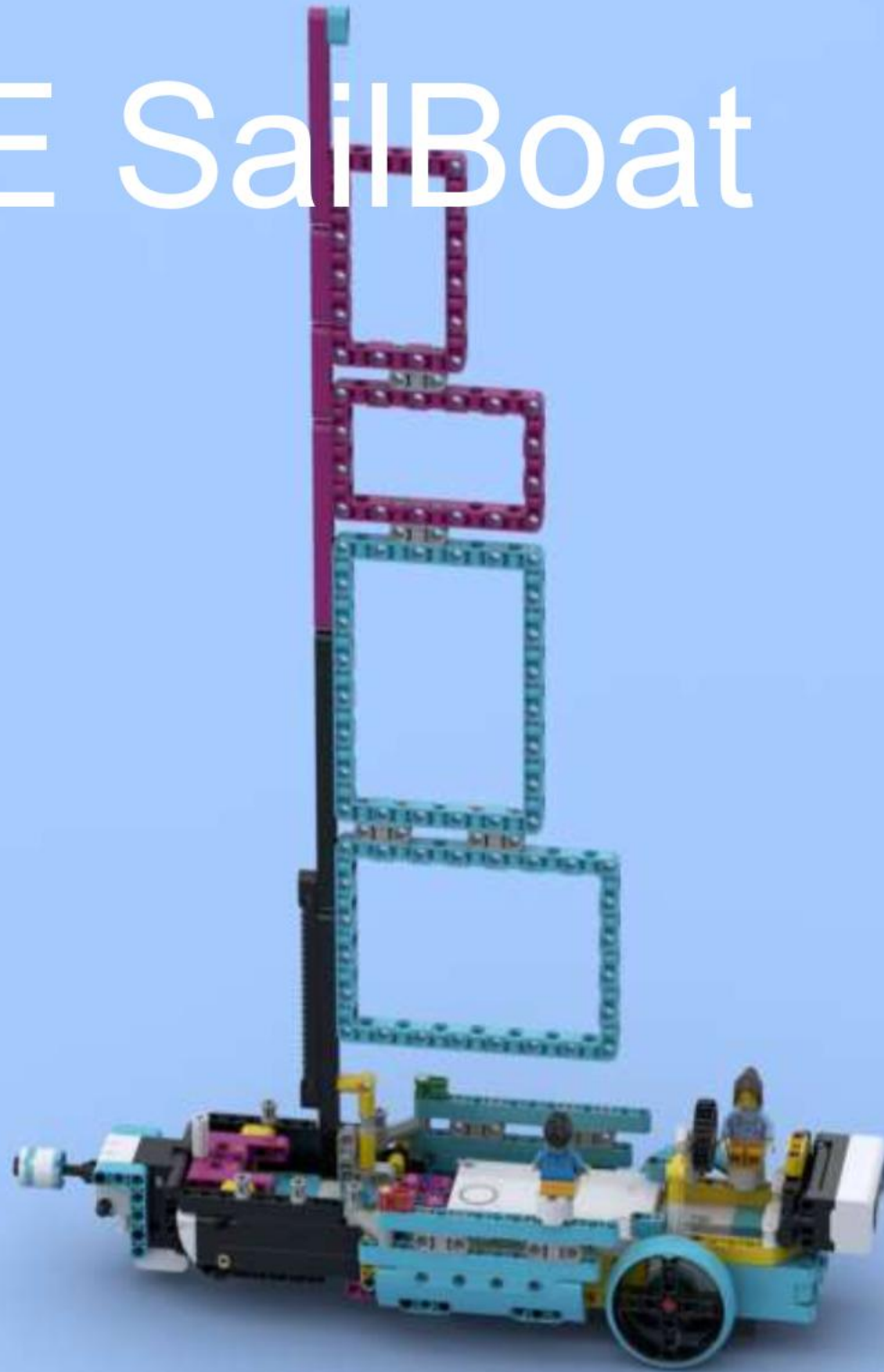


SPIKE SailBoat



Frank
Ellerkamp
phobricks

Specifications:

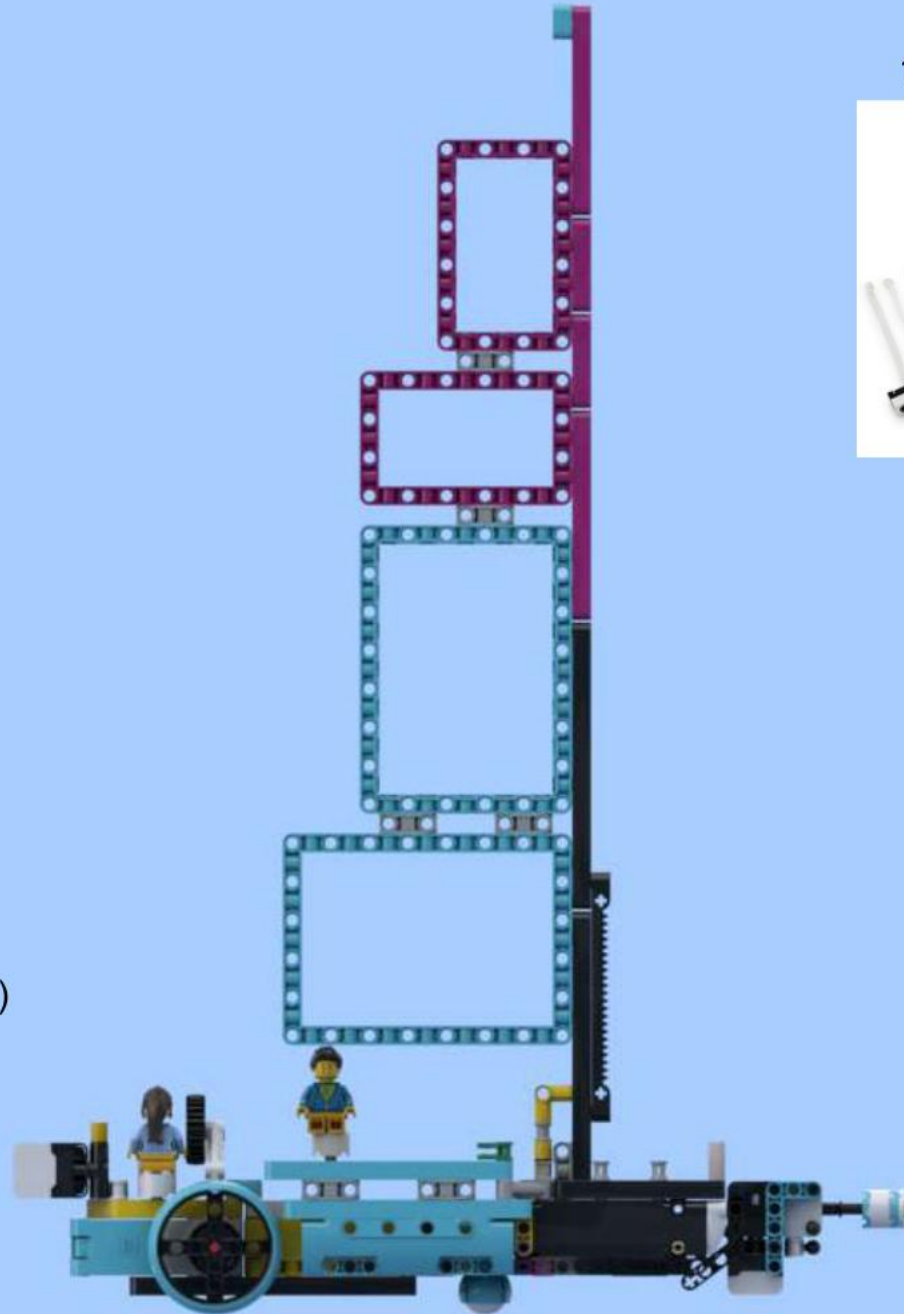
Class: #smartboat
Team: Mixed Minifig (2)
Height: 54.4cm
Length: 37.5cm
Width: 10.7cm
Draft: 0cm
Beam: 49.5cm /360°
Sail-Area: 240cm²

Equipment:

Intelligent Hub:
- 3-axis Gyro
- 5x5 Matrix Display
- BT Communication
- Limited Speaker
ForceSensor
ColorSensor
DistanceSensor
Block- & Textbased Operating

Skipper-defined Functions:

(approved selection by the designer)
Echolot-Autopilot (ColorSensor)
Collision-Detection (ForceSensor)
Self-Mooring (DistanceSensor)
Capsizing Alert (Gyro)
Remote Sailing (BT + EV3 Joystick)



Materials:

1 SPIKE Prime Set (45678) *



* 15 pins from reserve bag

Designer:

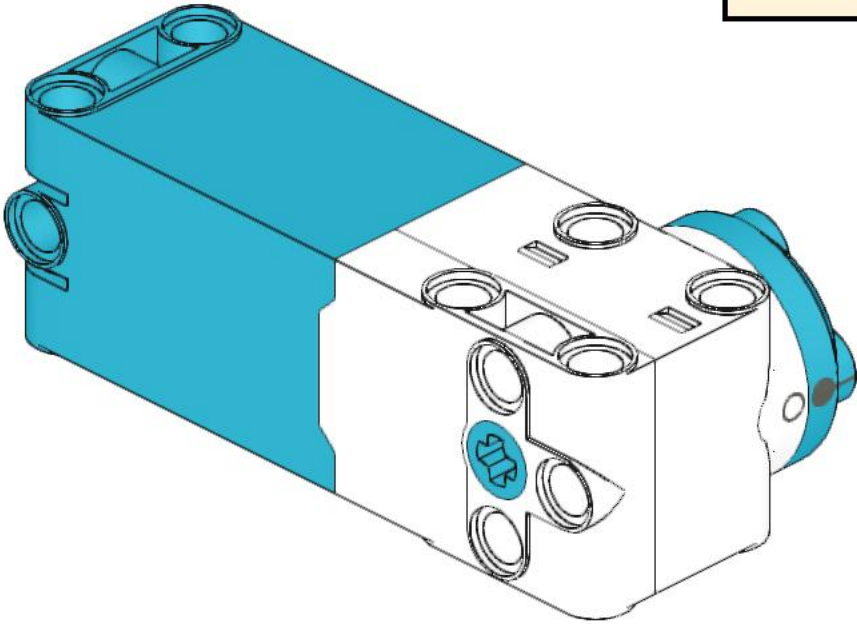
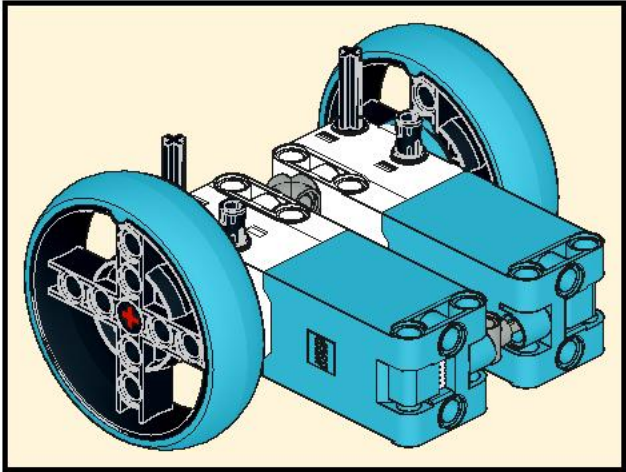
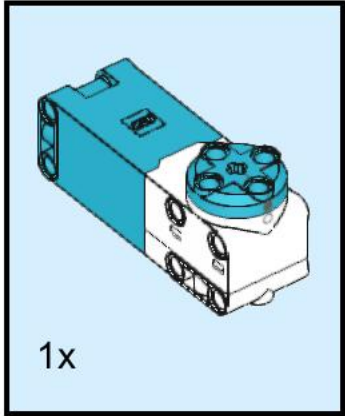
Frank Ellerkamp
phobricks - clever teamwork
<https://phobricks.ch>

v1.0

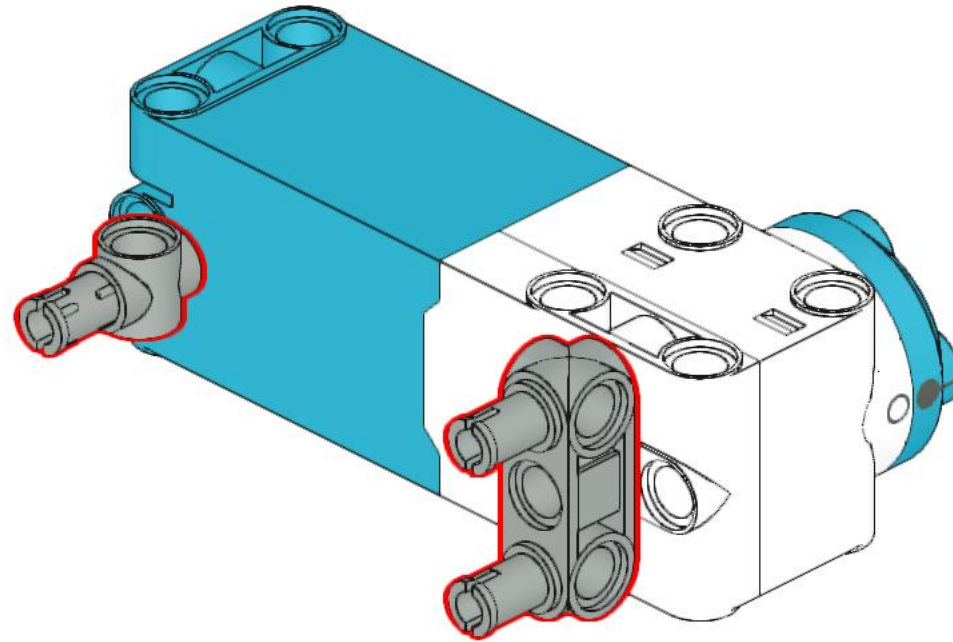
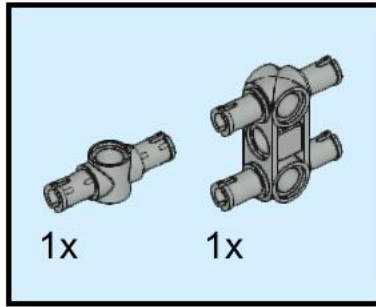
2020-08-06



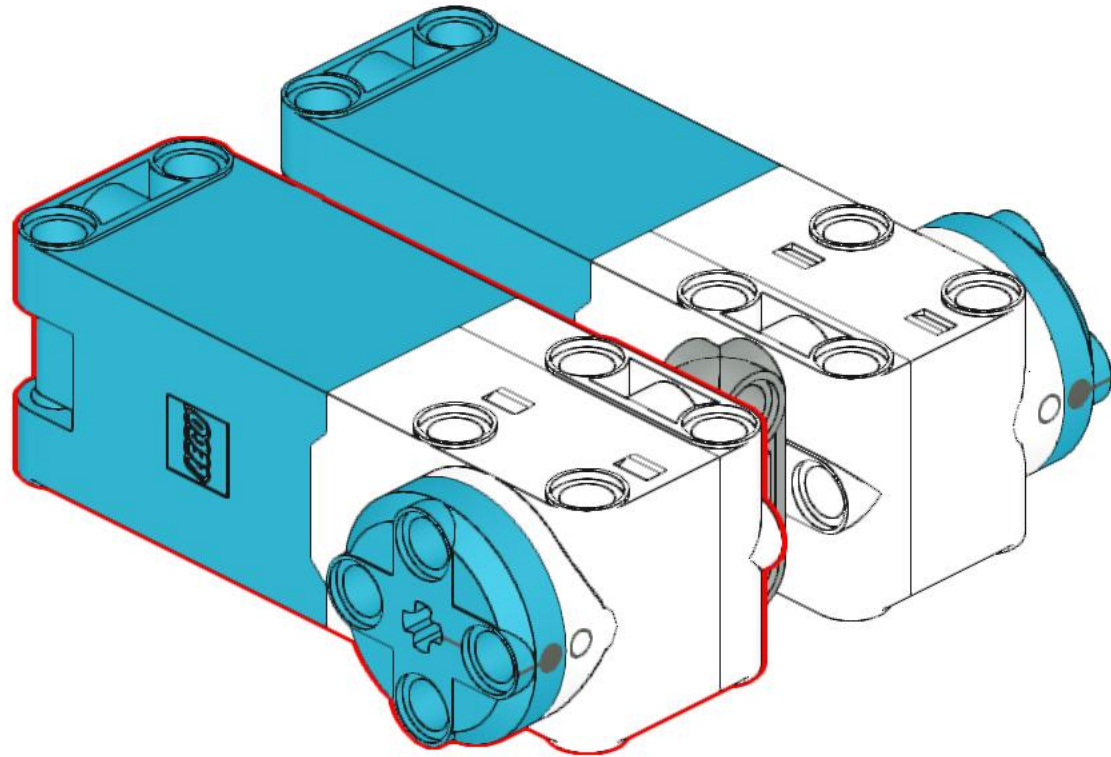
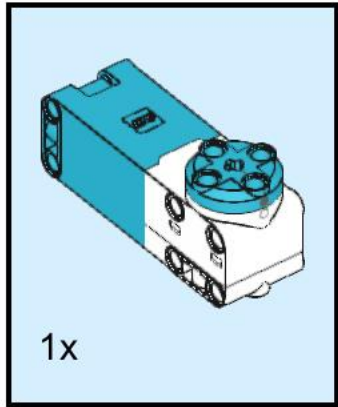
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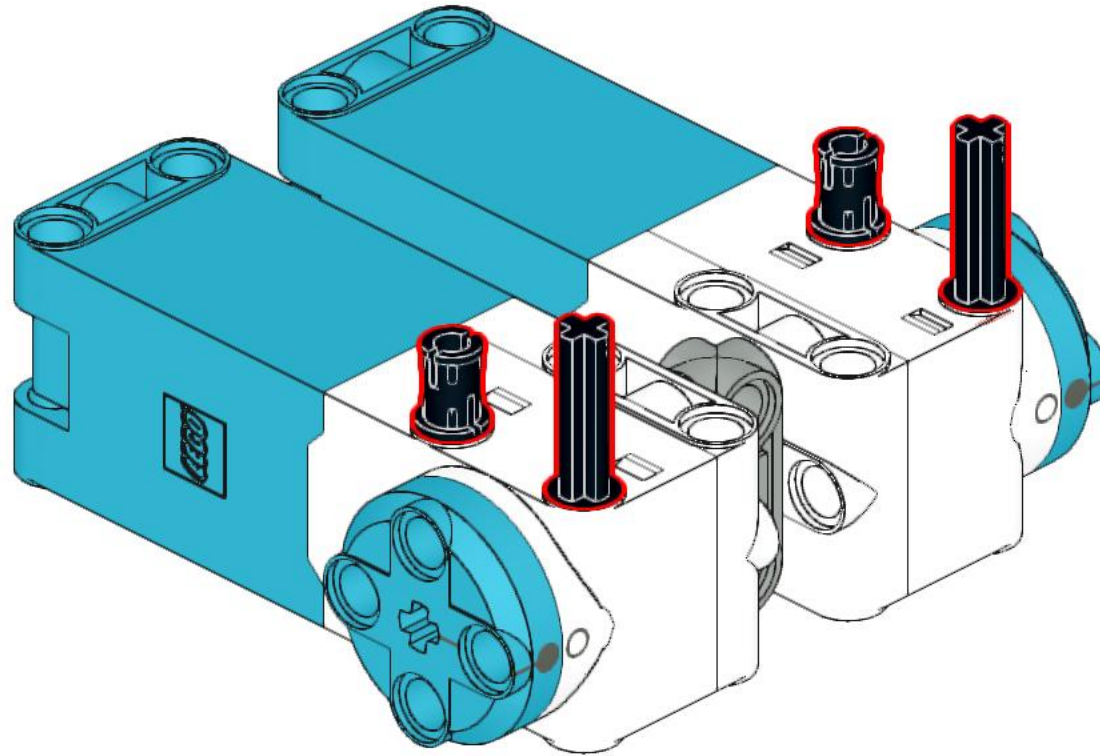
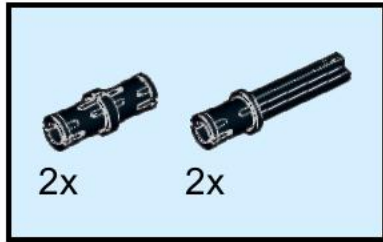
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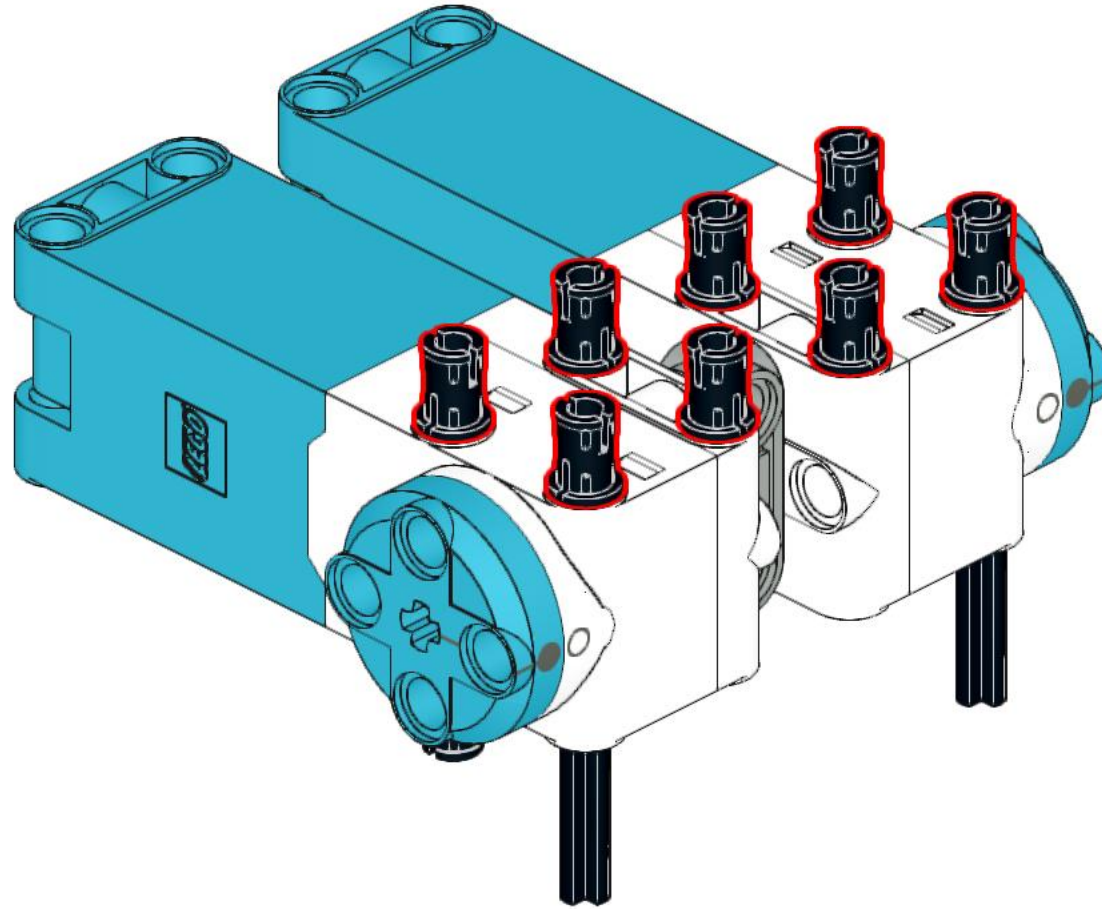
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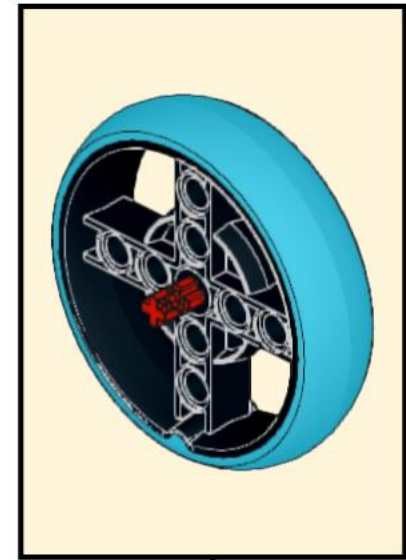
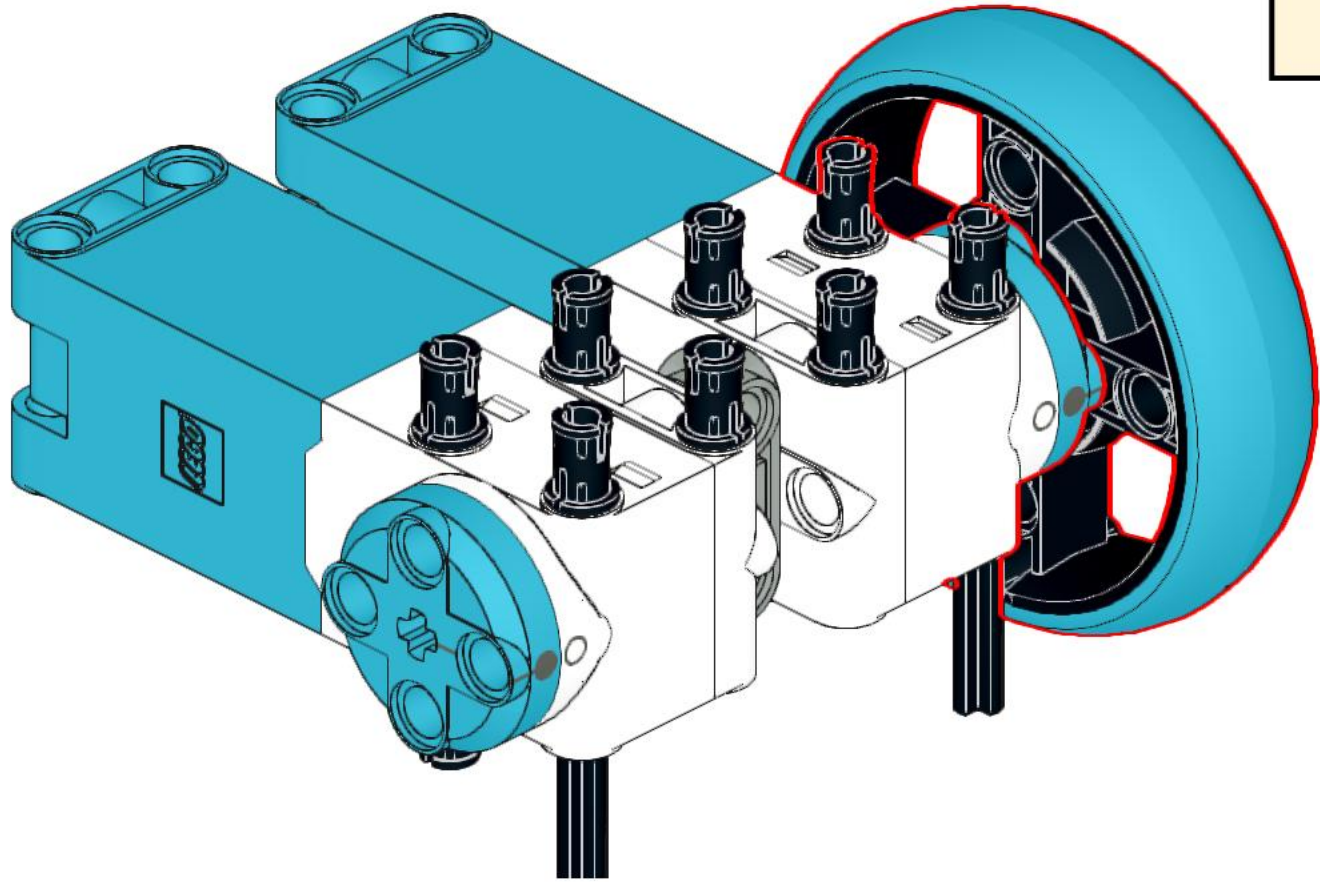
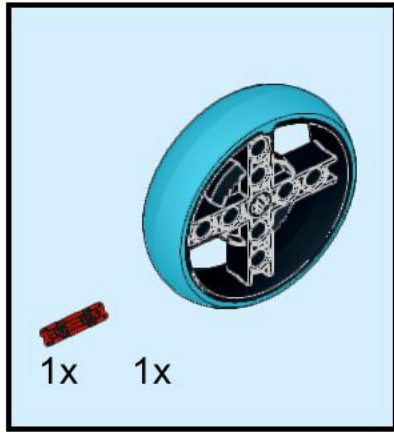
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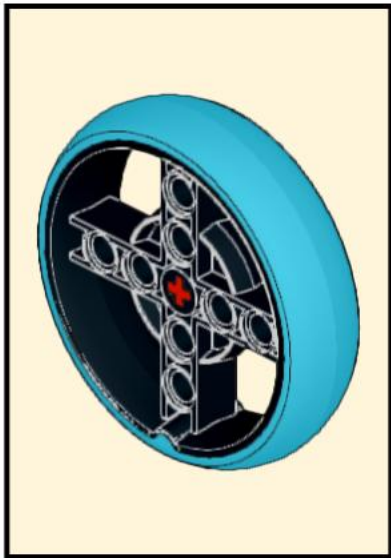
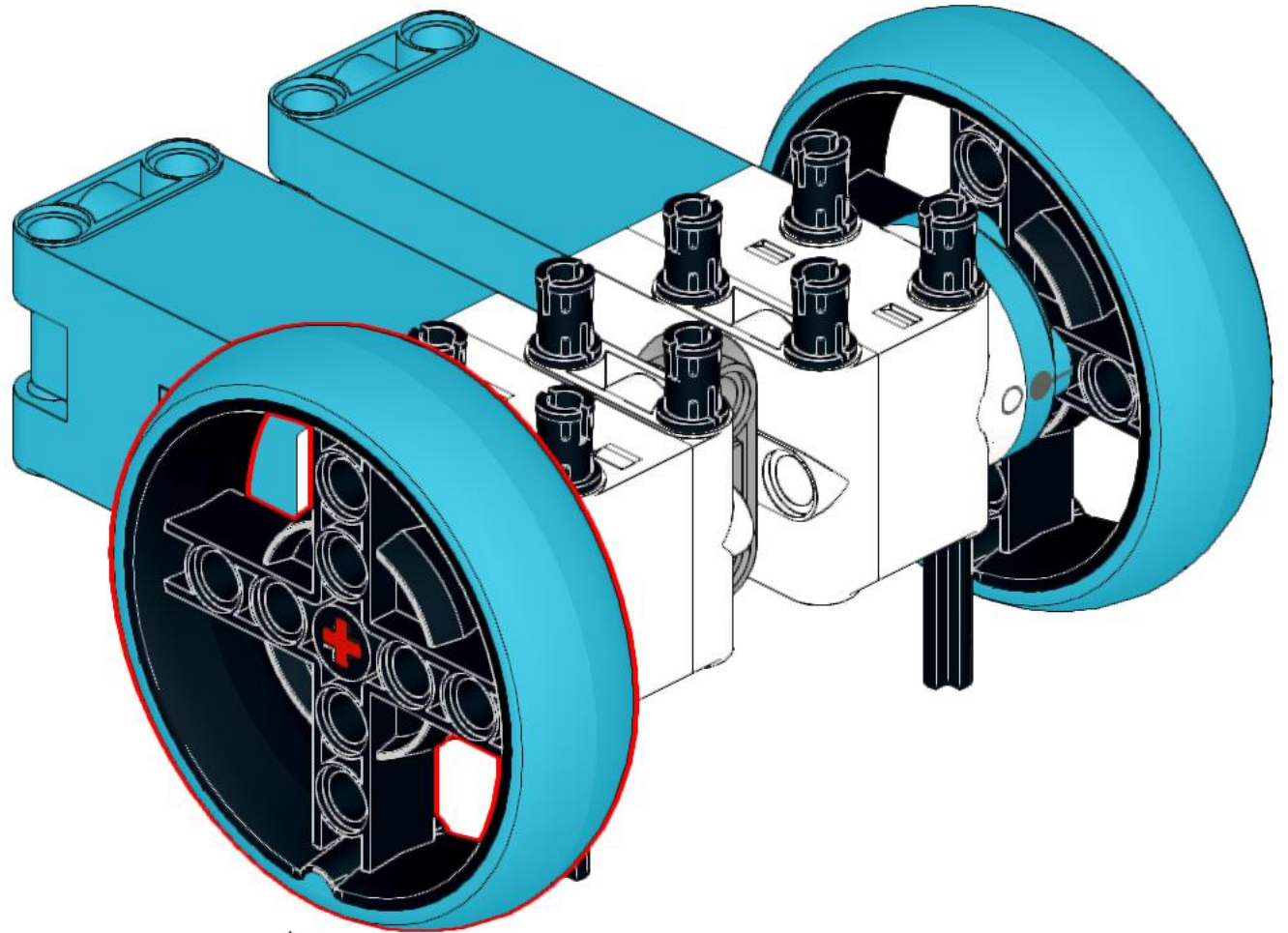
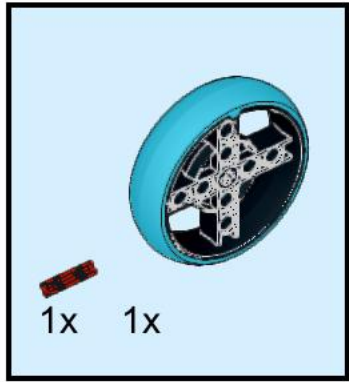
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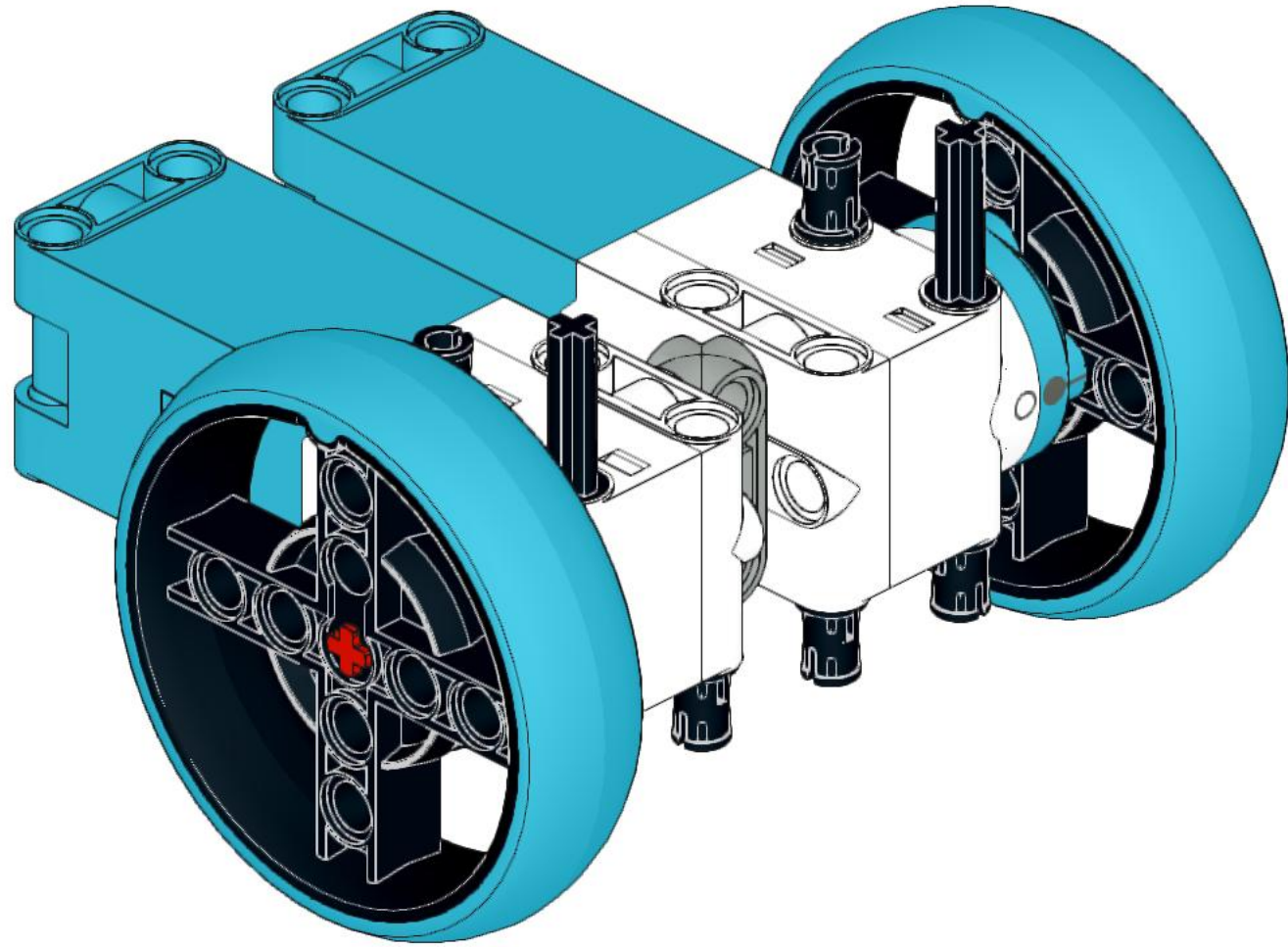
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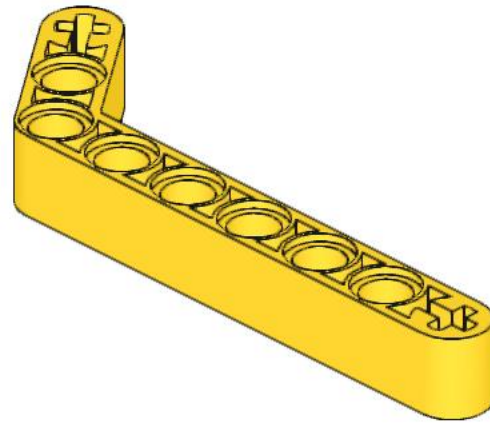
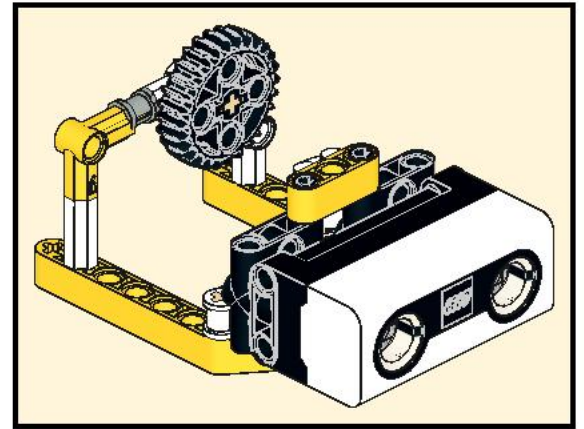
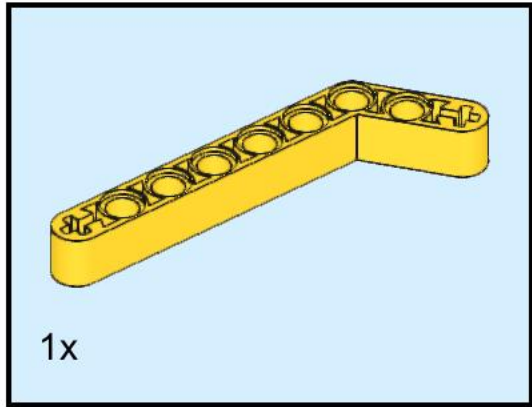
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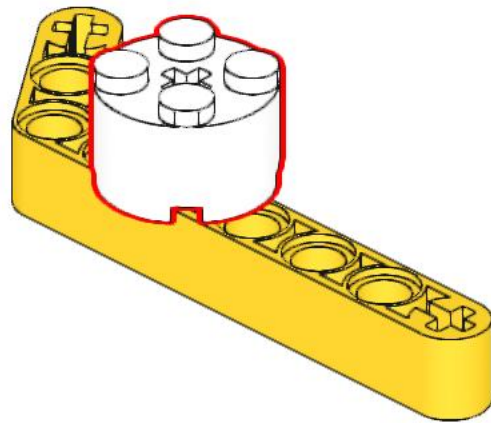
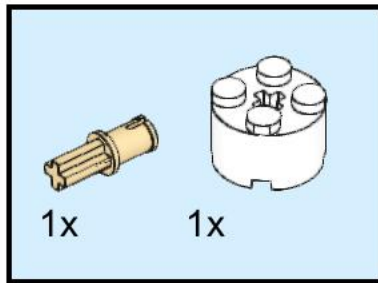
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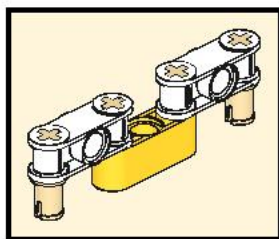
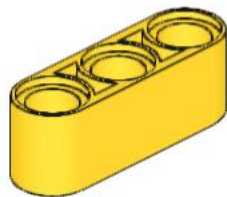
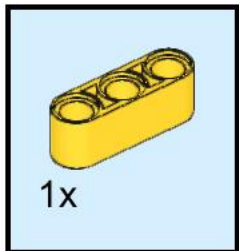
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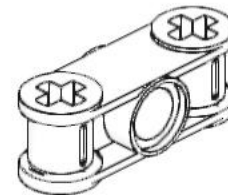
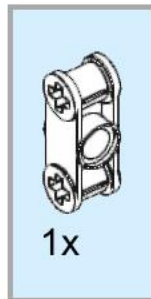
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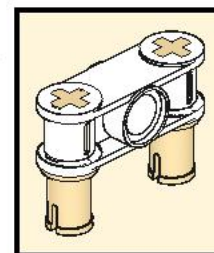
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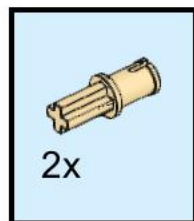
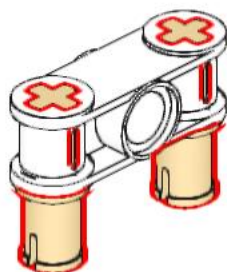
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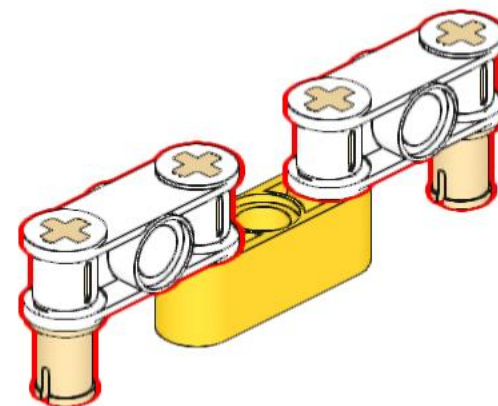
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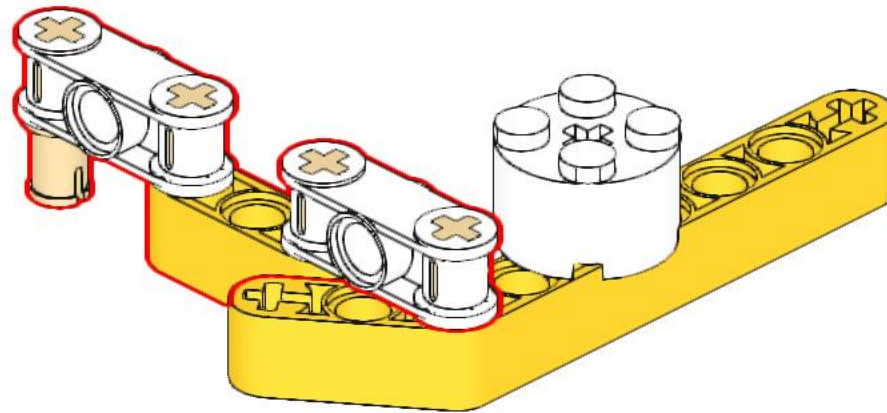
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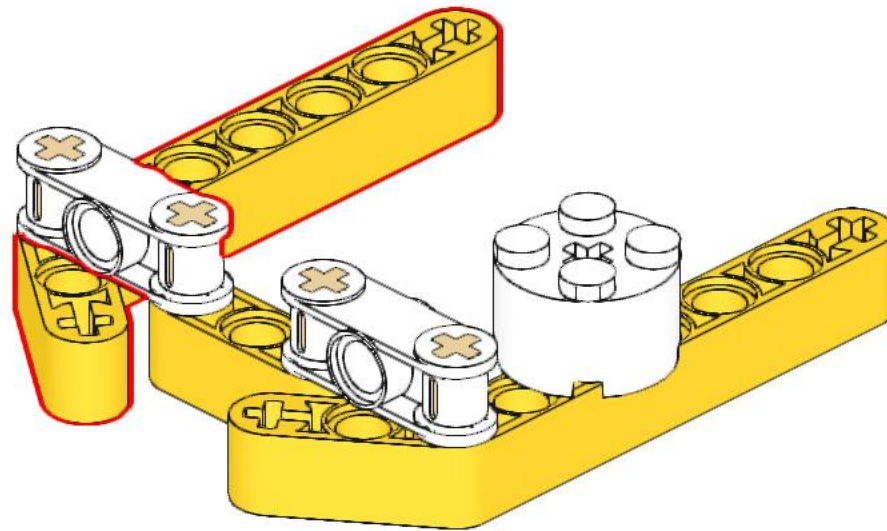
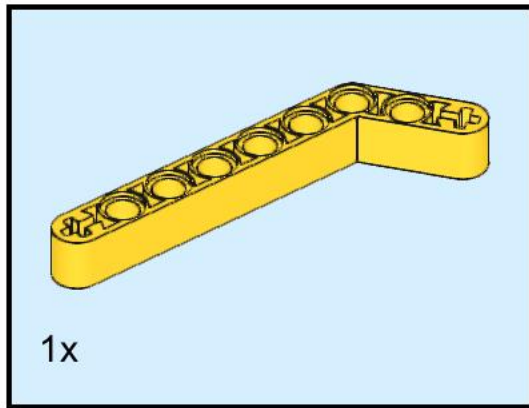
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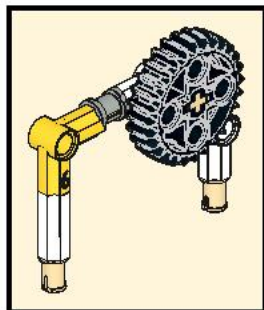
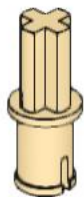
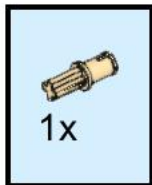
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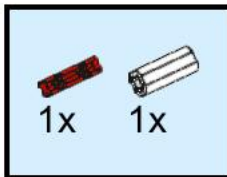
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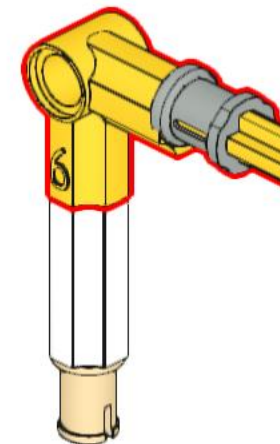
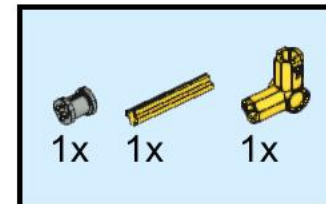
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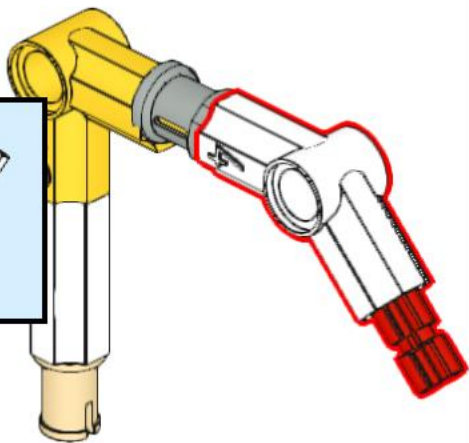
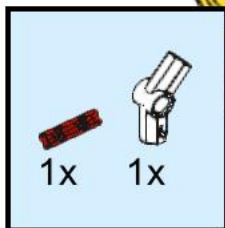
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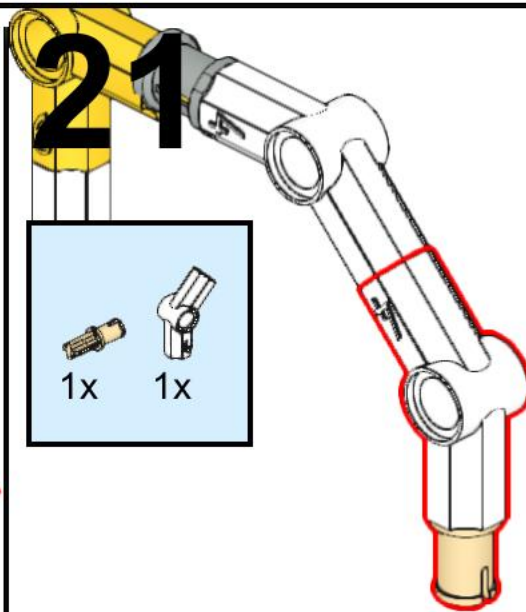
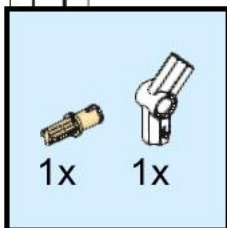
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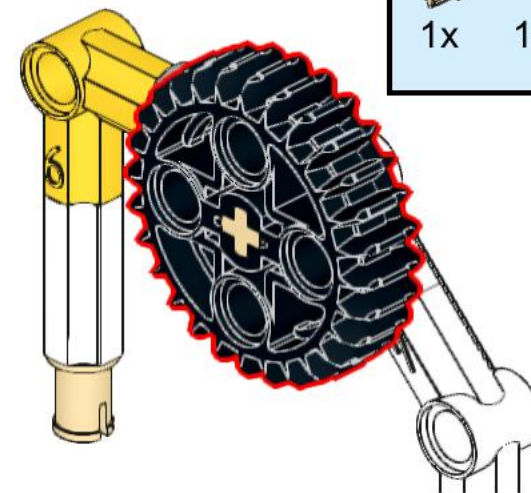
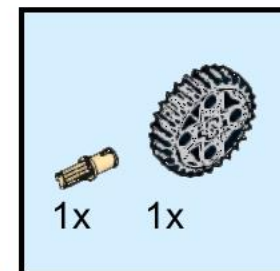
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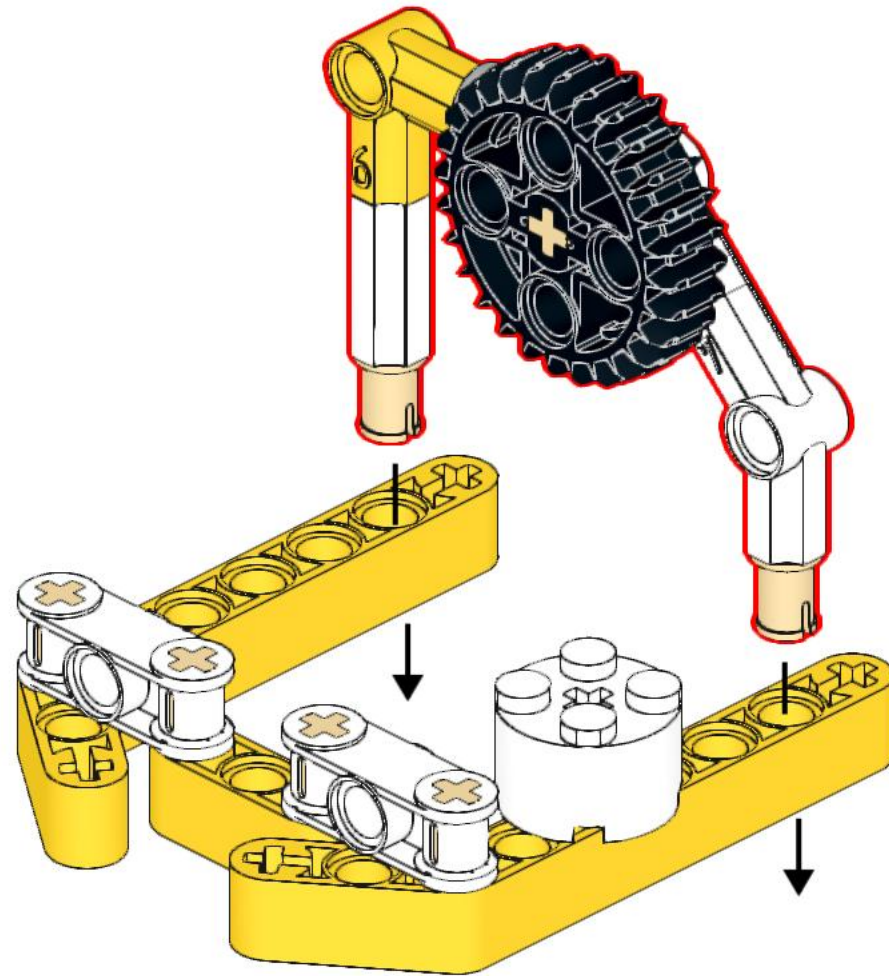
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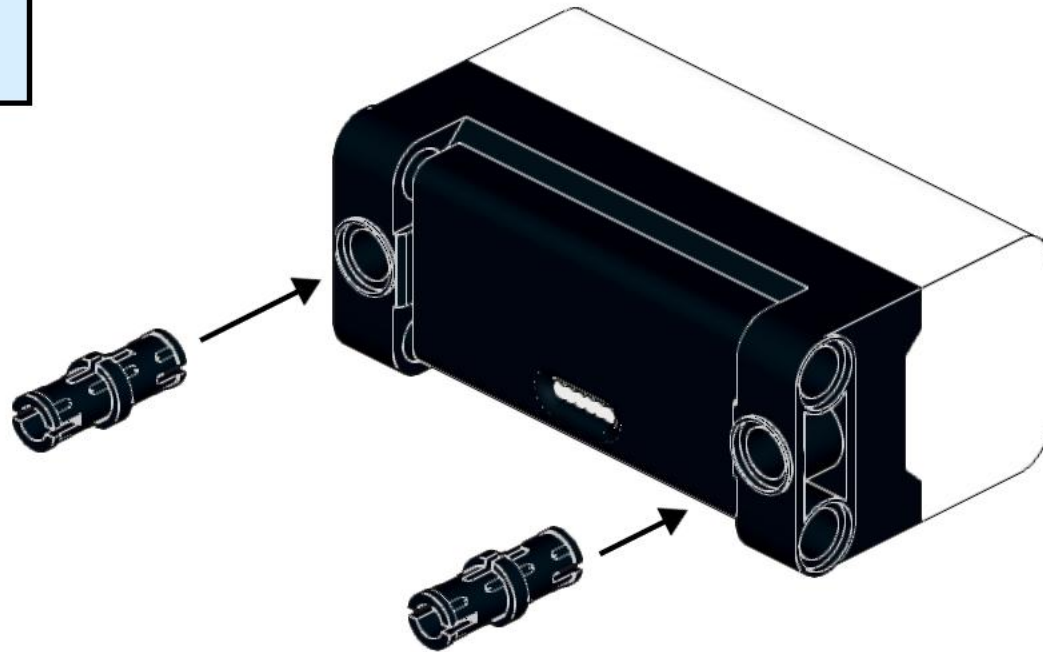
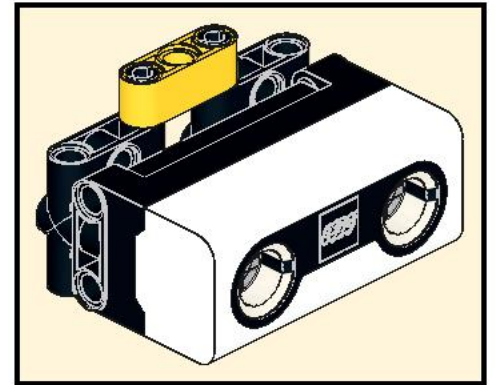
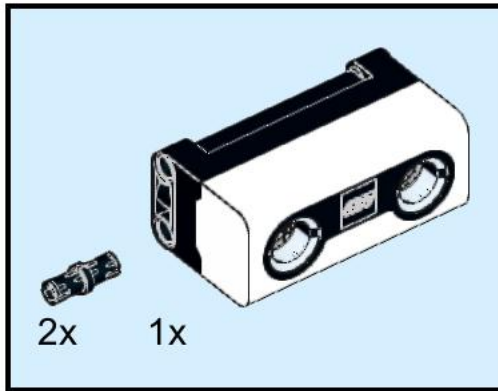
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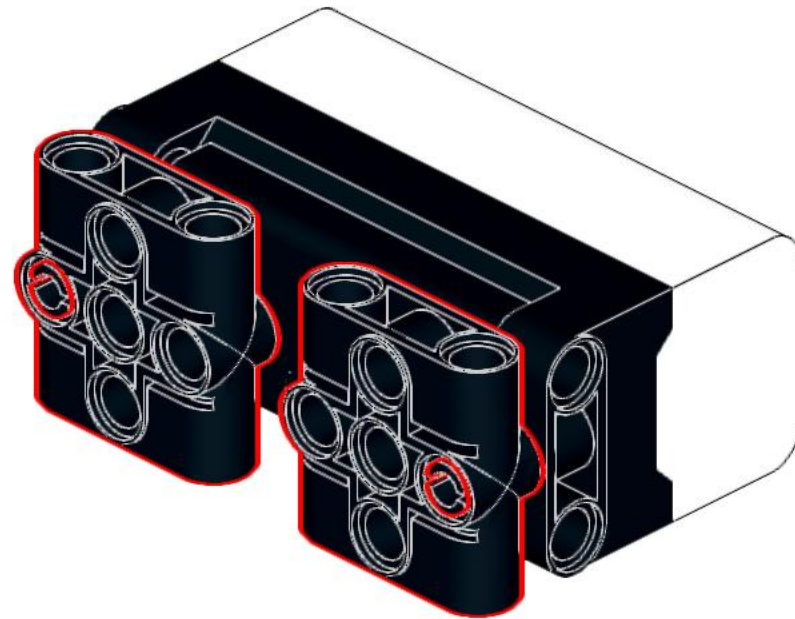
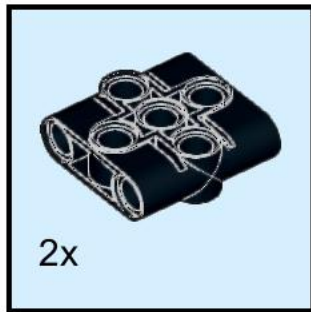
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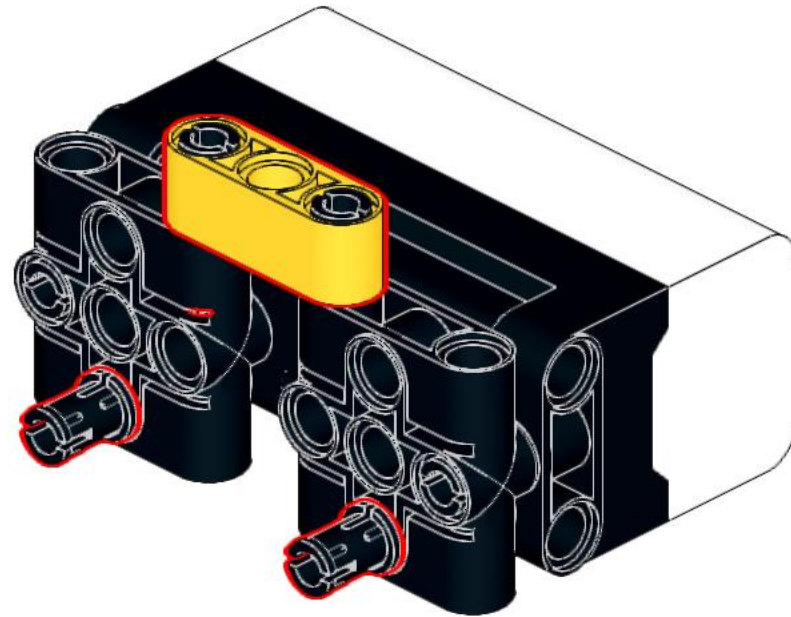
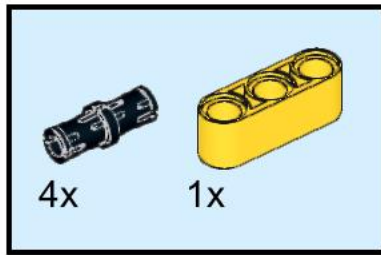
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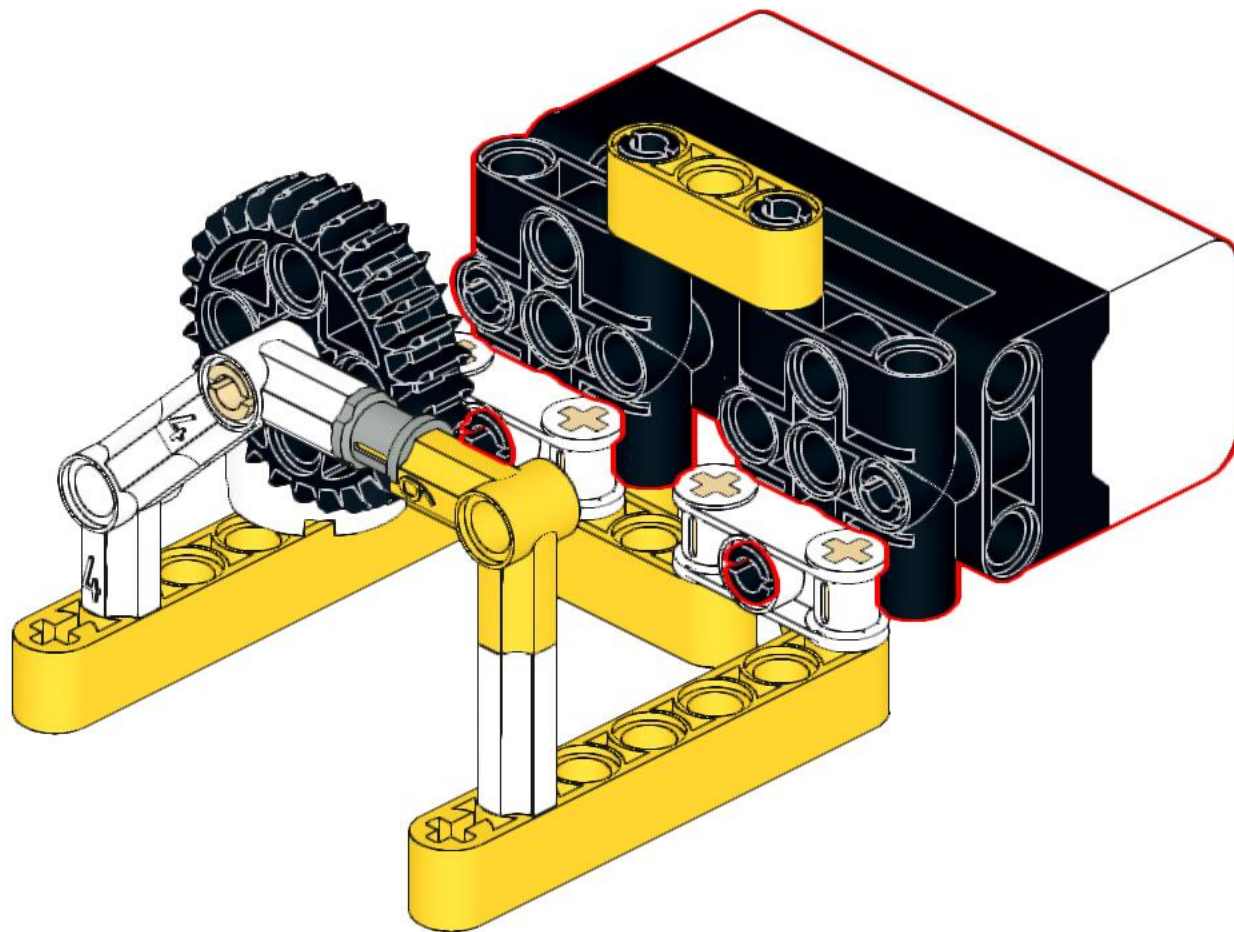
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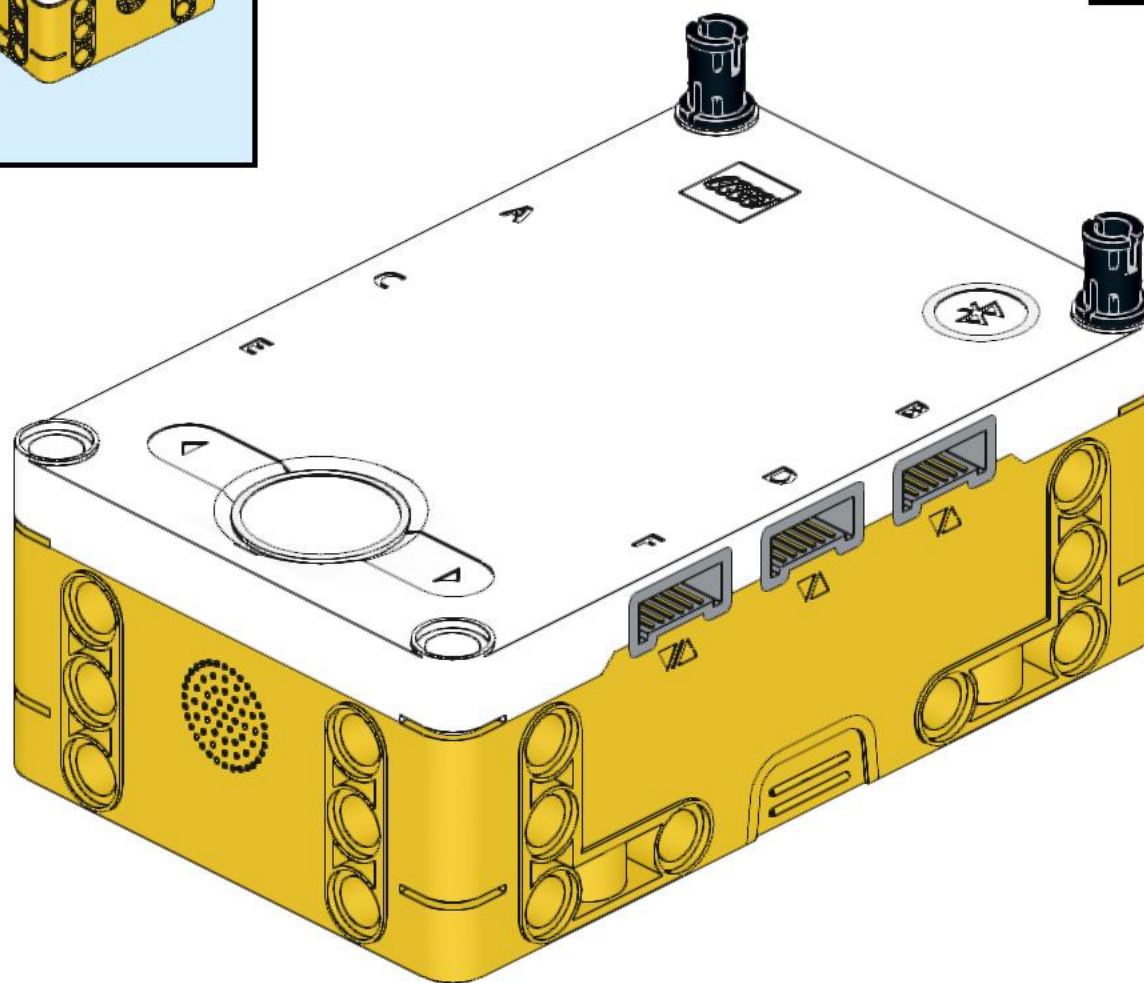
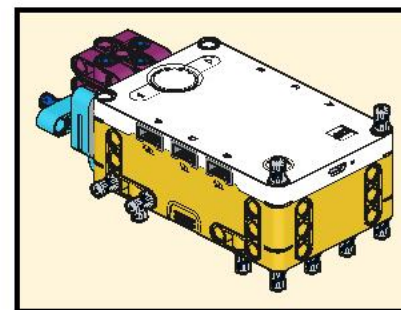
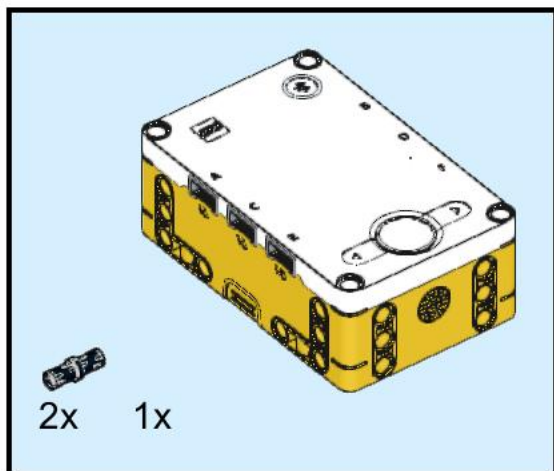
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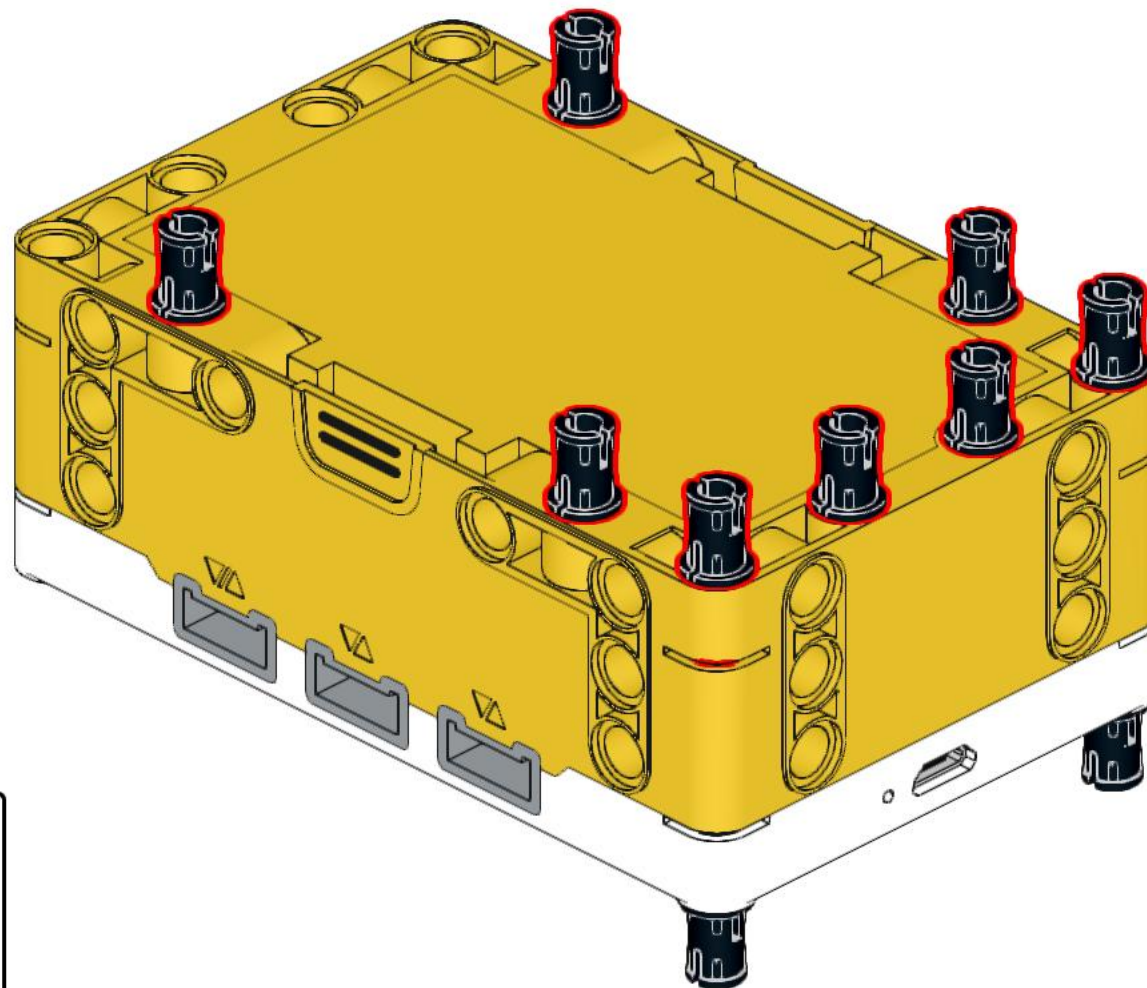
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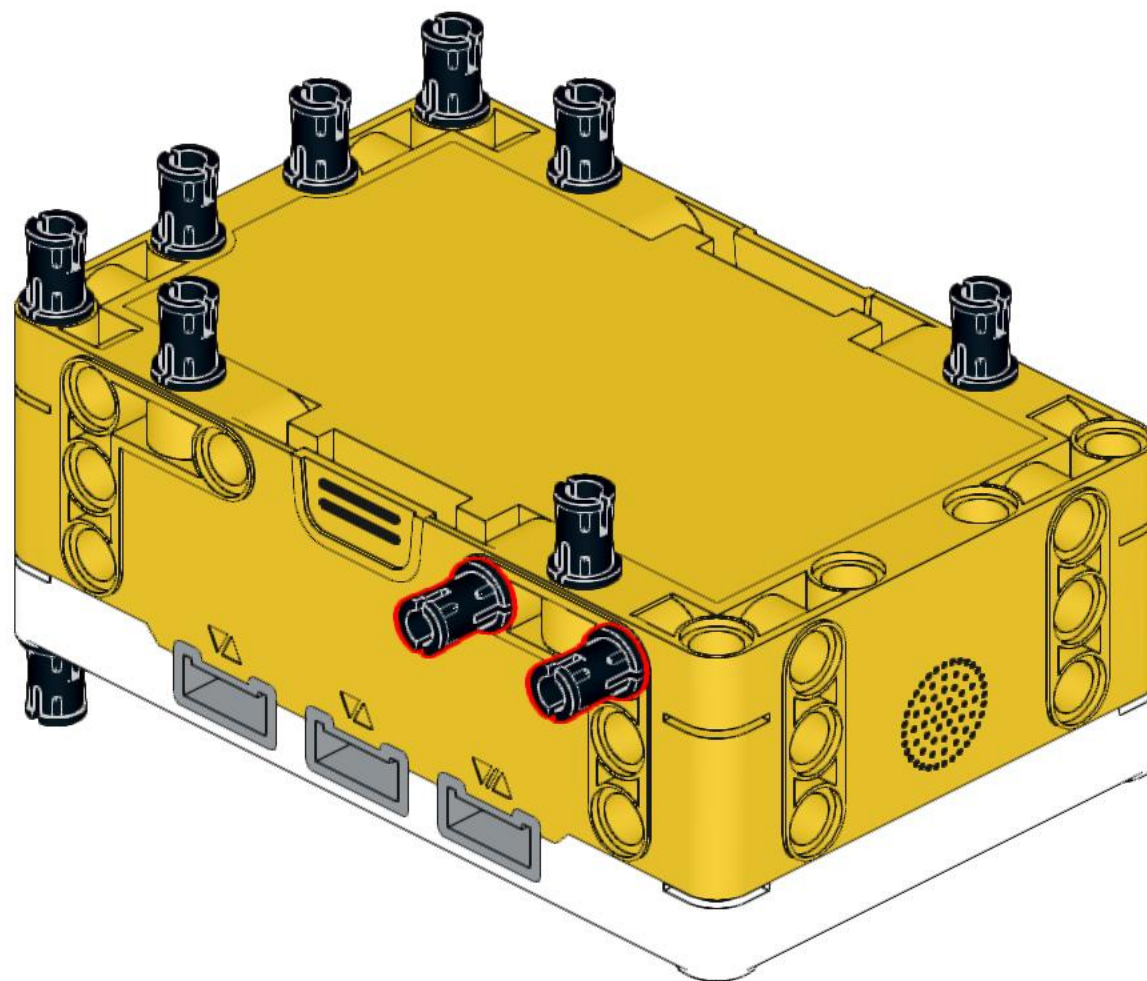
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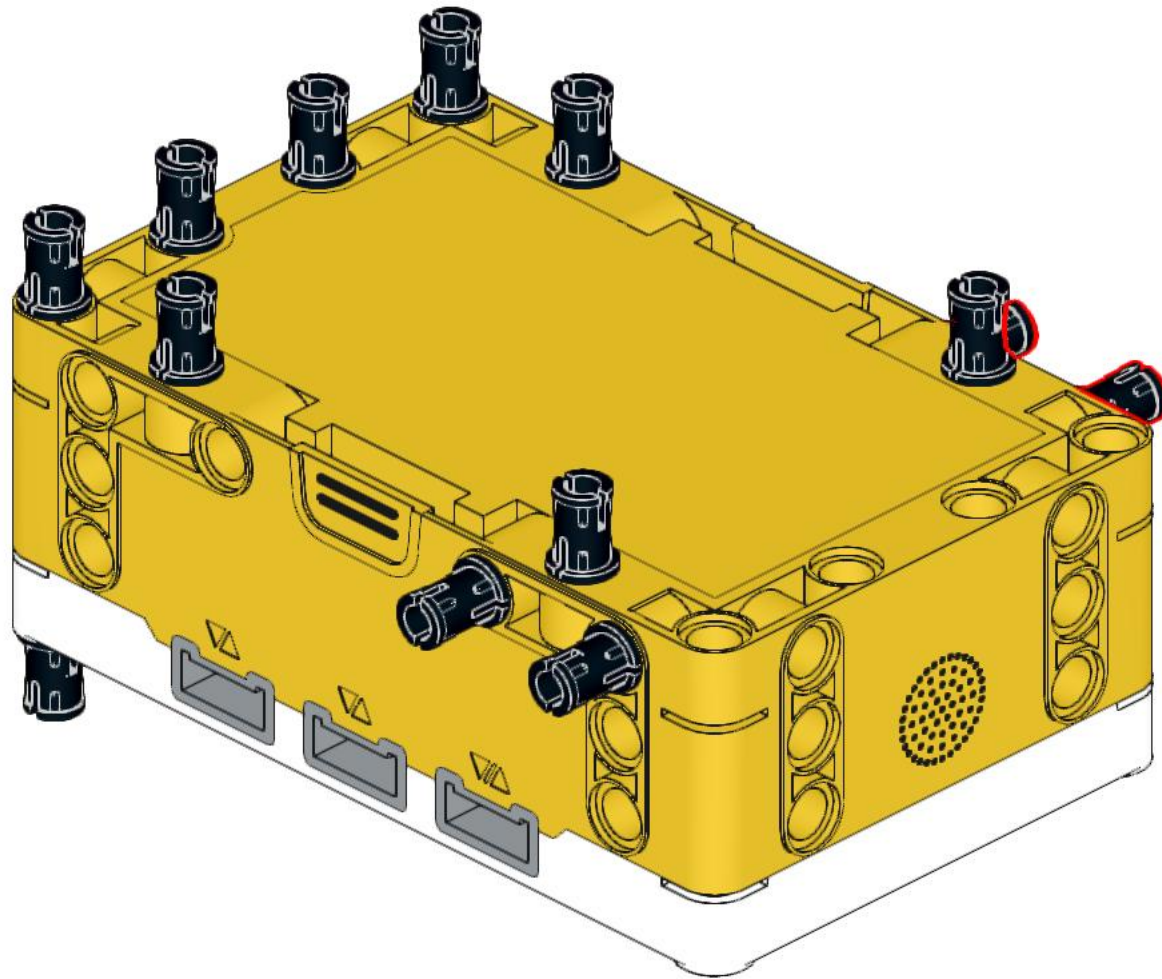
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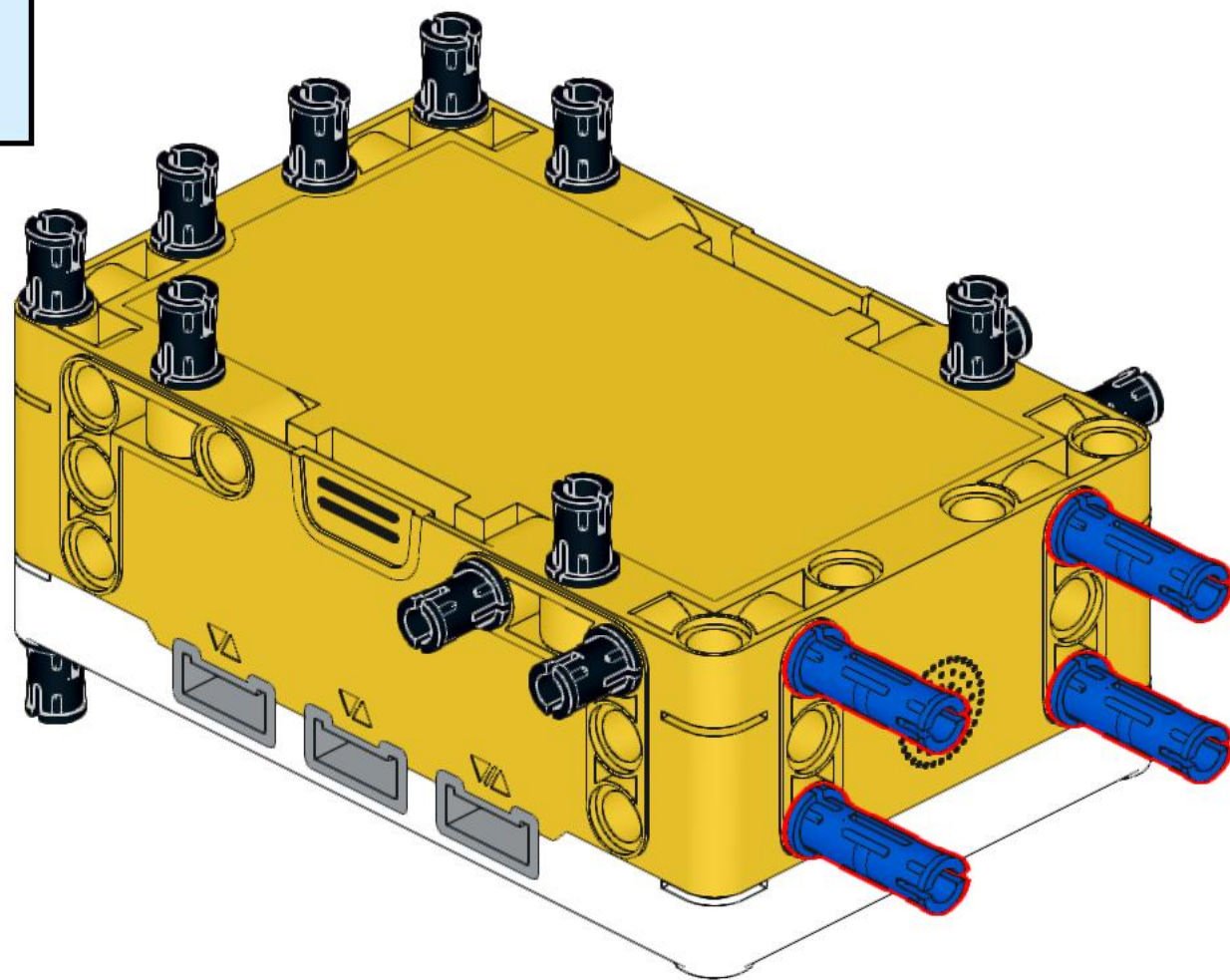
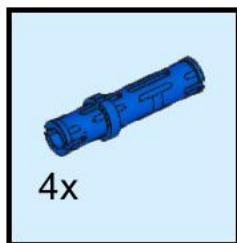
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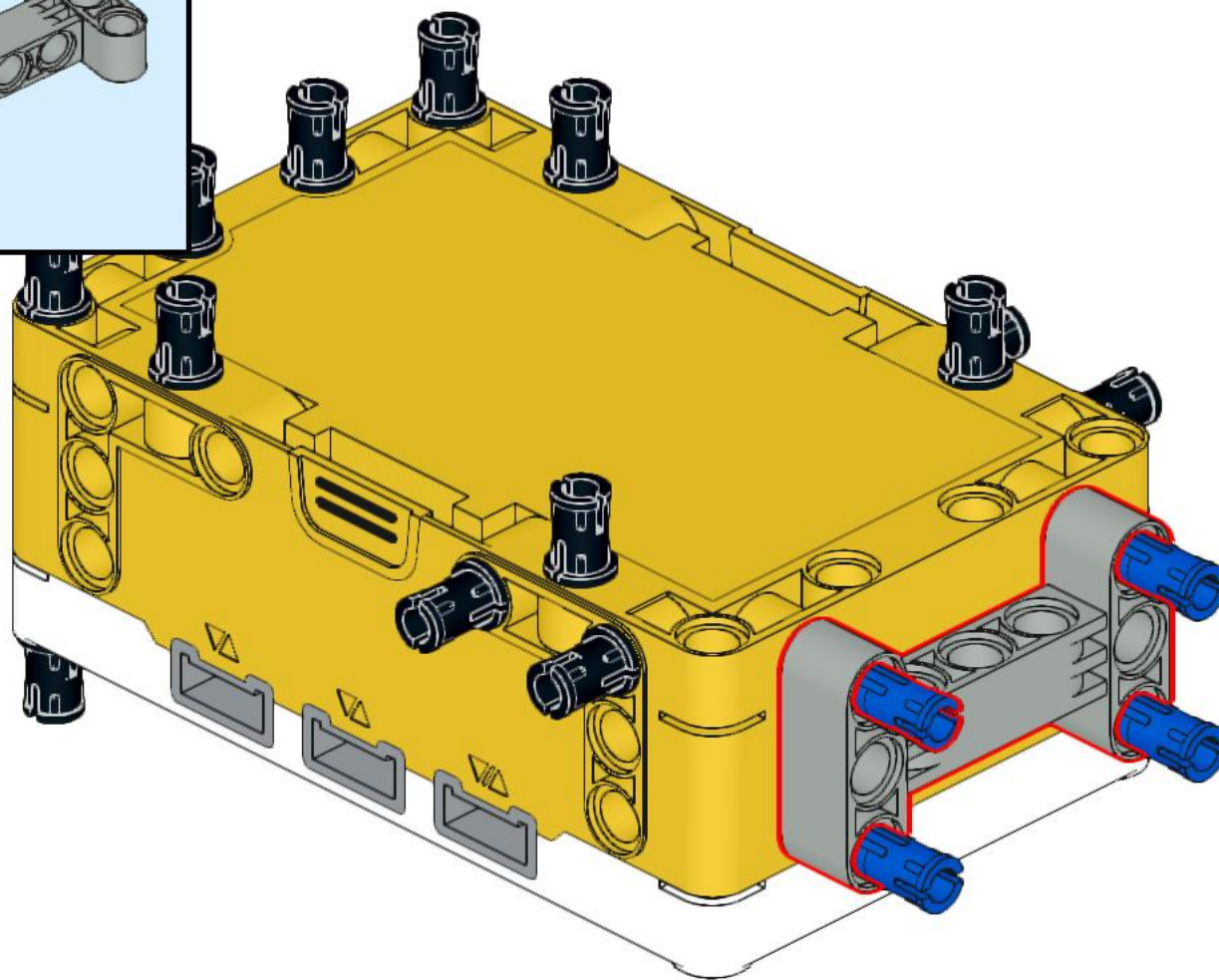
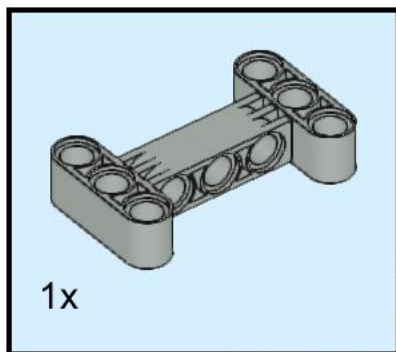
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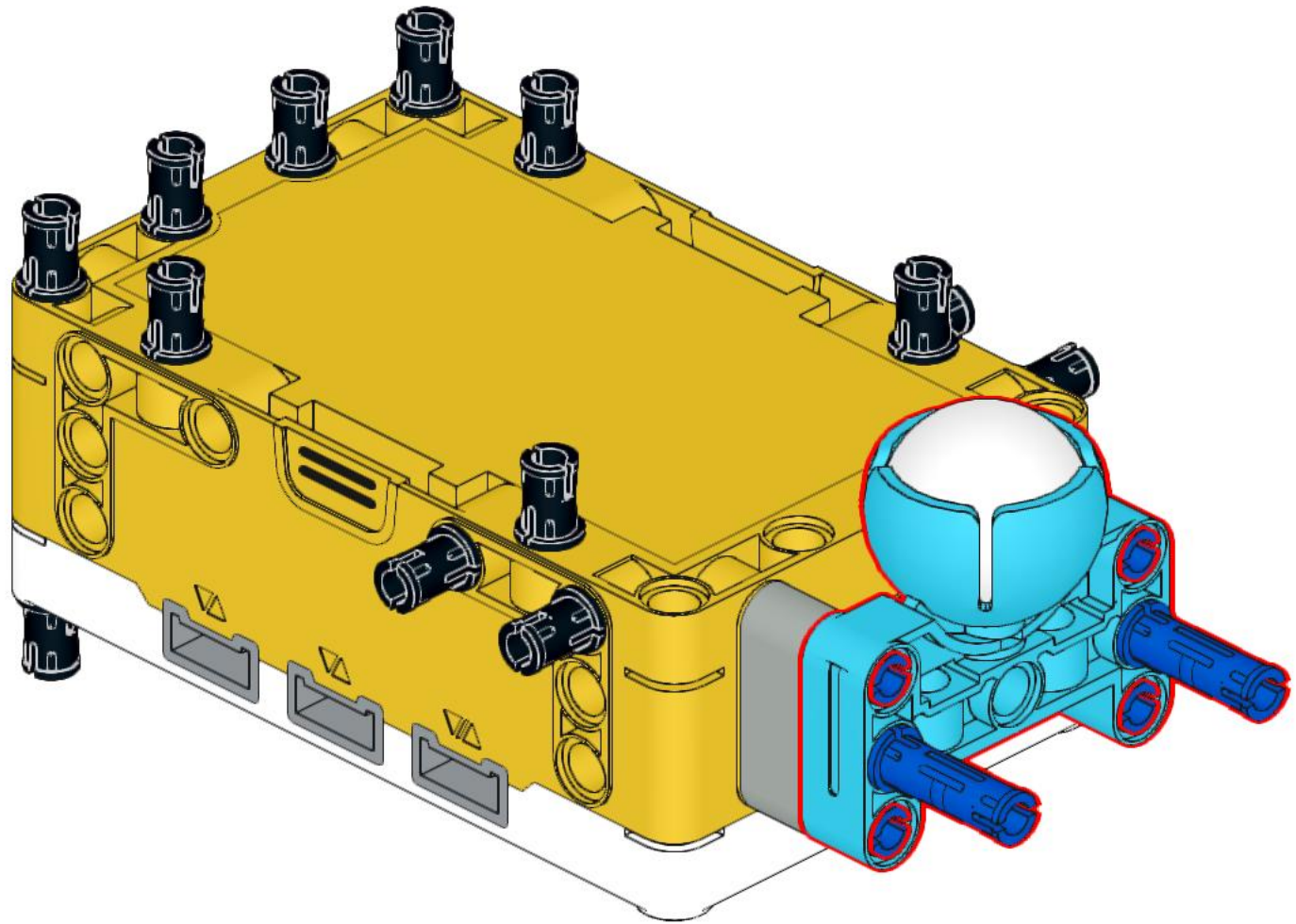
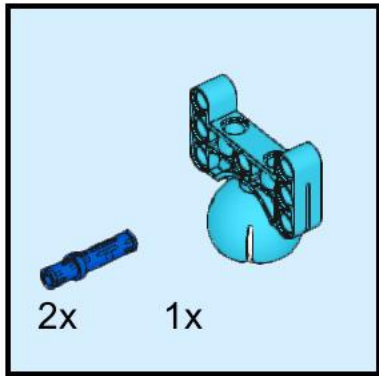
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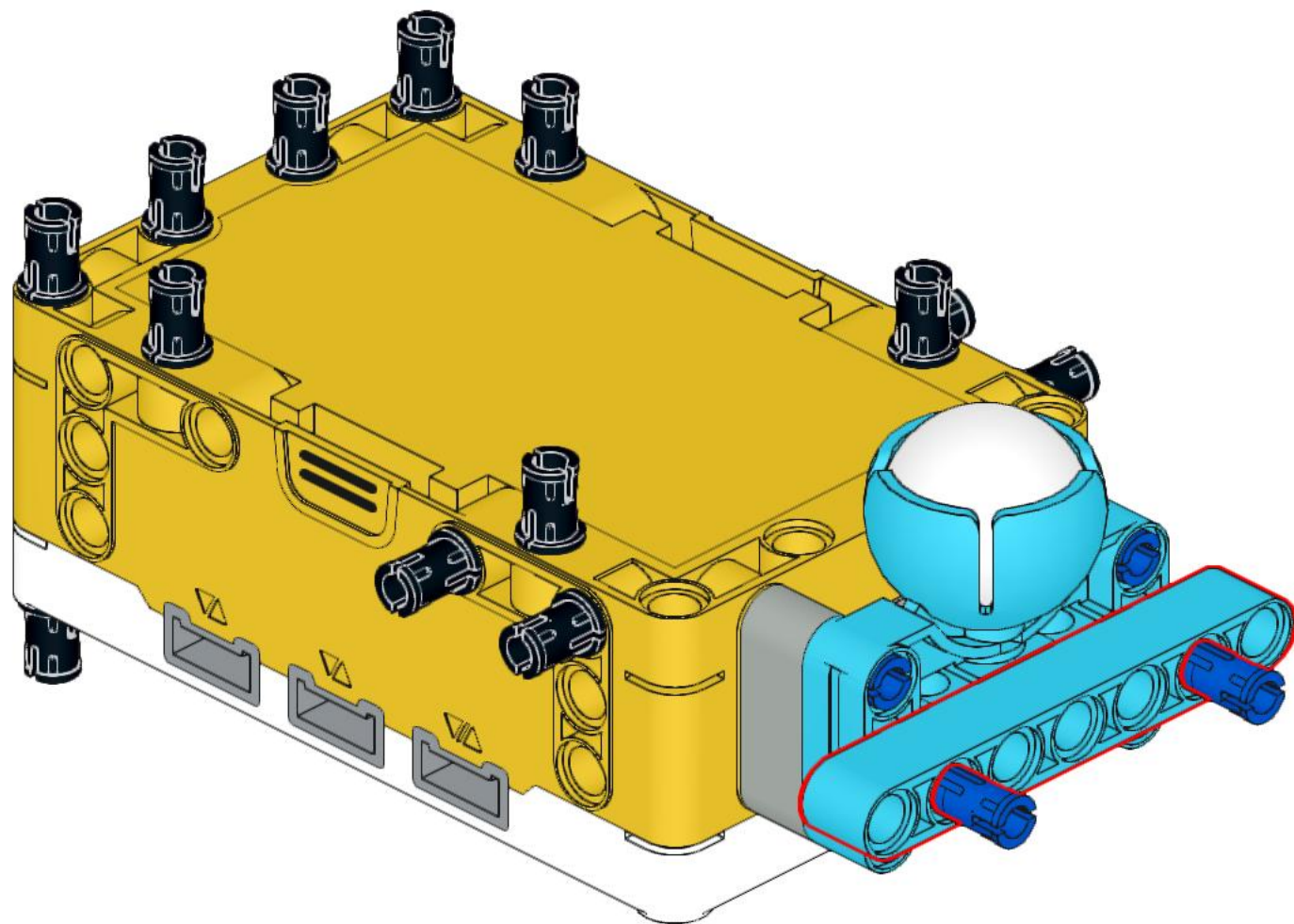
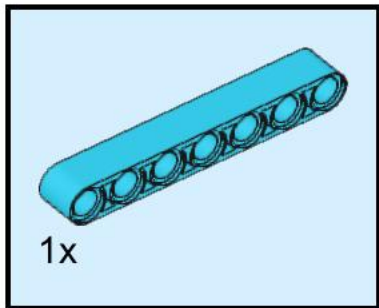
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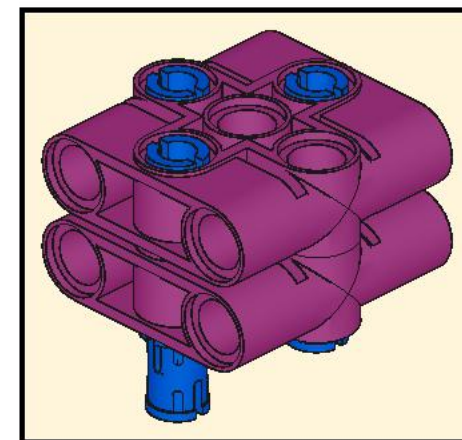
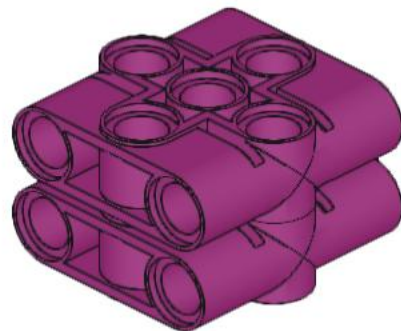
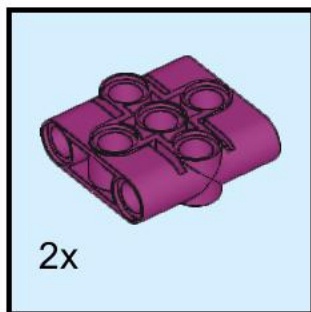
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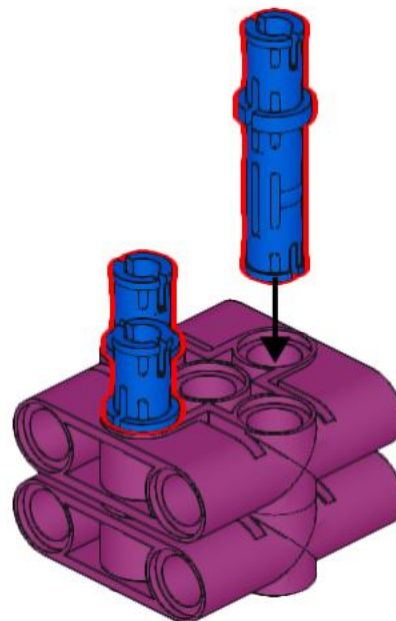
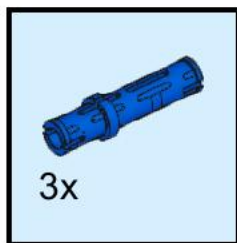
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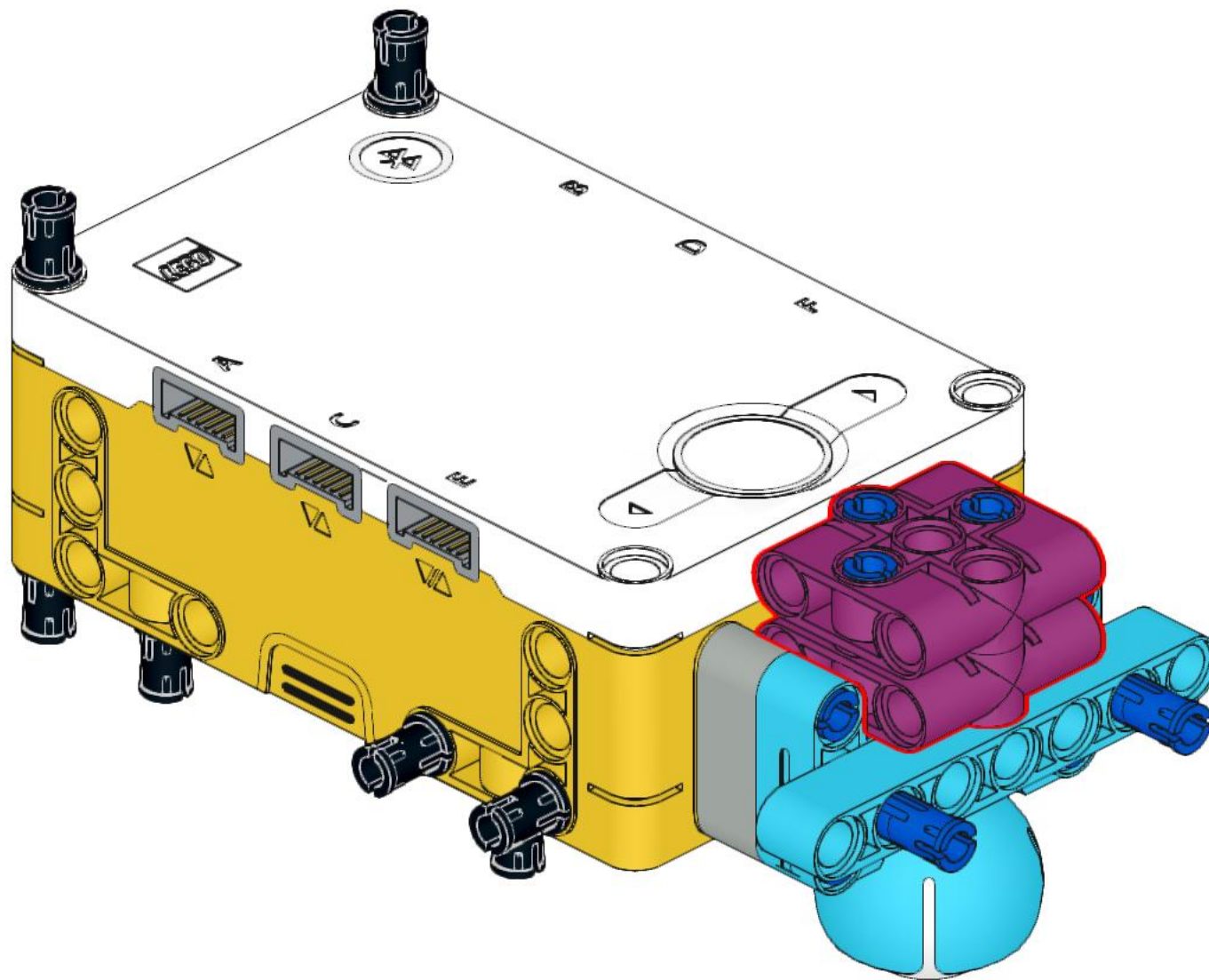
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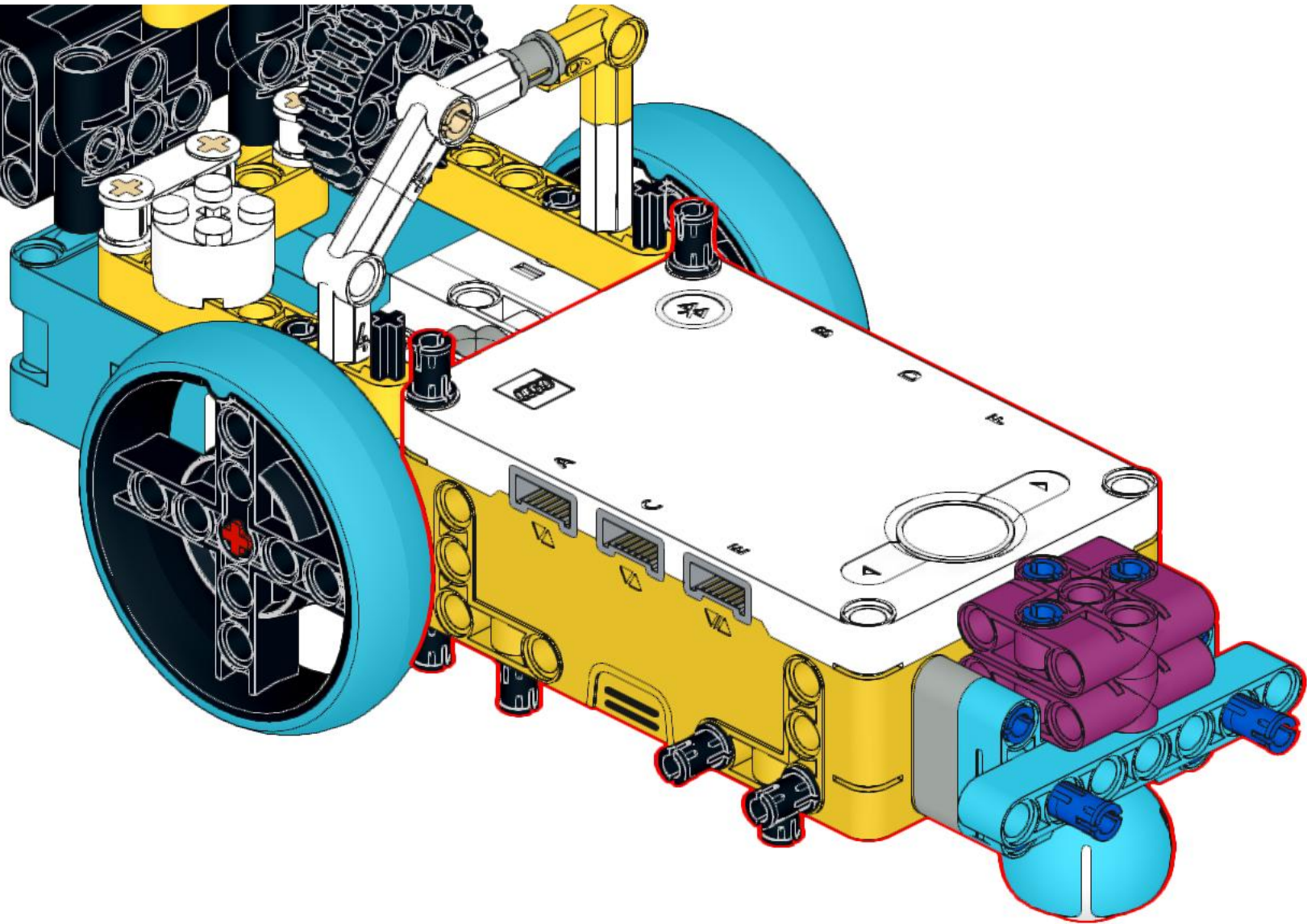
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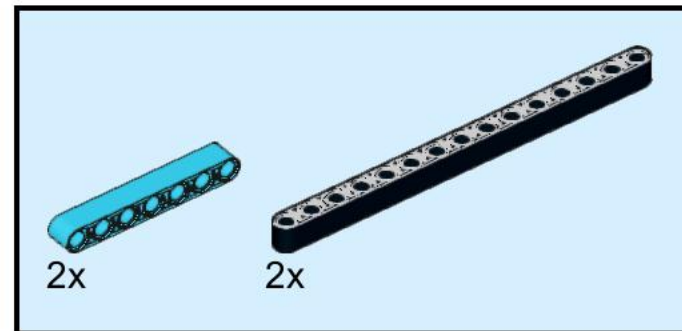
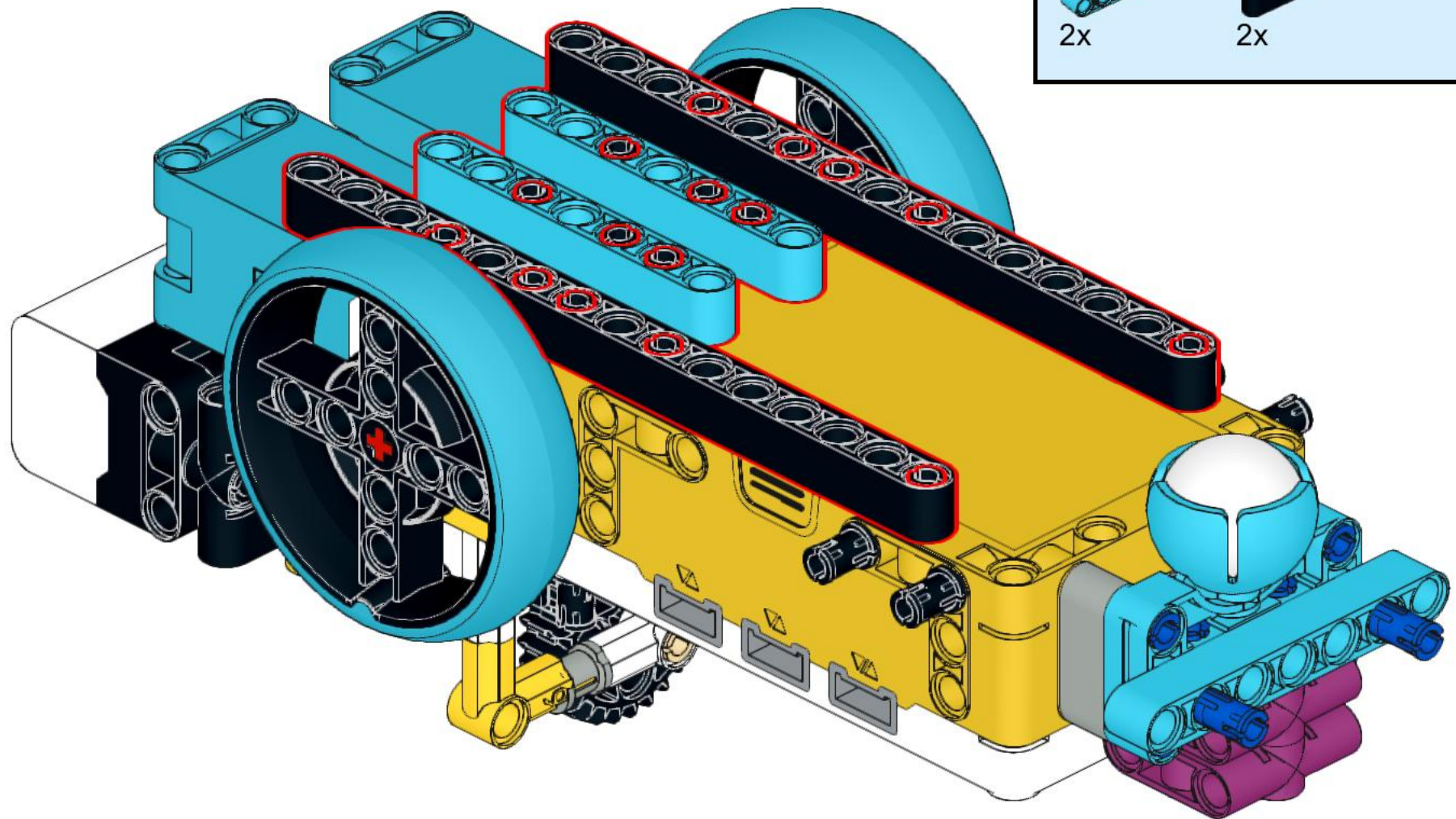
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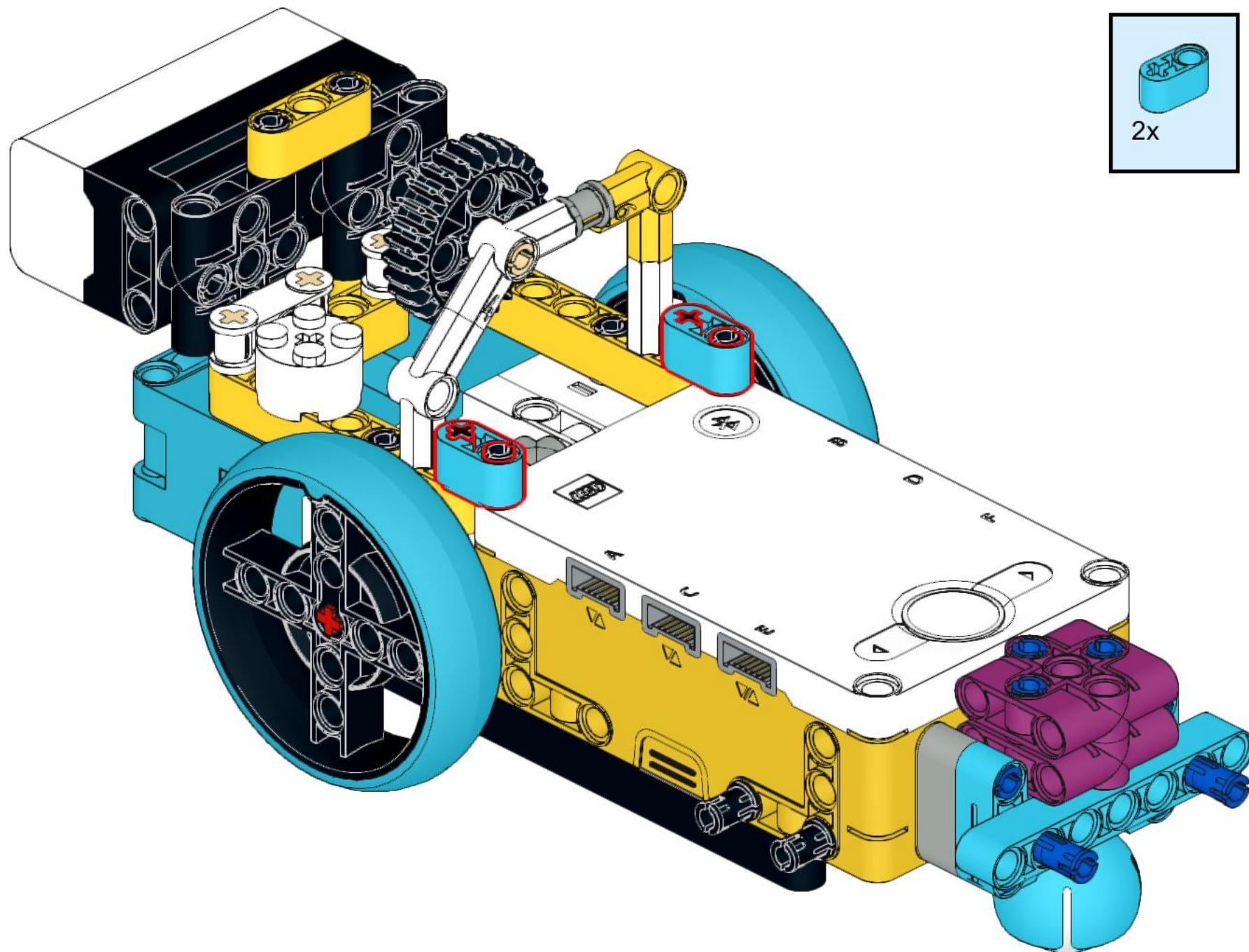
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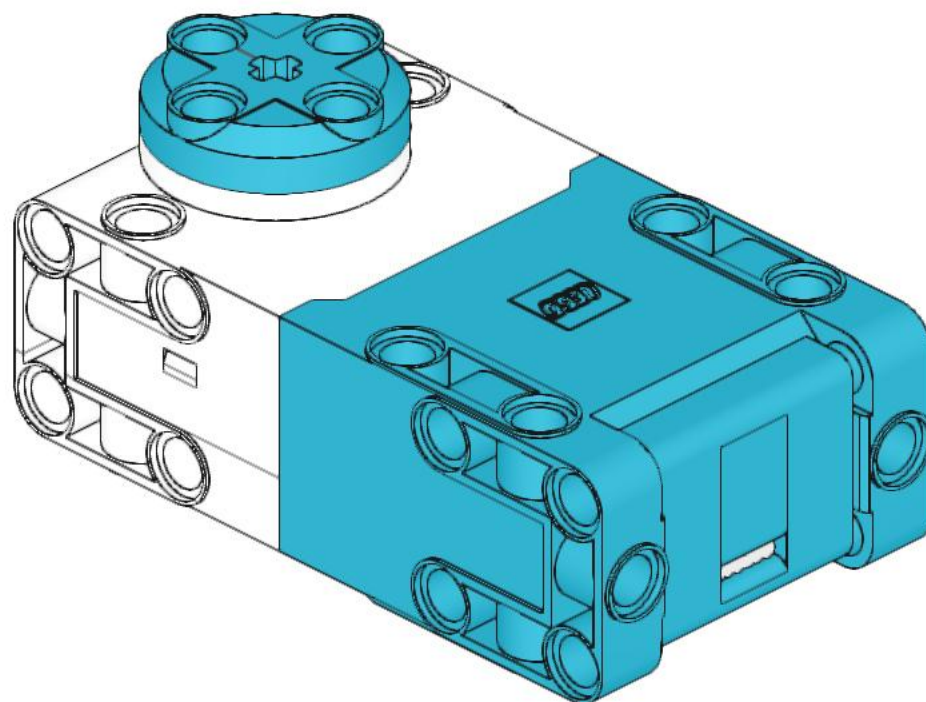
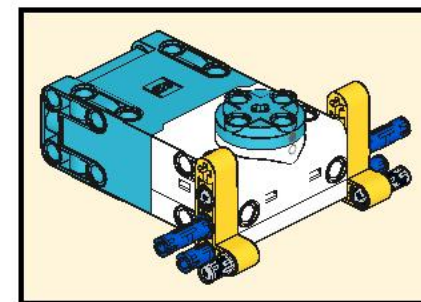
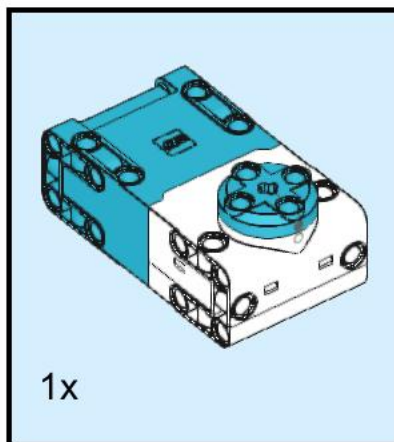
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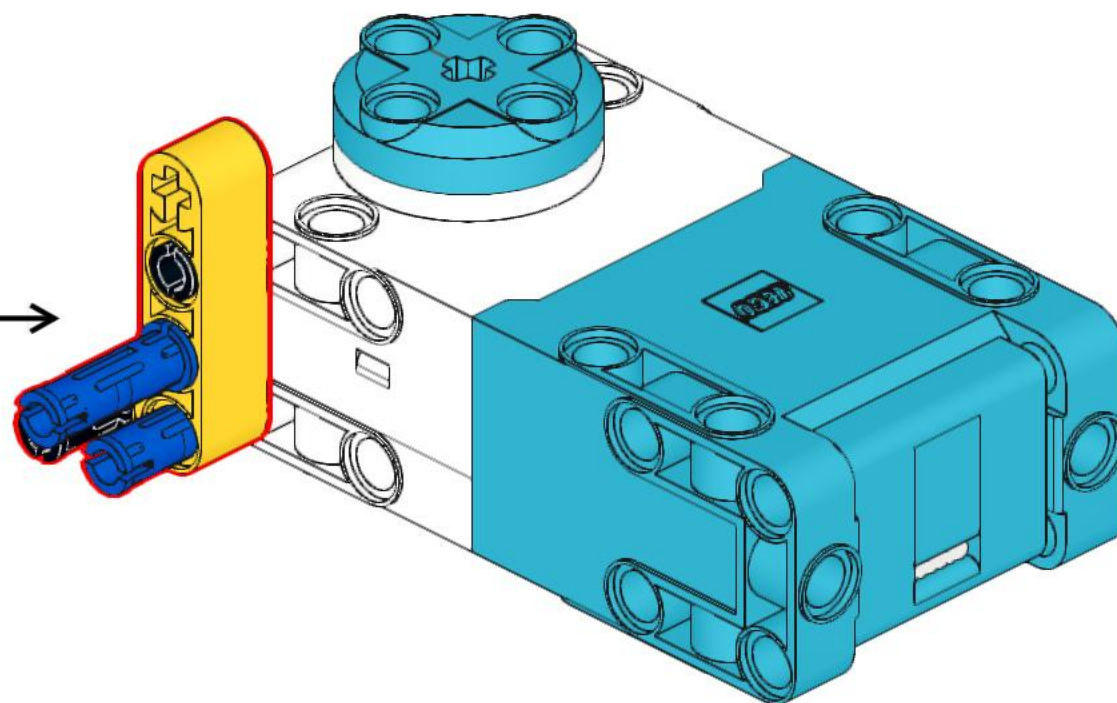
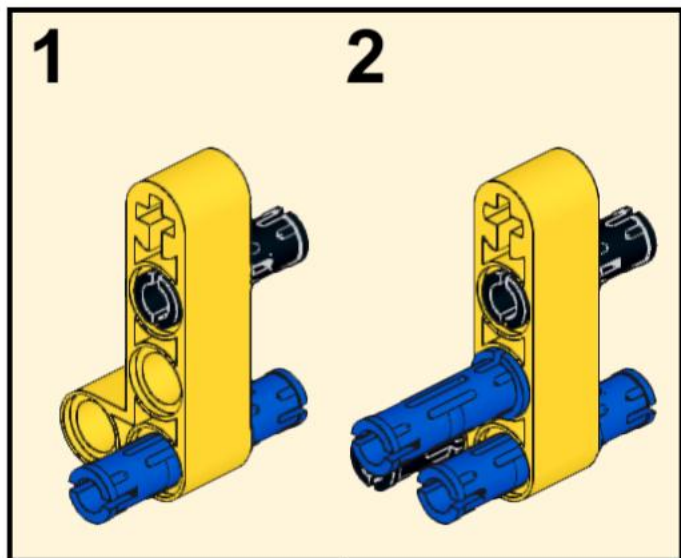
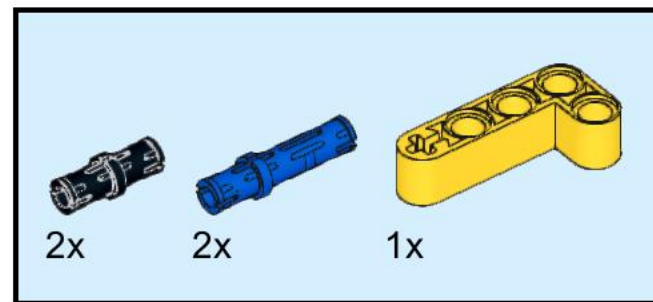
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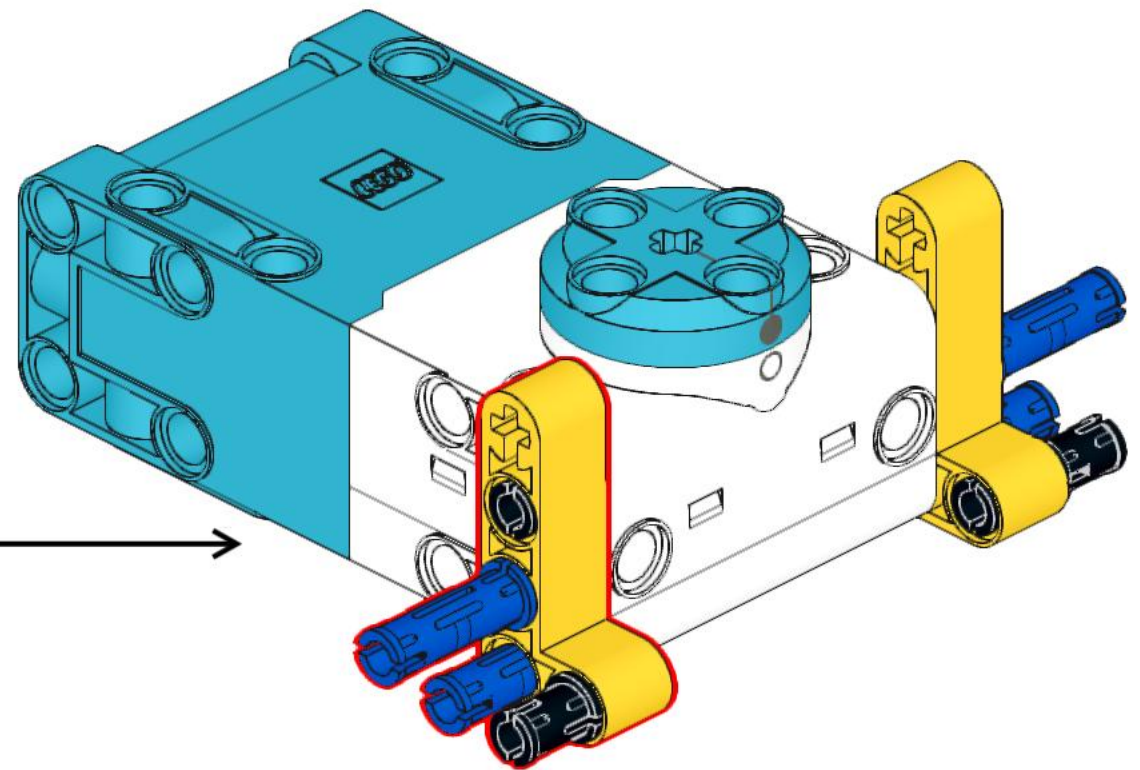
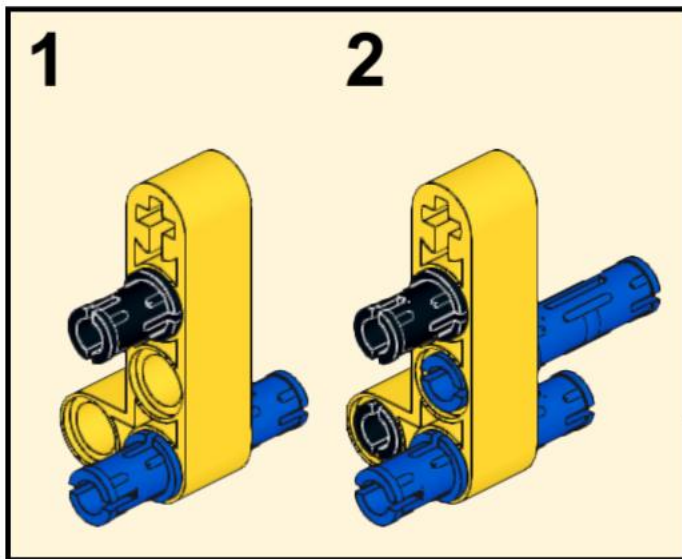
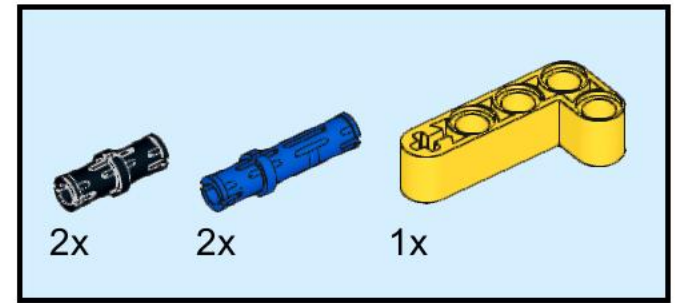
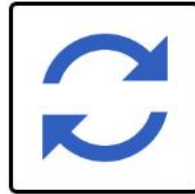
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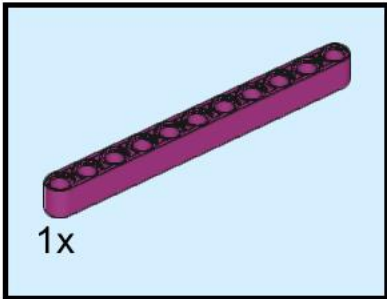
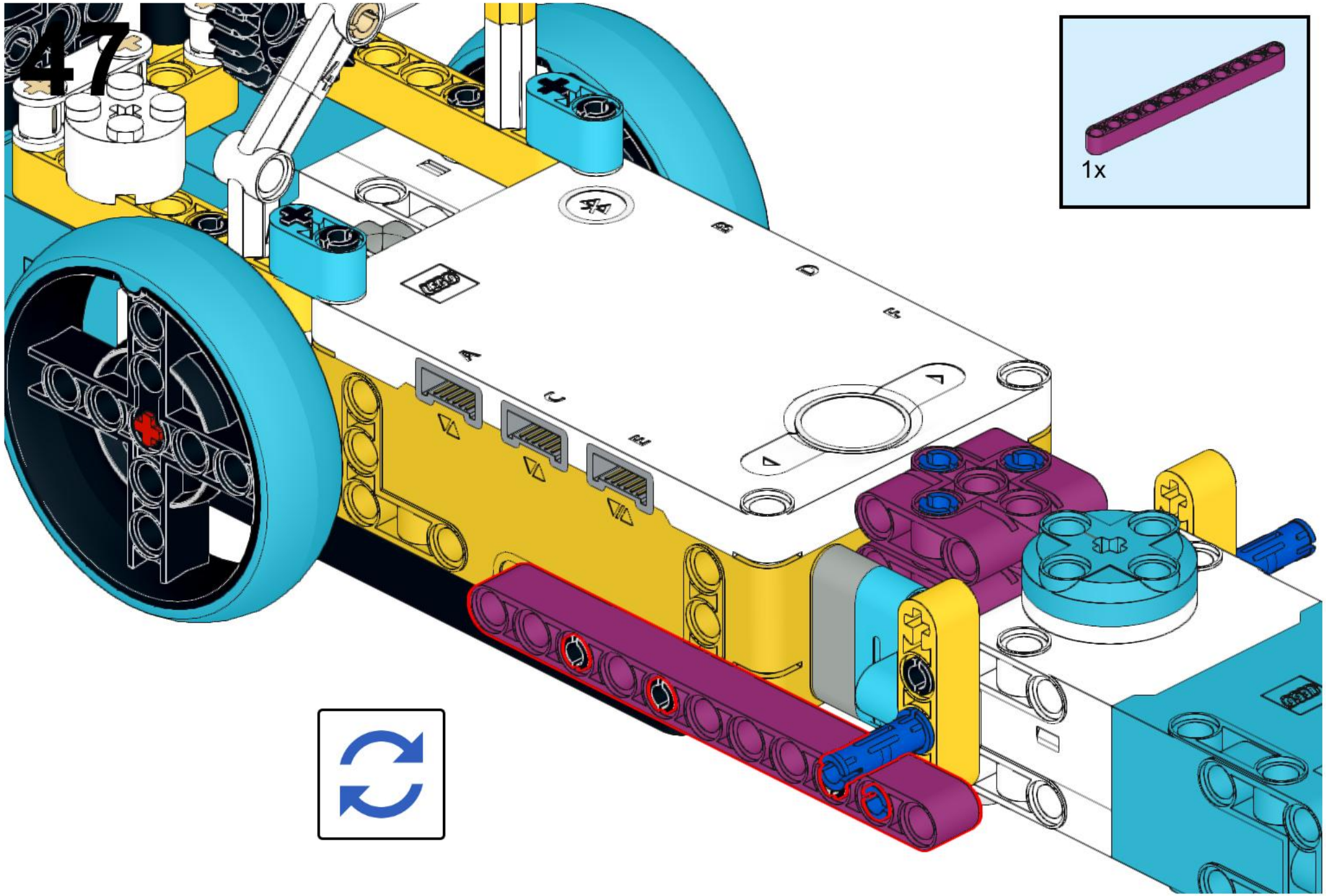


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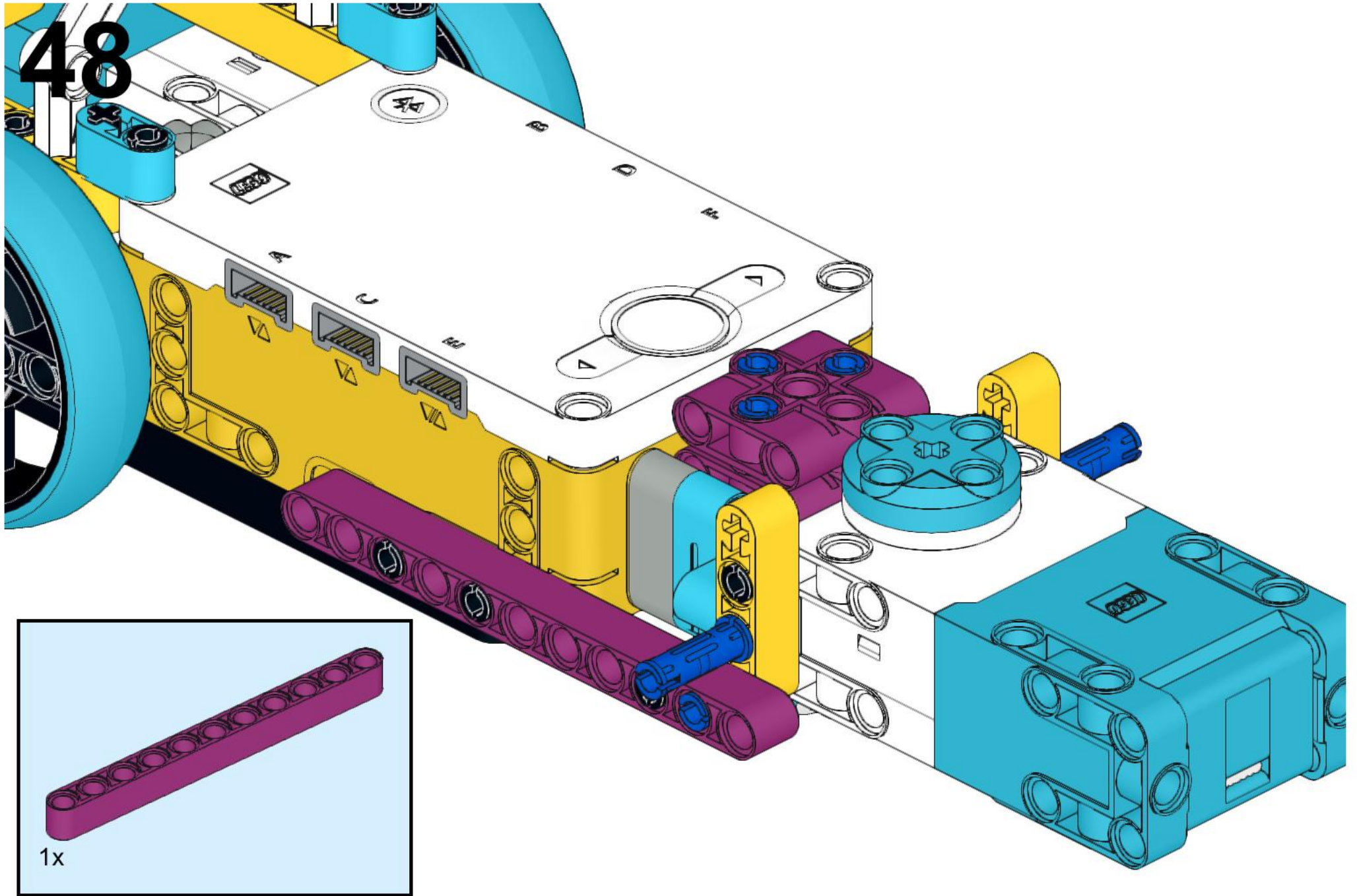


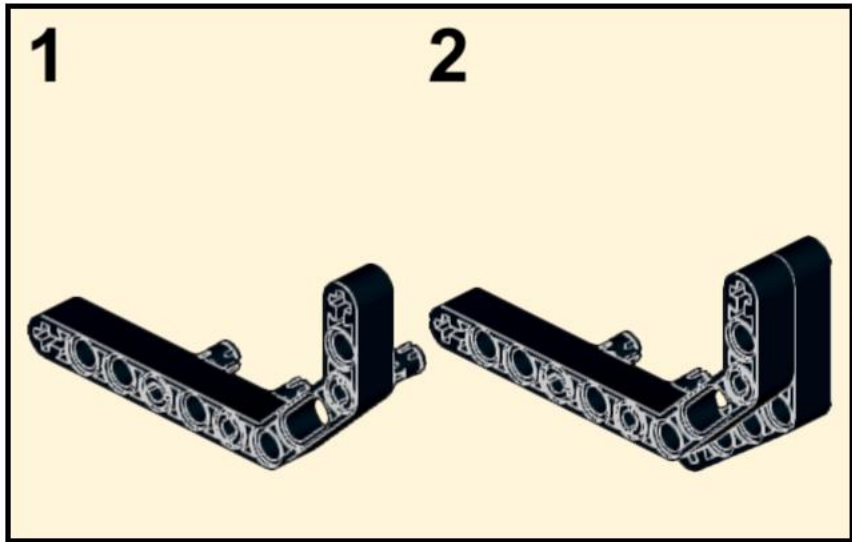
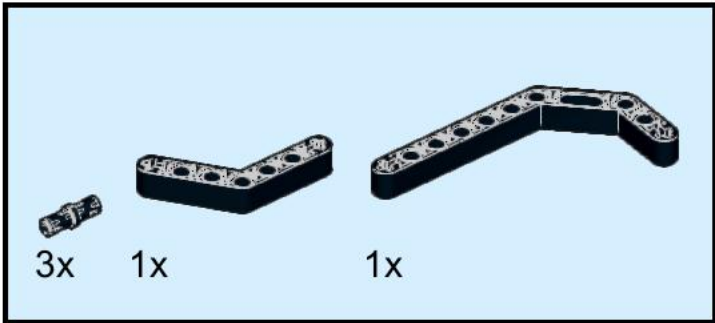
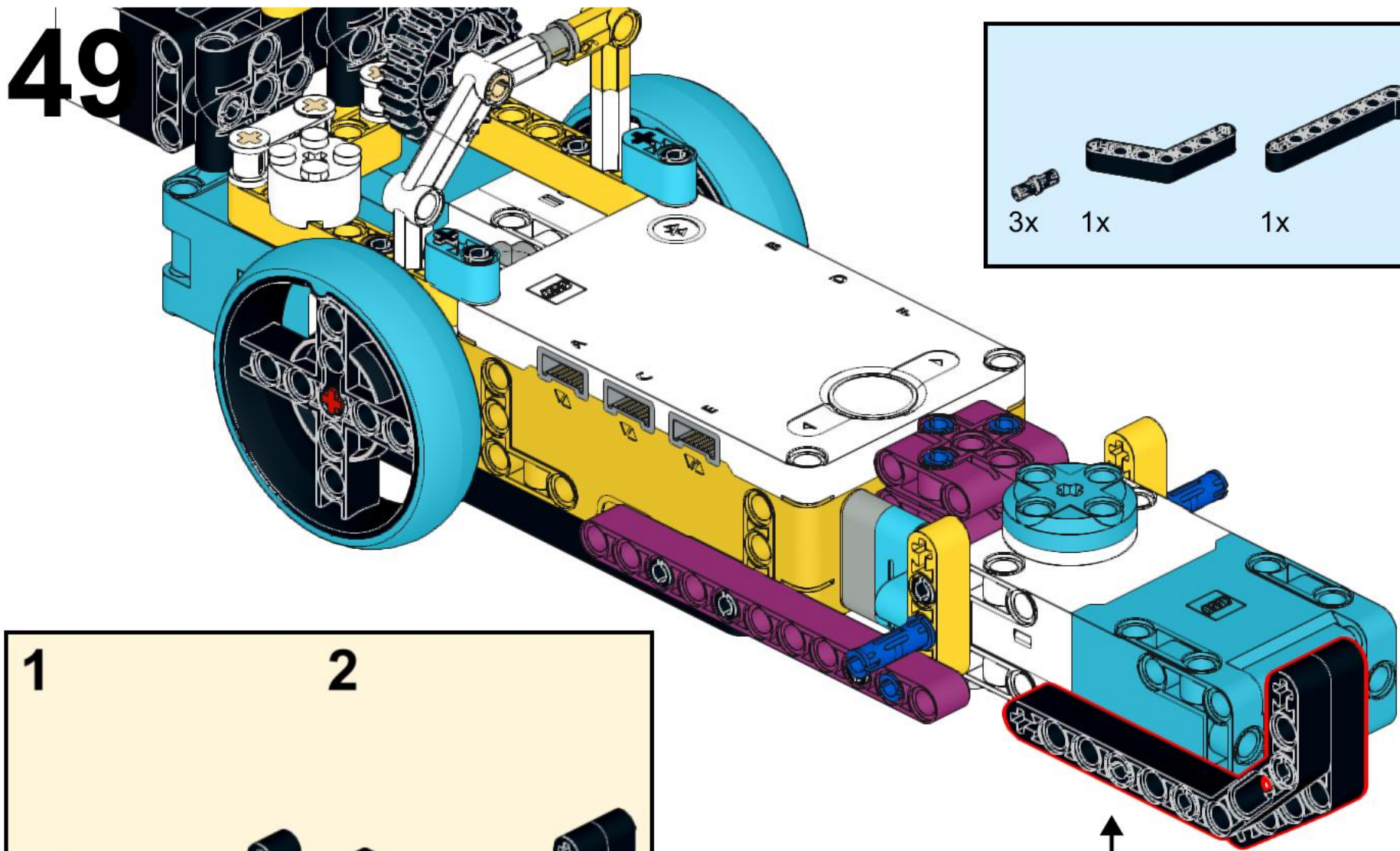
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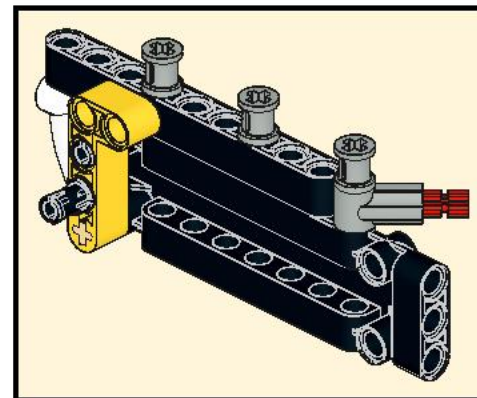
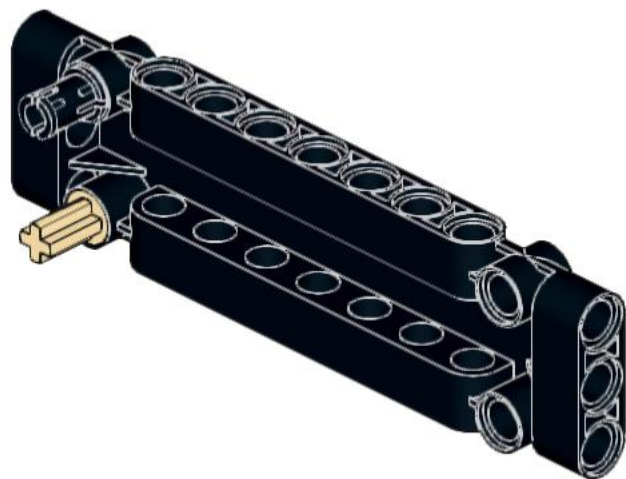
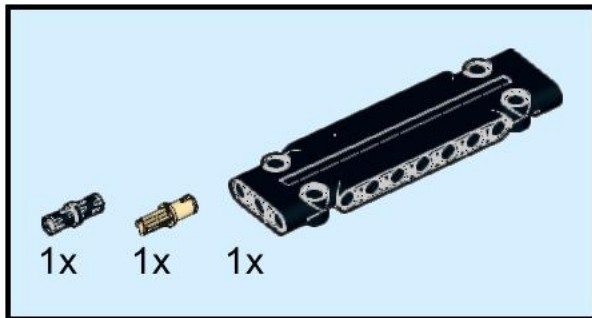


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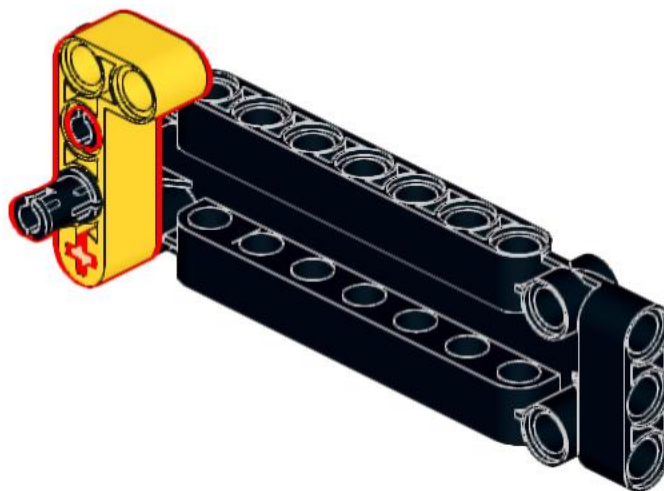
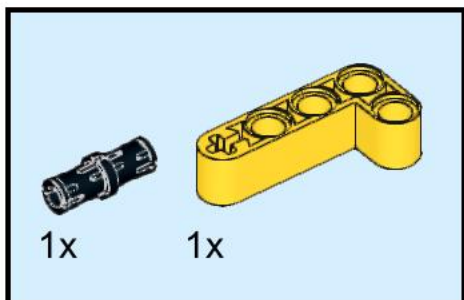




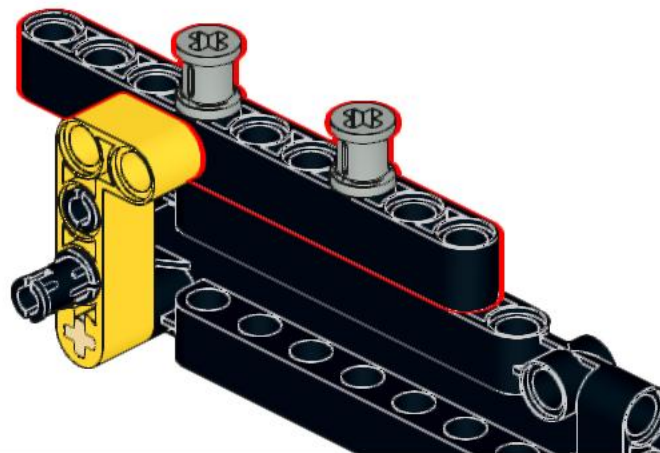
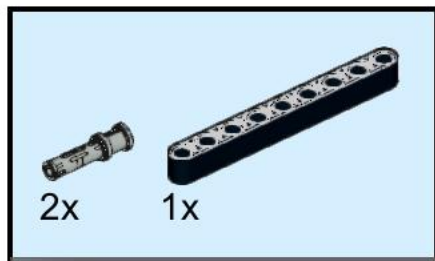
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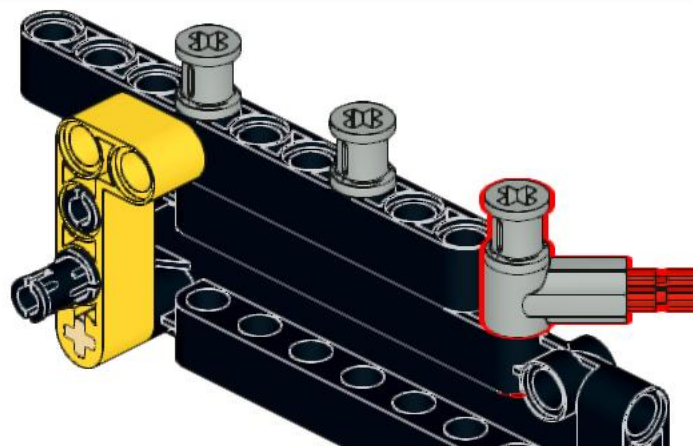
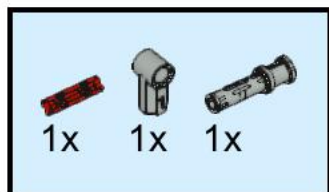
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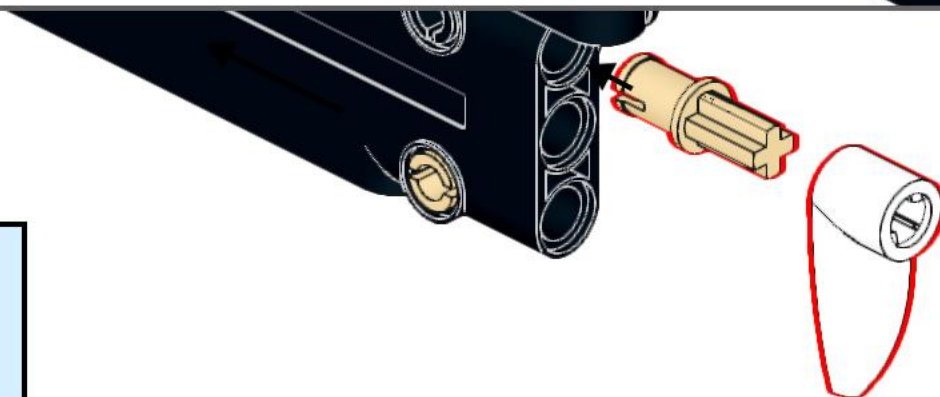
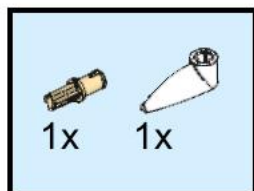
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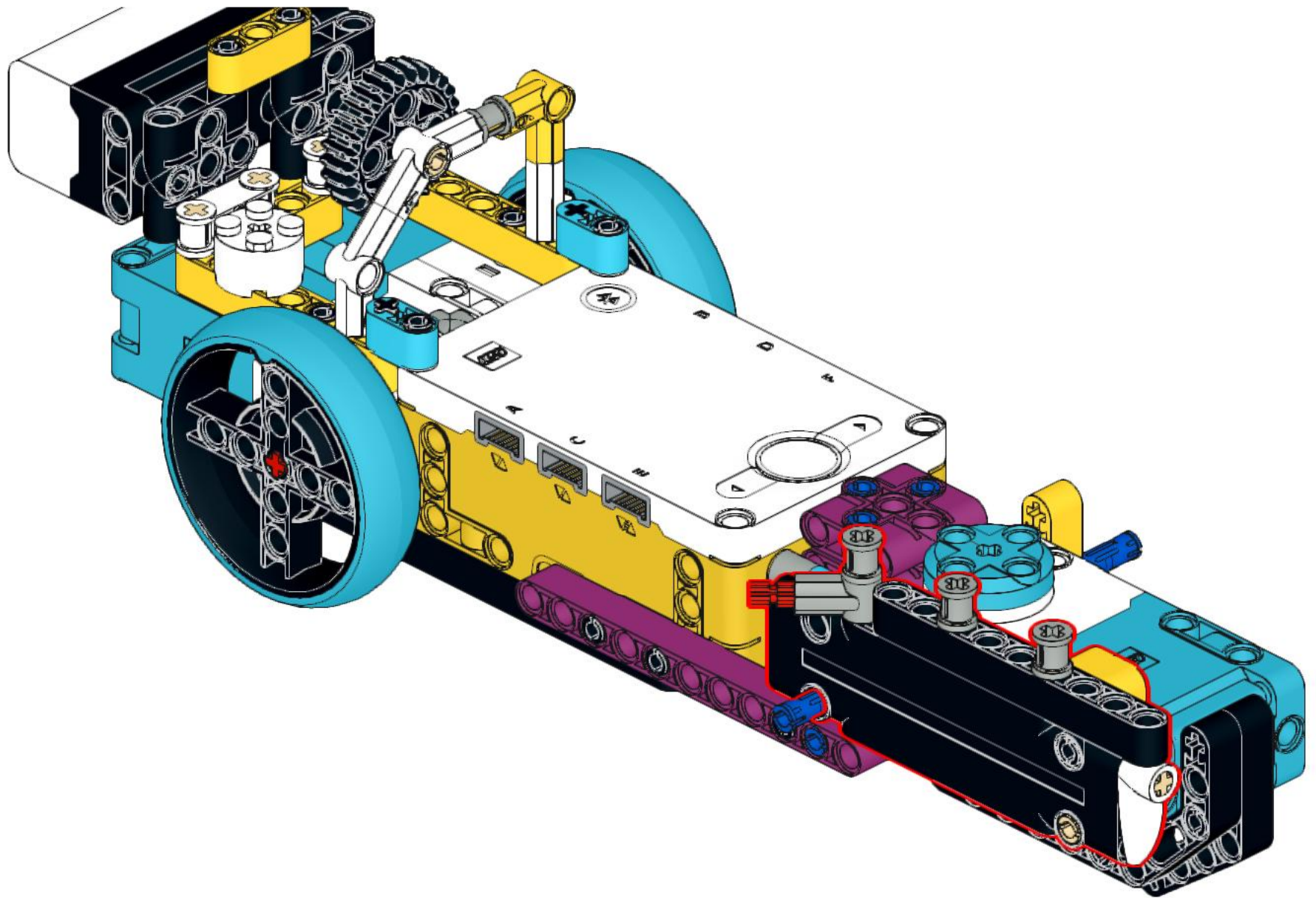
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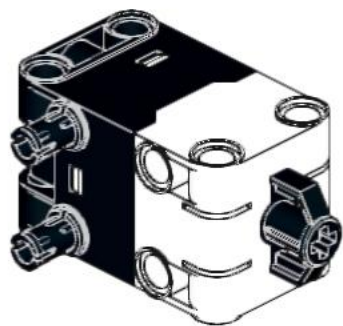
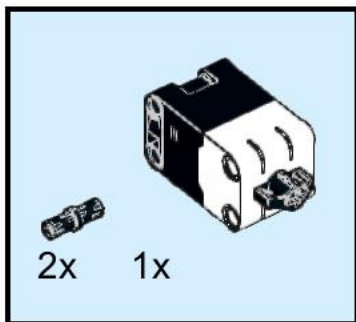
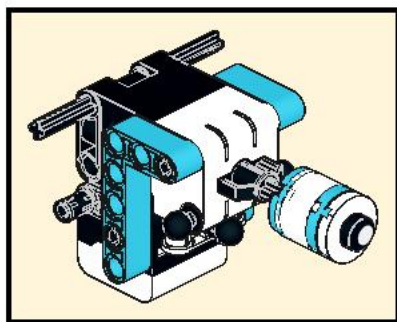
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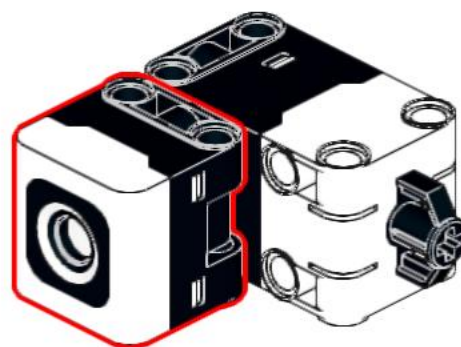
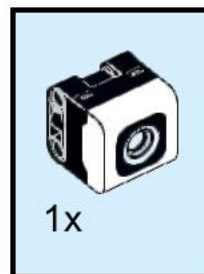
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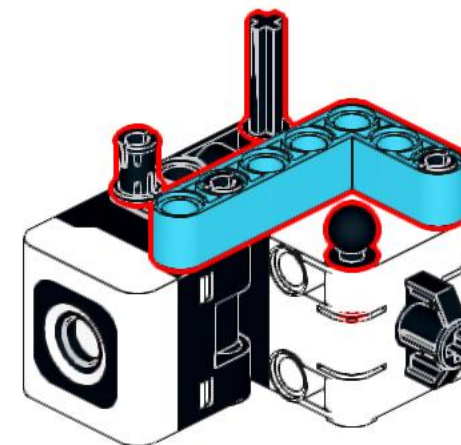
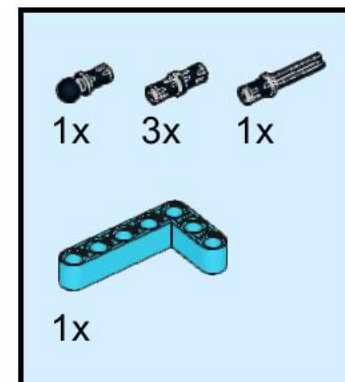
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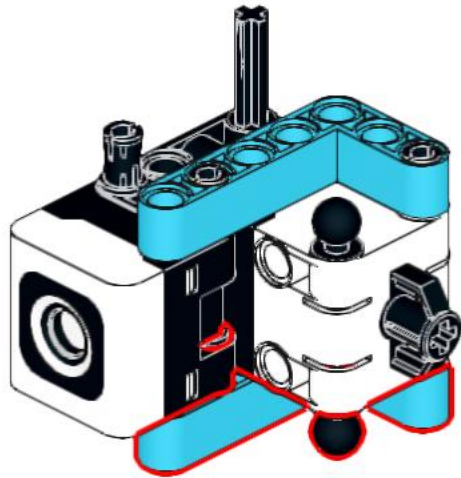
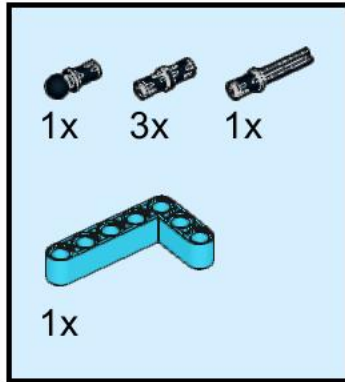
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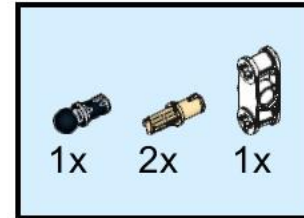
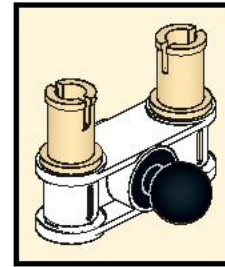
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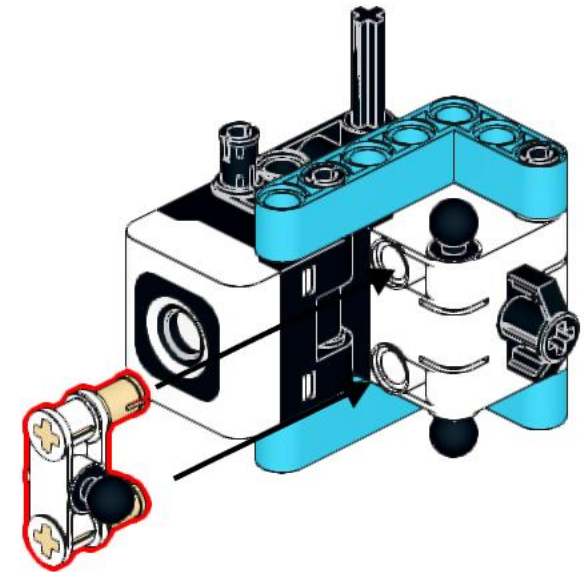
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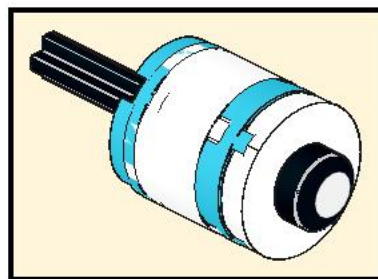
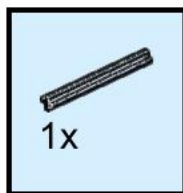
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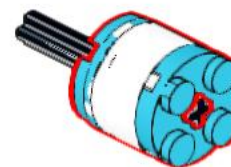
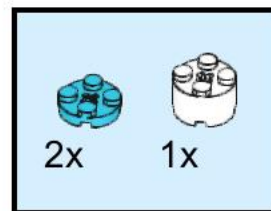
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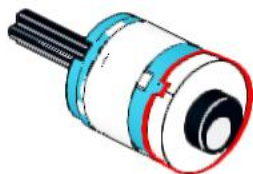
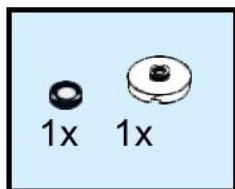
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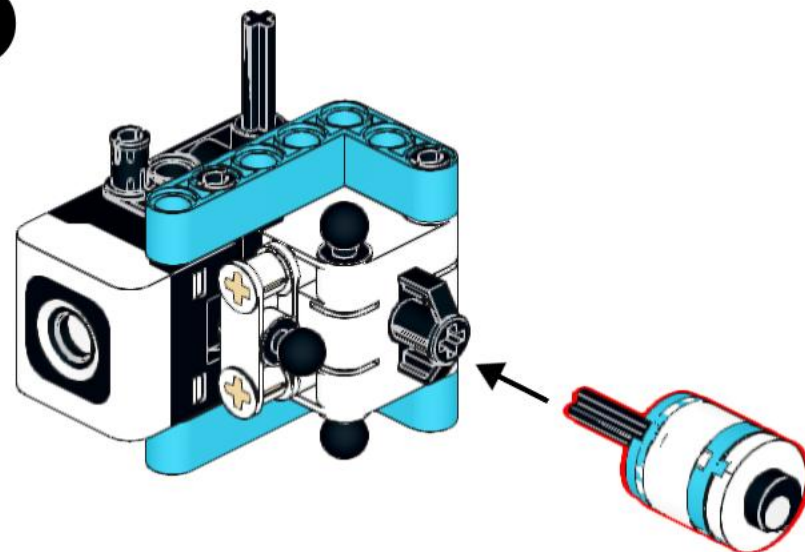
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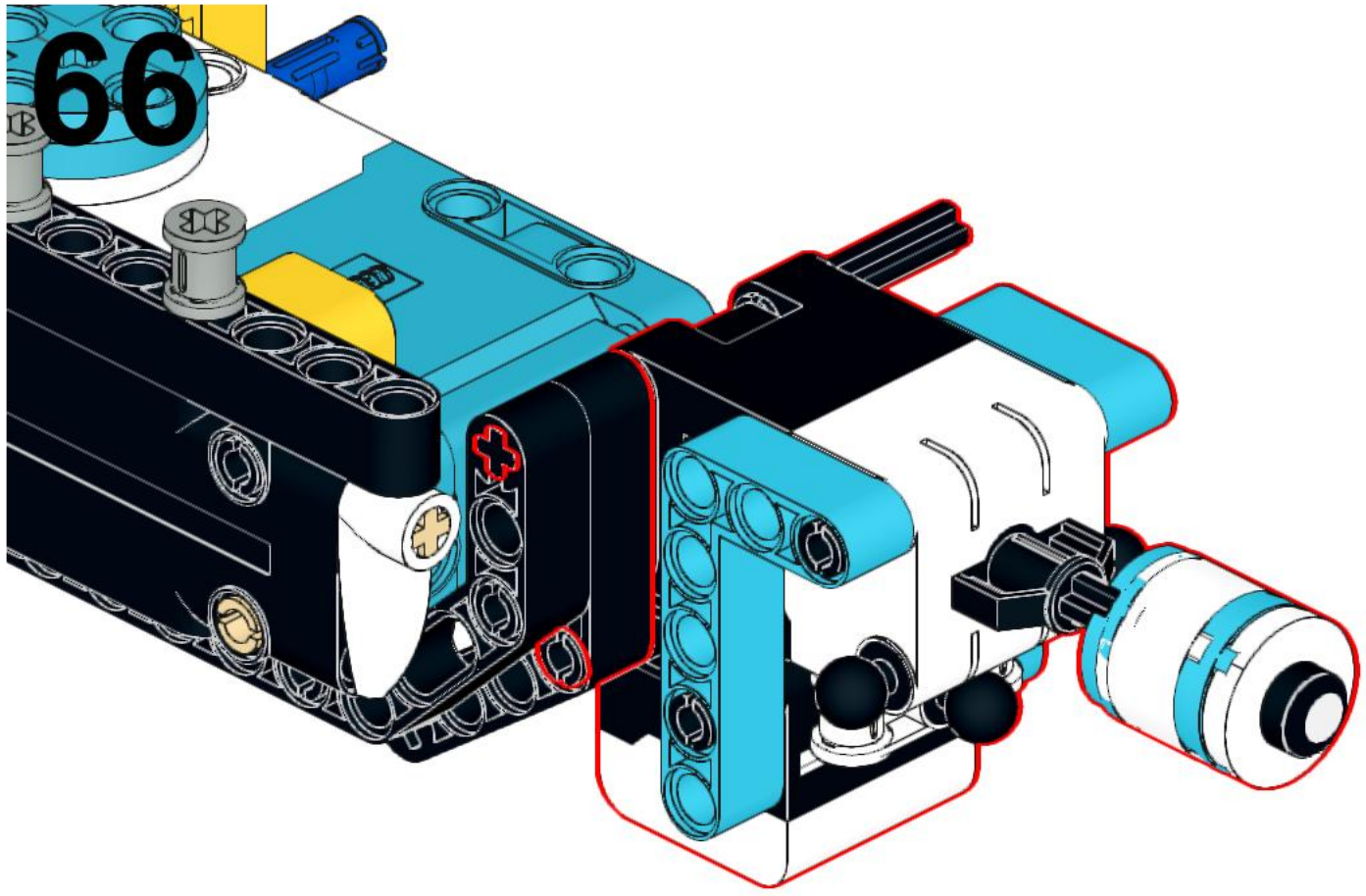


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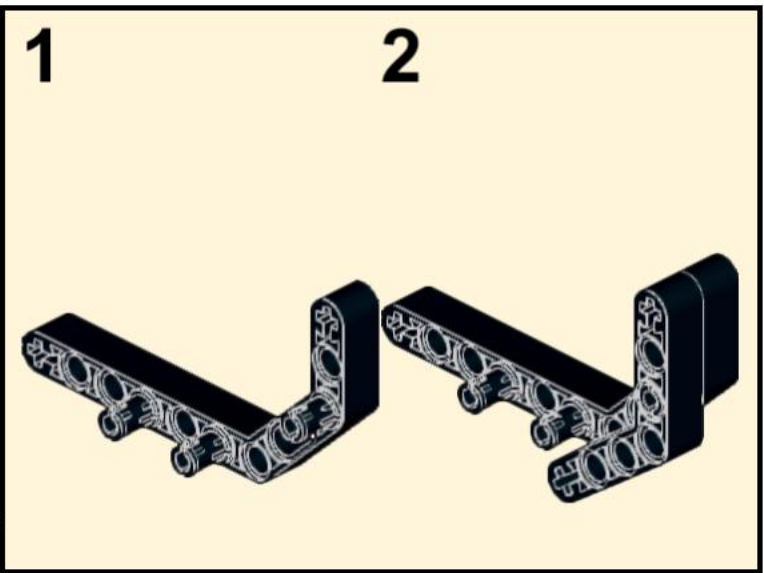
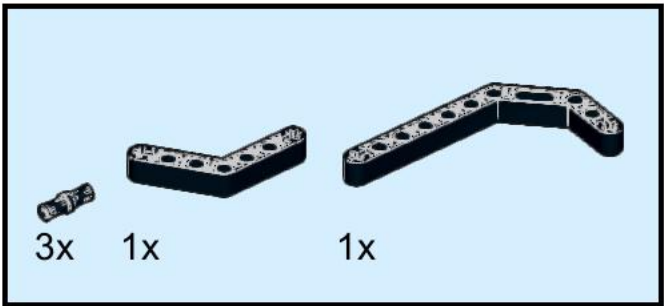
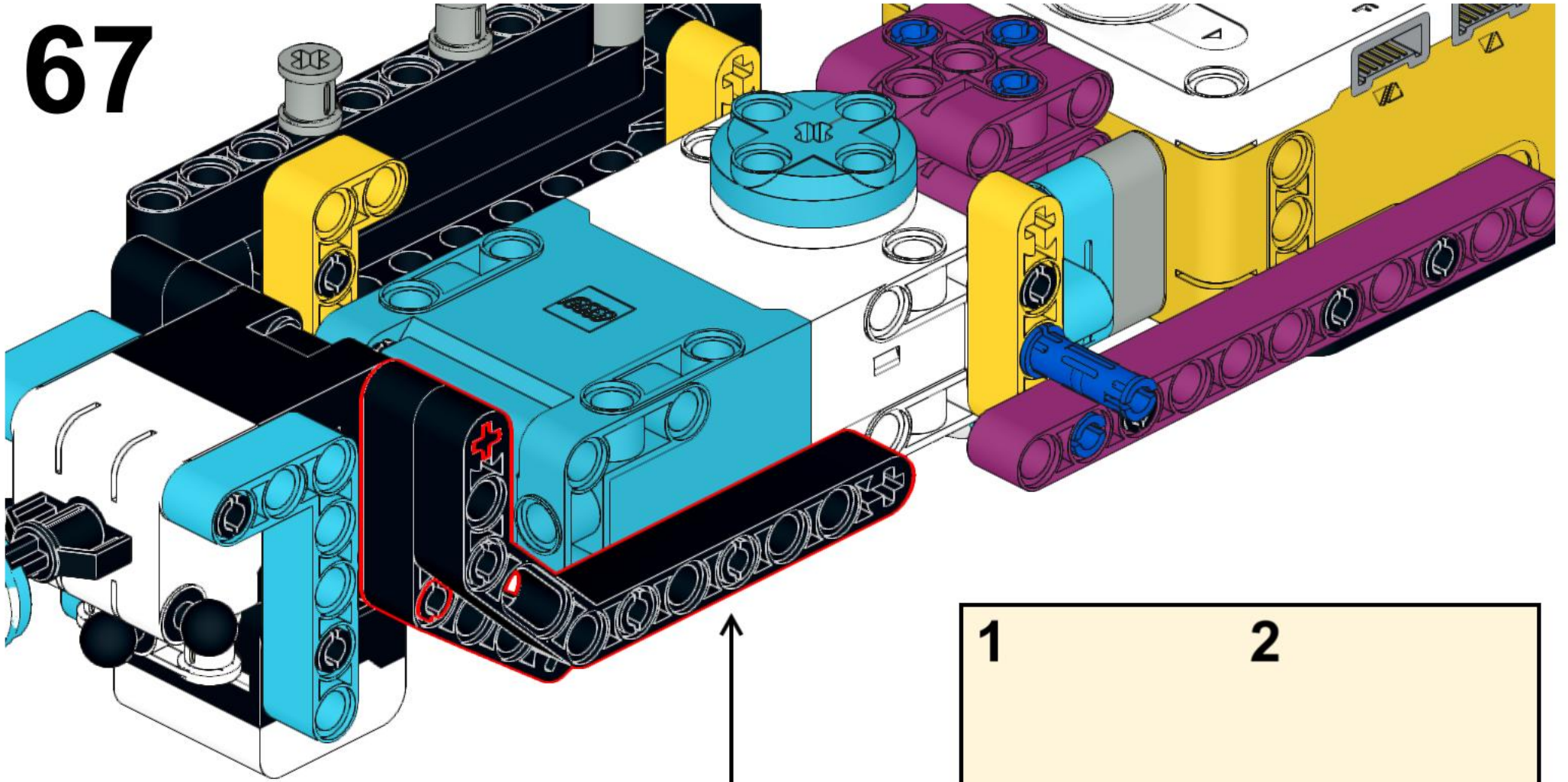


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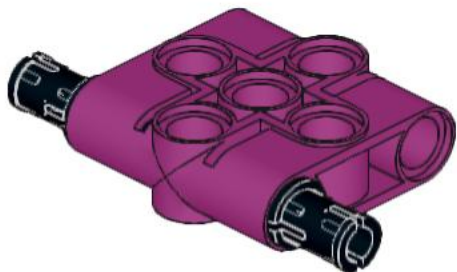
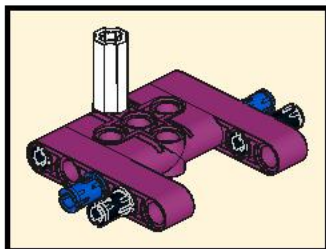
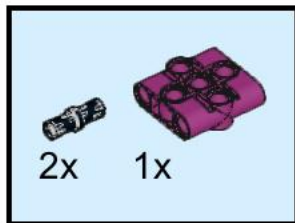




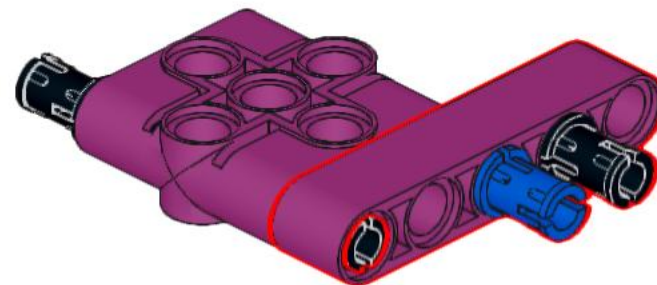
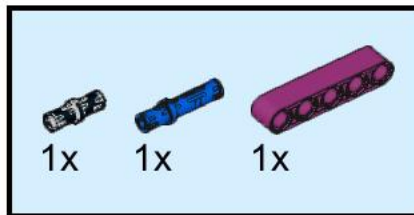
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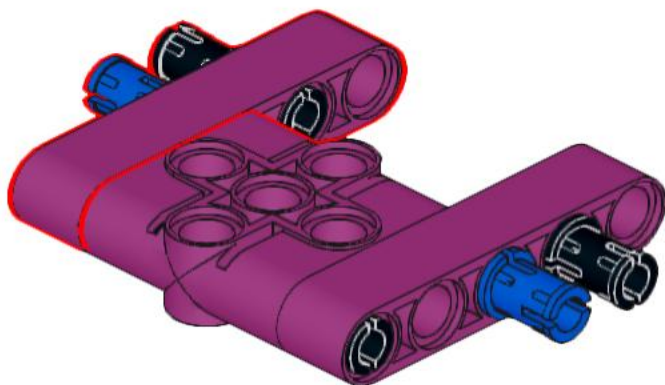
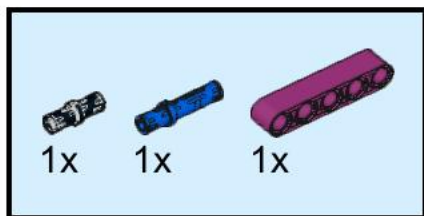
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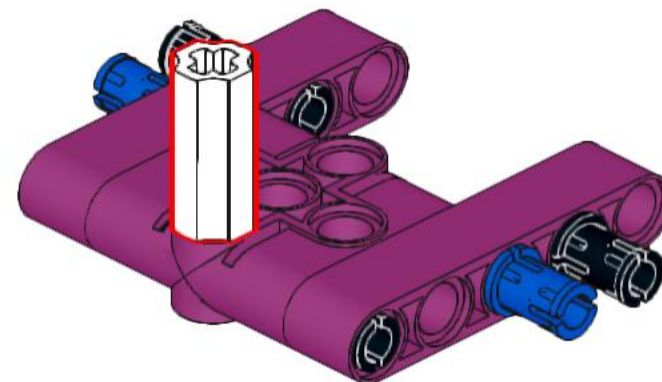
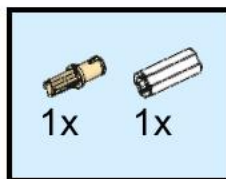
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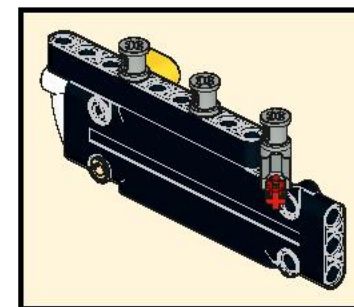
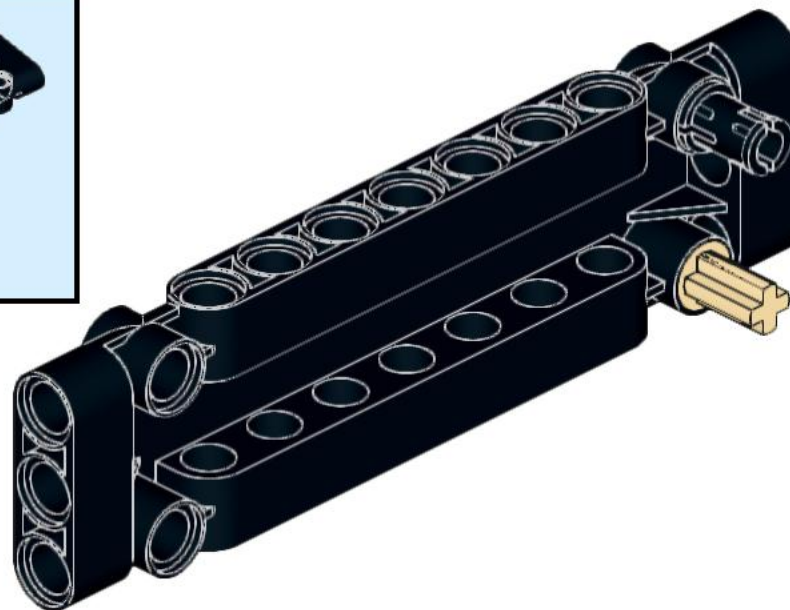
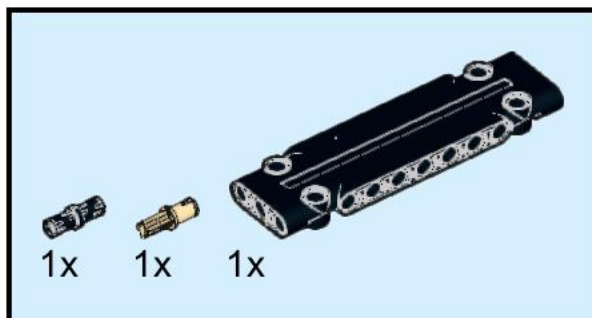
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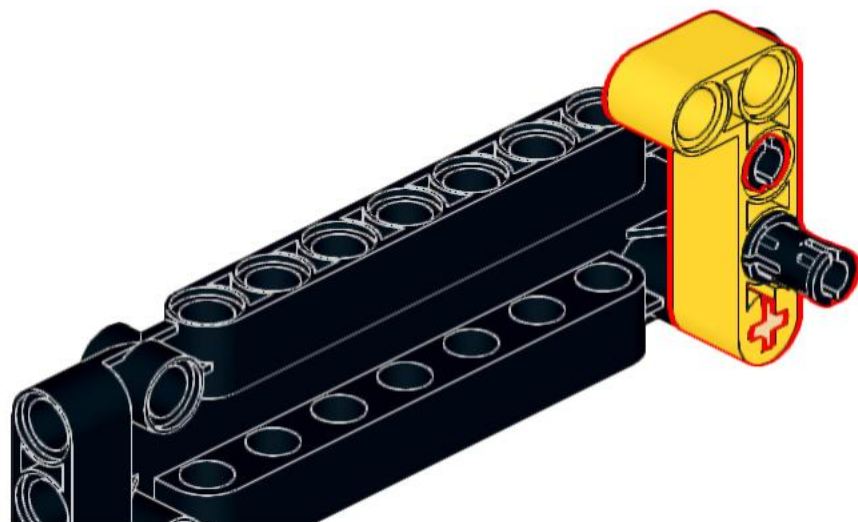
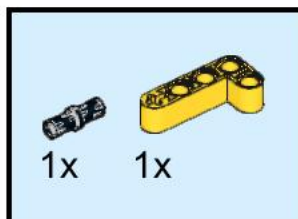
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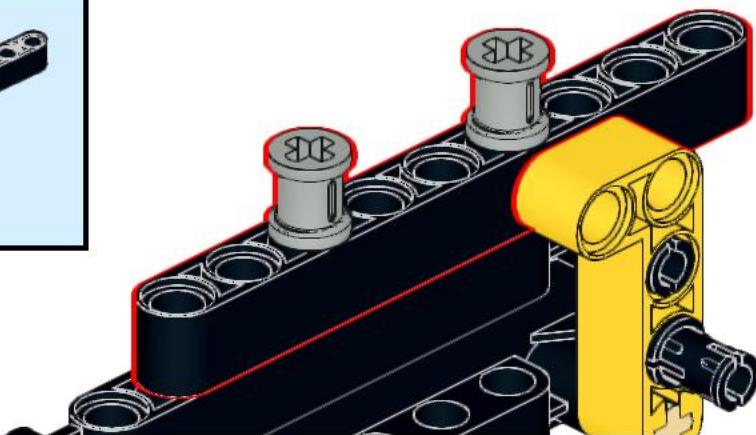
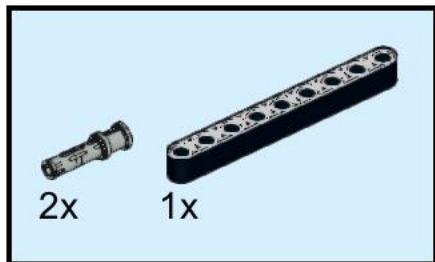
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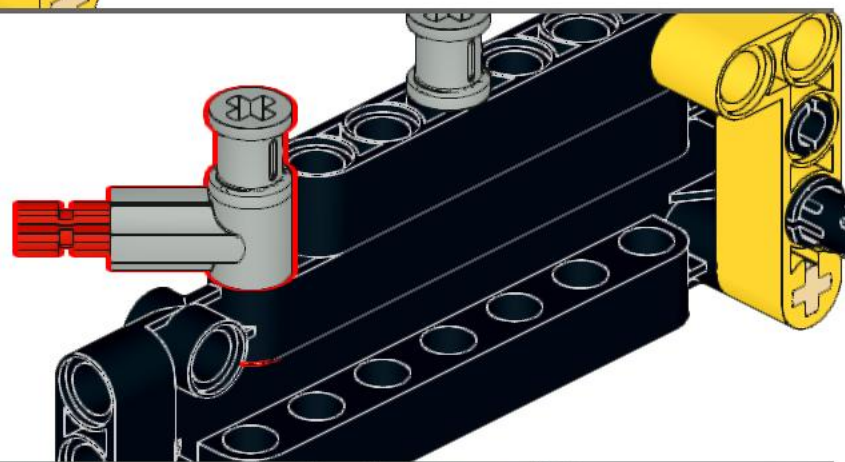
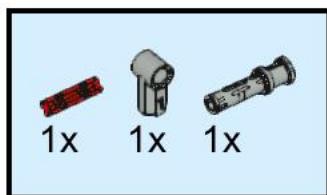
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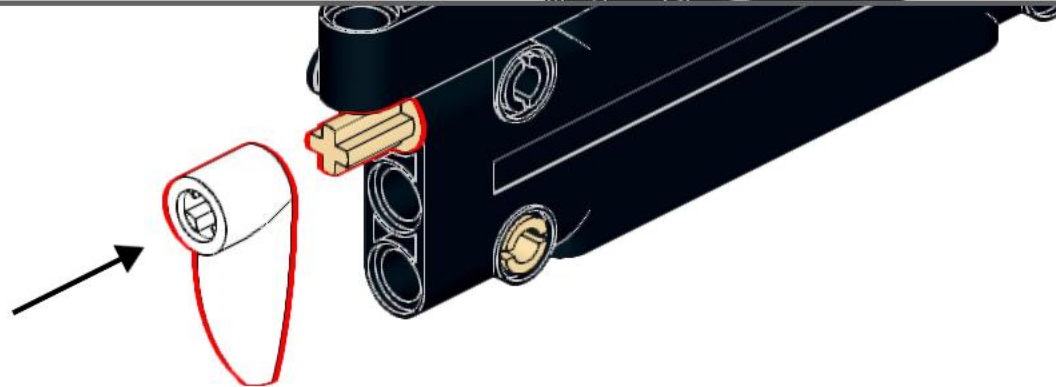
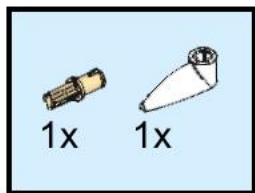
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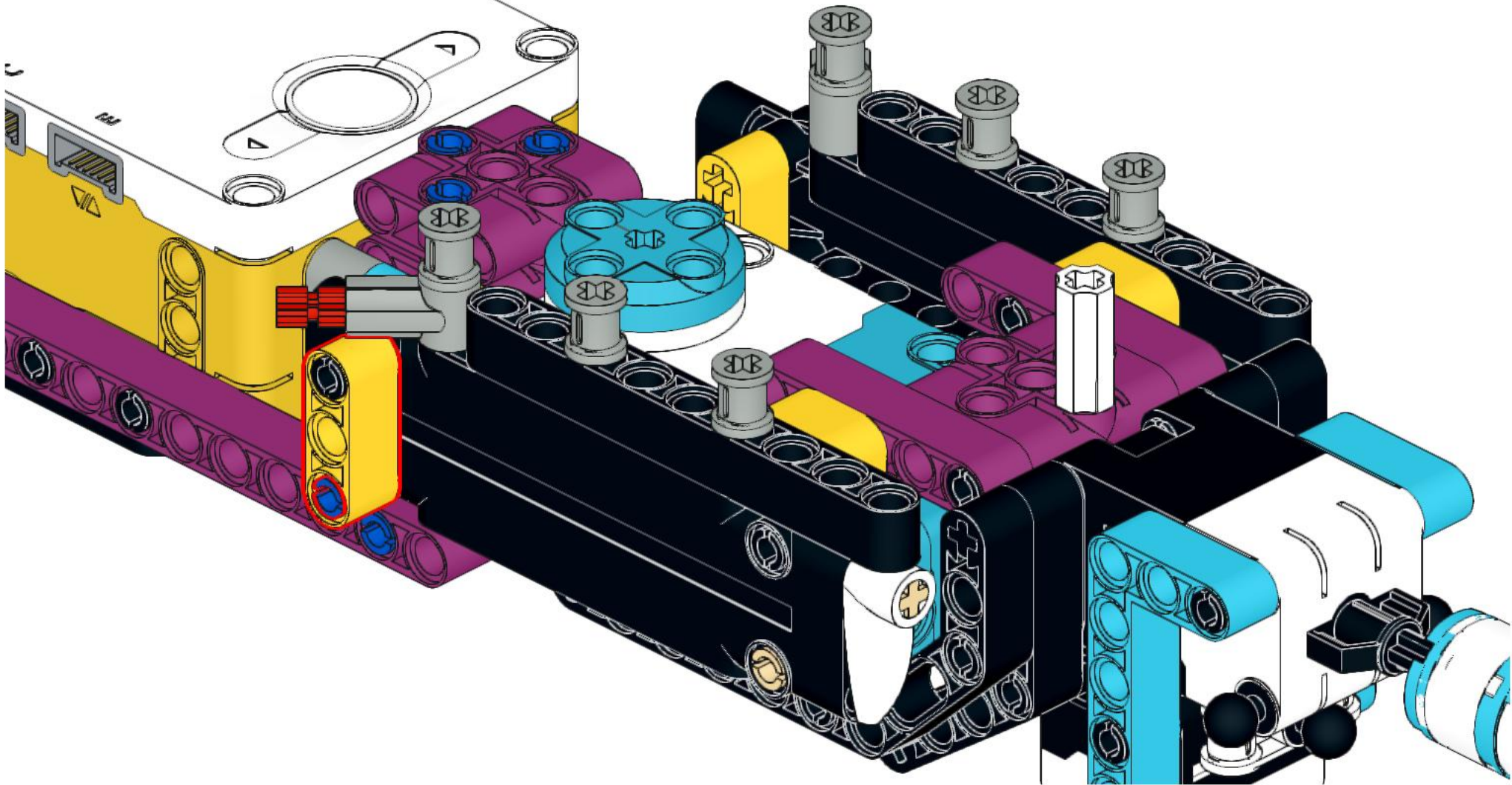
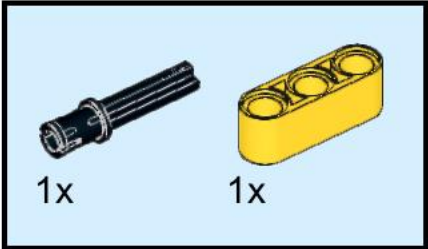
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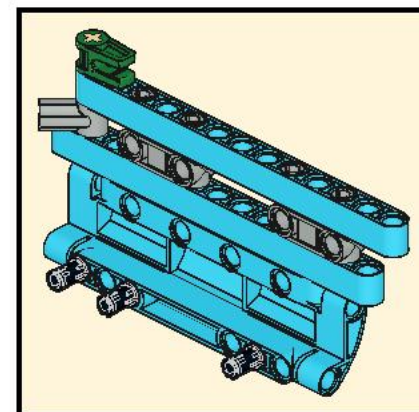
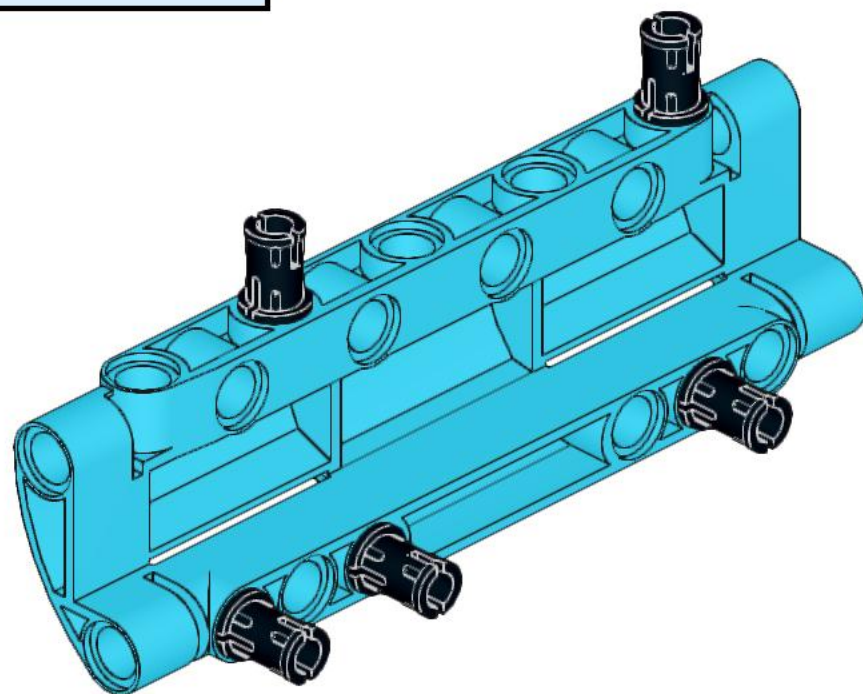
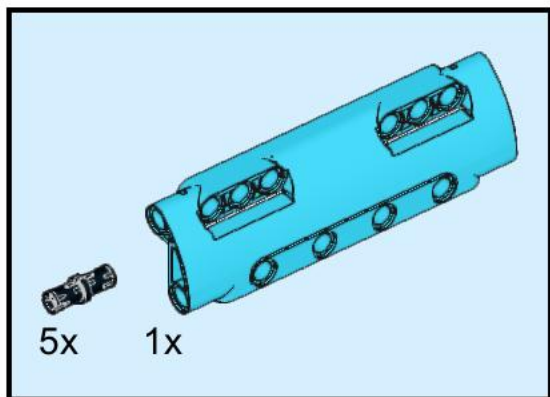
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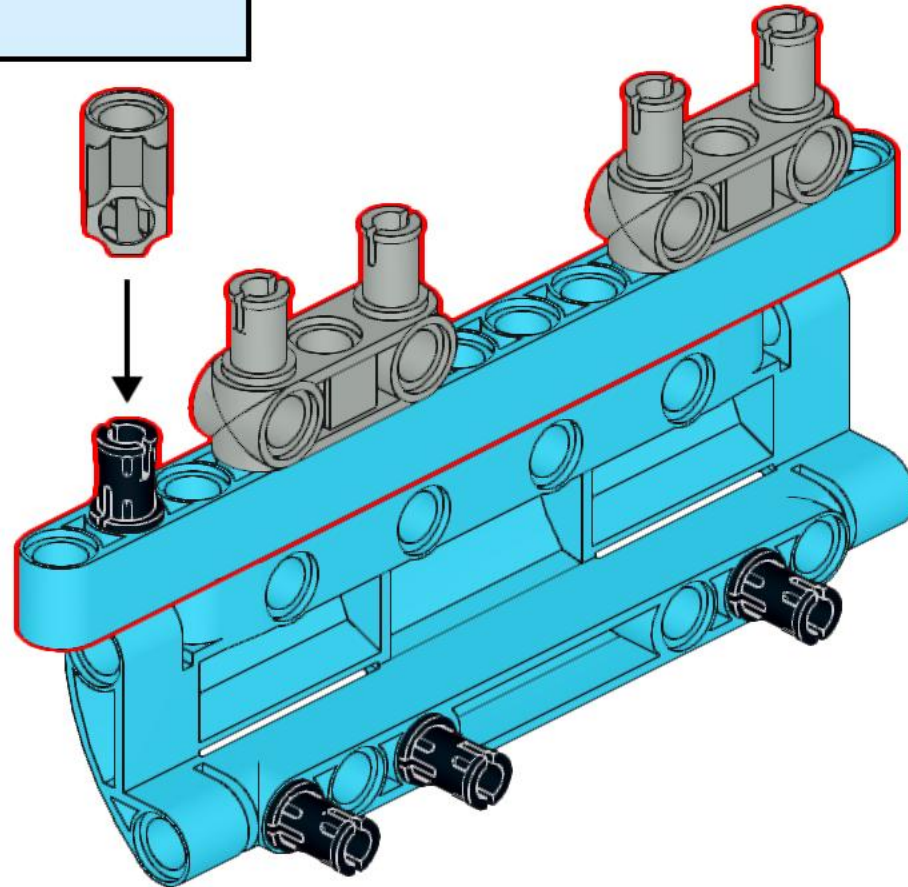
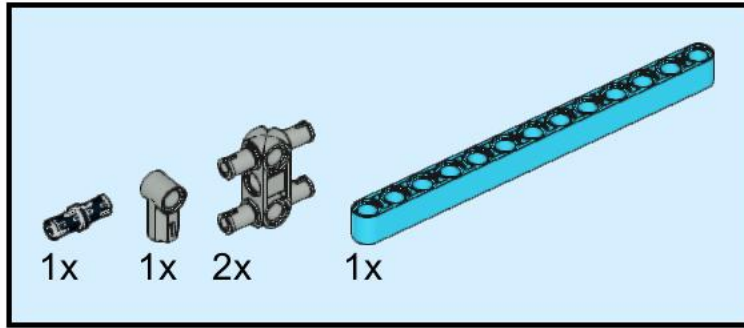
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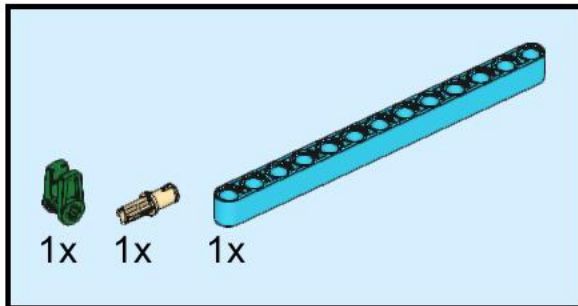
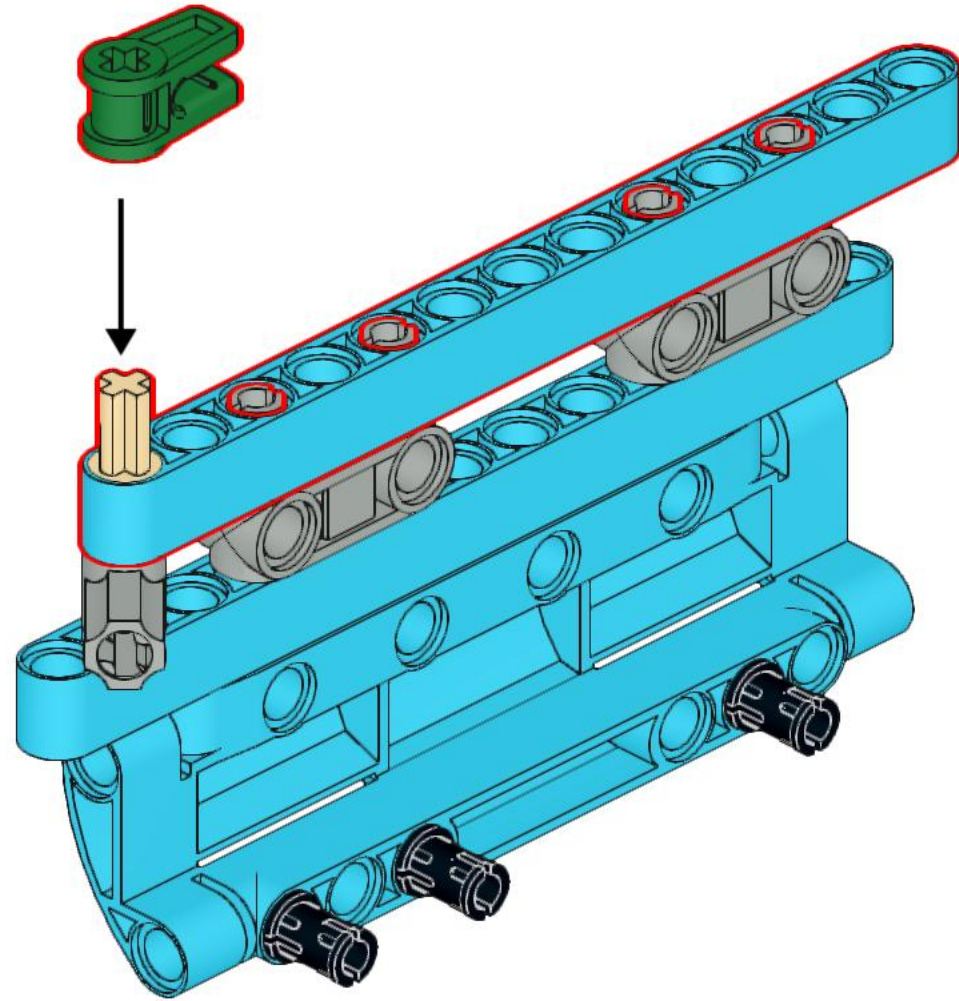
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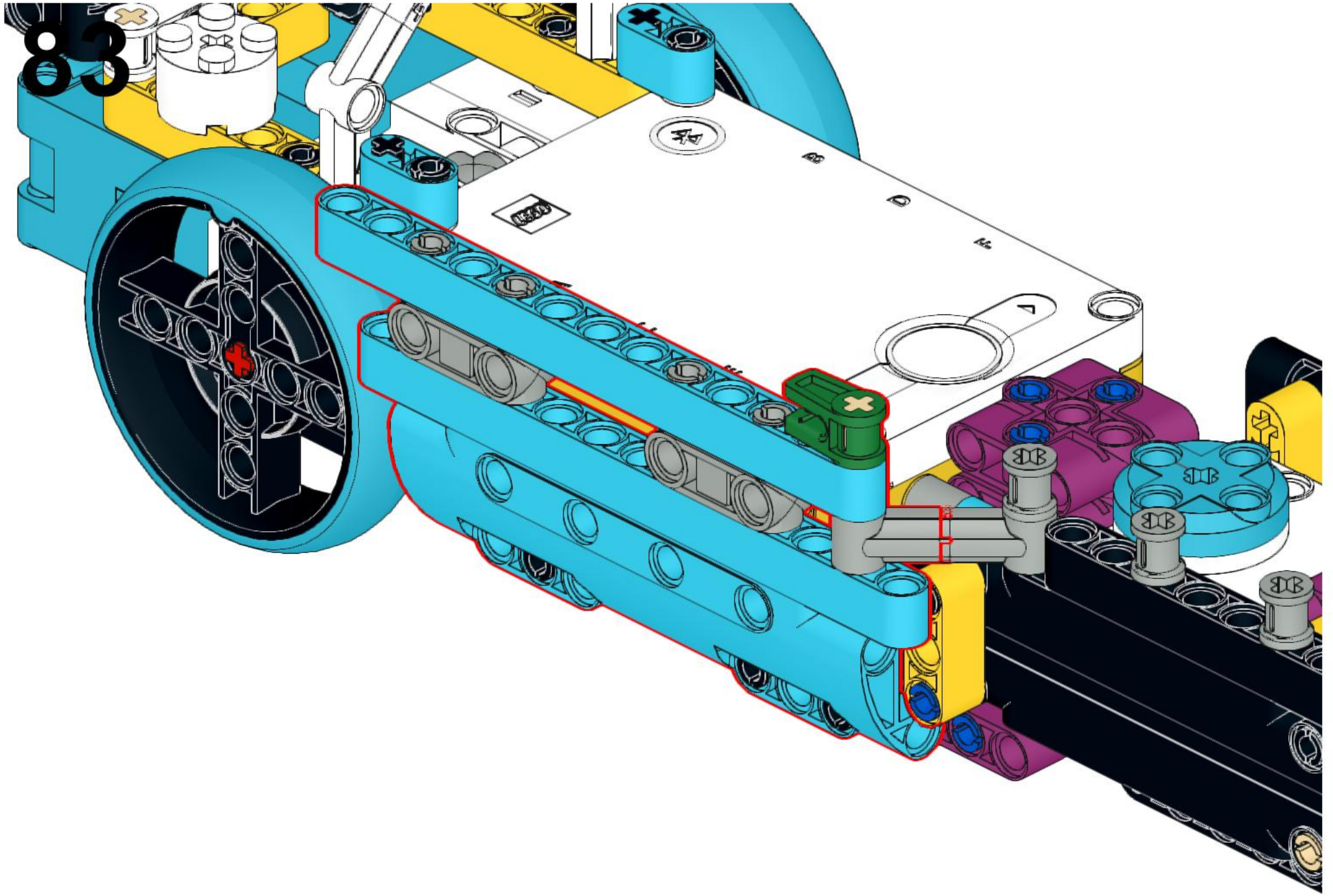


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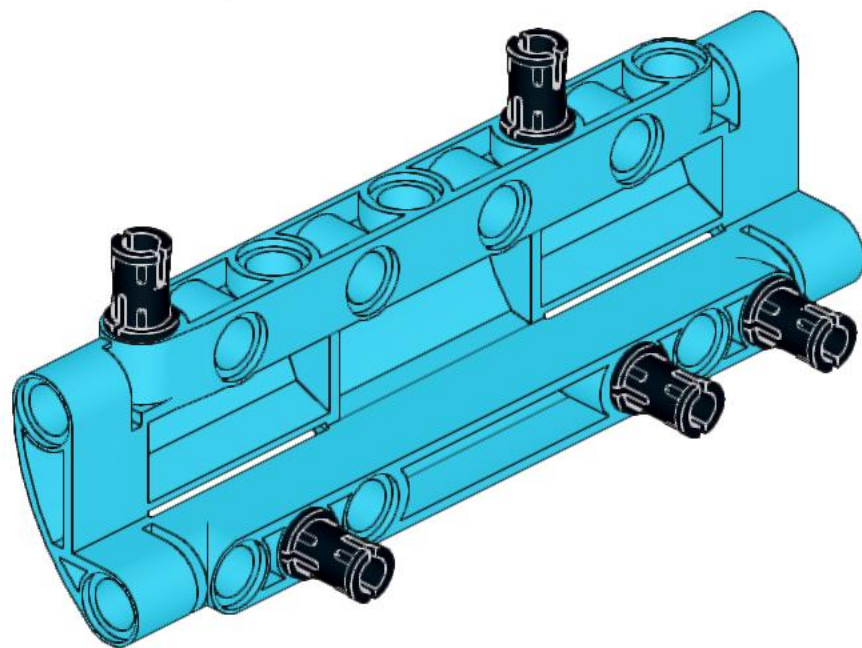
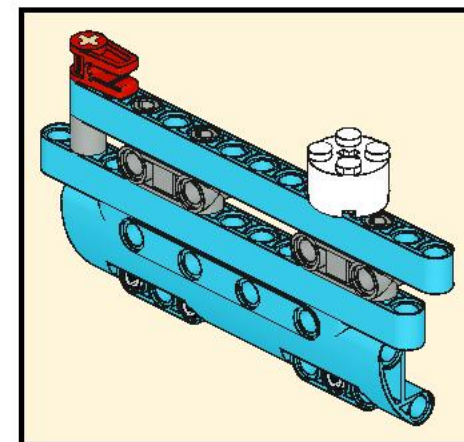
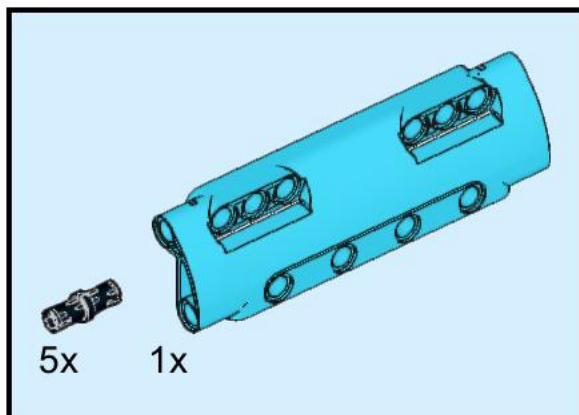


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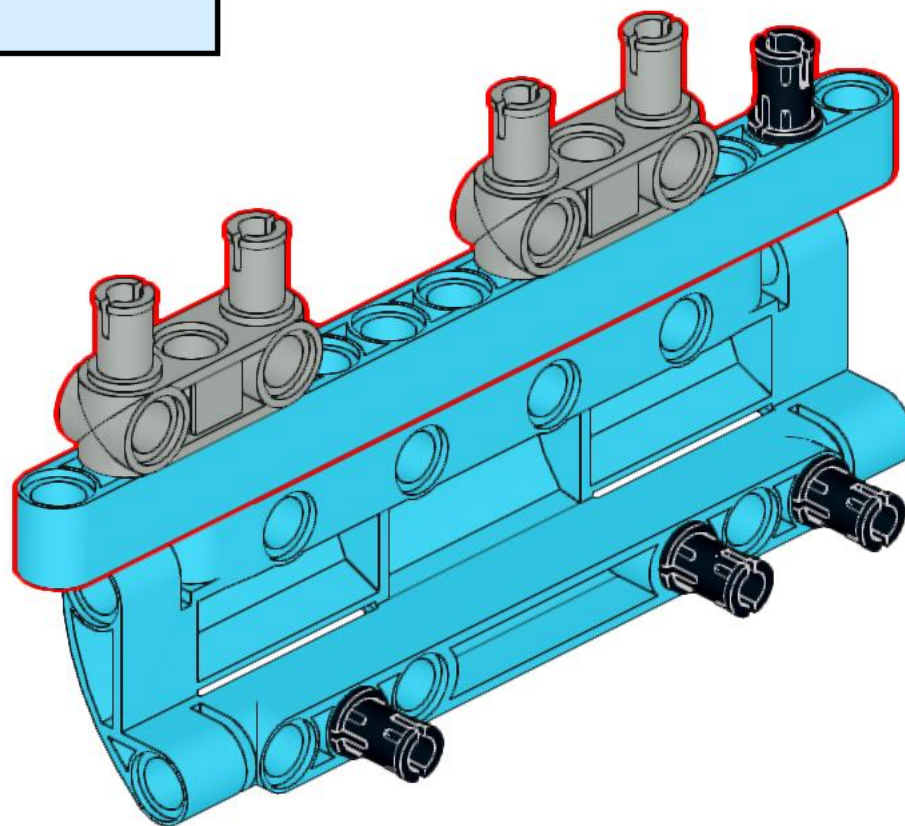
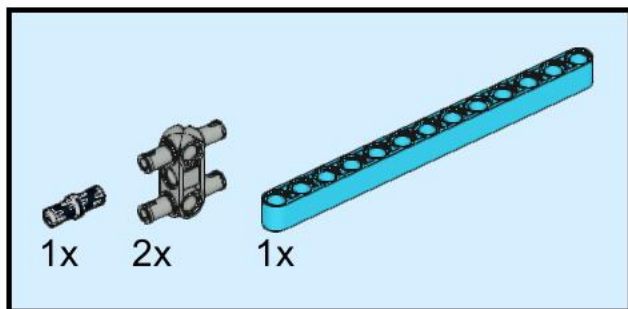




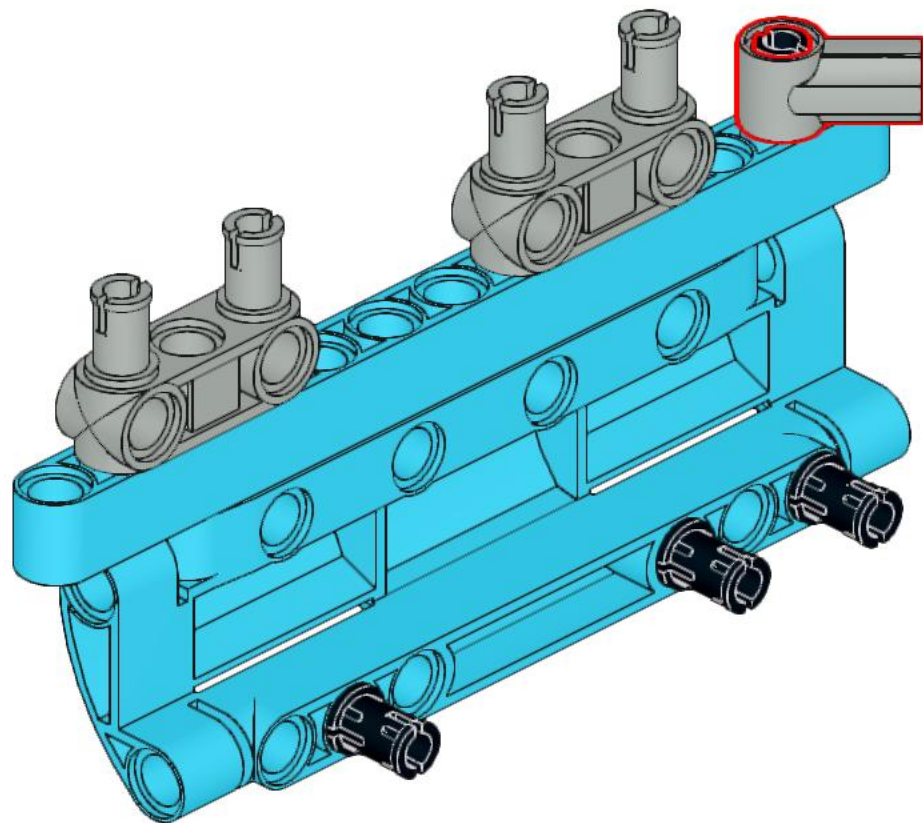
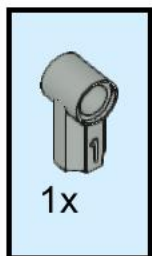
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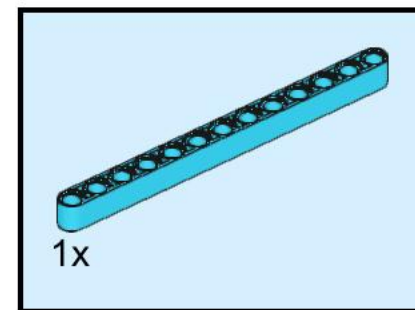
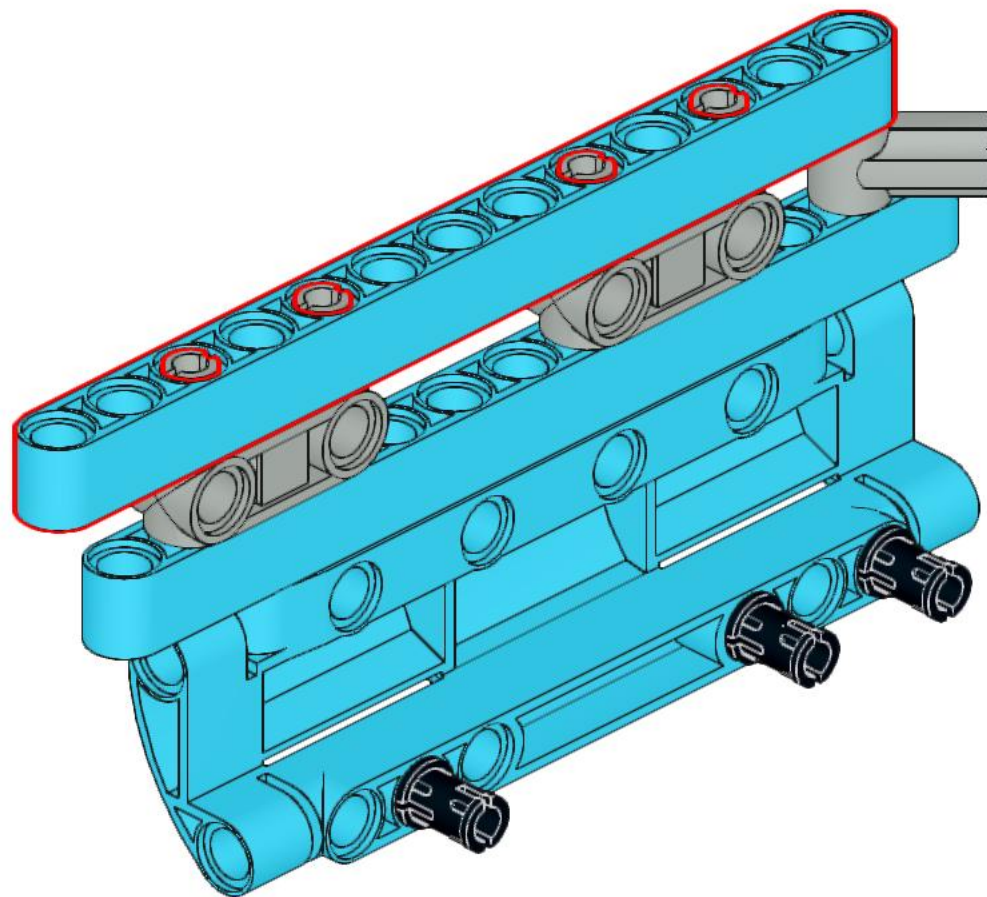
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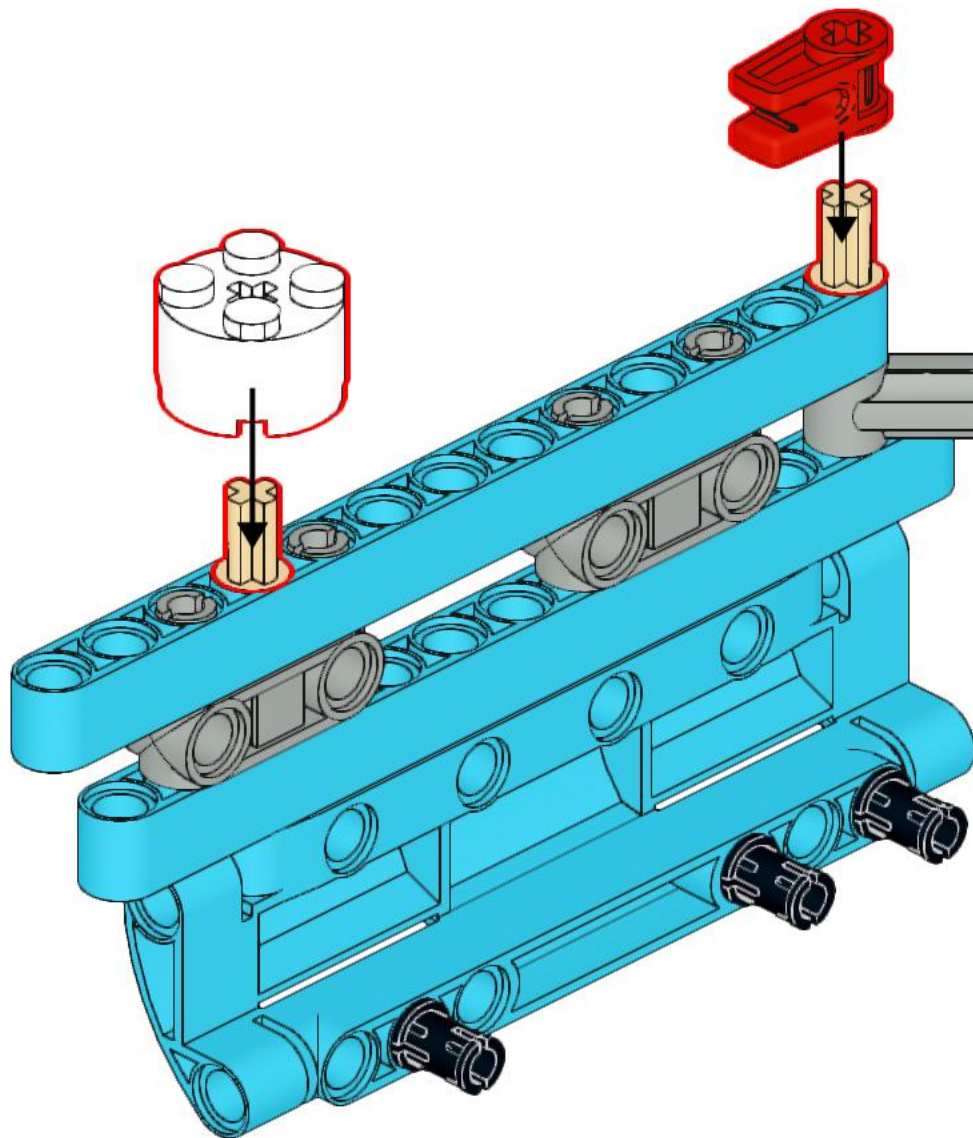
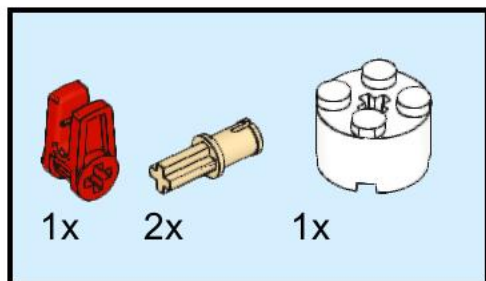
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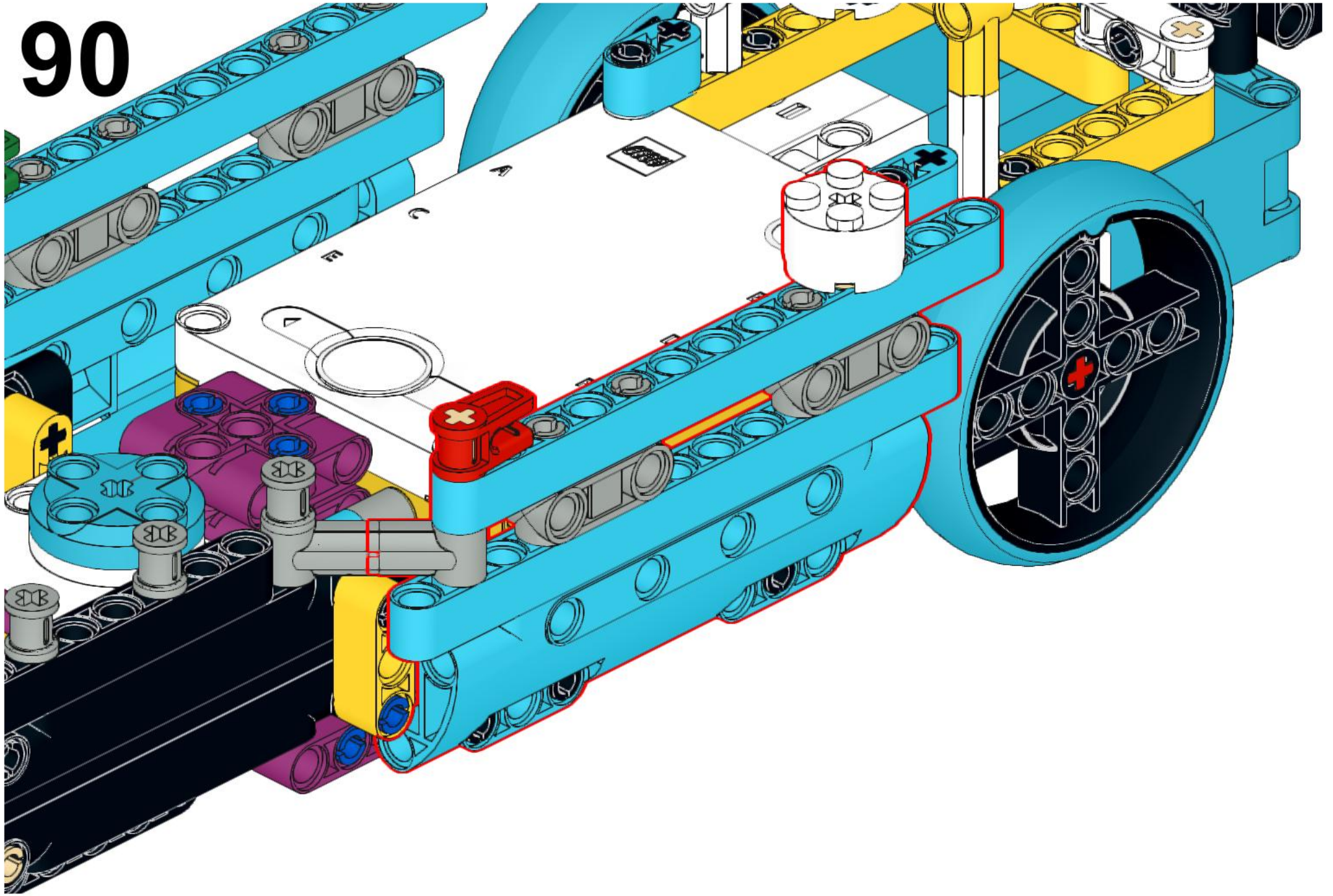
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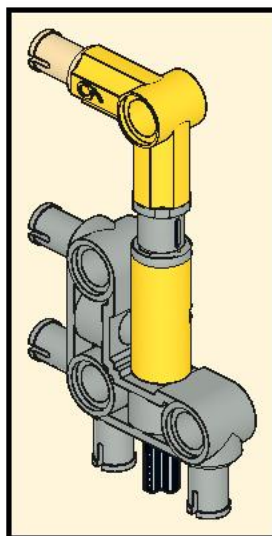
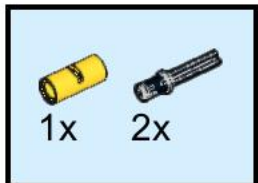
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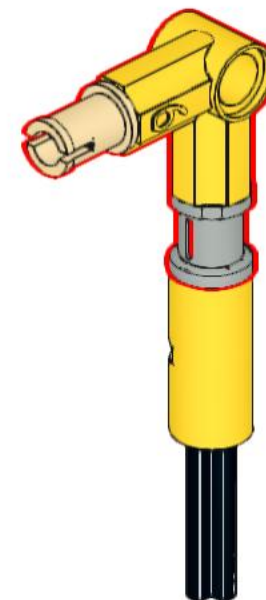
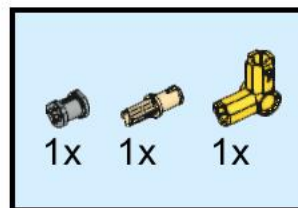
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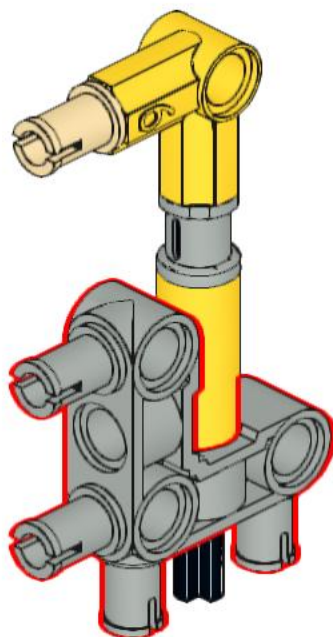
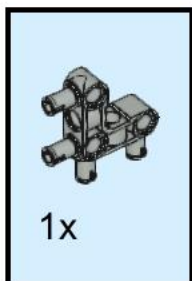
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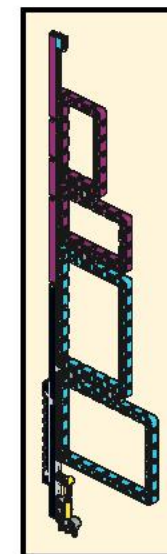
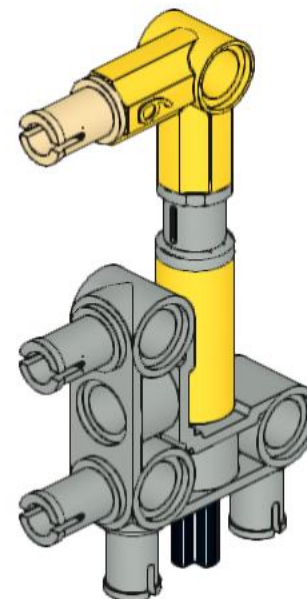
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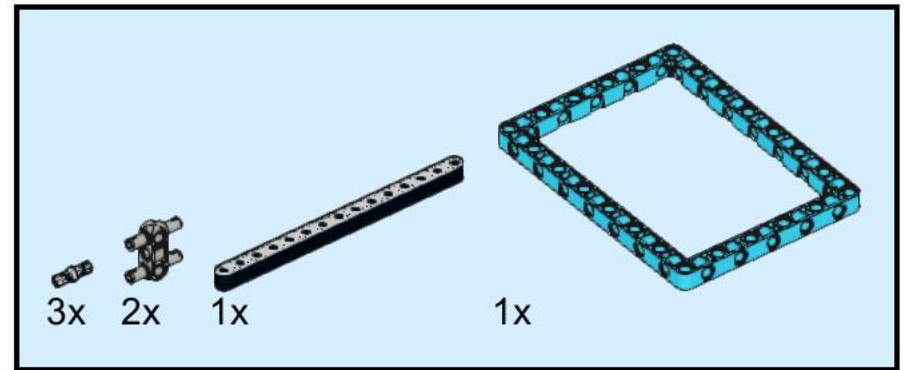
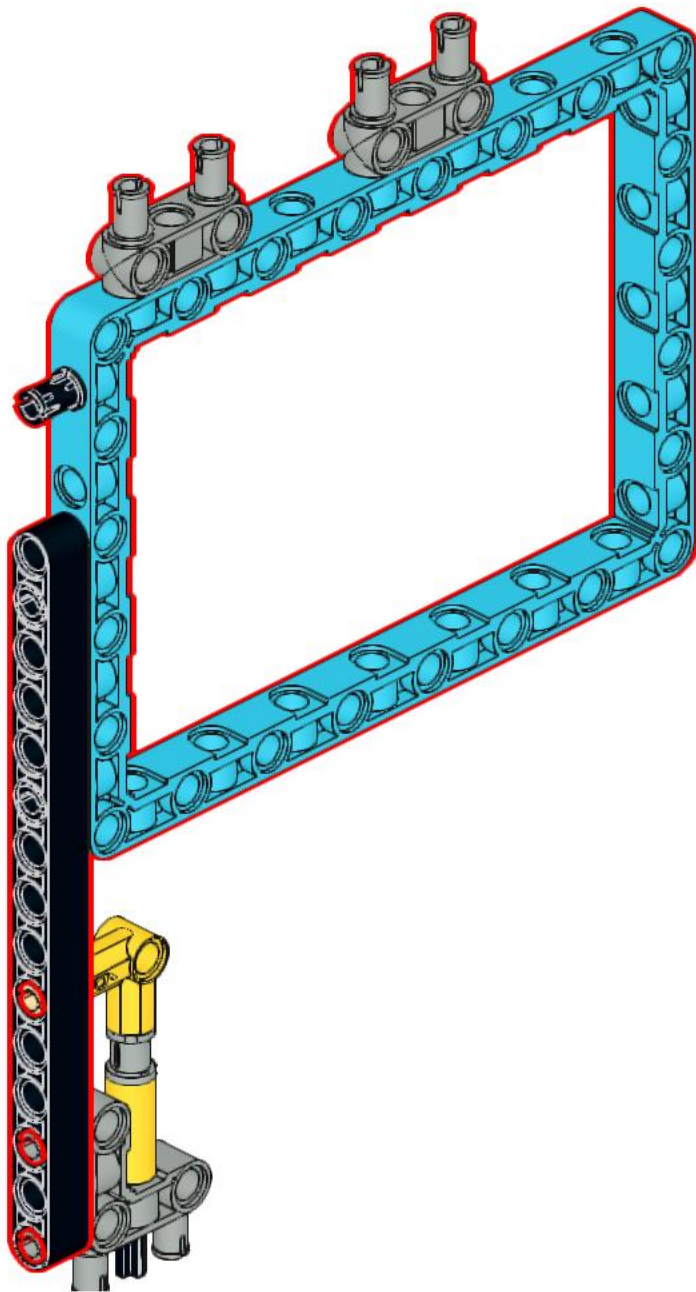
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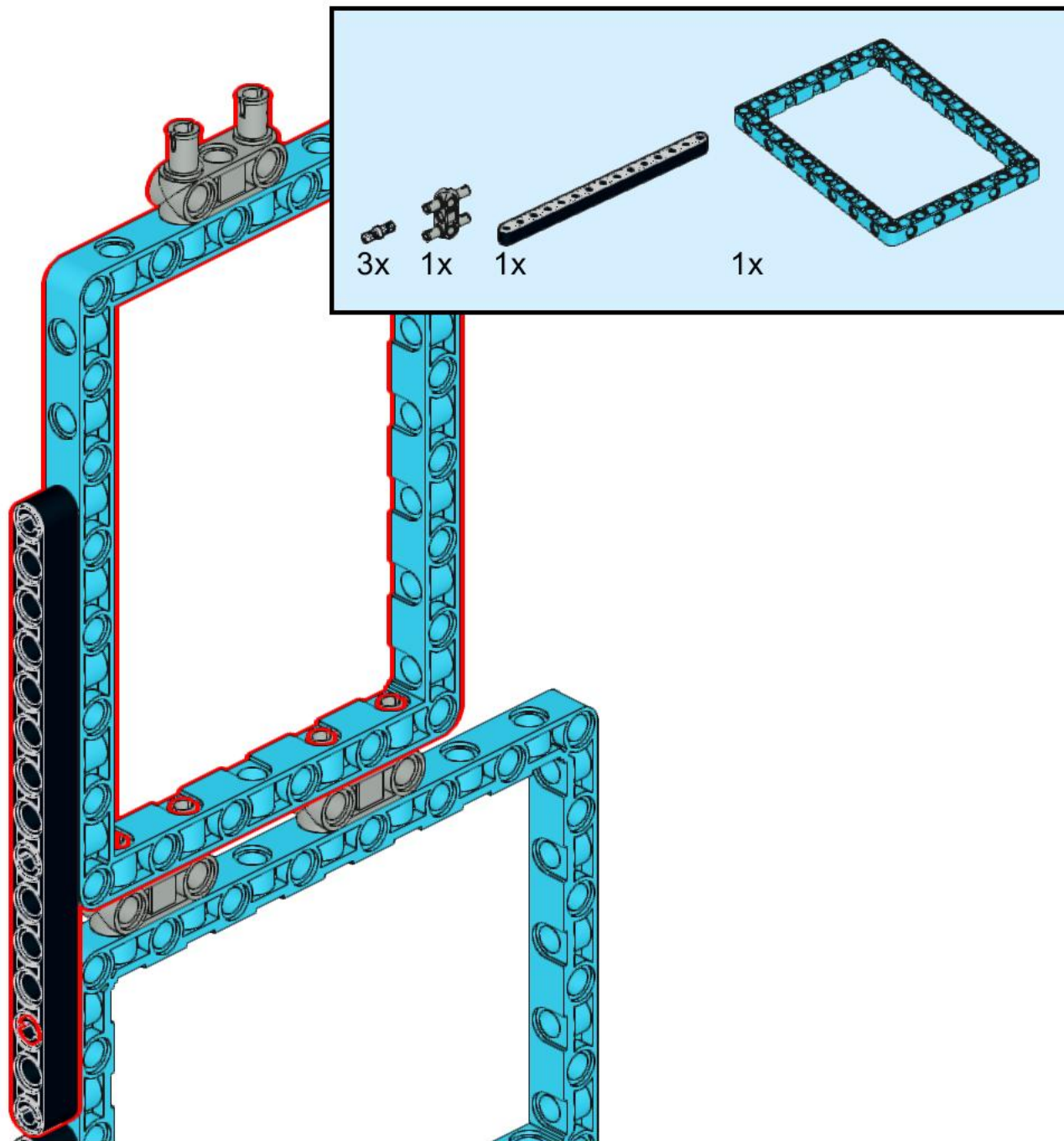
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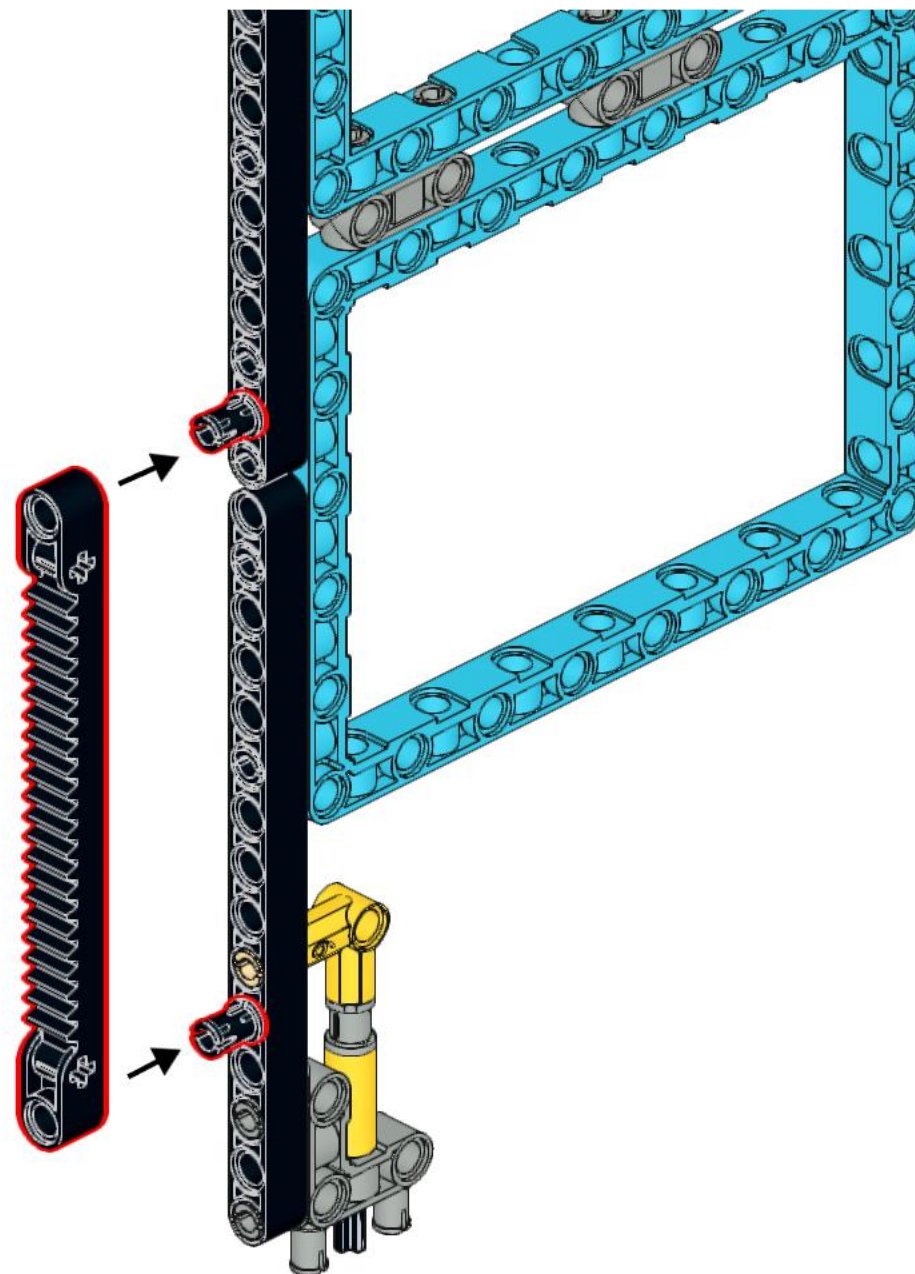
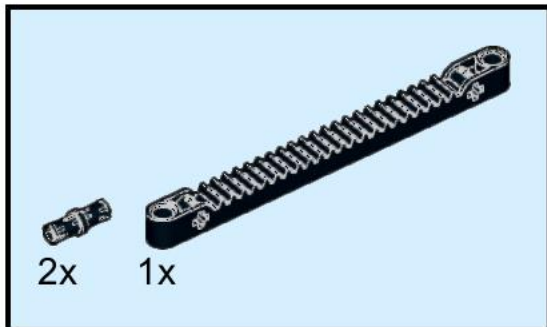
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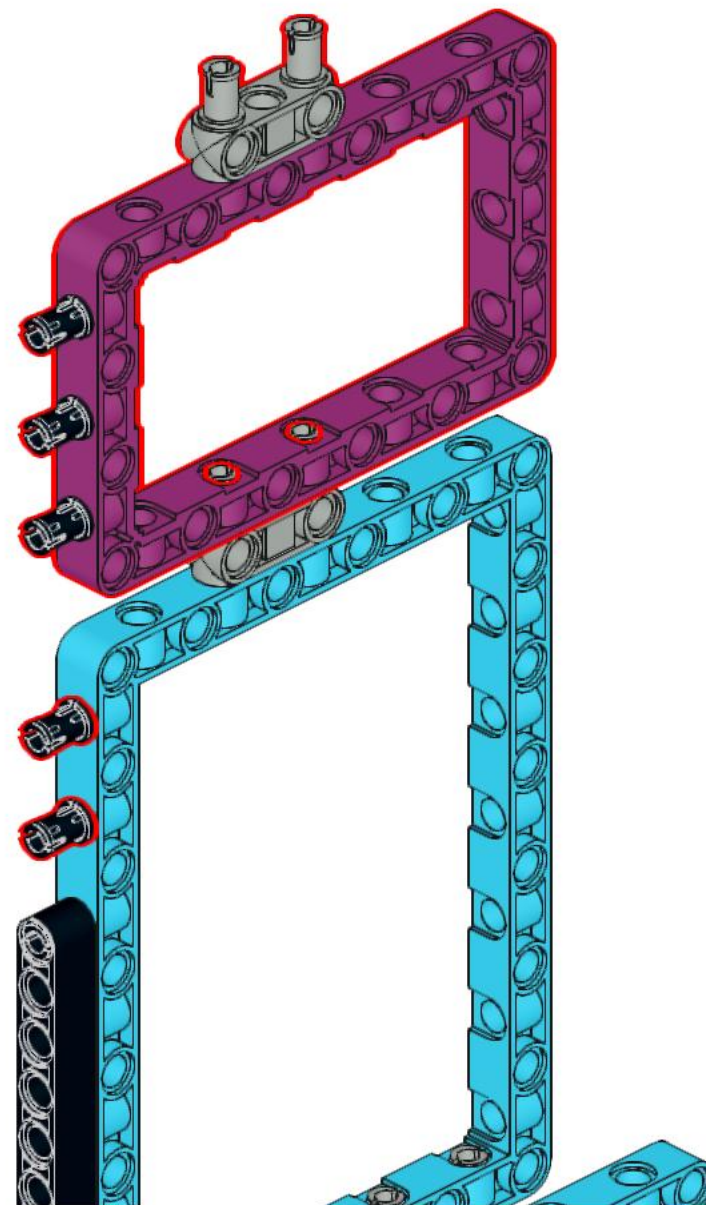
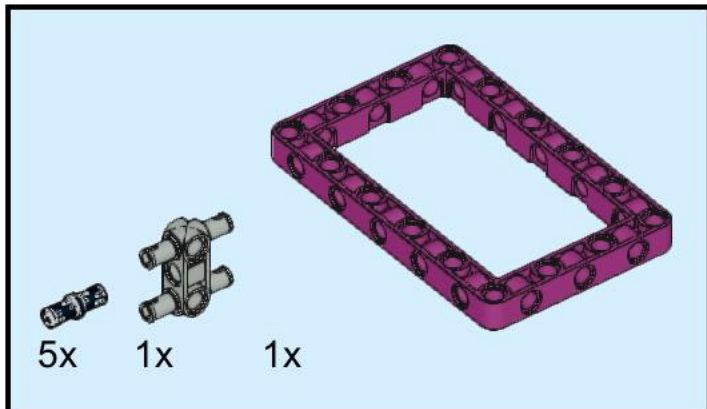
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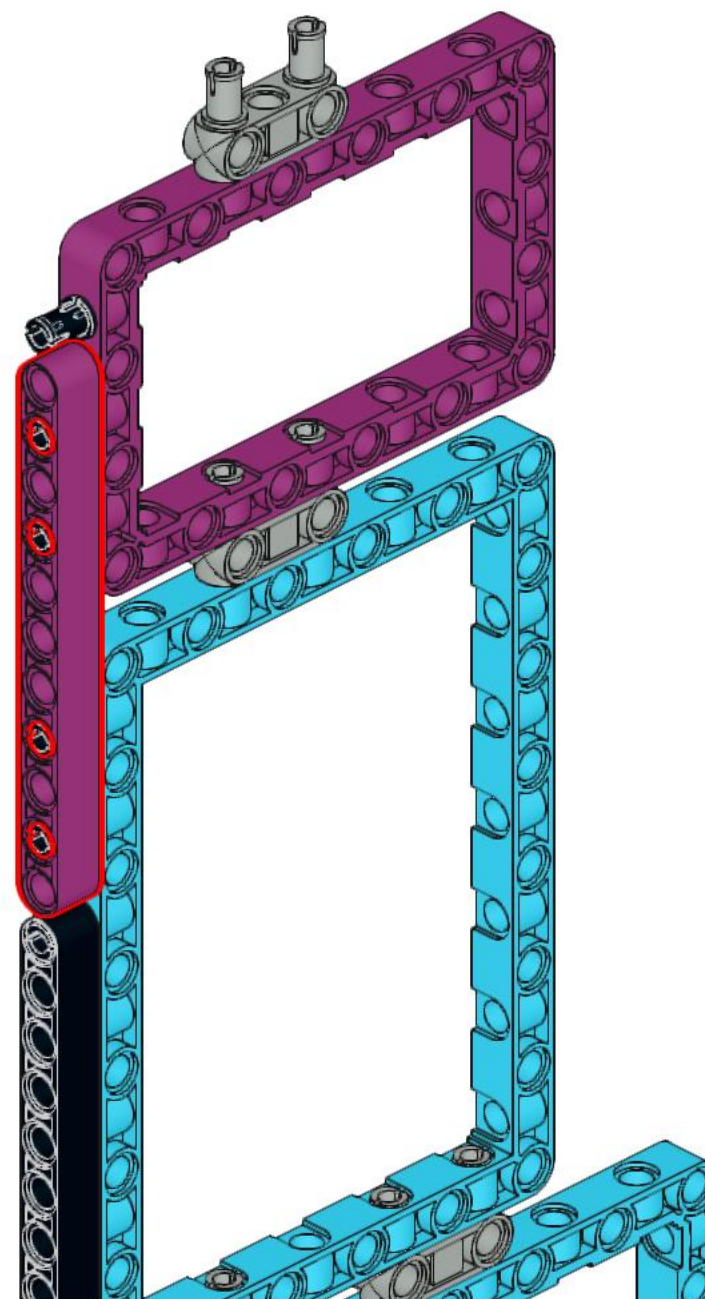
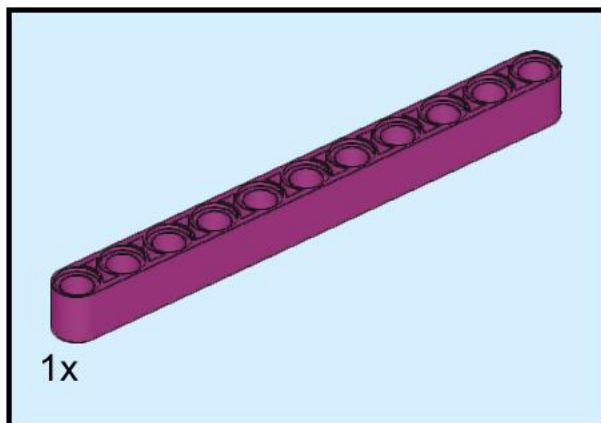
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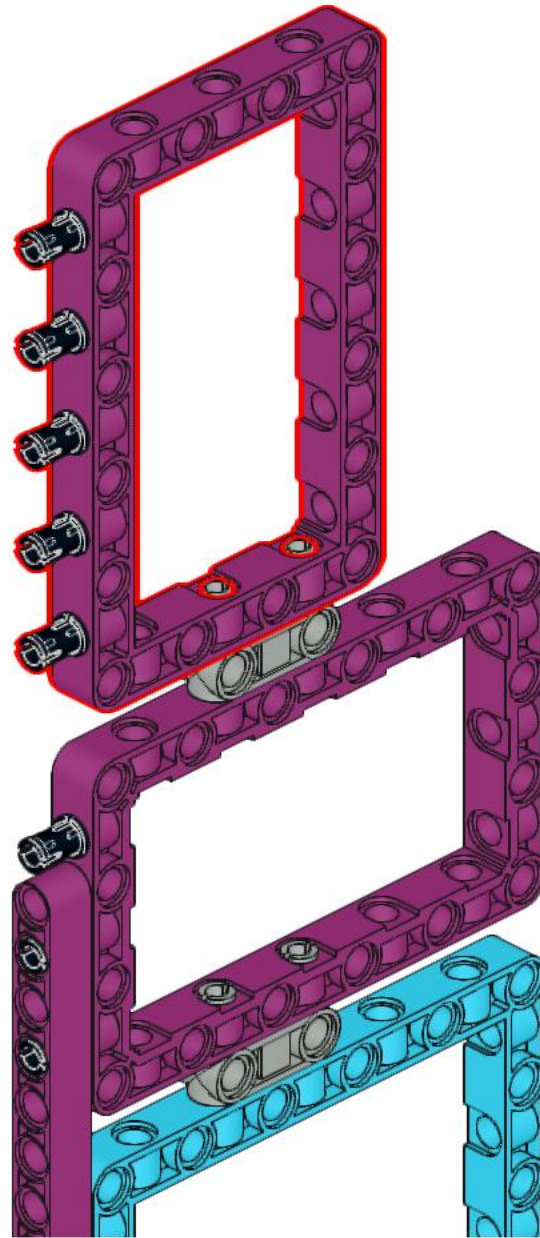
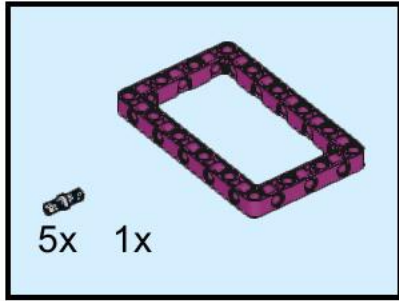
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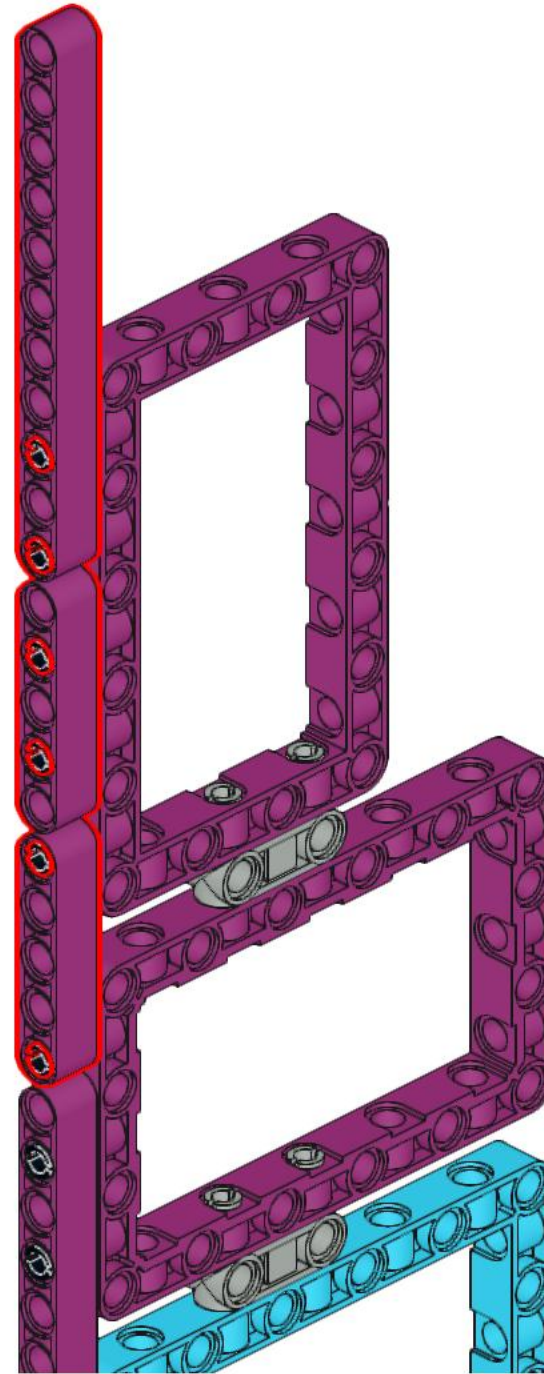
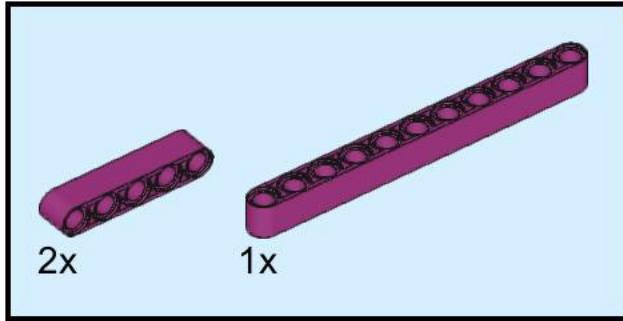
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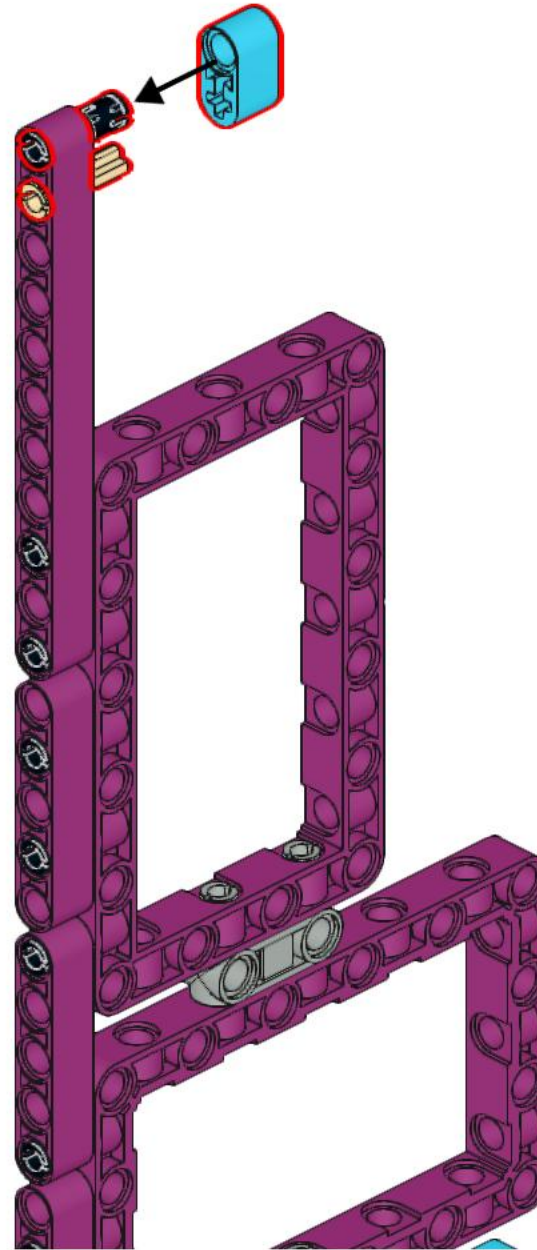
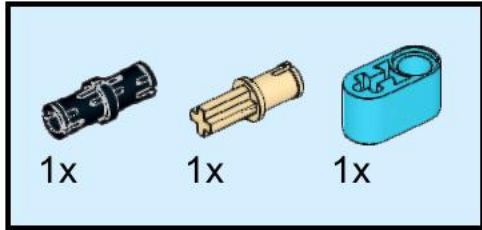
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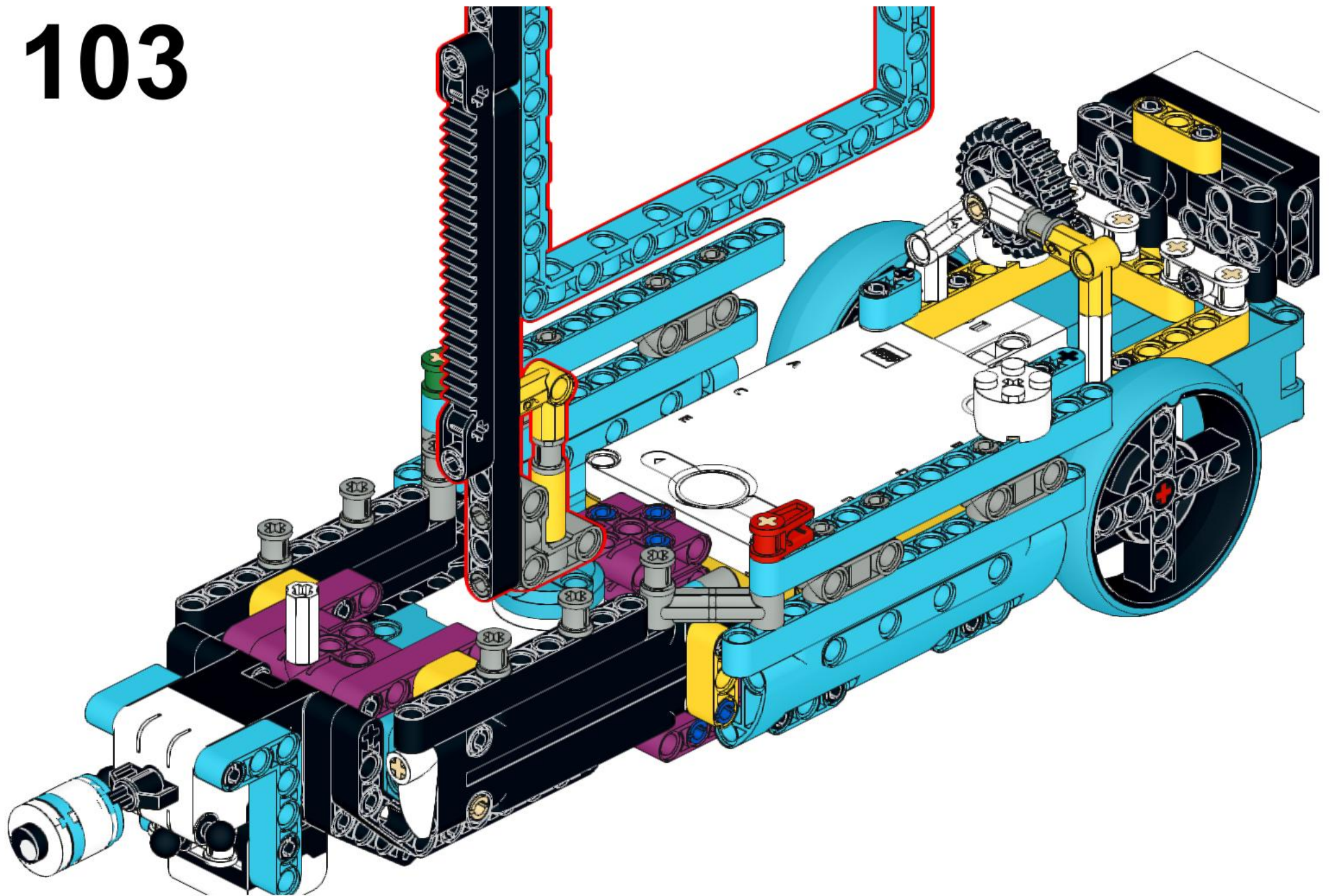
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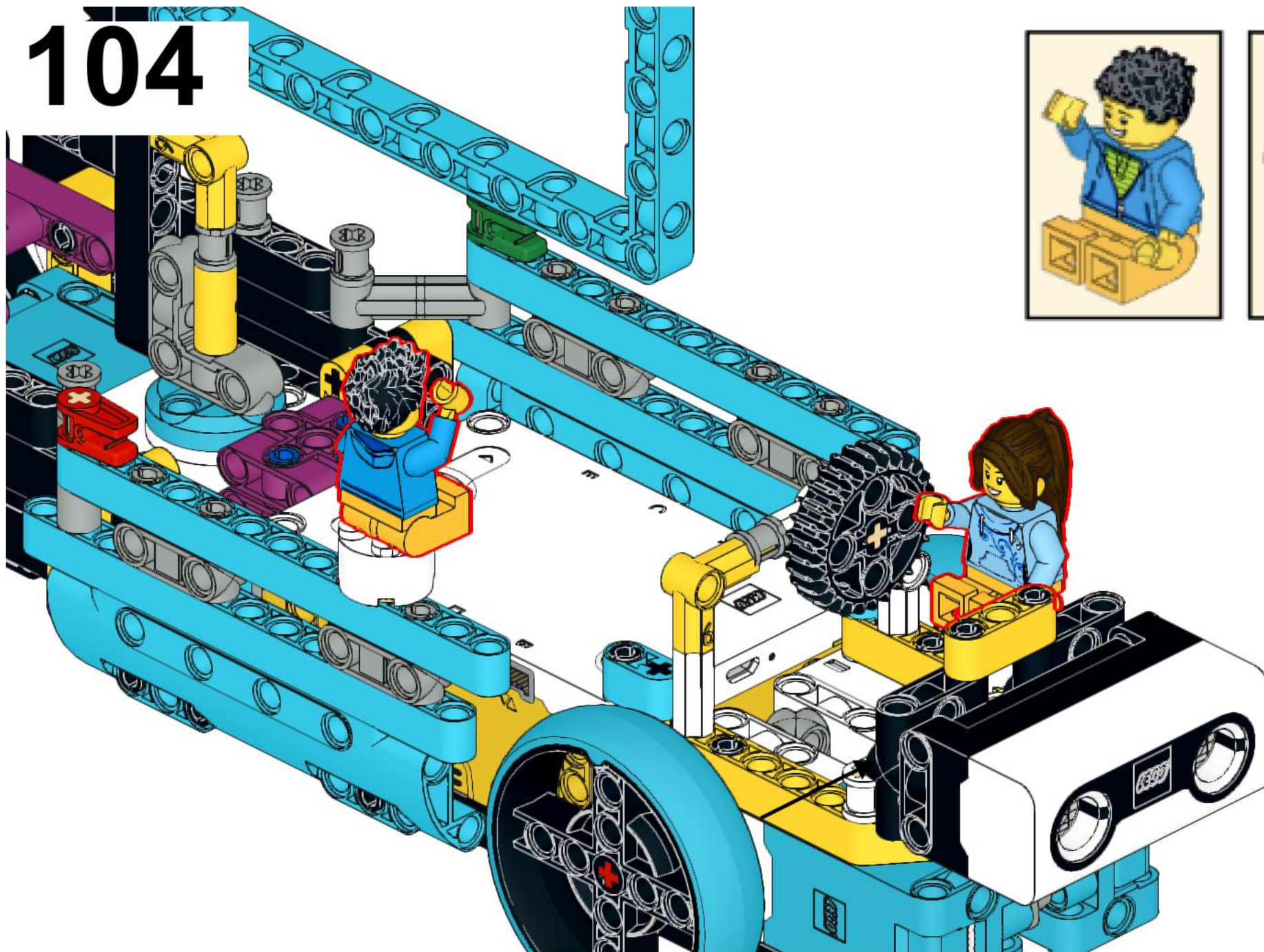
102



103



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WIRING

