

Building instructions Robot Inventor

ROBOTMAKERS
Recognized LEGO® Online Community of Robot Experts
MAKE • SHARE • INSPIRE

Self-uprighting balancing LEGO Robots

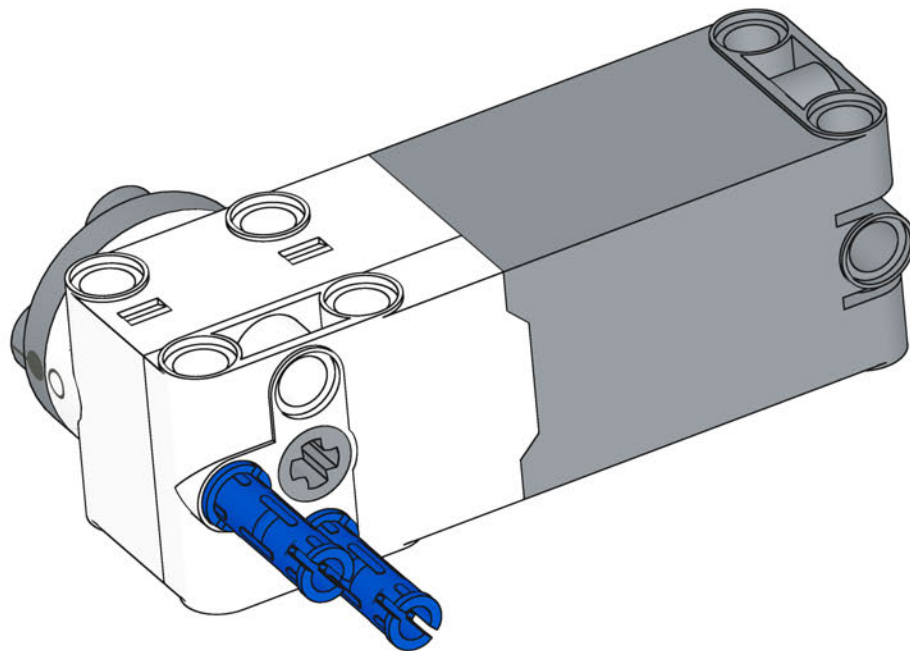
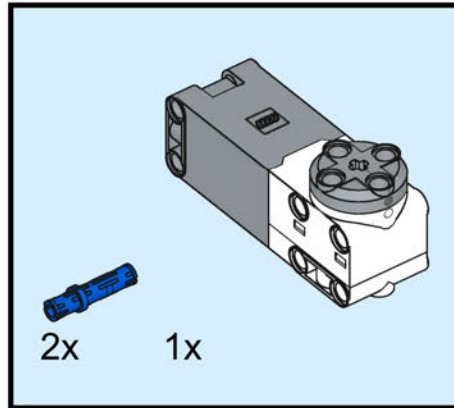
LEGO **MINDSTORMS**
51515 ROBOT INVENTOR



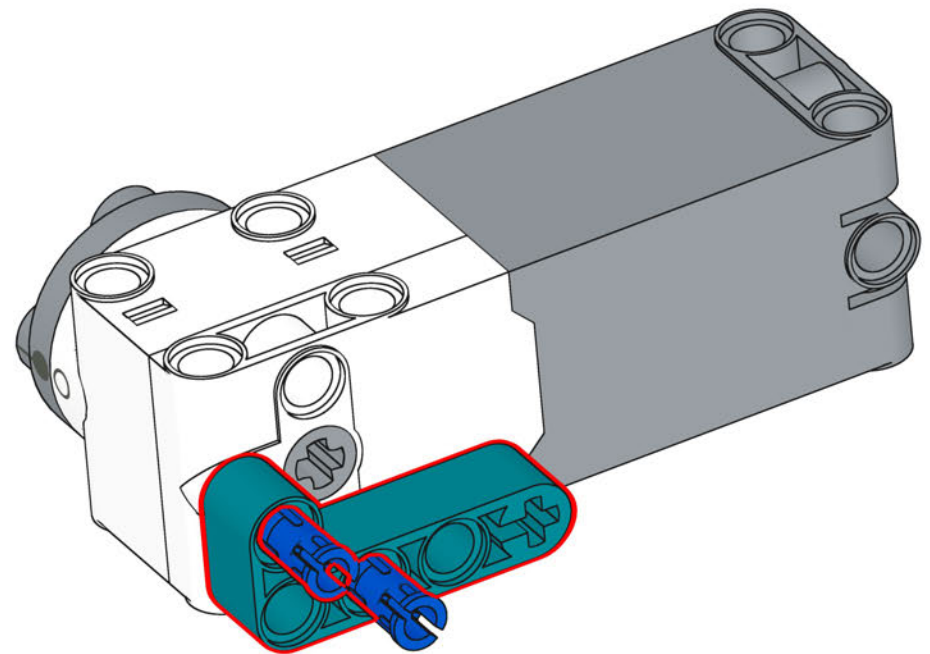
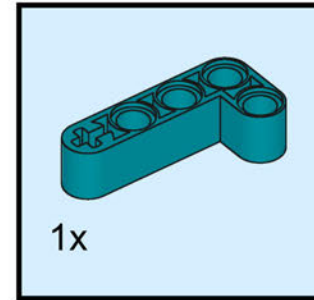
By Dimi

**LEGO® Education Academy
Certified Trainer**

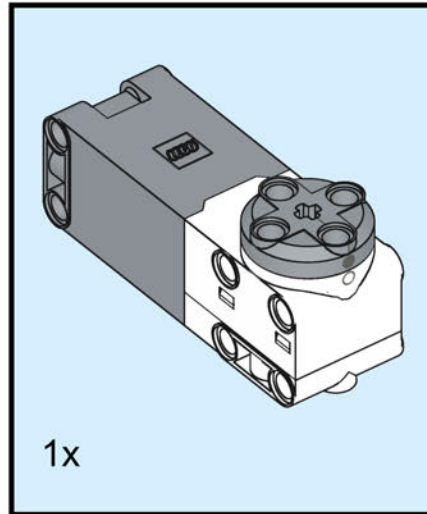
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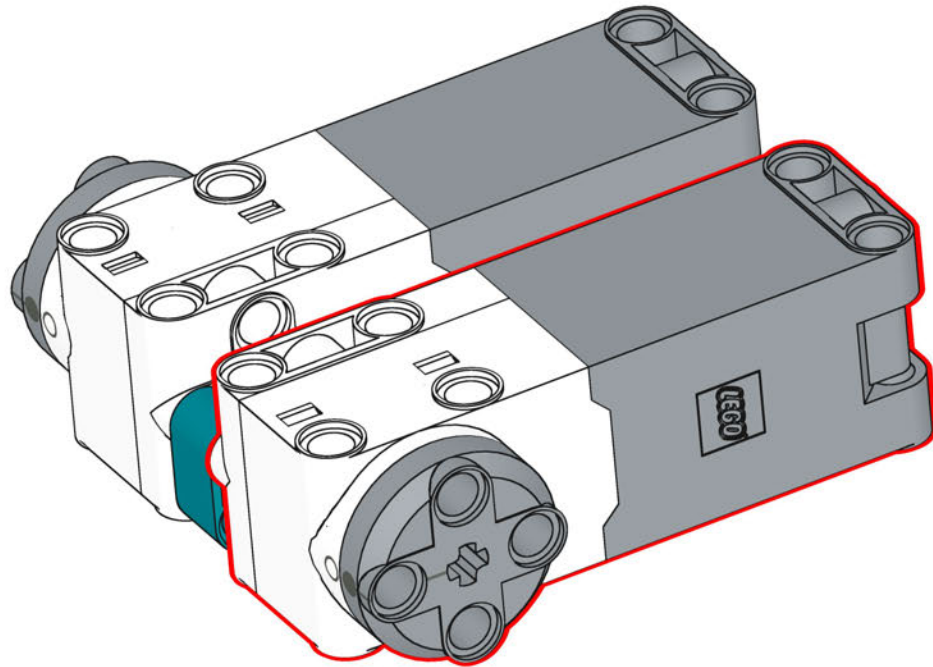
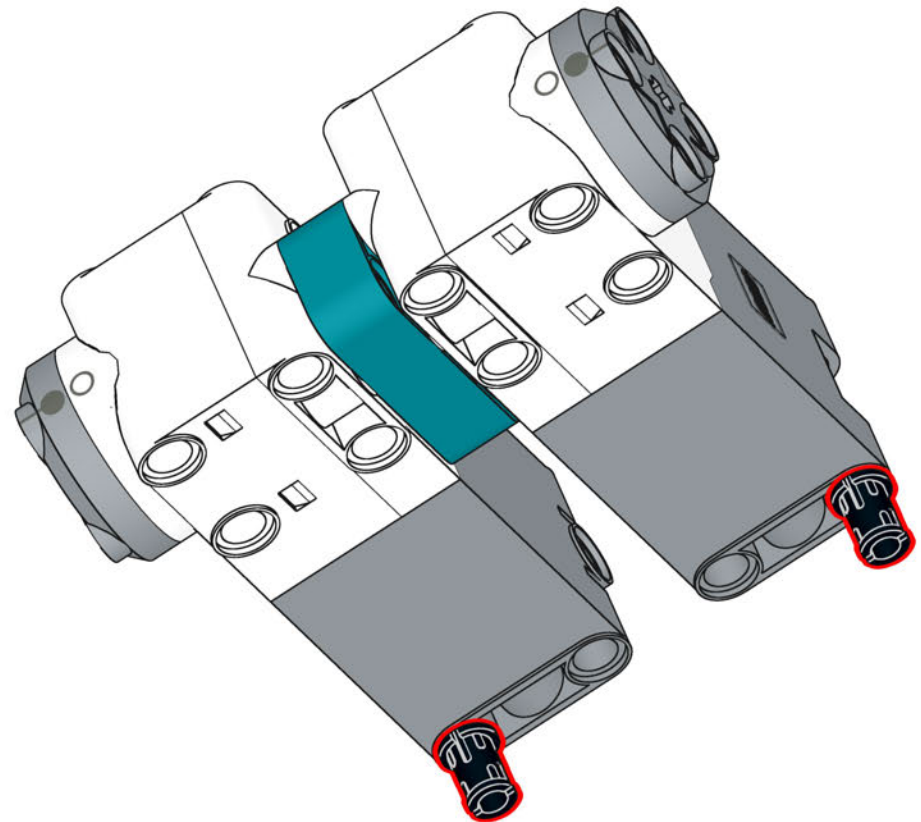
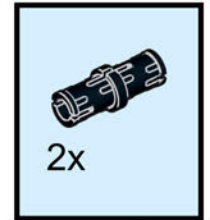
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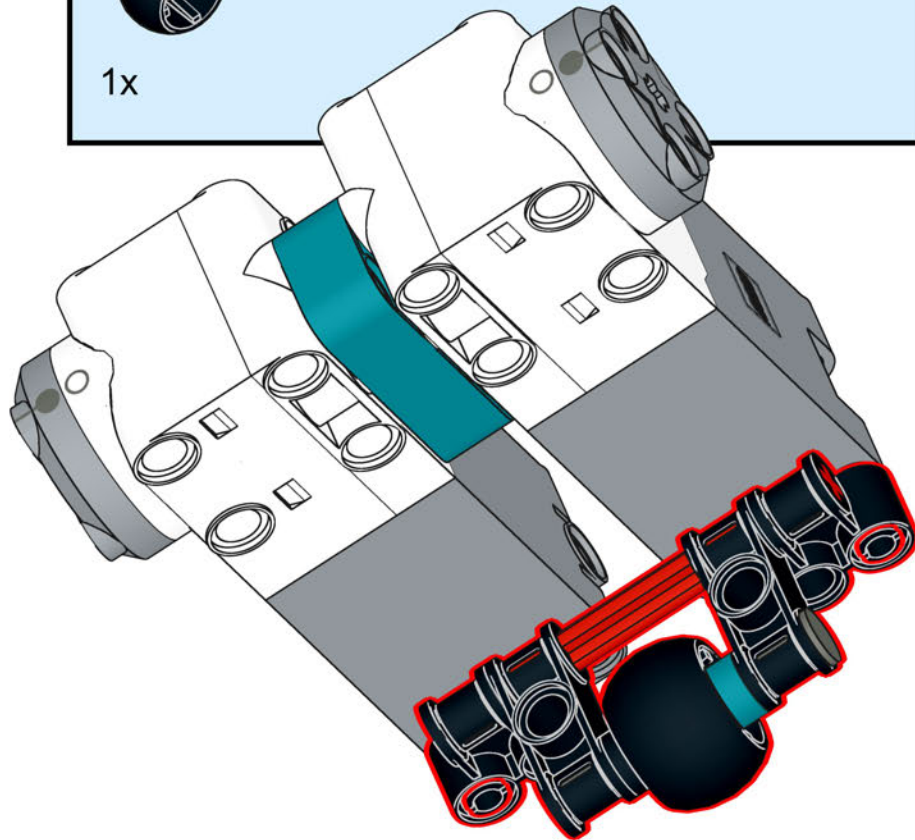
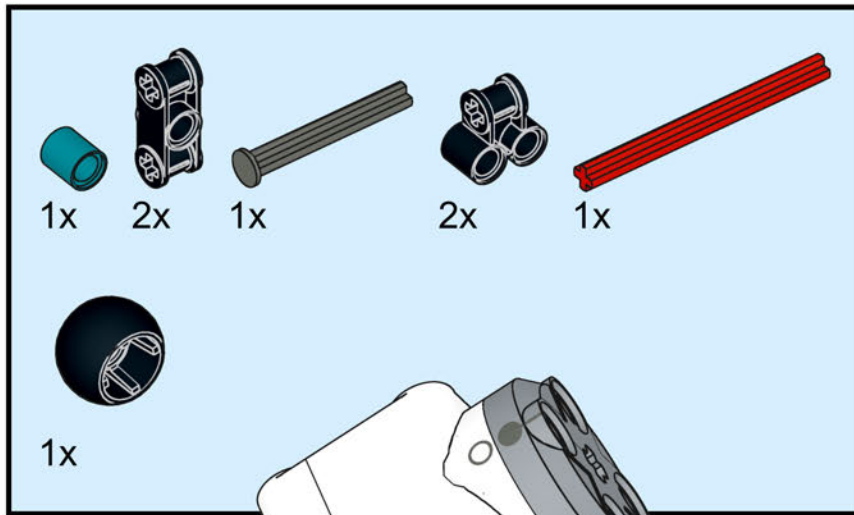
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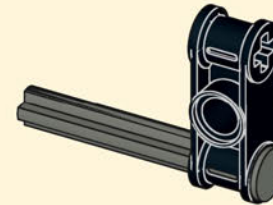
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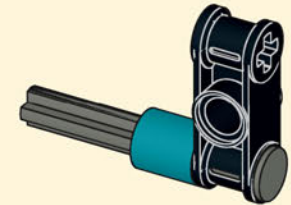
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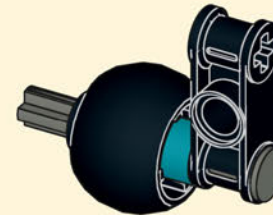
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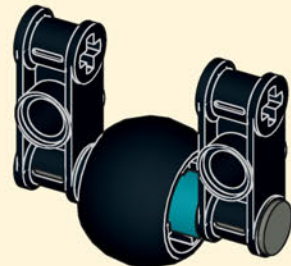
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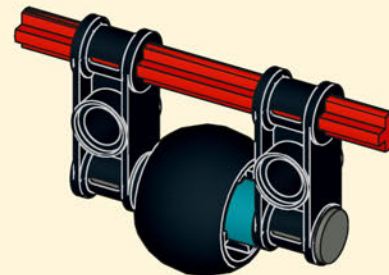
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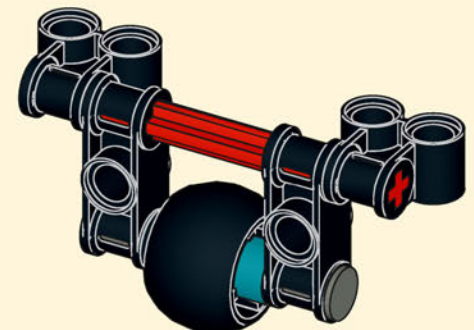
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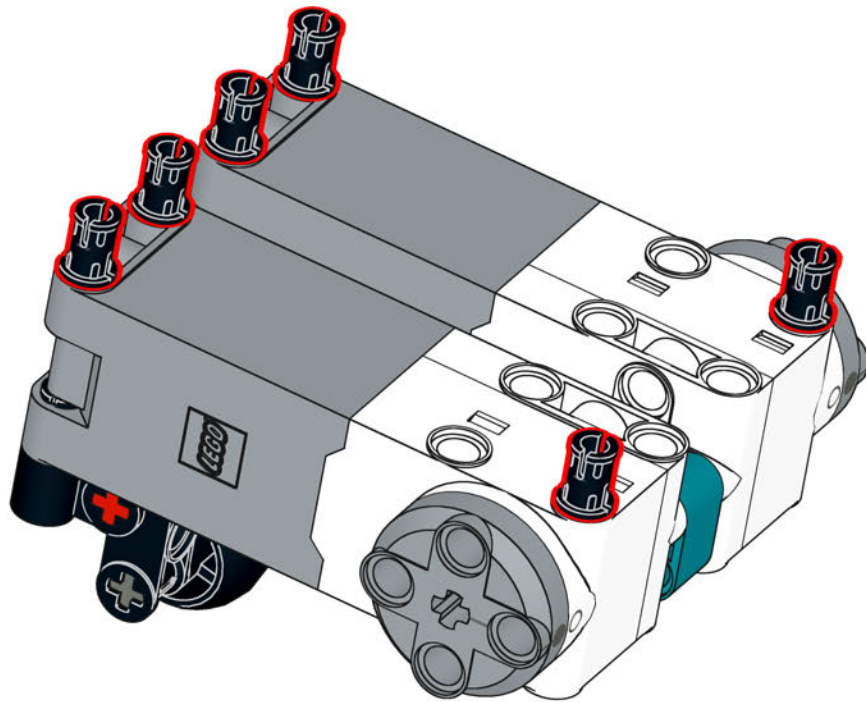
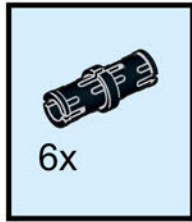
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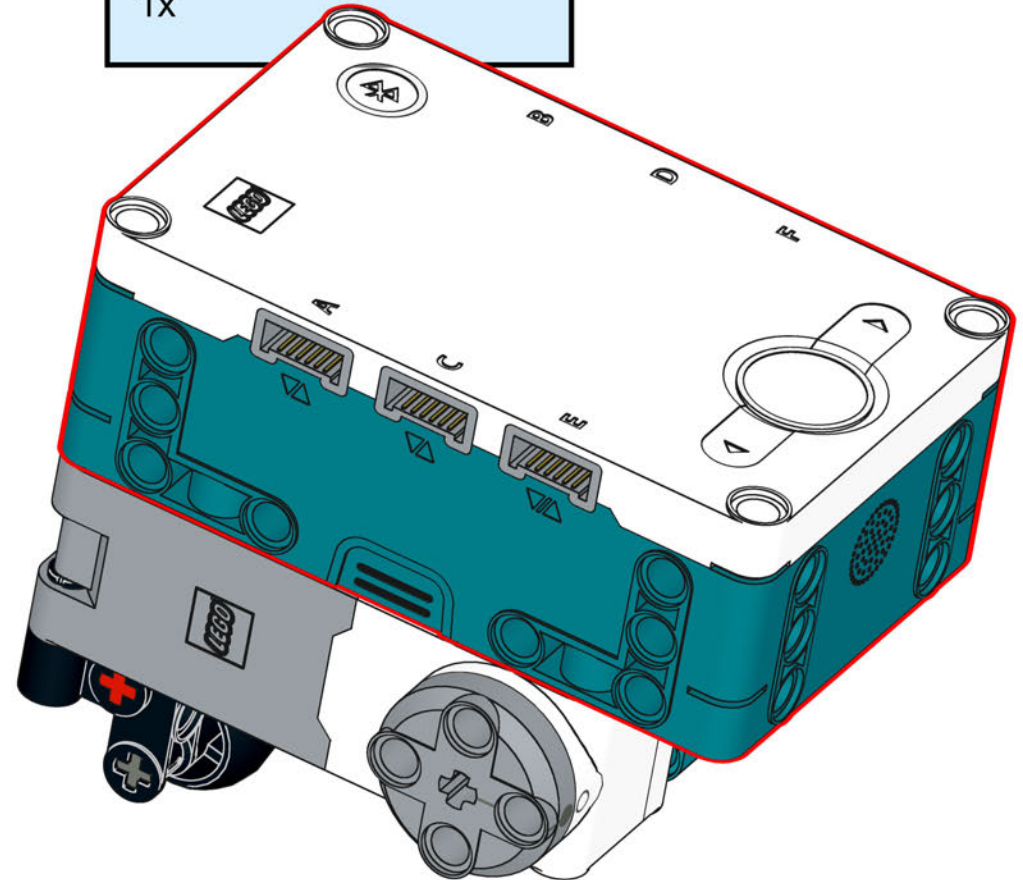
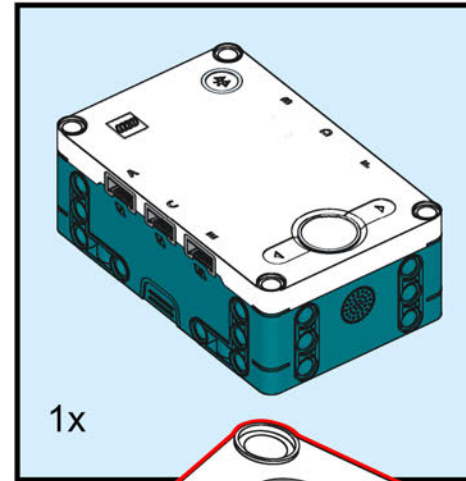
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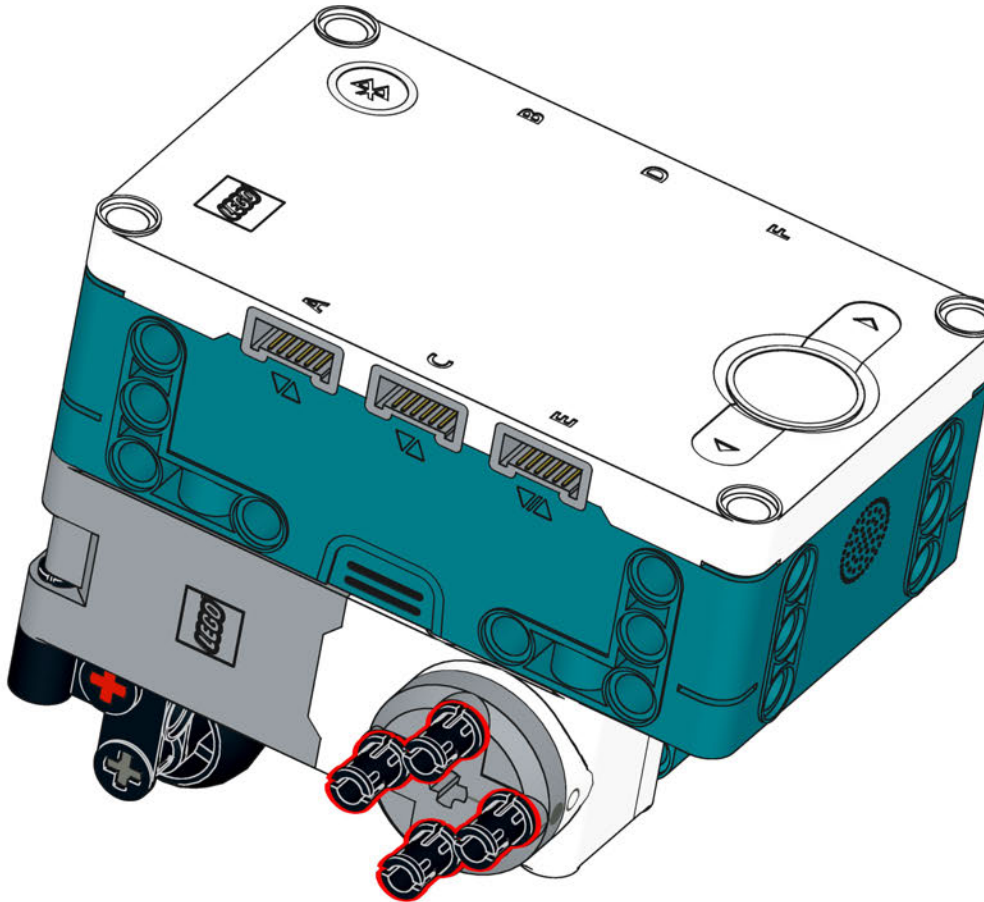
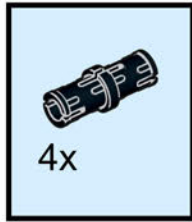
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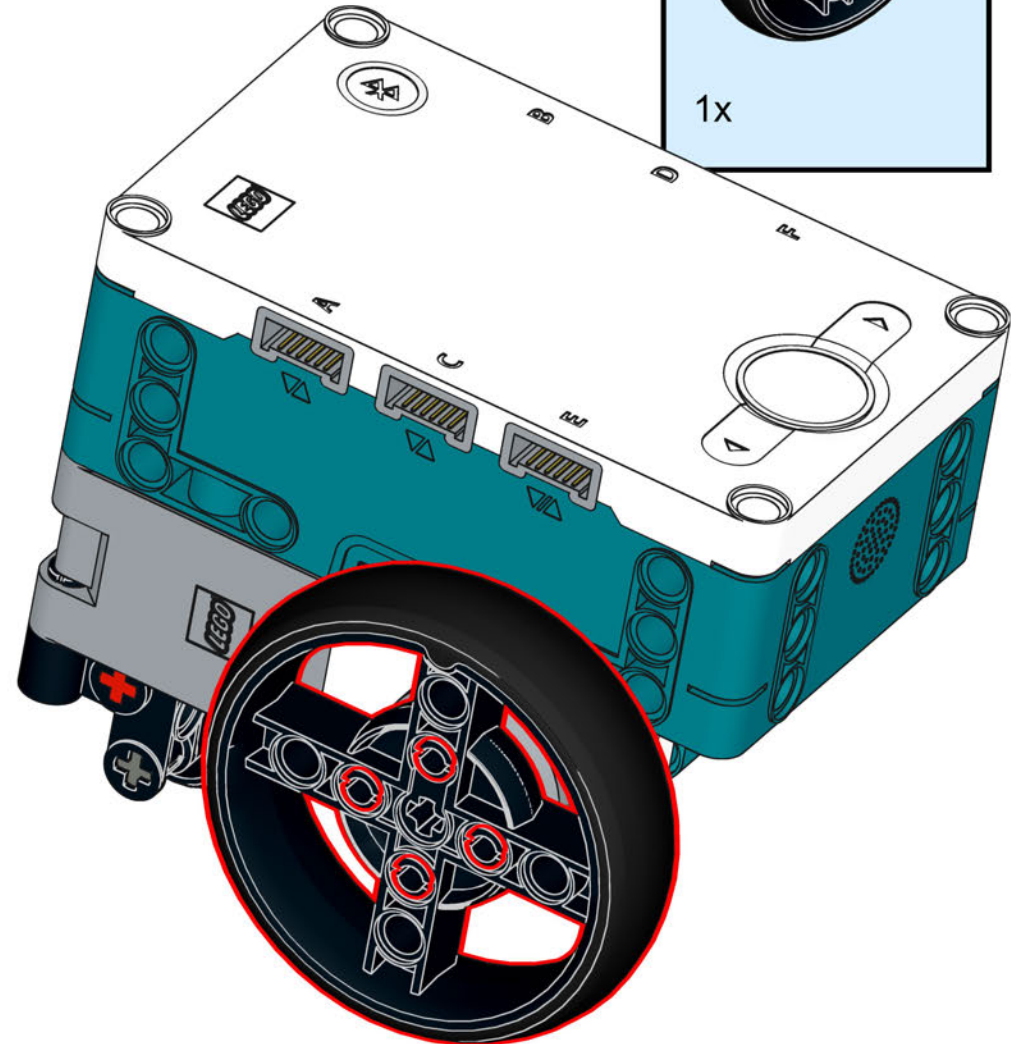
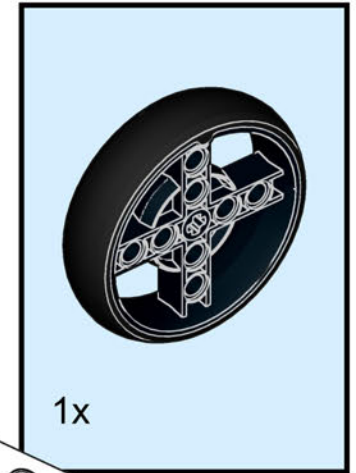
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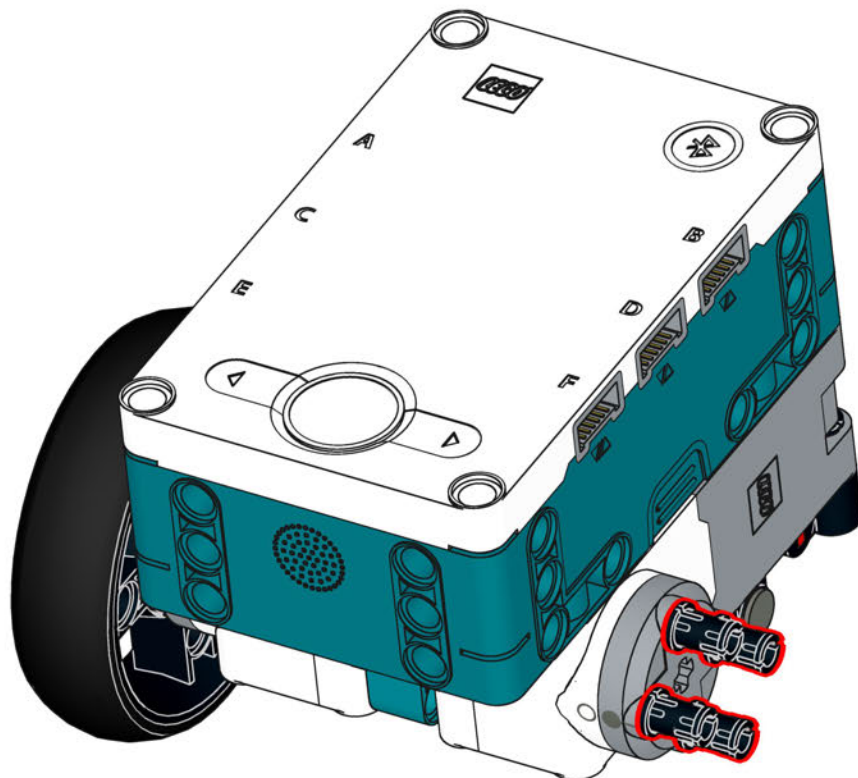
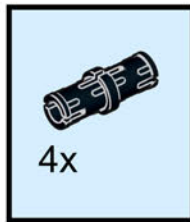
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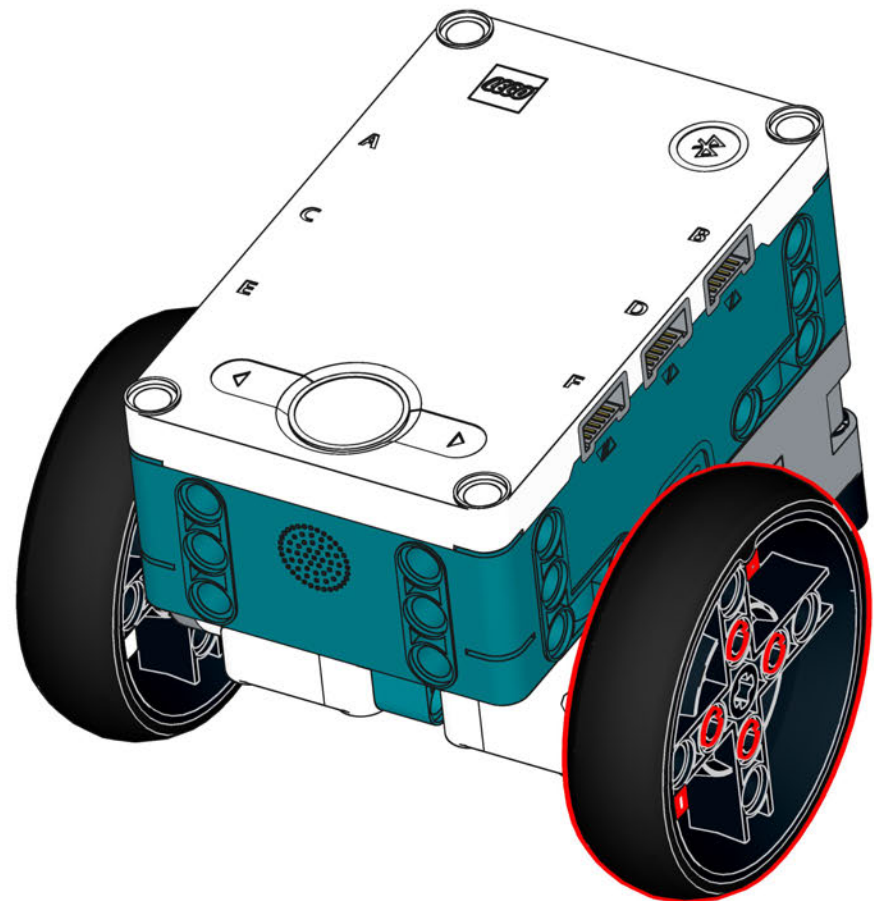
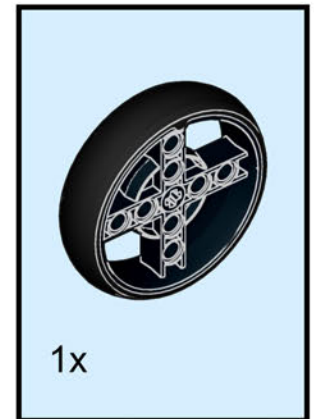
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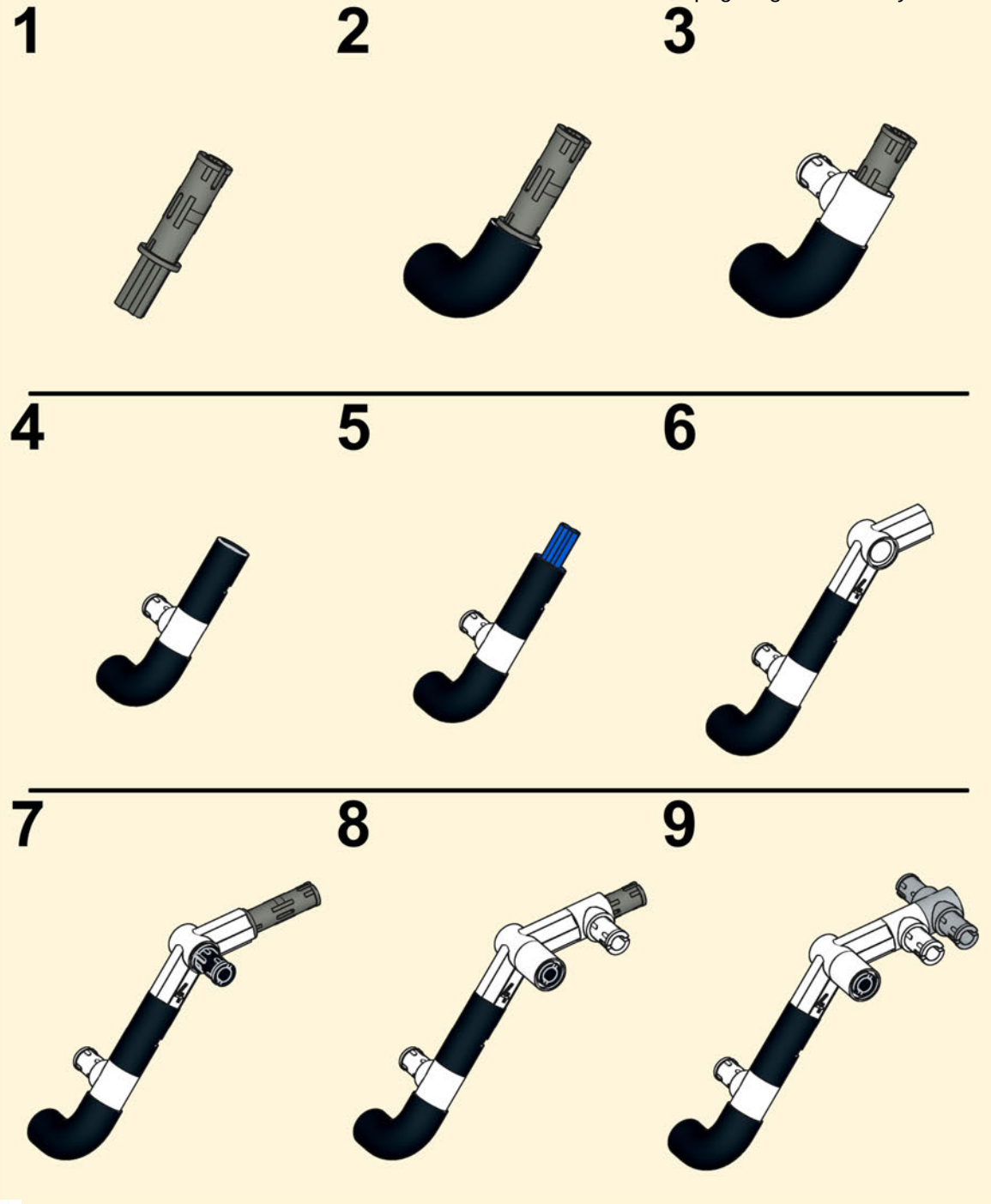
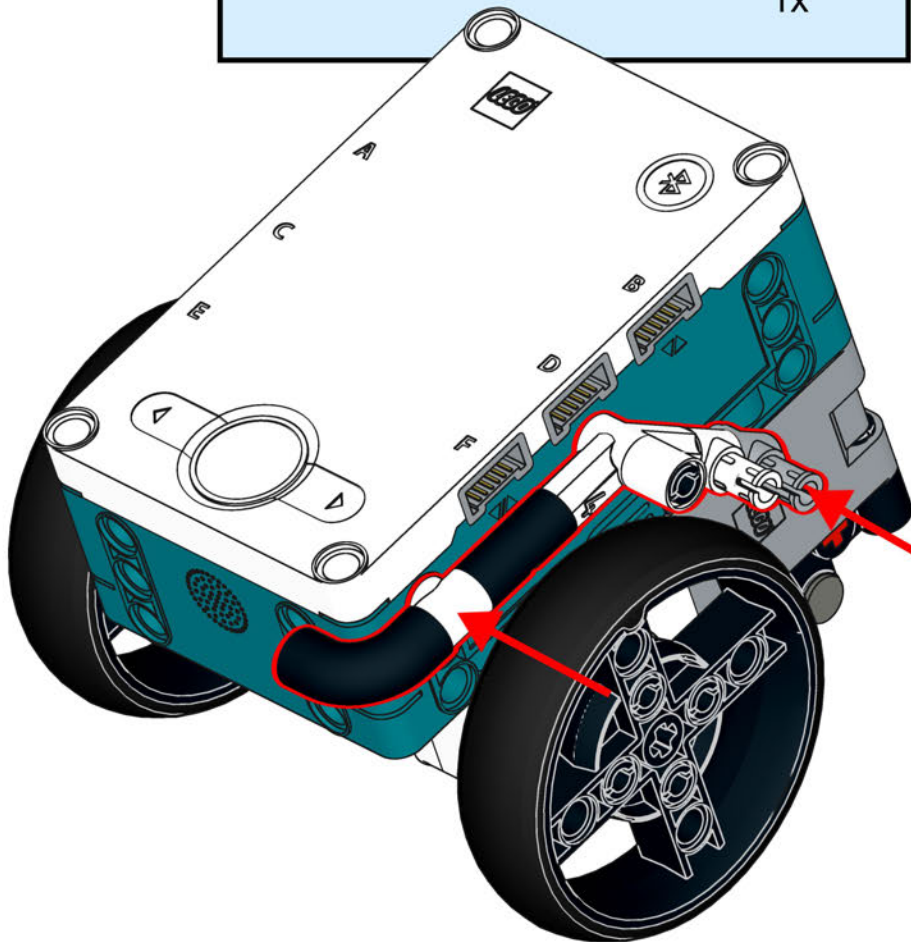
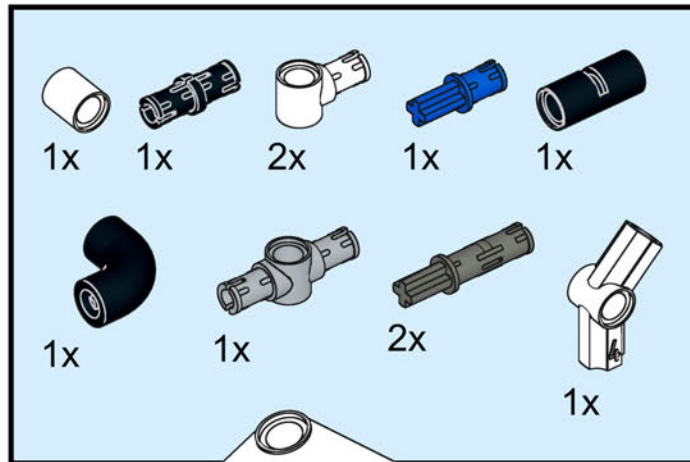
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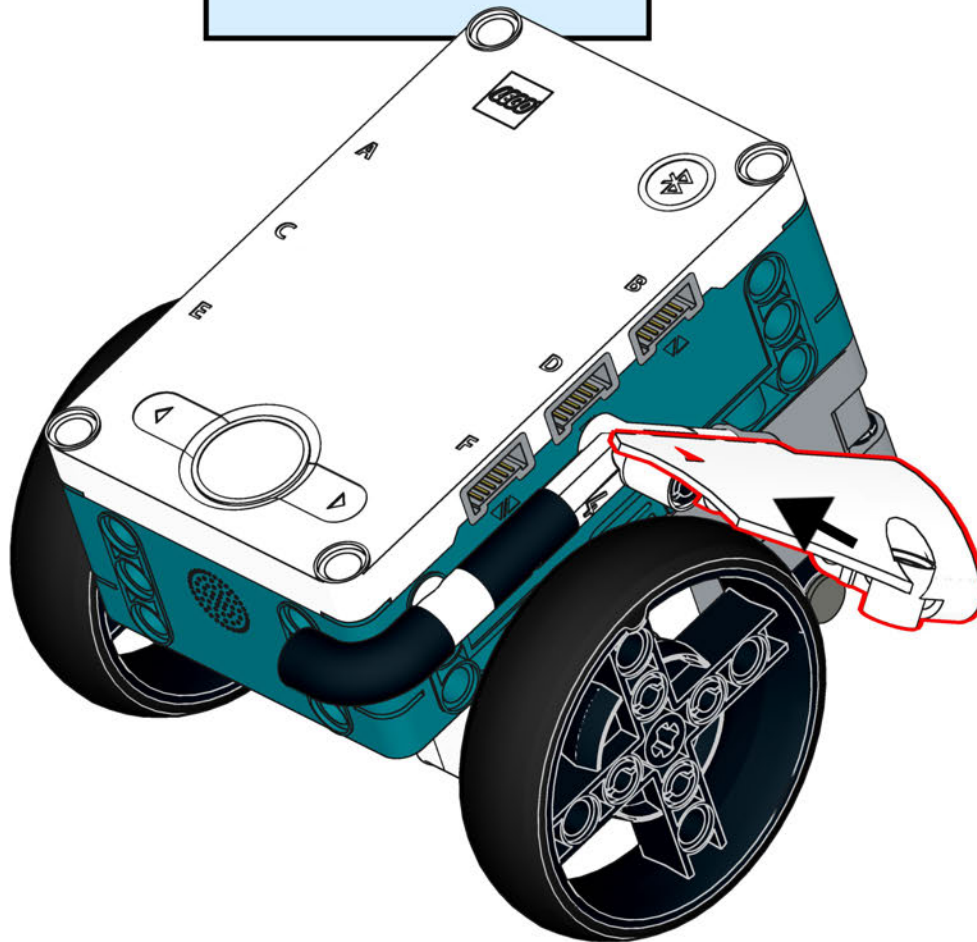
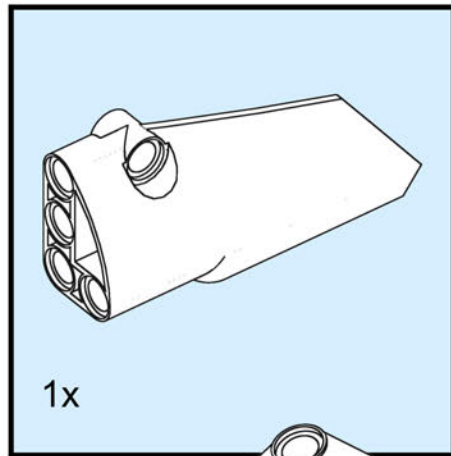
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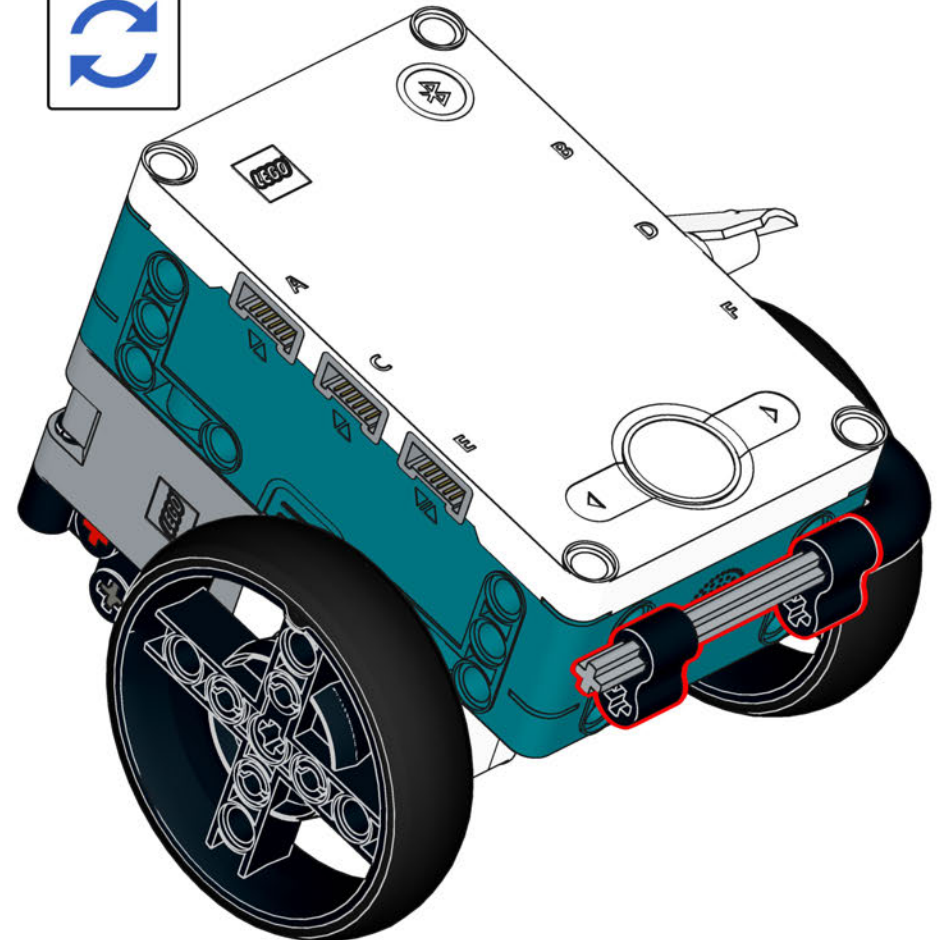
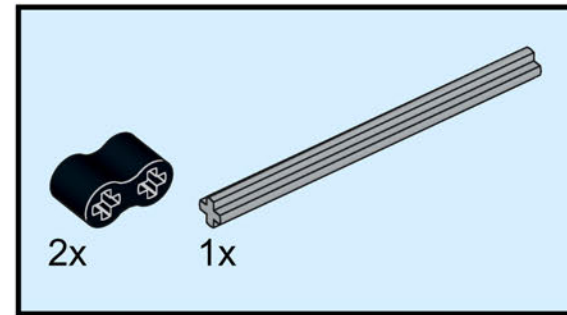
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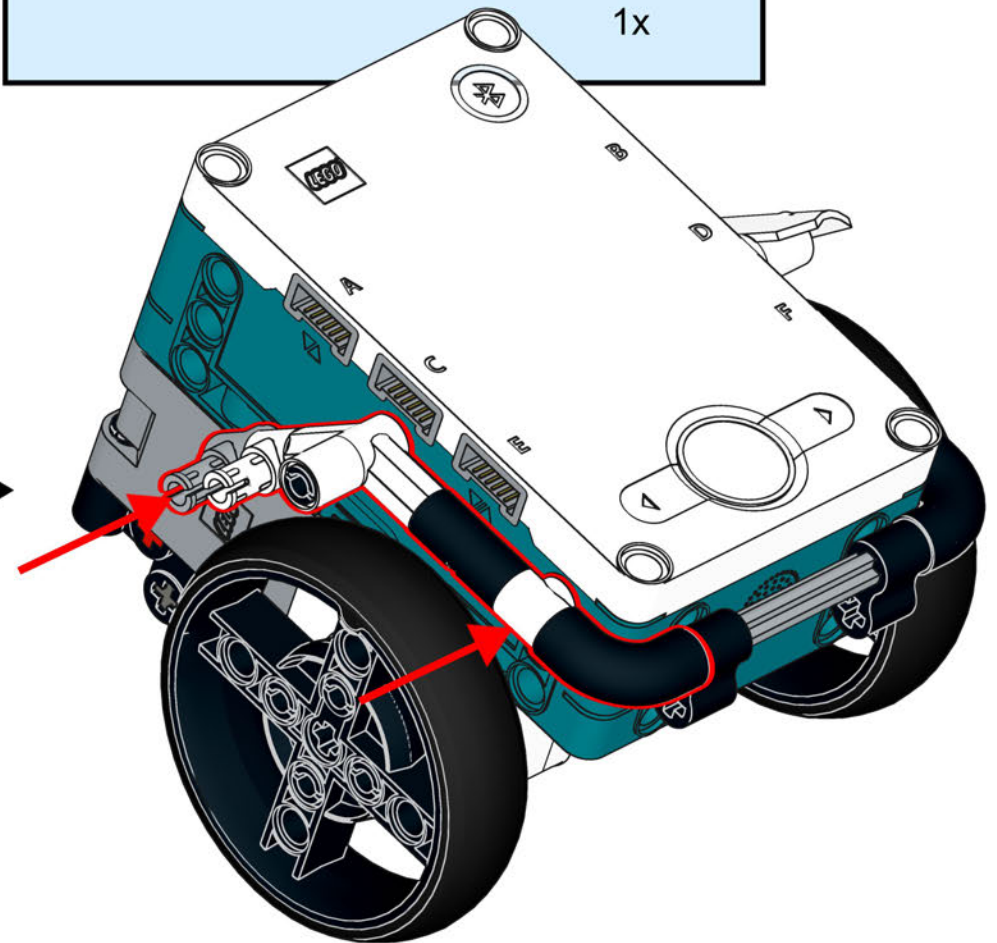
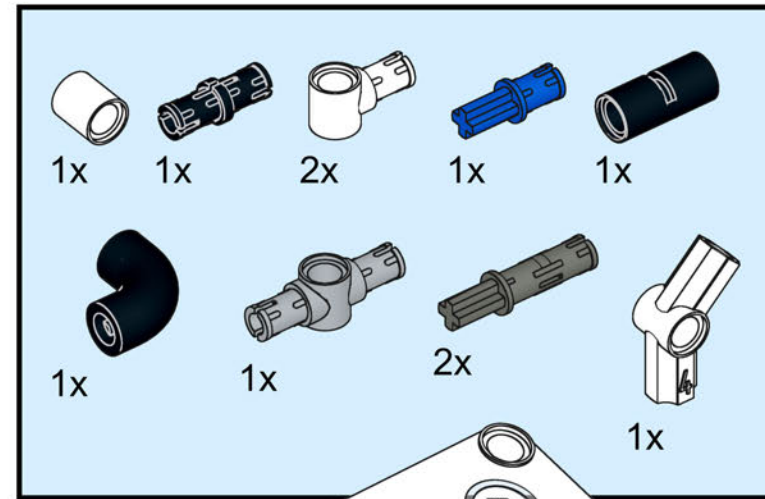
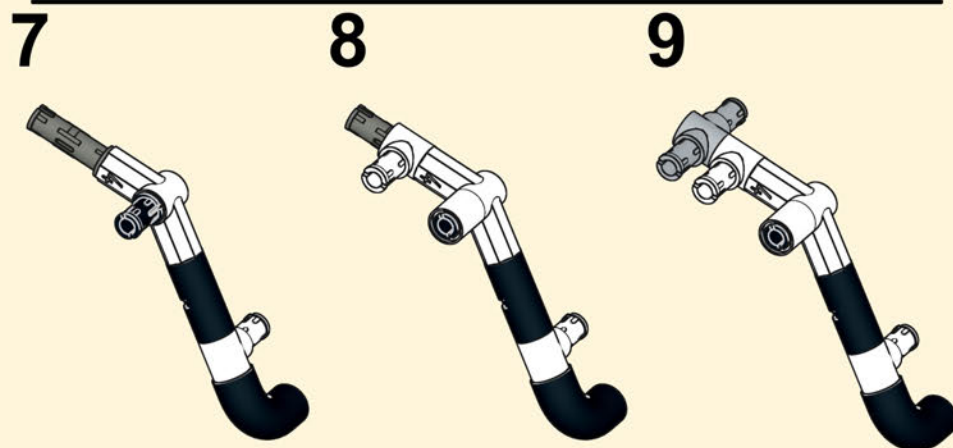
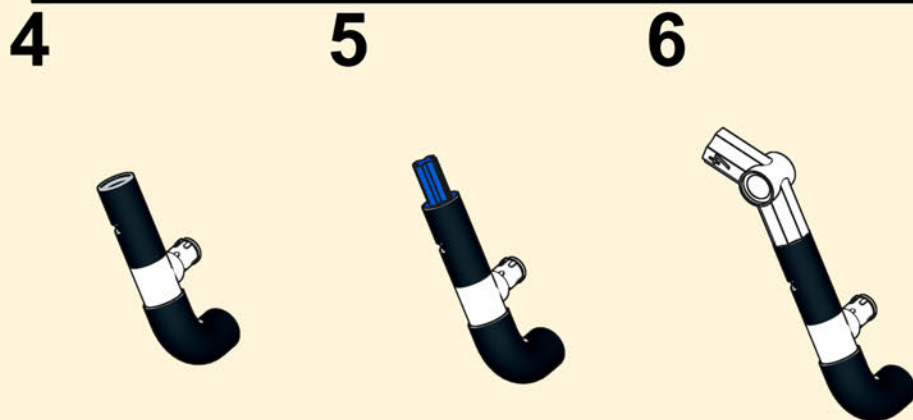
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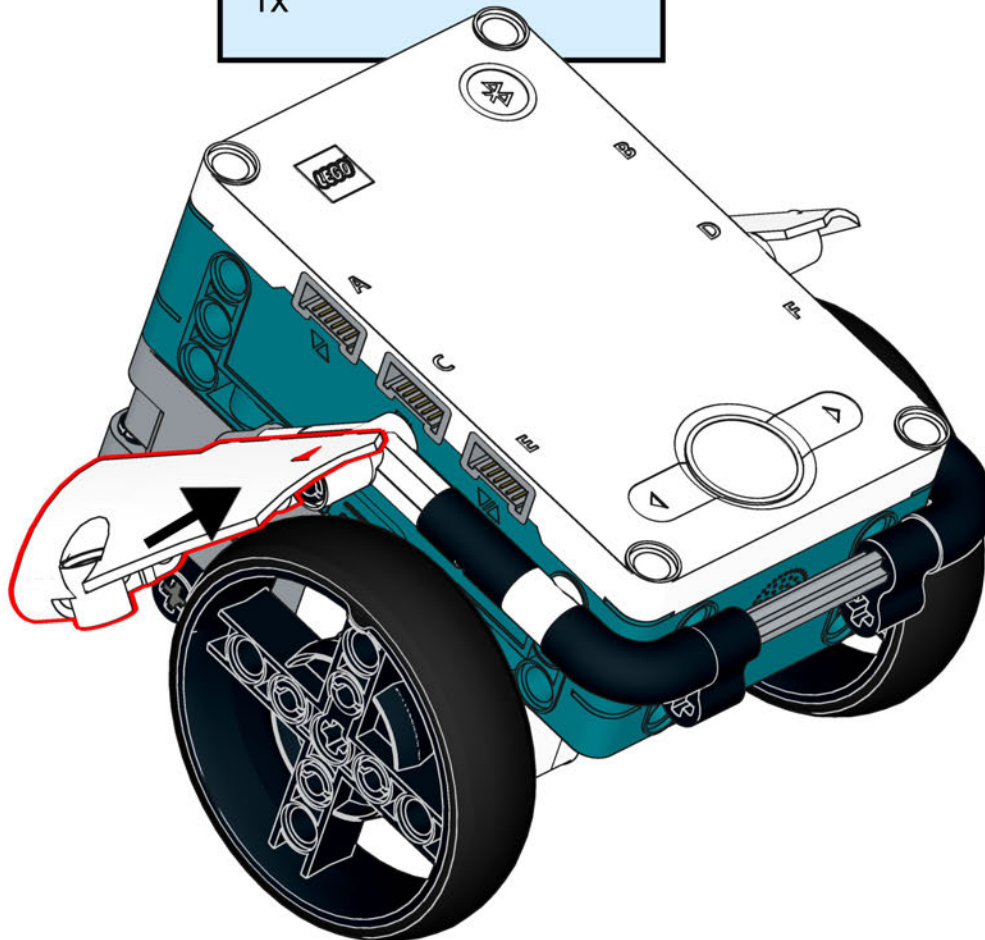
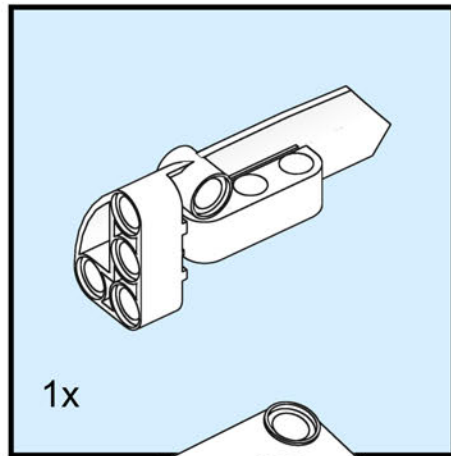
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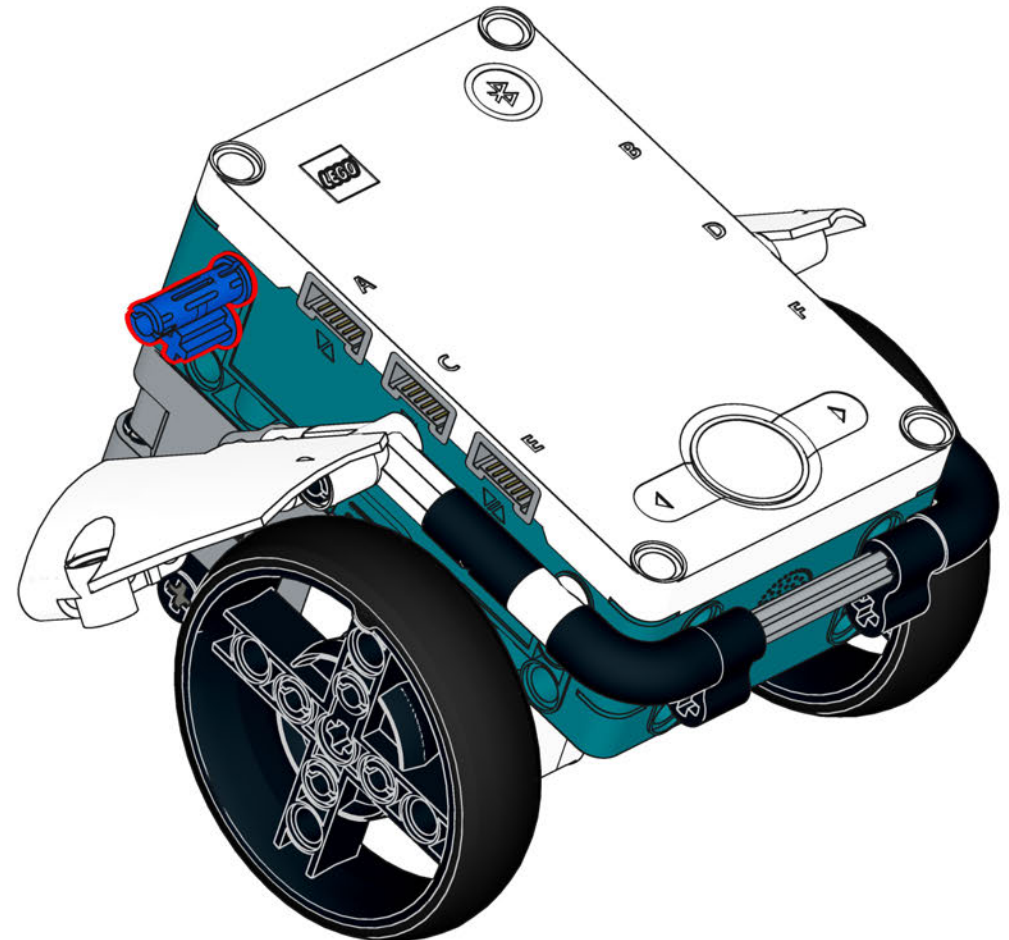
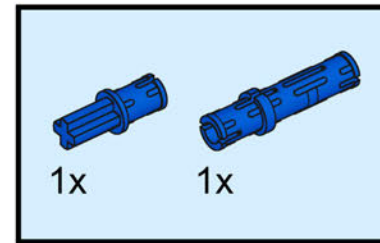
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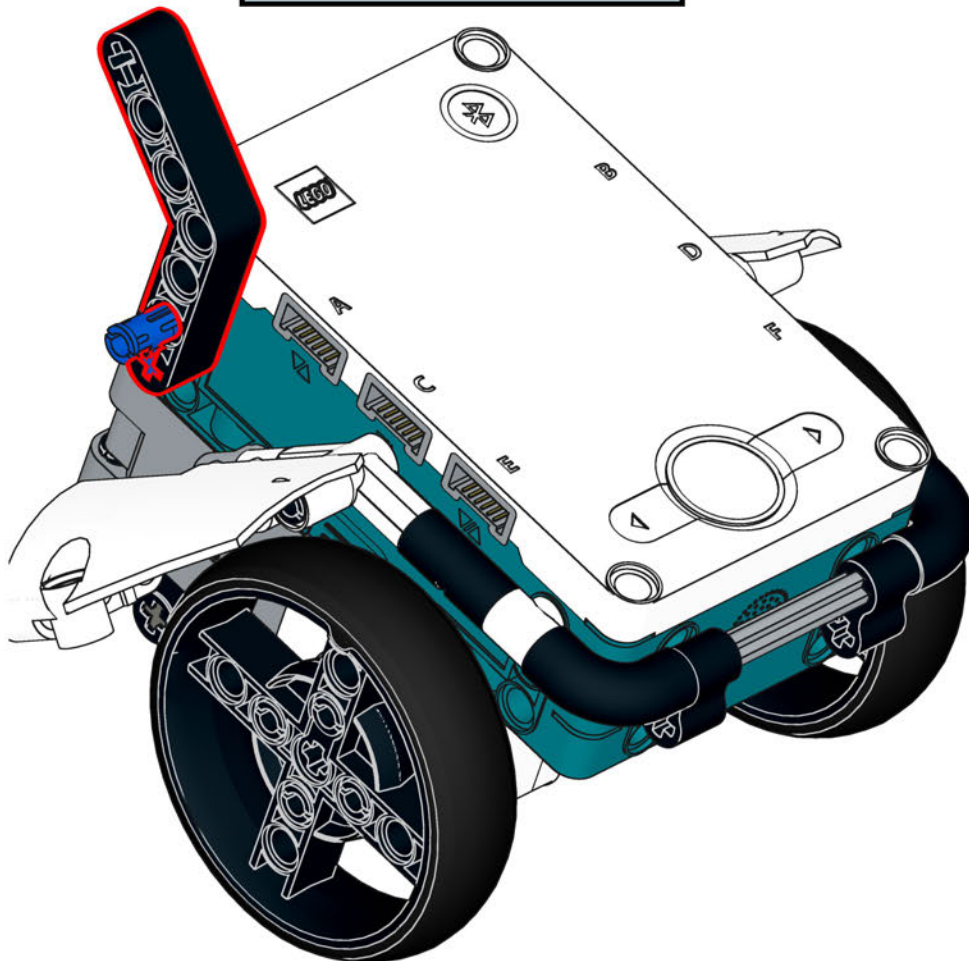
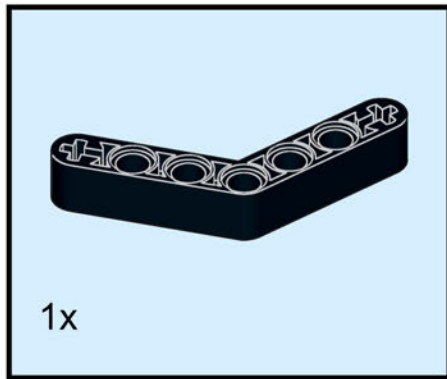
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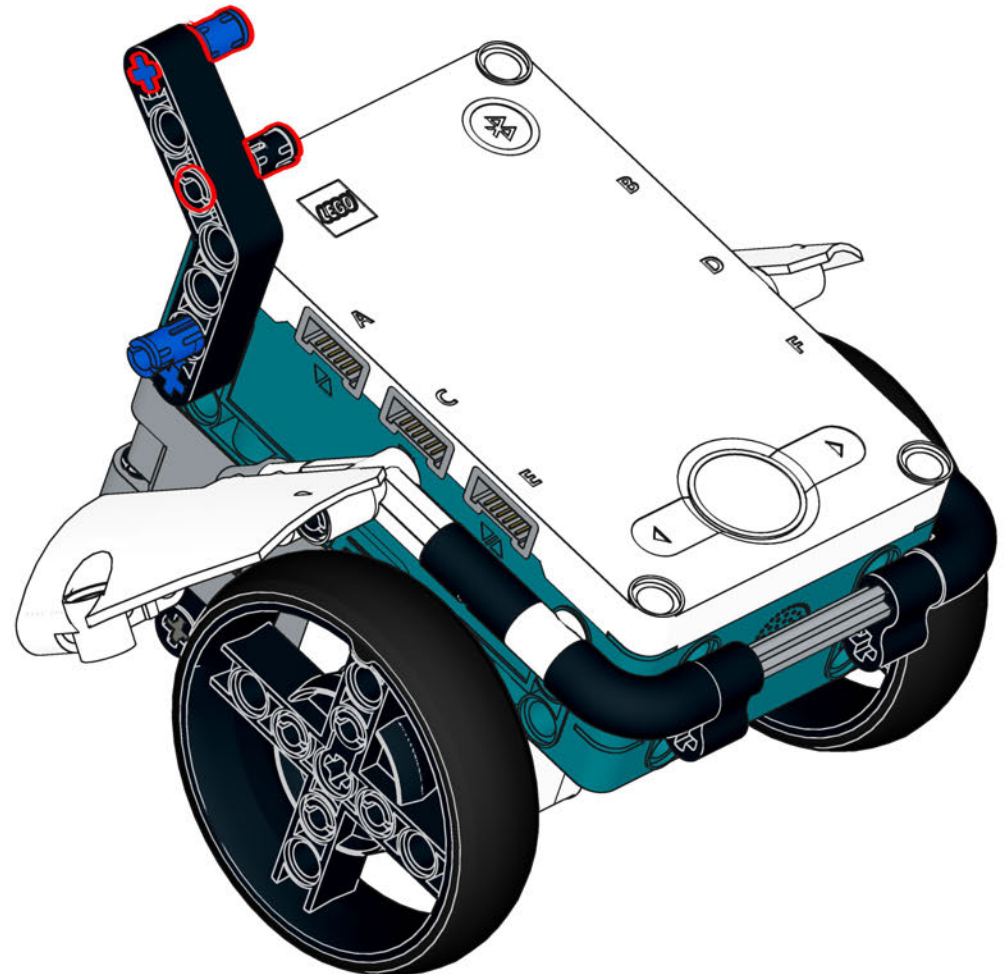
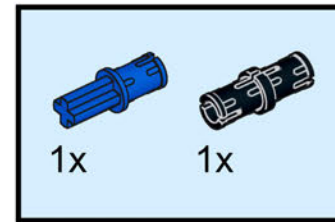
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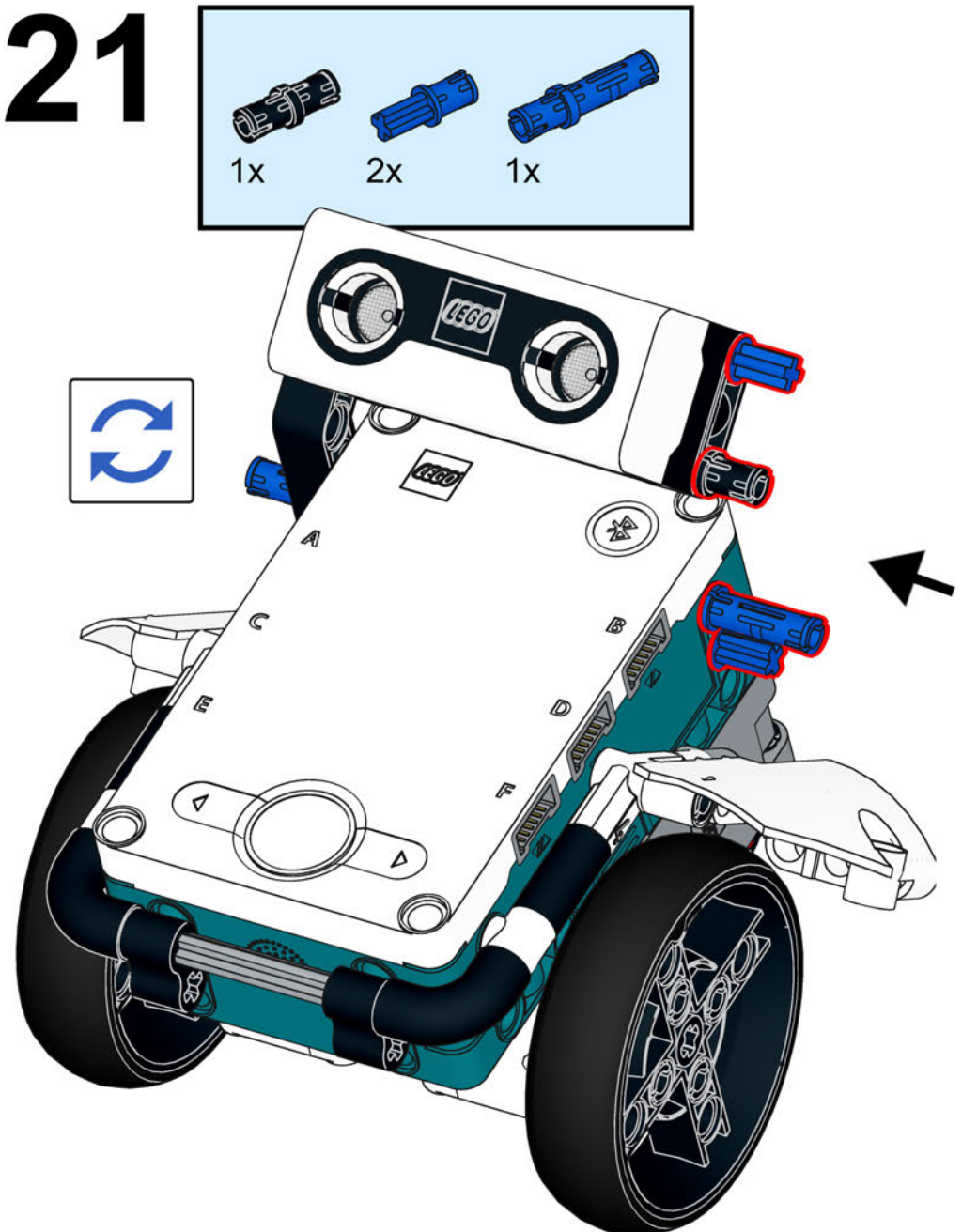
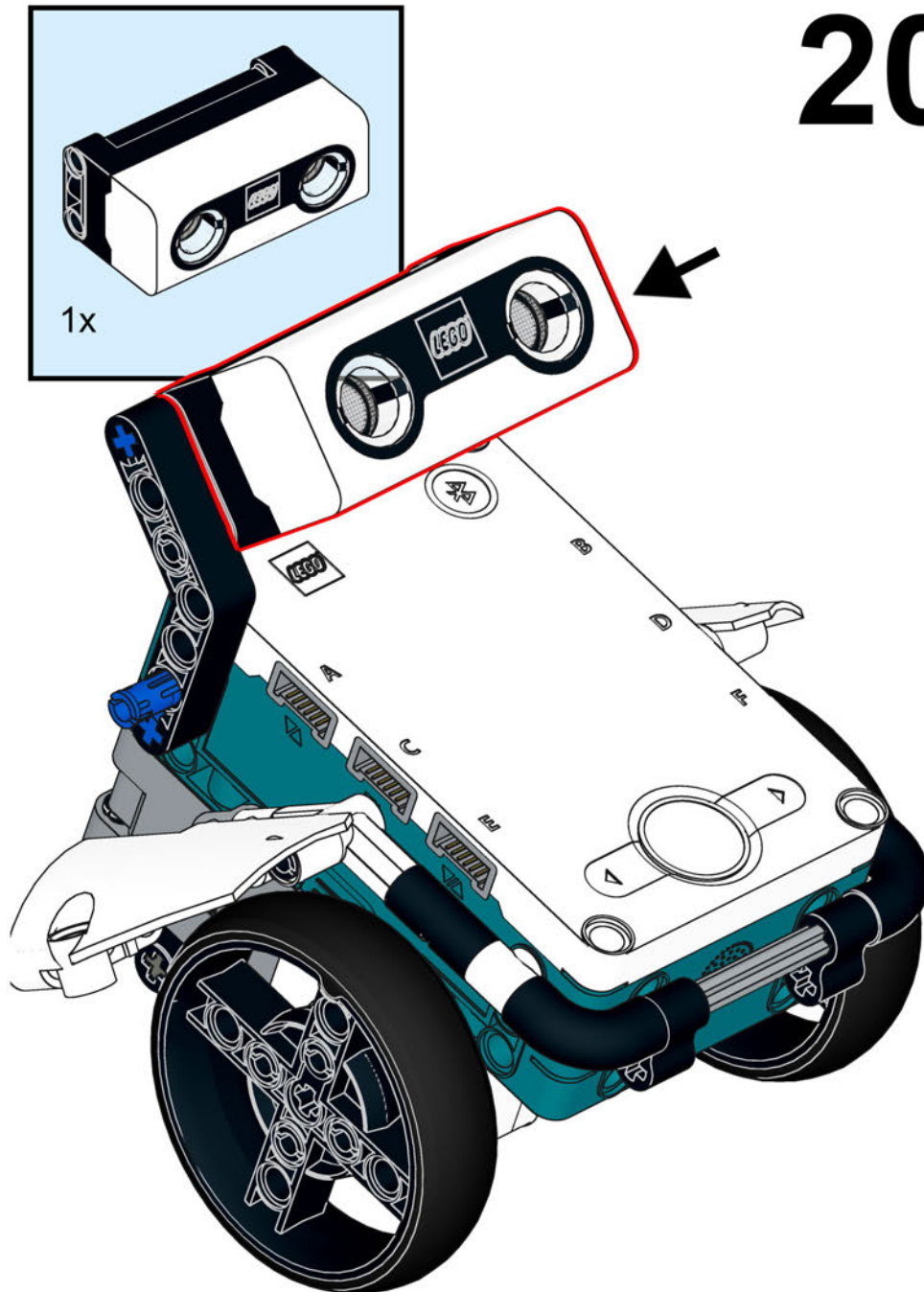
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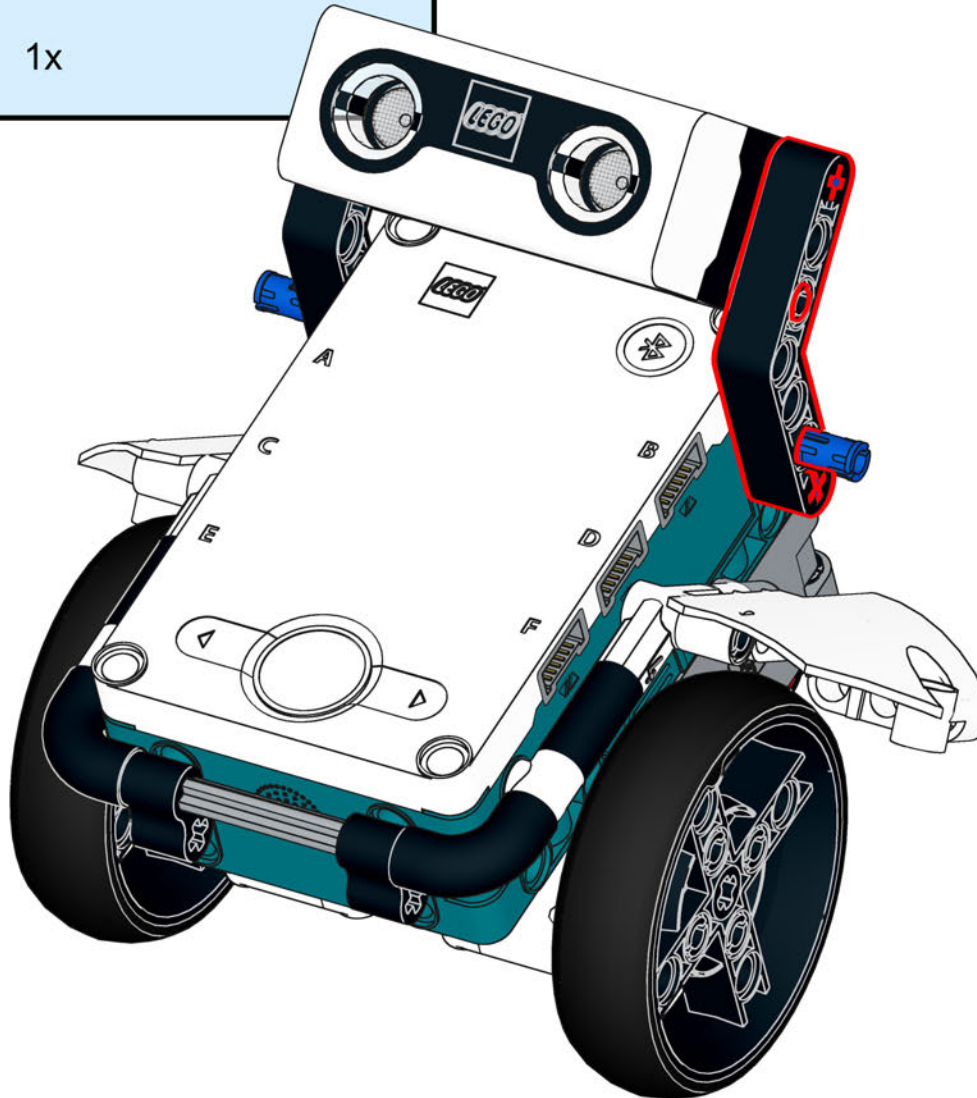
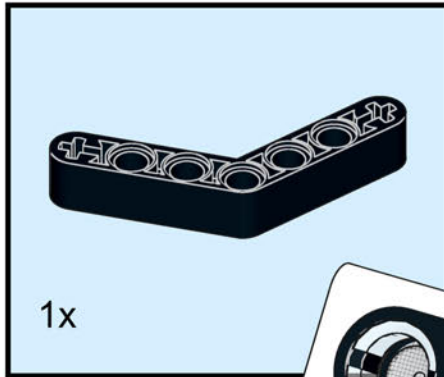
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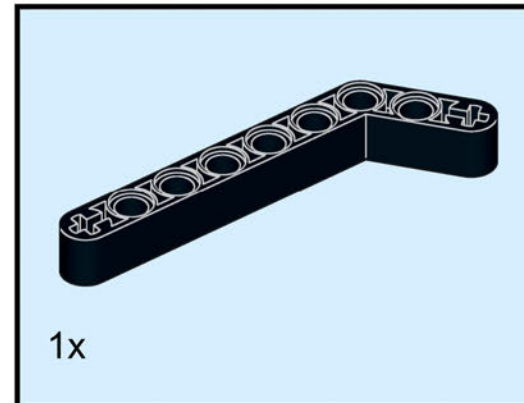
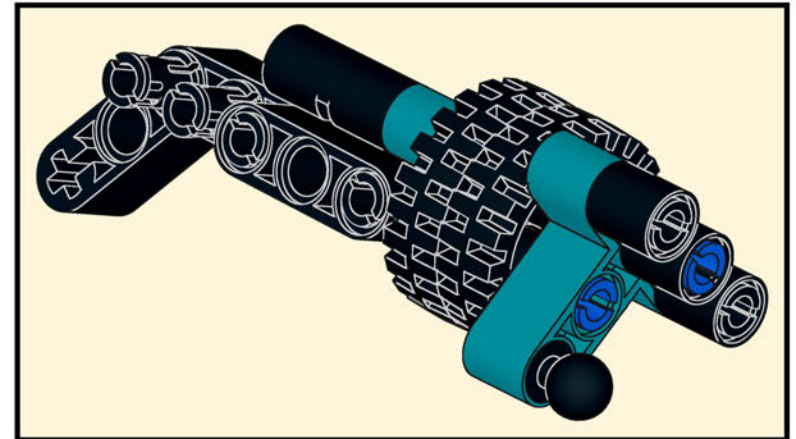
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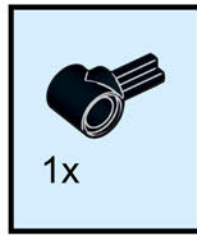
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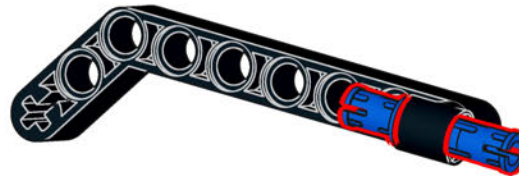
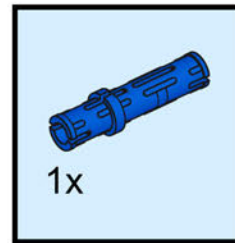
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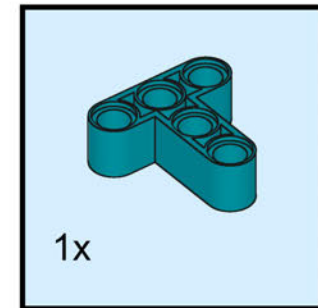
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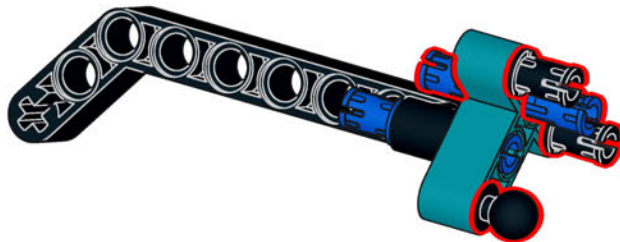
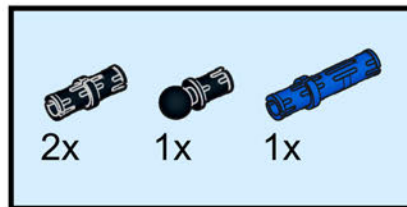
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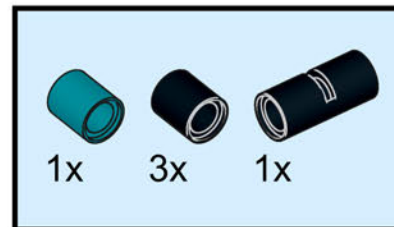
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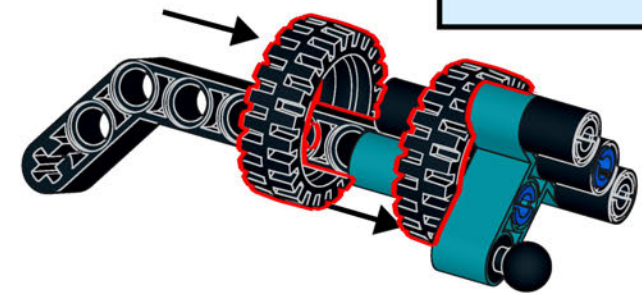
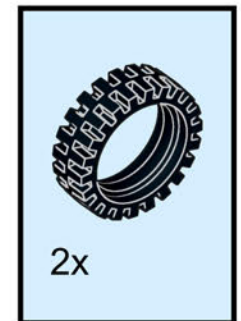
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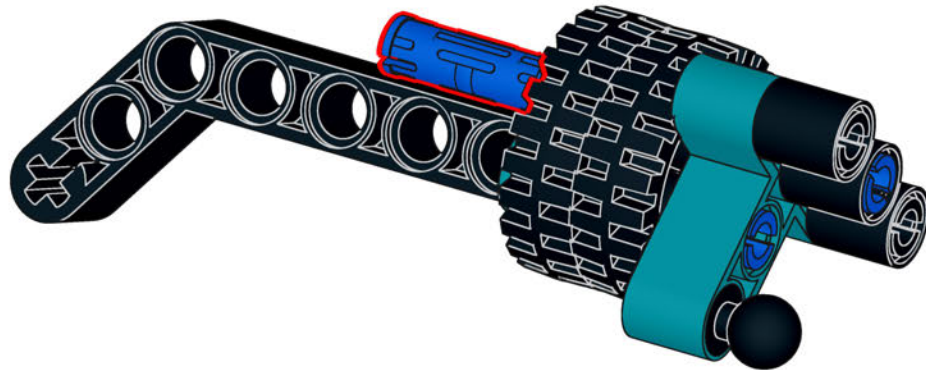
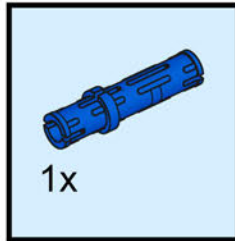
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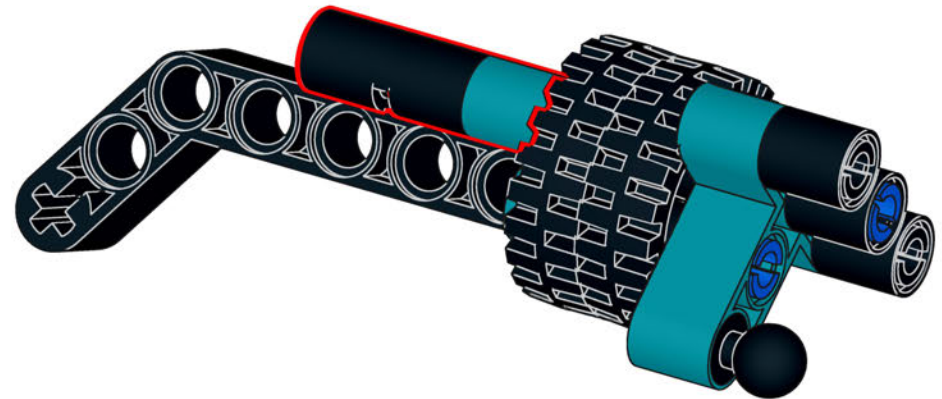
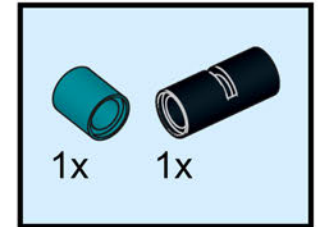
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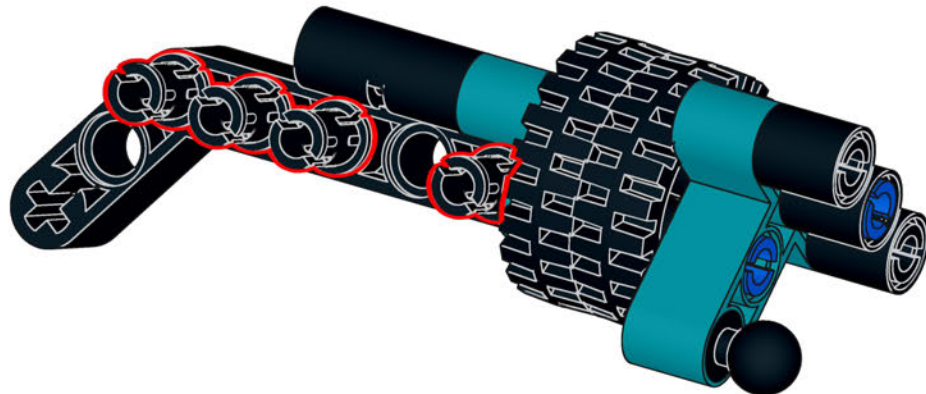
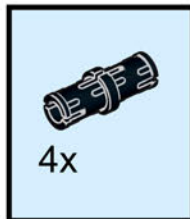
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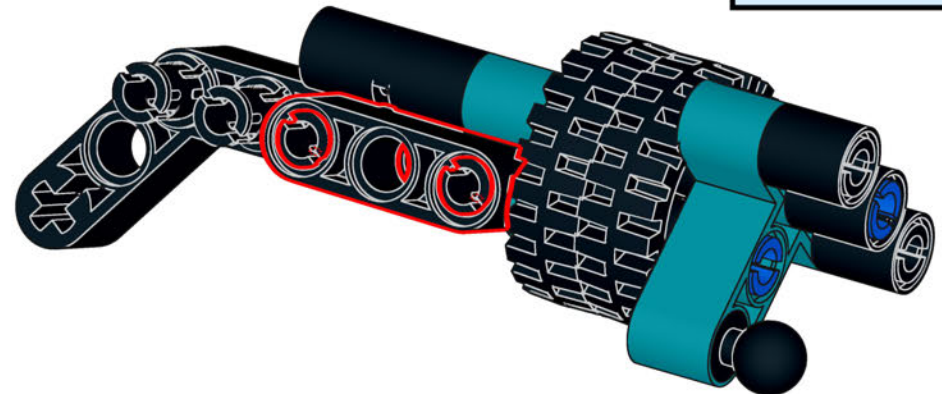
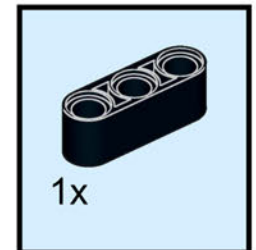
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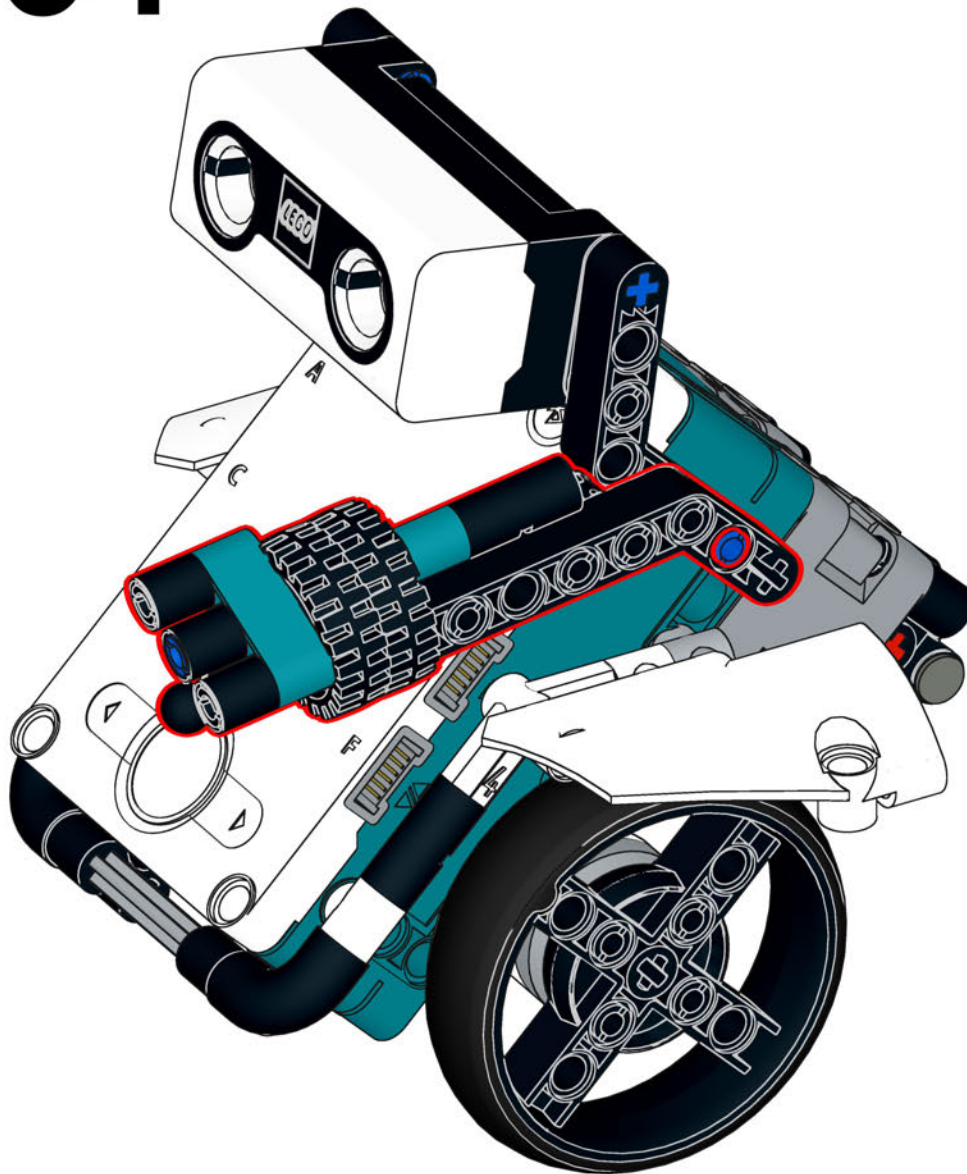
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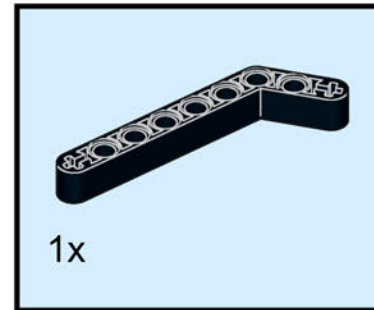
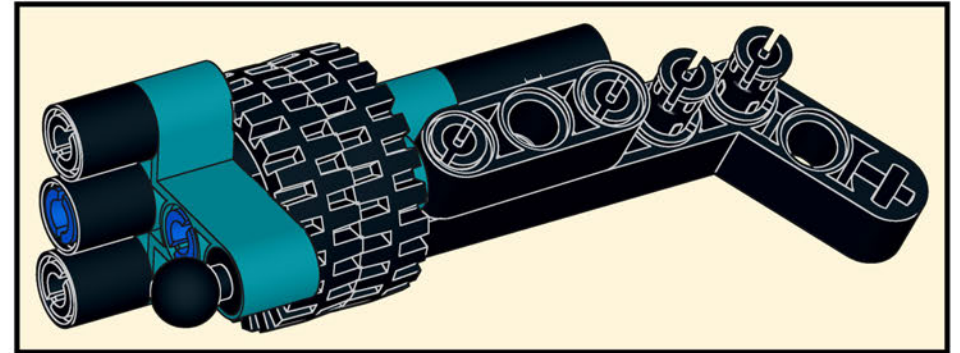
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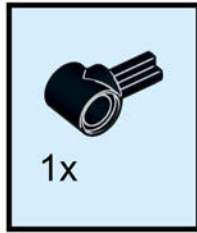
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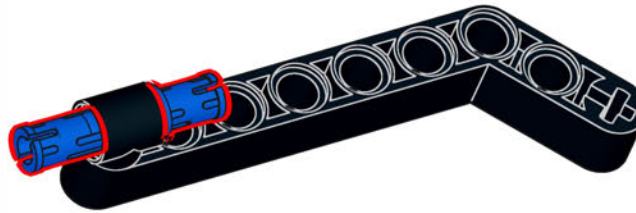
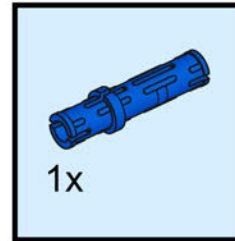
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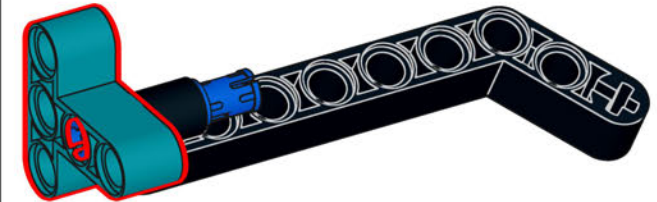
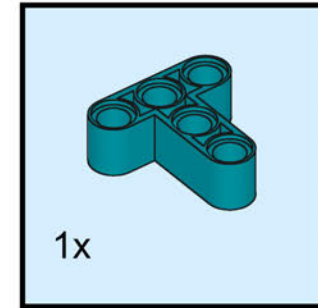
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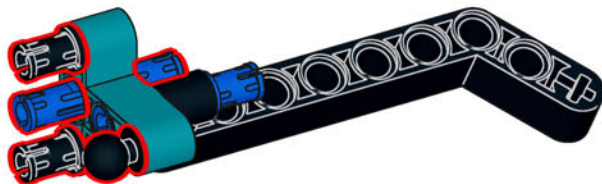
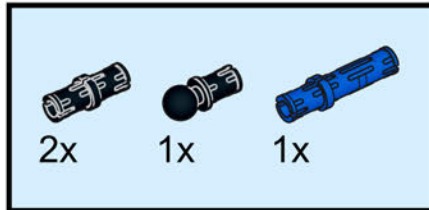
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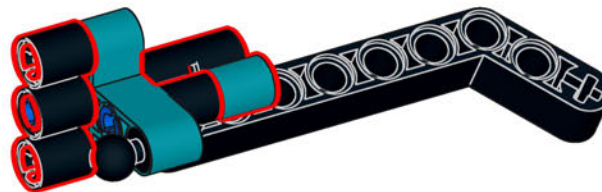
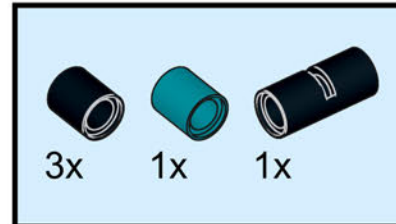
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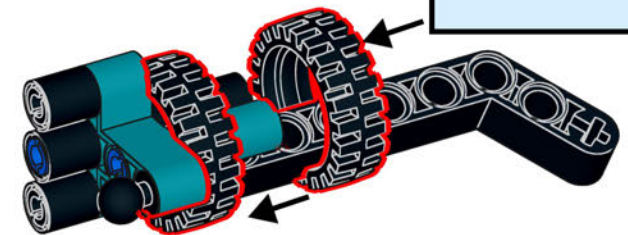
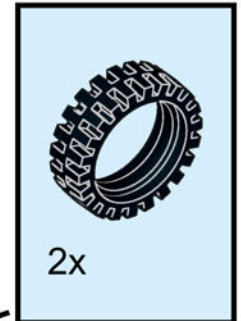
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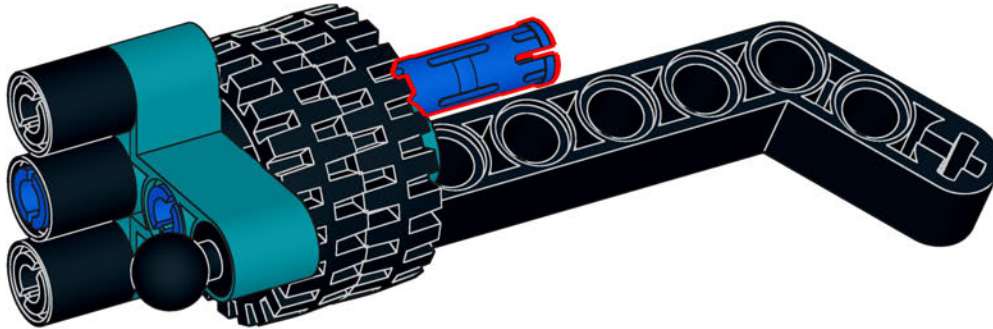
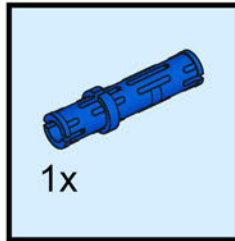
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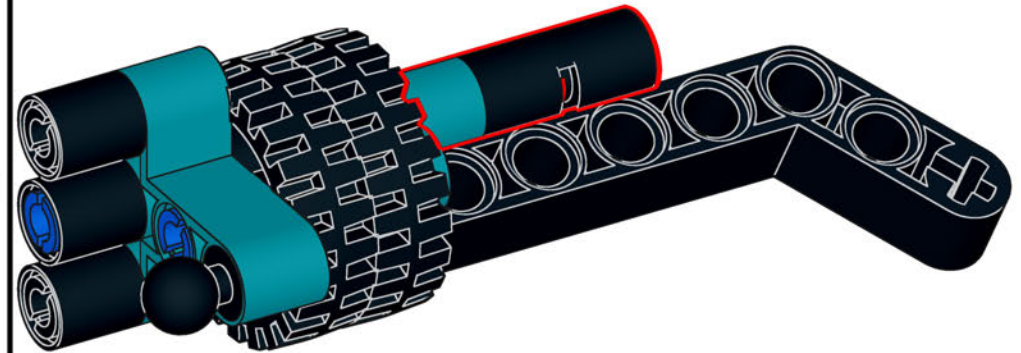
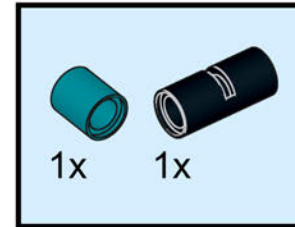
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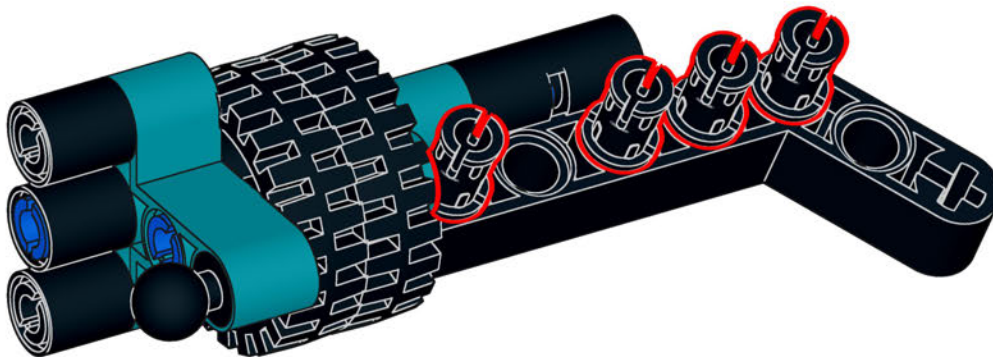
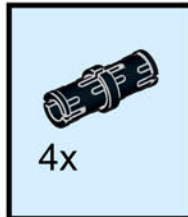
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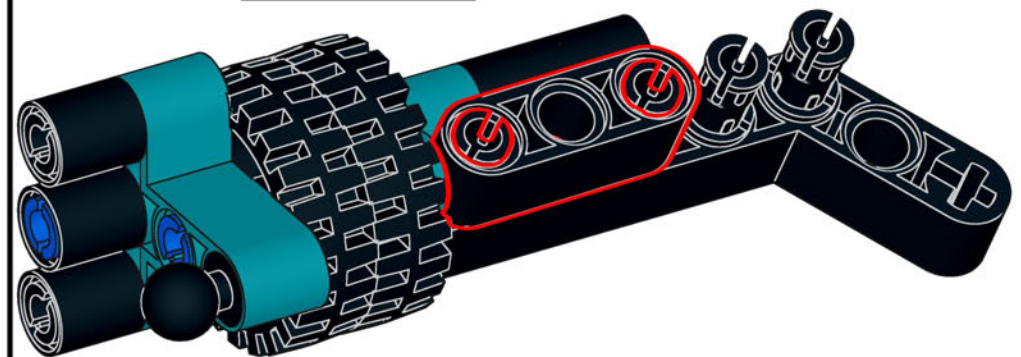
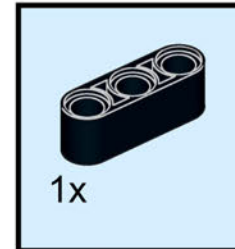
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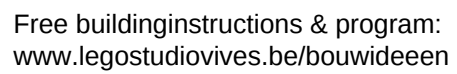


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45





47

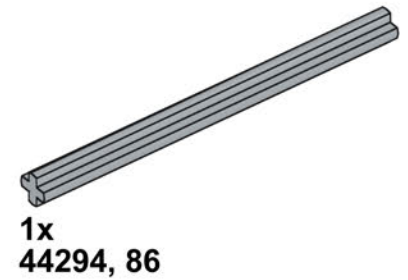
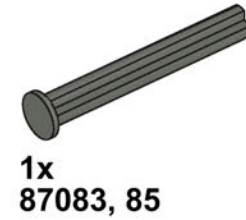
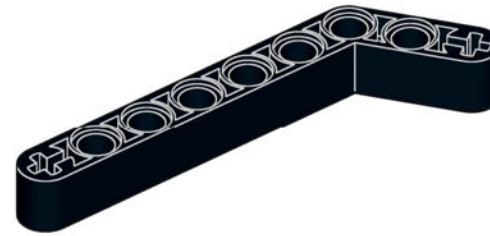


Tuck in the
cables between
the motors



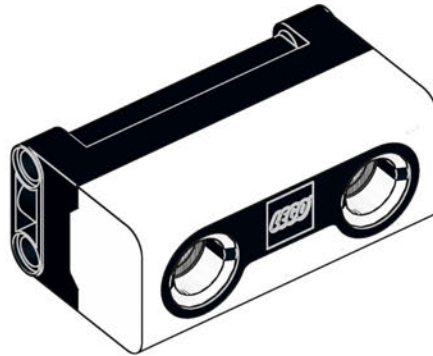
How to tuck
in the cables?
See video -->



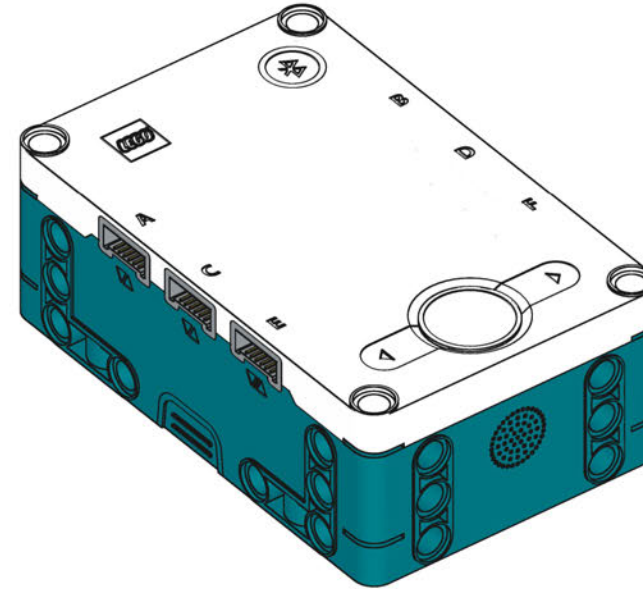




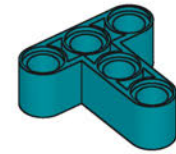
2x
32192, 1



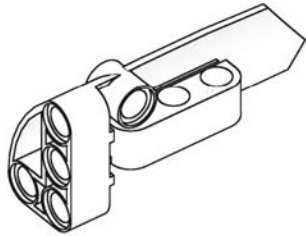
1x



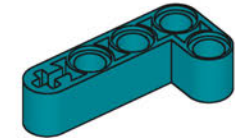
1x



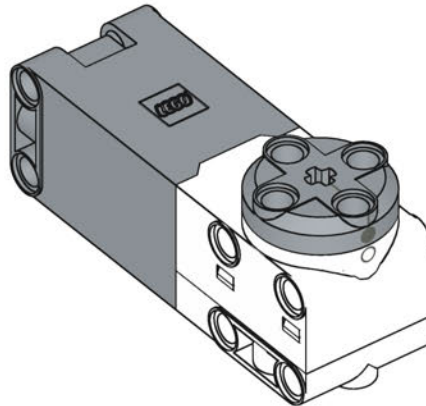
2x
60484, 39



1x
64391, 1



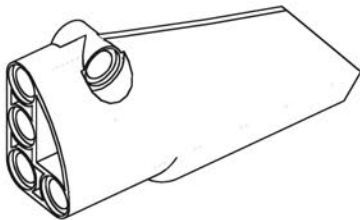
1x
32140, 39



2x



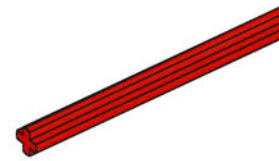
6x
43093, 7



1x
64683, 1



10x
6558, 7

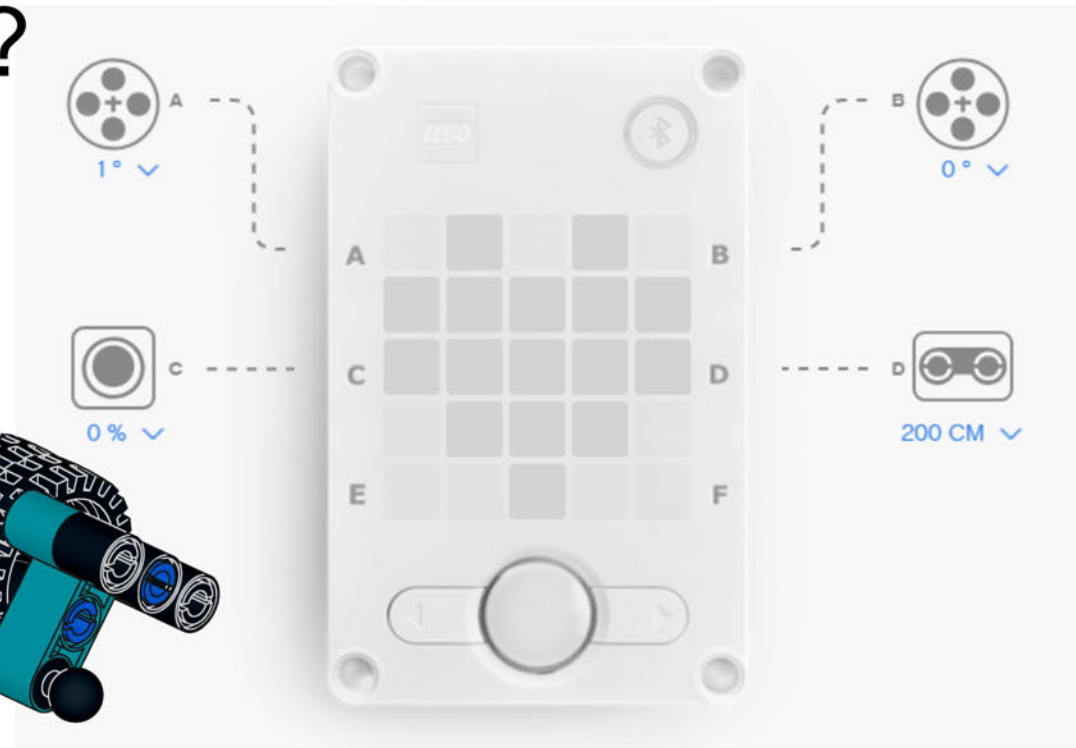
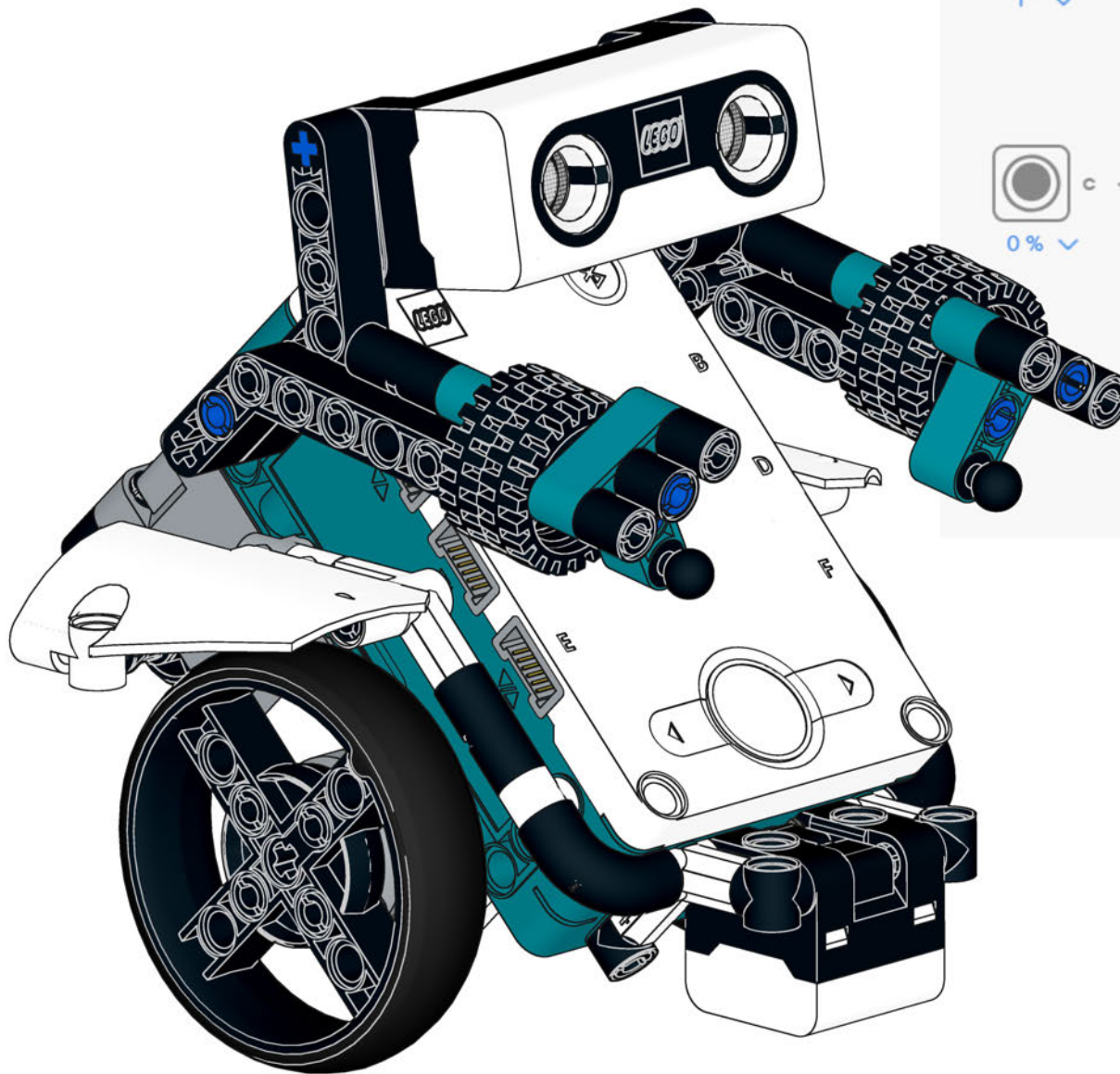


1x
3706, 5

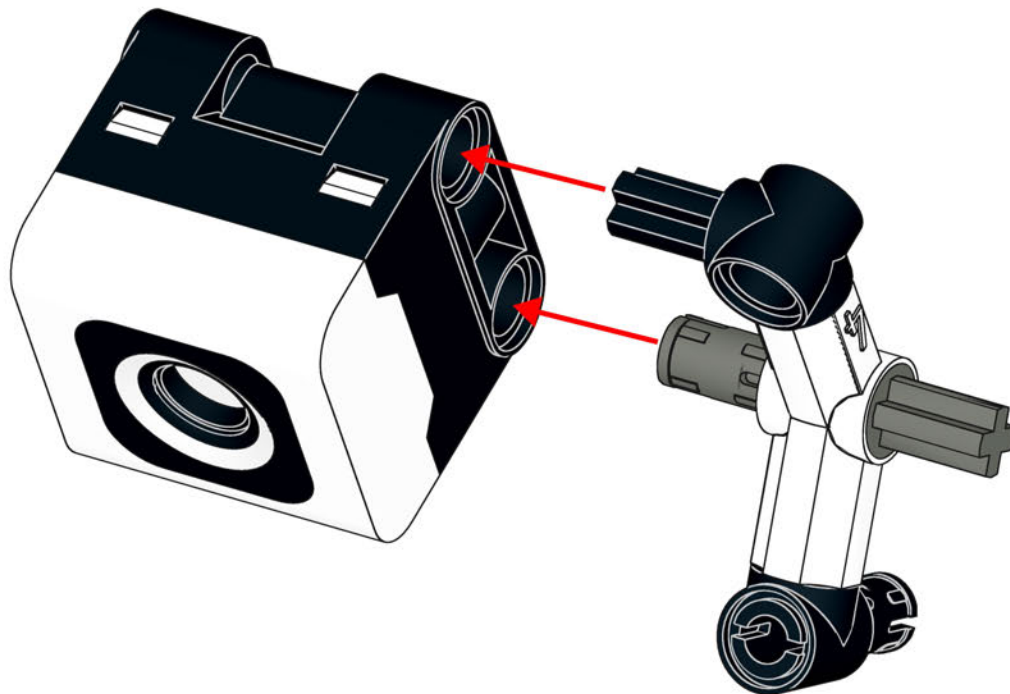
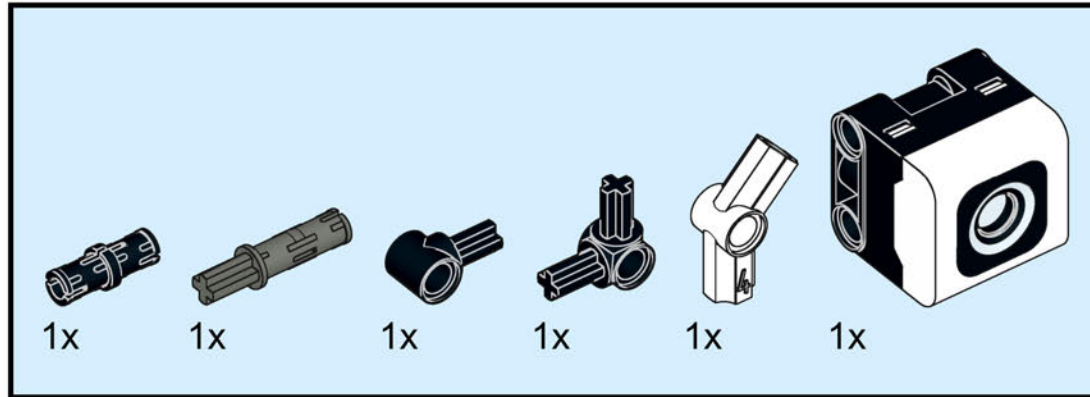


5x
18654, 39

How to add Lightsensor?



1



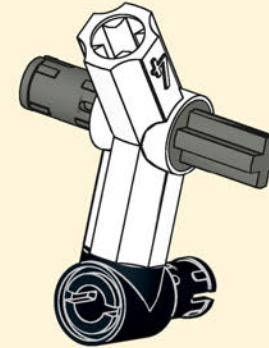
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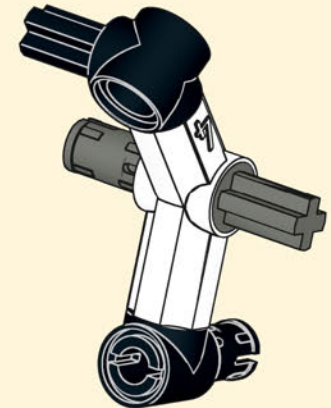
2



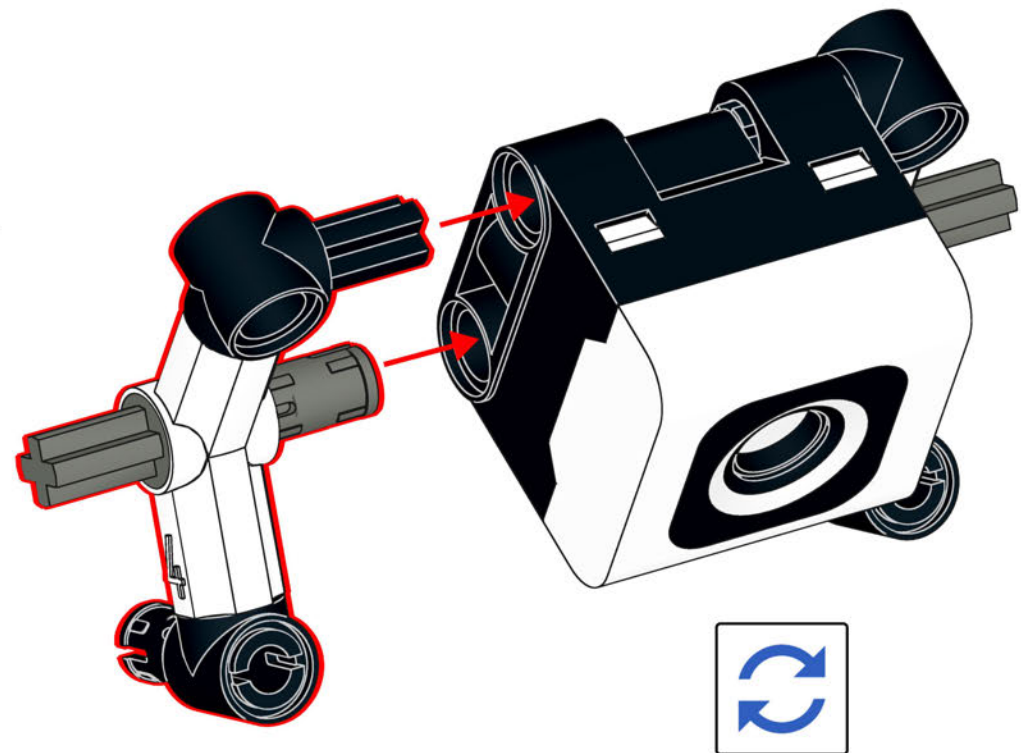
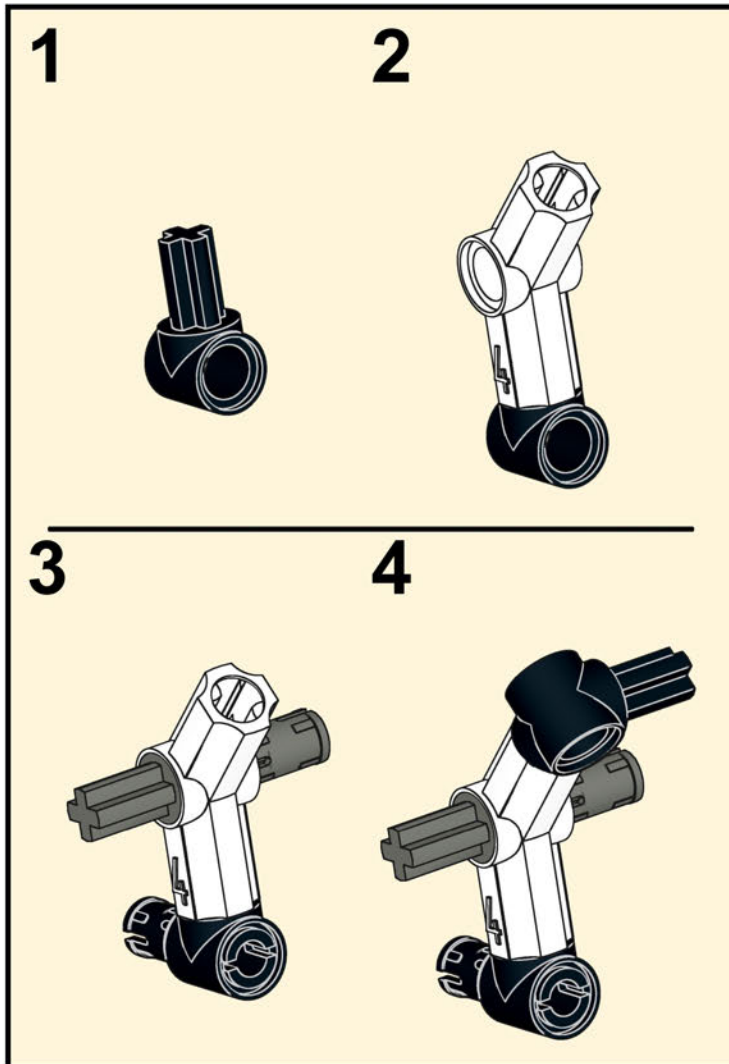
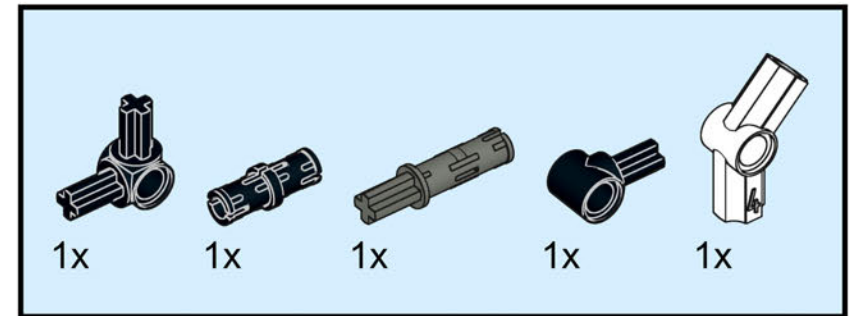
3



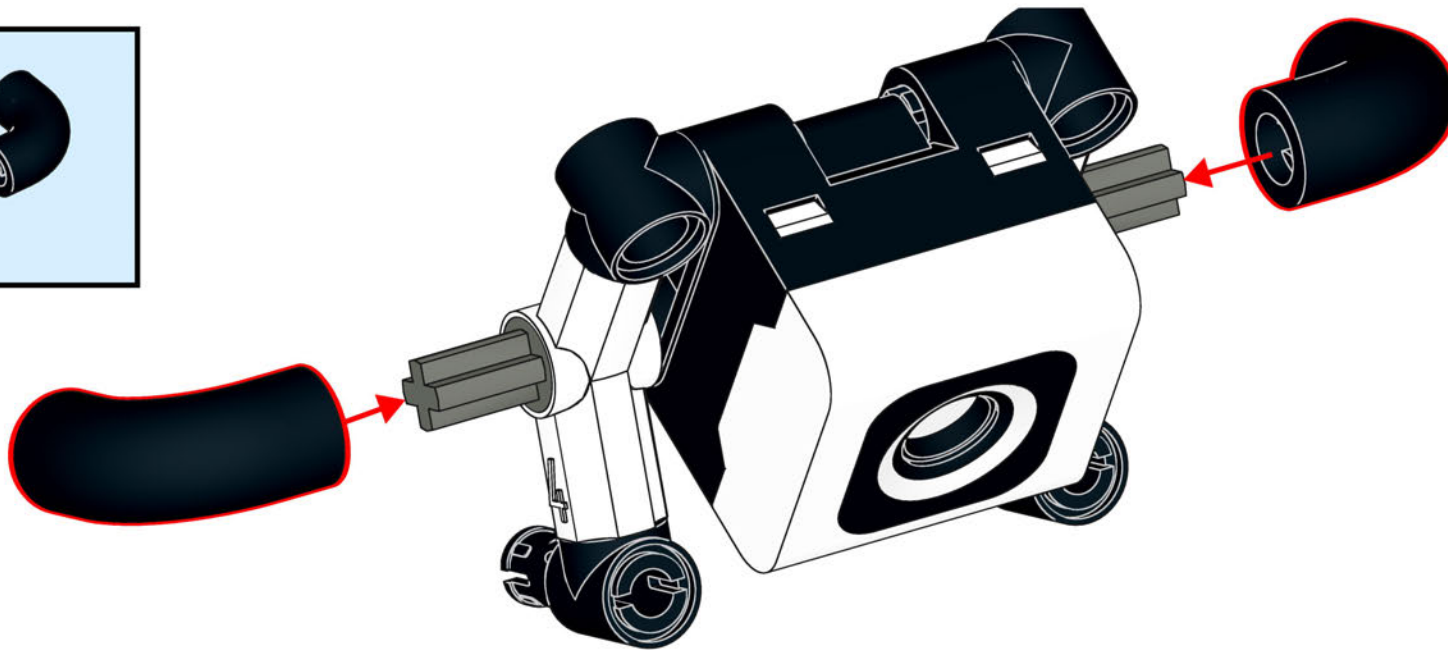
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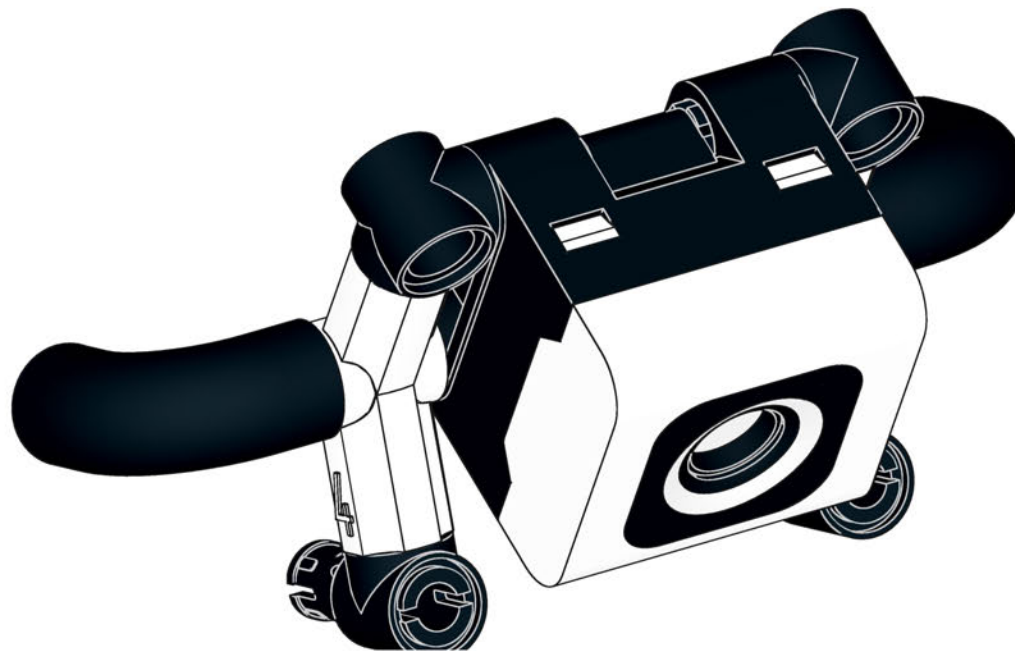
2



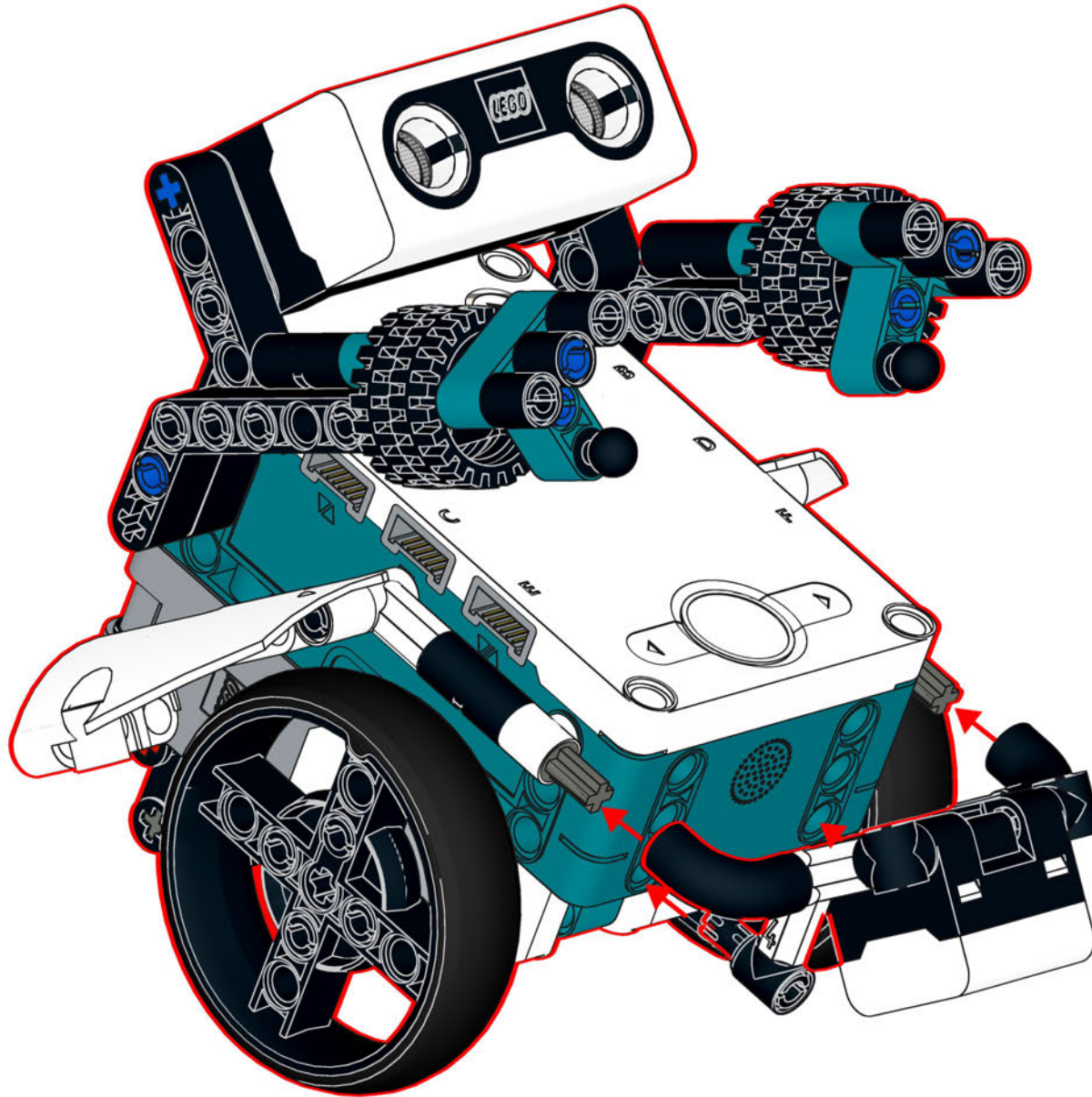
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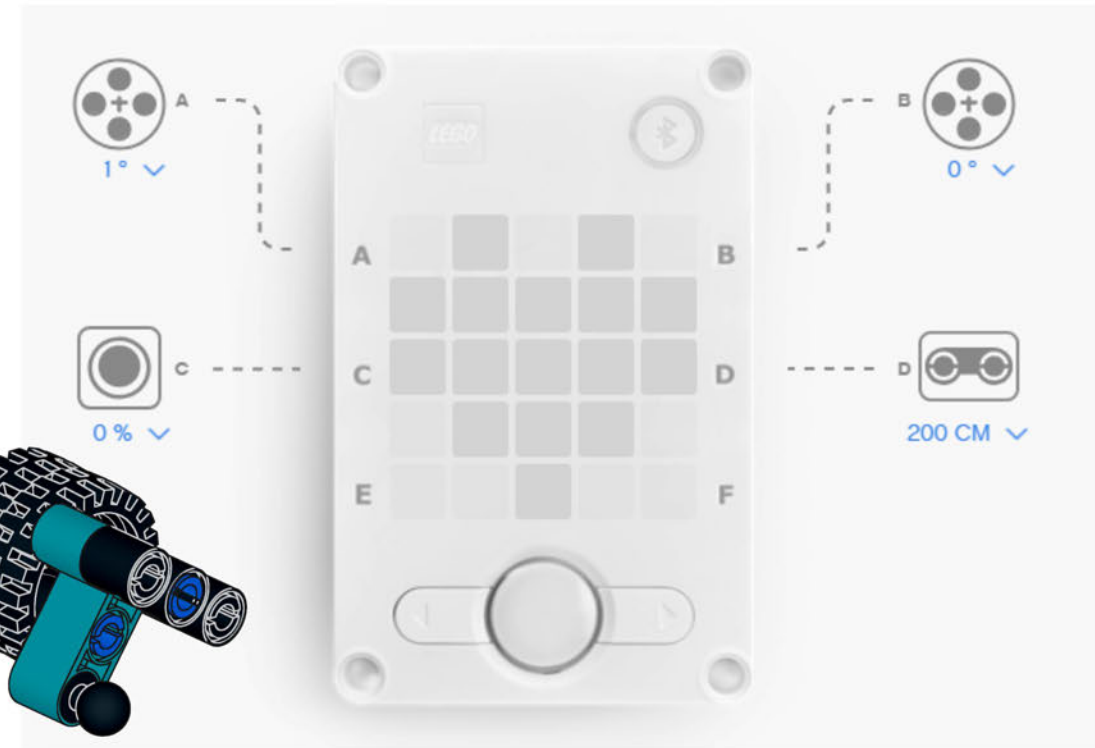
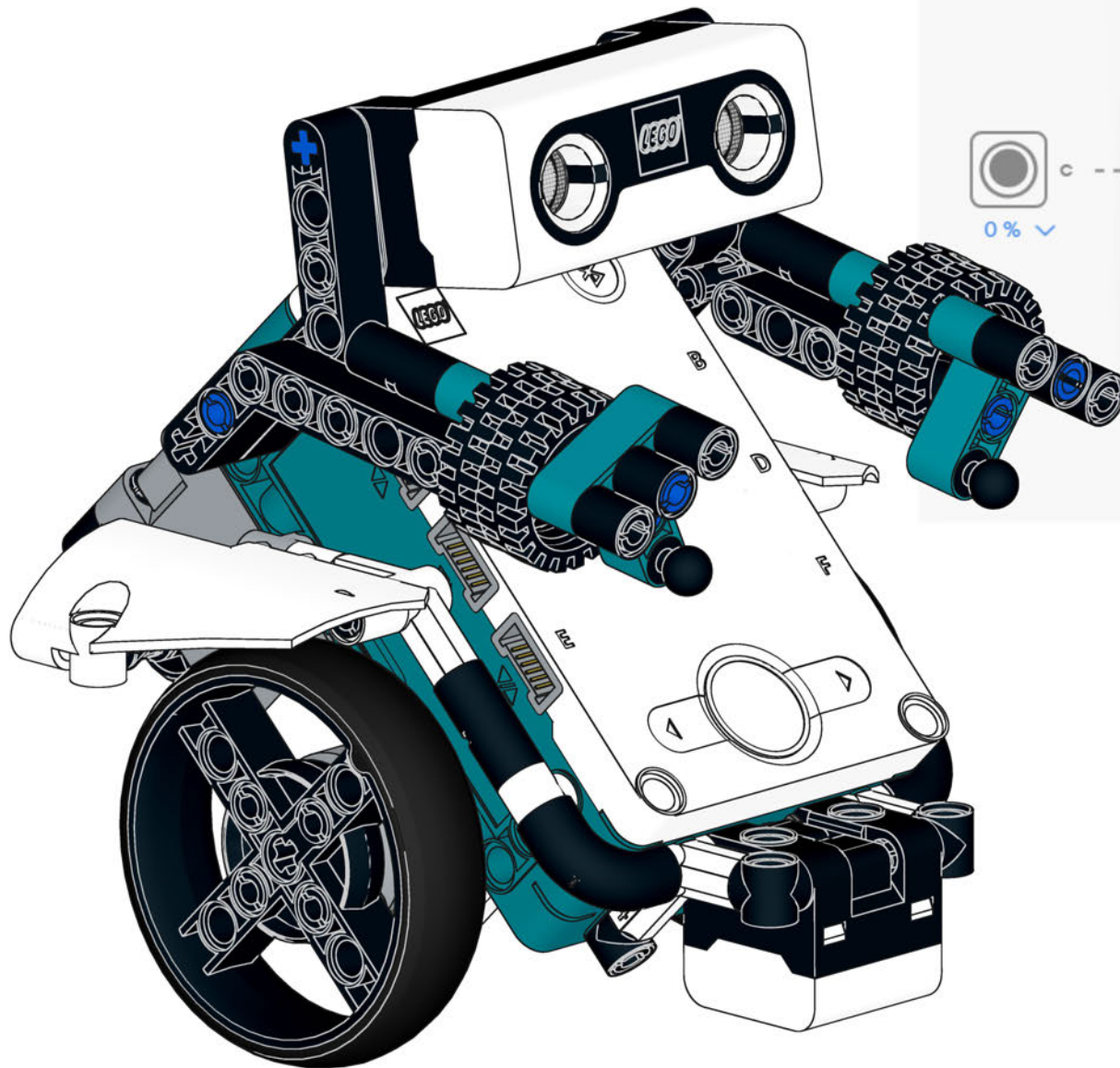
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5

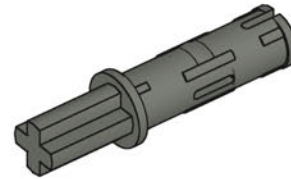


6





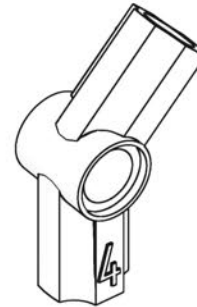
2x
2780, 11



2x
11214, 85



2x
22961, 11



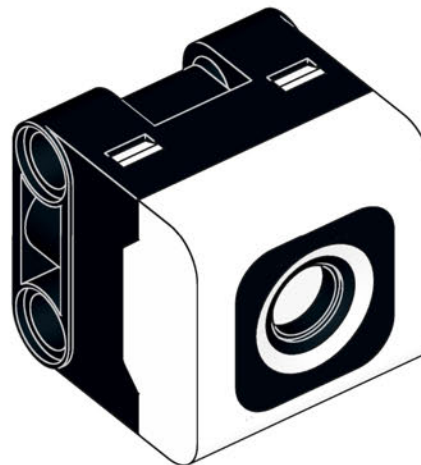
2x
32192, 1



2x
10197, 11



2x
25214, 11



1x



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