

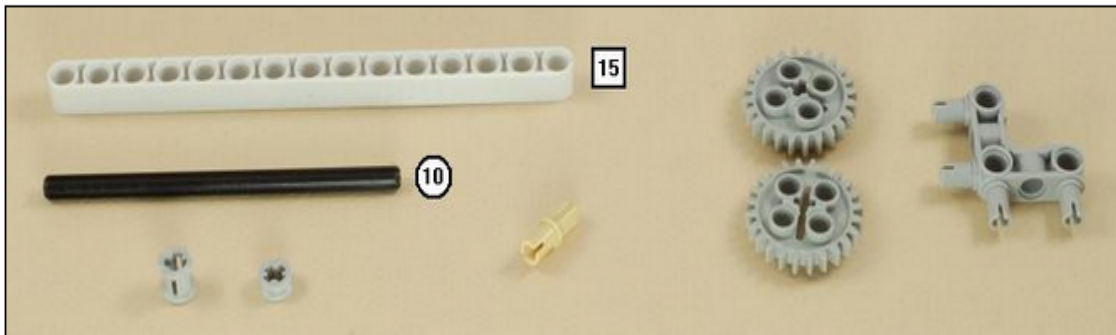
Dolphin

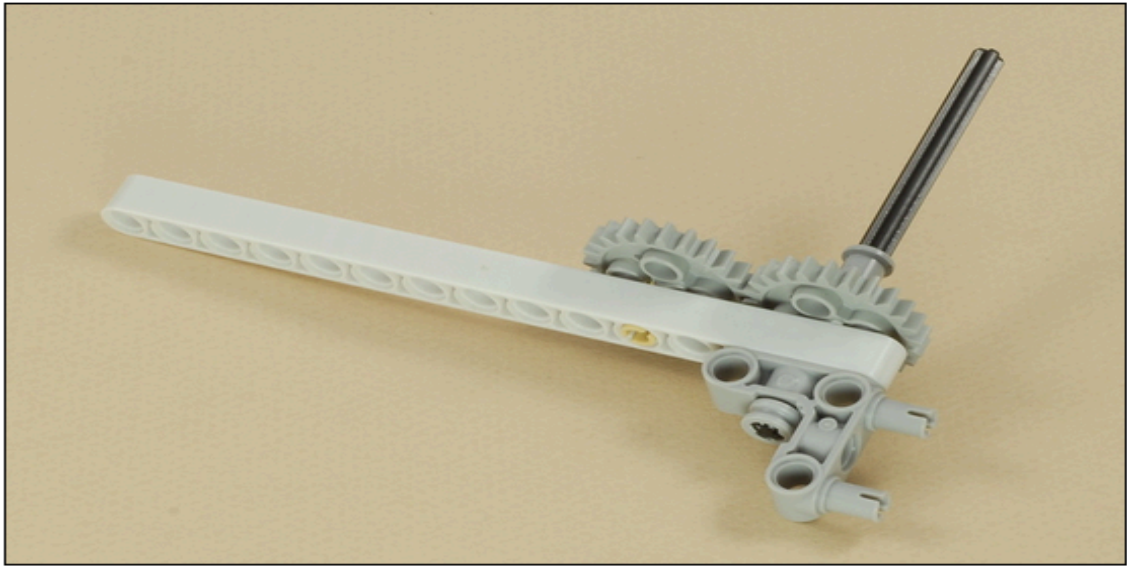
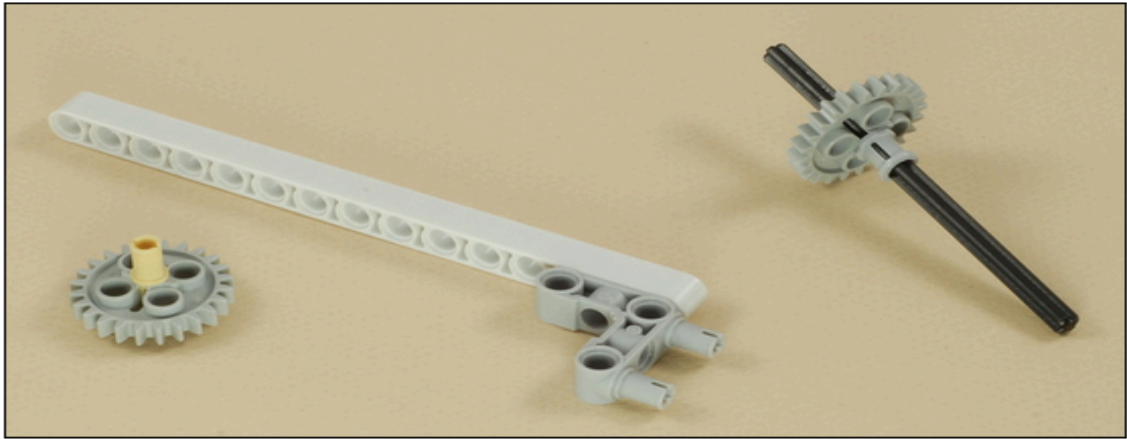
[Watch](#)

- This dolphin moves similar to inch worm.
 - There is a touch sensor that must be pressed in order for the dolphin to start.
 - One of the Motor's duration is 0.3 seconds.
- **Challenges:** Unlike dolphins and whales, most fish swim by moving their tails left and right, not up and down. Can you figure out a way to make something that "swims" across the floor by wagging a tail left and right? What kind of mechanical trick might make that work?

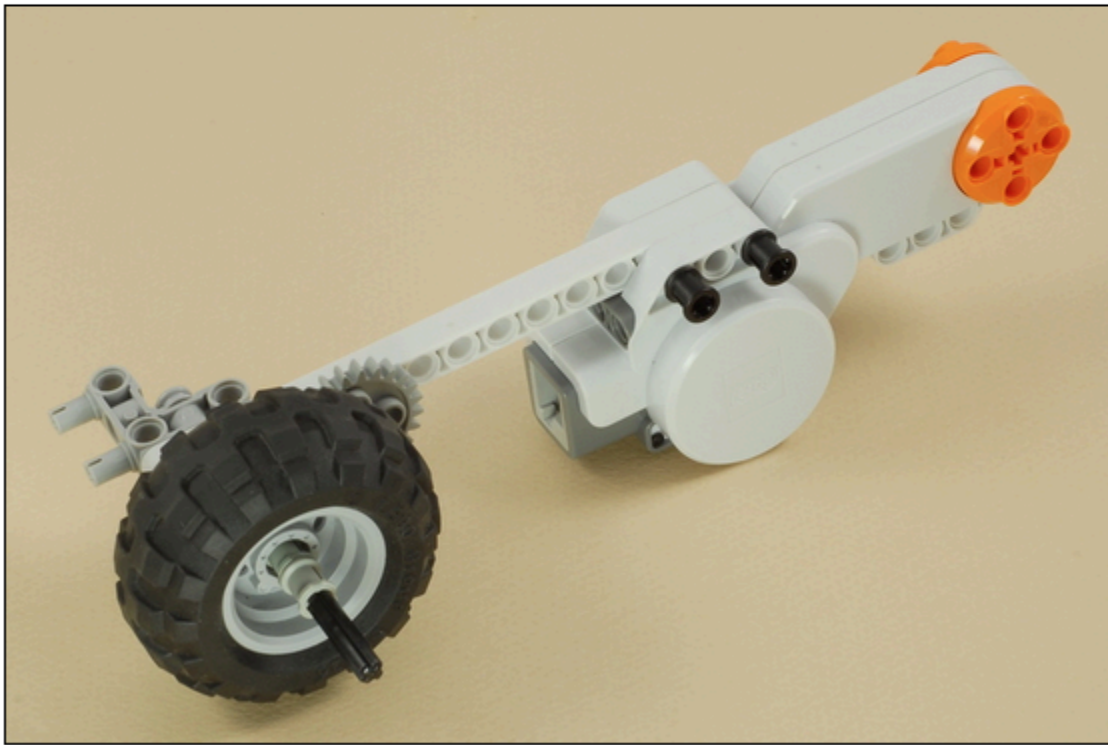
Remember to test your Dolphin on carpet!

1

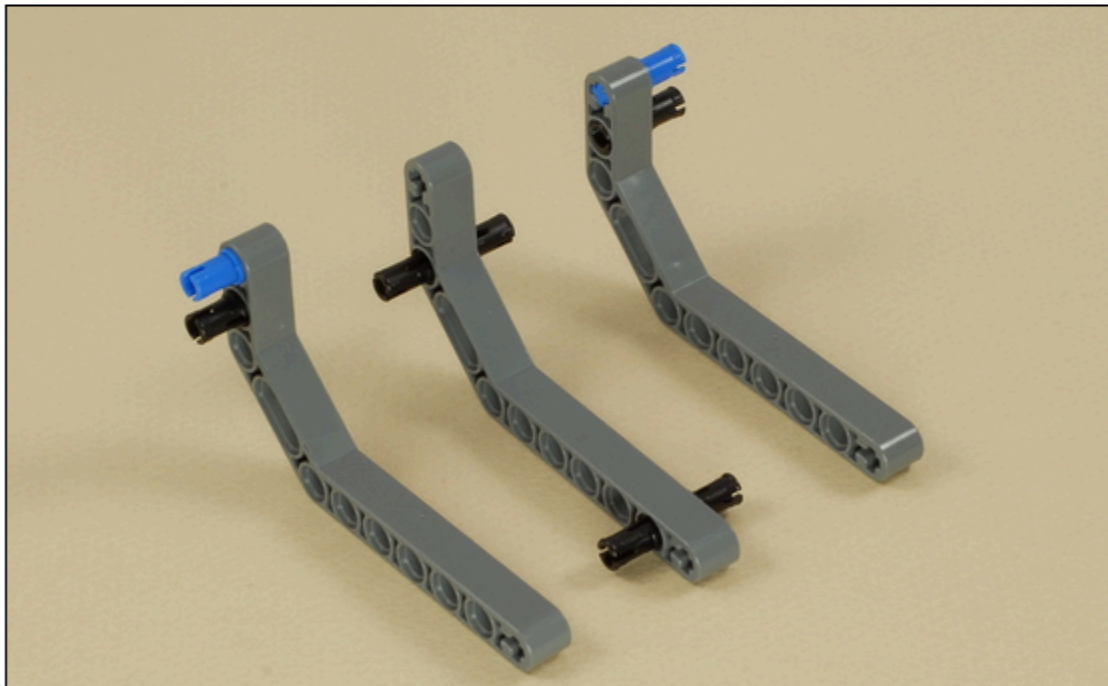
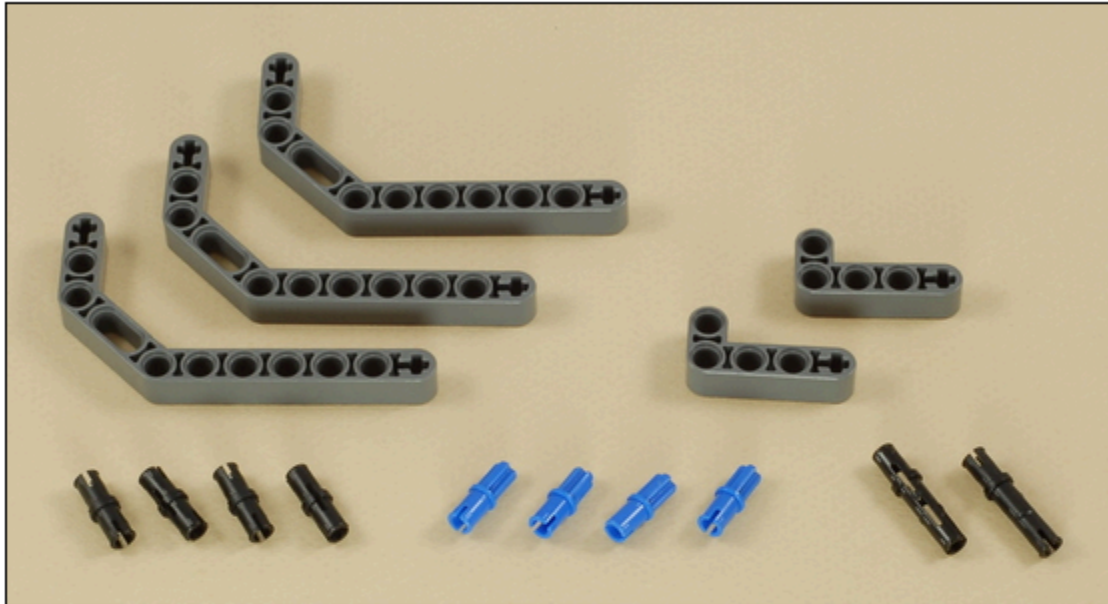


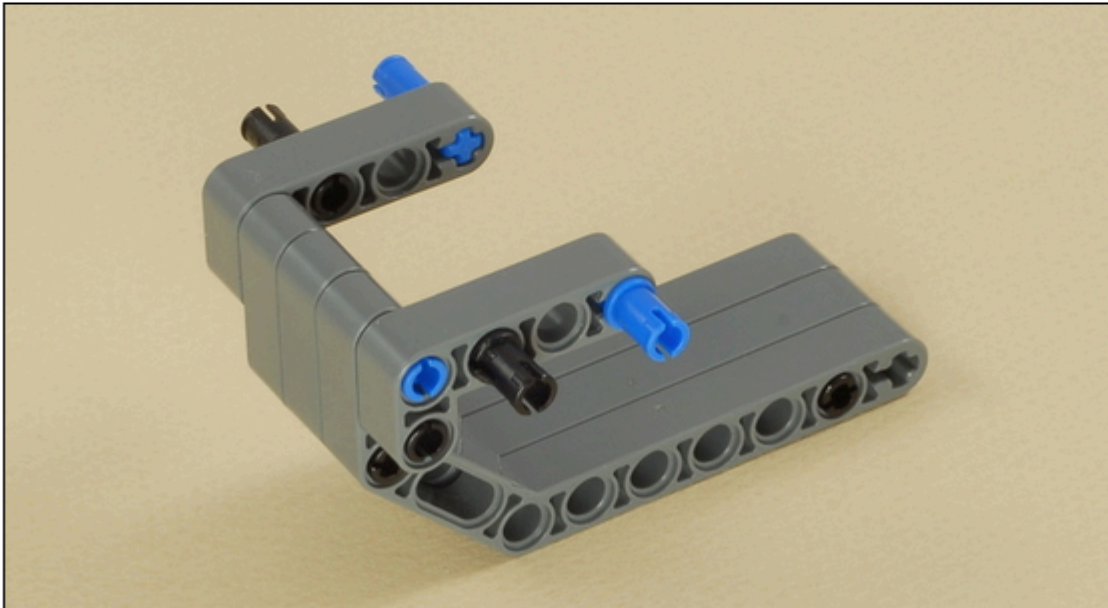
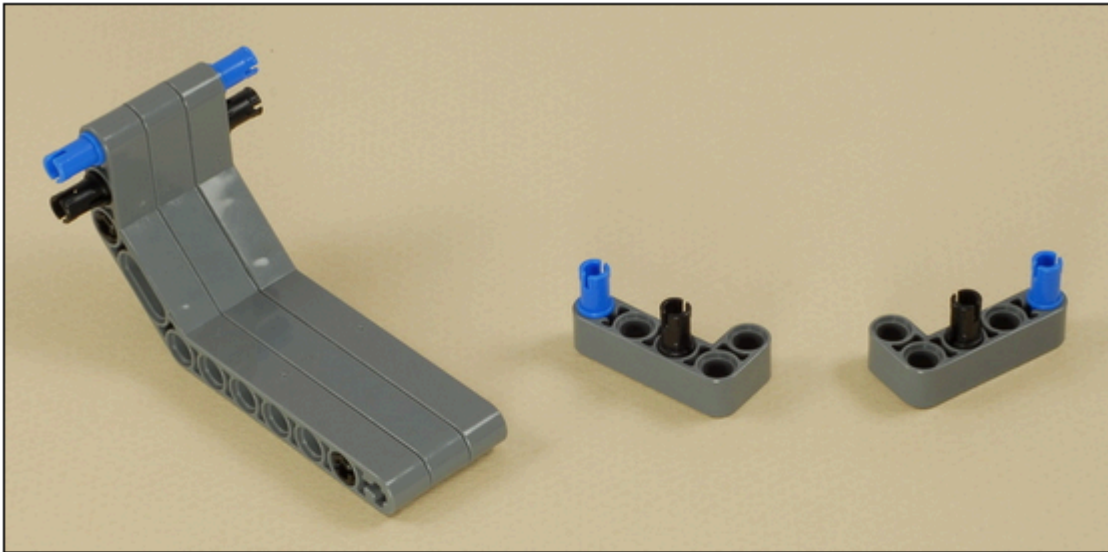


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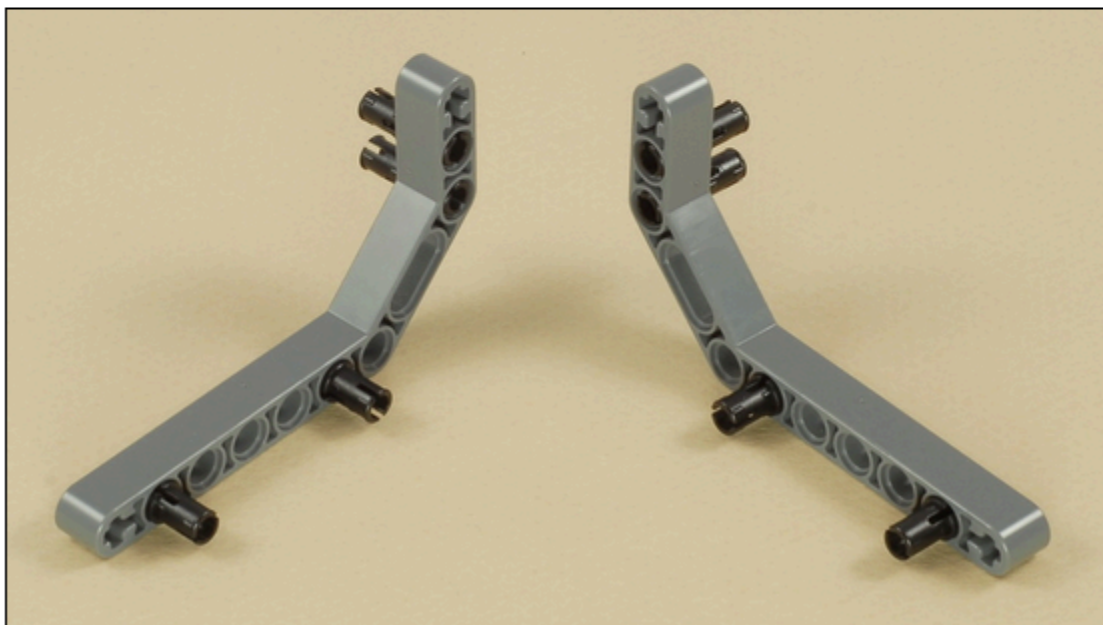
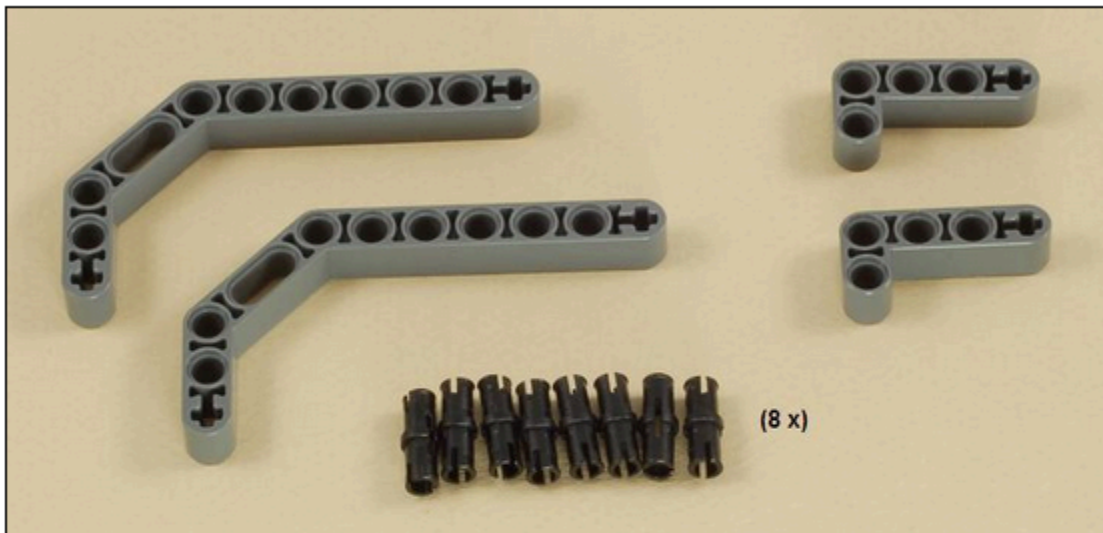


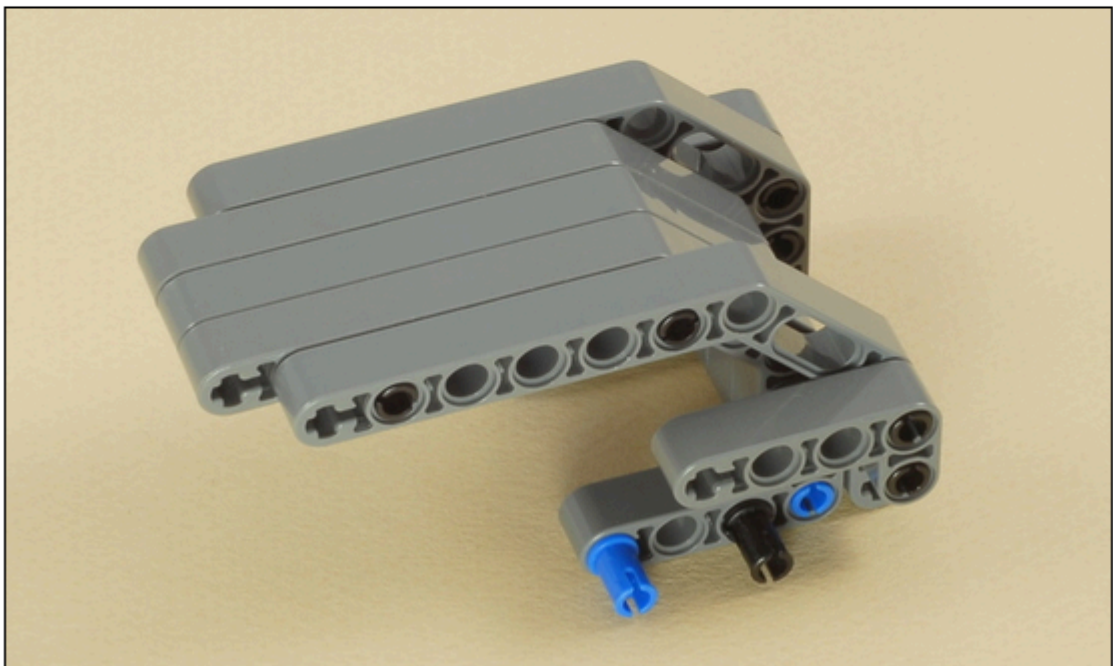
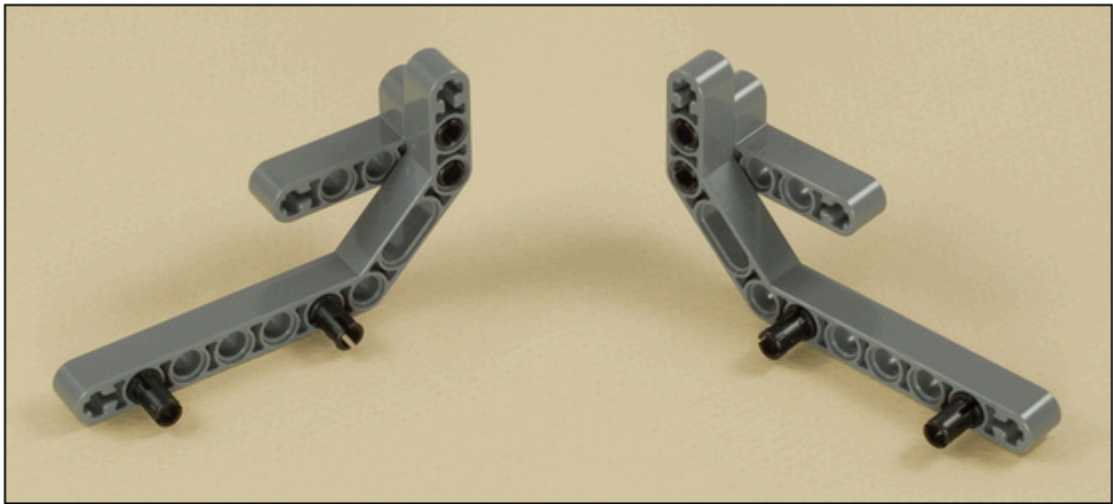
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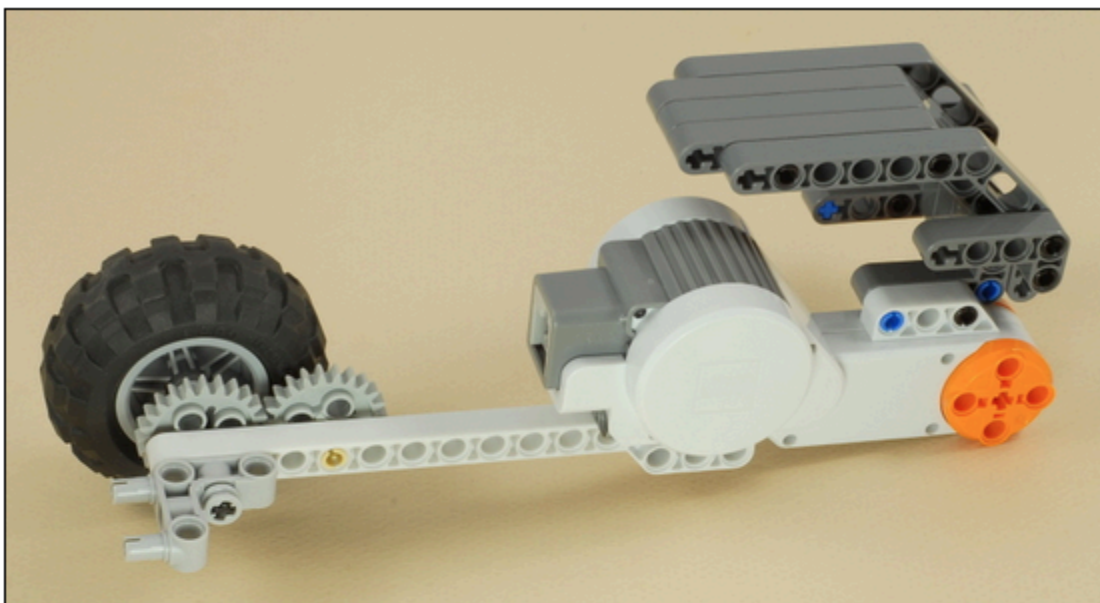




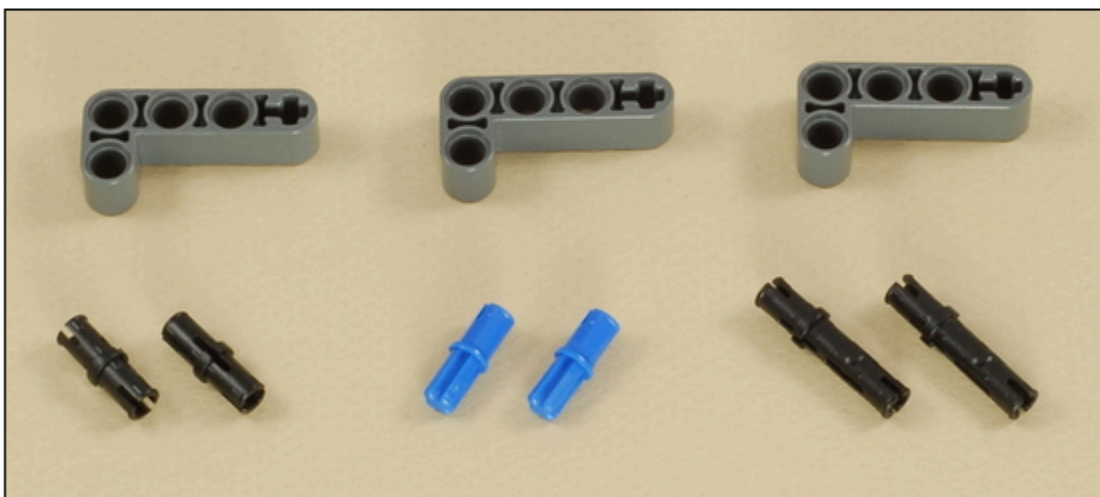
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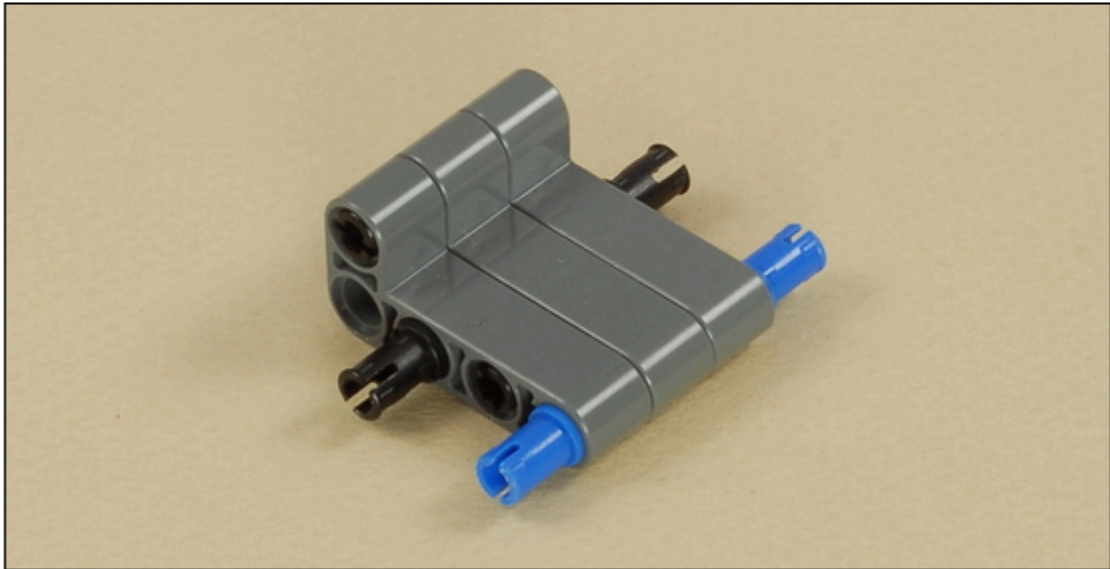
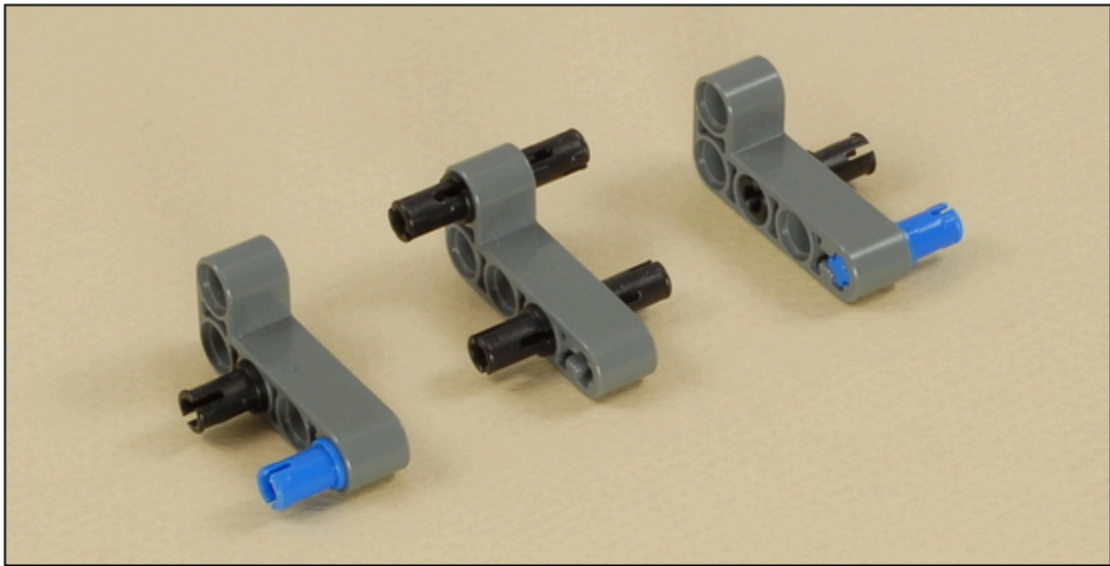


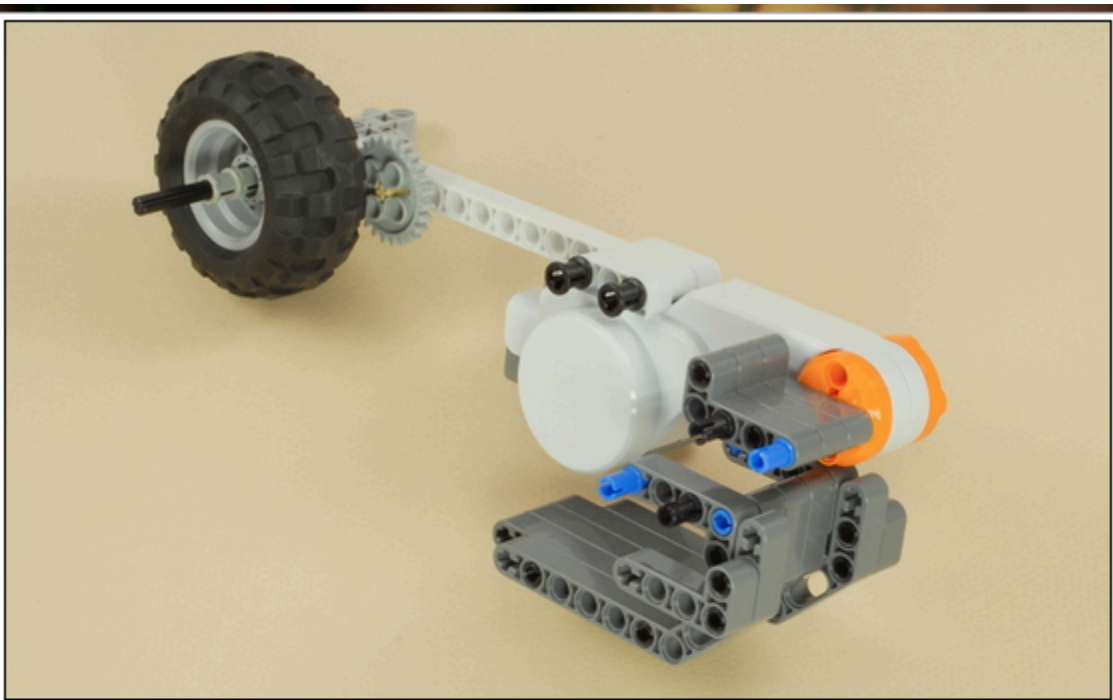




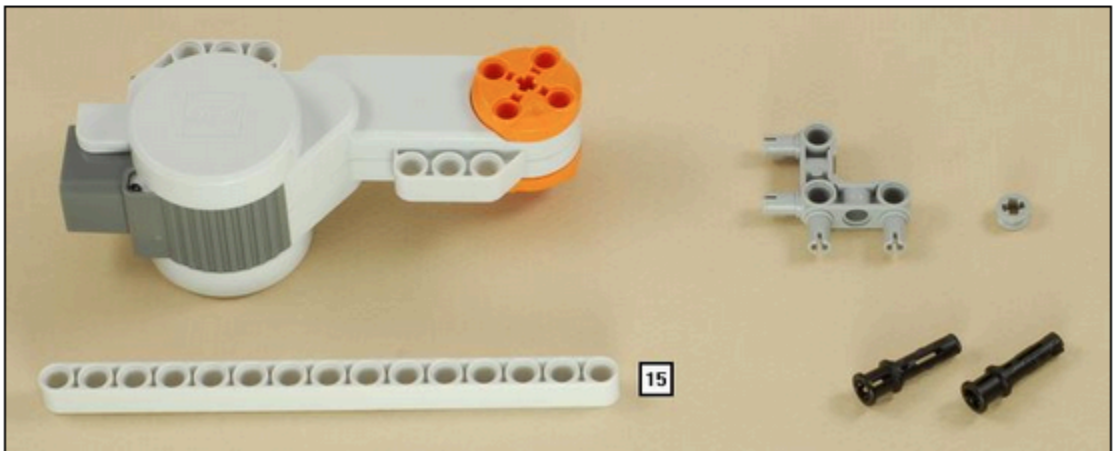
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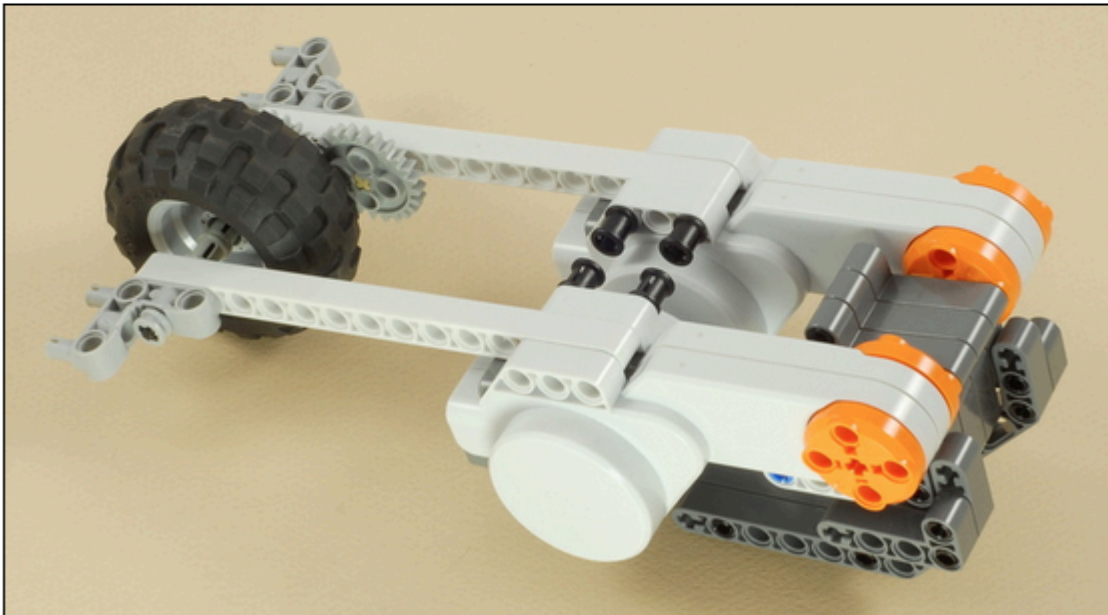
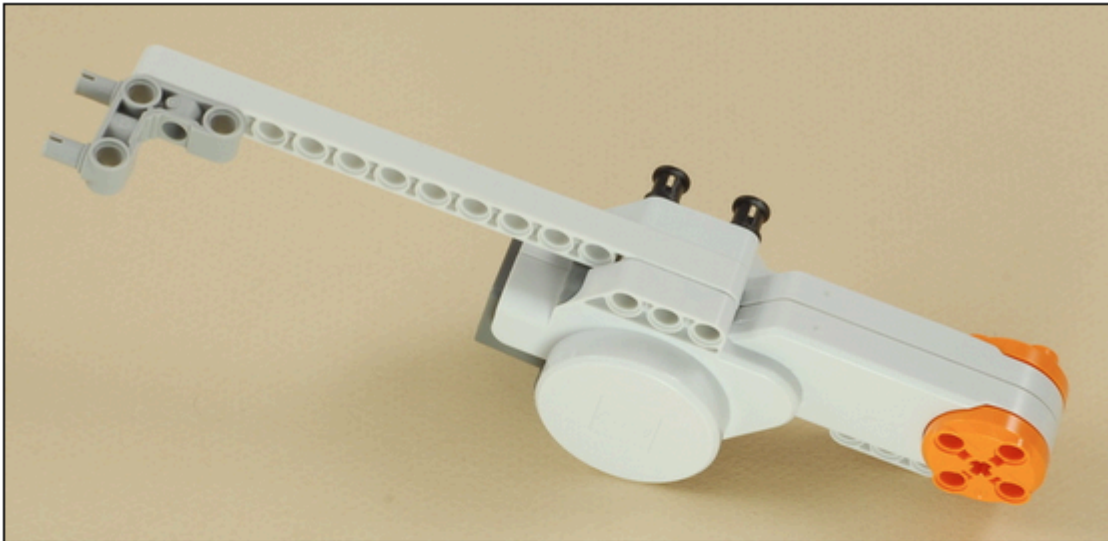




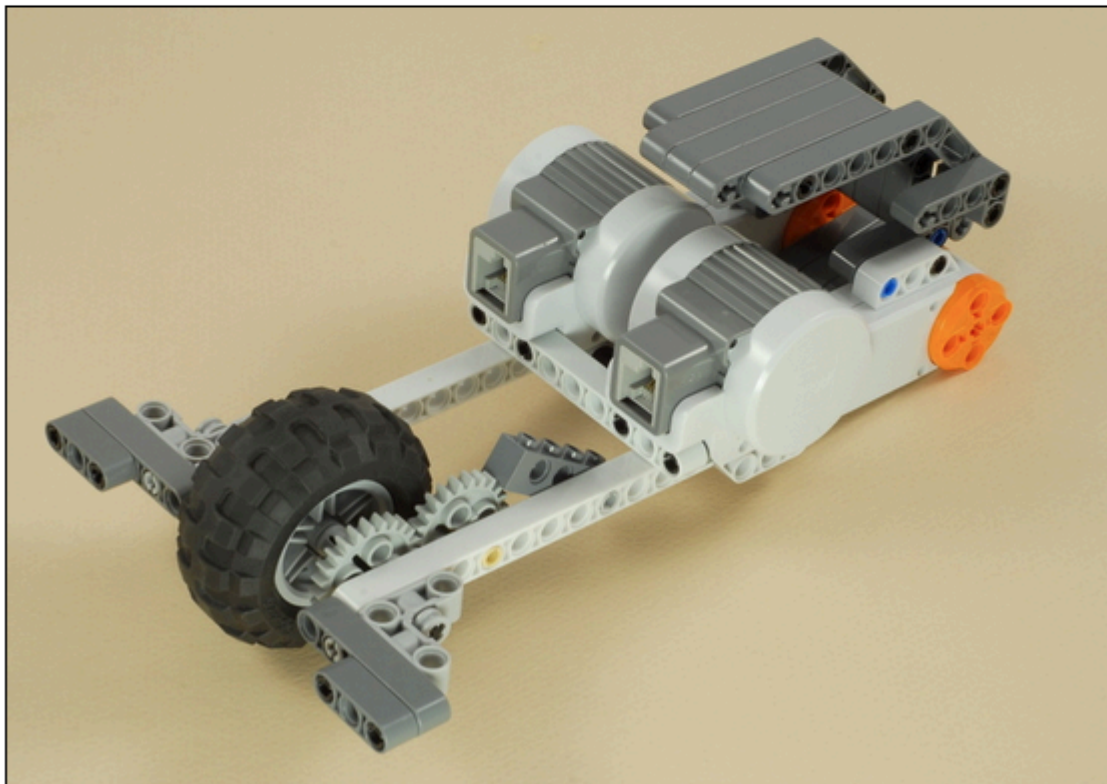
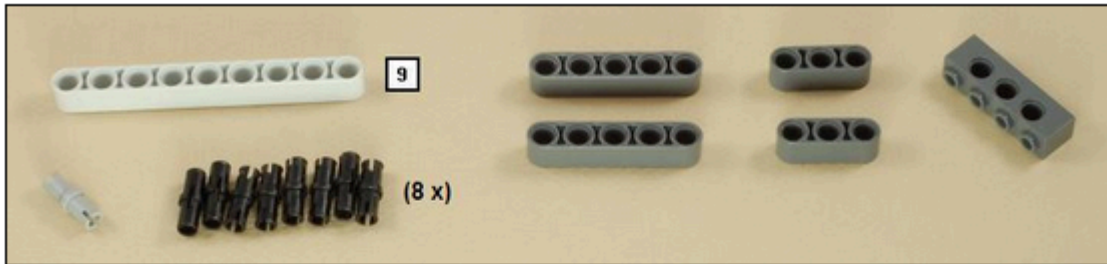


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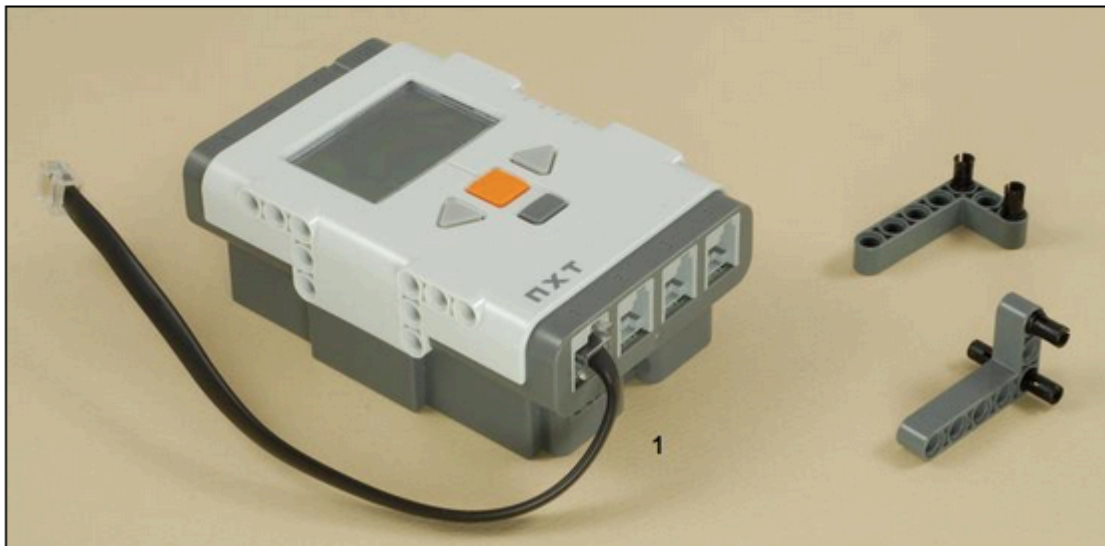
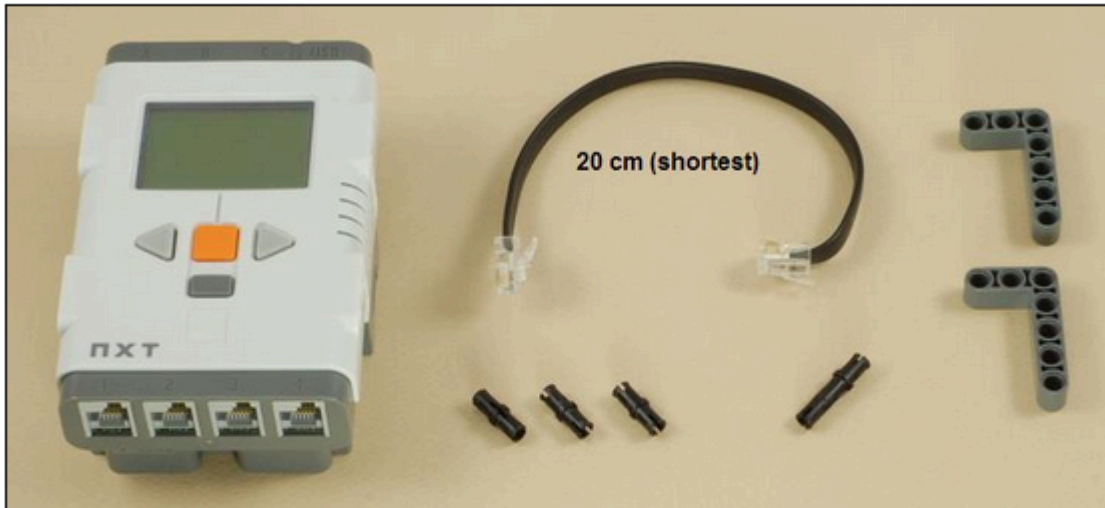


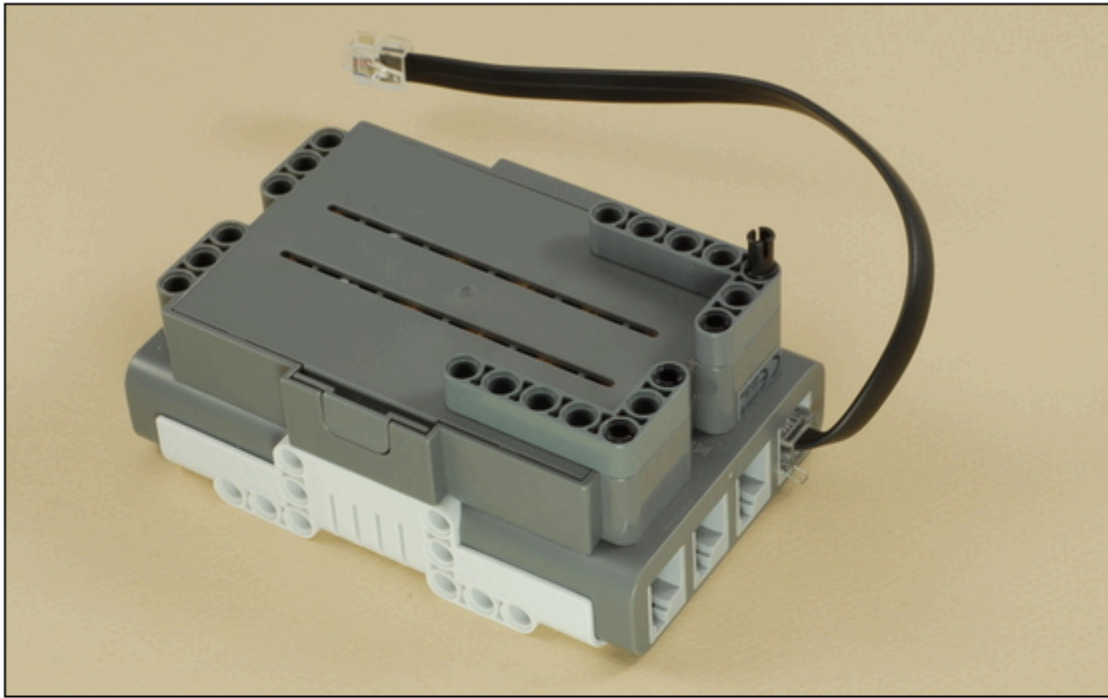


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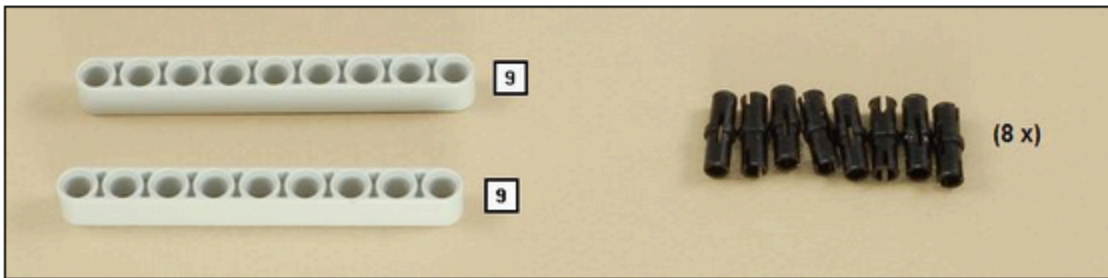


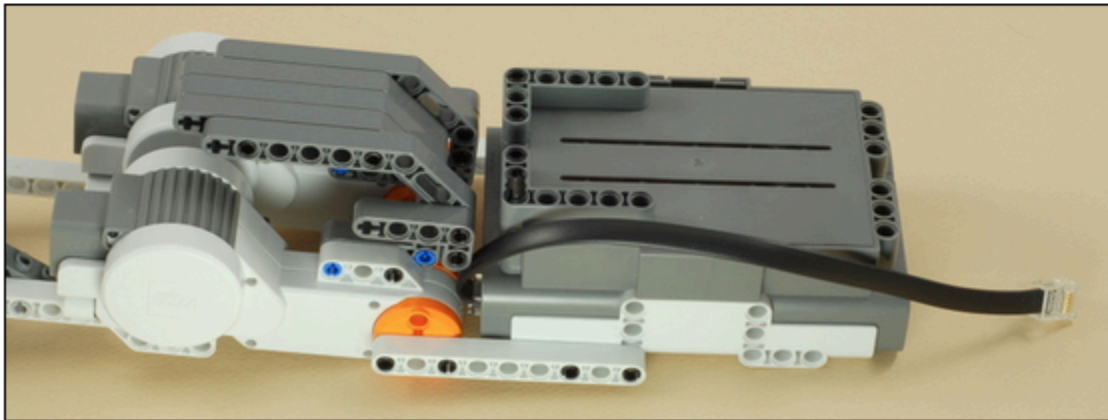
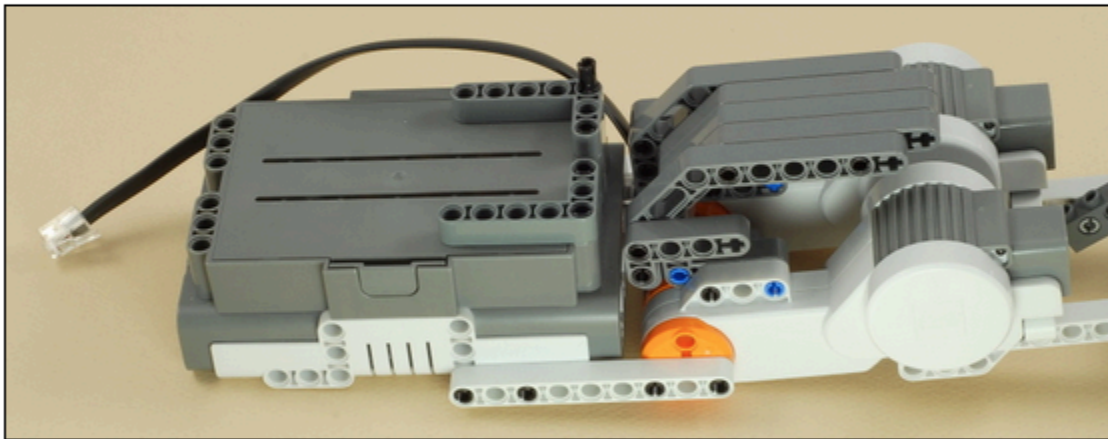
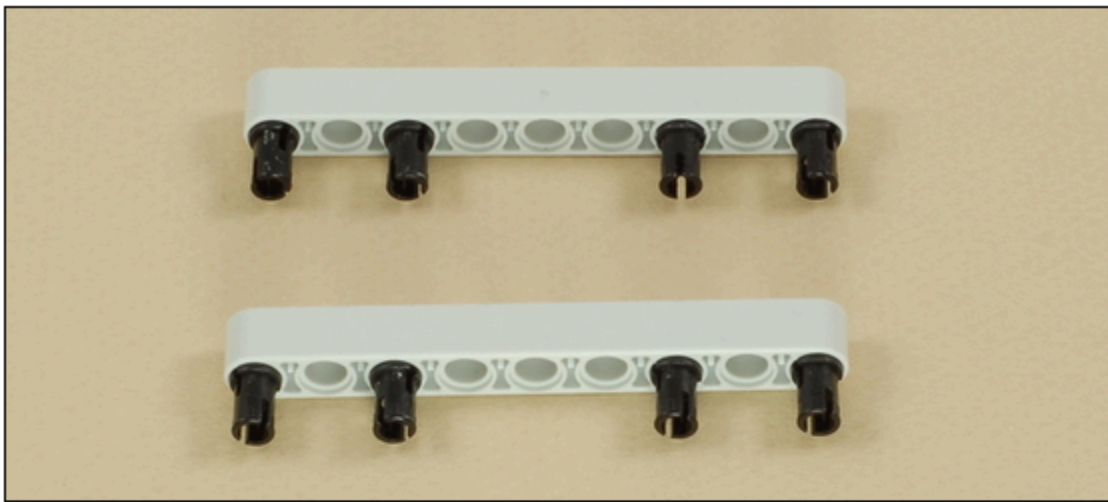
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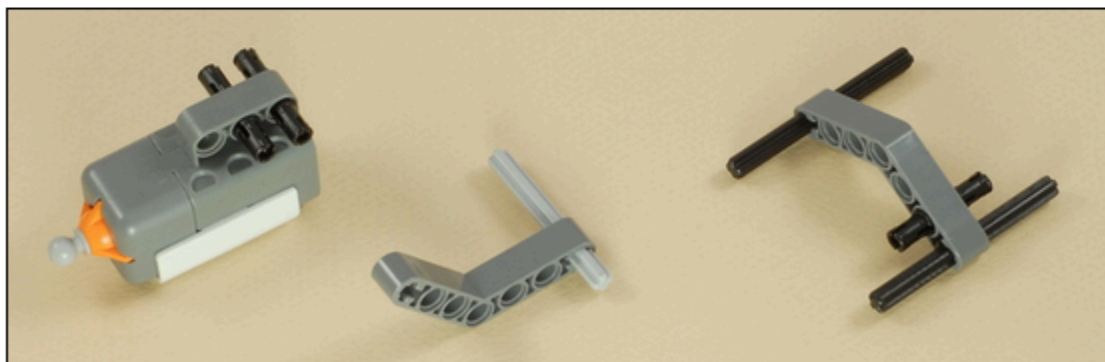


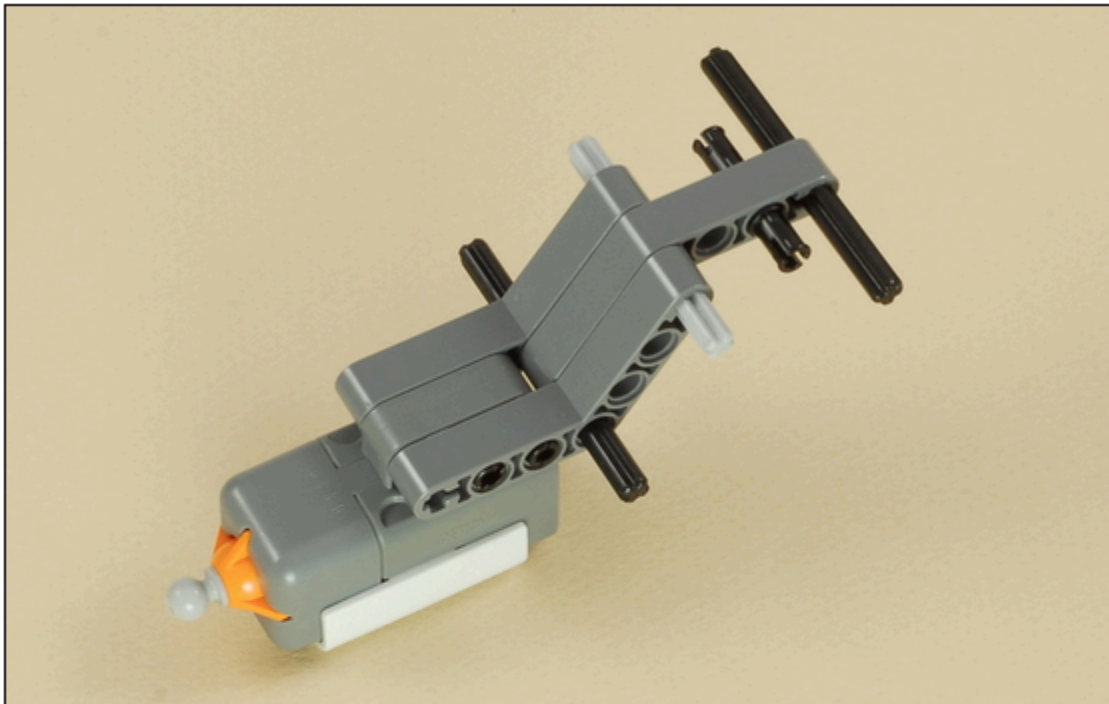
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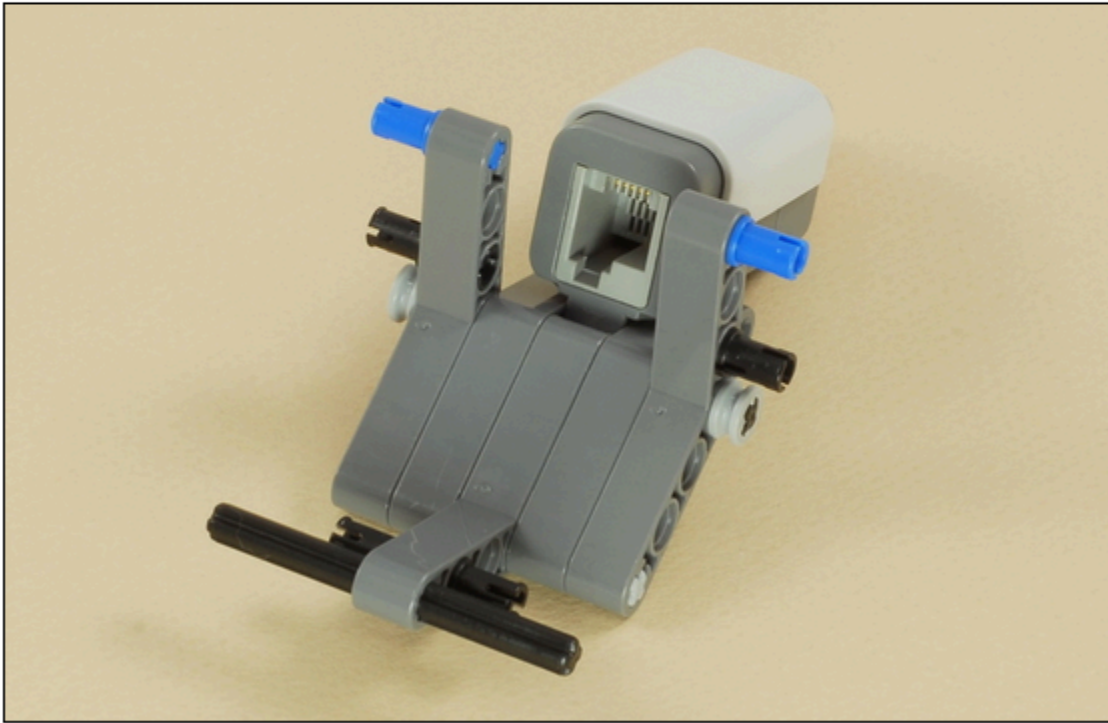
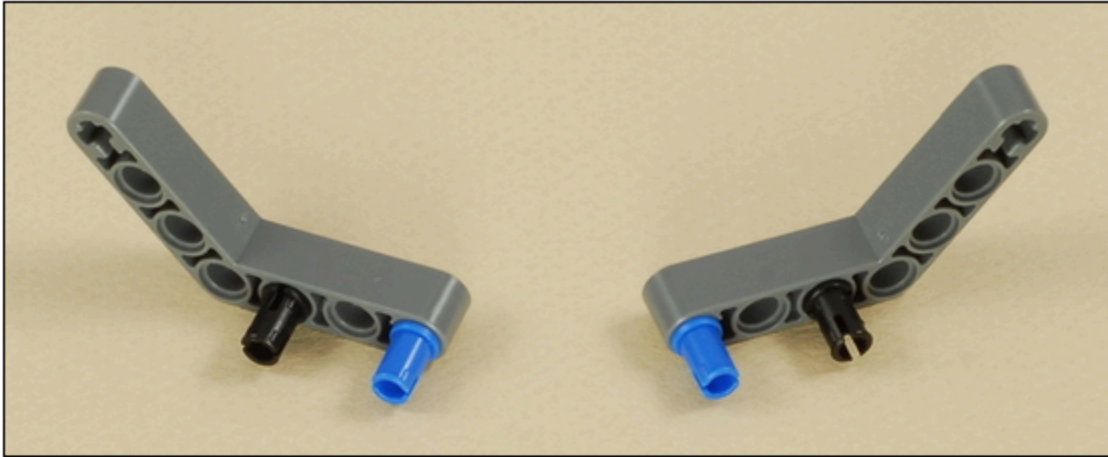
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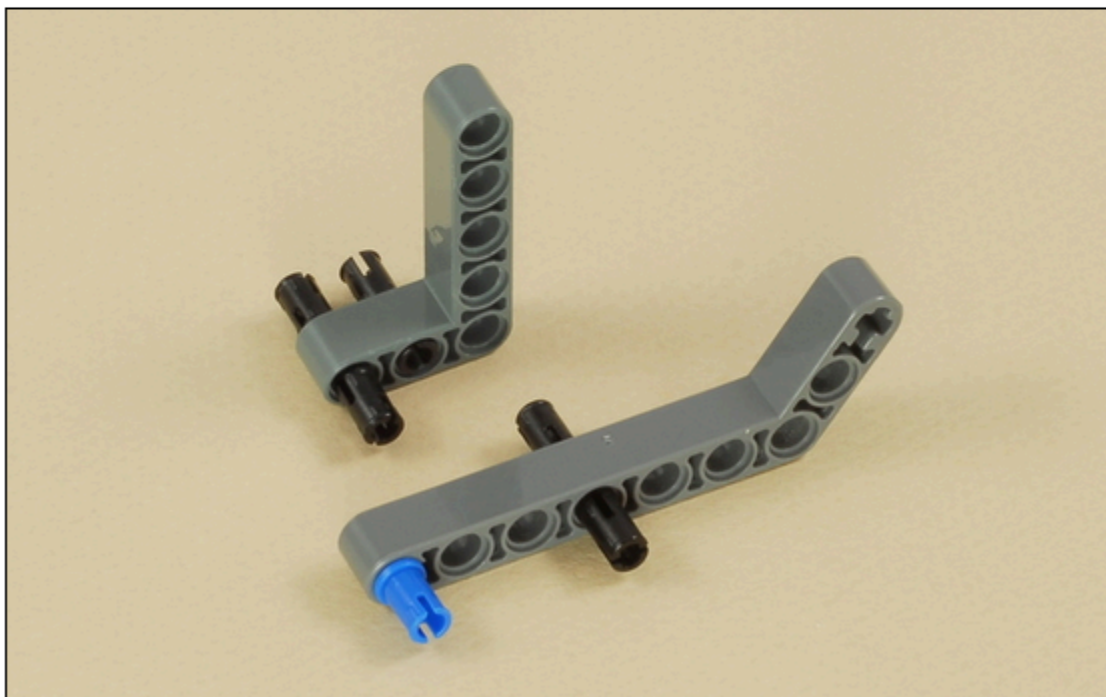
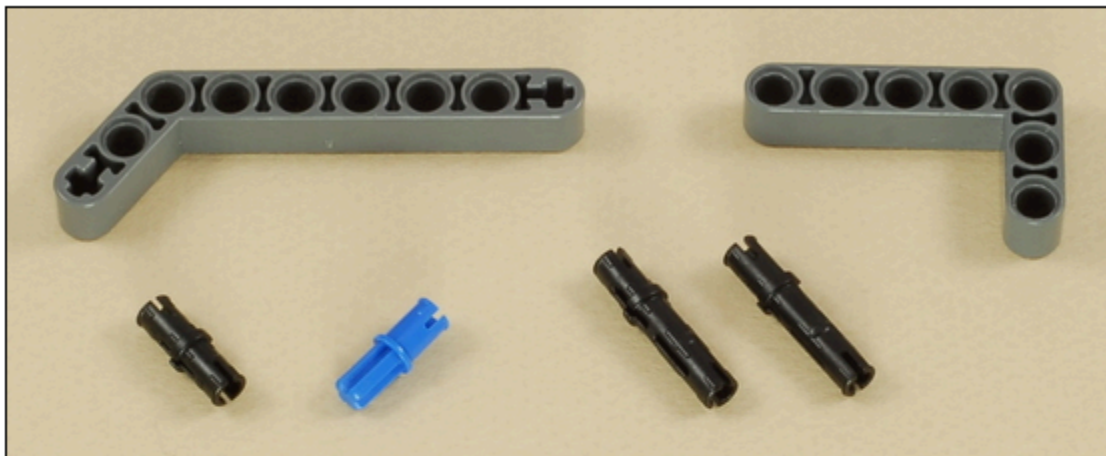


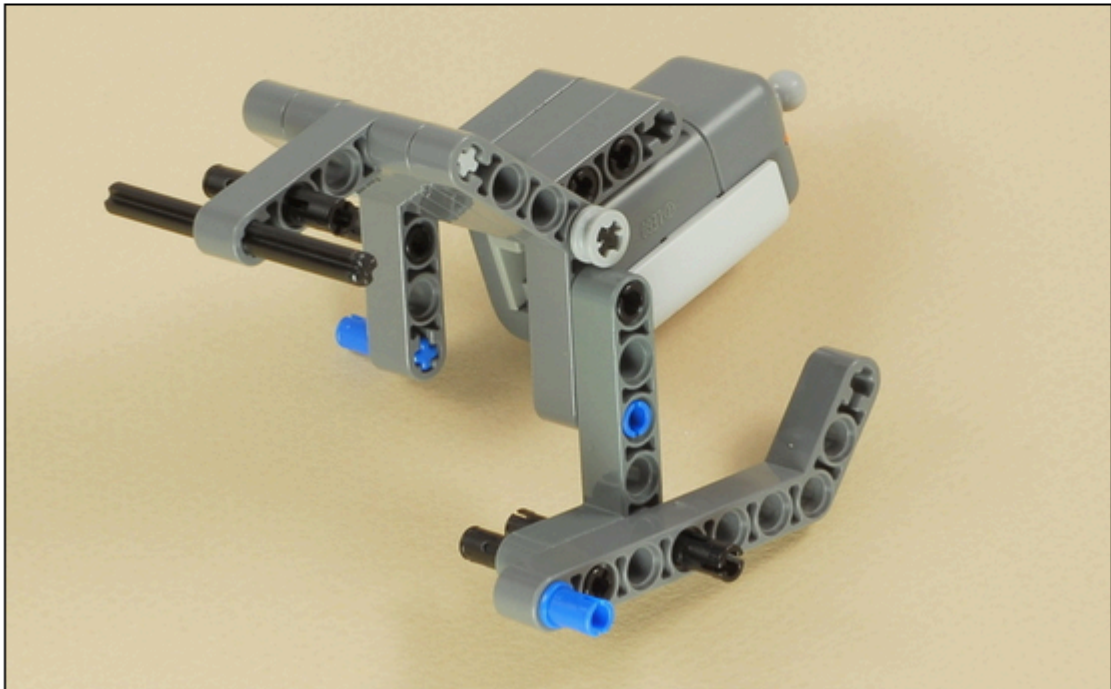
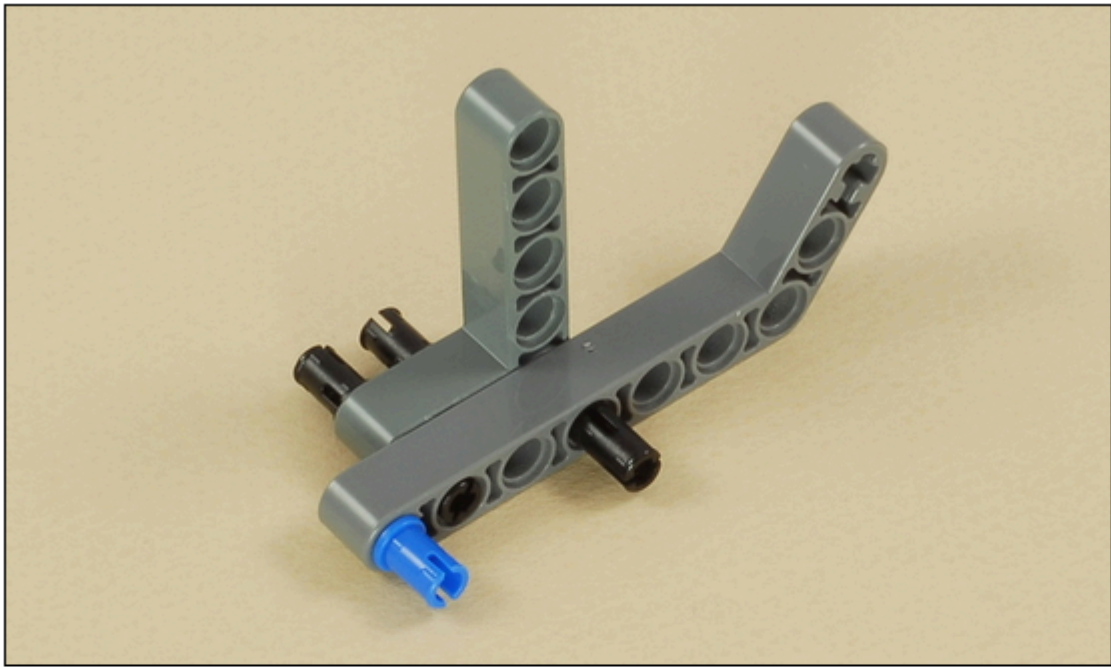
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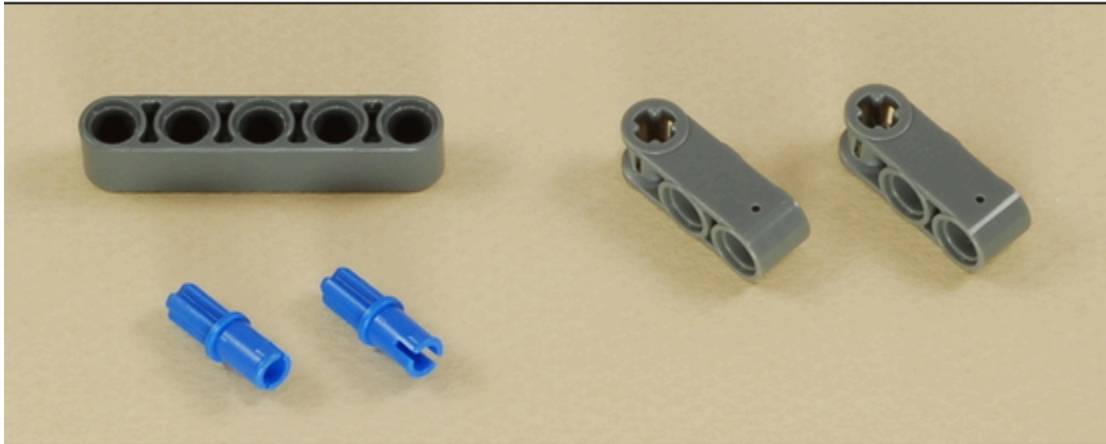


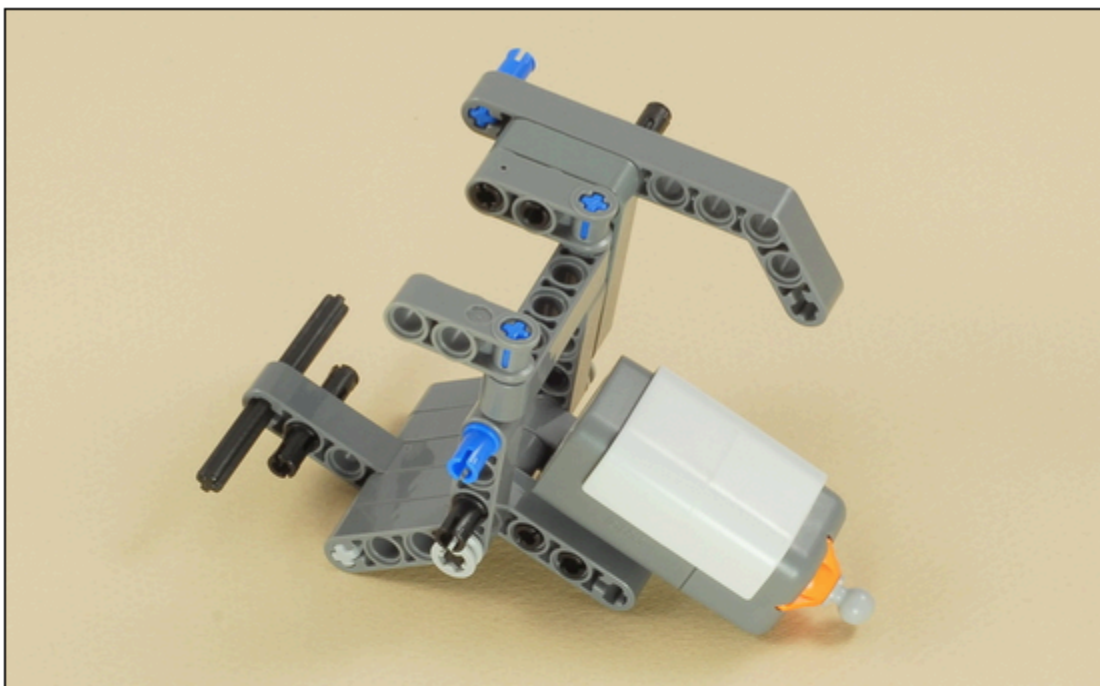
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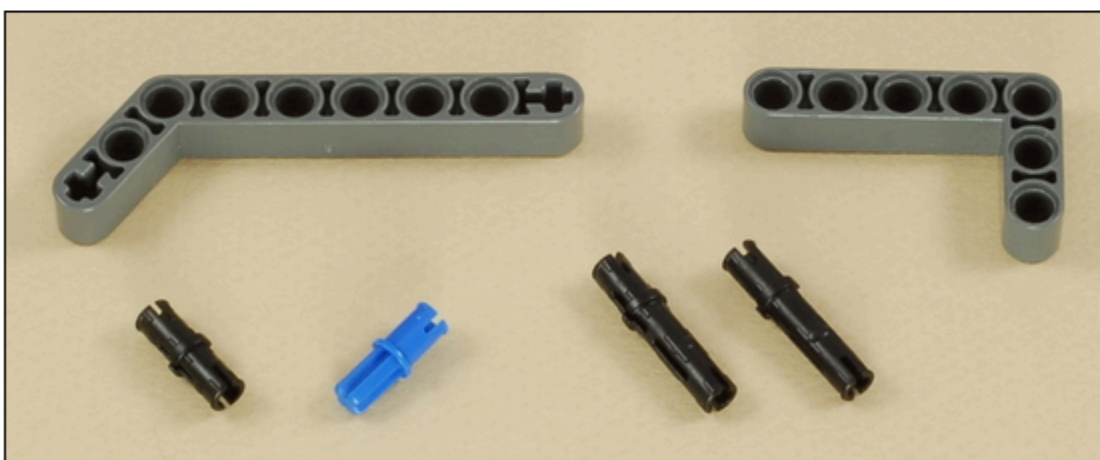


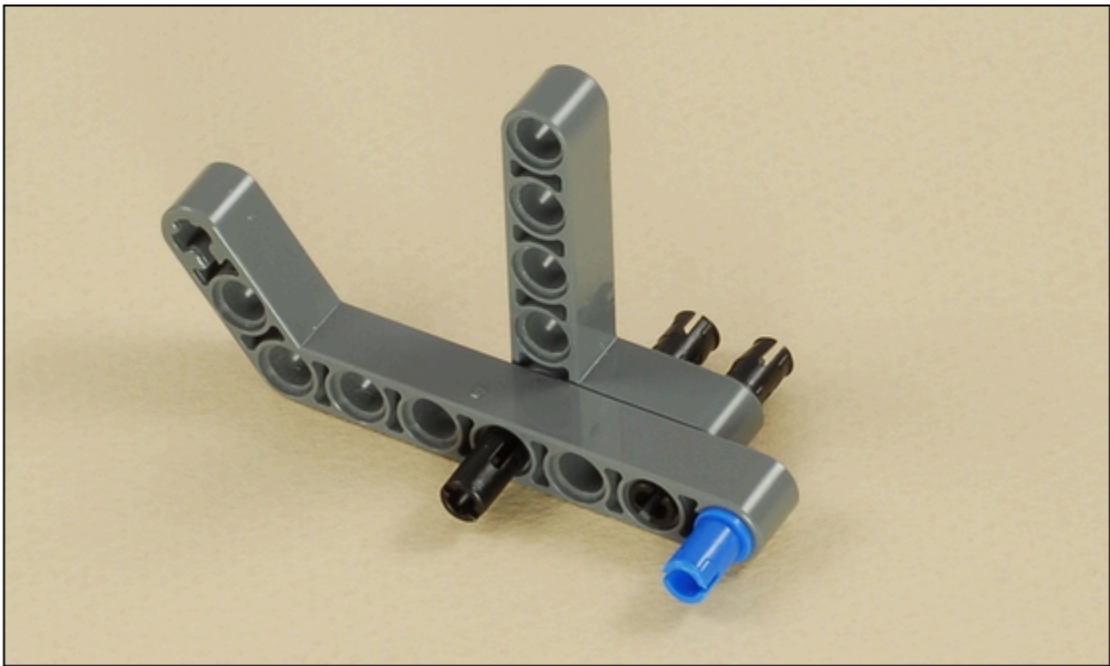
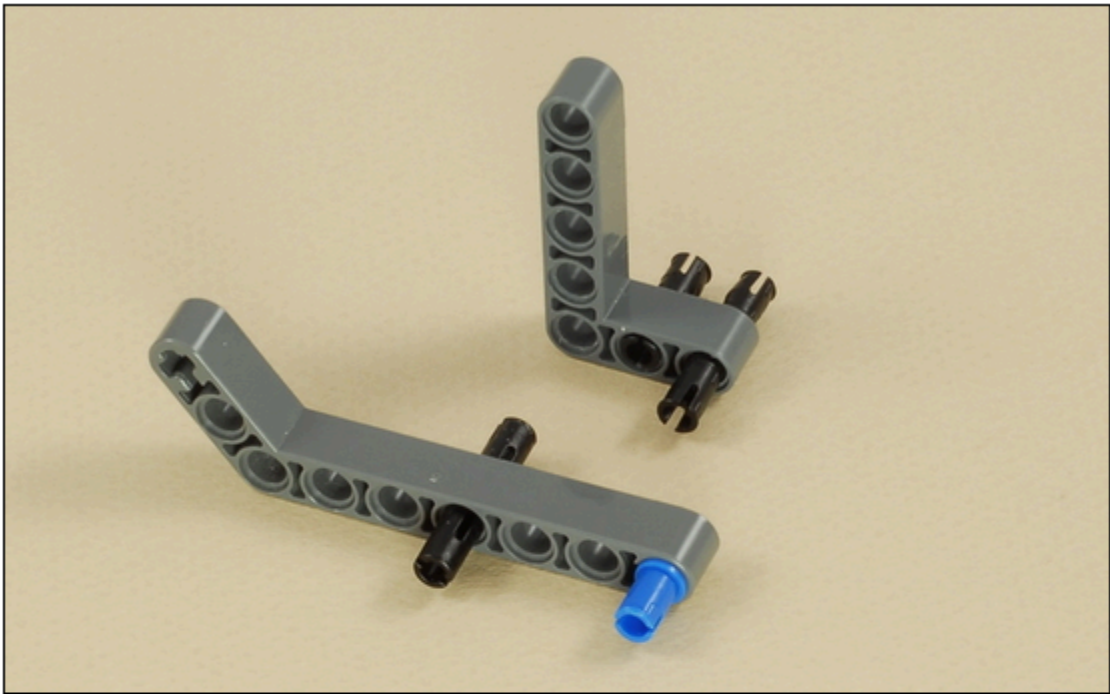
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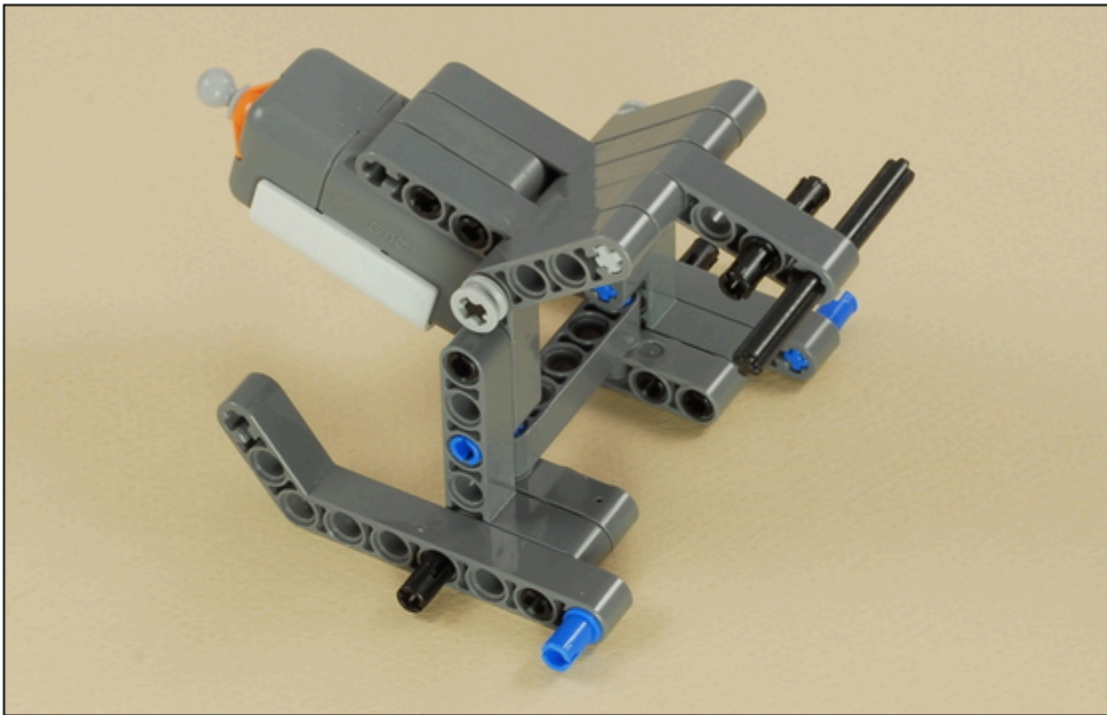




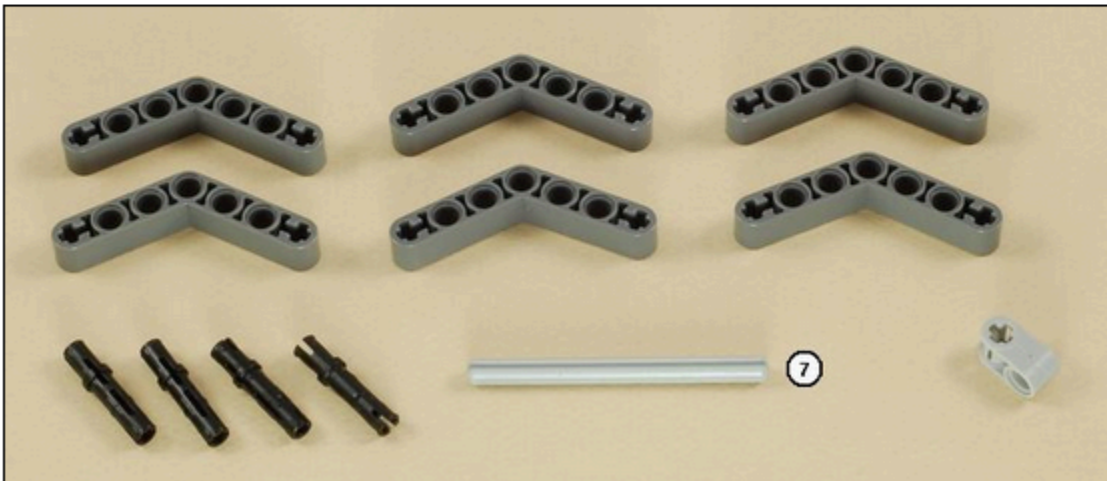
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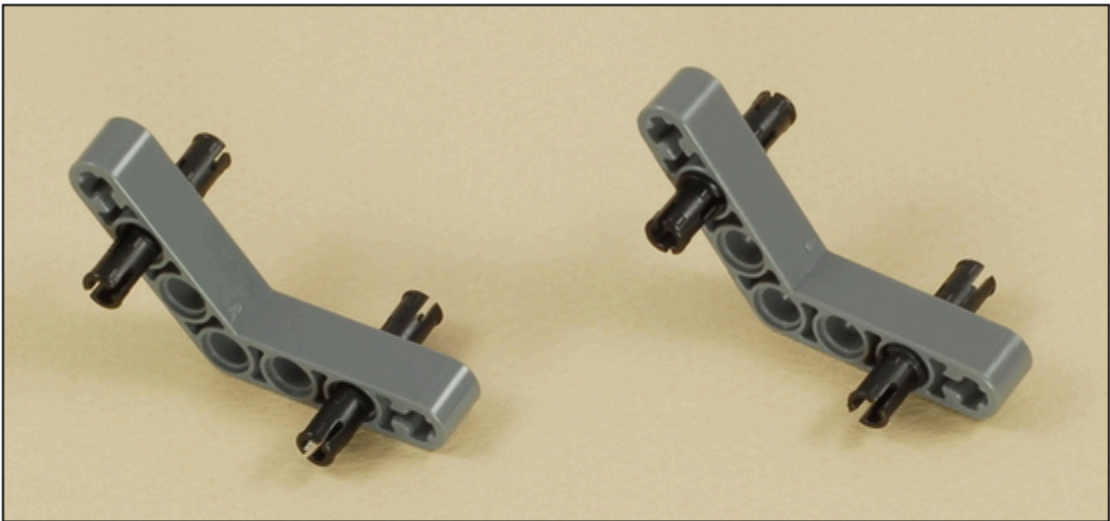


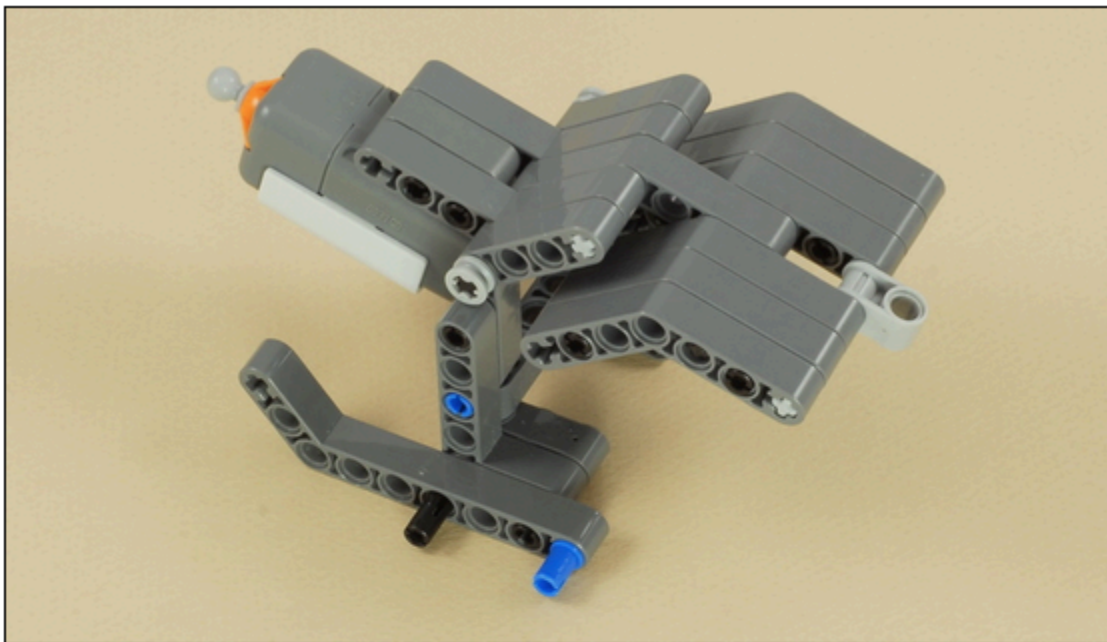




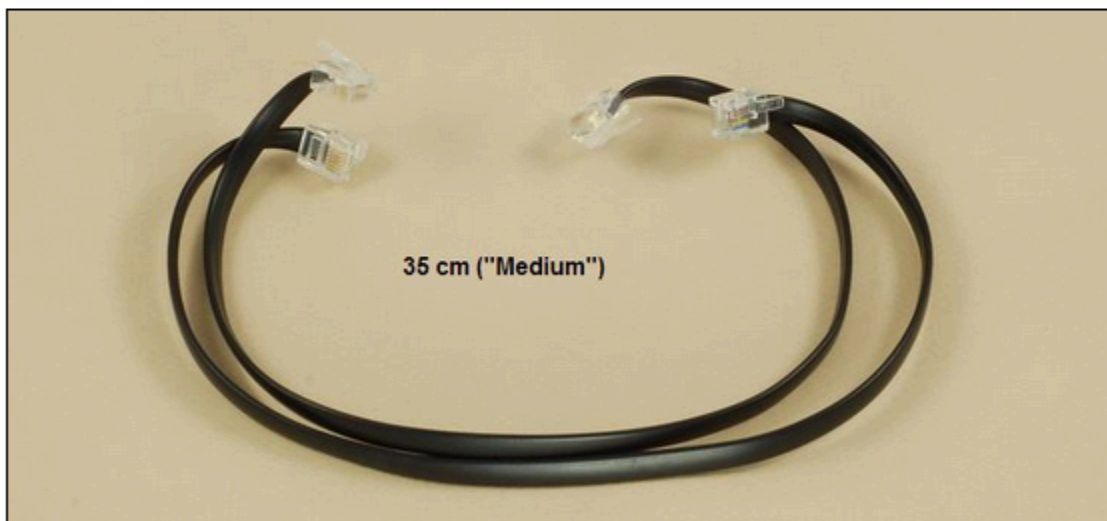
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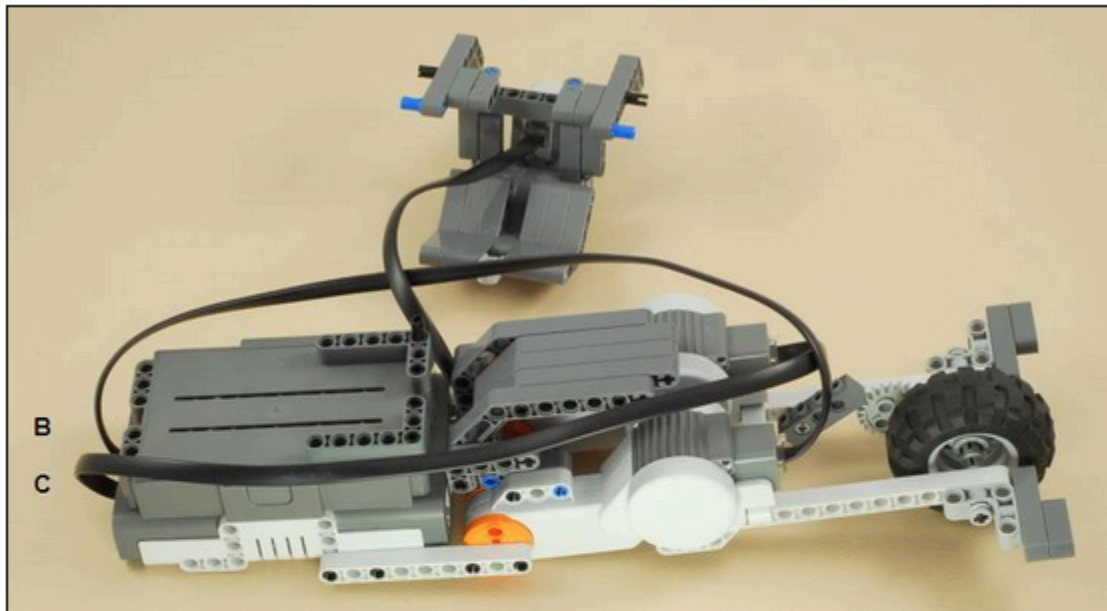


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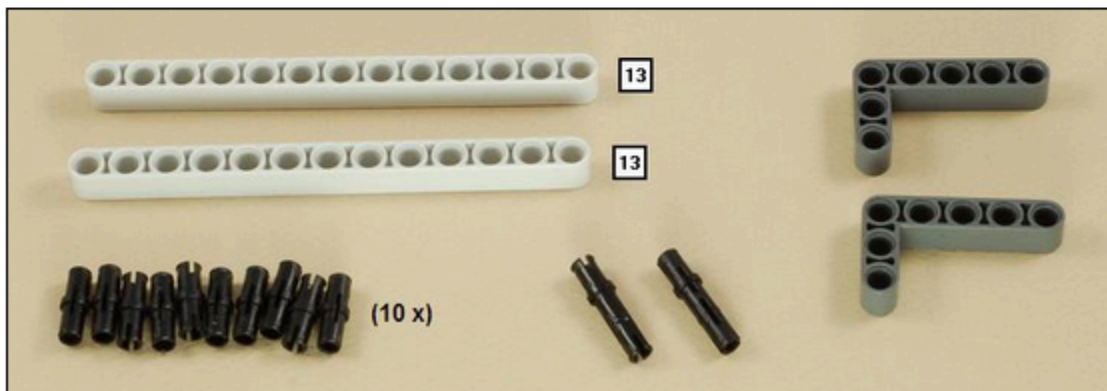


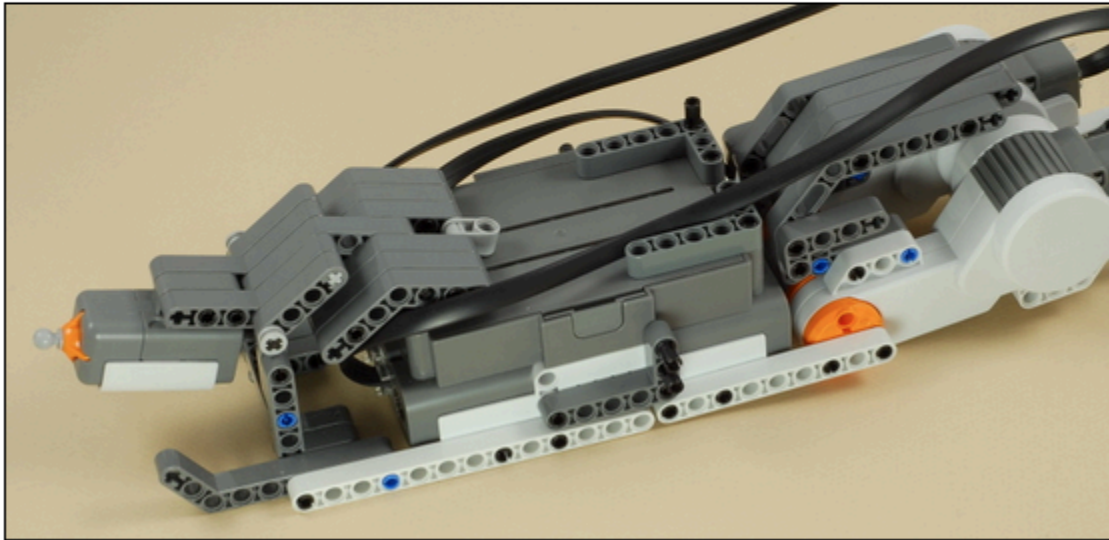
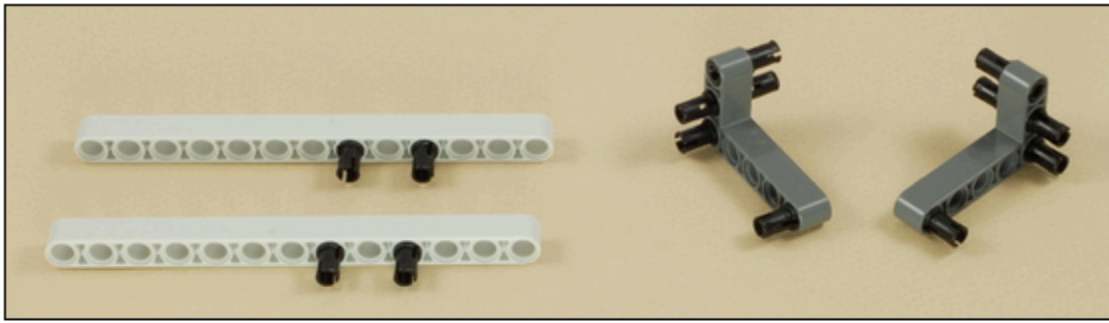
Use two medium length (35 cm) wires to connect the two motors to ports B and C on the NXT as shown below. It doesn't matter which one is which.

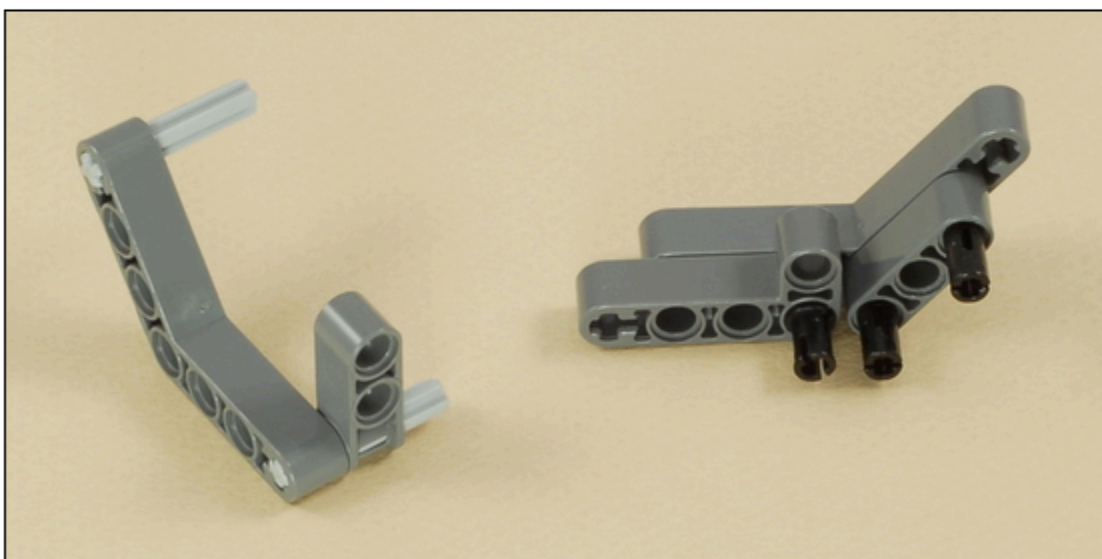
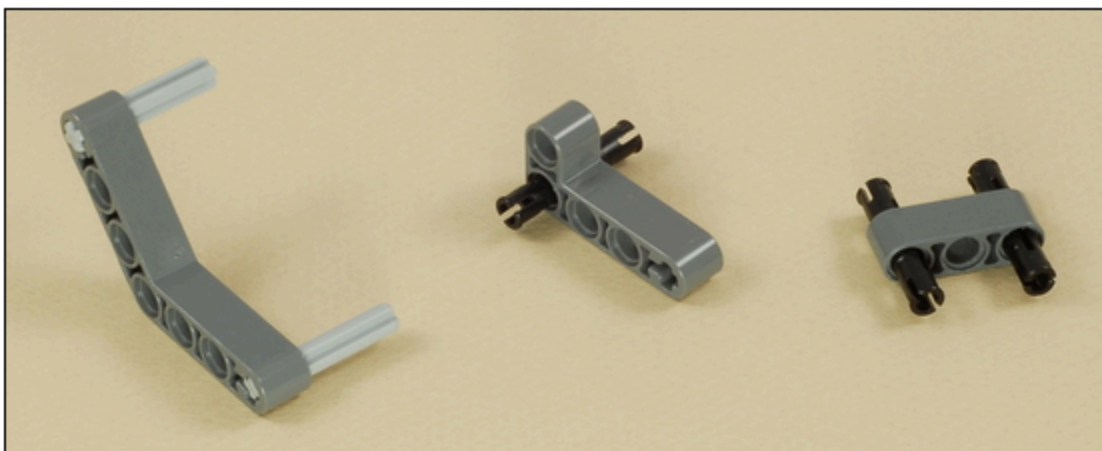
Then connect the short wire from the NXT's port 1 to the touch sensor inside the head as shown below.



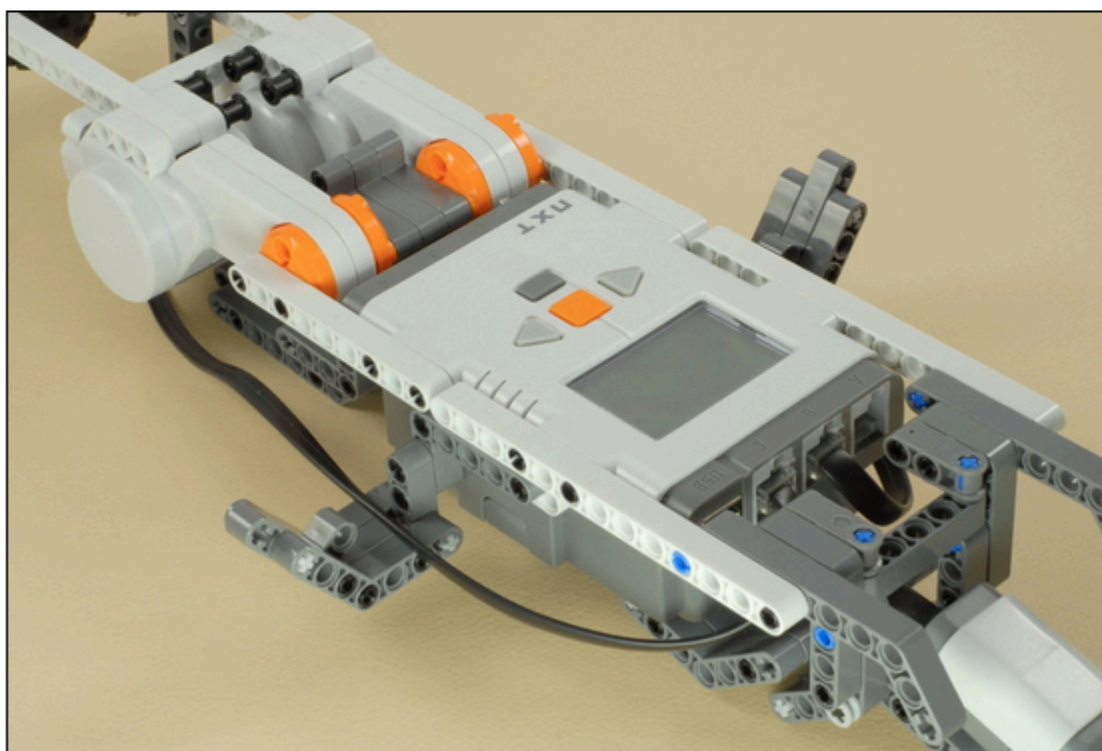
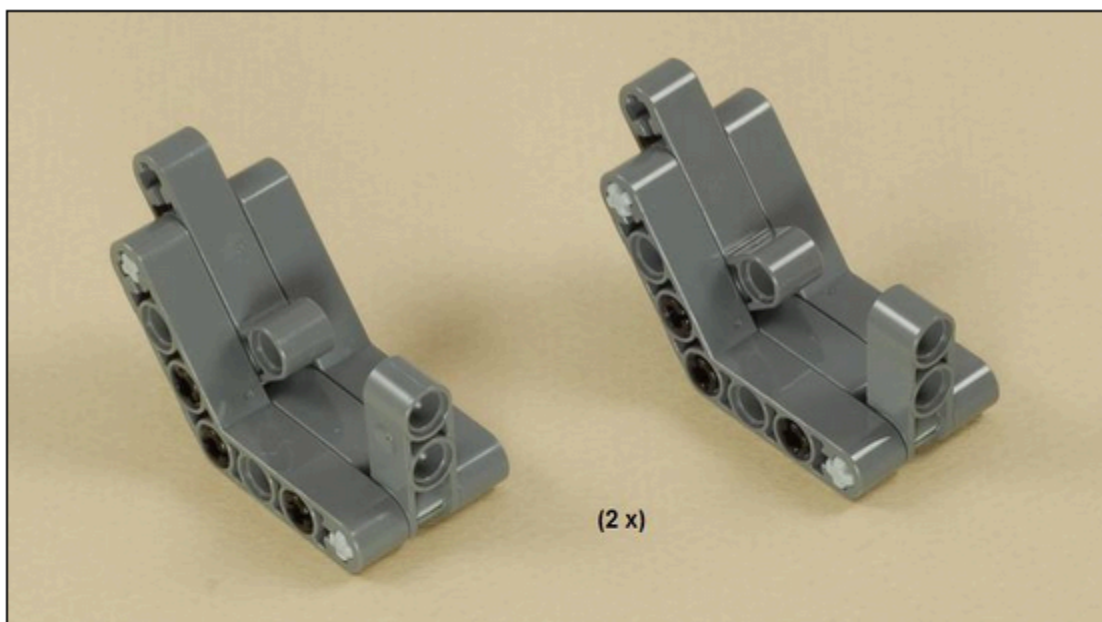
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Build two of these side fins.



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