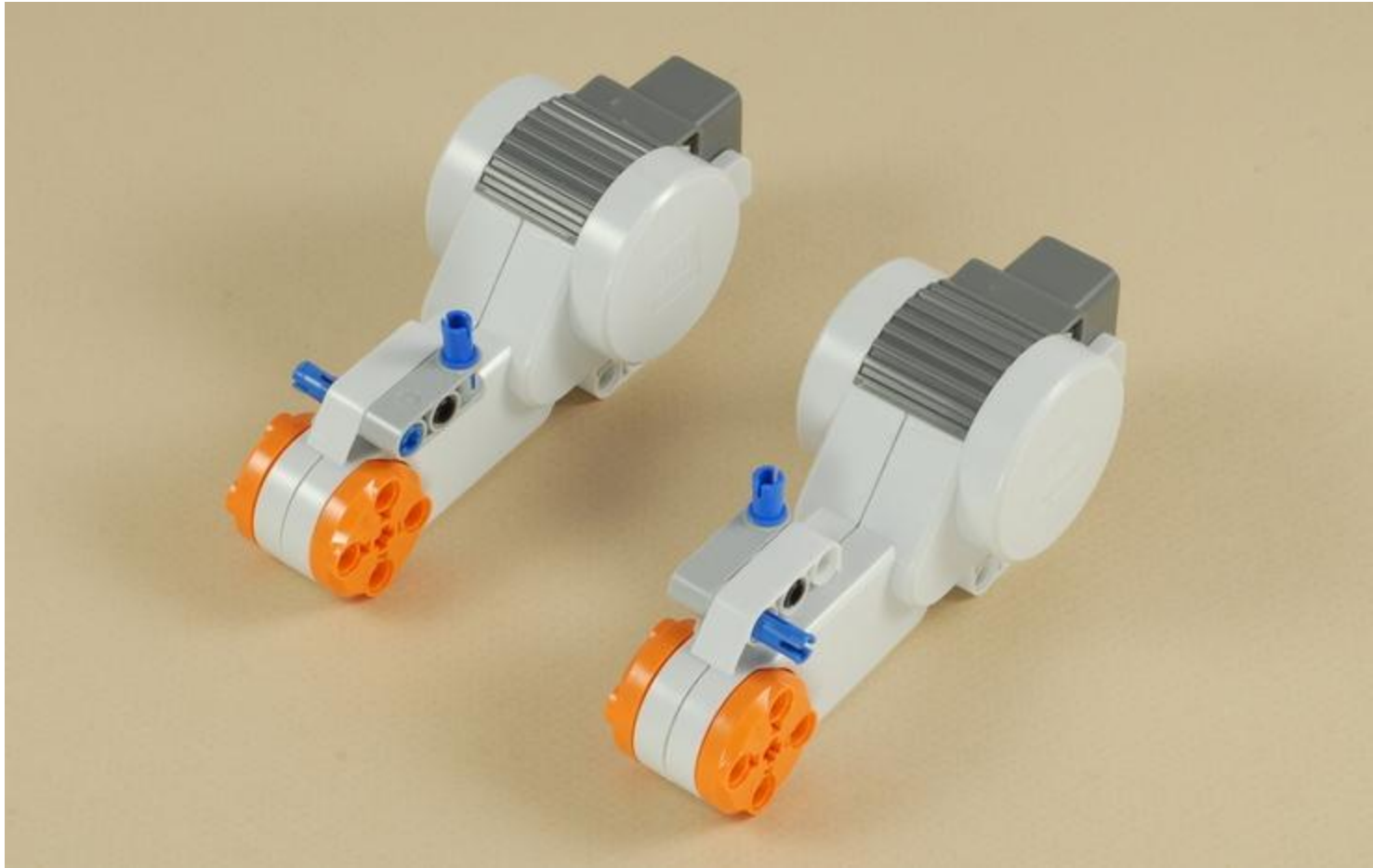
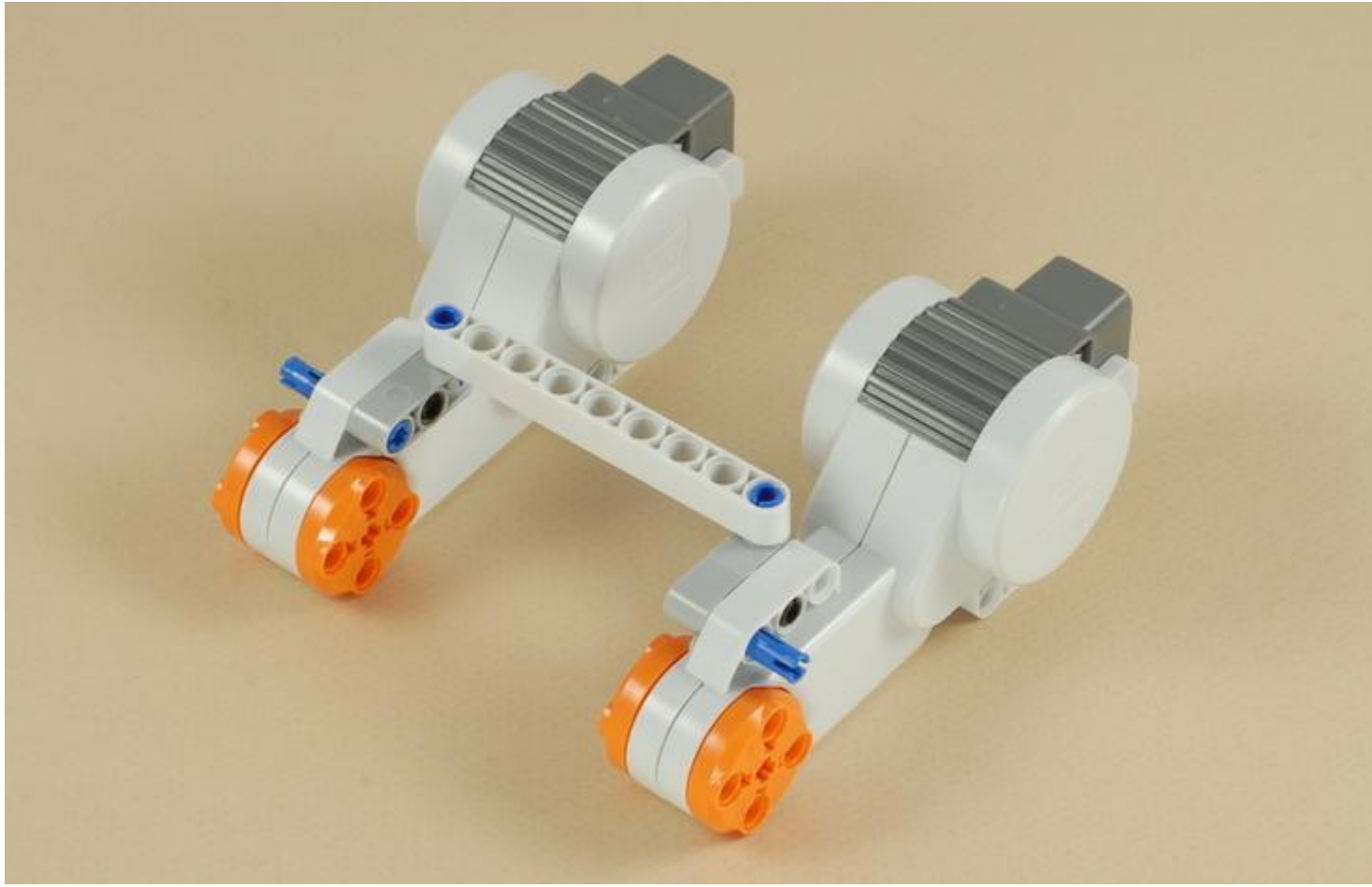


# Explorer – building instructions

1

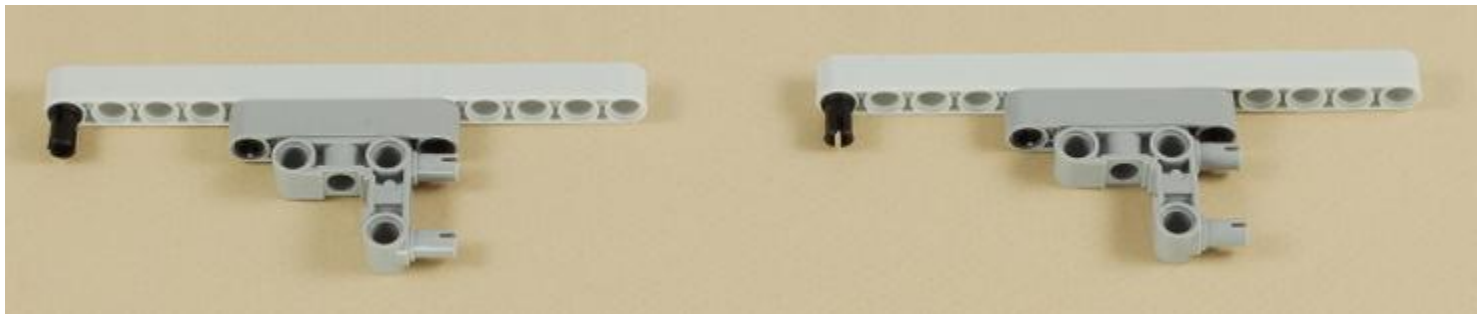
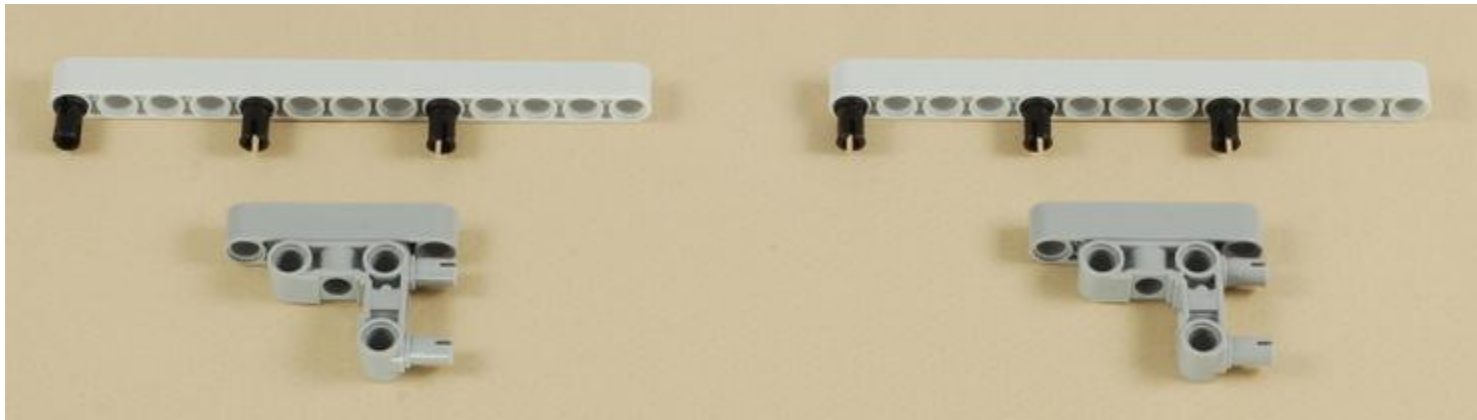
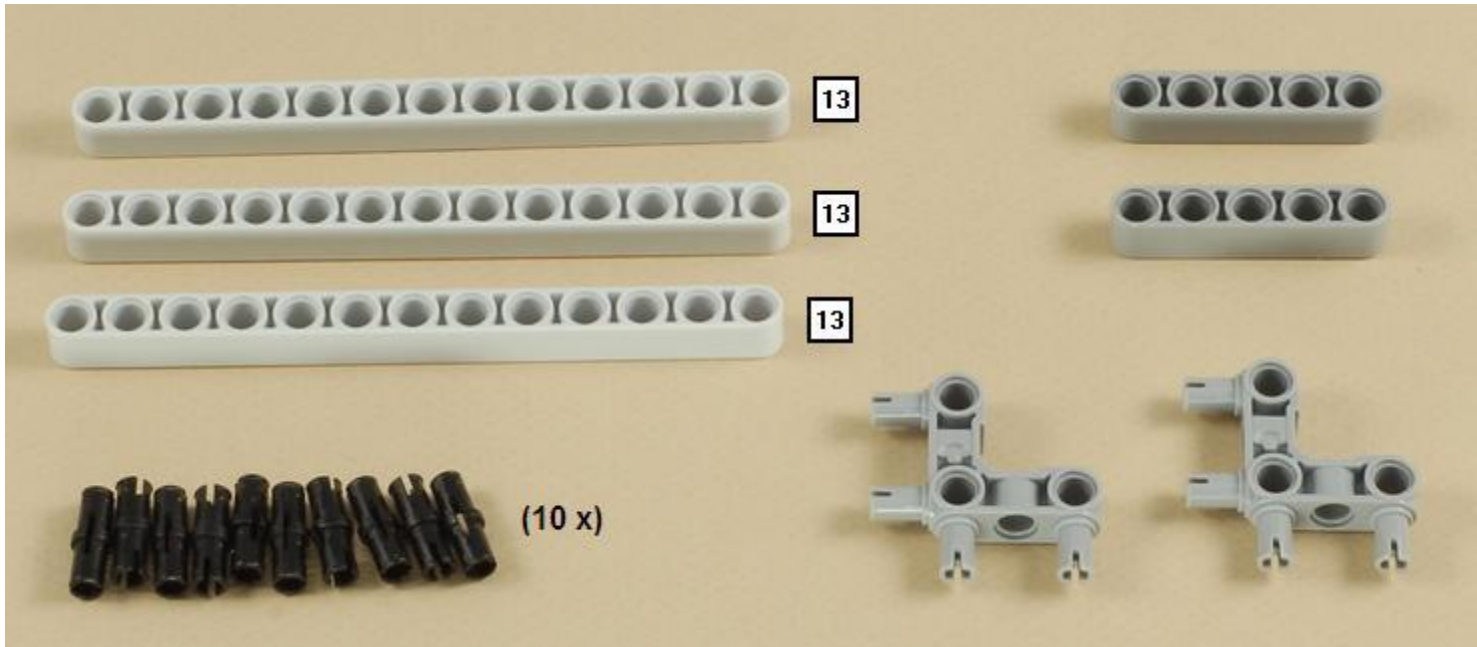


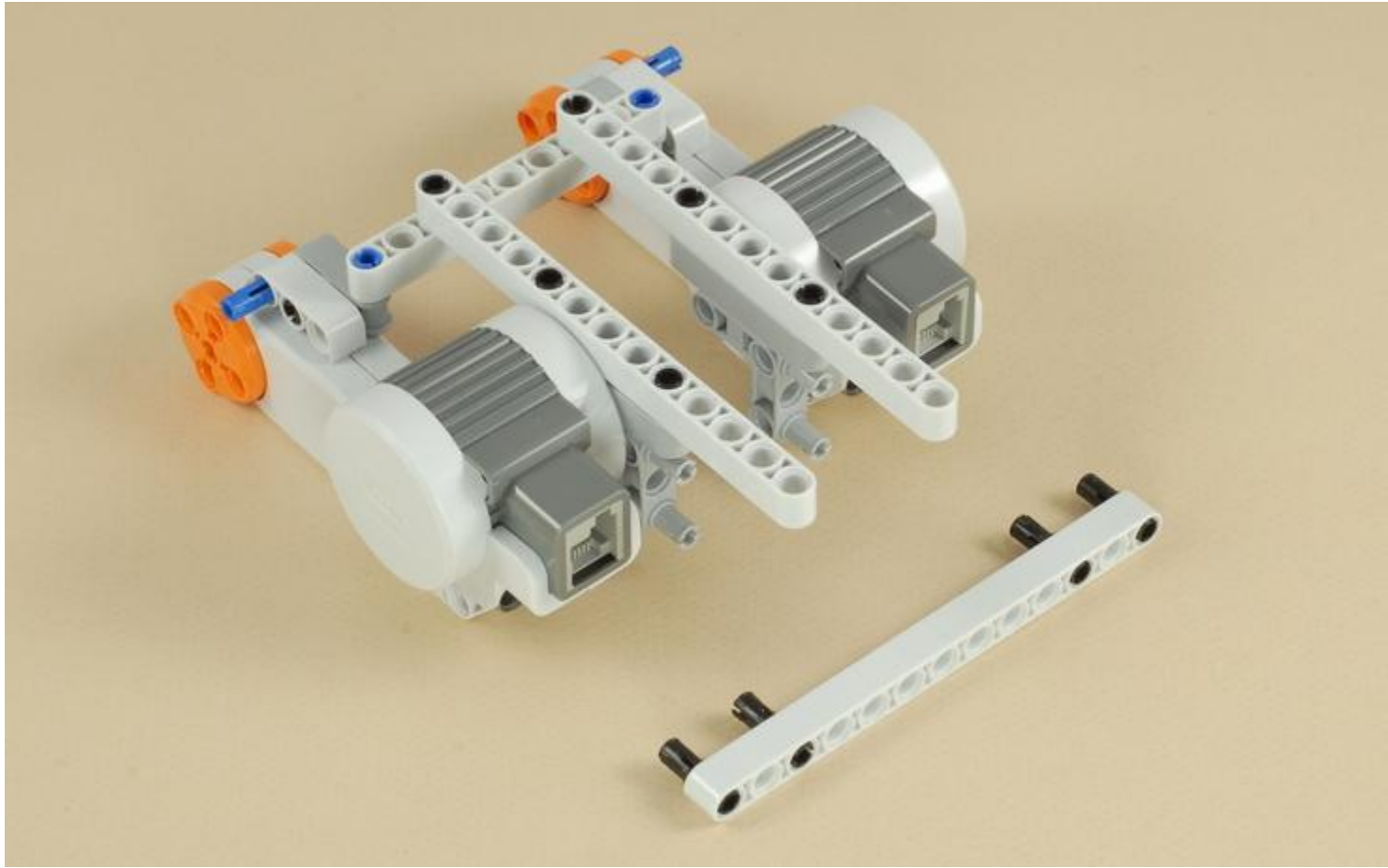


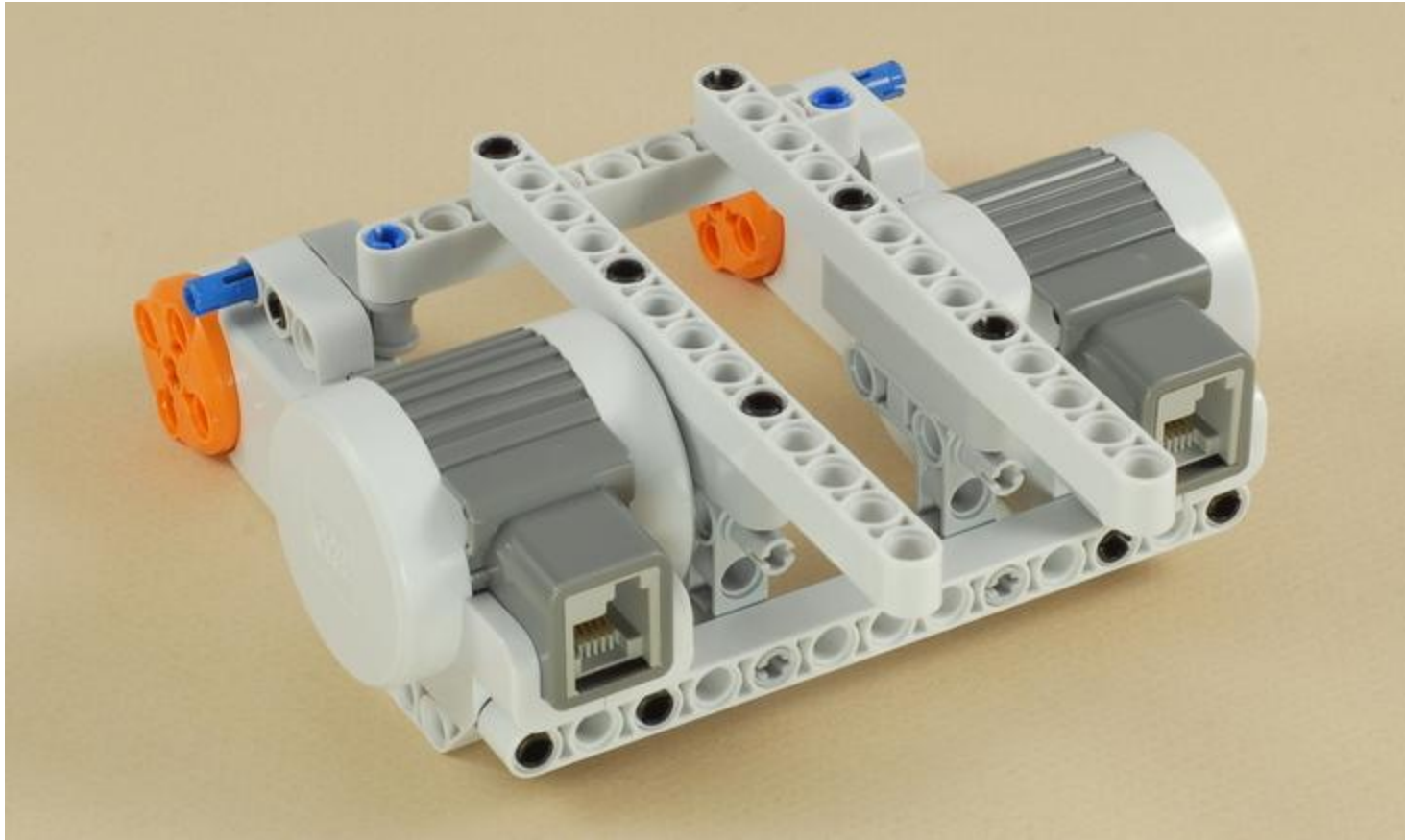


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2



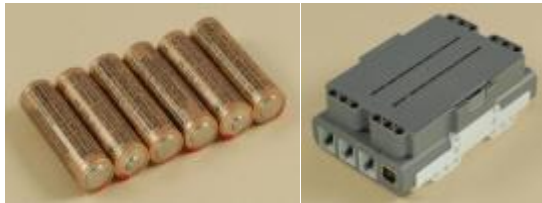




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# 3

**Important:** Use step **3-AA** if using AA batteries, use step **3-Li** if using the NXT Lithium rechargeable battery.

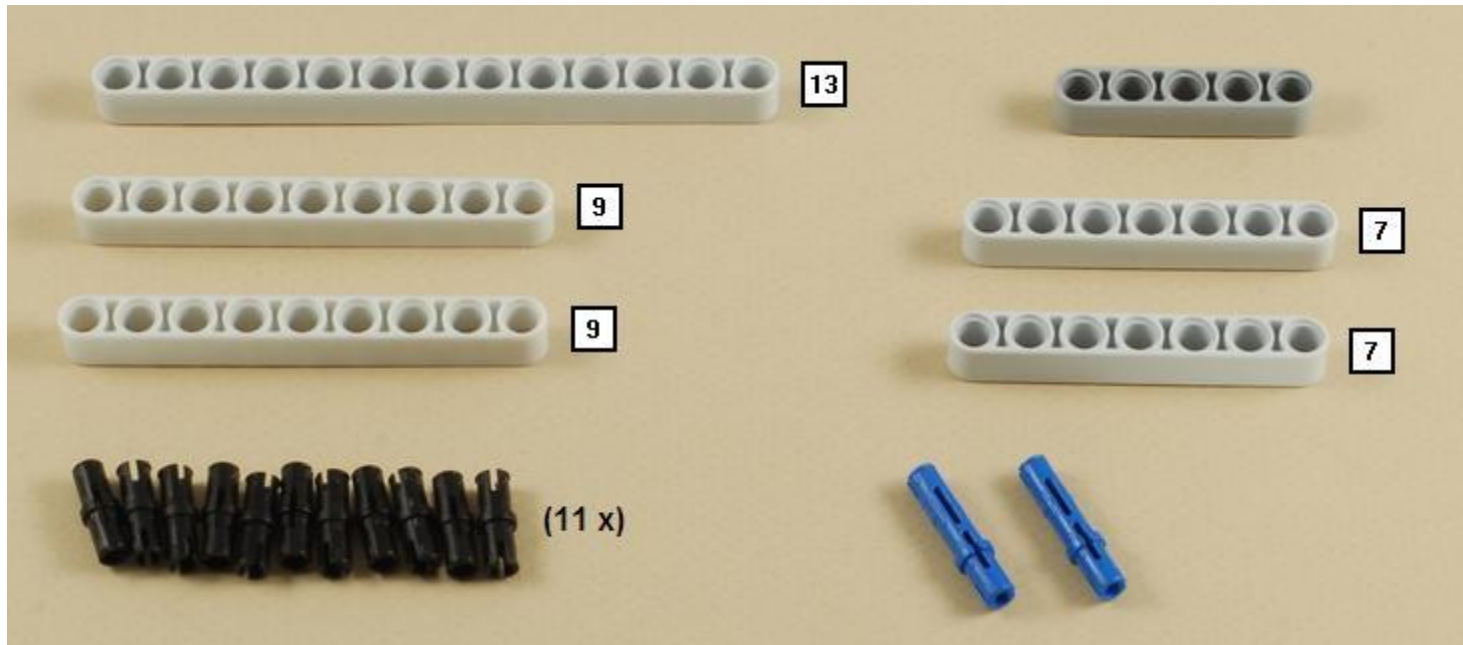


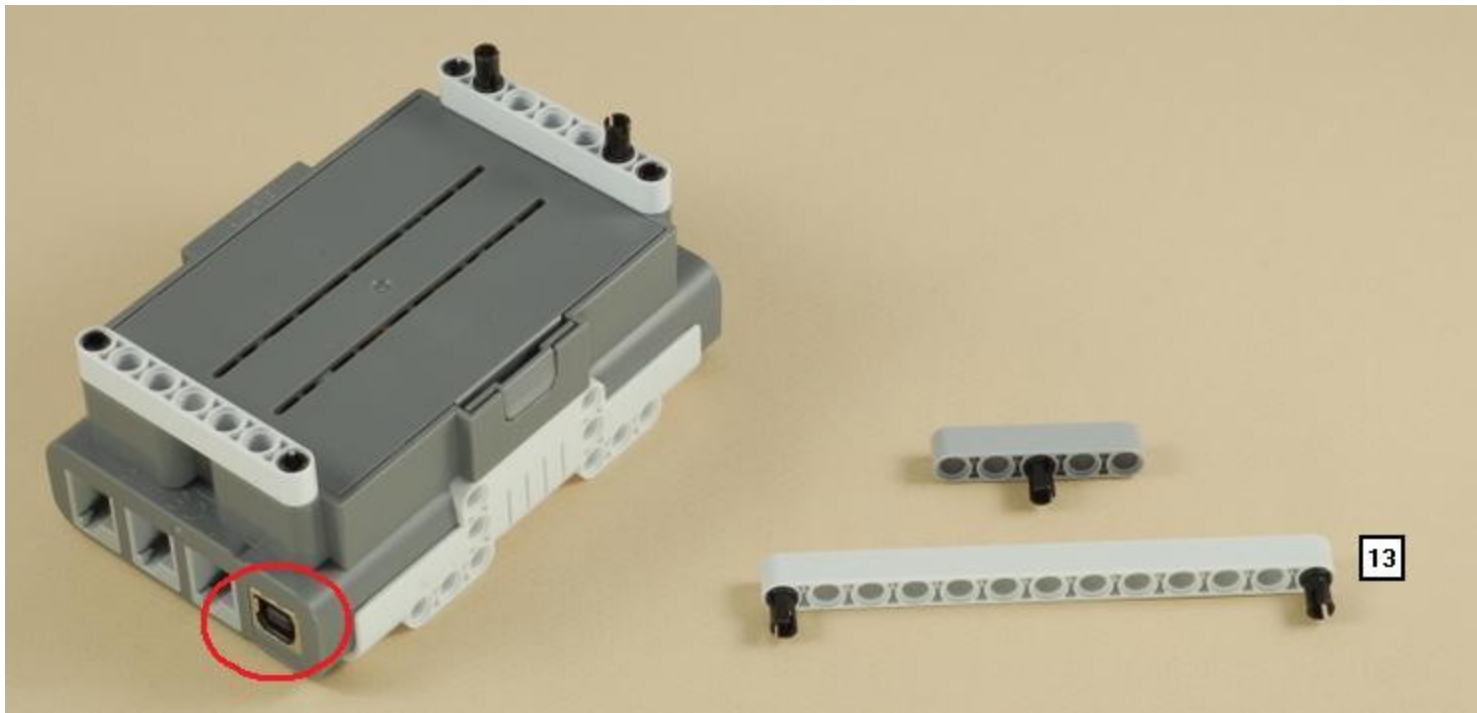
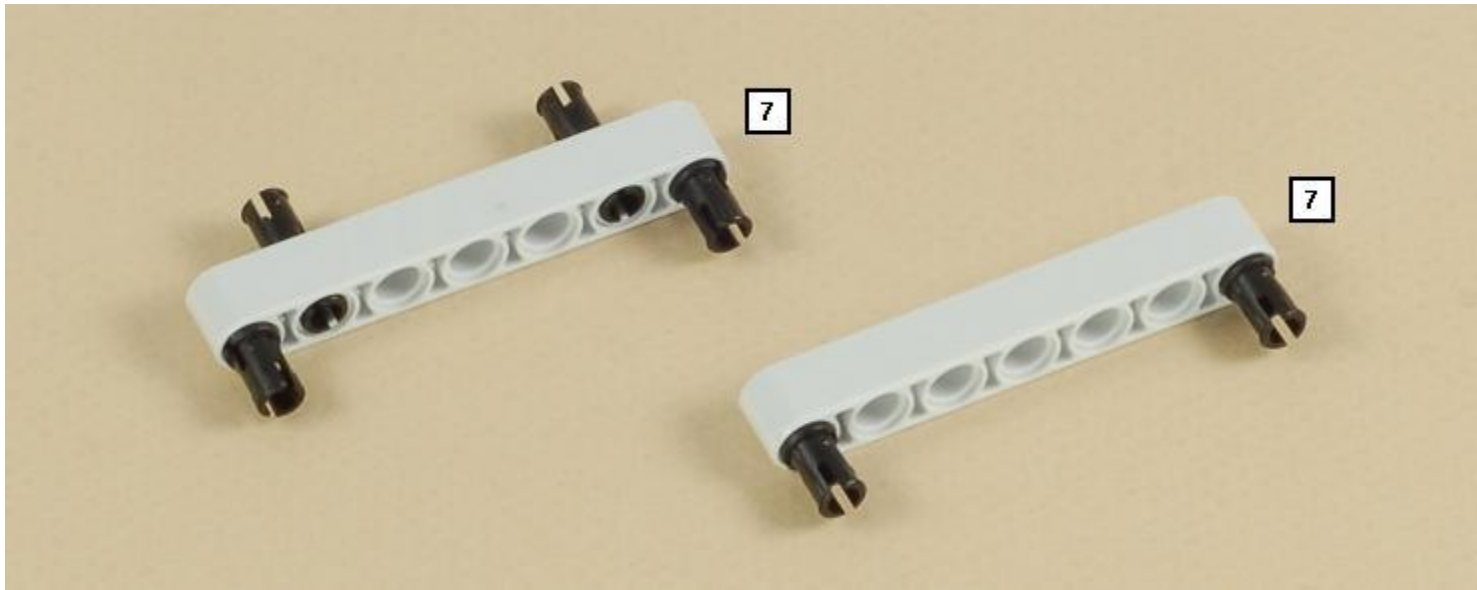
➔ **3-AA**



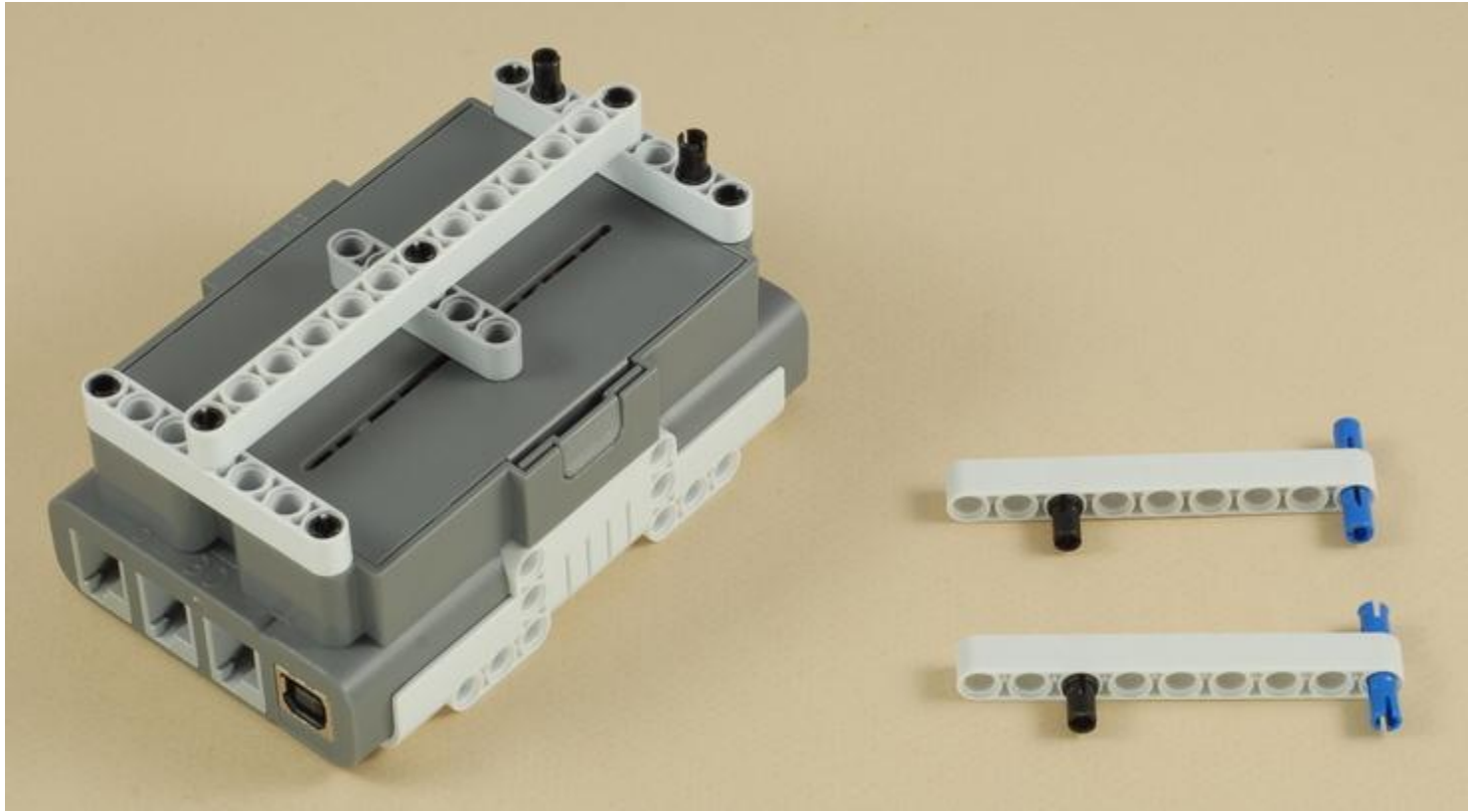
➔ 3-Li

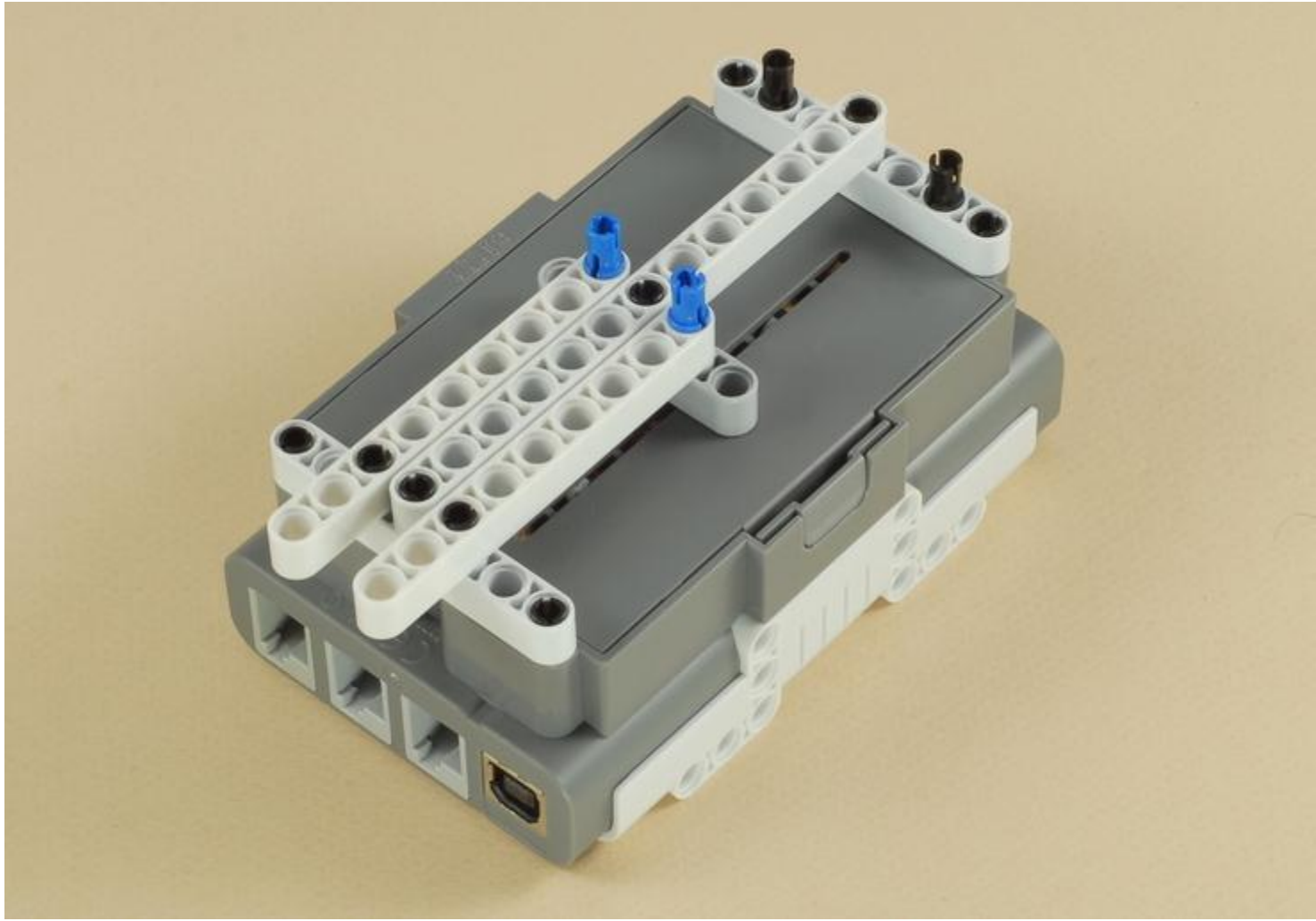
## 3-AA (for AA batteries only)

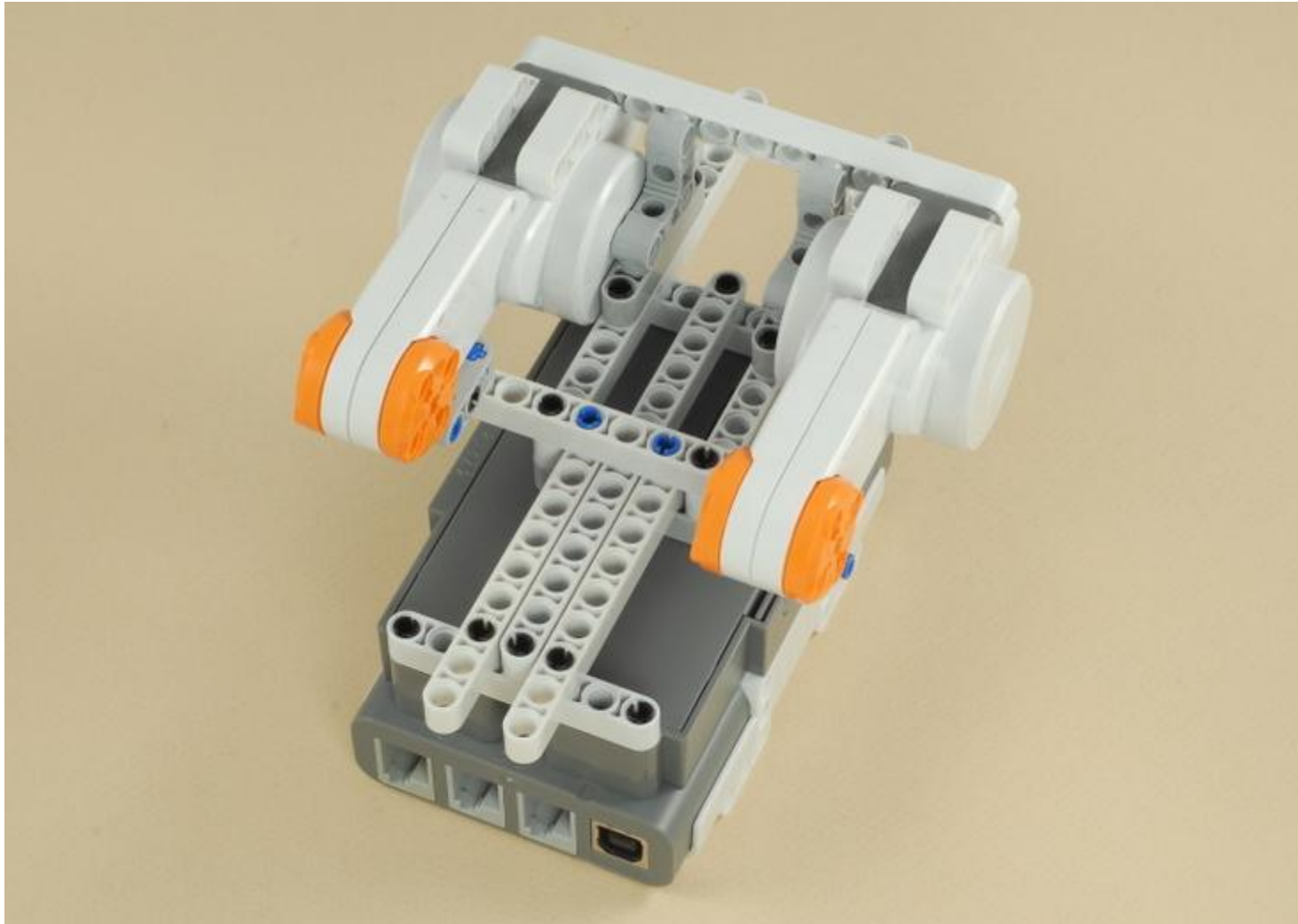






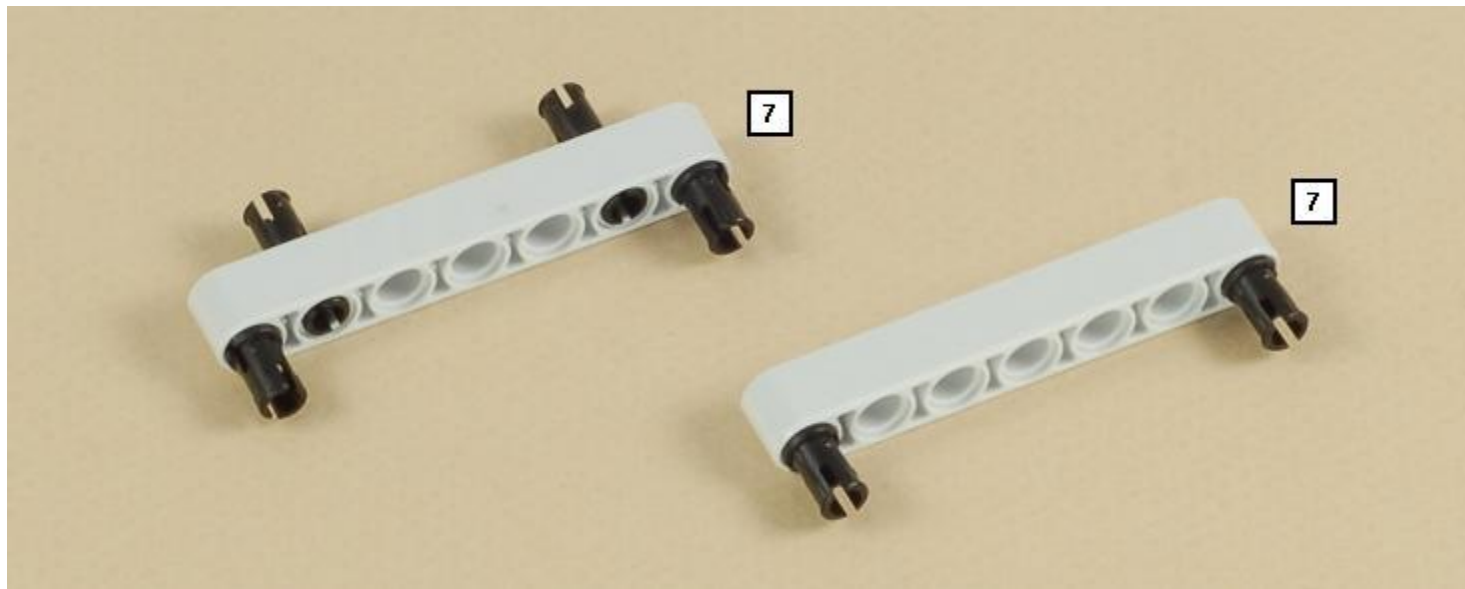
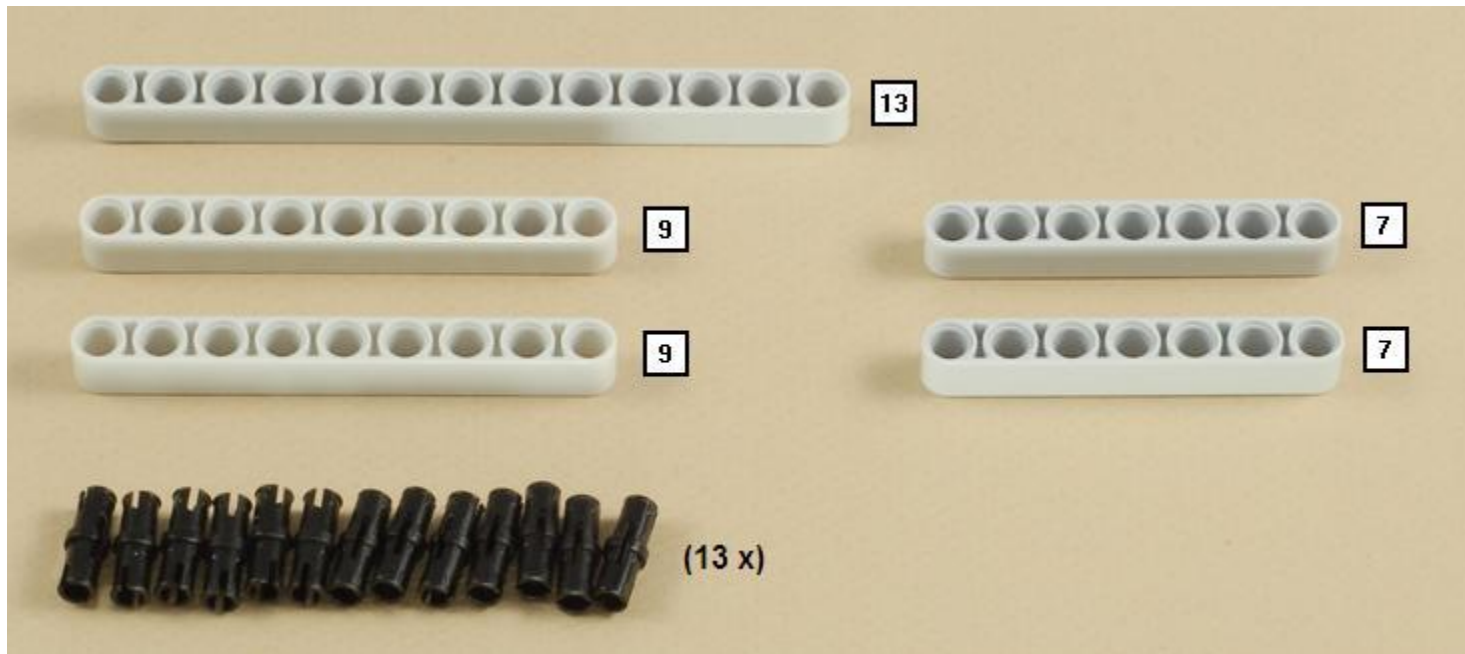


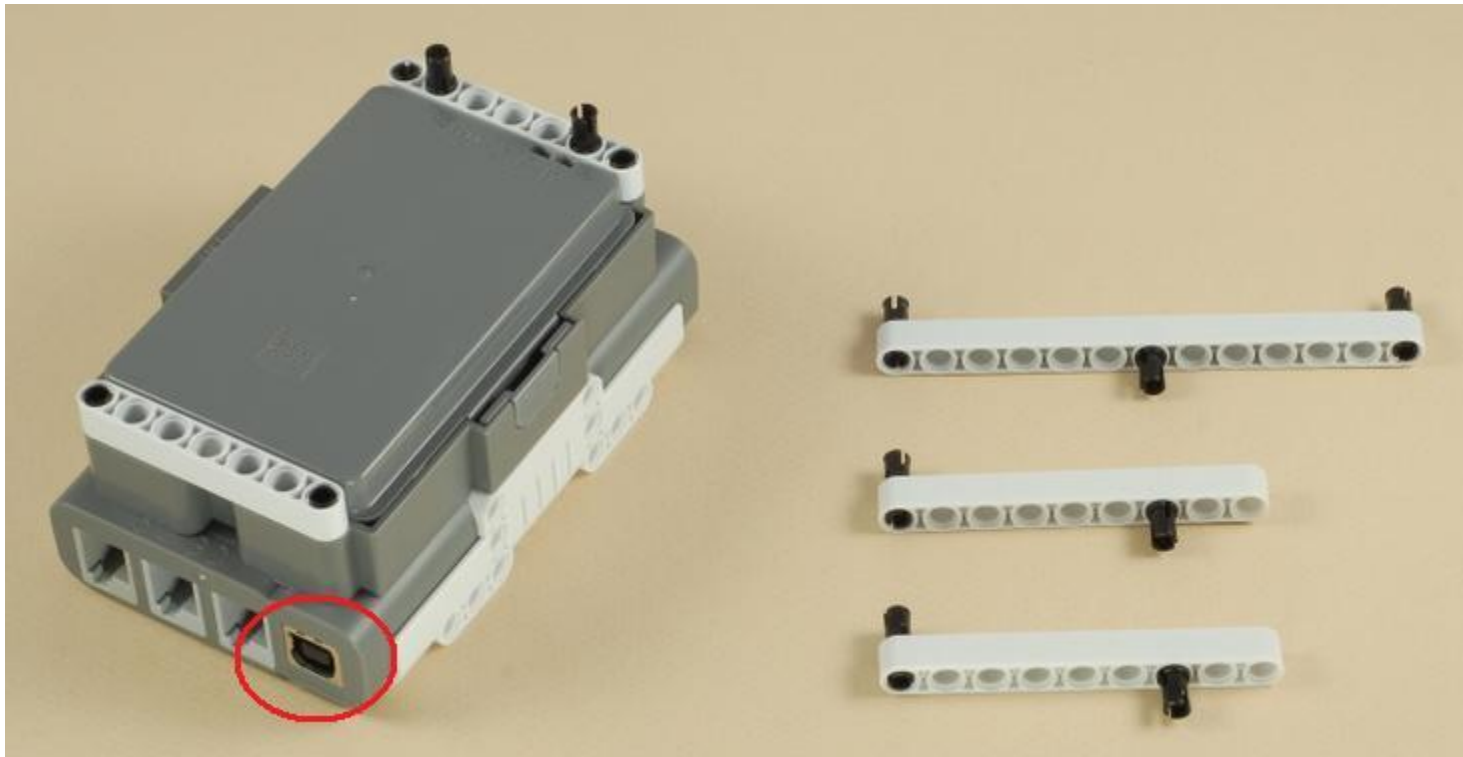


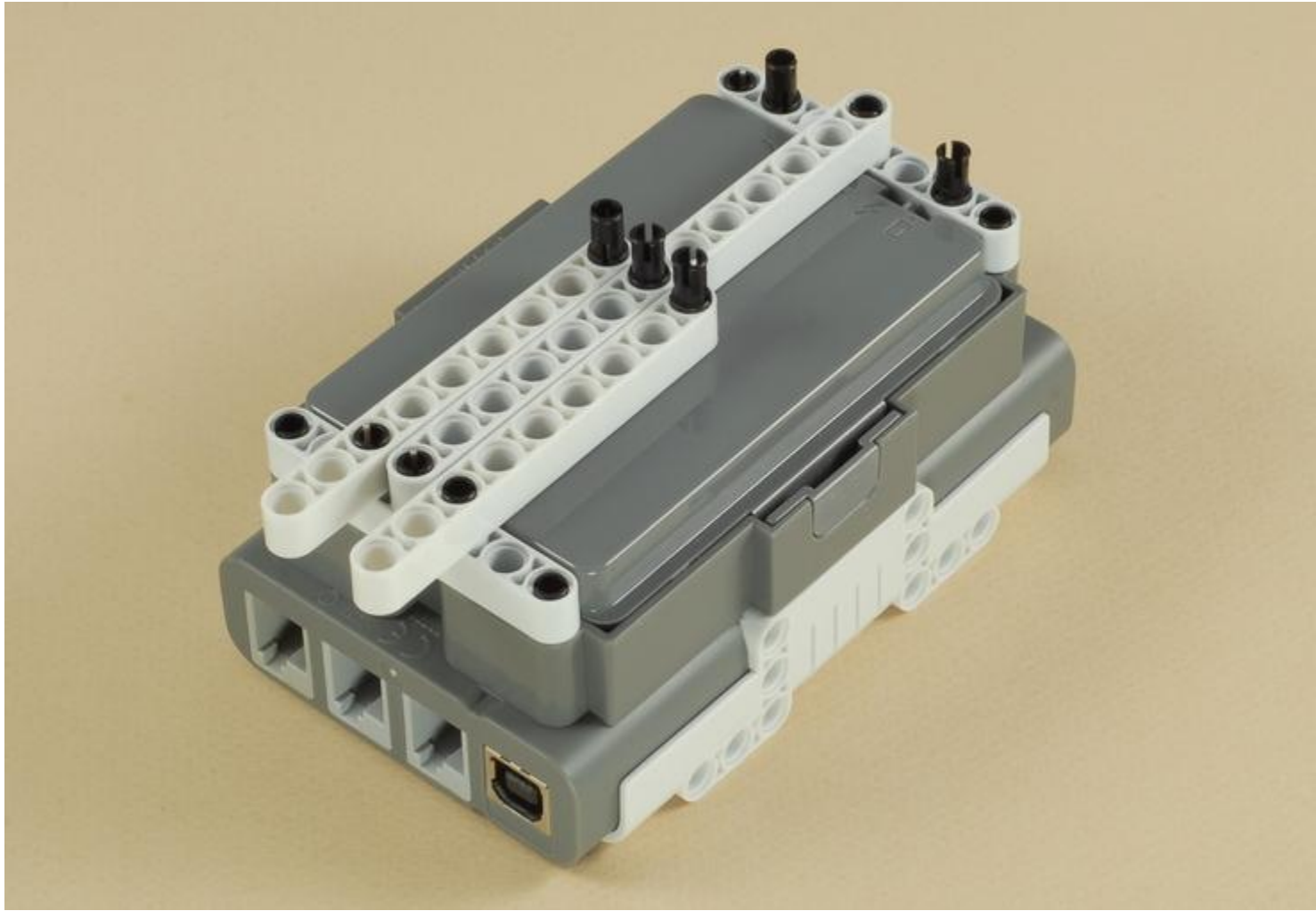


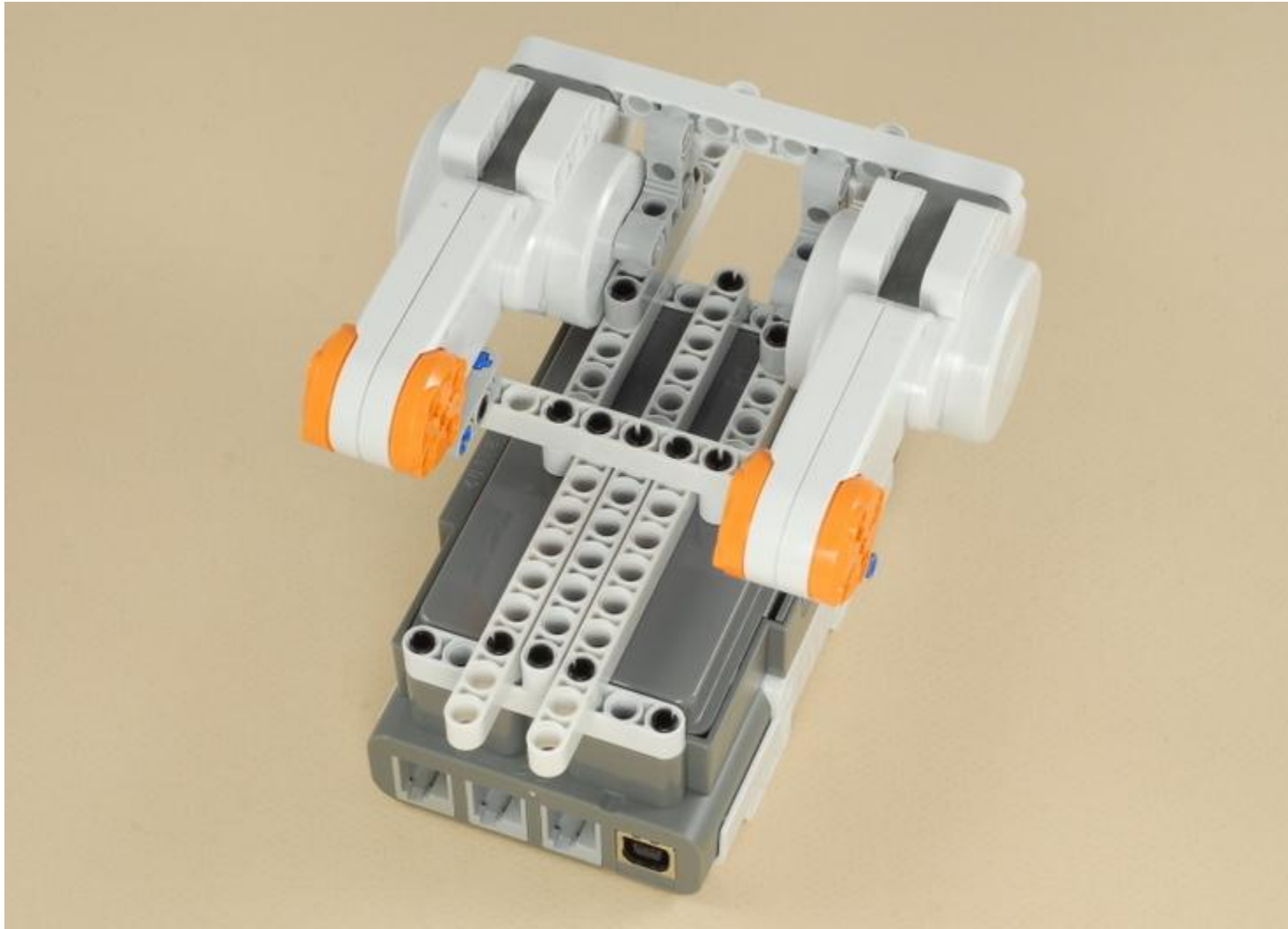
[Continue to Step 4](#)

**3-Li** (for Lithium Rechargeable Battery Pack only)



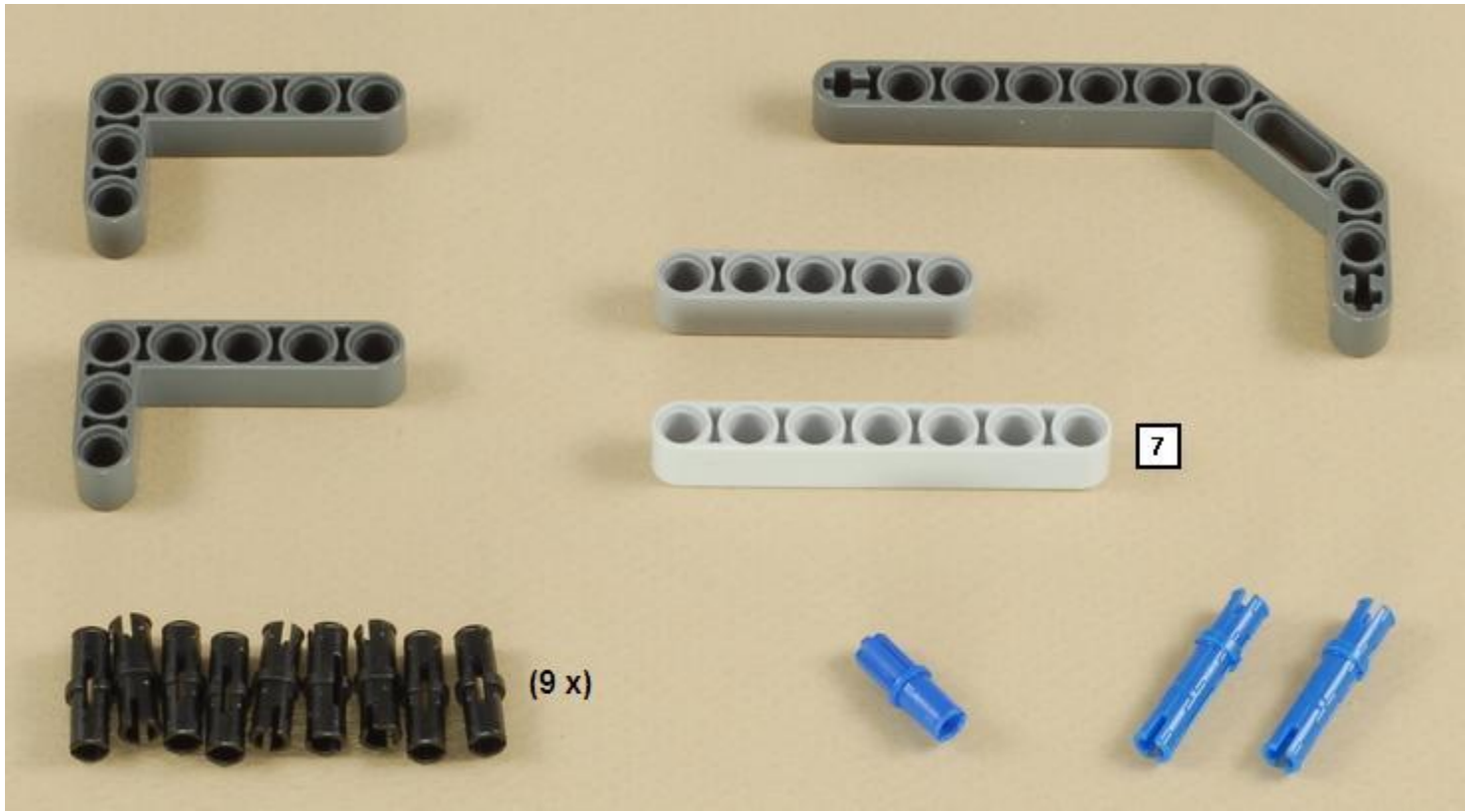




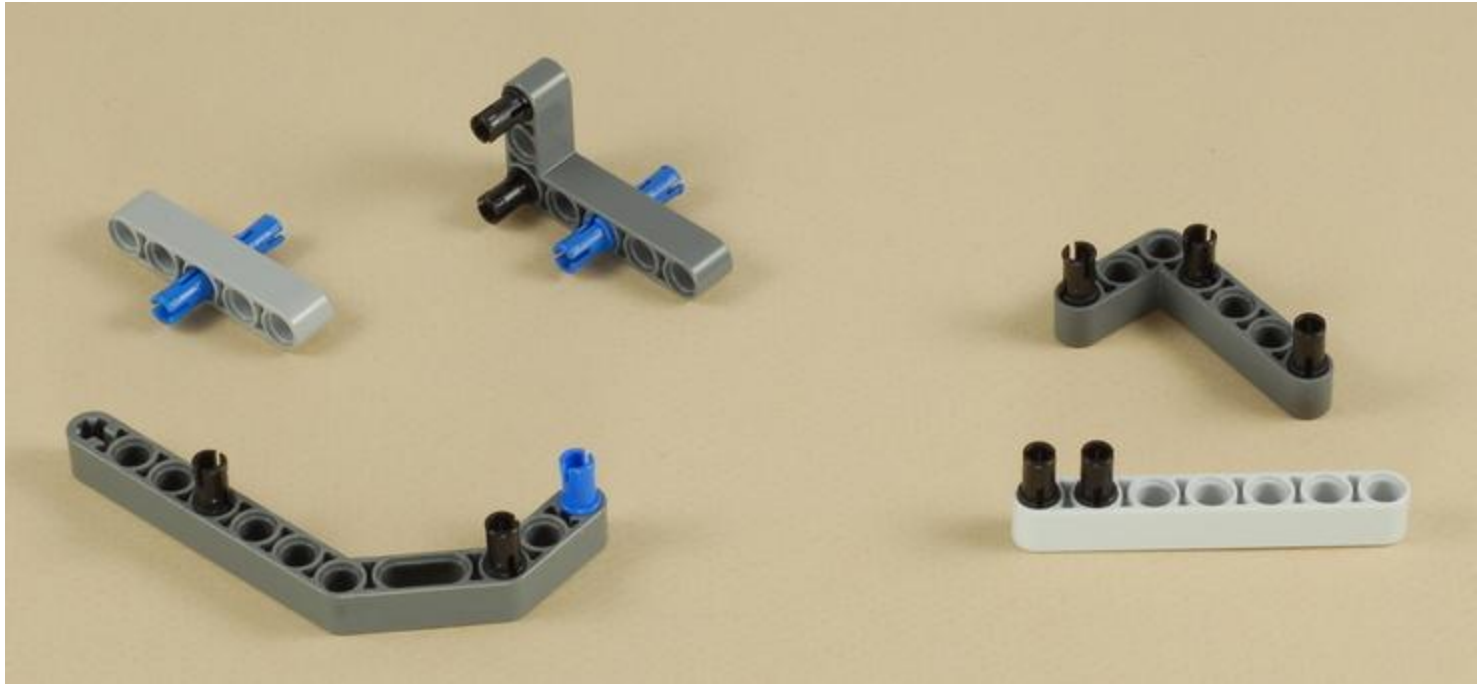


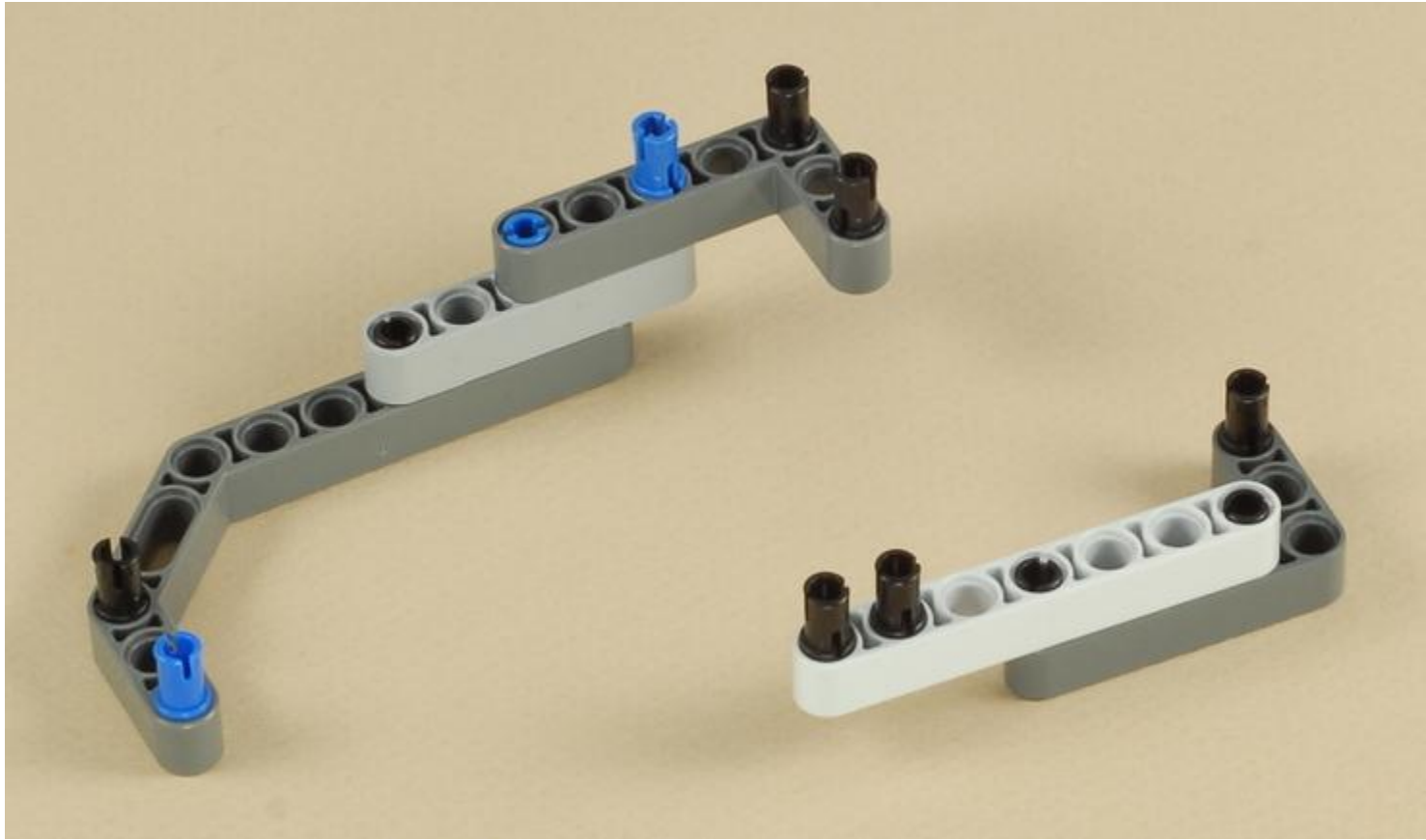
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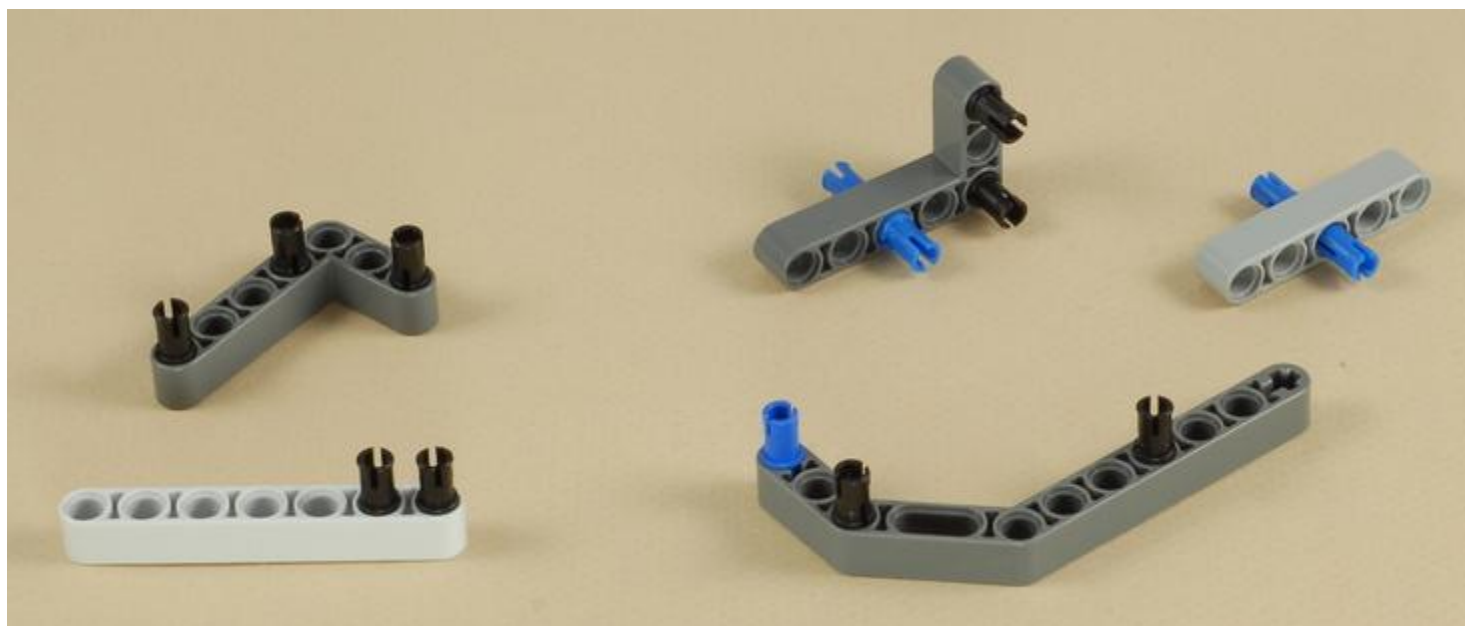
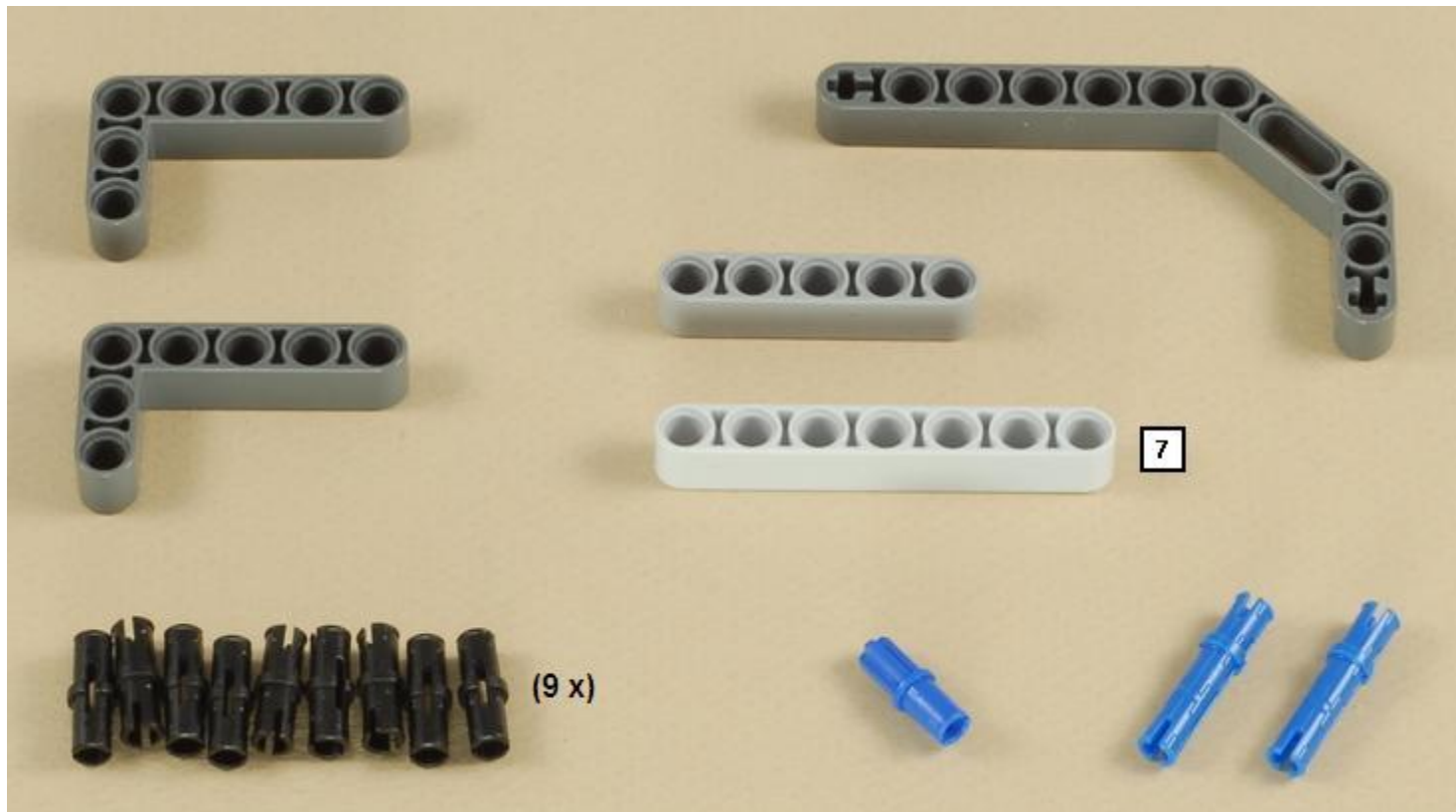


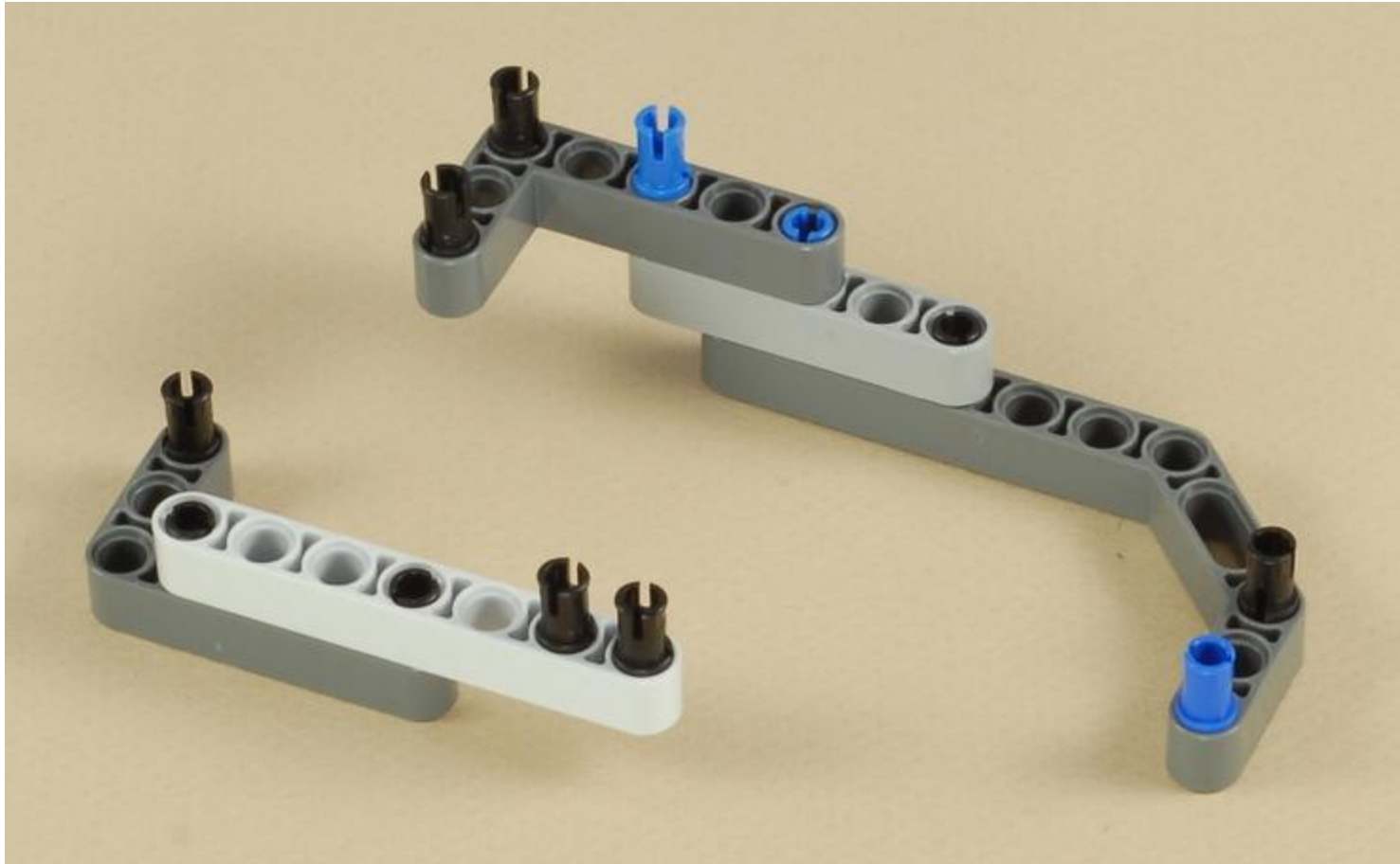




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5

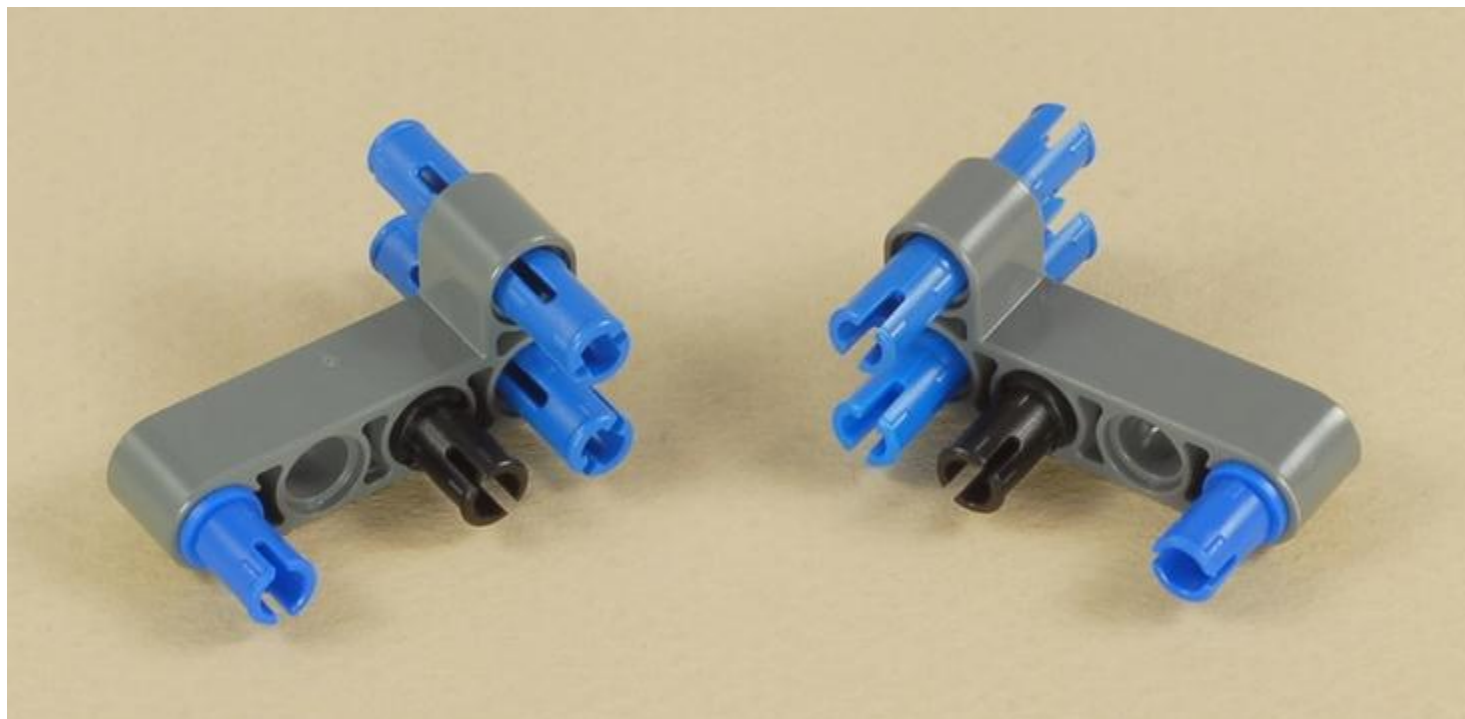
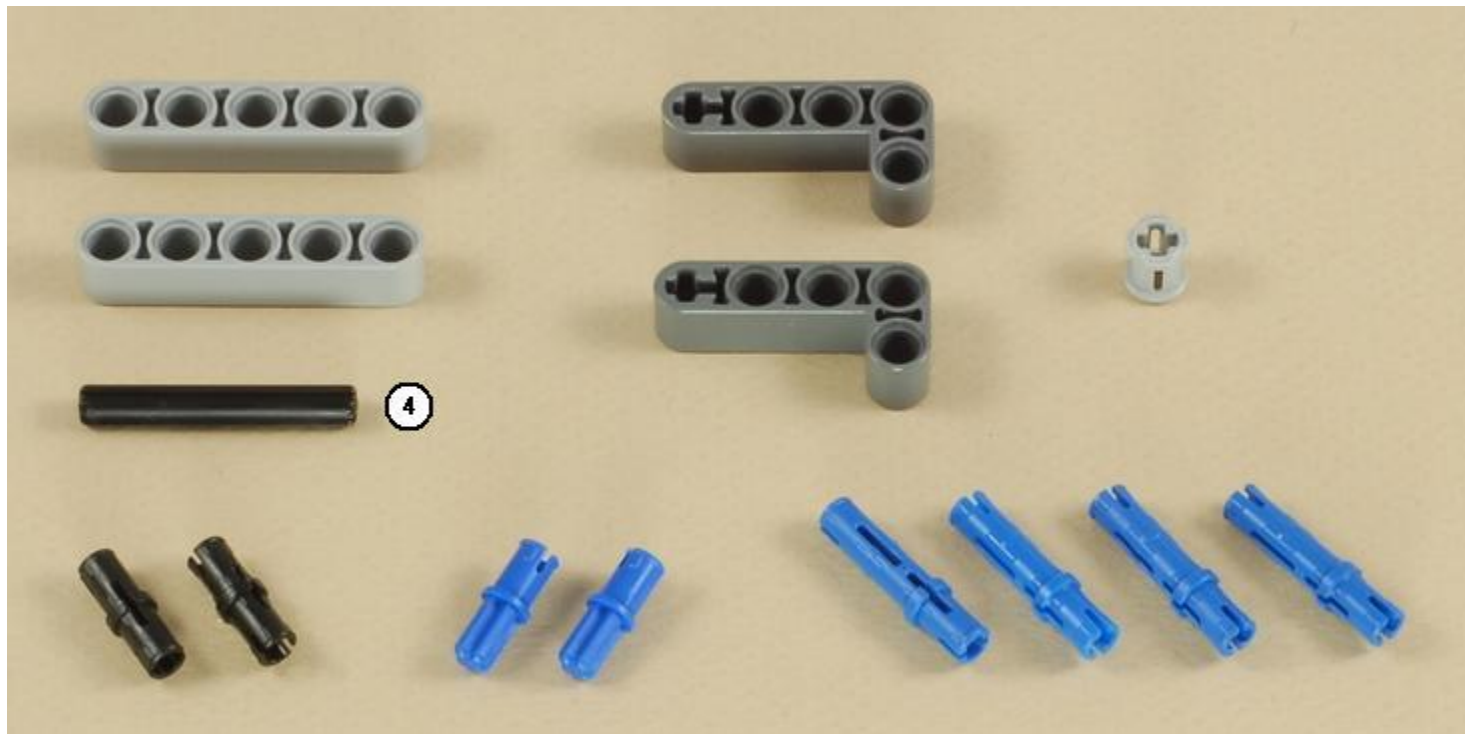


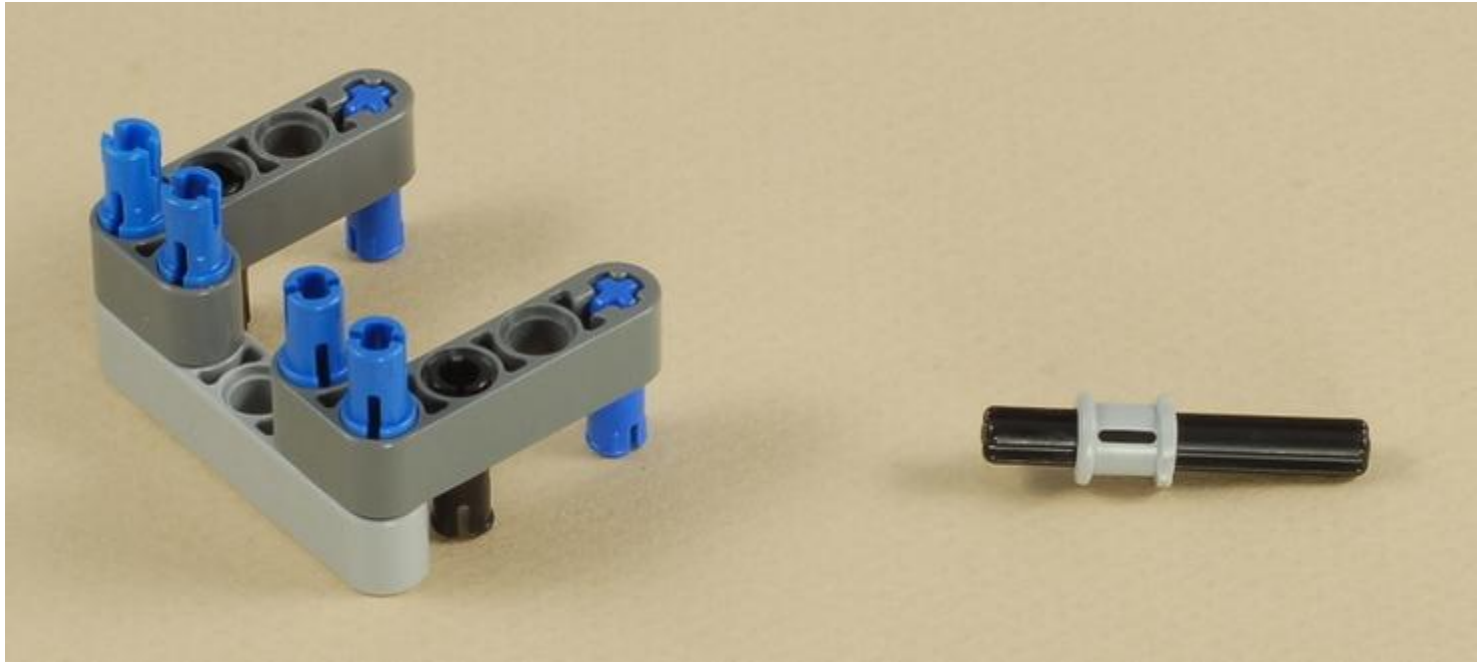




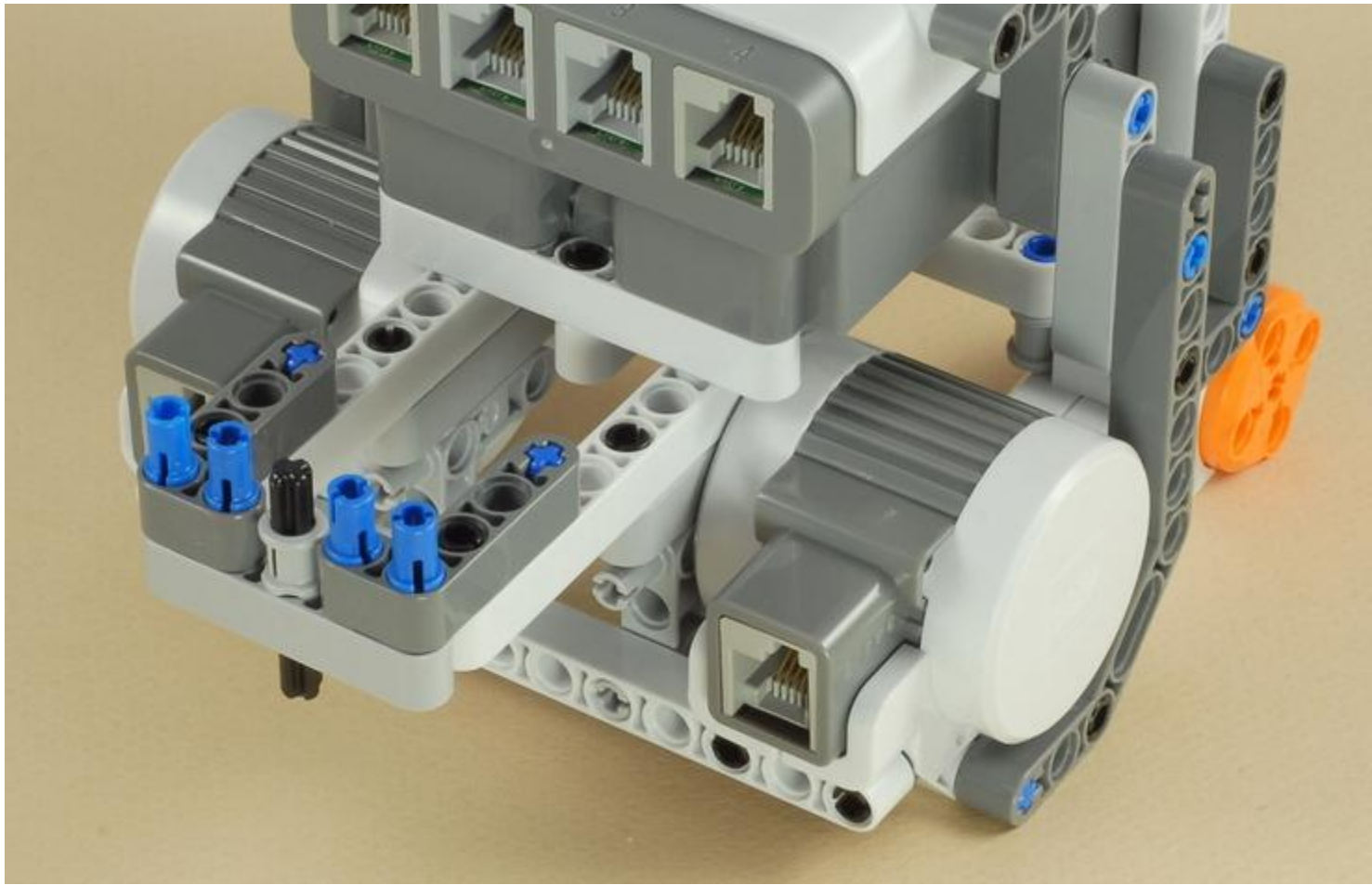
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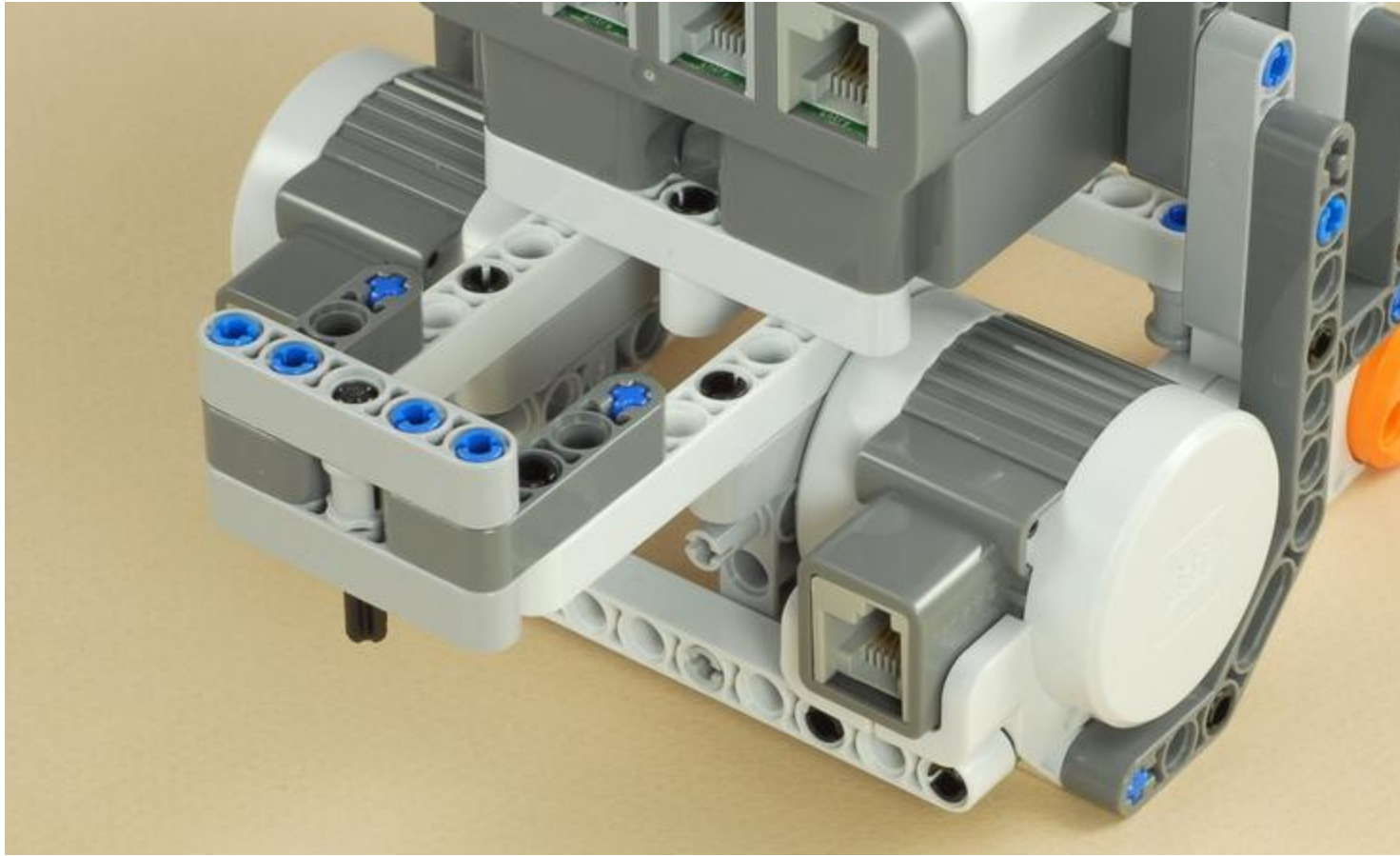
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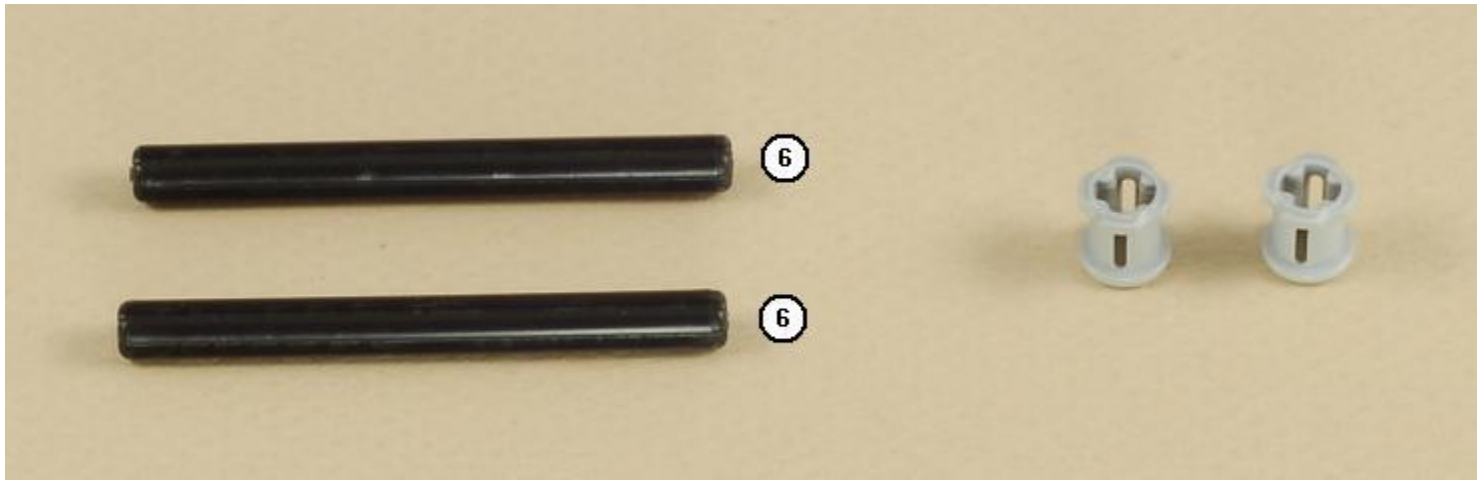






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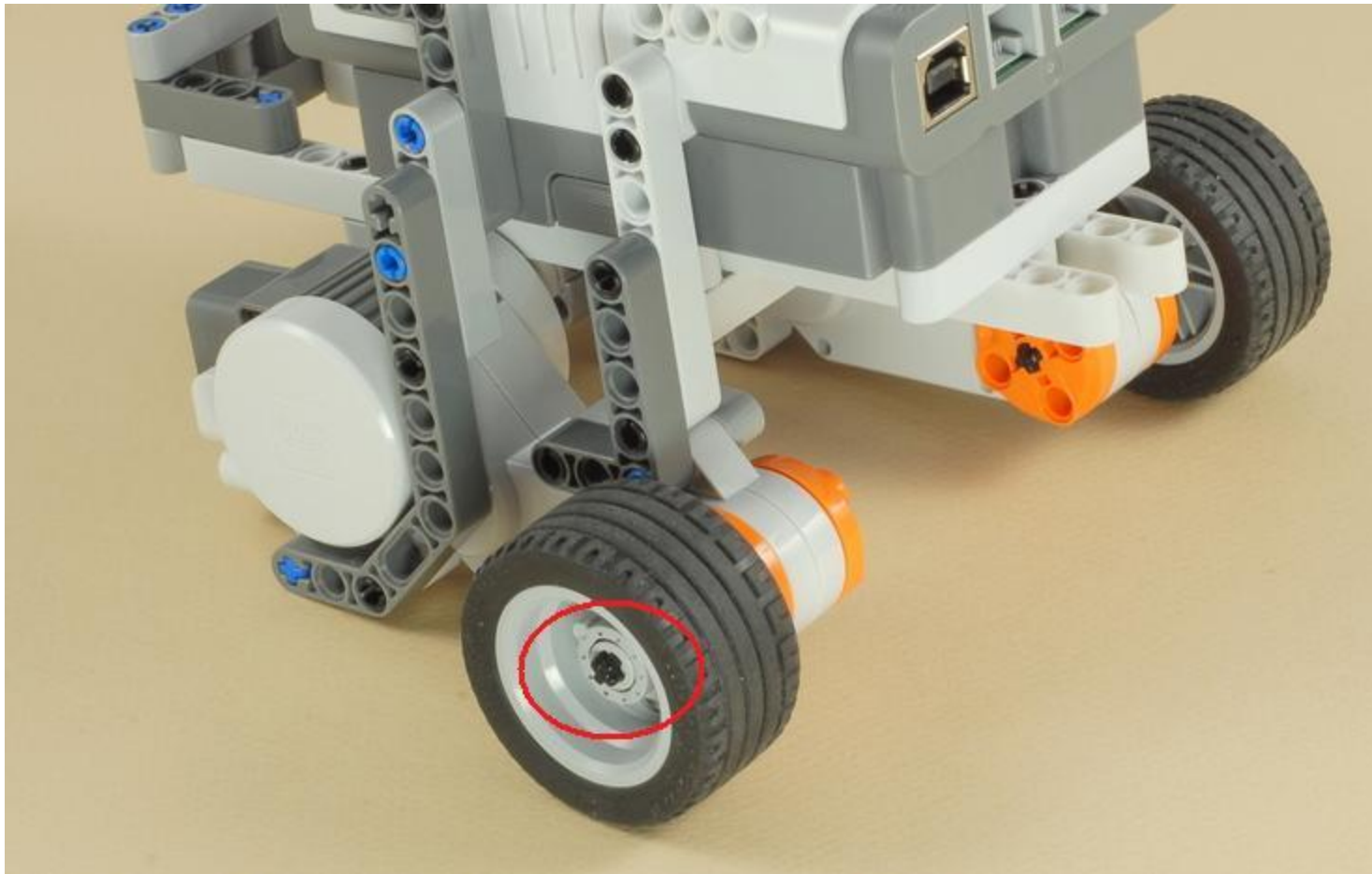
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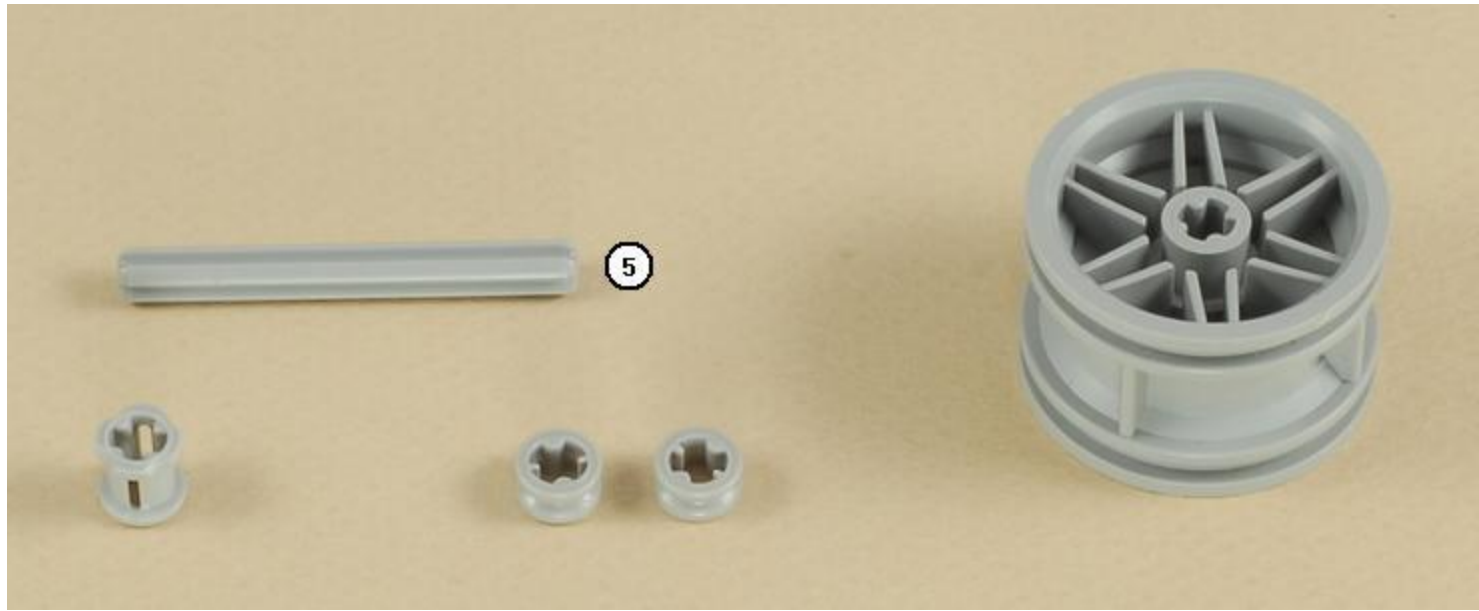
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9



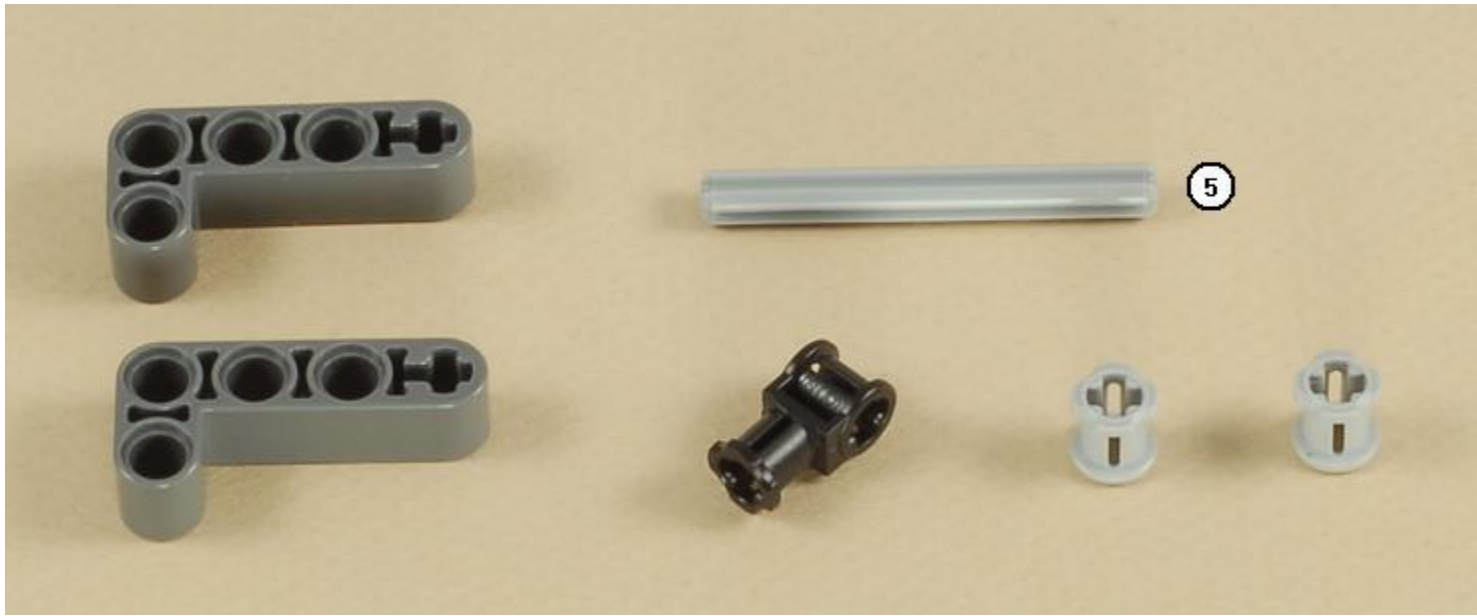




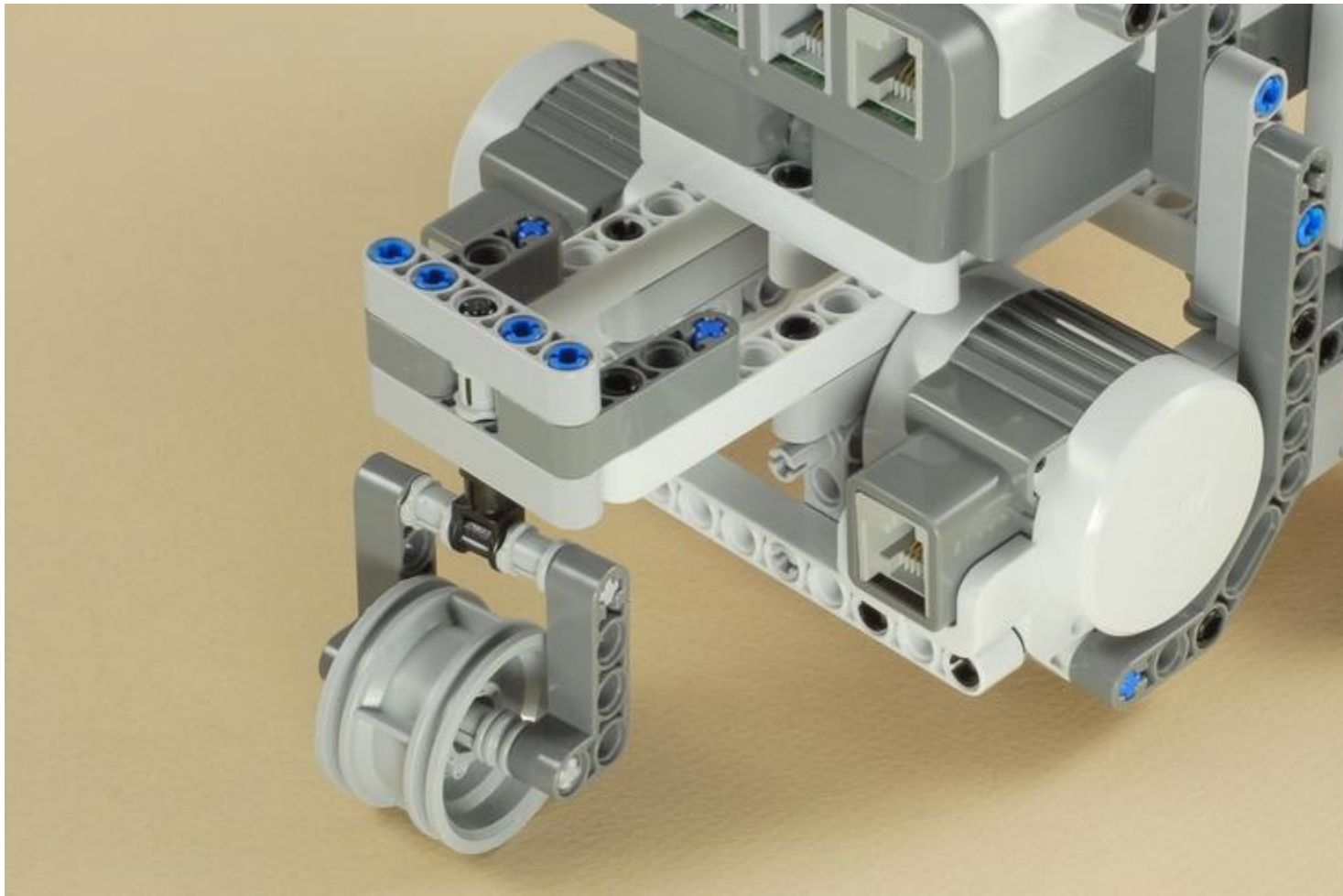
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**10**









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11



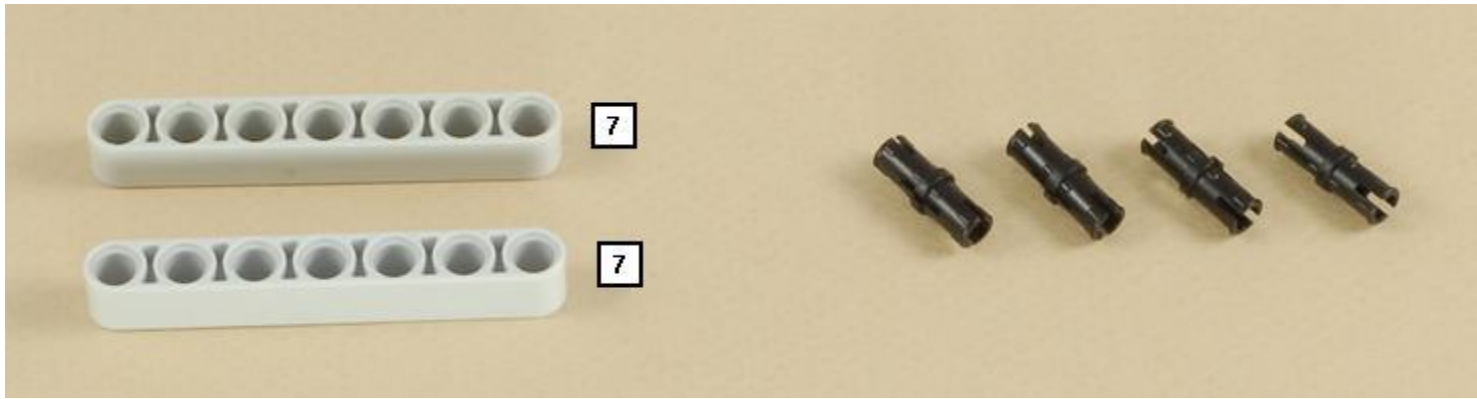
Use two medium length wires to connect the two drive motors to ports **B** and **C** on the NXT.

**Important:** Keep the left wire on the left and the right wire on the right (do not cross the wires).



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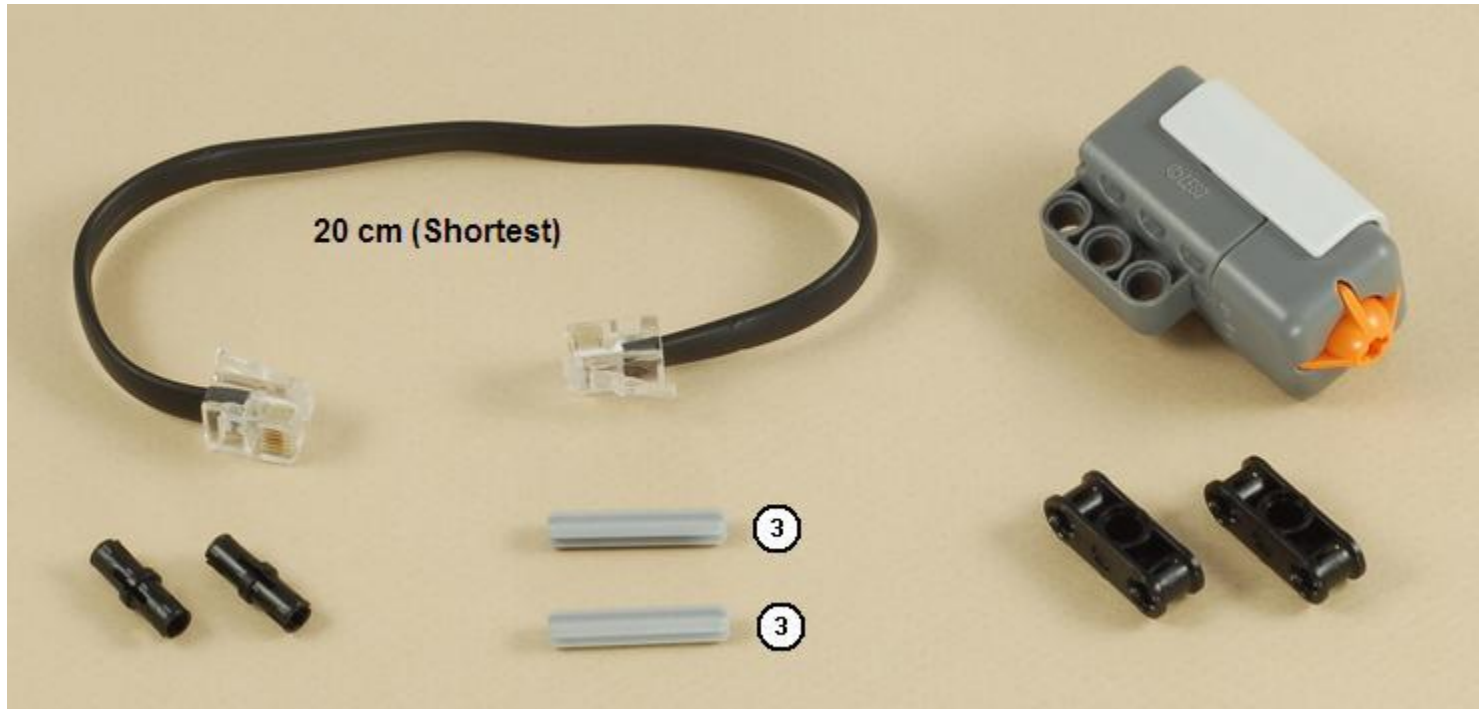
12





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**13**







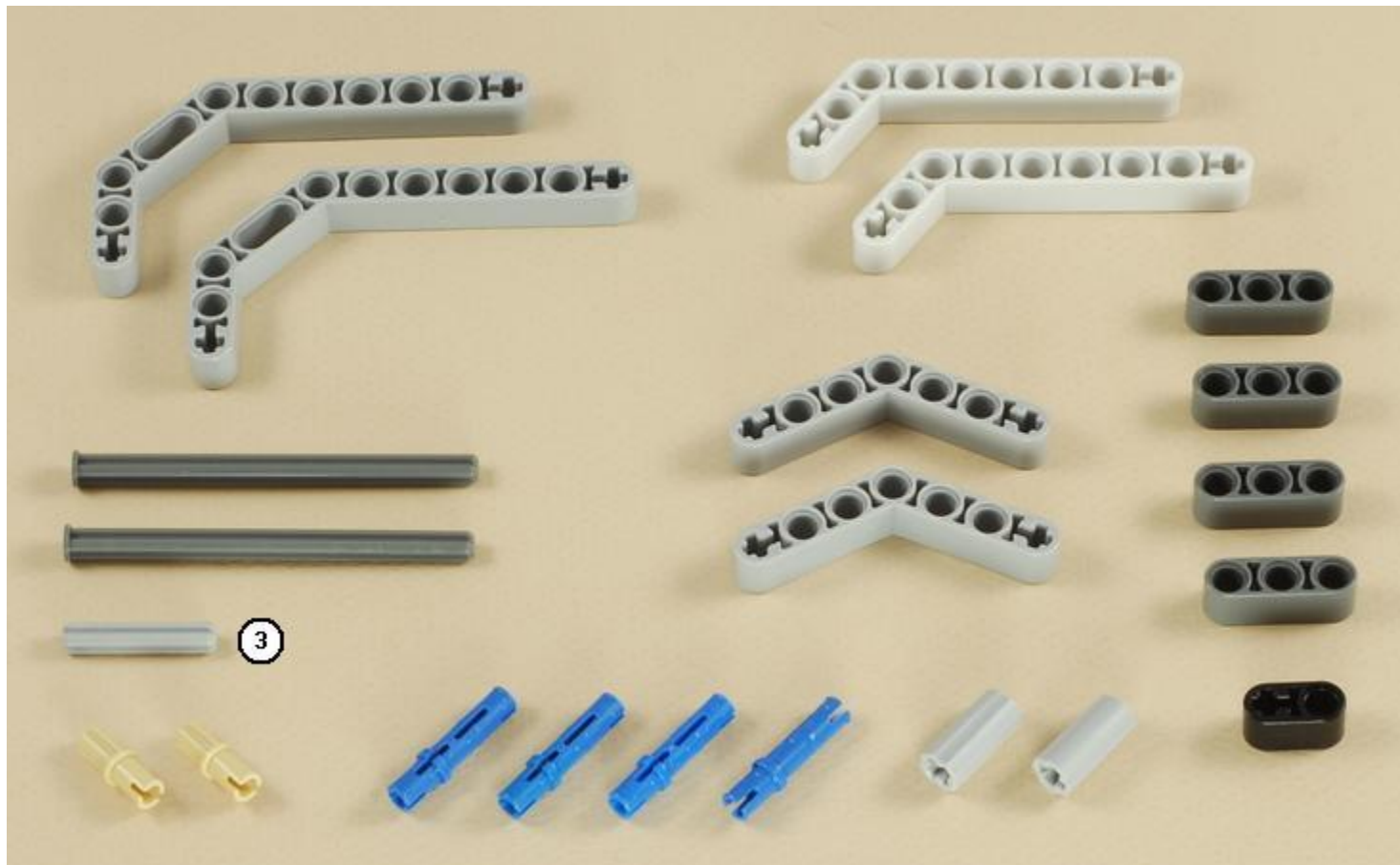


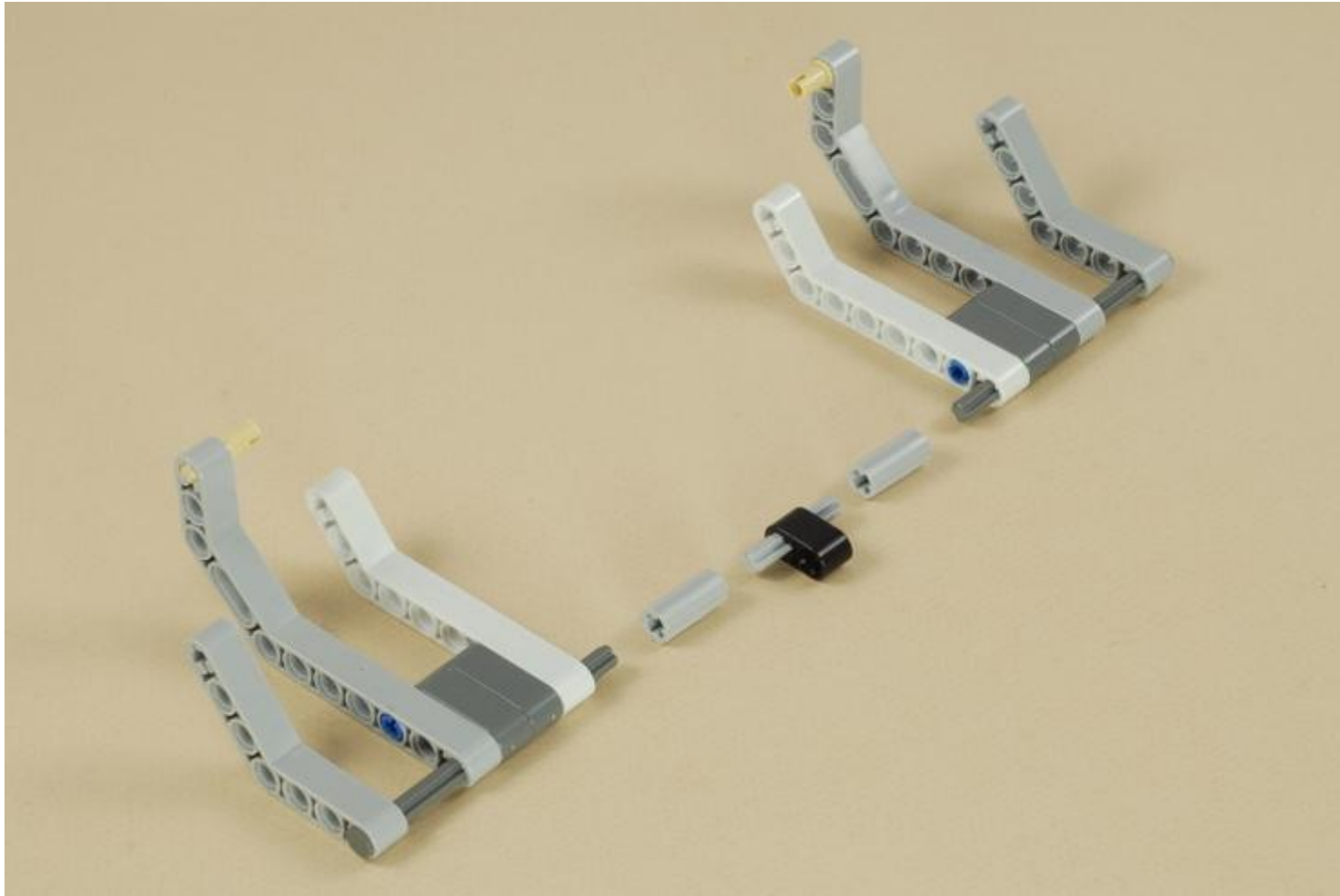
Connect the touch sensor wire to port **1** on the NXT.

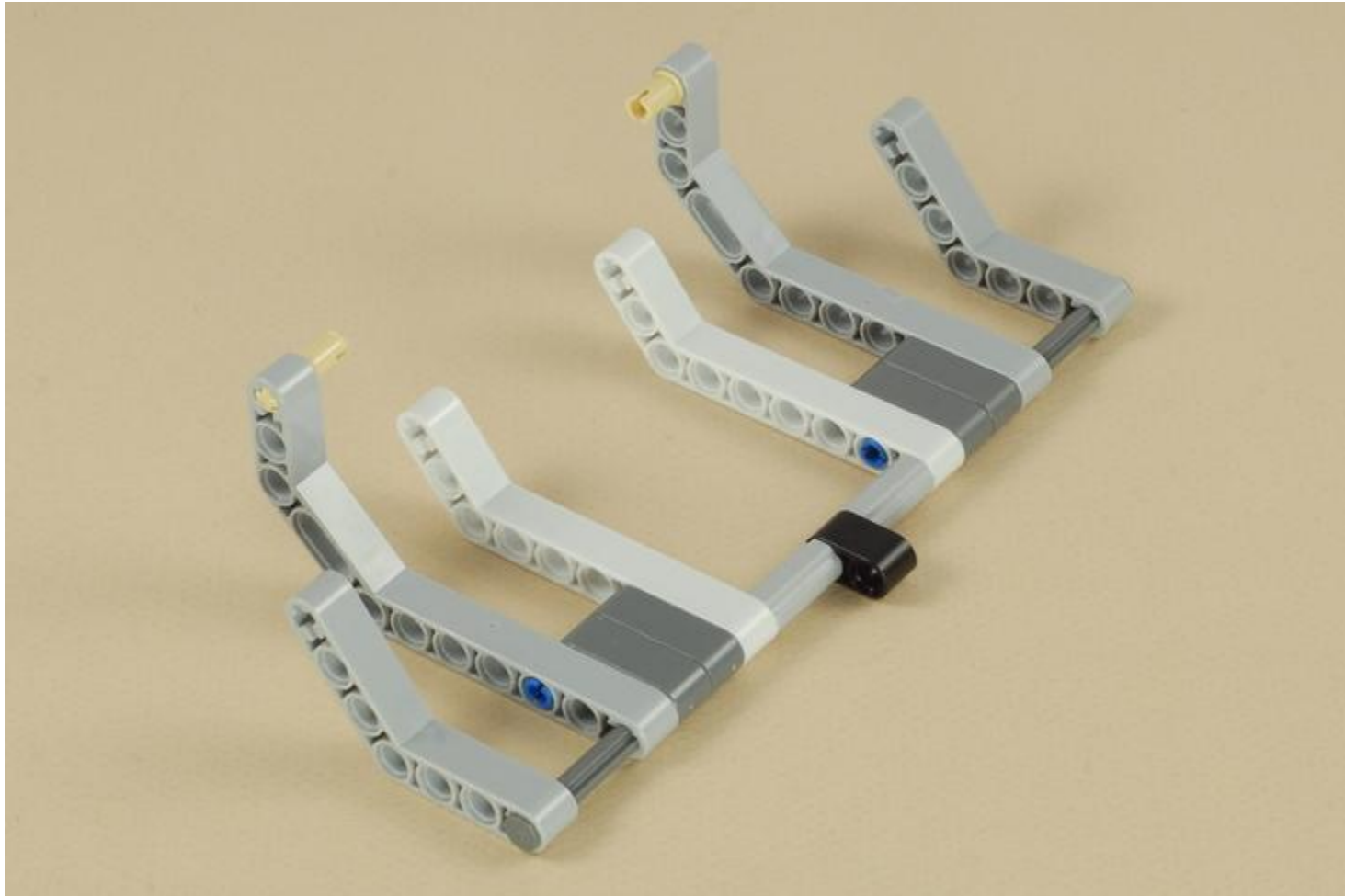


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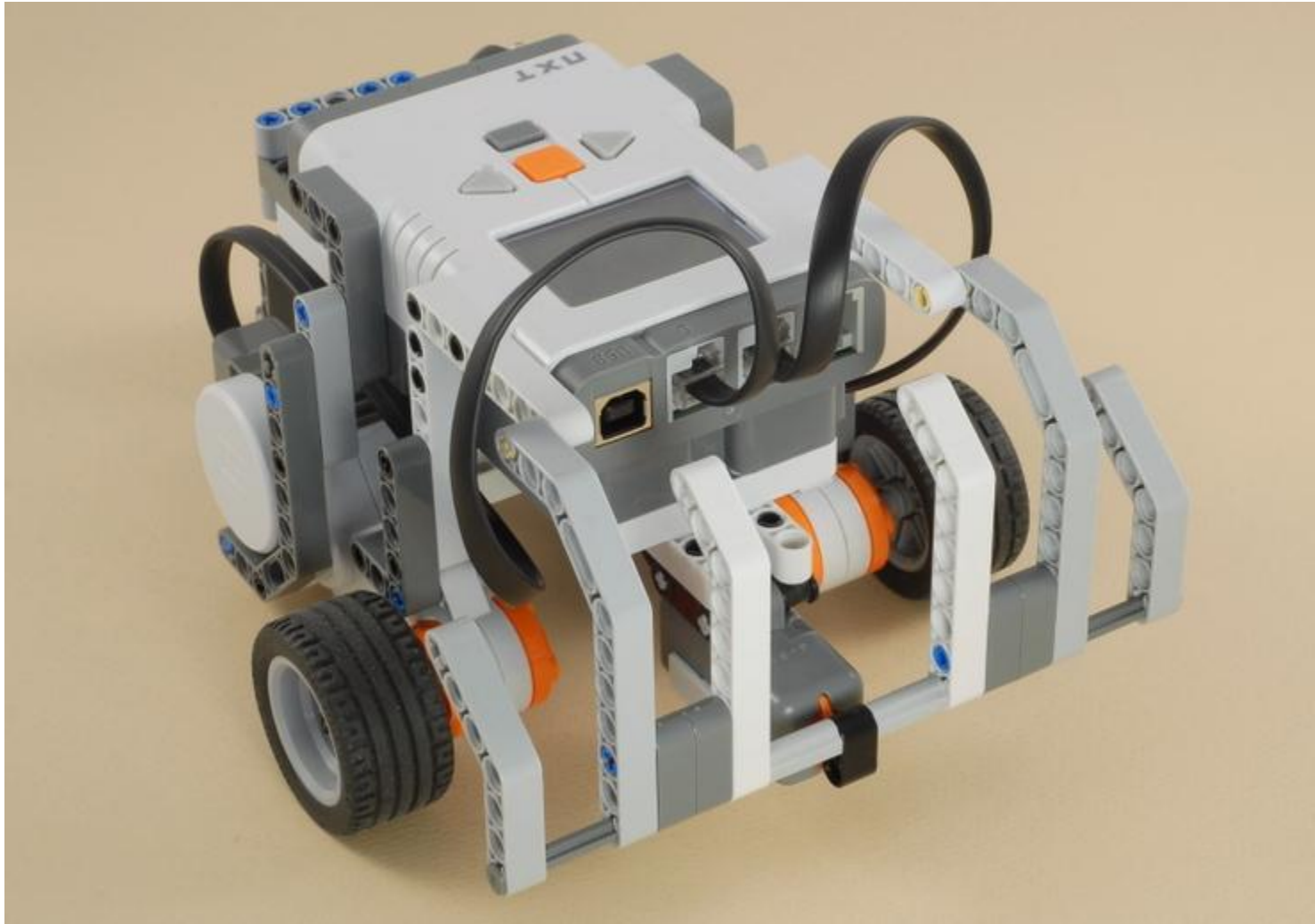
14



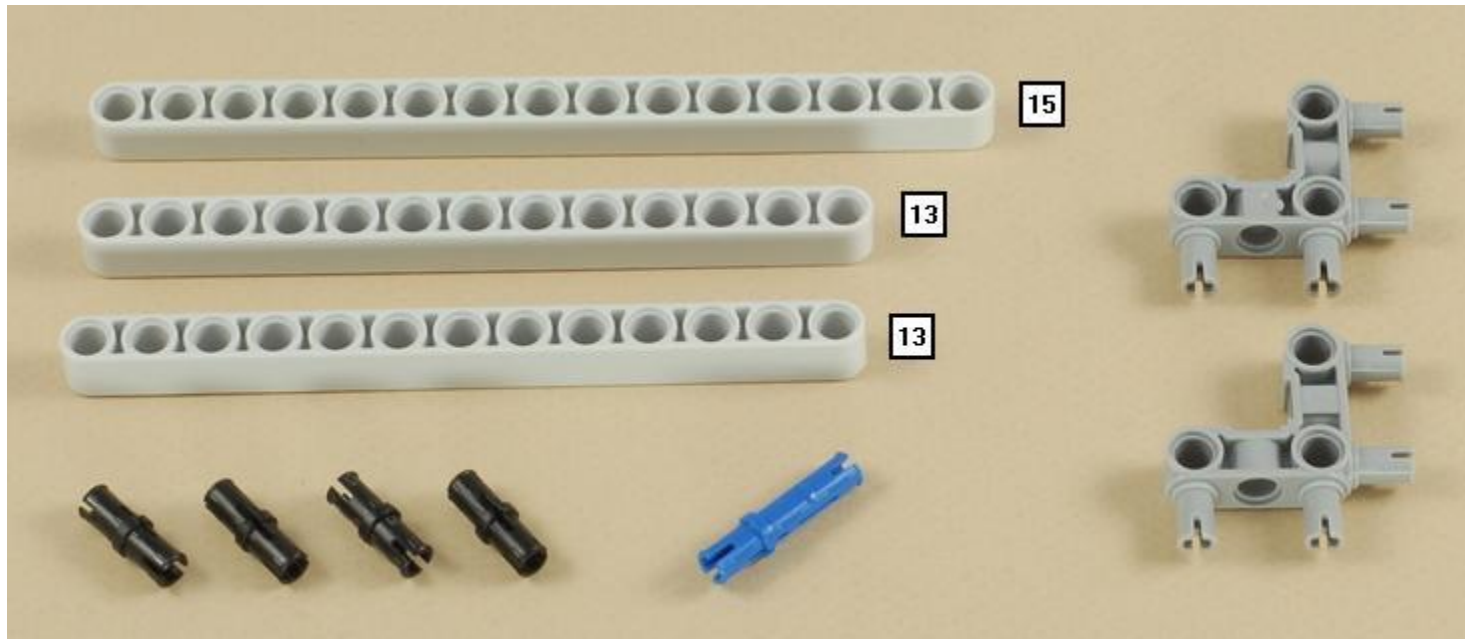




**Important:** Make sure that the wires stay out of the way of the bumper.



# 15



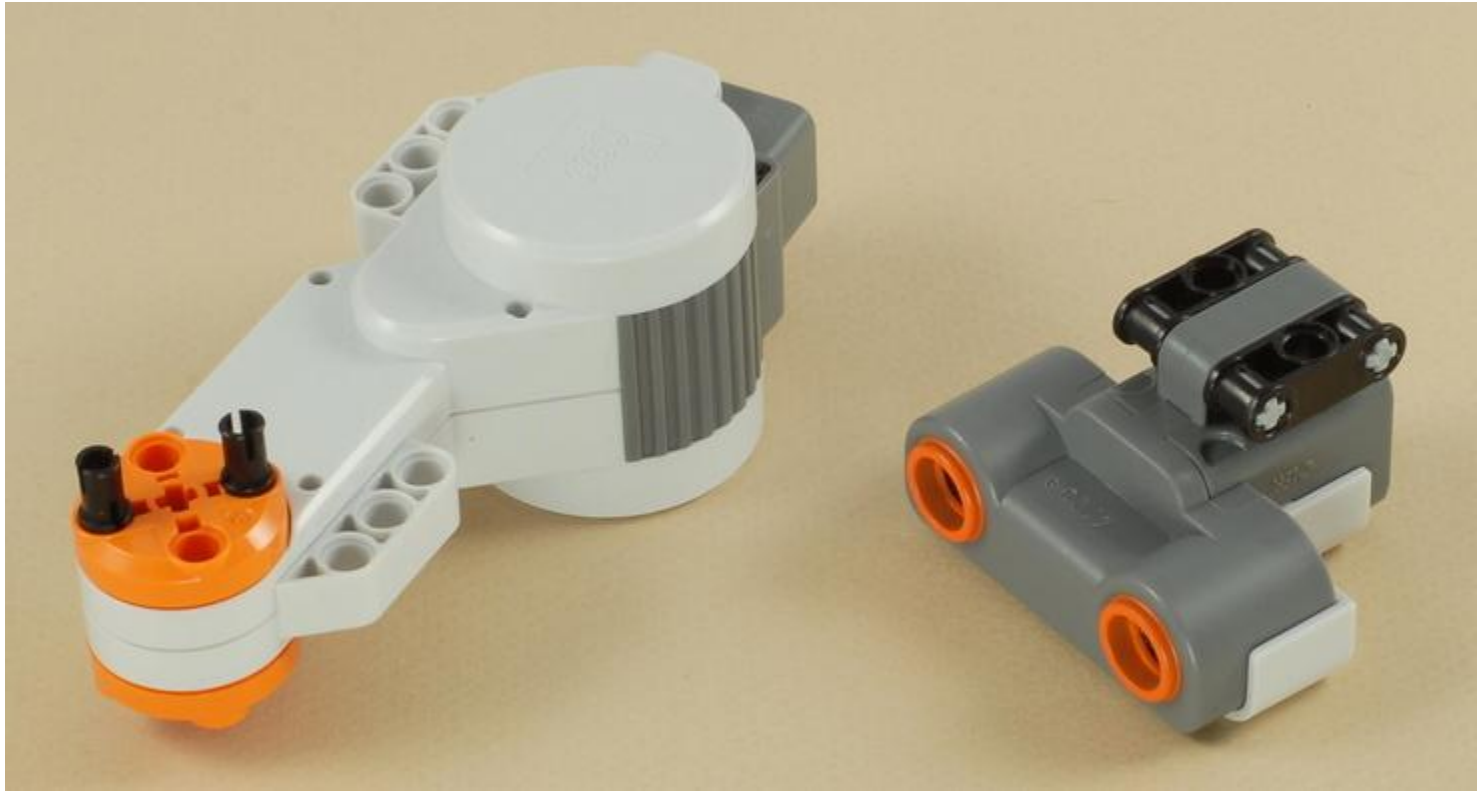




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**16**





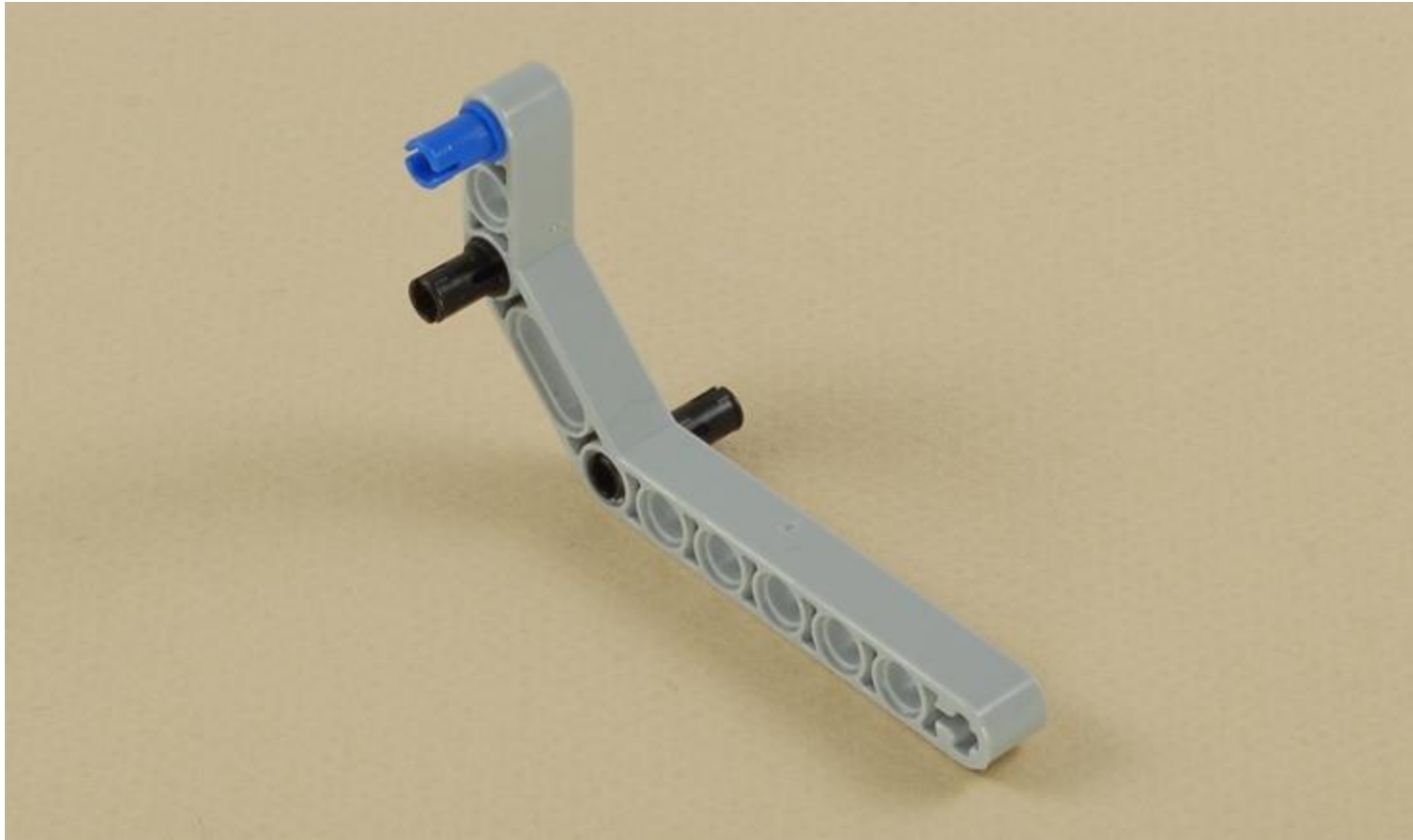


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17



35 cm (Medium) 2 x





Connect the neck motor wire to port **A** on the NXT, and the ultrasonic sensor wire to port **4** on the NXT.

**Important:** Make sure that the wires stay out of the way of the bumper and that there is enough slack so that the head can pivot all the way to the left and right.

