

# Instructions Outline

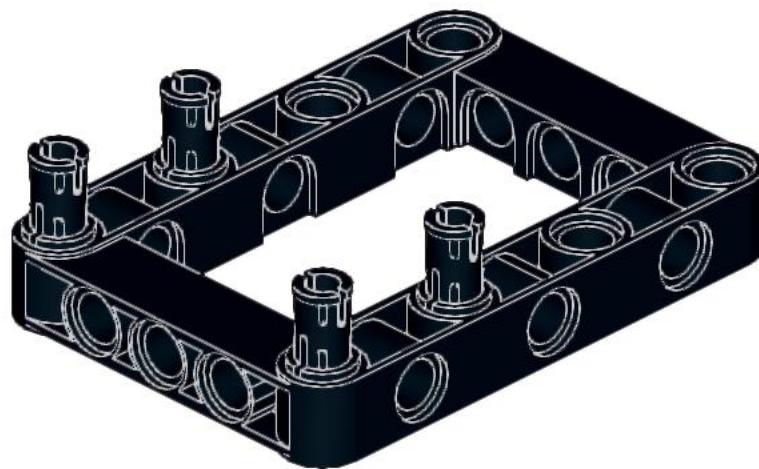
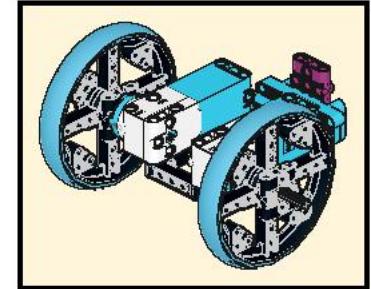
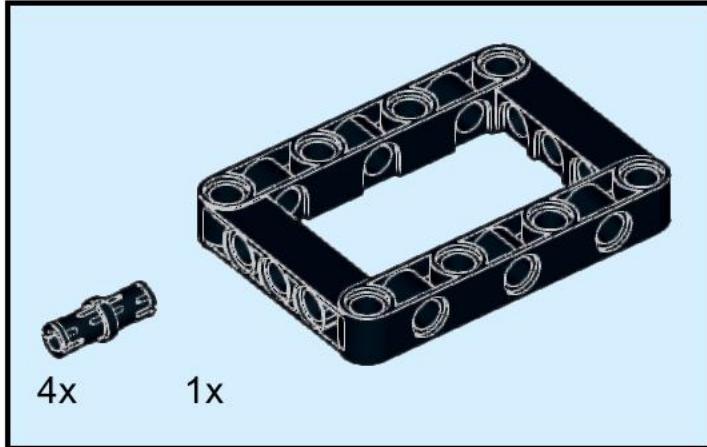
Part 1:  
Drivetrain - Steps 1 to 35

Part 2:  
Attachment Motors - Steps 36 to 51

Part 3:  
SPIKE Prime Hub - Steps 53 to 65

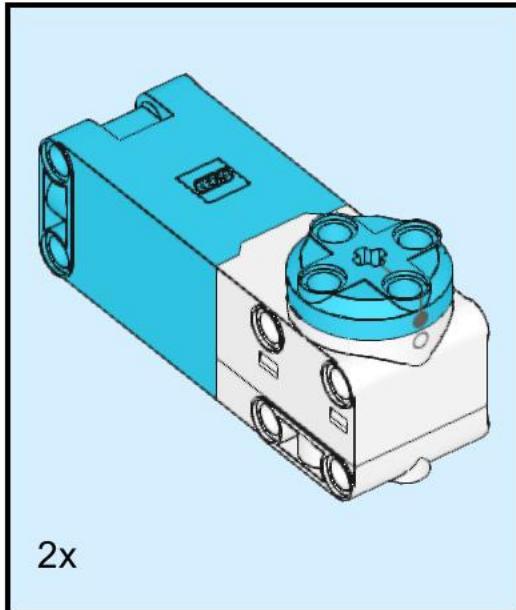
Part 4:  
Framing - Steps 67 to 225

**1**

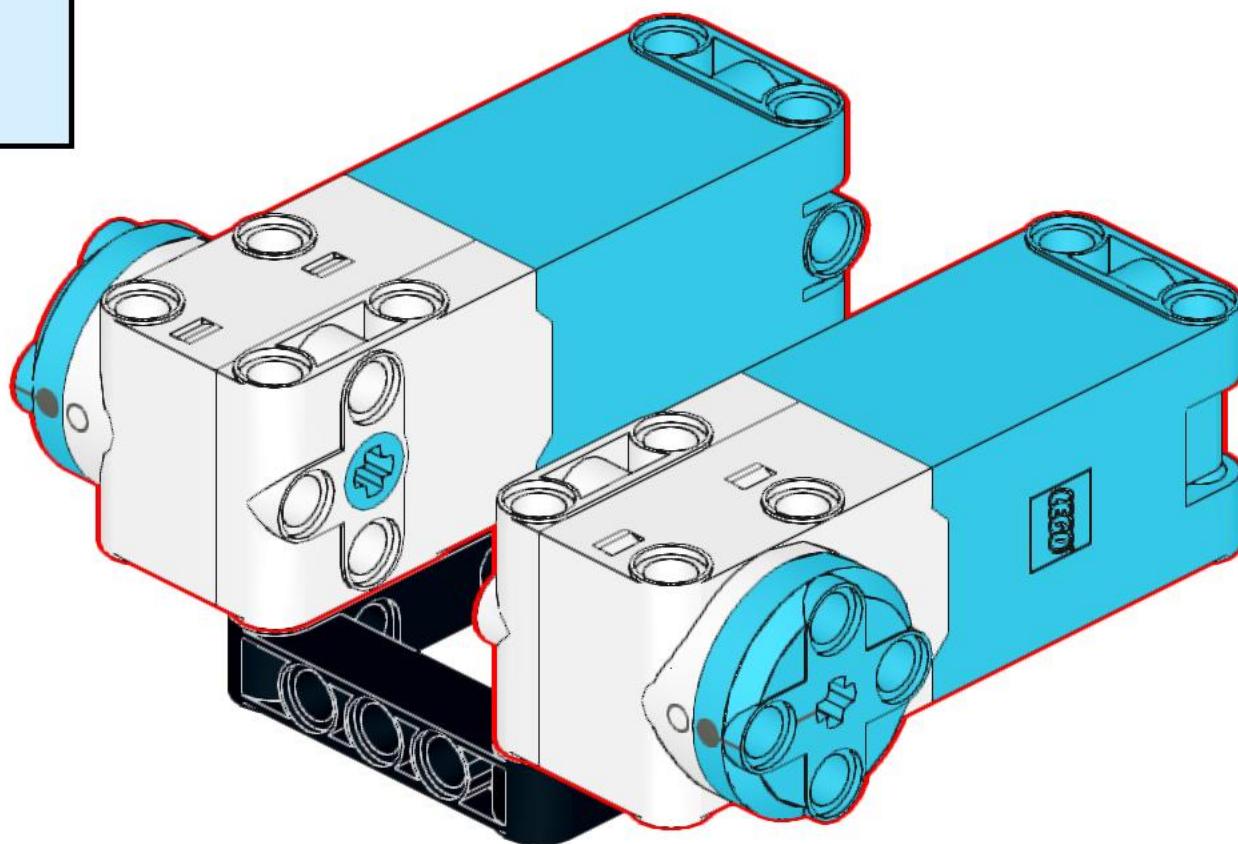


## Part 1: Drivetrain

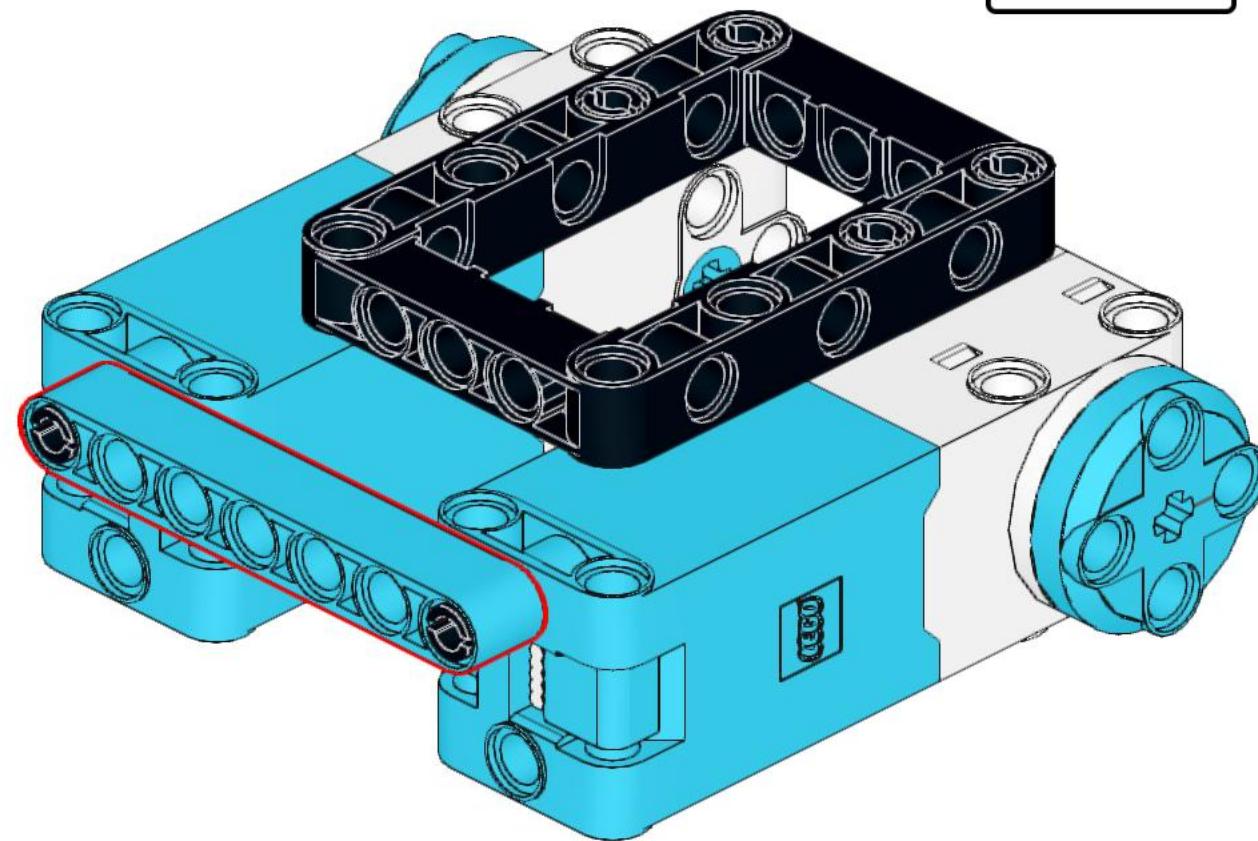
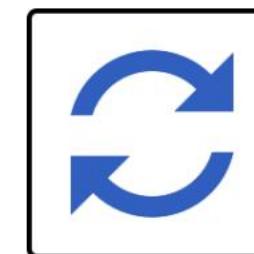
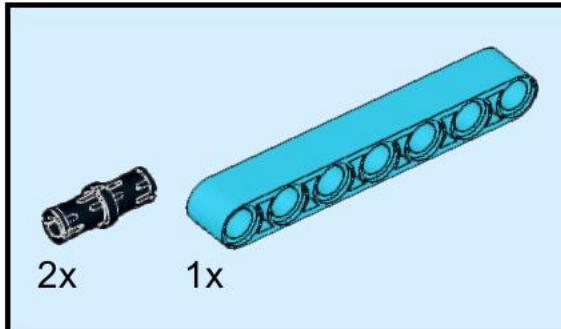
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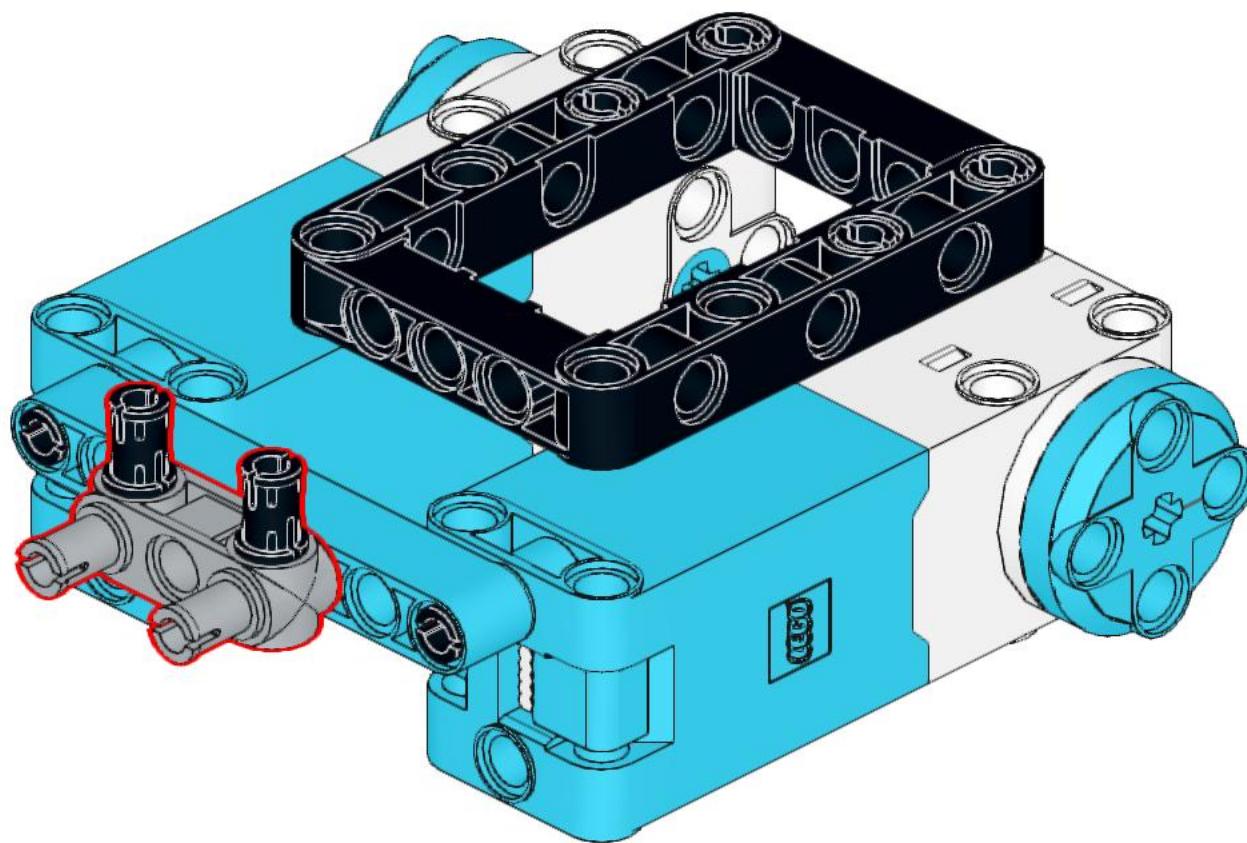
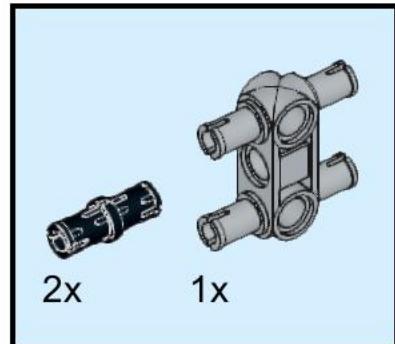
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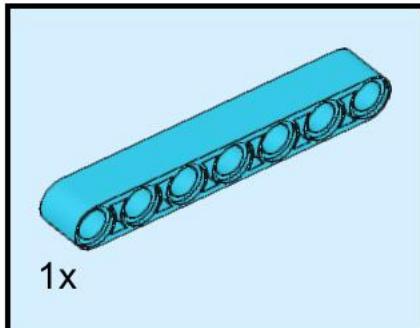
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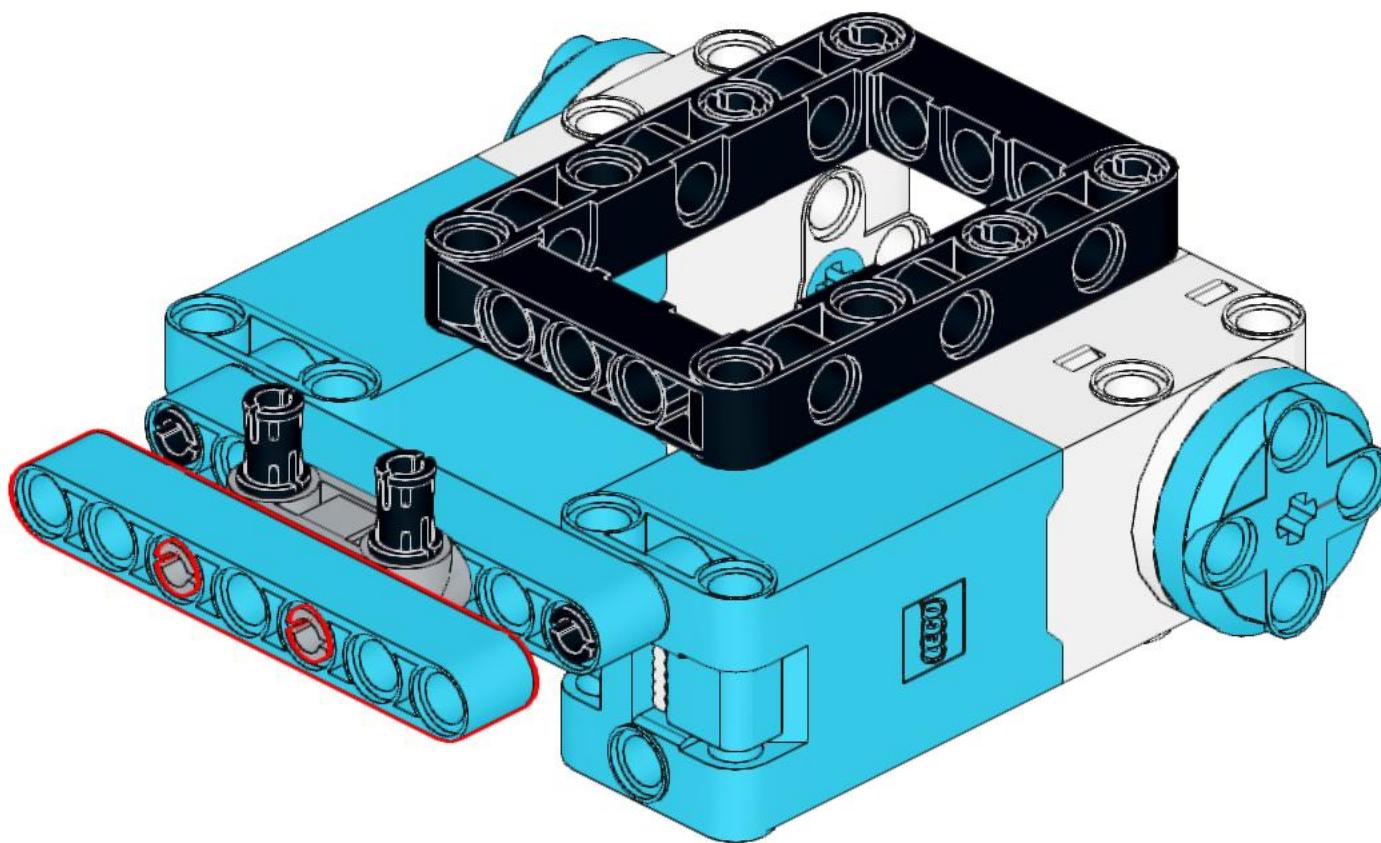
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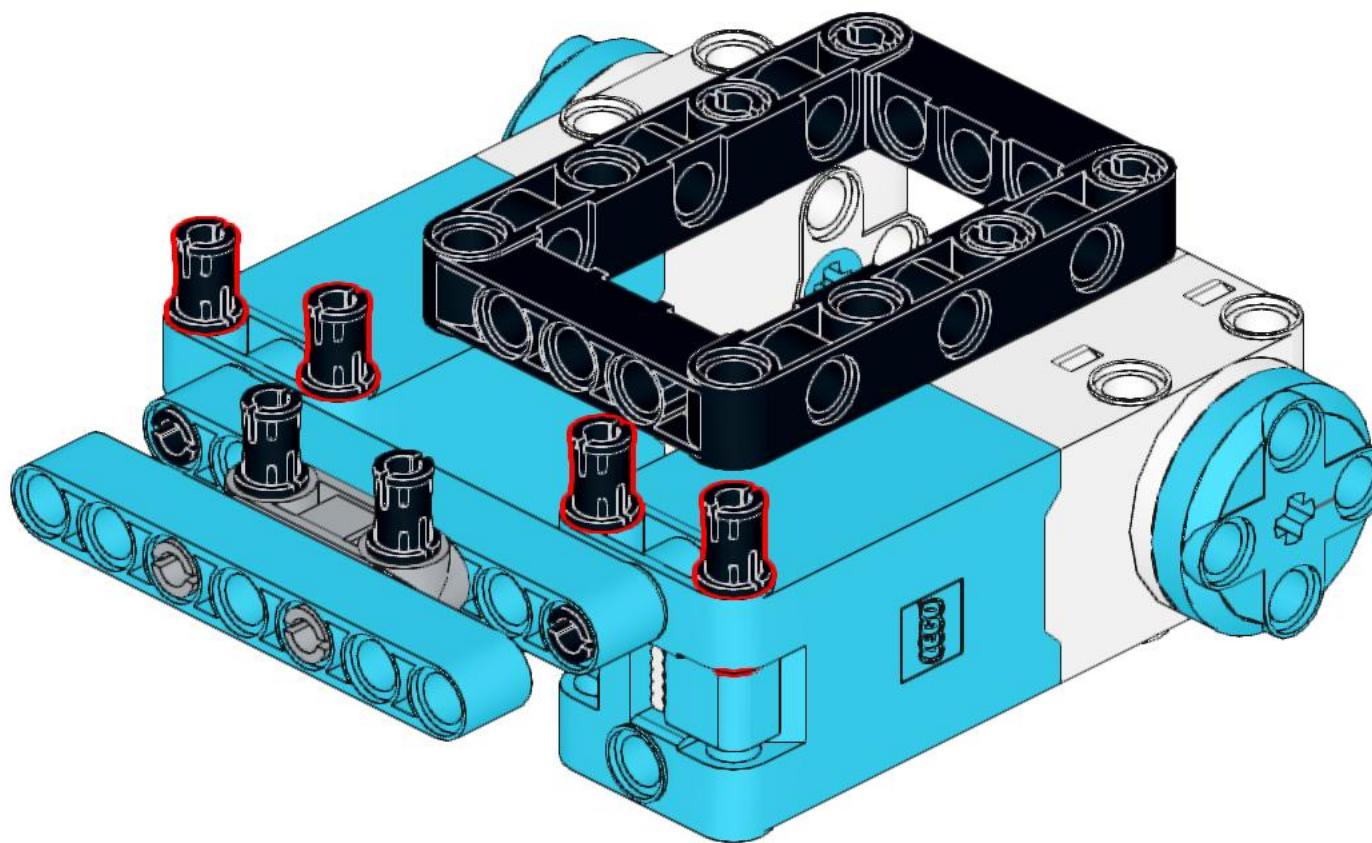
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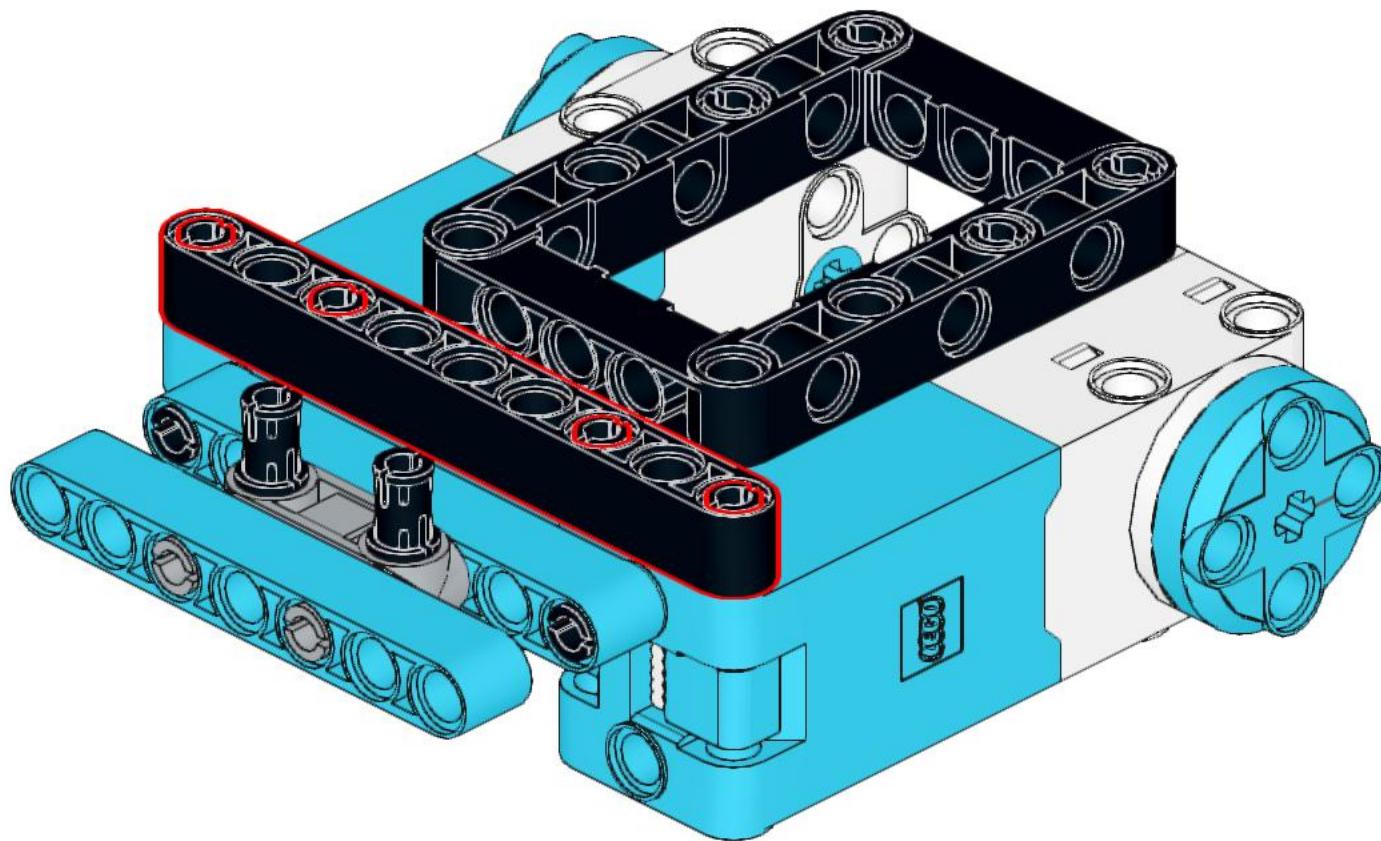
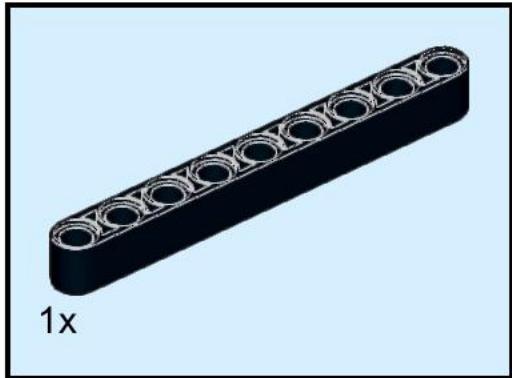
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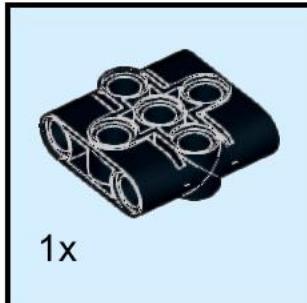
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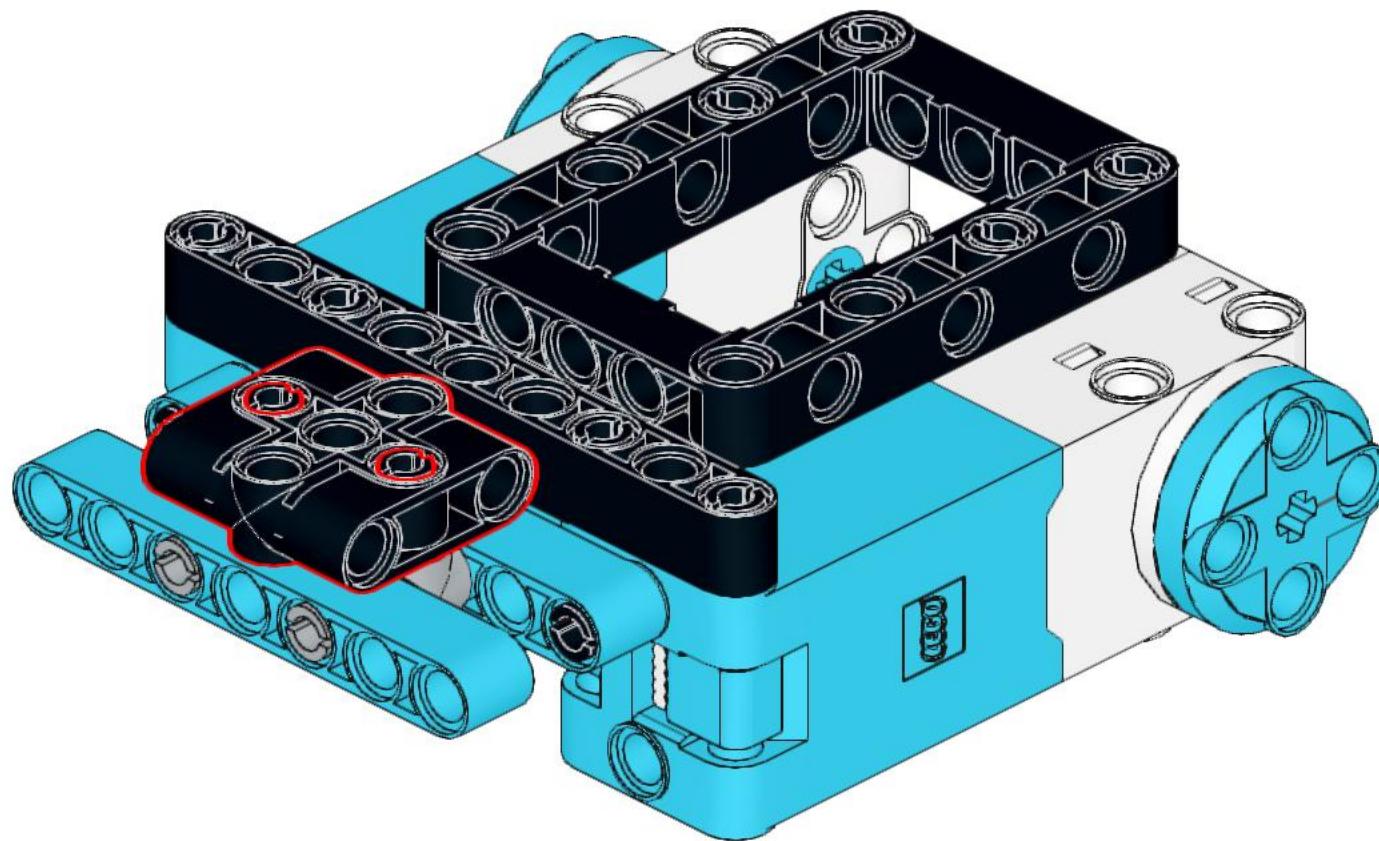
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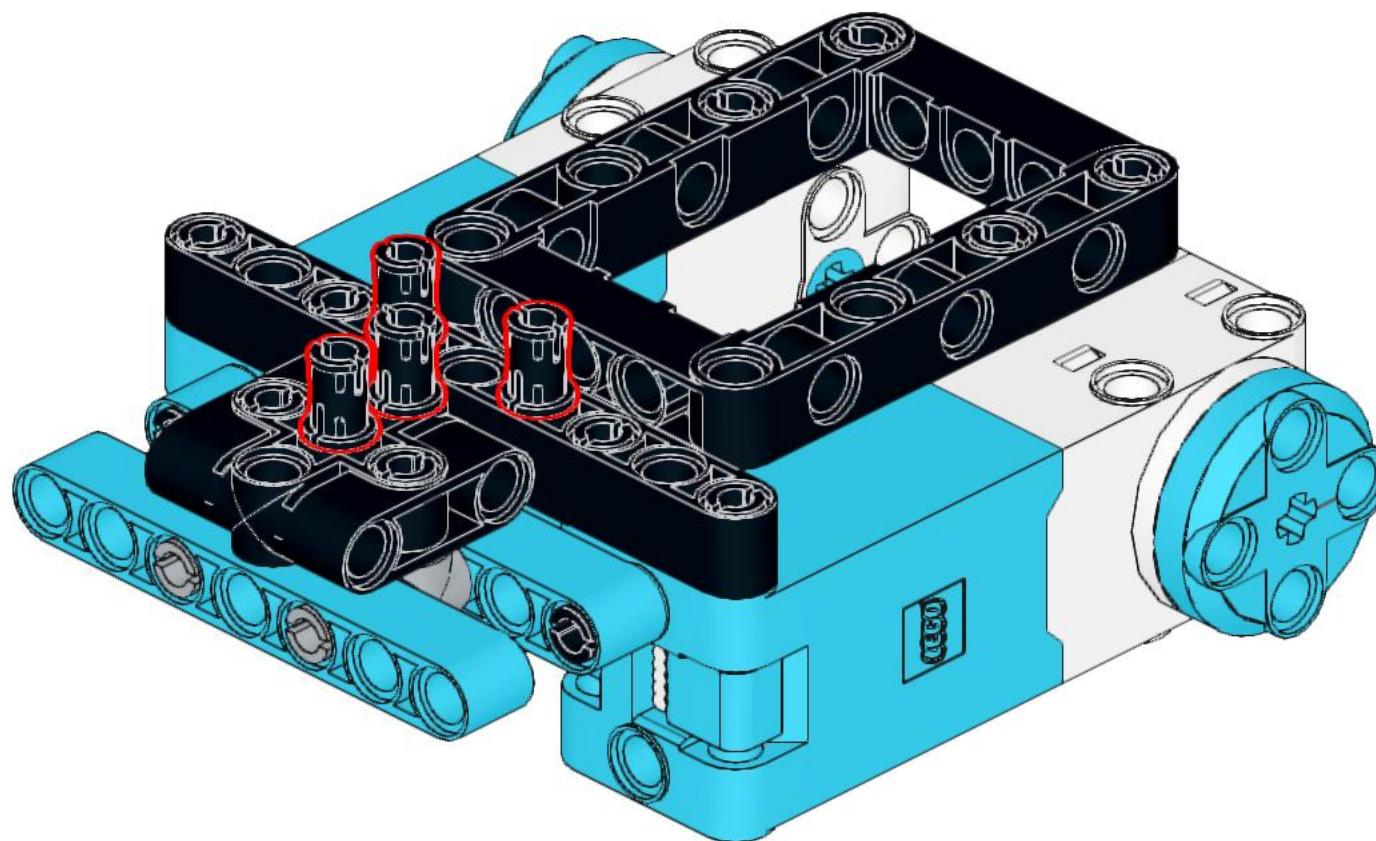
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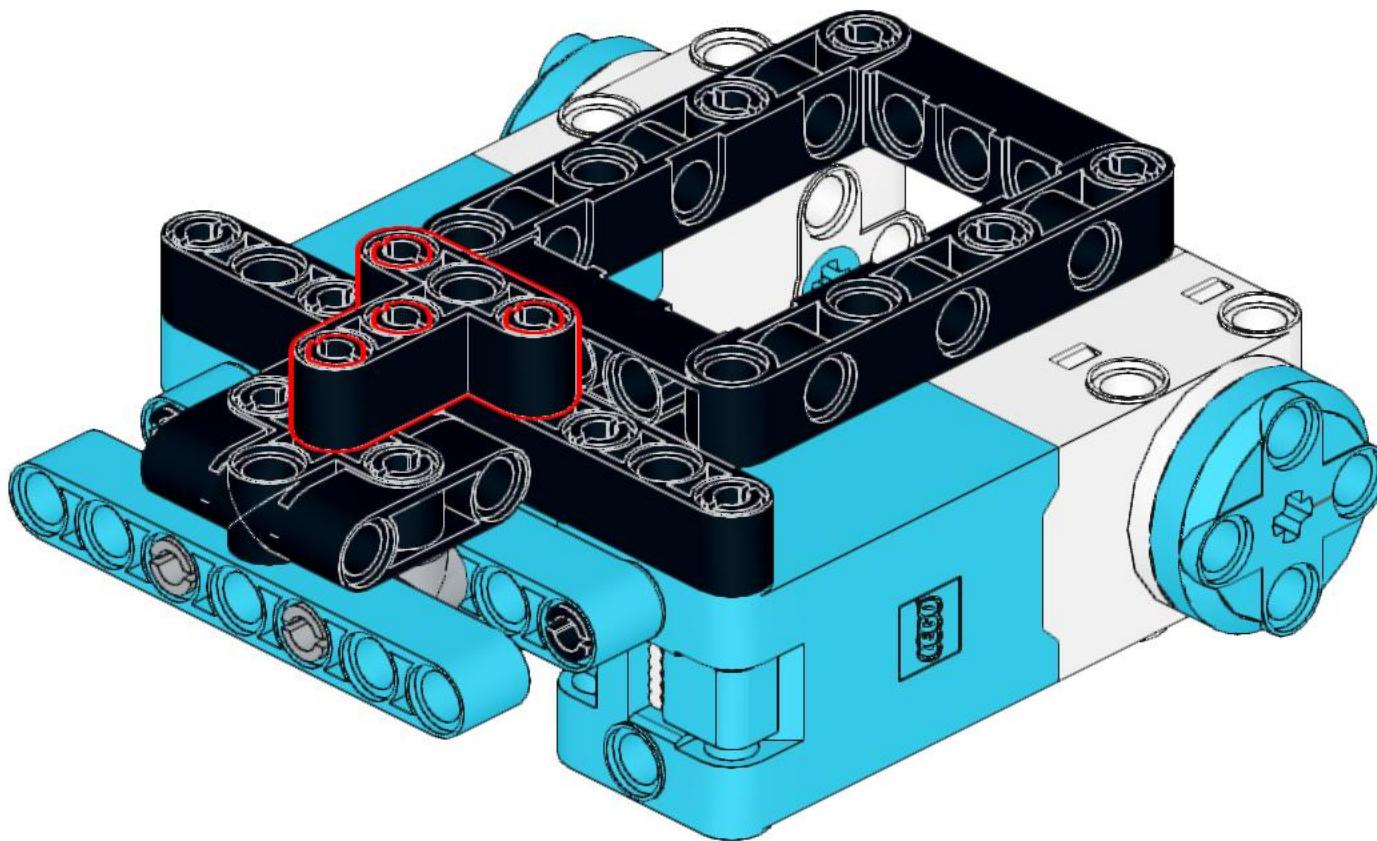
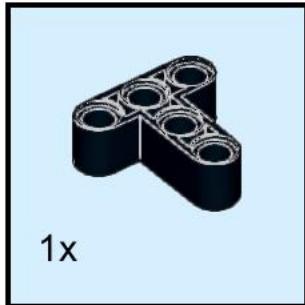
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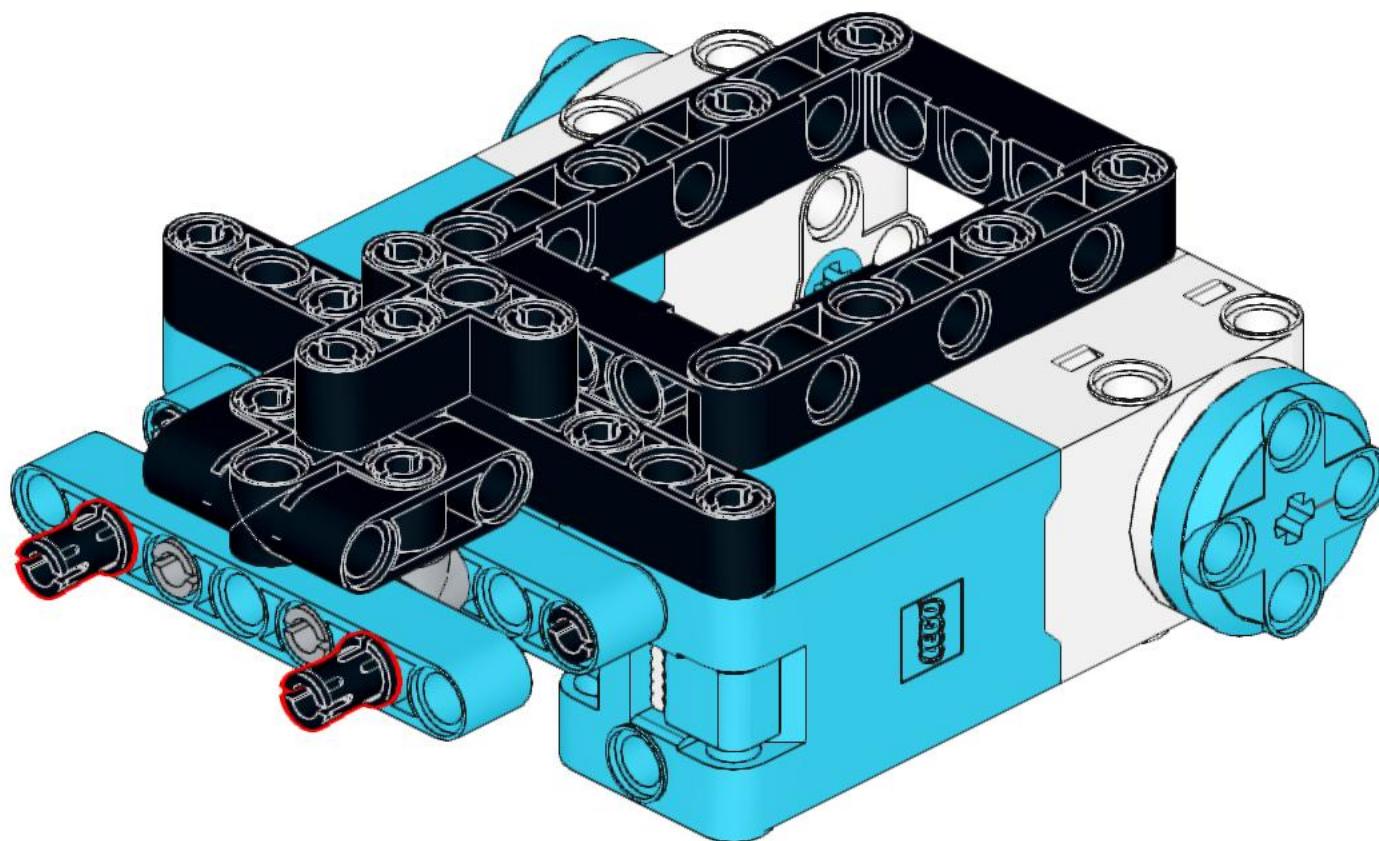
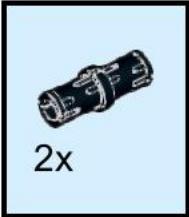
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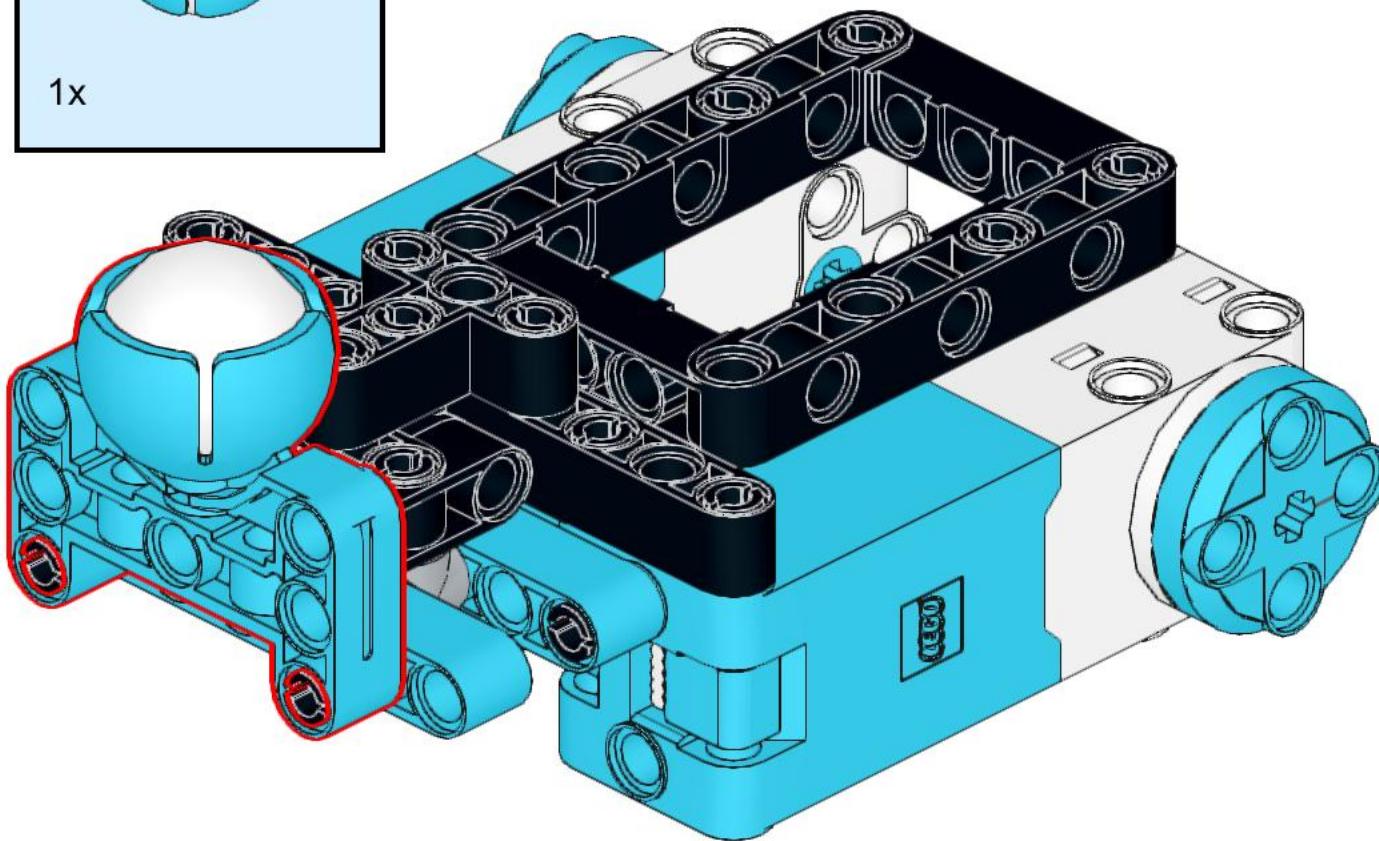
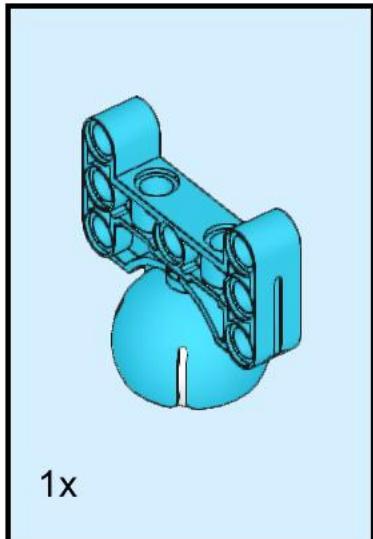
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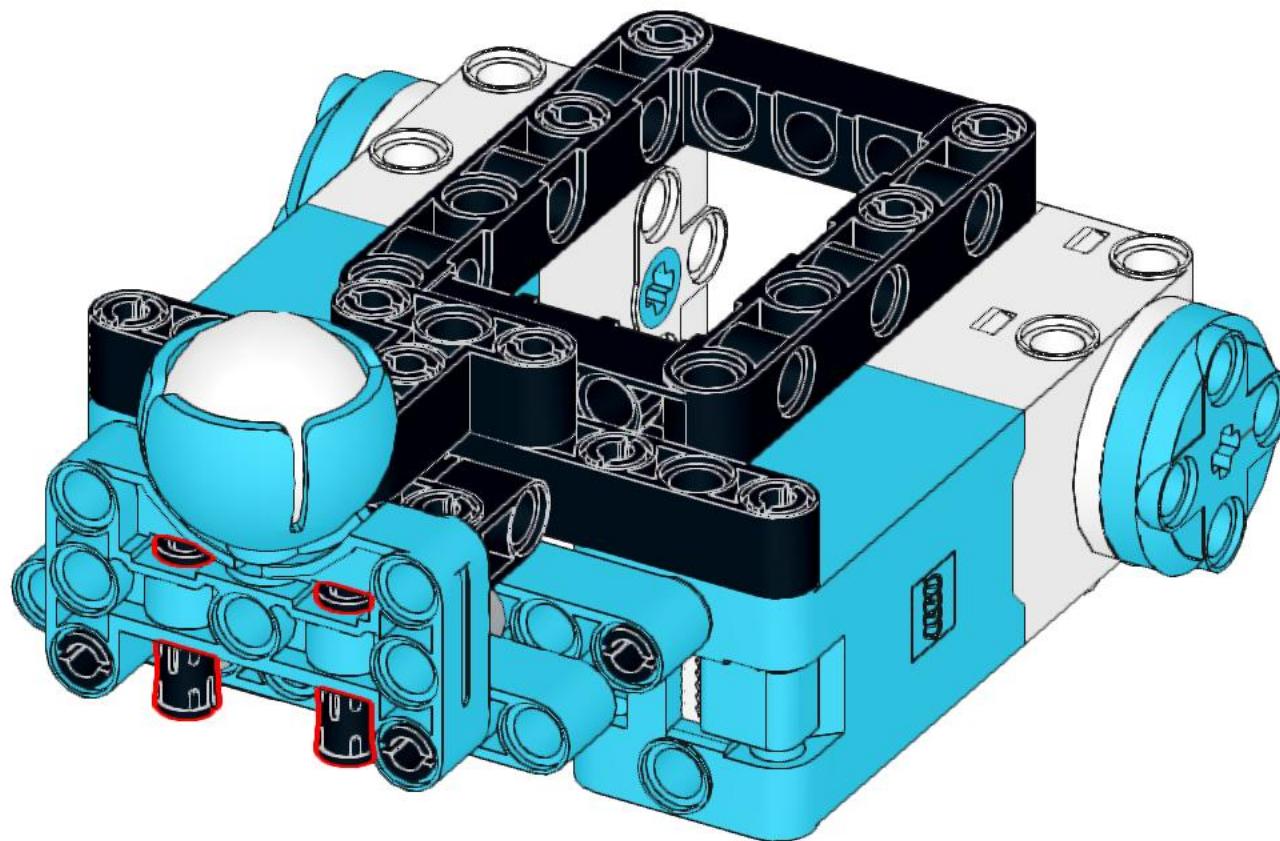
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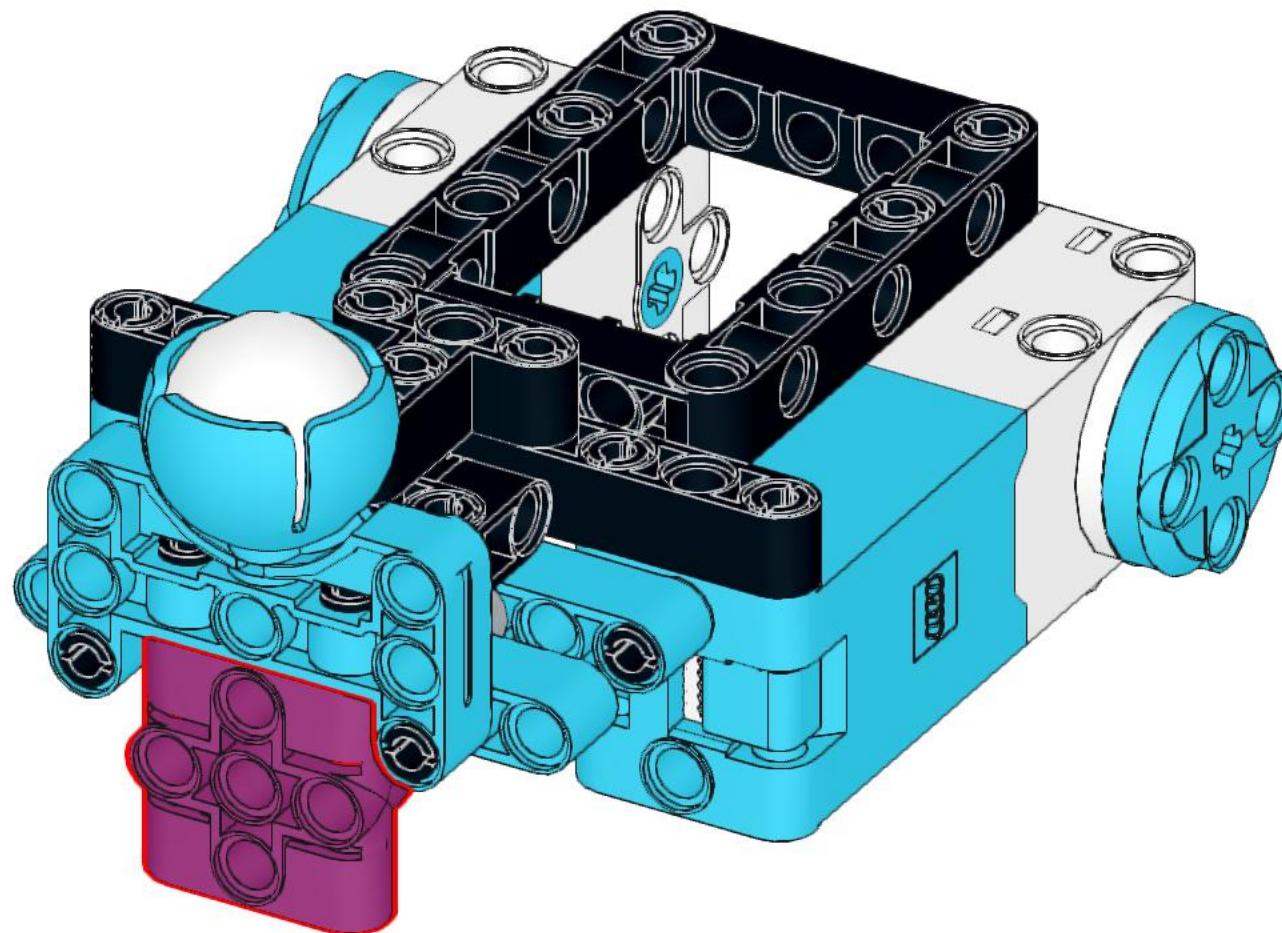
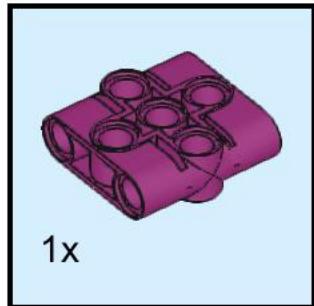
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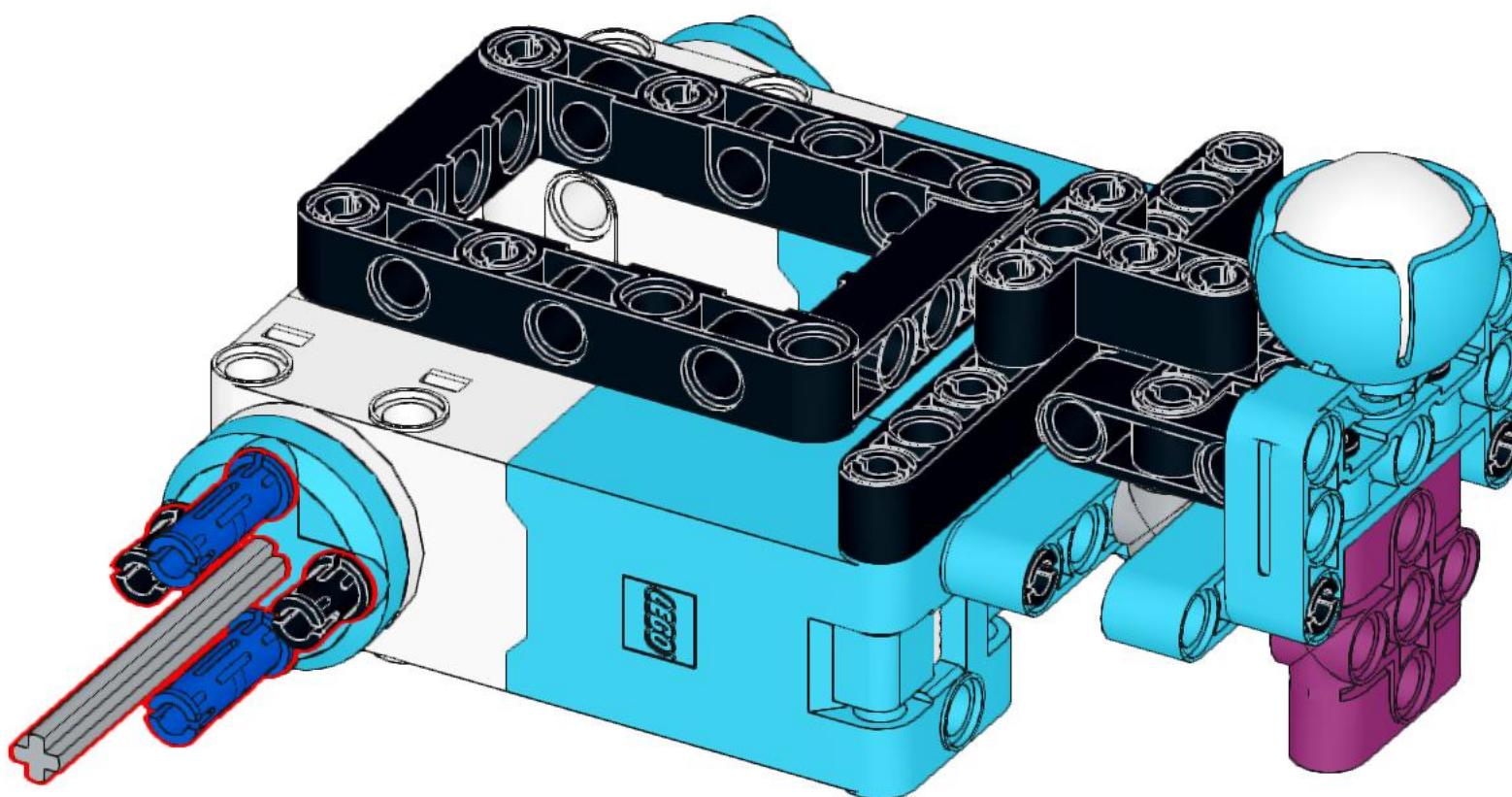
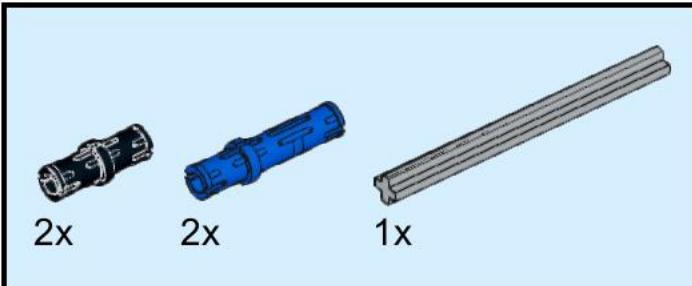
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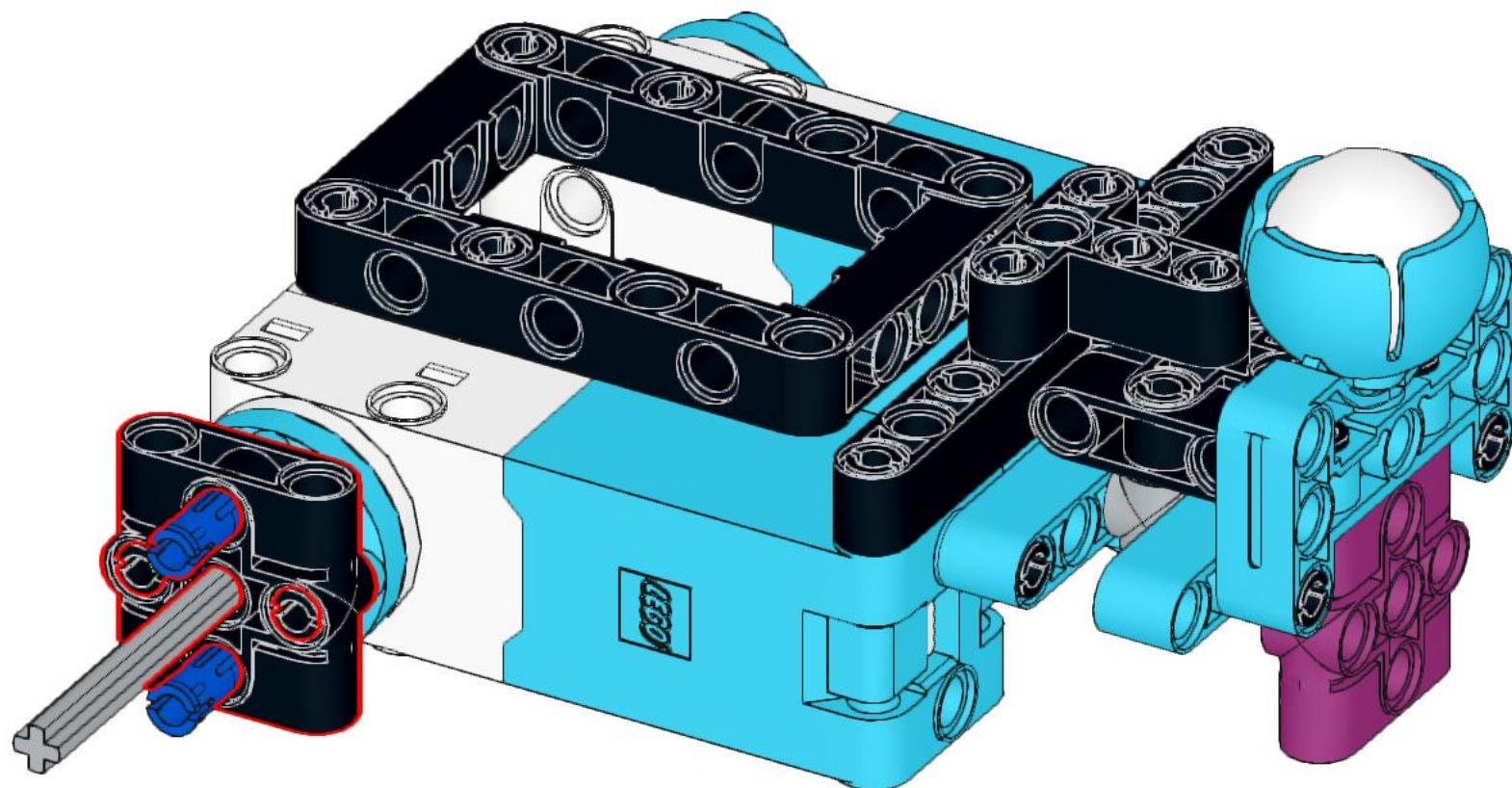
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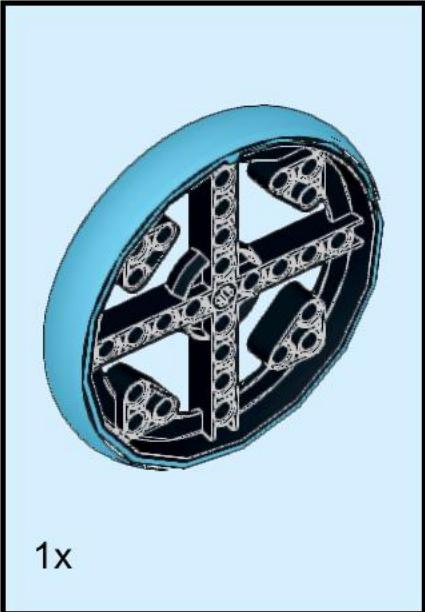


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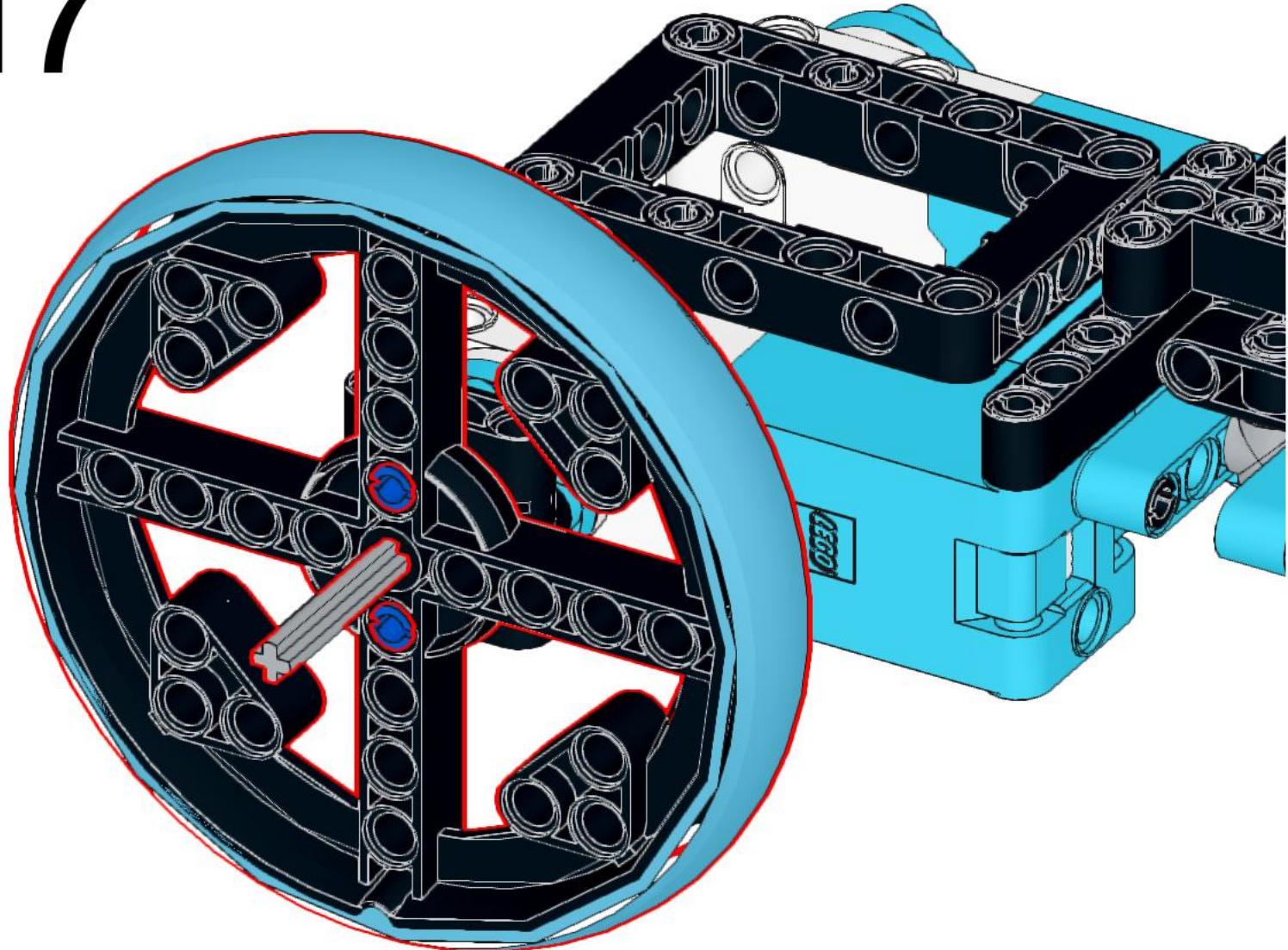


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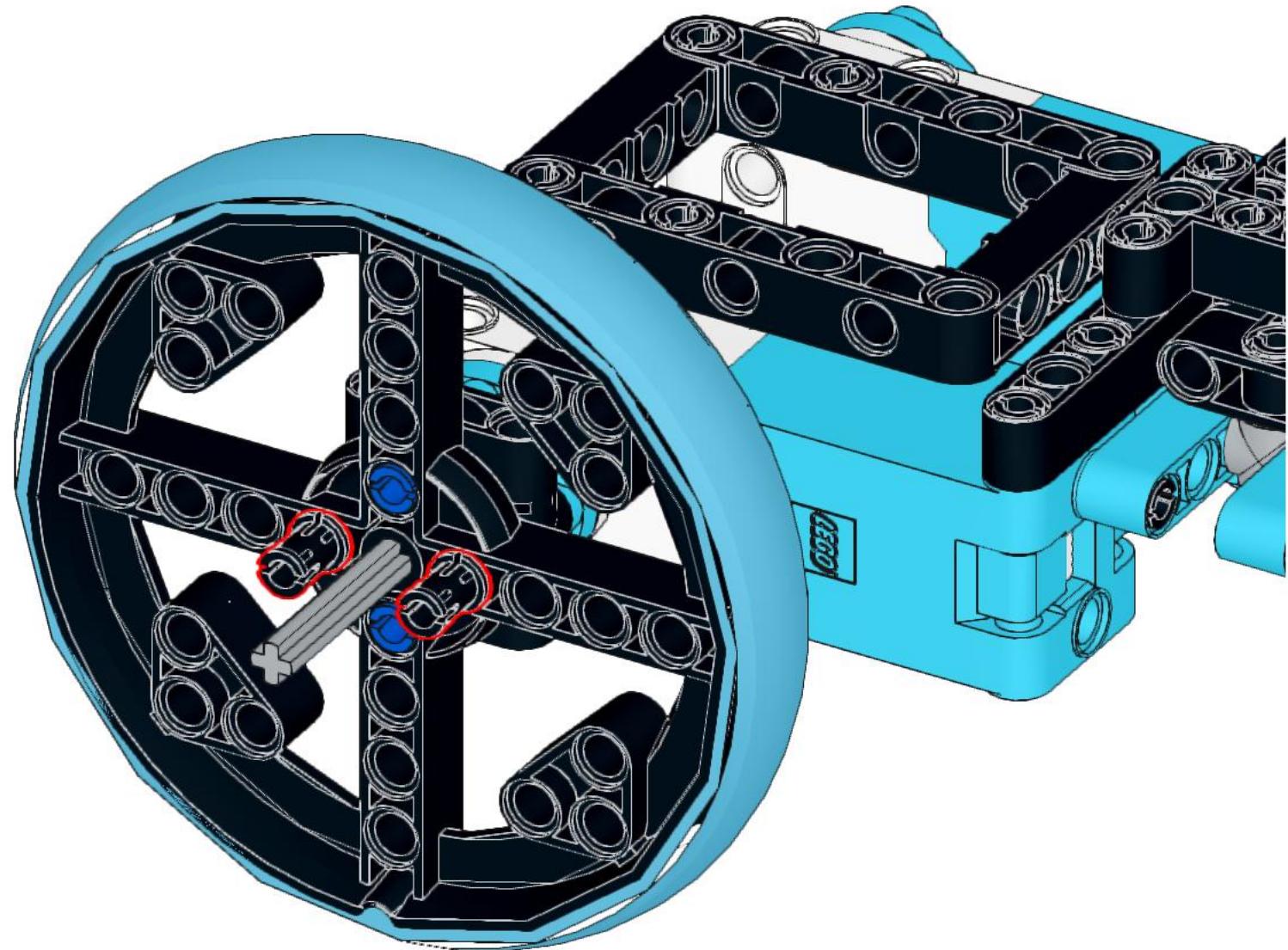
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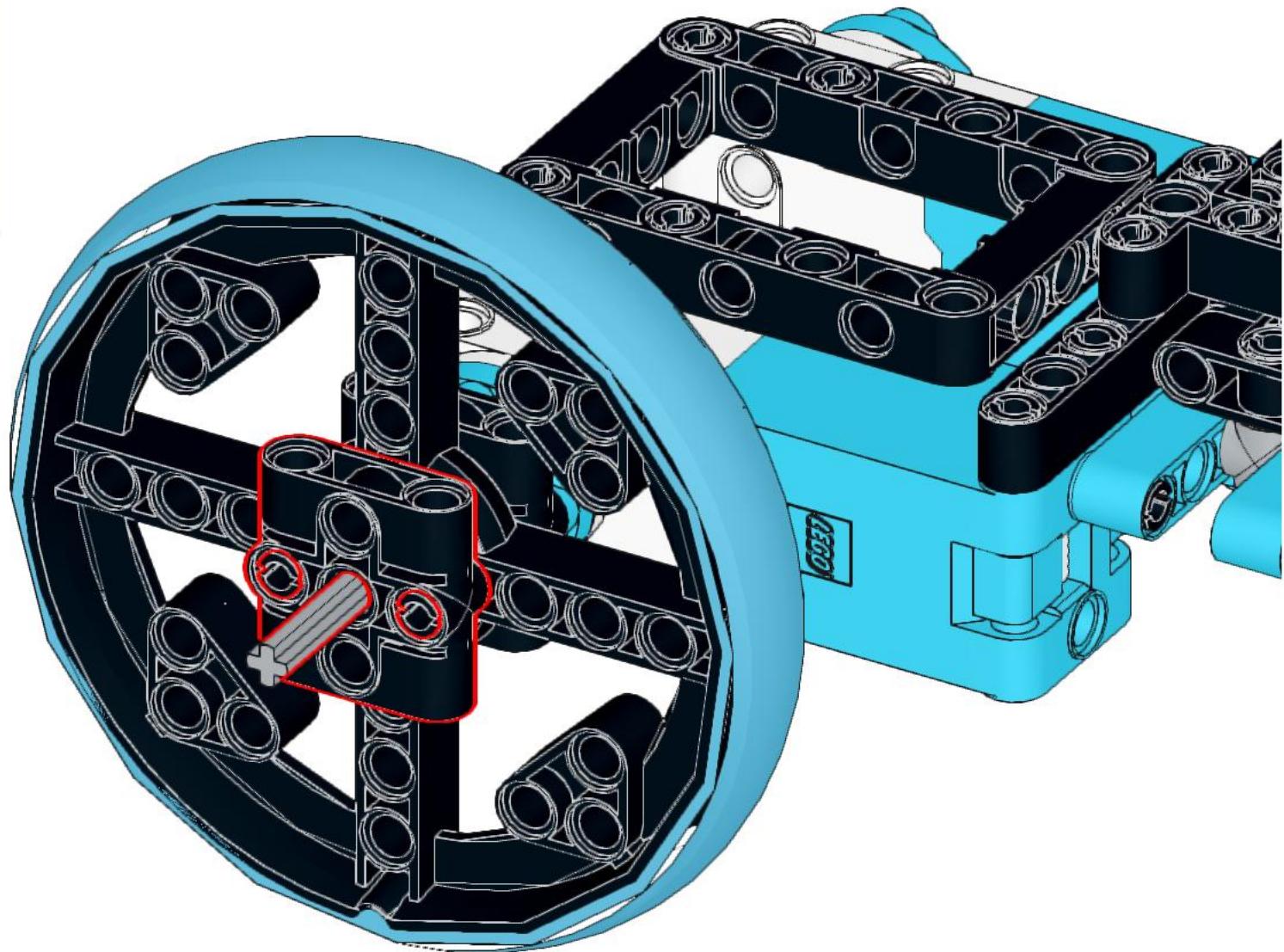
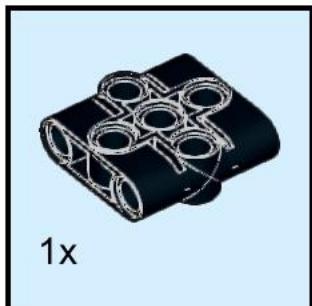
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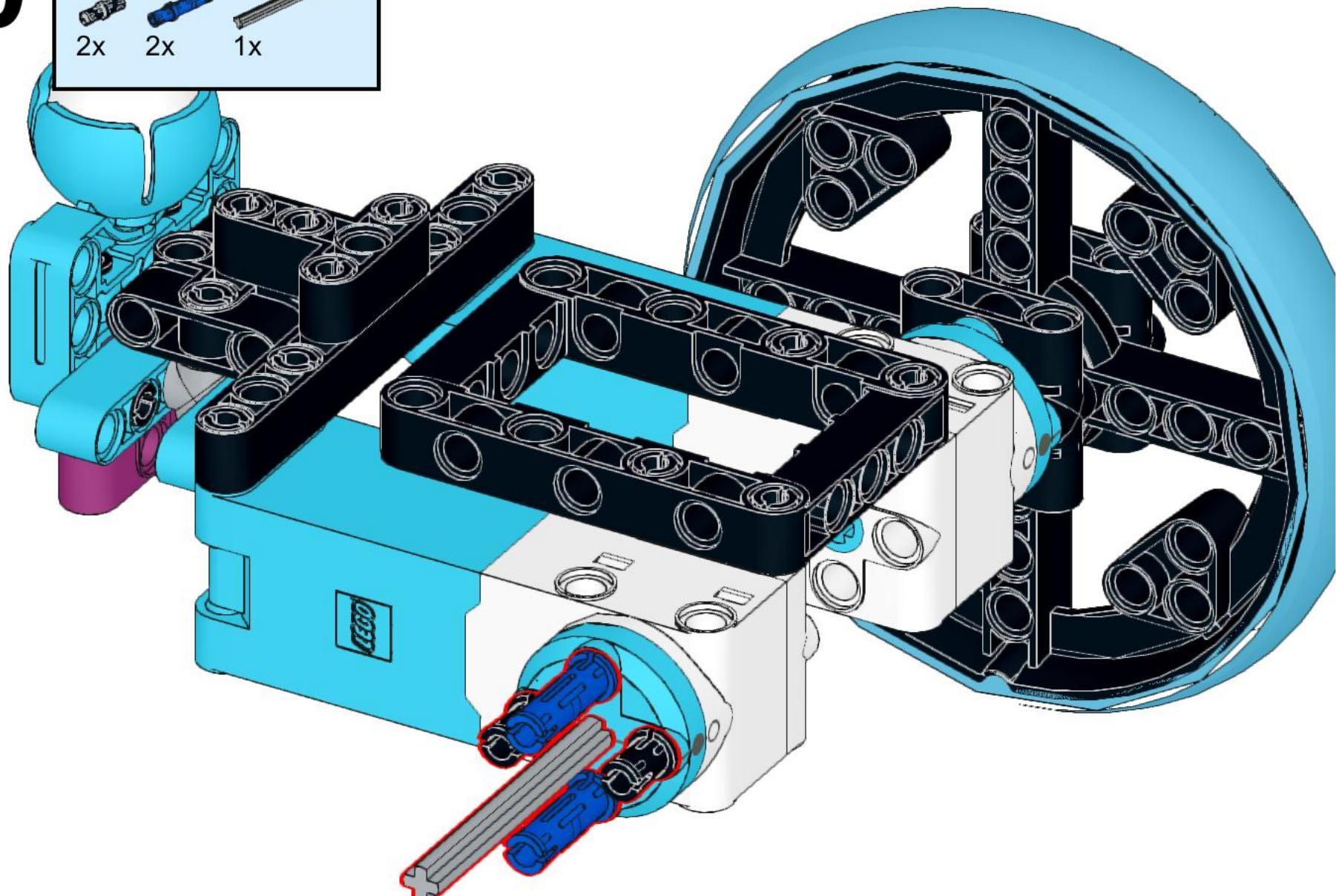
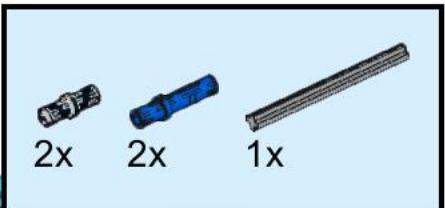
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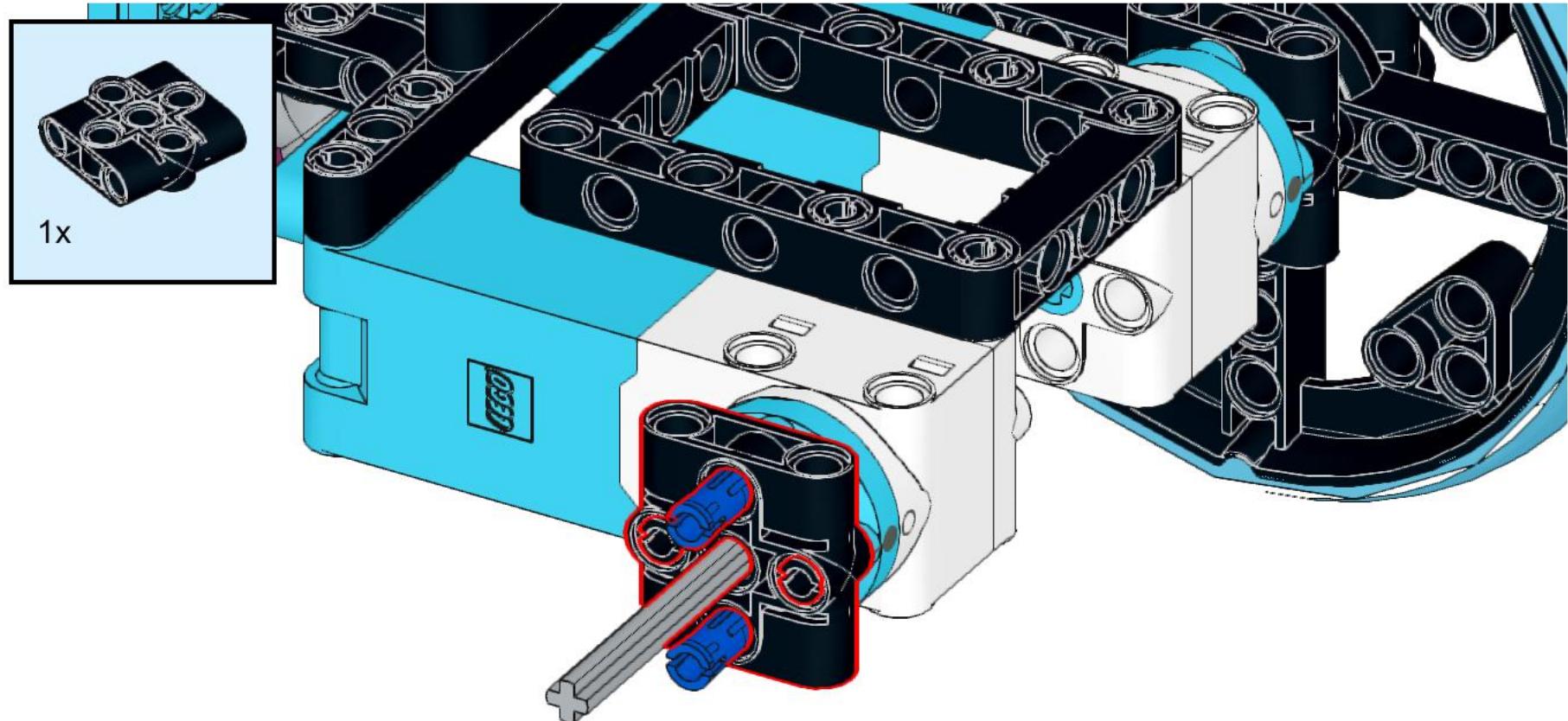
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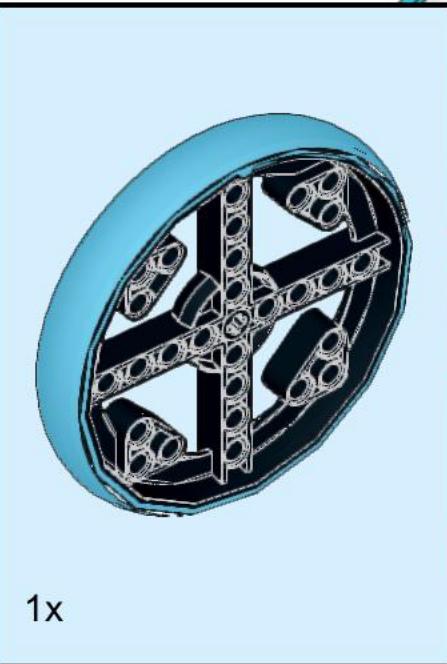


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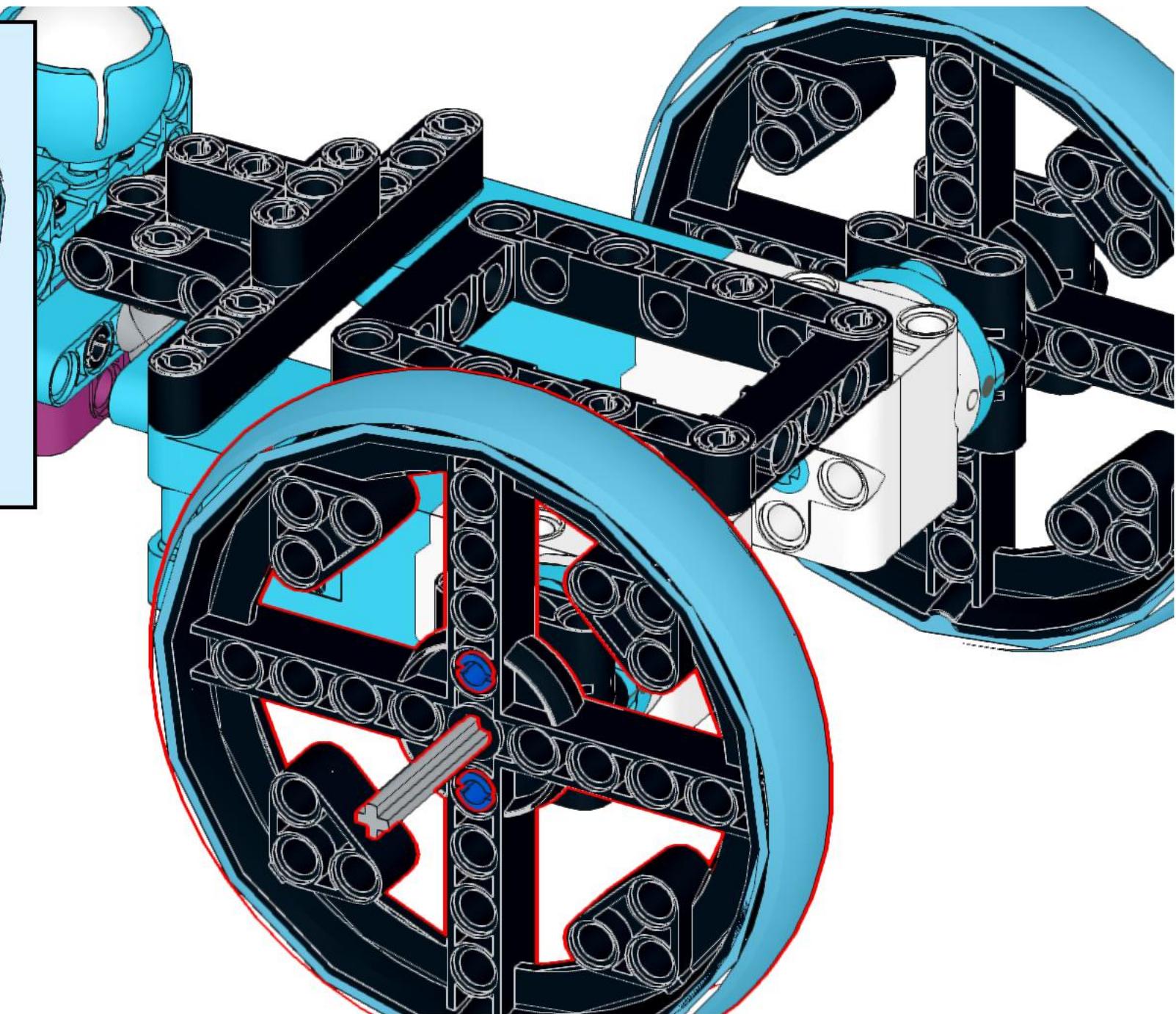
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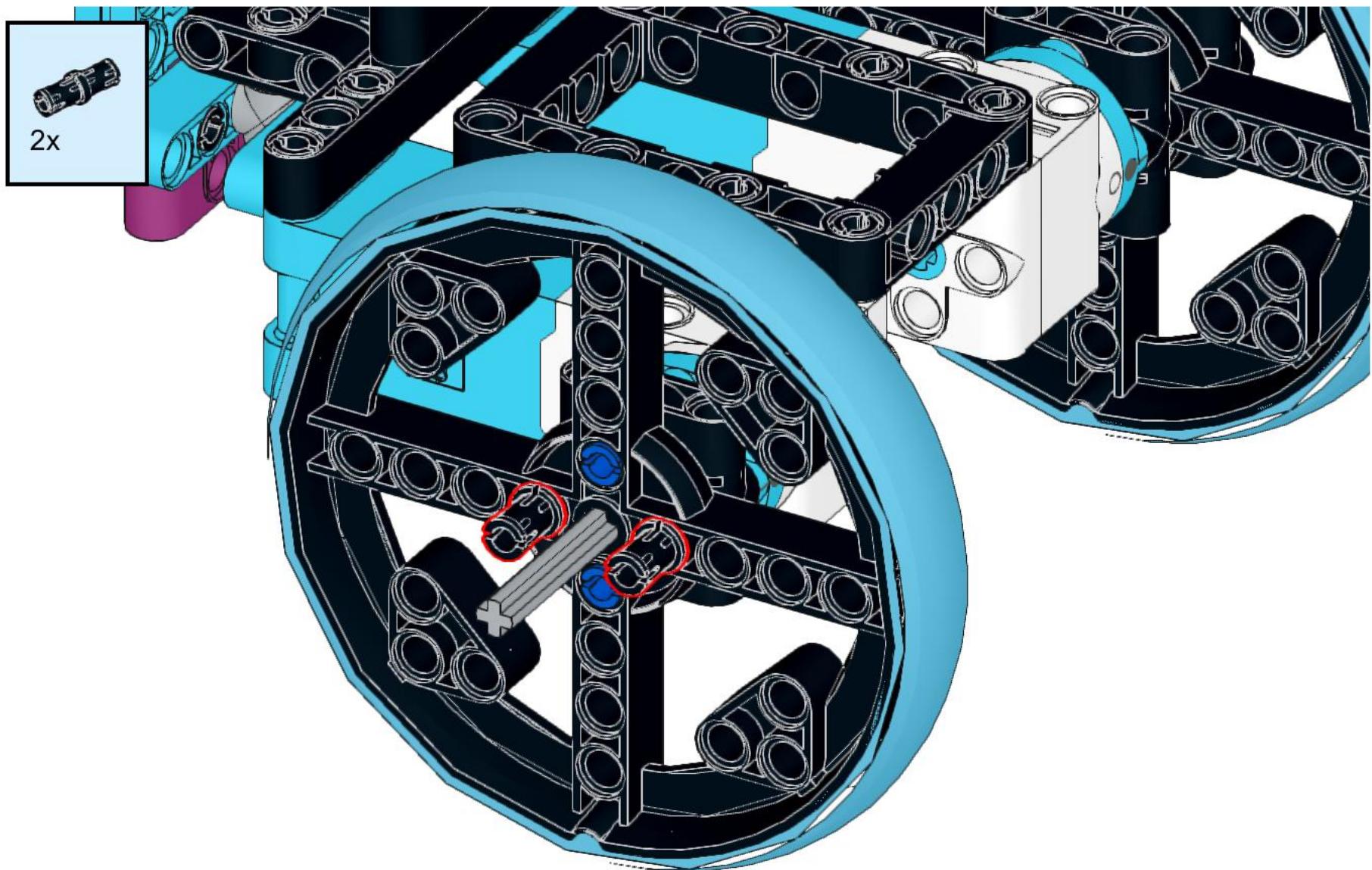


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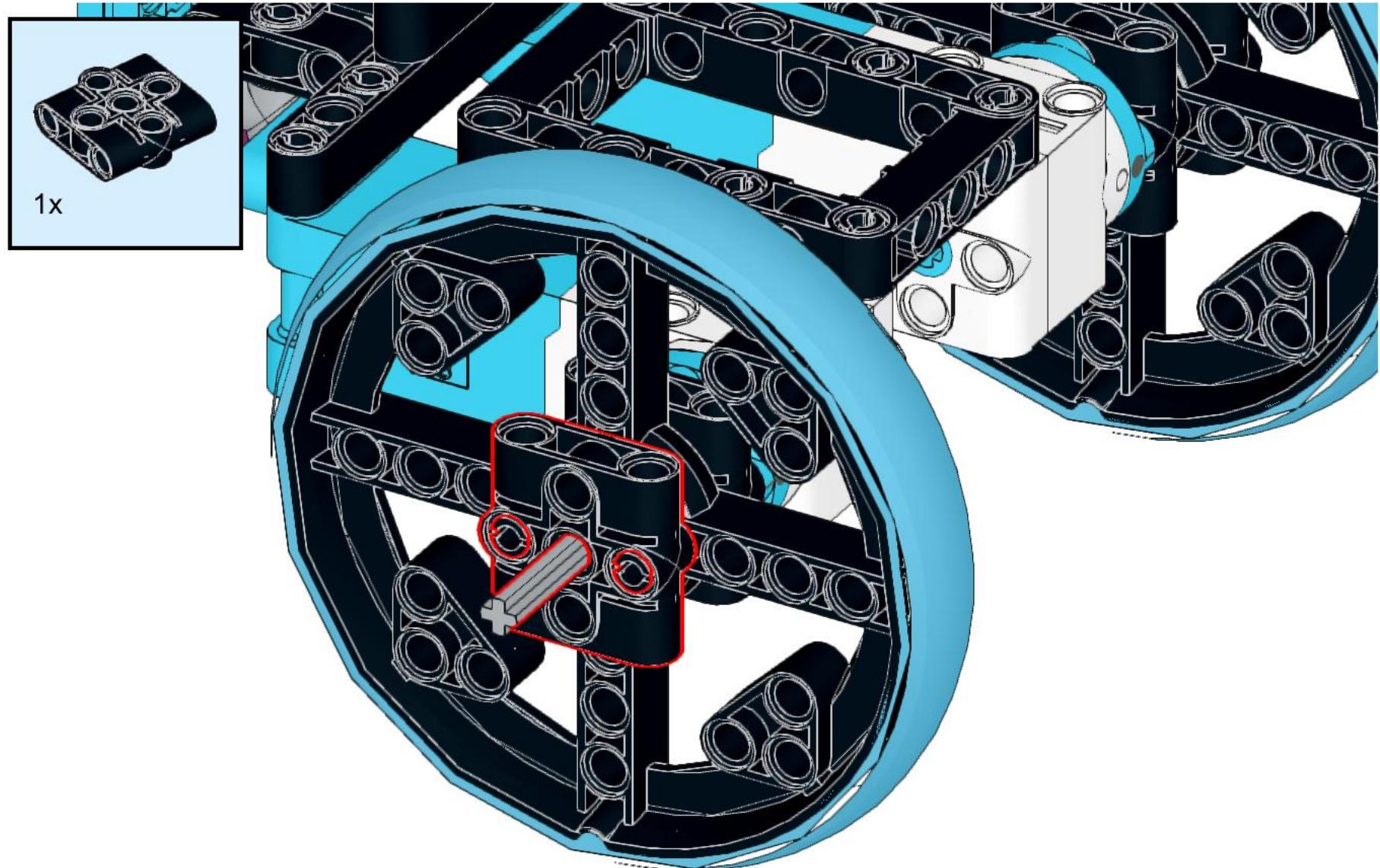
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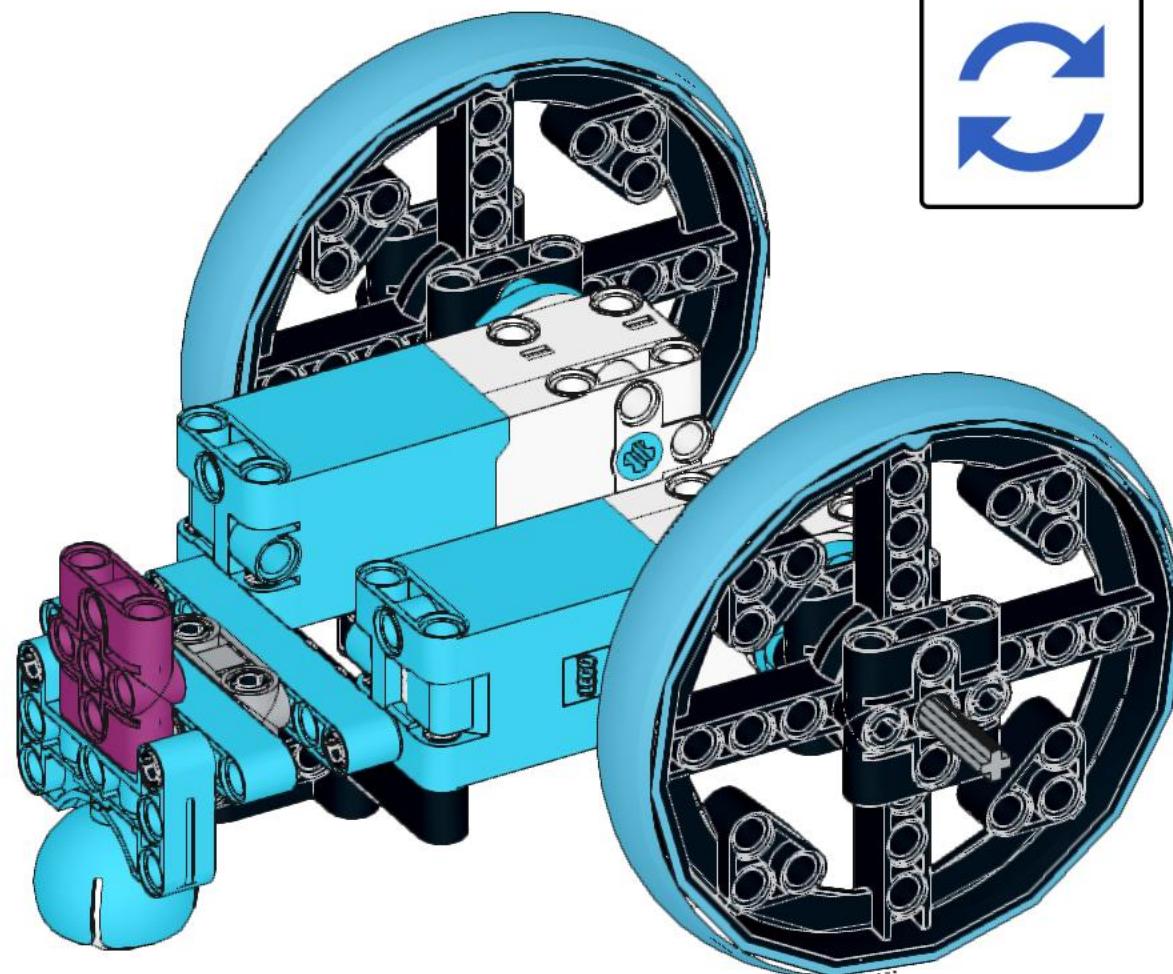
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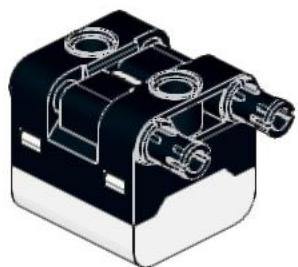
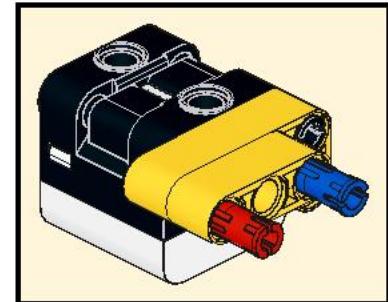
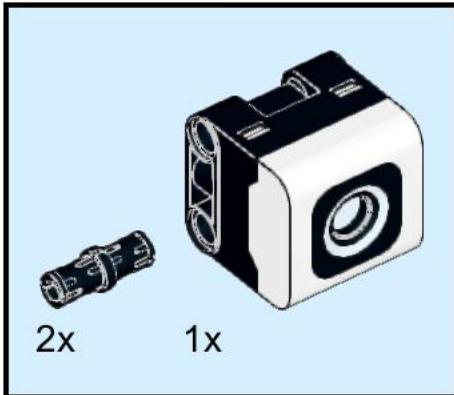
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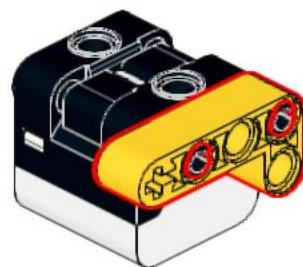
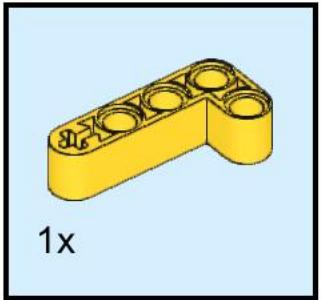
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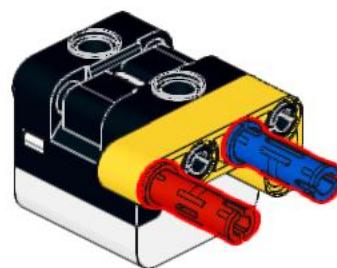
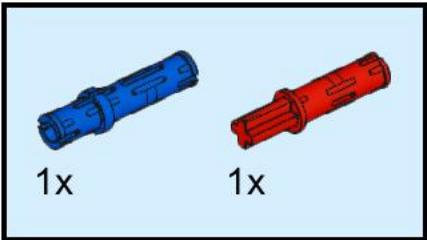
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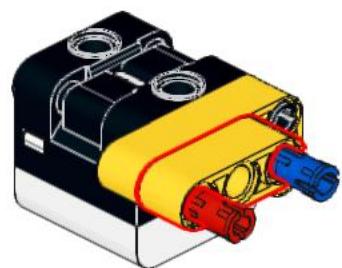
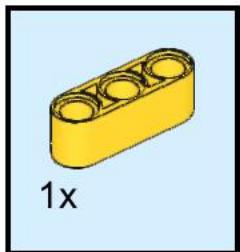
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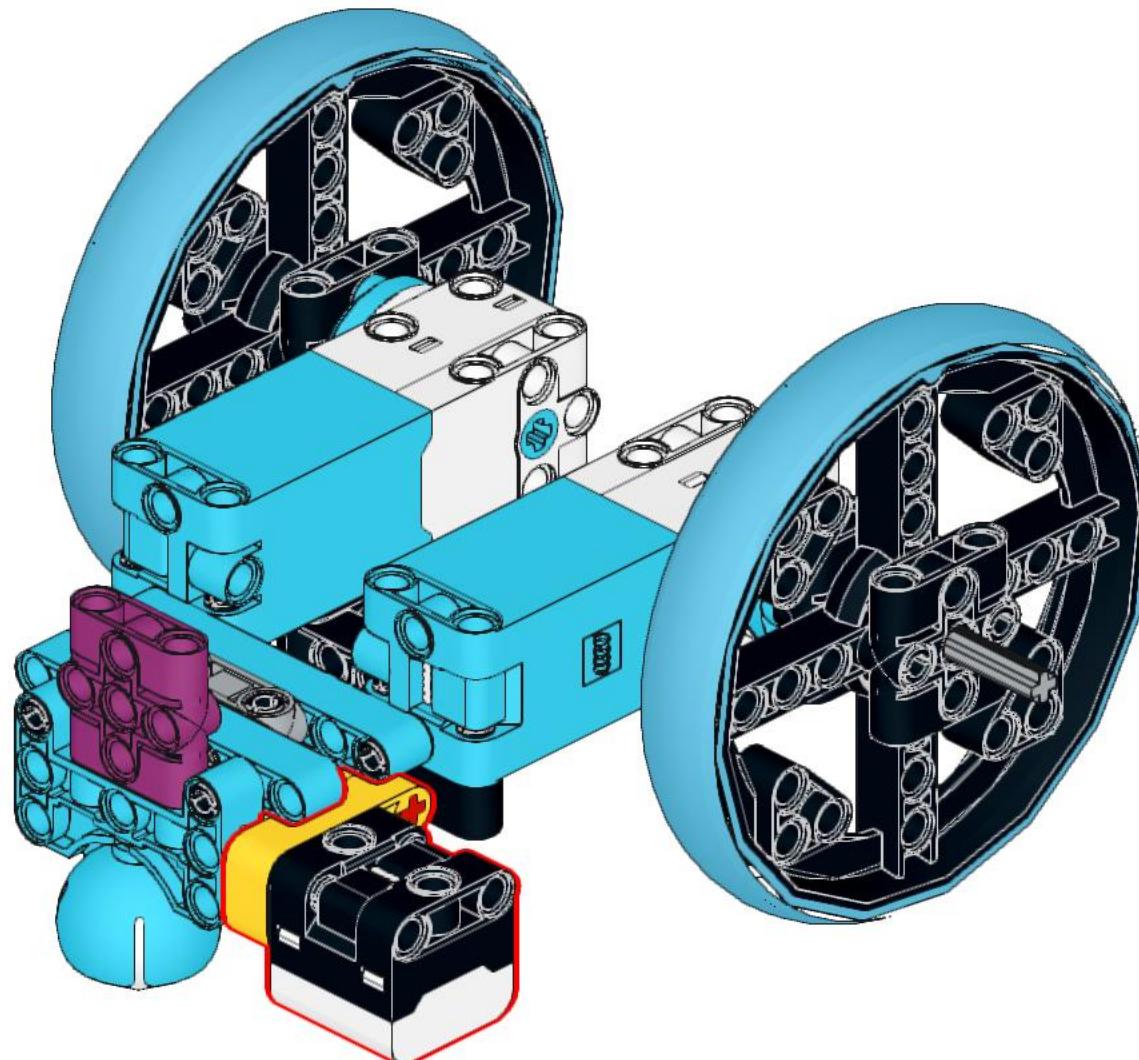
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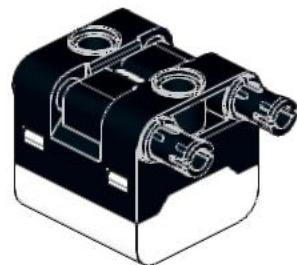
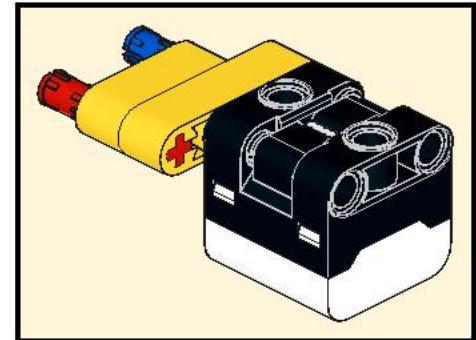
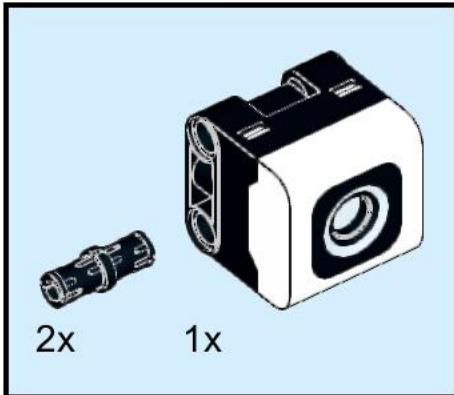
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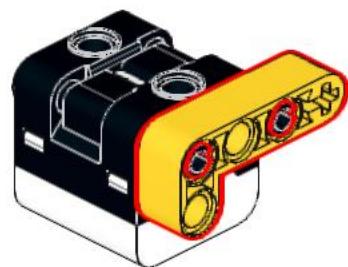
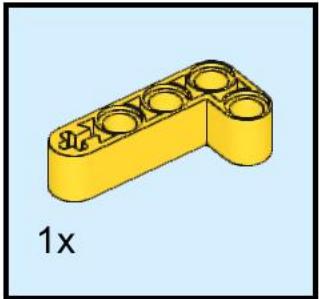
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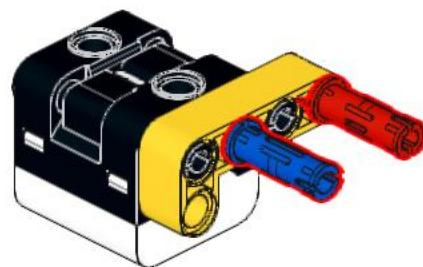
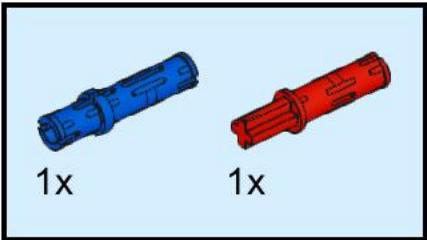
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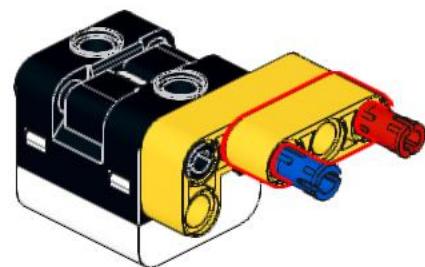
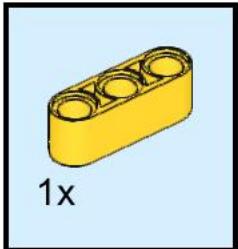
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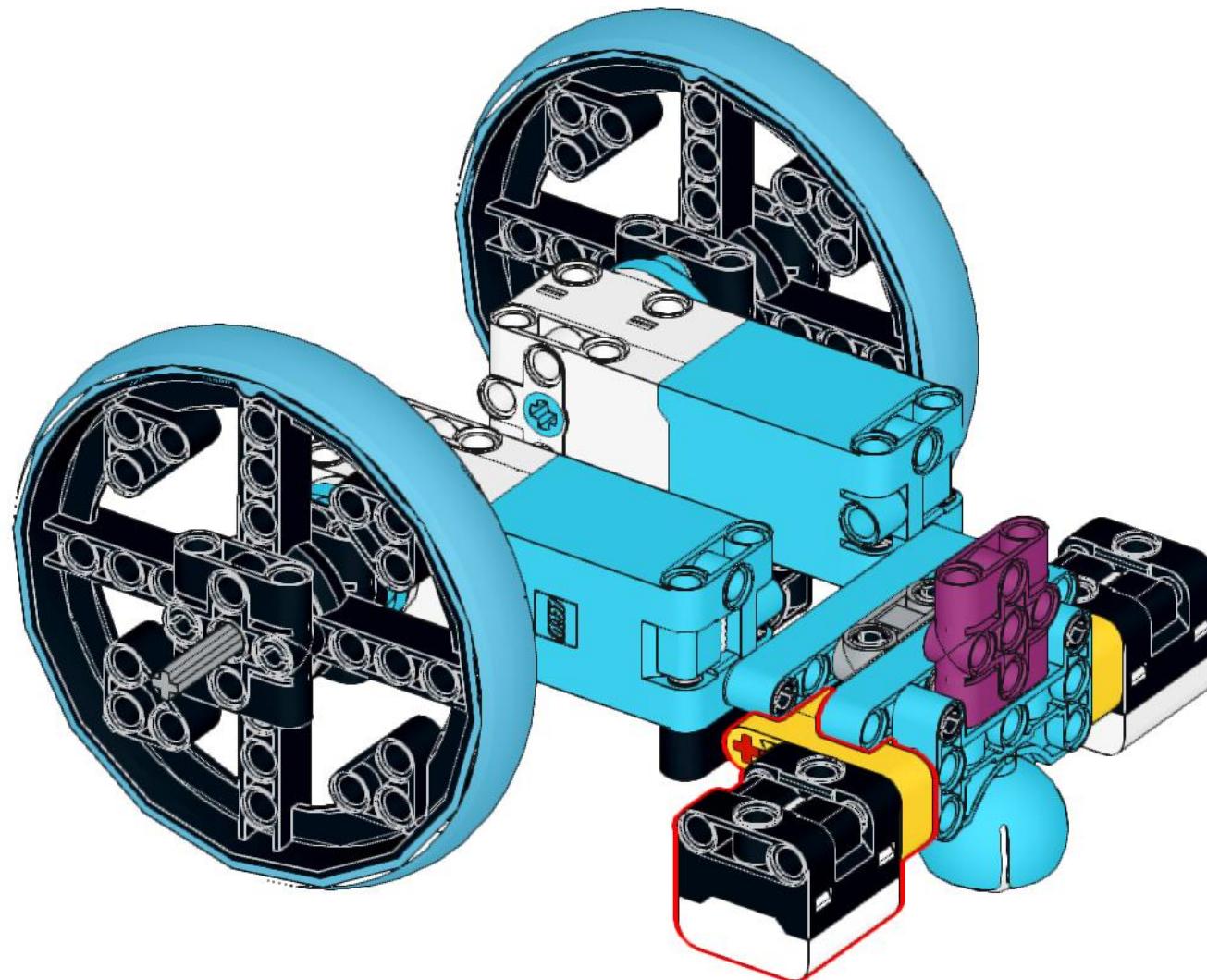


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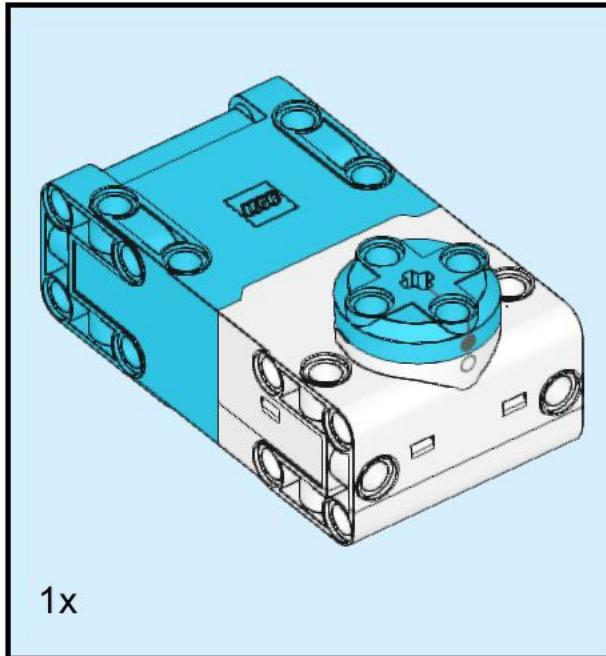


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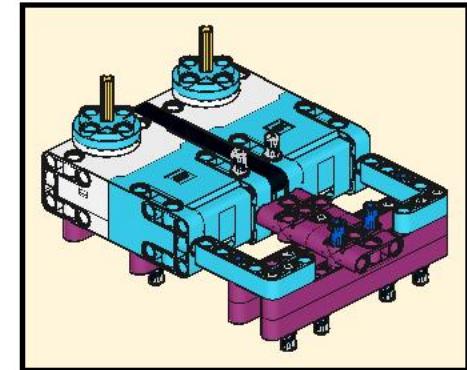
Part 1  
Drivetrain  
Done!



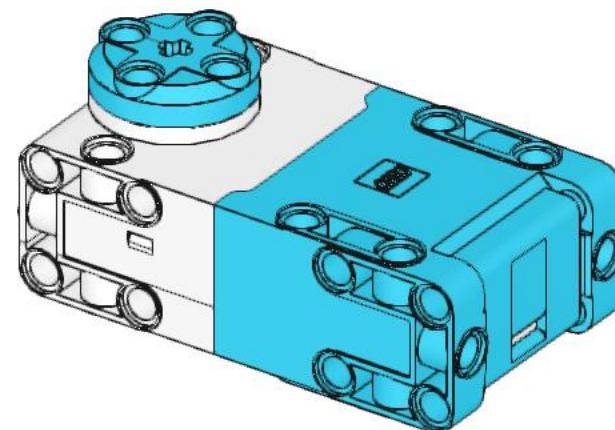
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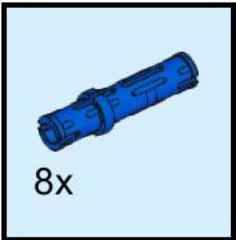
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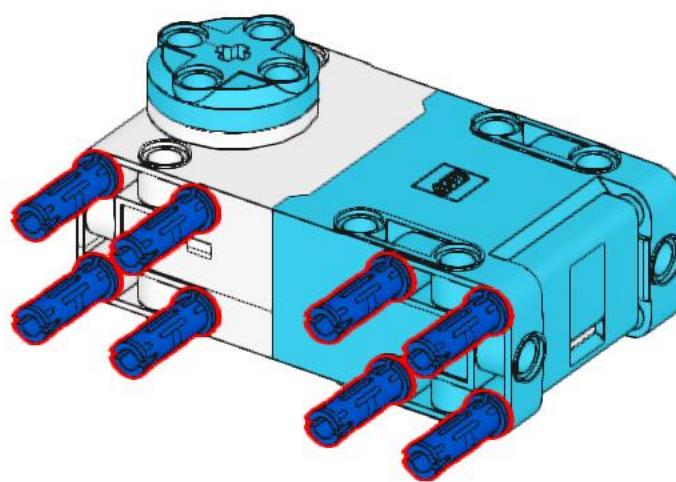
## Part 2: Attachment Motors



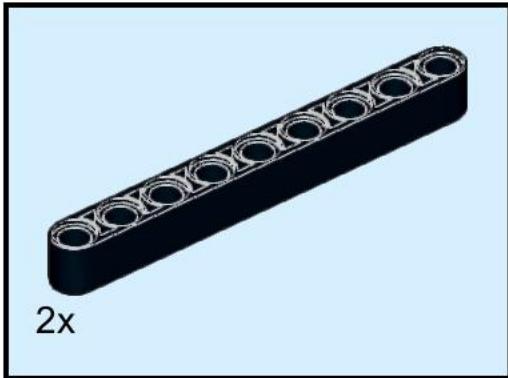
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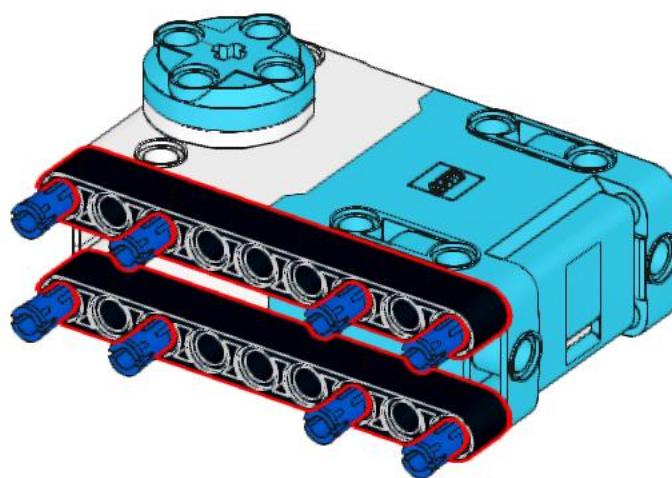
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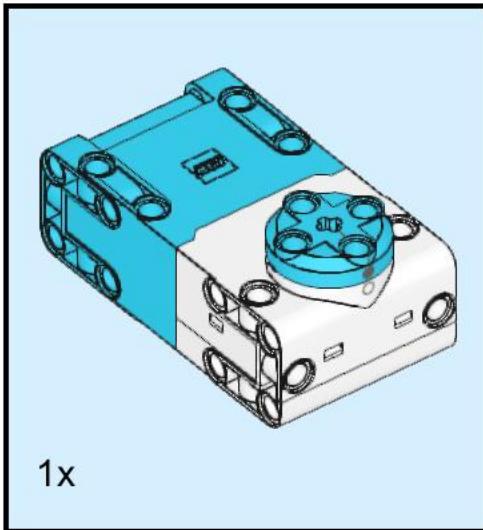
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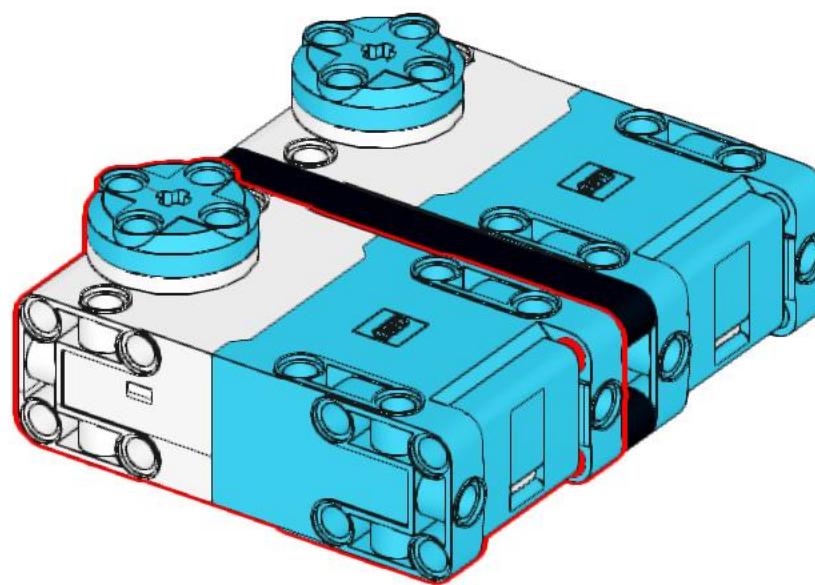
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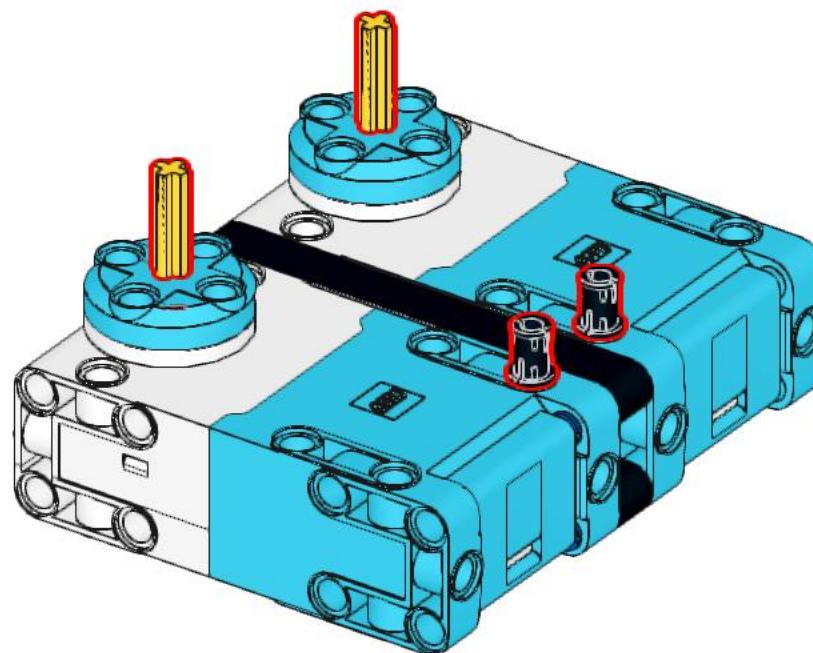
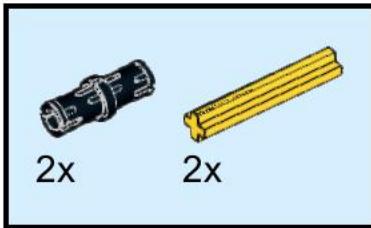
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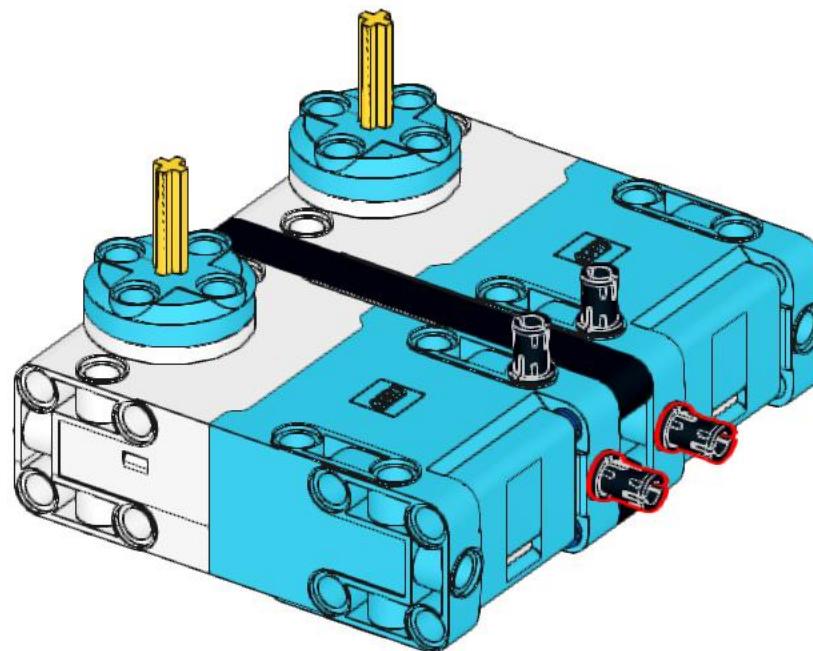
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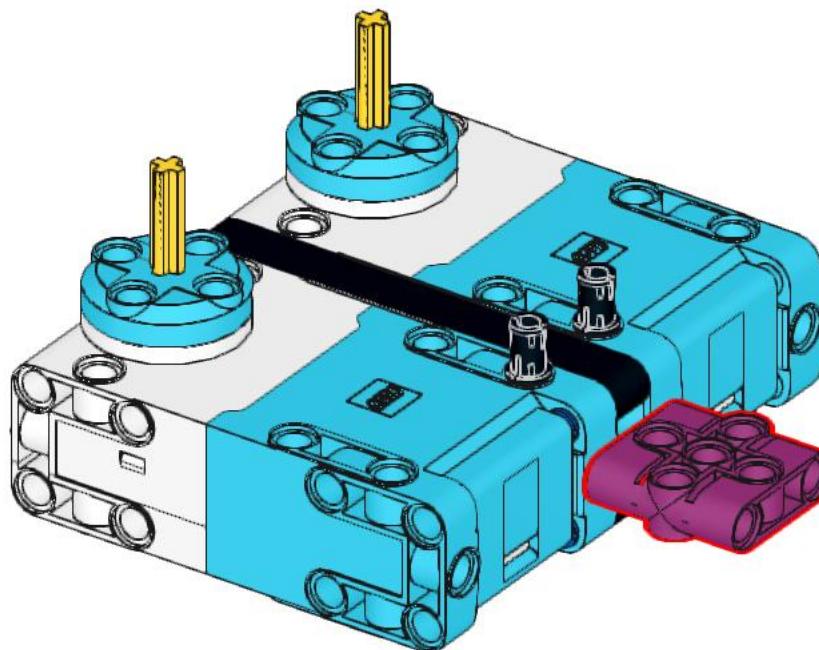
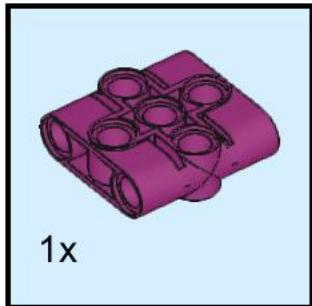
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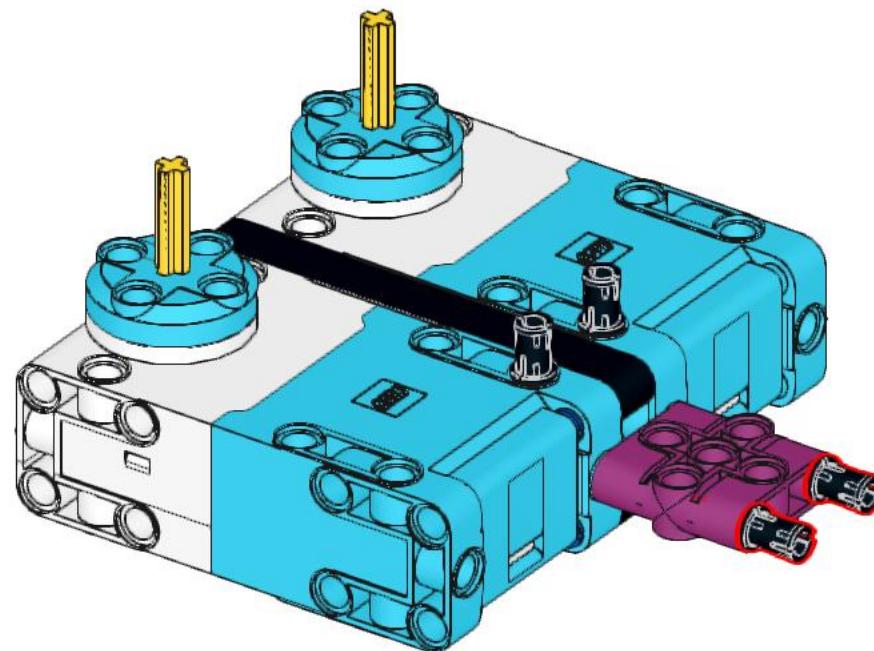
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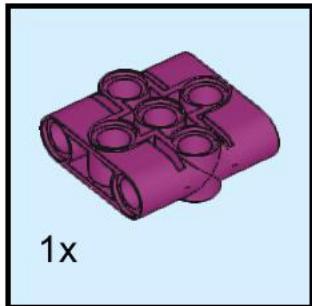
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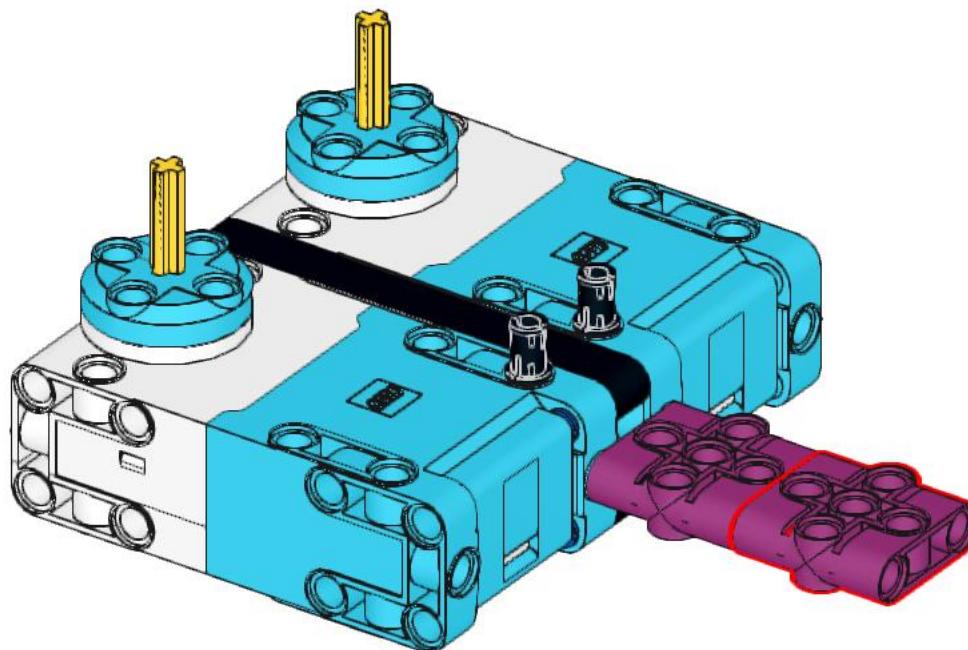
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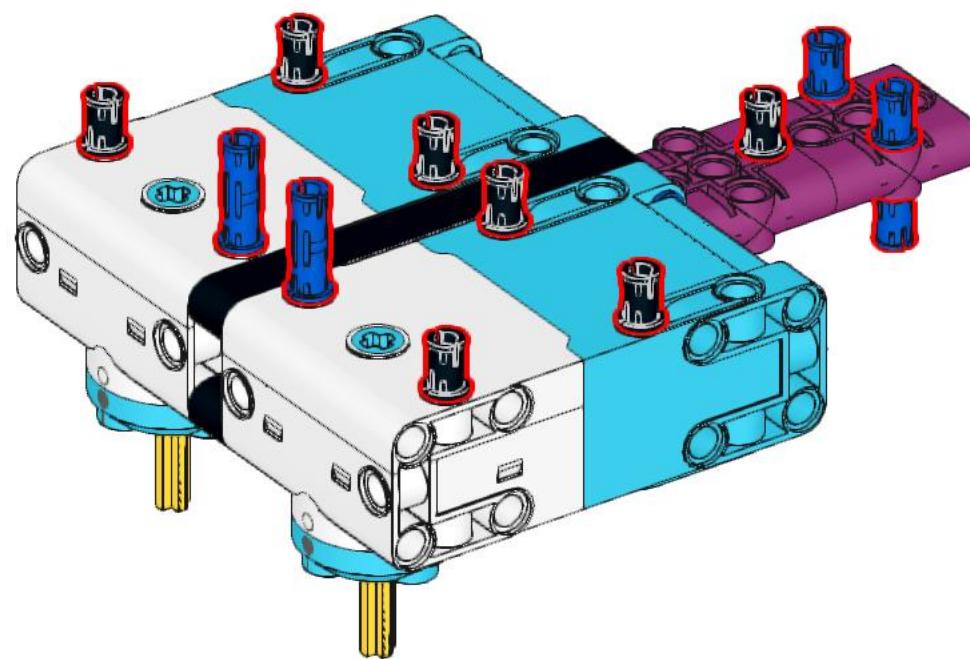
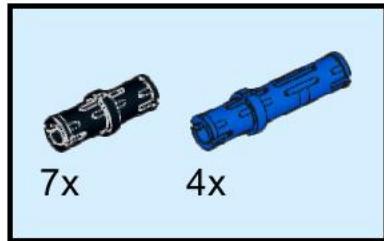
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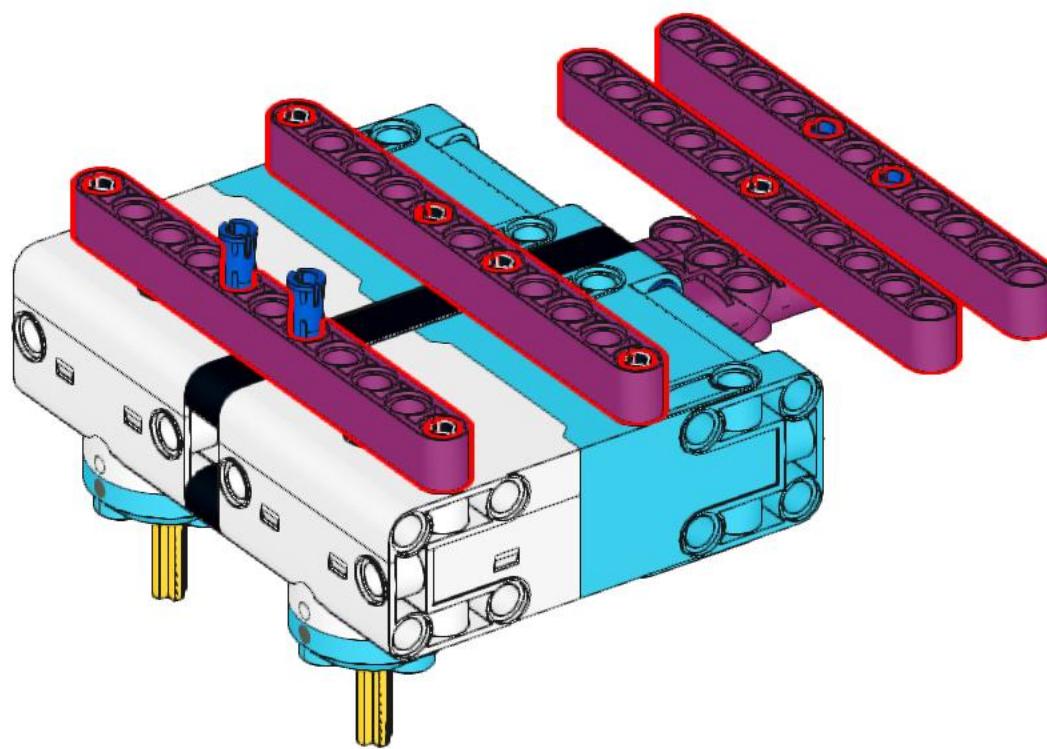
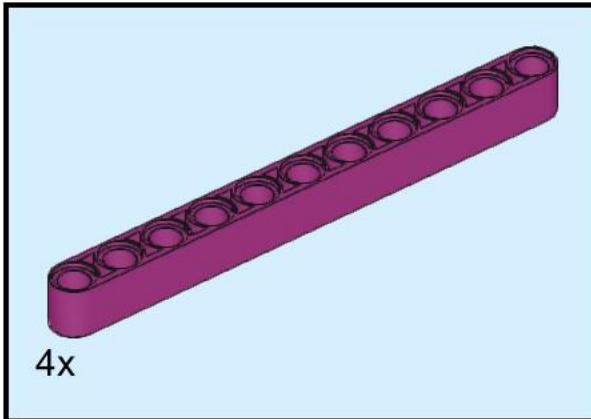
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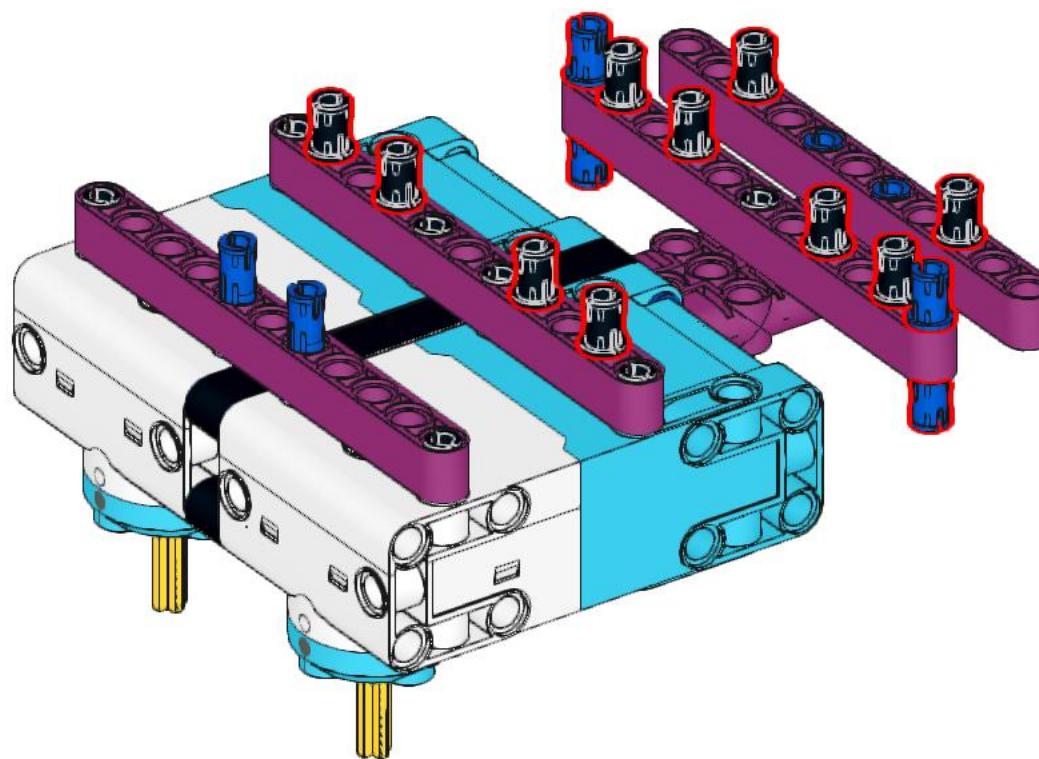
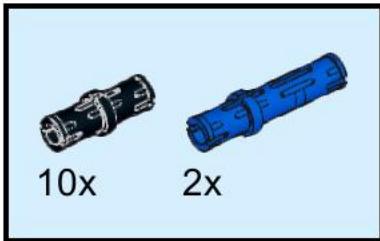
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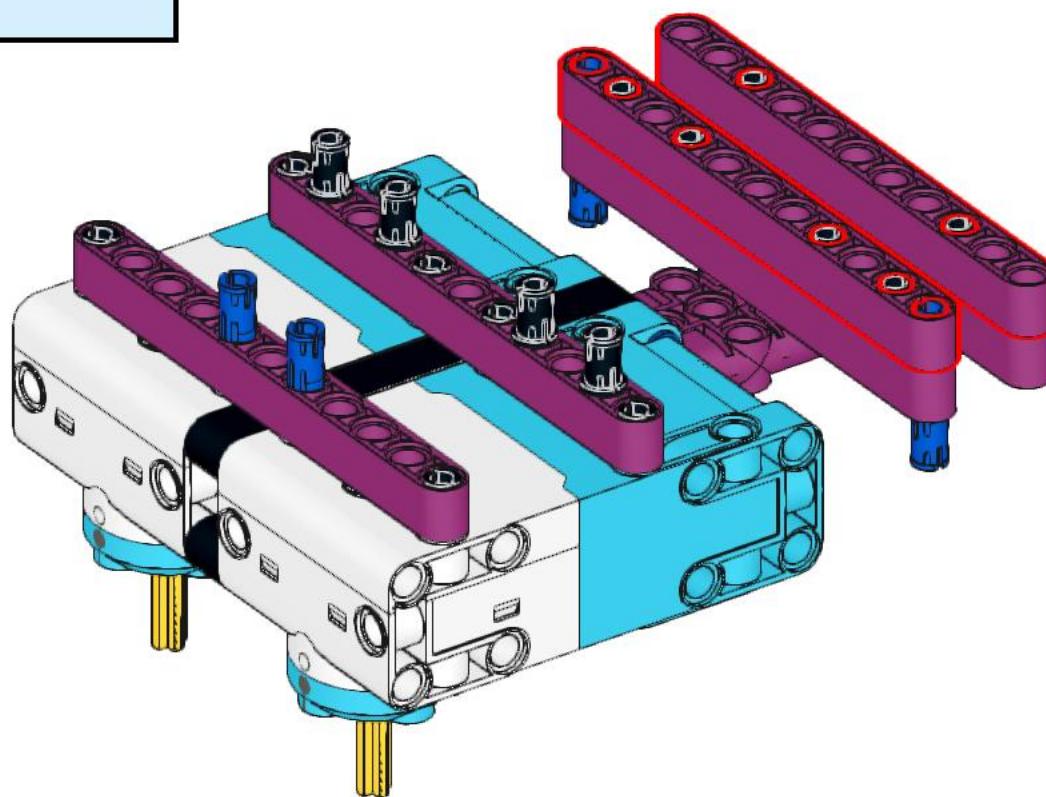
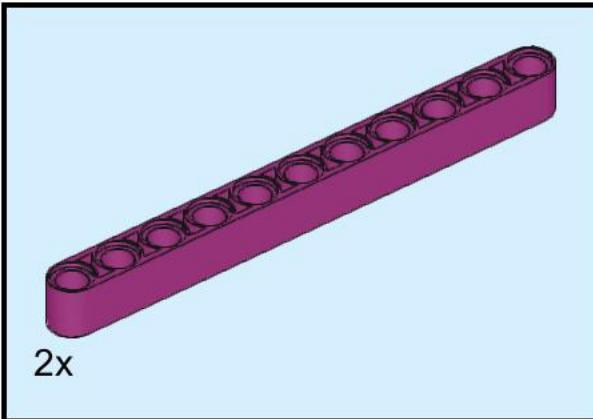
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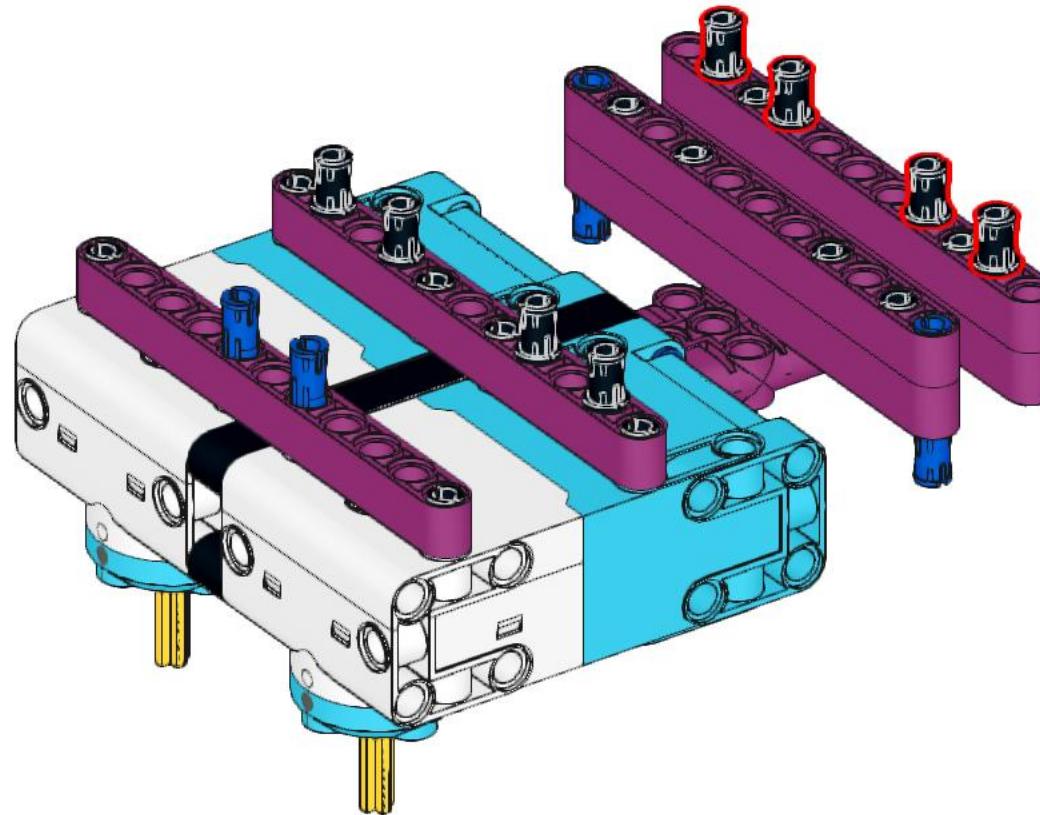
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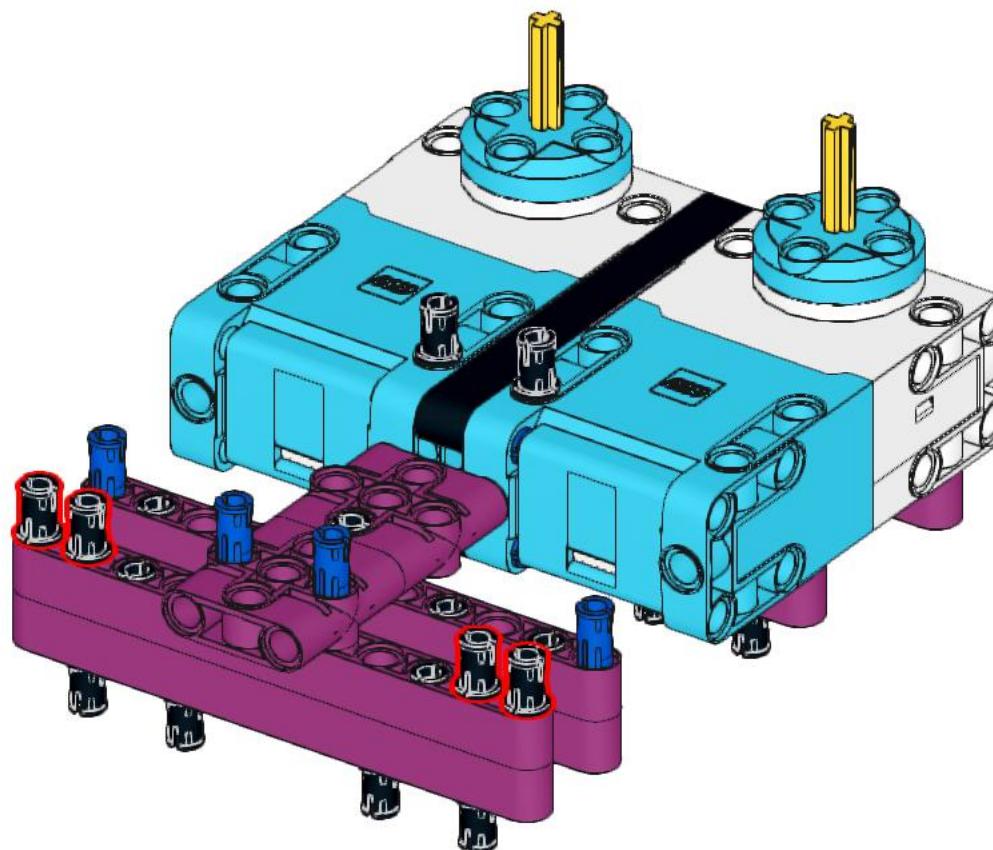
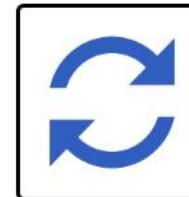
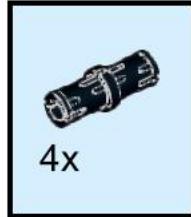
**48**



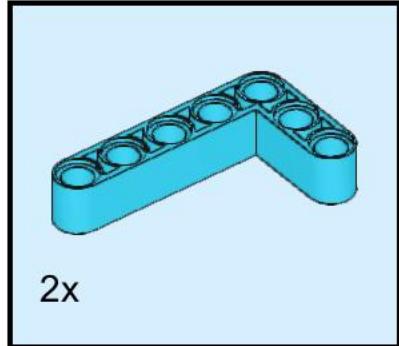
**49**



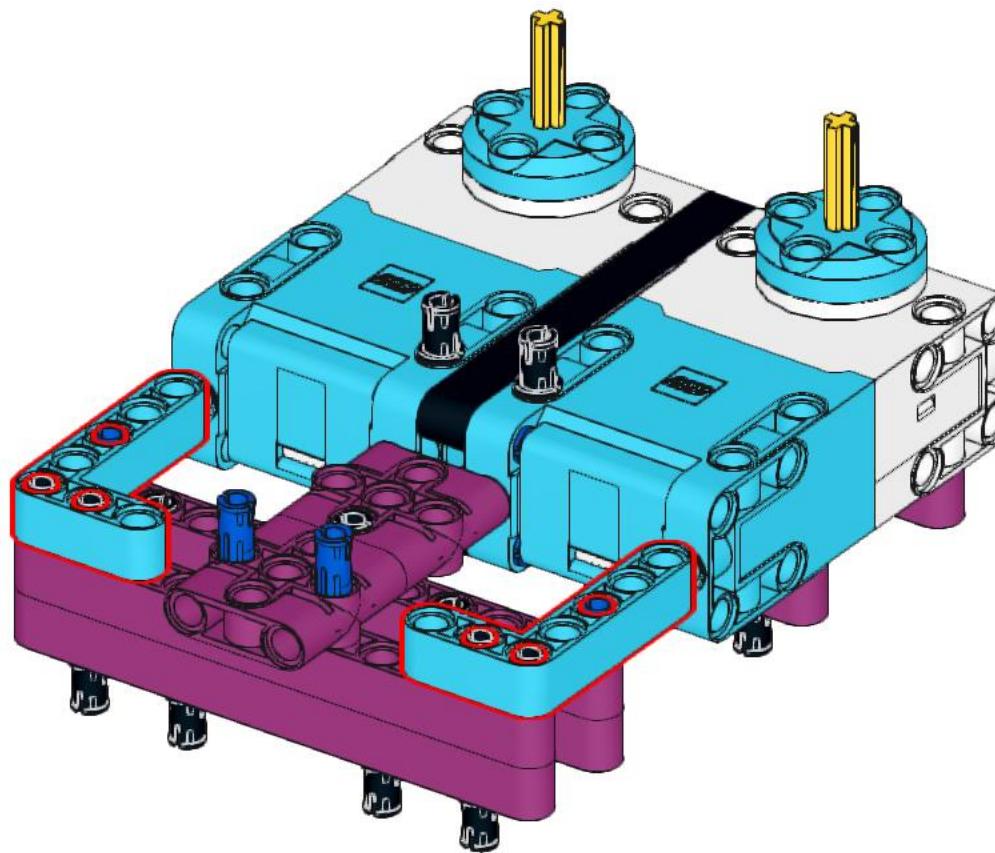
**50**



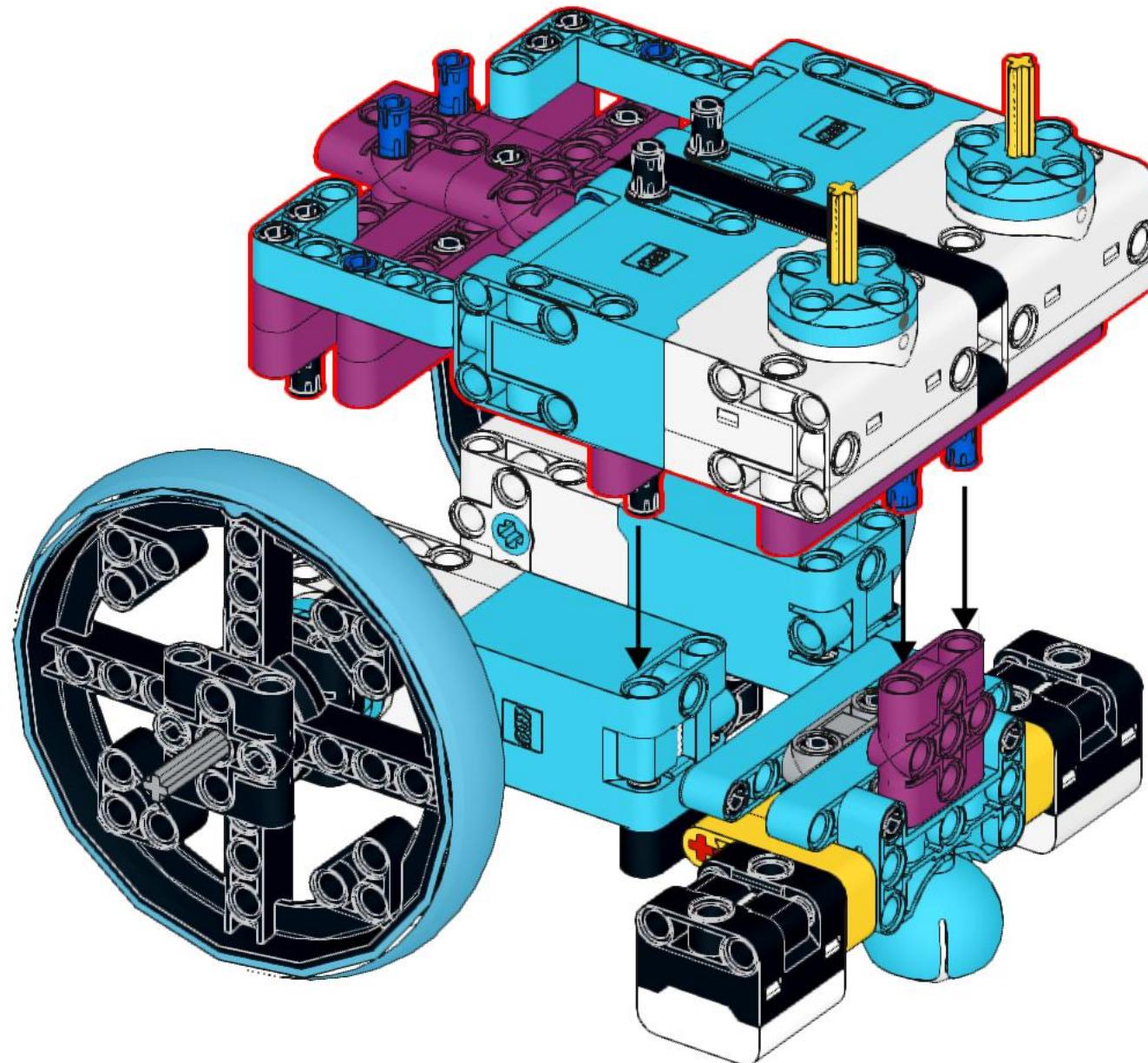
**51**



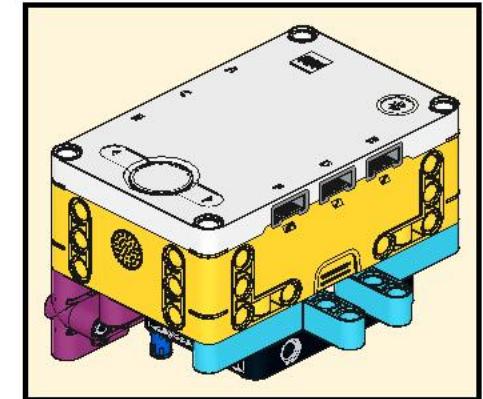
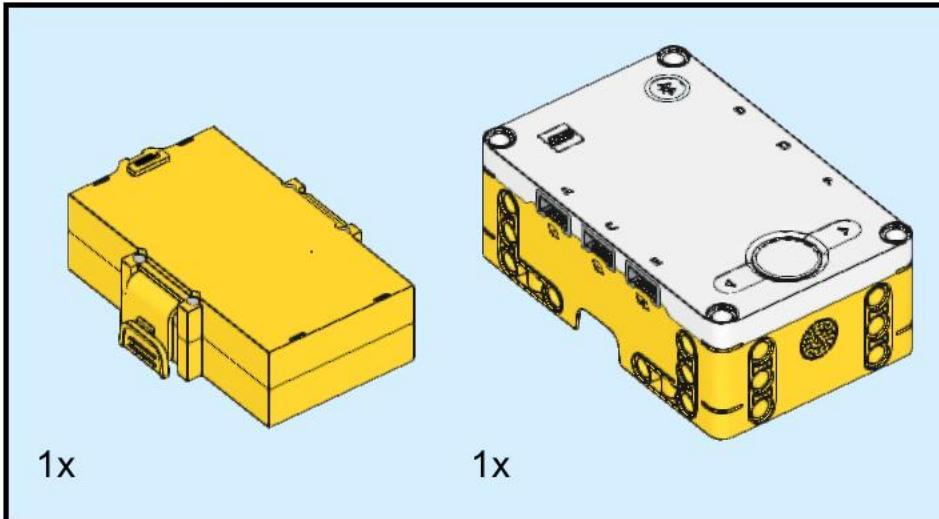
**Part 2  
Attachment  
Motors Done!**



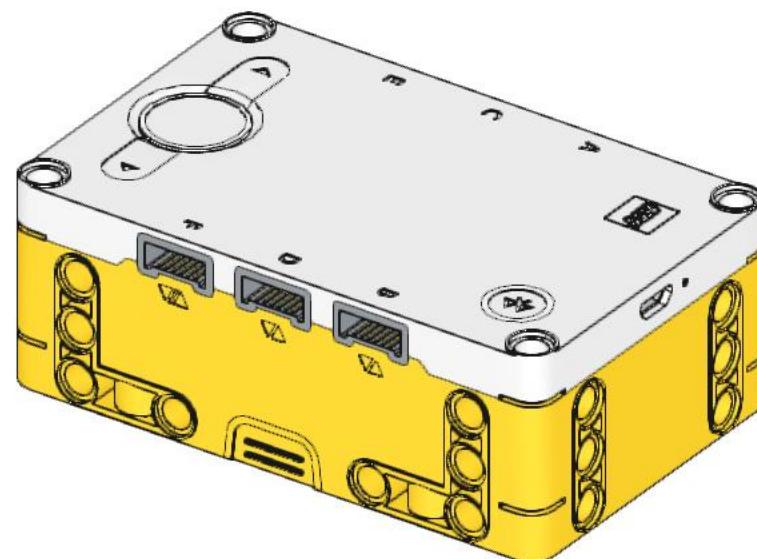
52



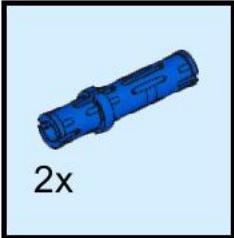
**53**



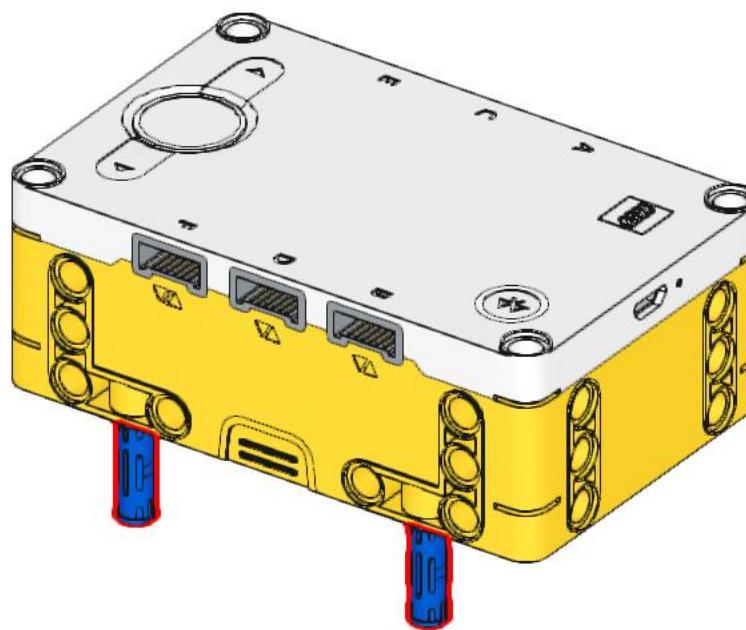
## Part 3: SPIKE Prime Hub



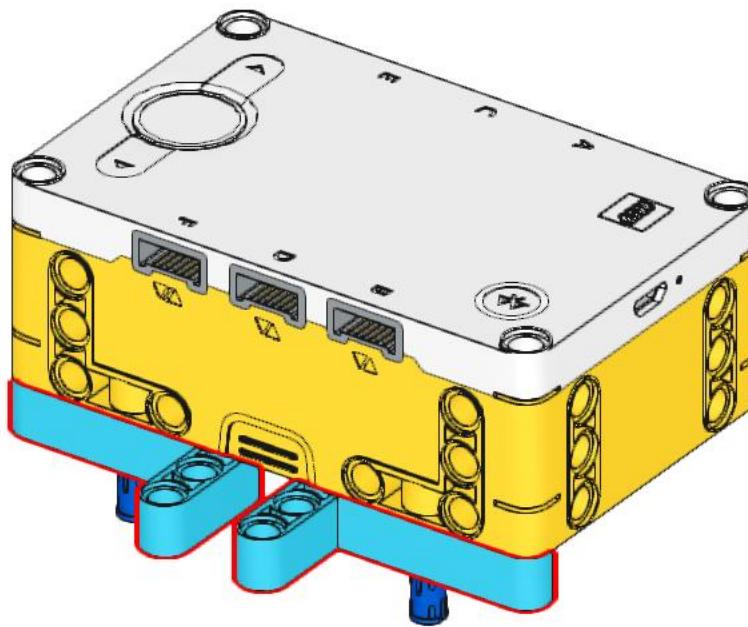
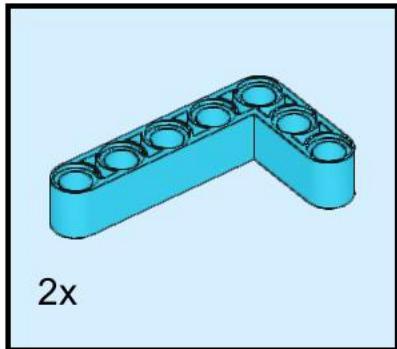
**54**



2x

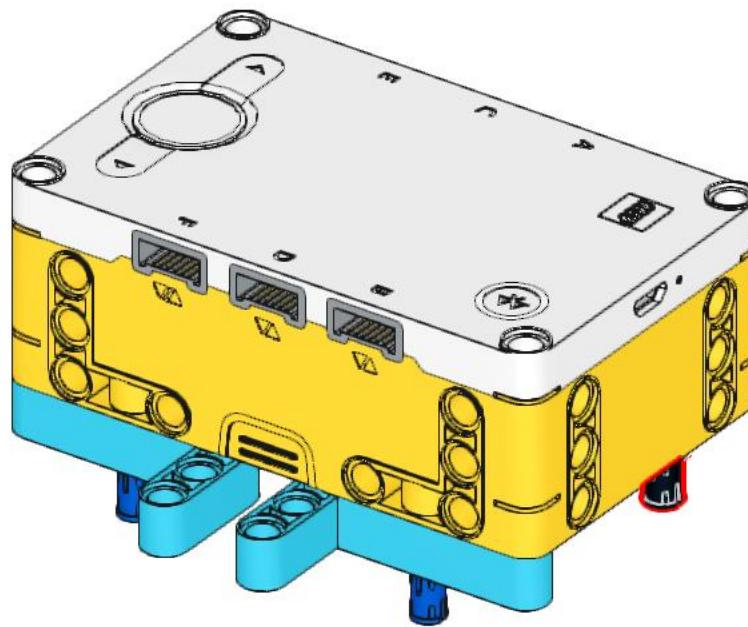


**55**

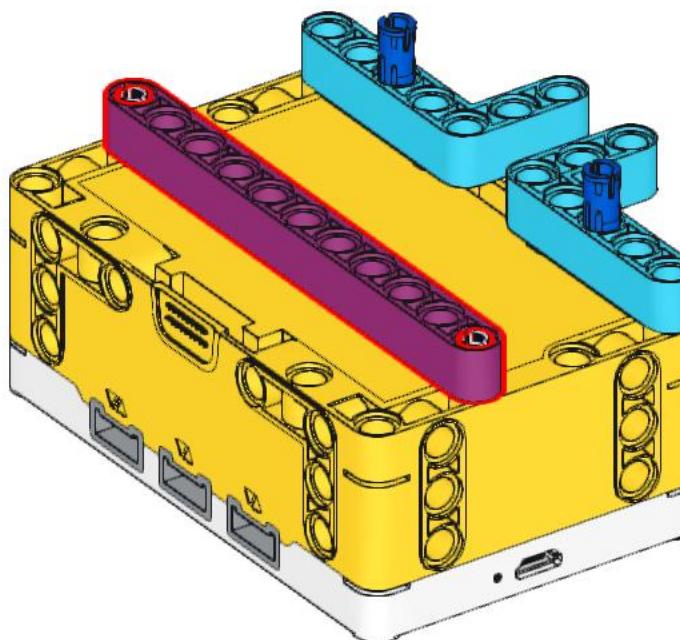
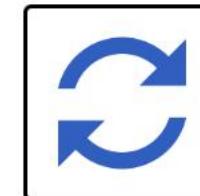
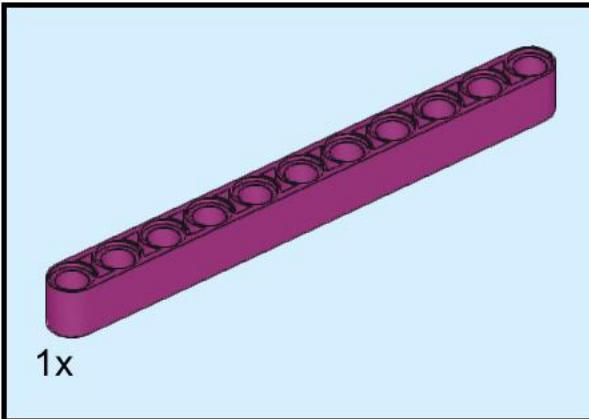


**56**

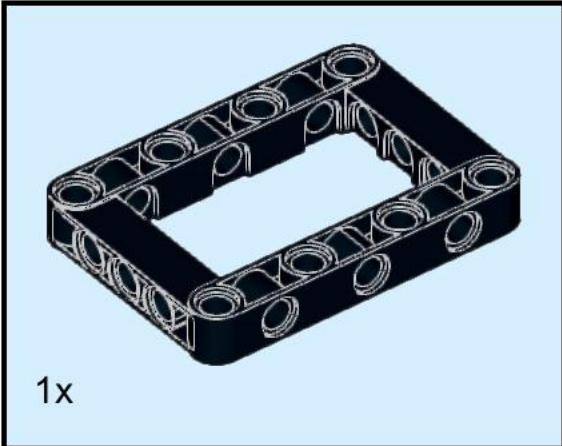
2x



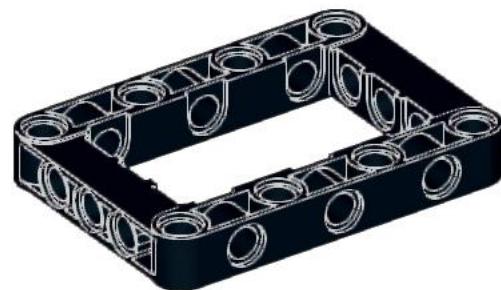
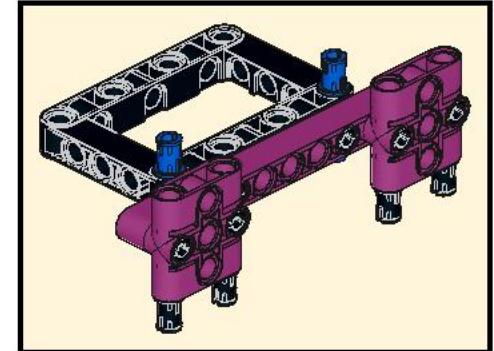
**57**



**58**



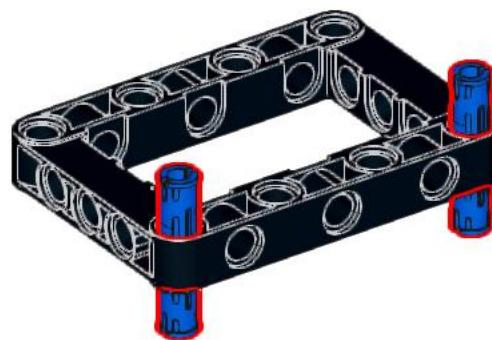
1x



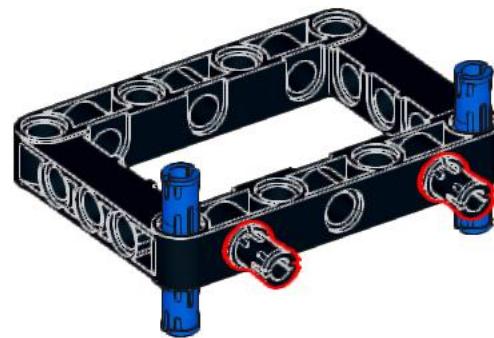
**59**



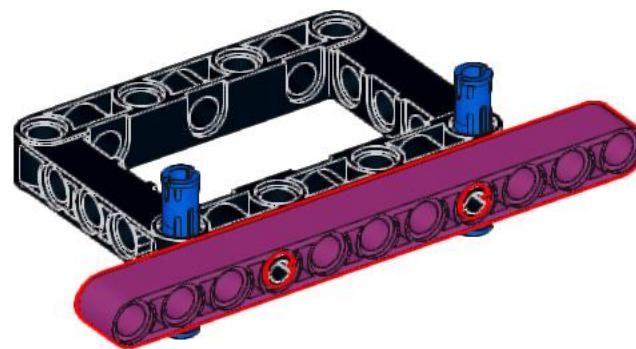
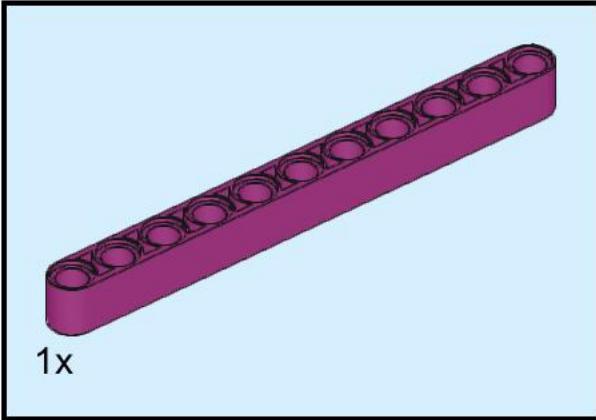
2x



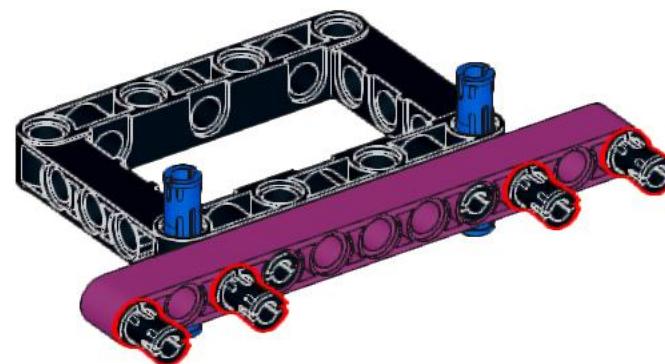
**60**



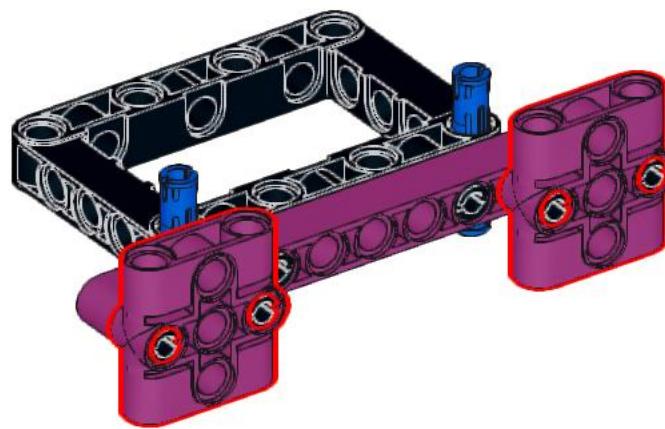
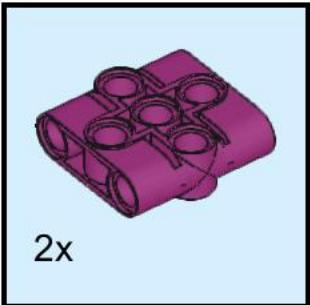
**61**



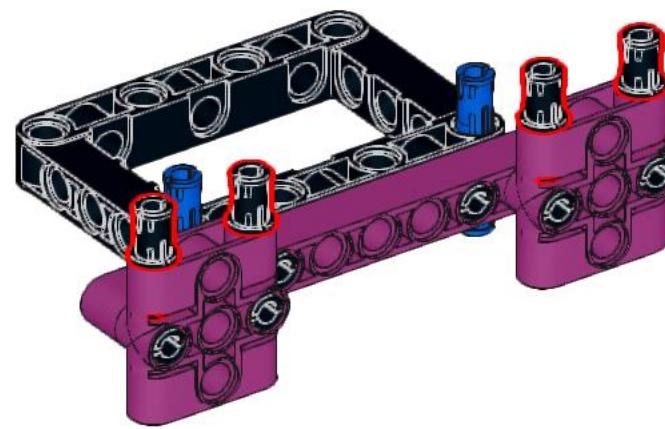
**62**



**63**

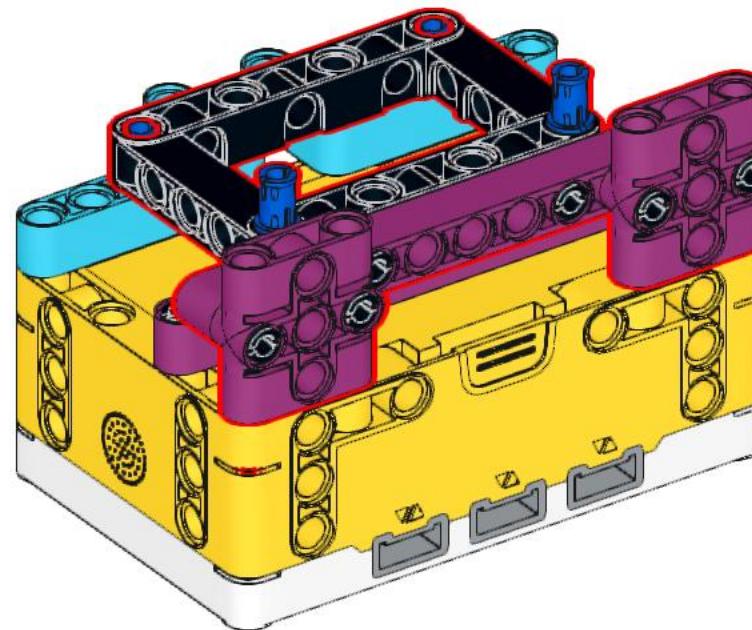


**64**

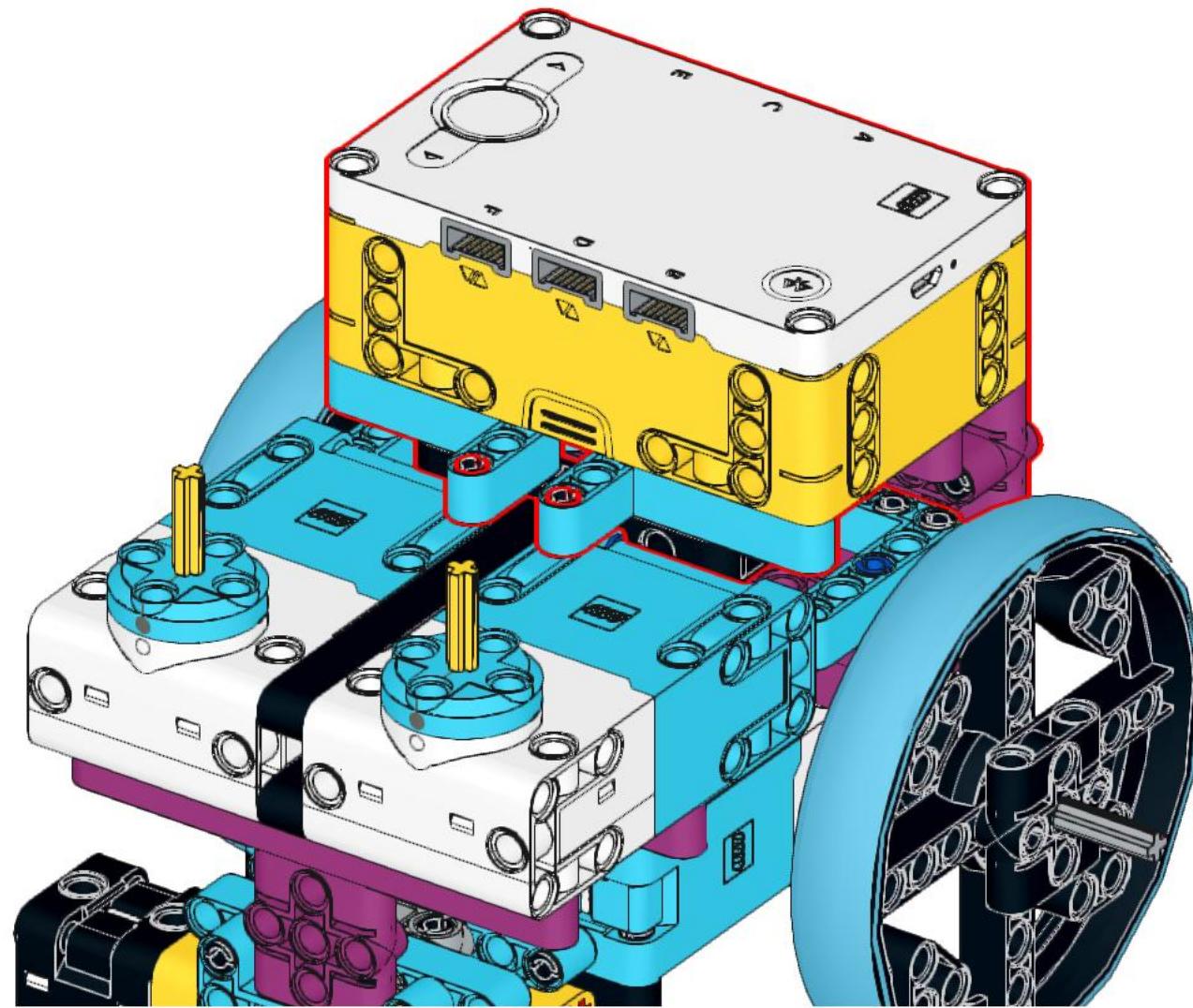


# 65

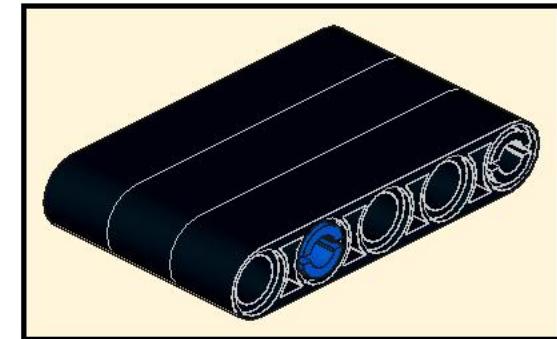
Part 3 SPIKE  
Prime Hub  
Done!



66



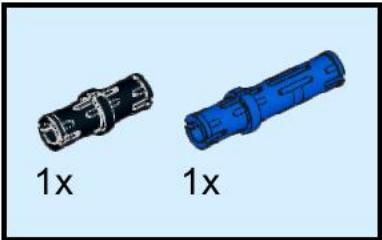
**67**



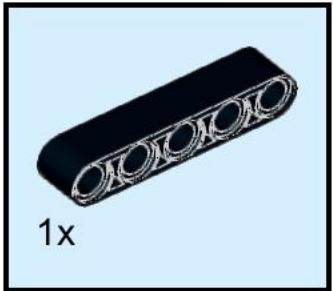
## Part 3: Framing



**68**



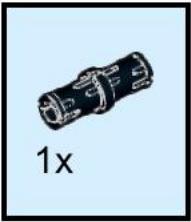
69



1x



70



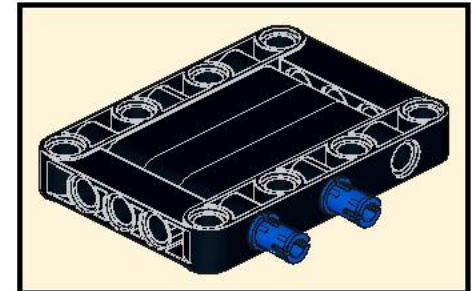
71



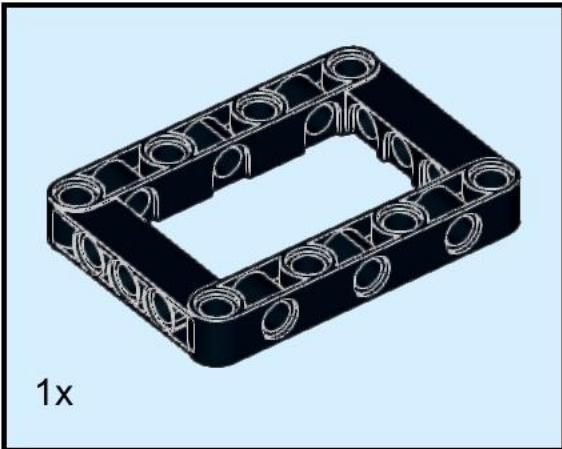
1x



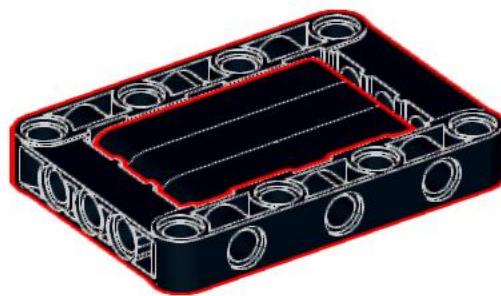
72



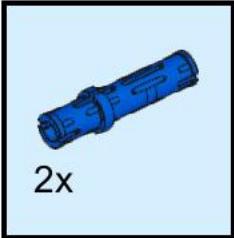
**73**



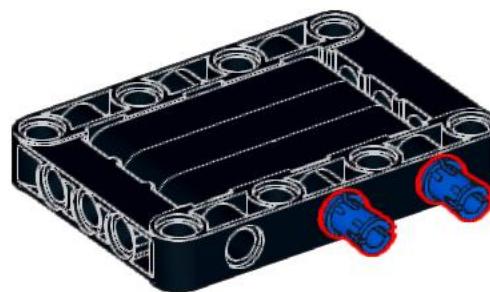
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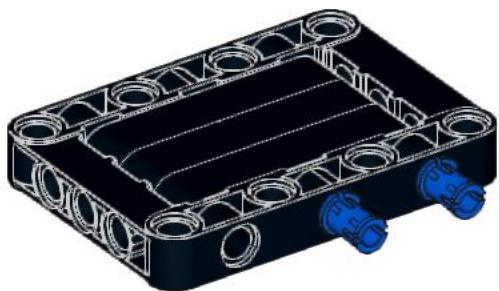
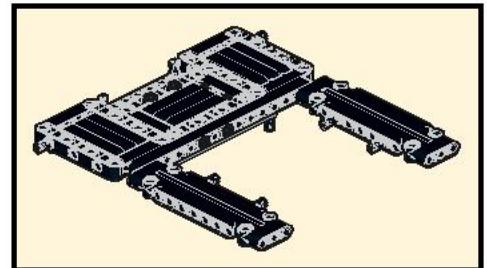
74



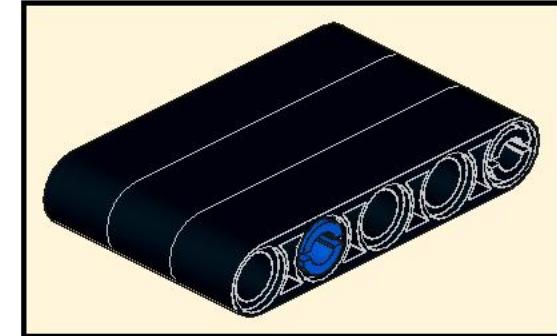
2x



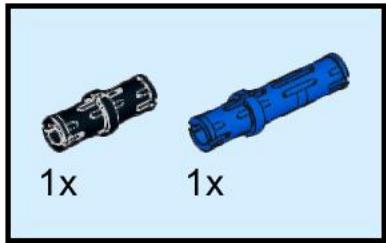
75



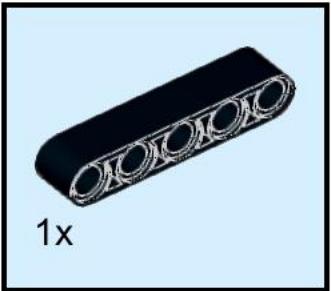
**76**



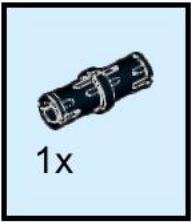
77



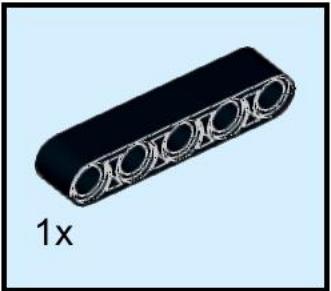
78



79



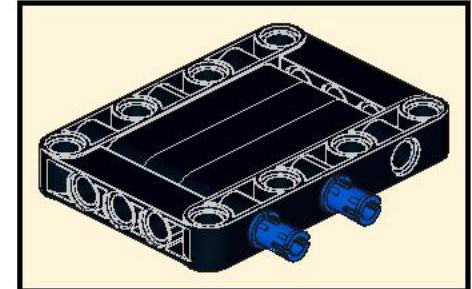
80



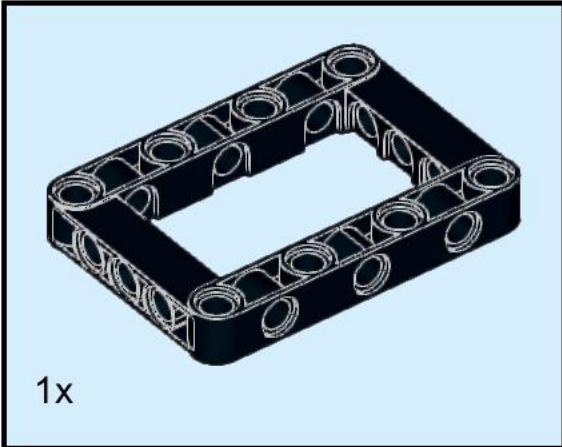
1x



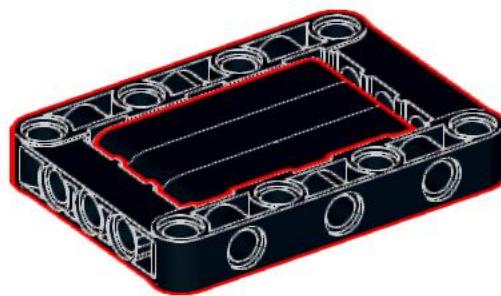
81



**82**



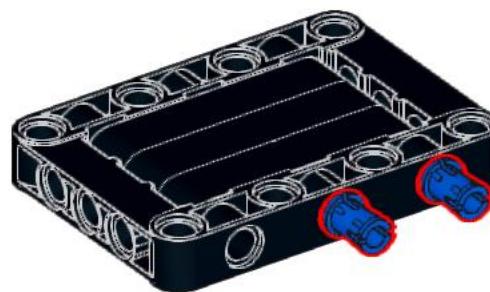
1x



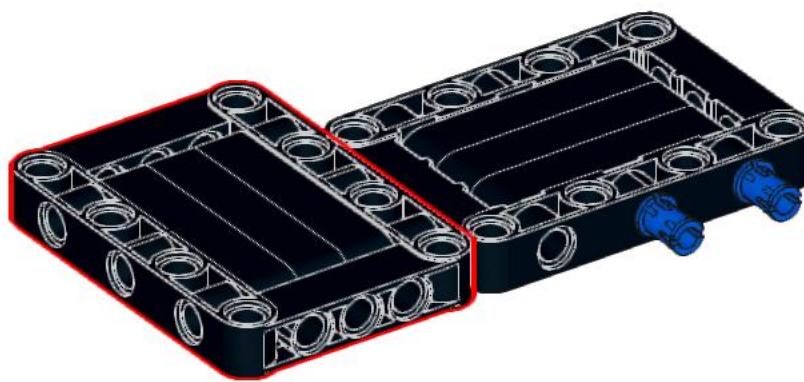
**83**



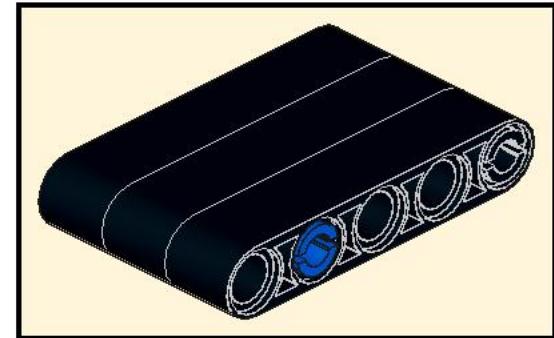
2x



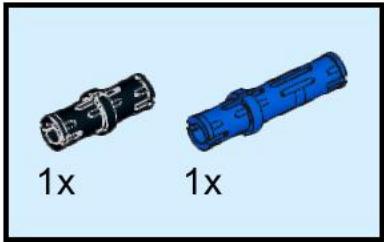
84



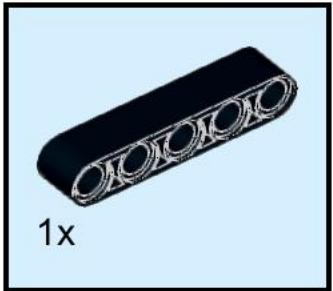
**85**



**86**



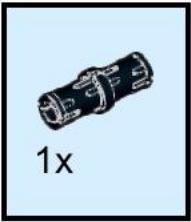
87



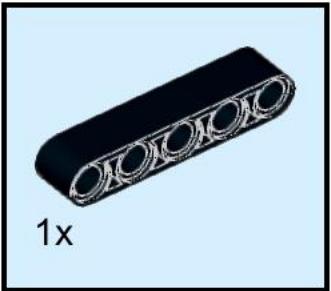
1x



**88**



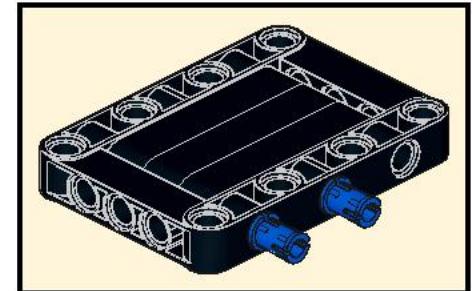
89



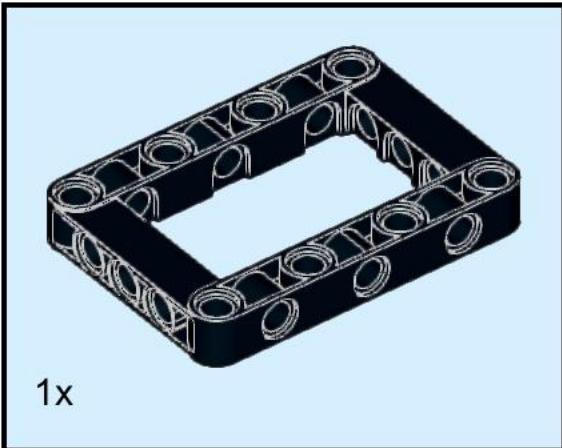
1x



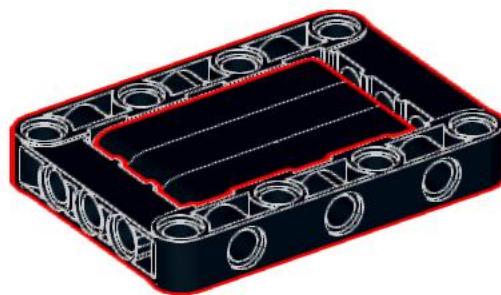
90



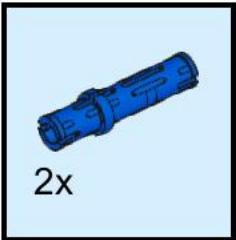
**91**



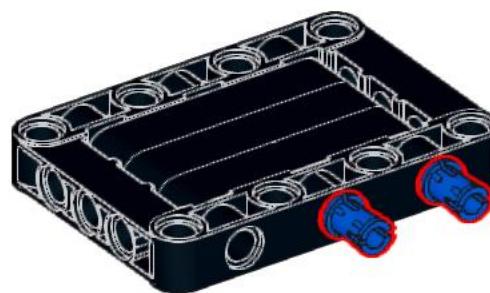
**1x**



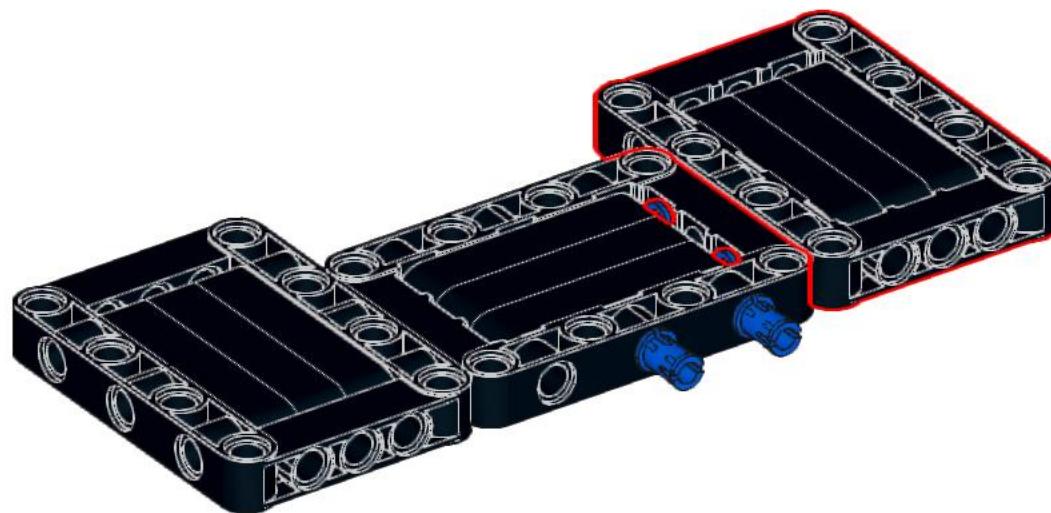
**92**



**2x**



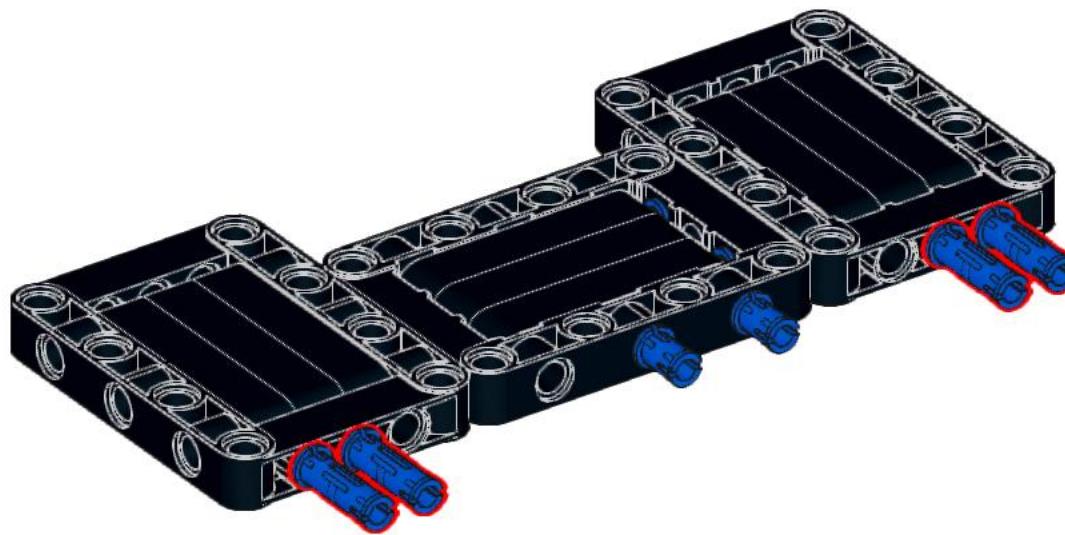
**93**



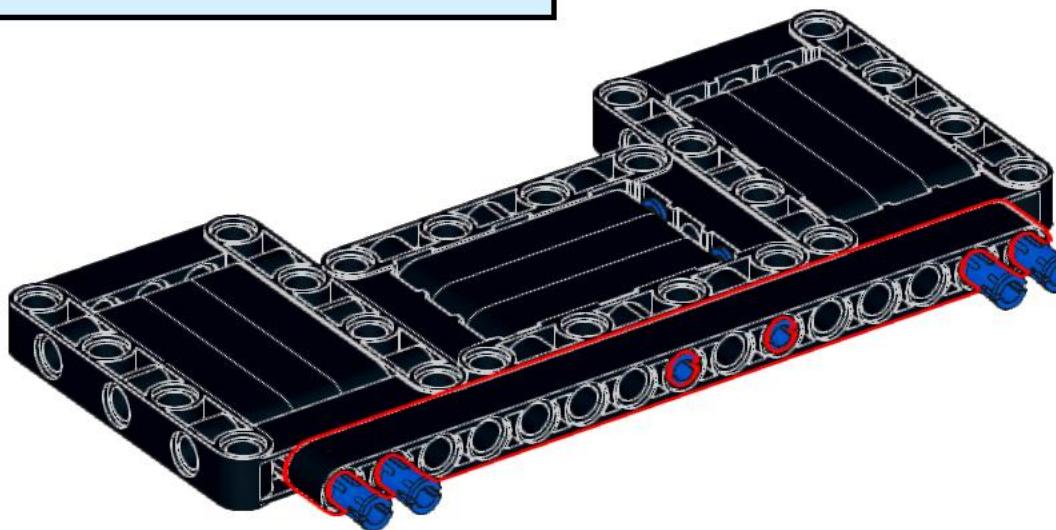
**94**



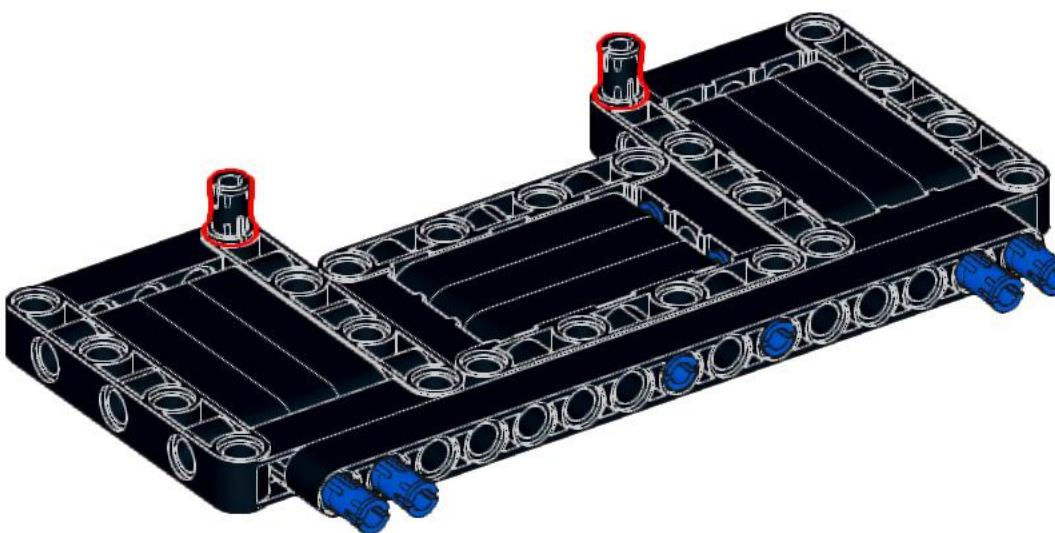
**4x**



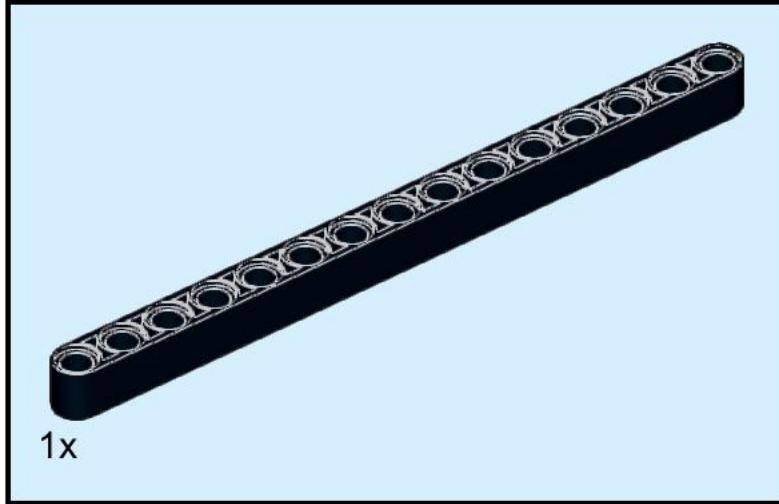
**95**



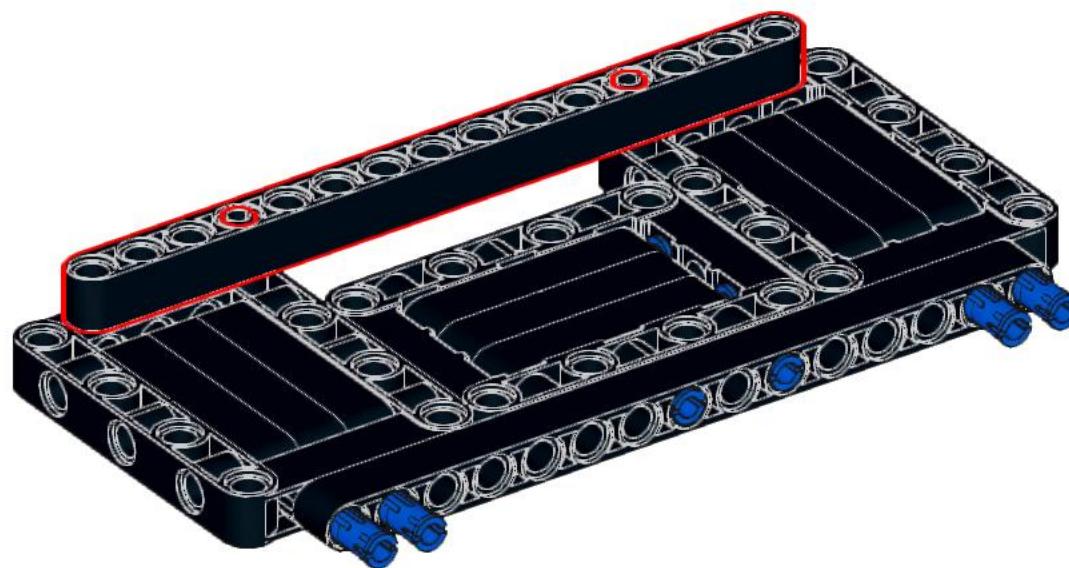
**96**



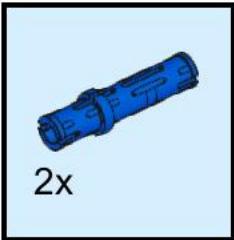
97



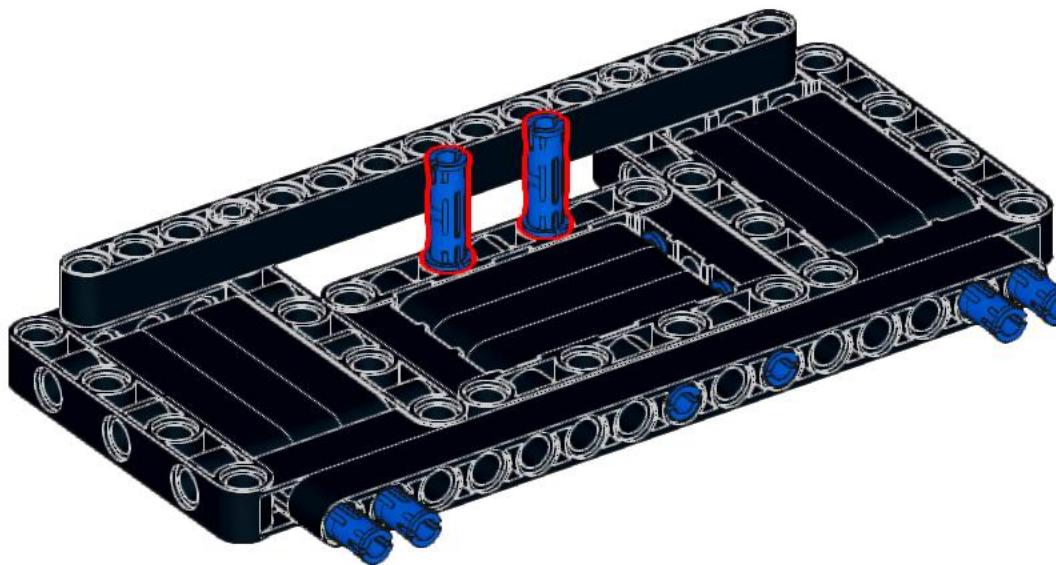
1x



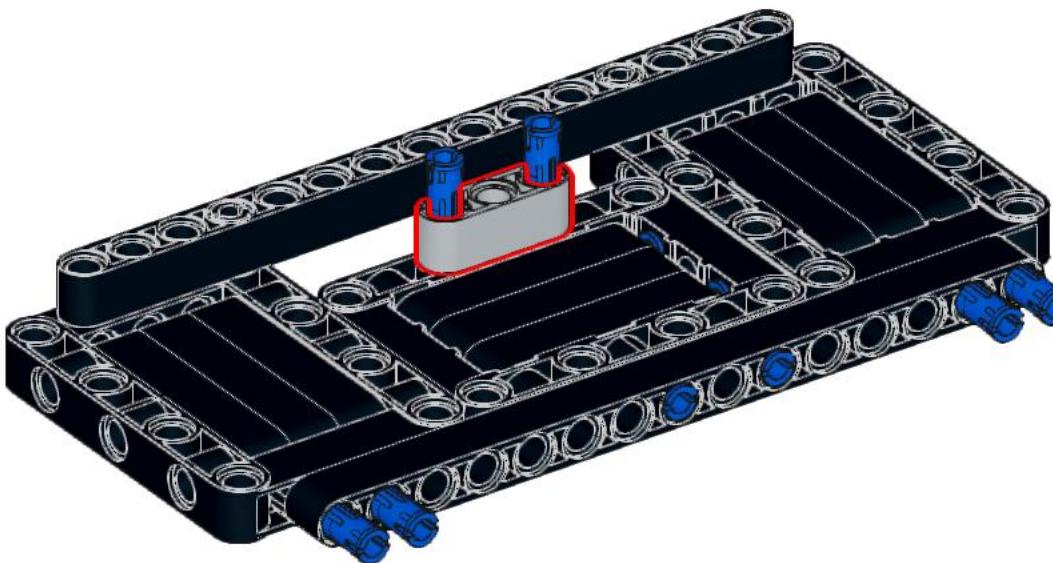
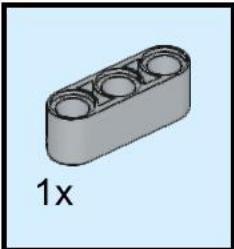
**98**



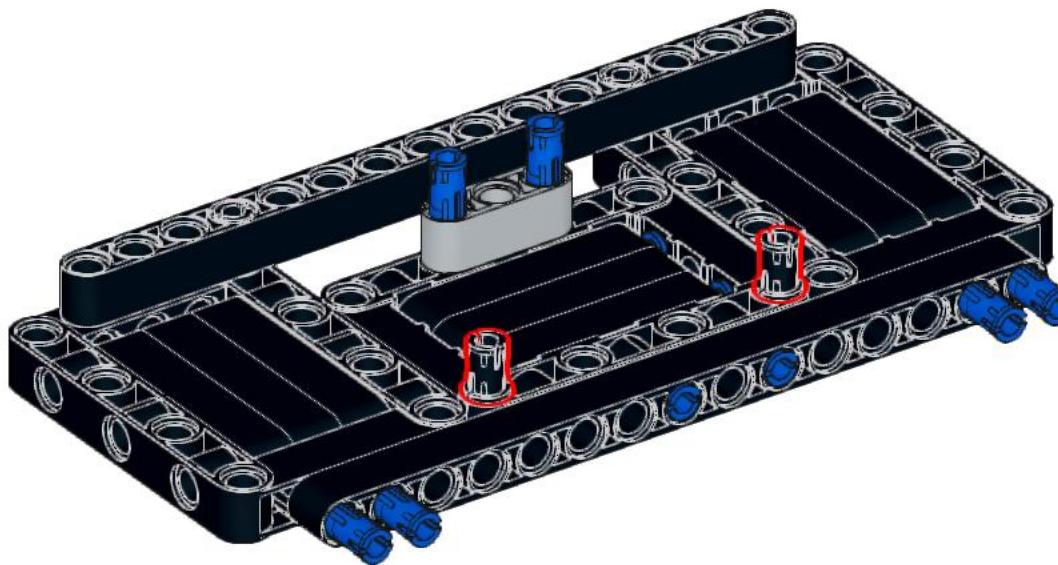
2x



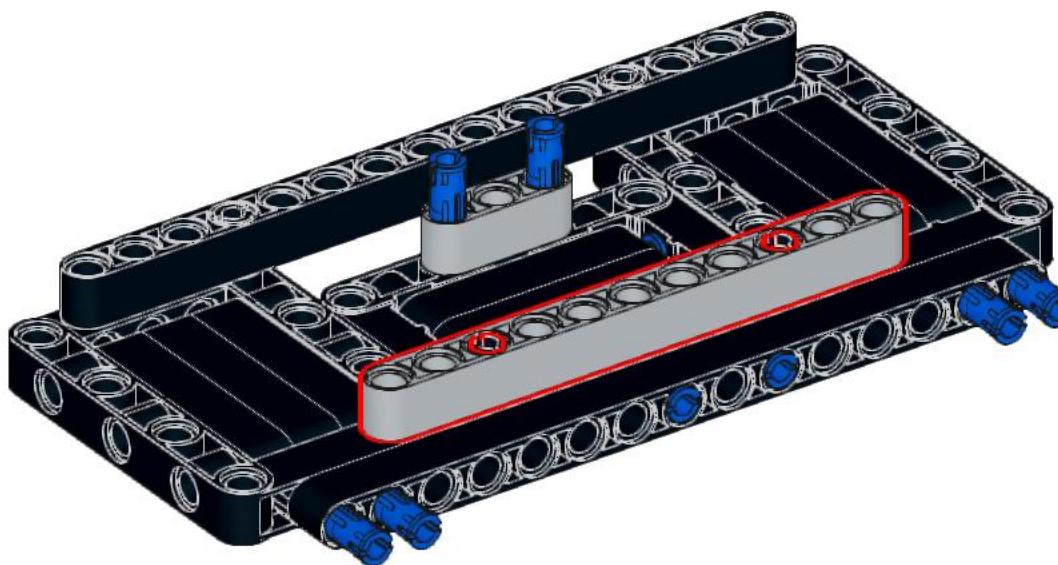
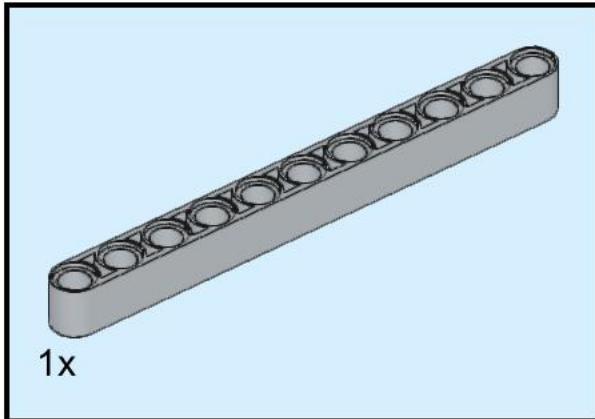
**99**



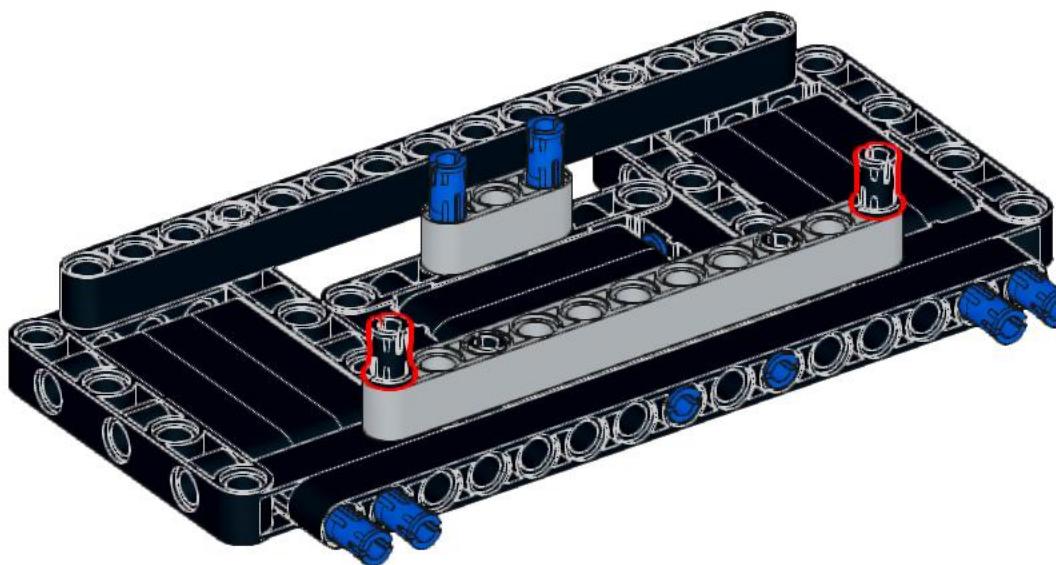
100



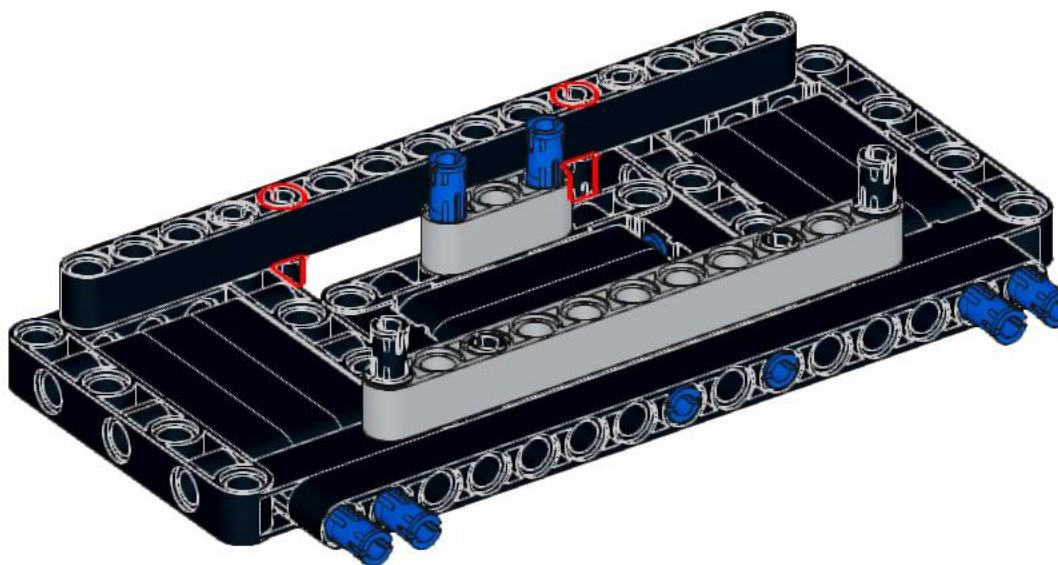
**101**



**102**



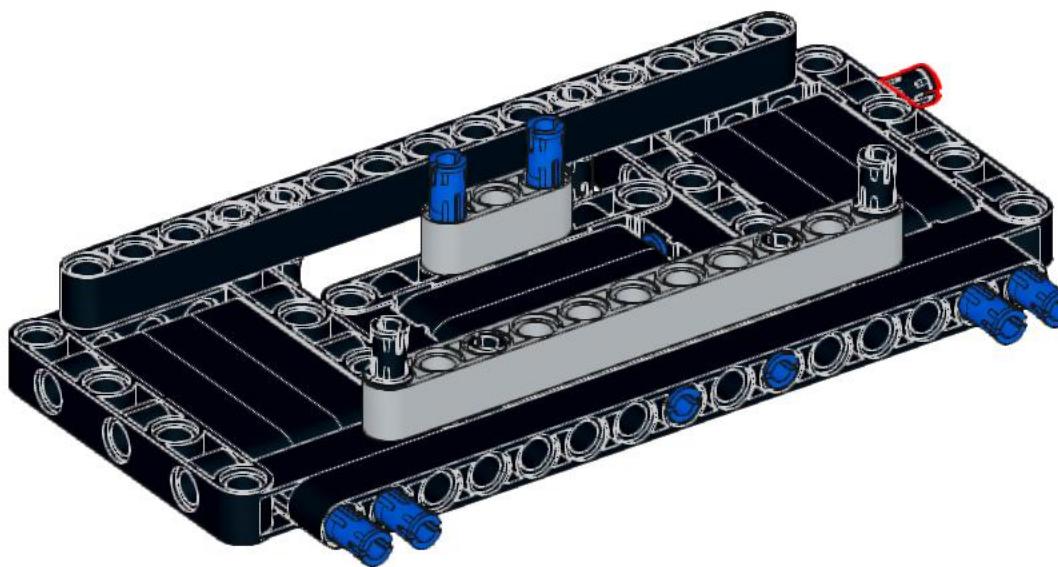
**103**



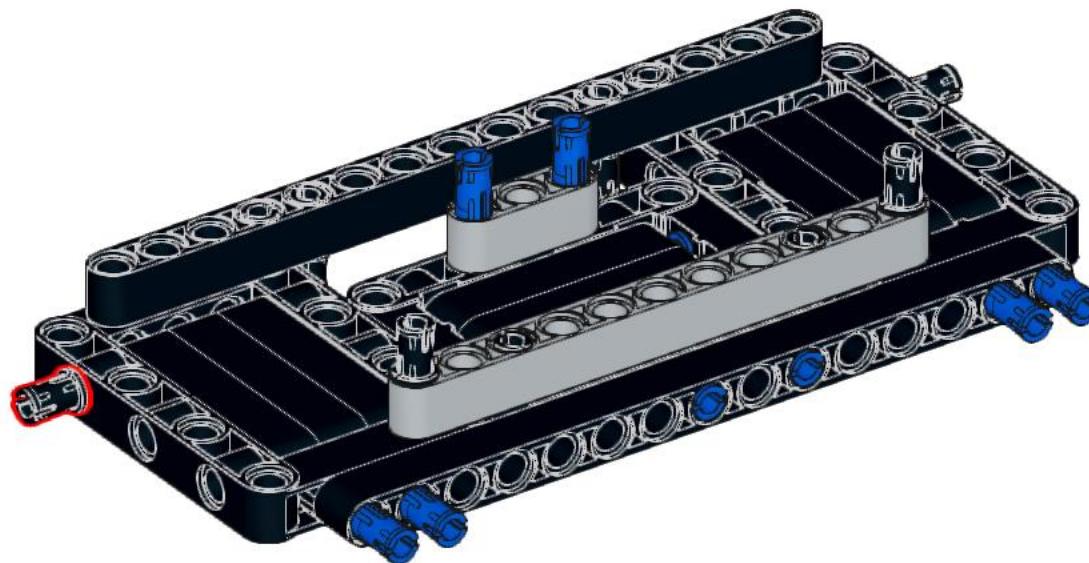
**104**



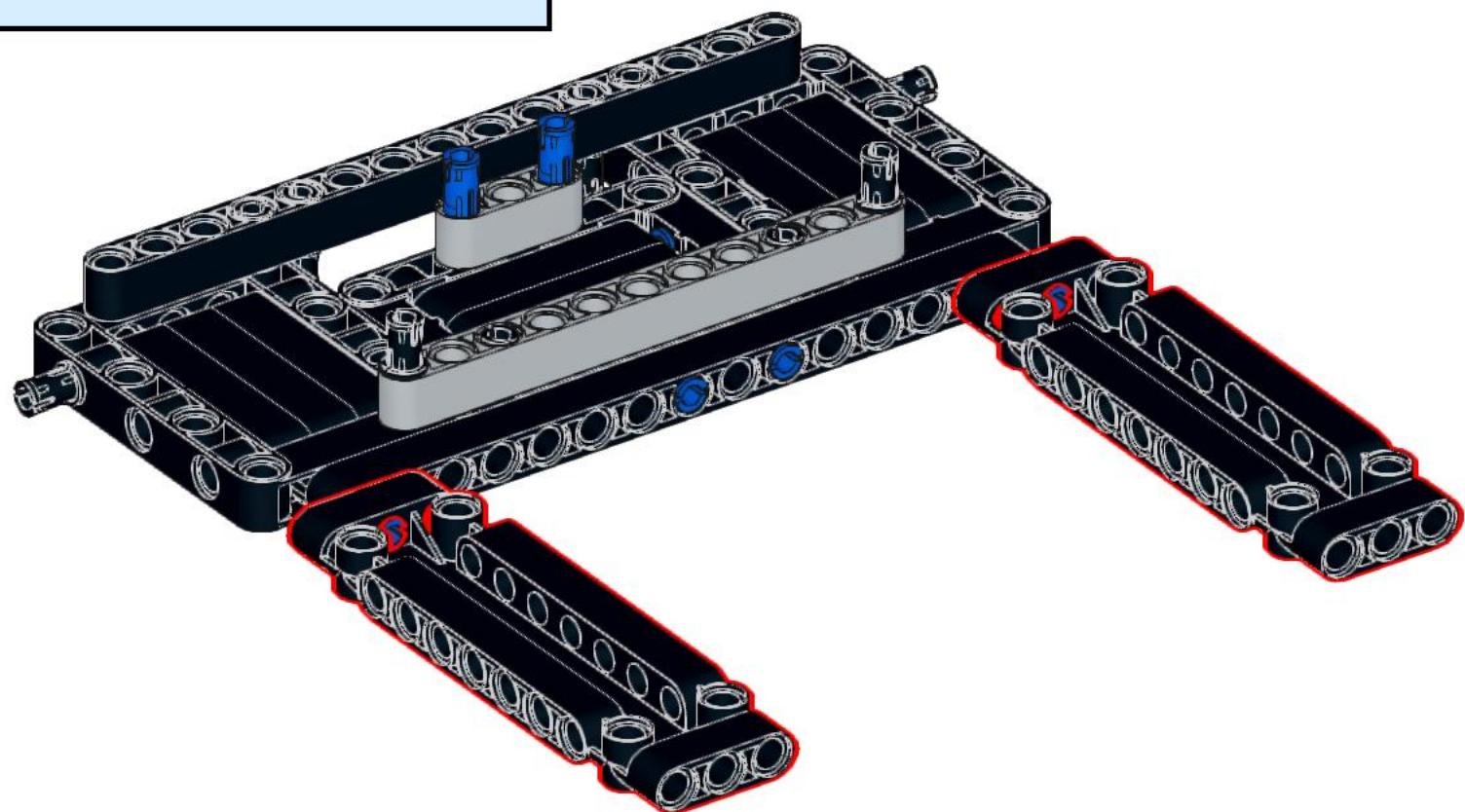
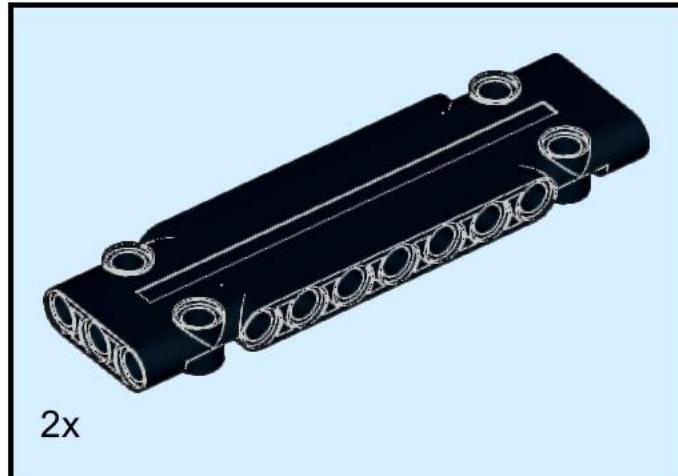
1x



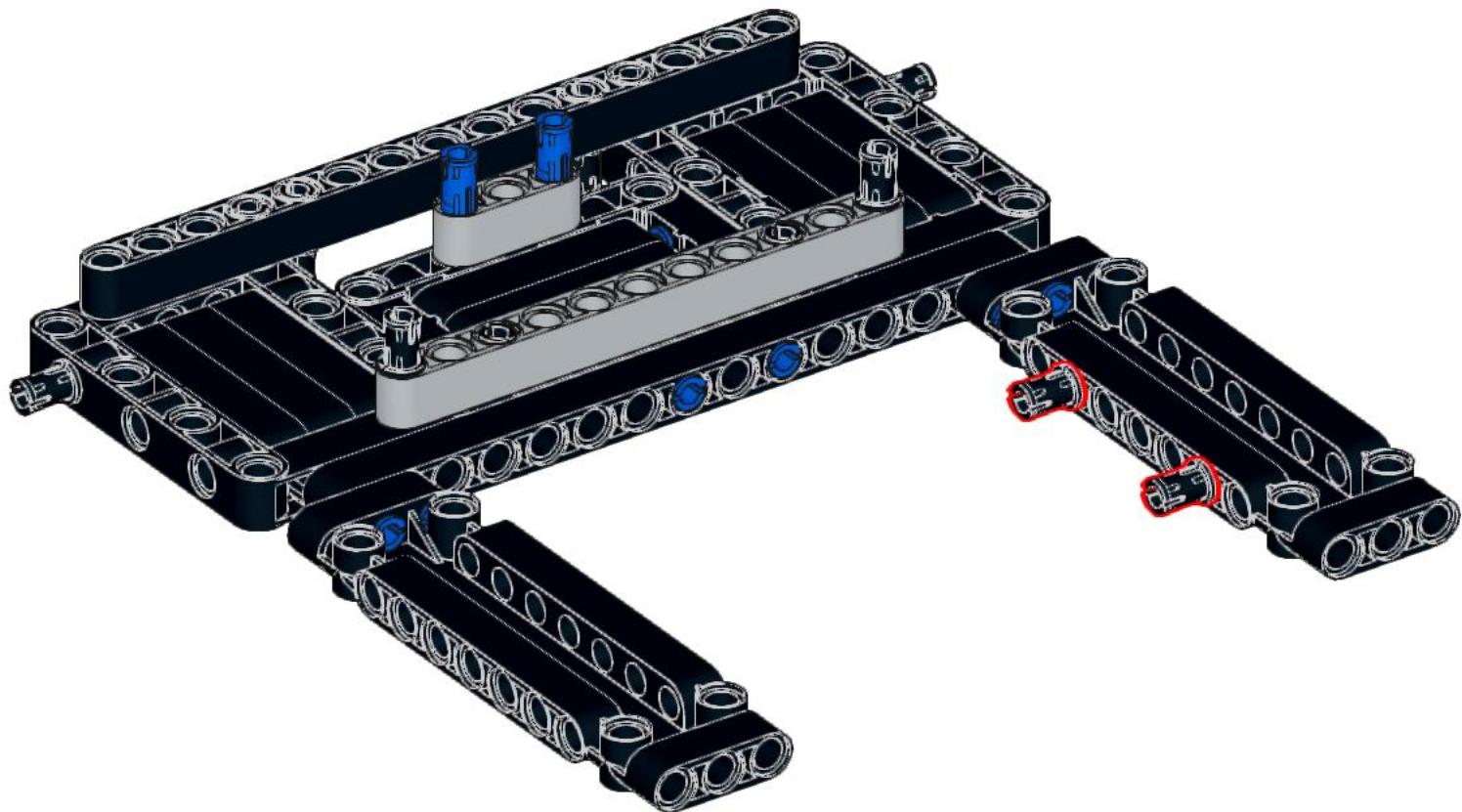
**105**



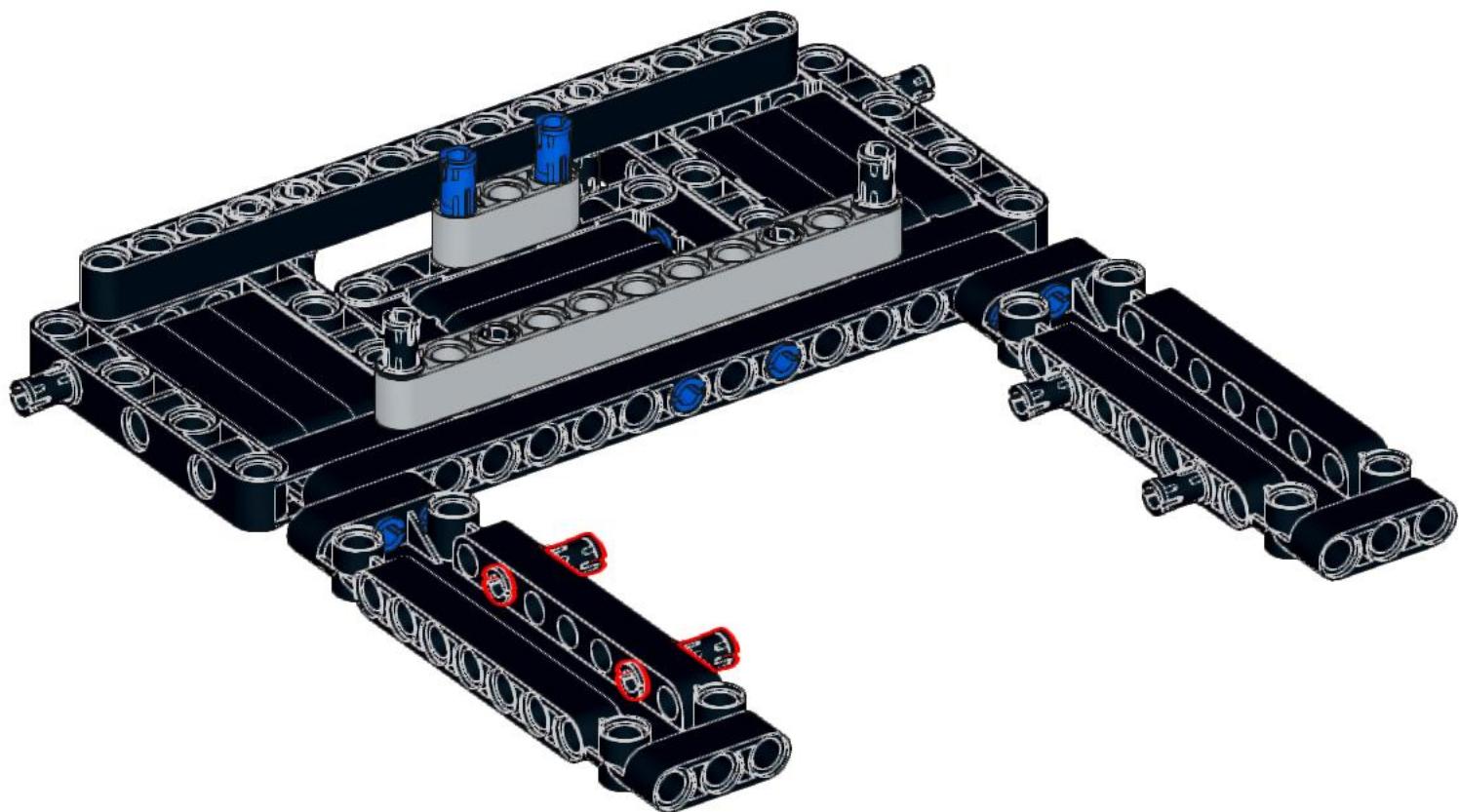
**106**



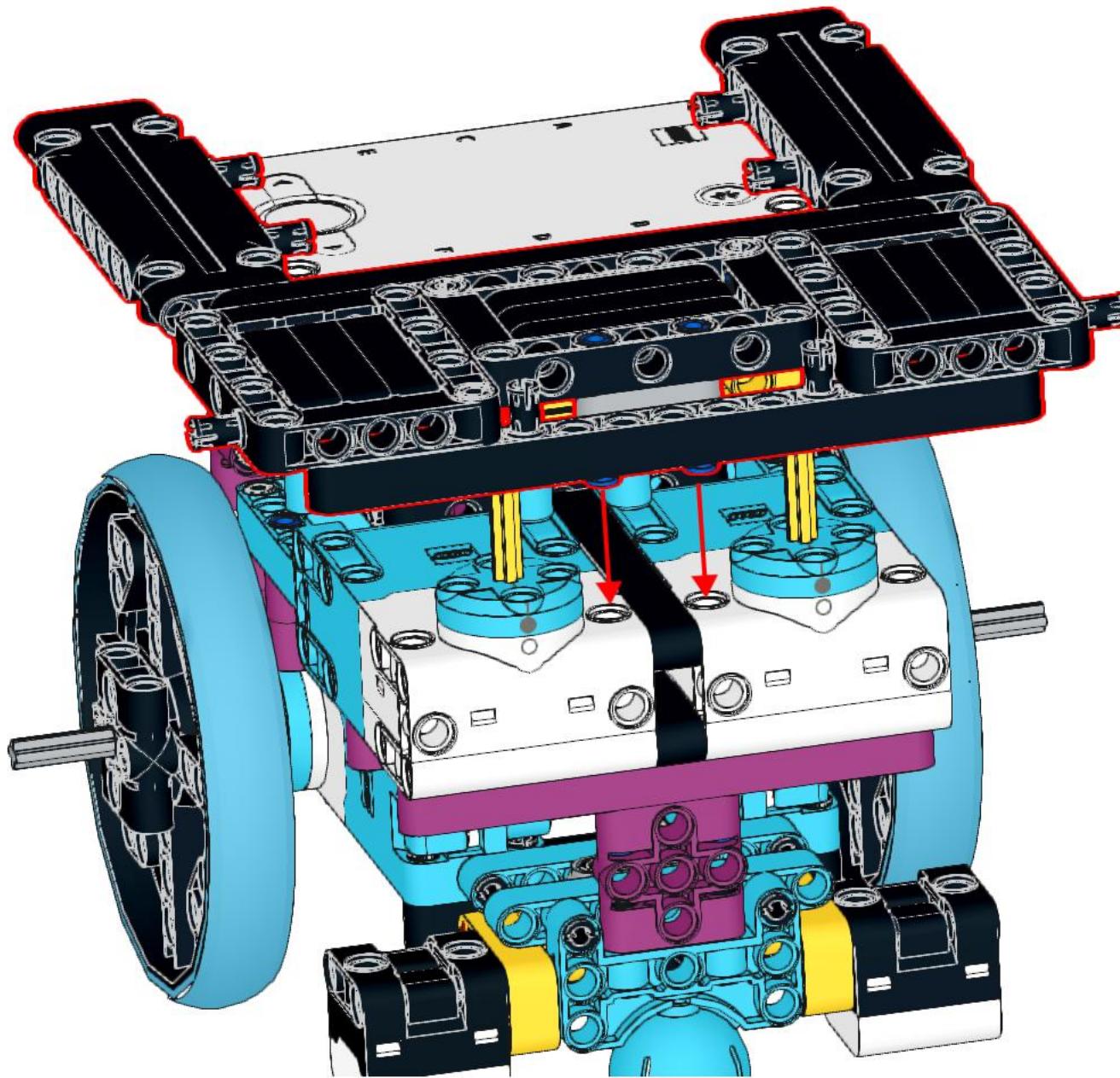
**107**



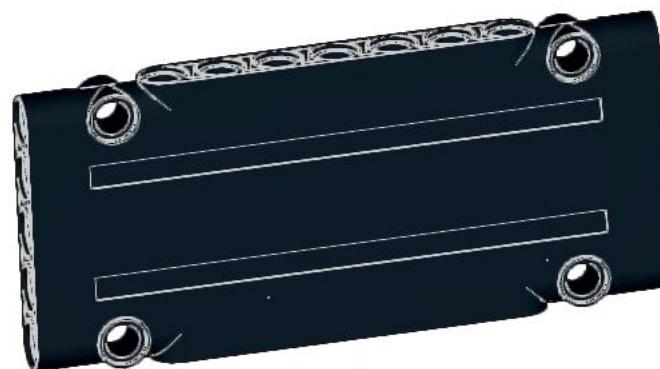
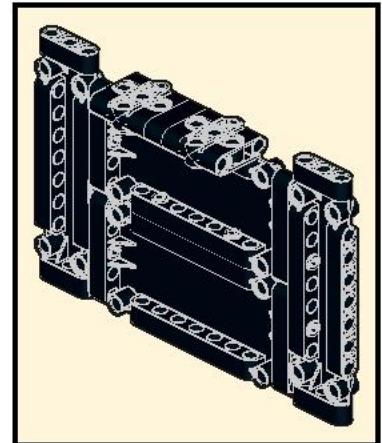
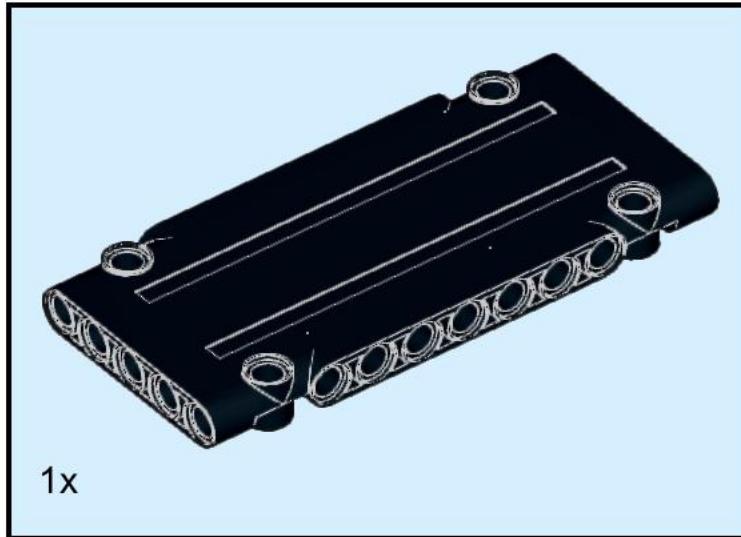
**108**



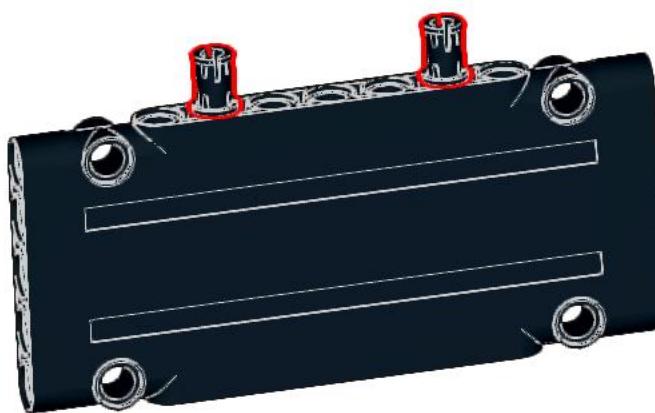
109



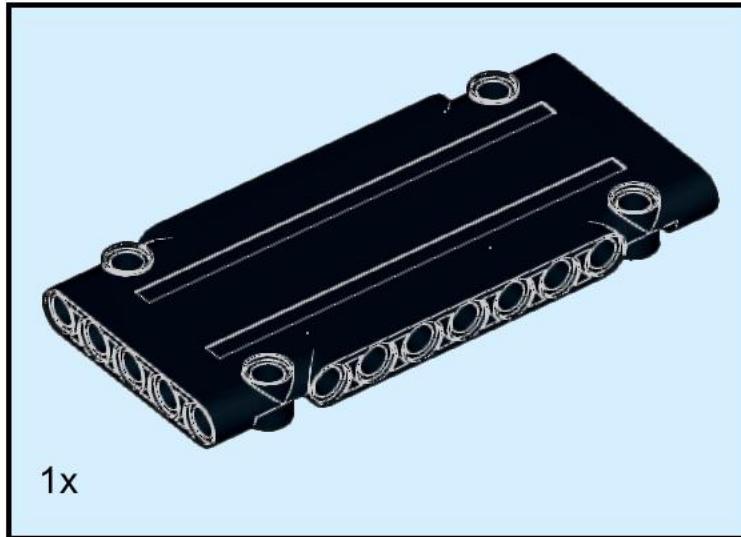
**110**



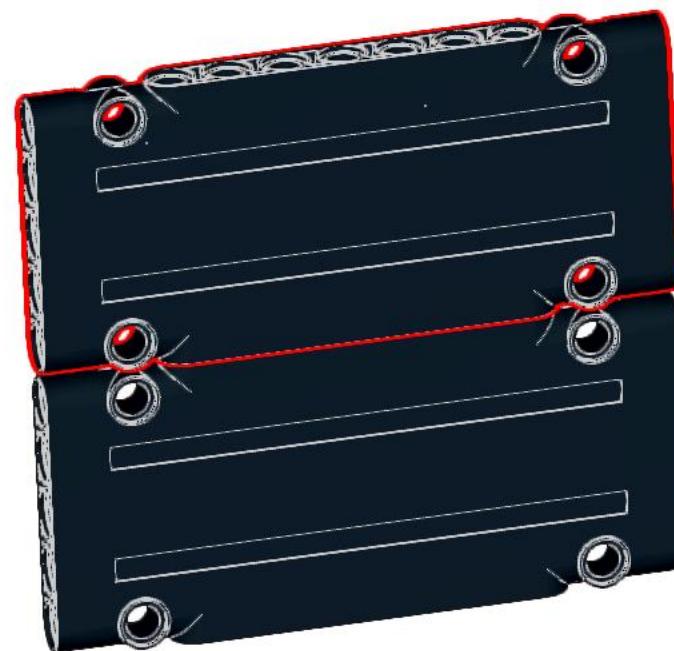
**111**



**112**



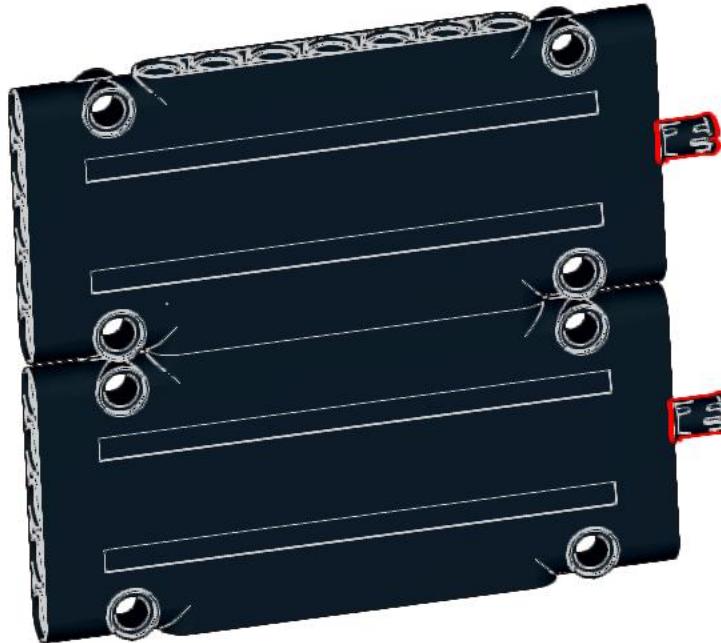
1x



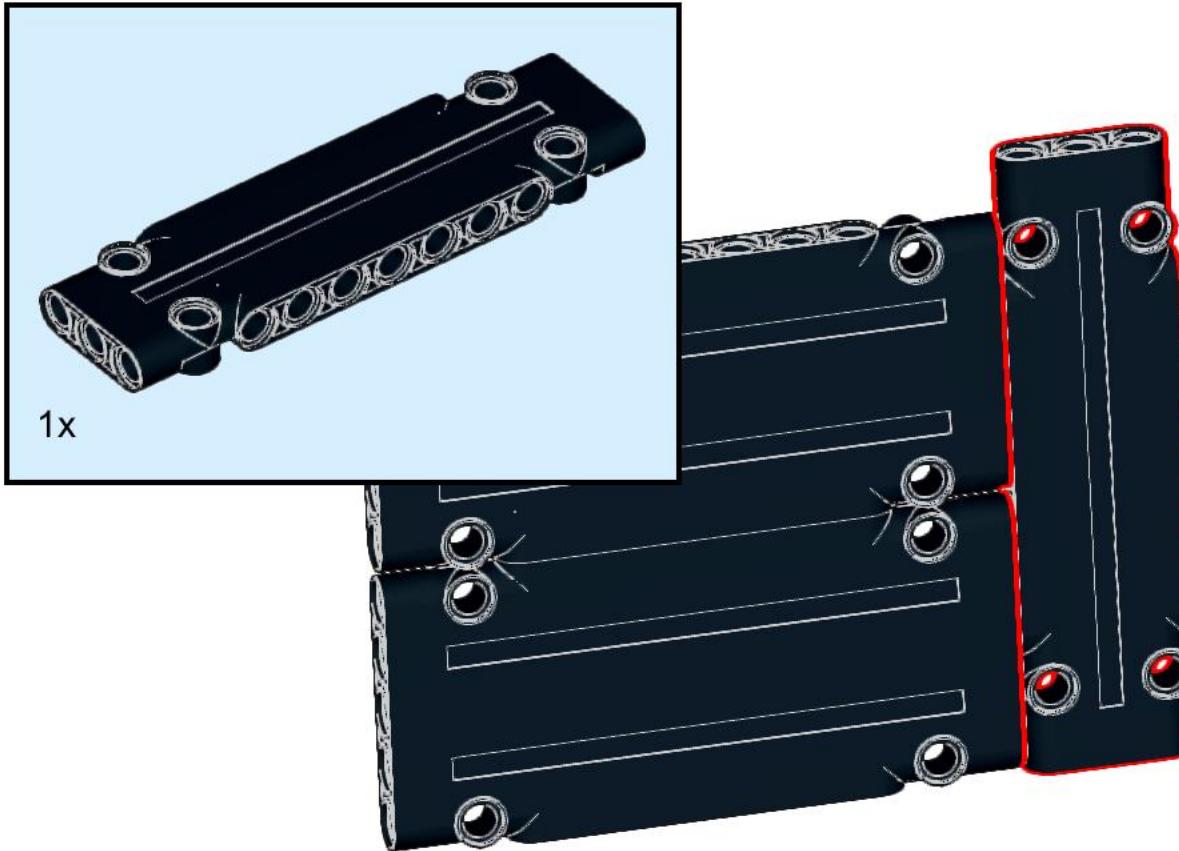
**113**



2x



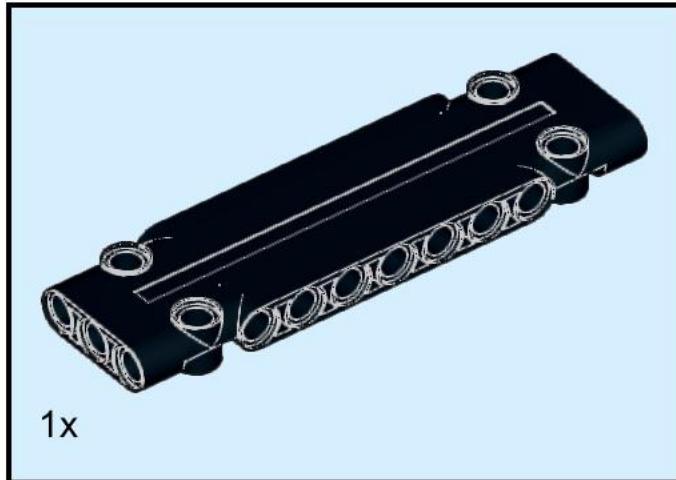
**114**



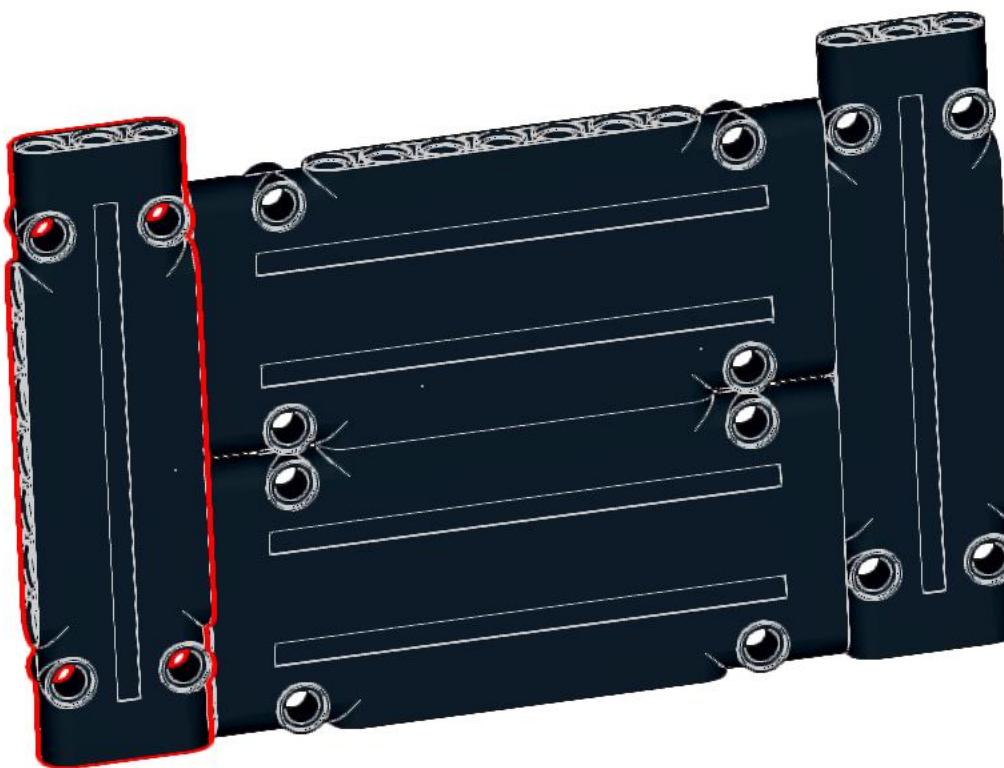
115



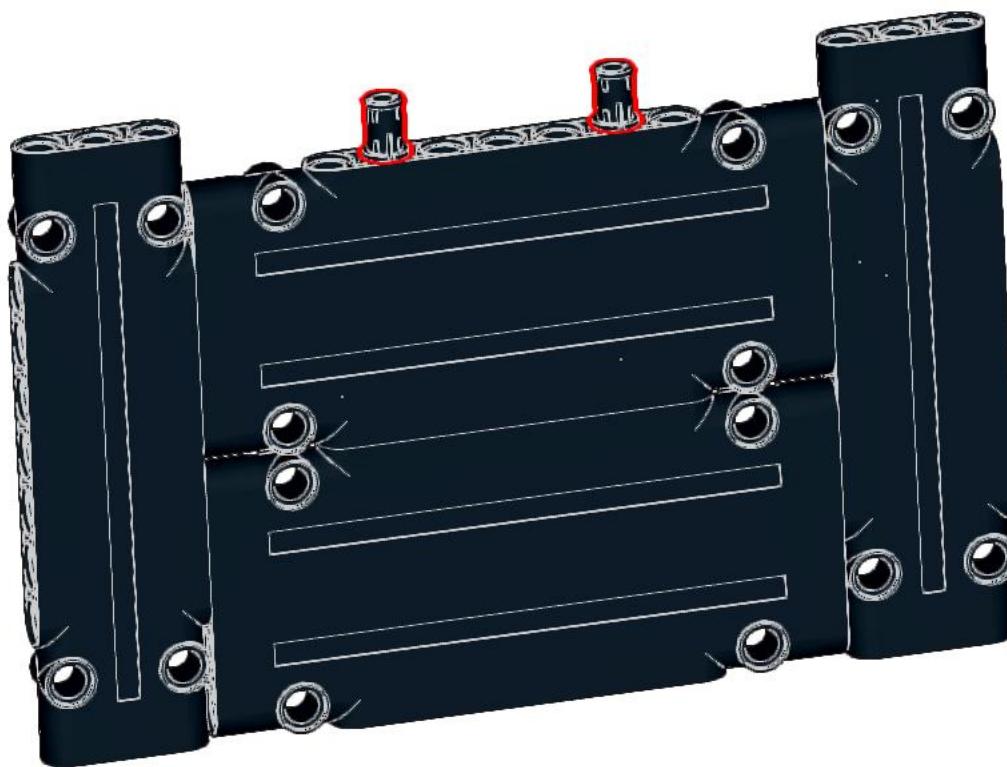
**116**



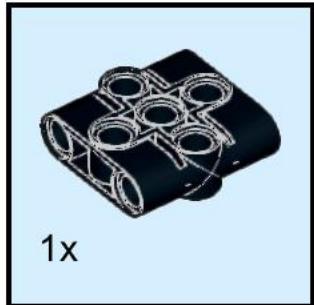
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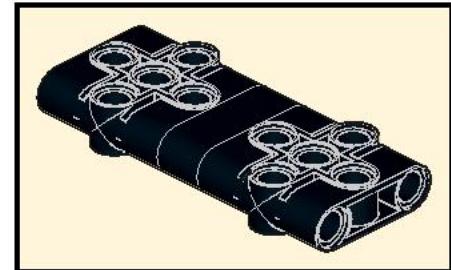
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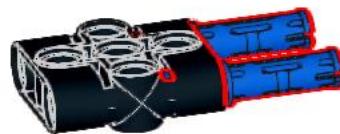
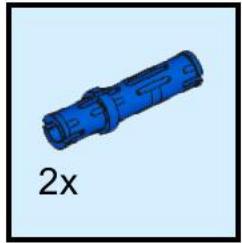
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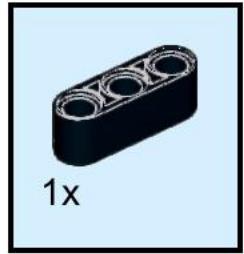
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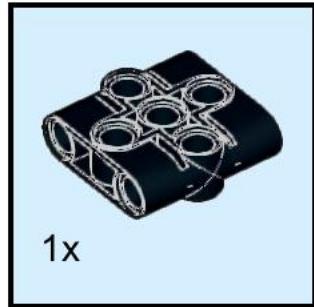
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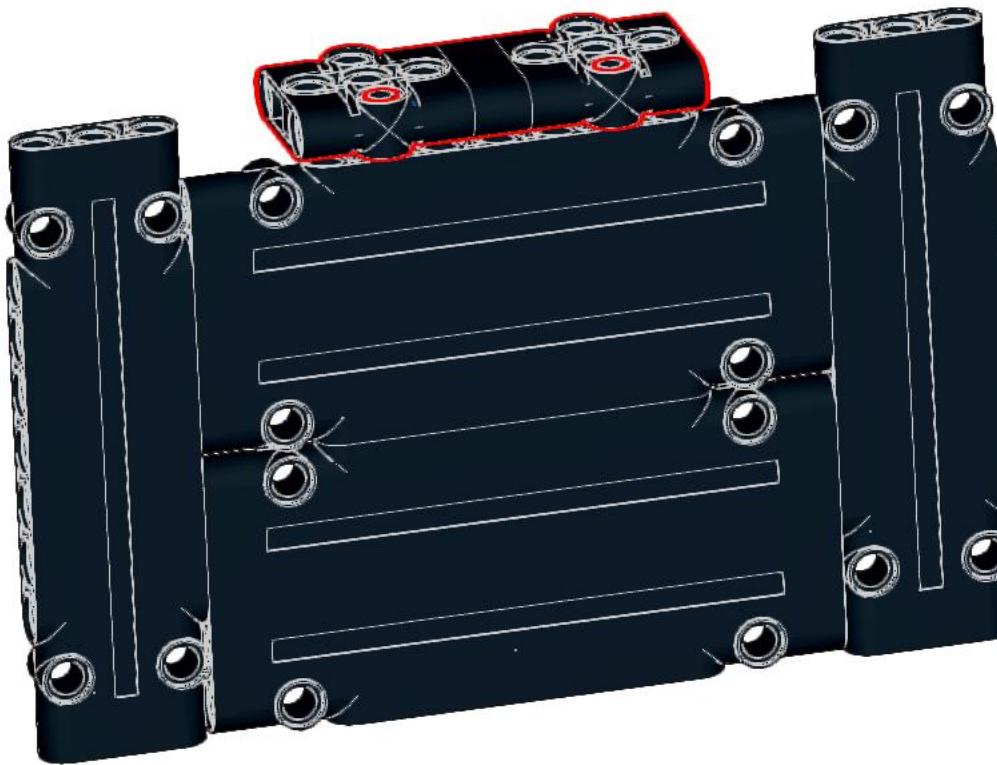
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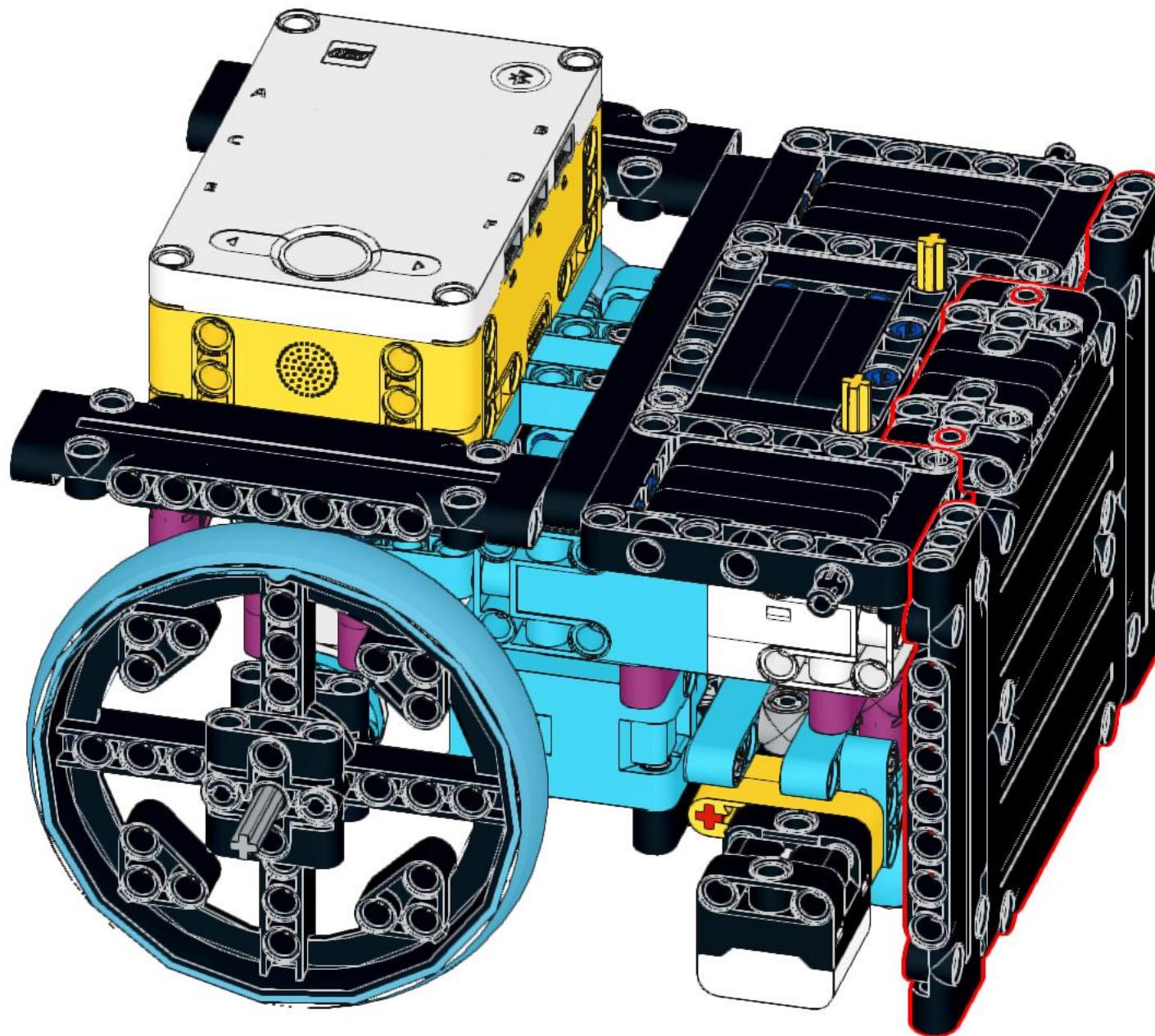
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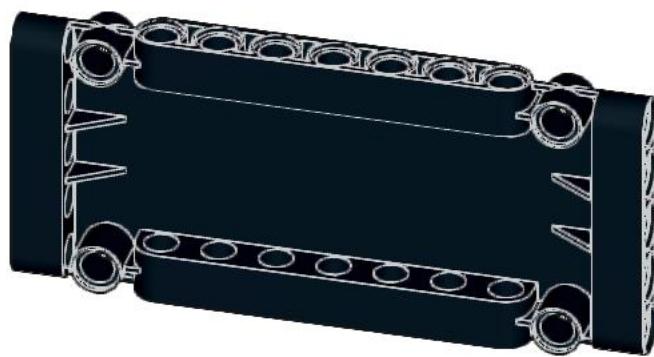
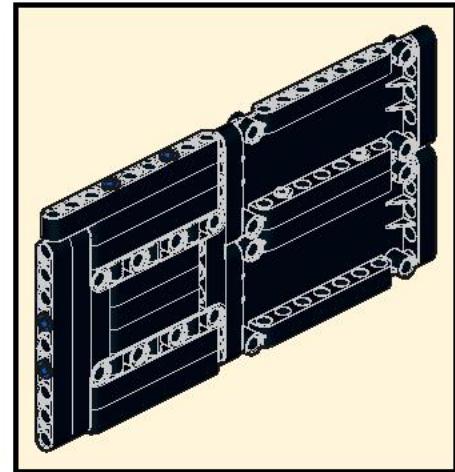
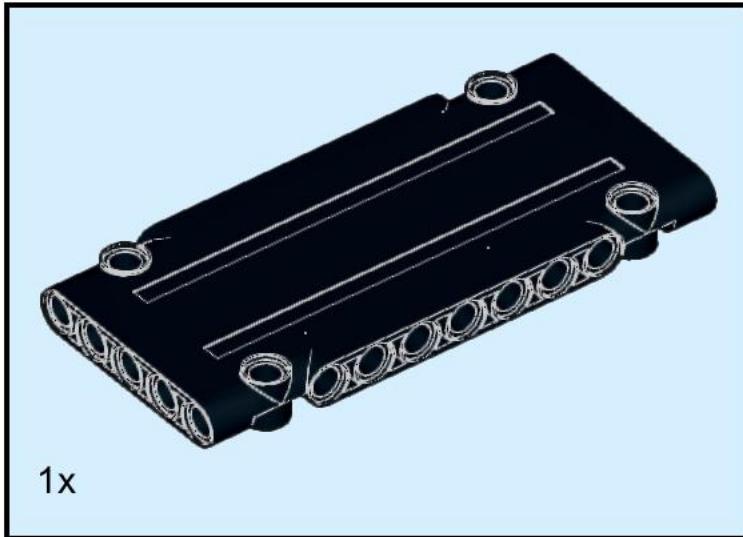
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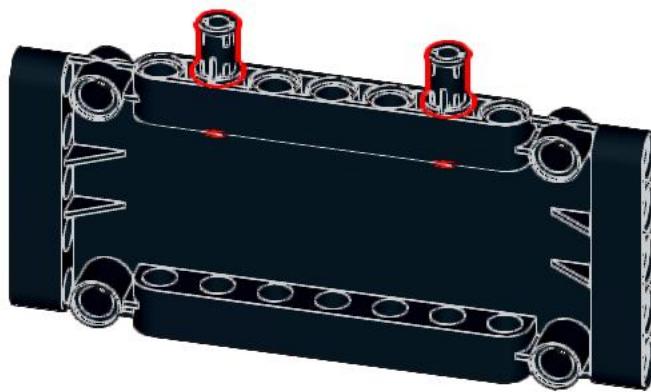
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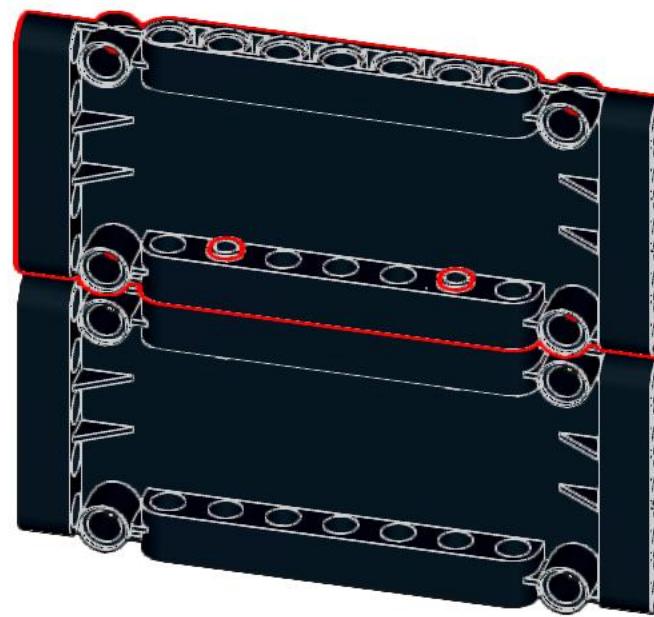
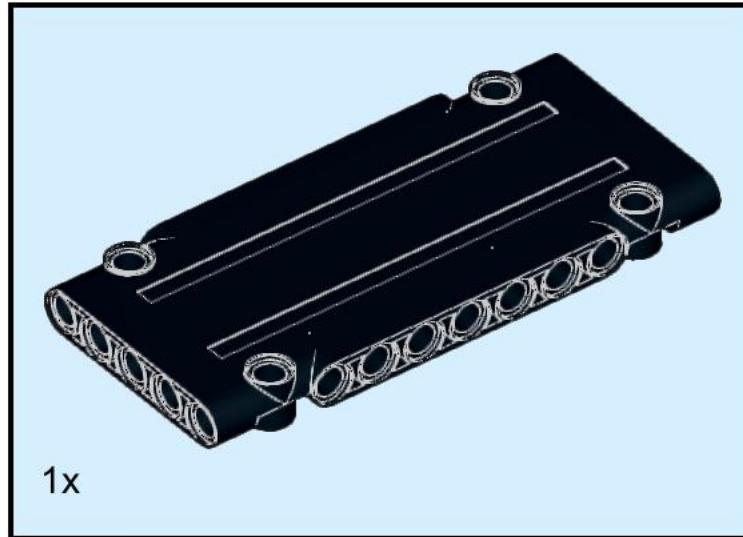
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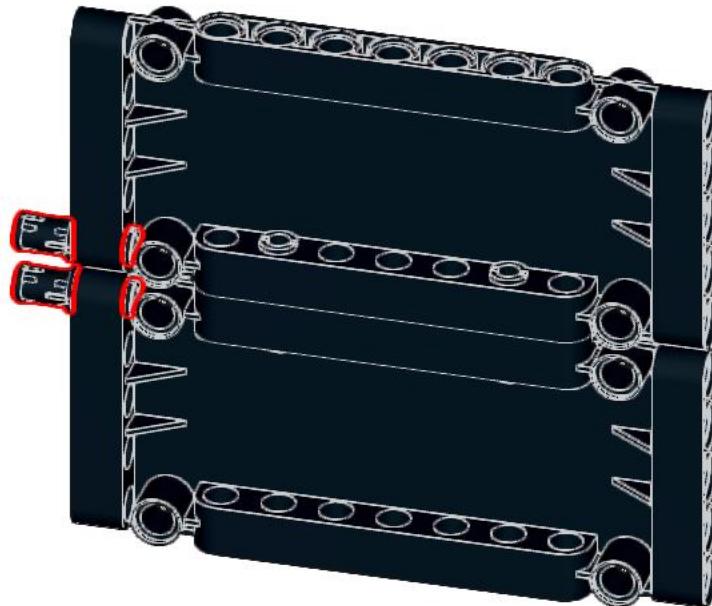
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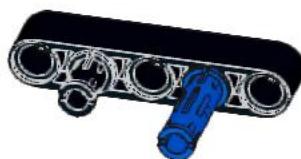
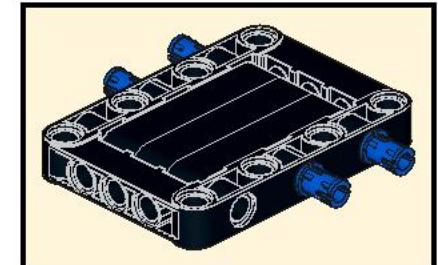
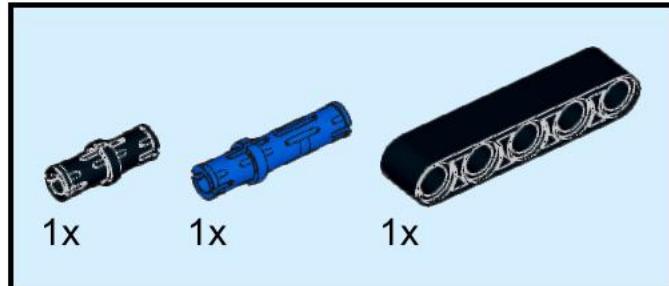
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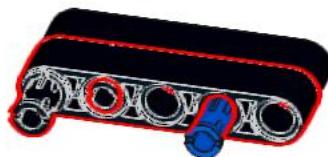
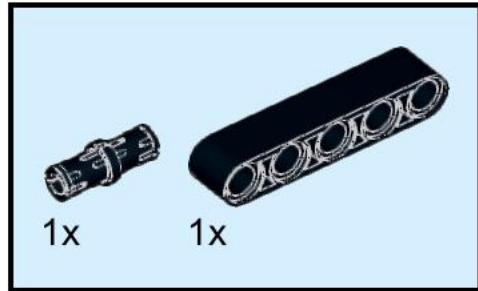
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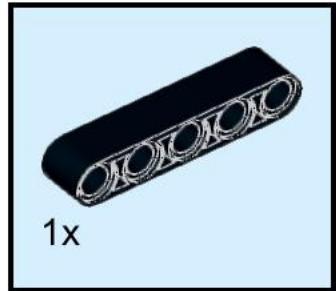
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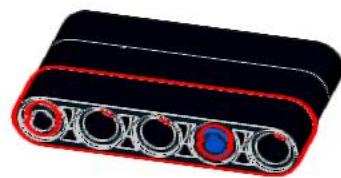
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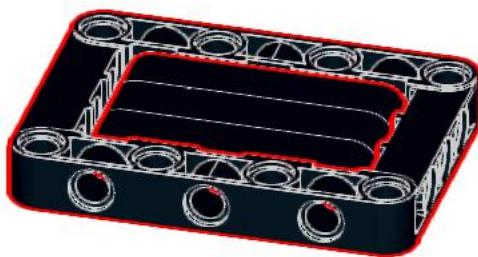
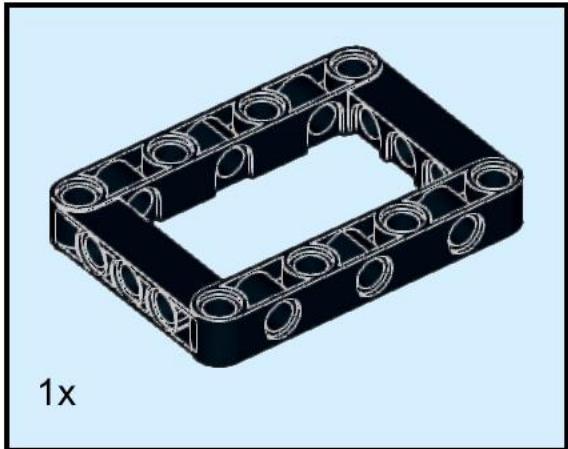
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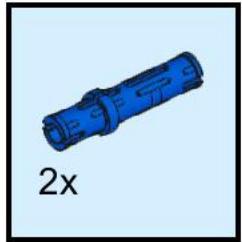
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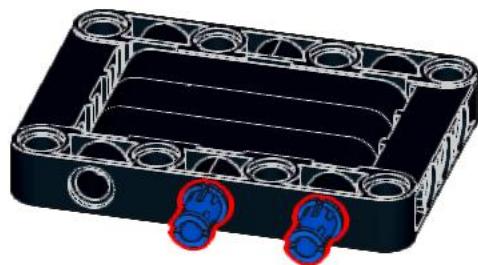
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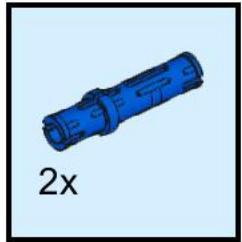
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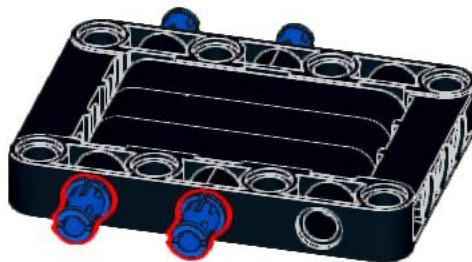
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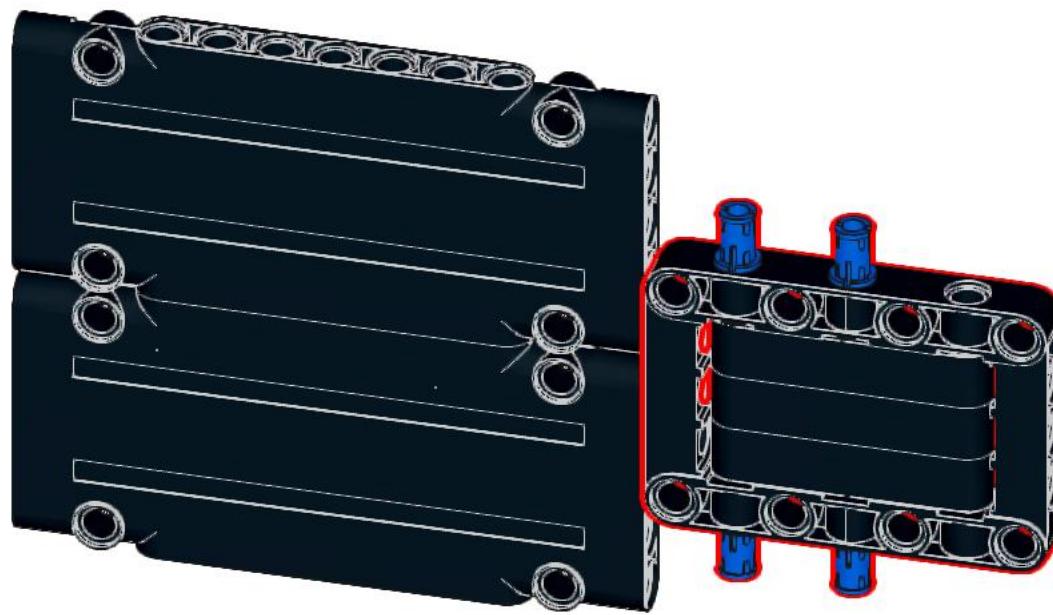
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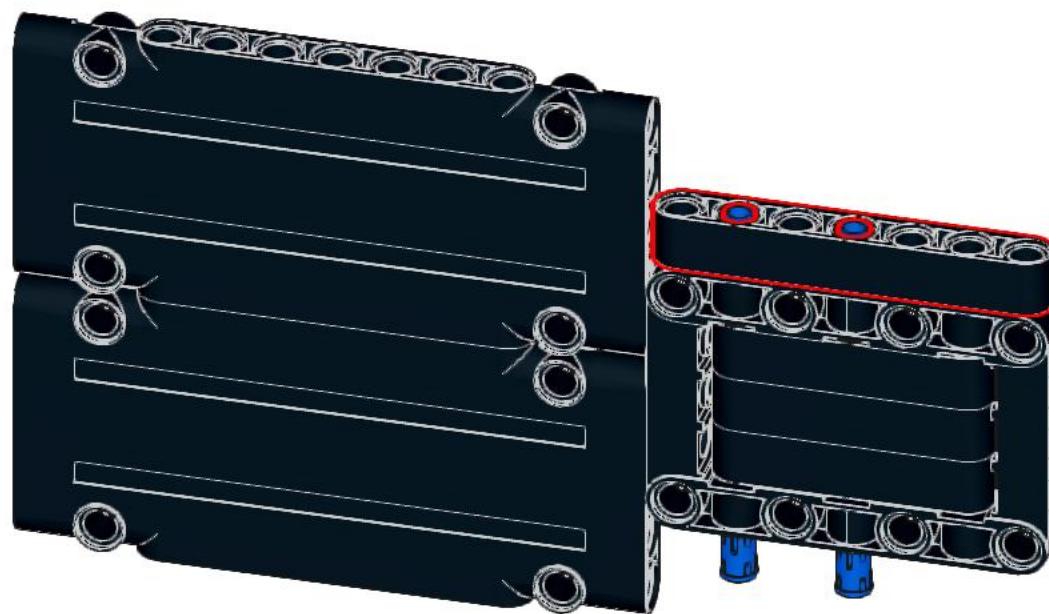
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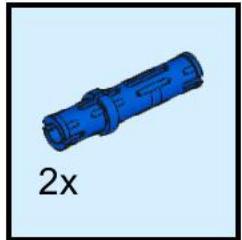
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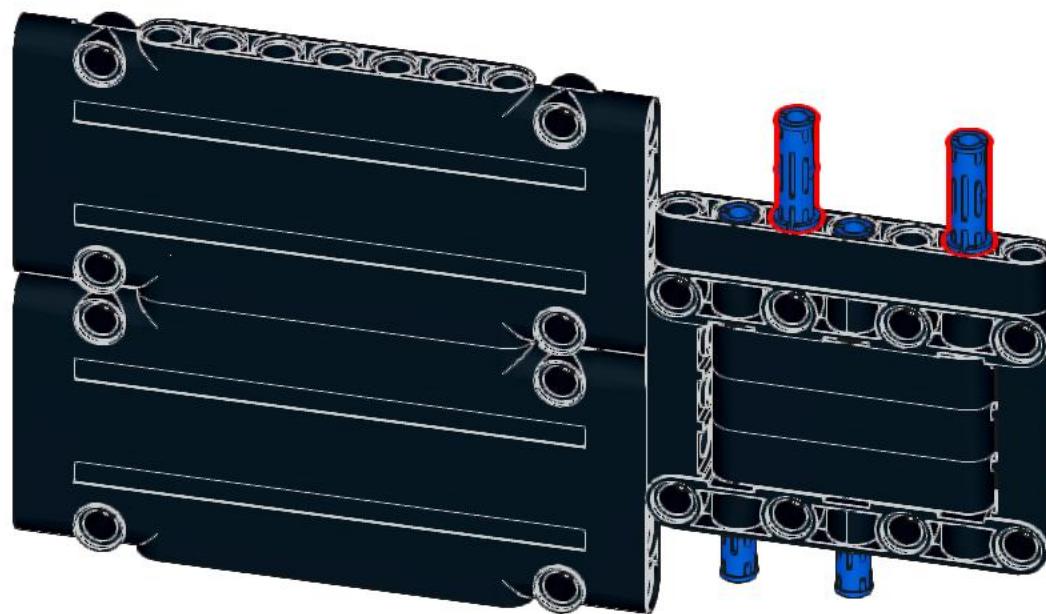
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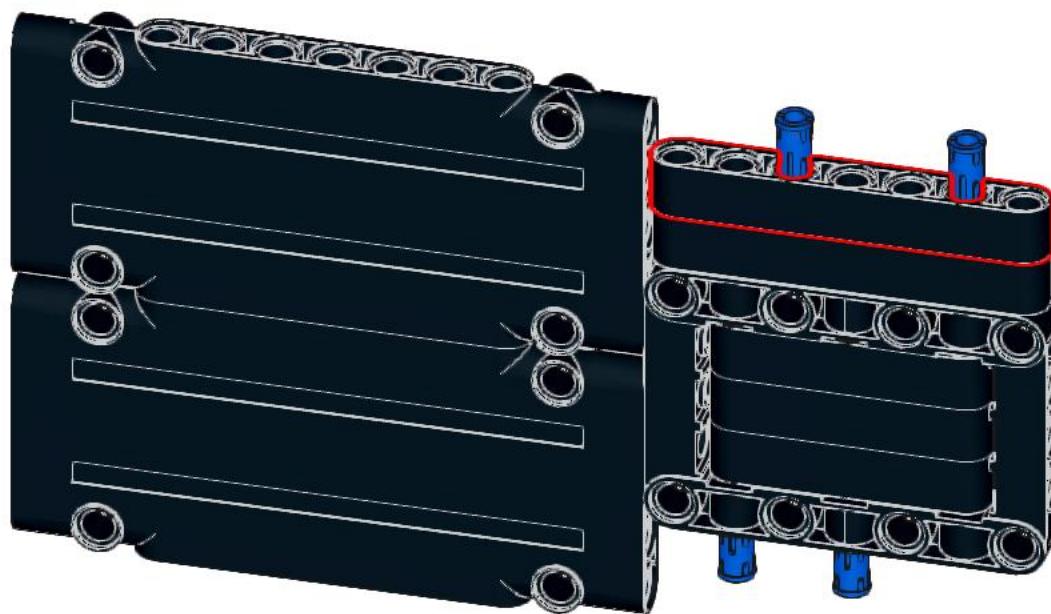
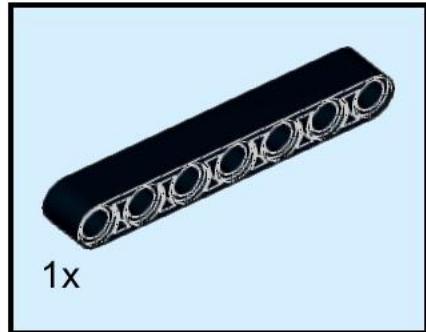
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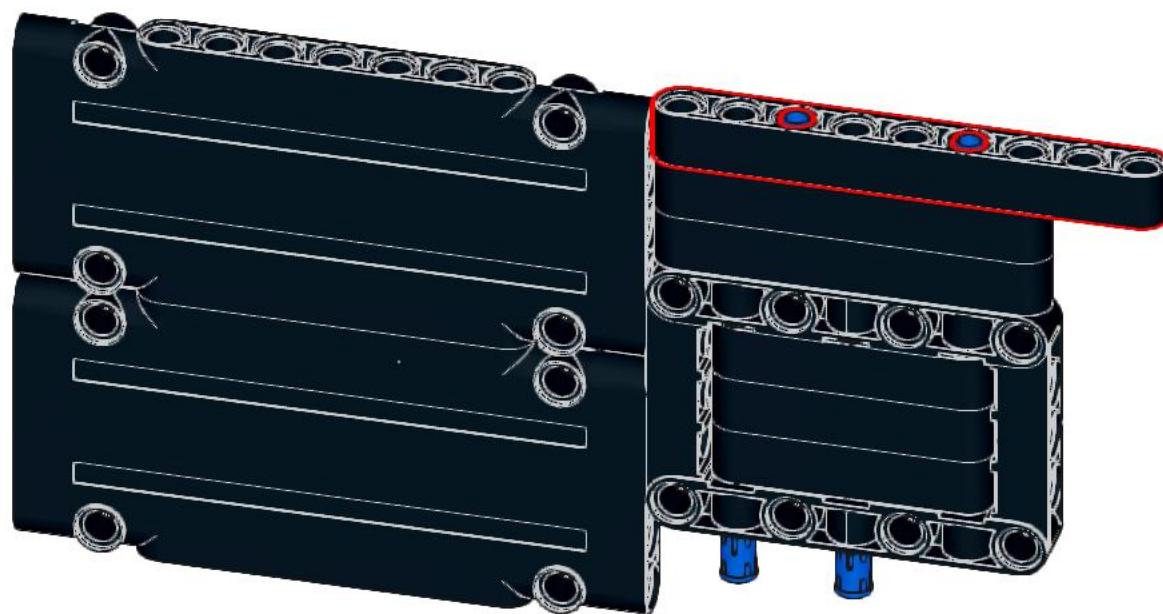
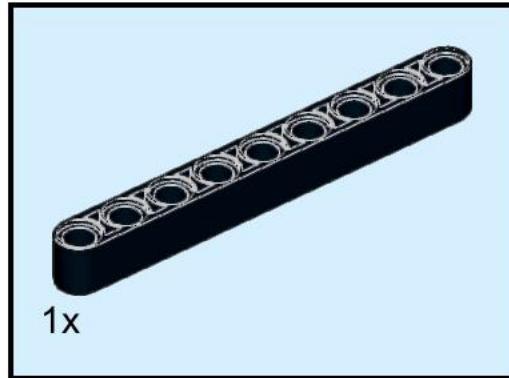
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**137**



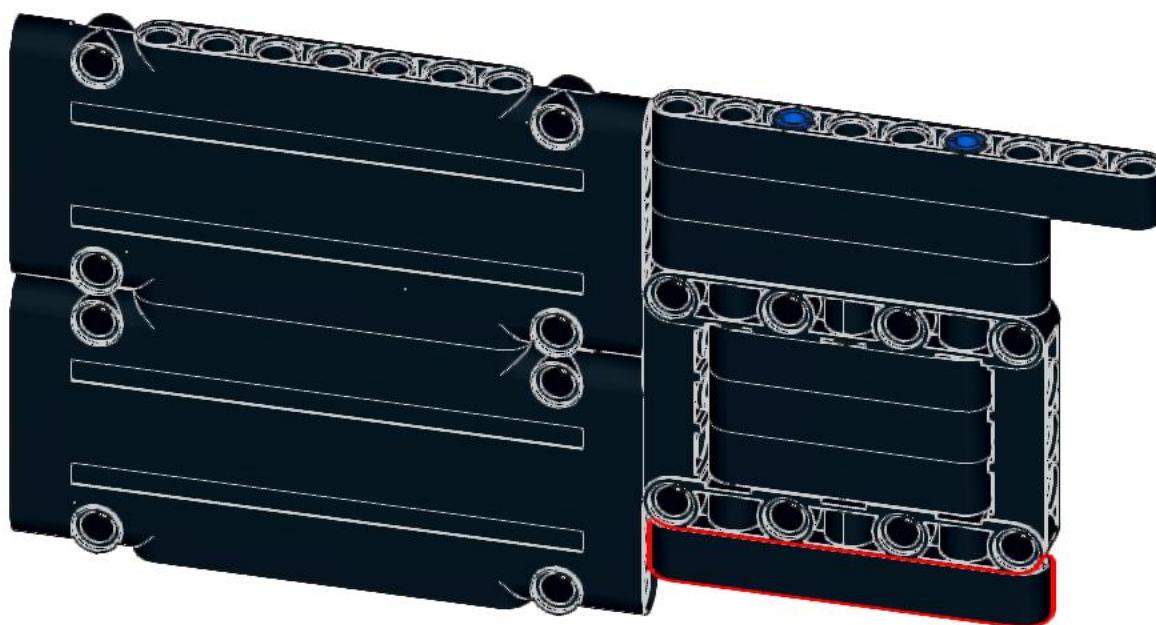
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**139**



1x



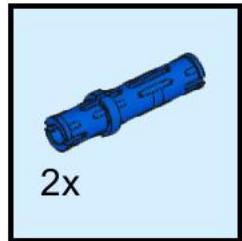
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**141**



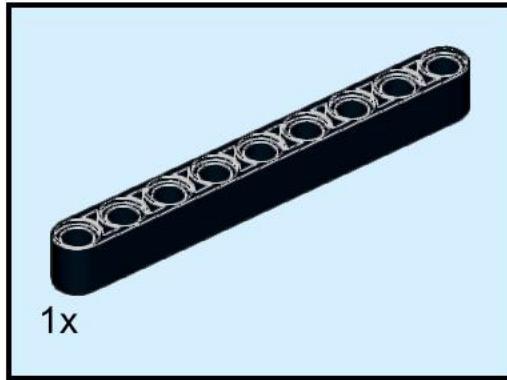
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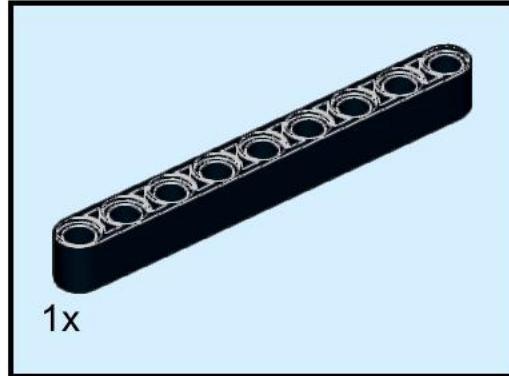
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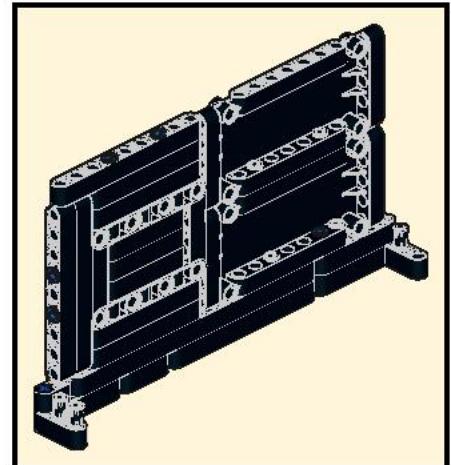
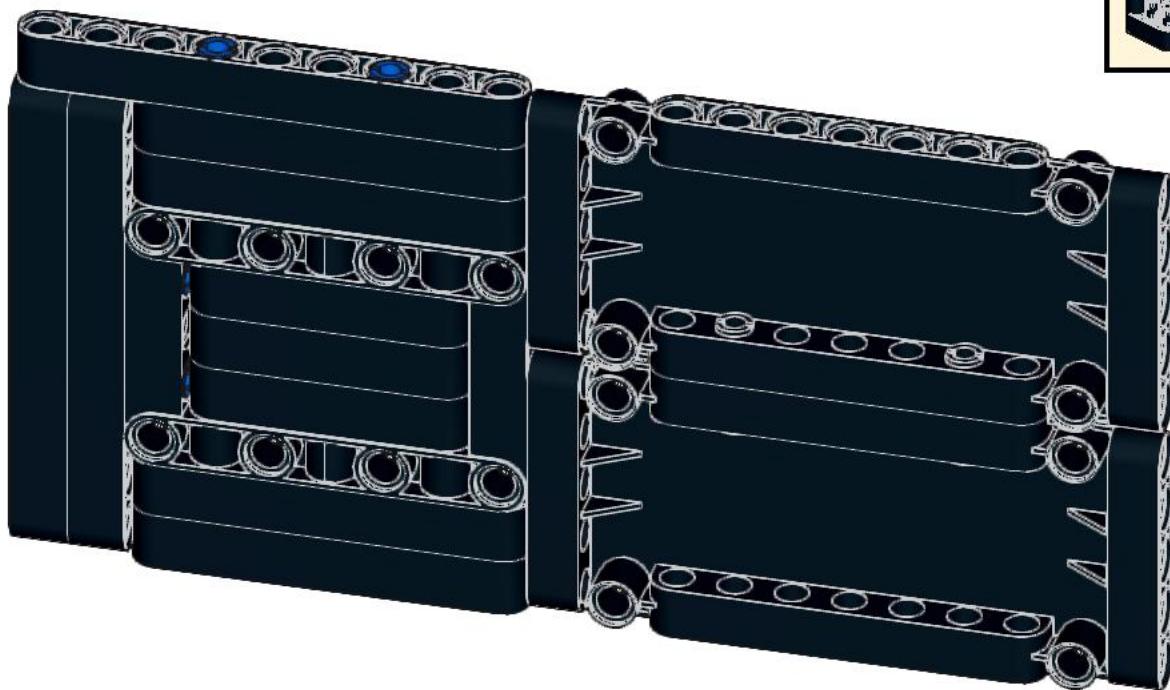
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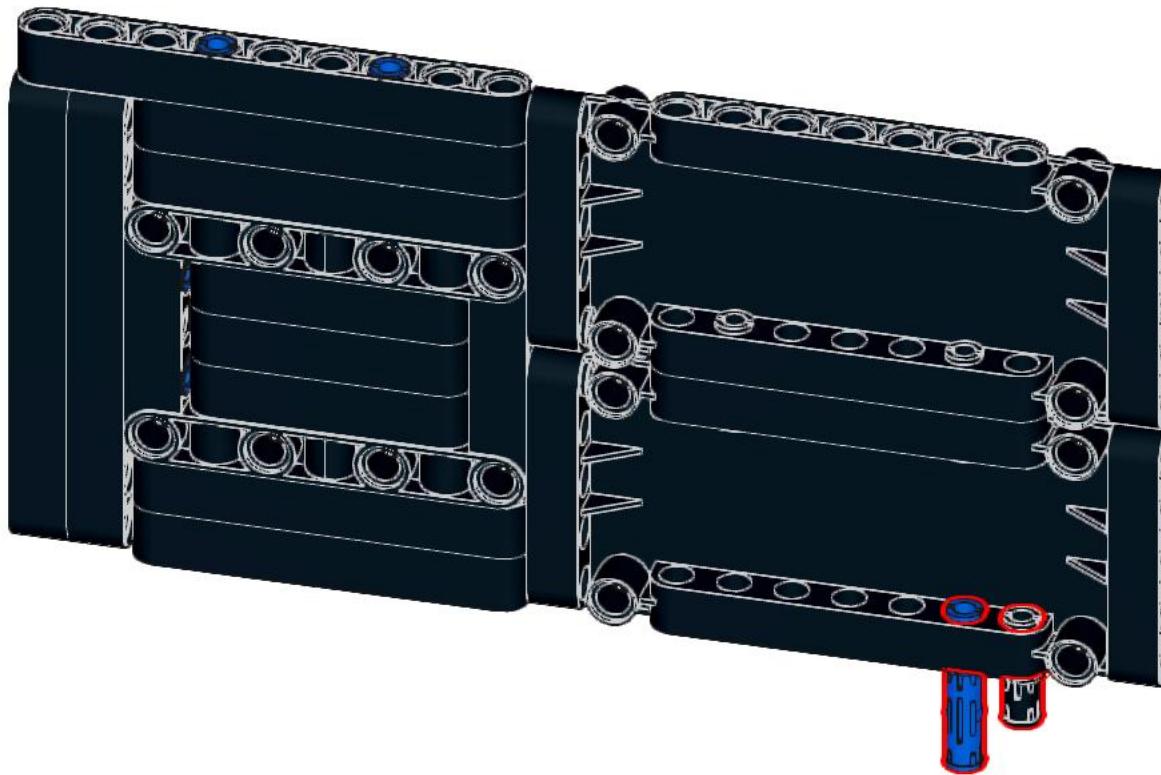
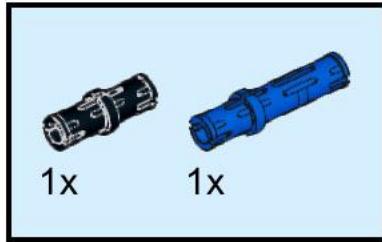
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**145**



**146**



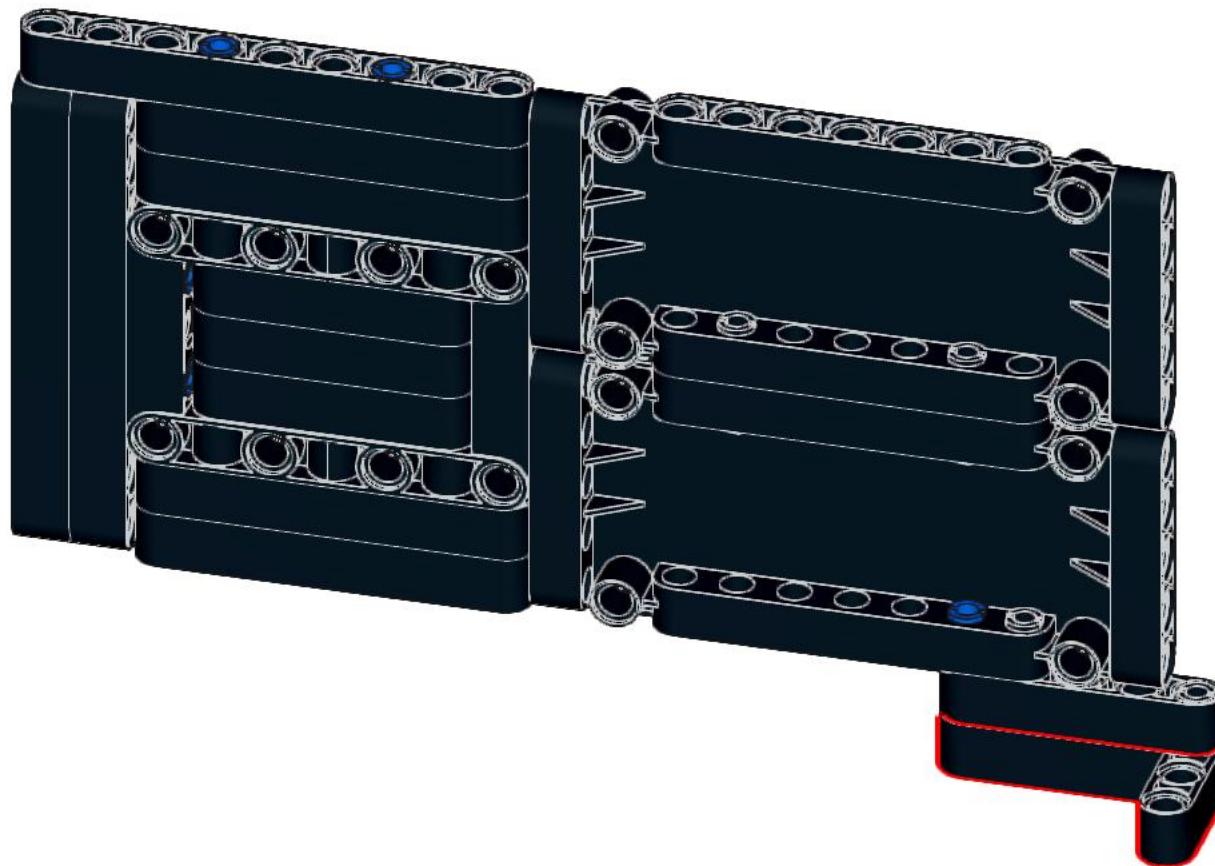
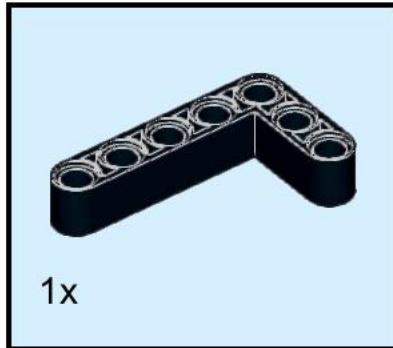
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**148**



**149**



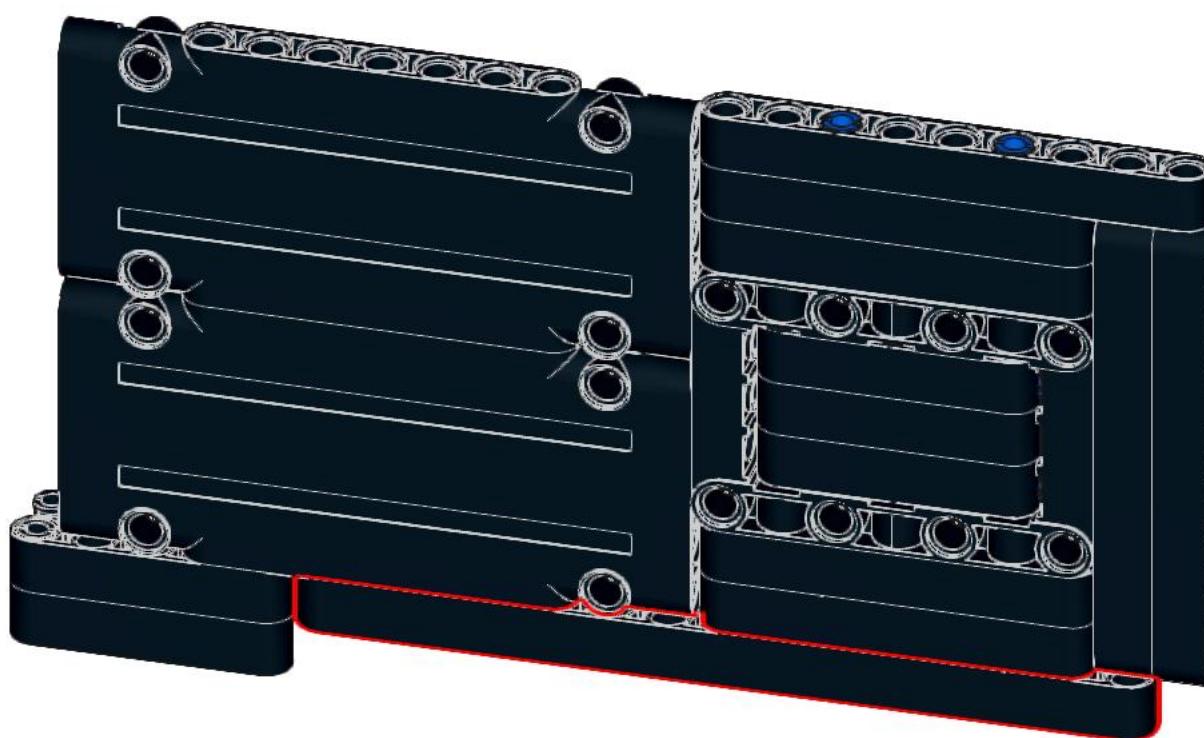
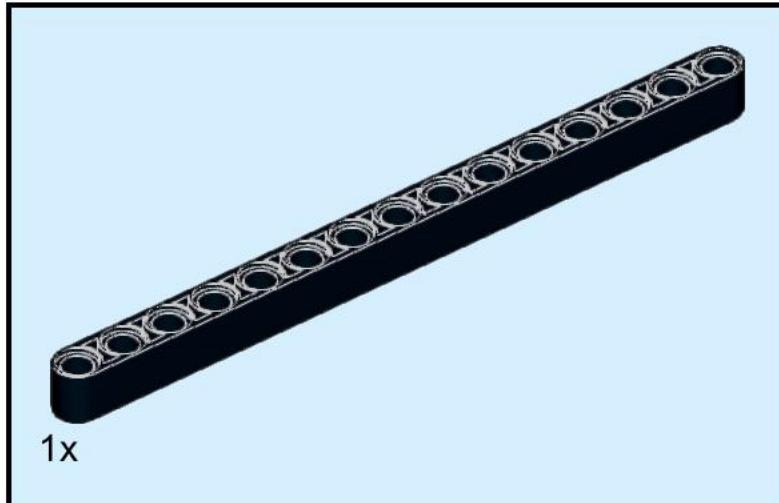
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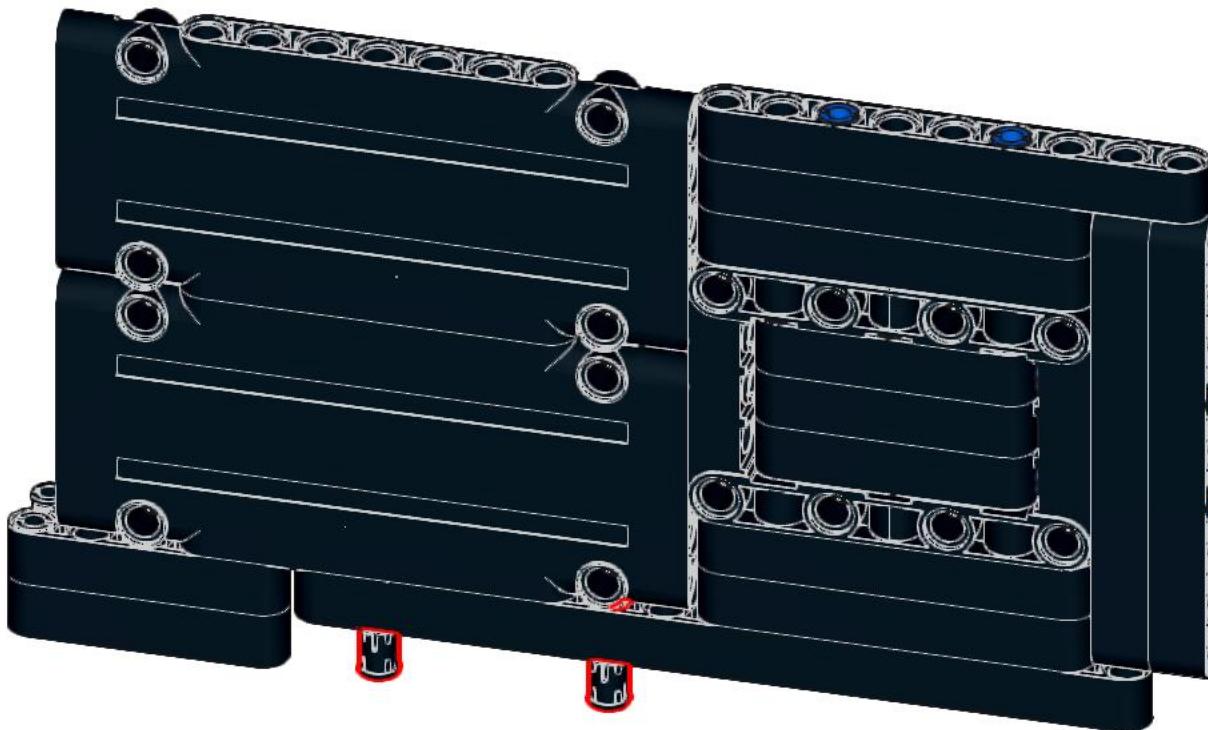
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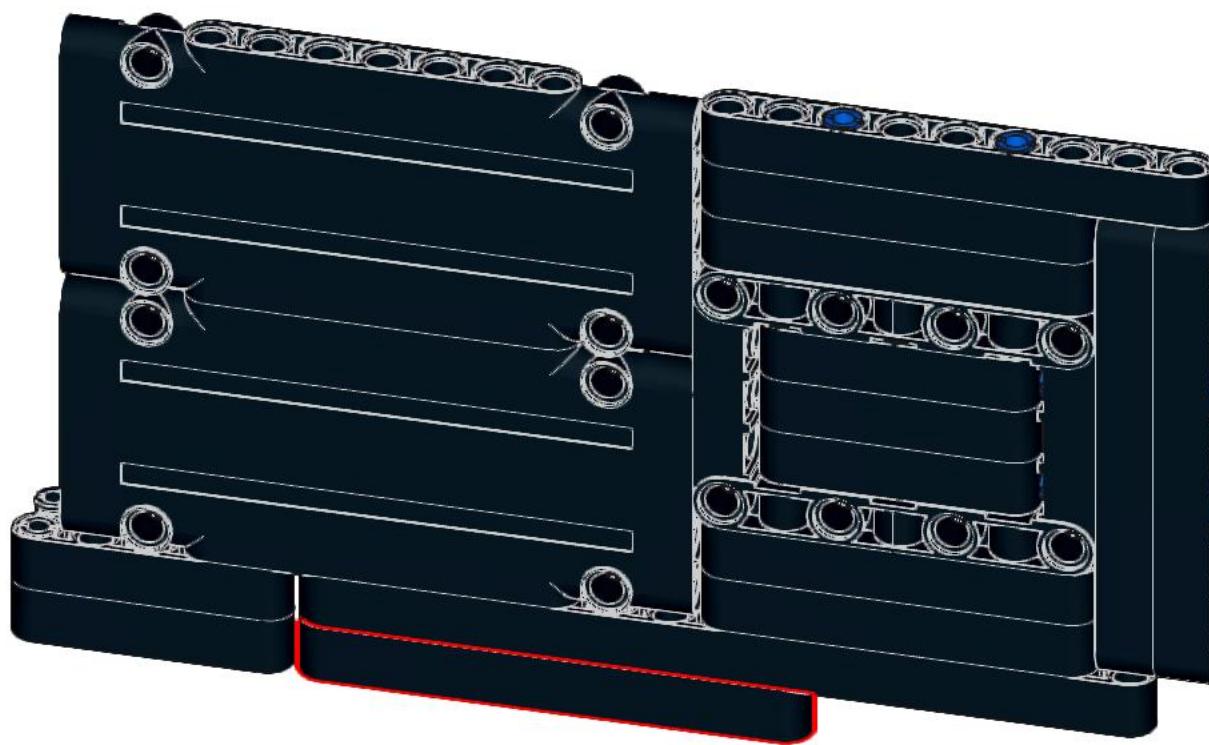
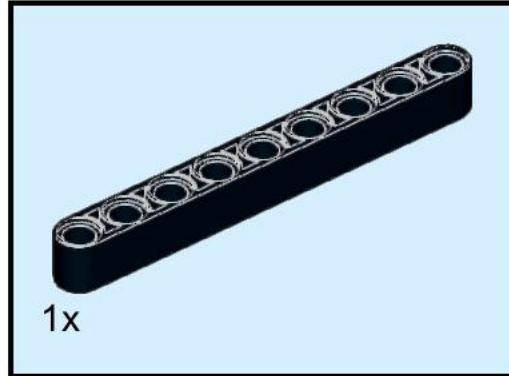
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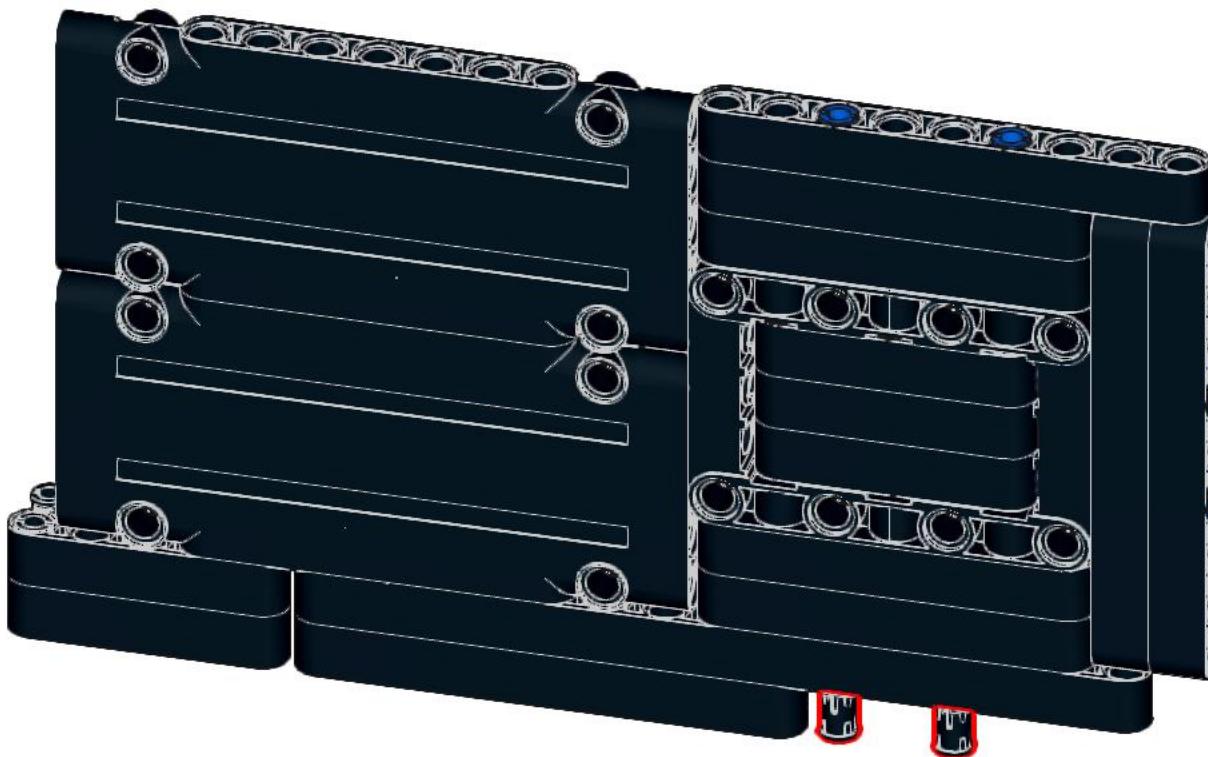
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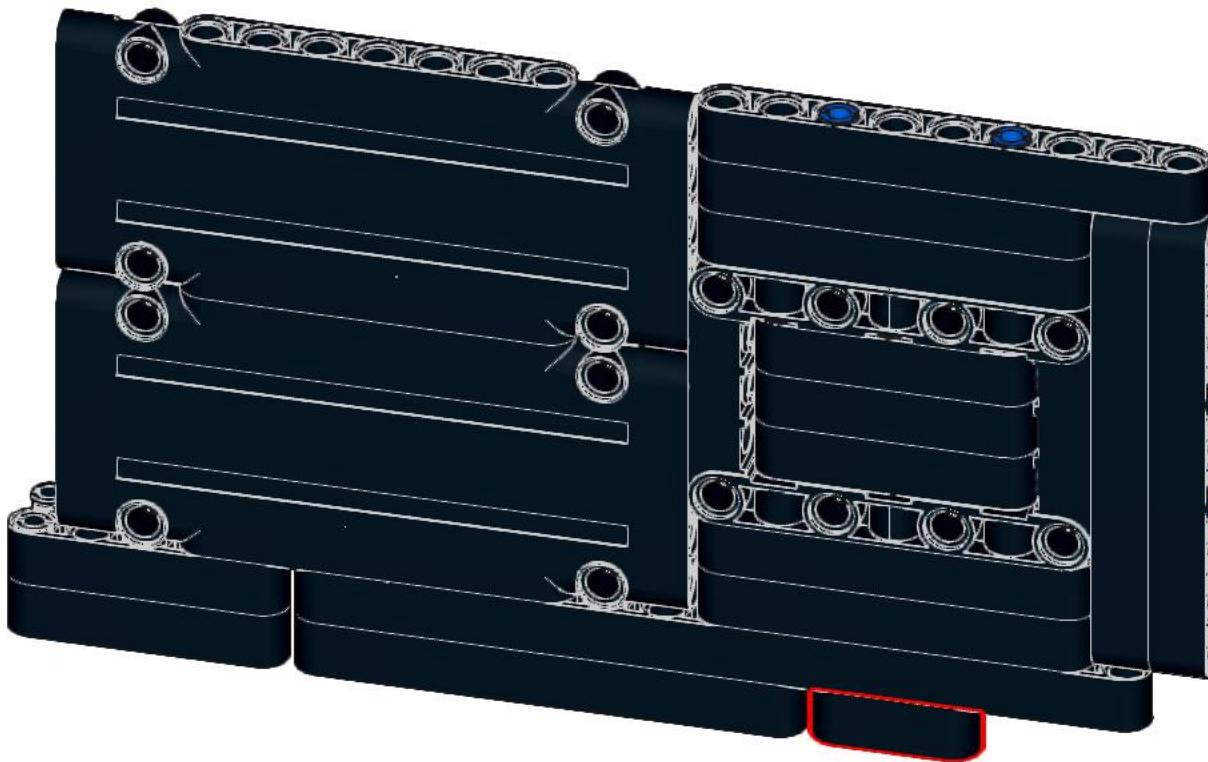
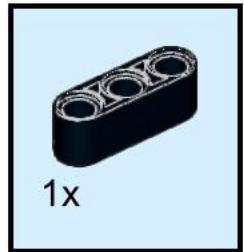
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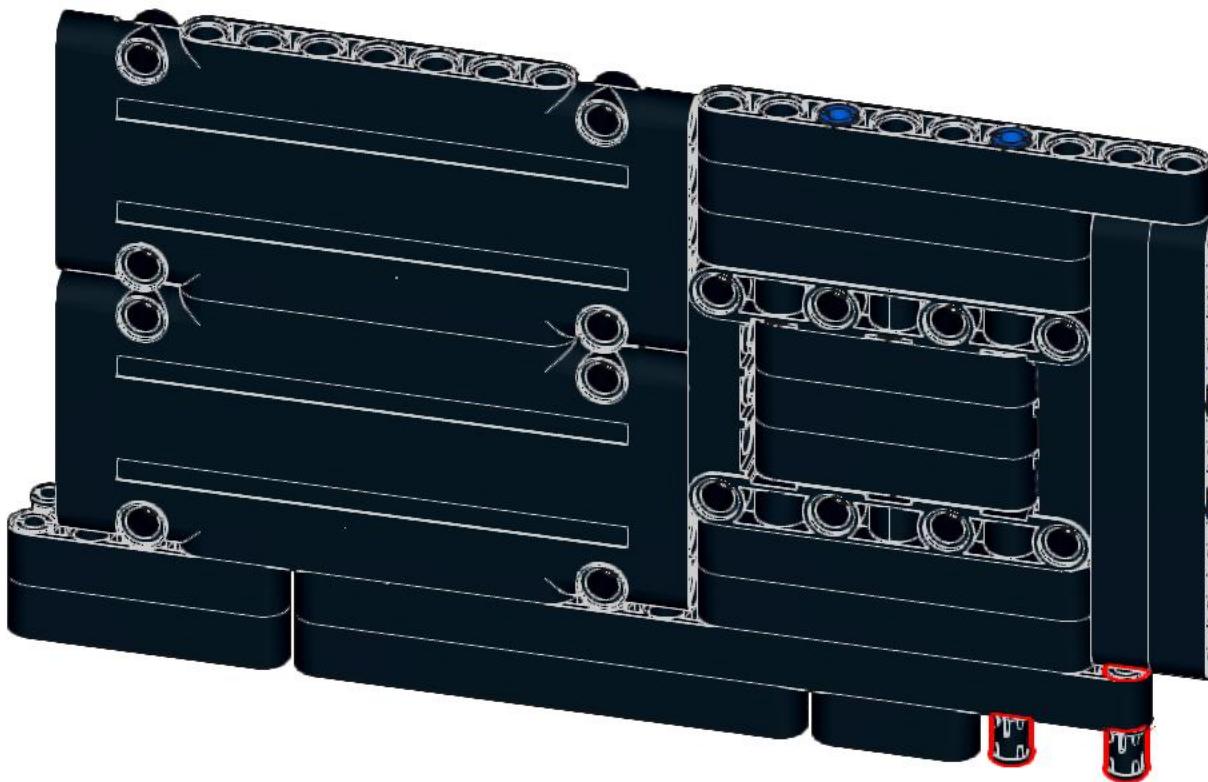
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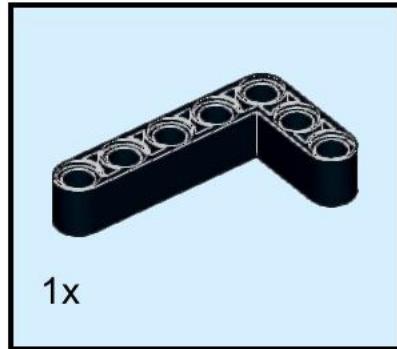
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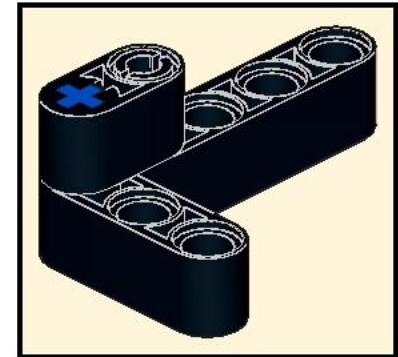
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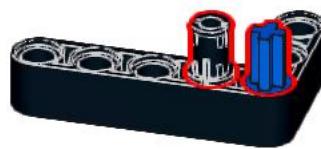
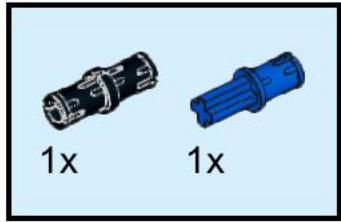
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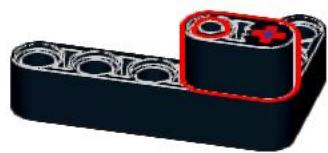
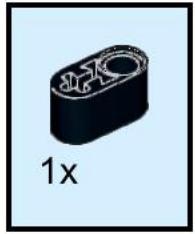
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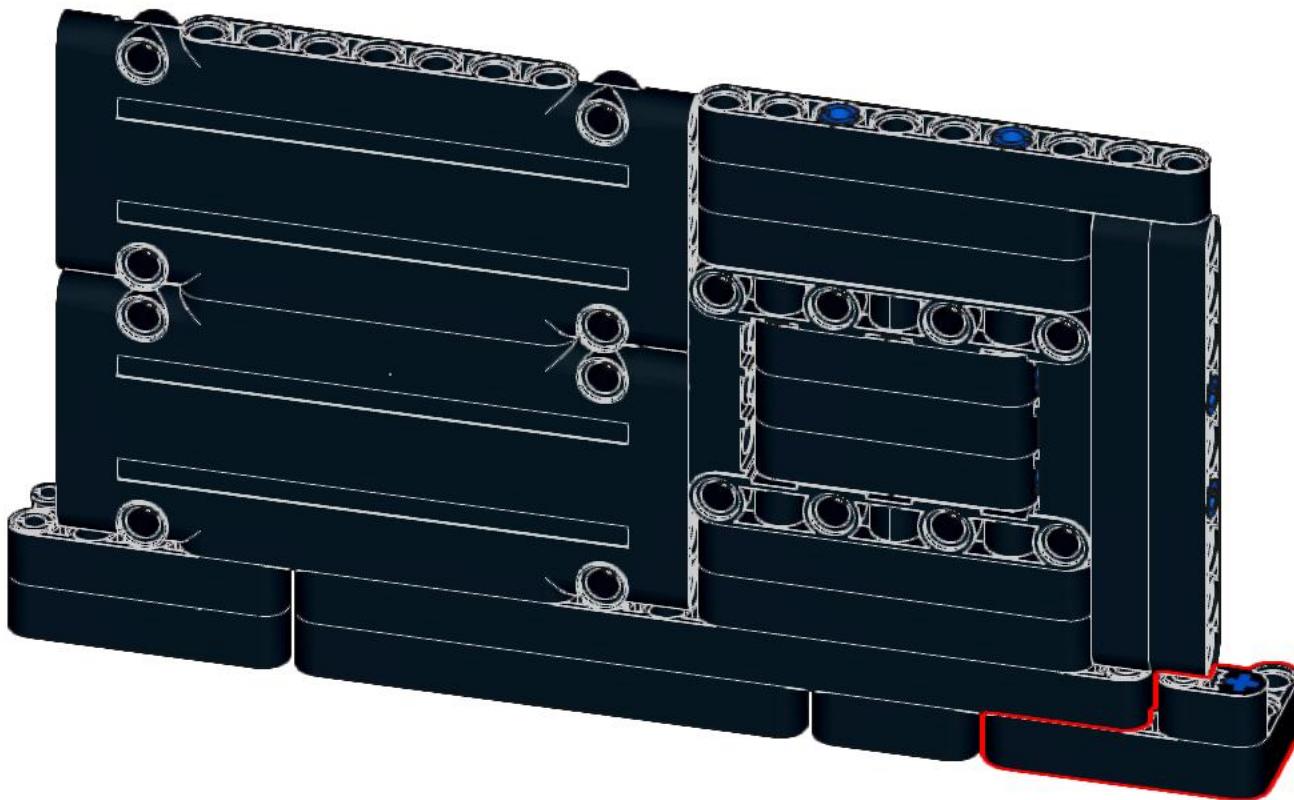
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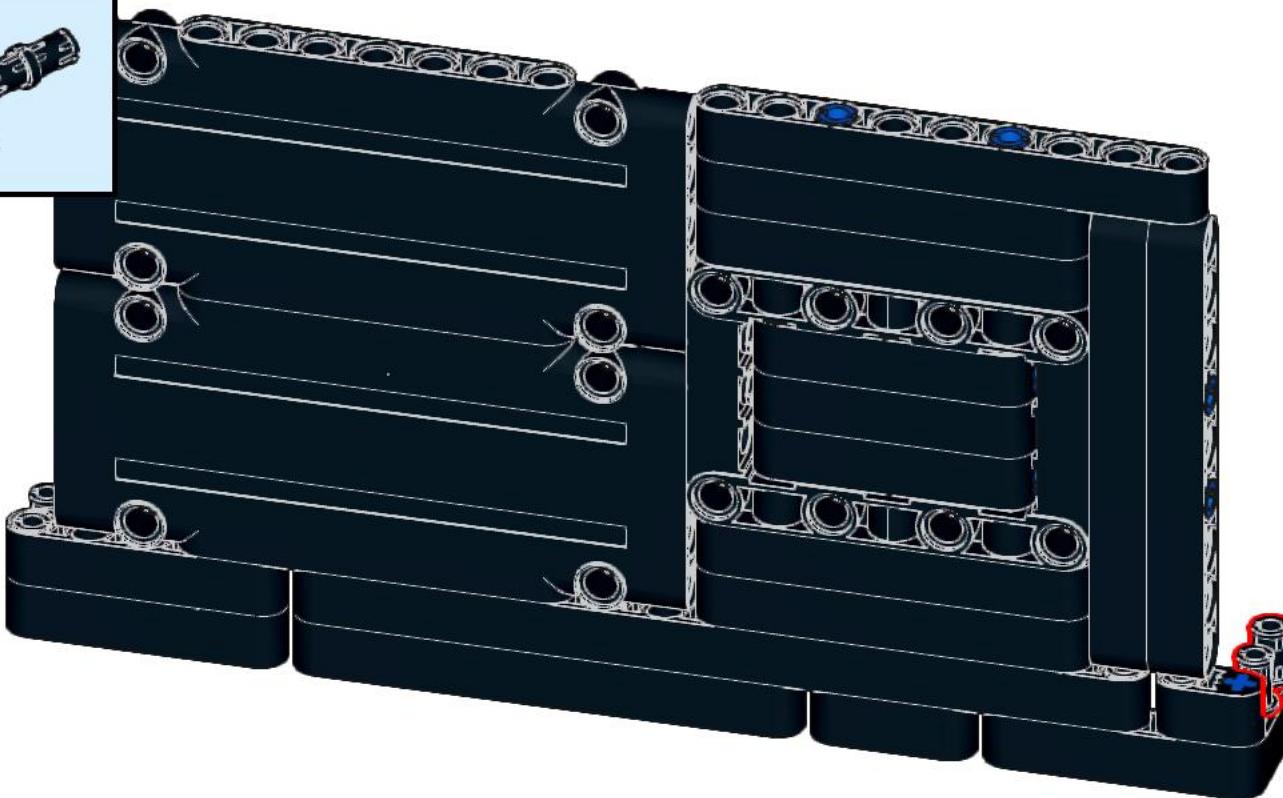
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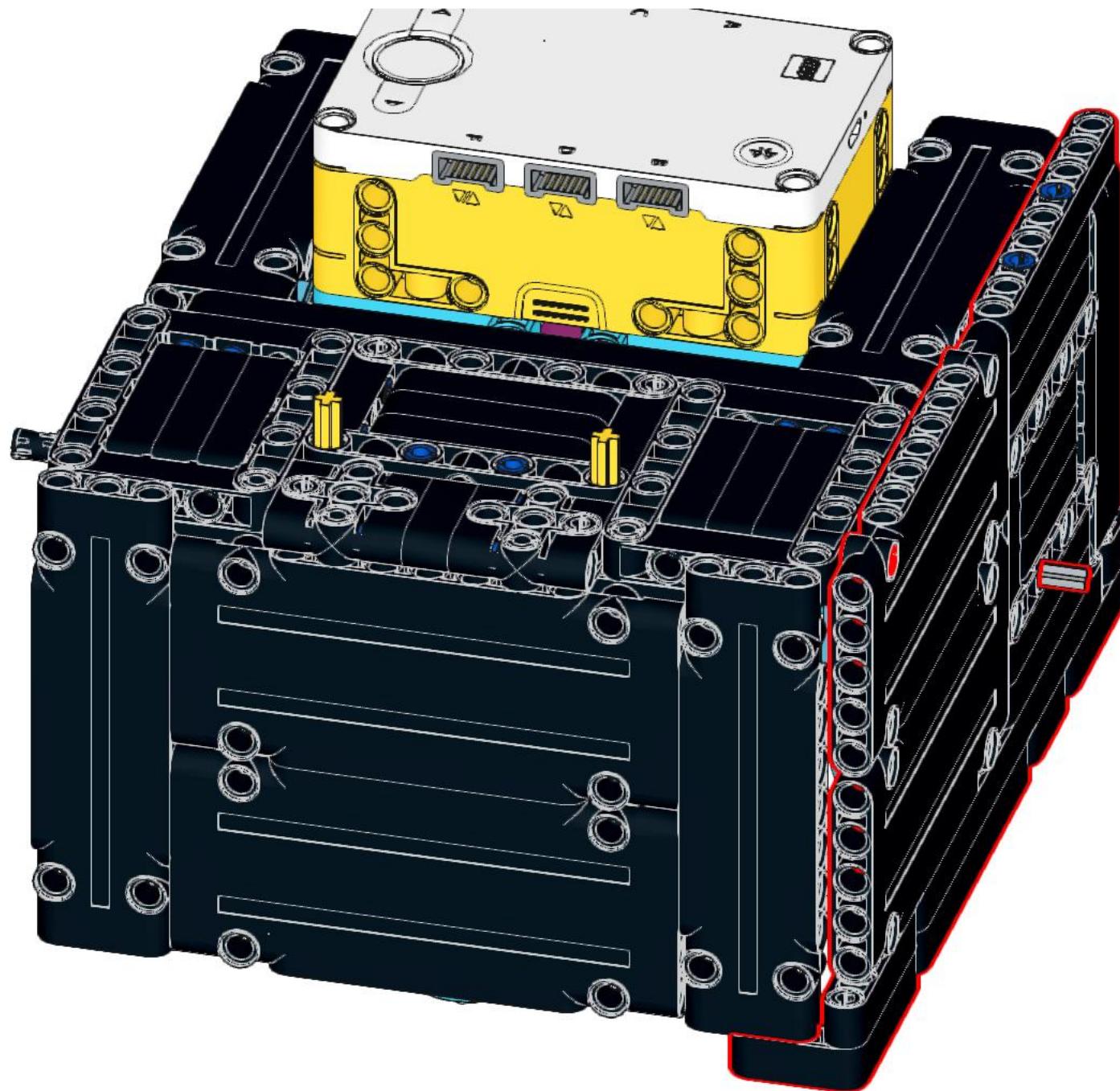
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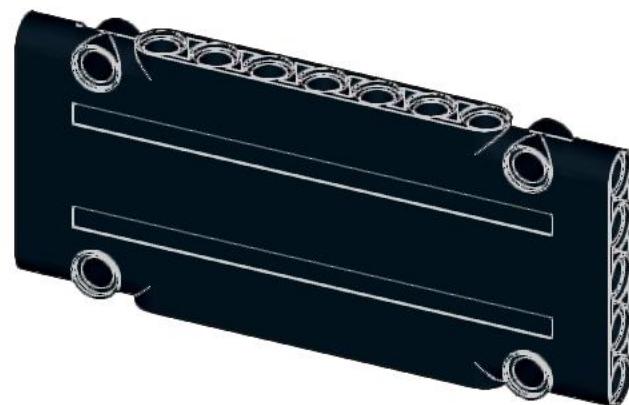
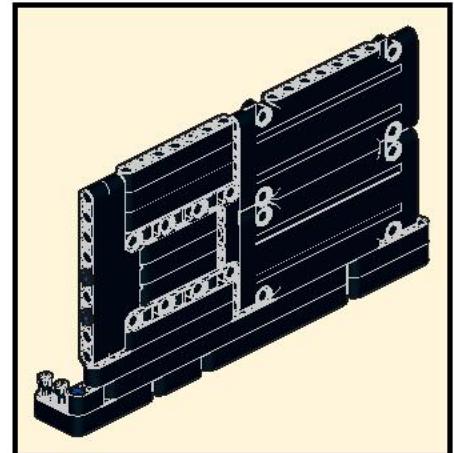
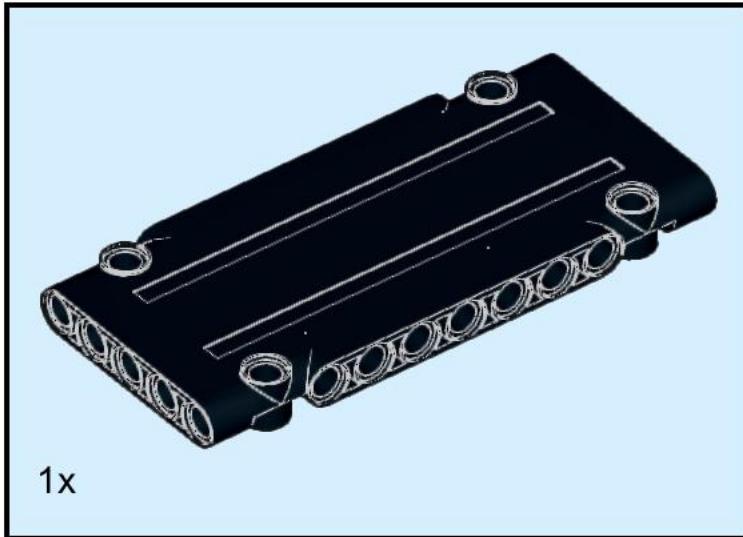
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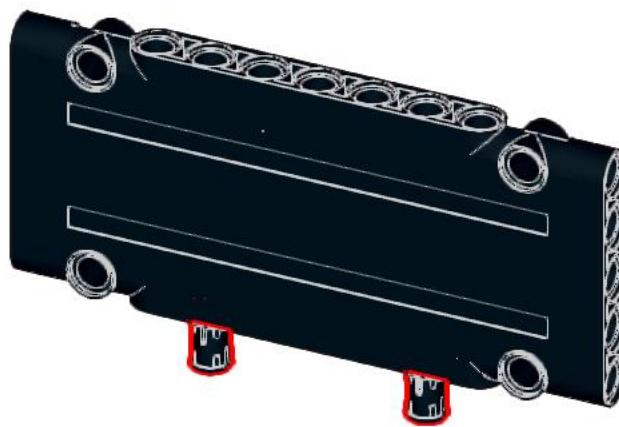
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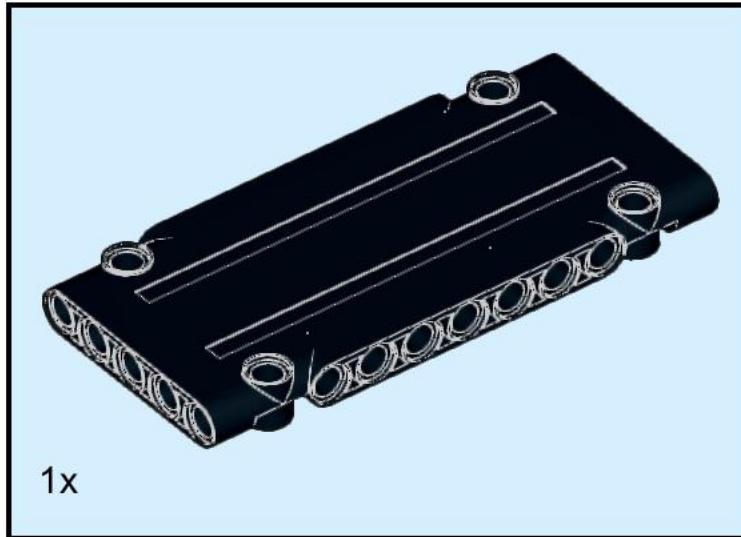
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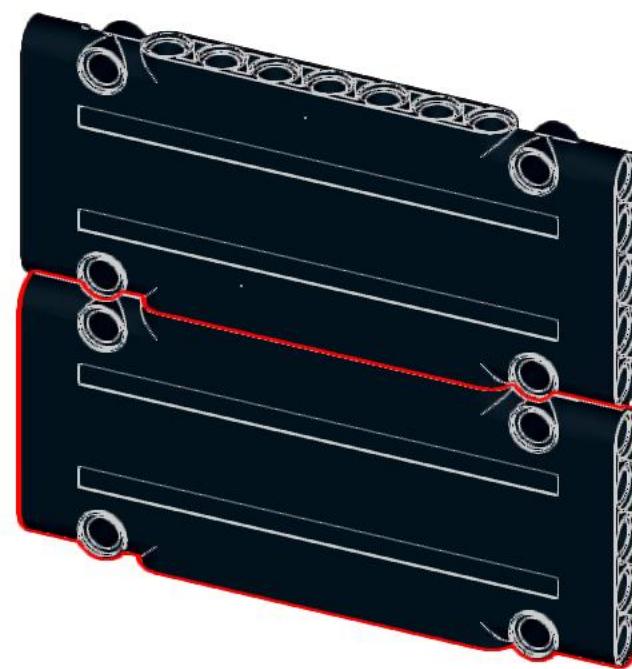
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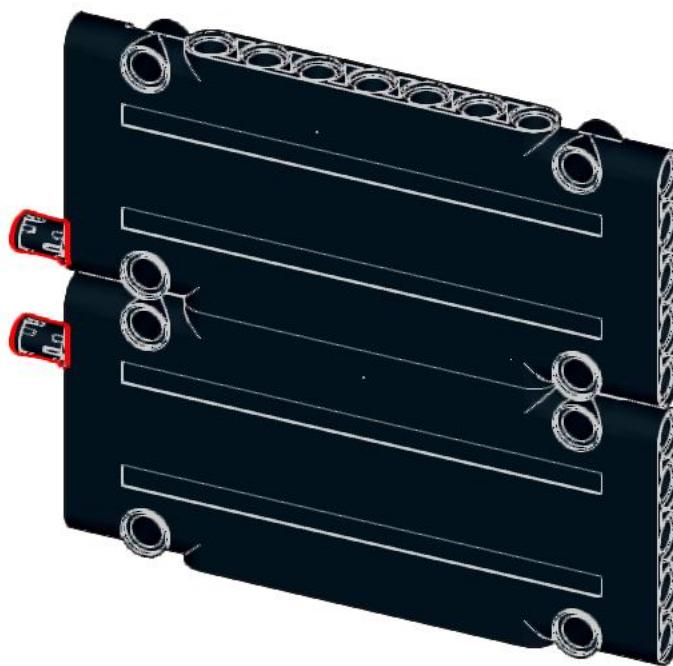
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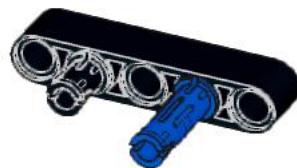
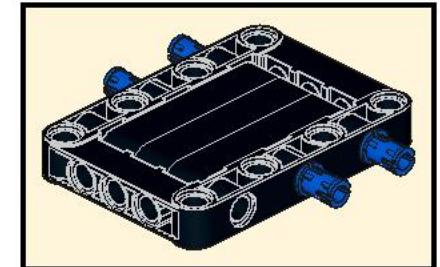
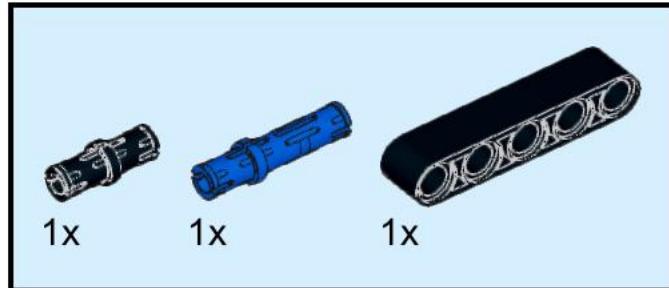
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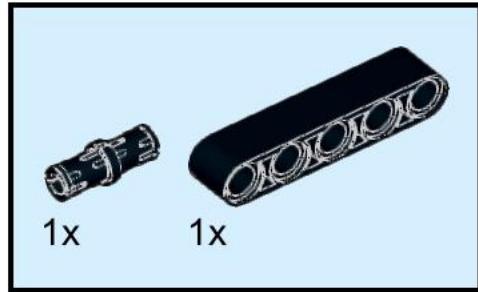
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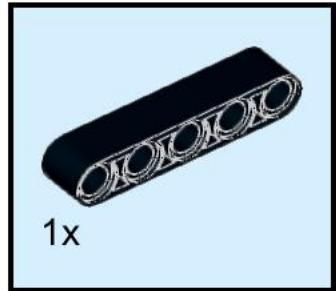
**168**



**169**



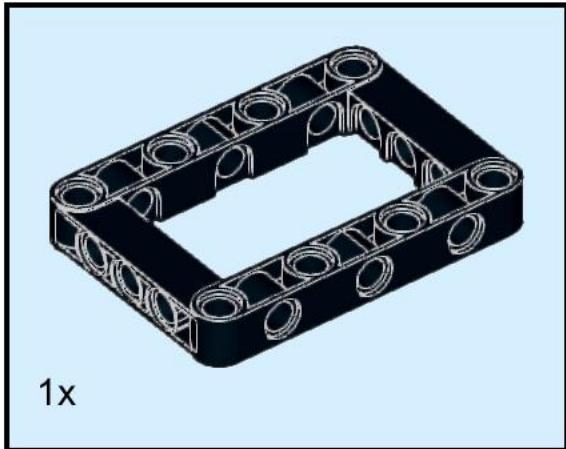
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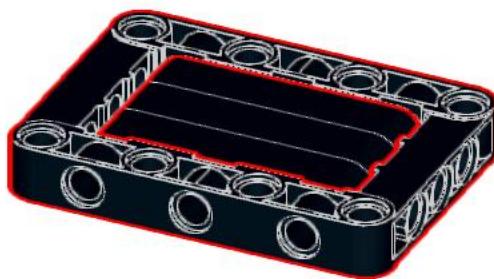
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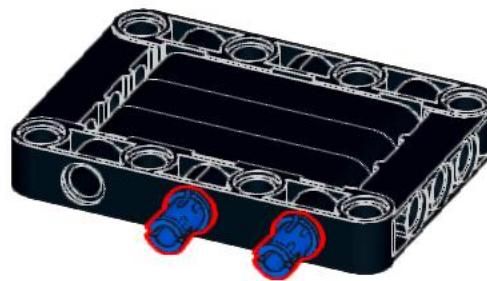
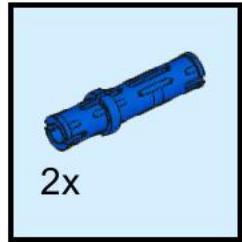
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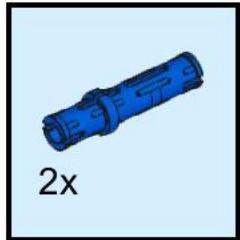
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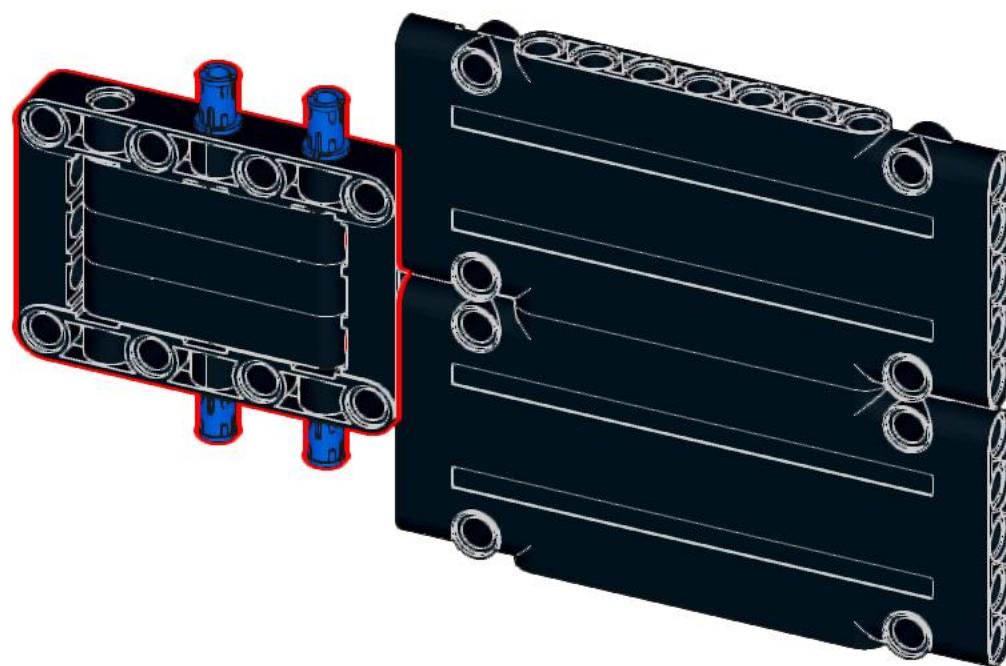
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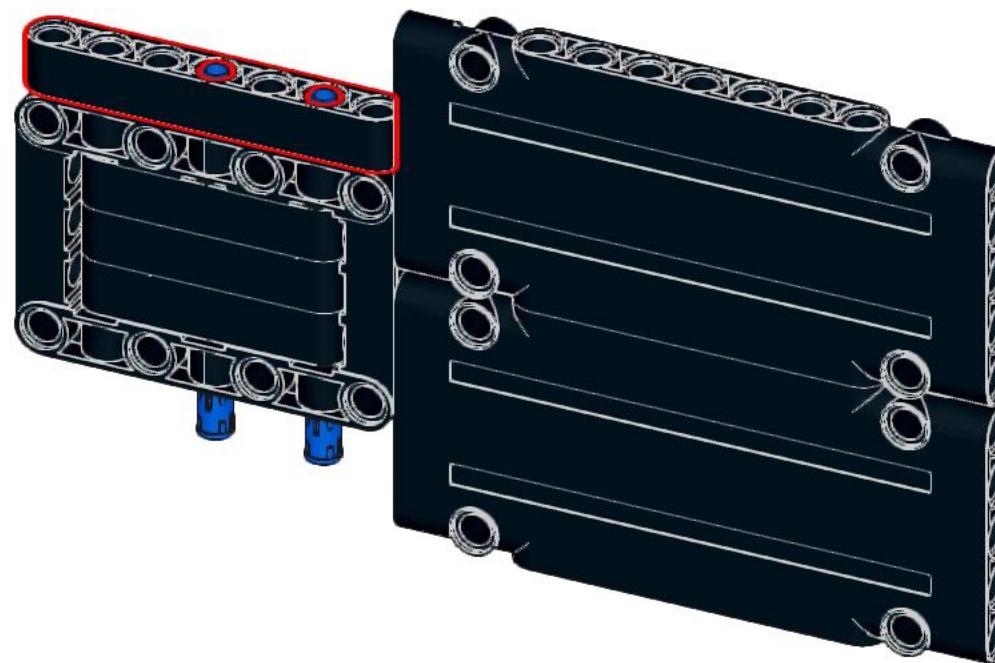
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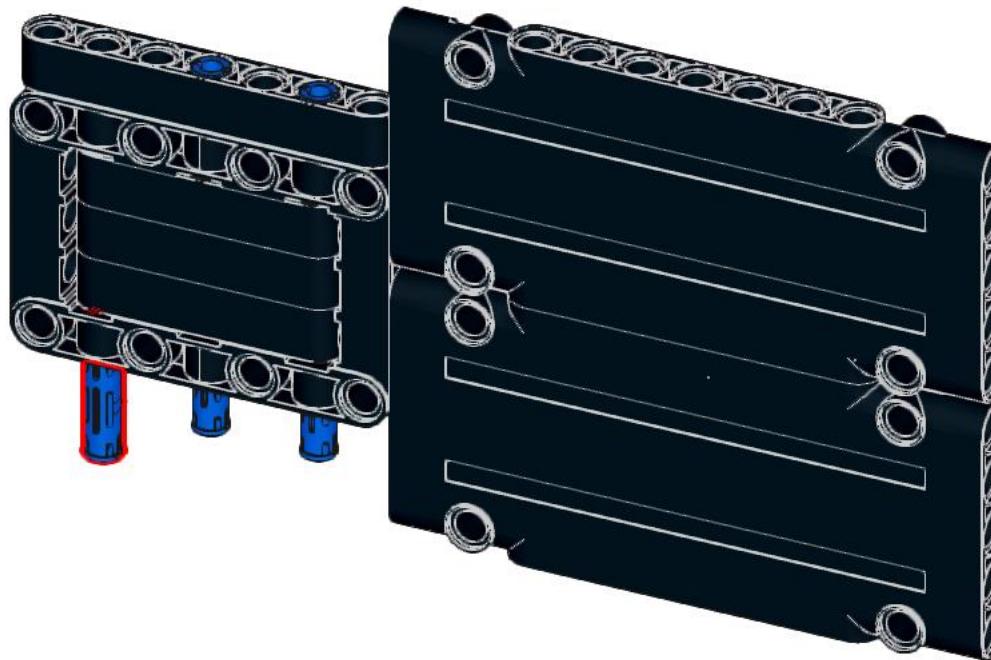
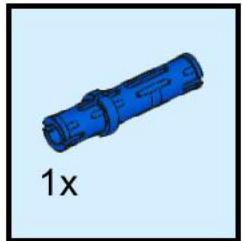
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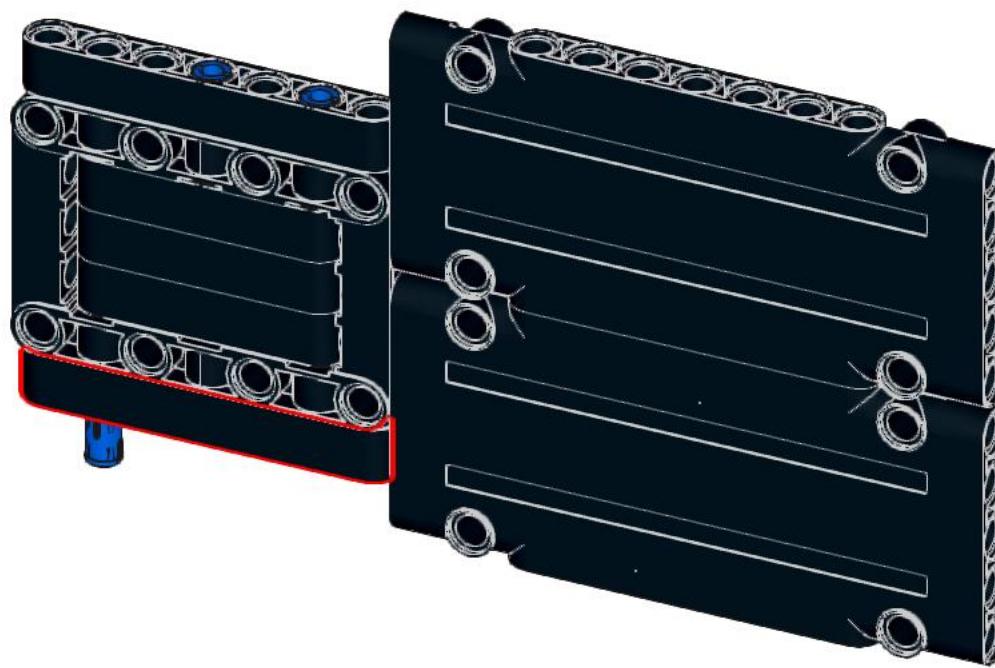
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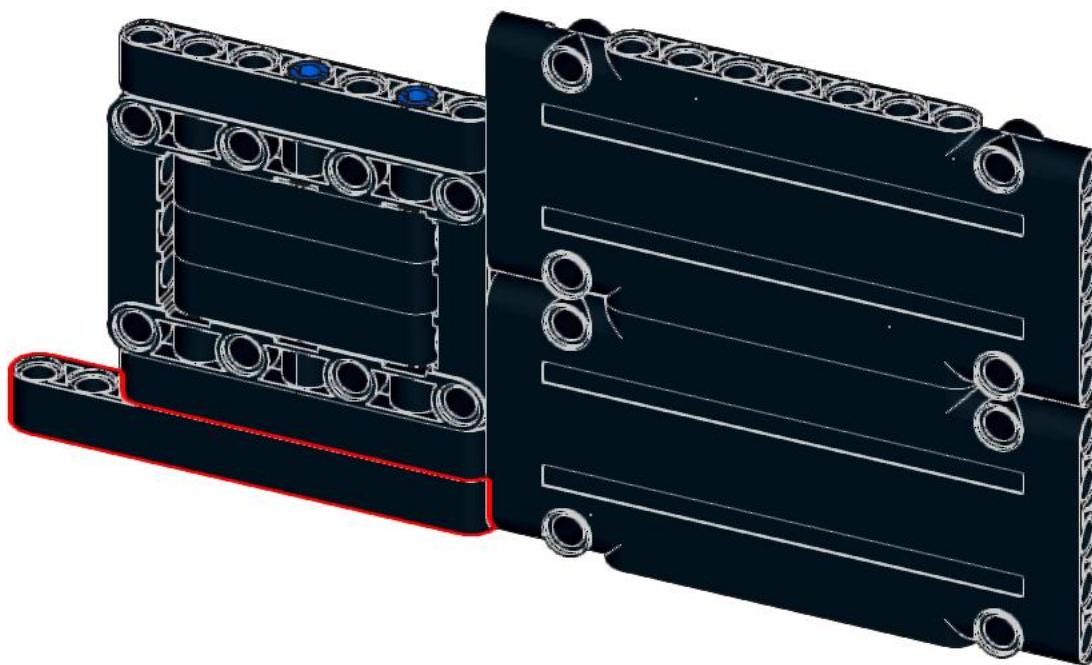
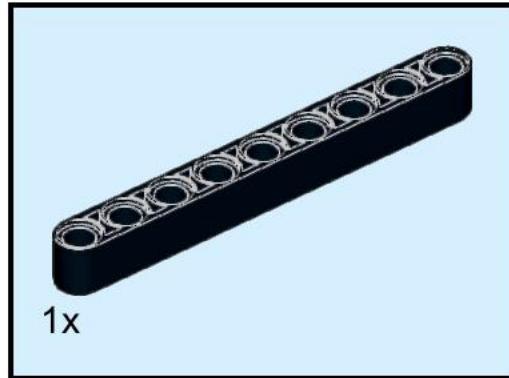
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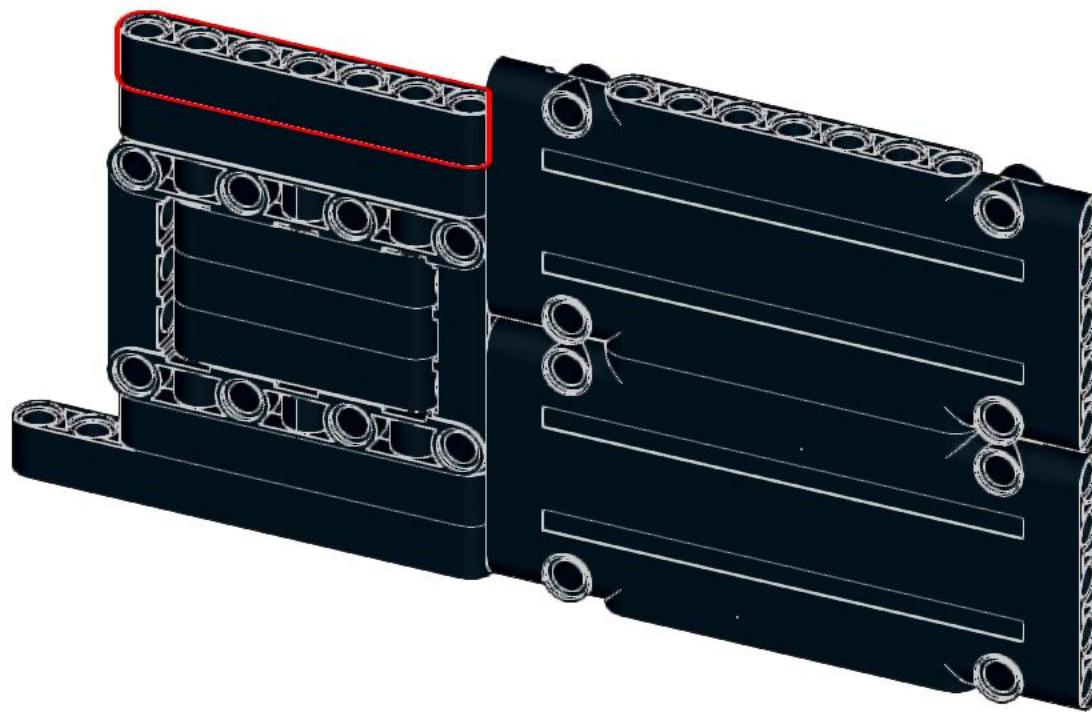
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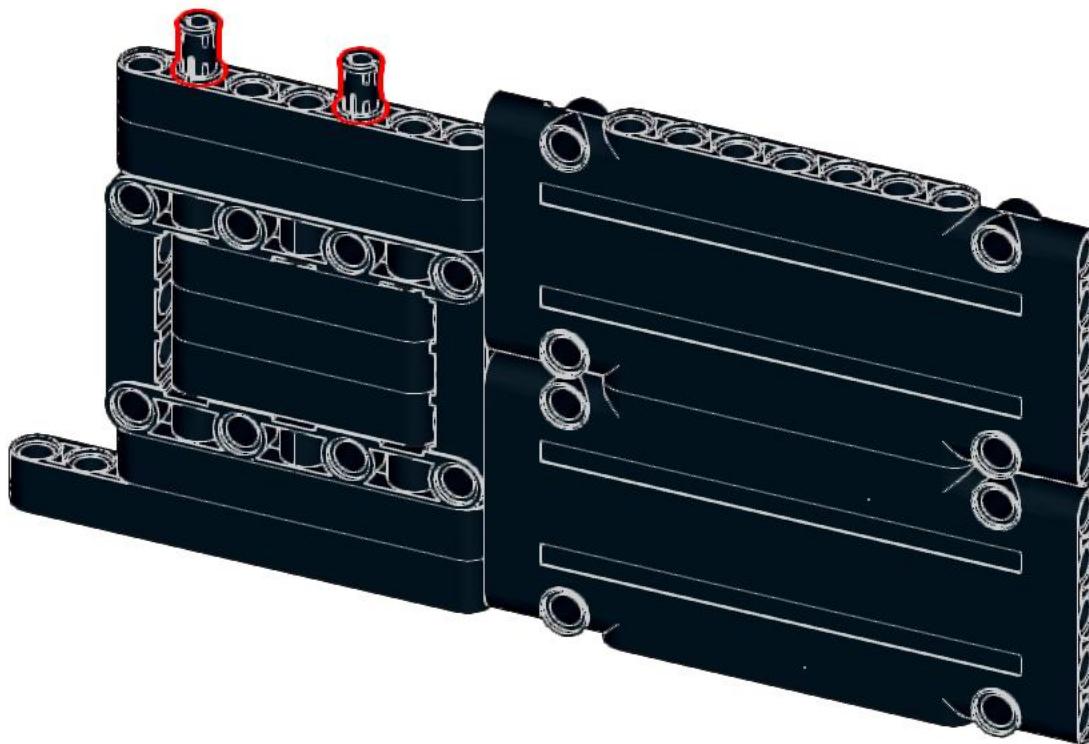
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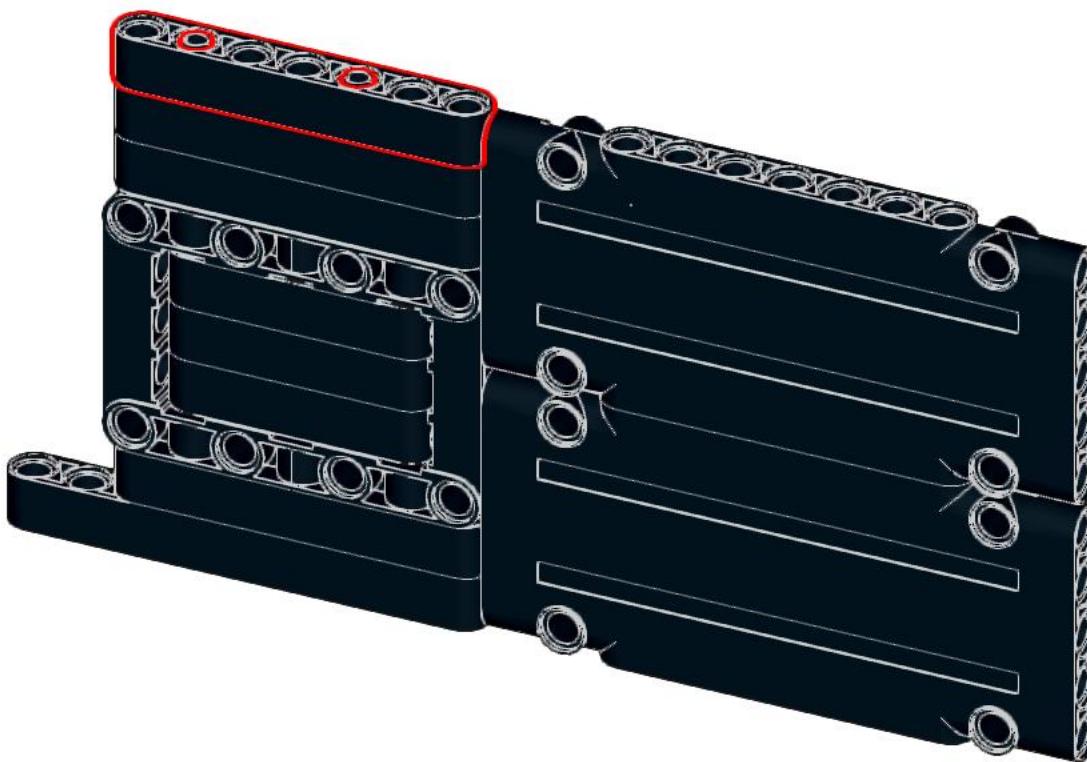
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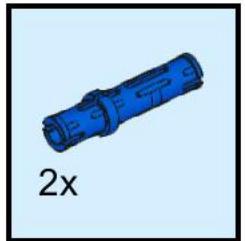
**180**



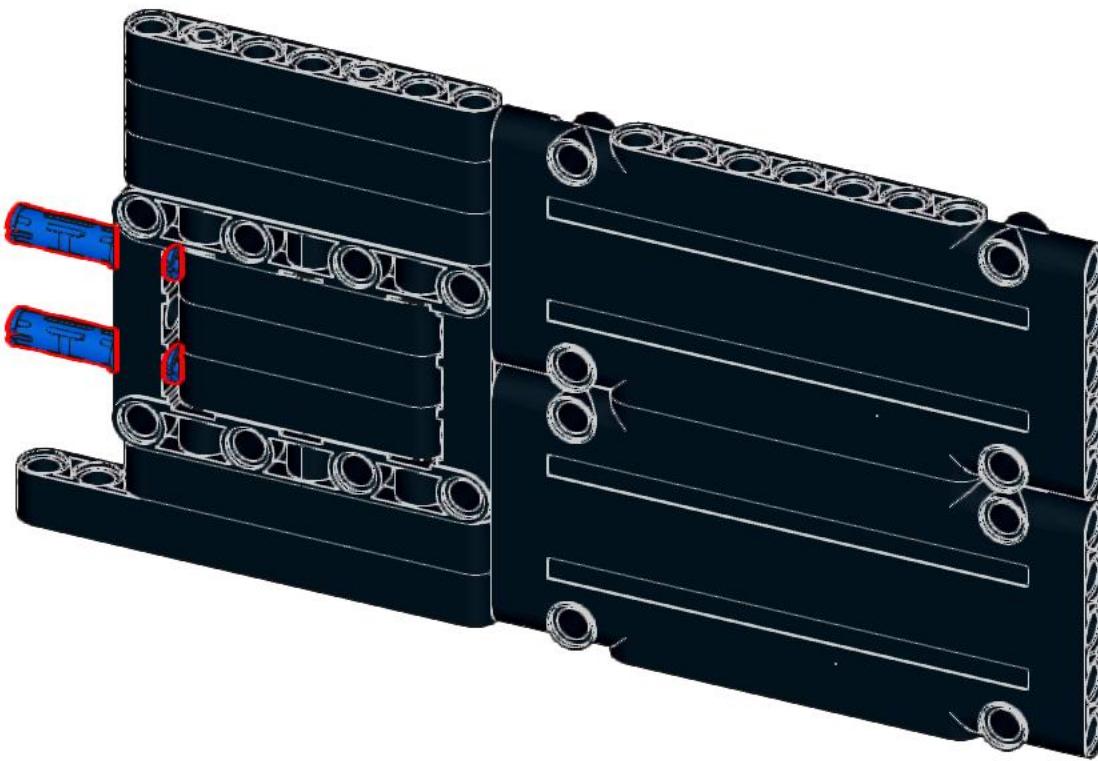
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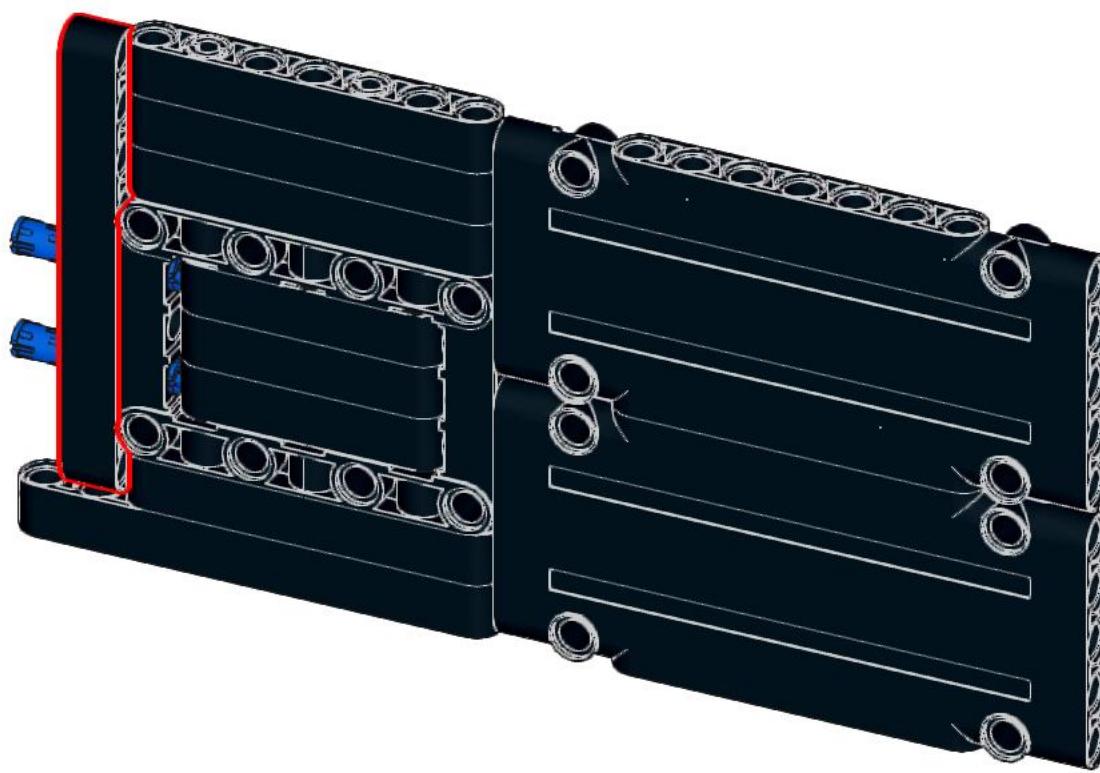
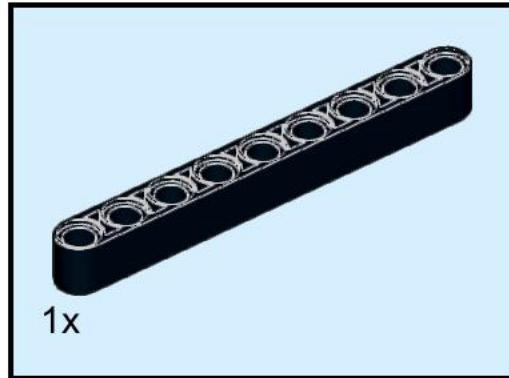
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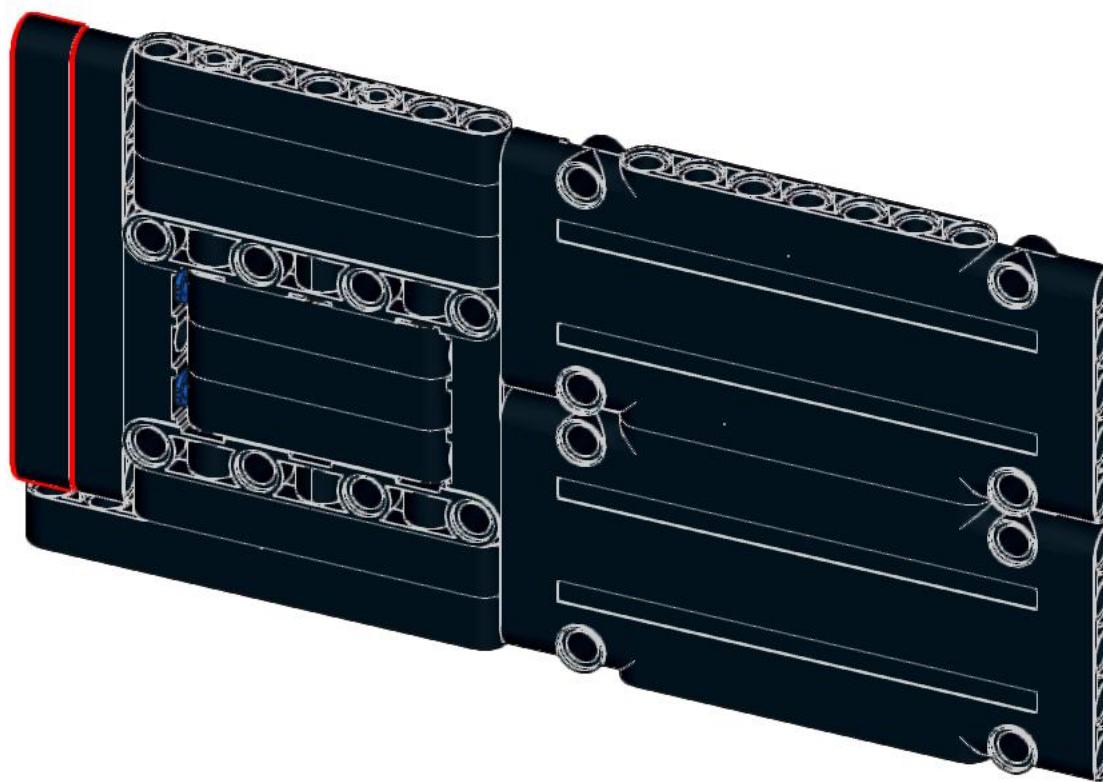
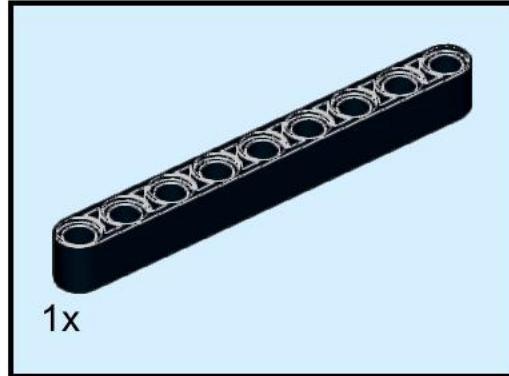
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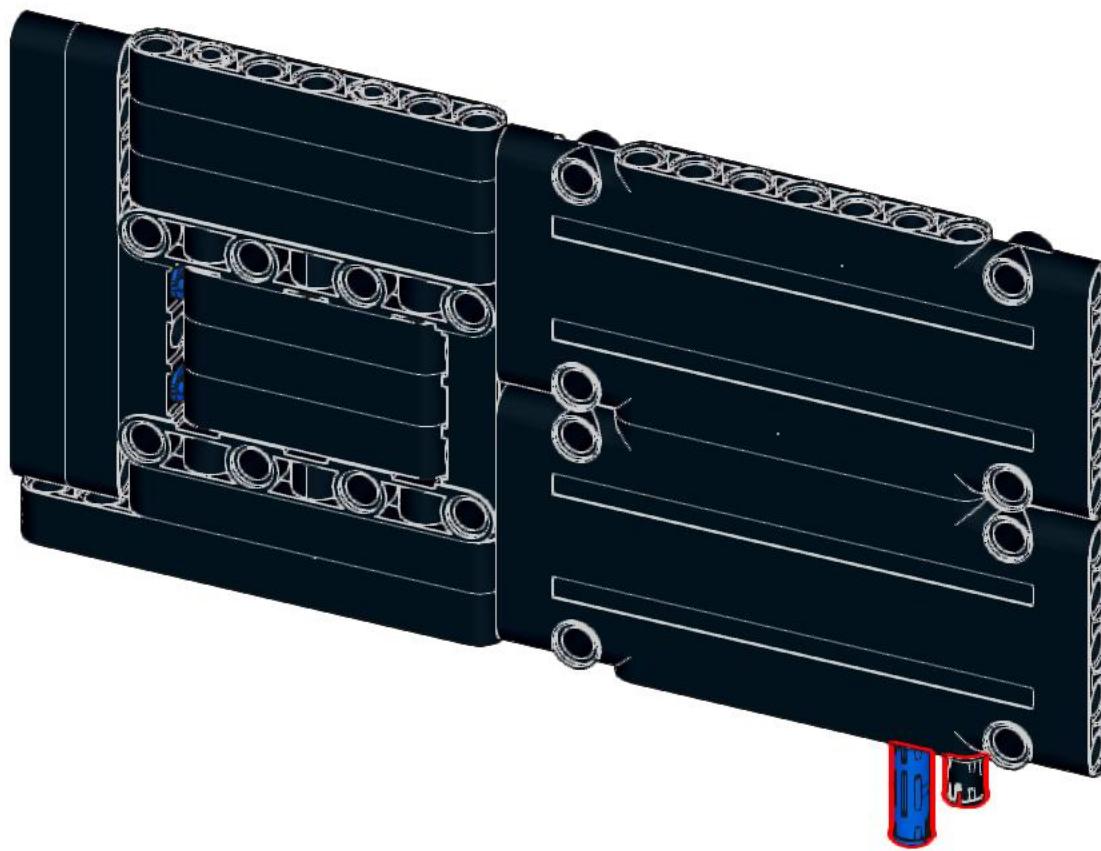
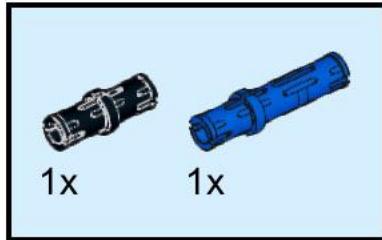
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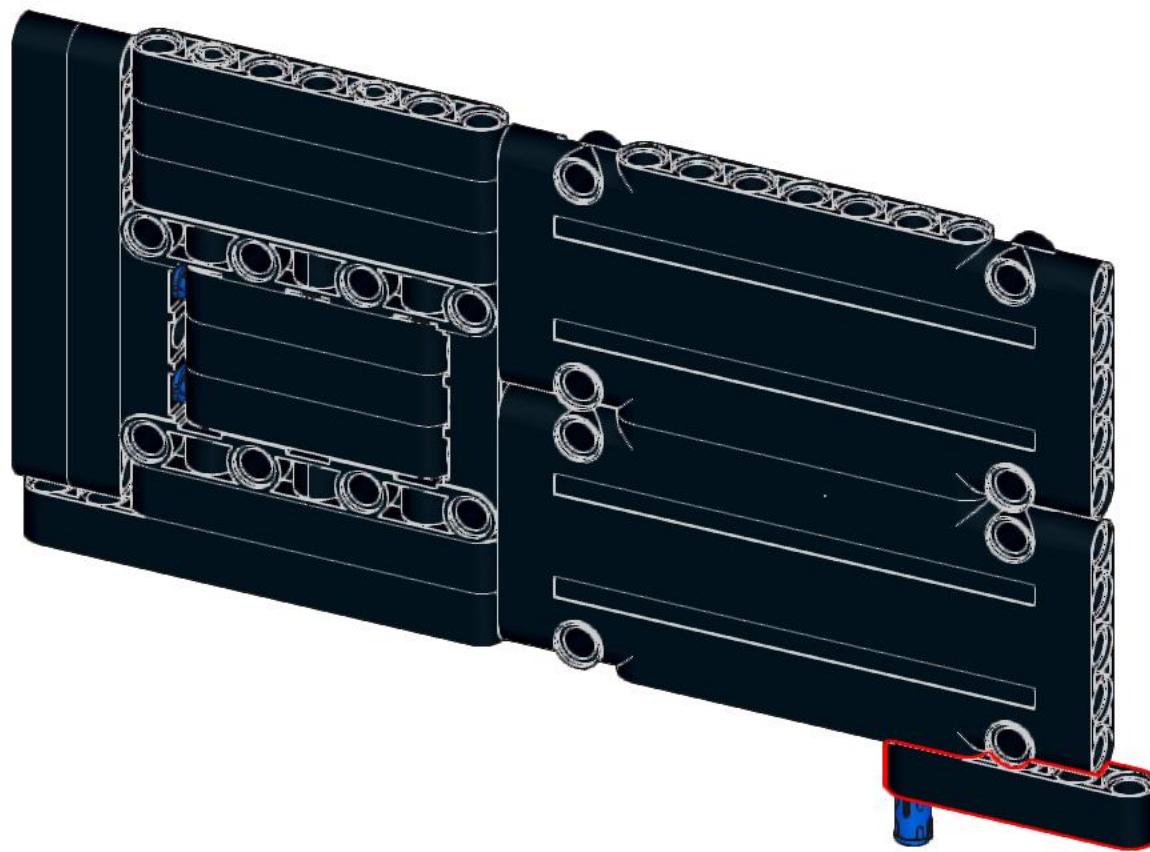
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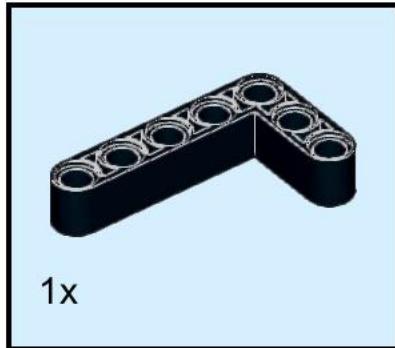
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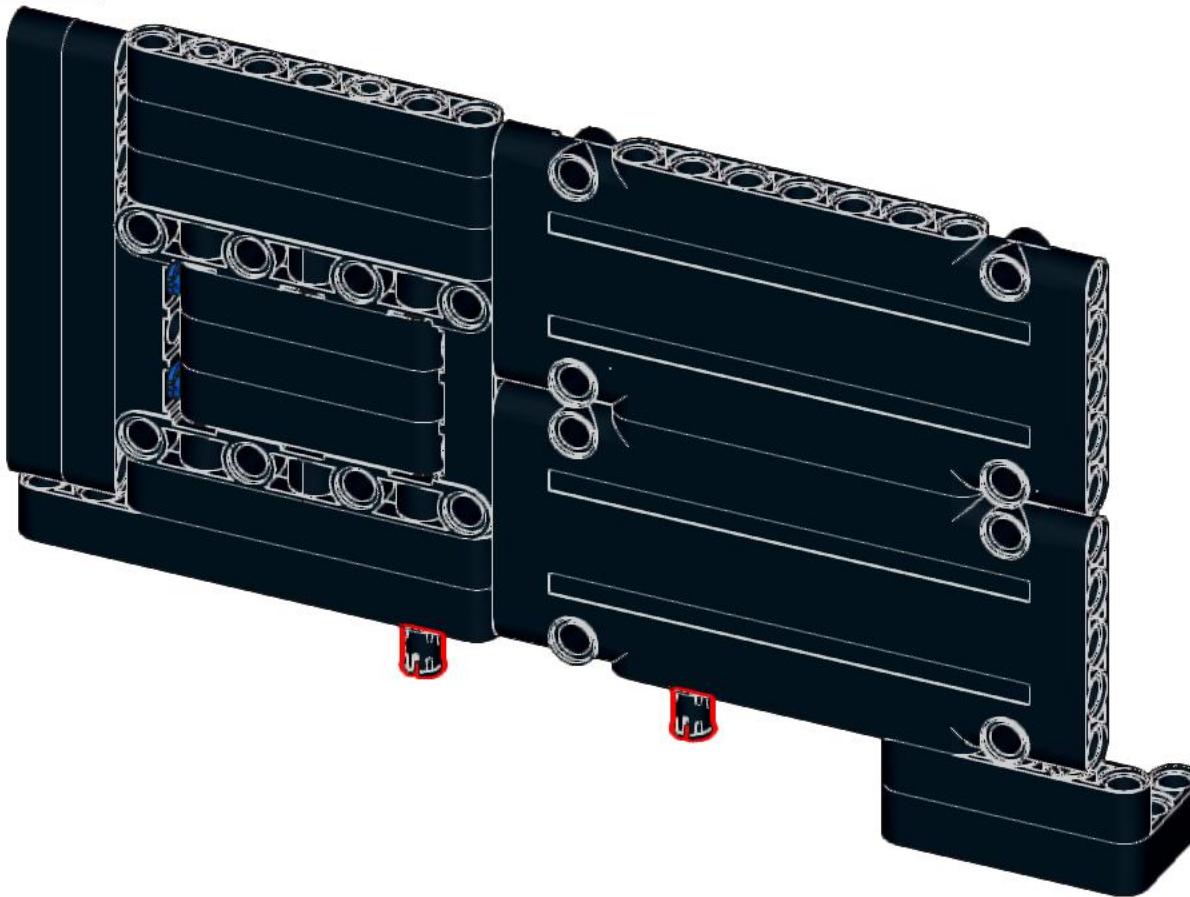
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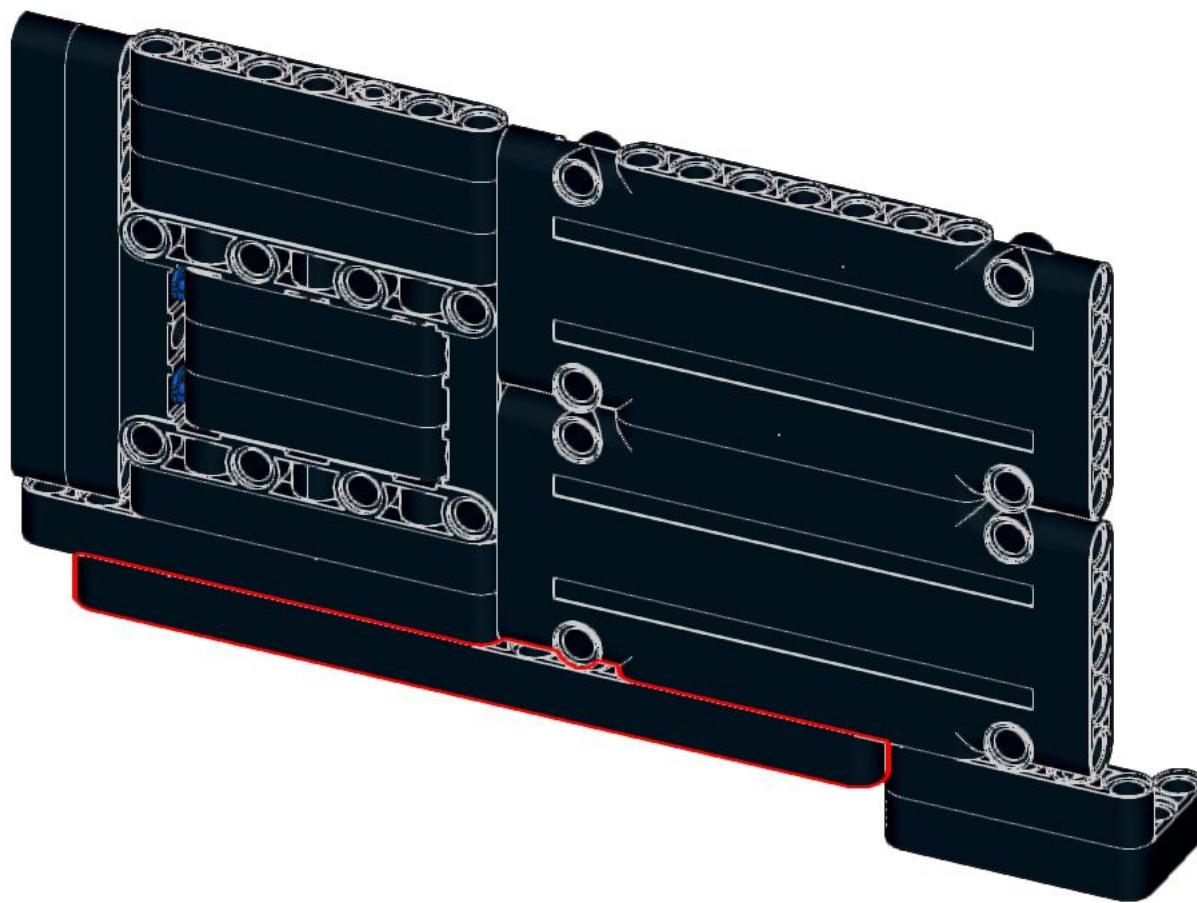
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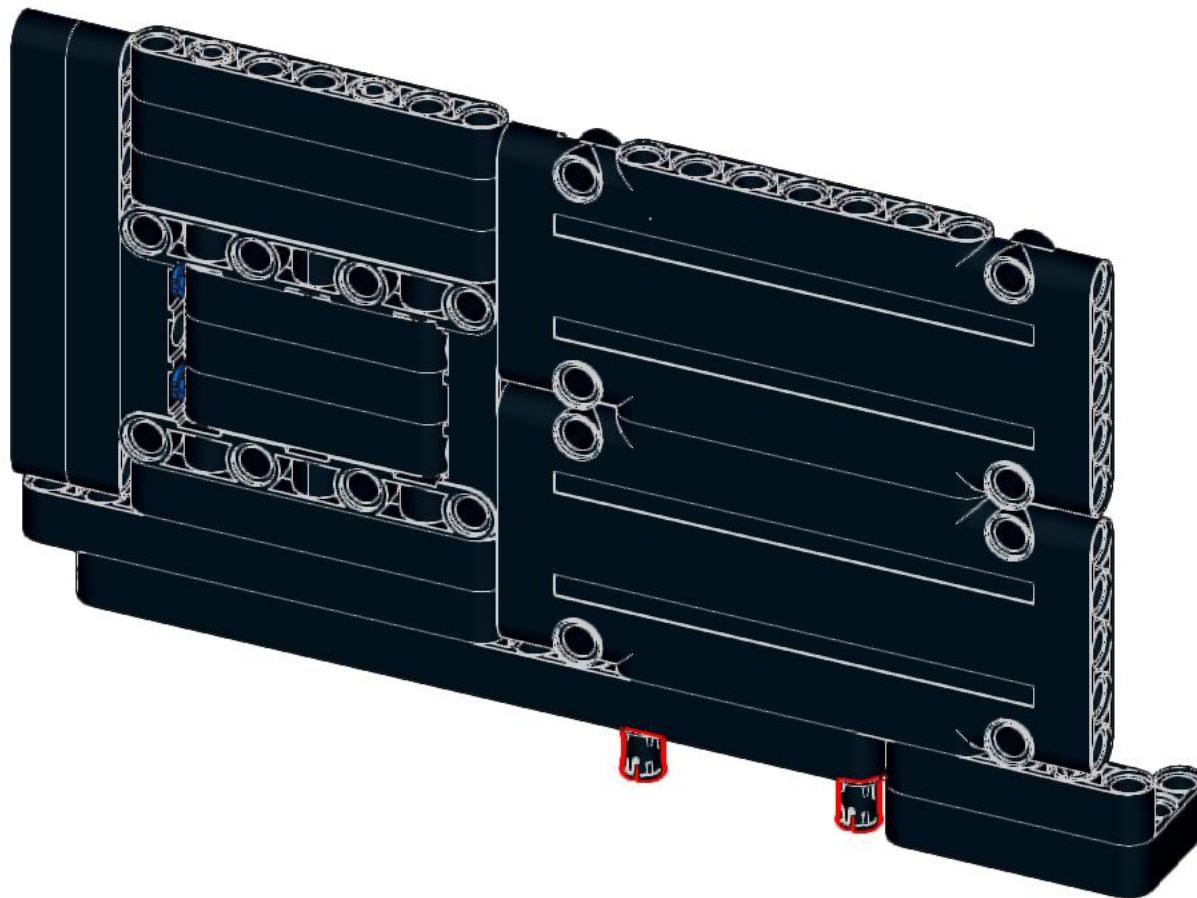
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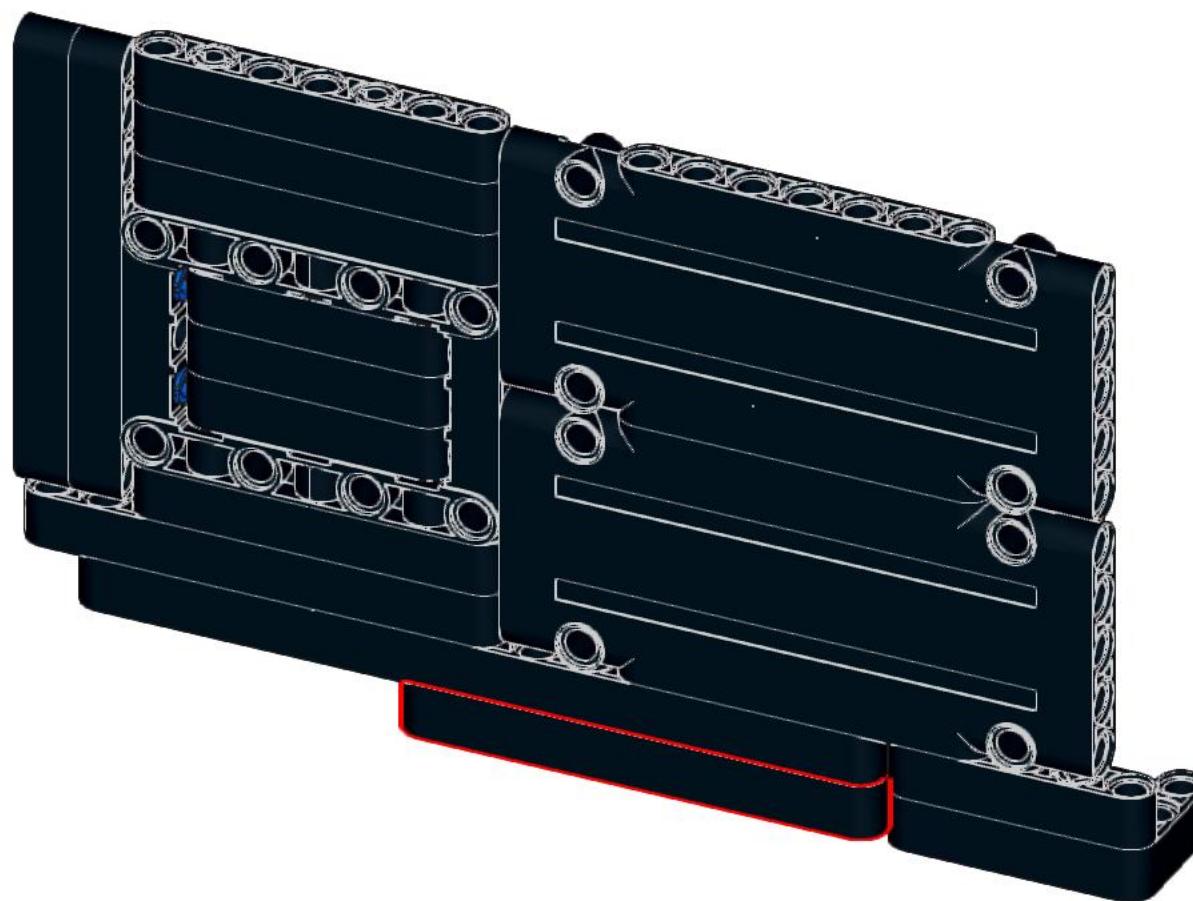
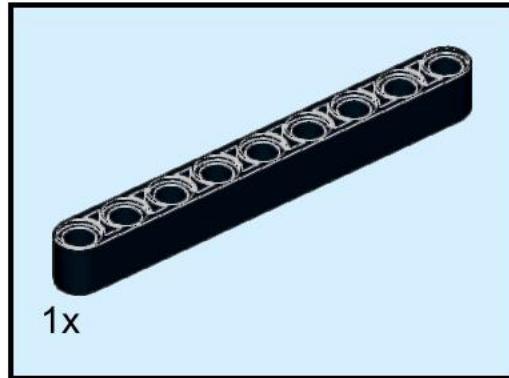
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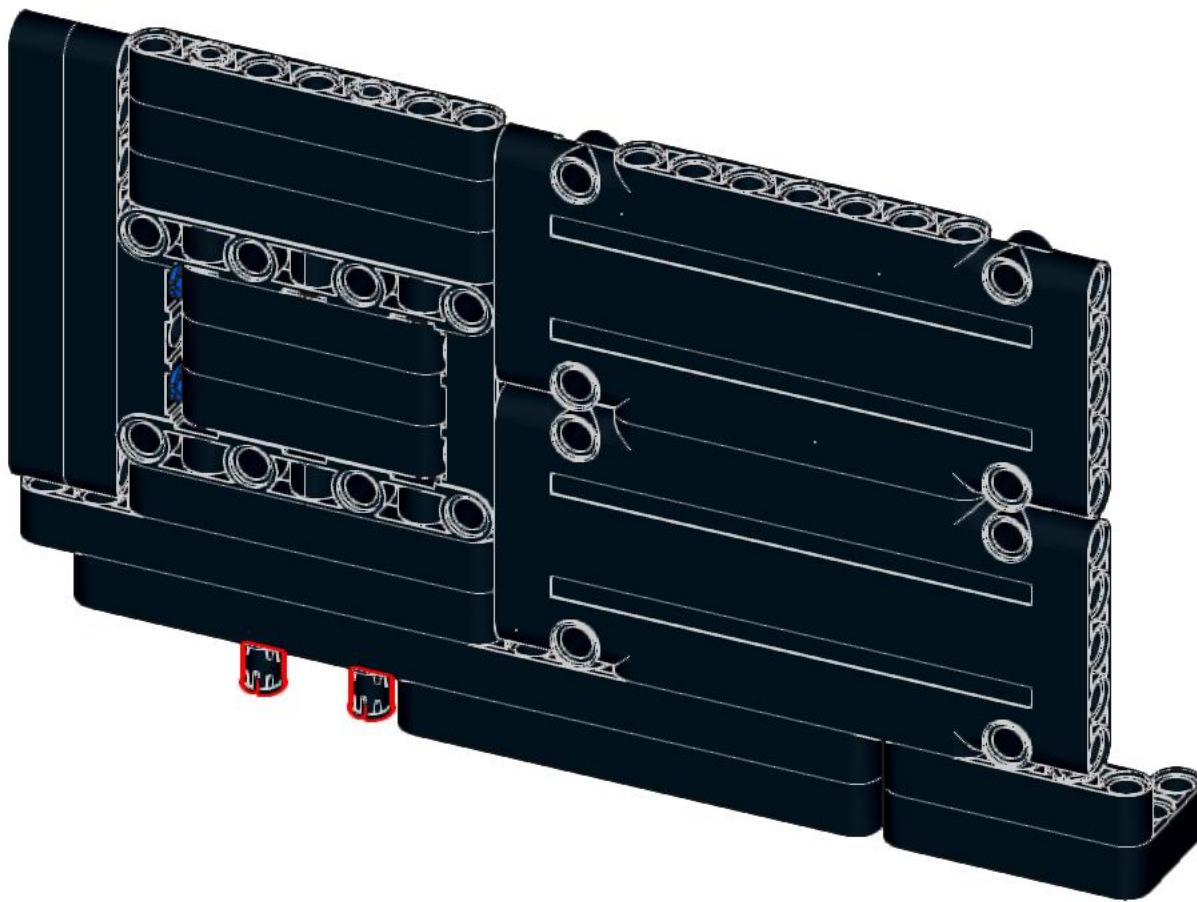
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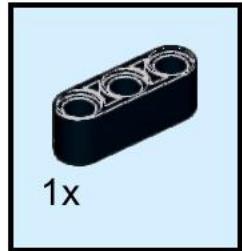
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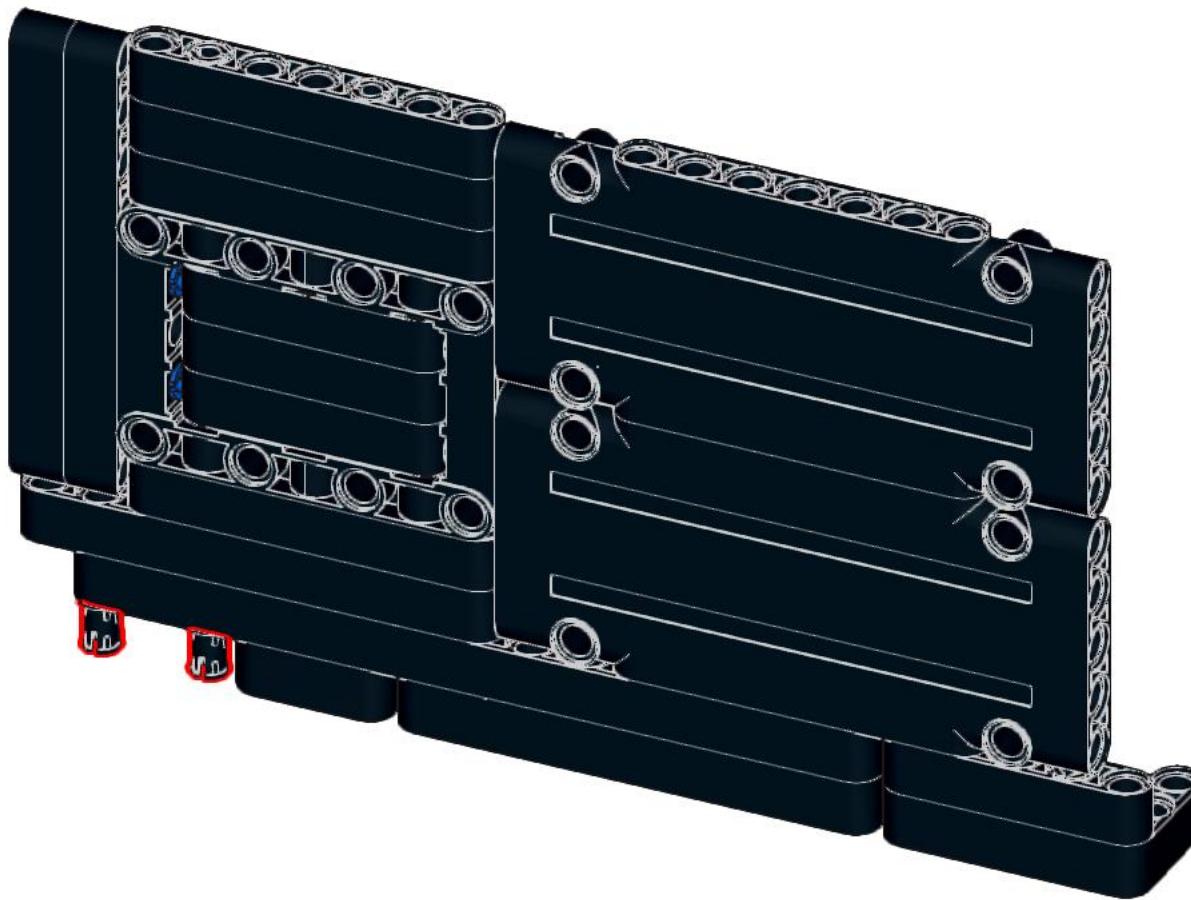
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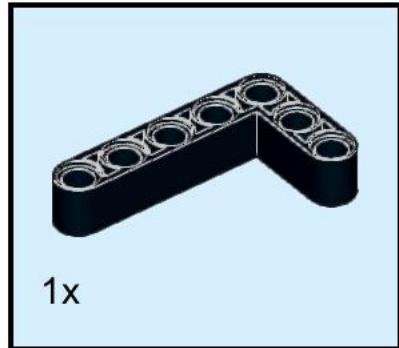
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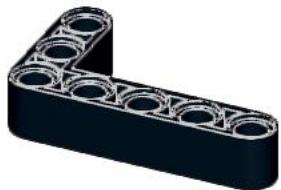
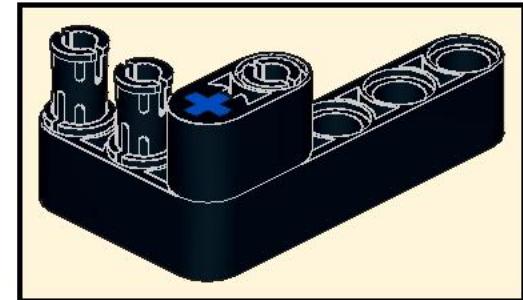
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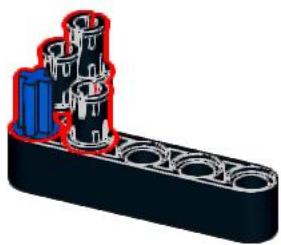
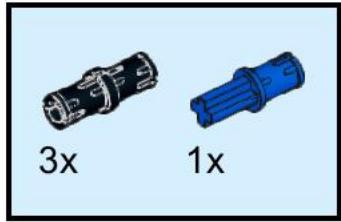
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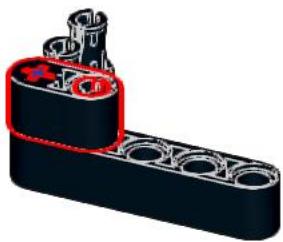
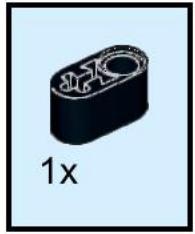
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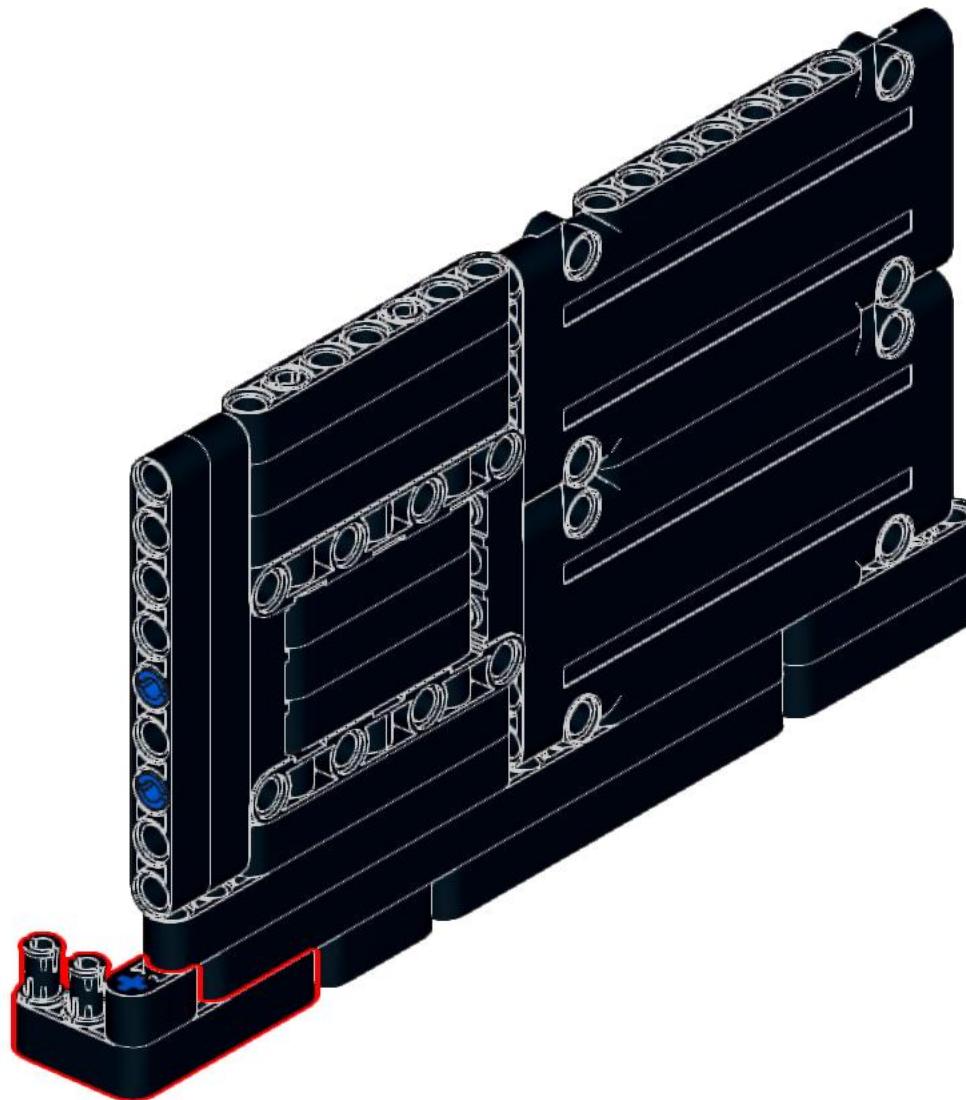
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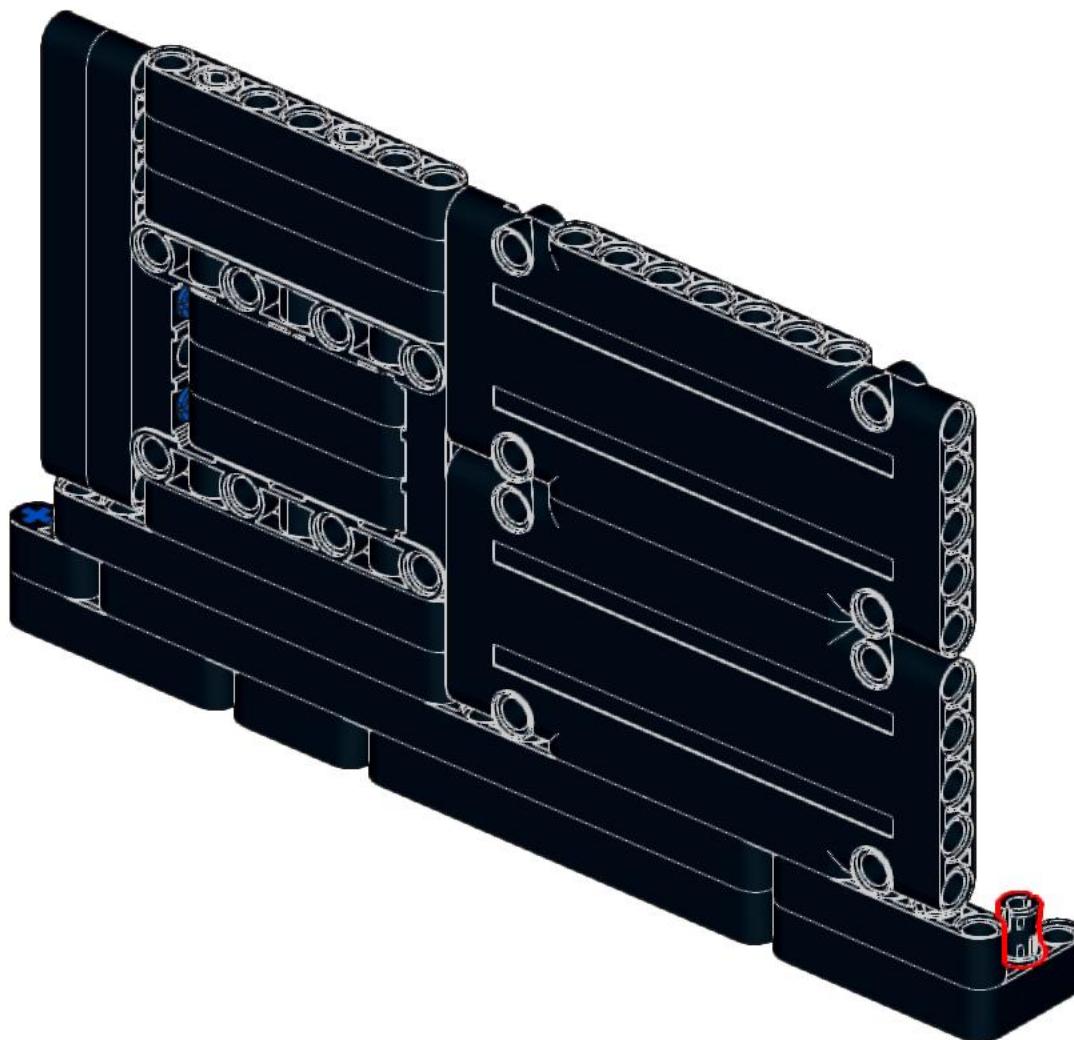
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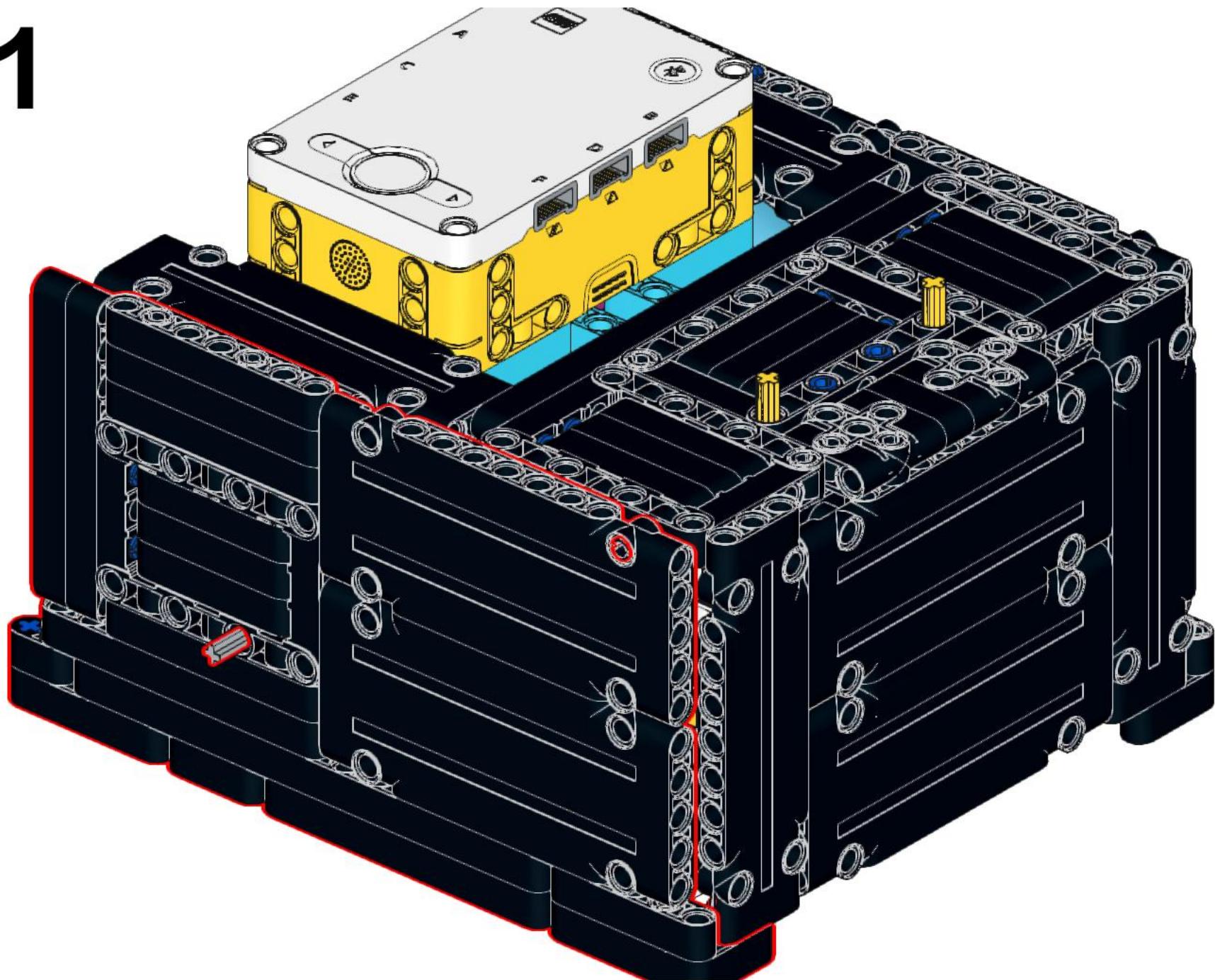
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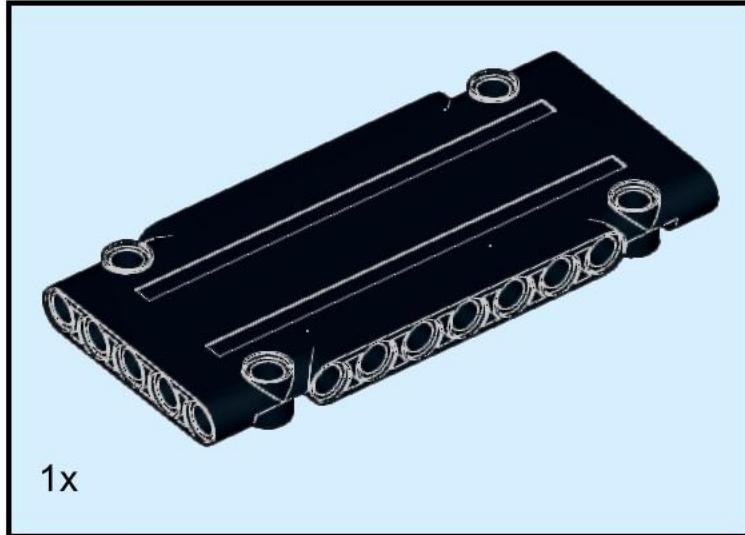
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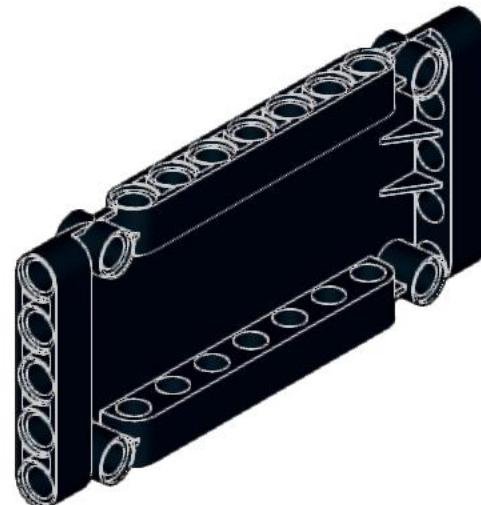
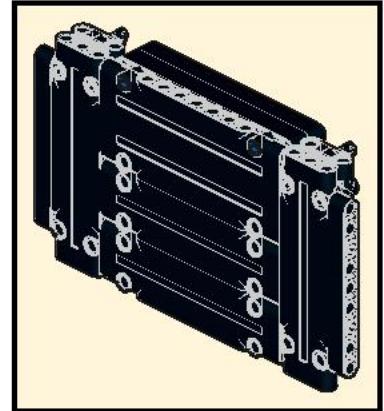
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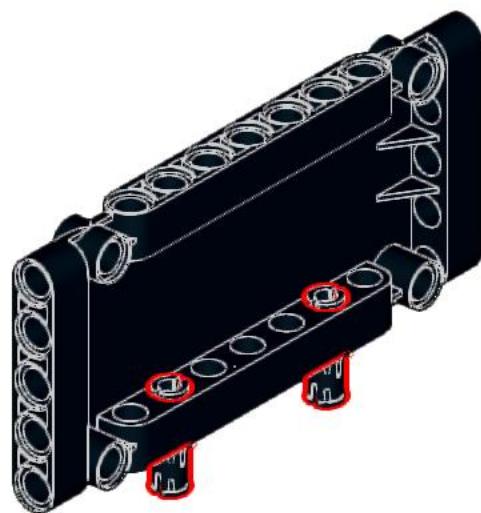
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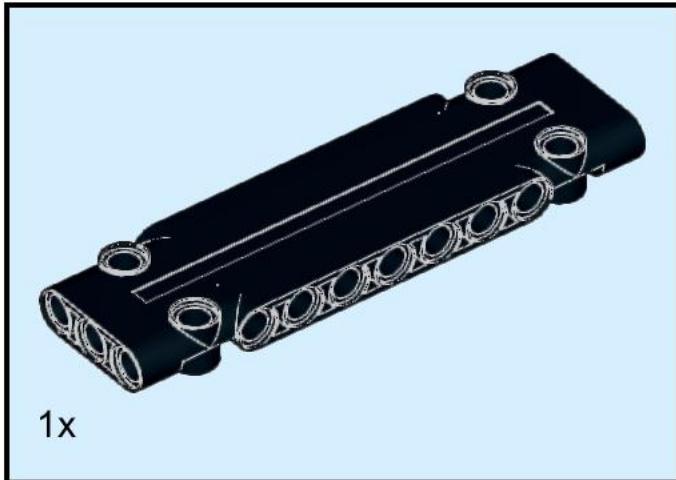
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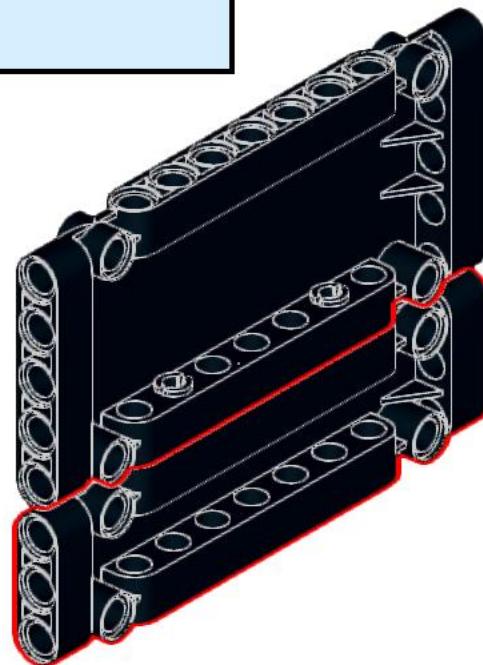
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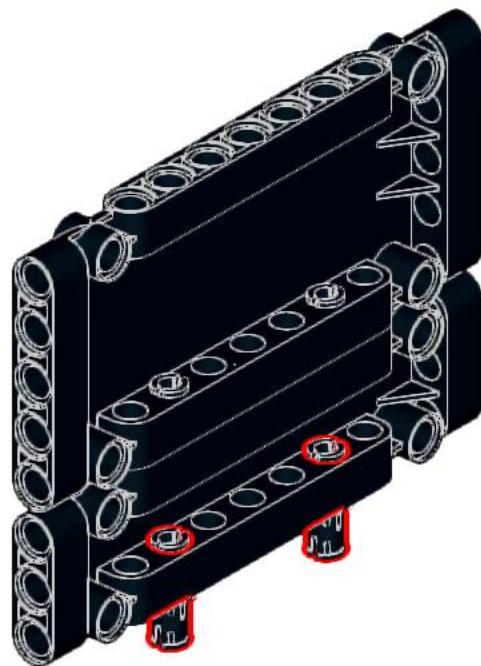
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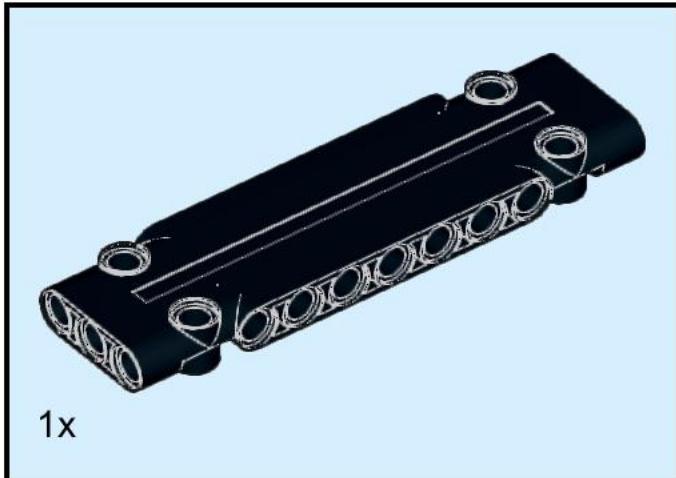
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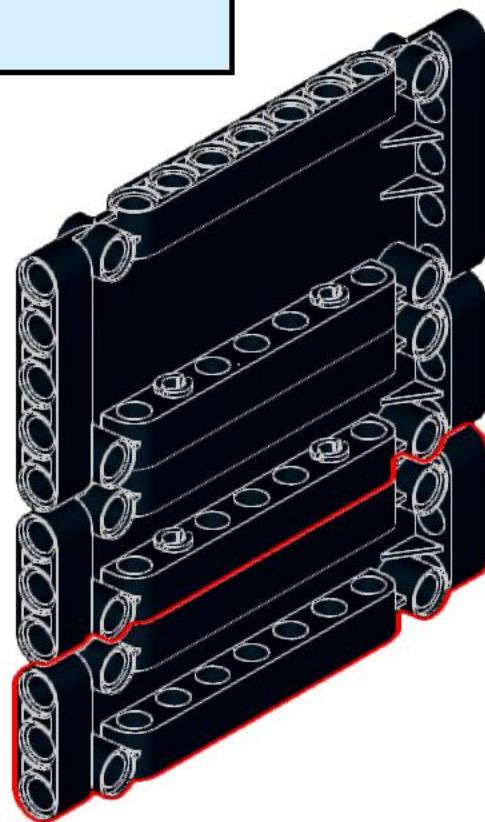
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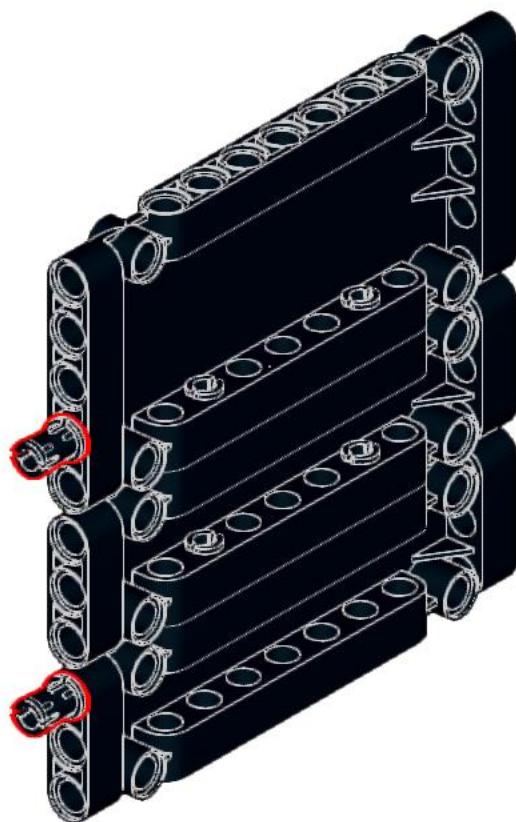
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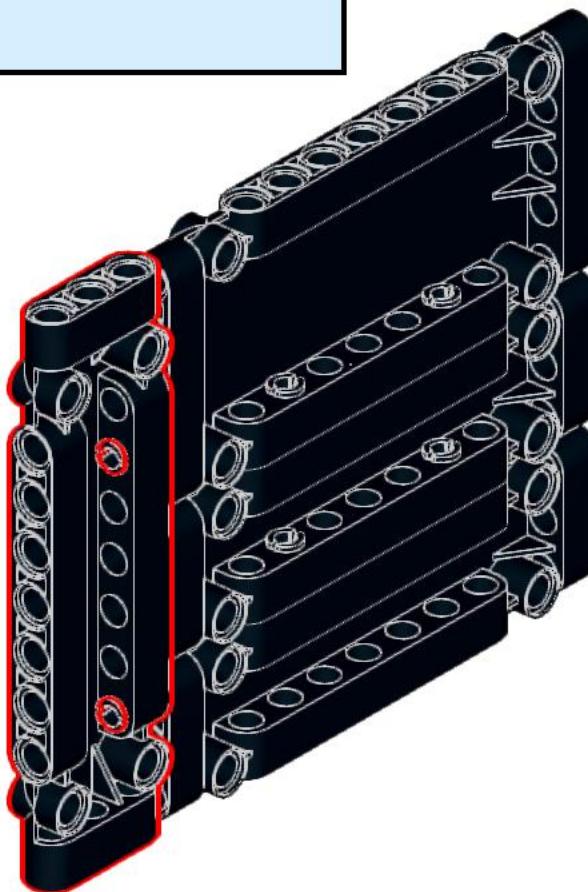
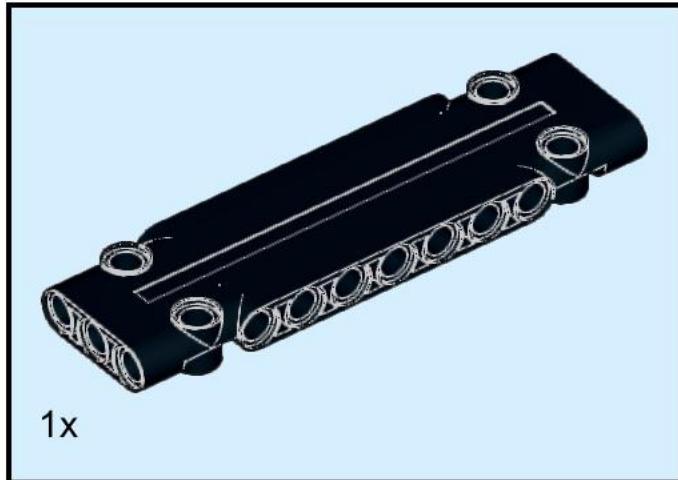
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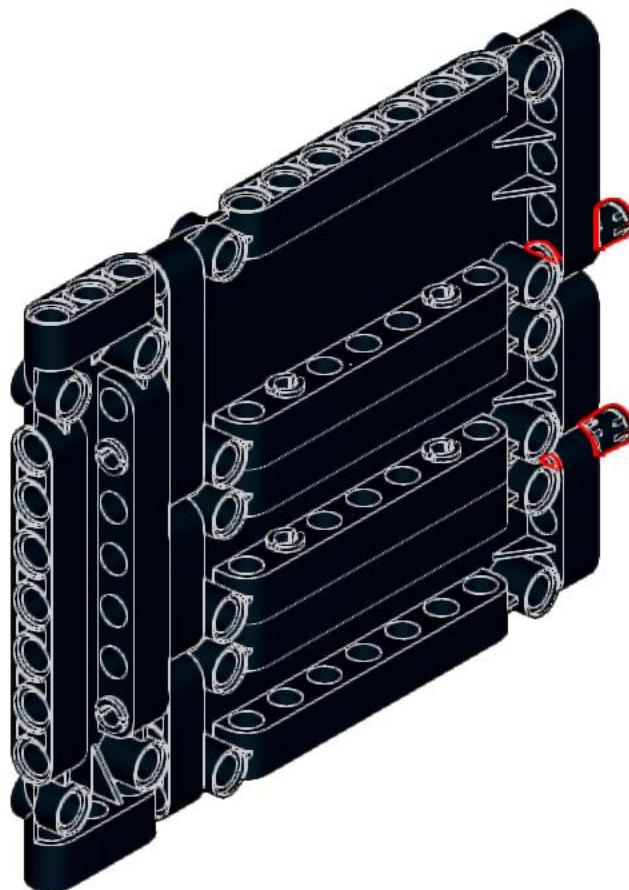
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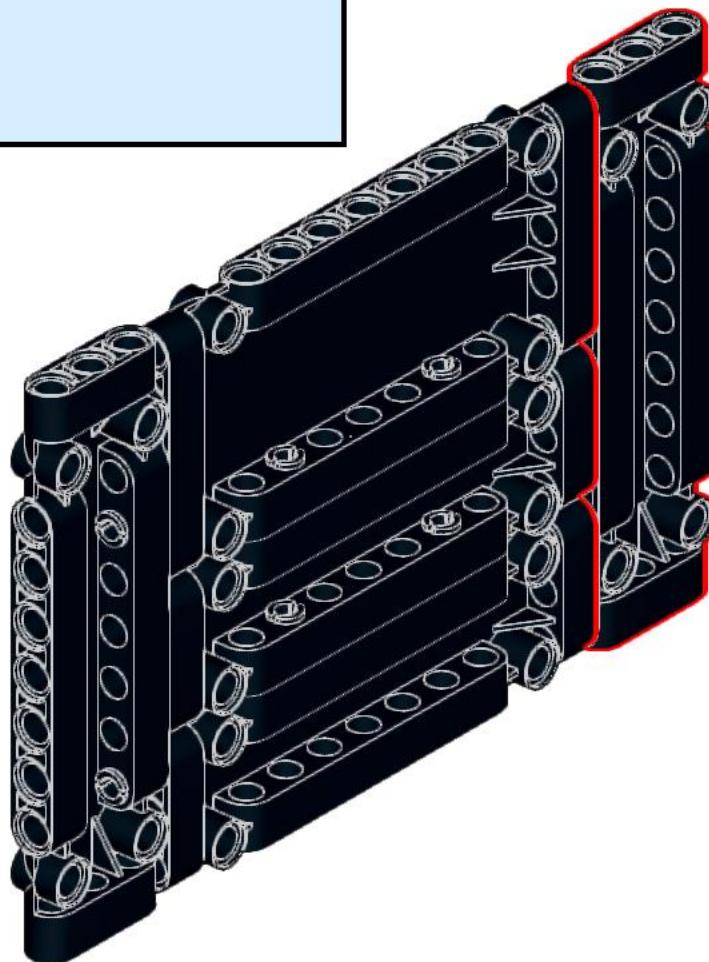
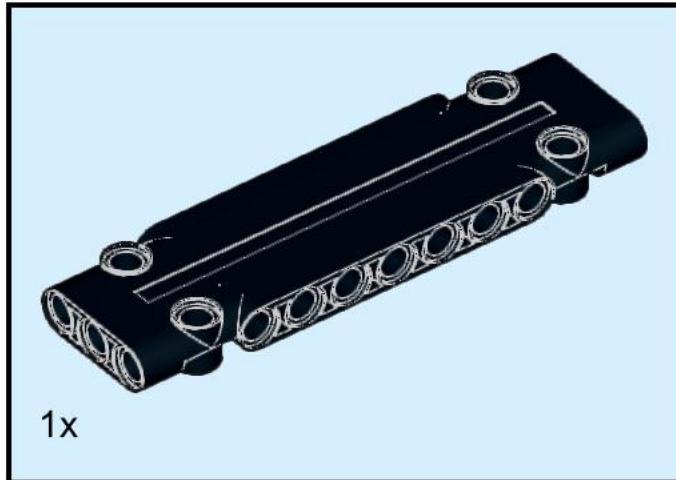
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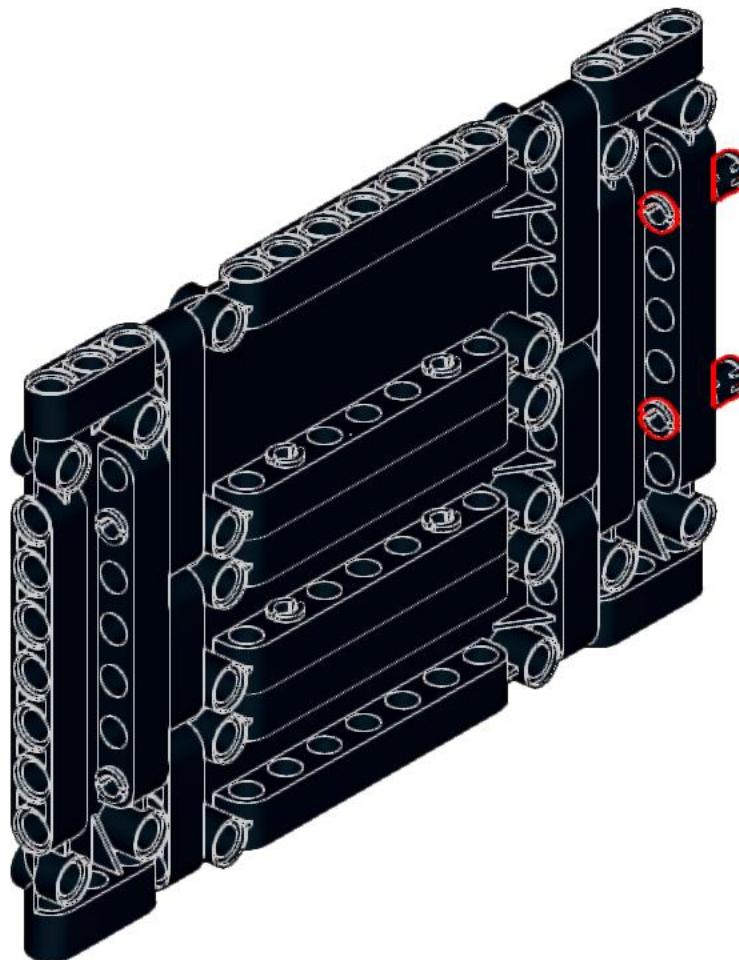
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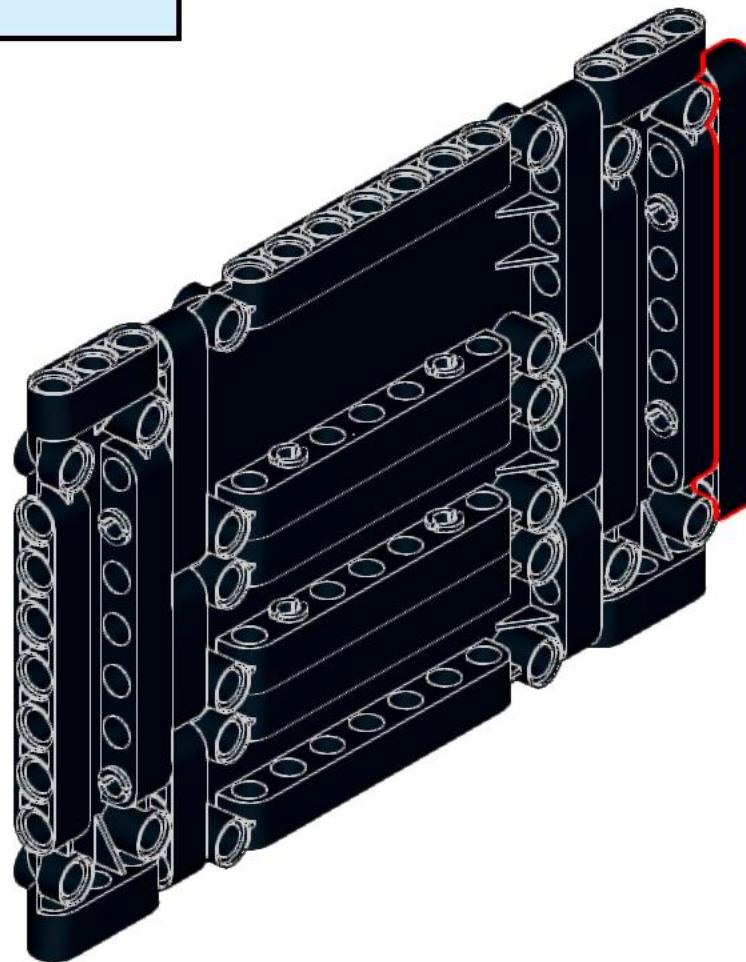
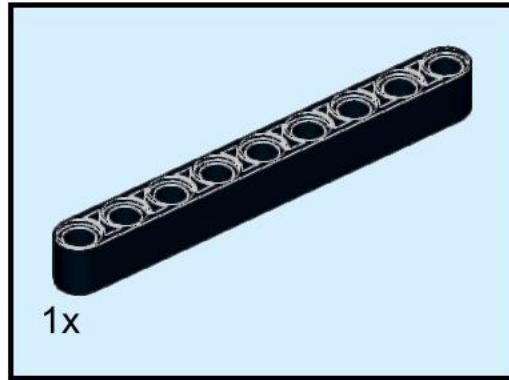
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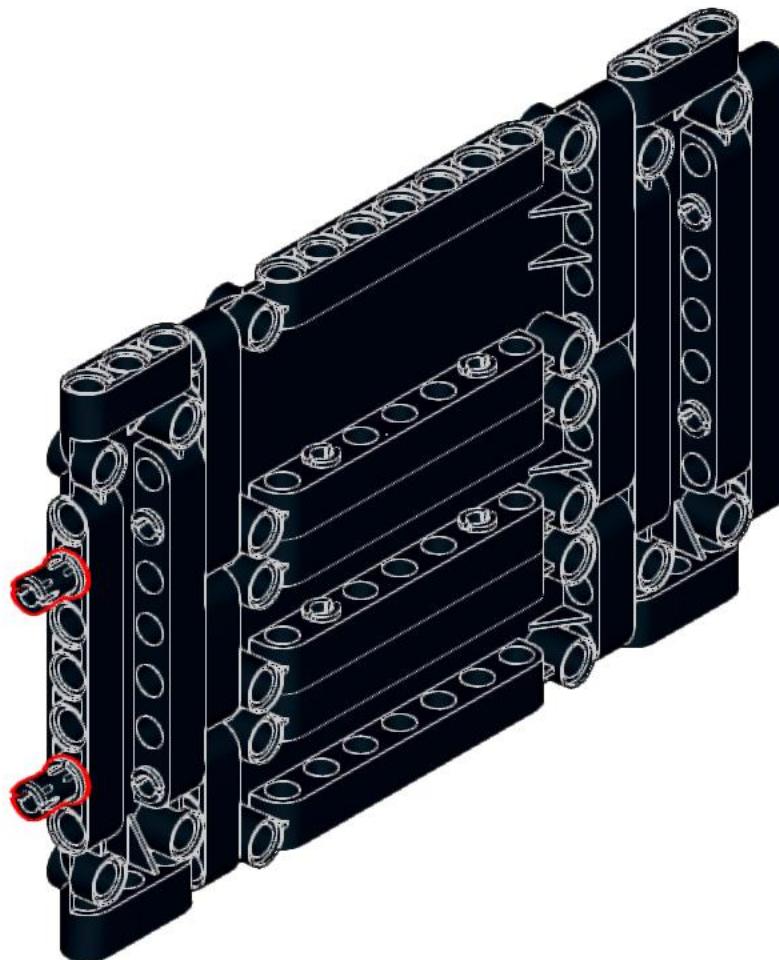
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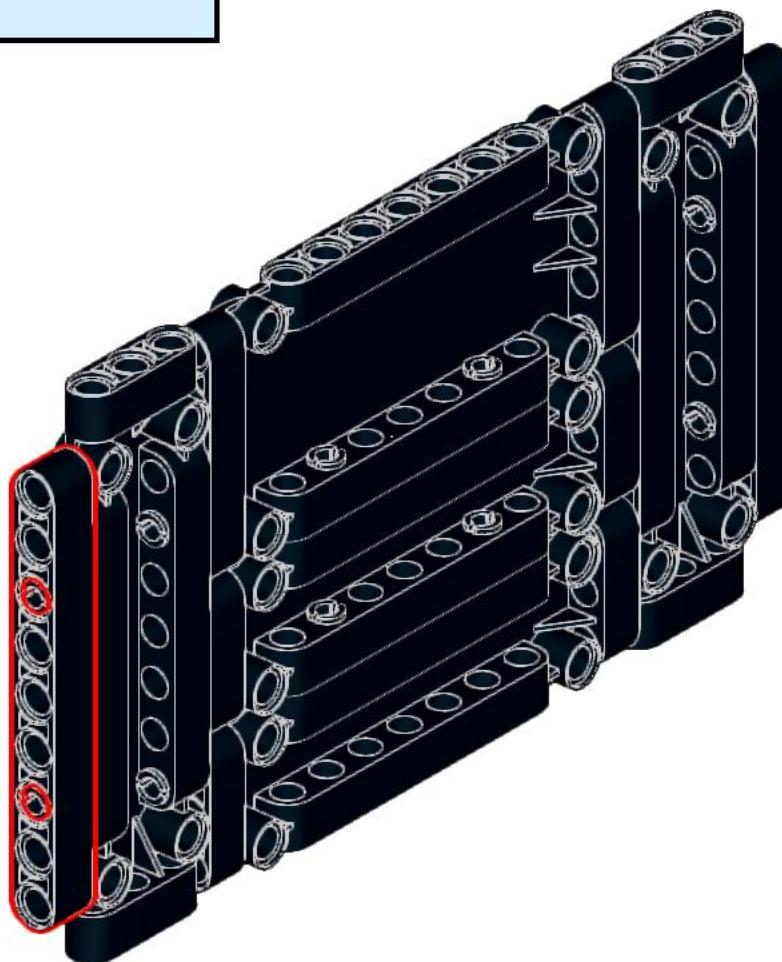
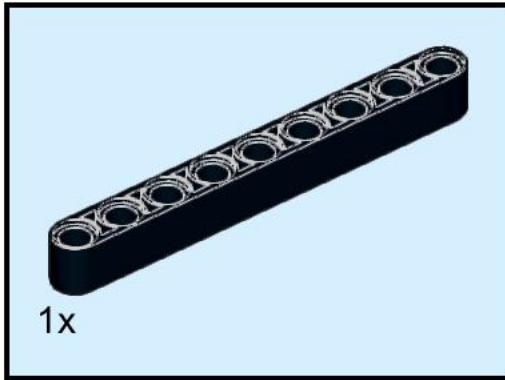
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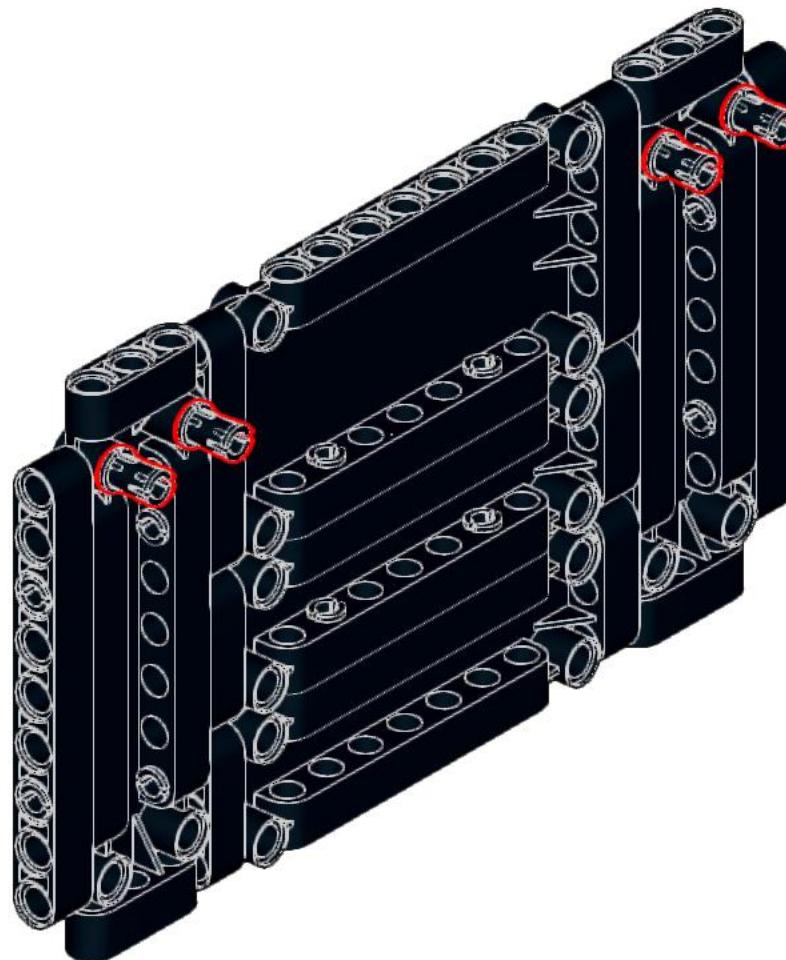
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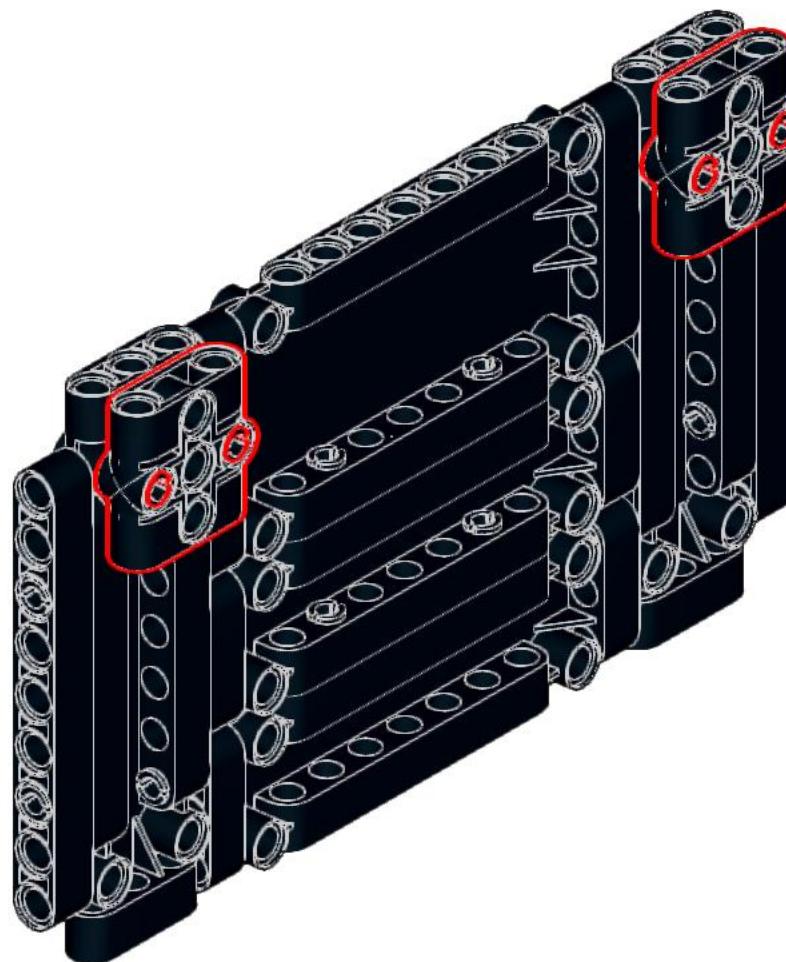
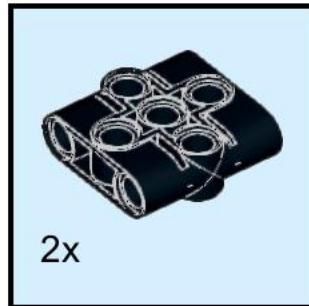
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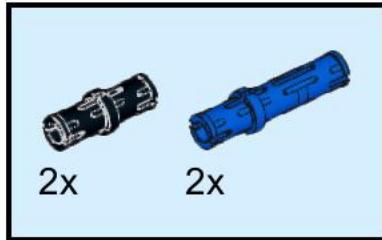
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**216**

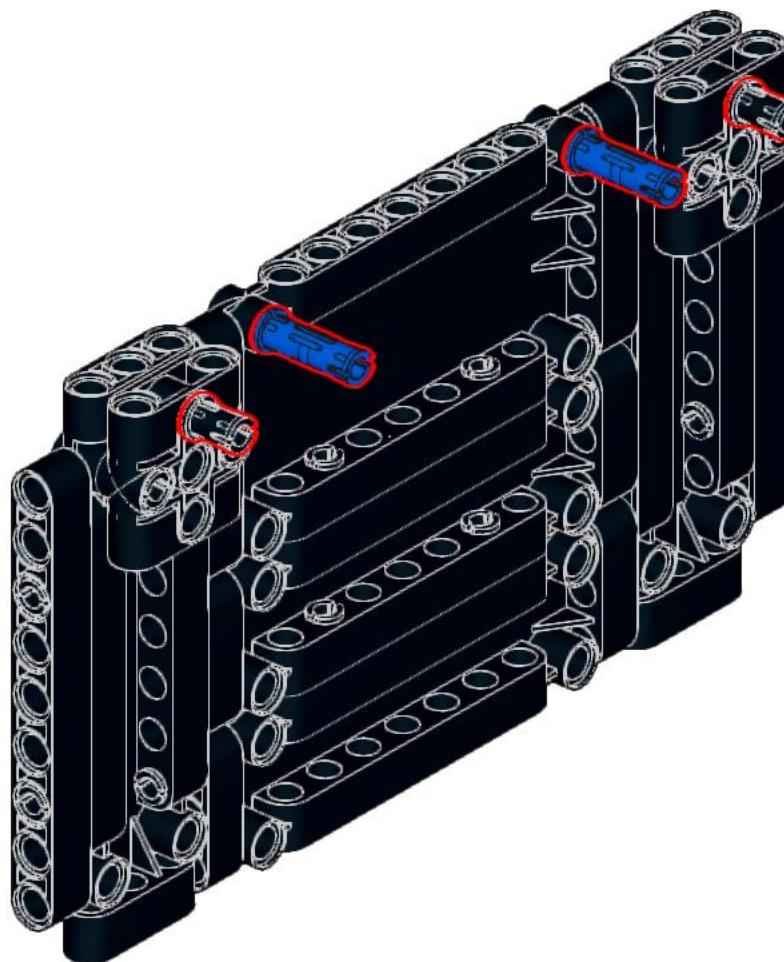


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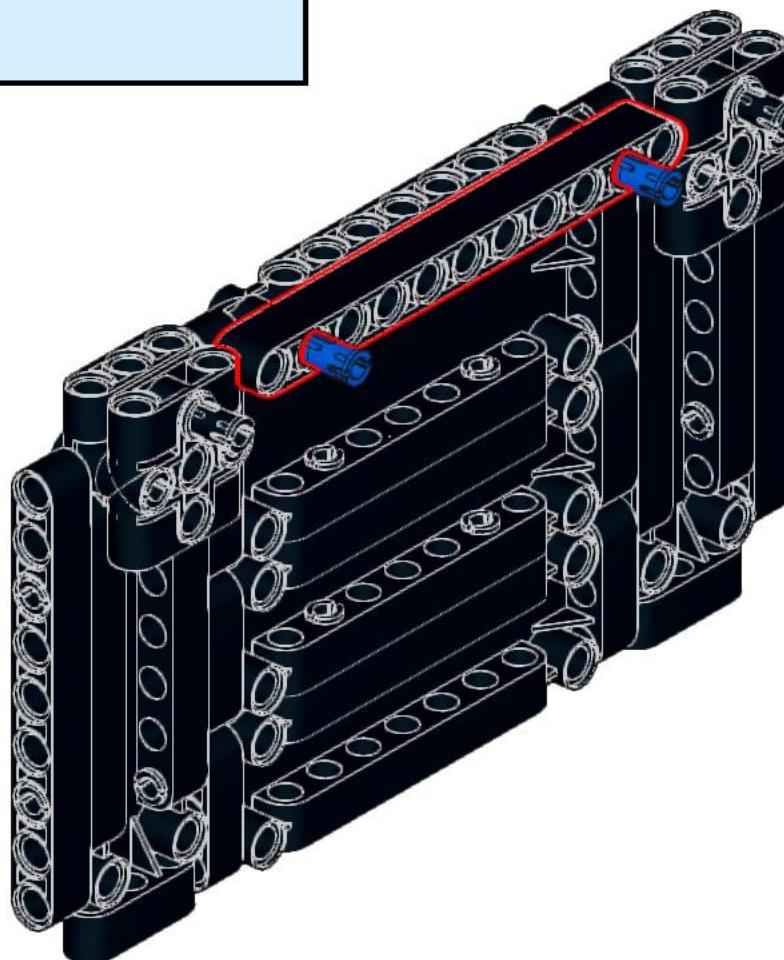
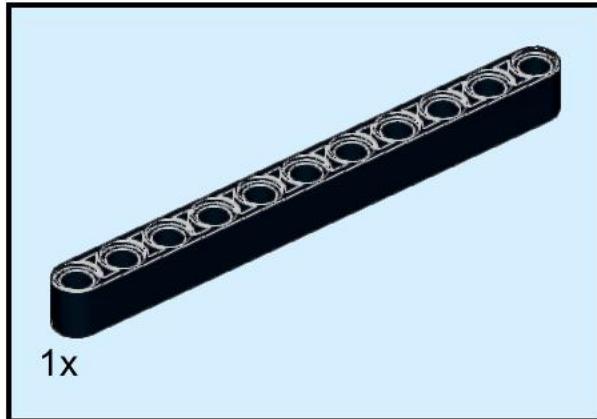


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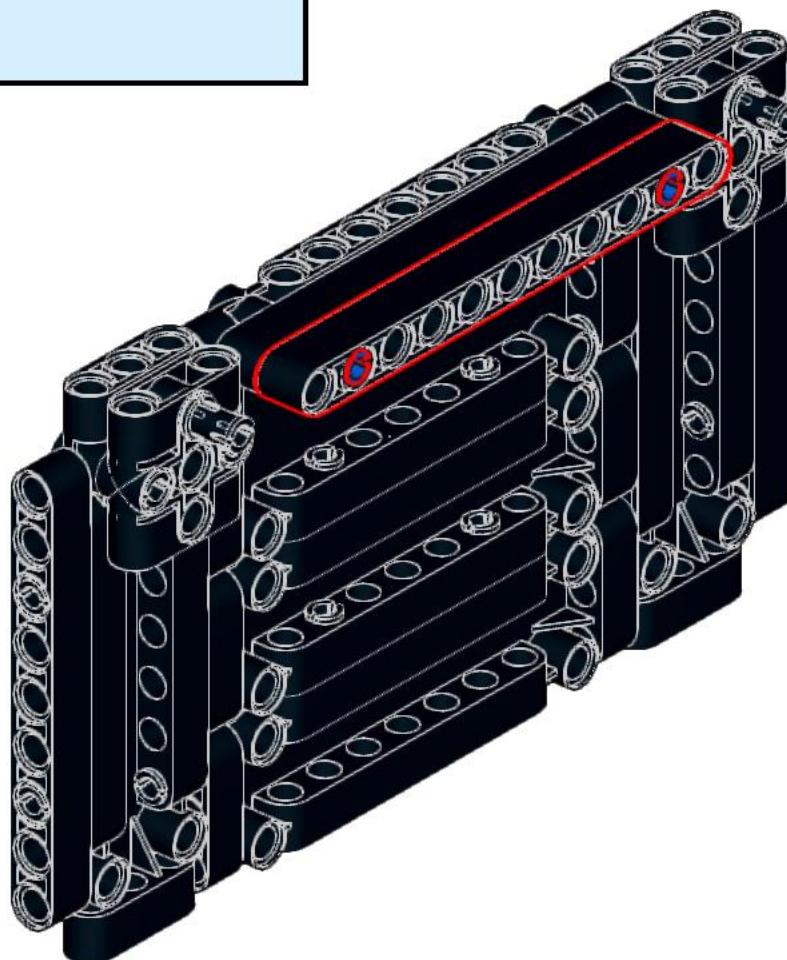
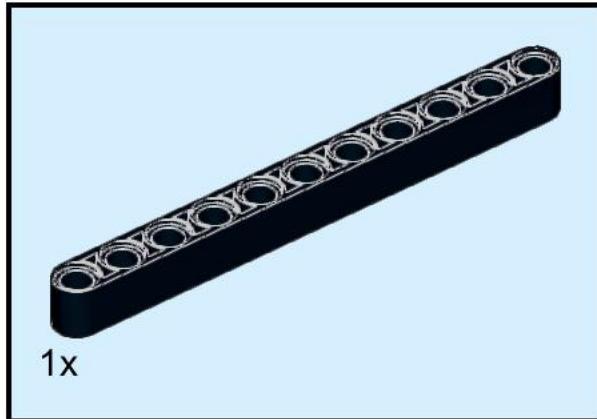
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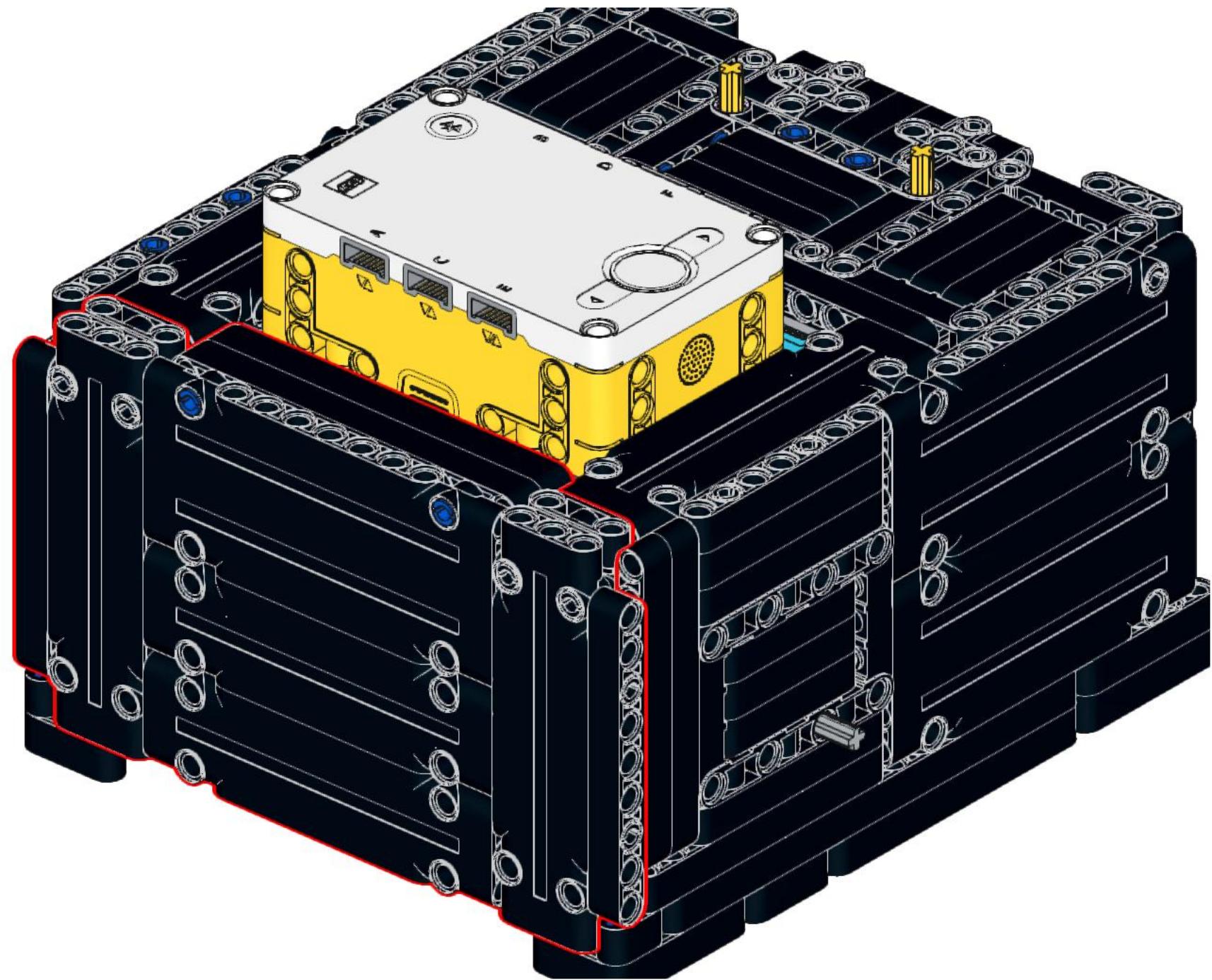
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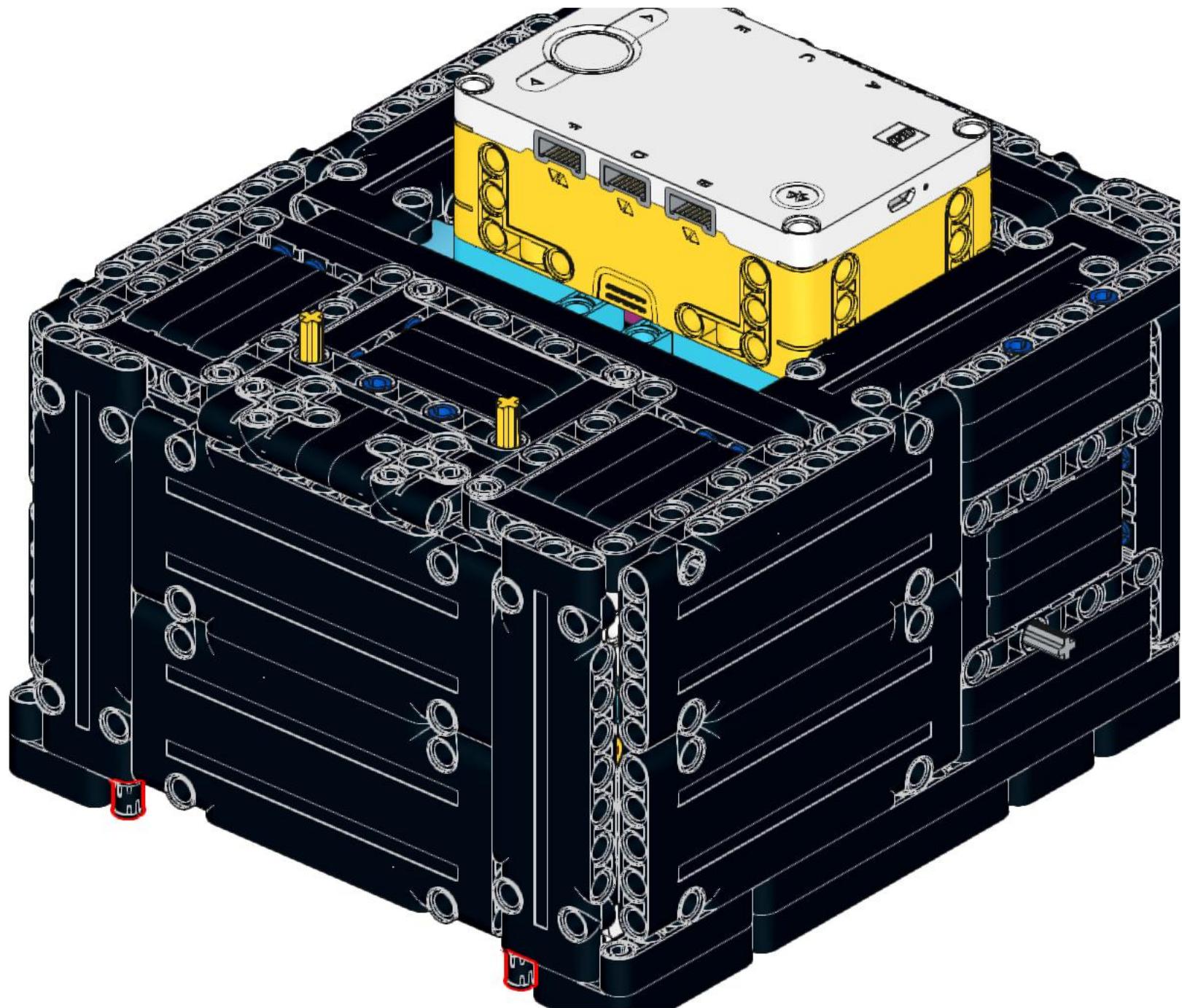
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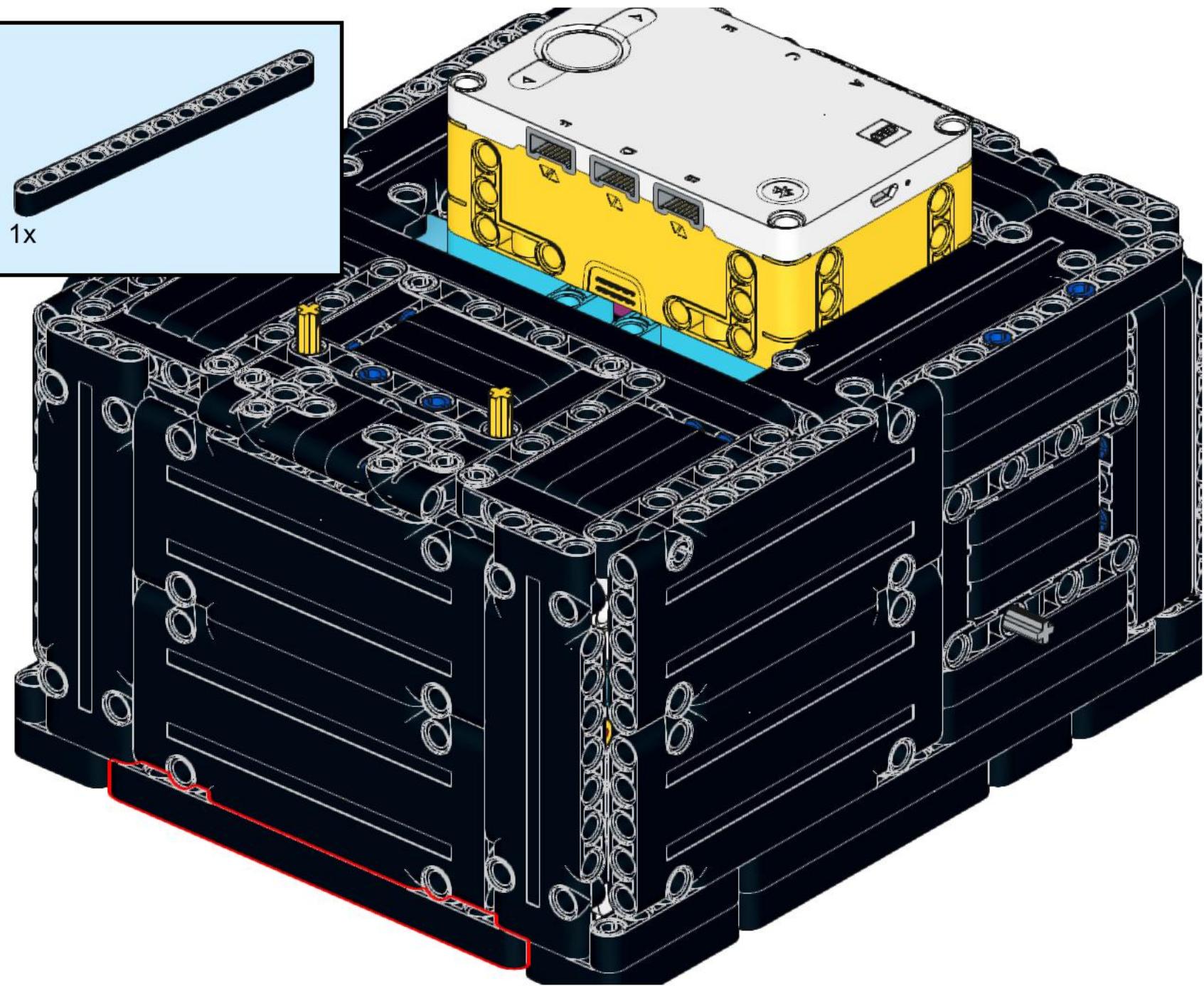
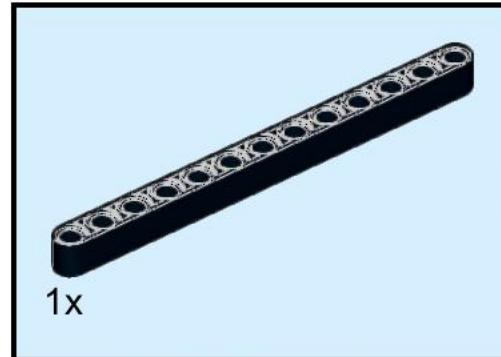
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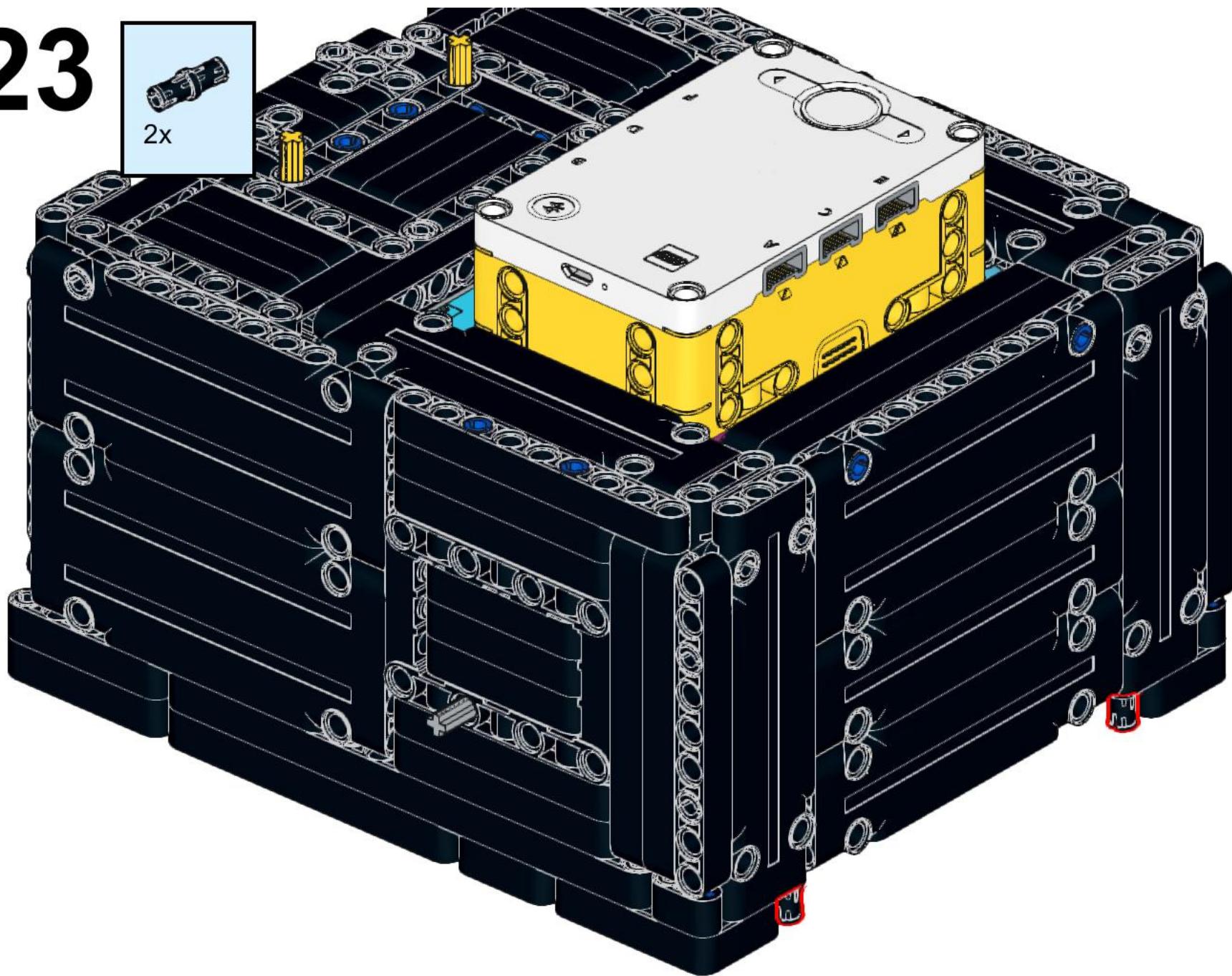
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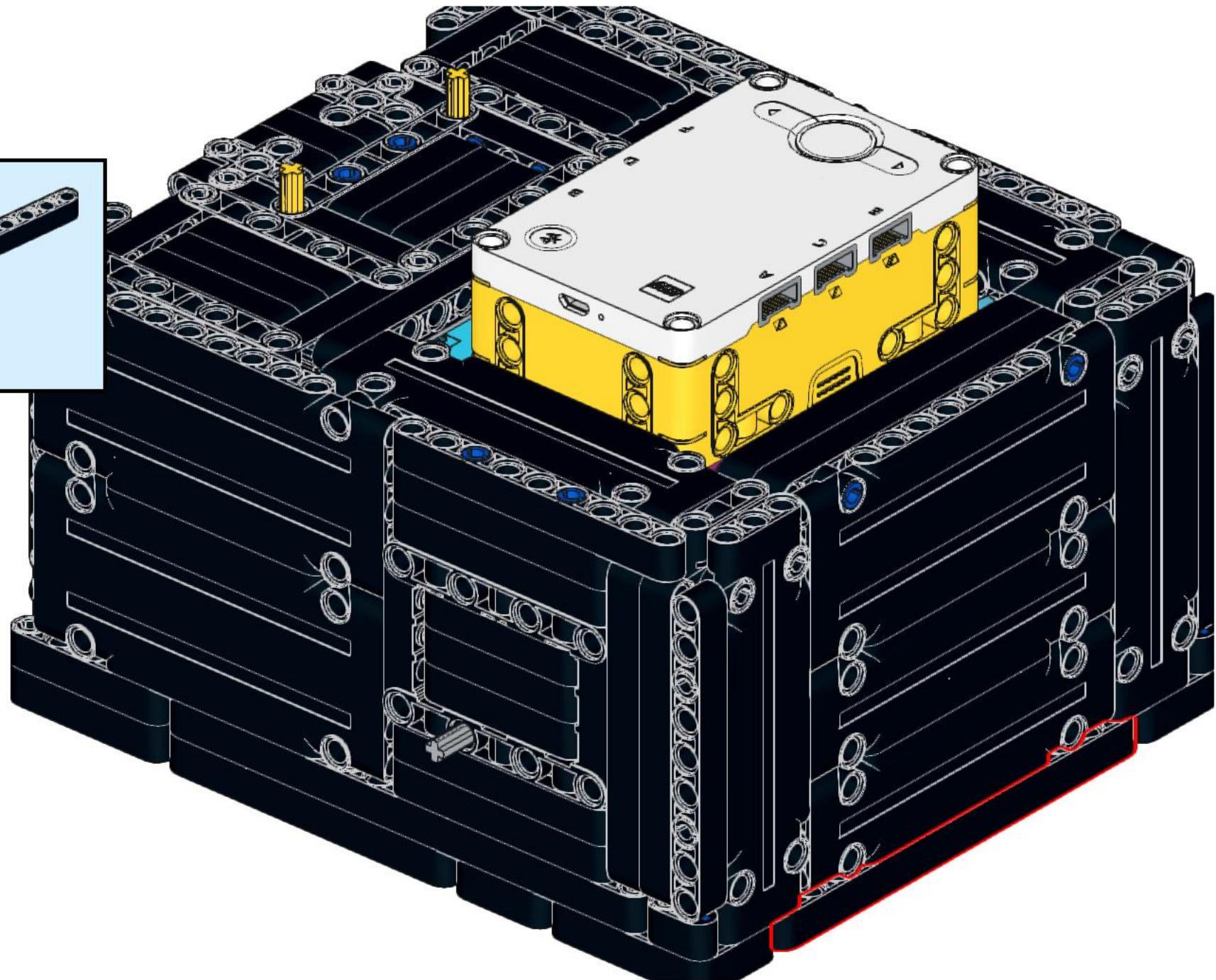
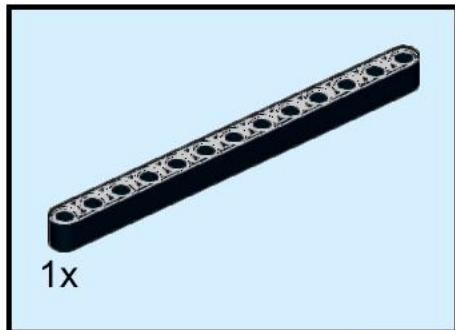
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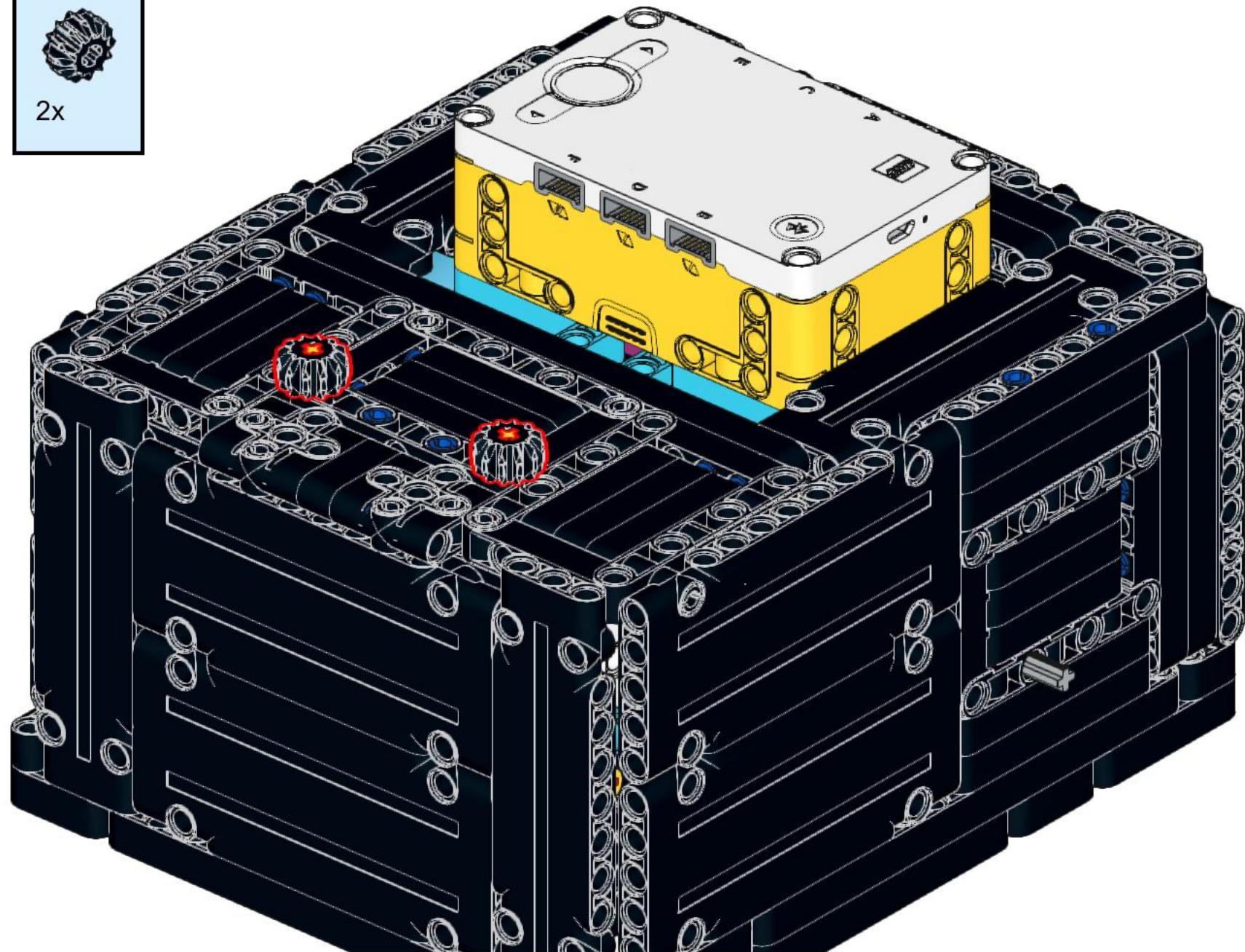
**223**



**224**



**225**



Congratulations on  
completing the robot build!  
Be sure to improve on your  
design and make it your  
own with attachments.

~ Coach Zain