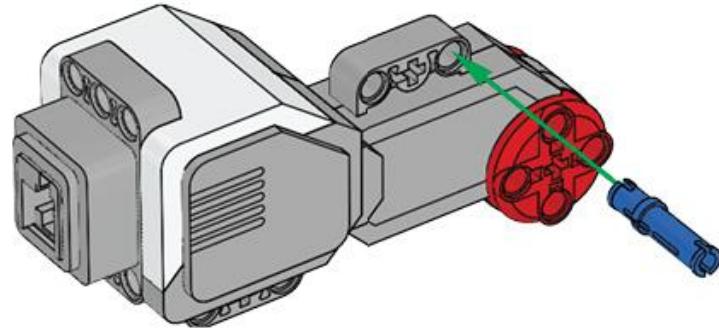
Participants will first assemble the driving base, and then add on the color sensor (facing downwards), the ultrasonic sensor, and the medium motor with arm.

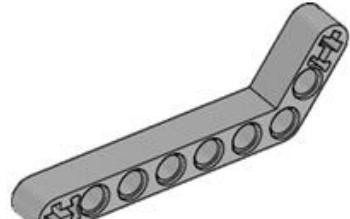


LEGO **MINDSTORMS**
education **EV3**



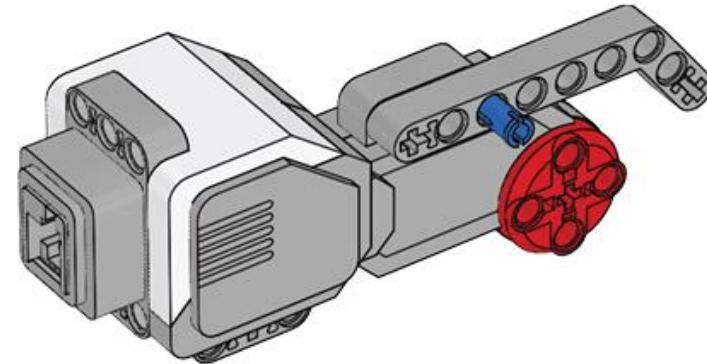
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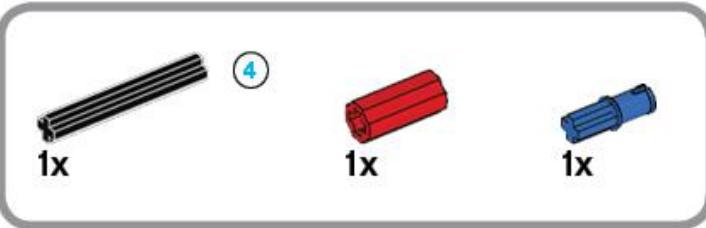




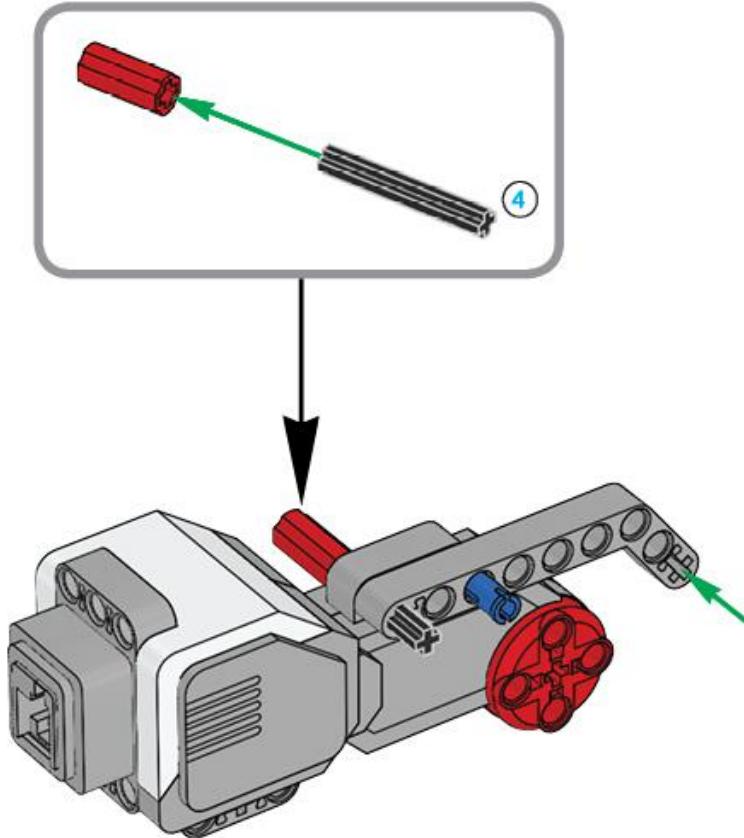
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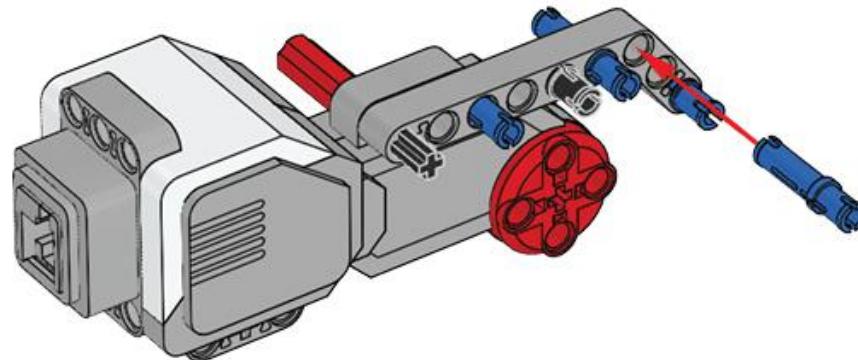


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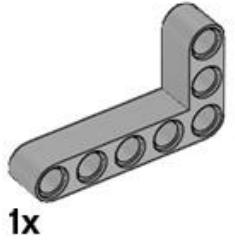


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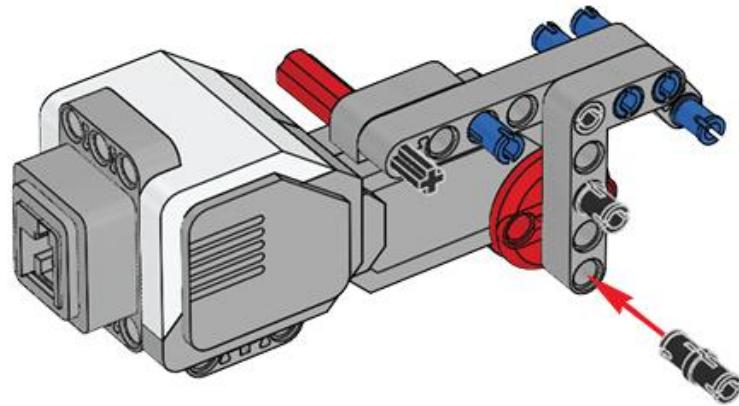


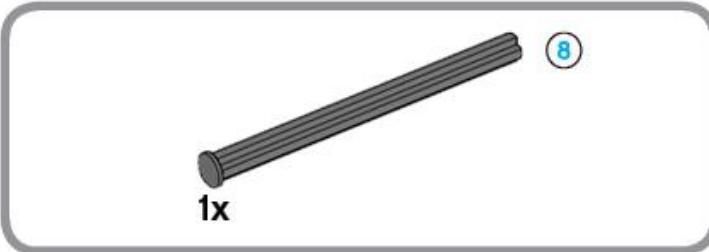
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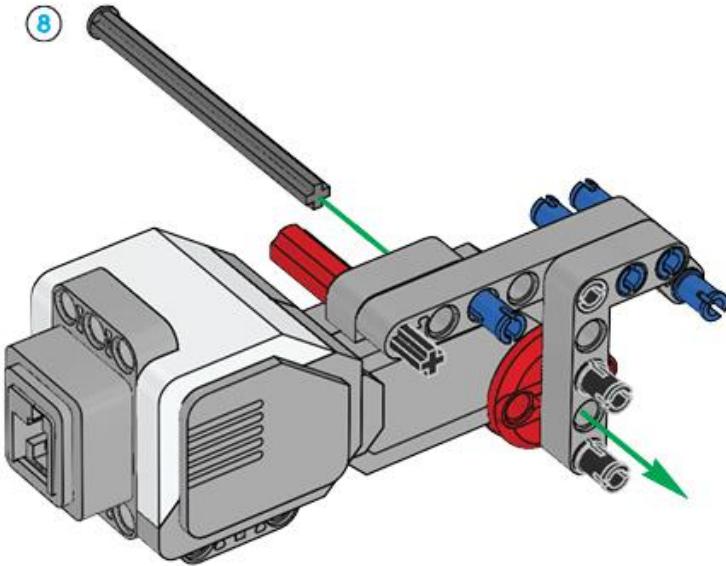
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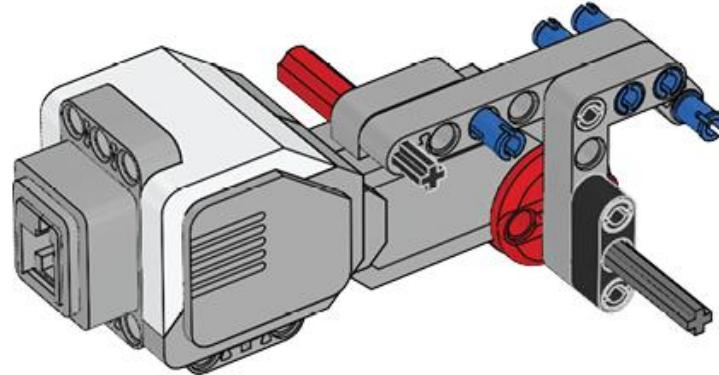
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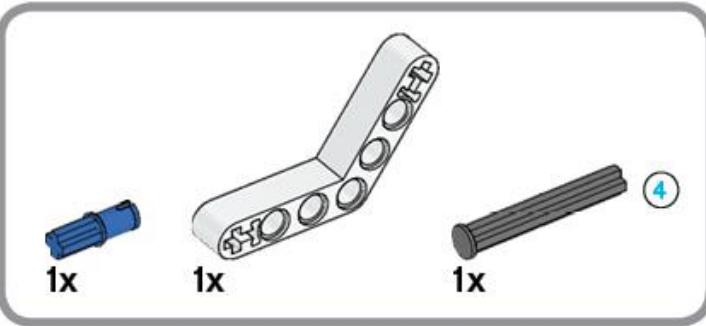




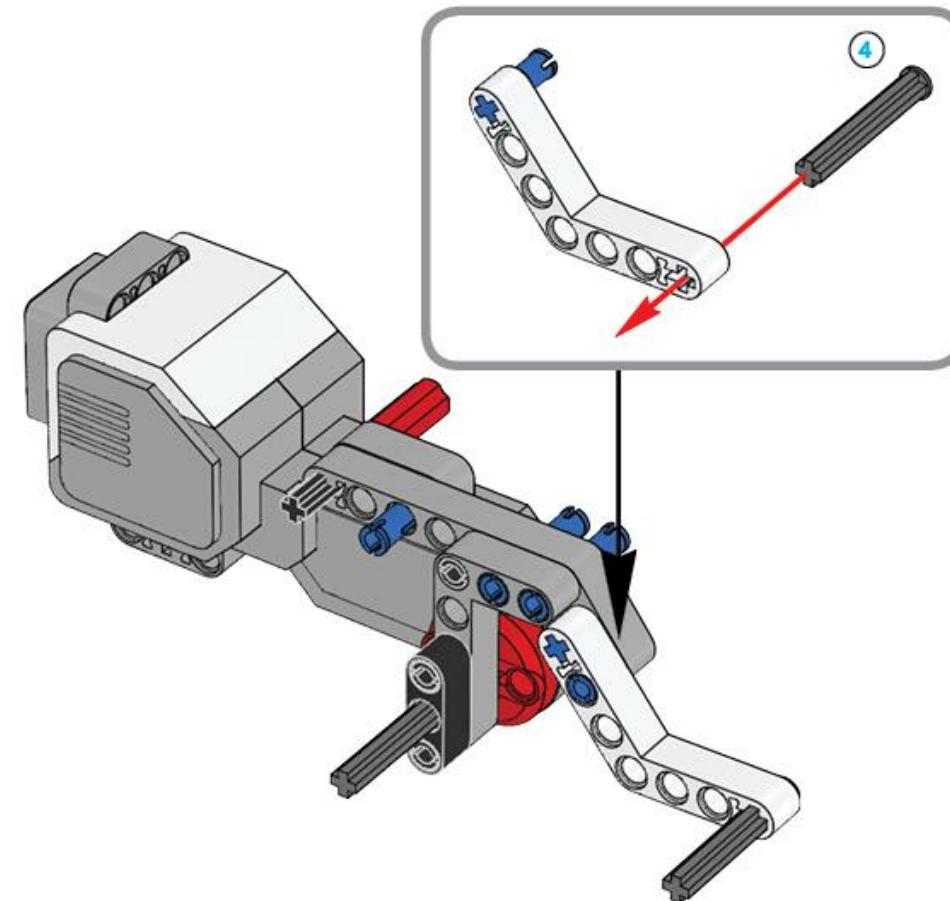
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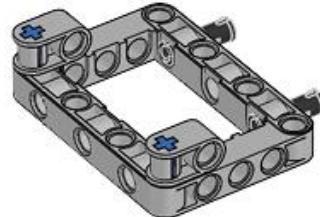
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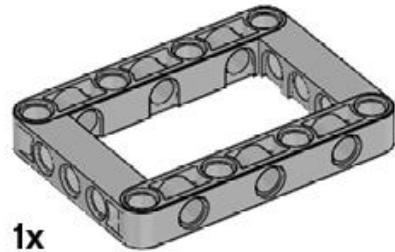
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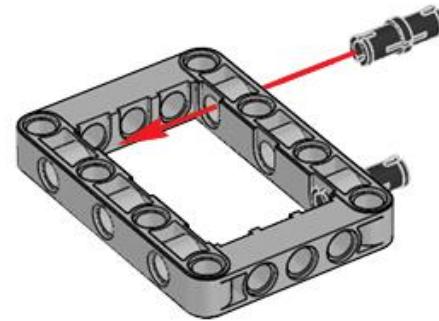


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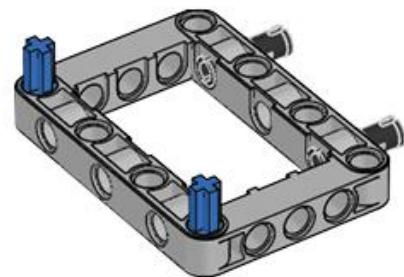
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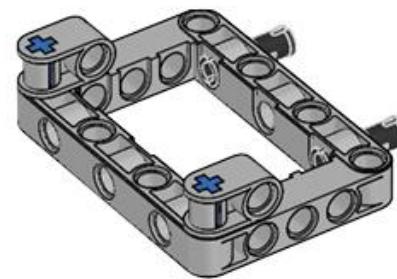
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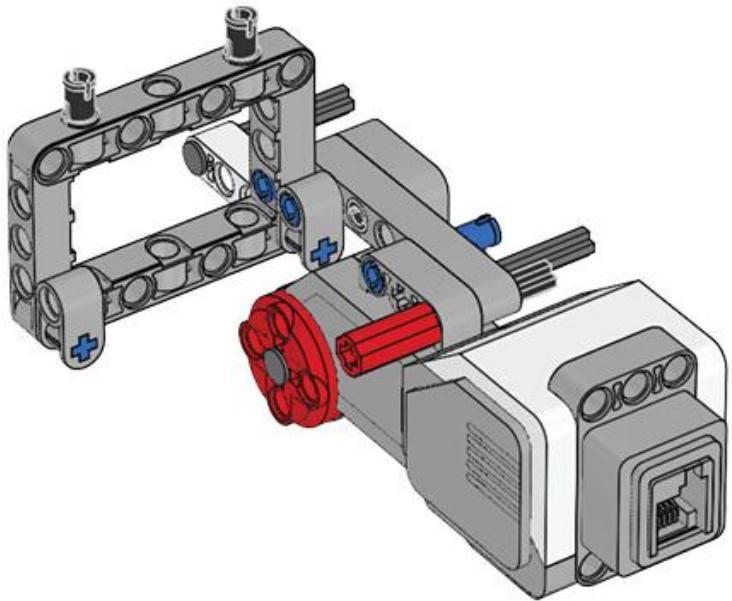


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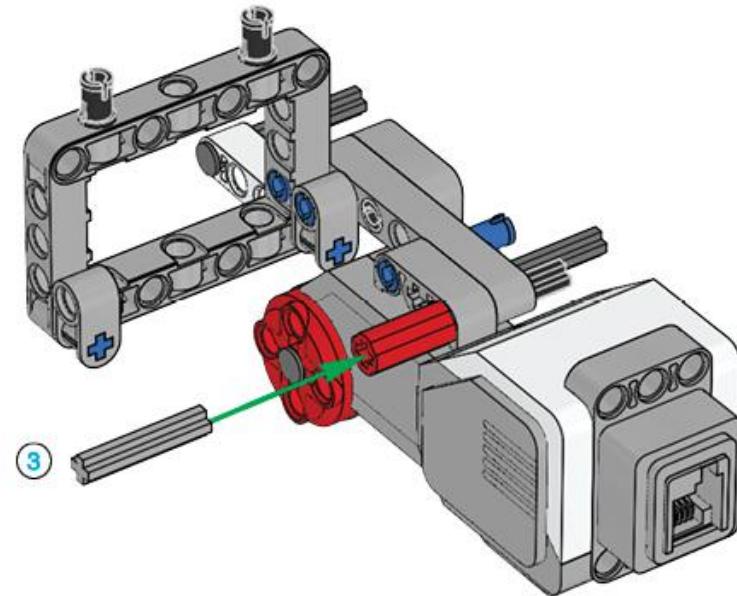
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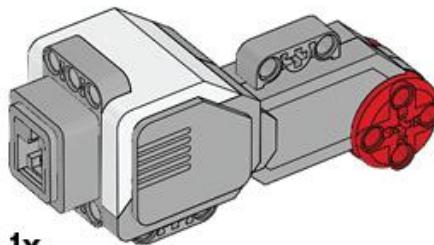
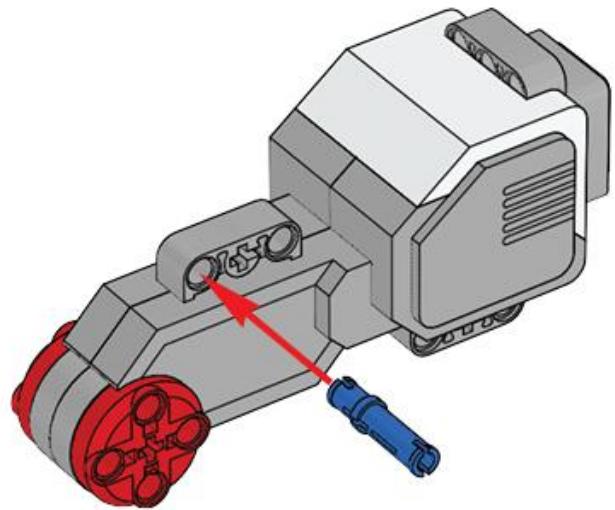
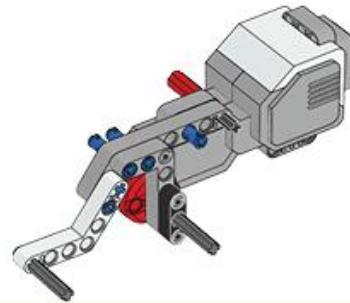


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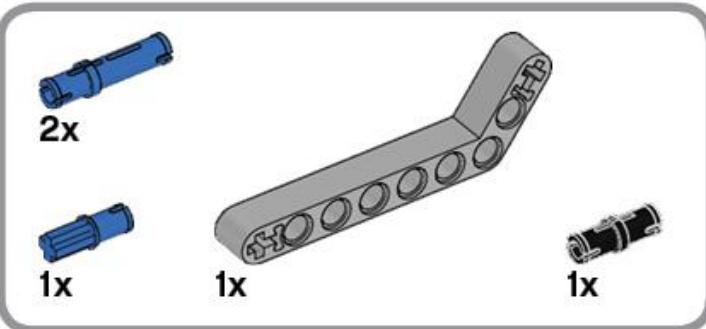
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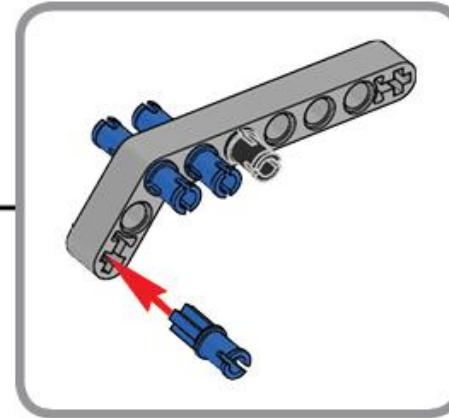
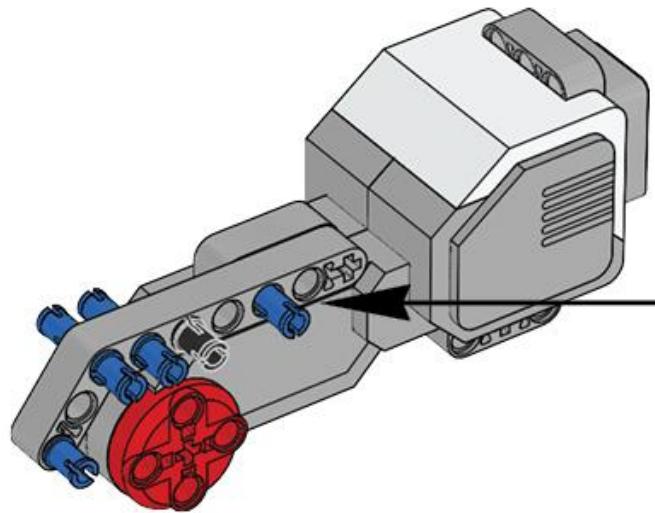


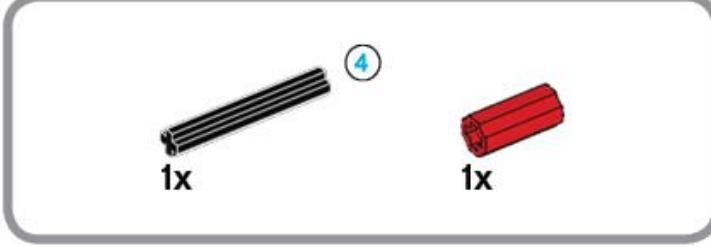
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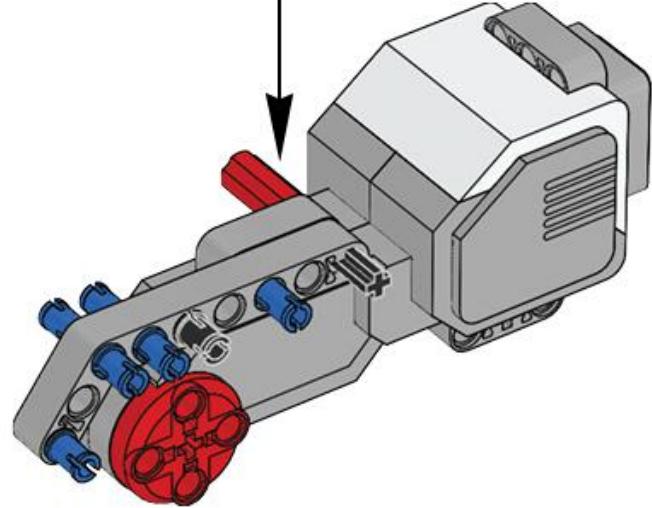
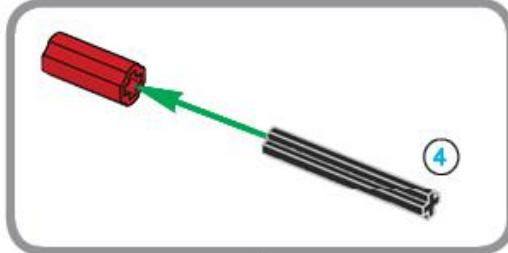


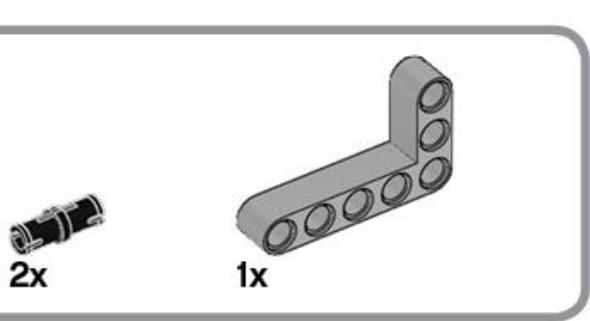
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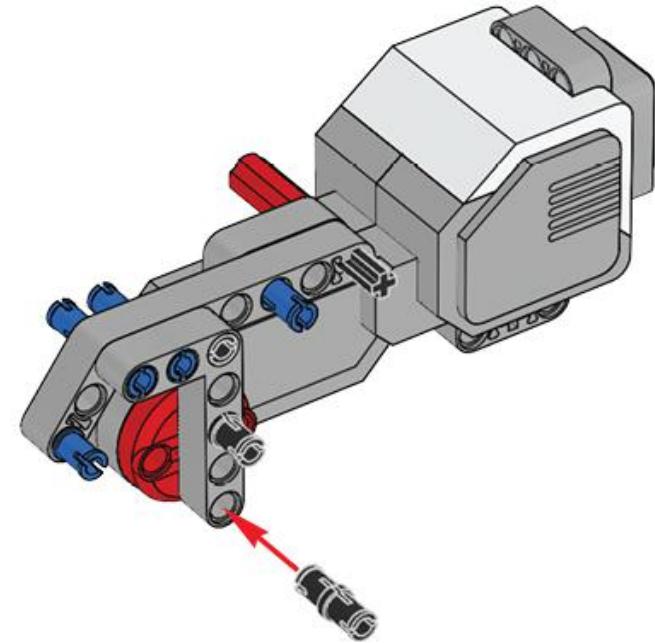


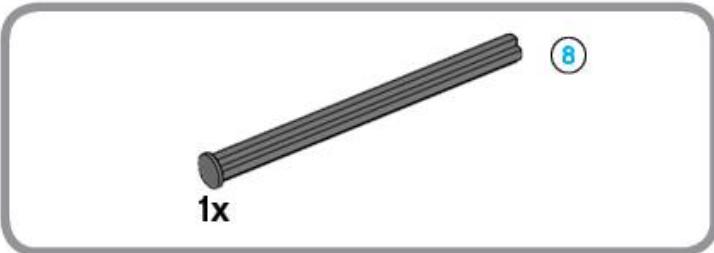
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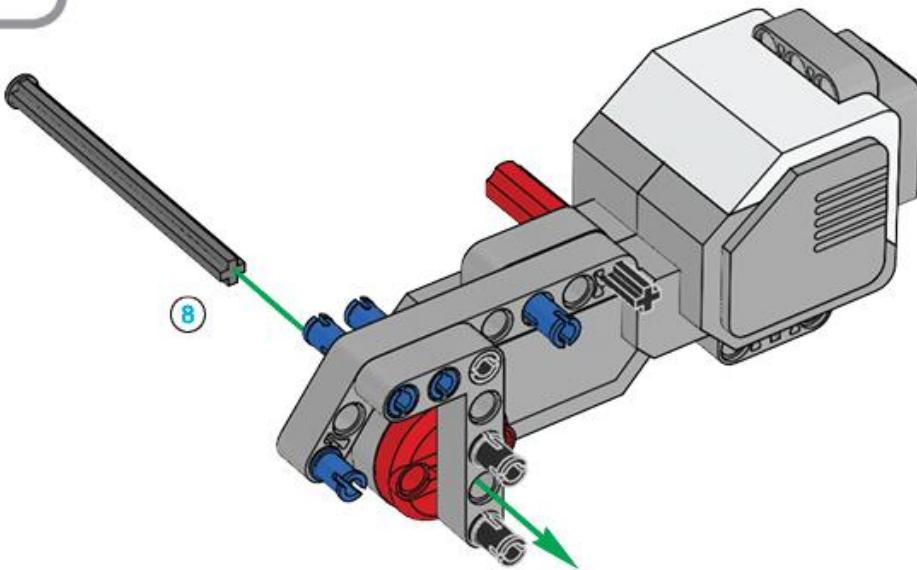


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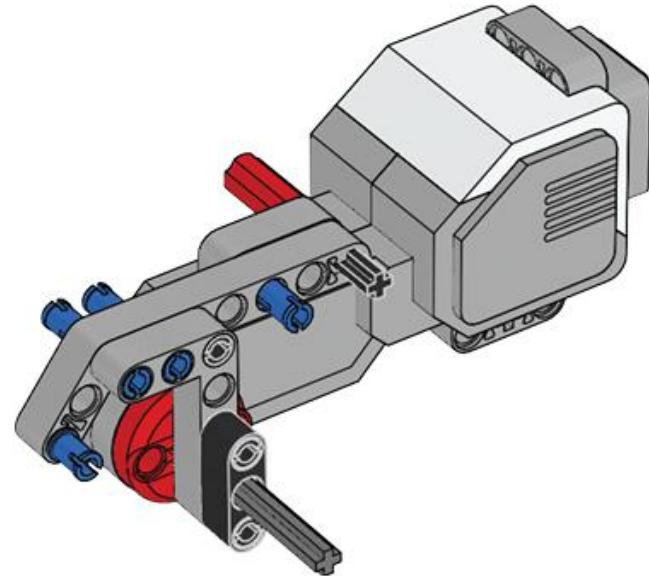
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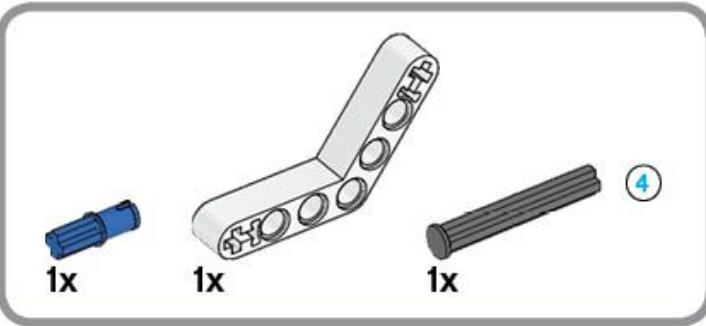




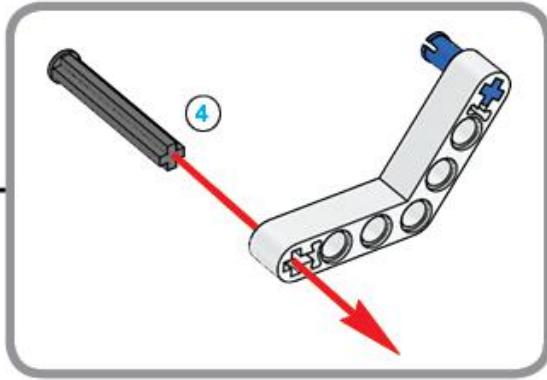
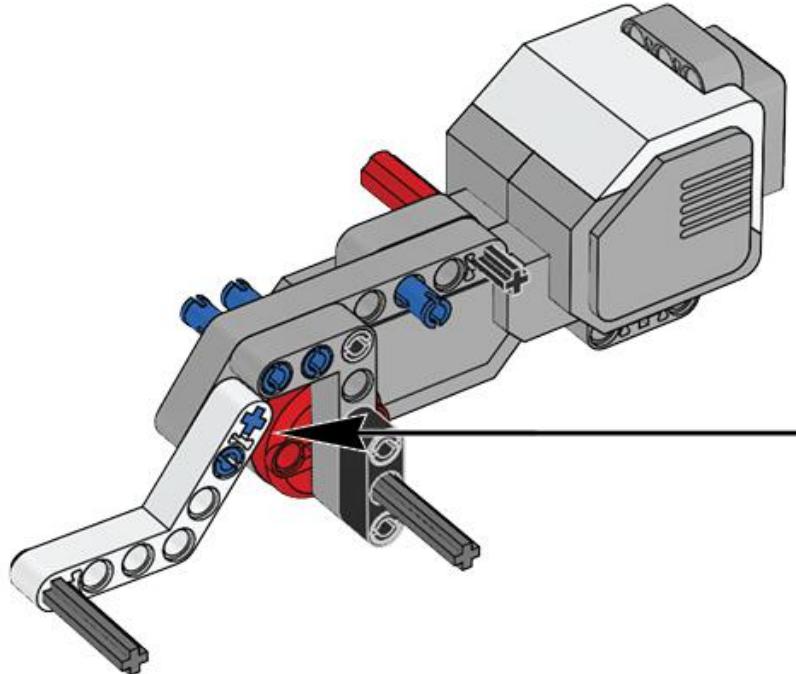
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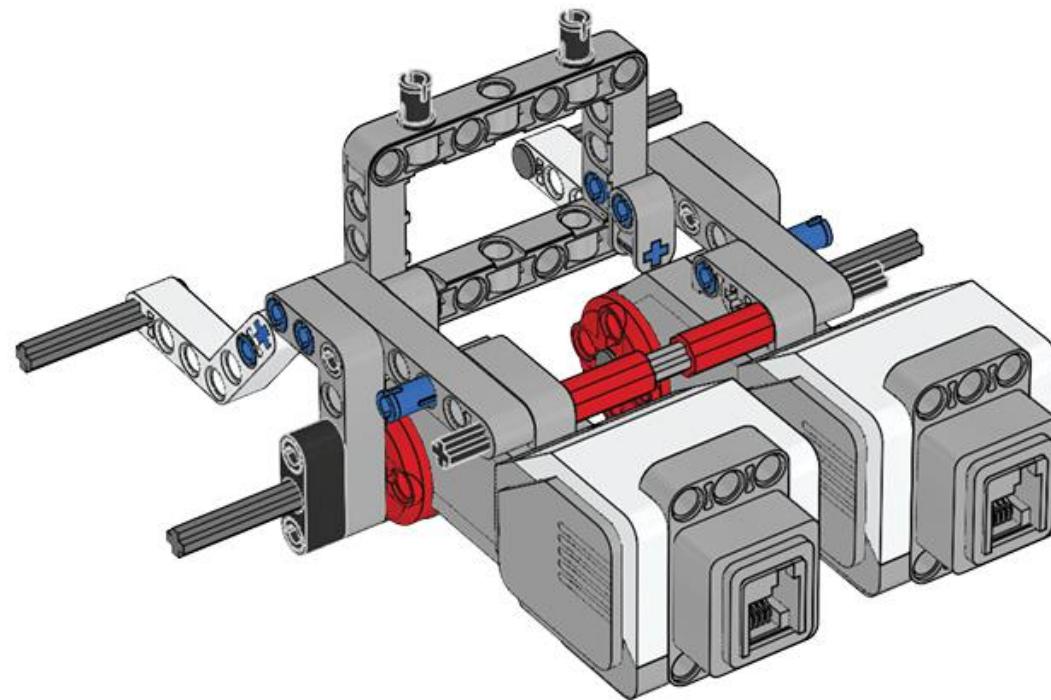


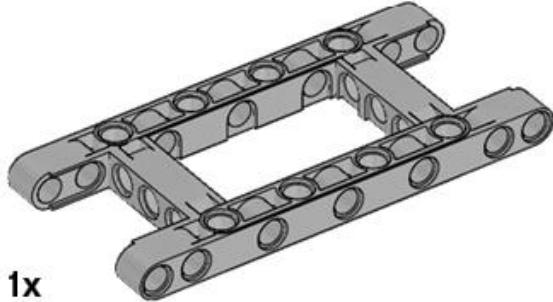


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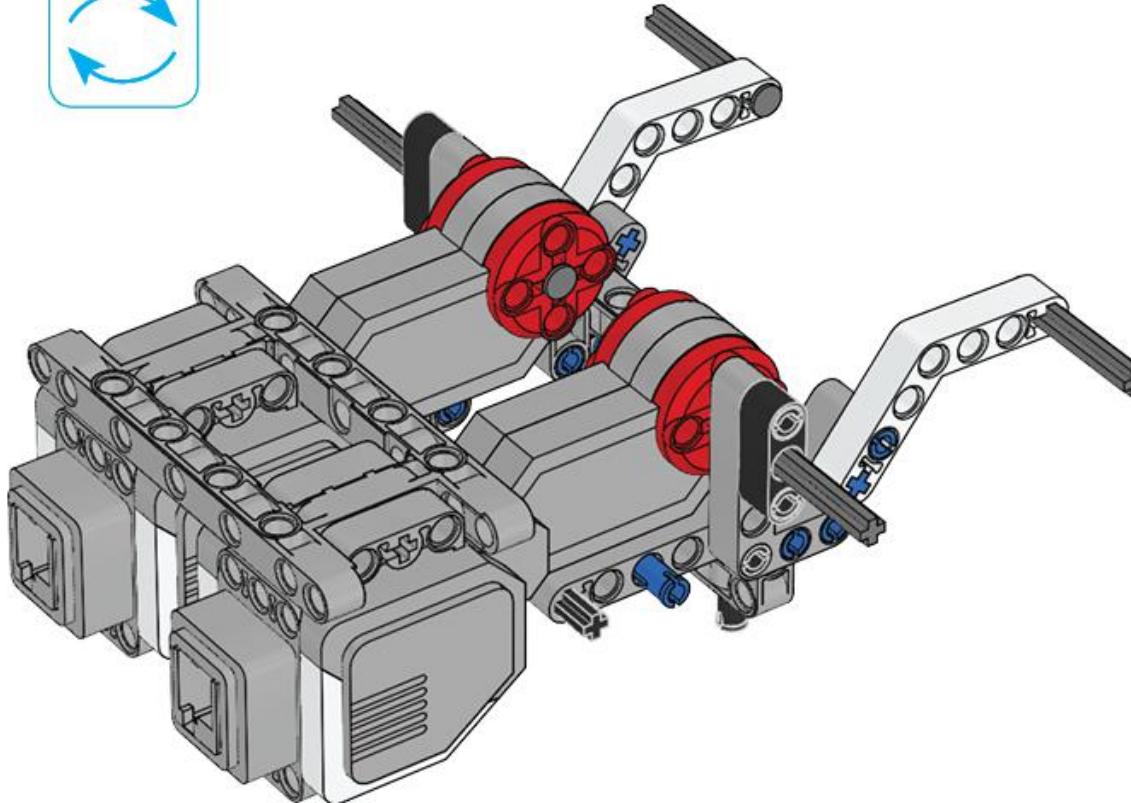


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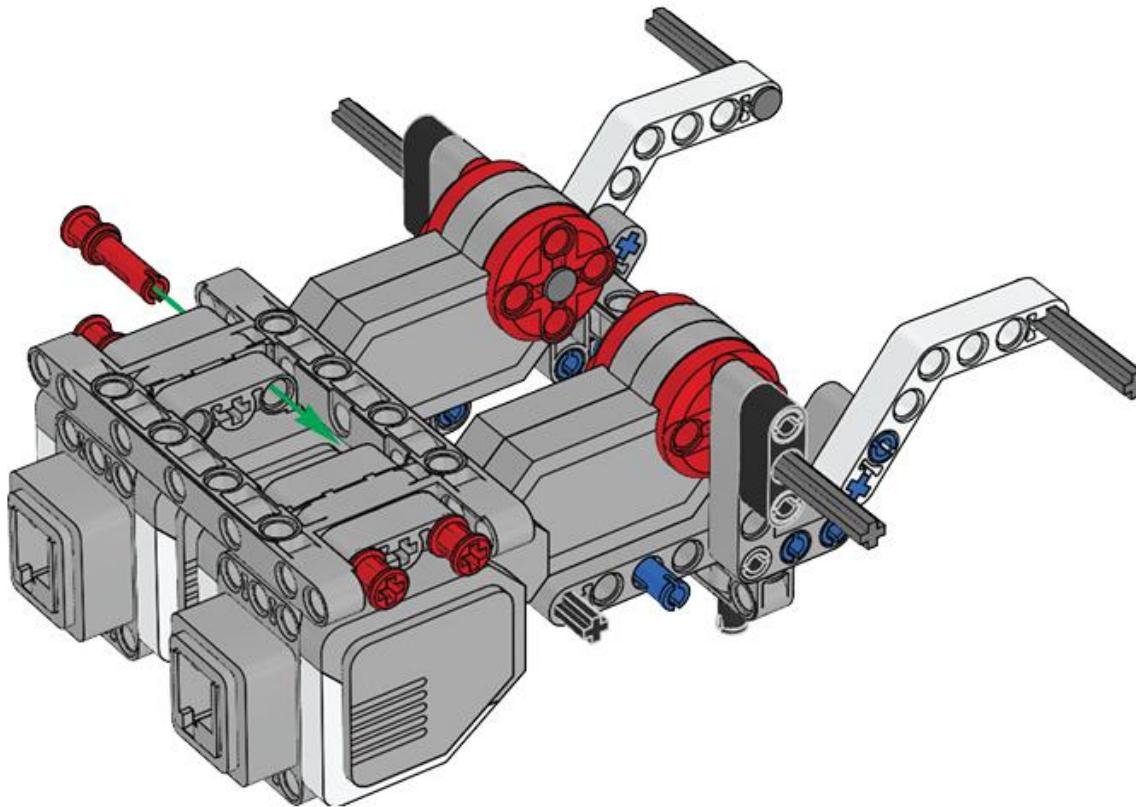
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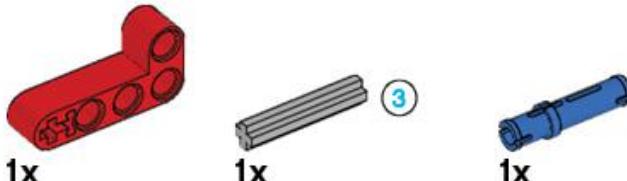
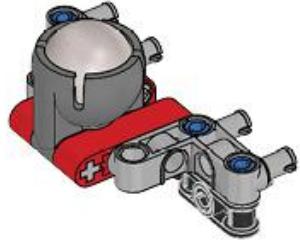


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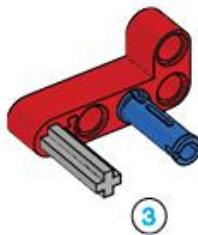


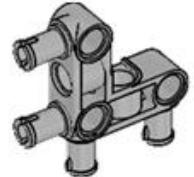
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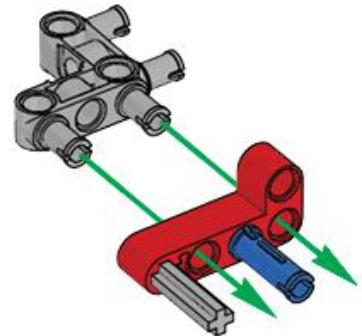
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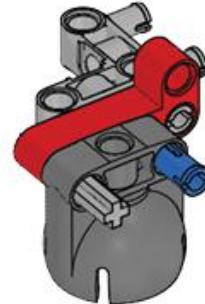
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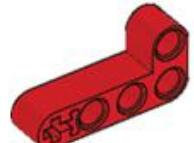




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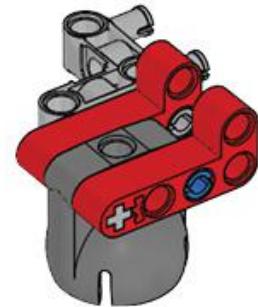
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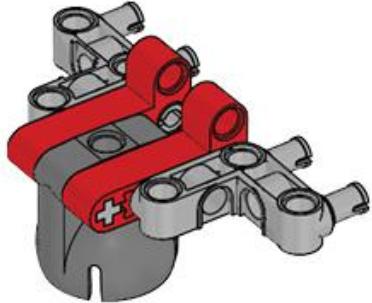
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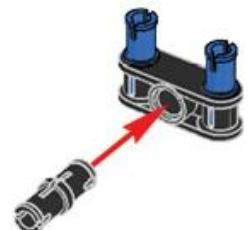


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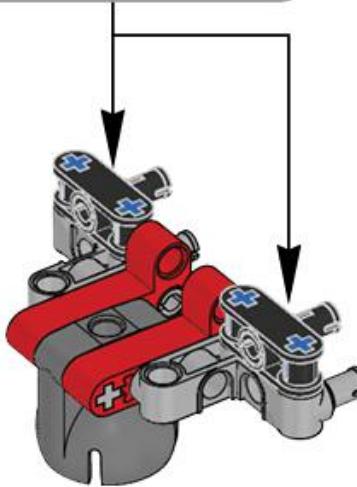


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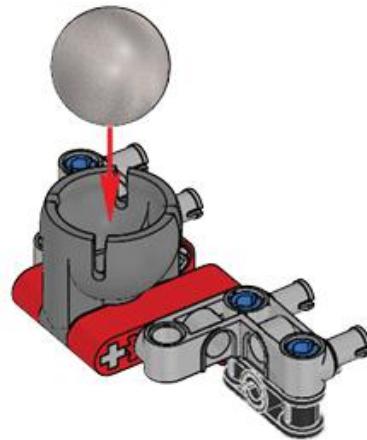
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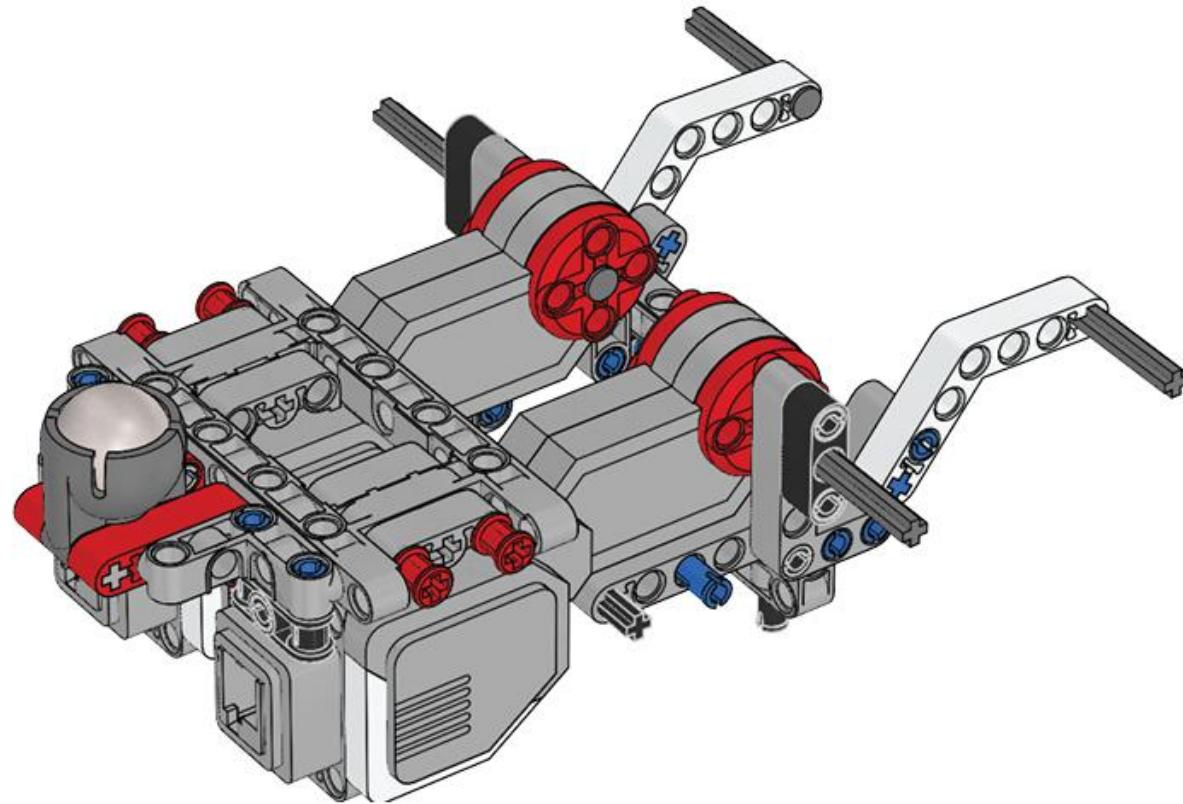


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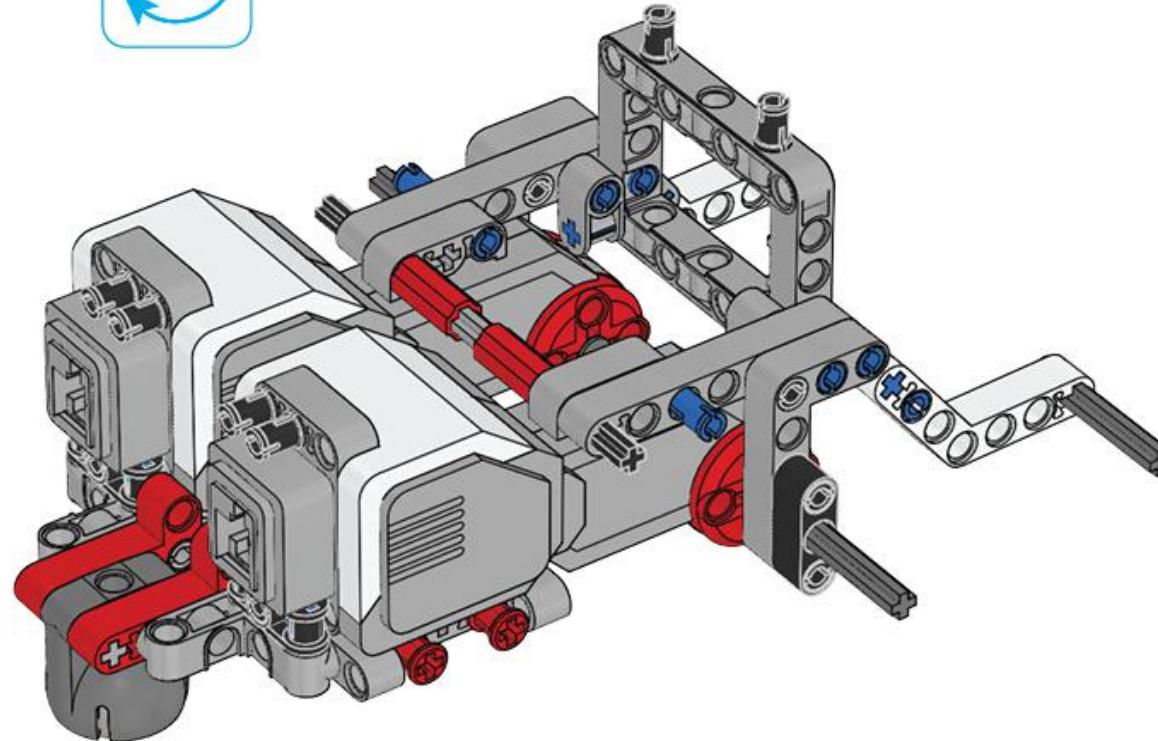
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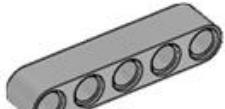


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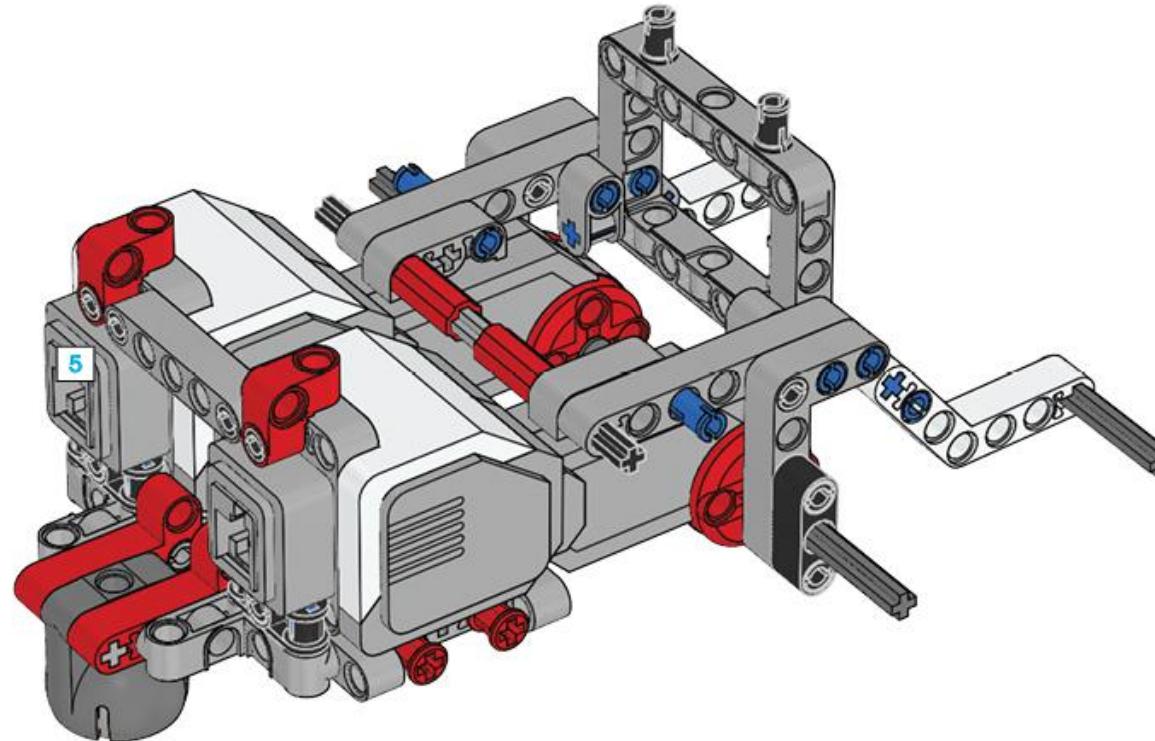
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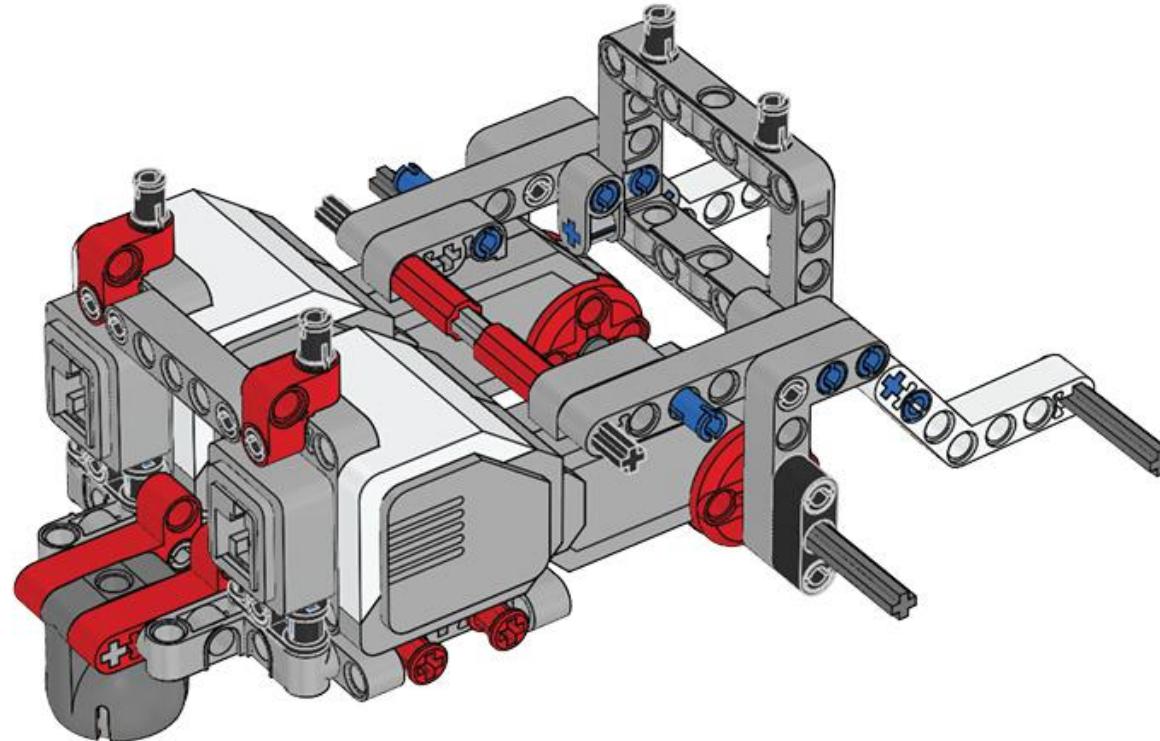


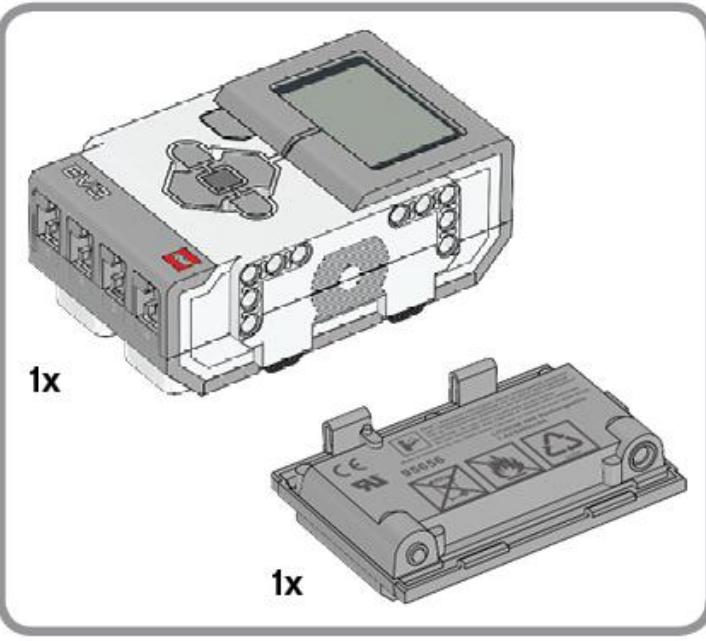
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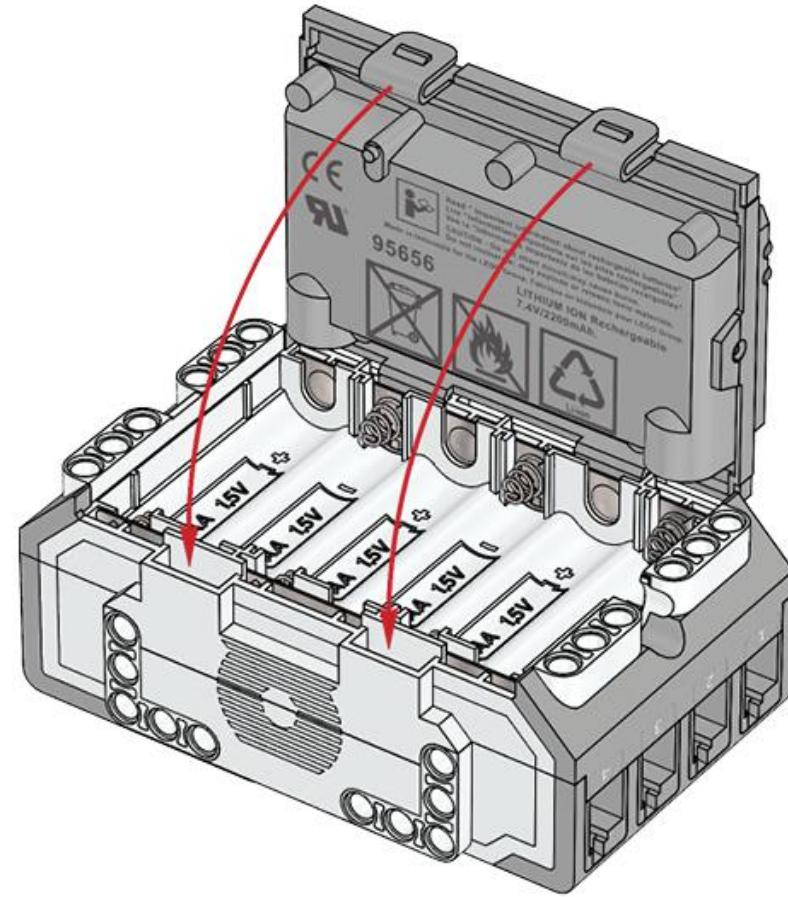


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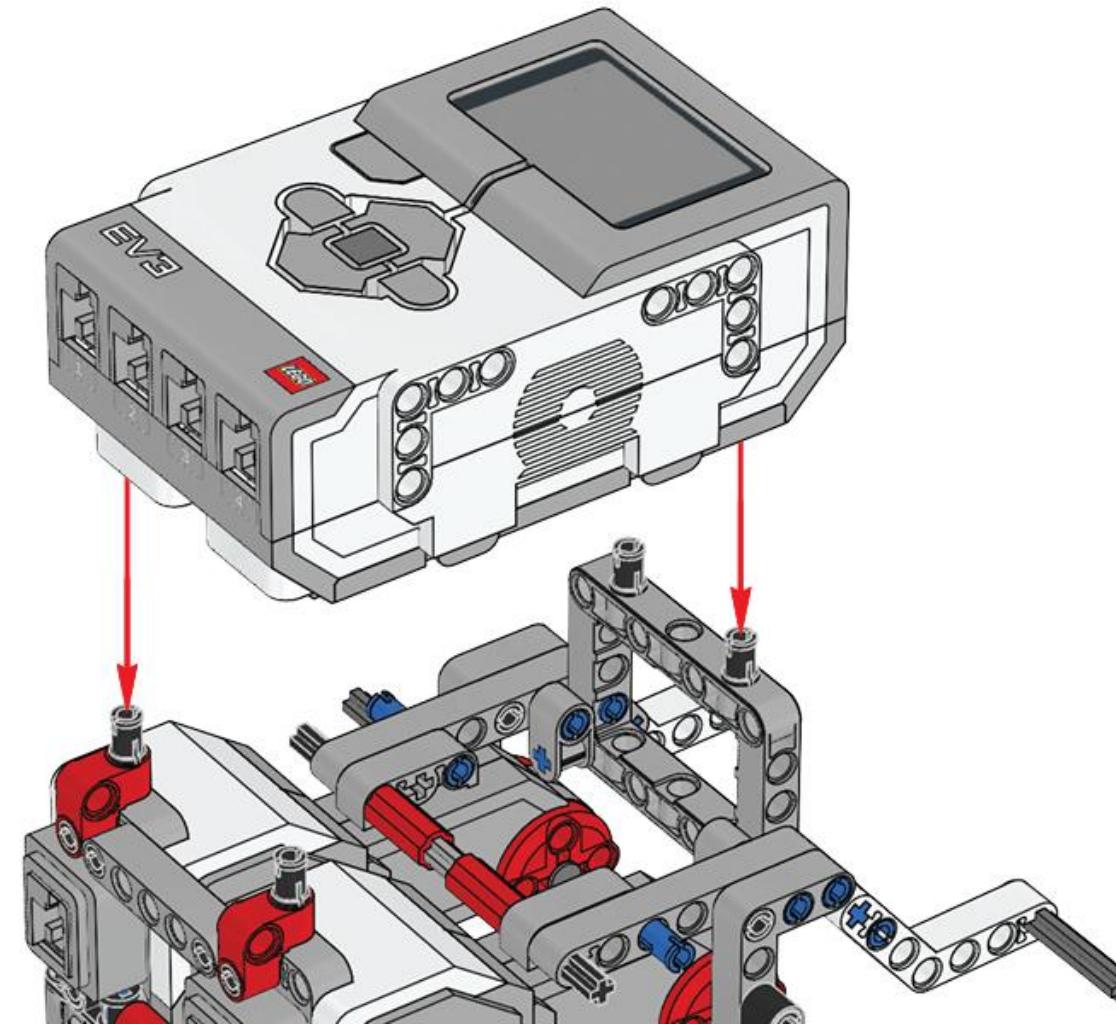


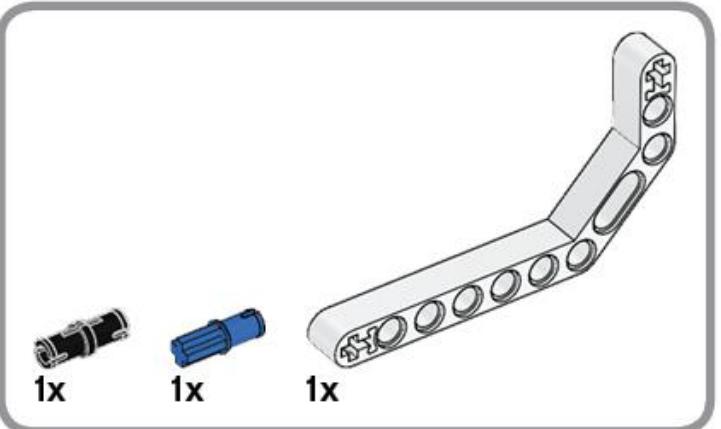


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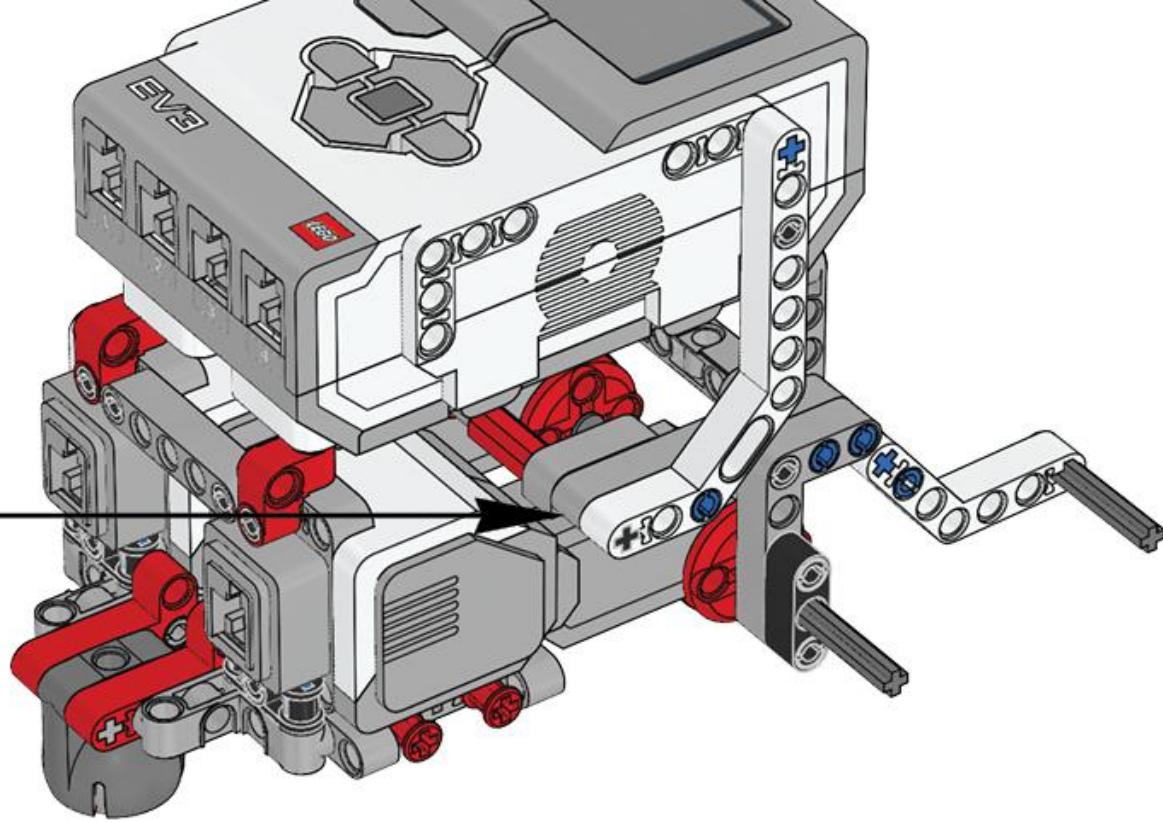
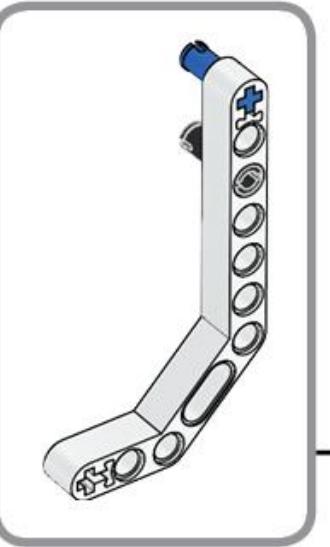


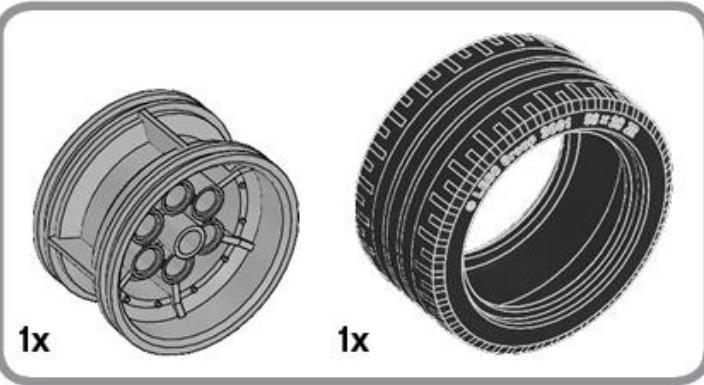
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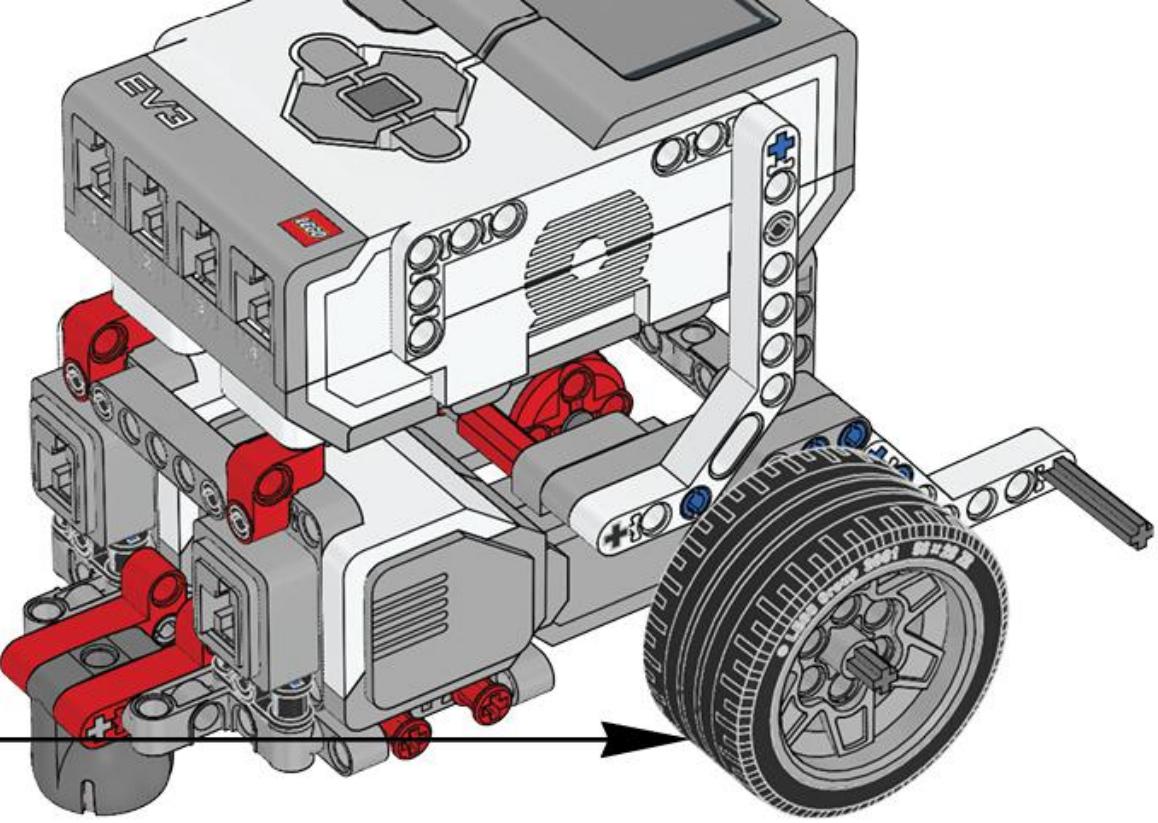
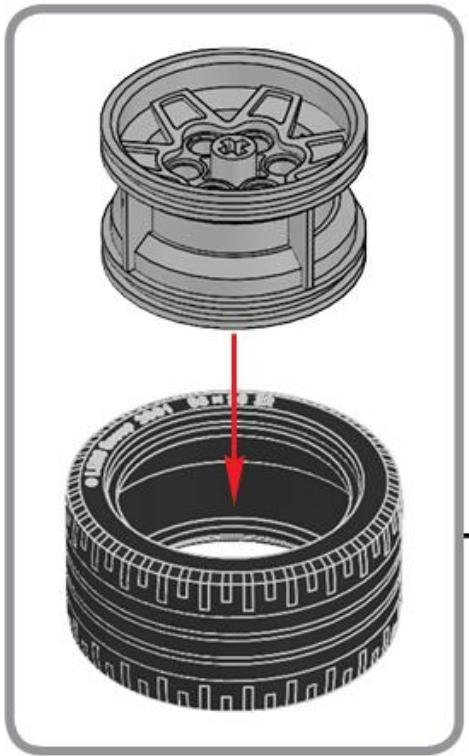


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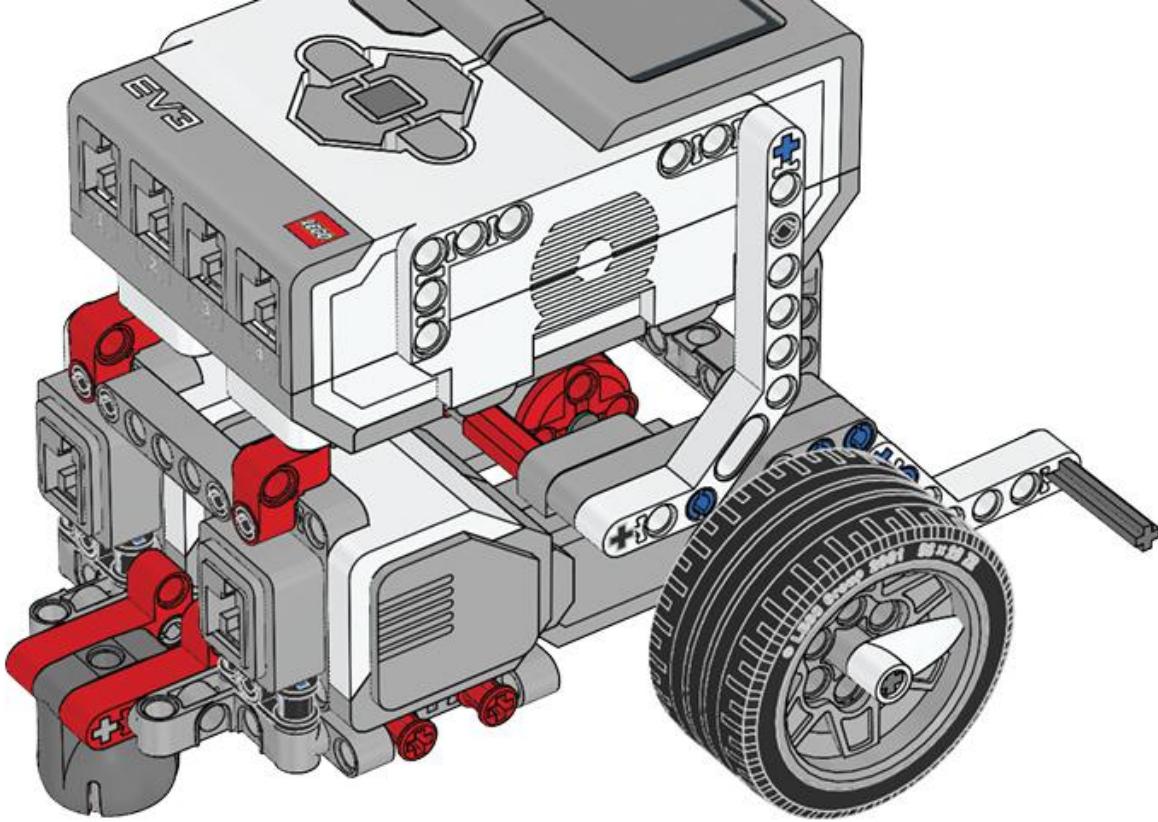
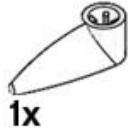


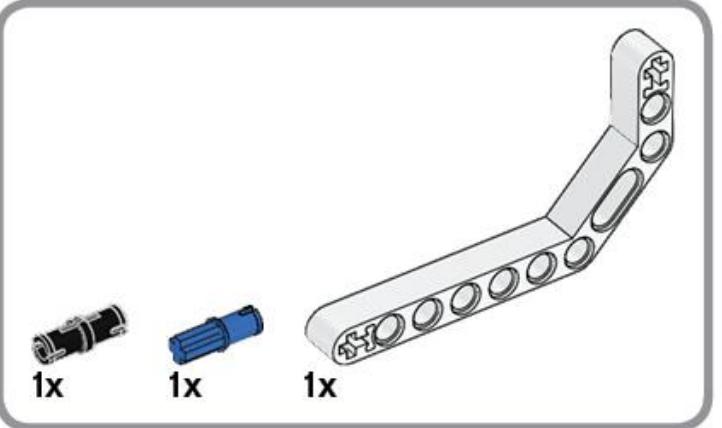


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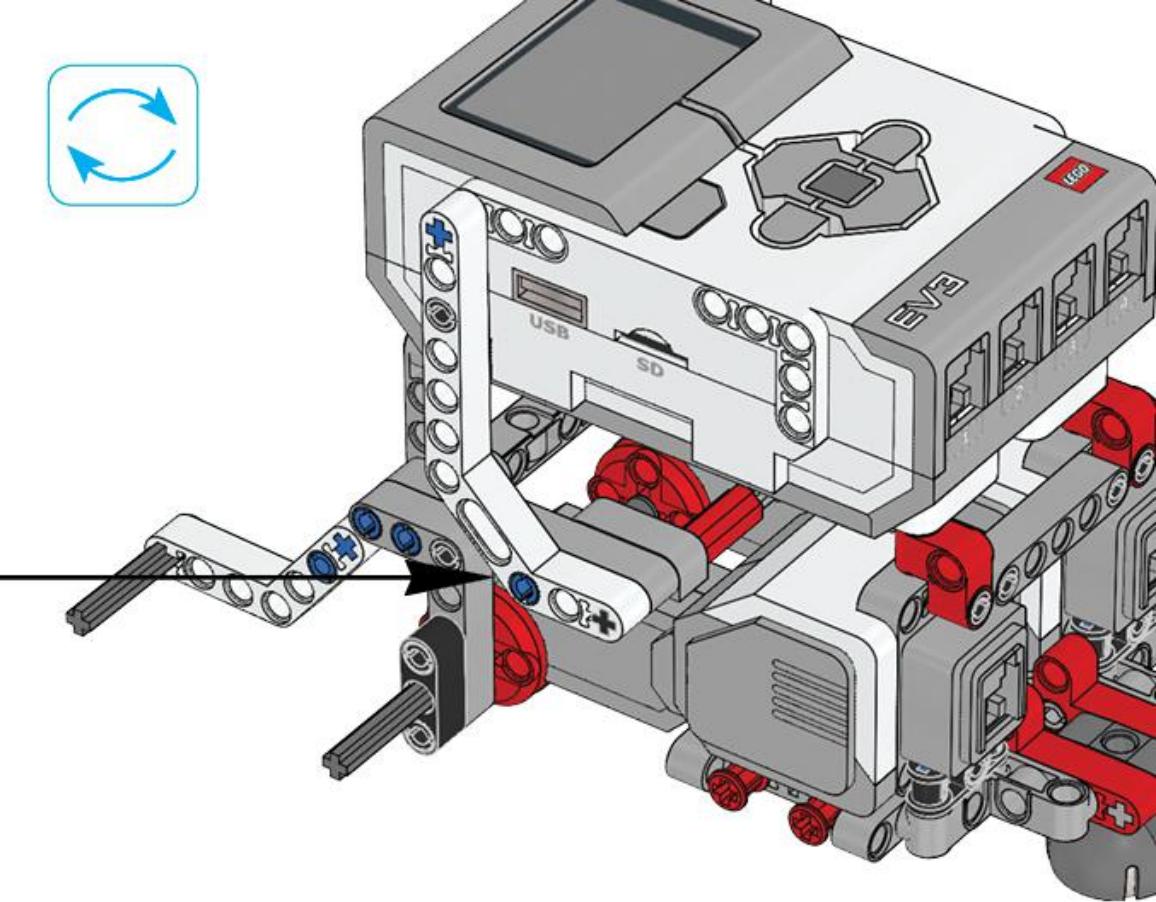
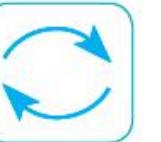
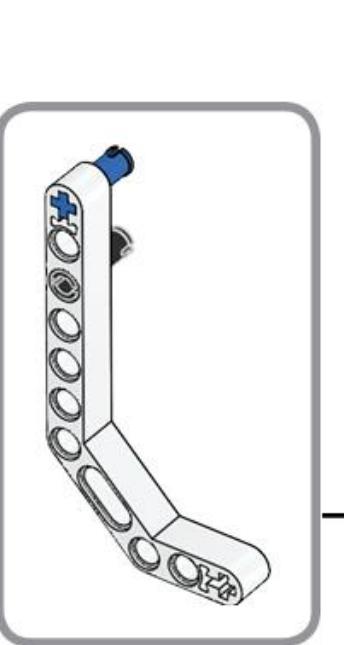


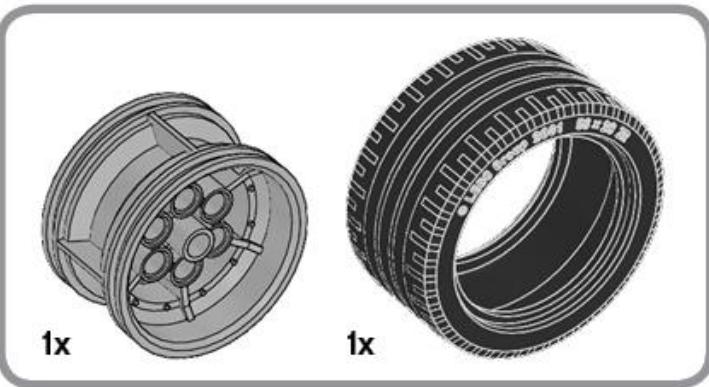
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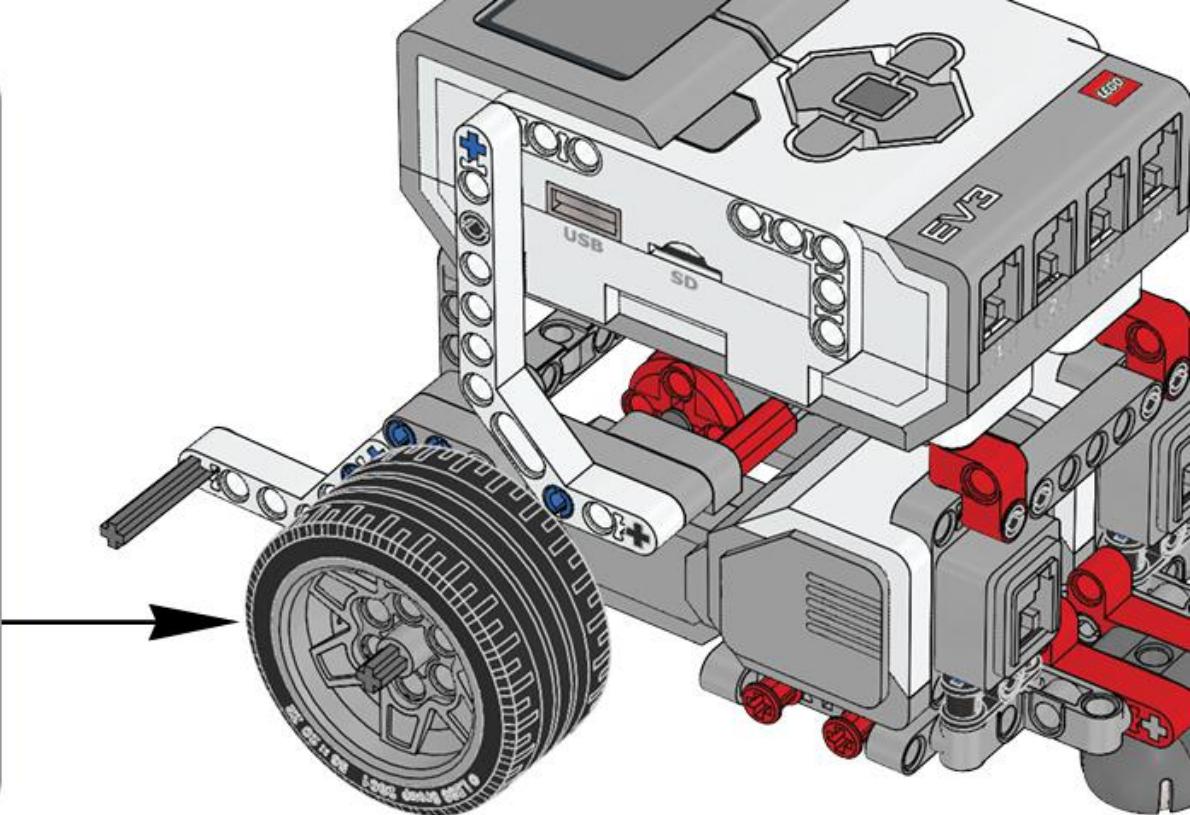
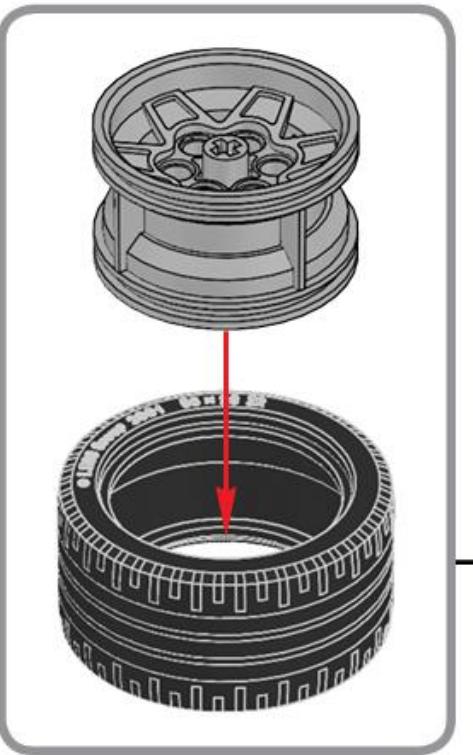


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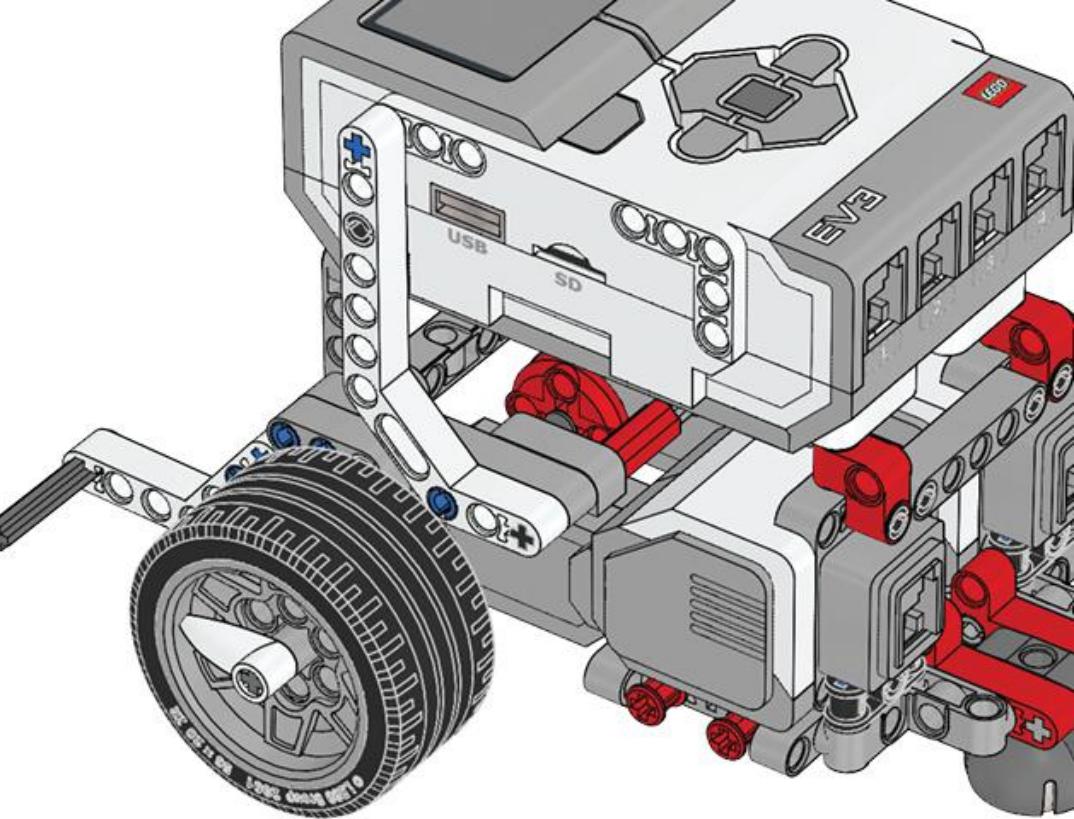
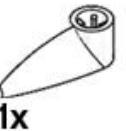




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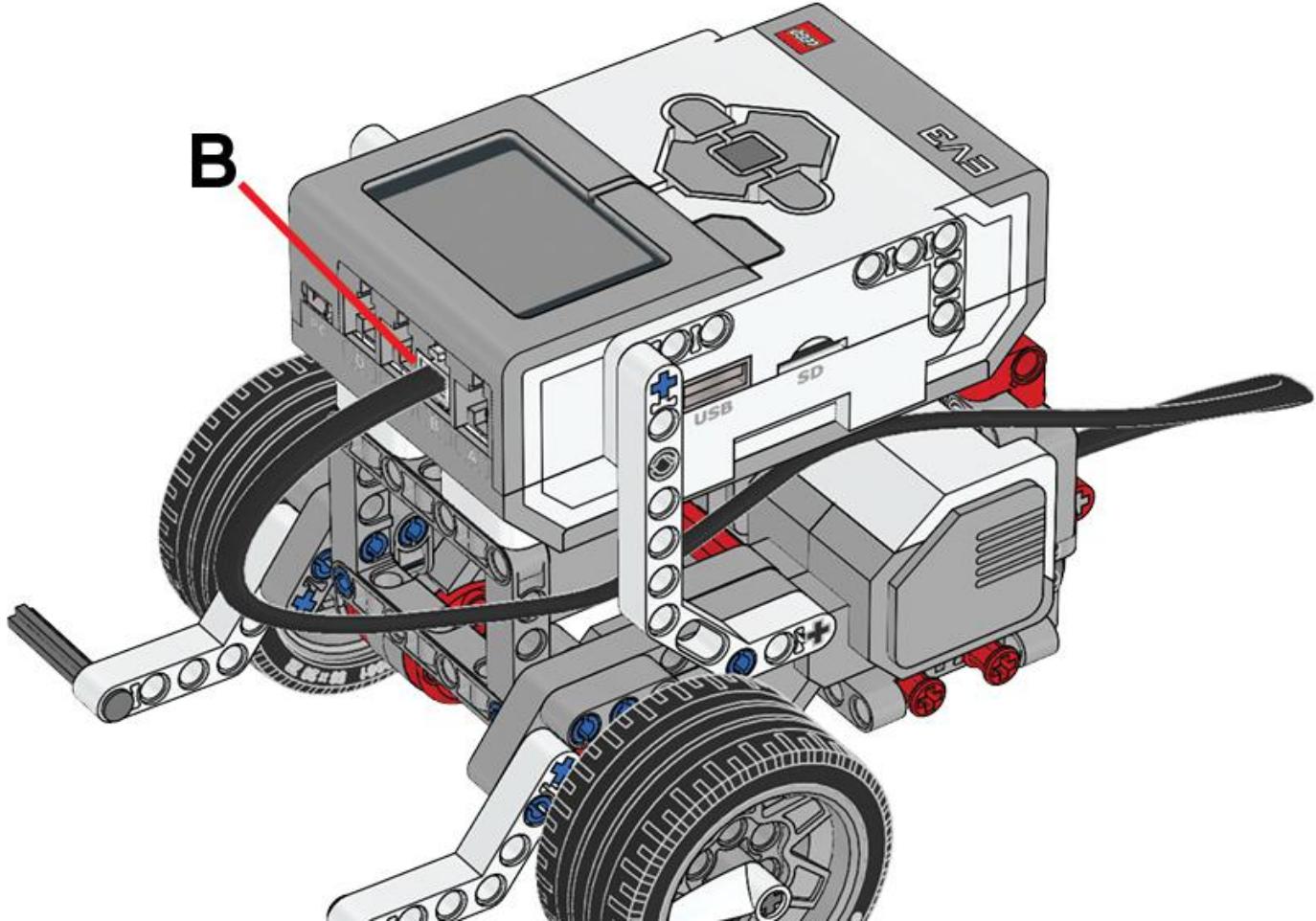


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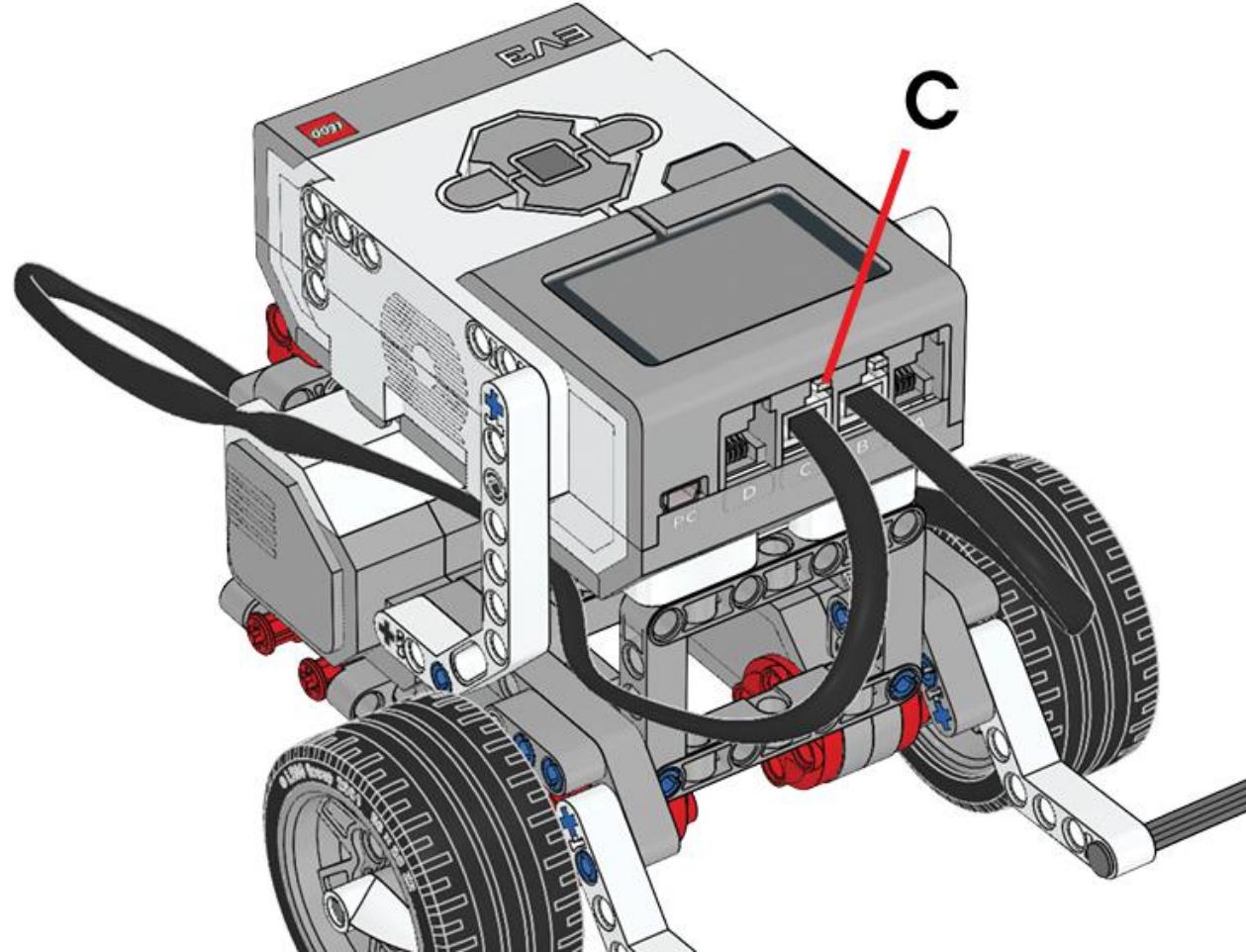
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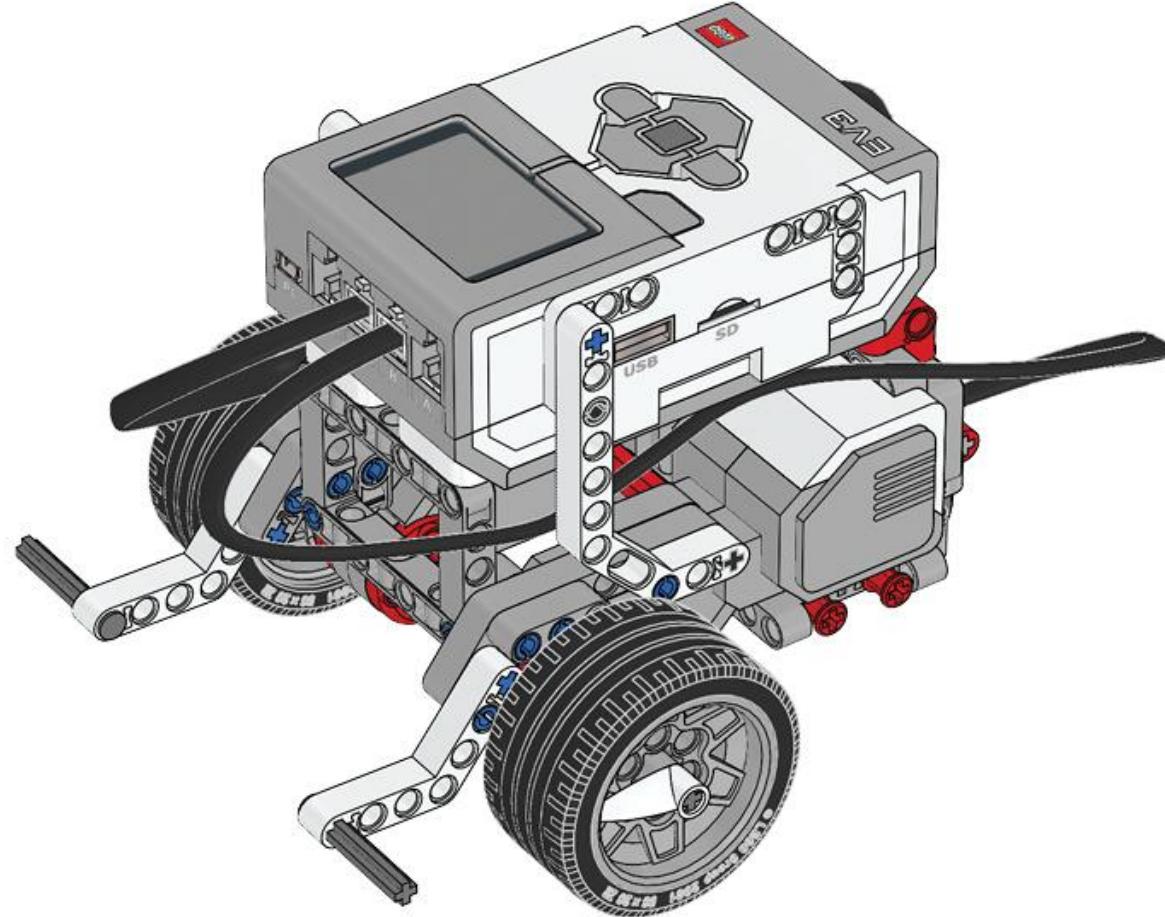


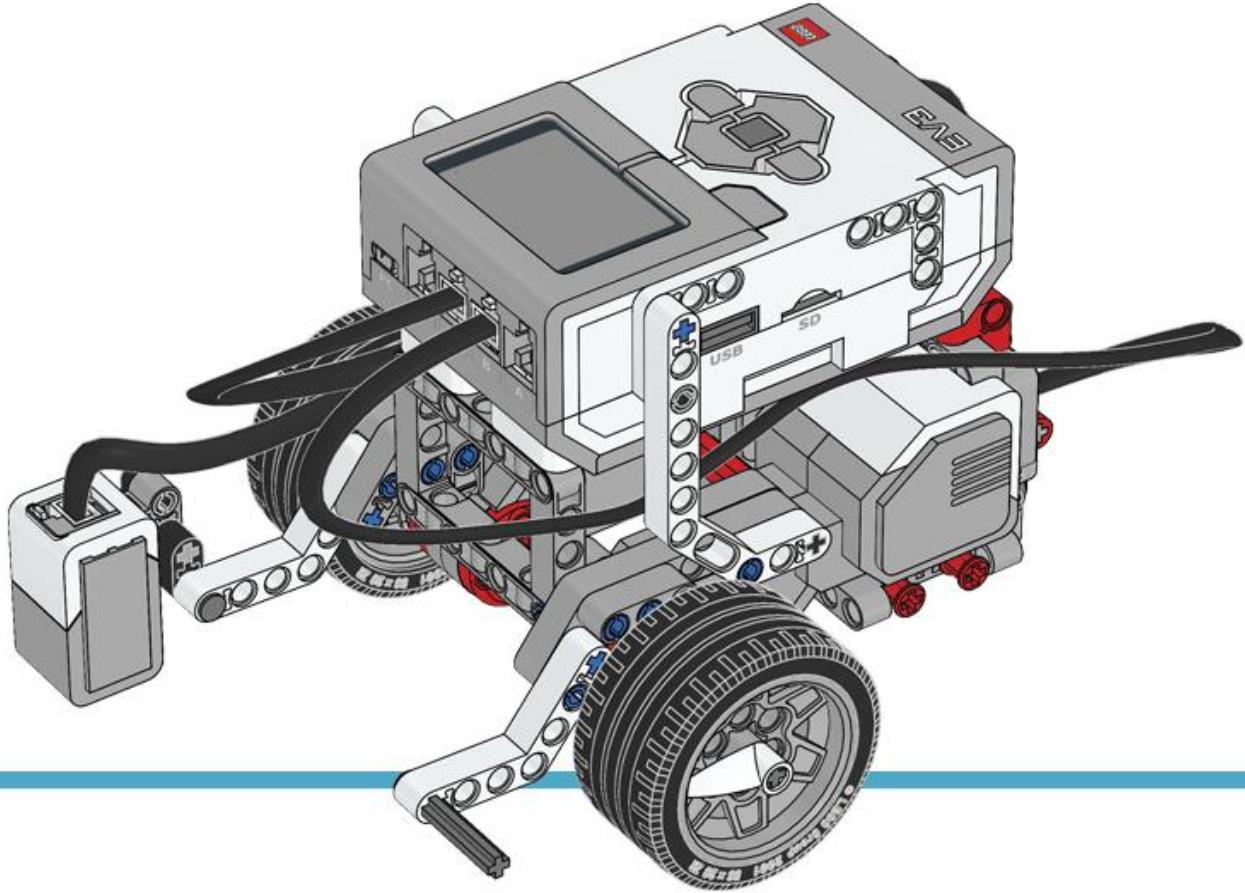
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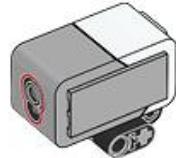


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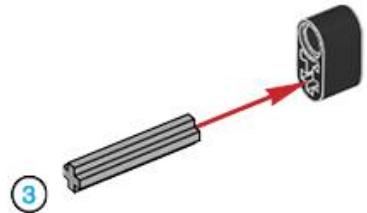


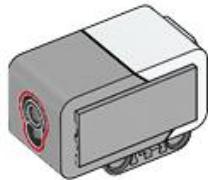


LEGO **MINDSTORMS**
education **EV3**



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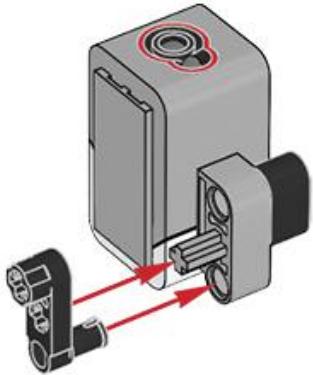


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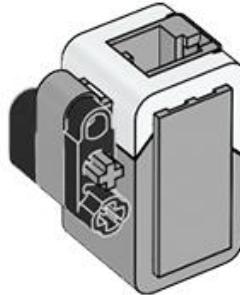


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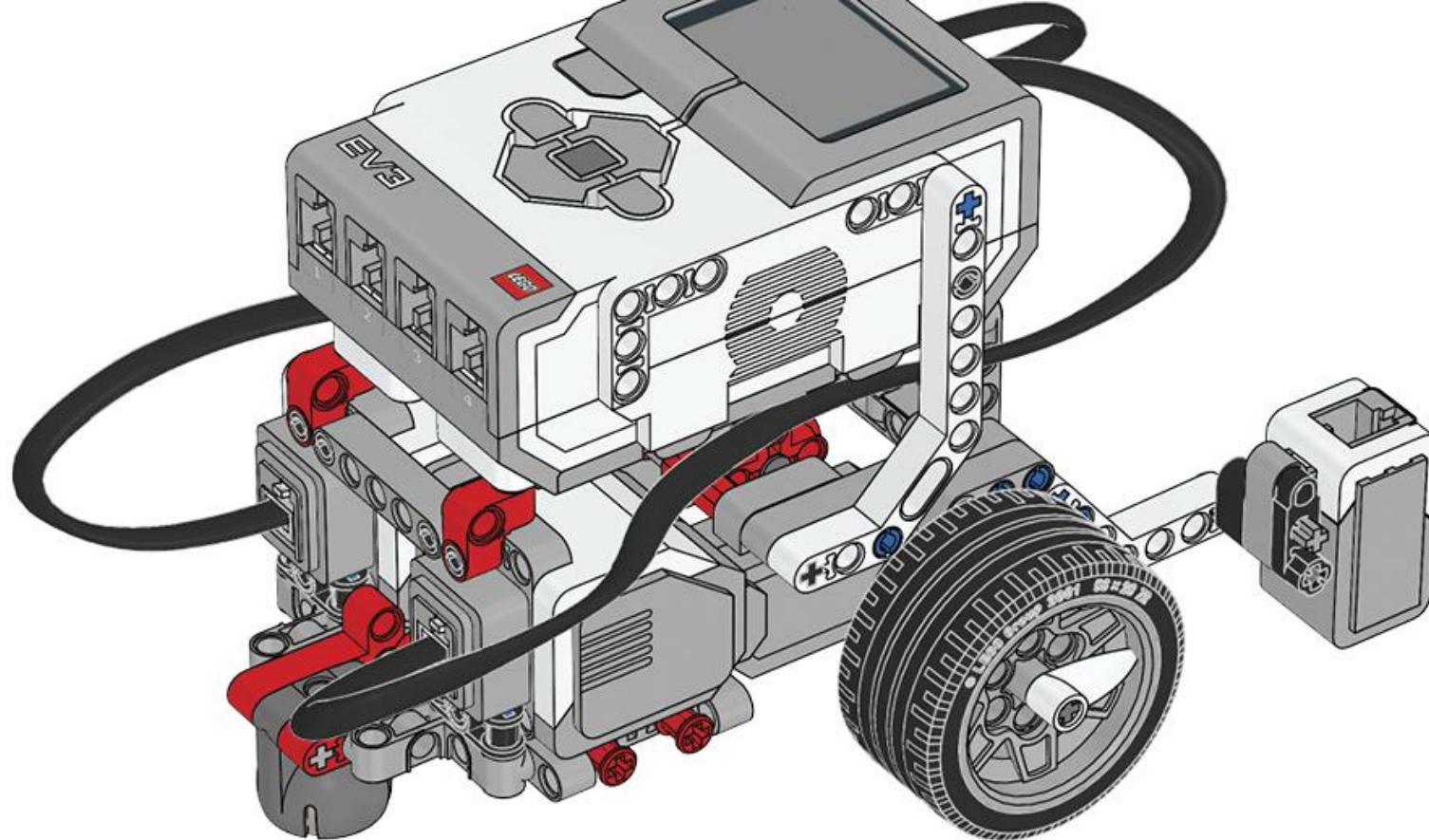
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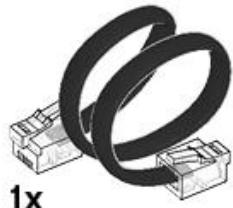
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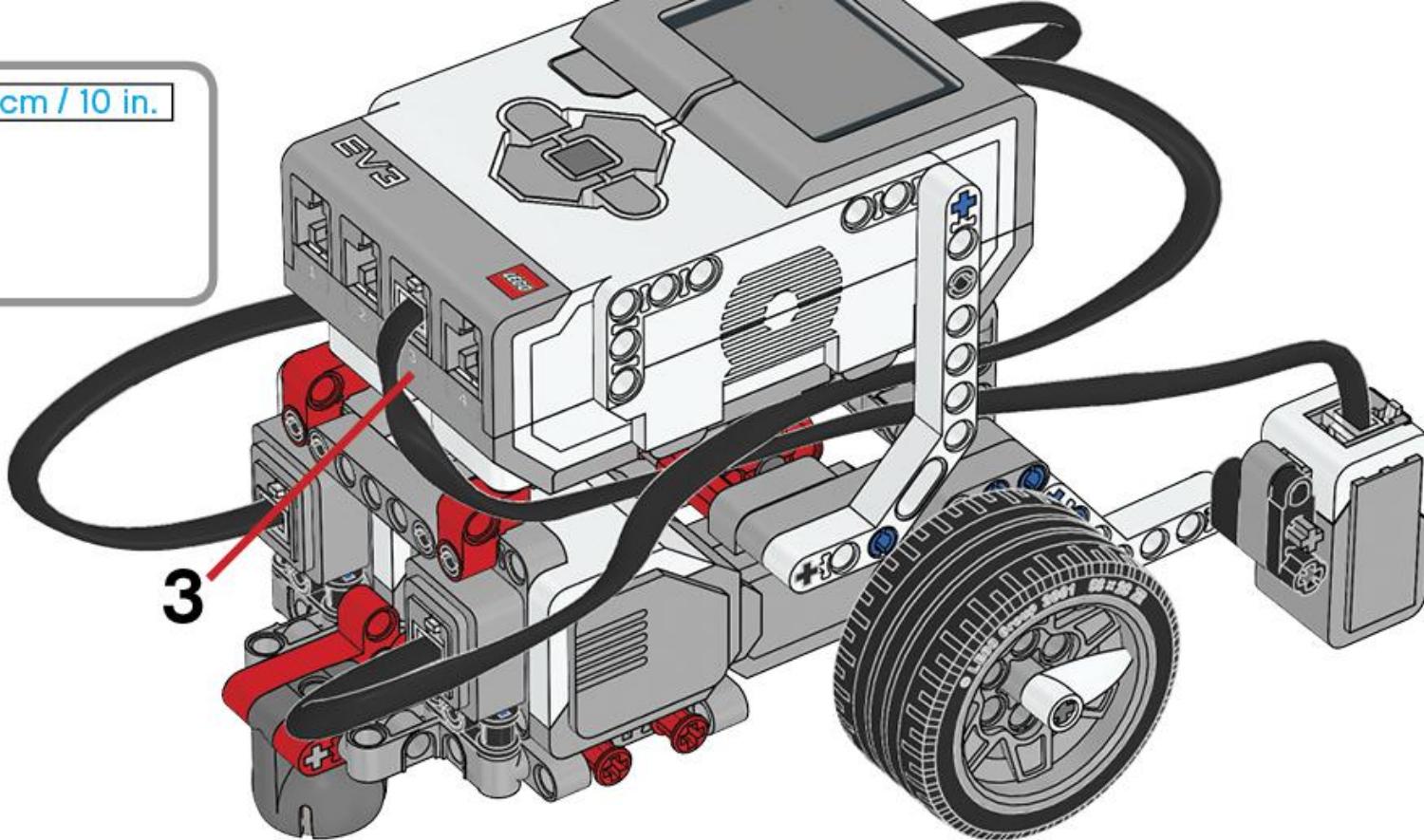
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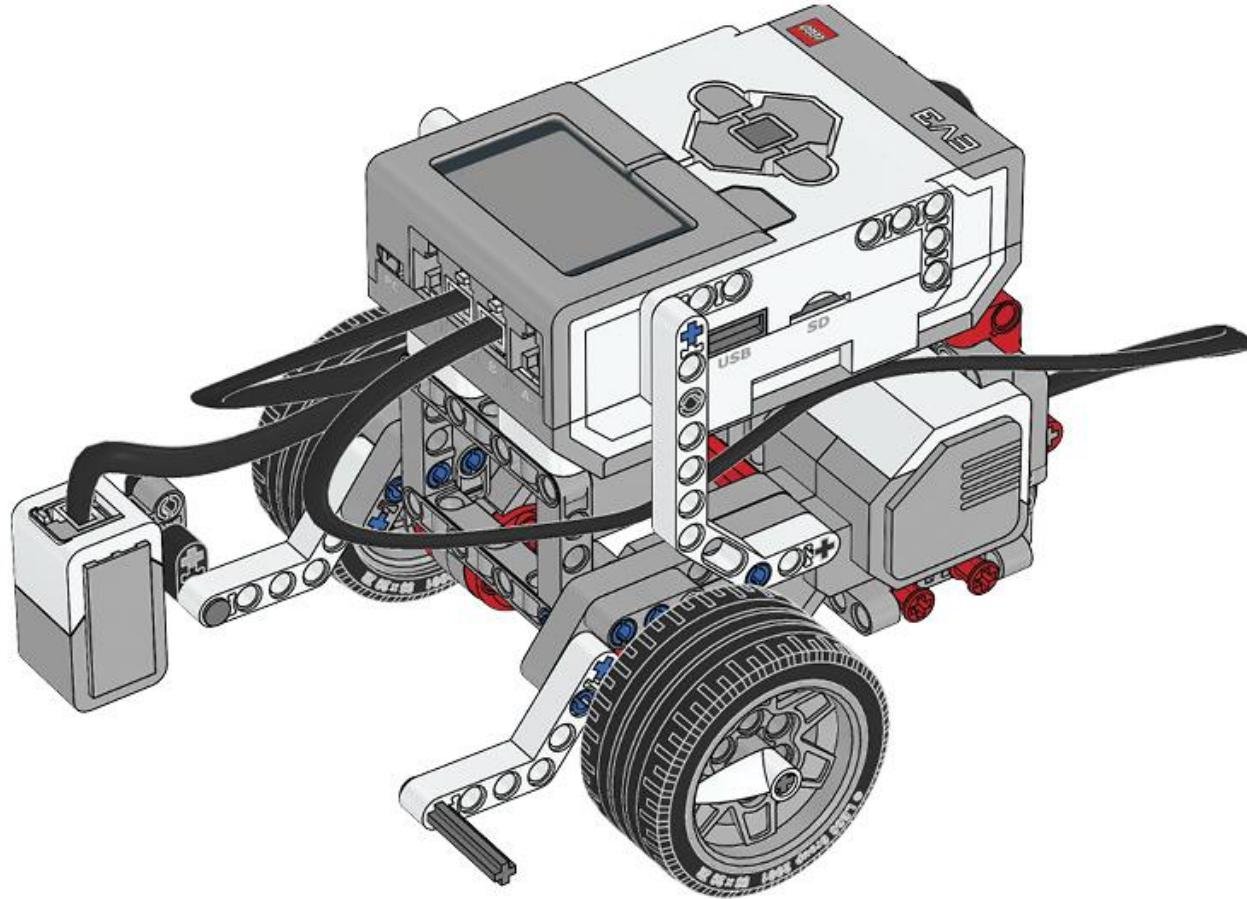
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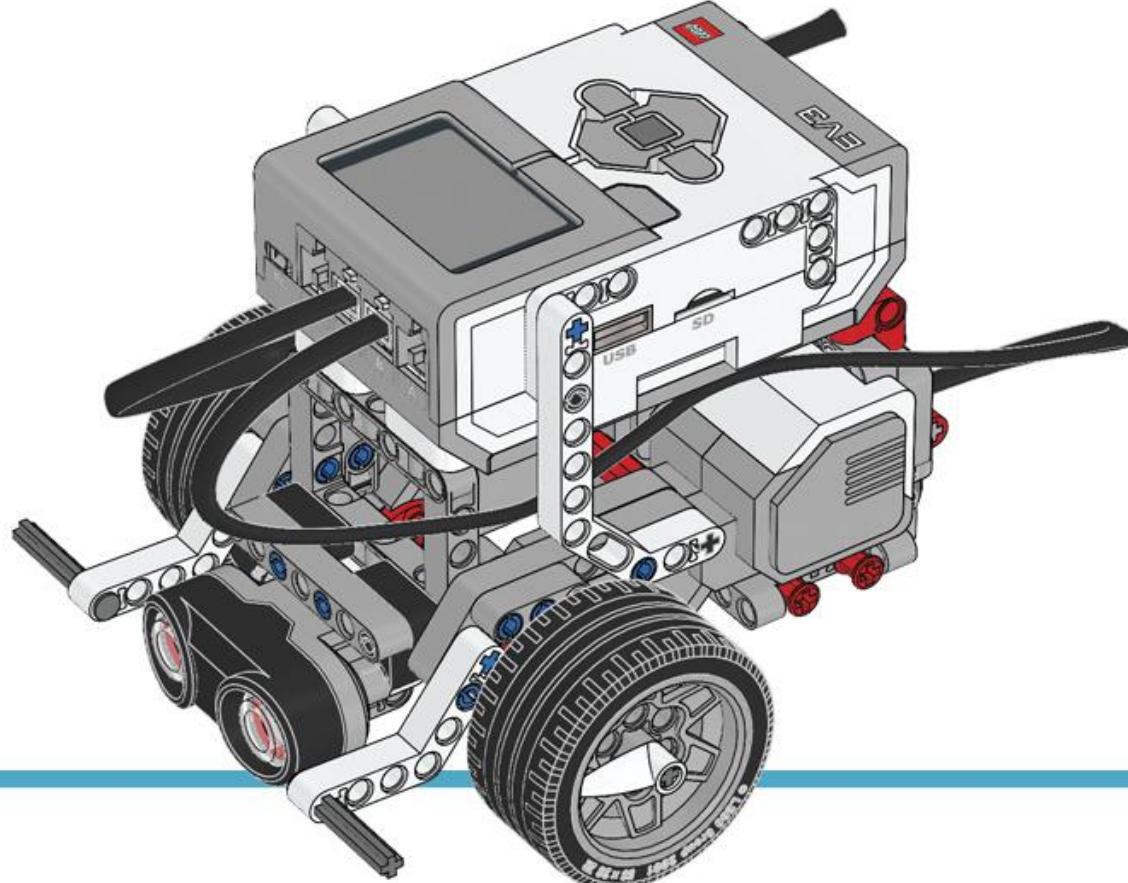


25 cm / 10 in.

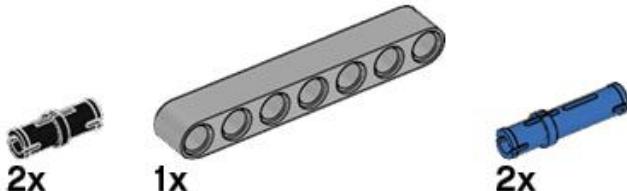


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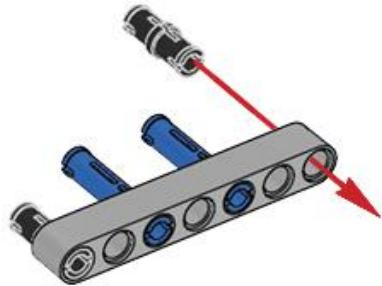




LEGO **MINDSTORMS**
education **EV3**



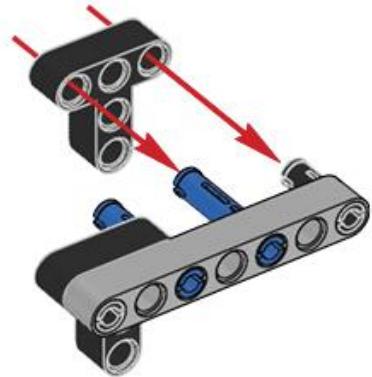
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2x

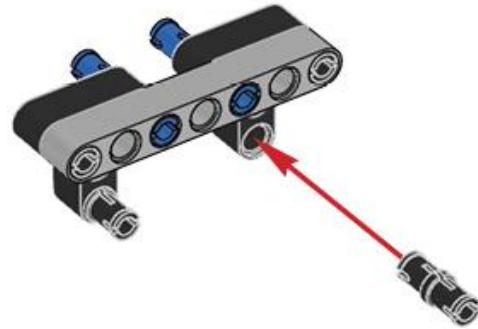
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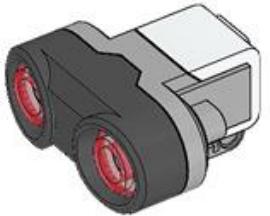




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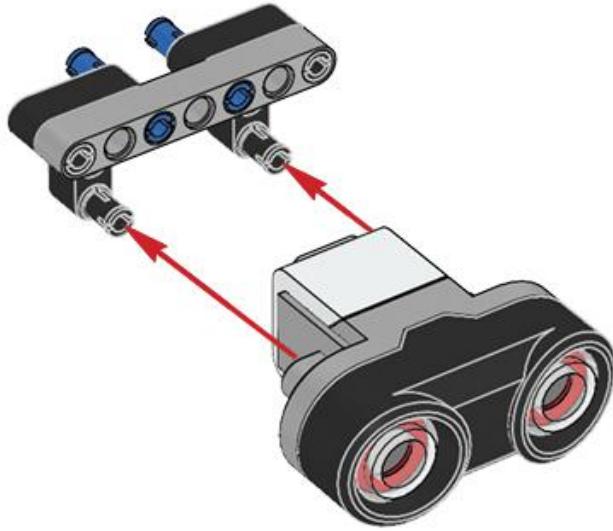
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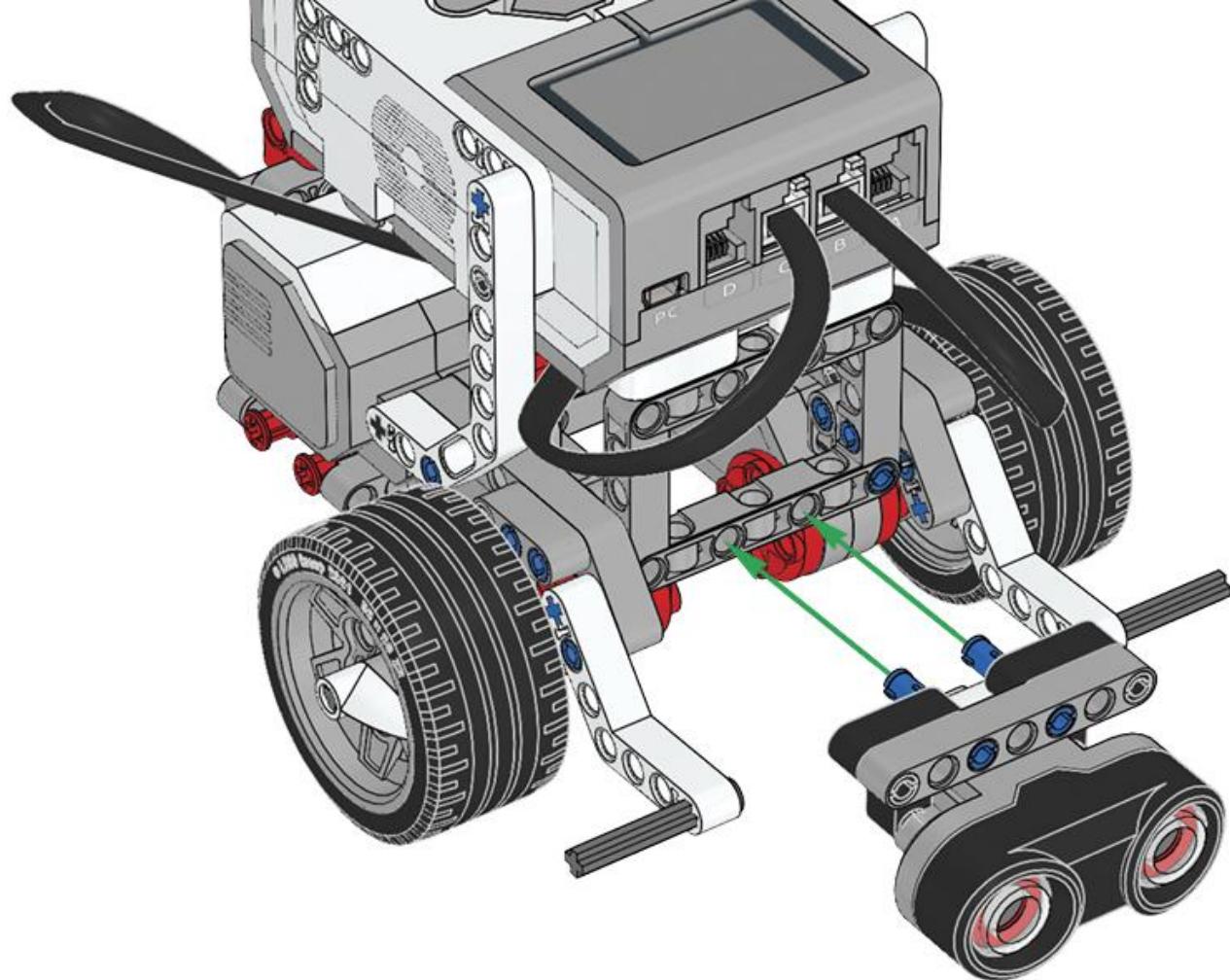


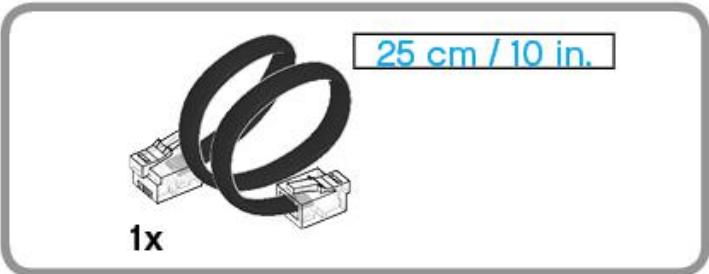
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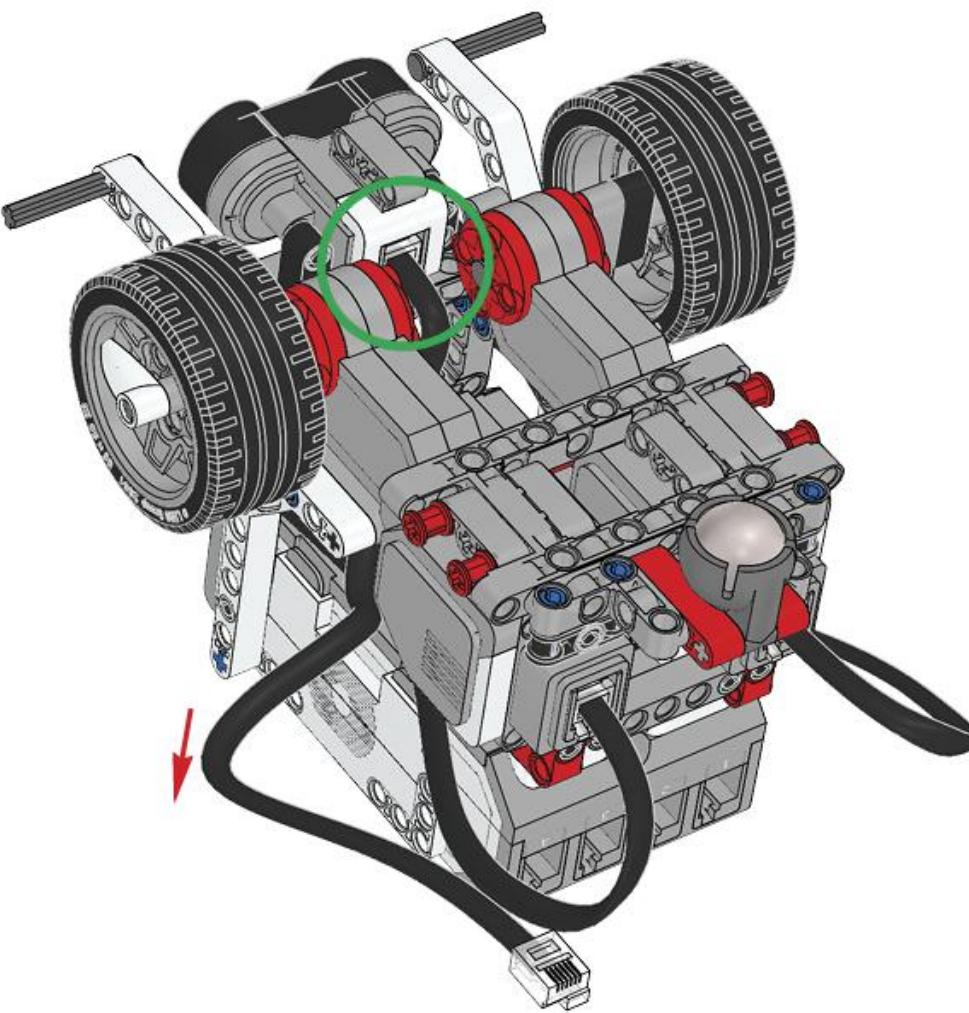


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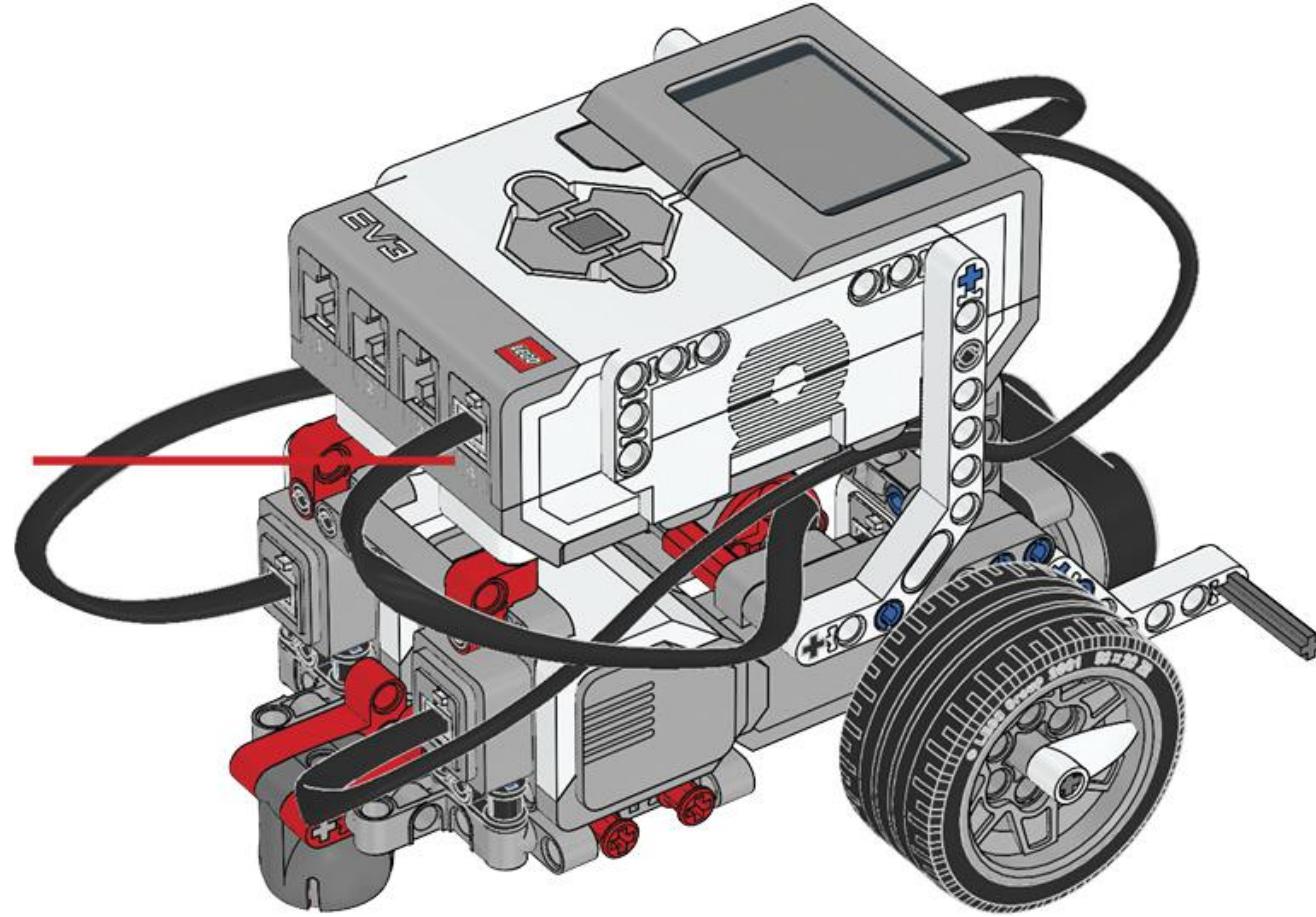
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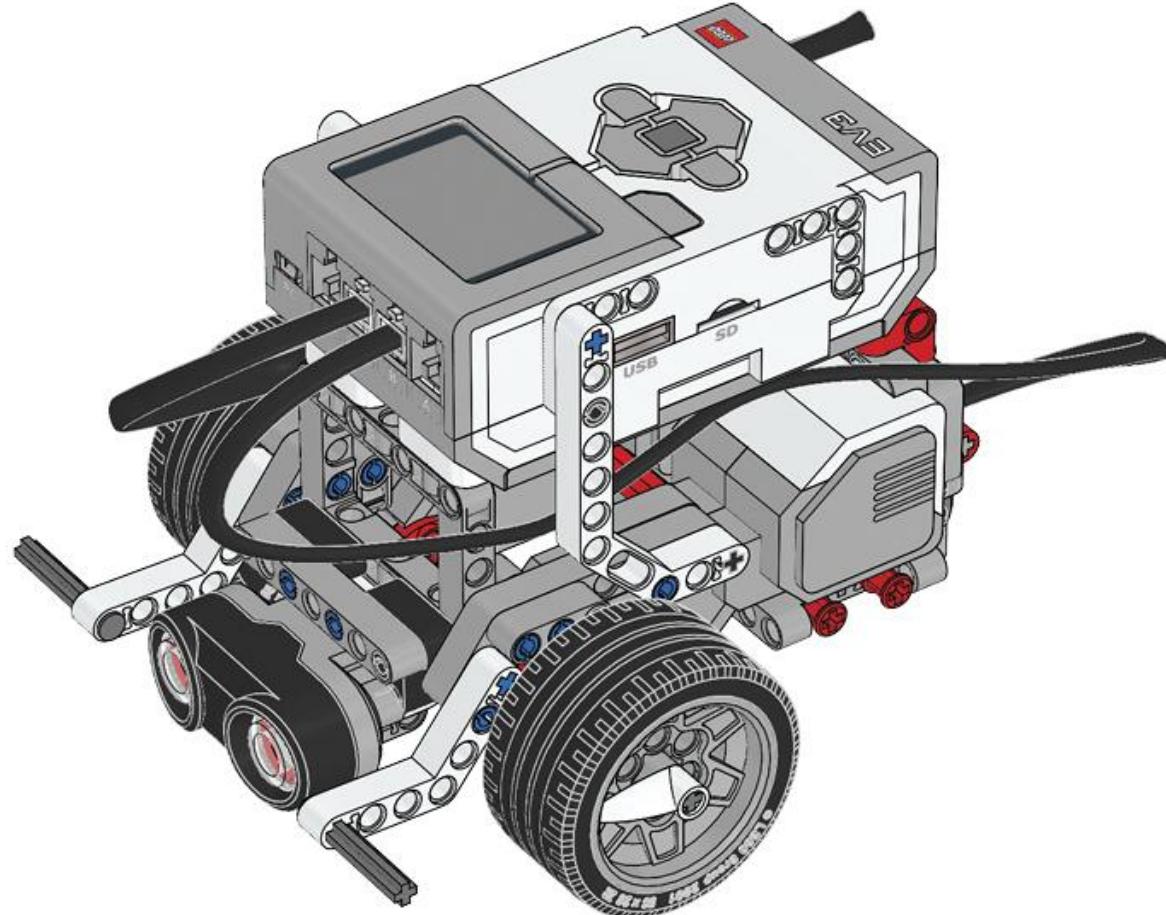
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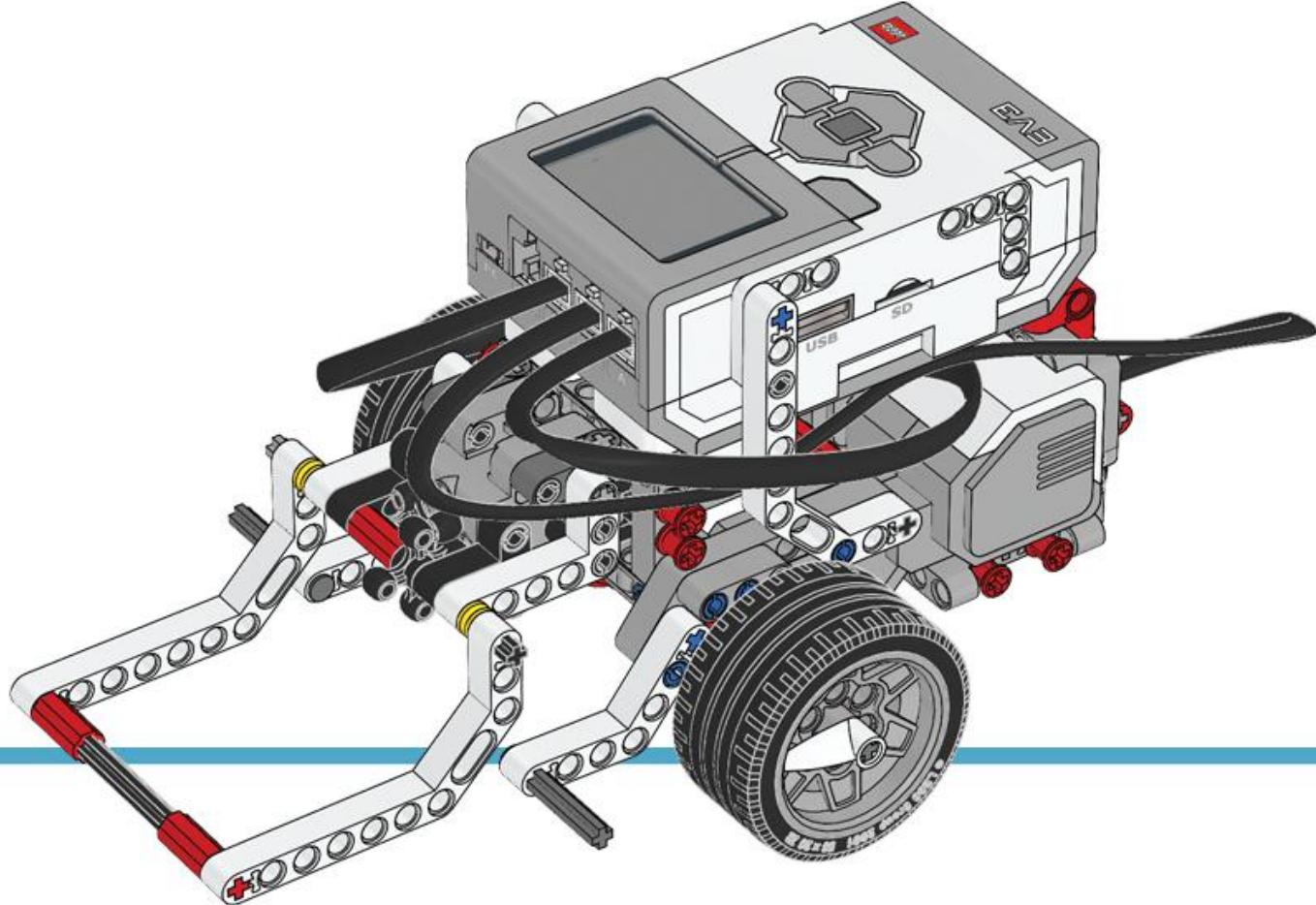


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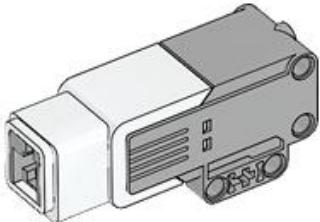
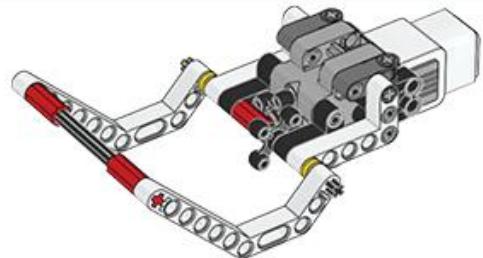


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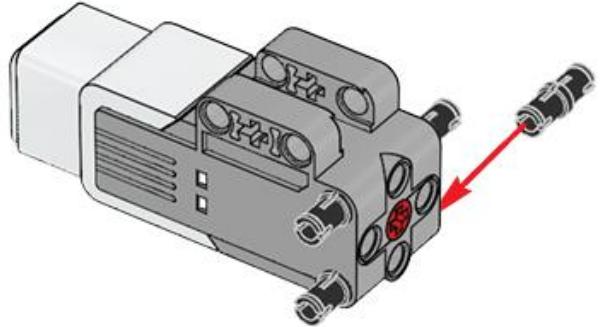


LEGO **MINDSTORMS**
education **EV3**



4x

1



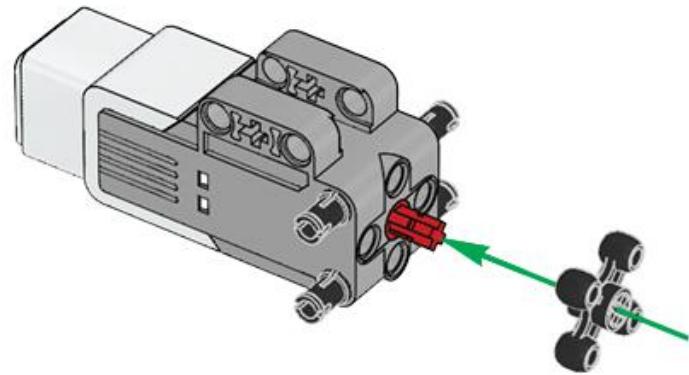


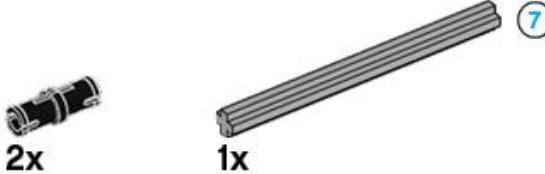
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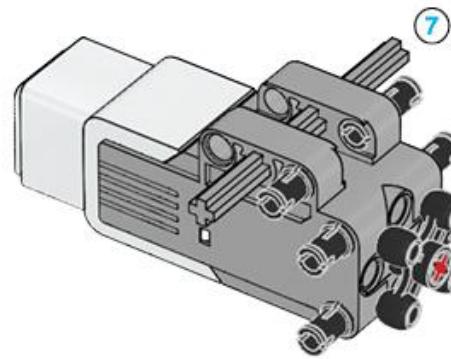
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2





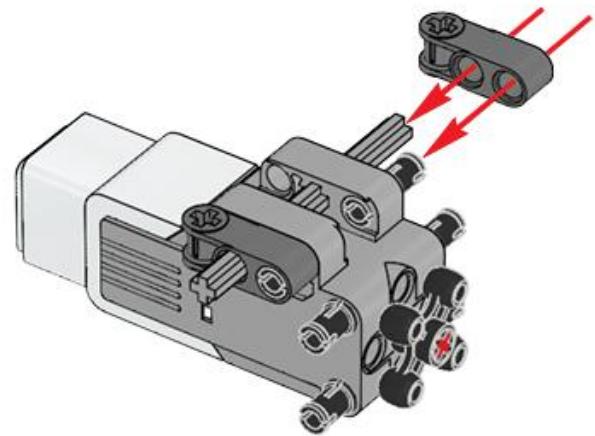
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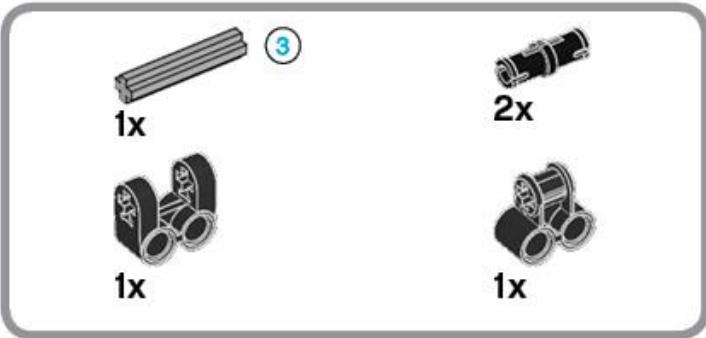




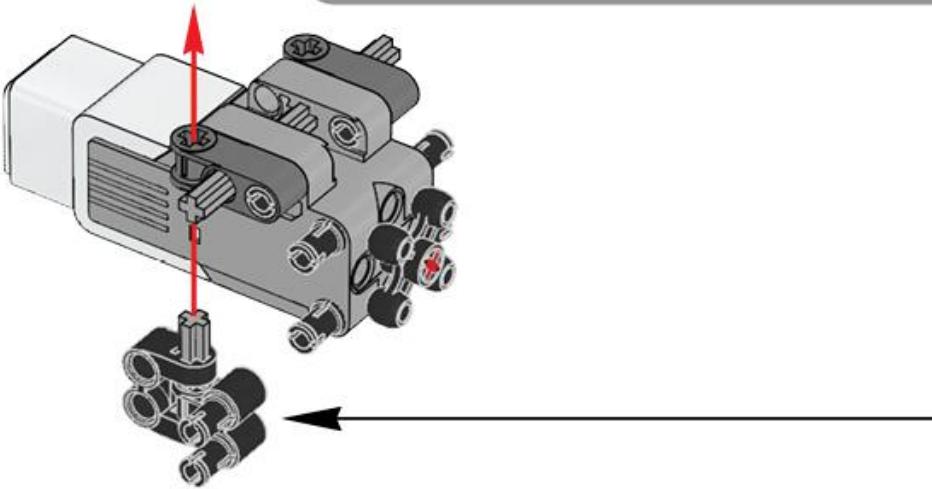
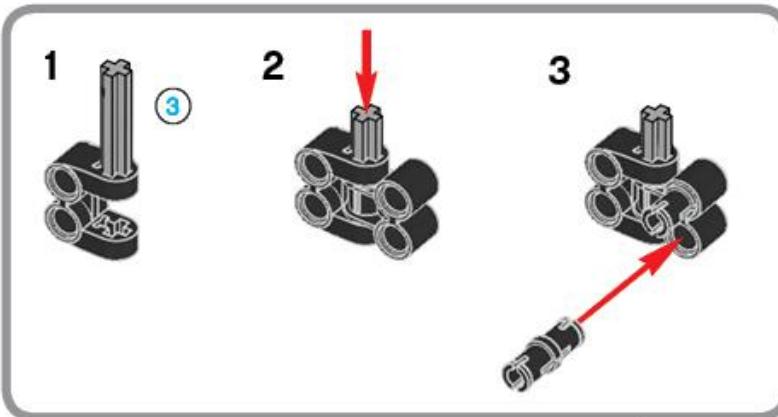
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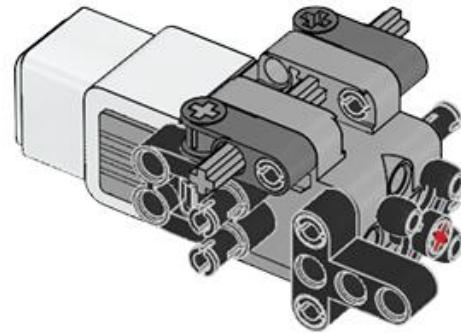
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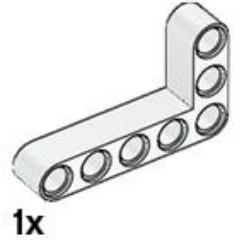




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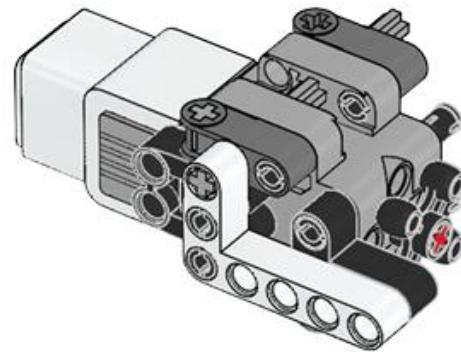
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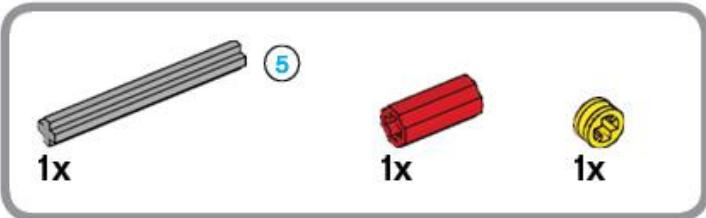




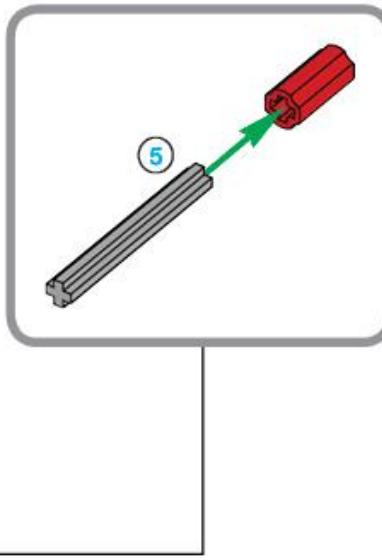
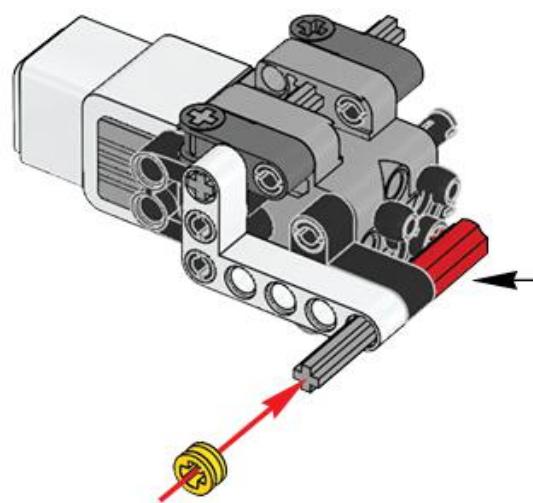
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7



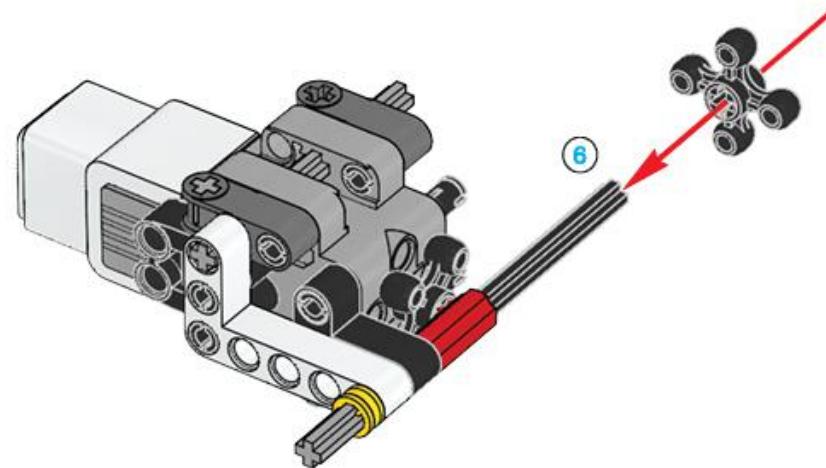


8





9





1x



1x



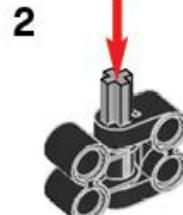
2x



1x



1
3

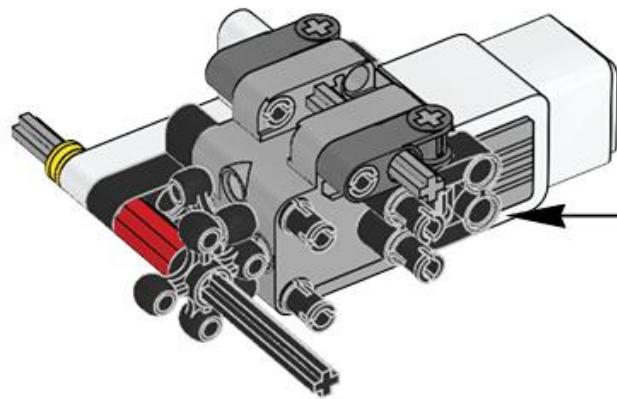


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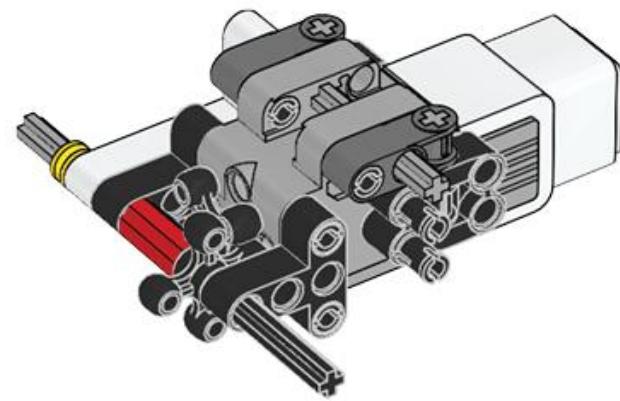
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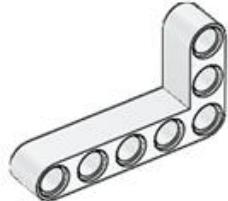




1x

11



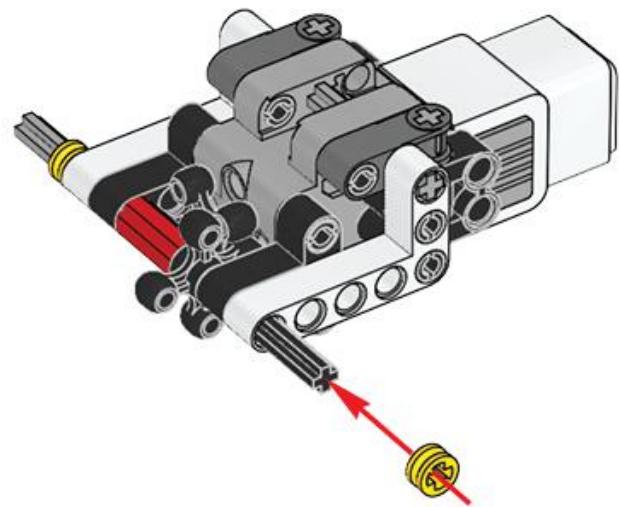


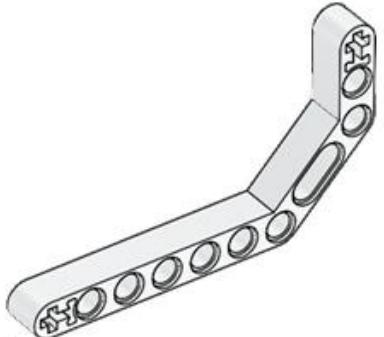
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1x

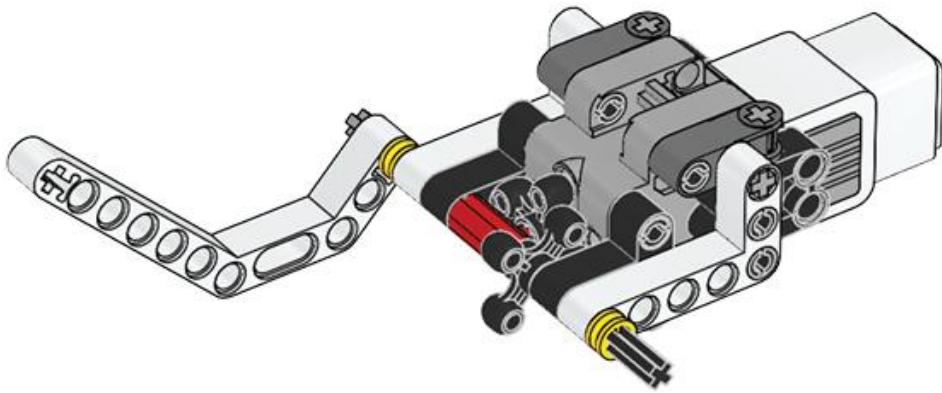
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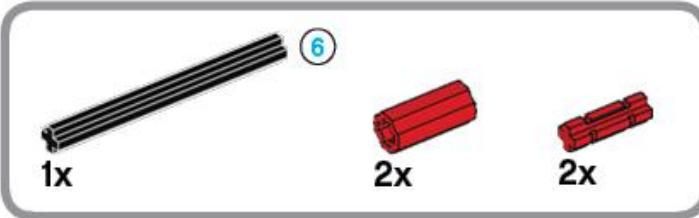




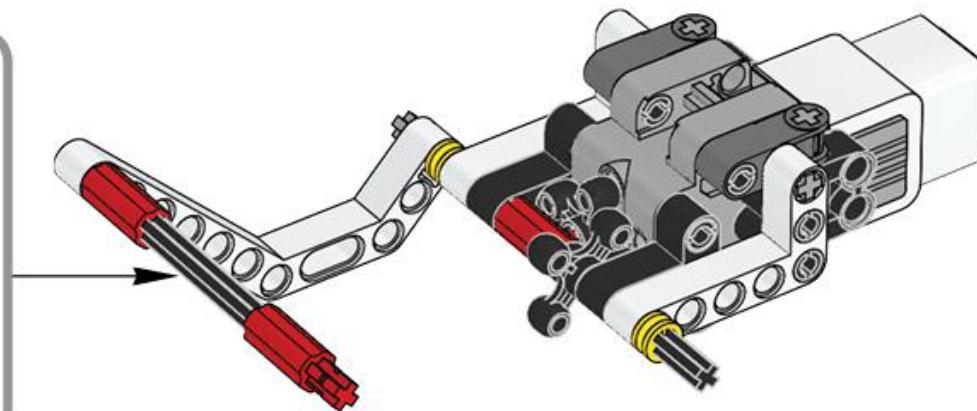
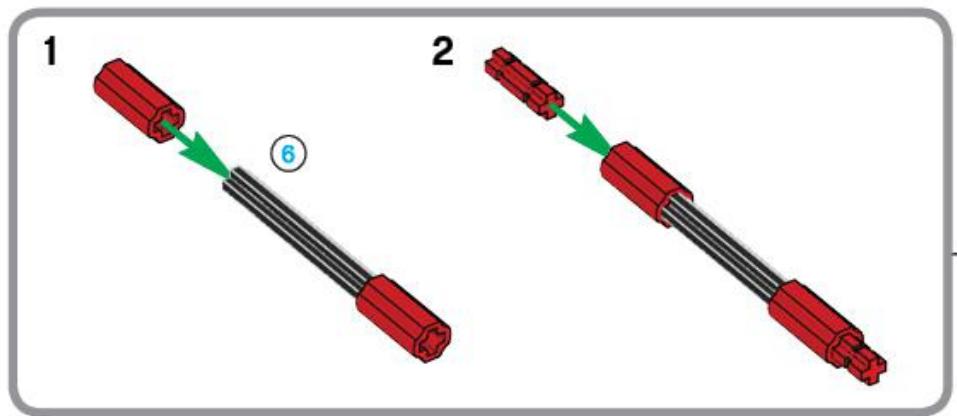
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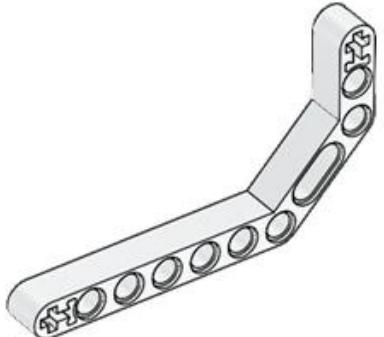
13





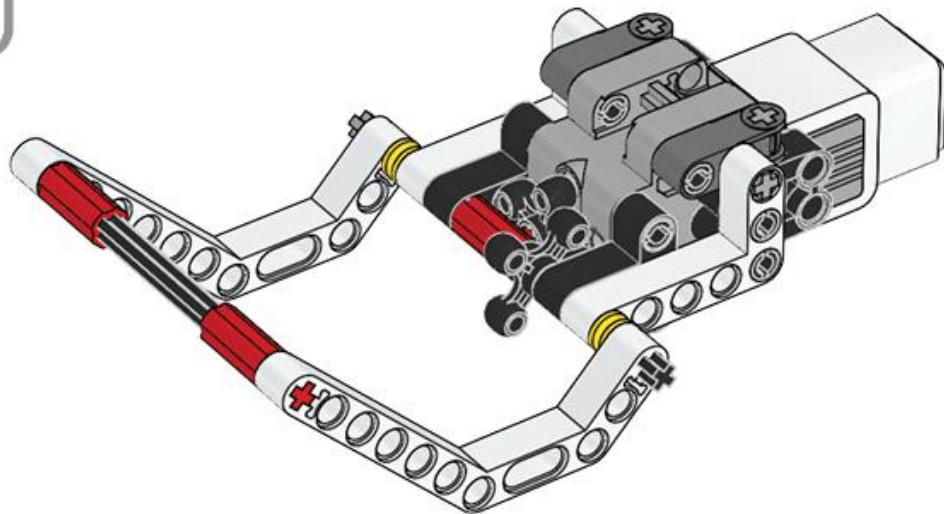
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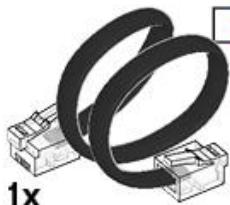




1x

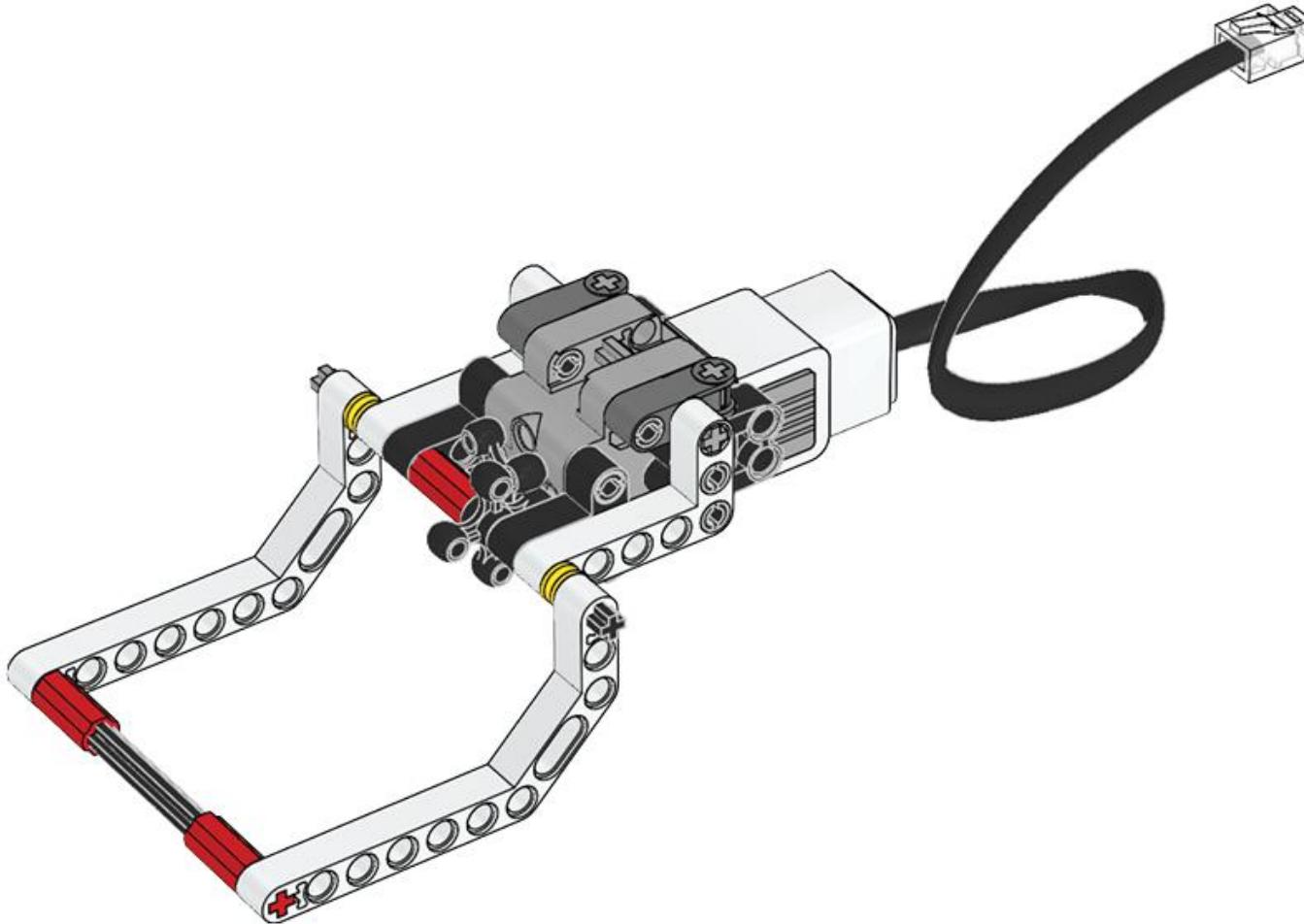
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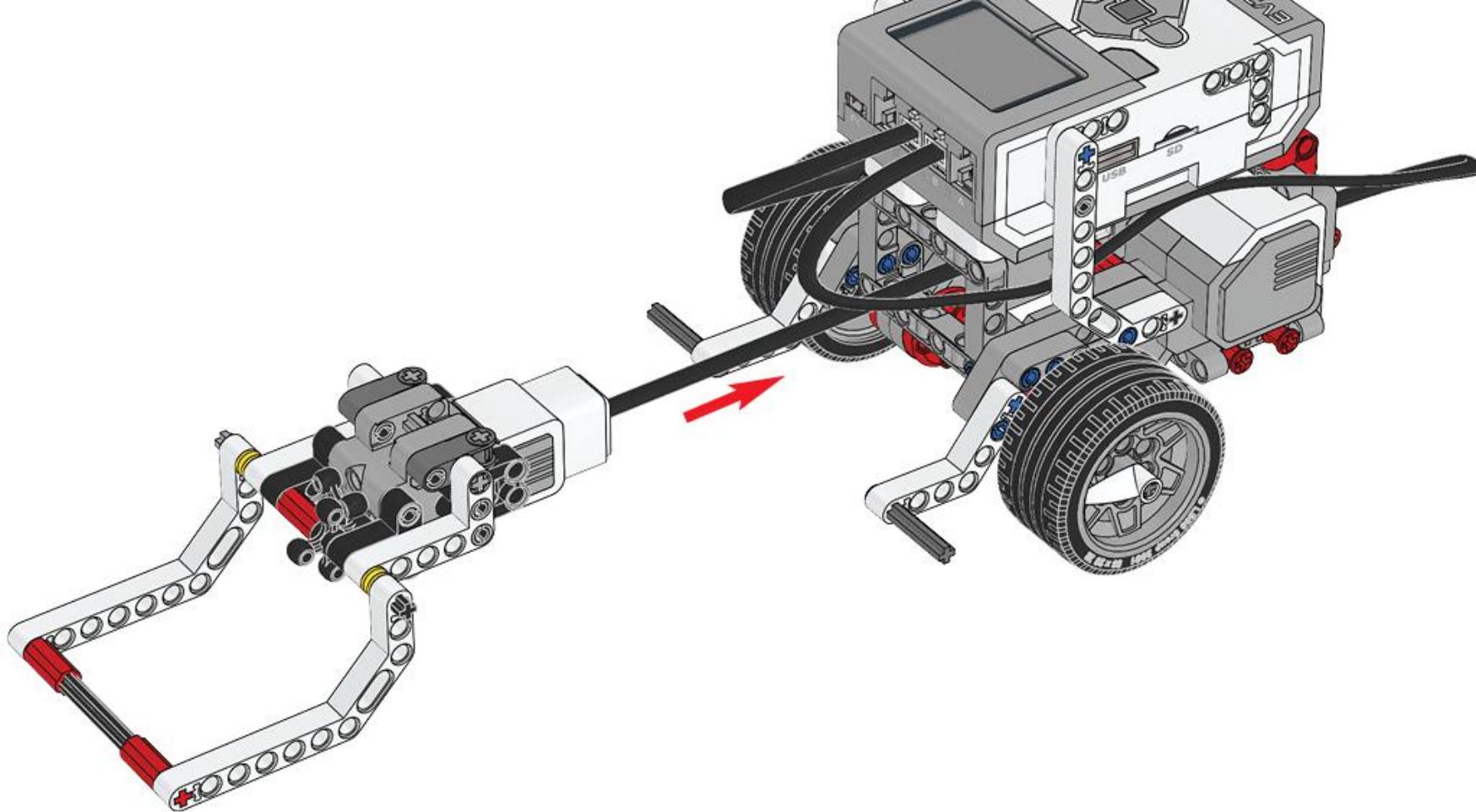


25 cm / 10 in.

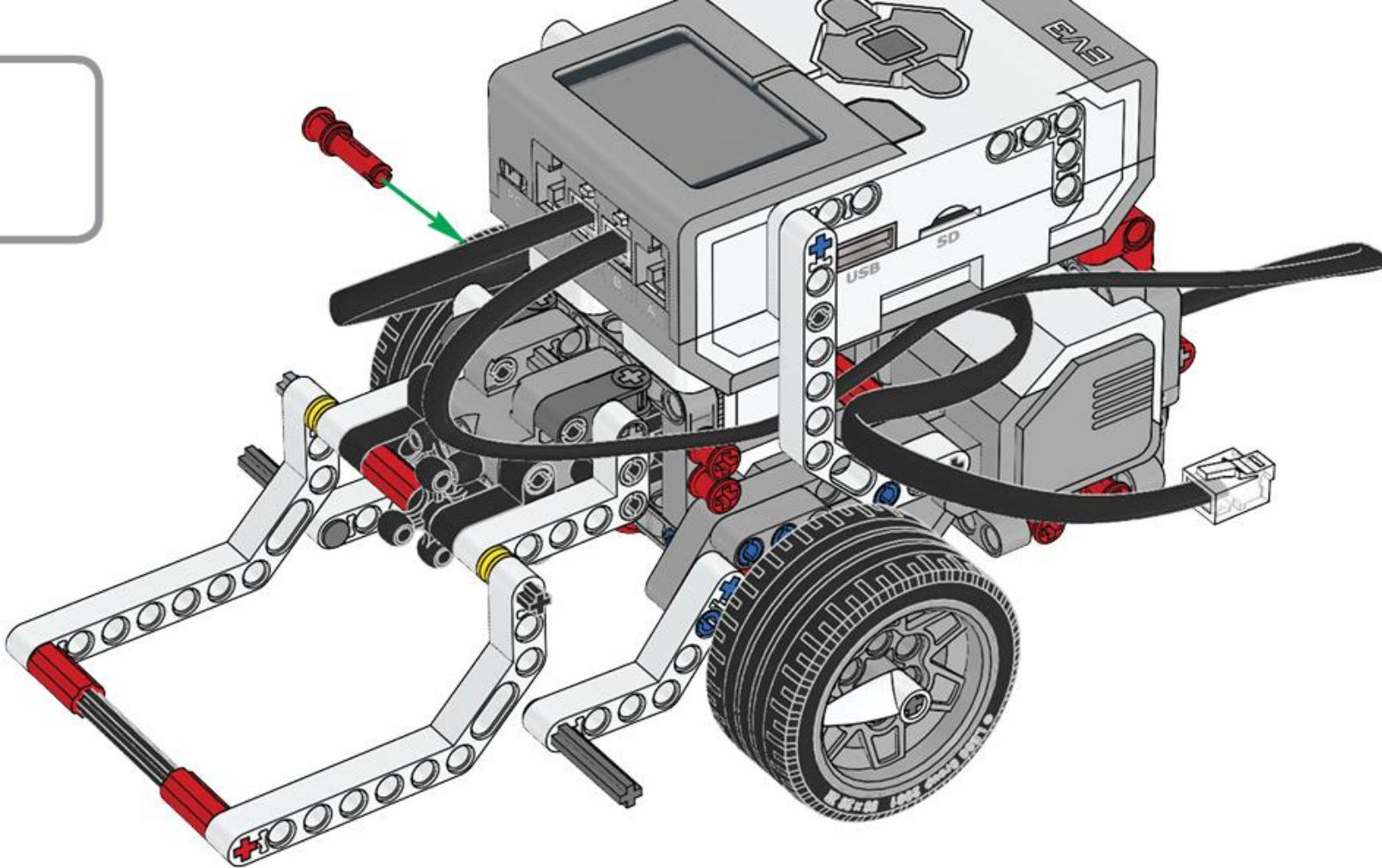
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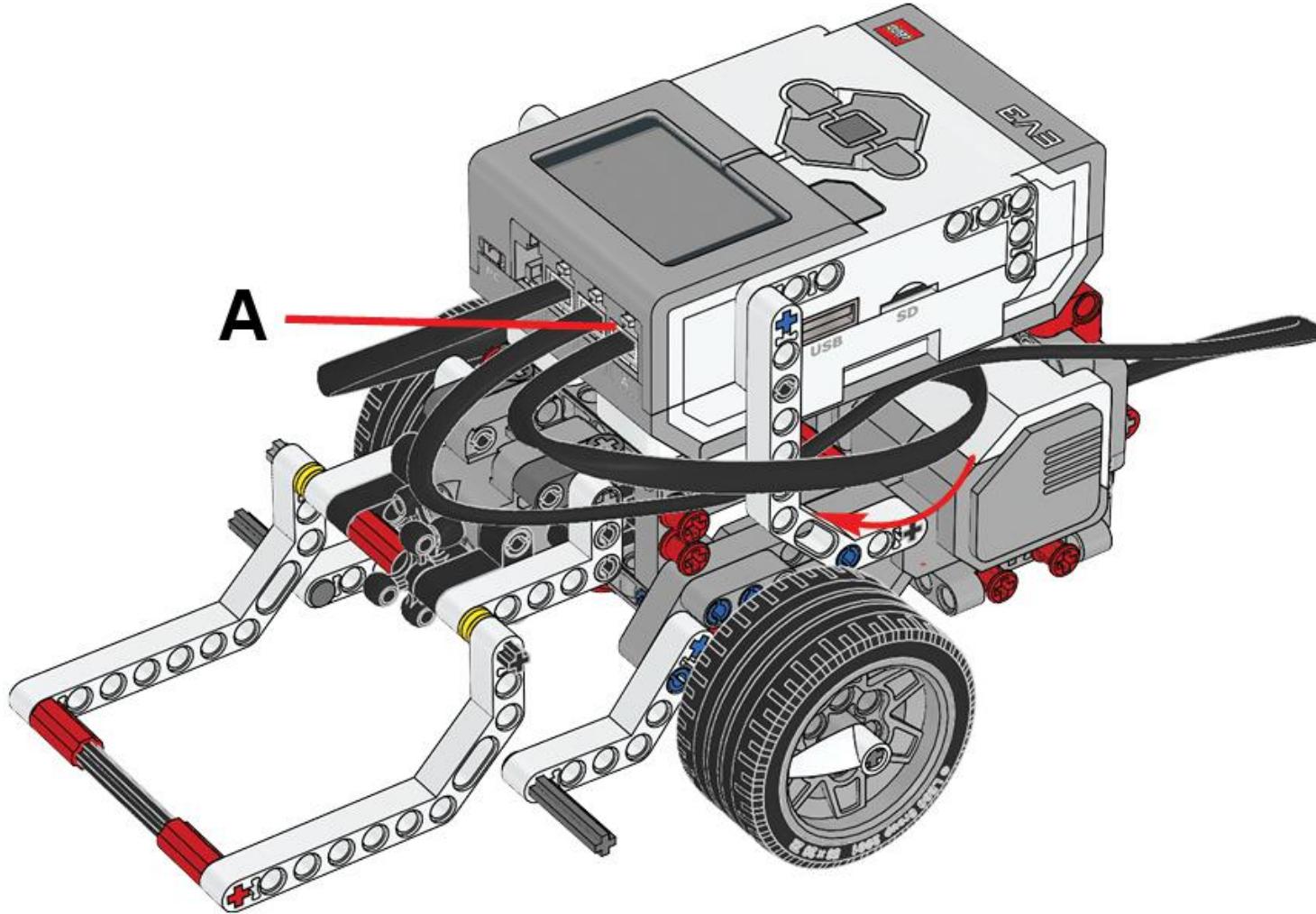
17



18



19



20

