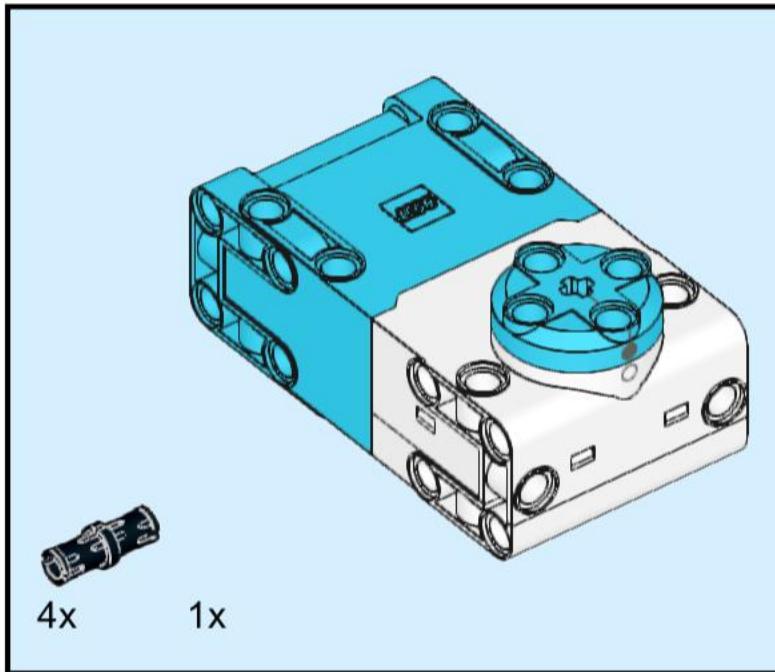
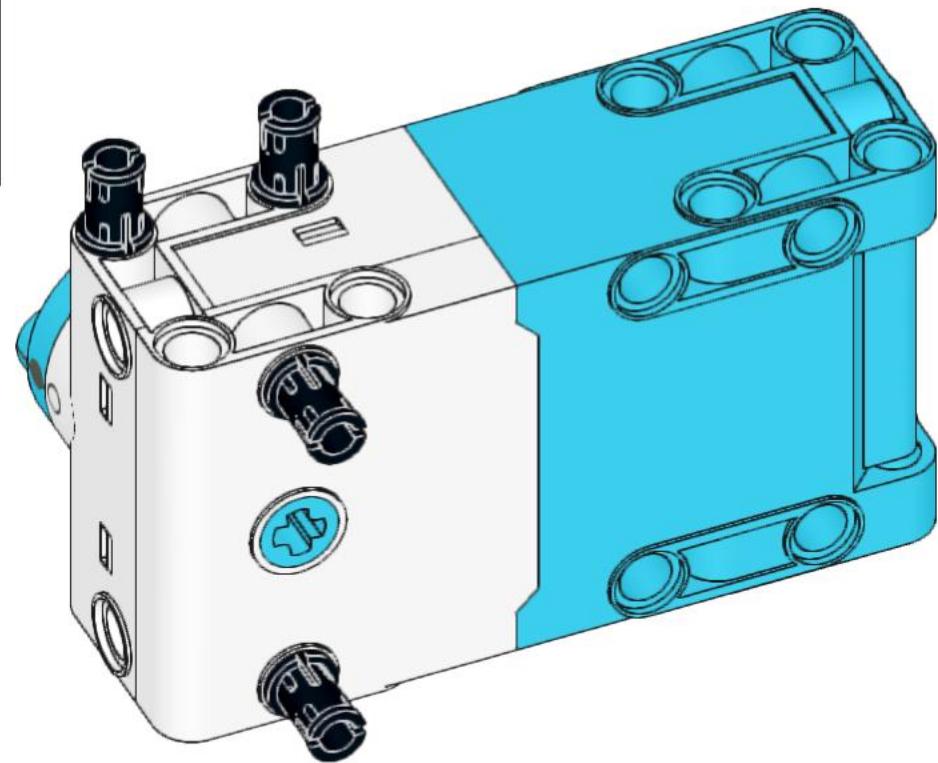


1

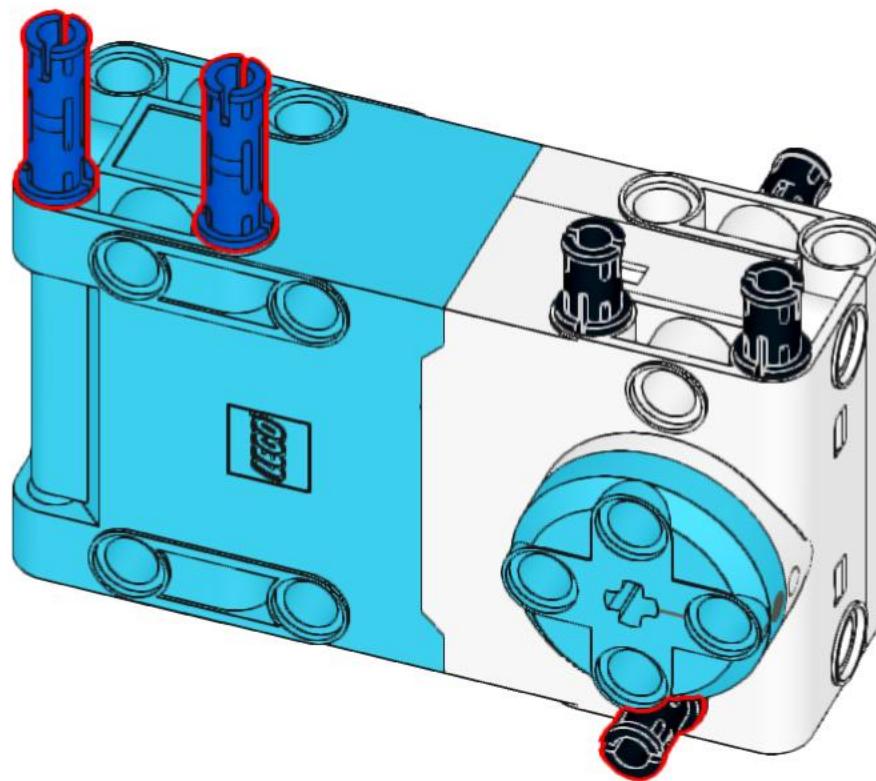
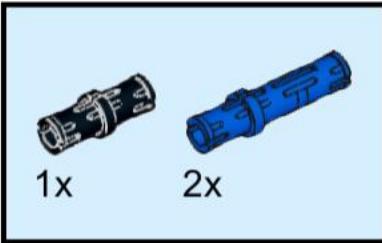


Save some colored beams
for robot identification:
(2) nine hole beams
(2) right-angle 3x5 beams

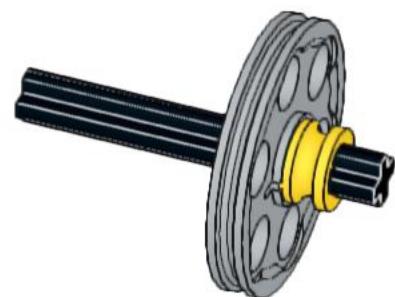
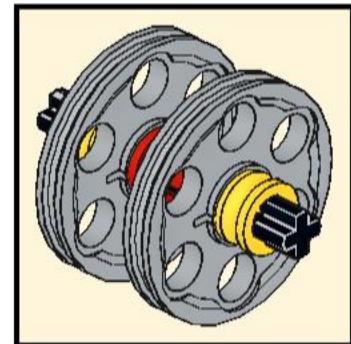
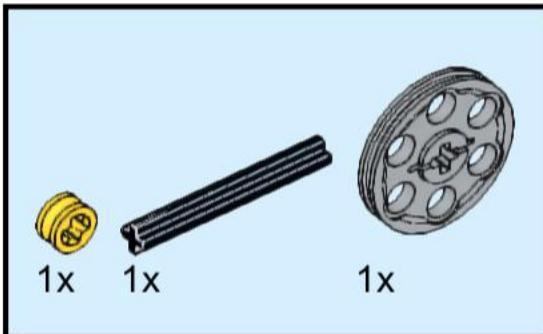
These will go on the top
layer of the wall surrounding
the robot.



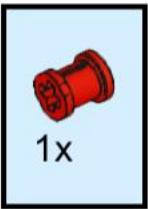
2



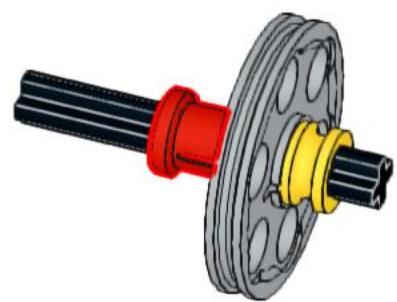
3



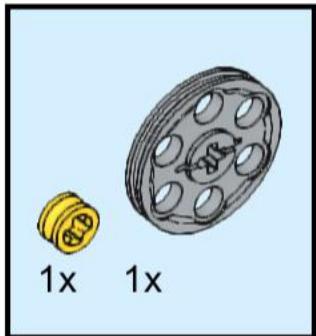
4



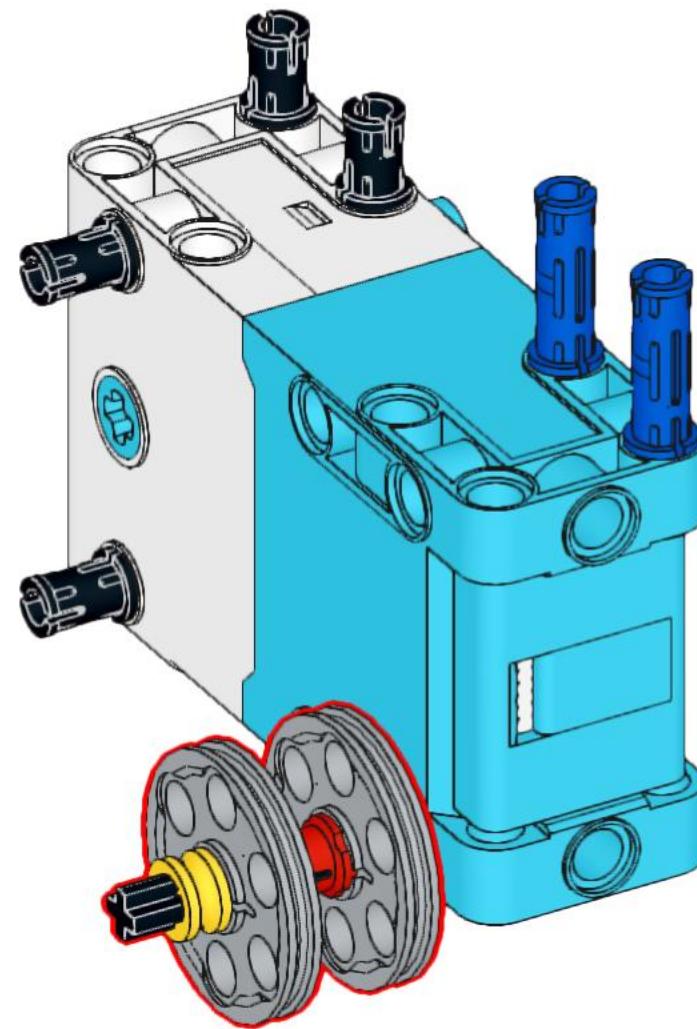
1x



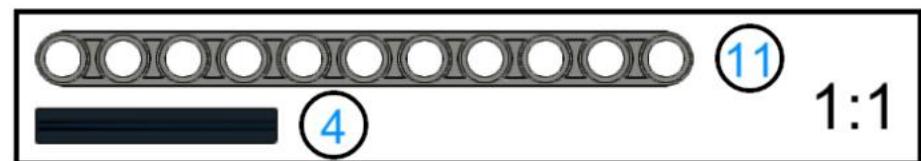
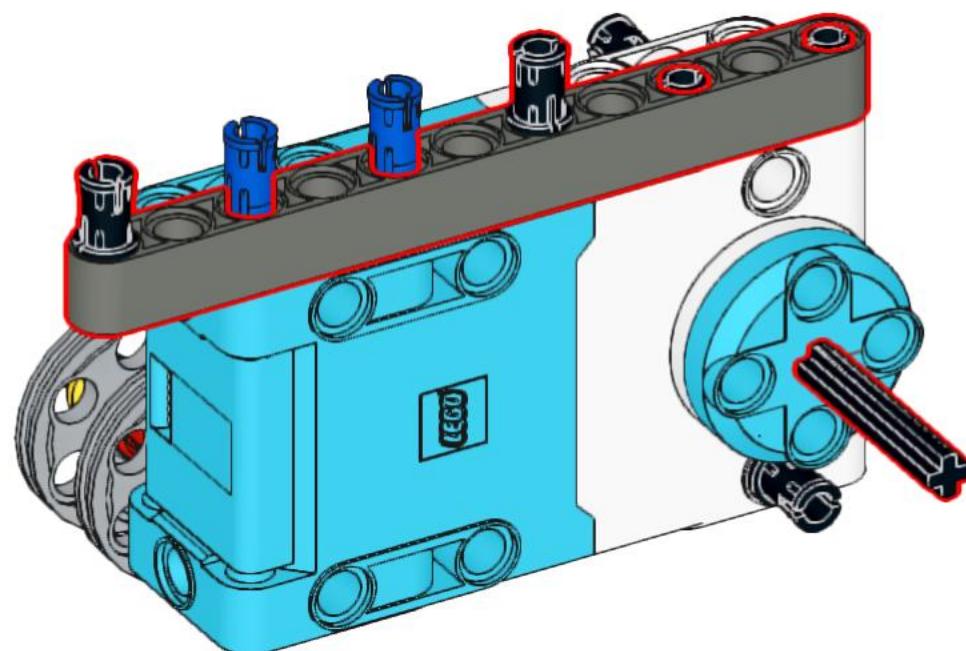
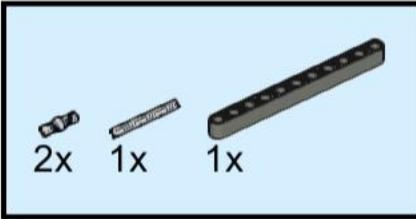
5



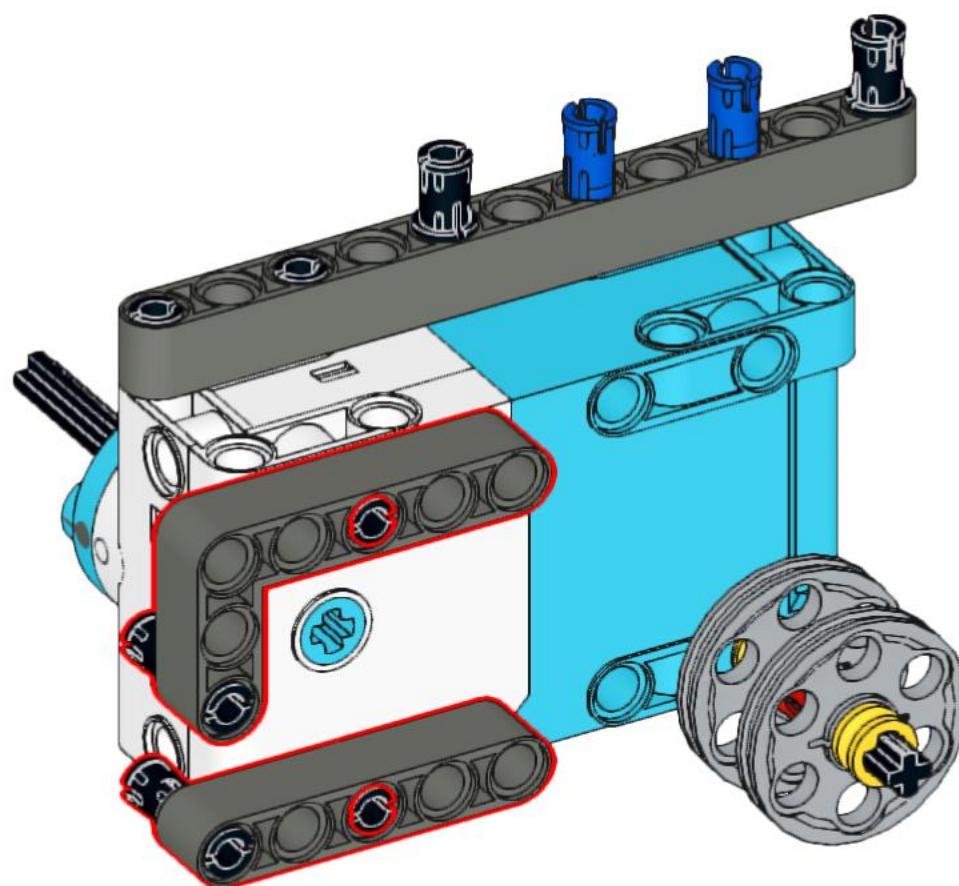
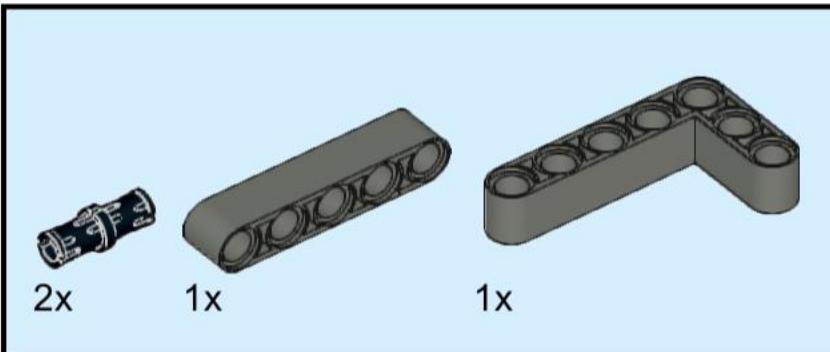
6



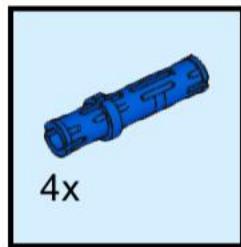
7



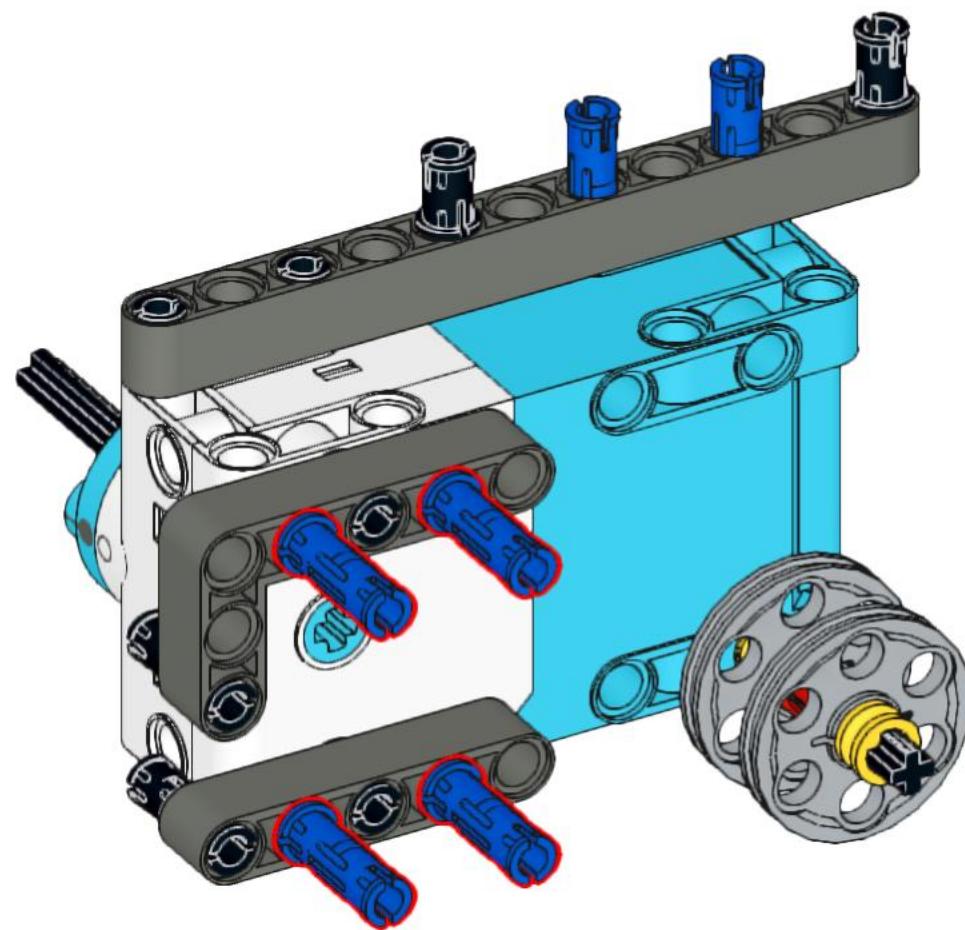
8



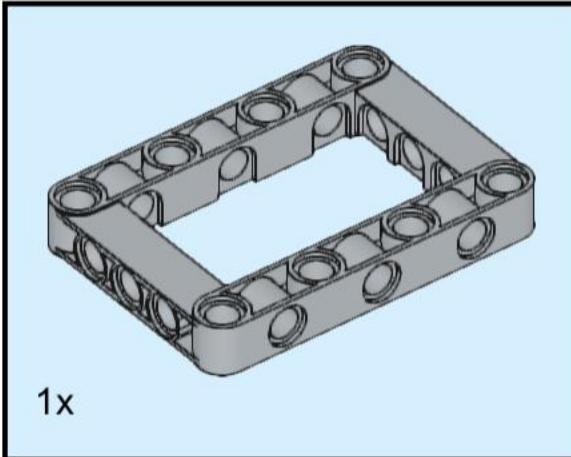
9



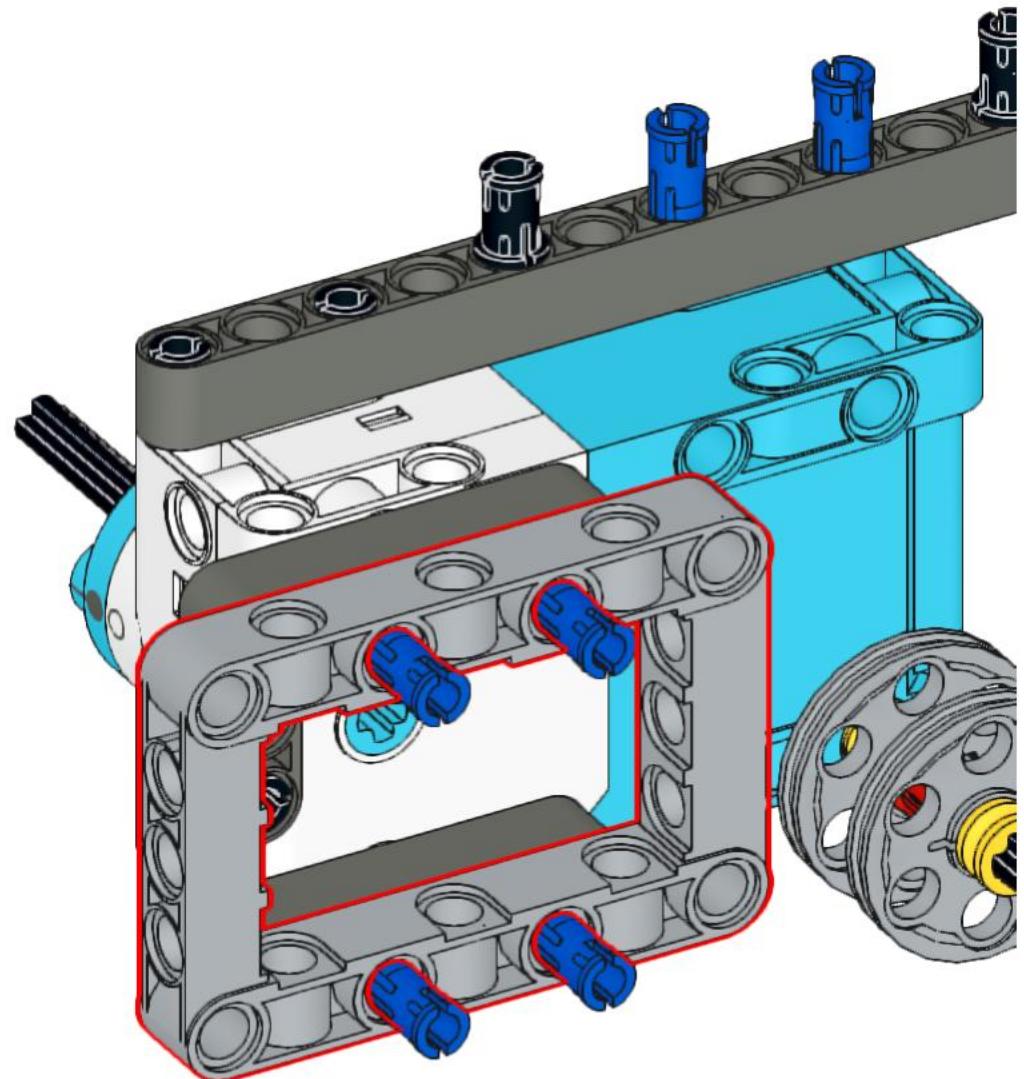
4x



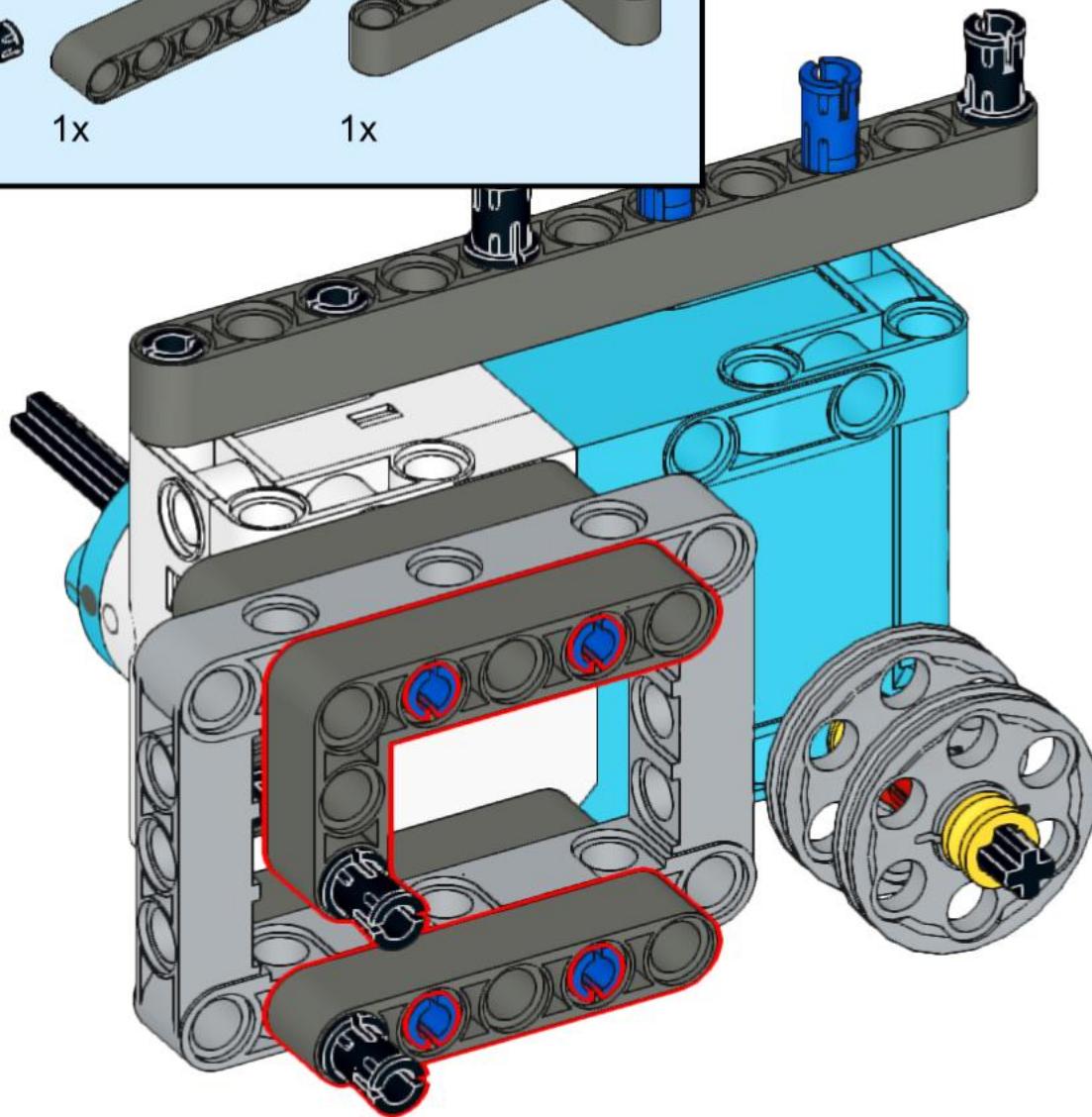
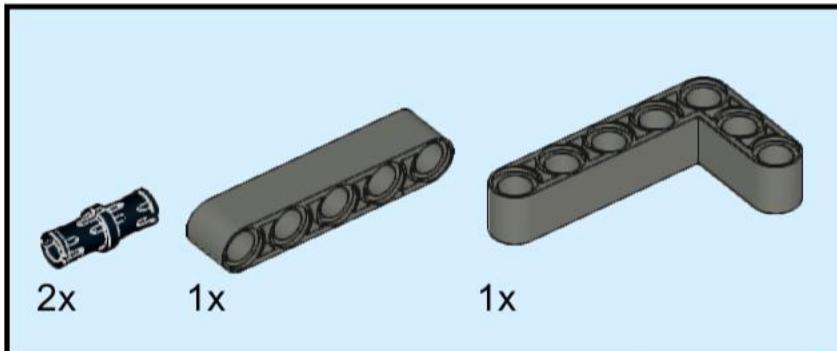
10



1x

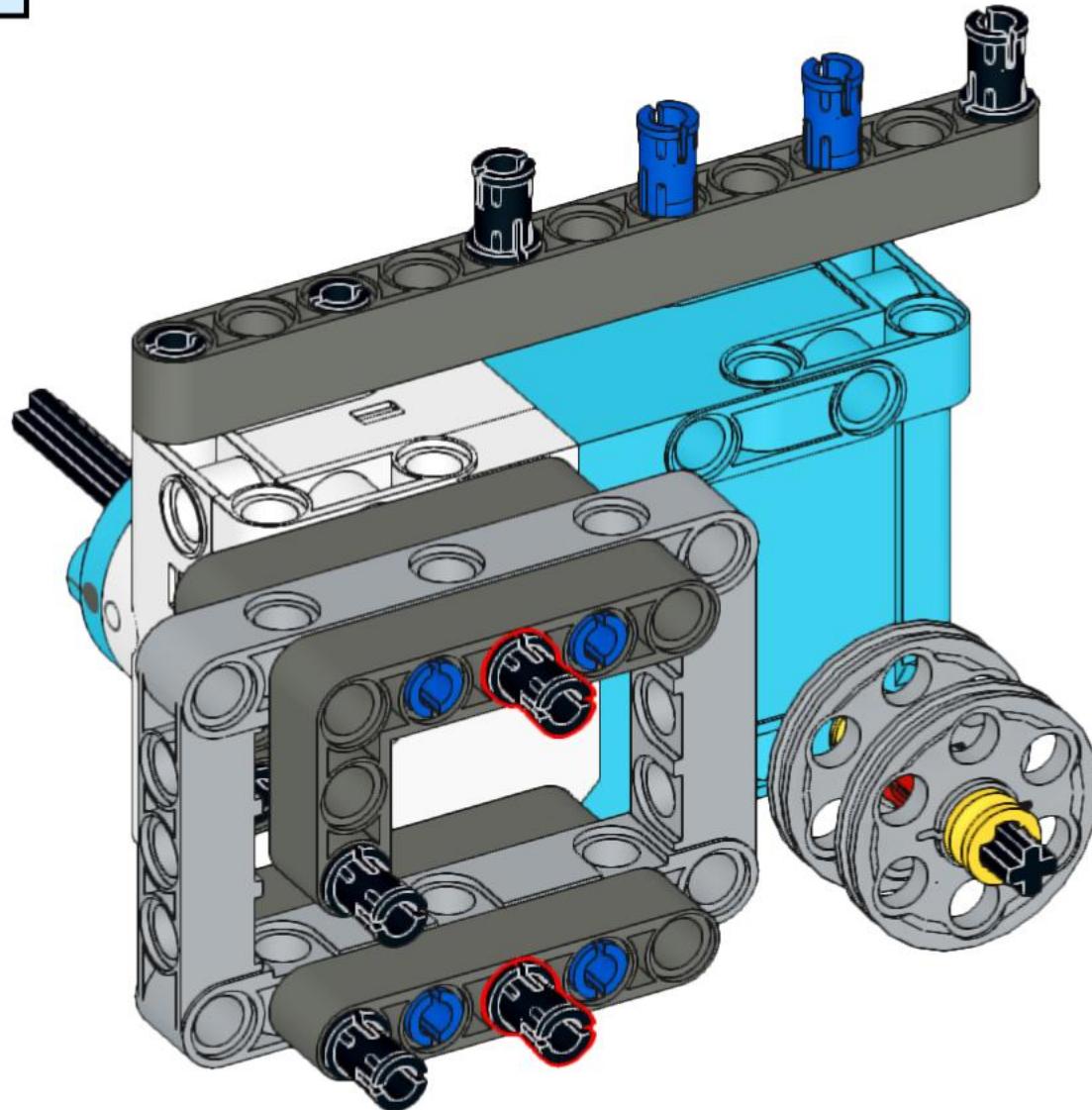


11

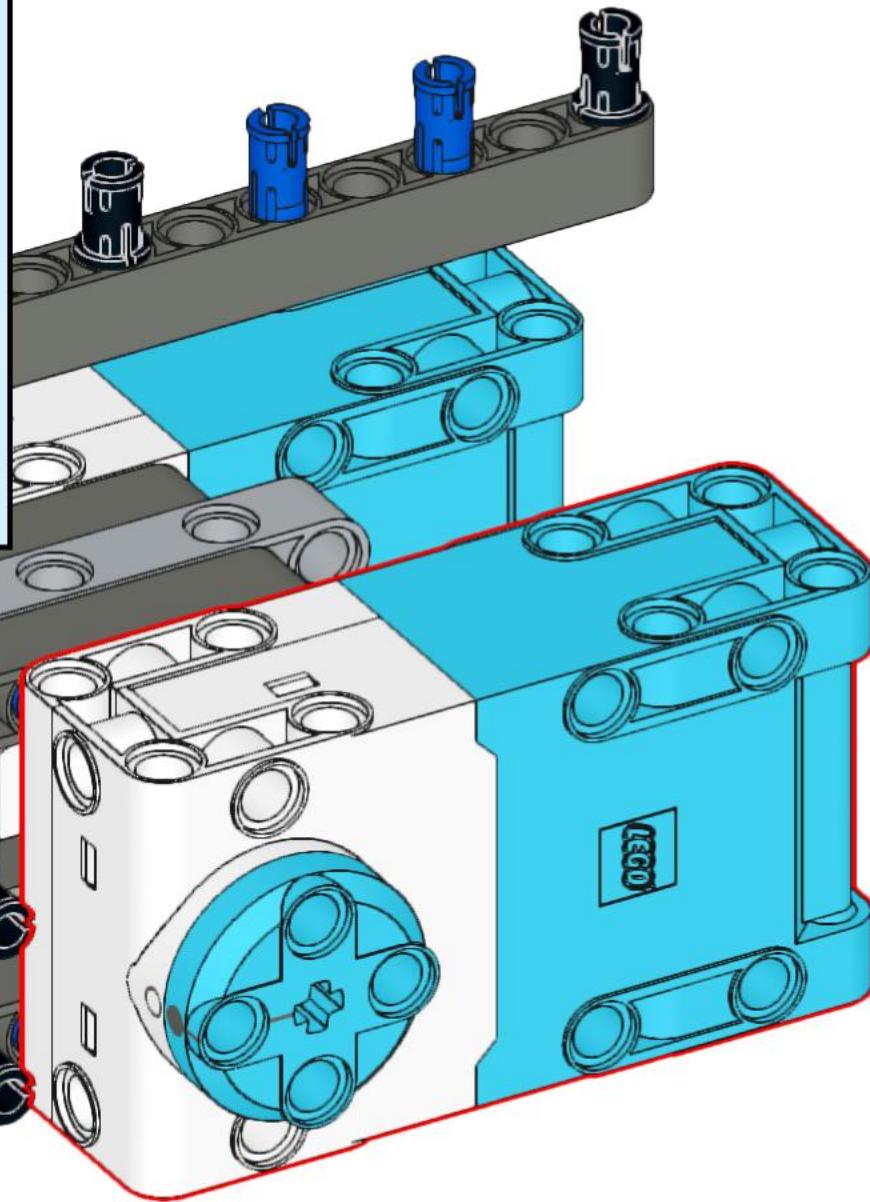
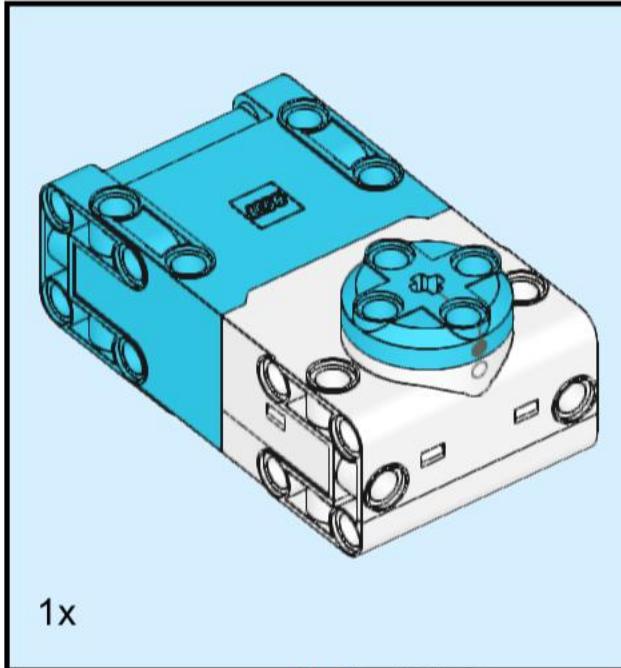


12

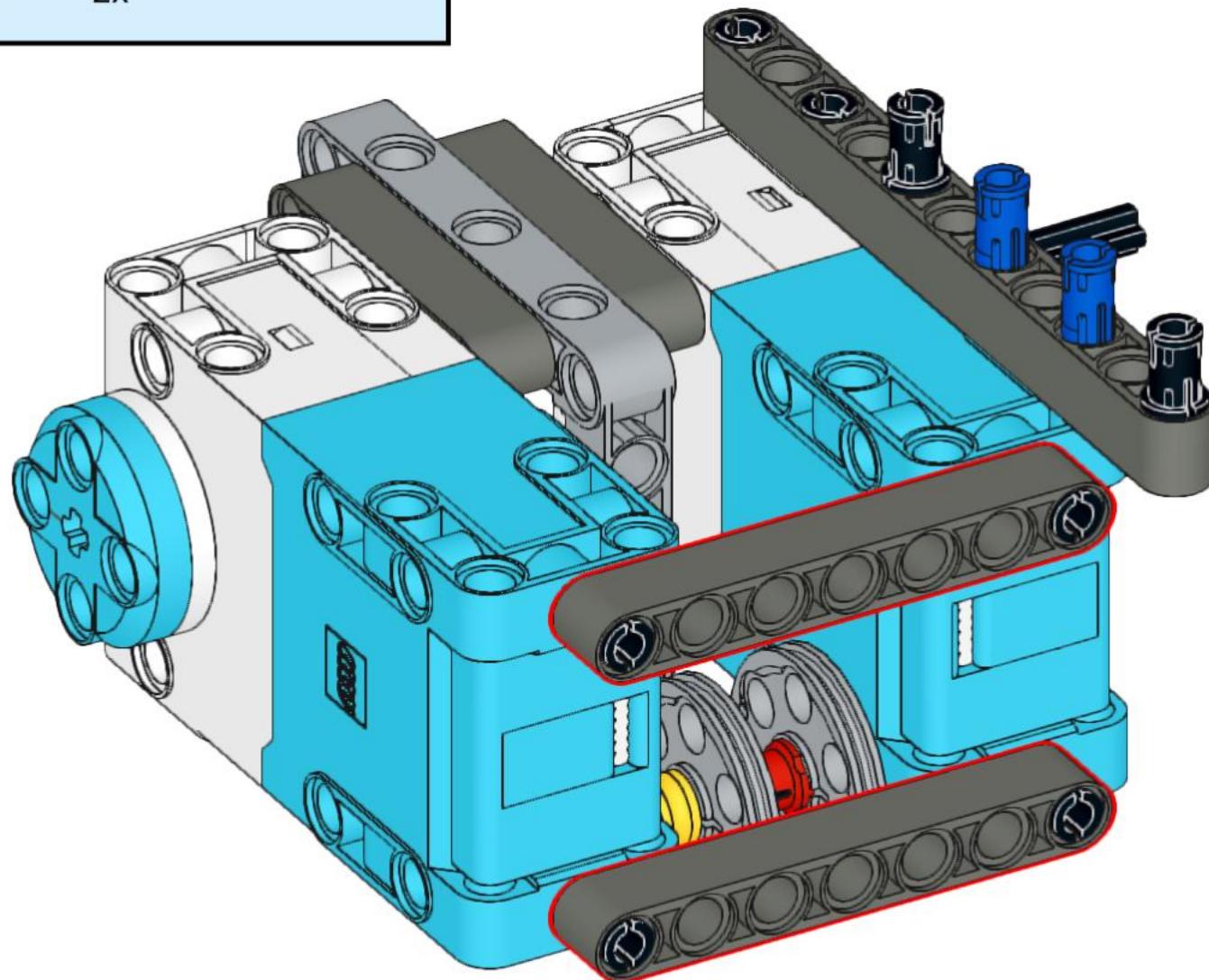
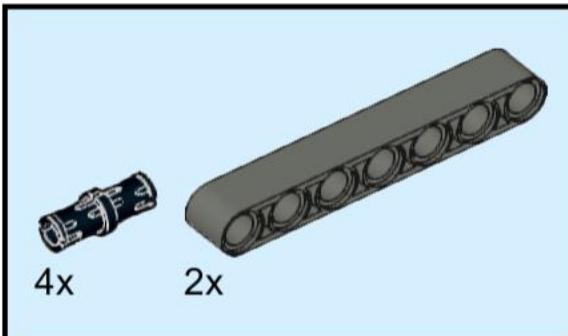
2x



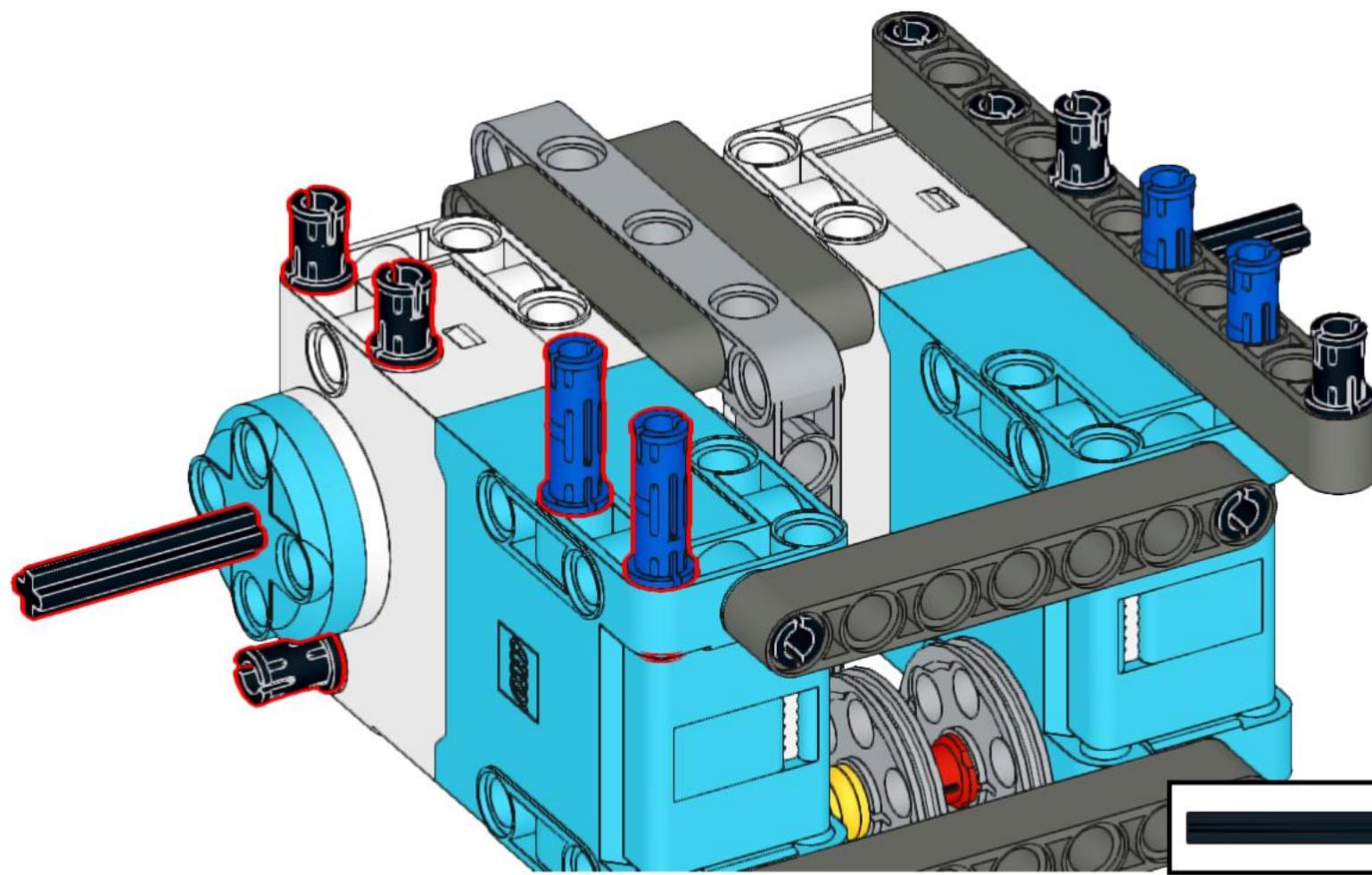
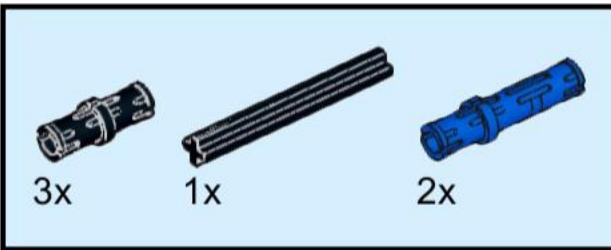
13



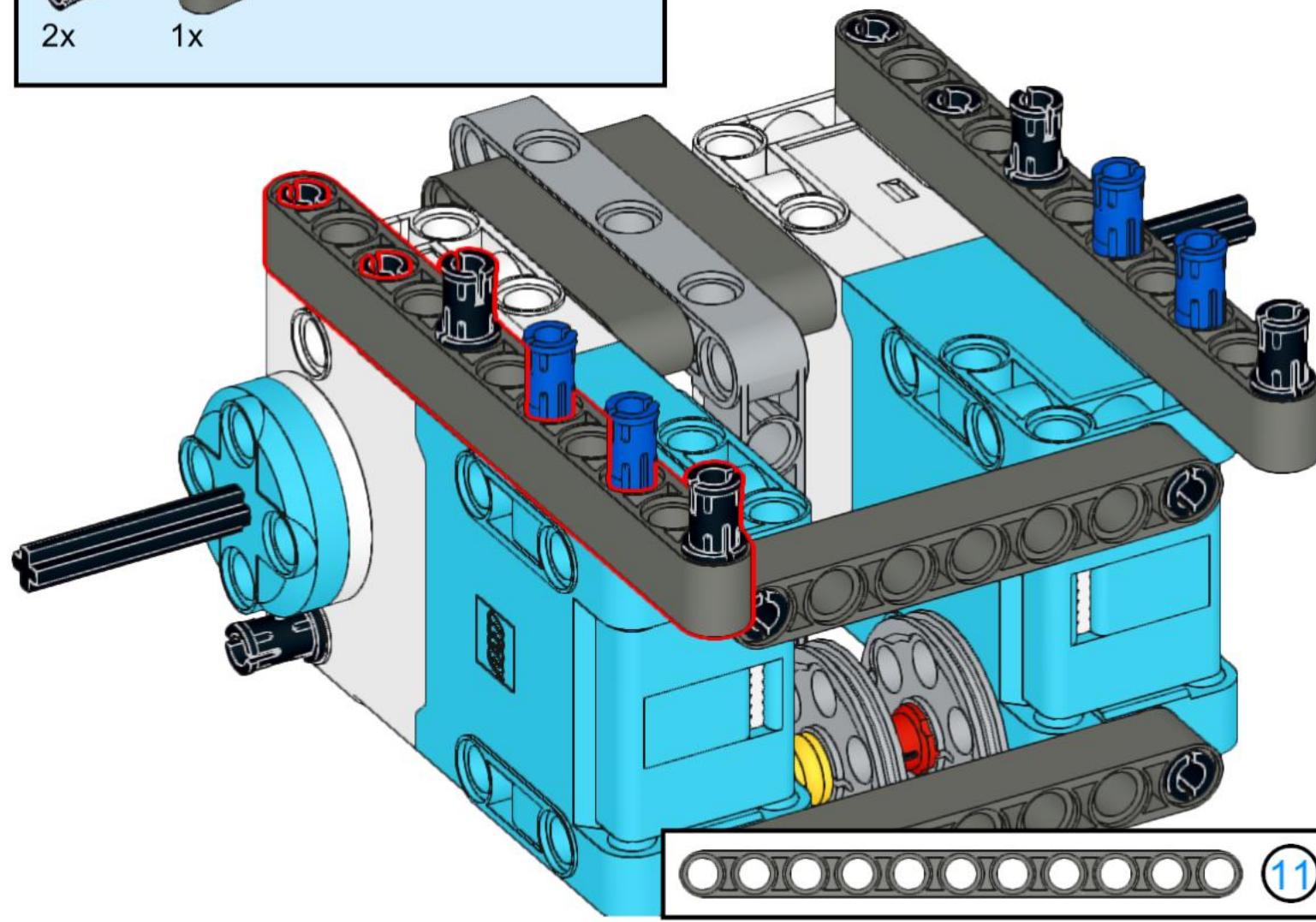
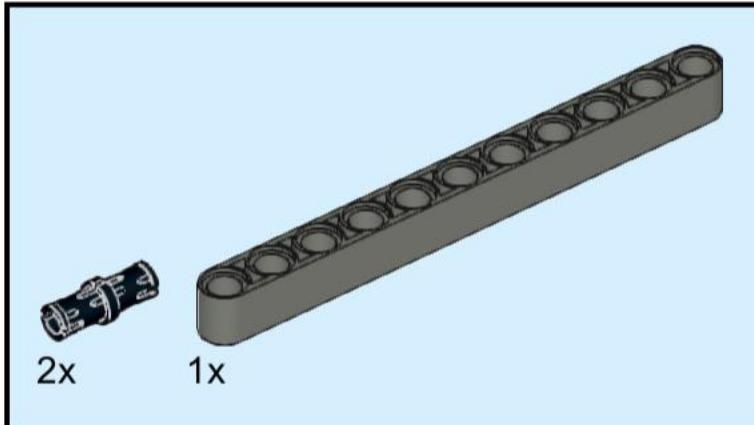
14



15

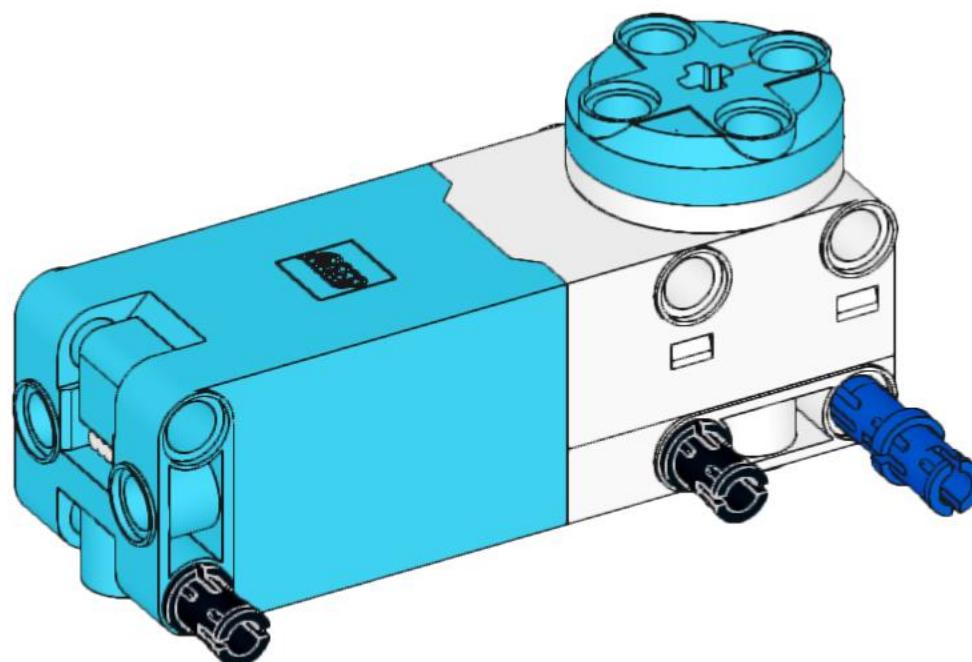
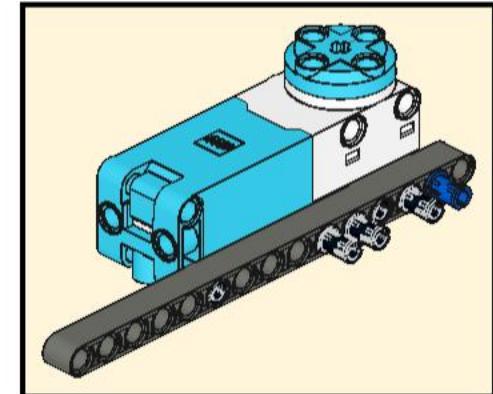
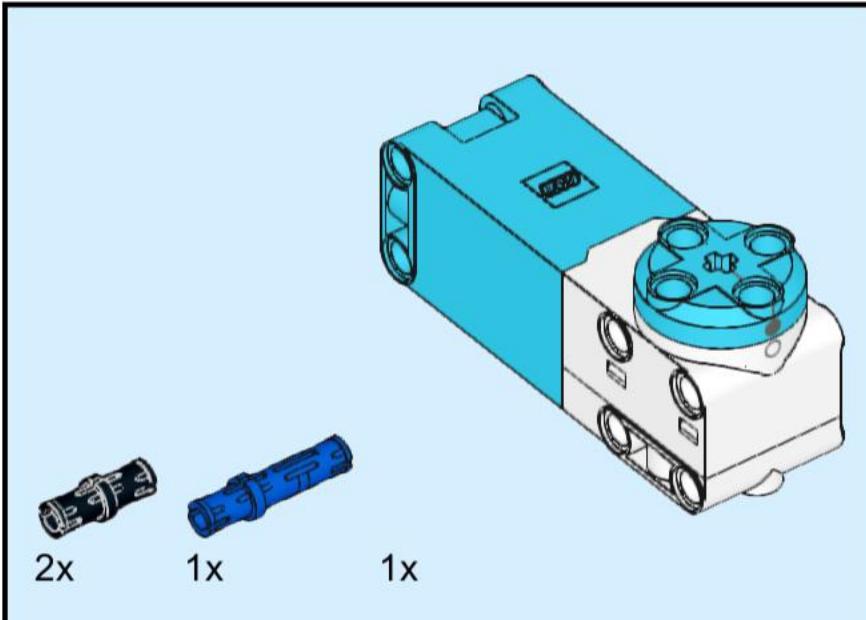


16

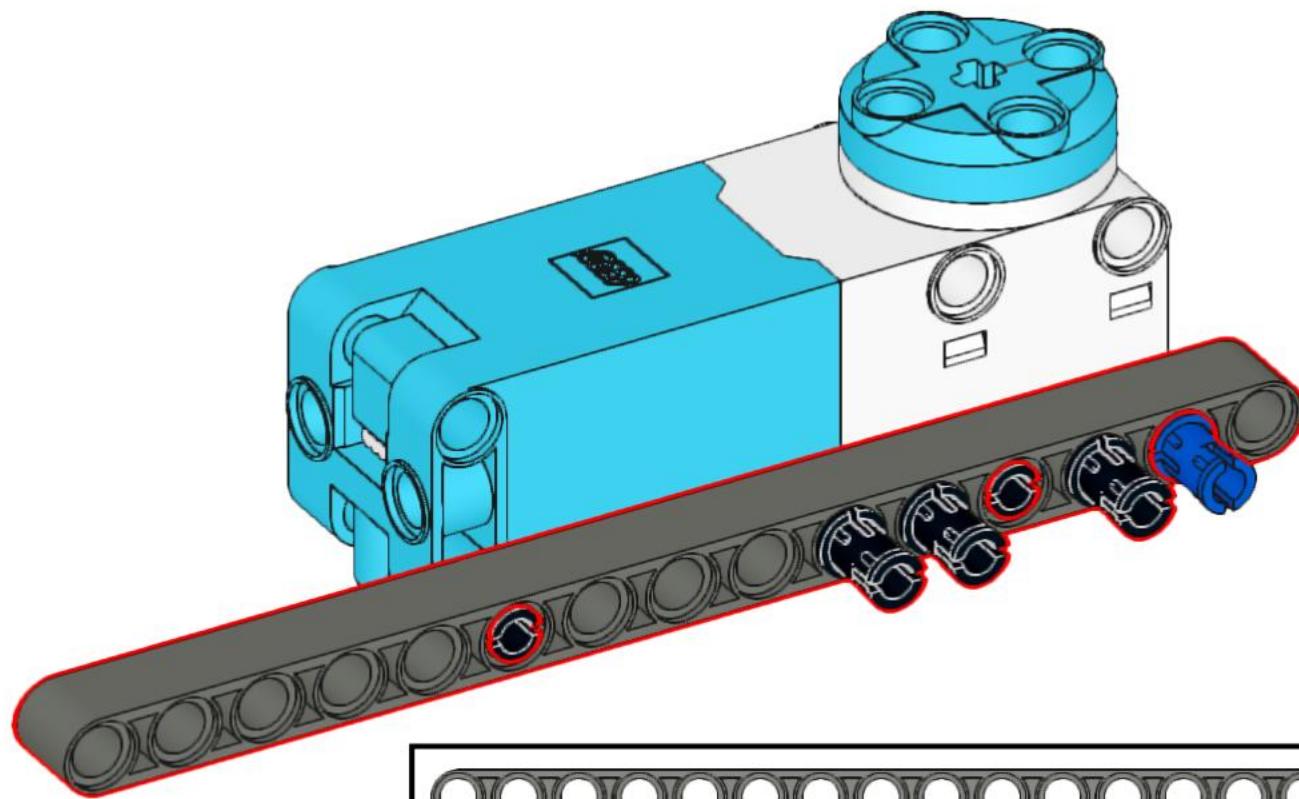
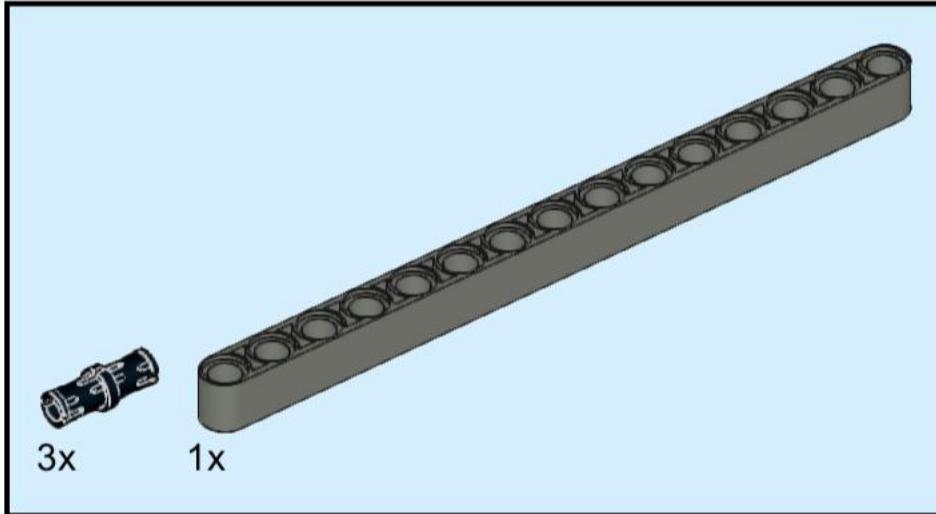


11 1:1

17



18



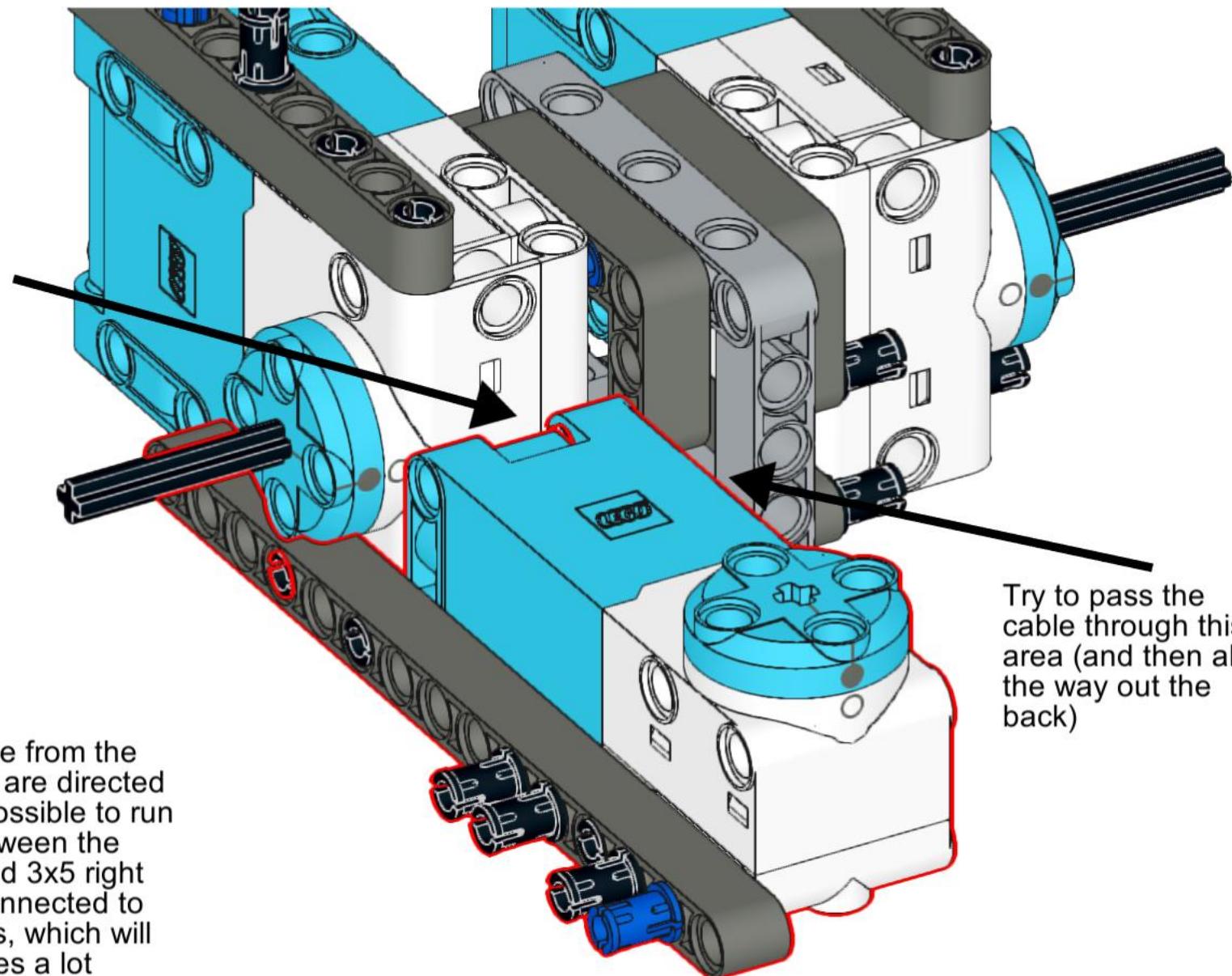
15 1:1

A horizontal grey bar with a black outline, representing a 1:1 scale model of the grey Technic beam shown in the previous image.

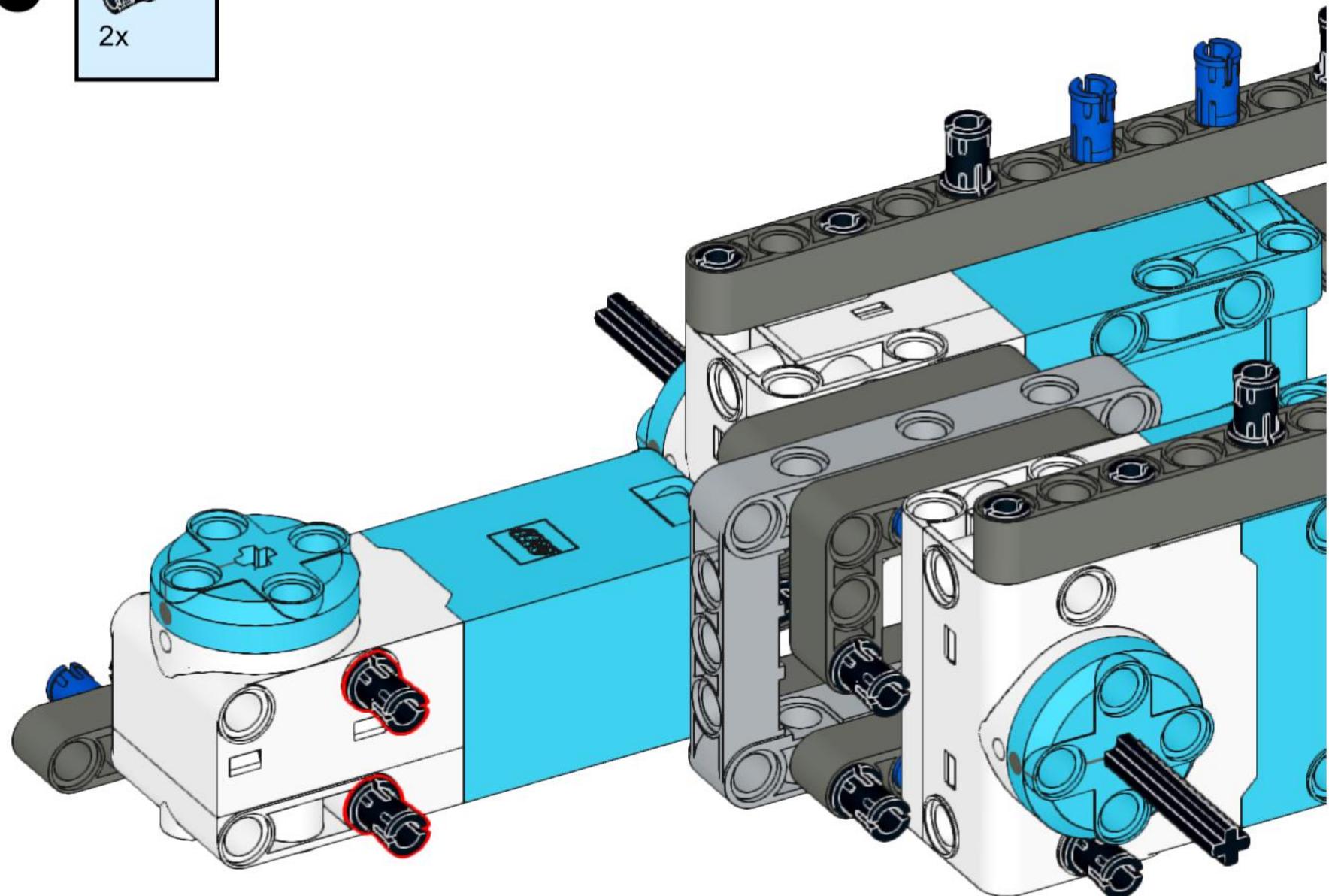
19

Cable exits here

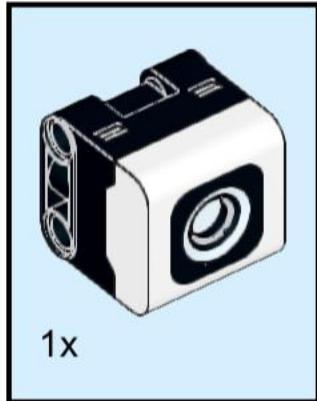
Ensure the cable from the medium motors are directed upwards. It is possible to run the cable in between the center frame and 3x5 right angle pieces connected to the large motors, which will make your cables a lot neater.



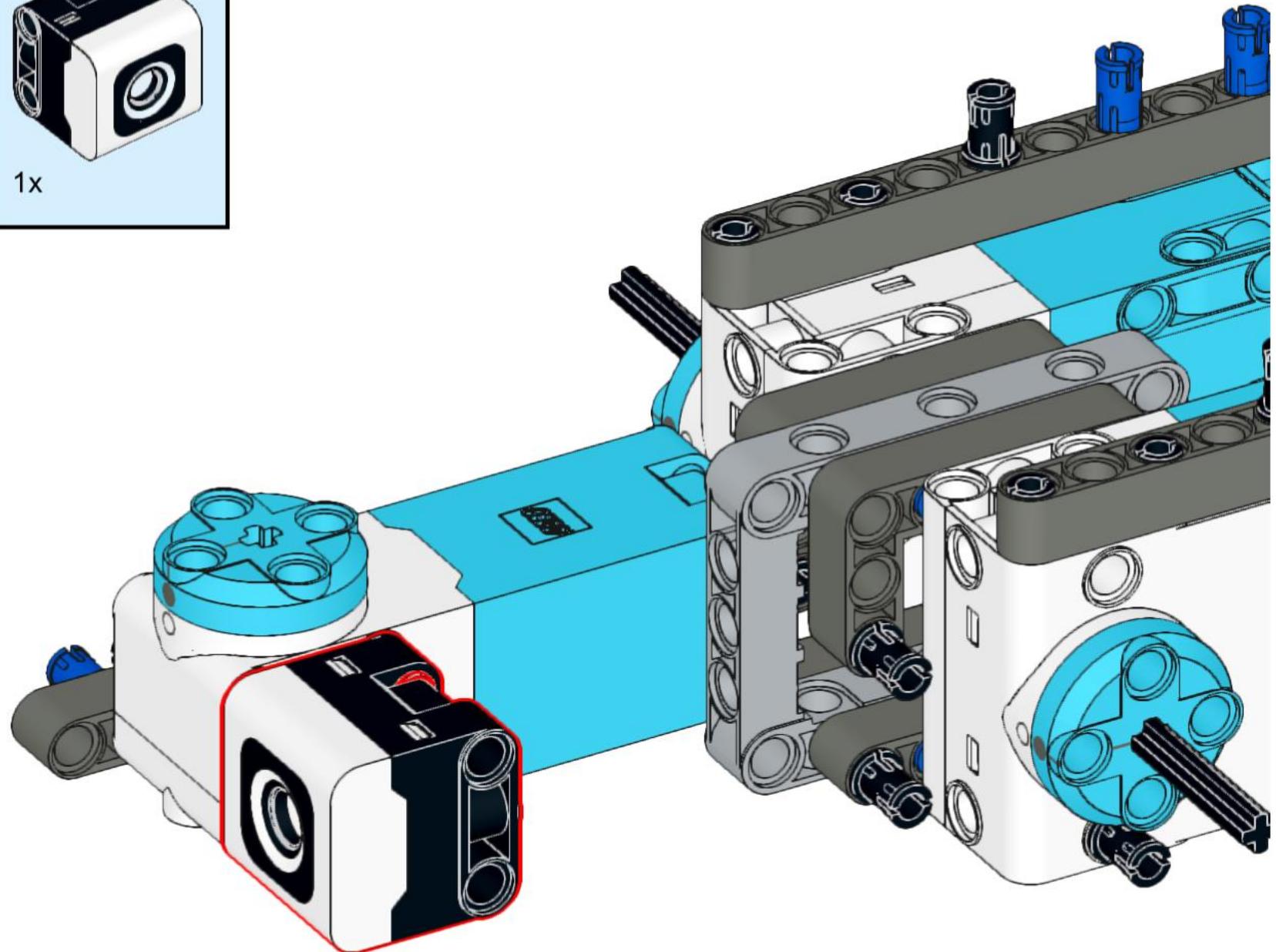
20



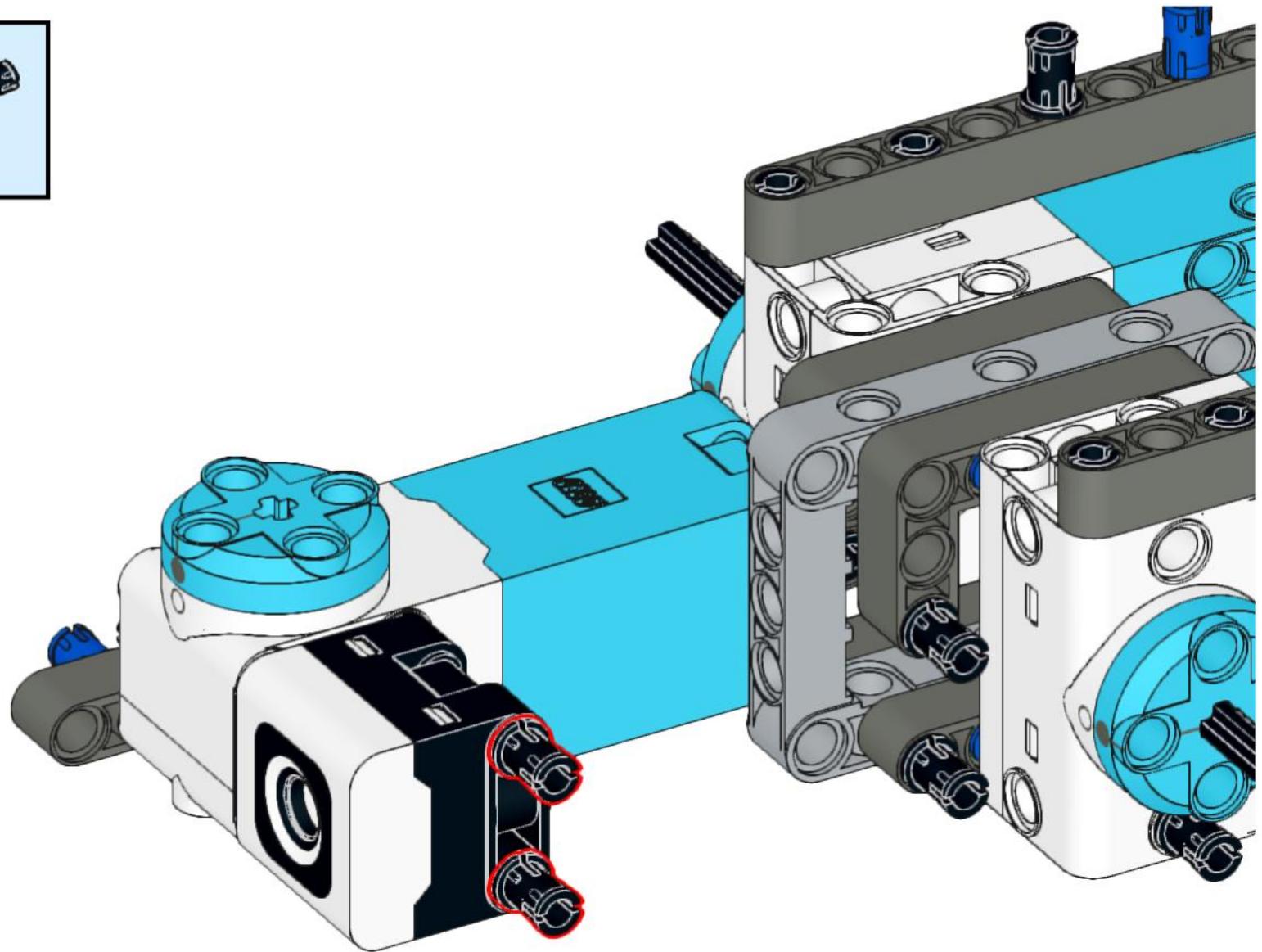
21



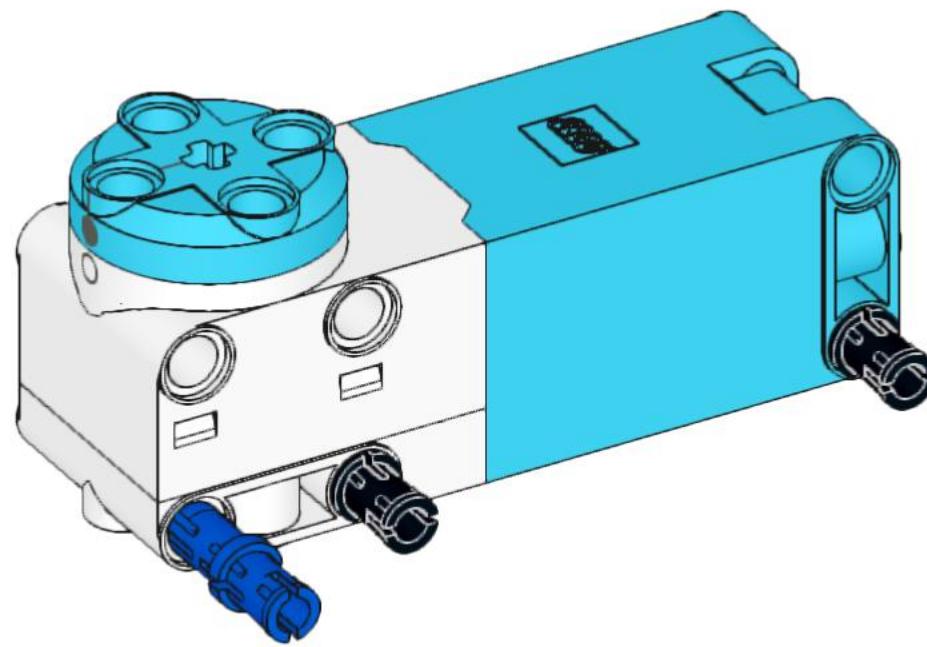
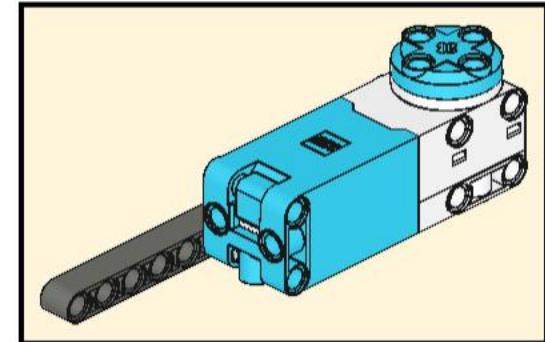
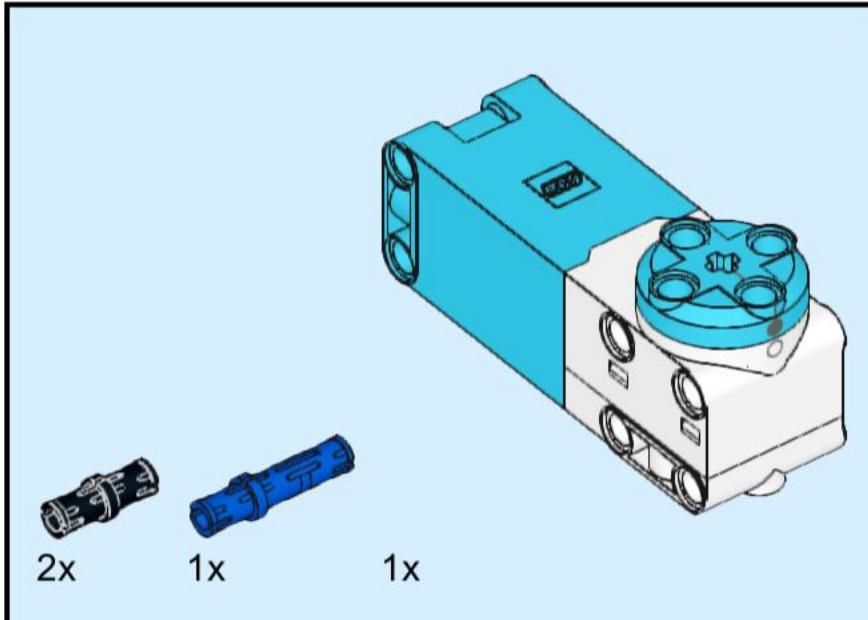
1x



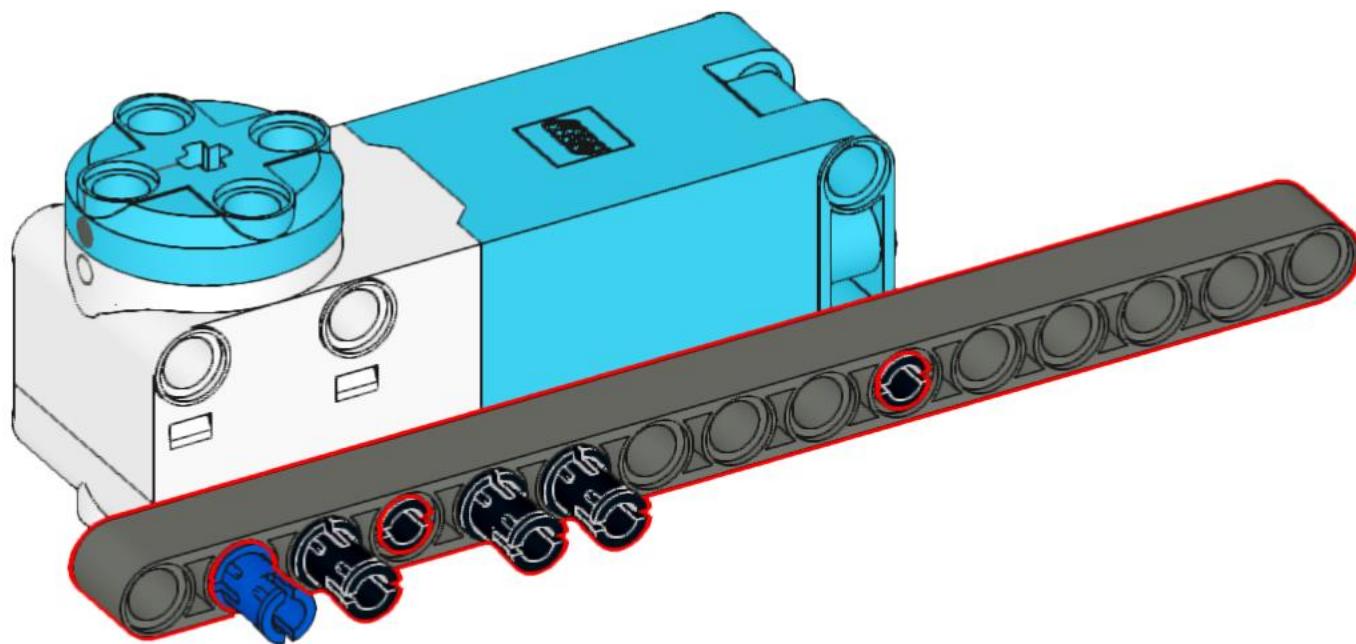
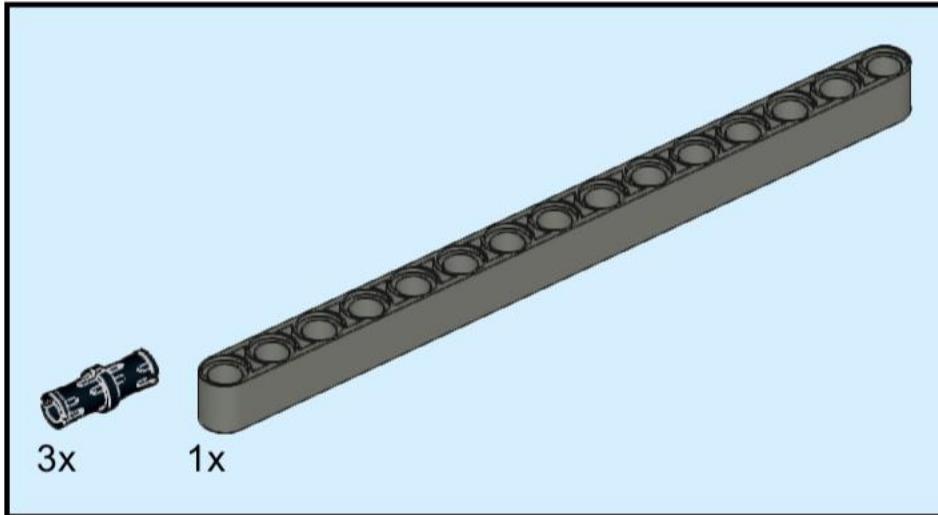
22



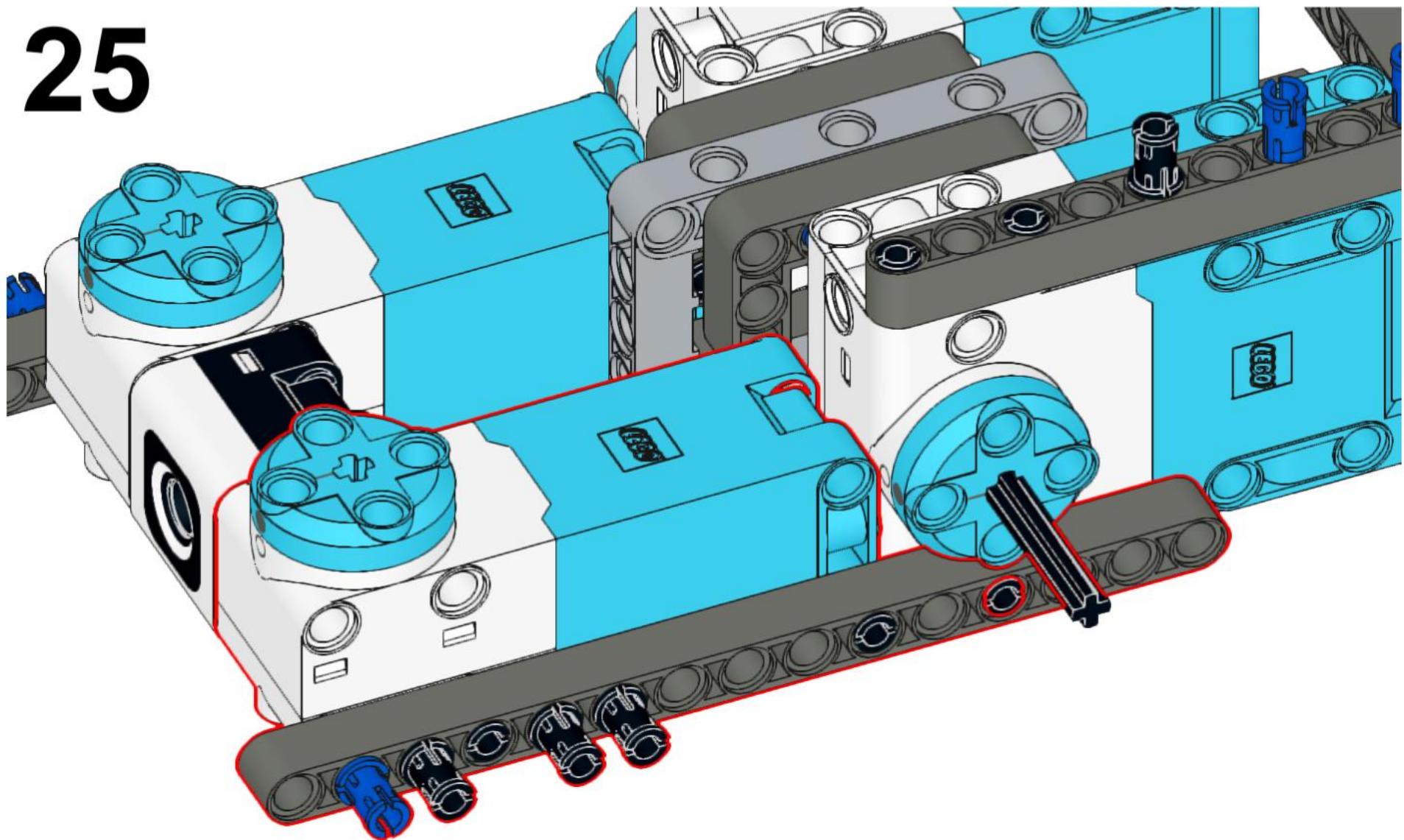
23



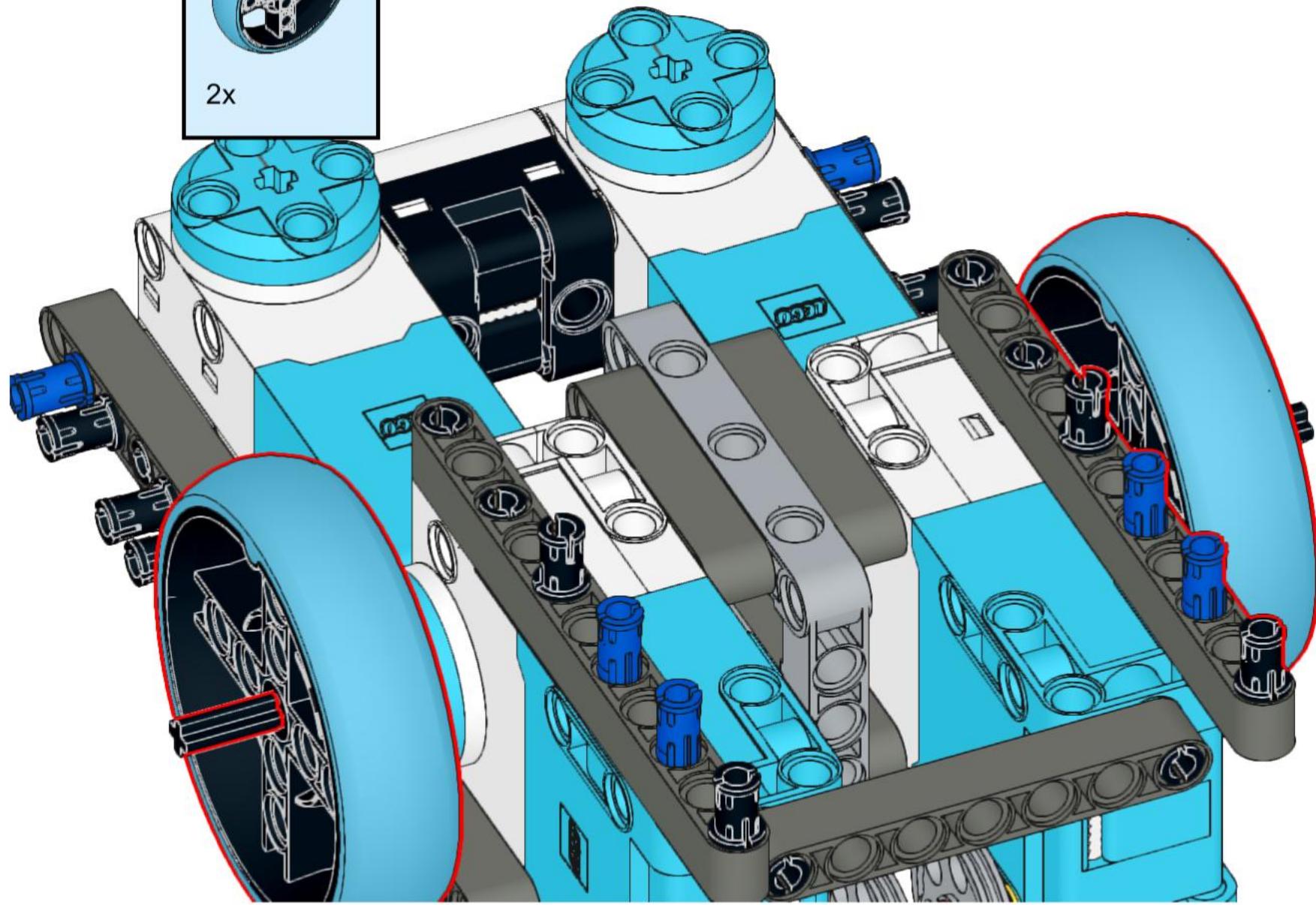
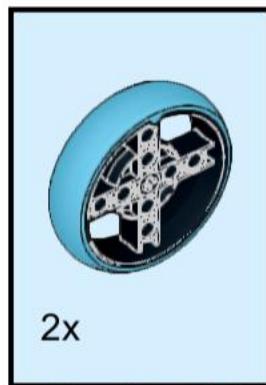
24



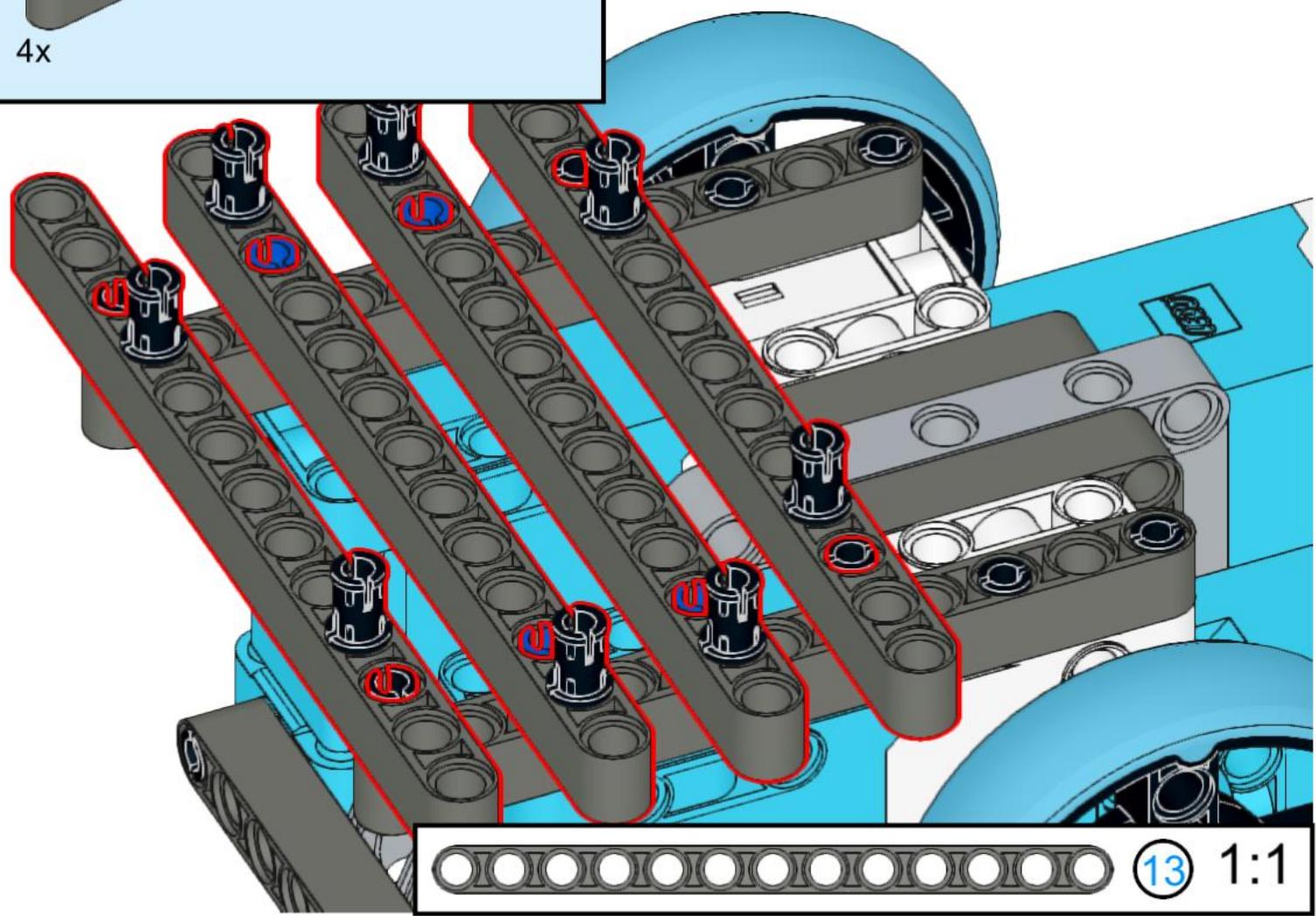
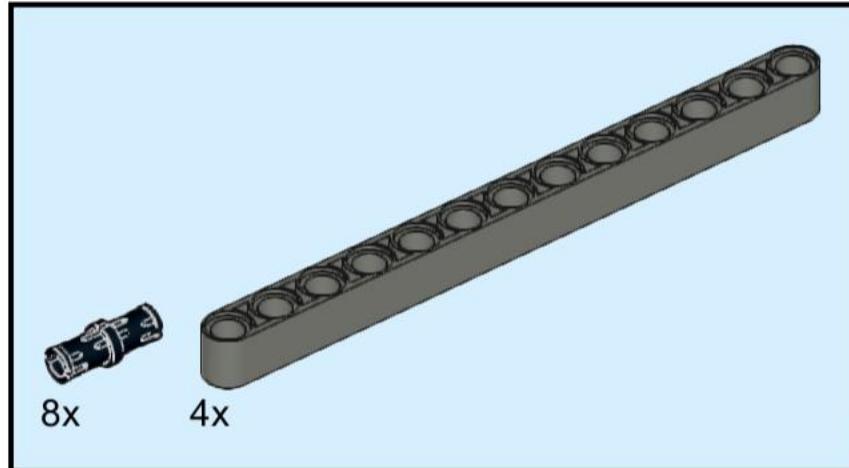
25



26



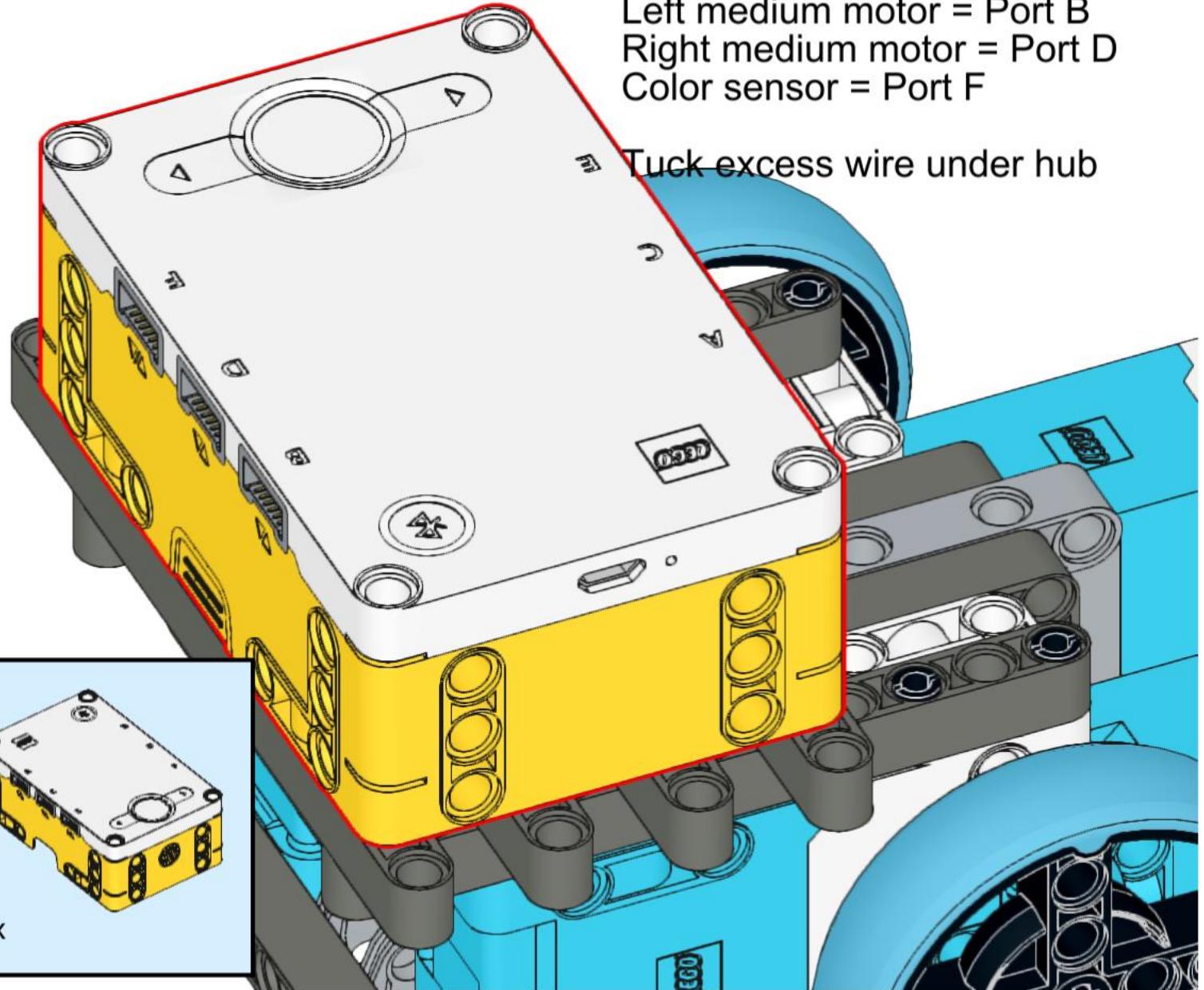
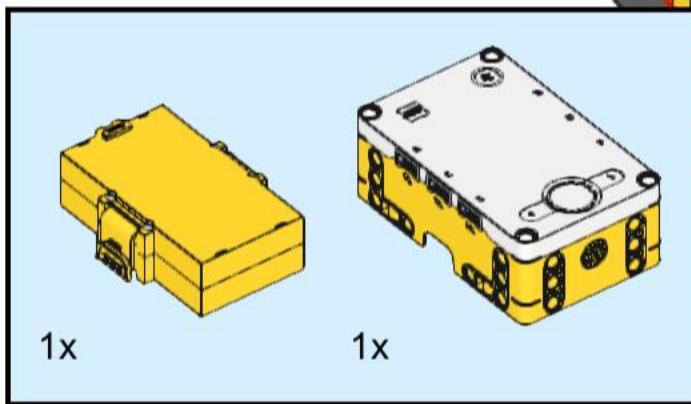
27



28

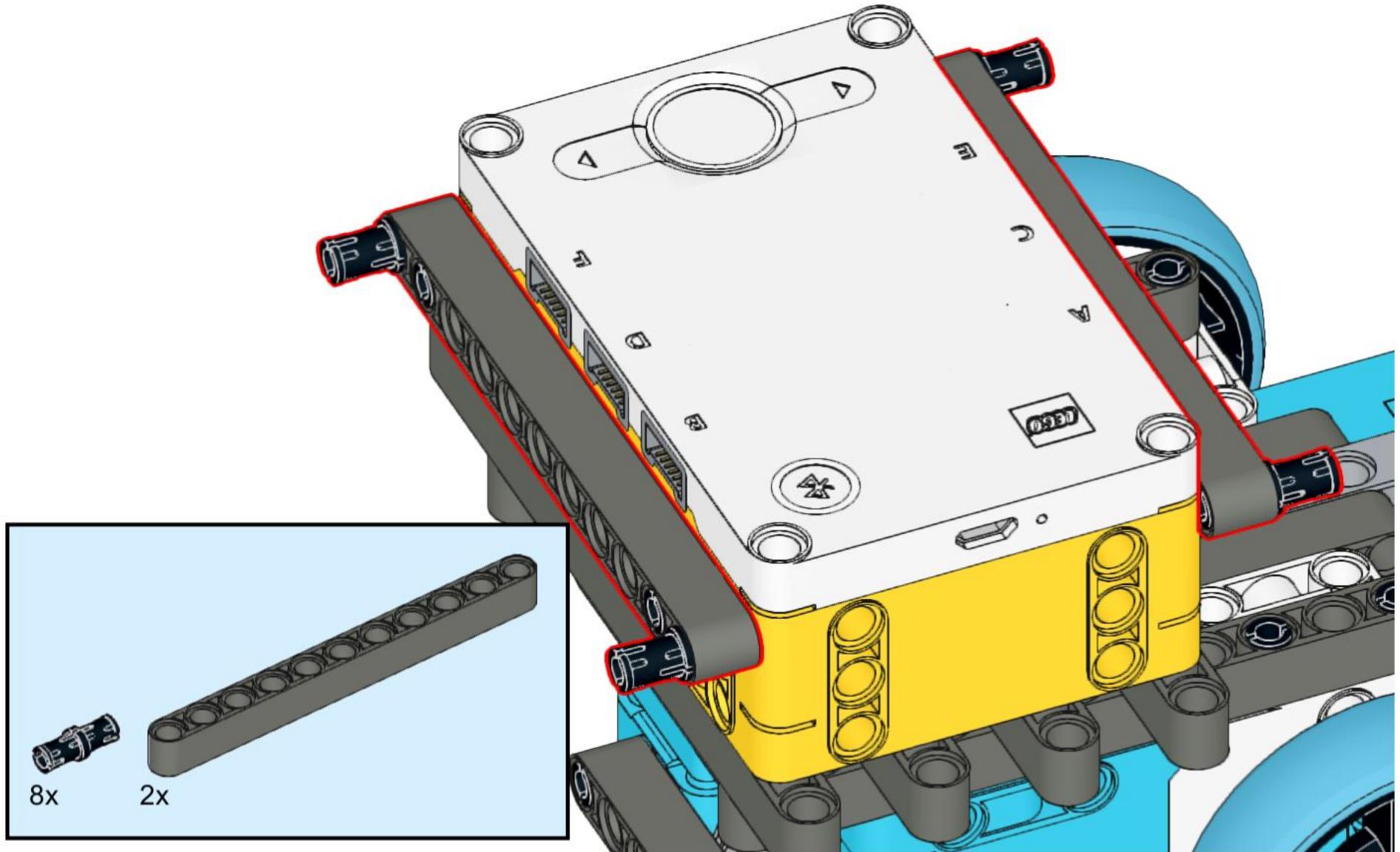
Power button to the left
Left drive motor = Port E
Right drive motor = Port A
Left medium motor = Port B
Right medium motor = Port D
Color sensor = Port F

→ Tuck excess wire under hub

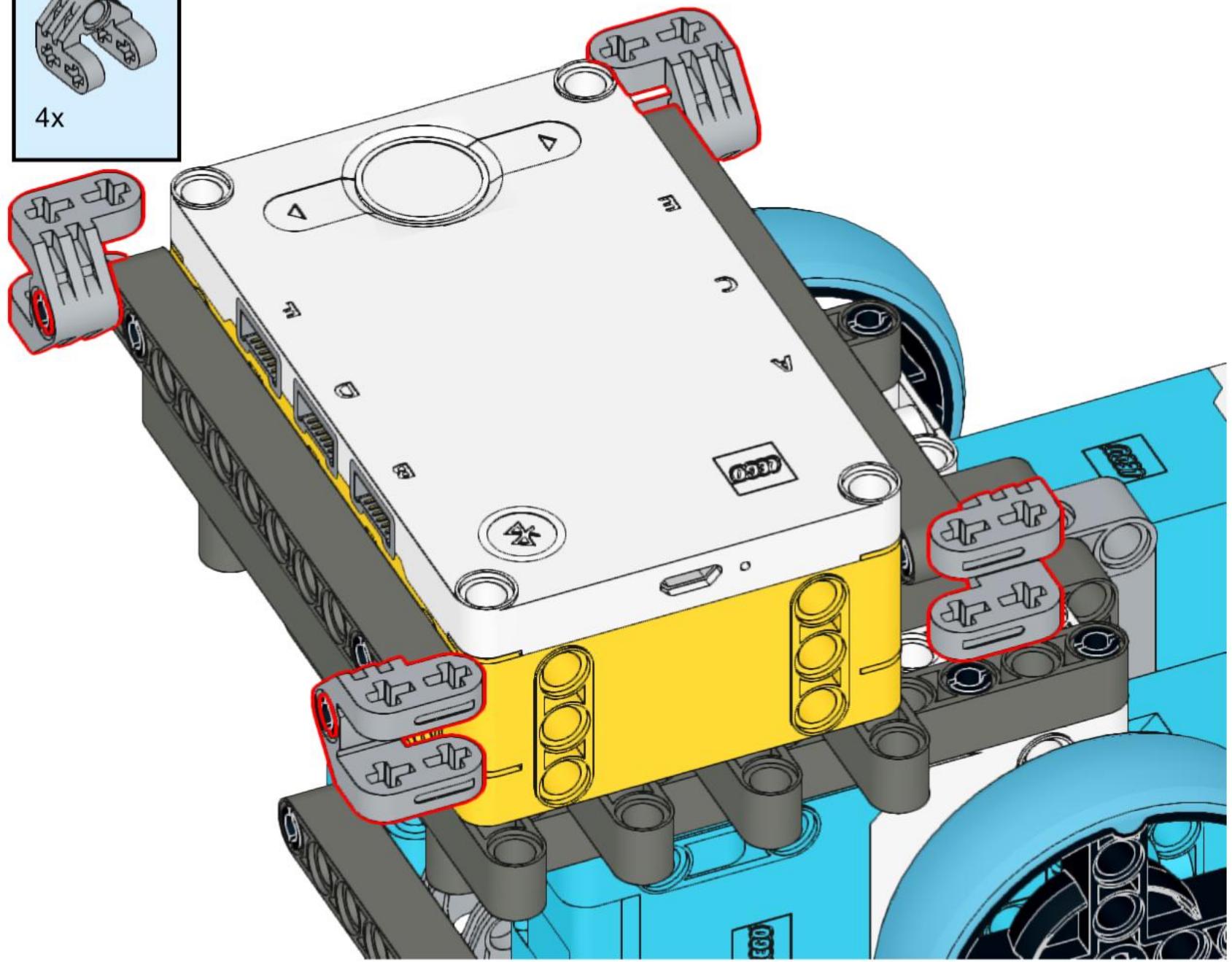
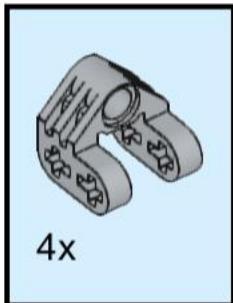


29

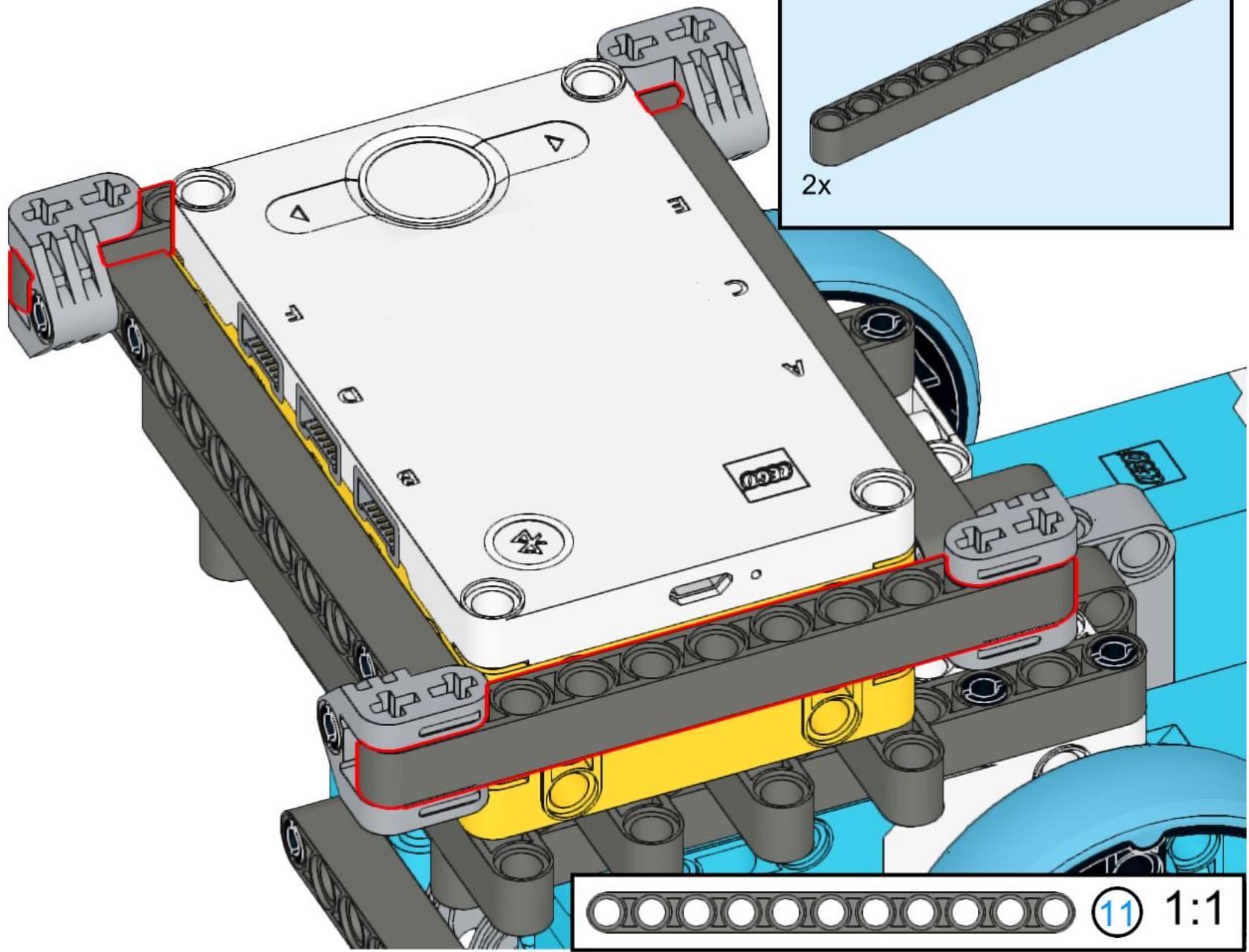
11 1:1



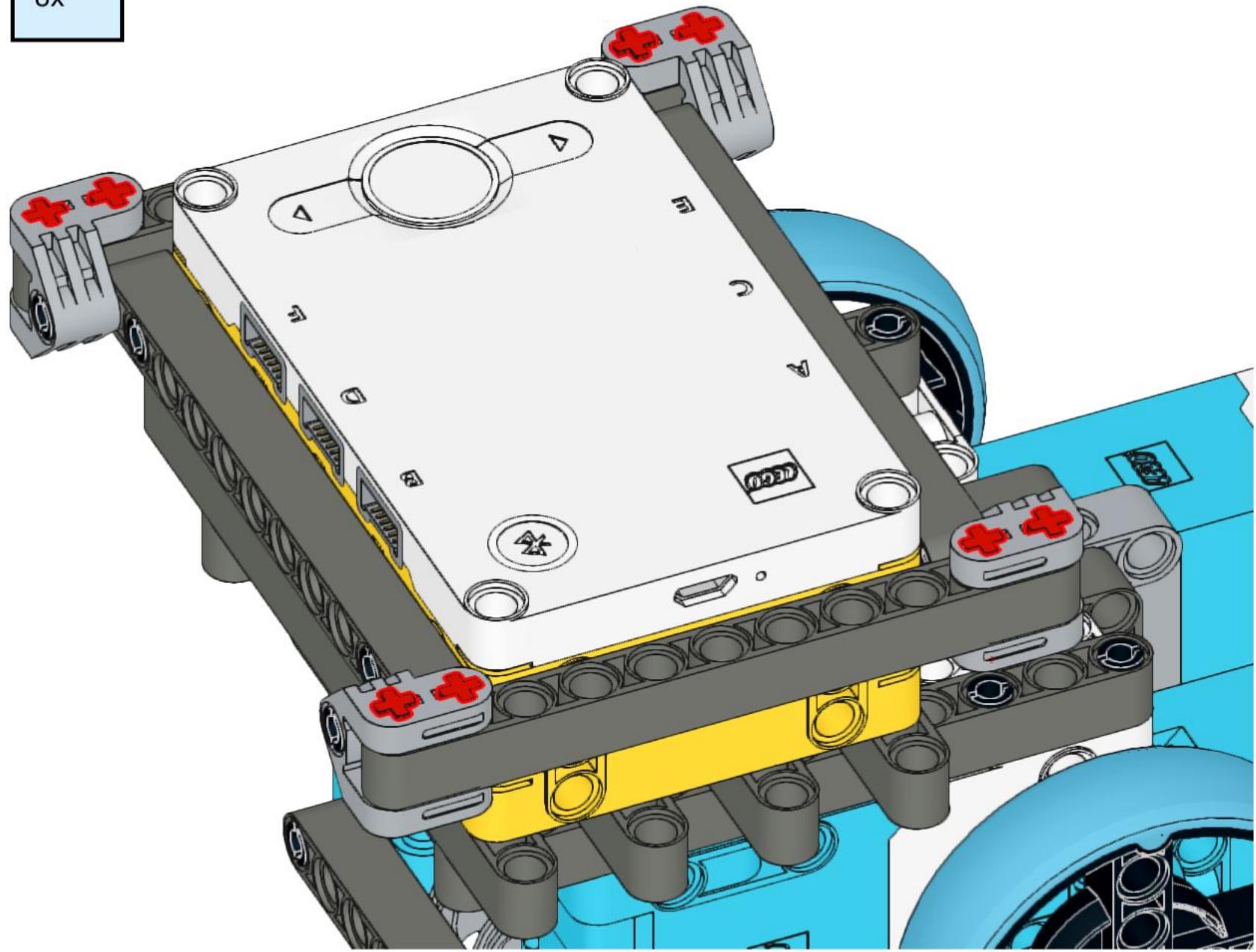
30



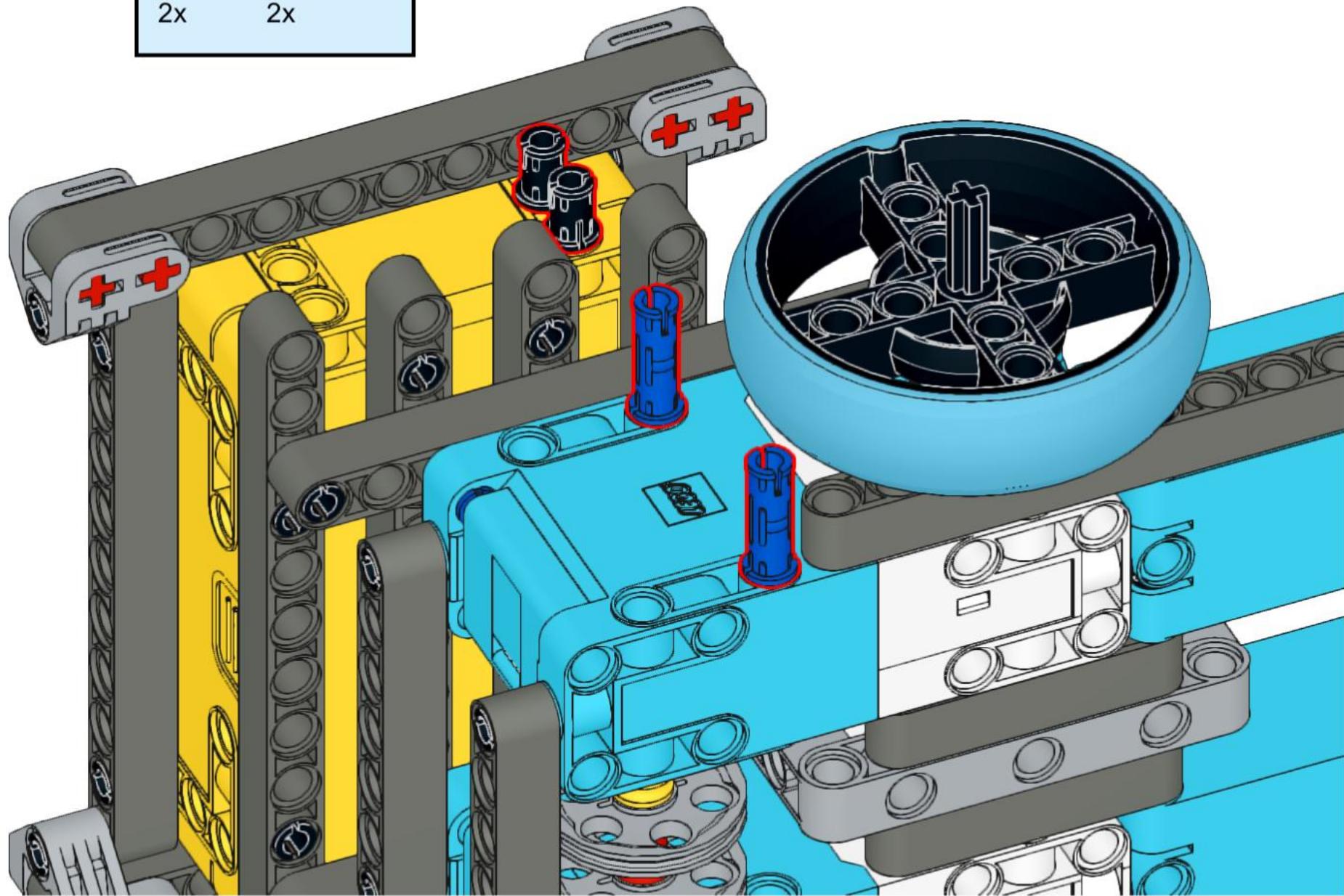
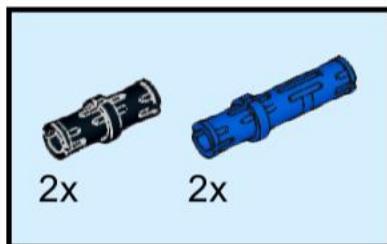
31



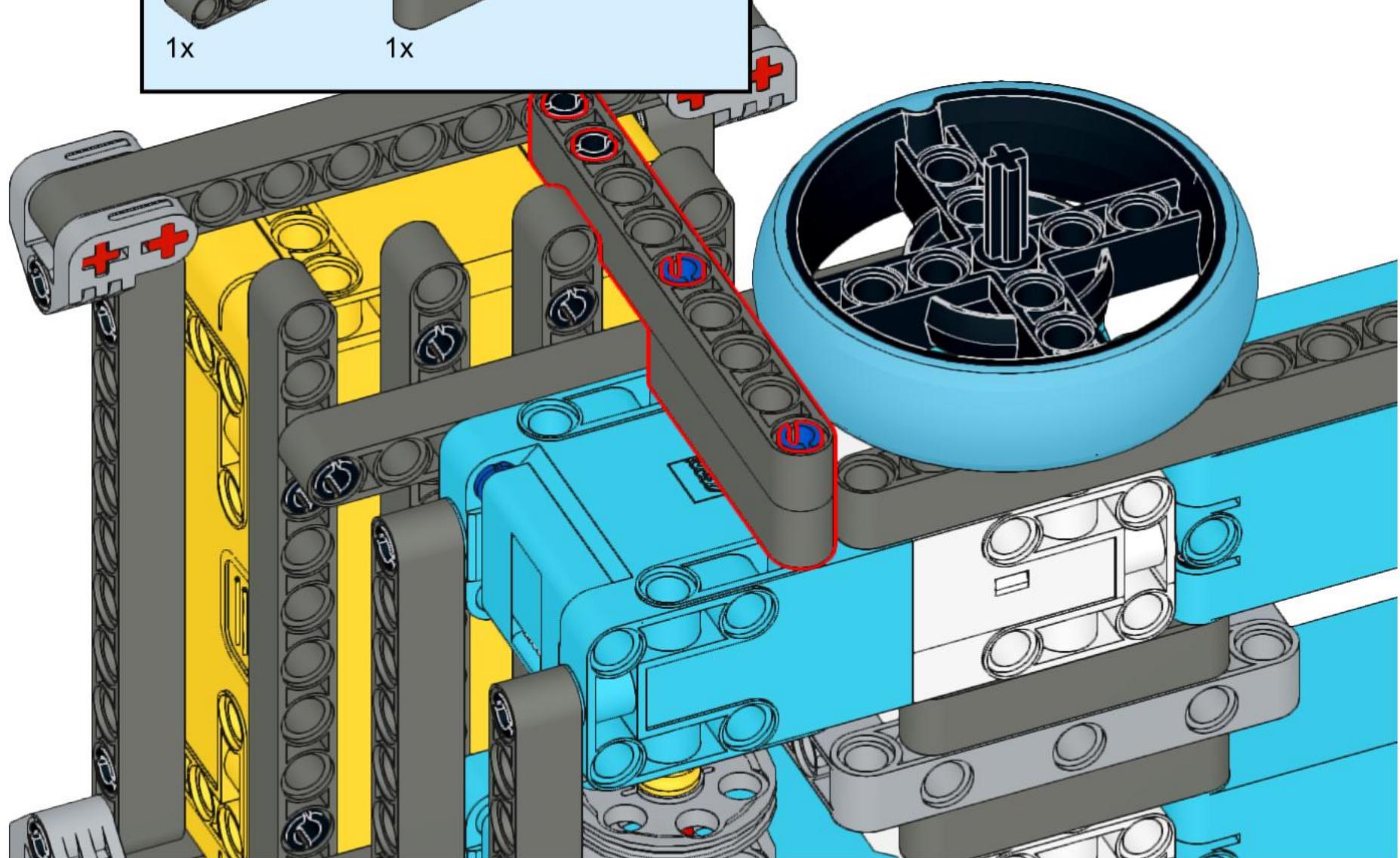
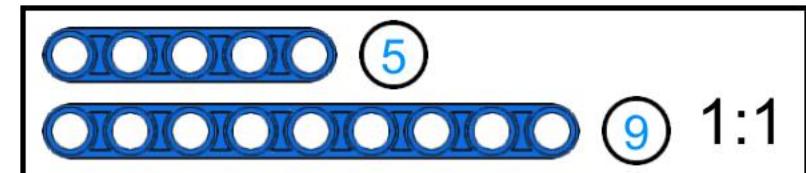
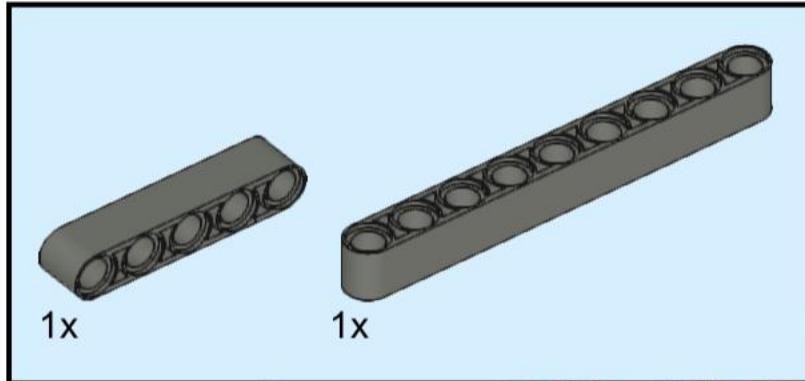
32



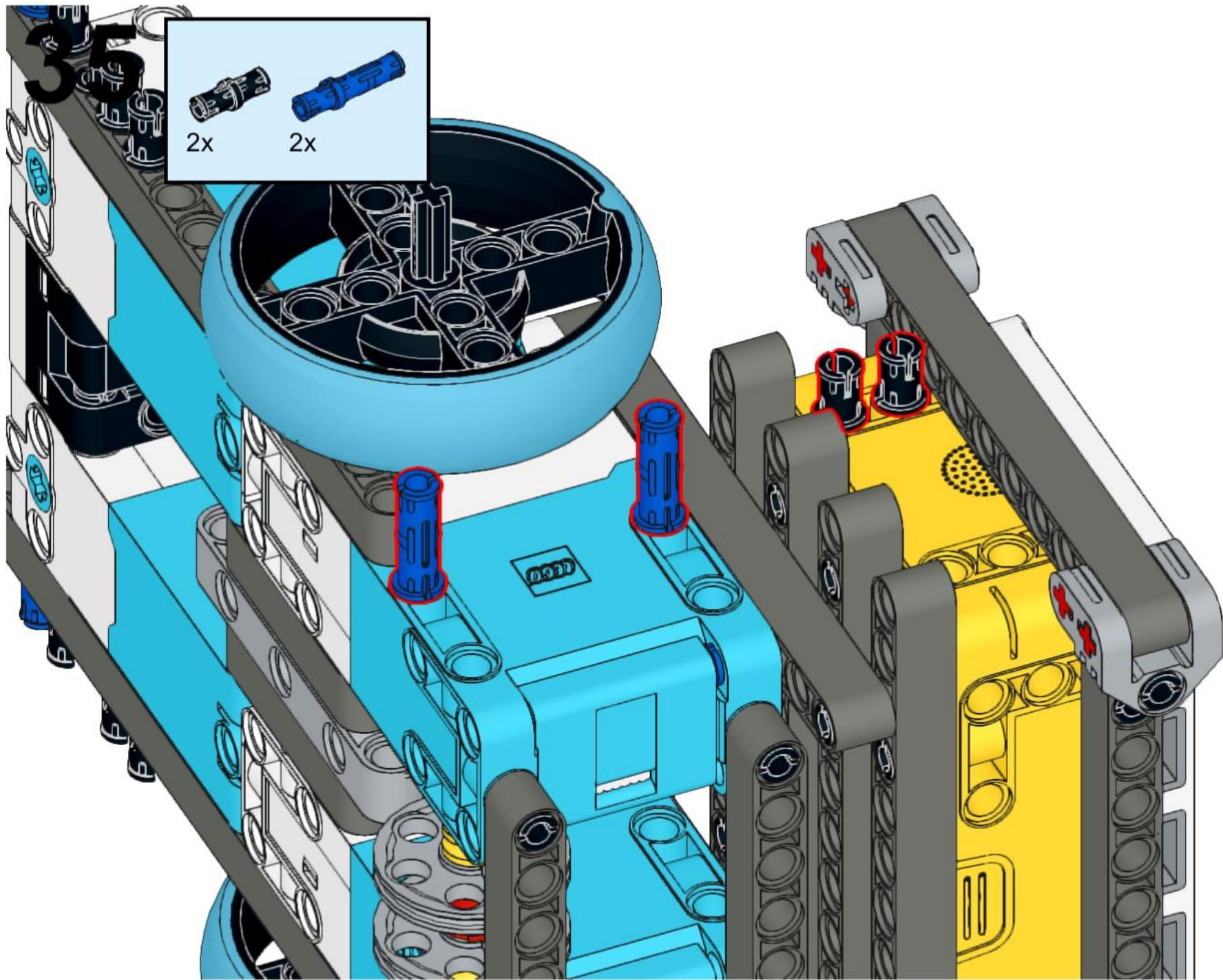
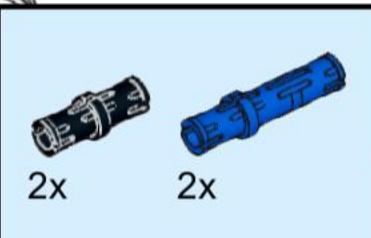
33



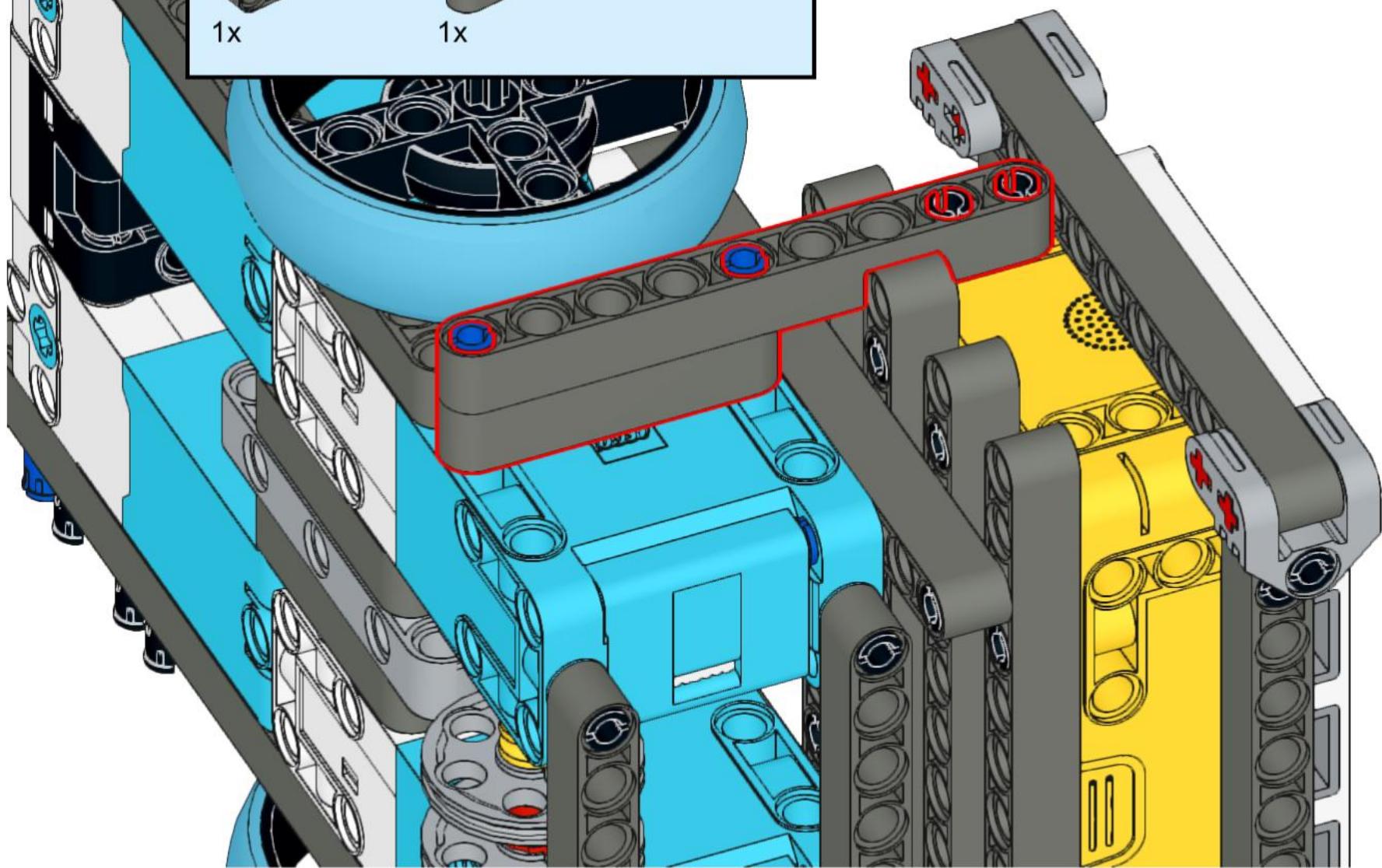
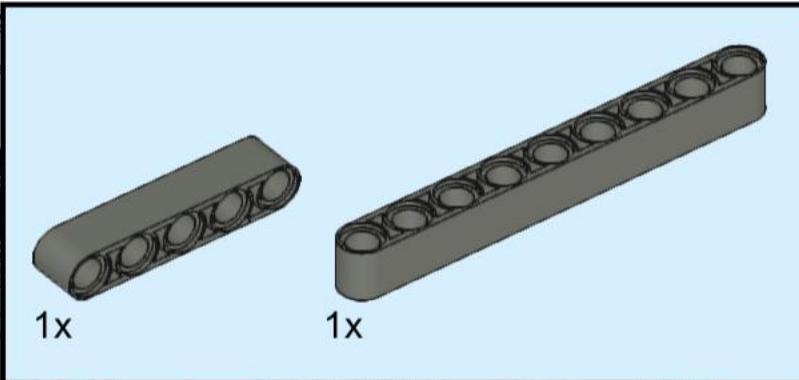
34



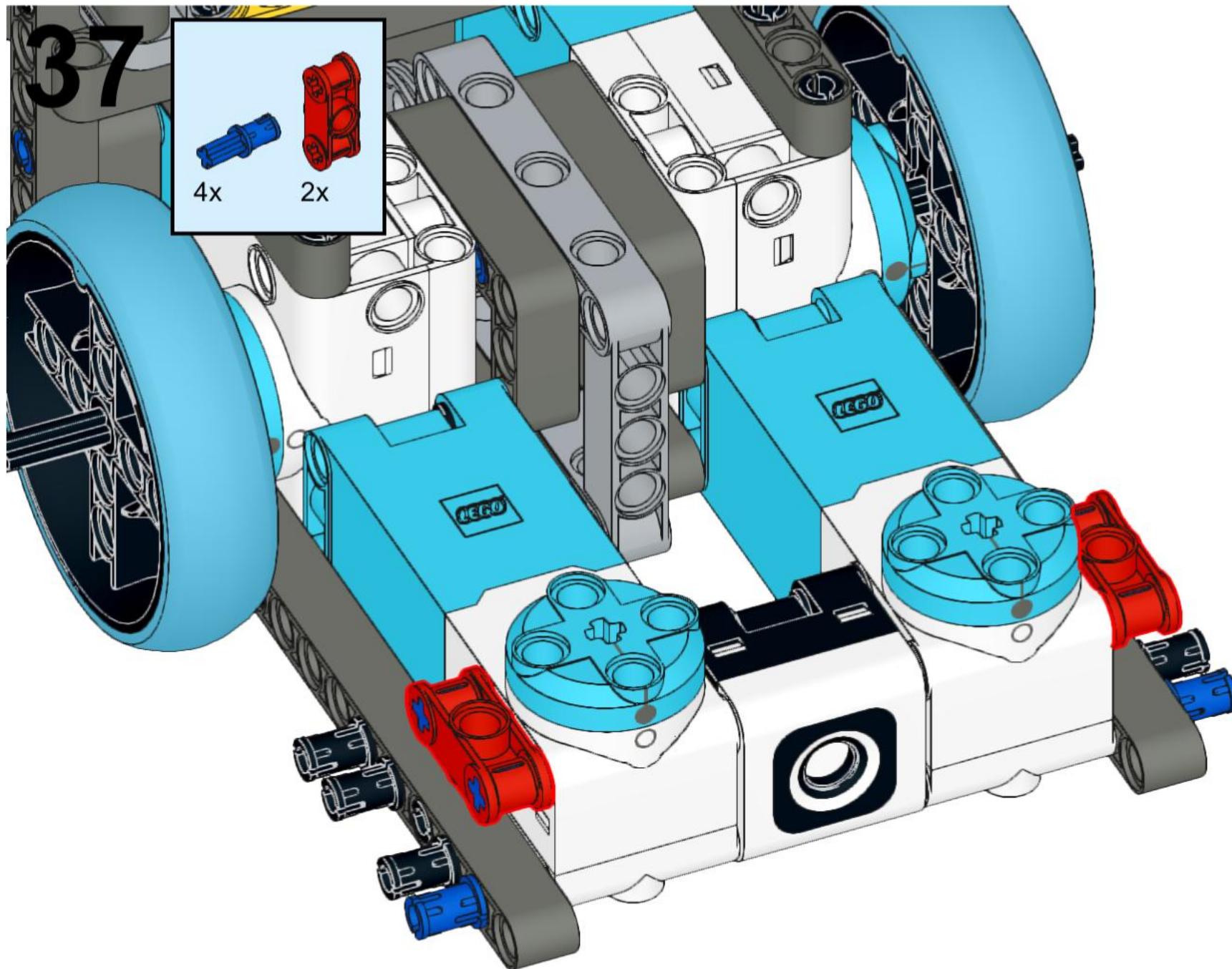
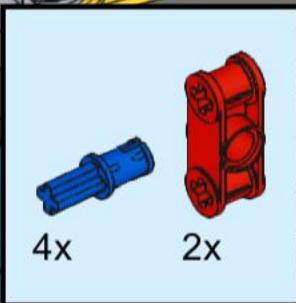
35



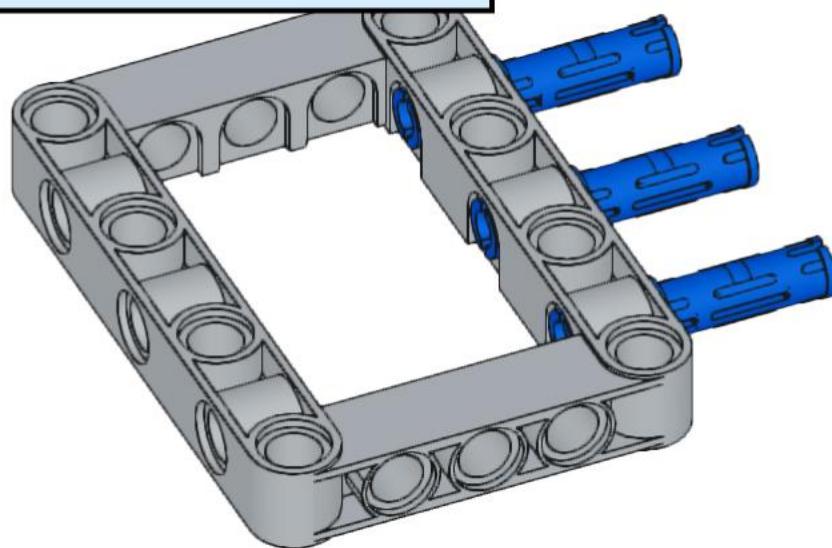
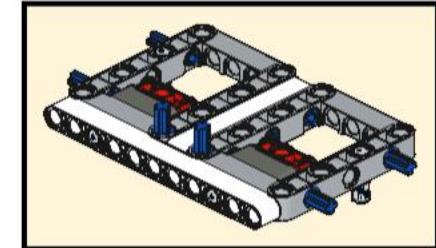
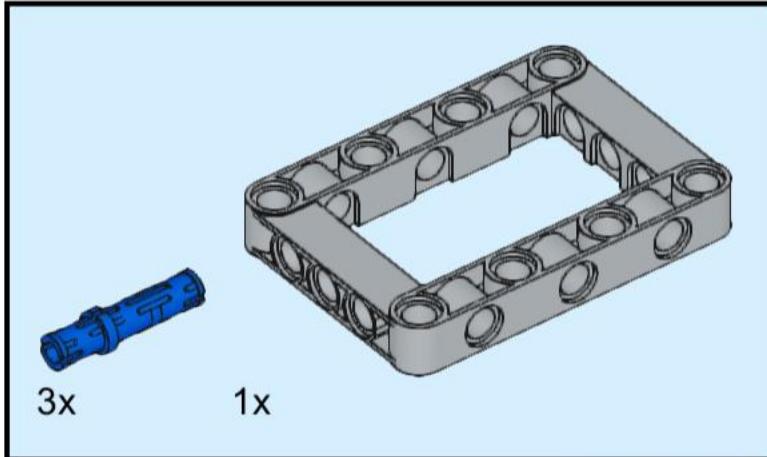
36



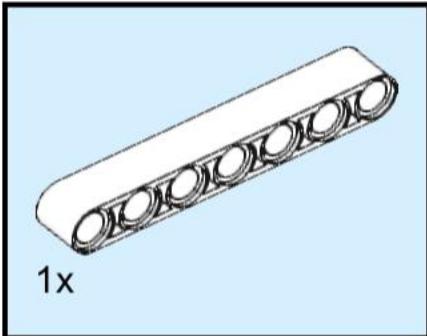
37



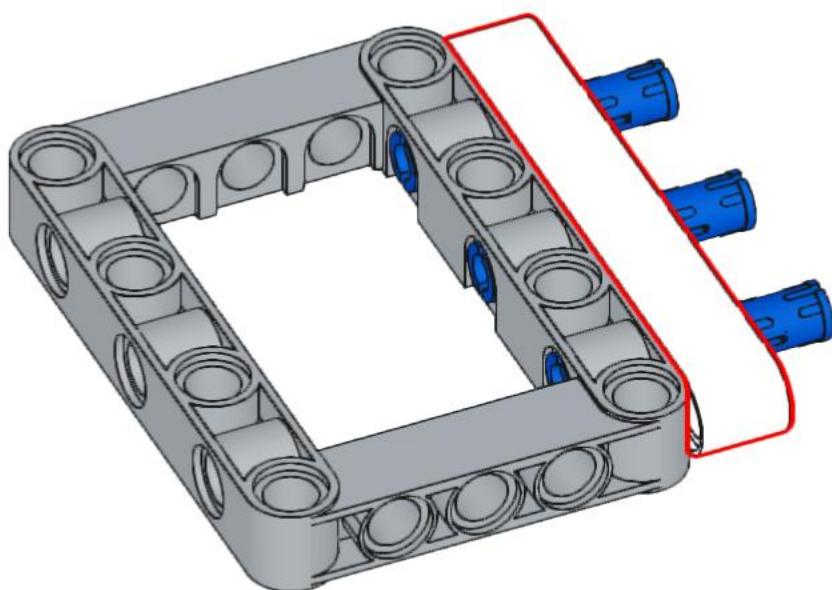
38



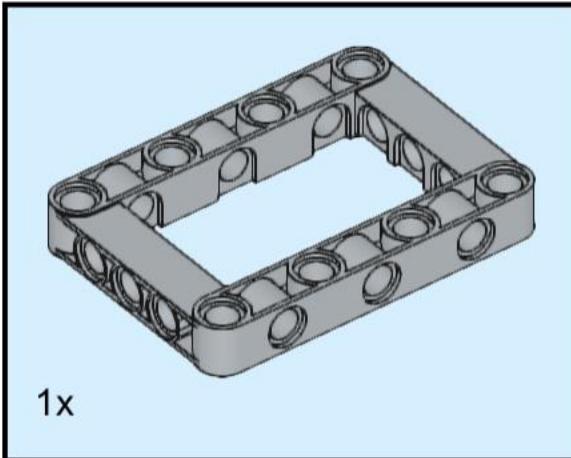
39



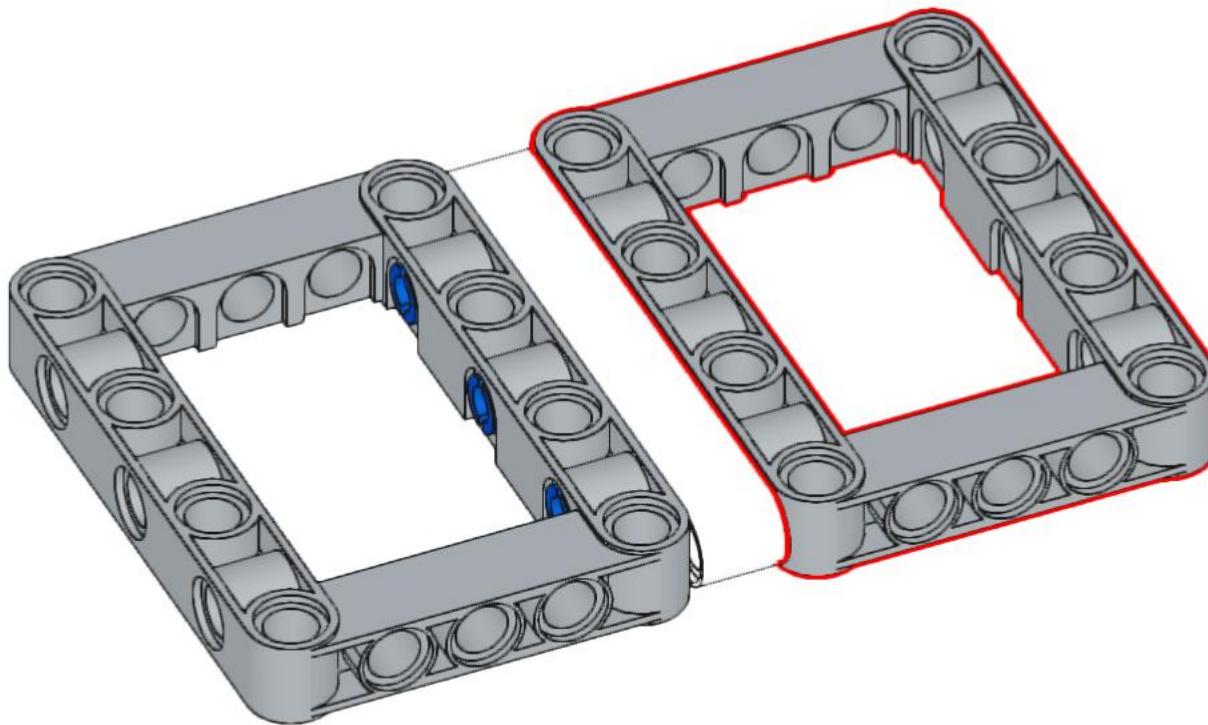
1x



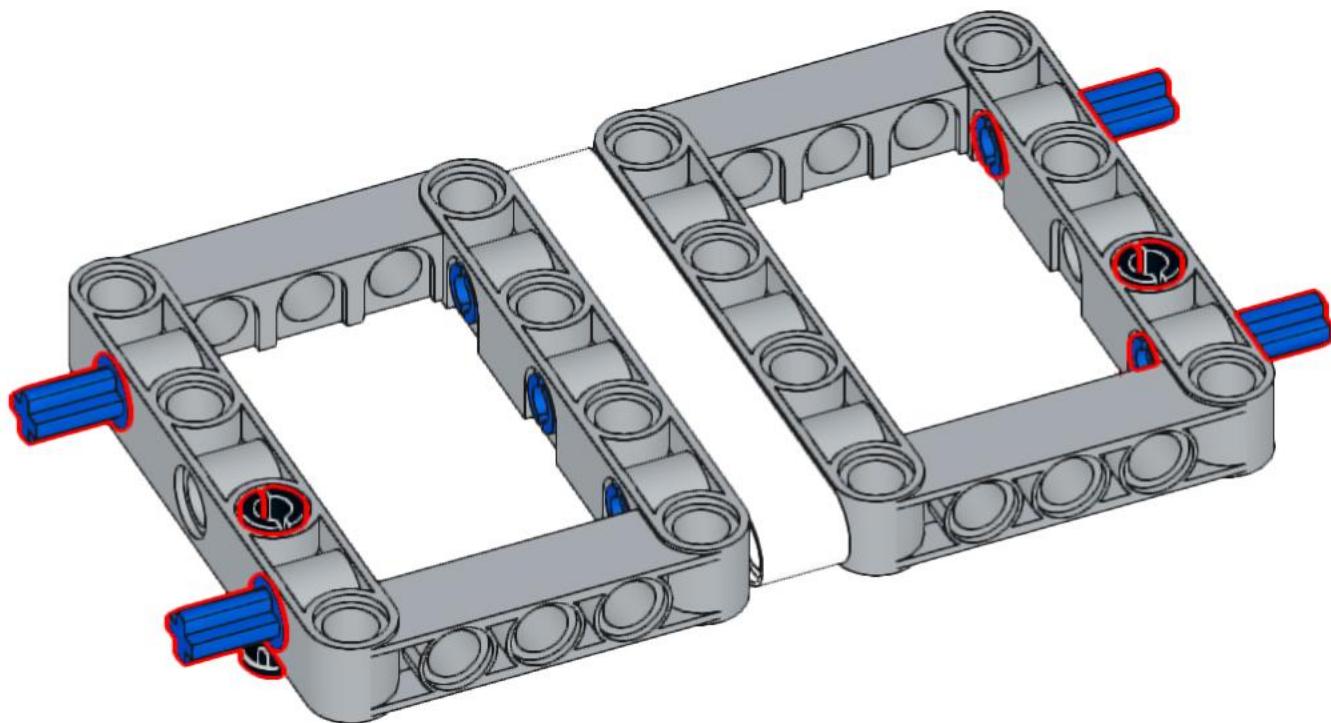
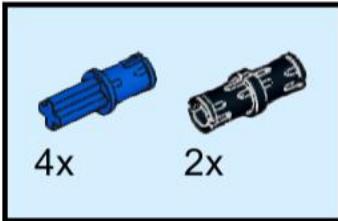
40



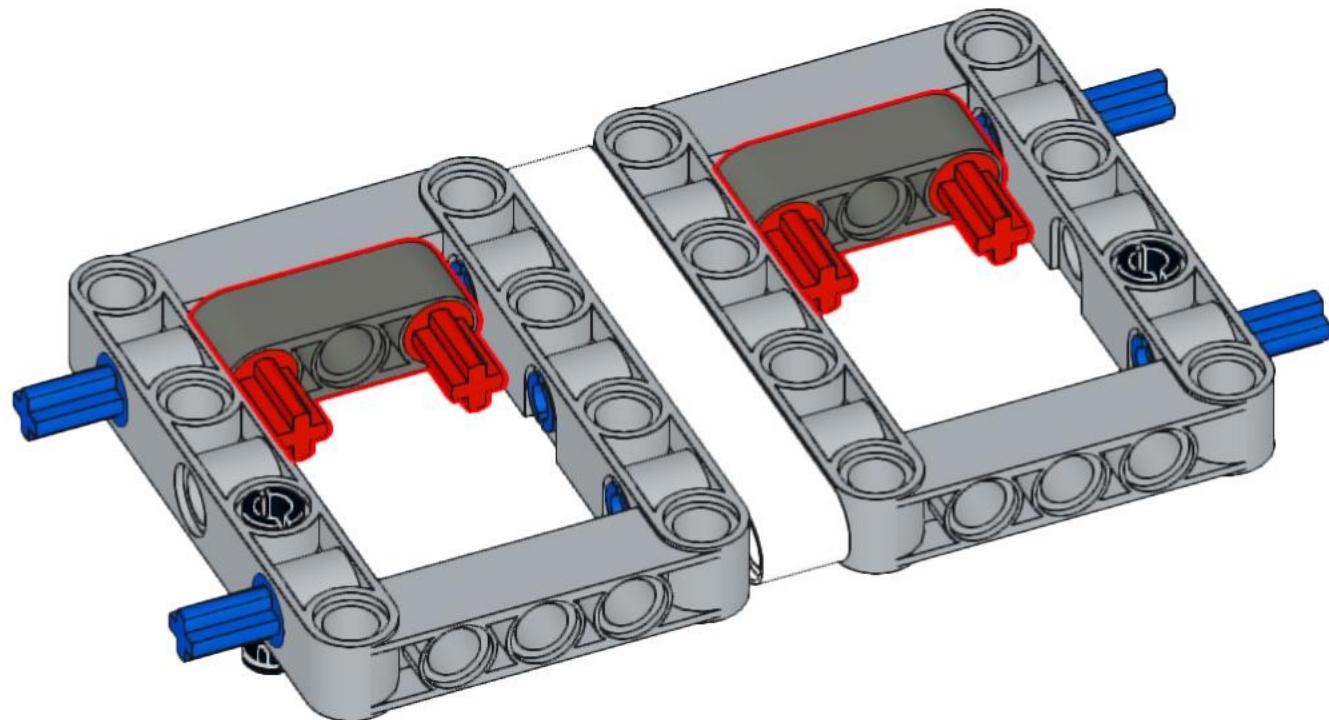
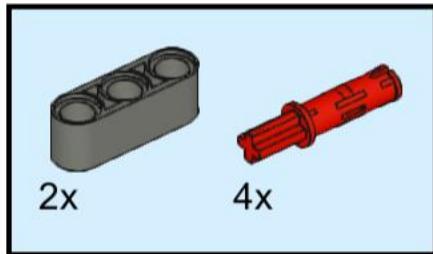
1x



41



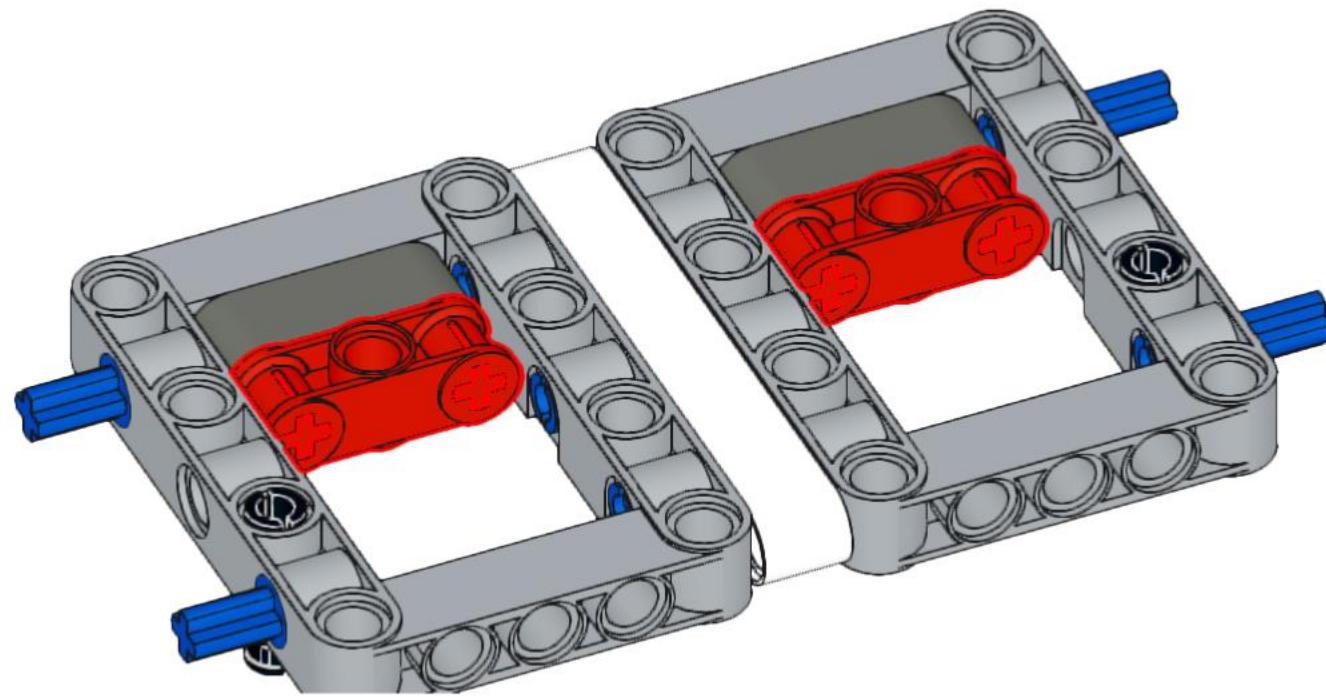
42



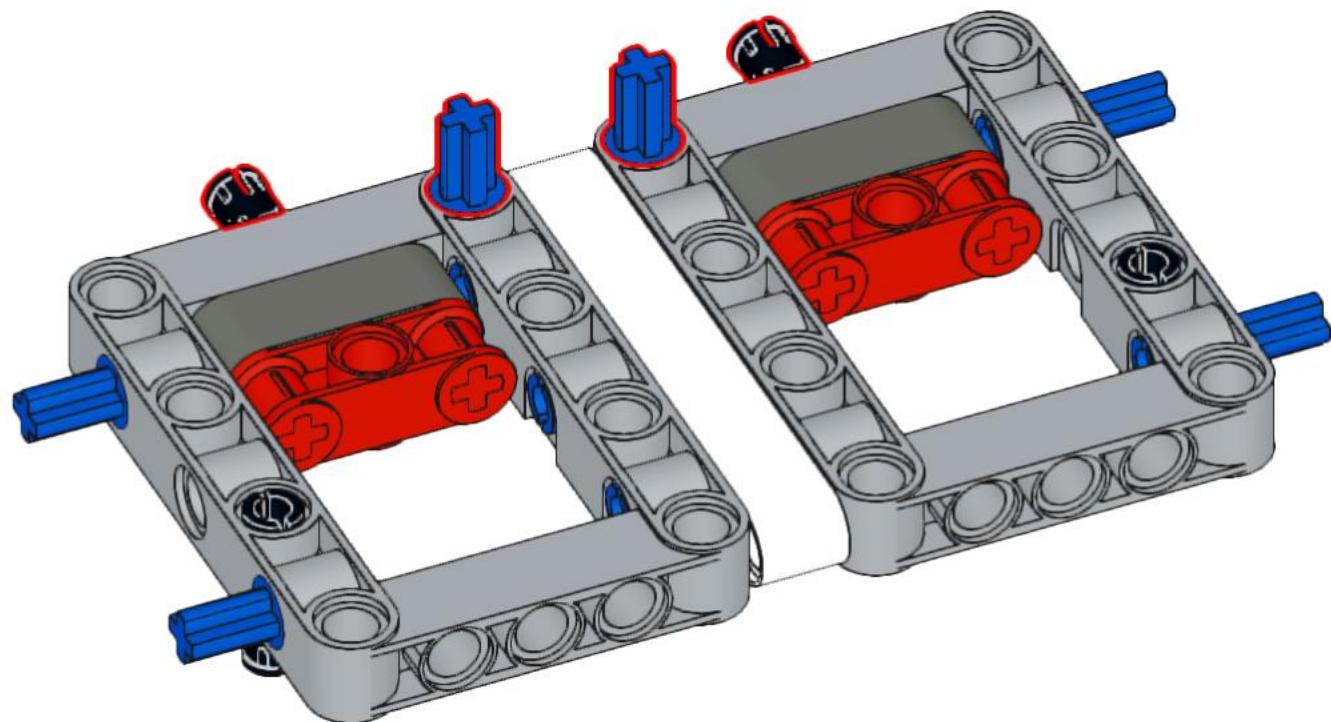
43



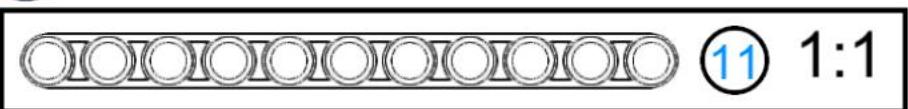
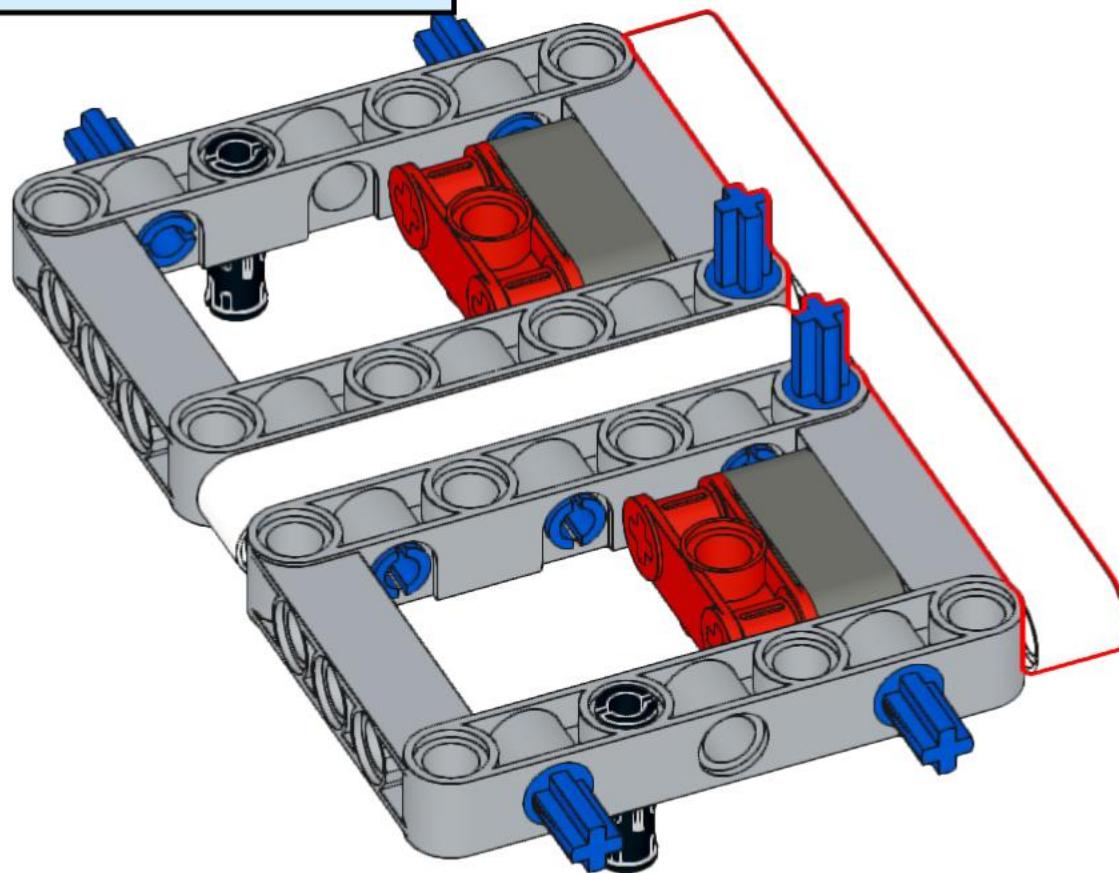
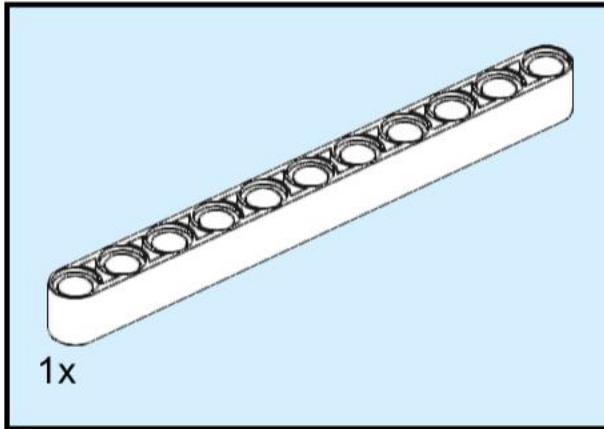
2x



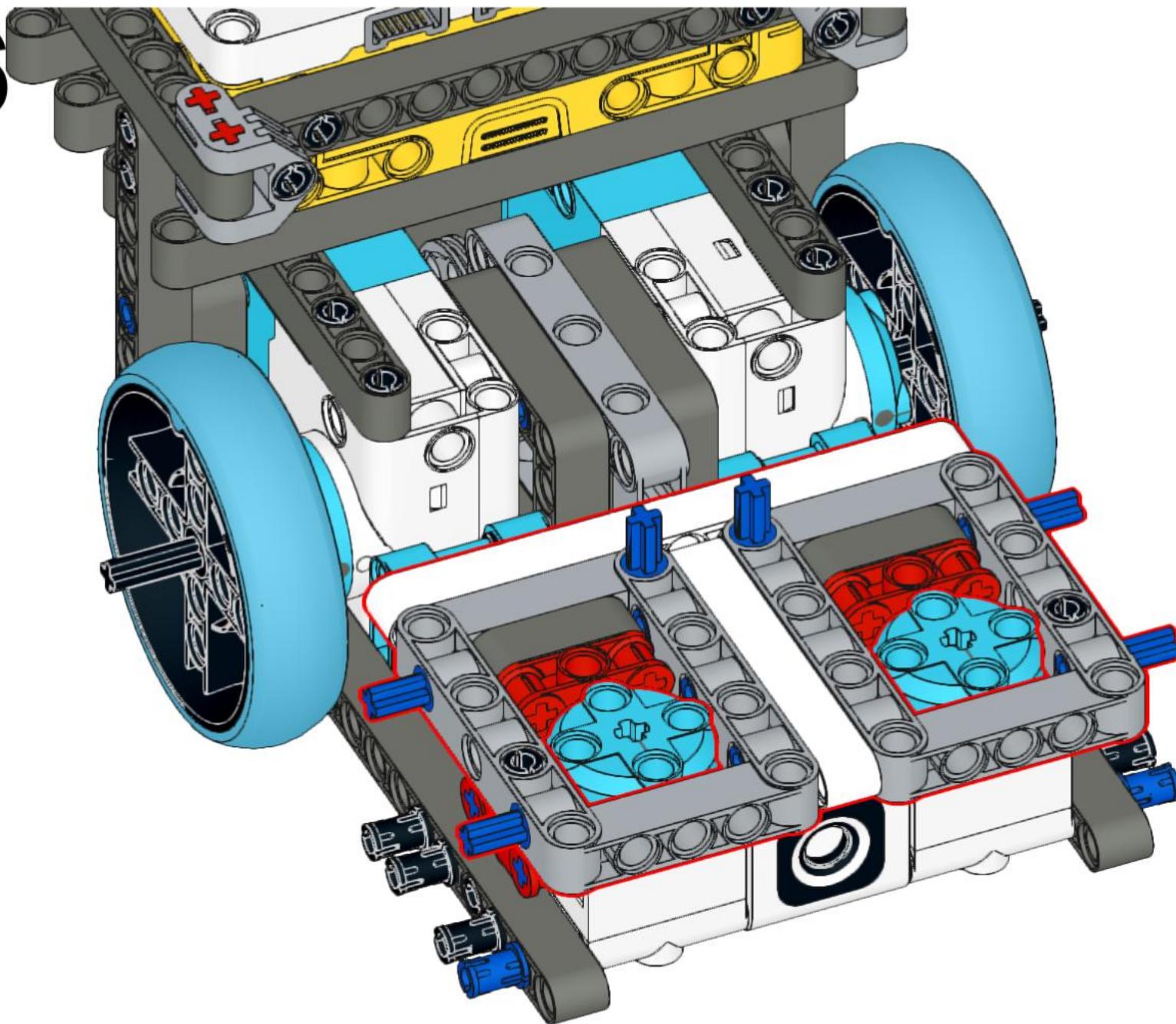
44



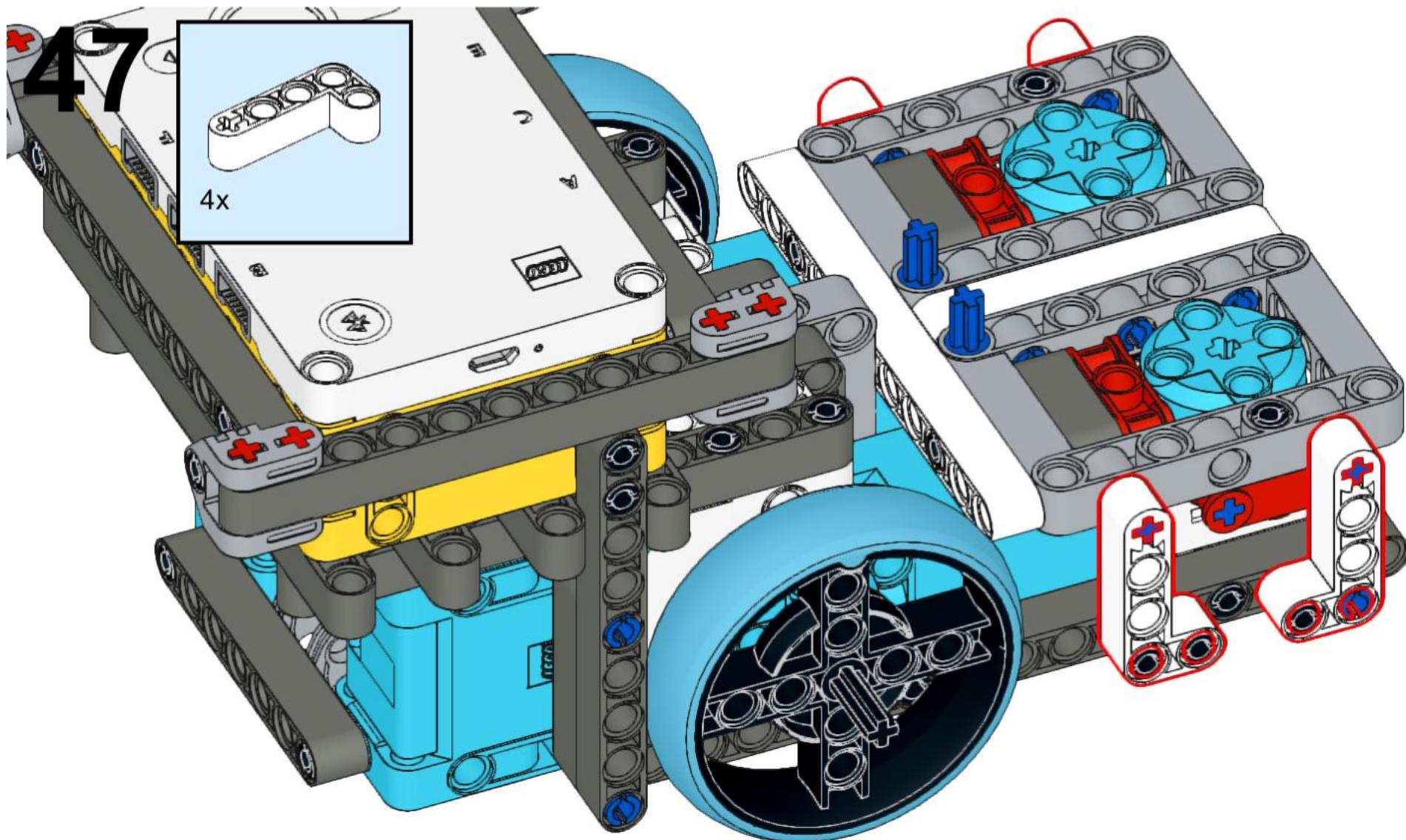
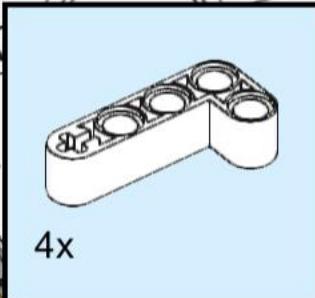
45



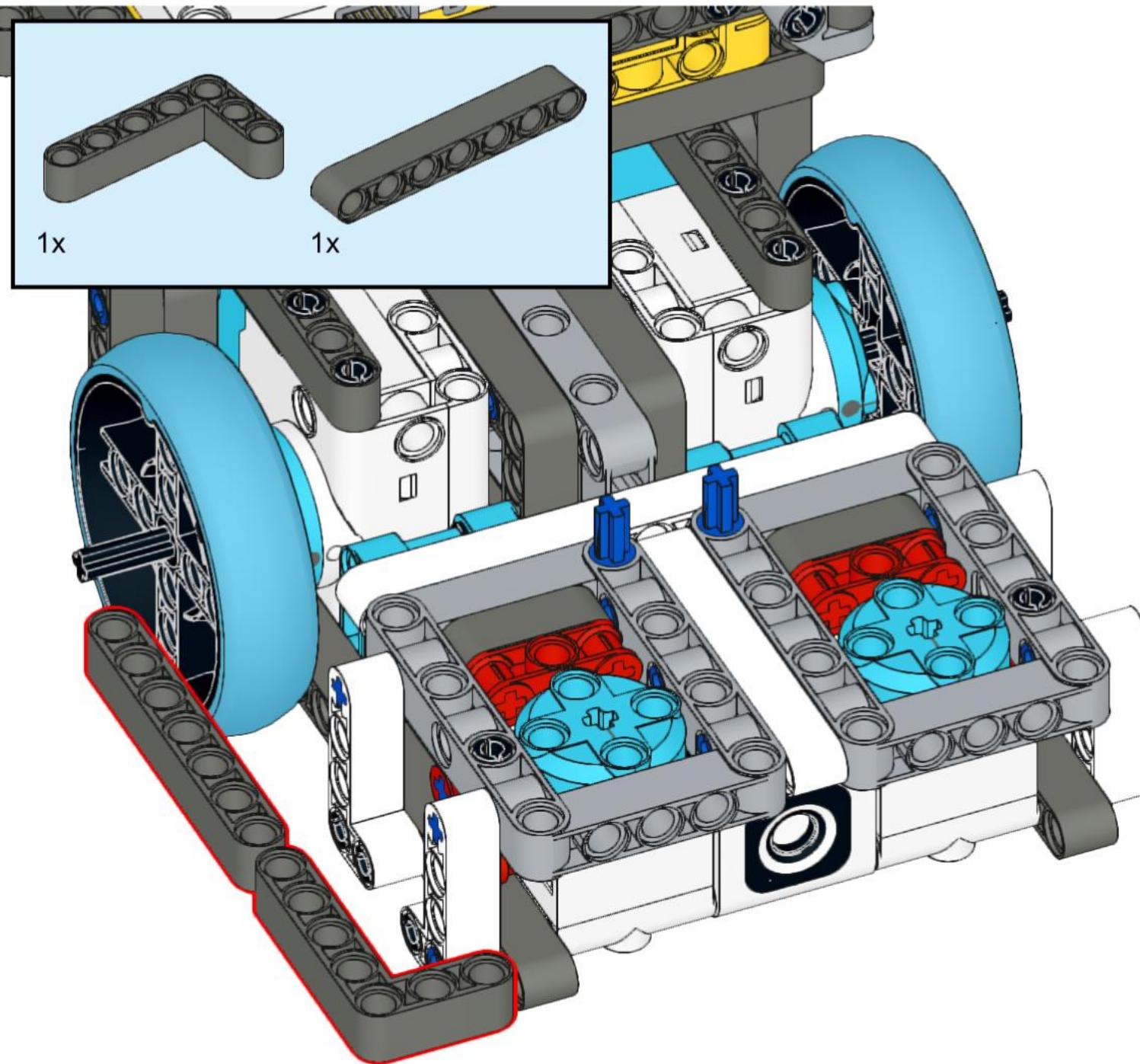
46



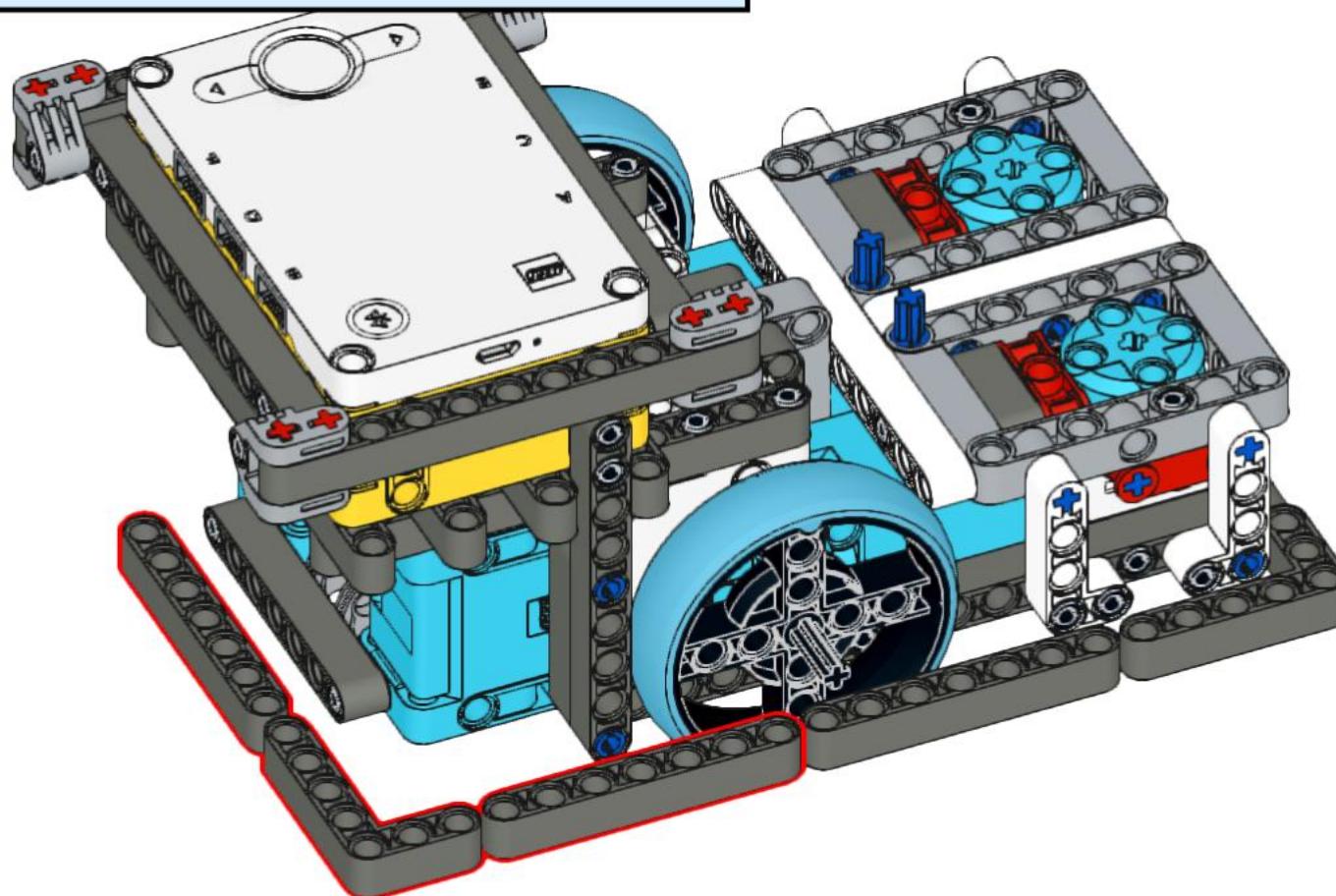
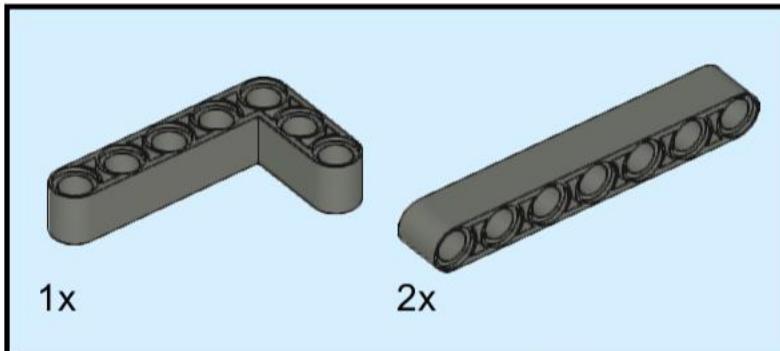
47



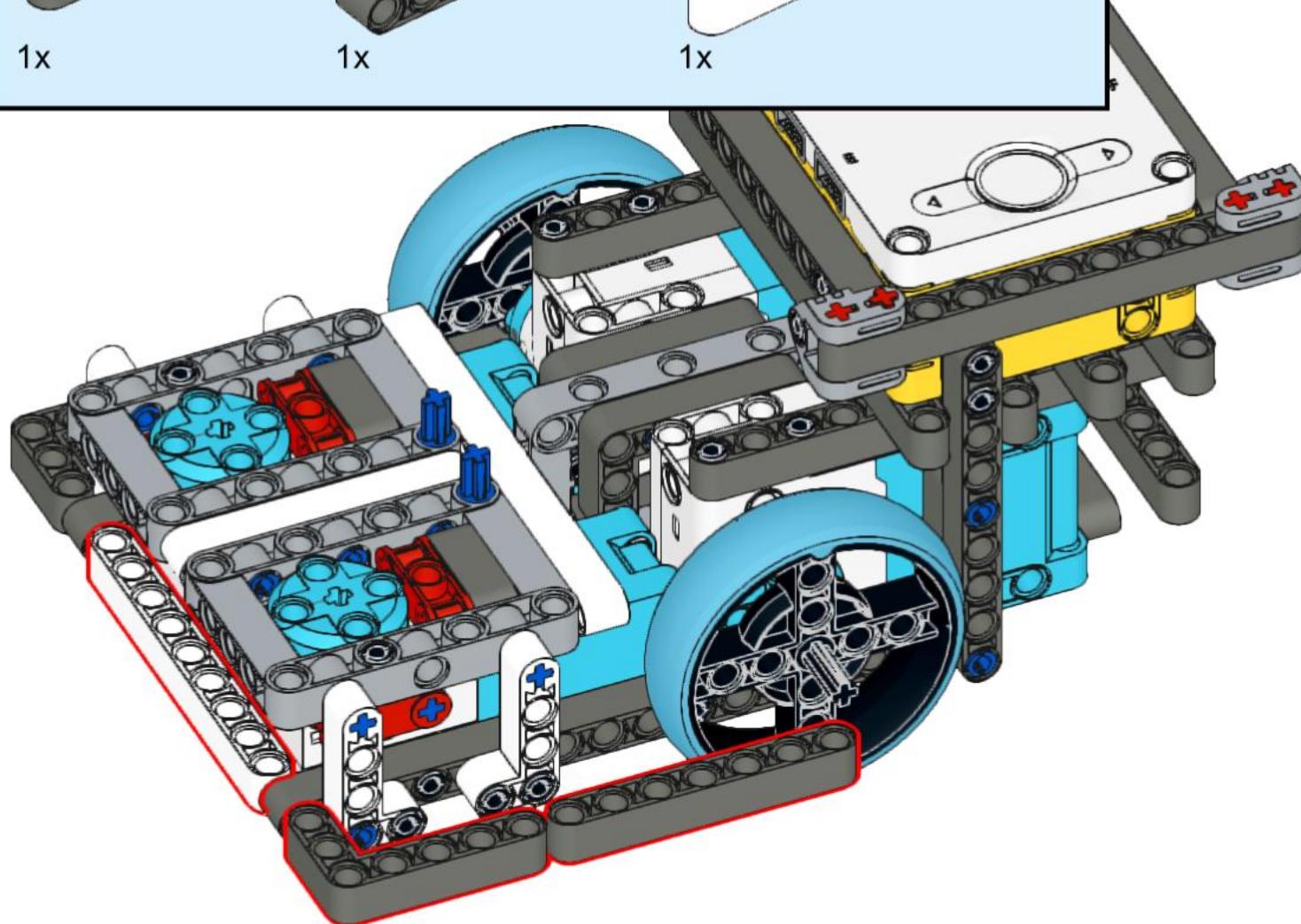
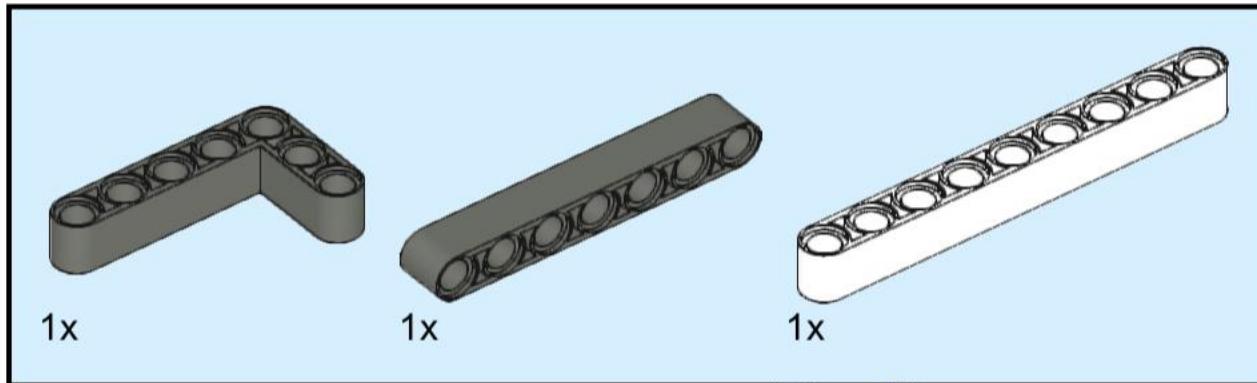
48



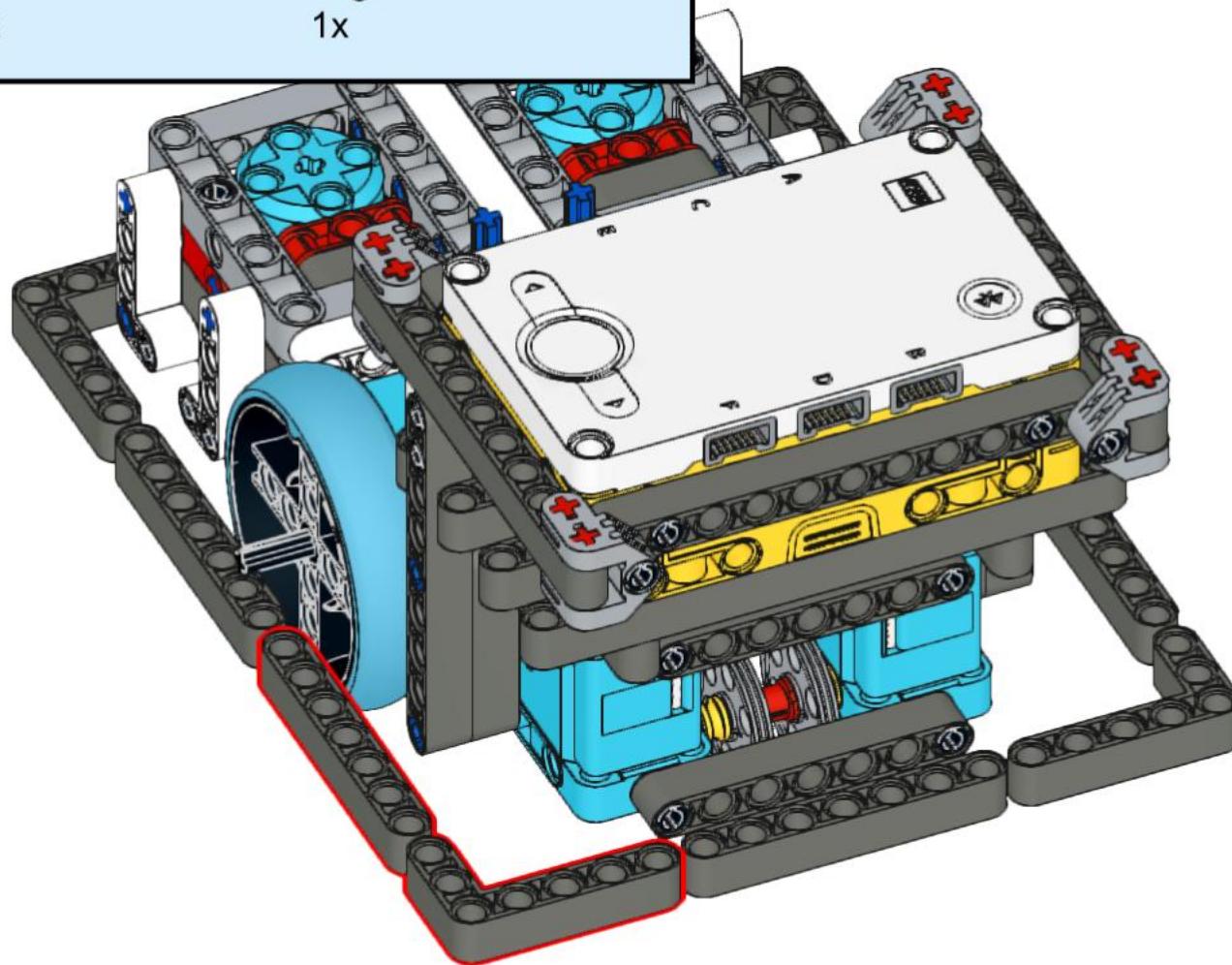
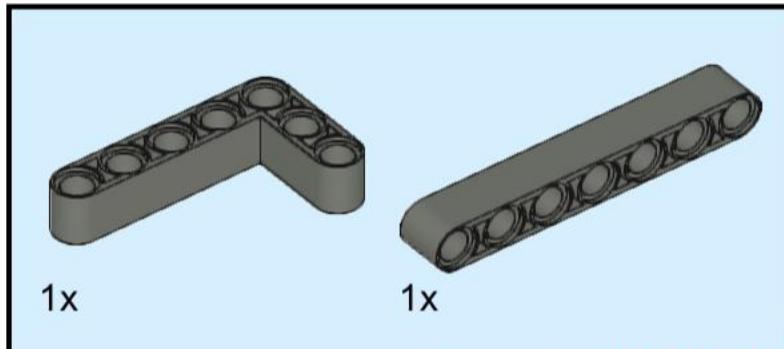
49



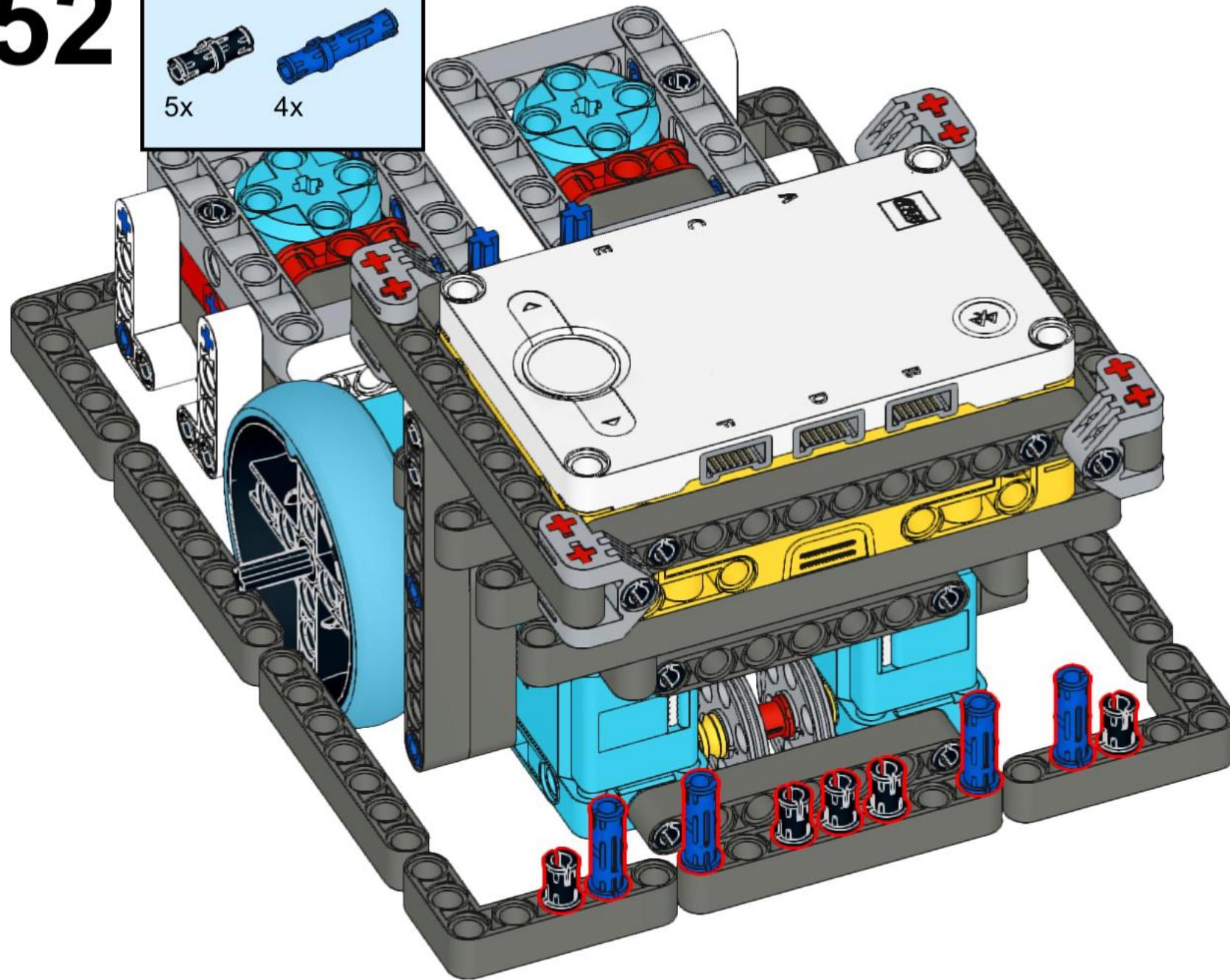
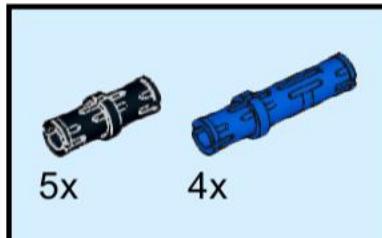
50



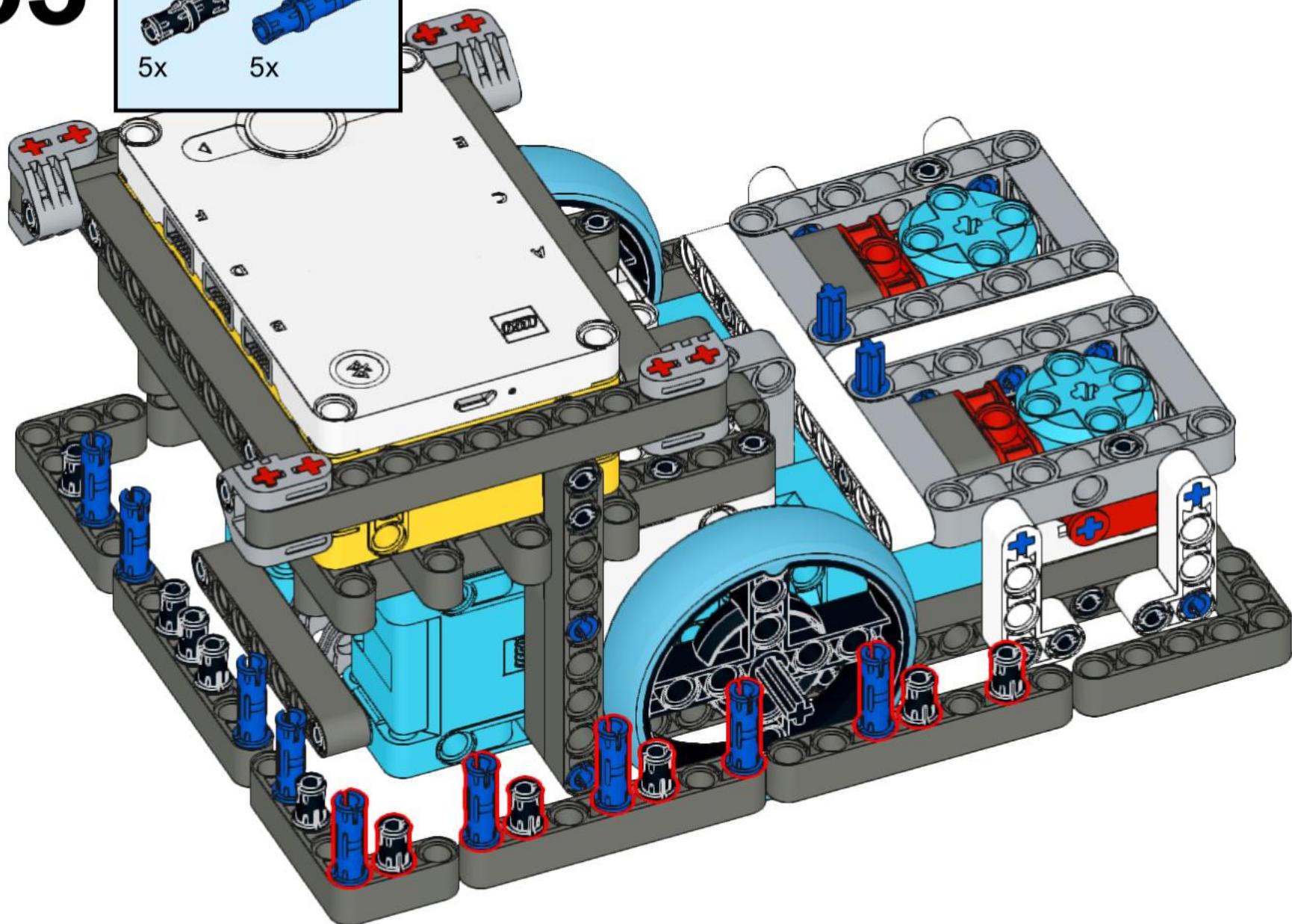
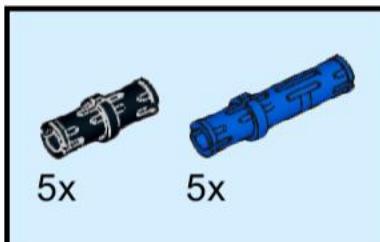
51



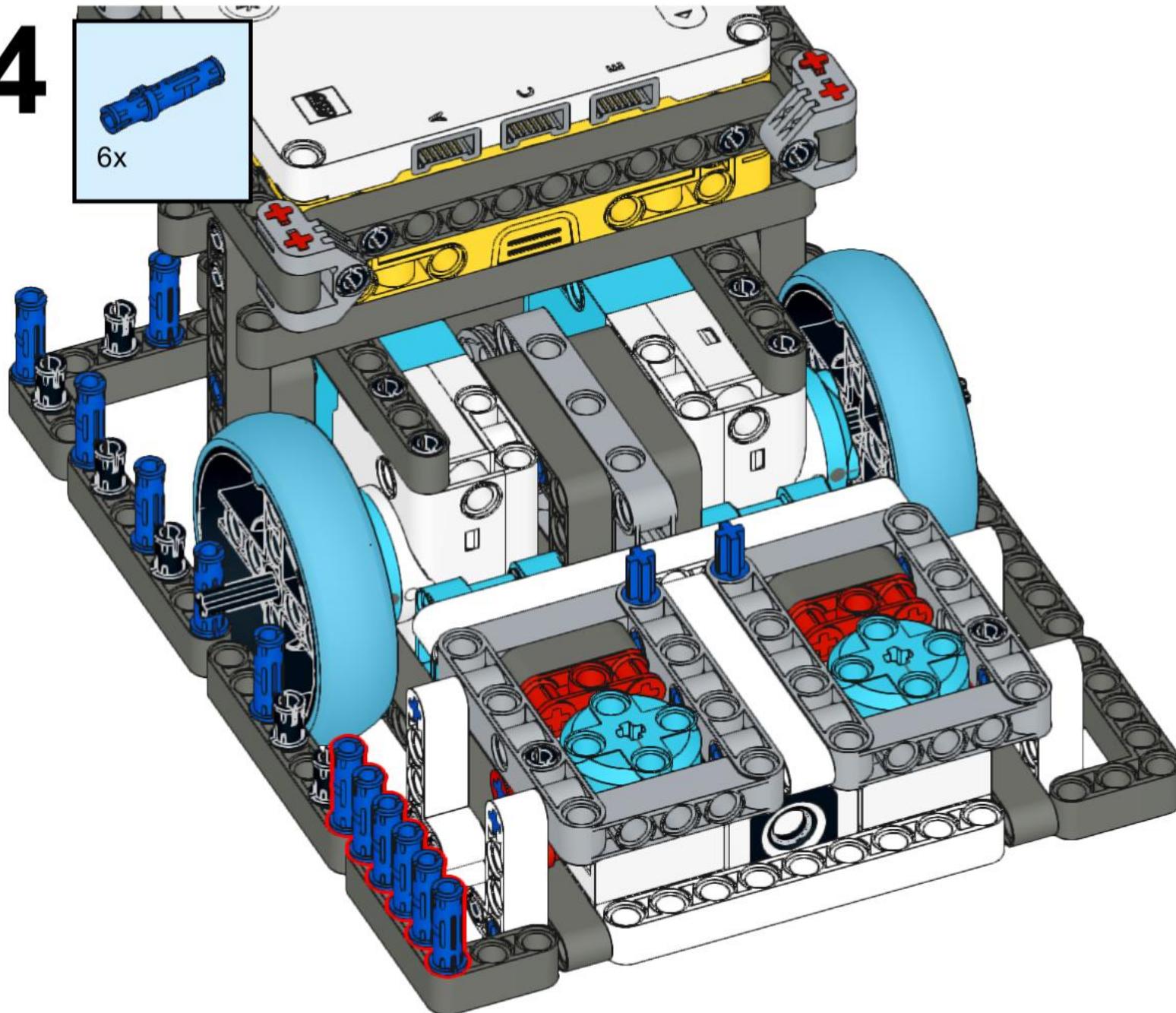
52



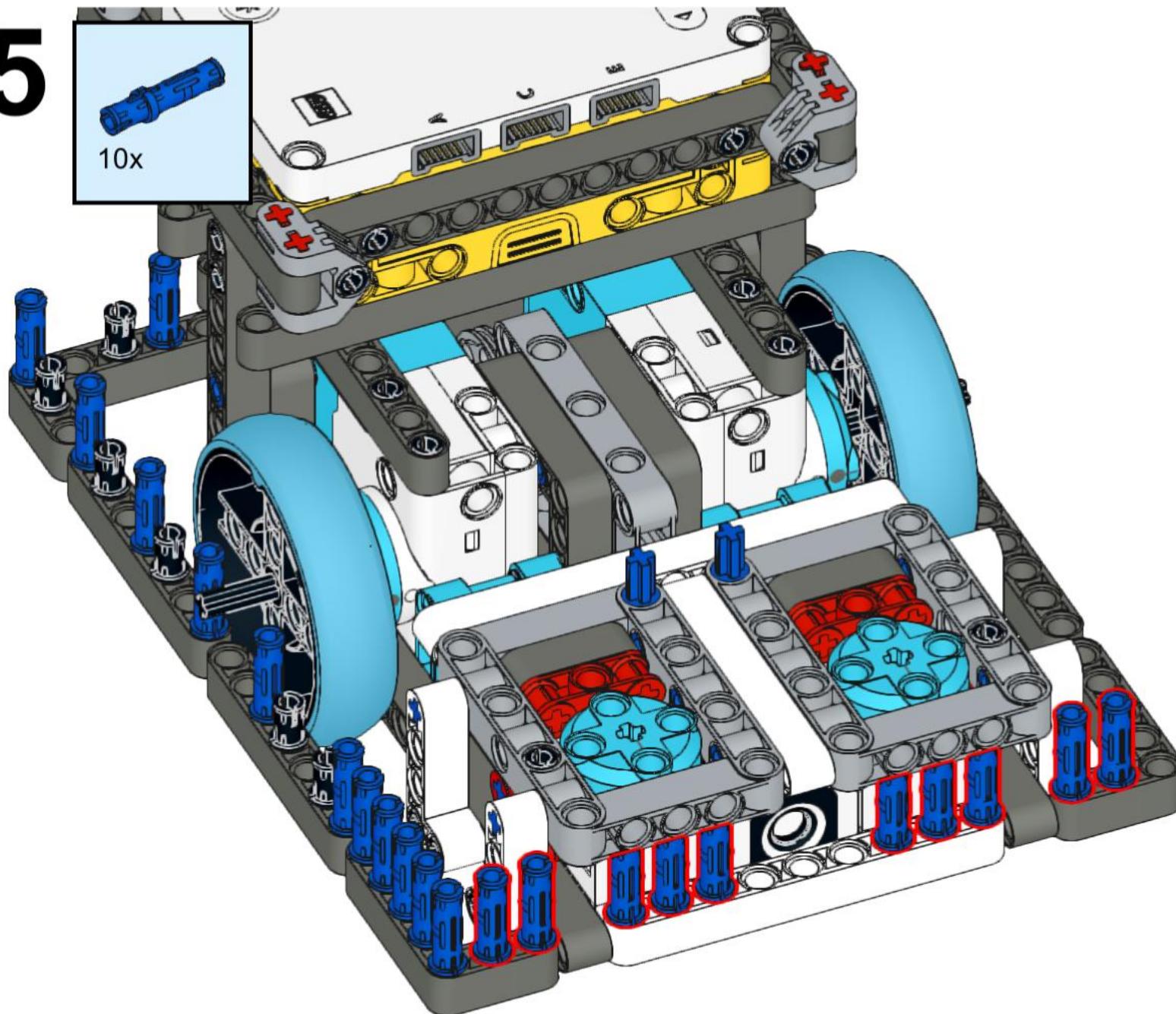
53



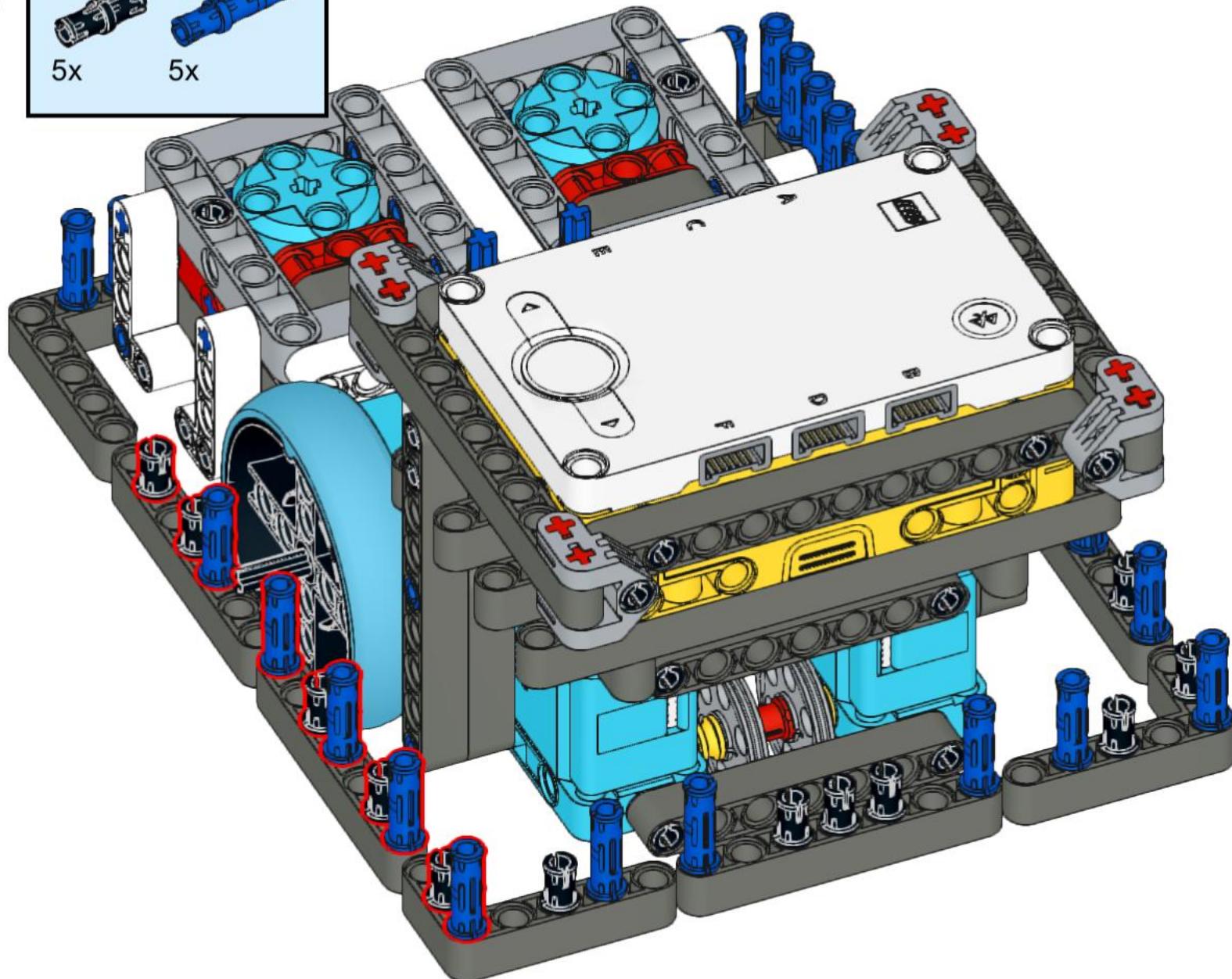
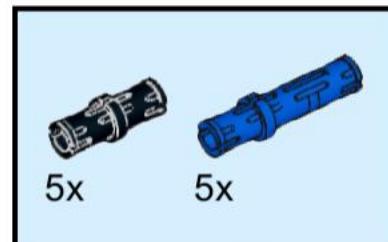
54



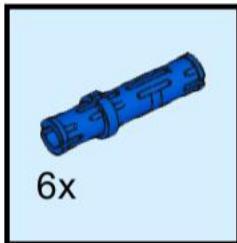
55



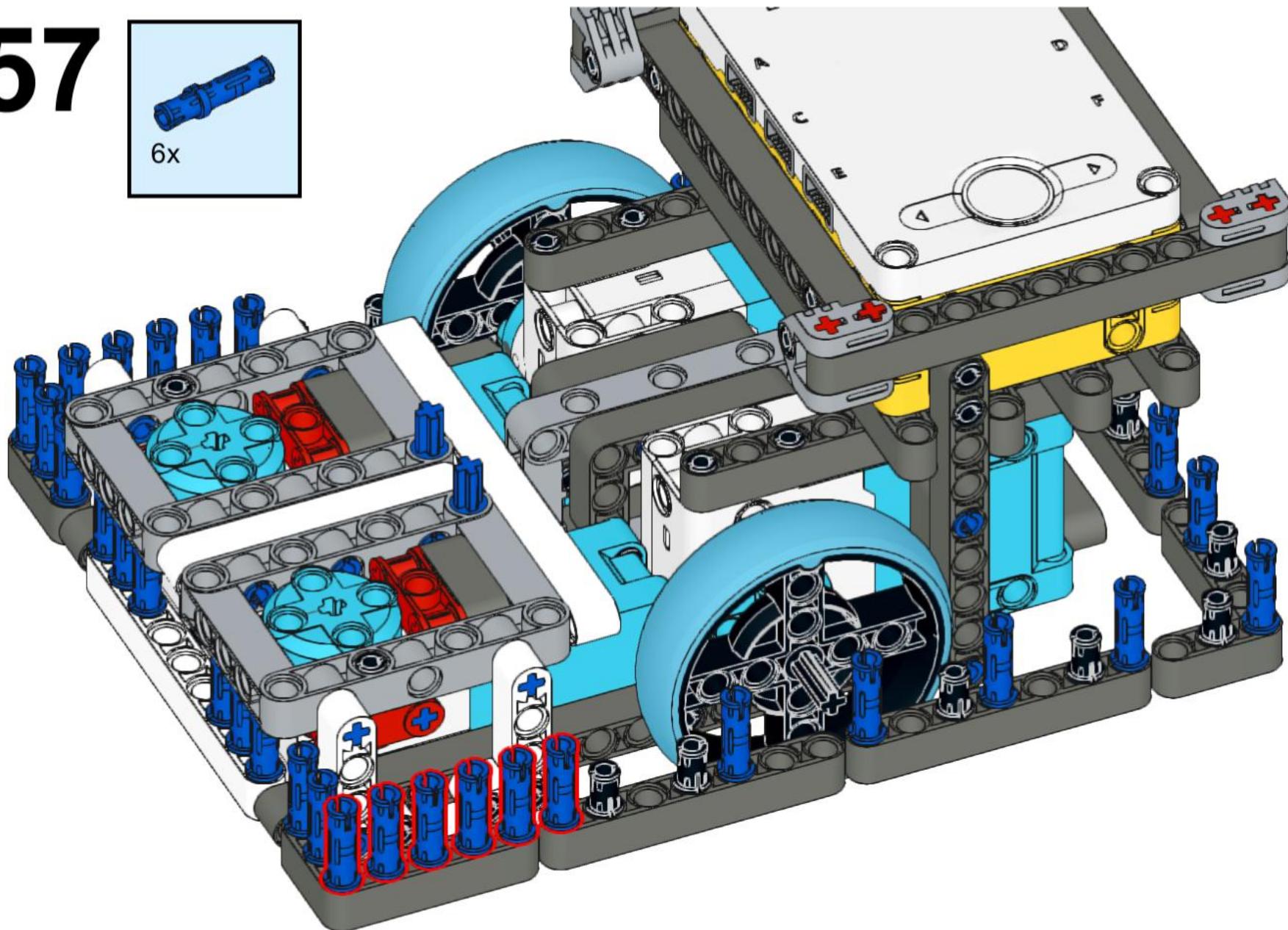
56



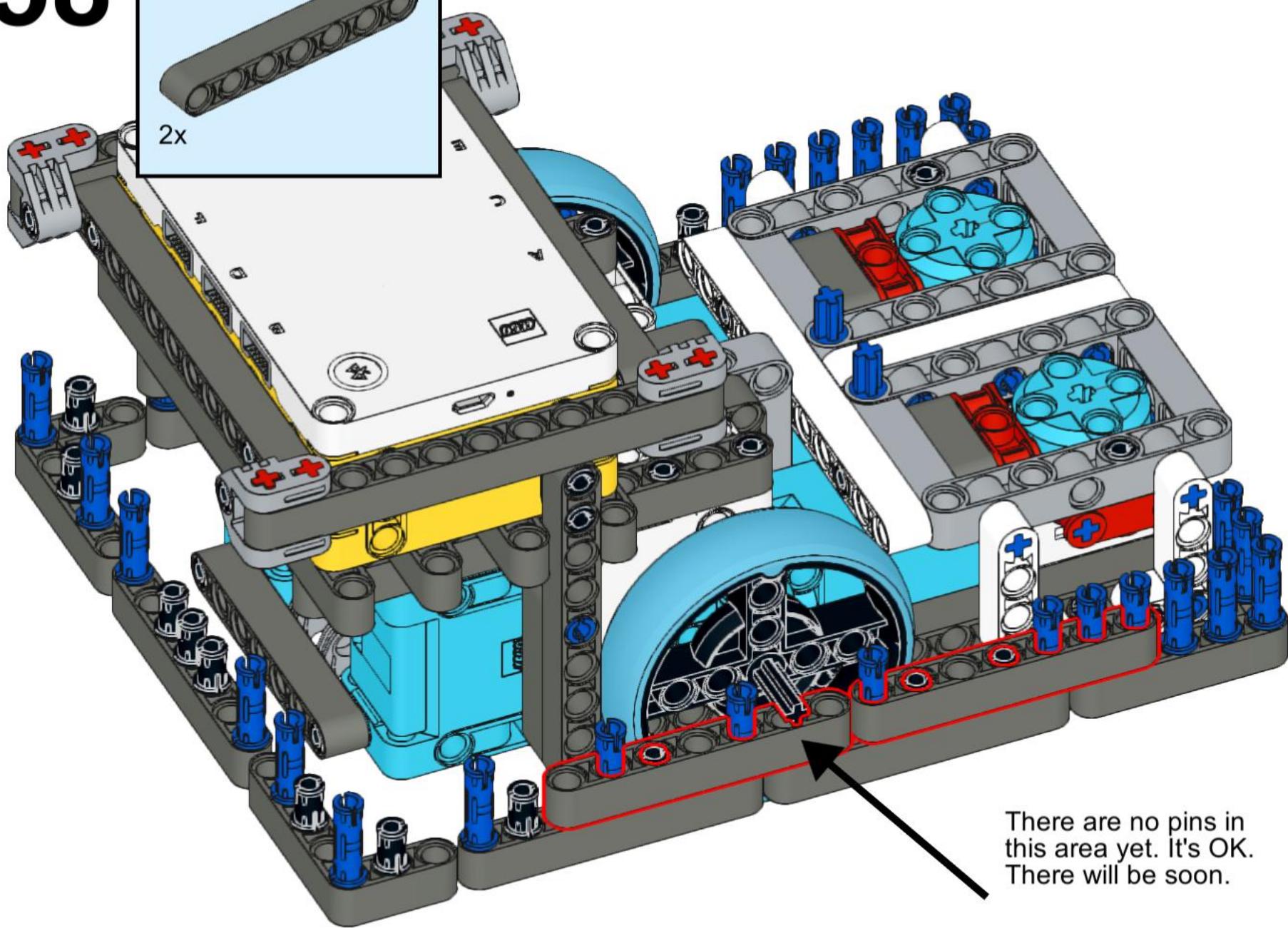
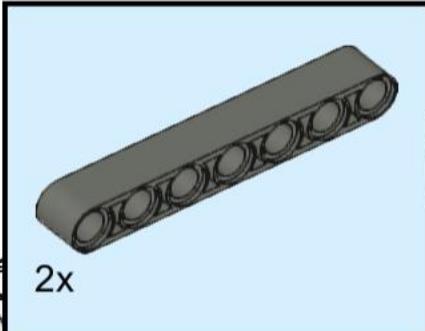
57



6x

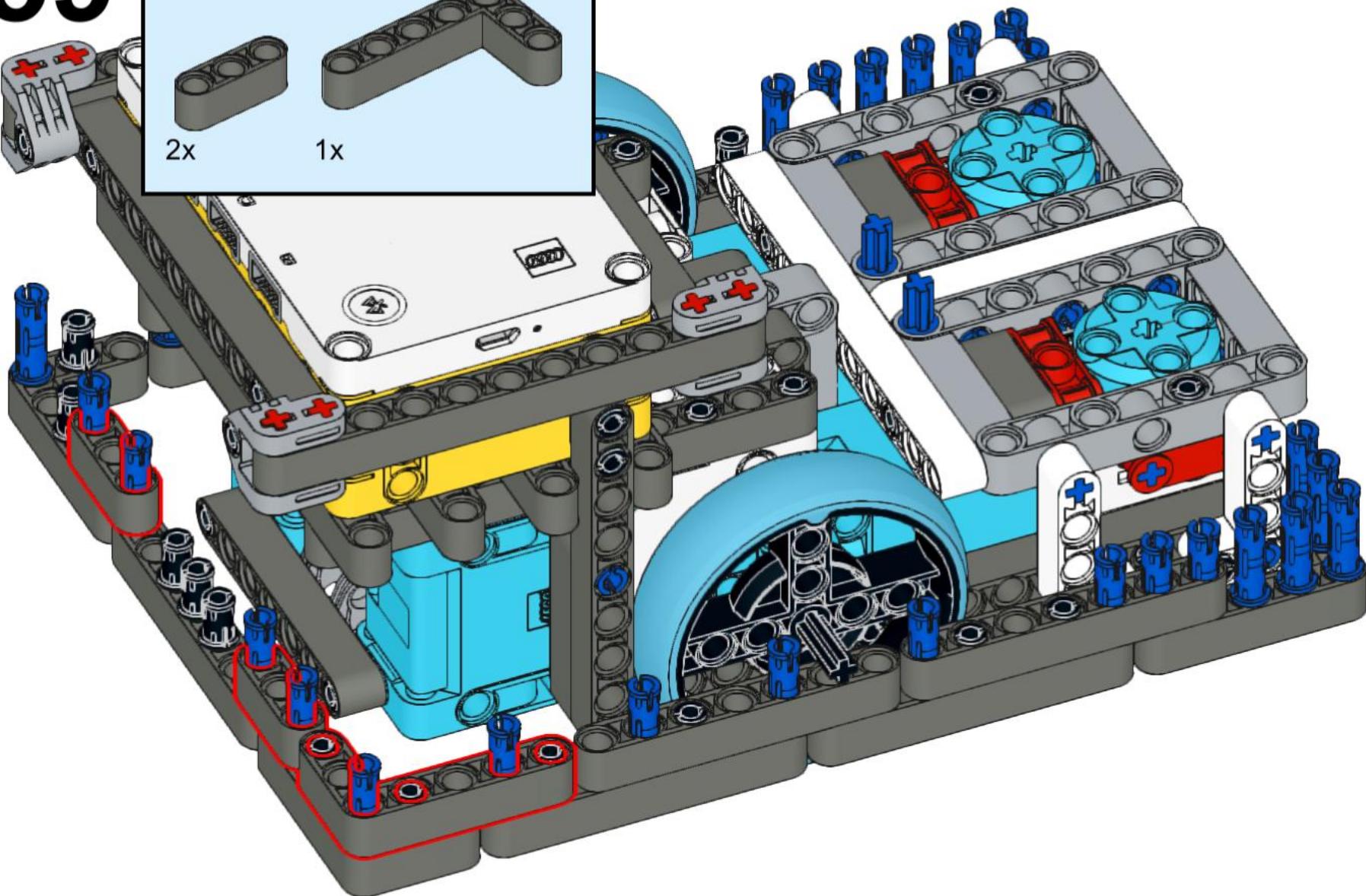
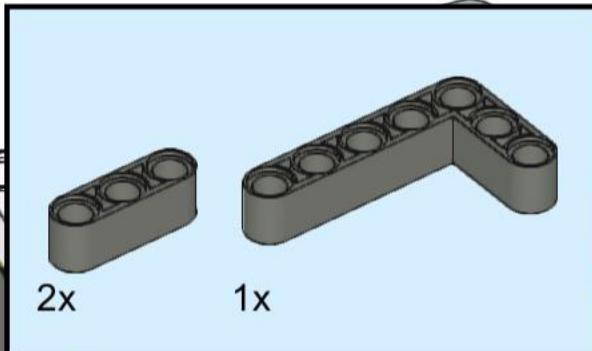


58

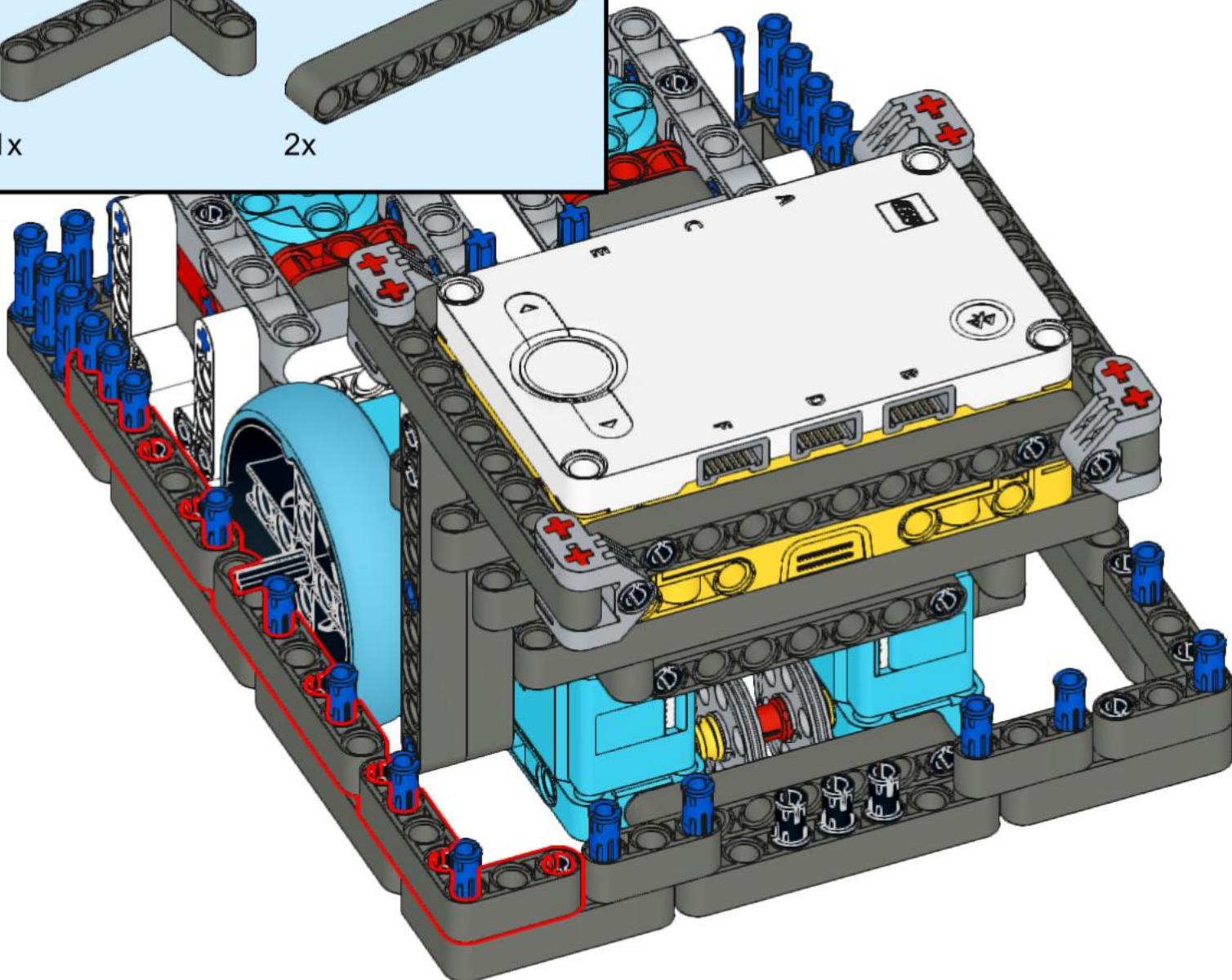
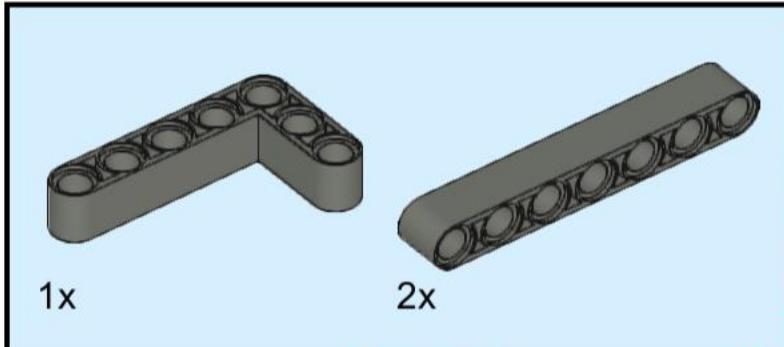


There are no pins in
this area yet. It's OK.
There will be soon.

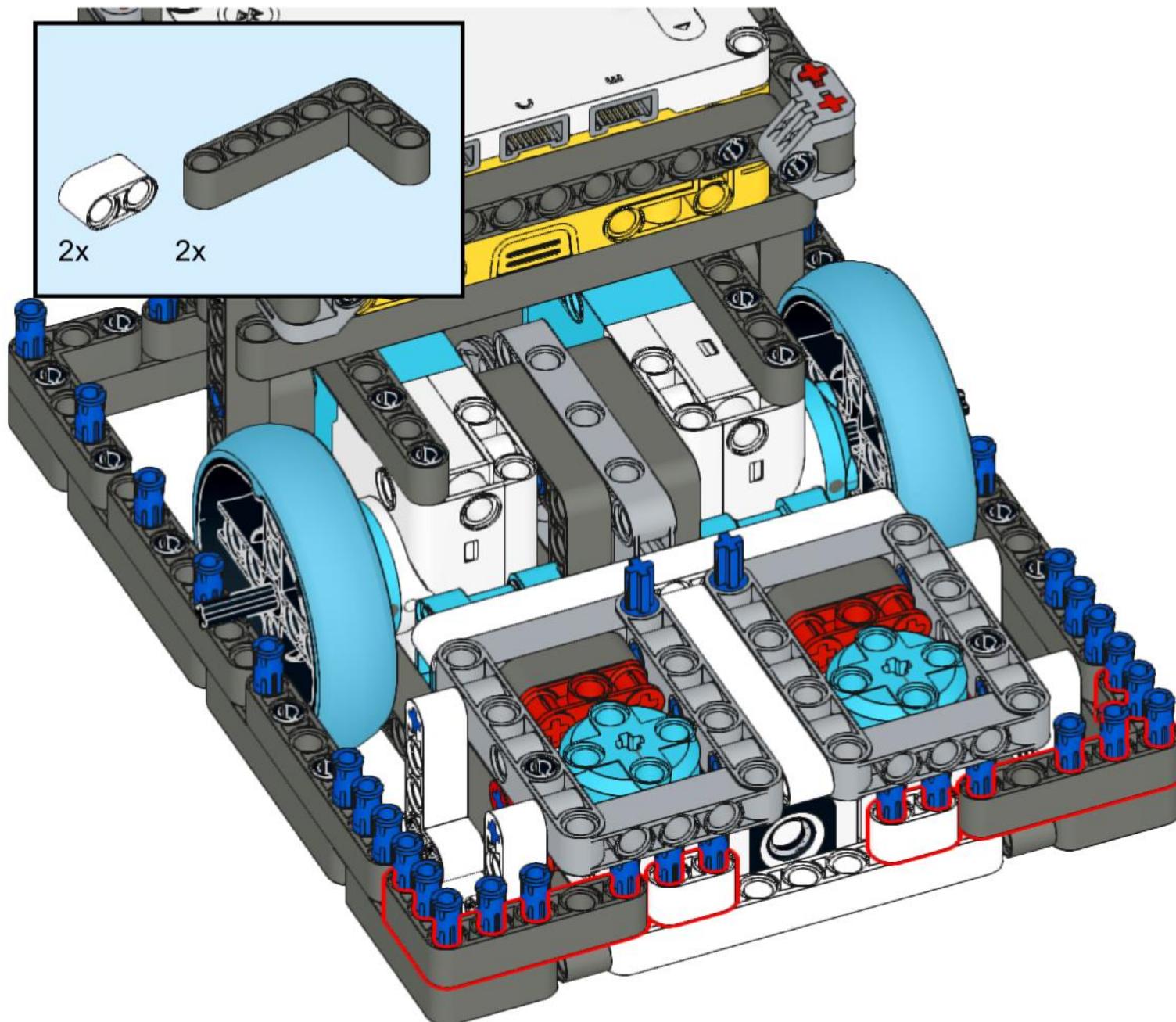
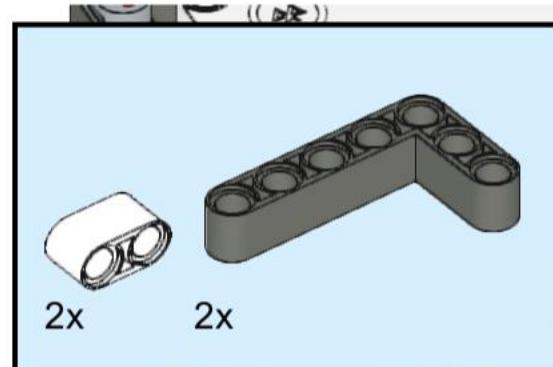
59



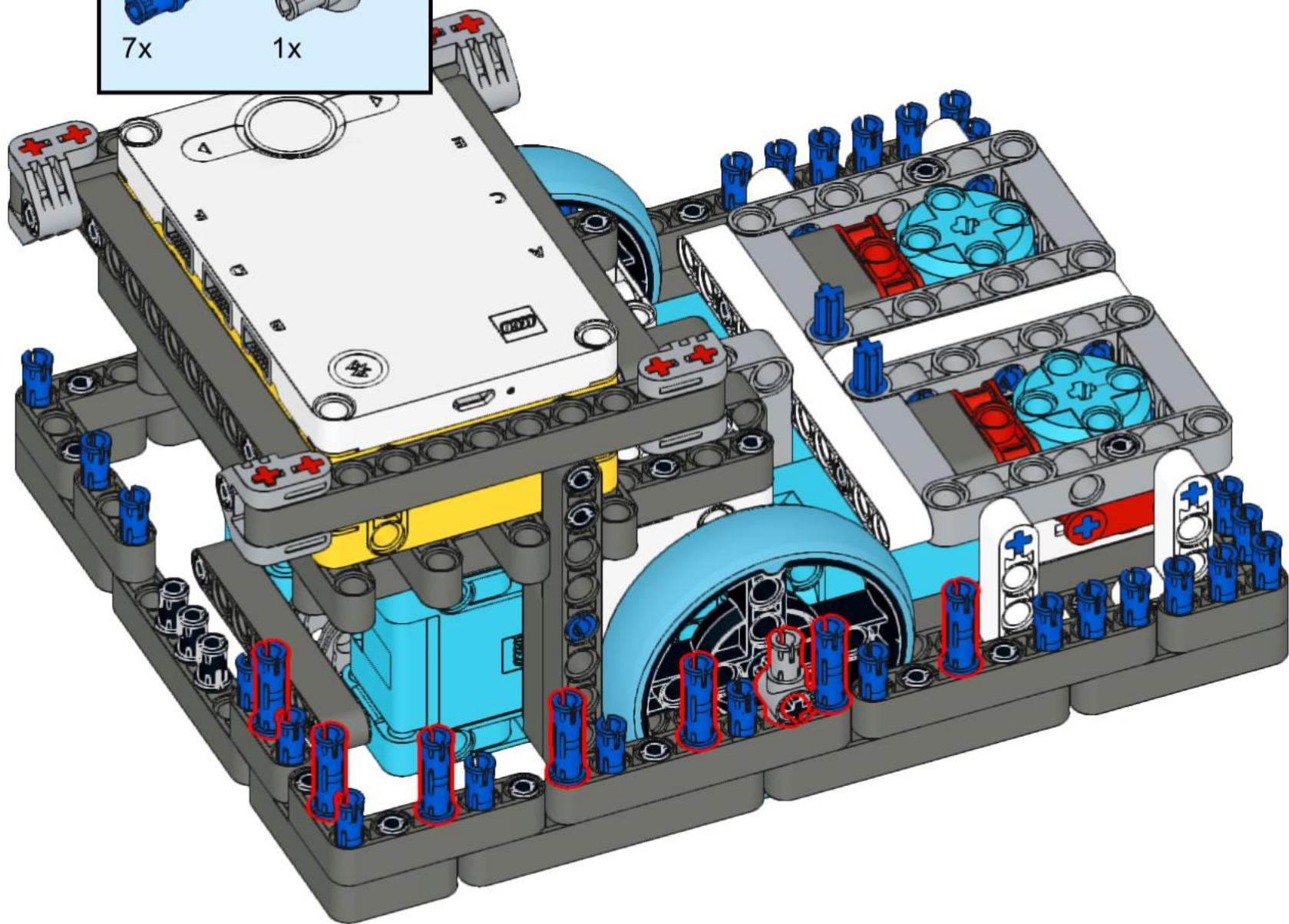
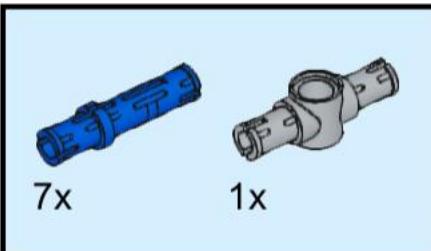
60



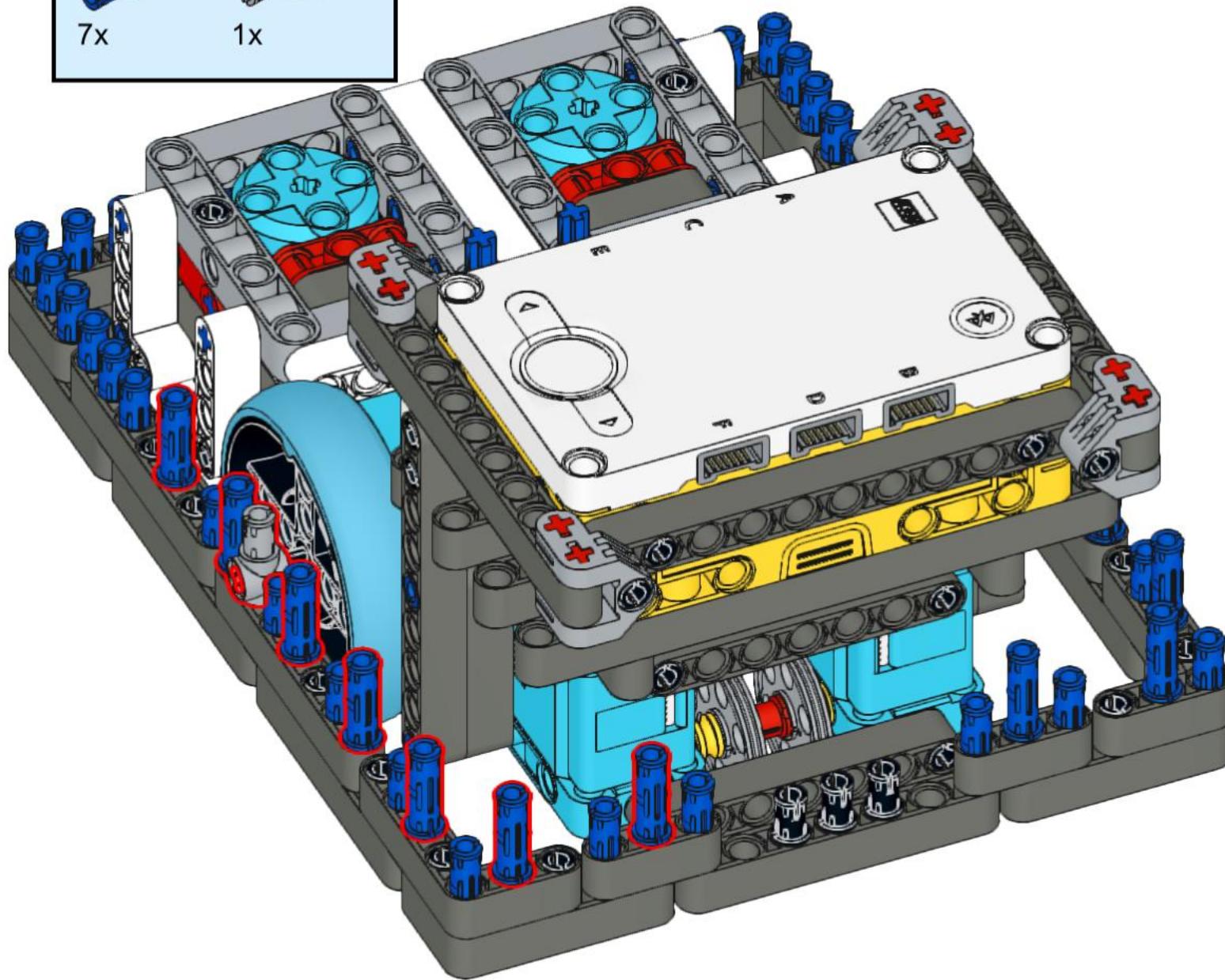
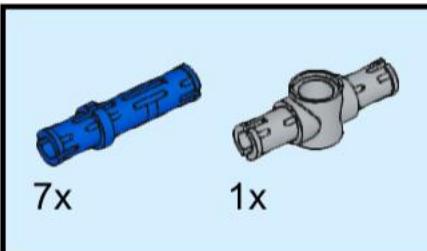
61



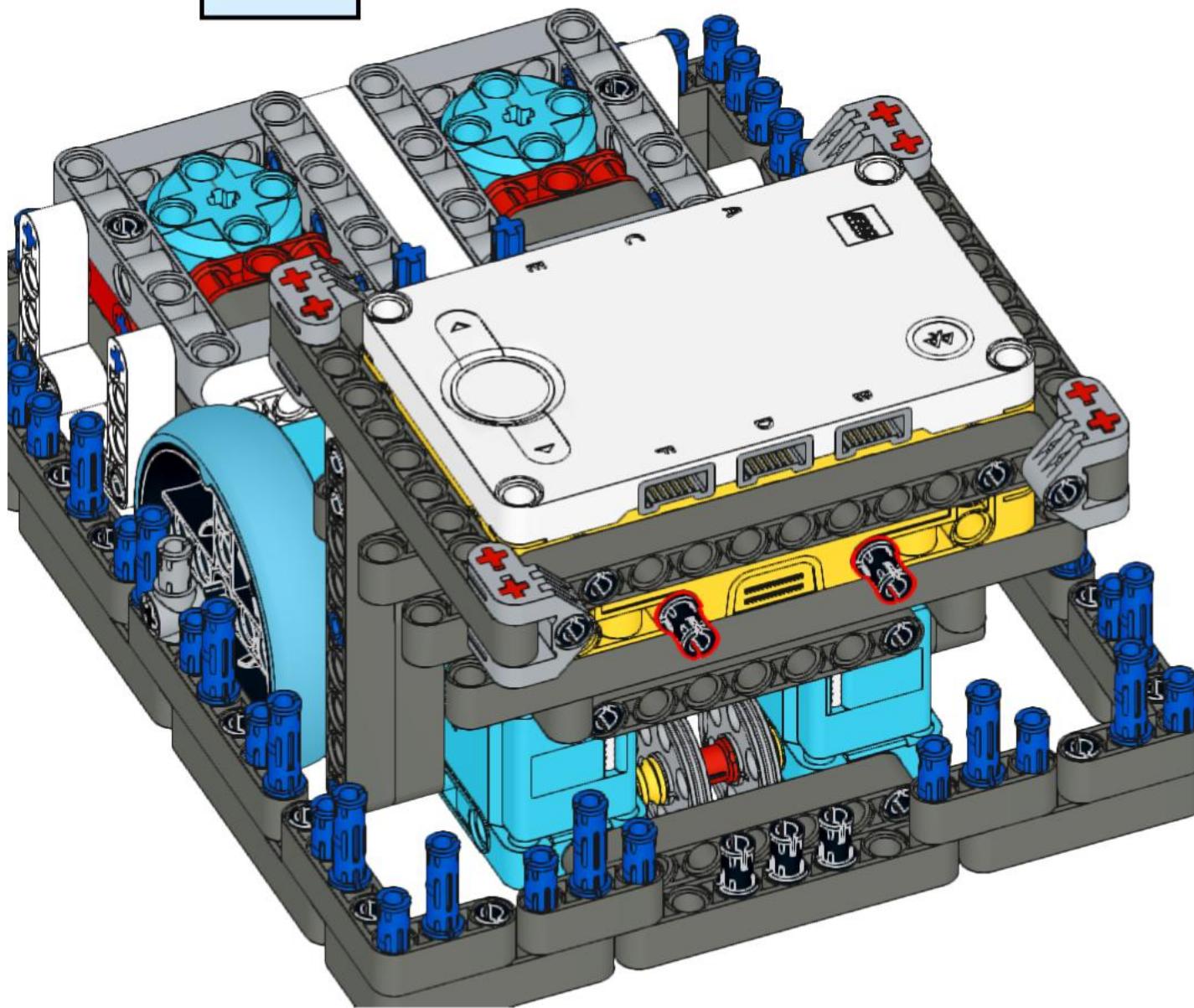
62



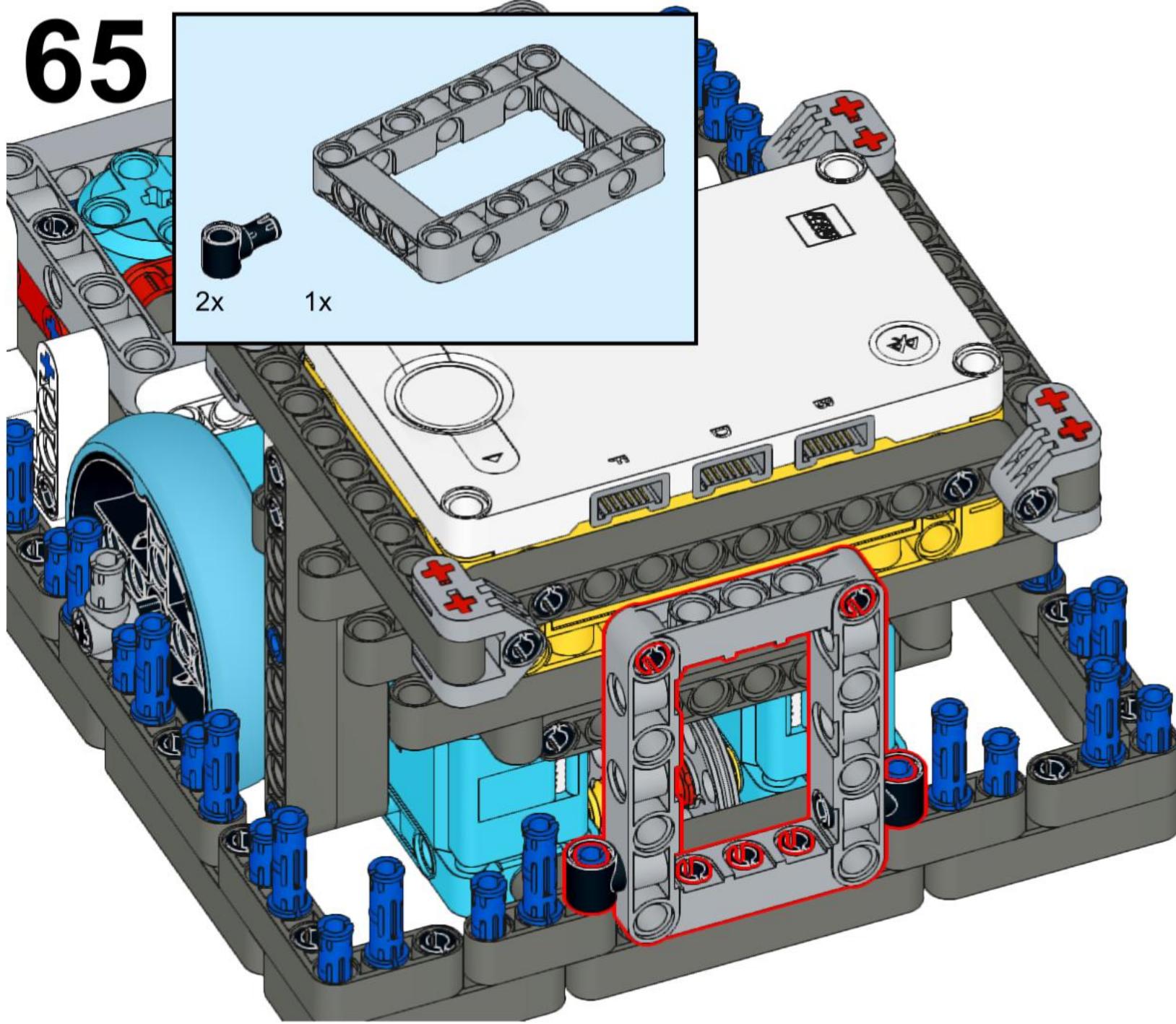
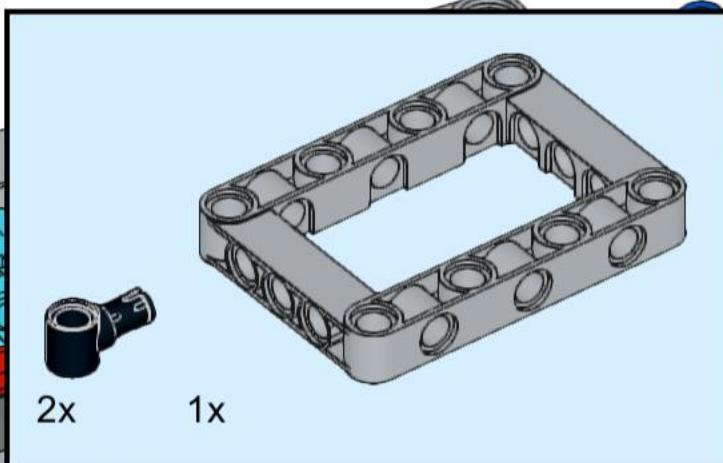
63



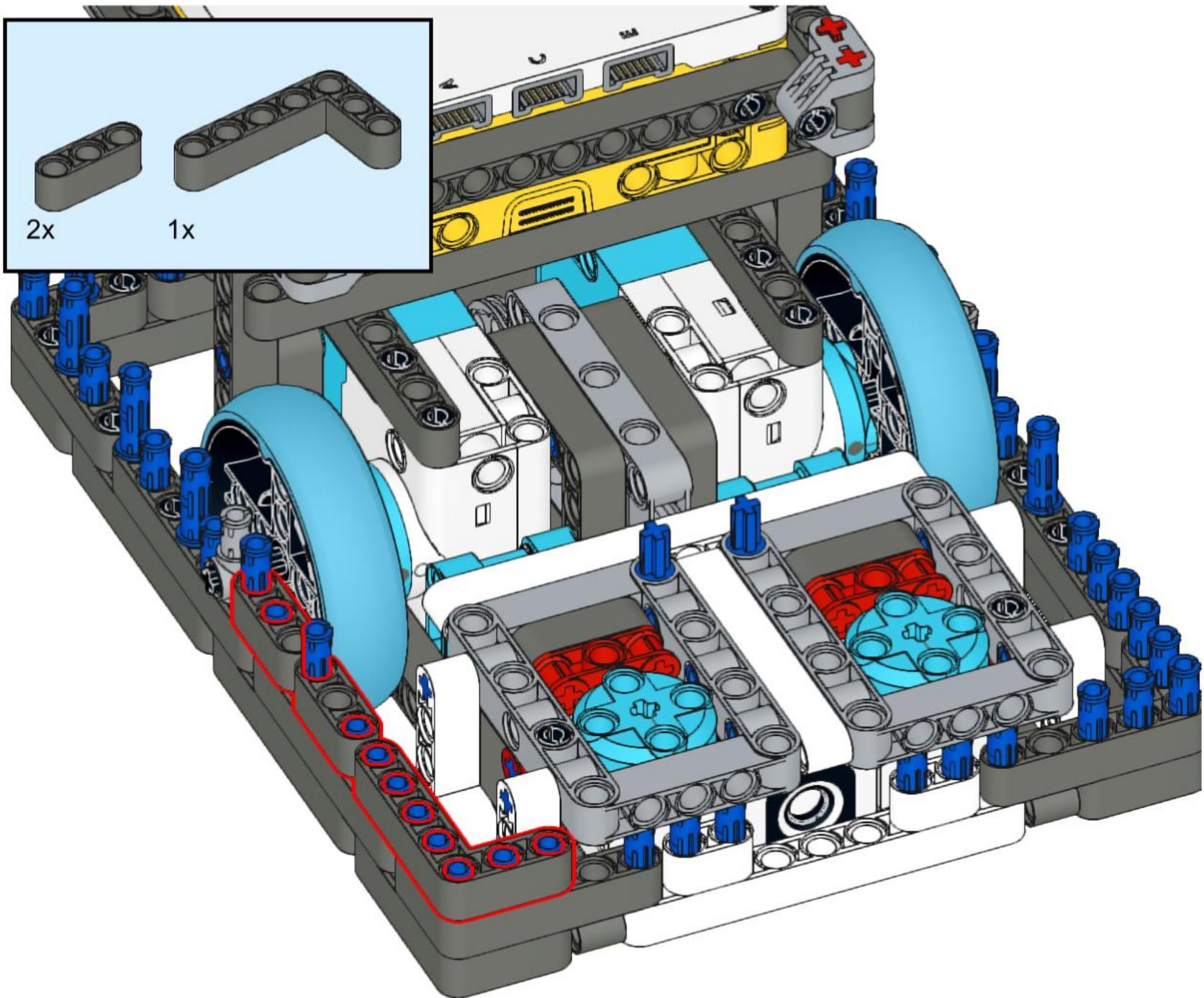
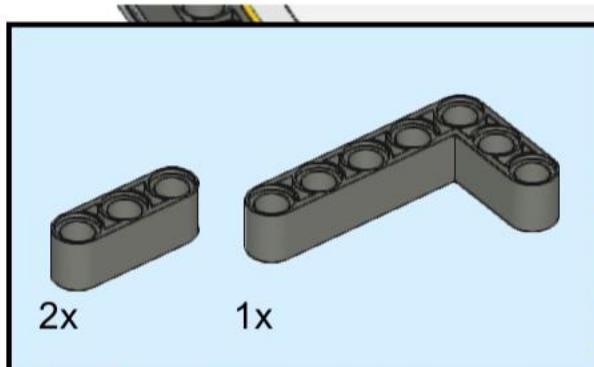
64



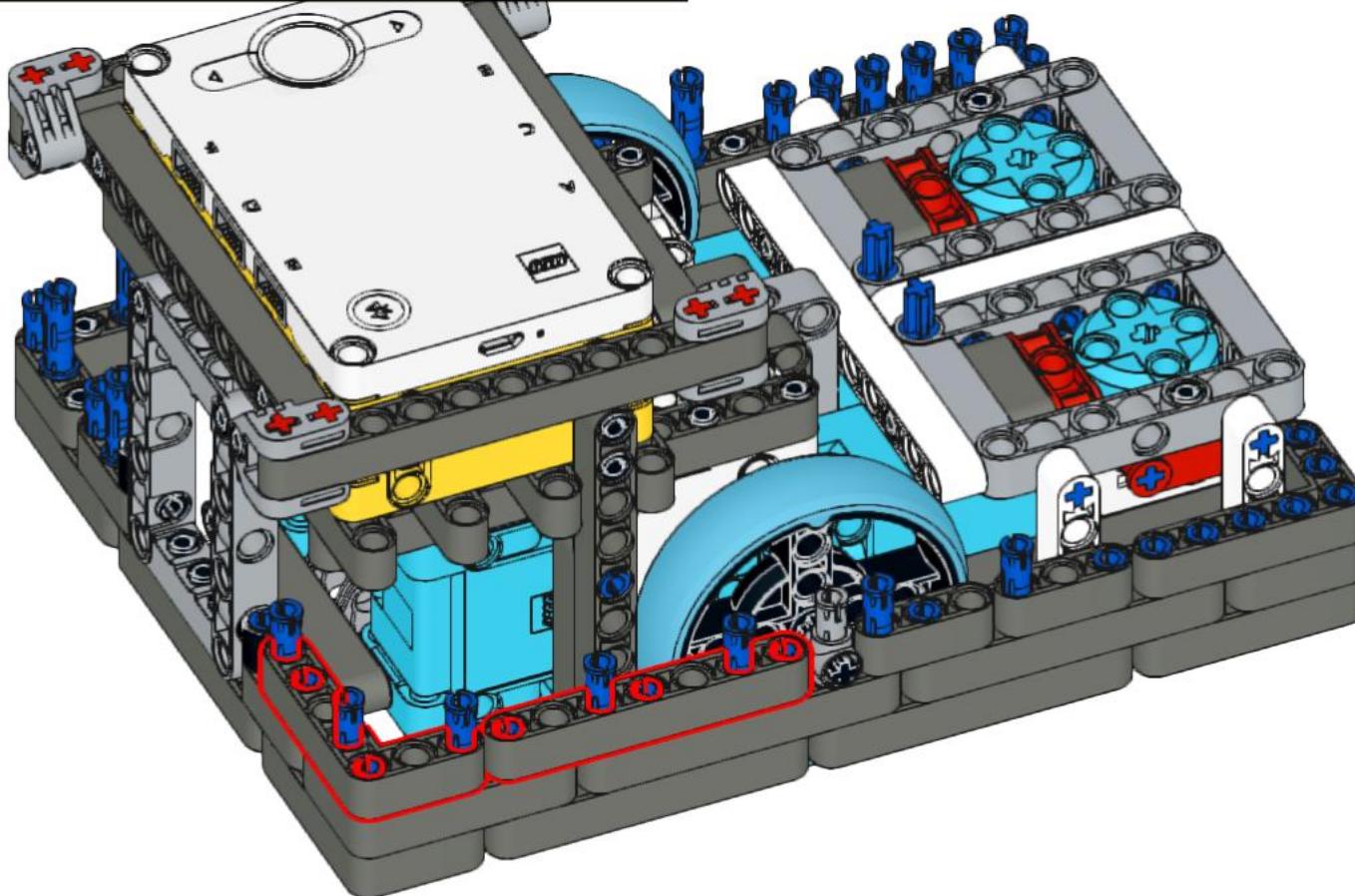
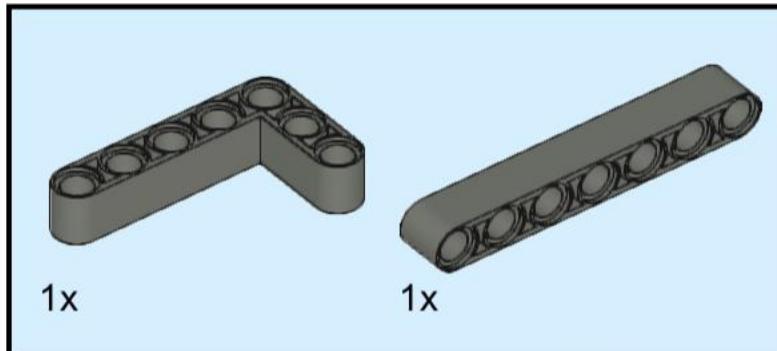
65



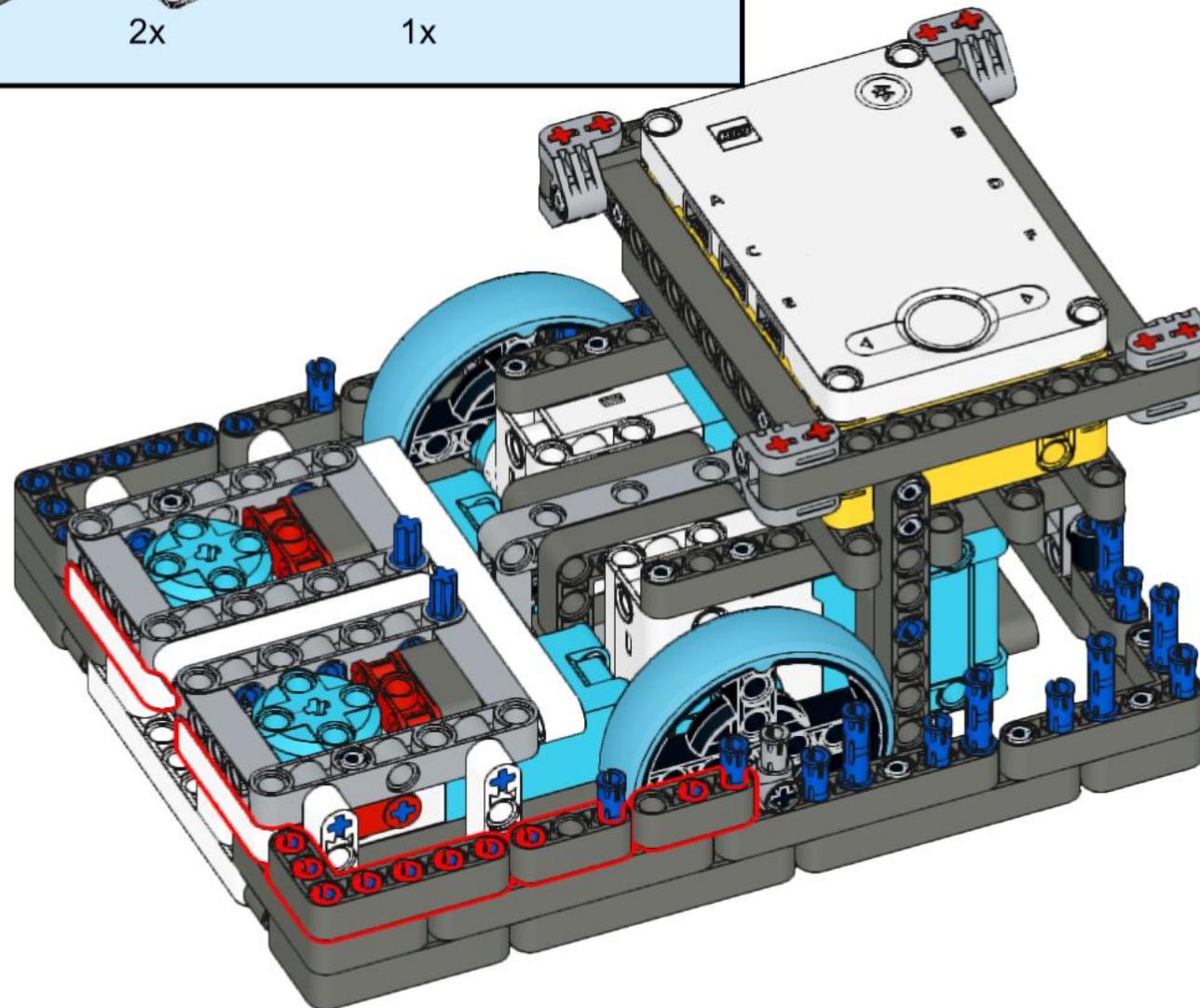
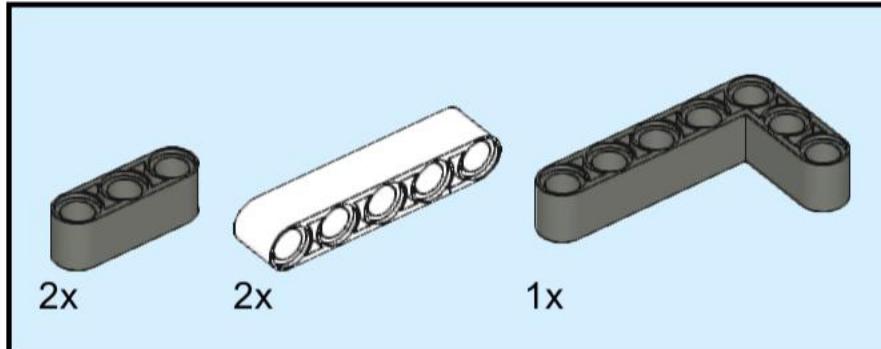
66



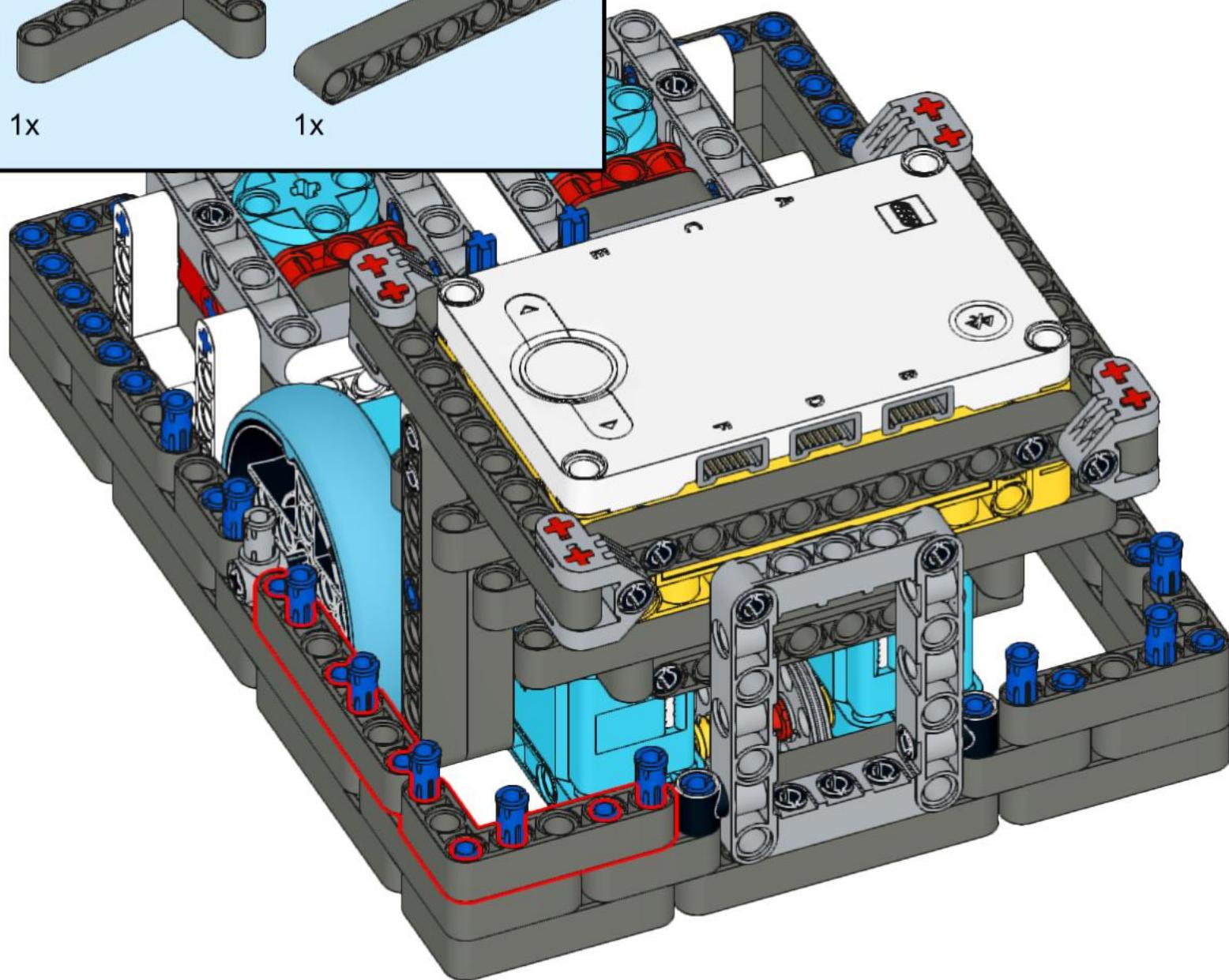
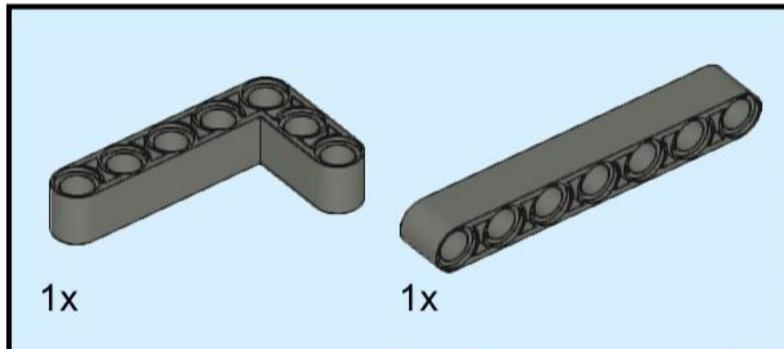
67



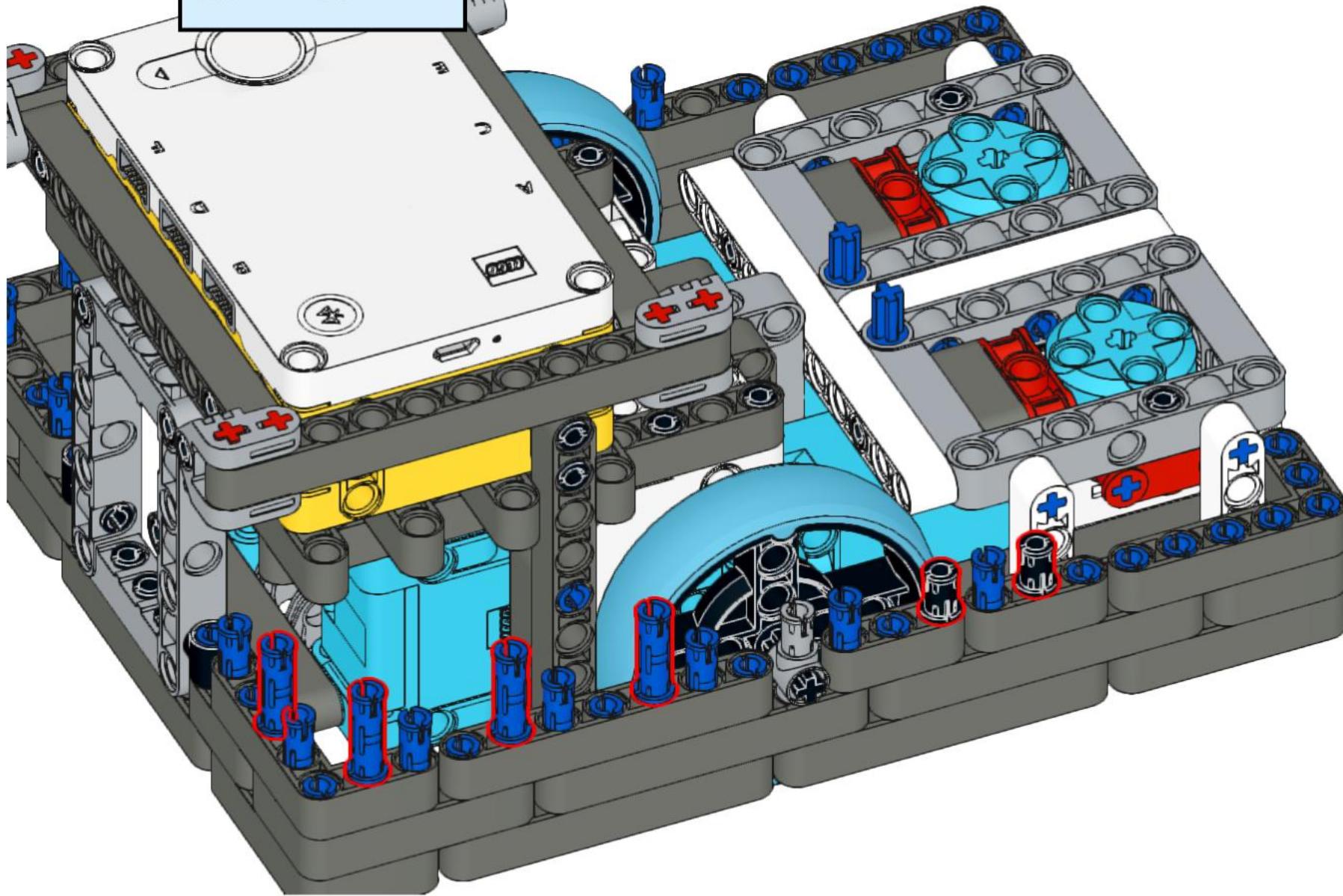
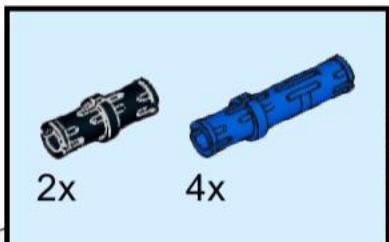
68



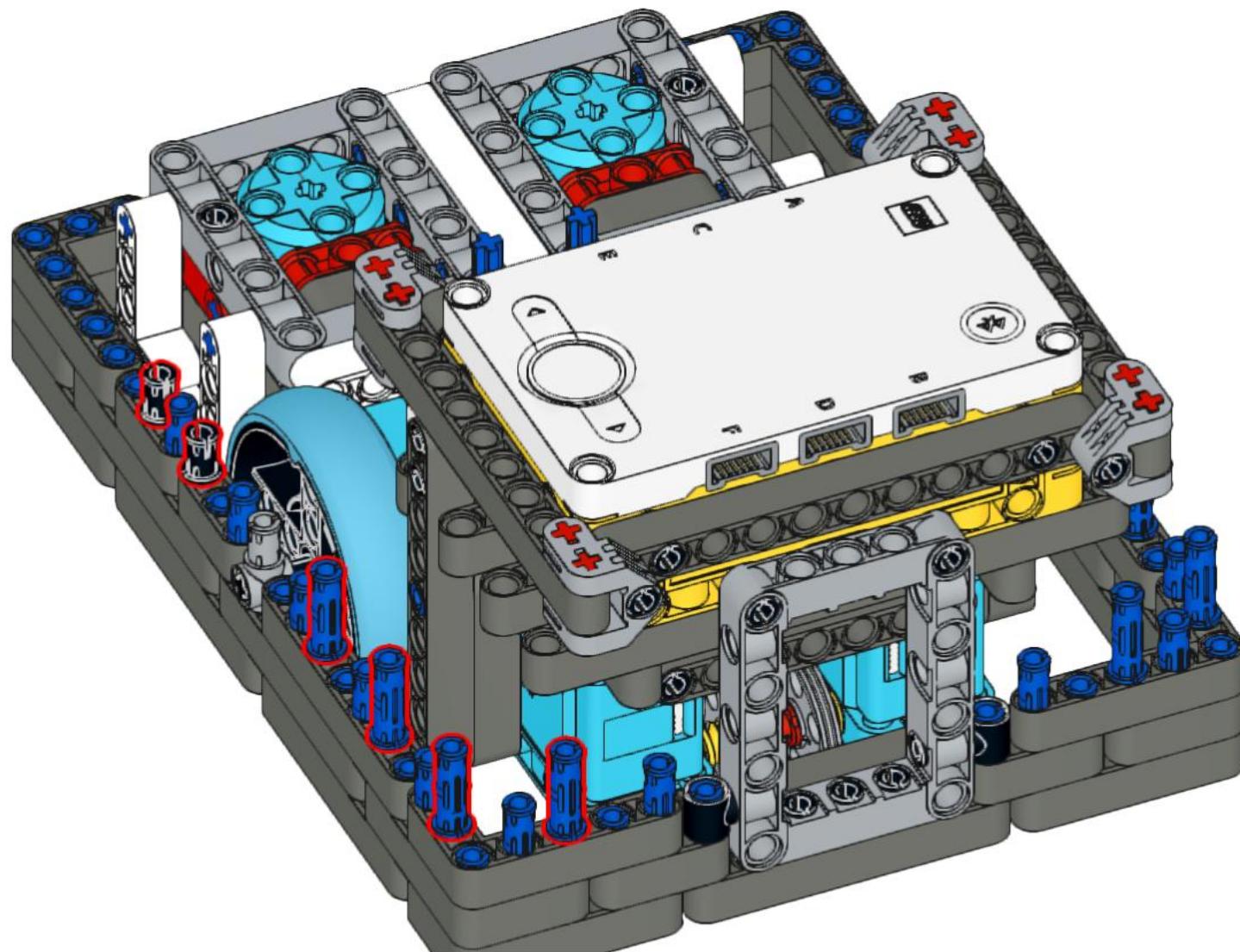
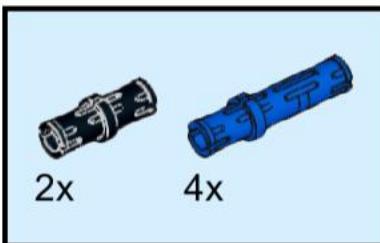
69



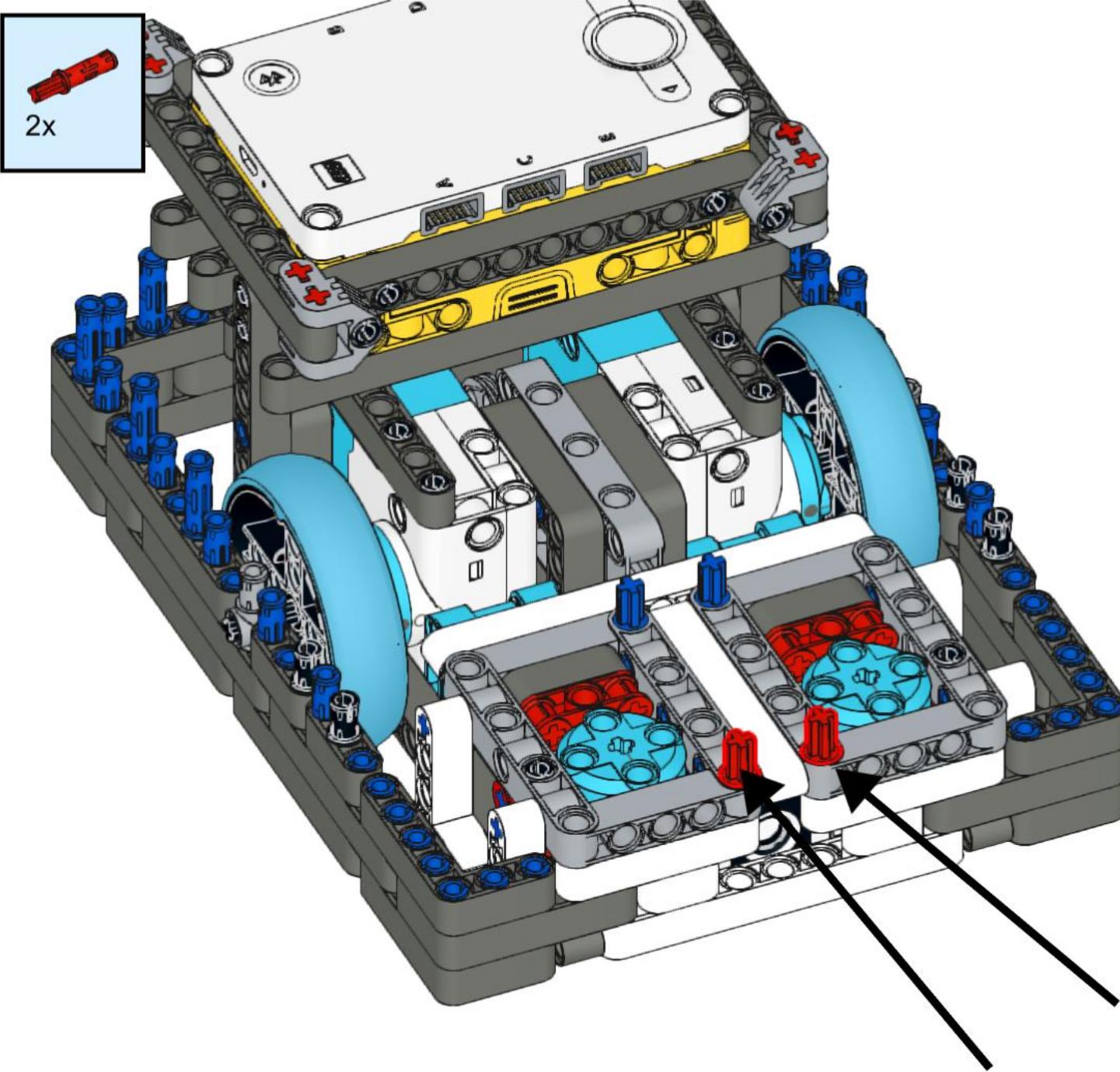
70



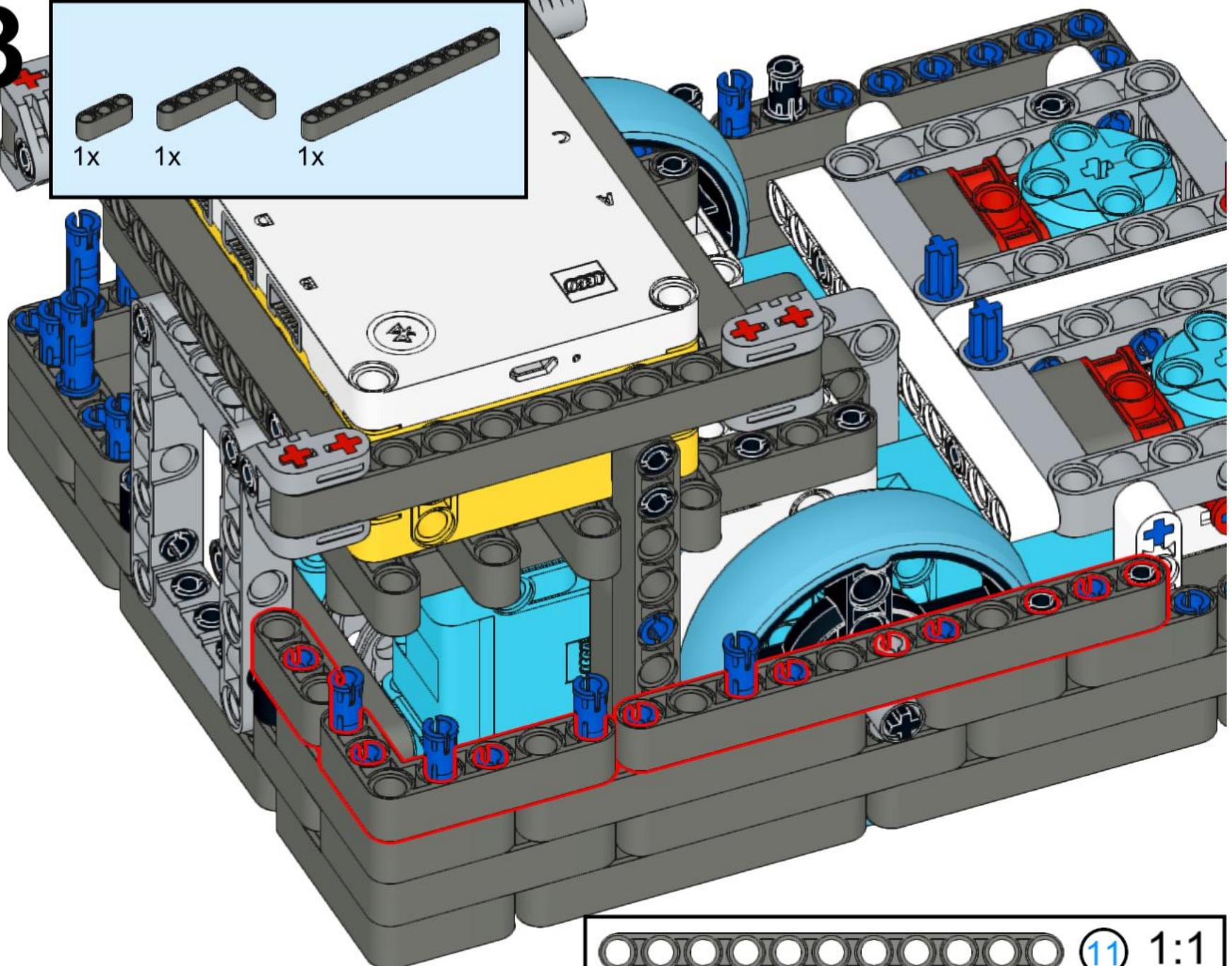
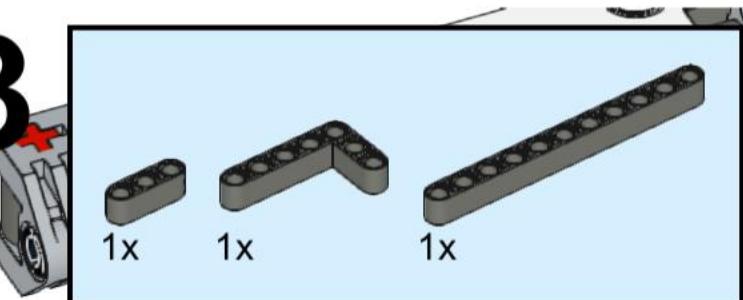
71



72

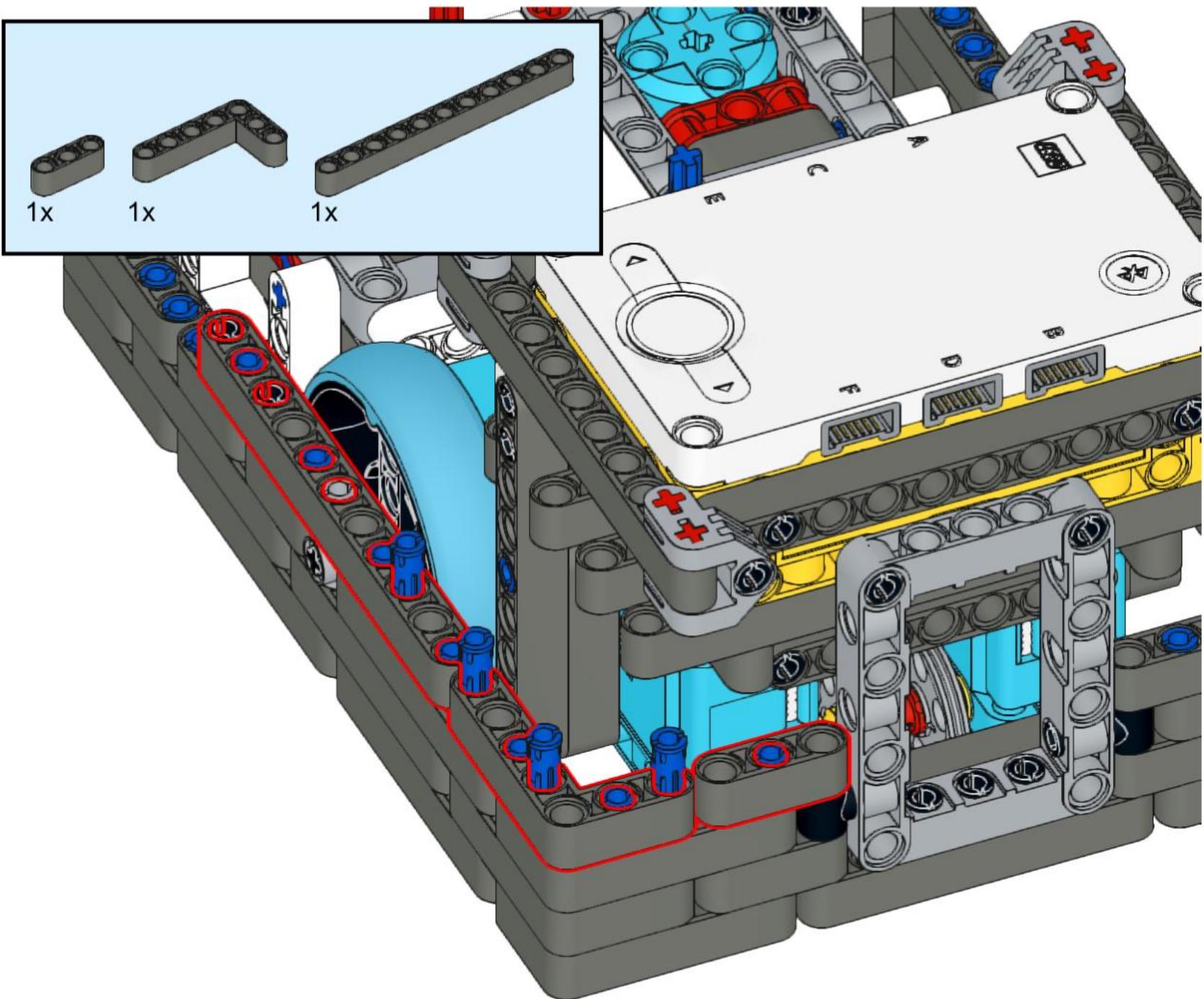


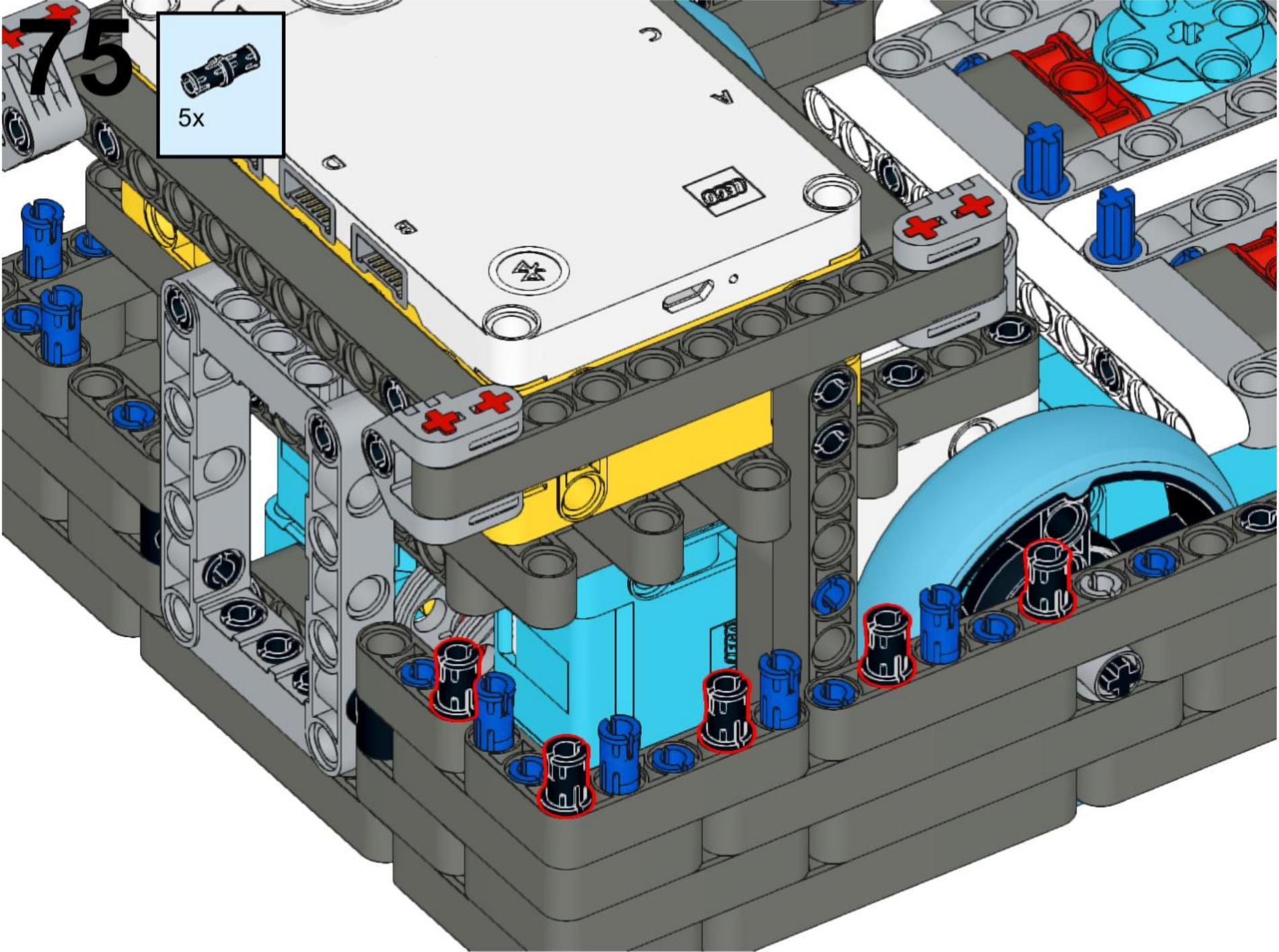
73



11 1:1

74

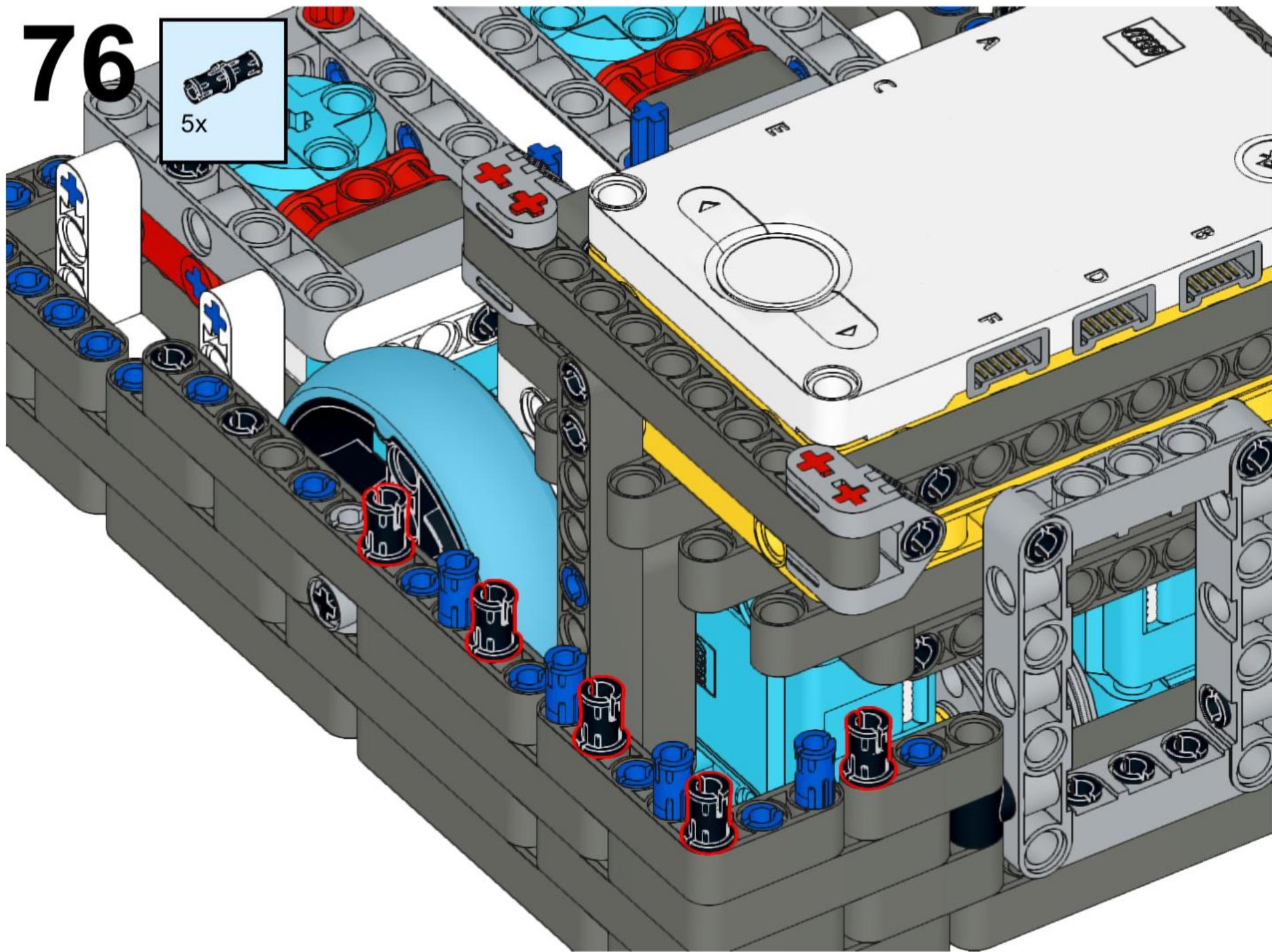




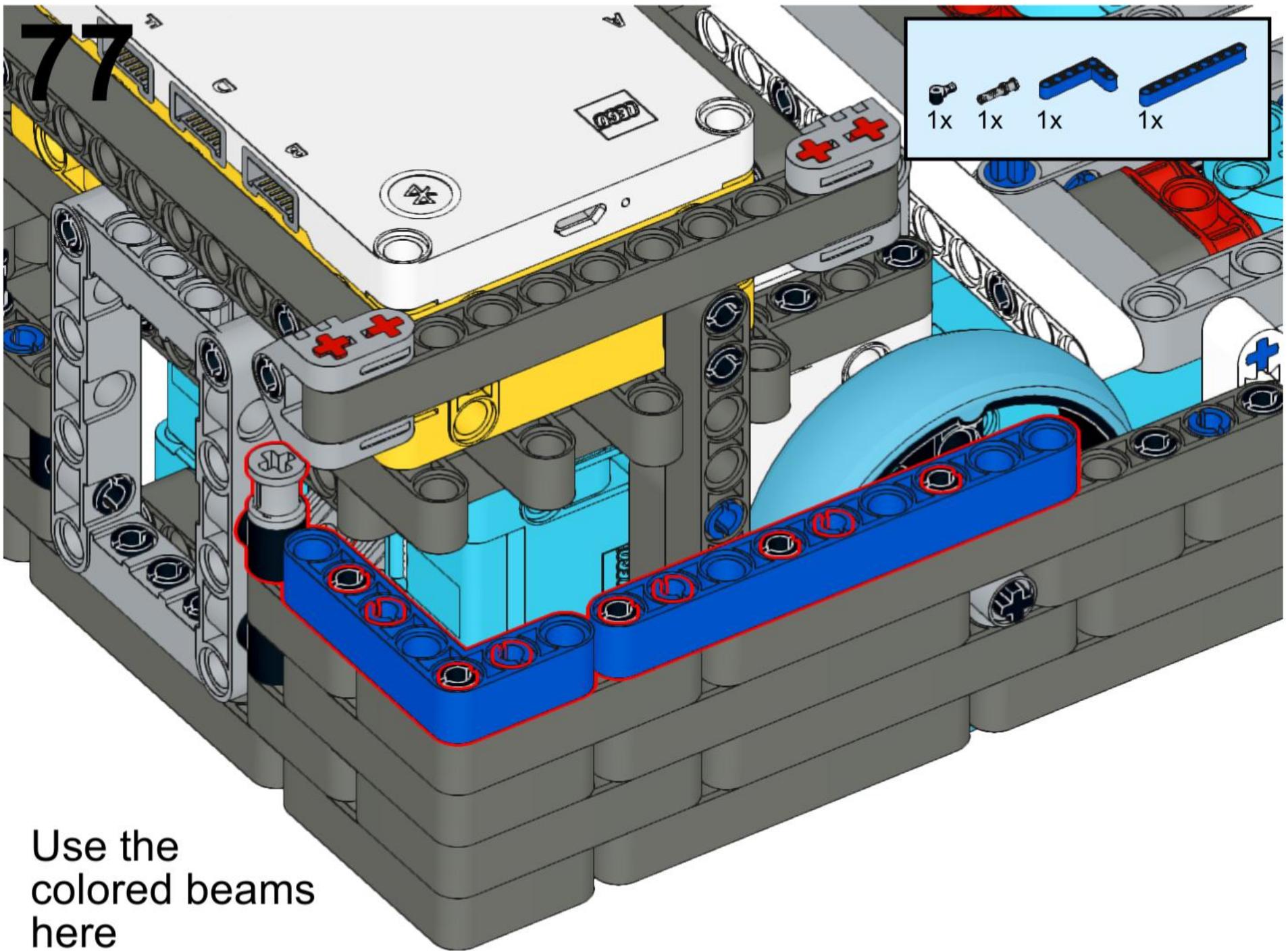
75

5x

76

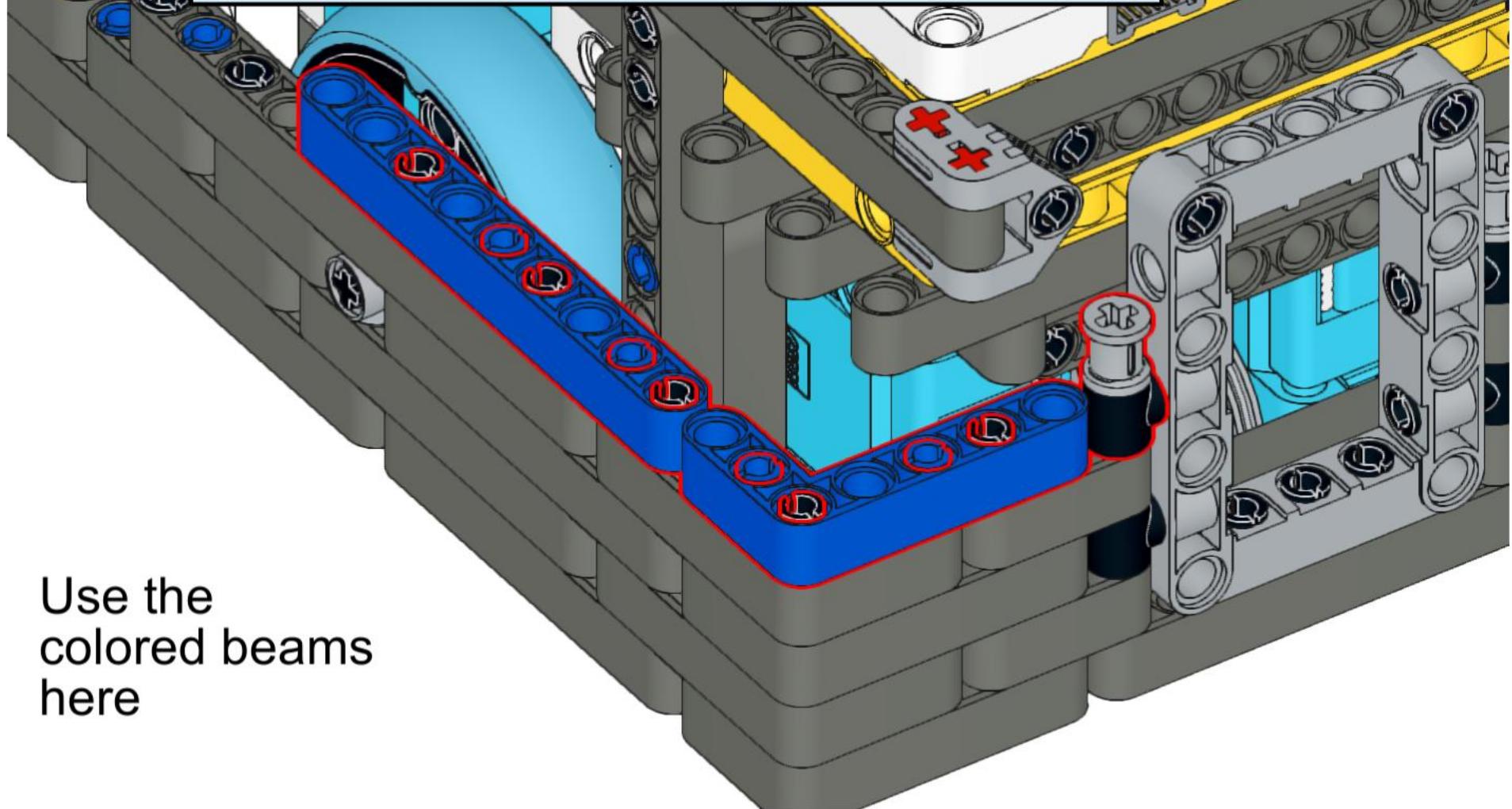
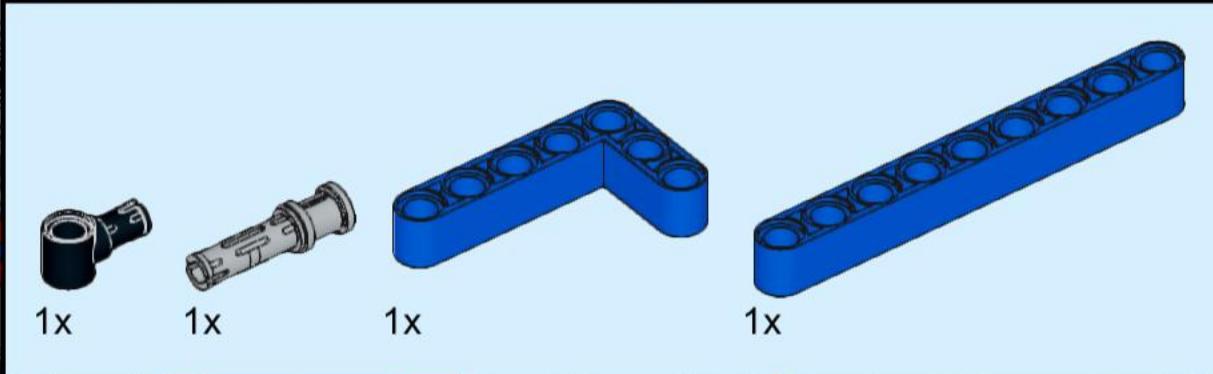


77



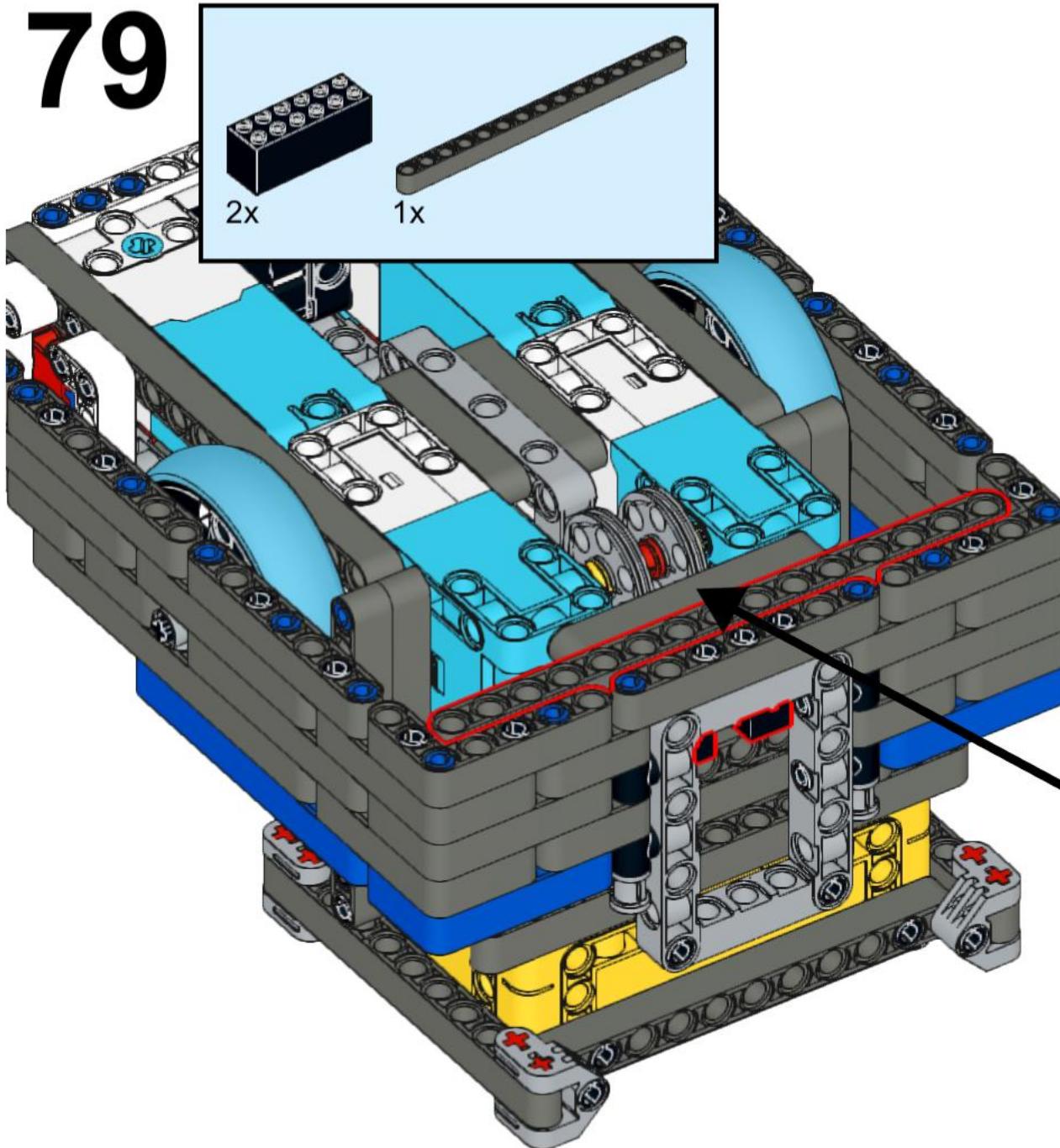
Use the
colored beams
here

78



Use the
colored beams
here

79



Connect the weighted bricks together using the "15" beam. Remove the "7" beam from the bottom back of the large drive motors. Drop the weighted bricks in and replace the "7" beam.

Temporarily
remove this
beam (and
pins)