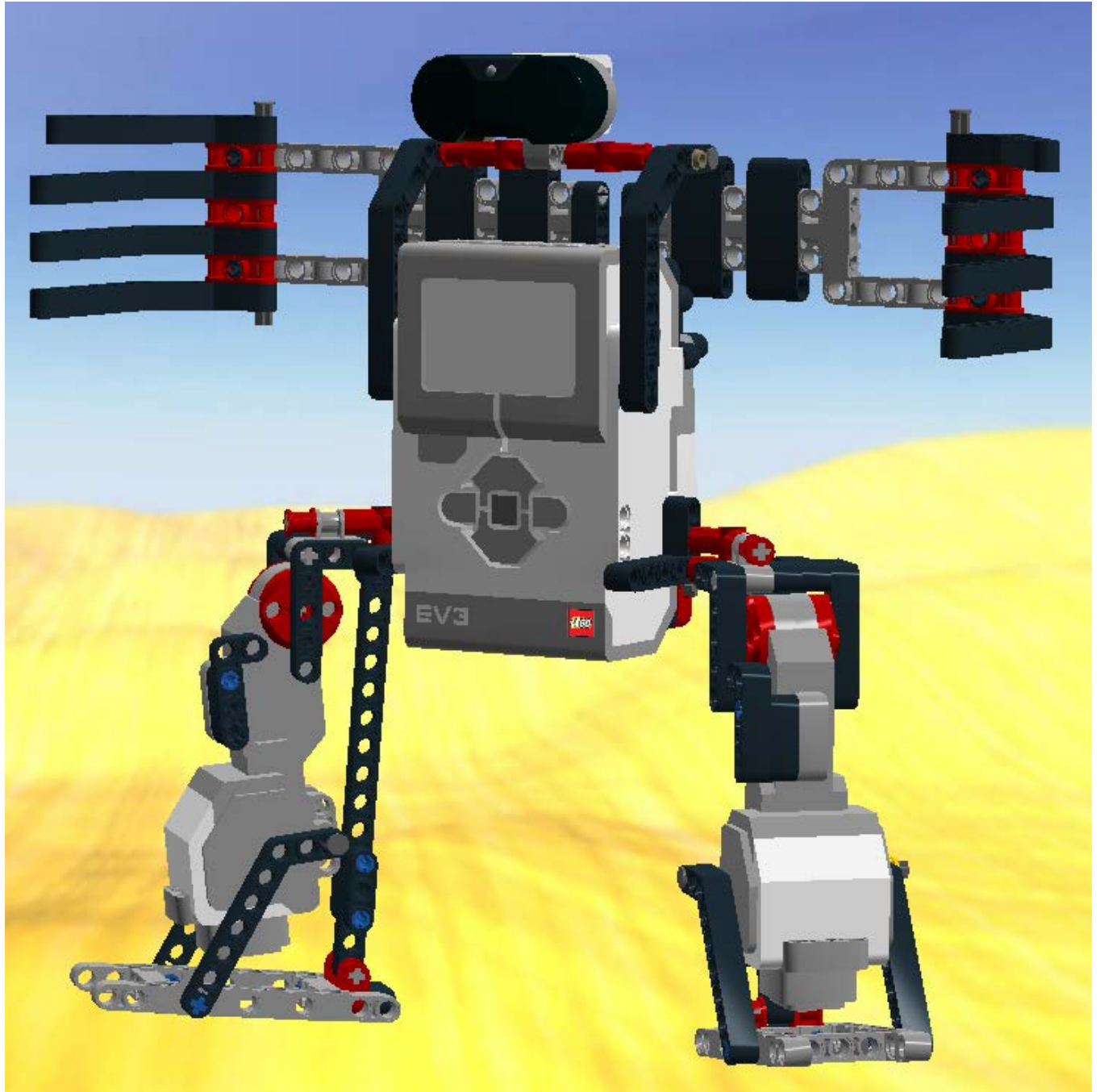
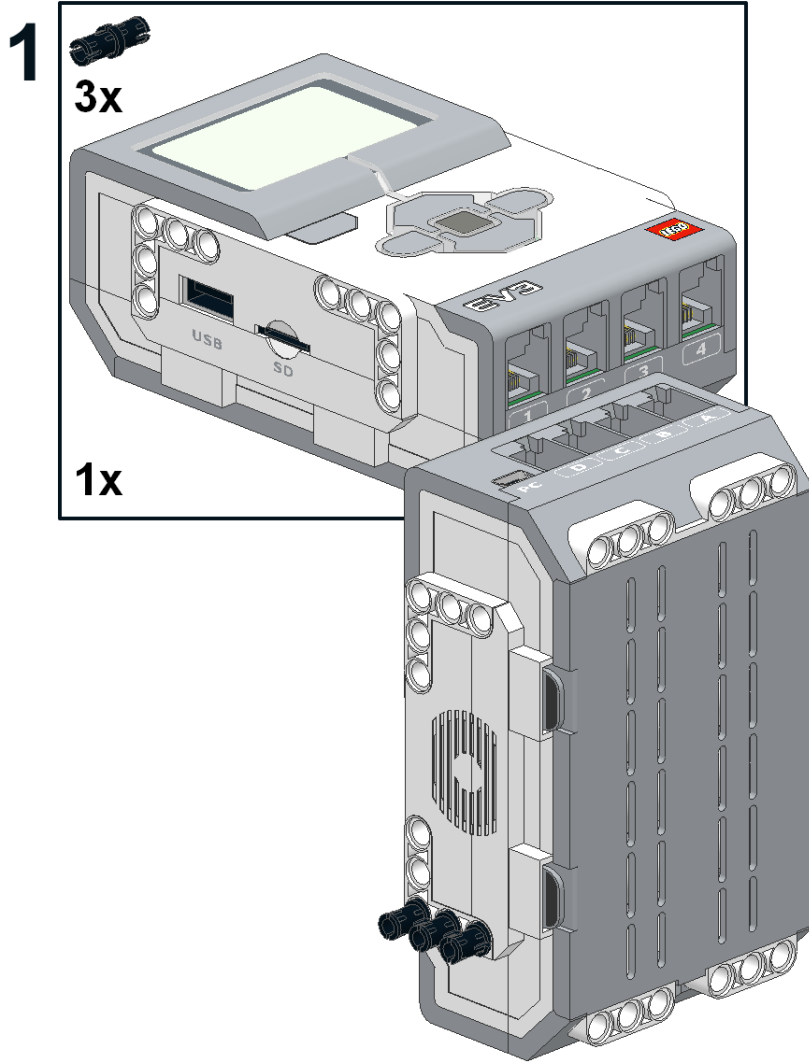


# LEGO Mindstorms EV3 BASK3TBALL

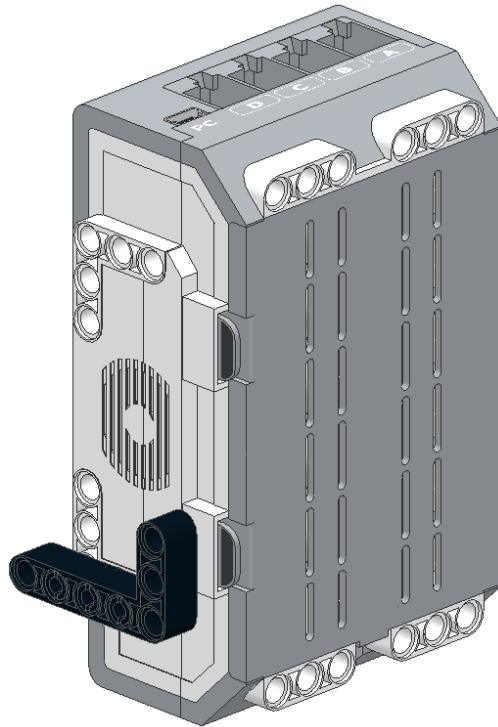
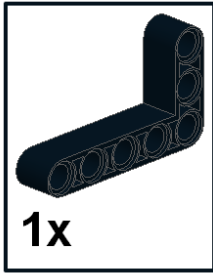
## Robot Build Instructions



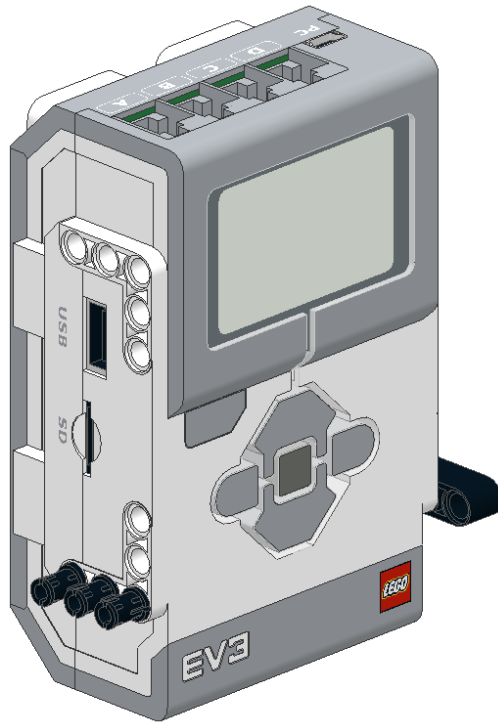
# Body



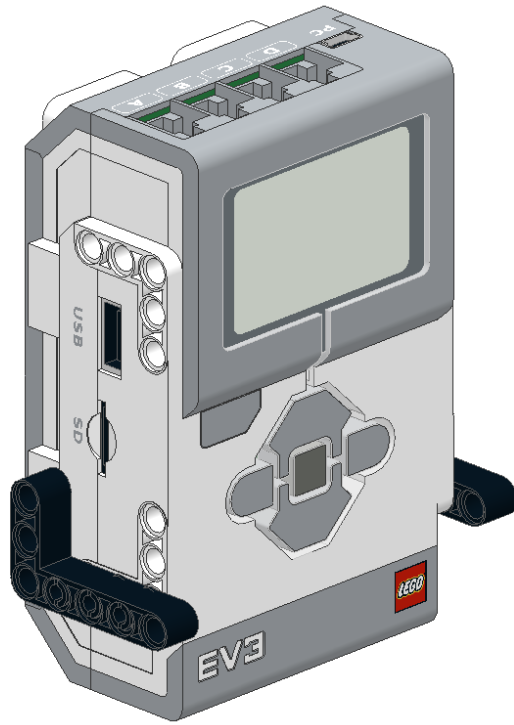
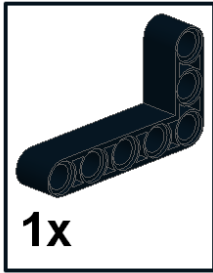
2



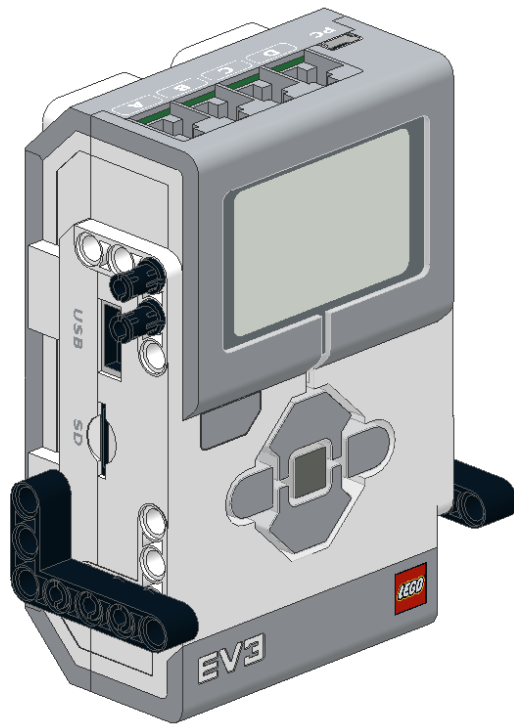
**3**   
**3x**



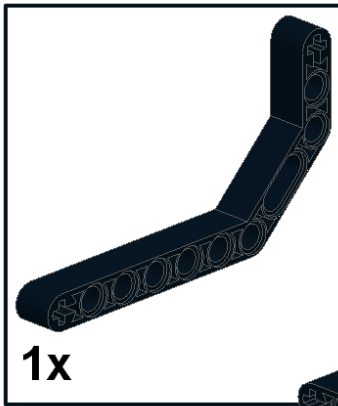
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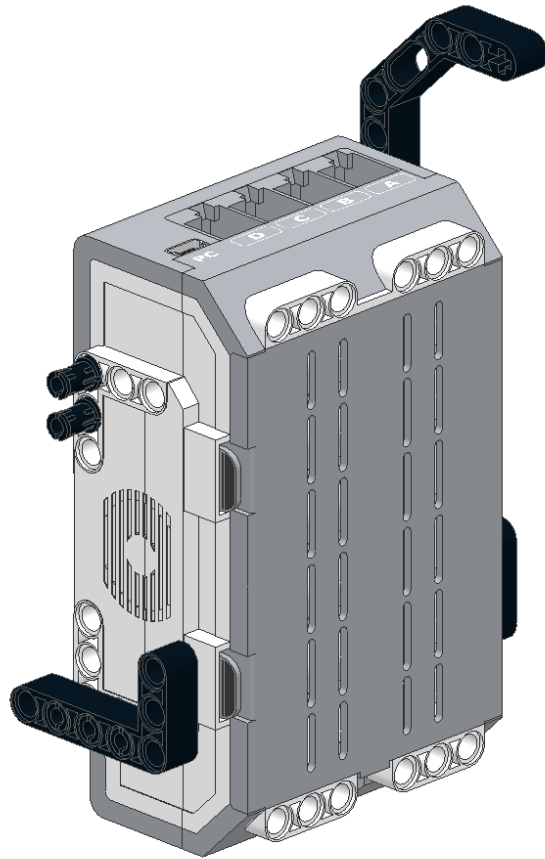
5   
2x



6

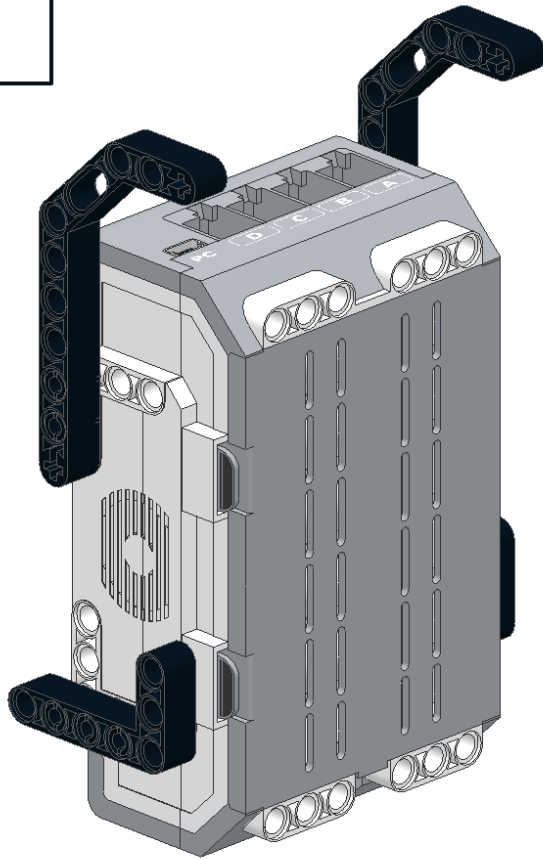
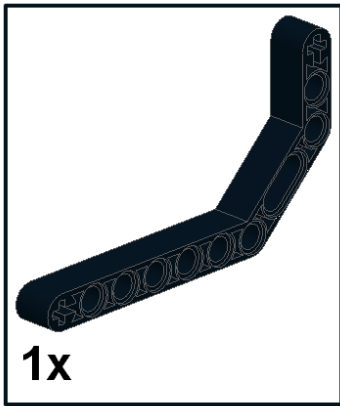


7   
2x

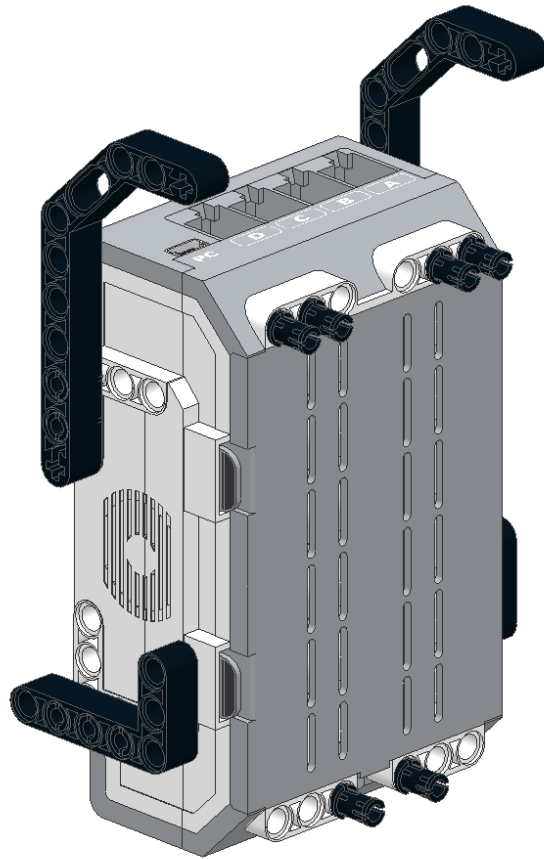




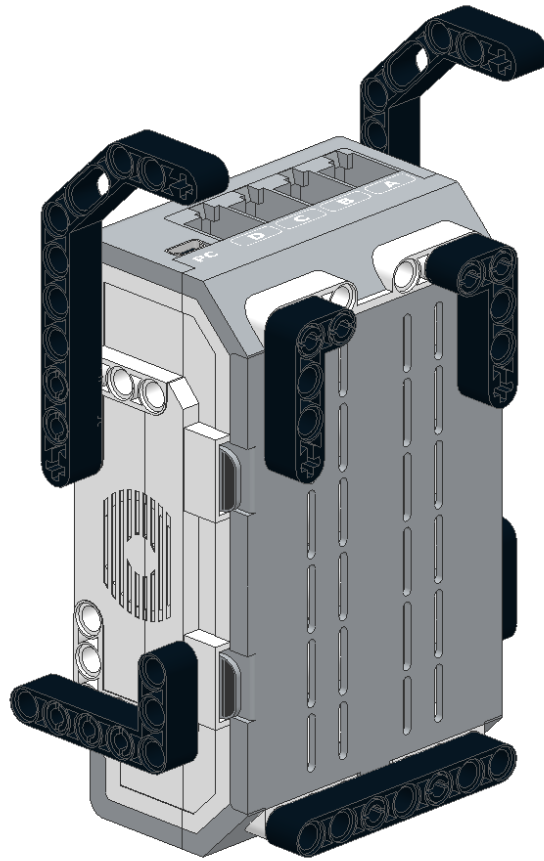
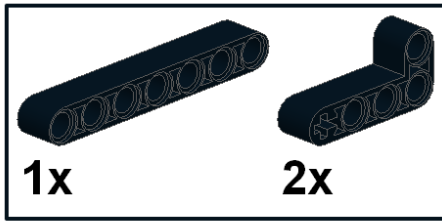
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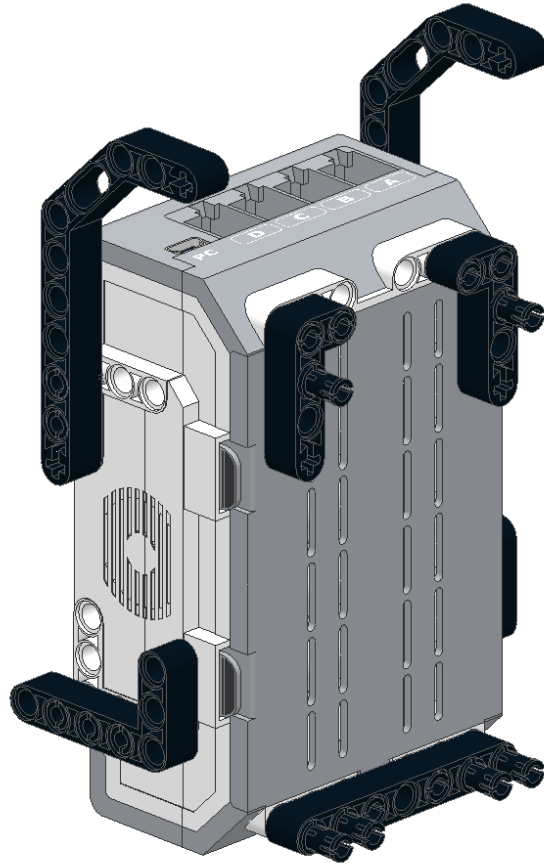
9   
6x



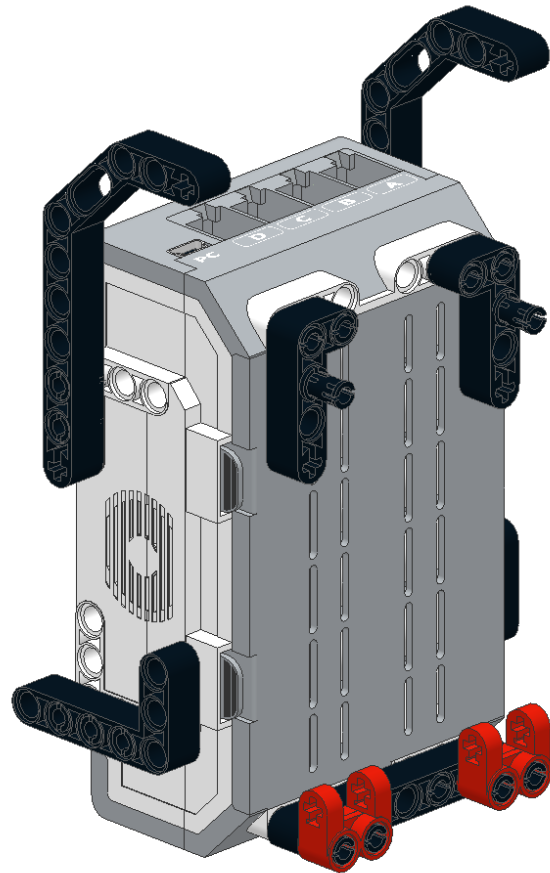
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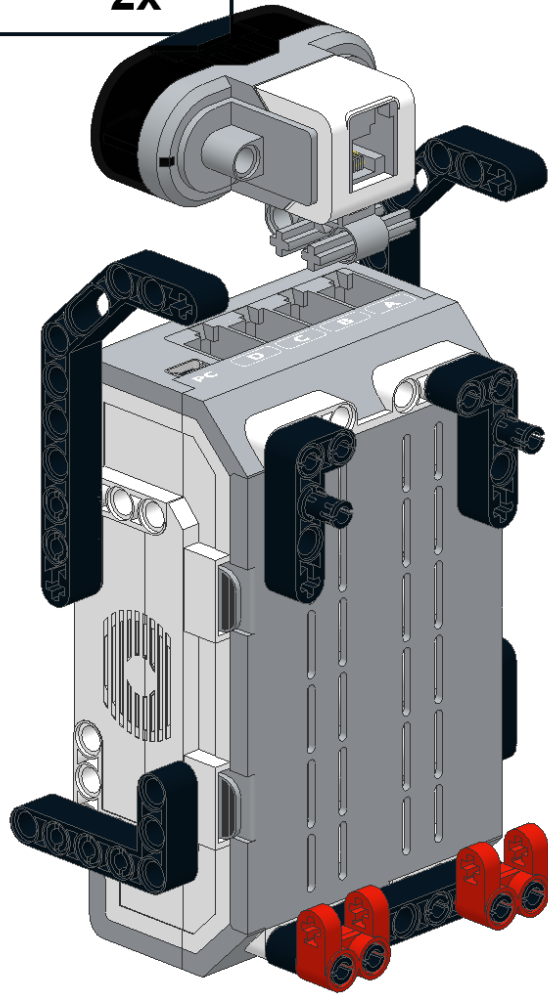
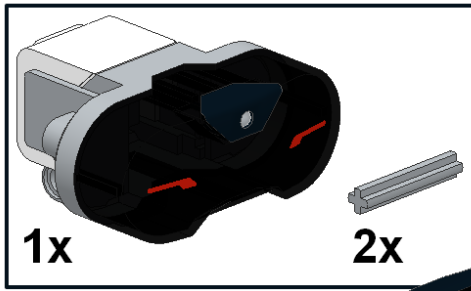
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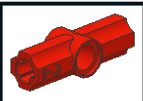


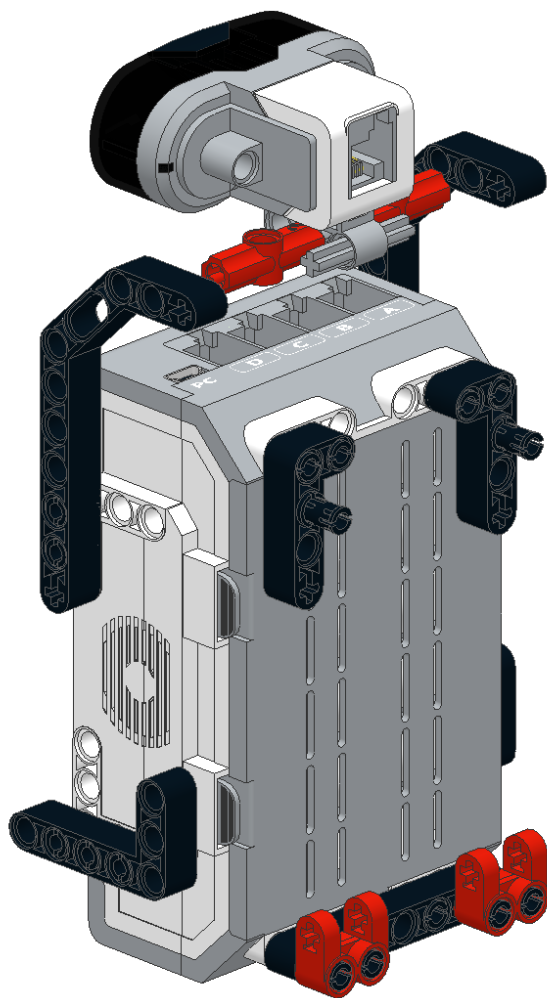
12




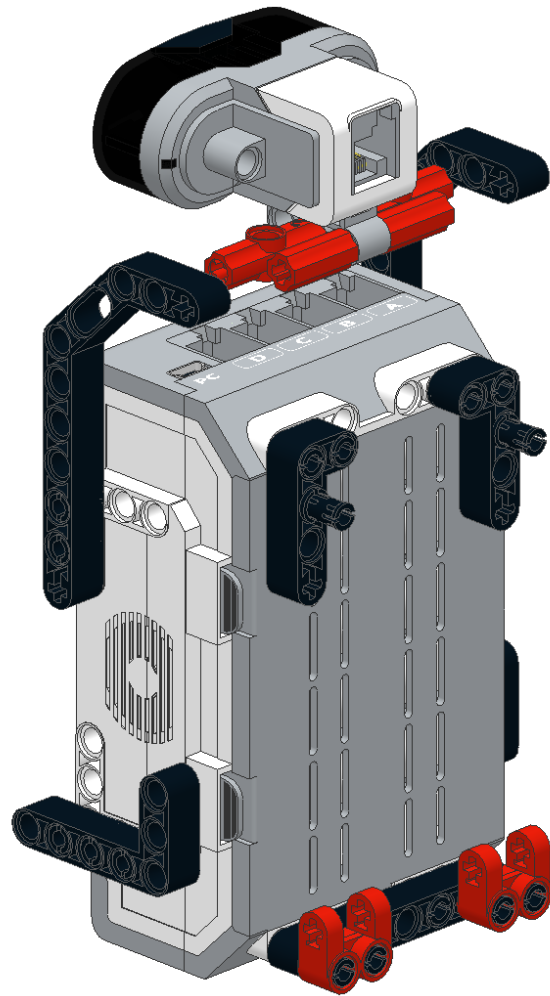
13



14   
2x





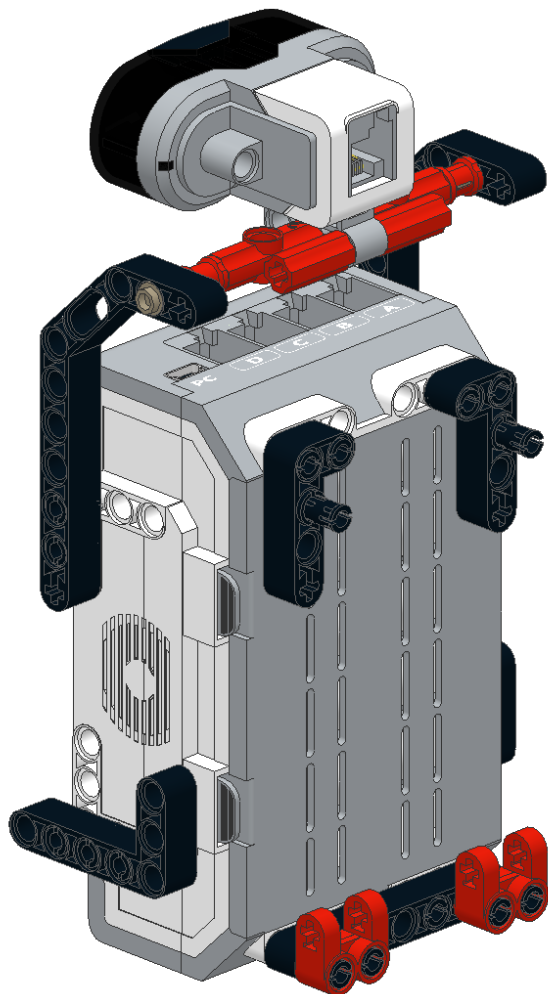
15  2x

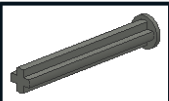


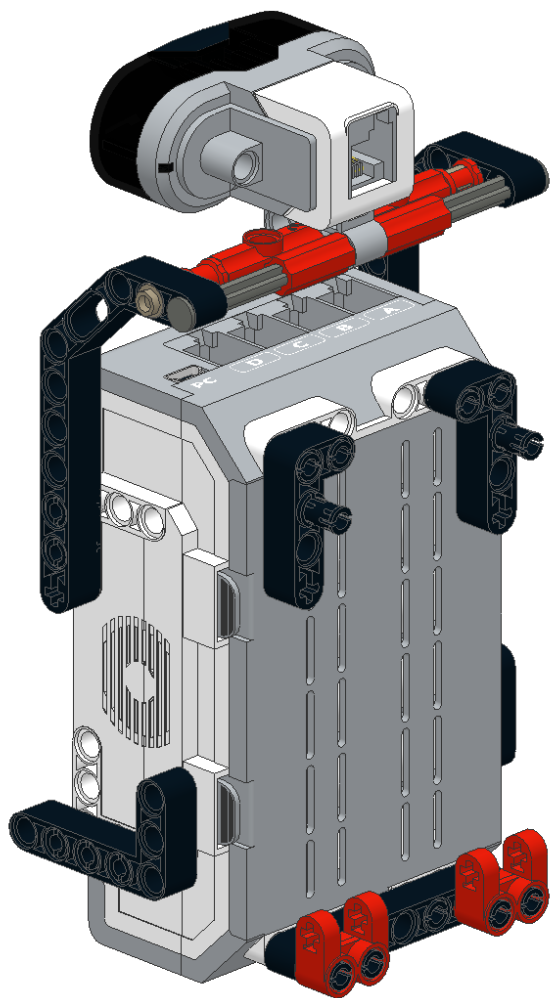



16

	
2x	2x



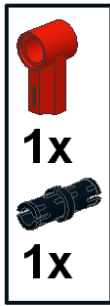
17   
2x



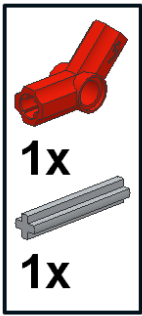
18   
2x




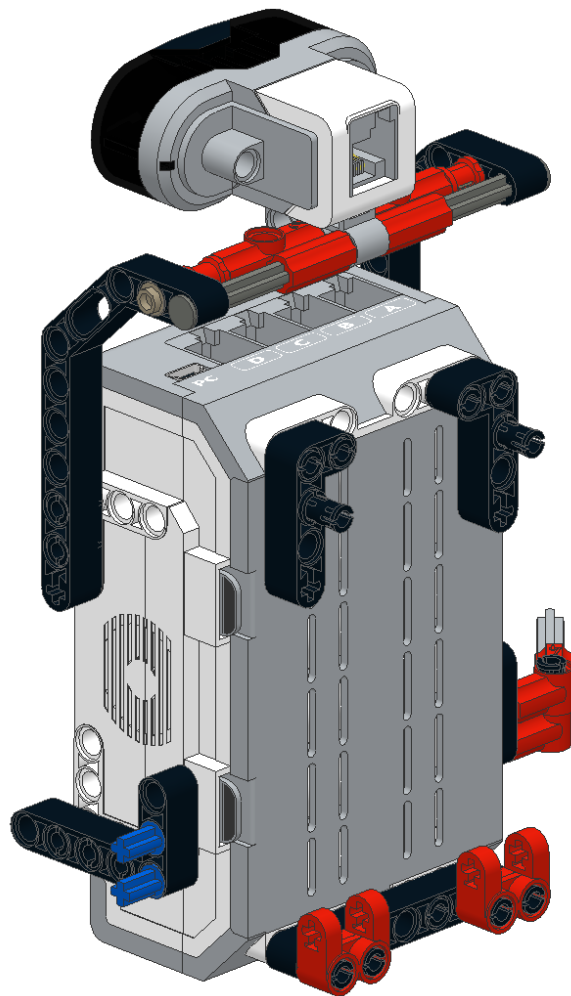
19



20



21   
2x



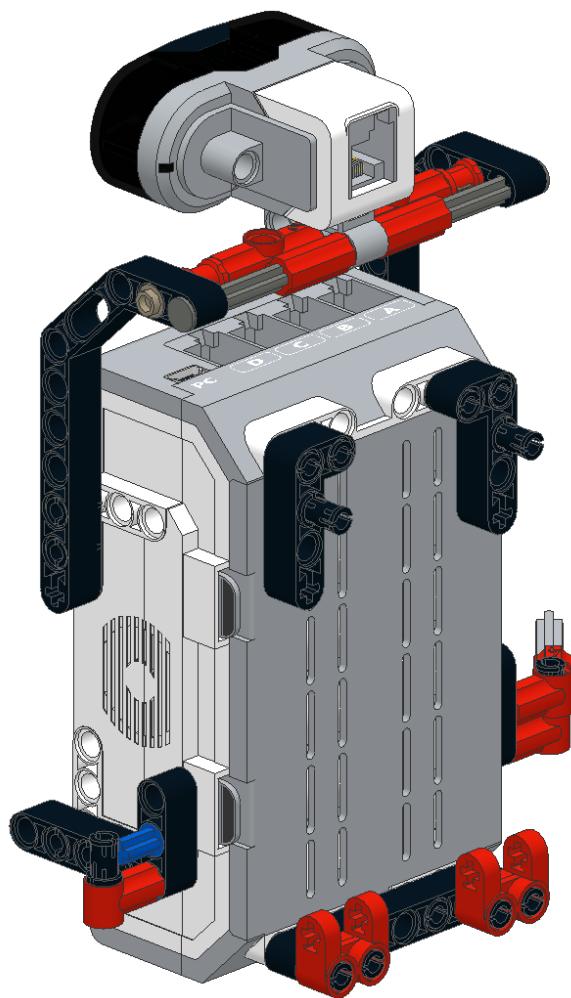
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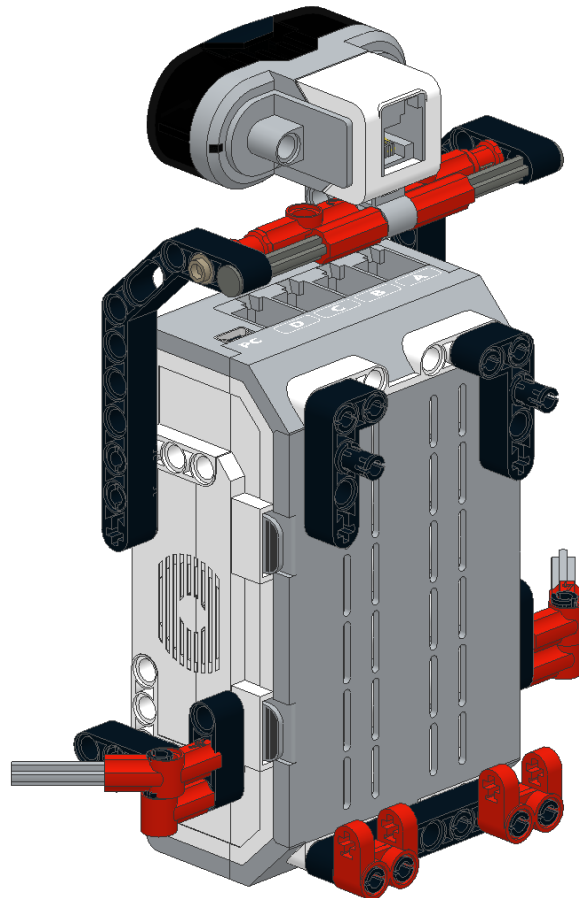
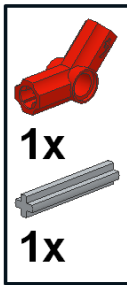
1x



1x



23

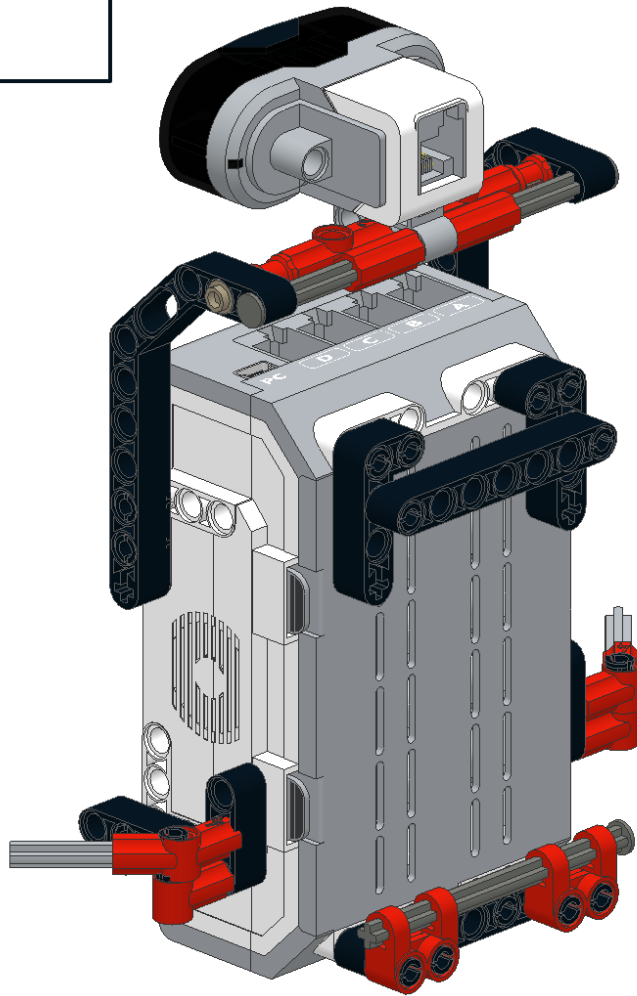
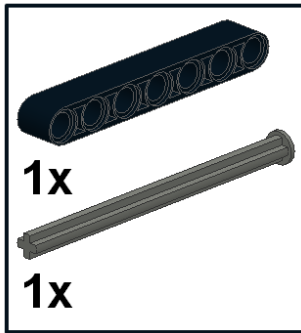


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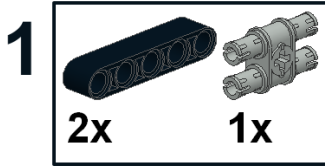
**Before Next Step:** Route 4 wires (1 x 25cm, 1 x 35cm, 2 x 50cm) along the back side of the EV3 brick. The next 2 pieces will secure the wires in place.



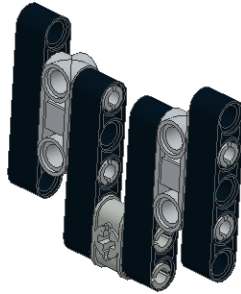
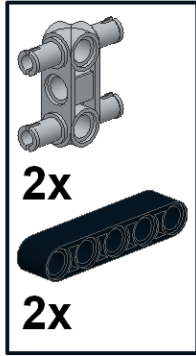
24



# Arms

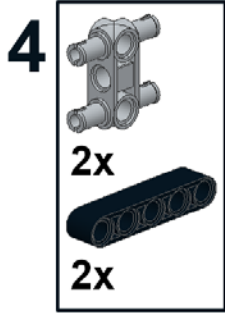


**2**

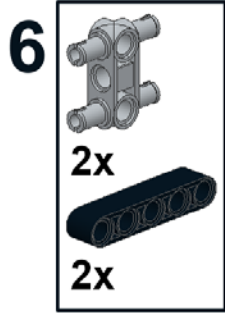


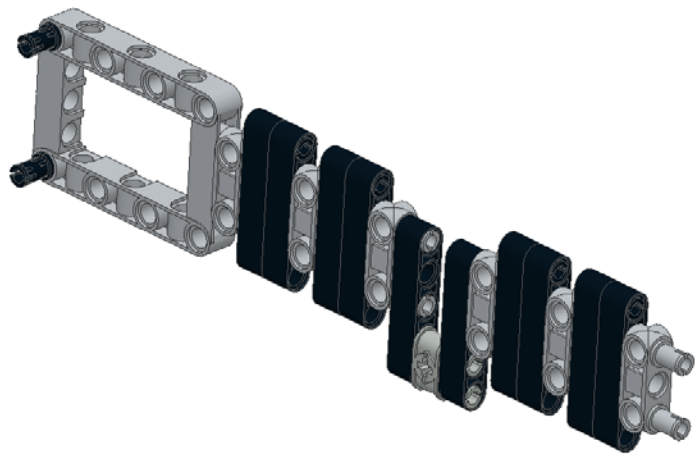
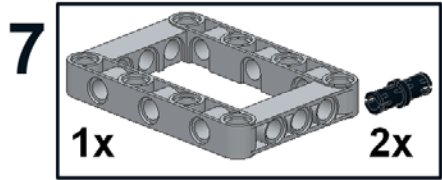
3   
4x



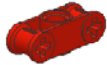


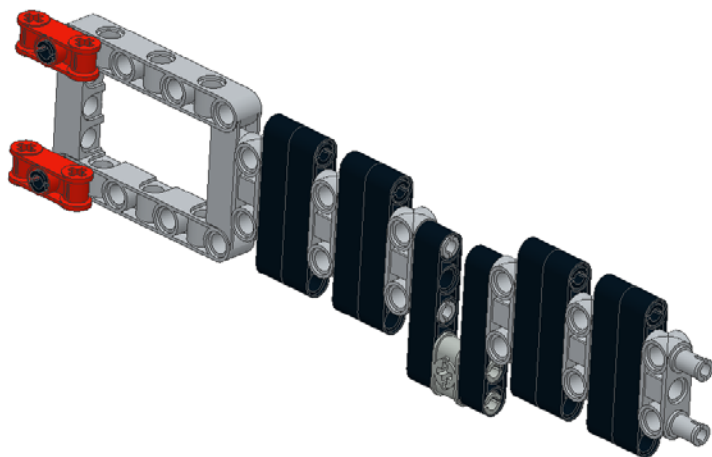




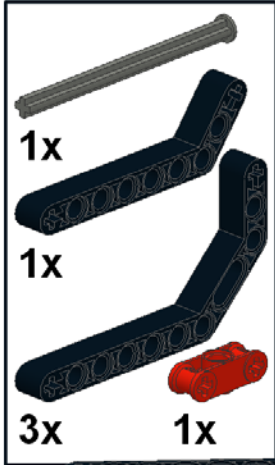




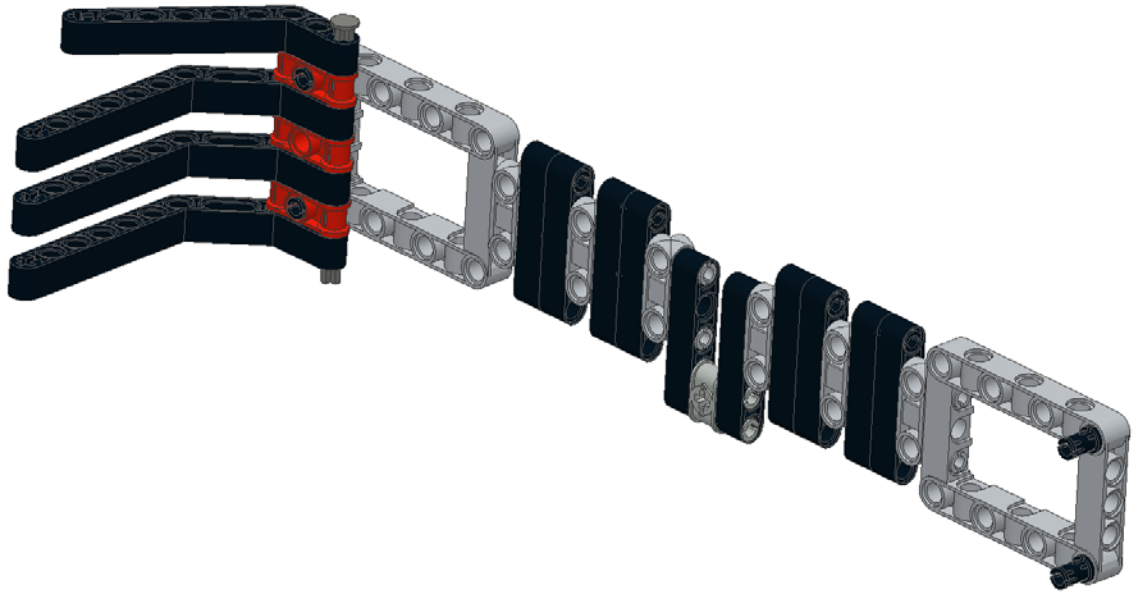
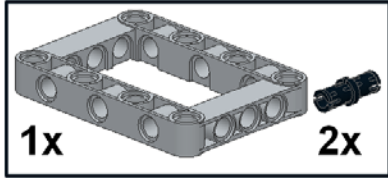
8   
2x



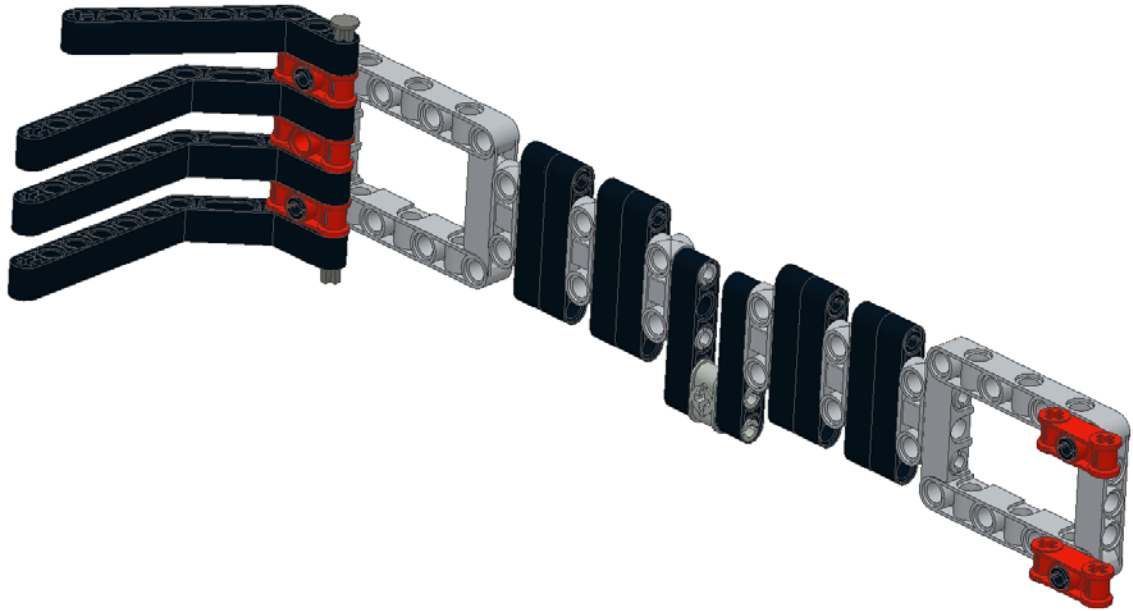
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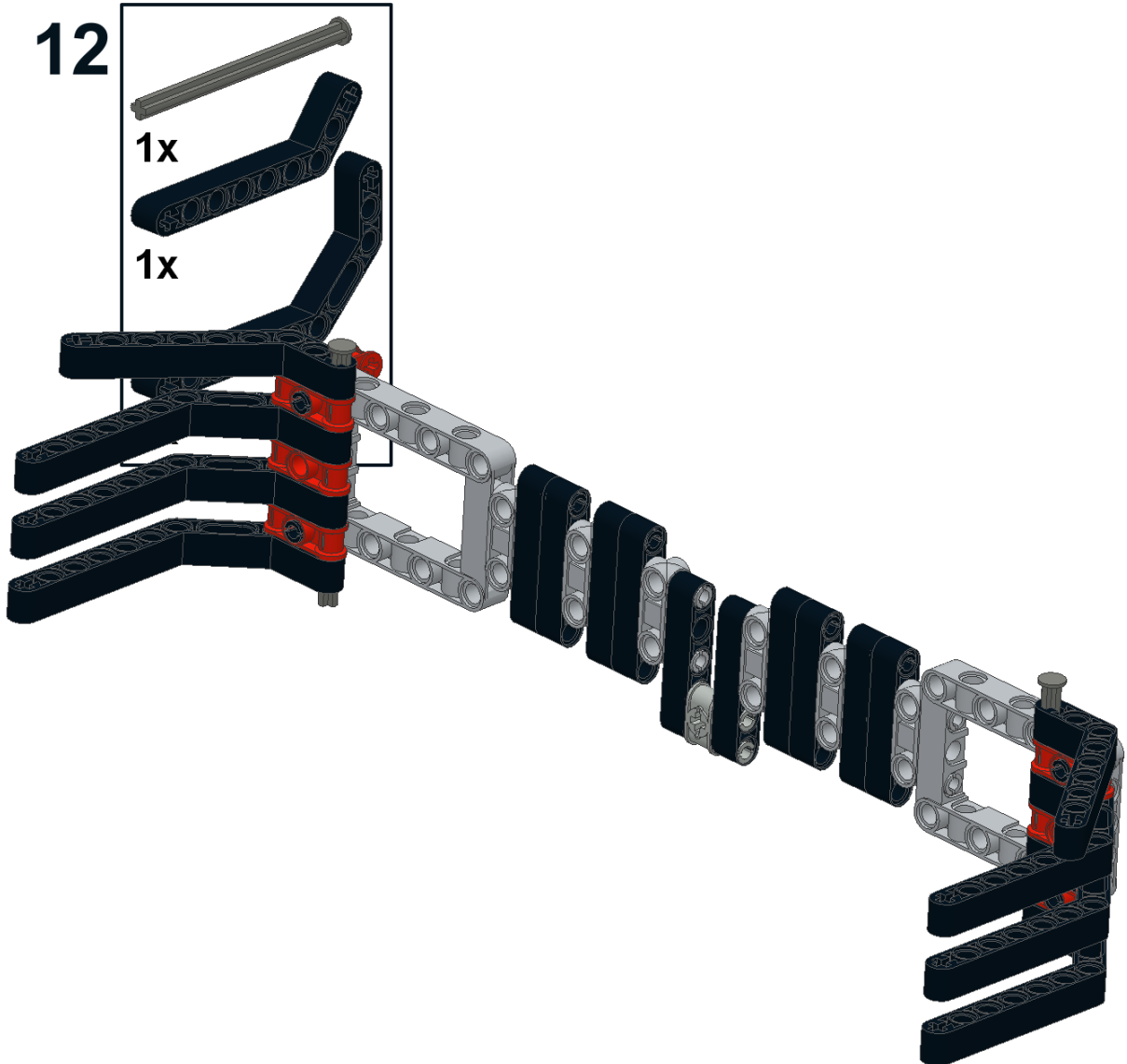


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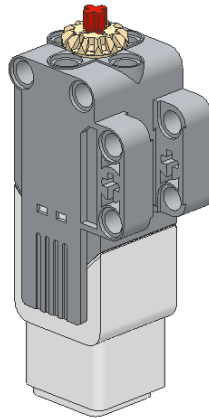
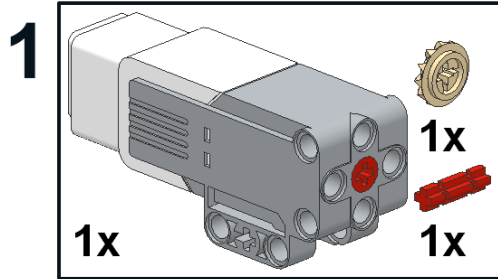


11   
2x

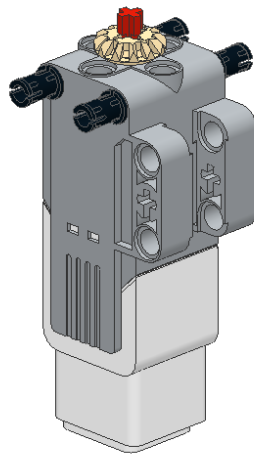




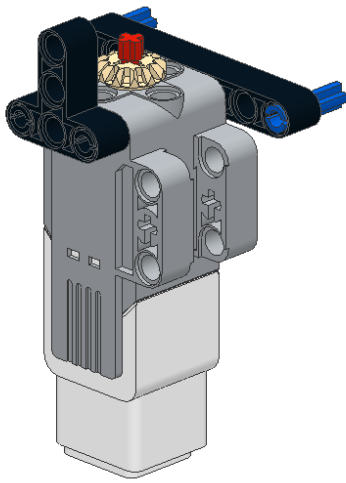
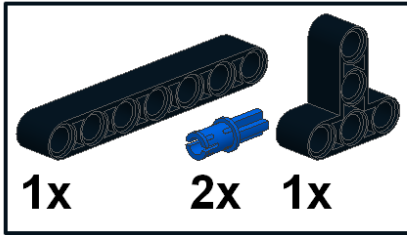
# Arm Control Motor



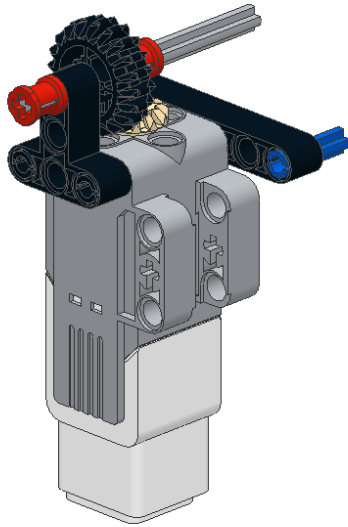
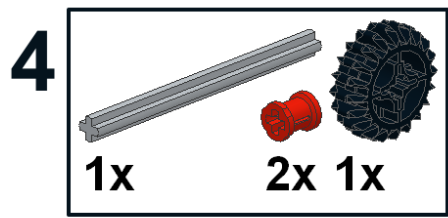
2   
4x

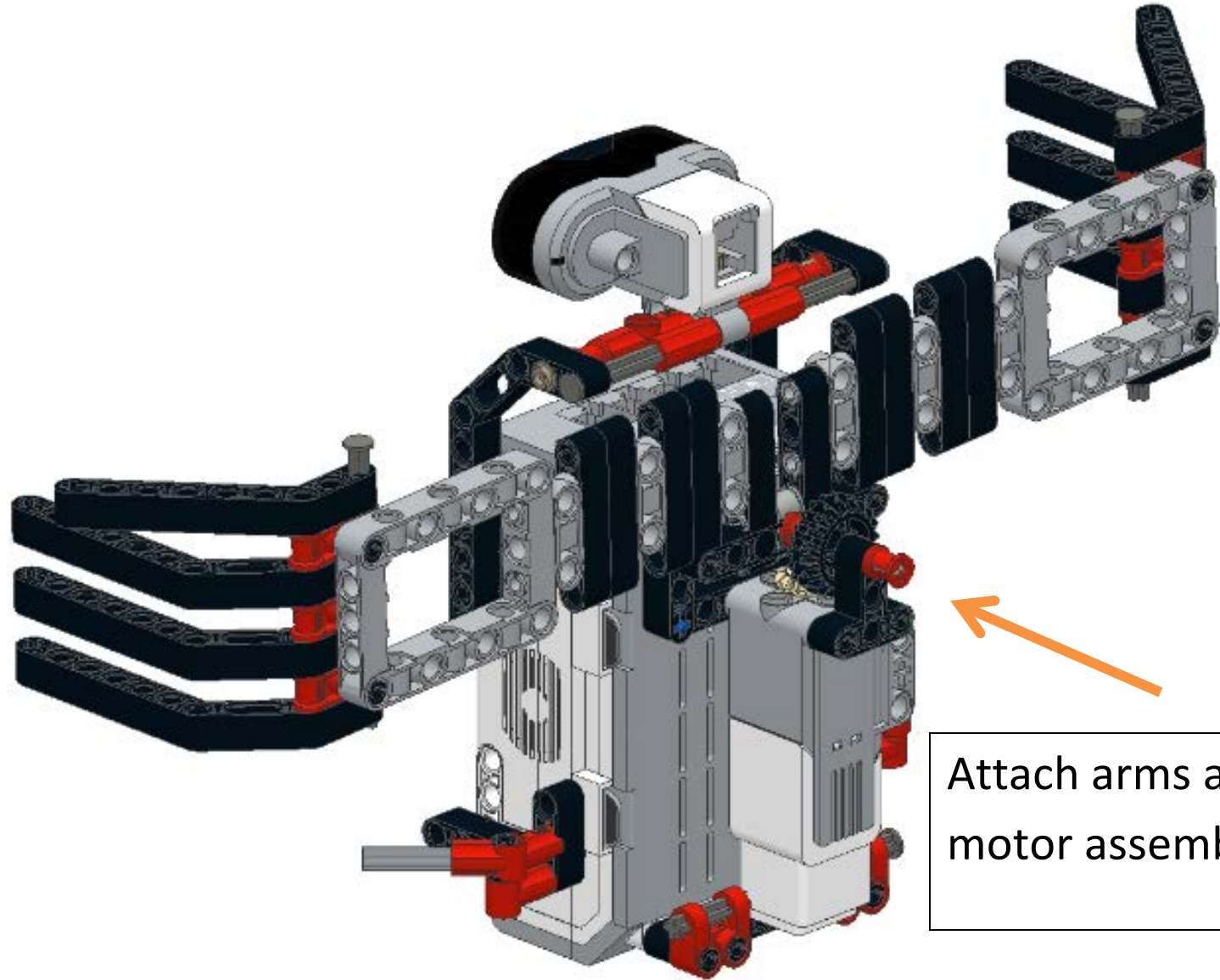


**3**





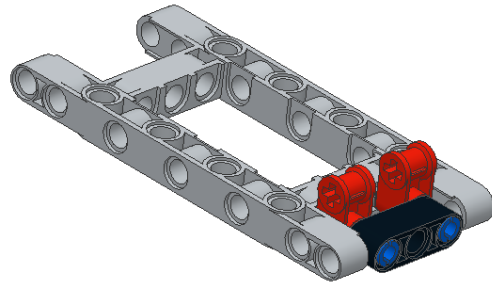
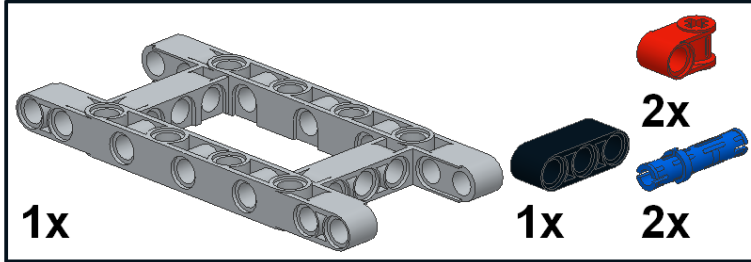




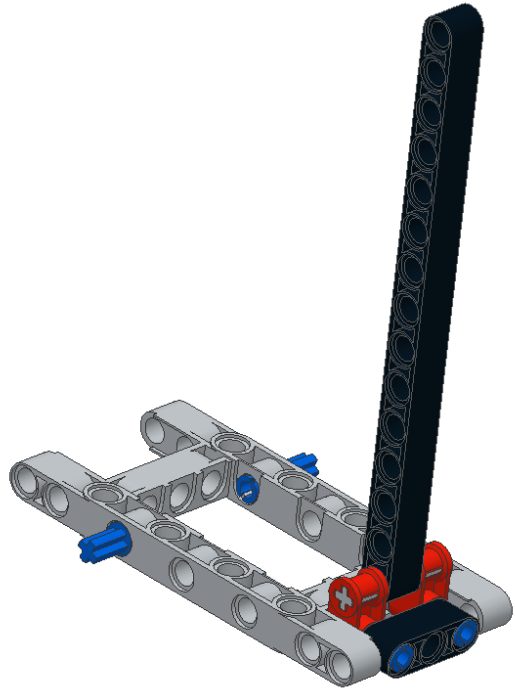
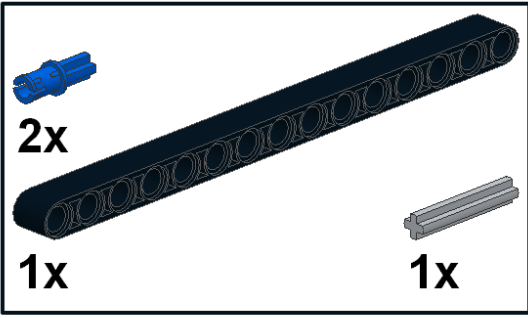
Attach arms and small motor assembly.

# Right Leg

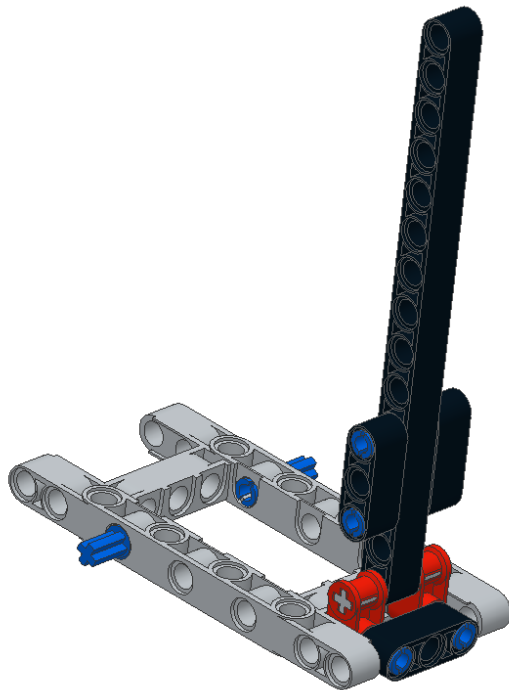
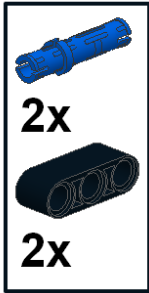
1



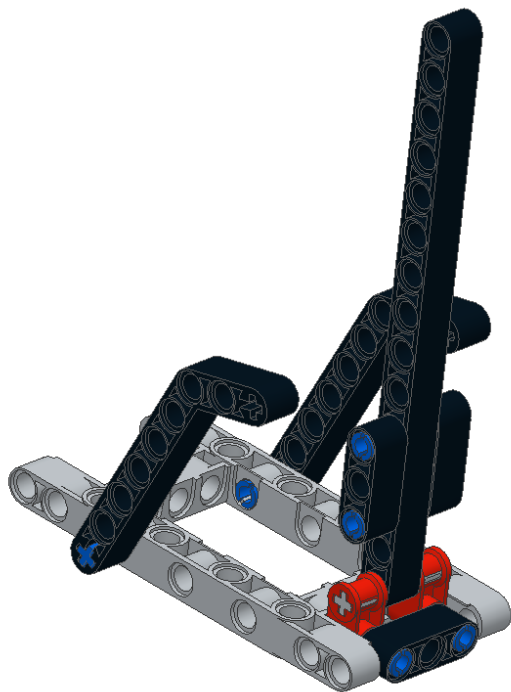
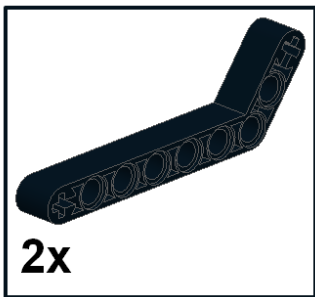
2



3



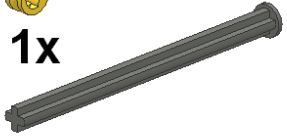
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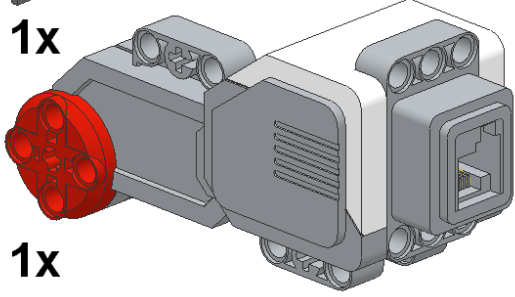
**5**



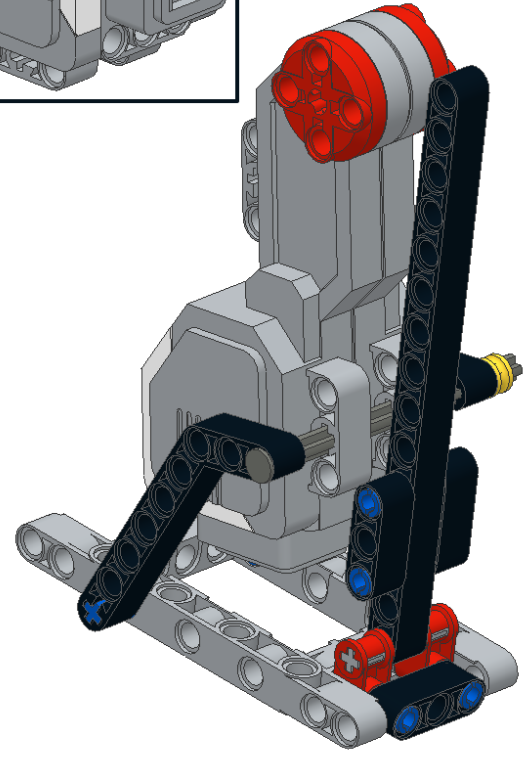
**1x**



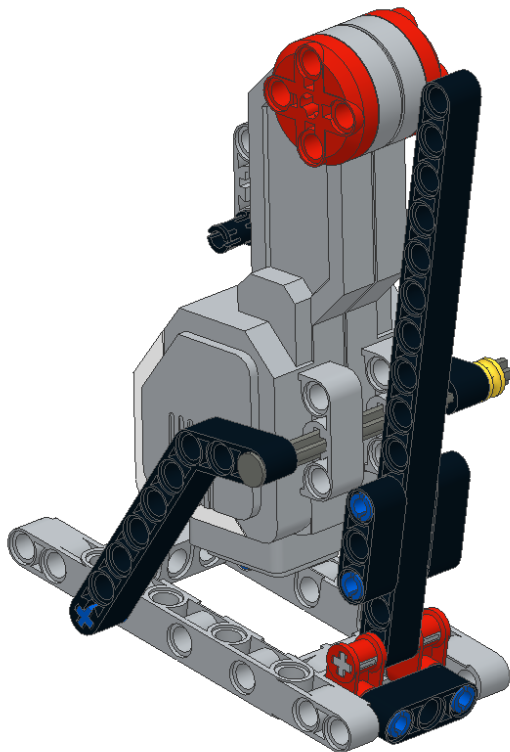
**1x**



**1x**



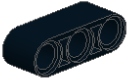


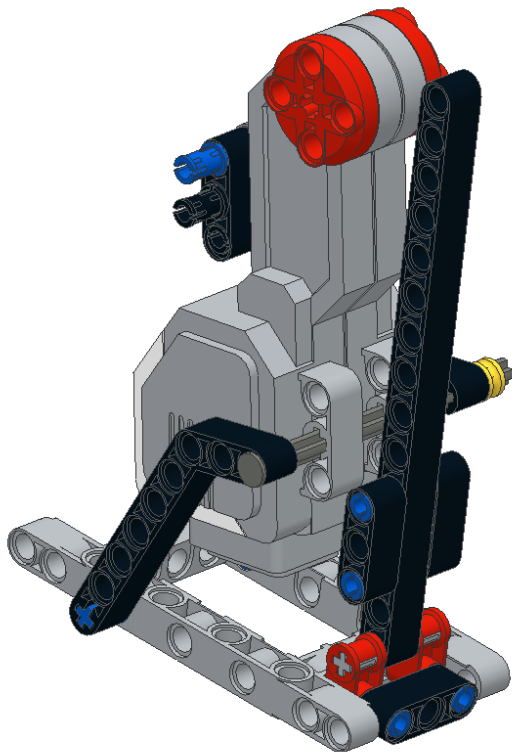
6   
1x



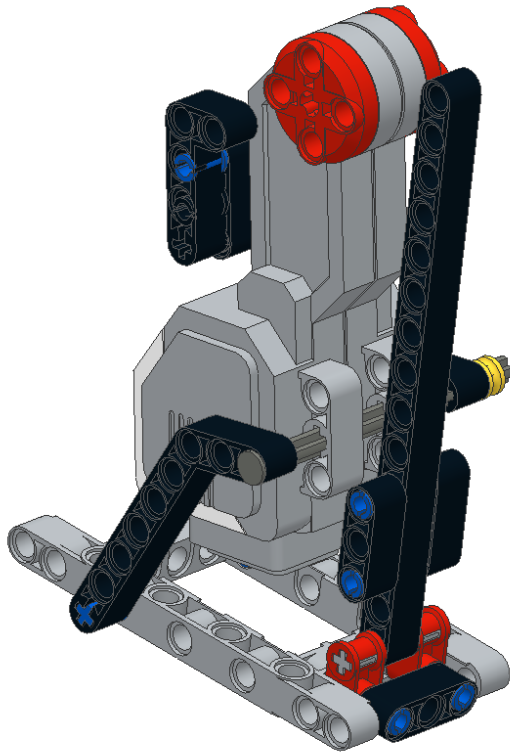
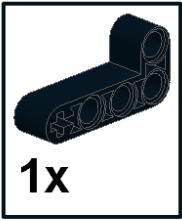


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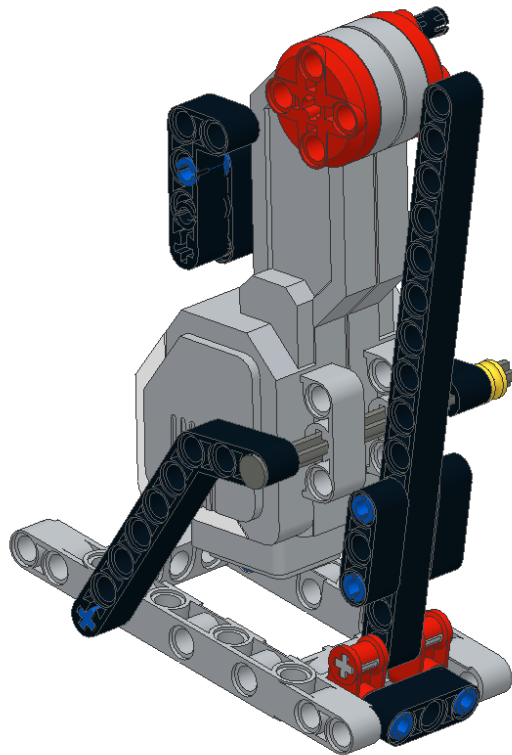
-   
1x
-   
1x
-   
1x



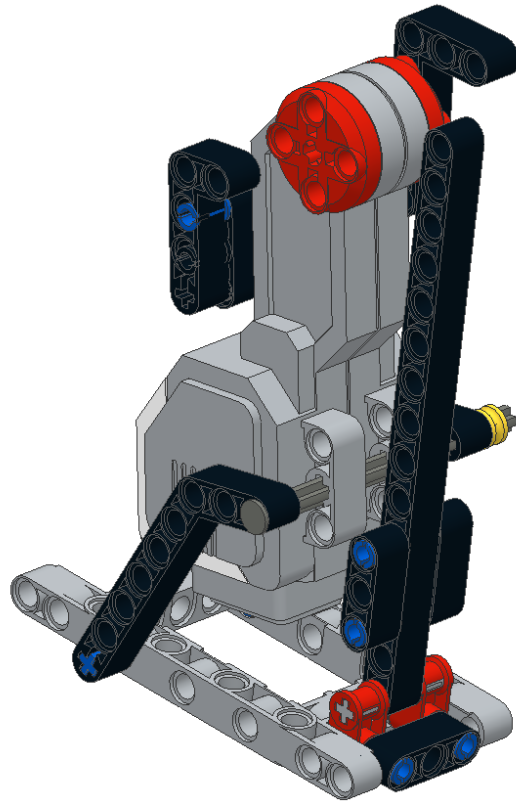
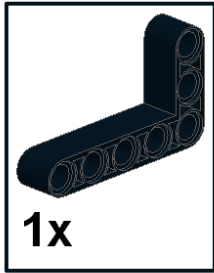
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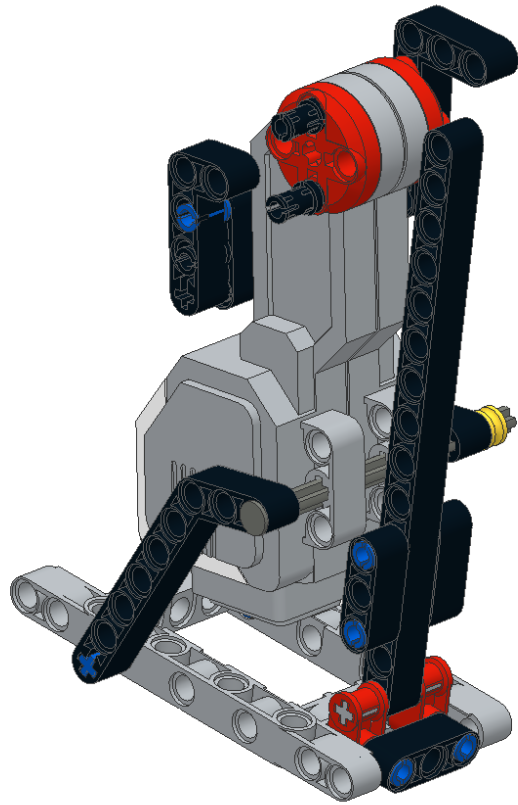
9   
2x



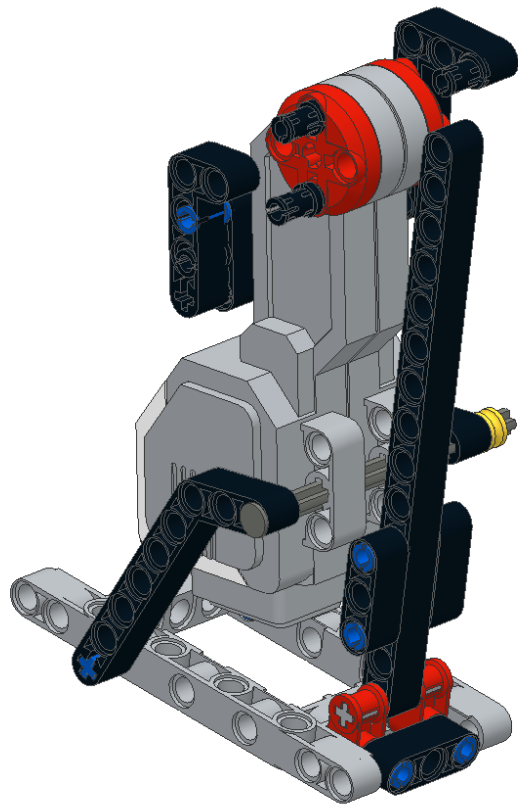
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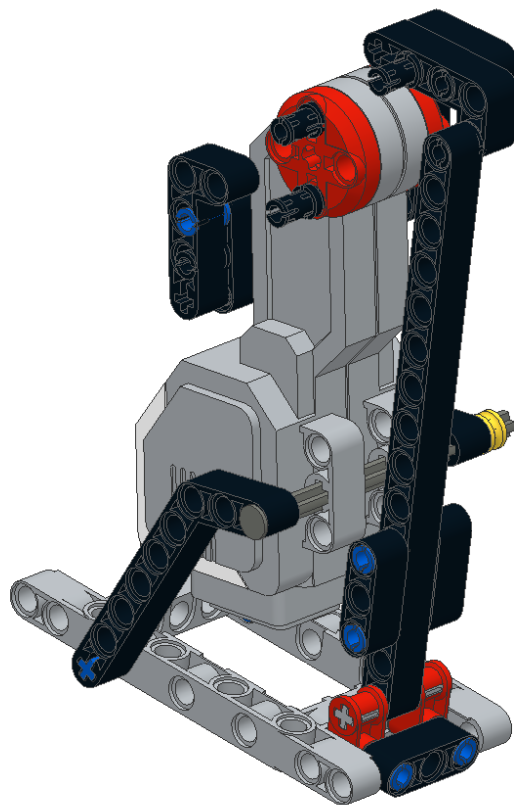
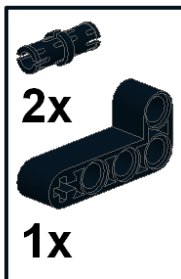
11



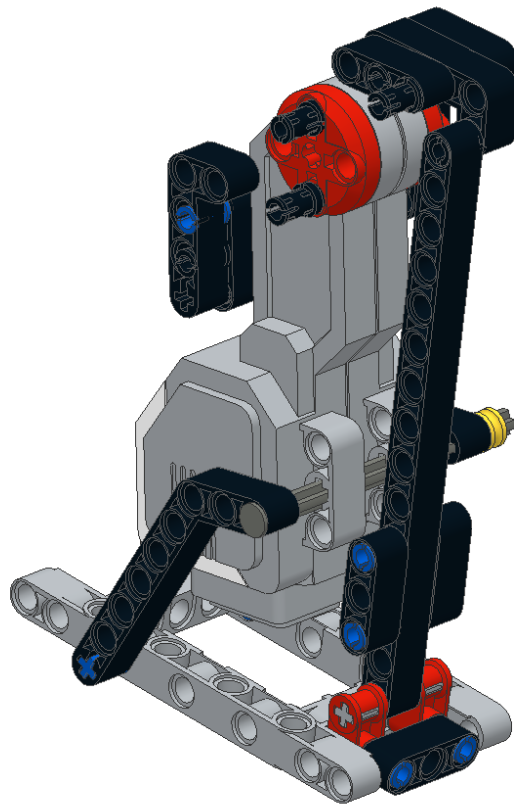
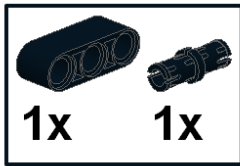
12   
1x



13

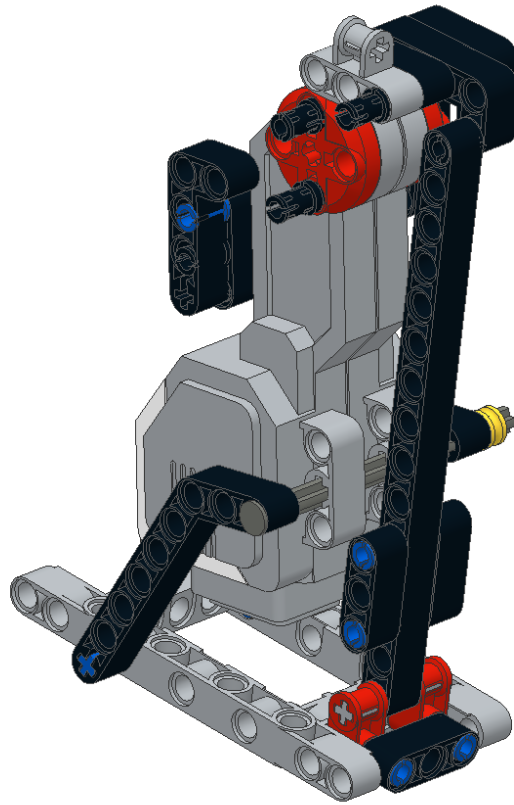
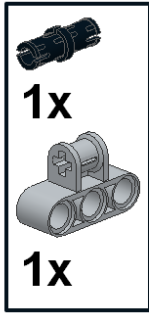


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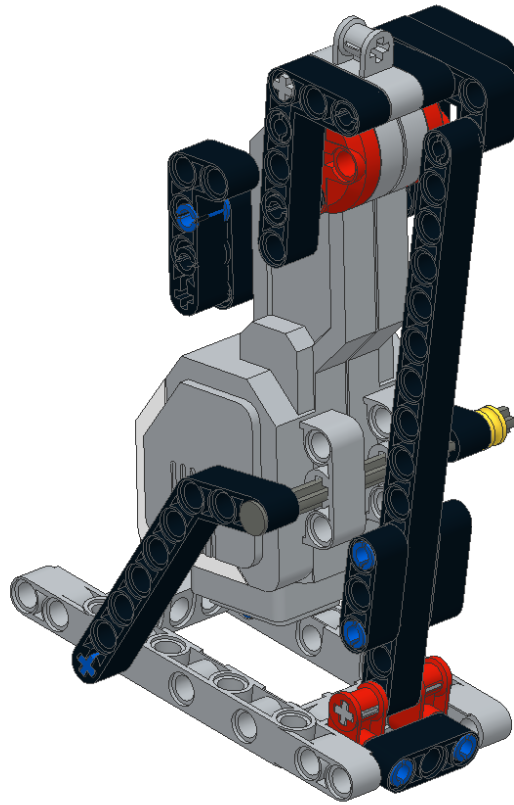
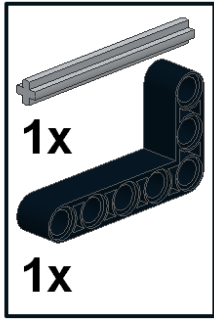




15

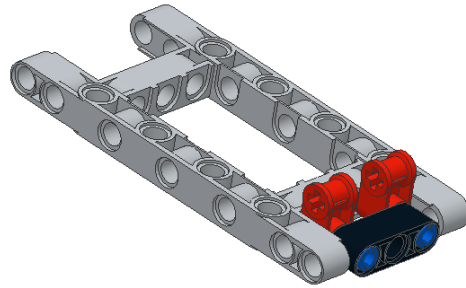
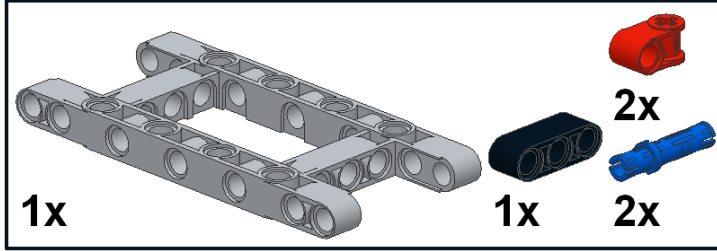


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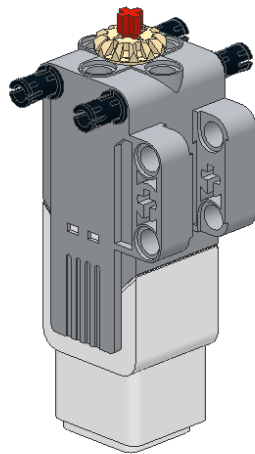


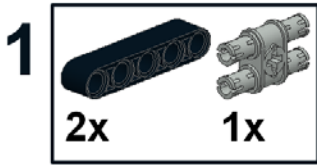
# Left Leg

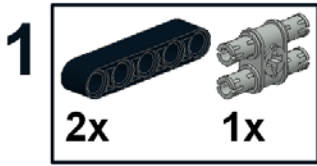
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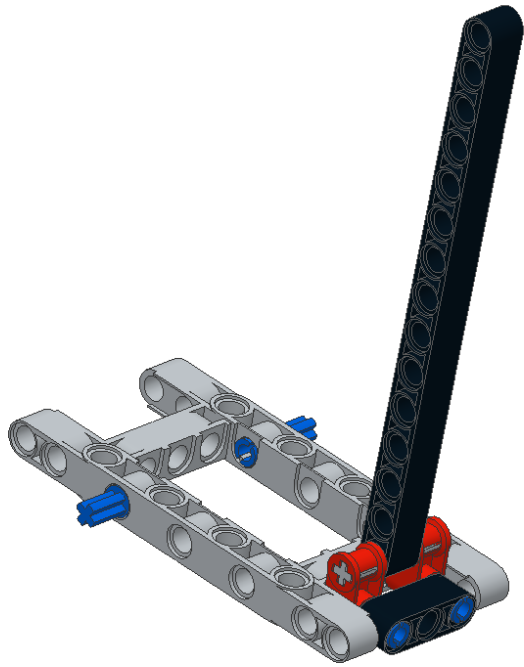
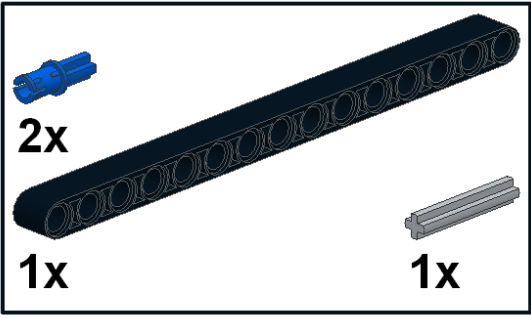
2   
4x



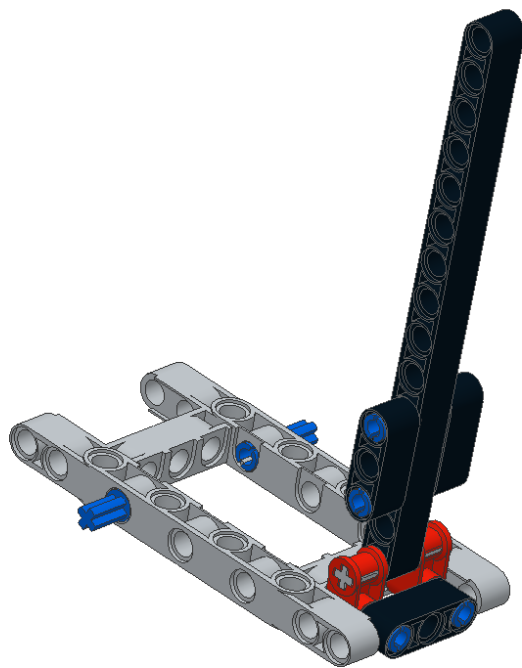
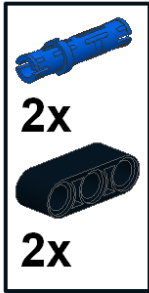




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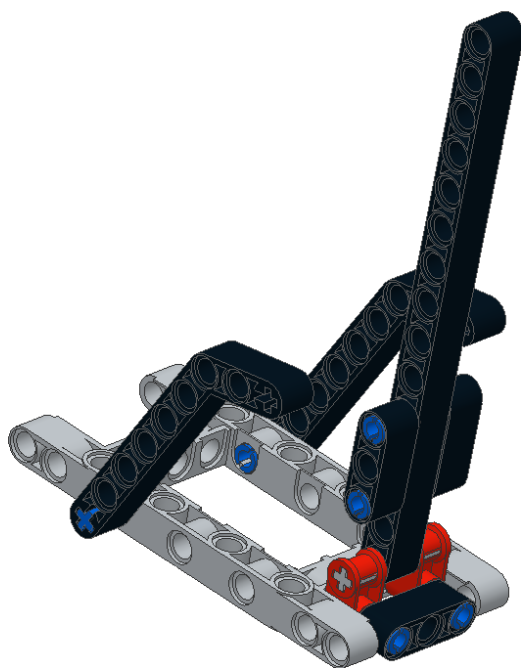


3





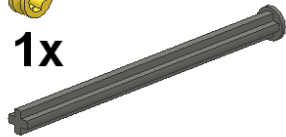
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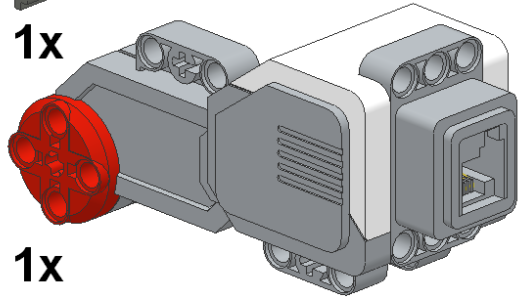
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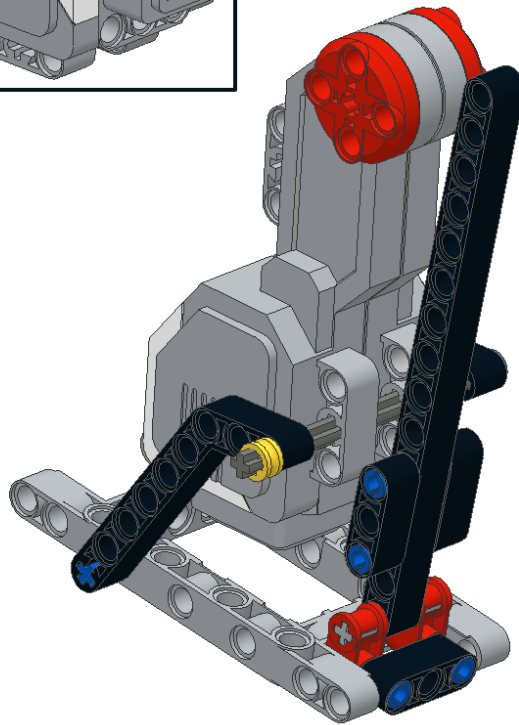
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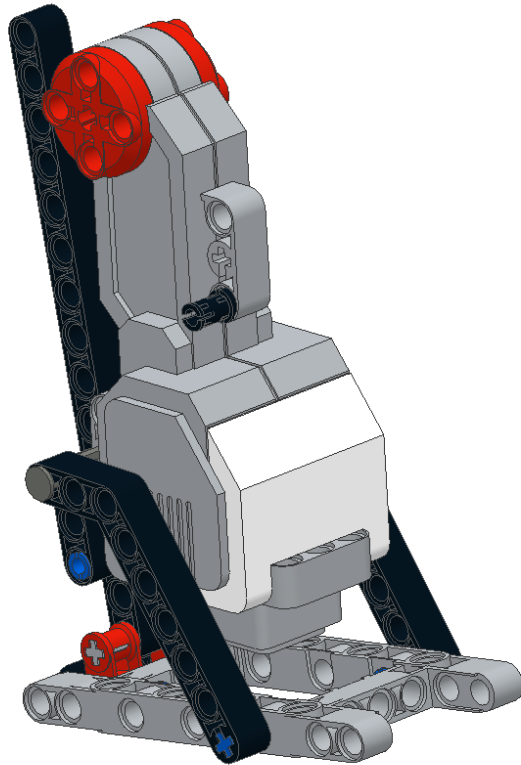
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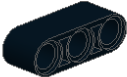
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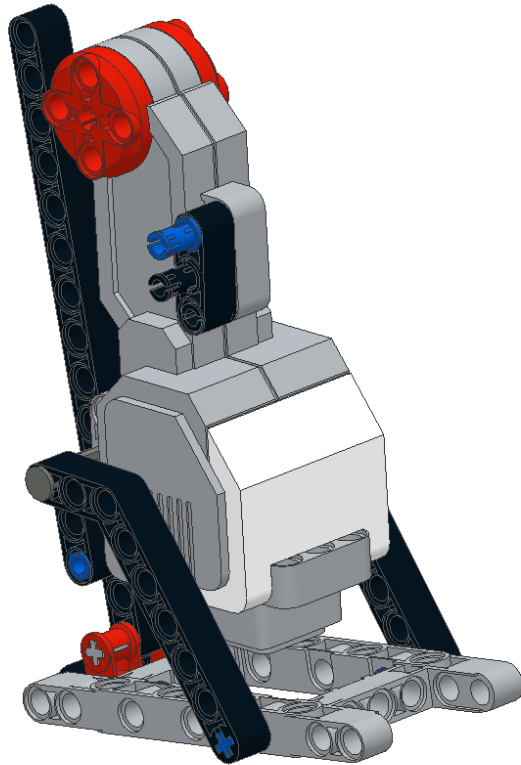


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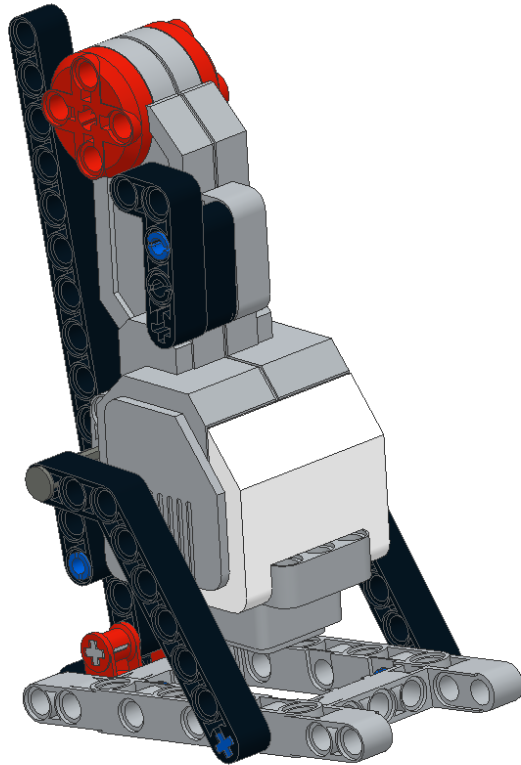
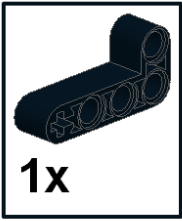


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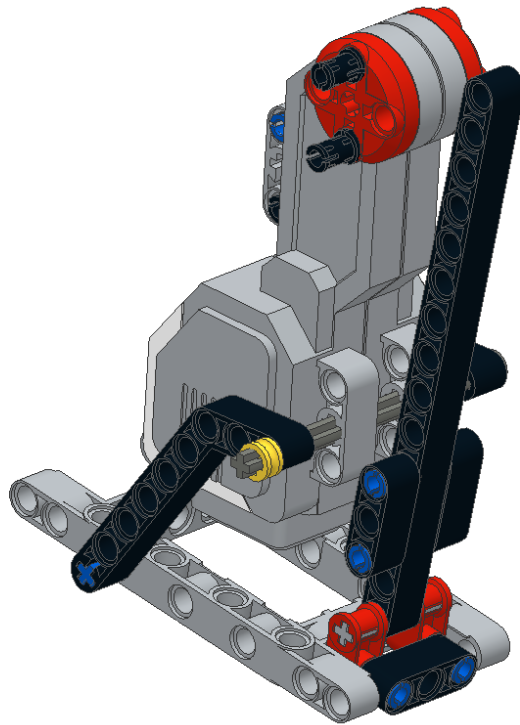
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-  1x
-  1x



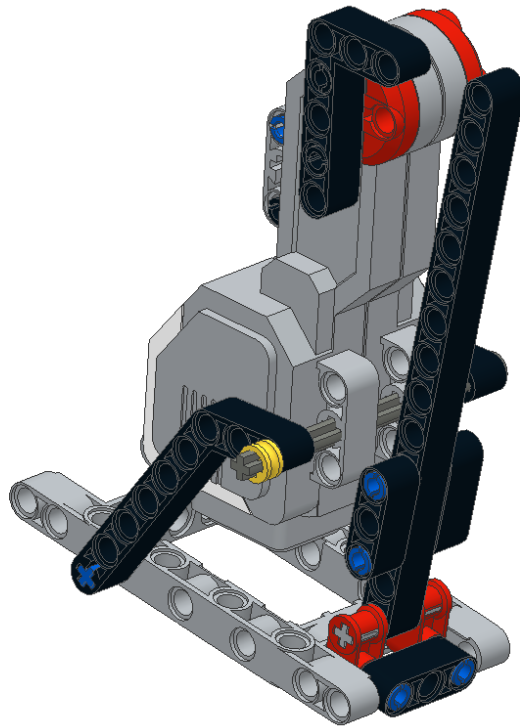
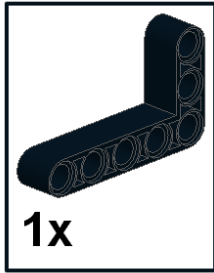
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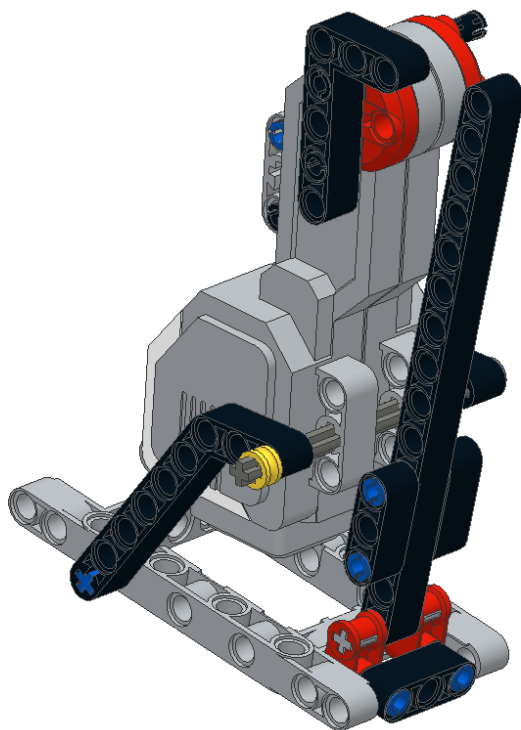
9   
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10

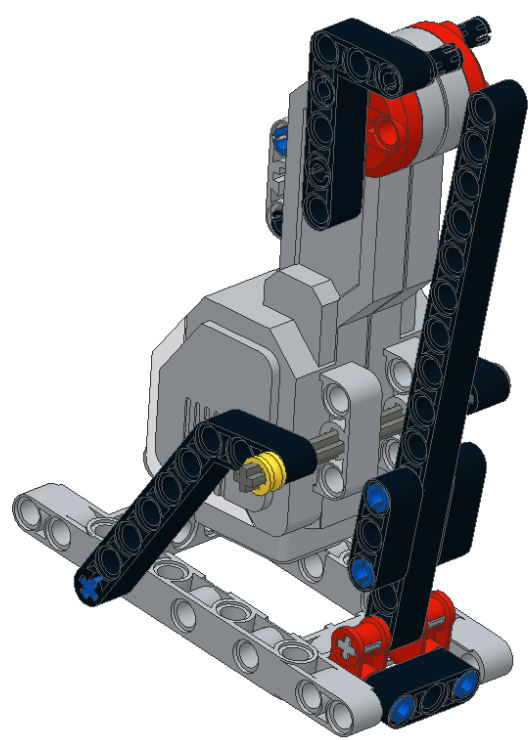


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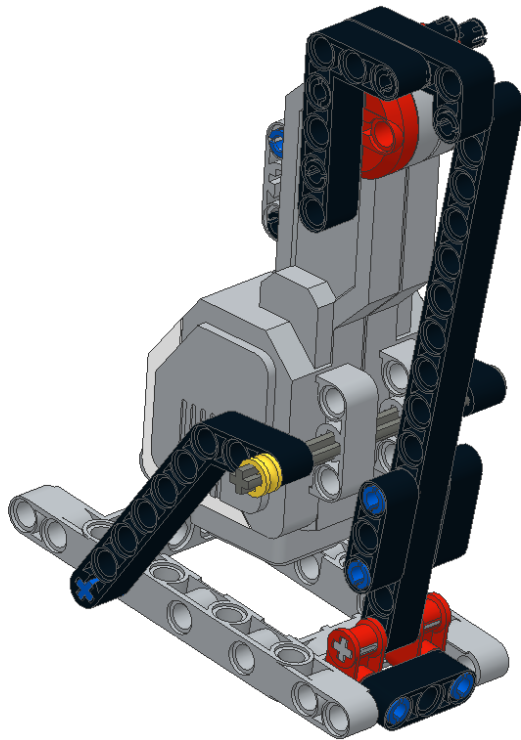
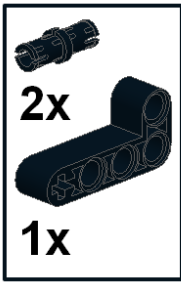




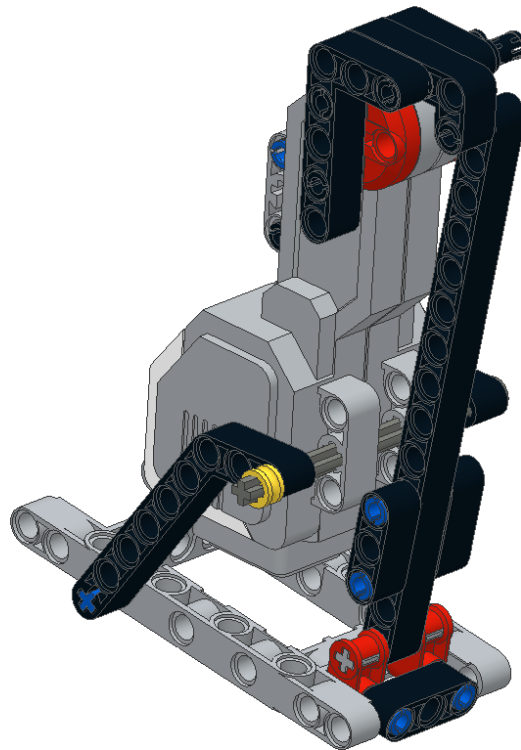
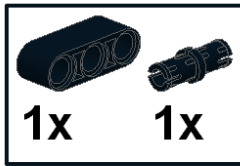
12   
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13

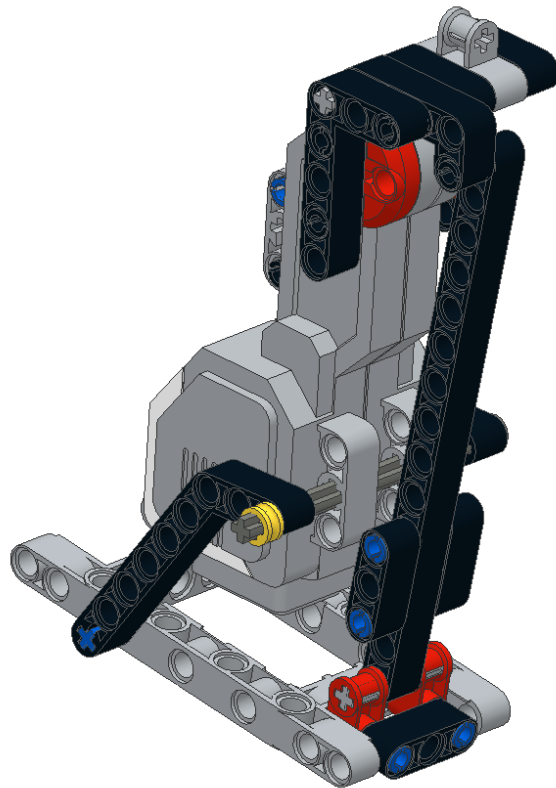
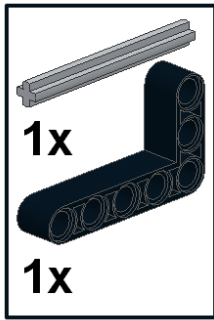


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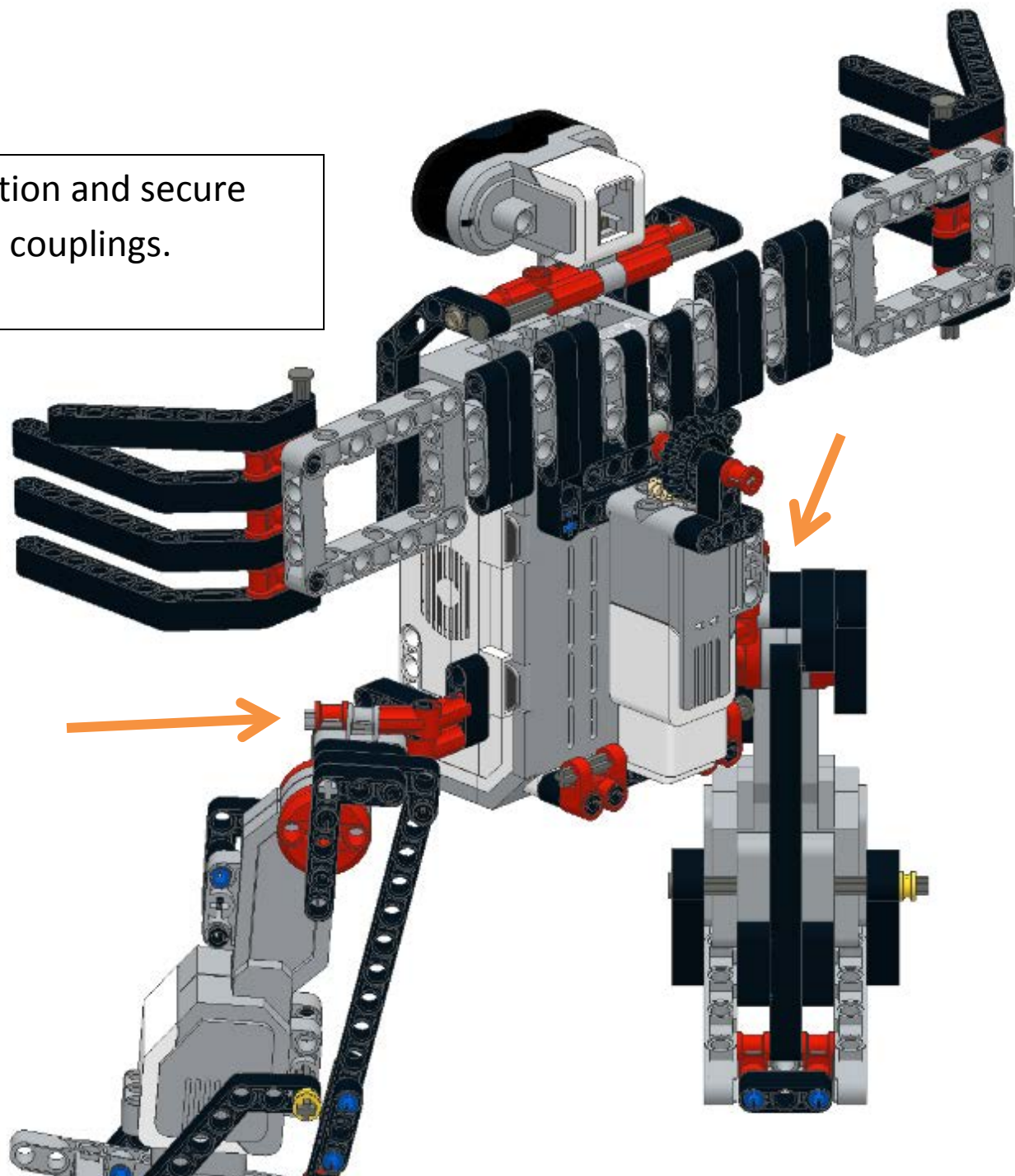




16



Slide legs into position and secure with red cross axle couplings.



## **Connect Wires:**

**25cm Wire from EV3 Infrared Sensor --> EV3 Brick Port 2**

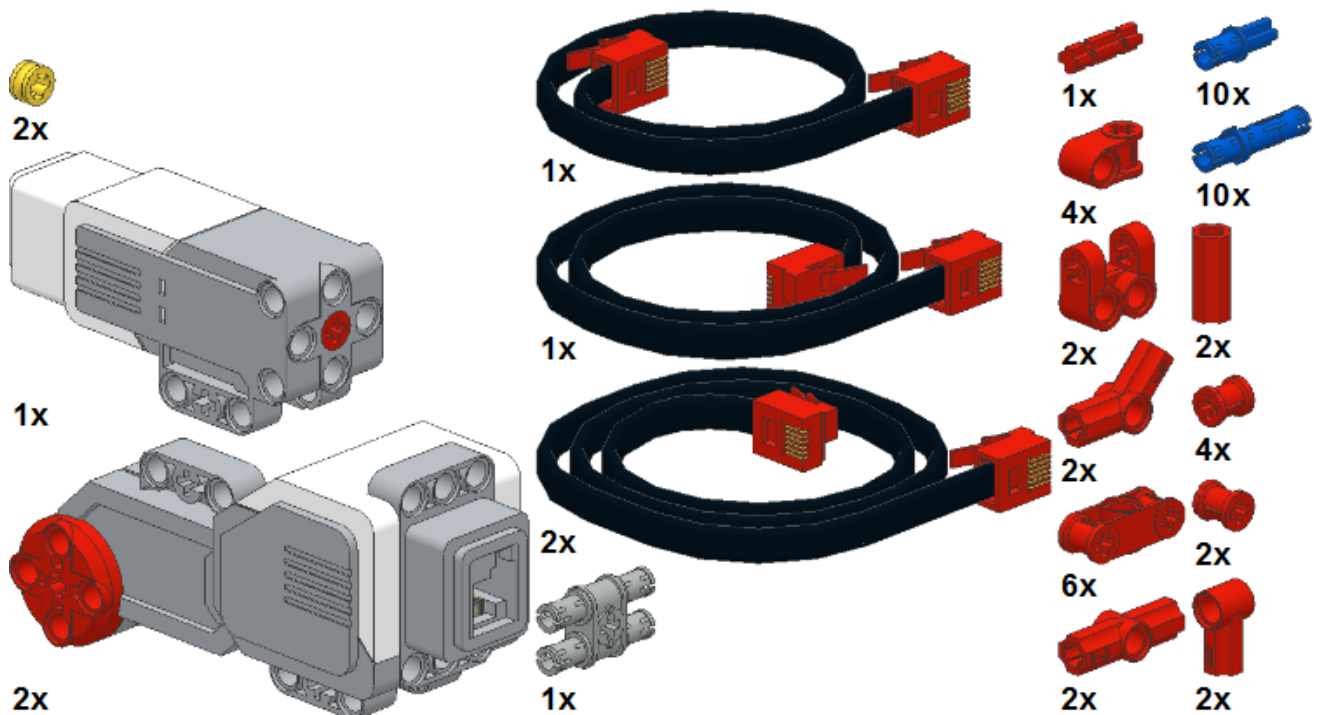
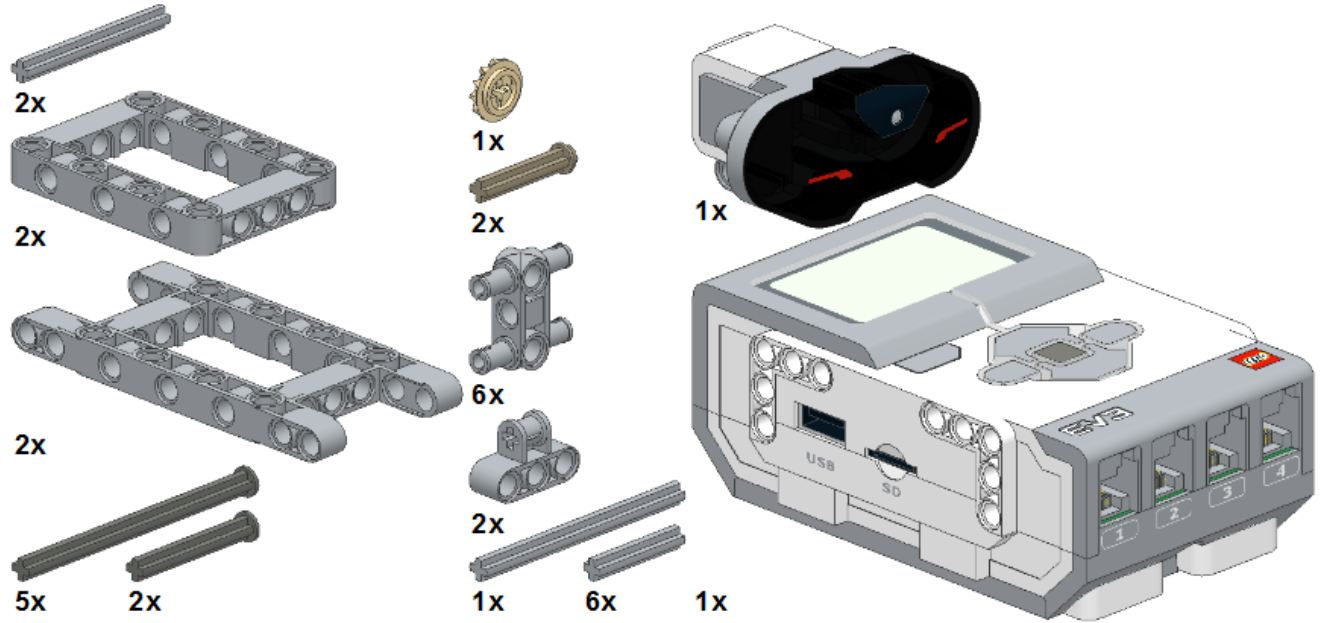
**35cm Wire from Medium Motor → EV3 Brick Port A (Route behind medium motor)**

**50cm Wire from Left Leg large motor → EV3 Brick Port C**

**50cm Wire from Right Leg large motor → EV3 Brick Port B**

**(Route 50cm Wires behind 8cm leg pins and behind medium motor)**

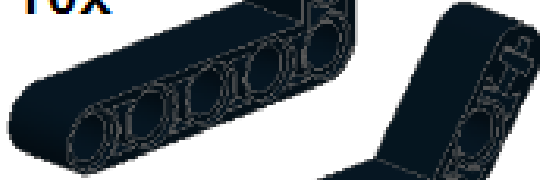
# Parts List



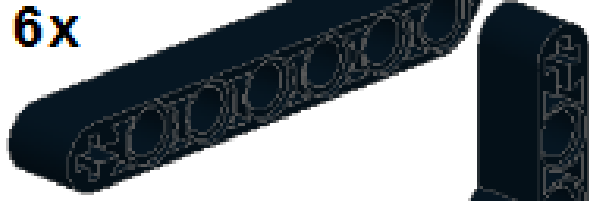




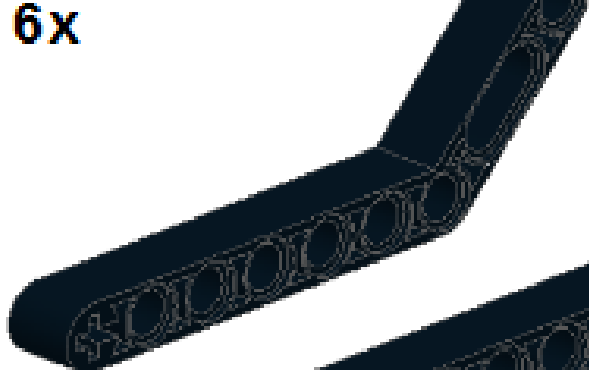
10x



6x



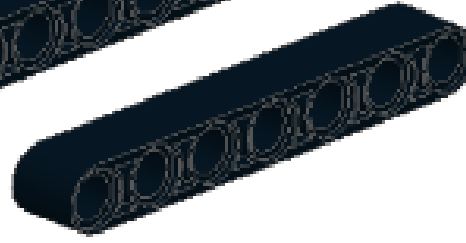
6x



8x



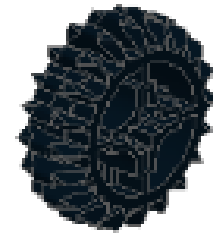
2x



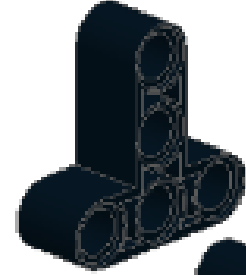
3x



62x



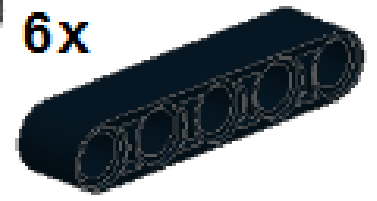
1x



1x



6x



10x