

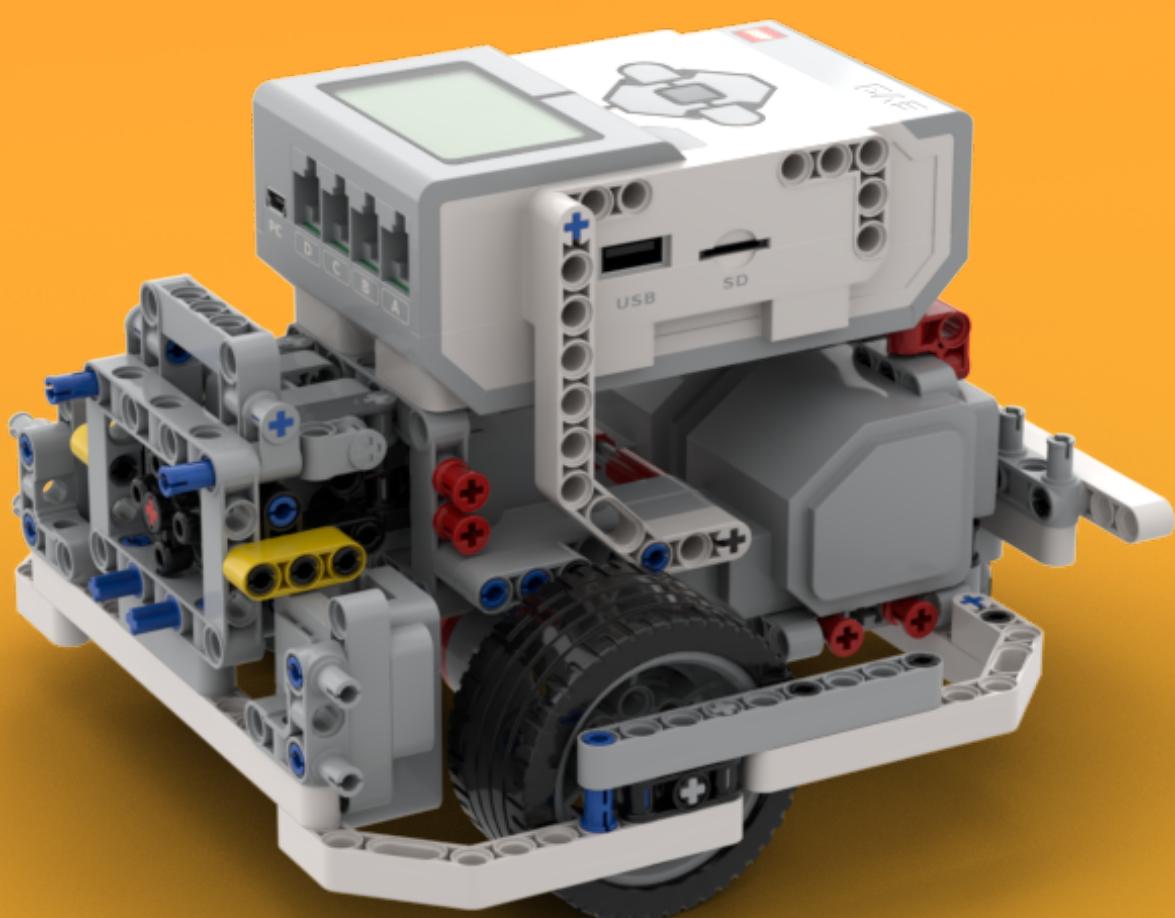


V2.0 | MAY 2020

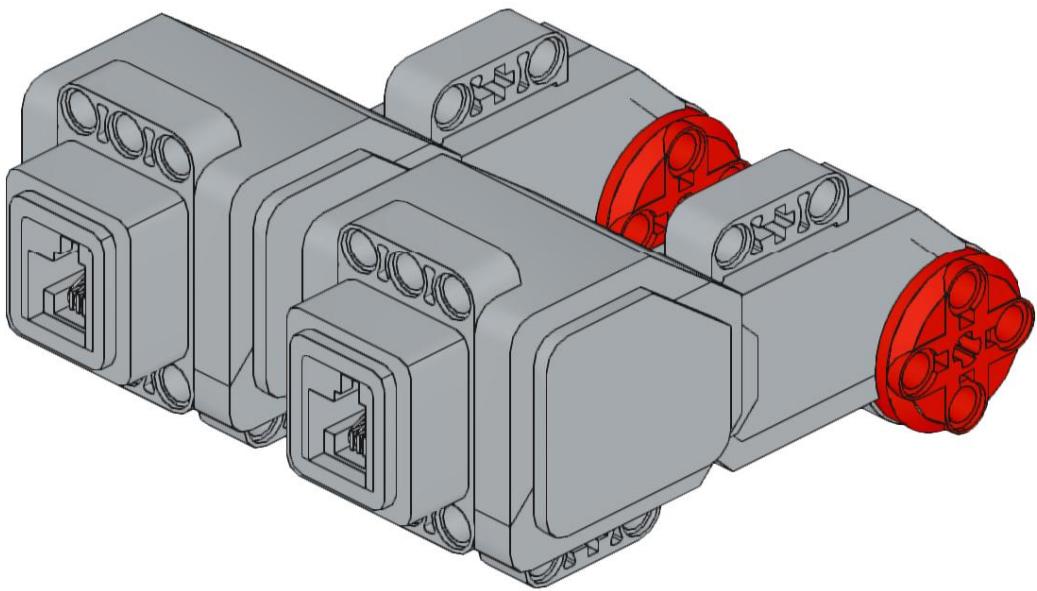
# HOW TO BUILD

# 3316 EDUCATOR ++

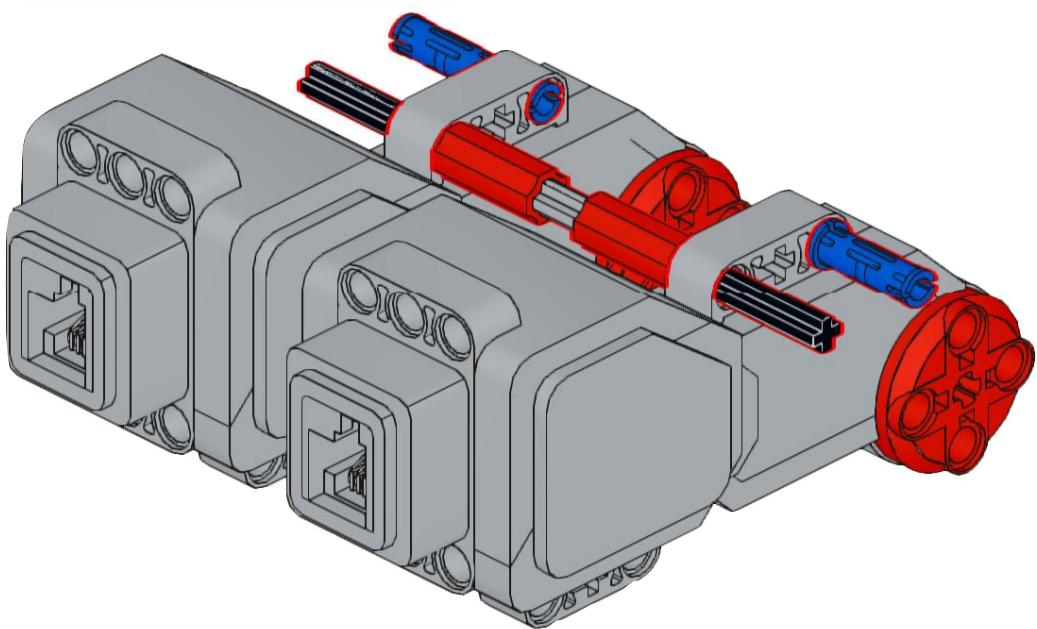
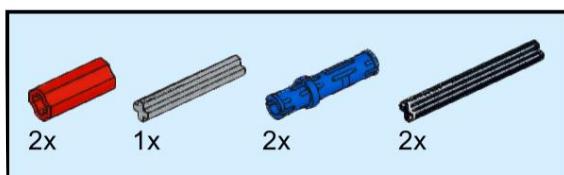
IN A FEW SIMPLE STEPS



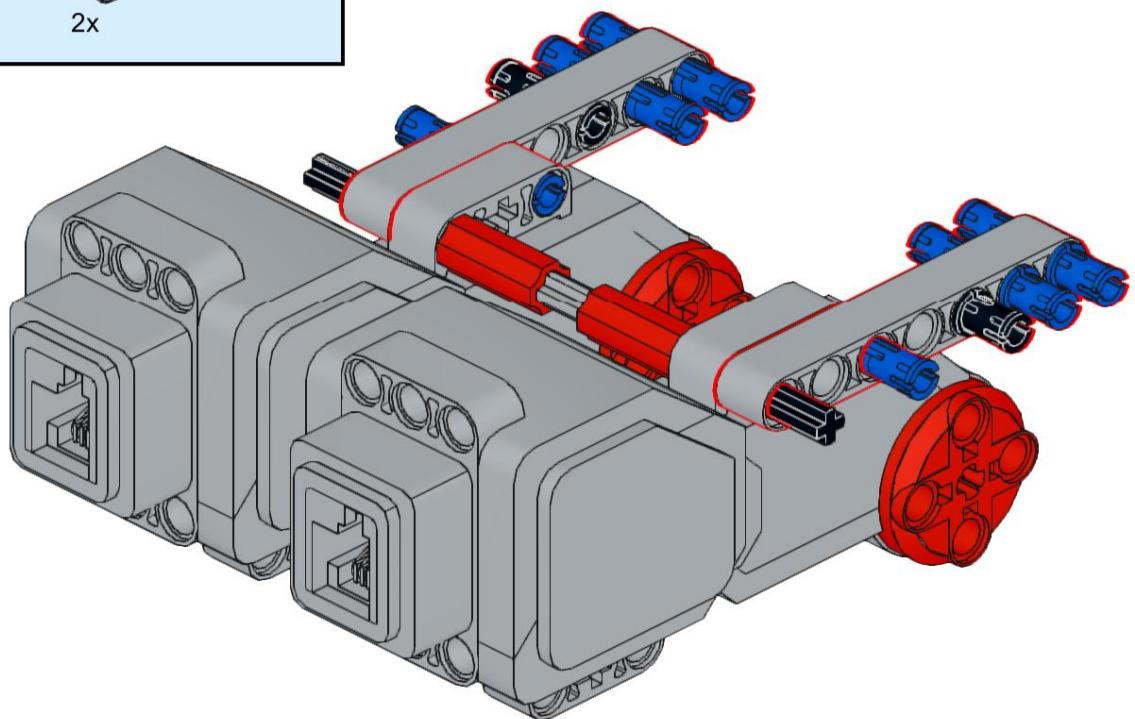
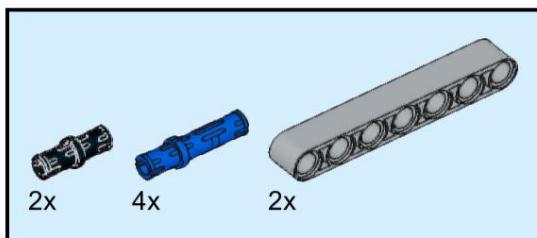
1



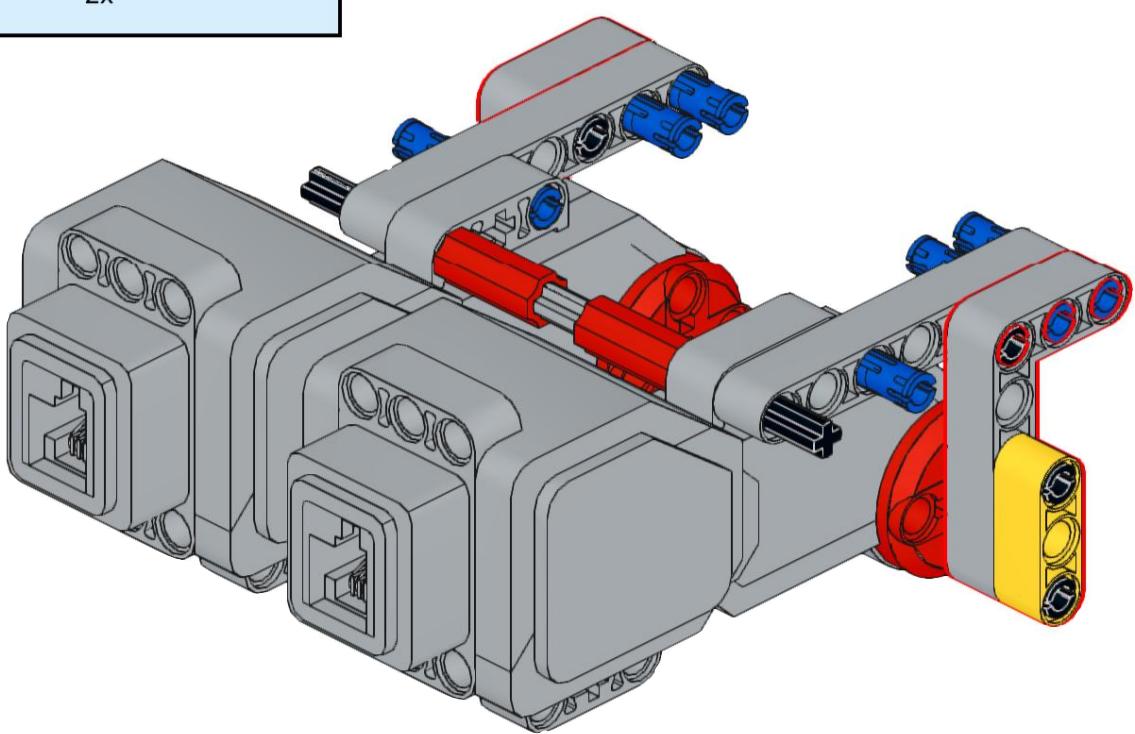
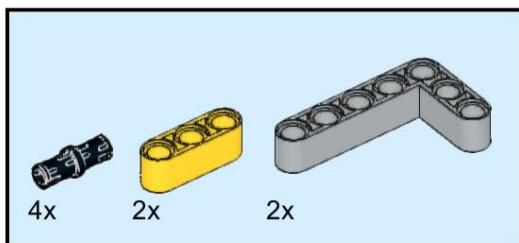
2



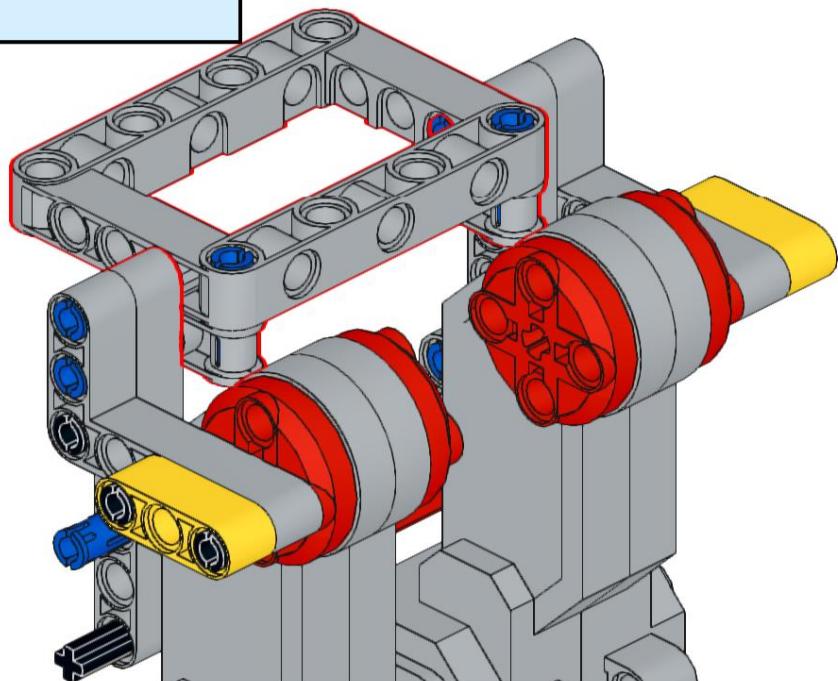
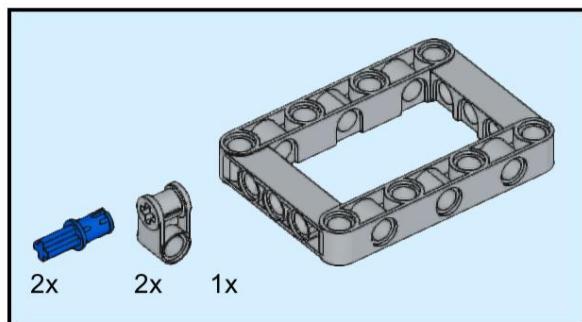
3



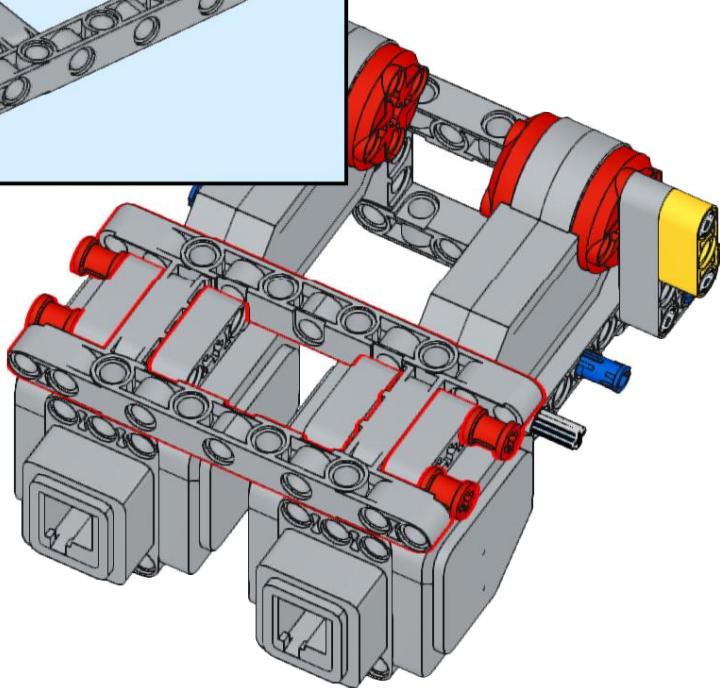
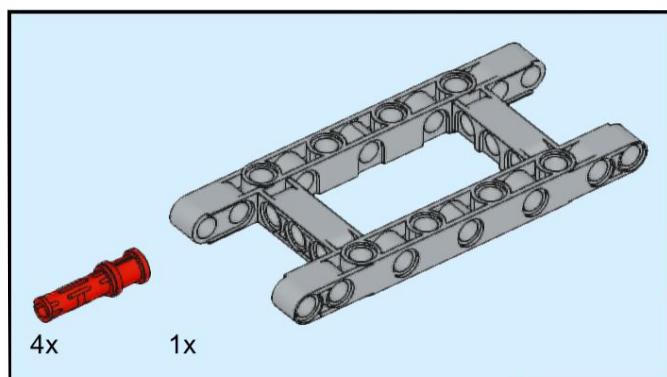
4



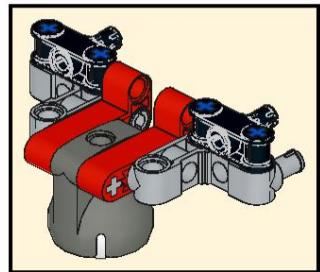
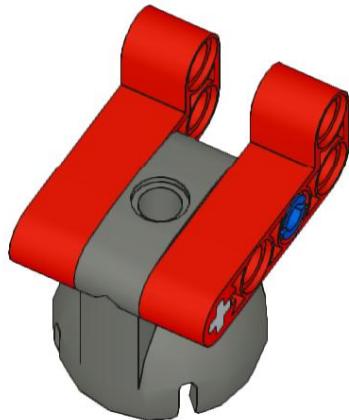
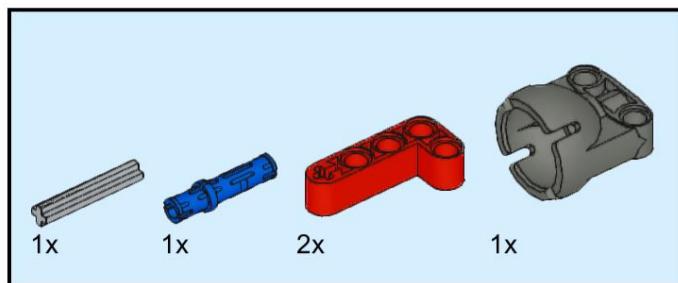
5



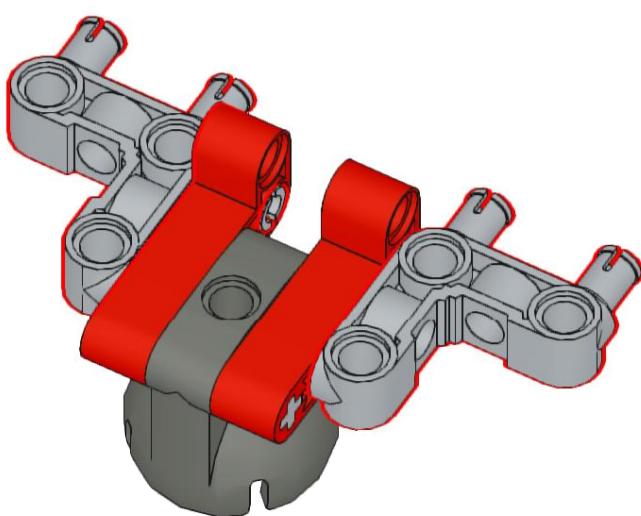
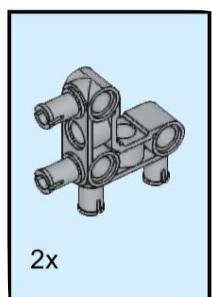
6



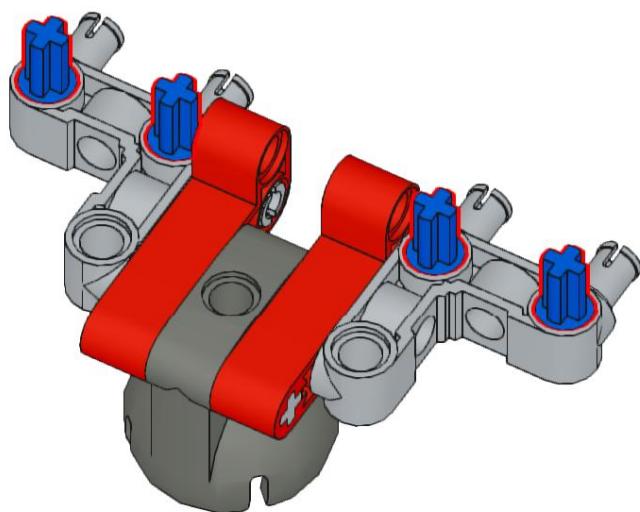
7



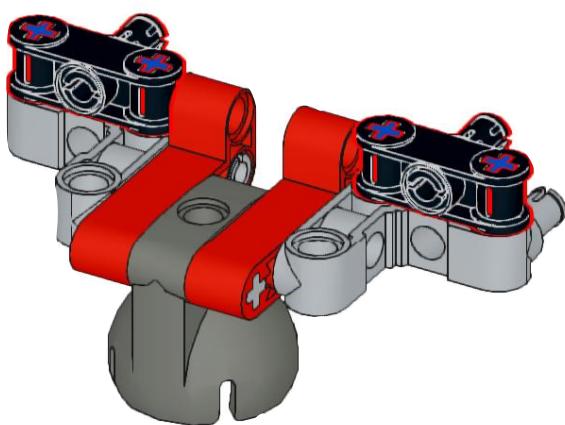
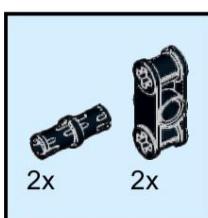
8



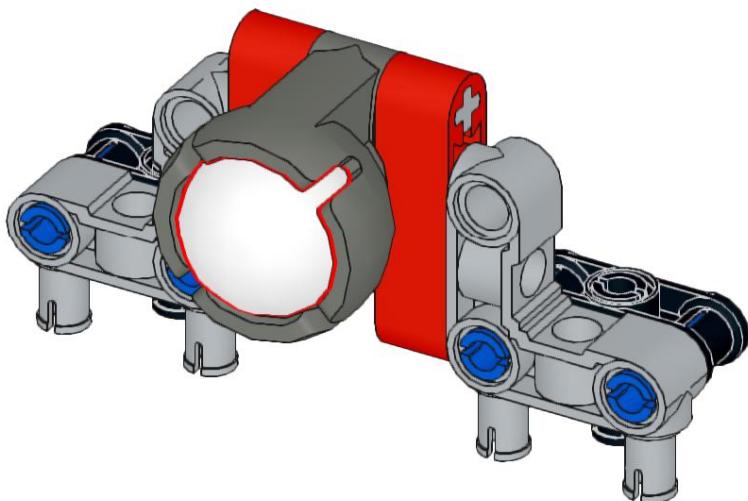
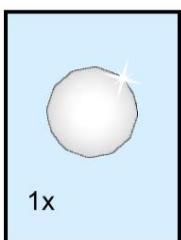
9



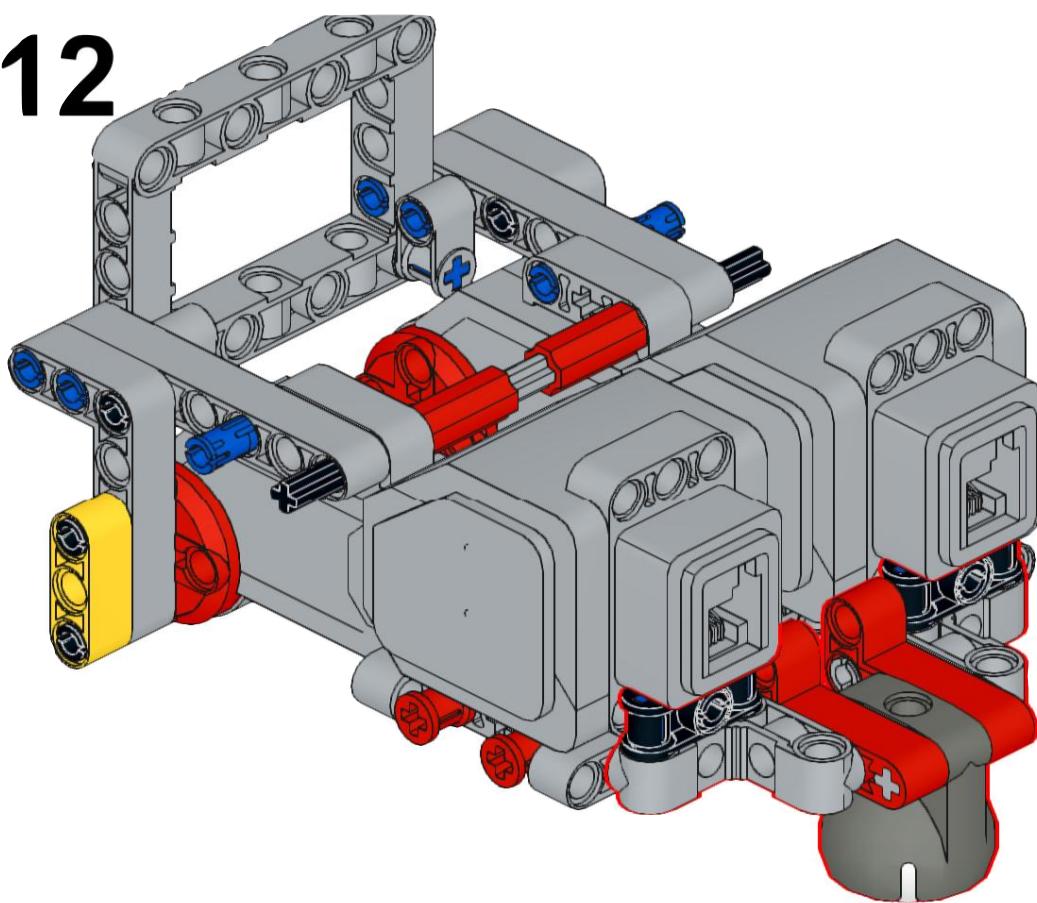
10



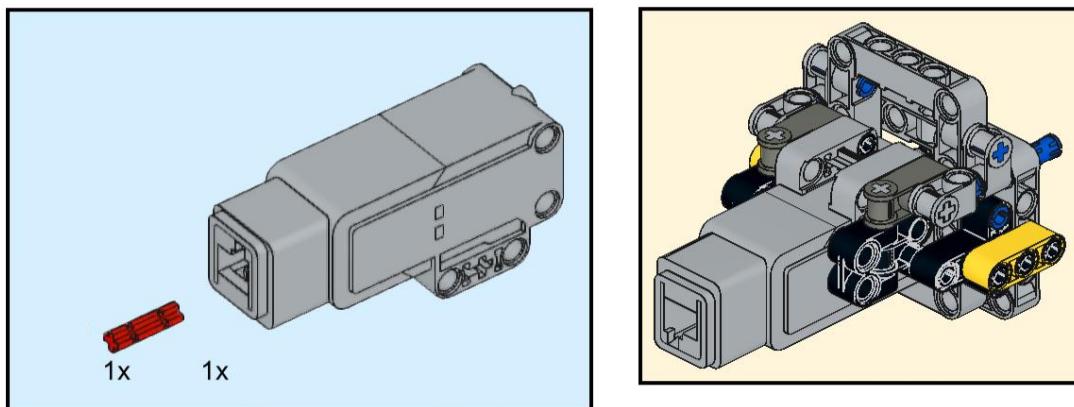
11



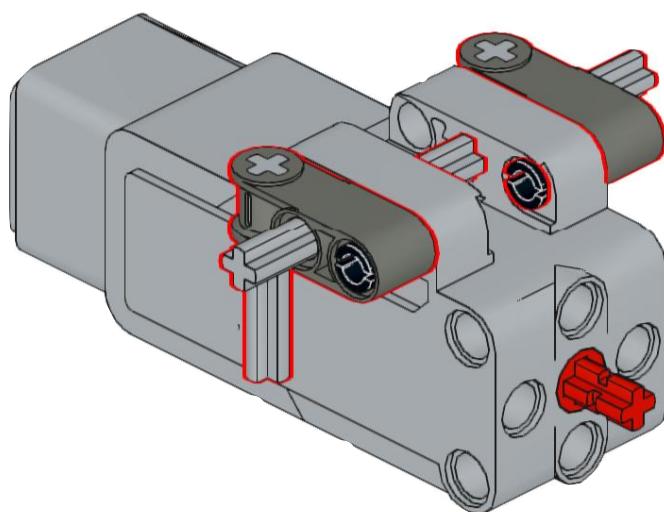
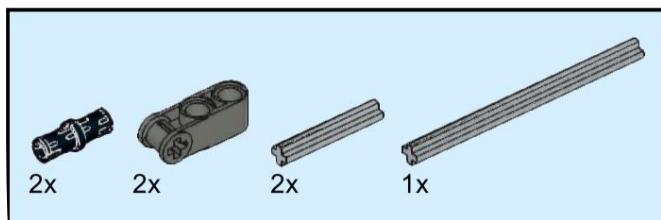
12



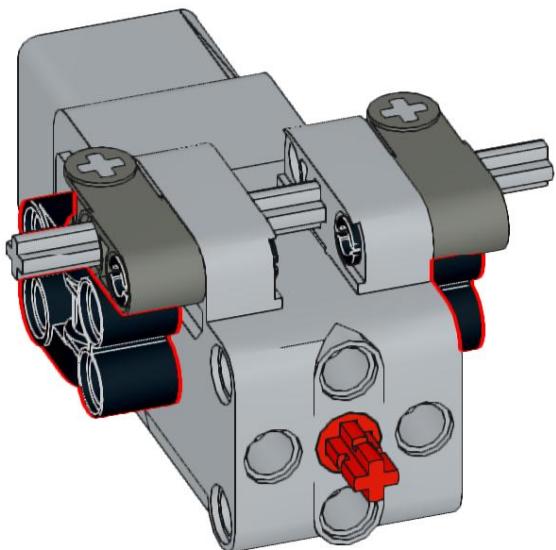
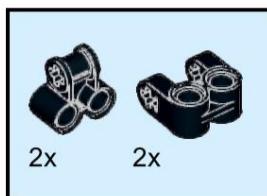
13



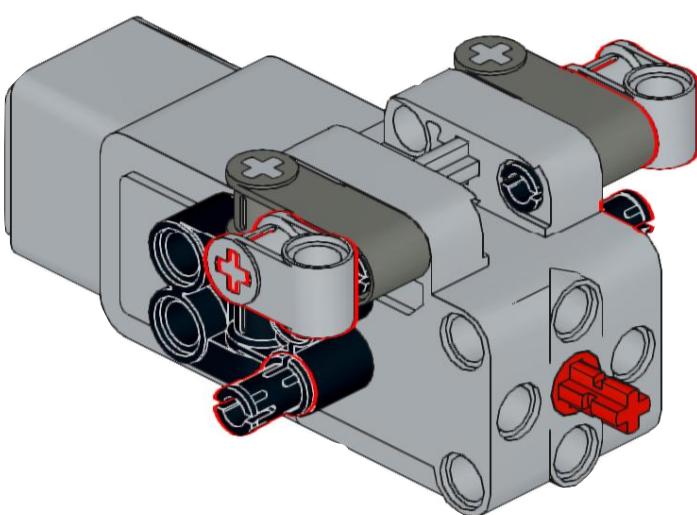
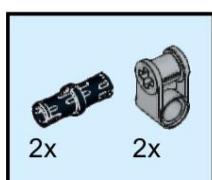
14



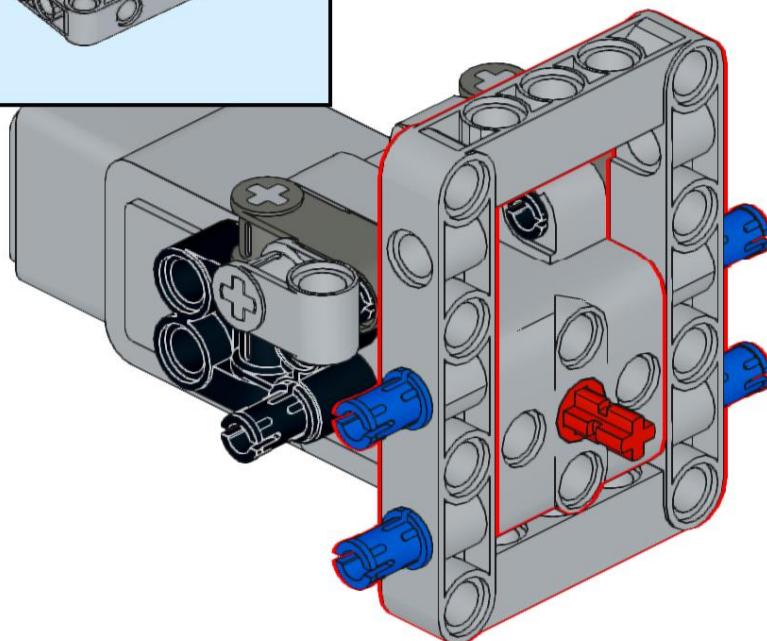
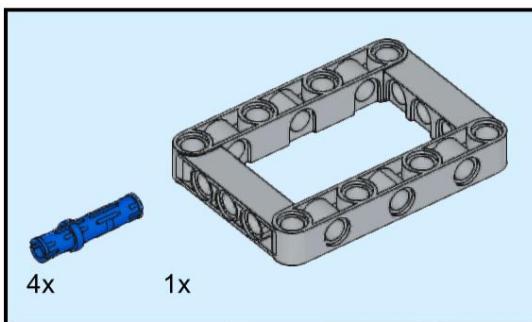
15



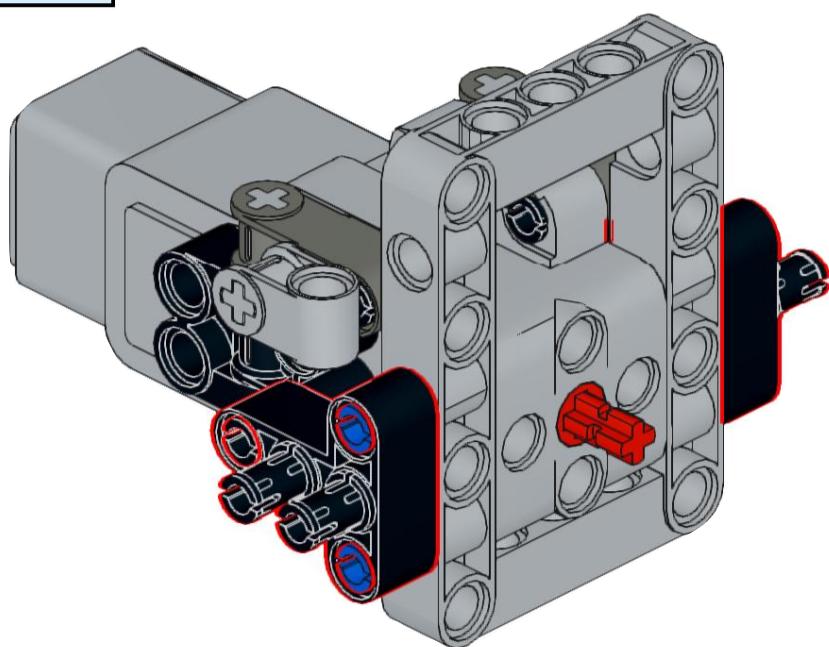
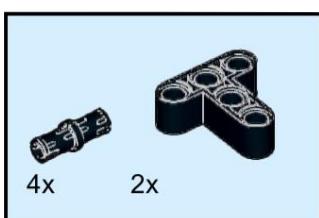
16



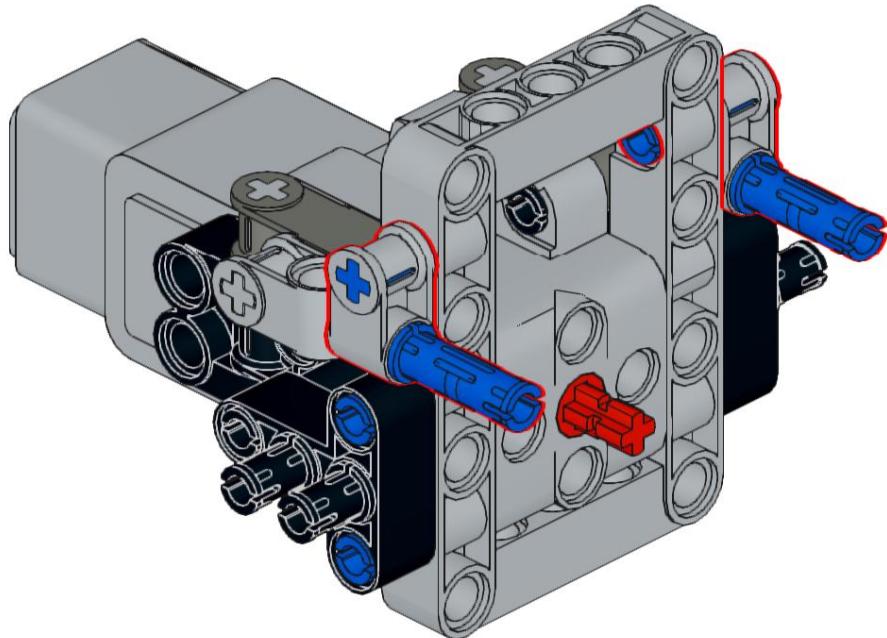
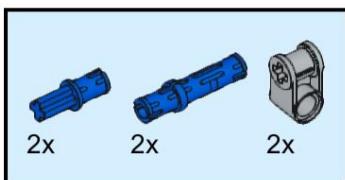
17



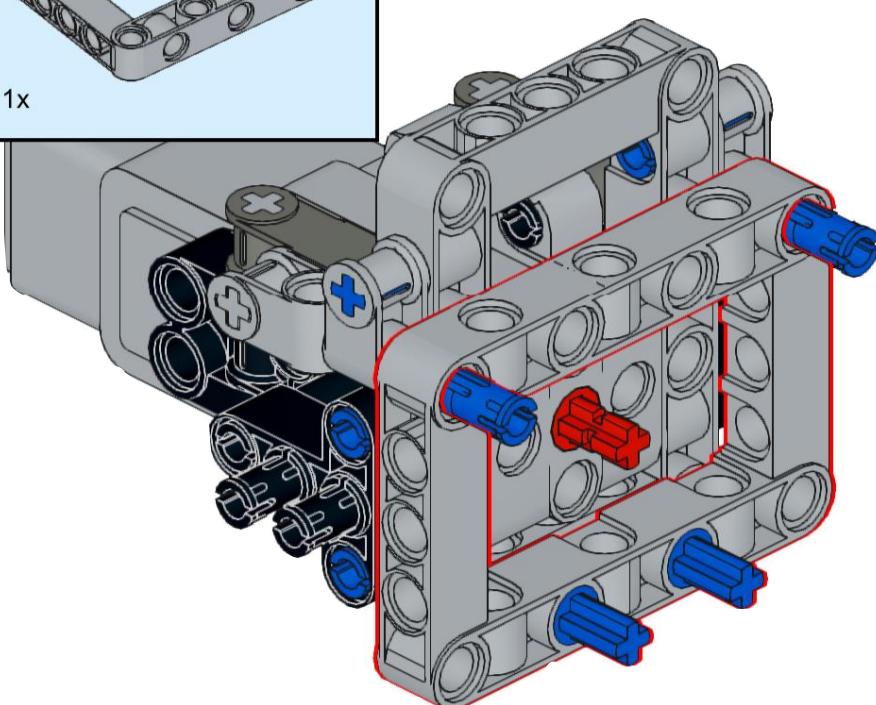
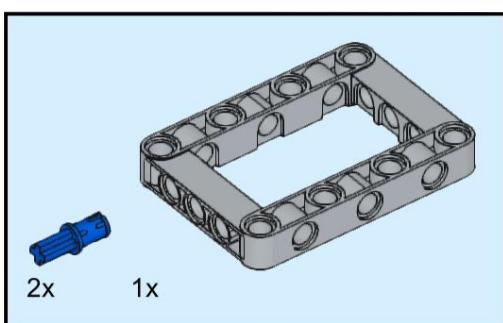
18

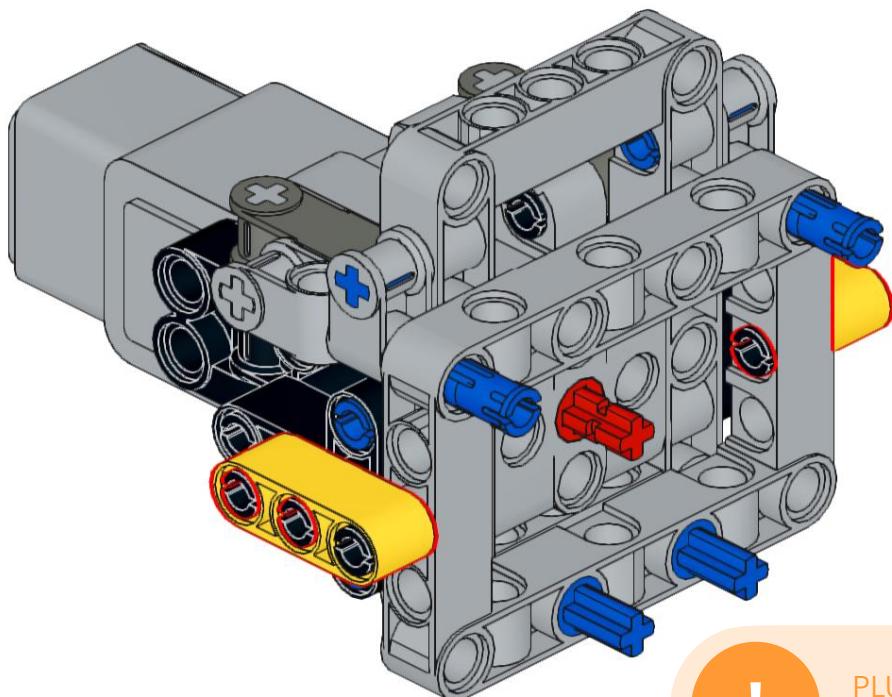
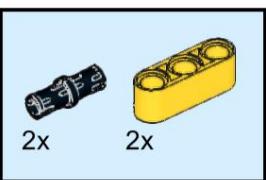


19

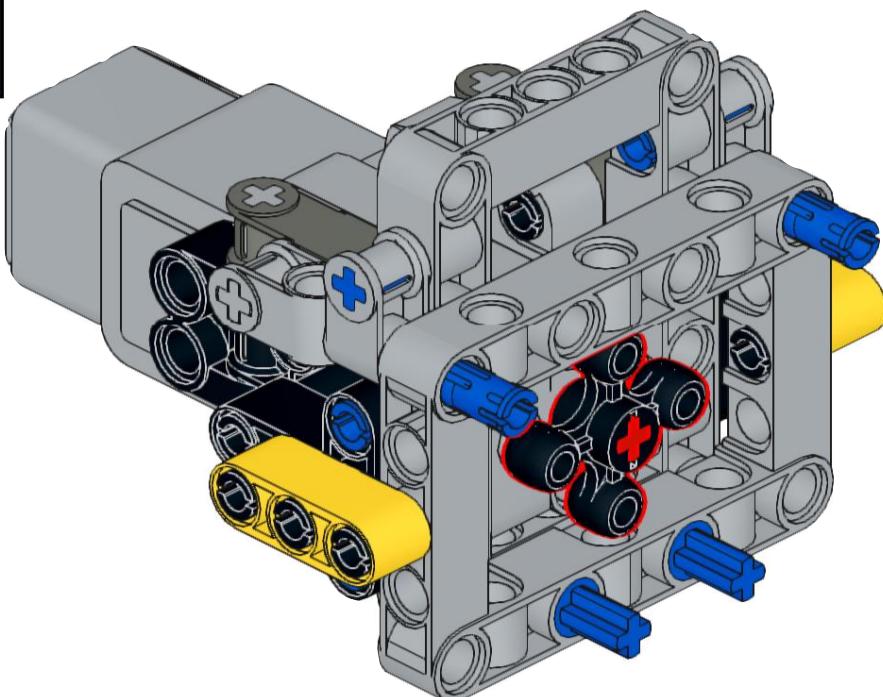


20

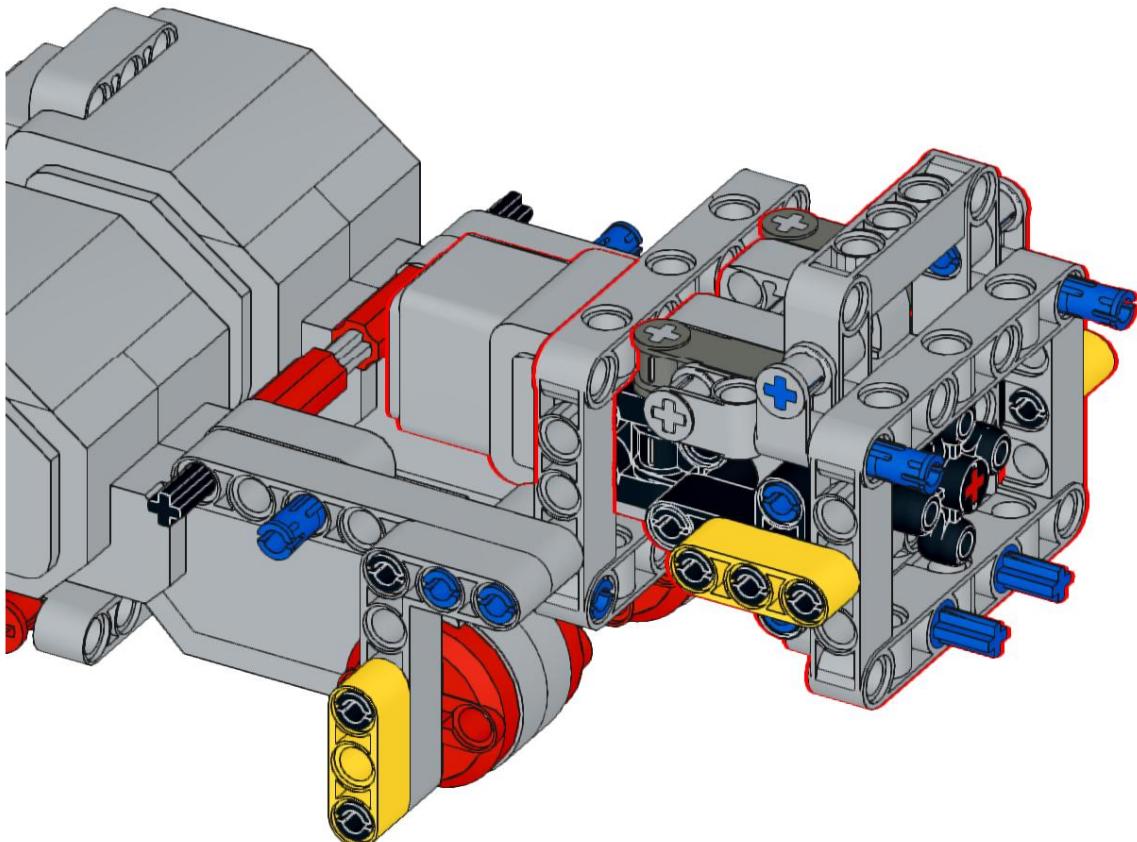


**21**

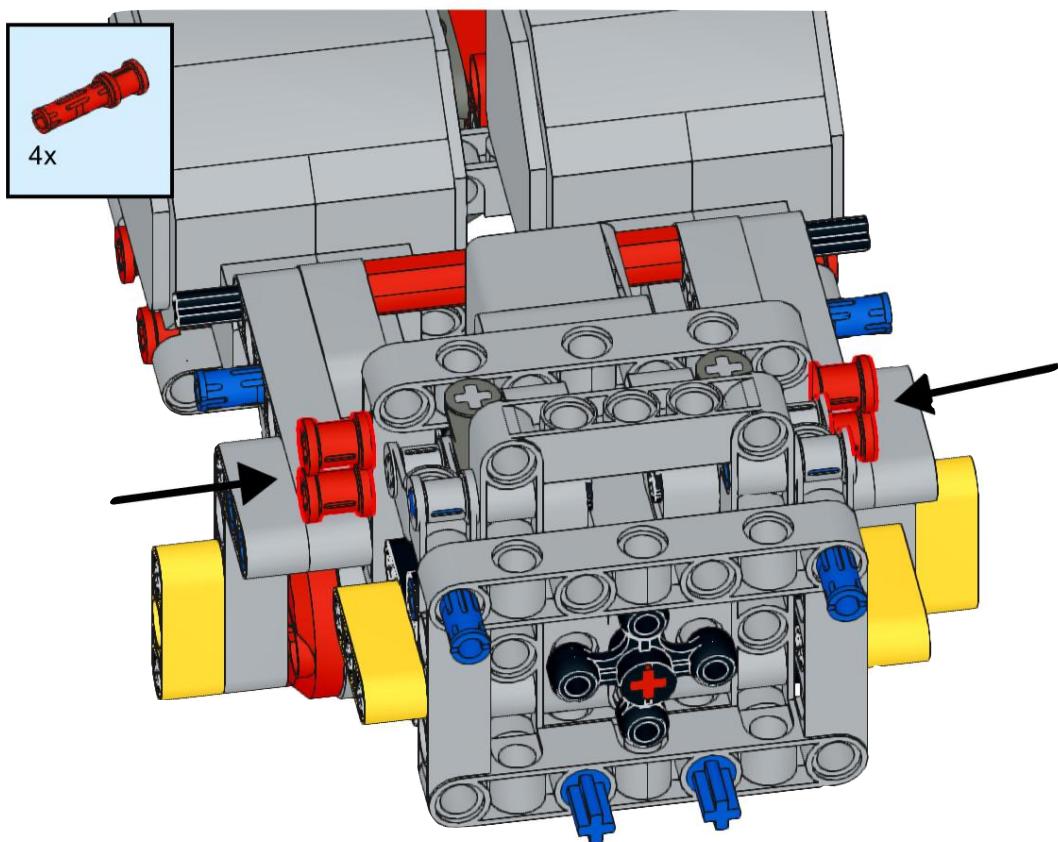
PLUG CABLES TO THE MOTORS AT THIS STEP

**22**

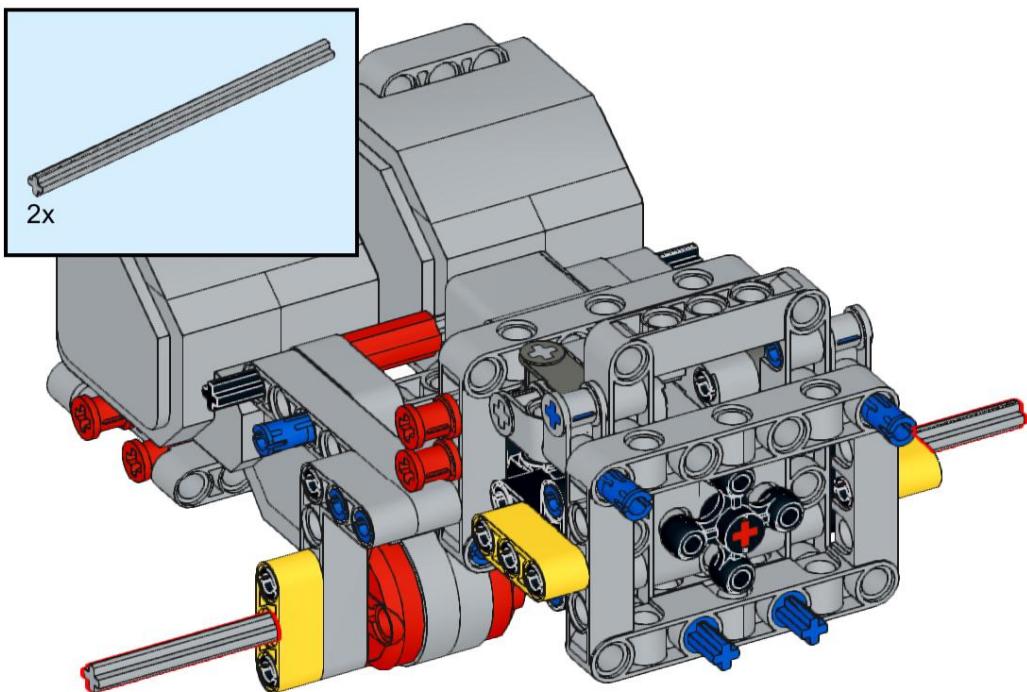
23



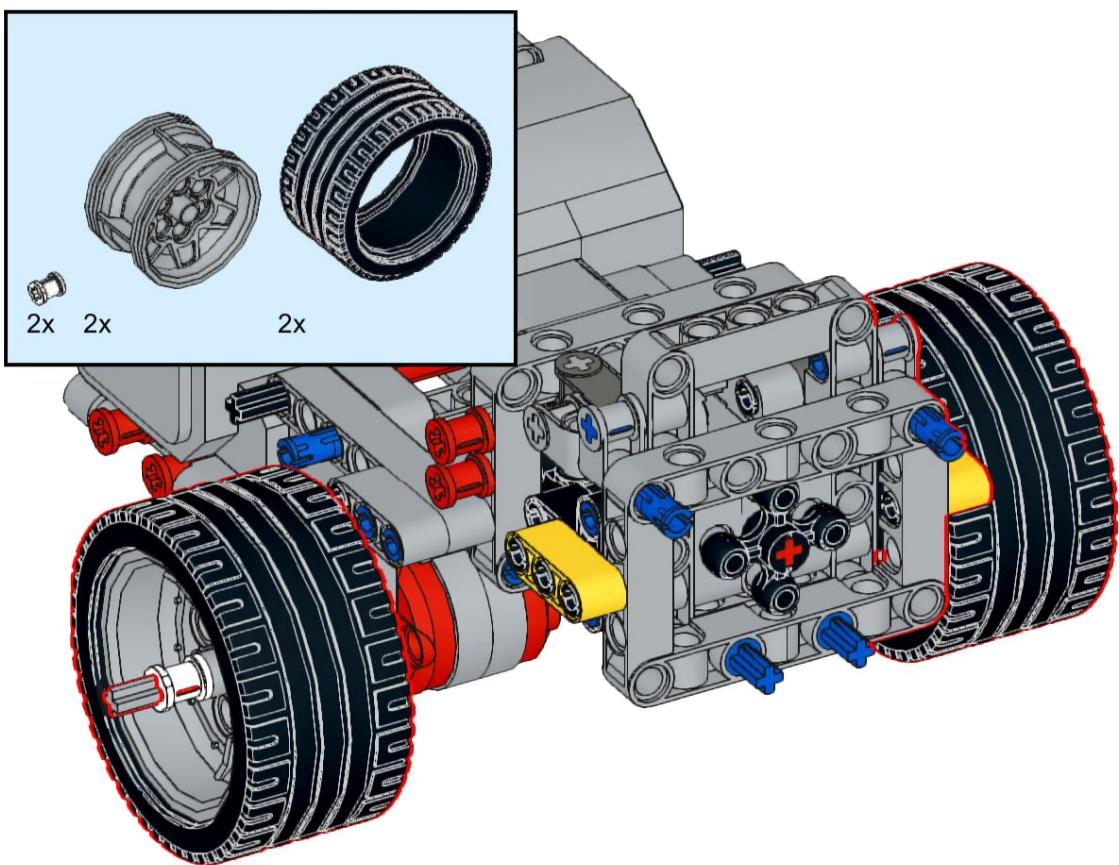
24

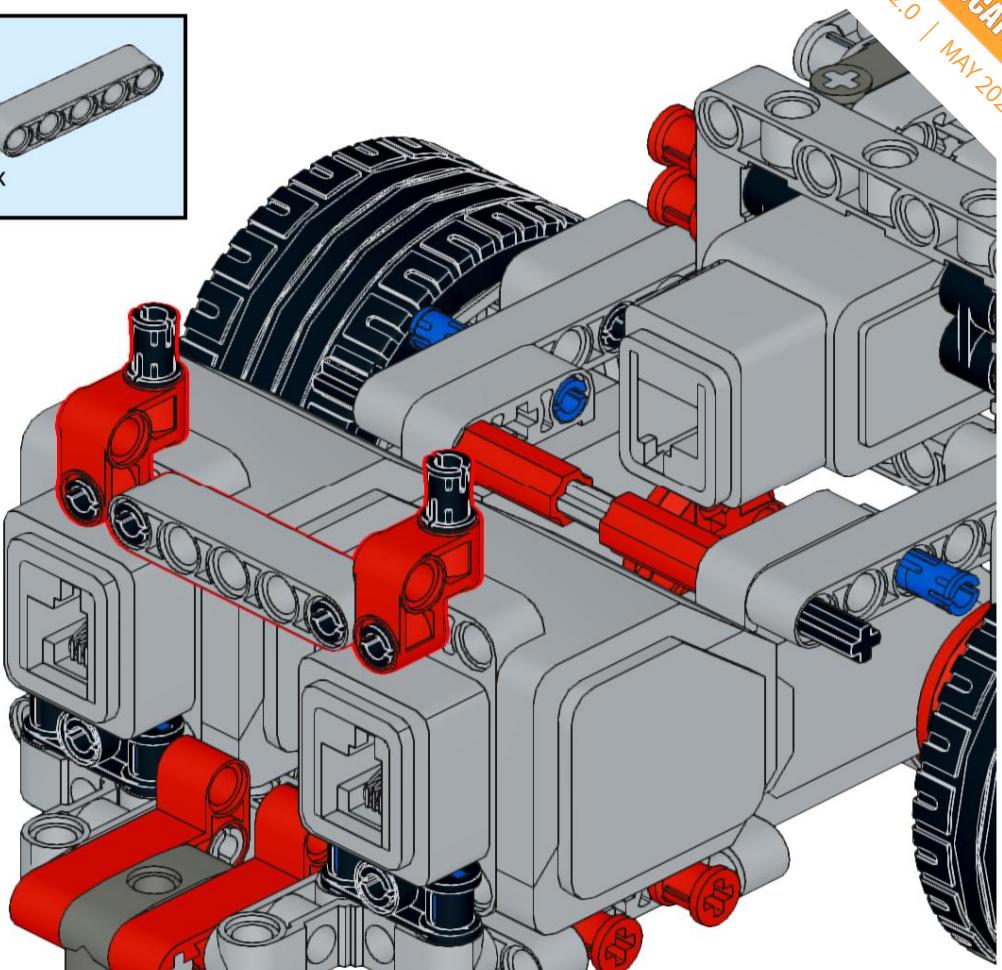
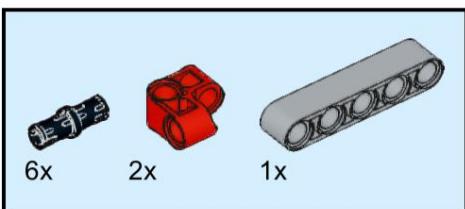
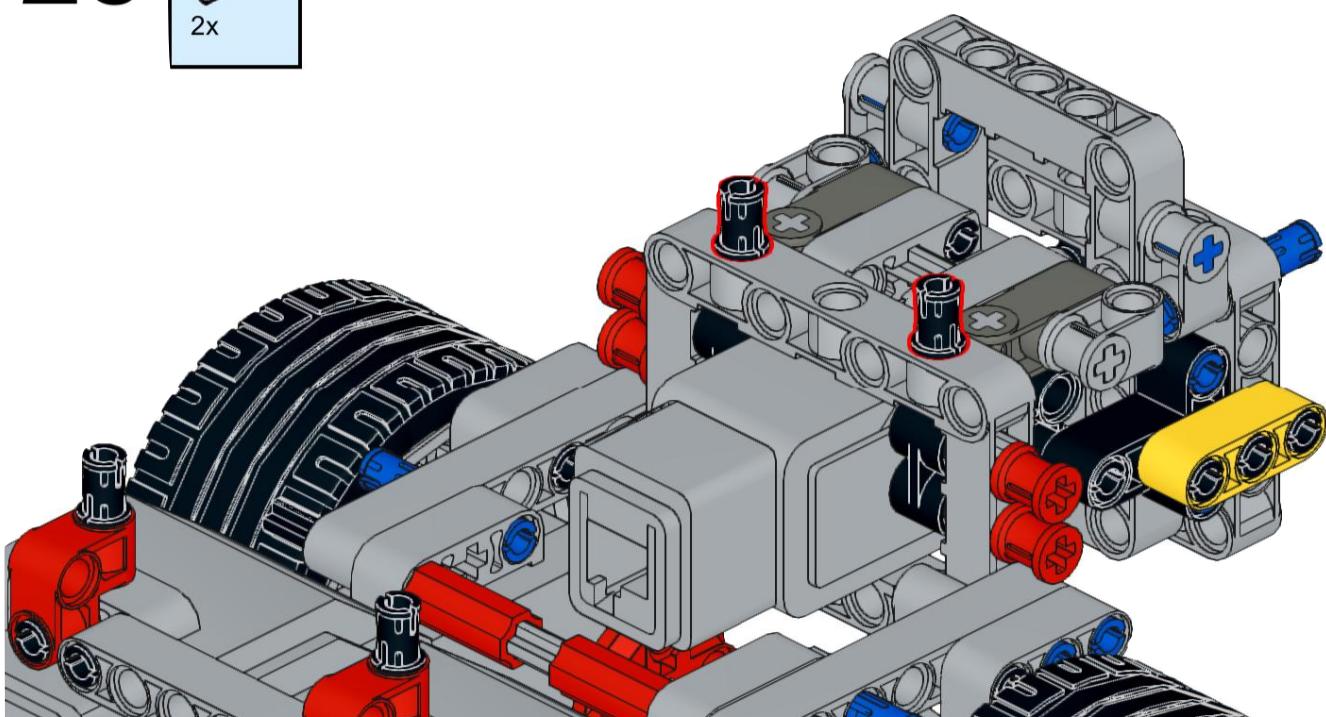


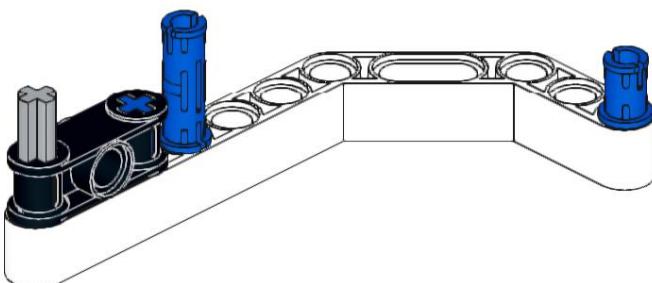
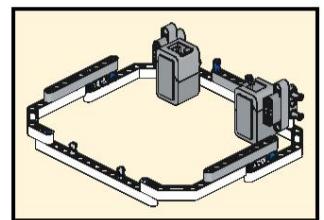
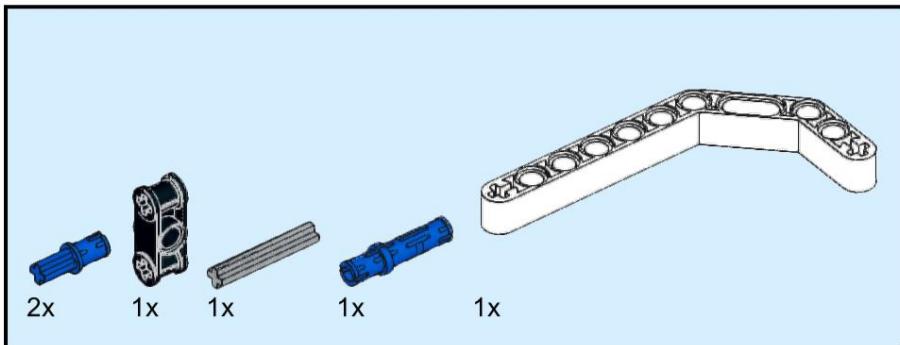
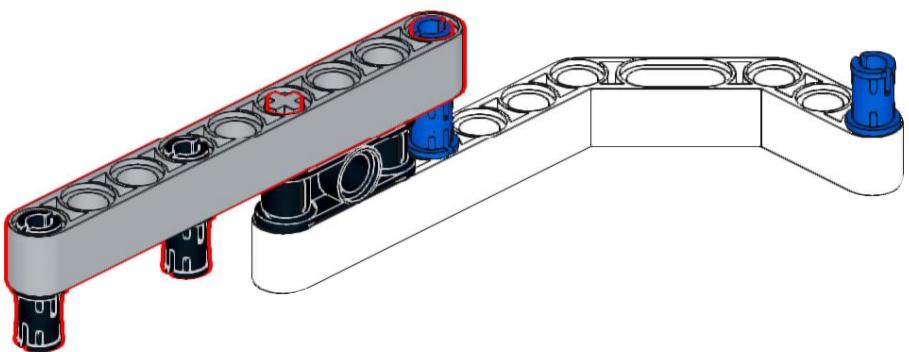
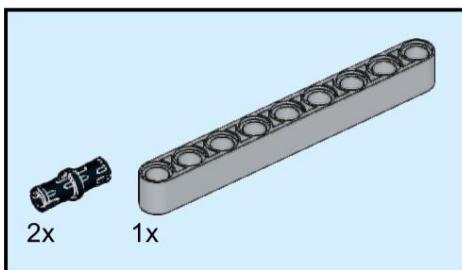
25



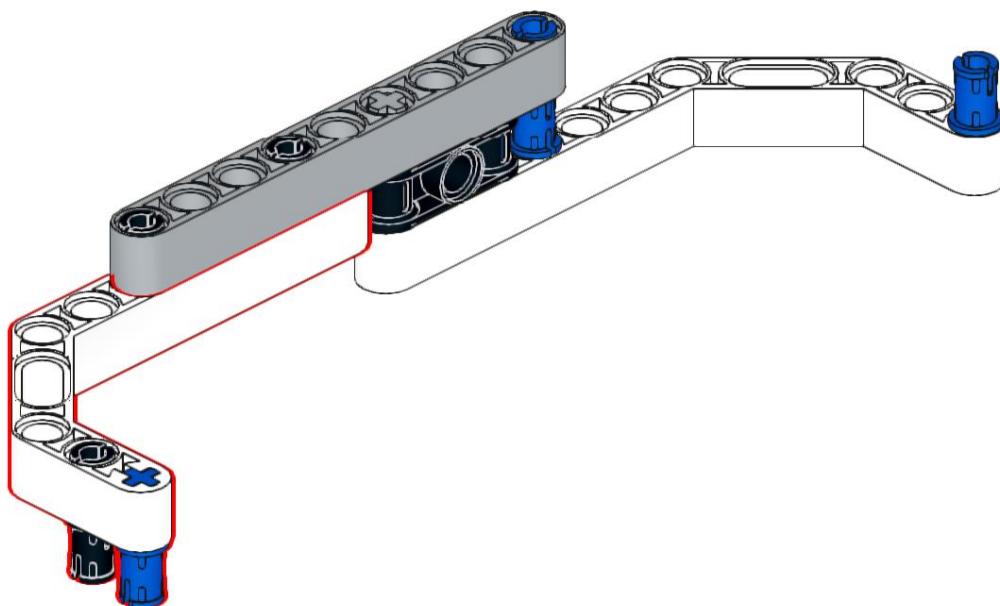
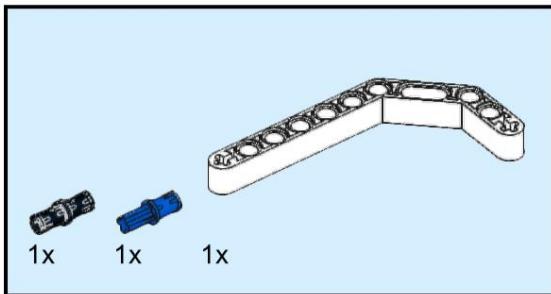
26



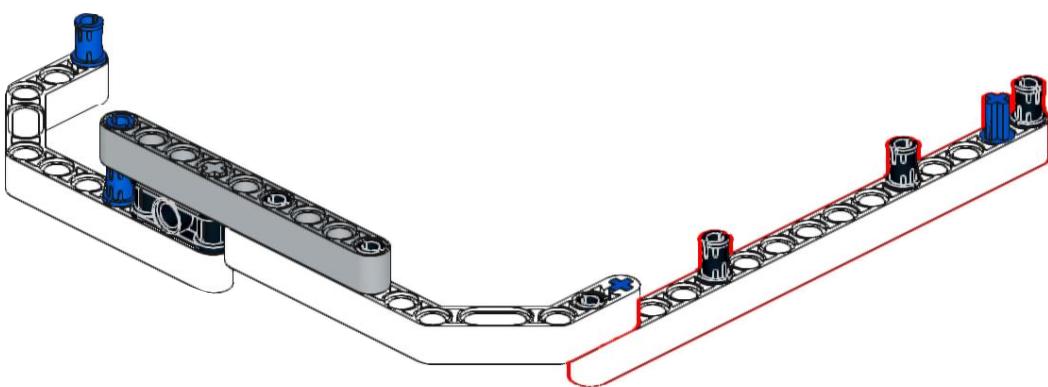
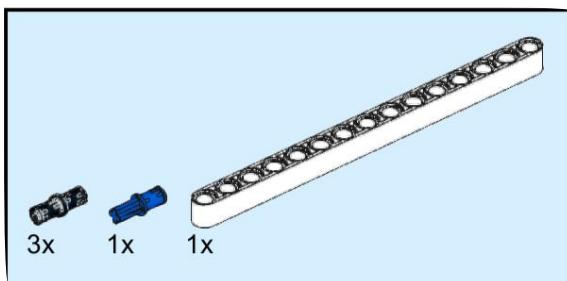
**27****28**

**29****30**

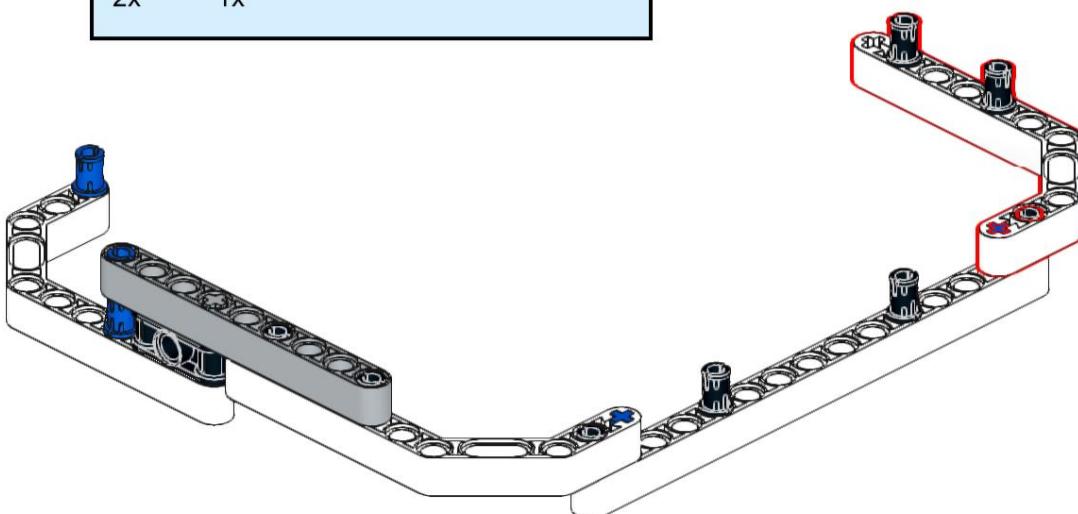
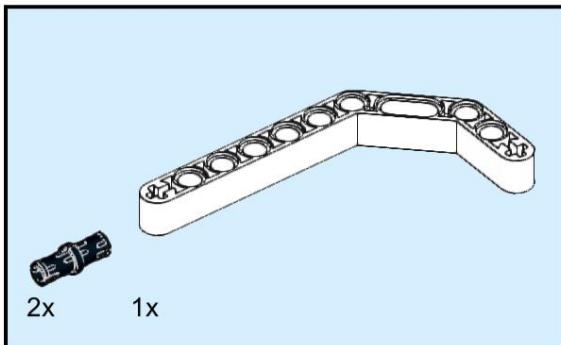
31



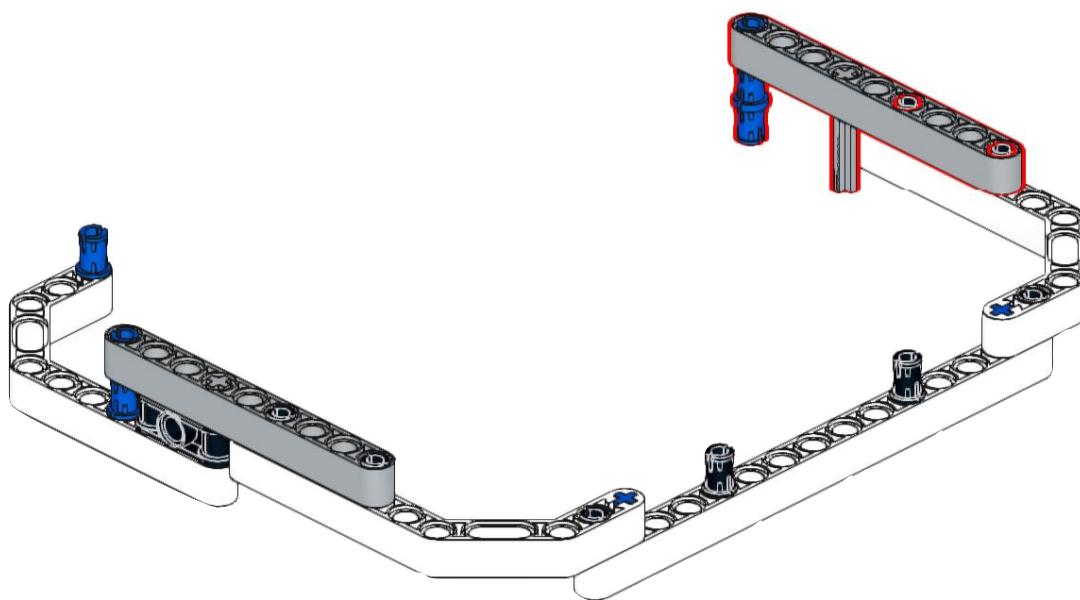
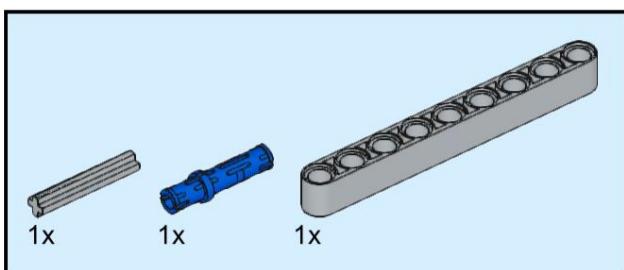
32

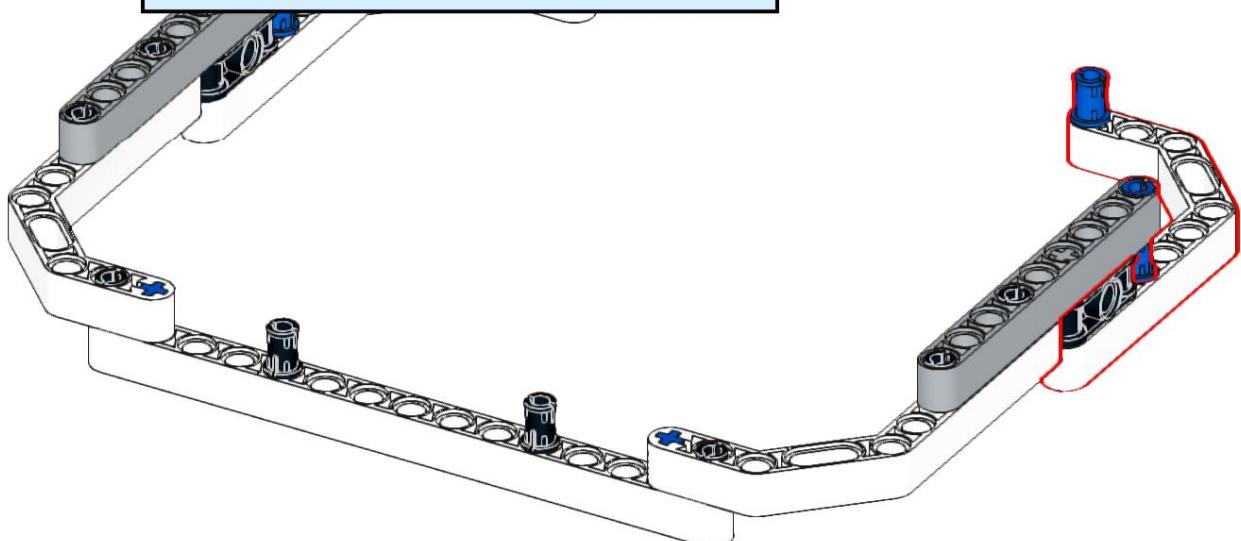
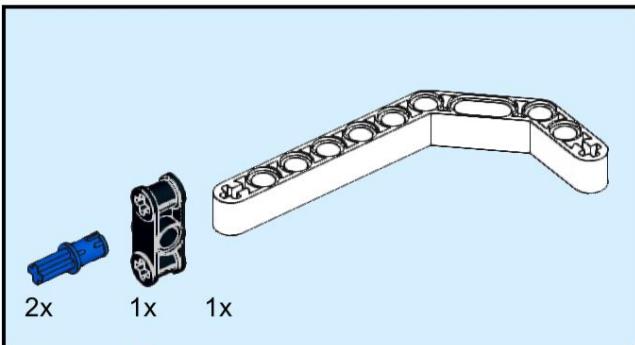
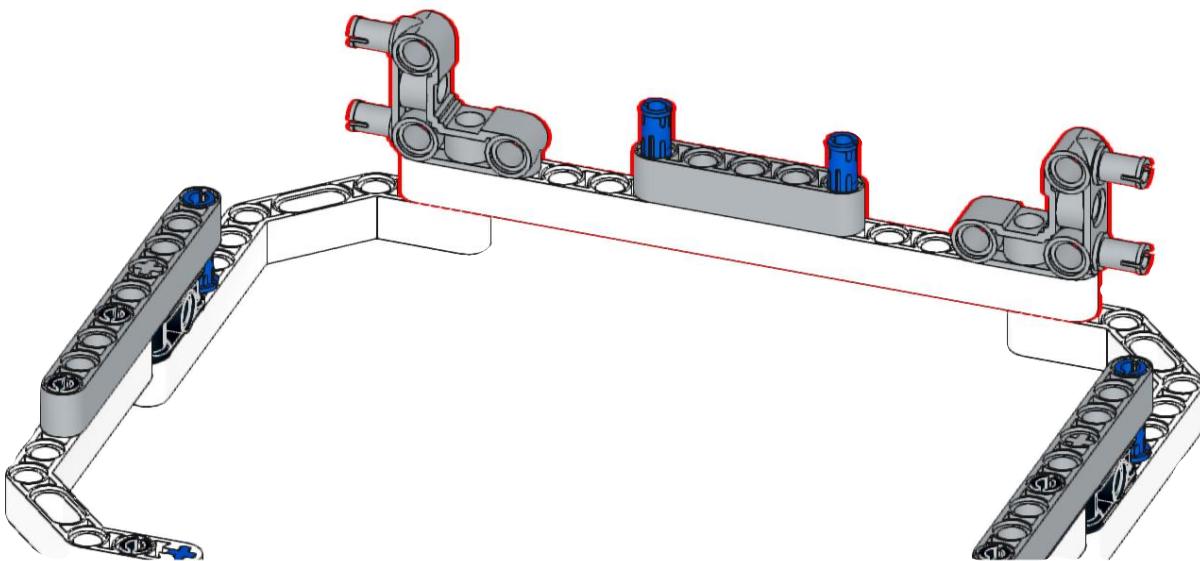
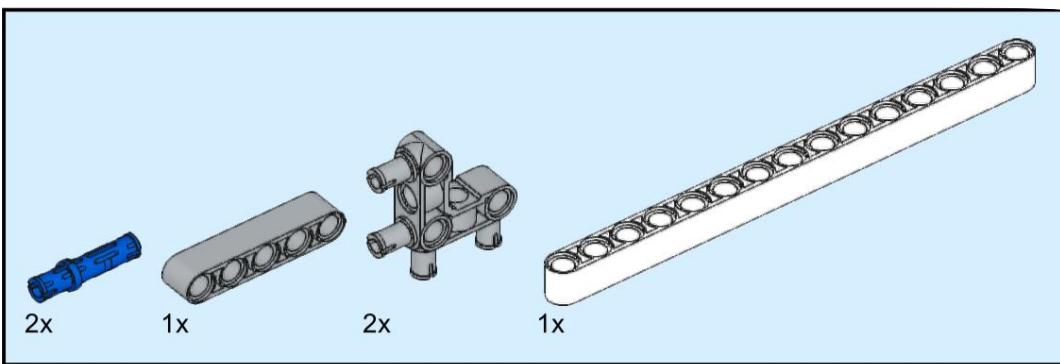


33

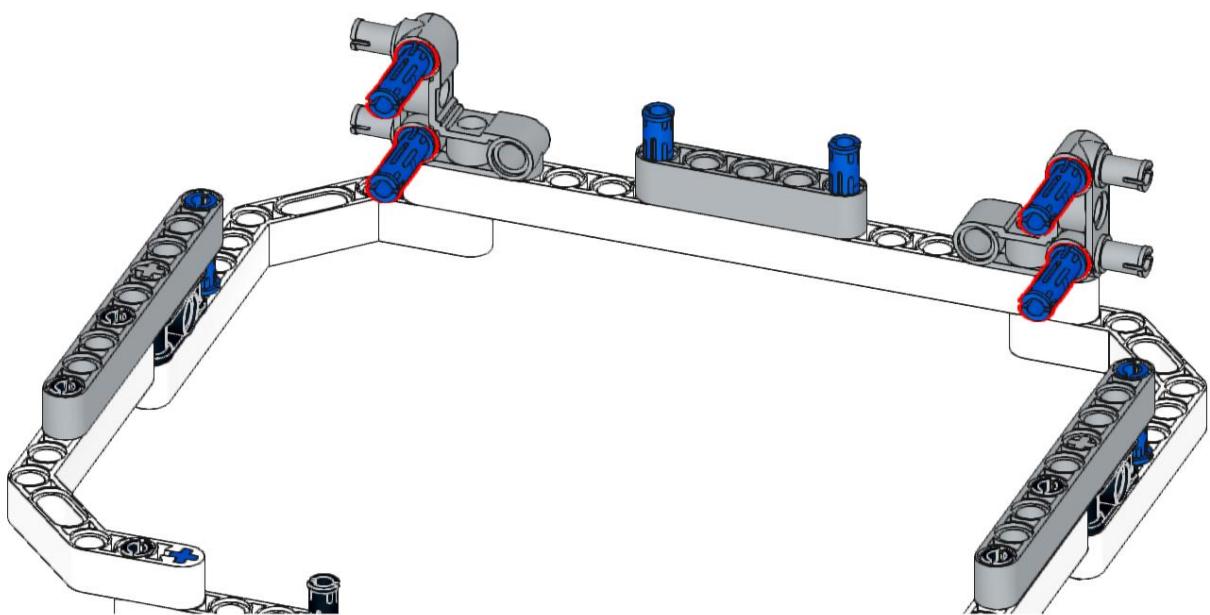
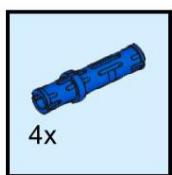


34

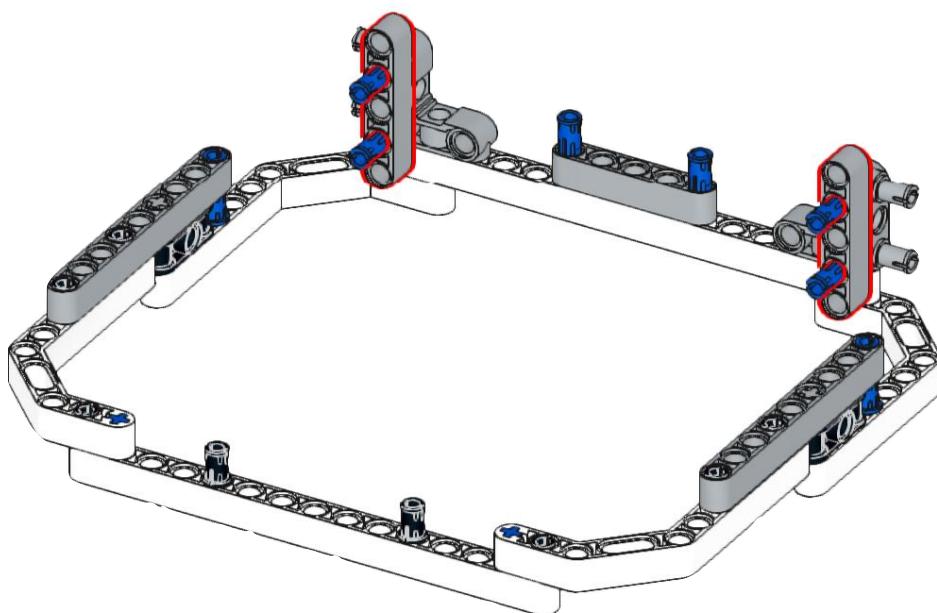
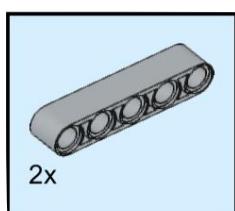


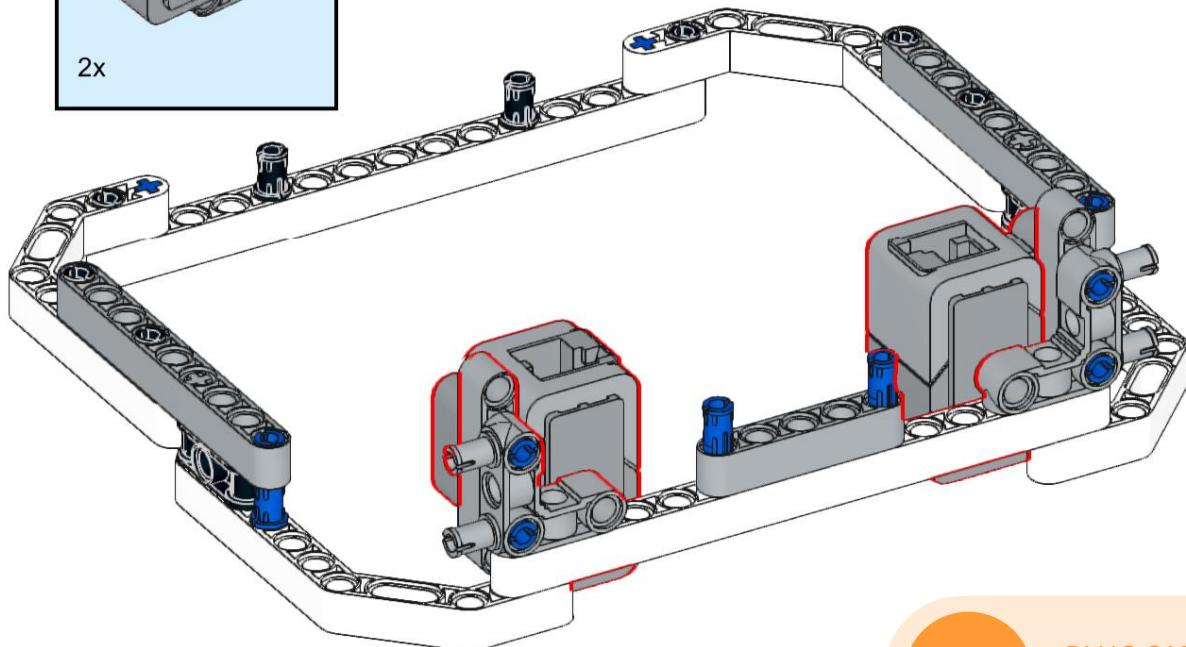
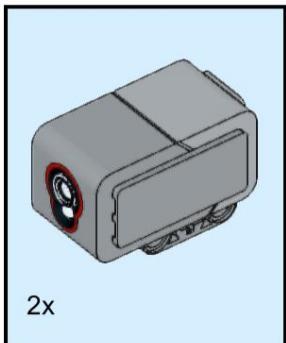
**35****36**

37

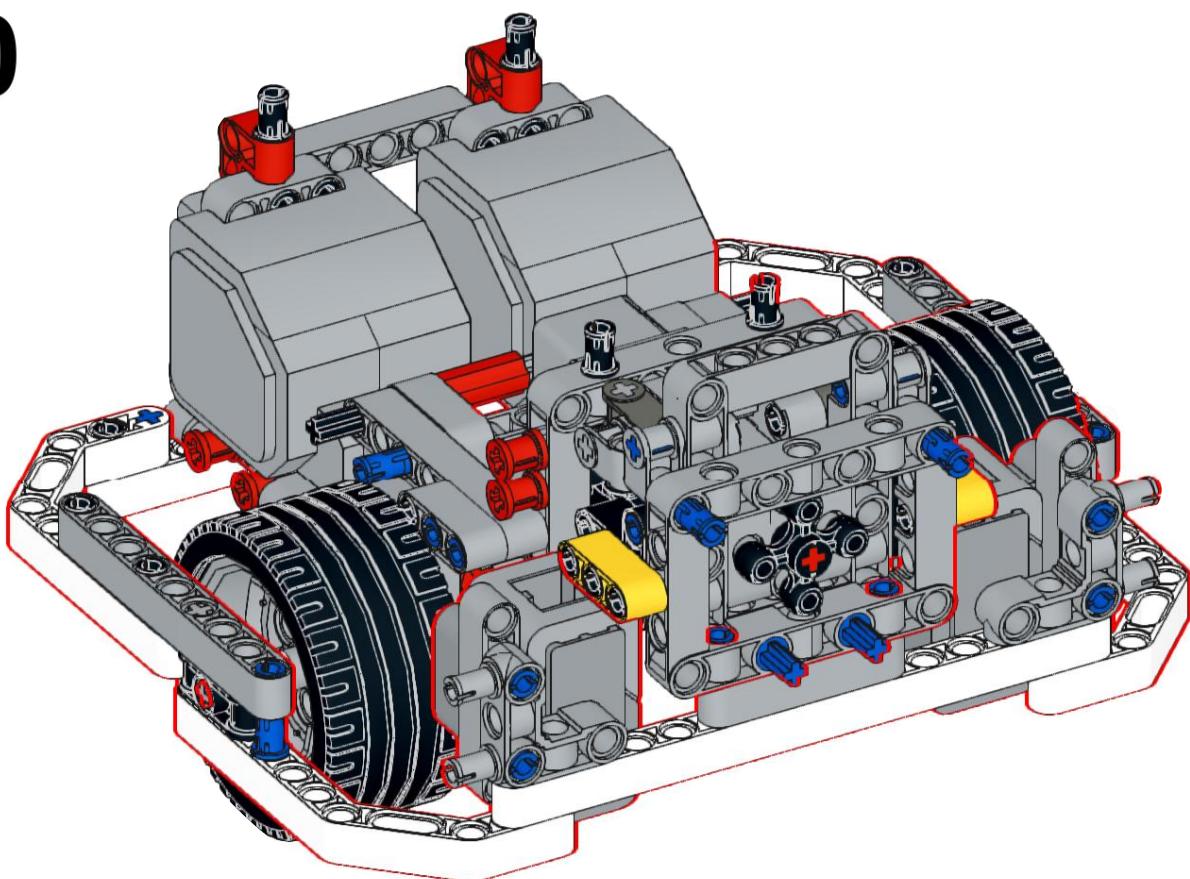


38

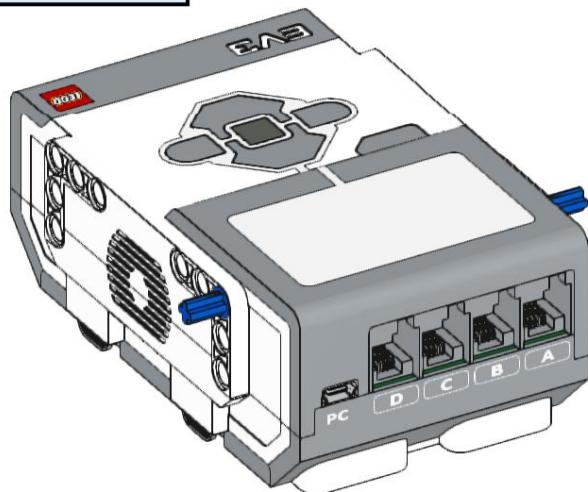
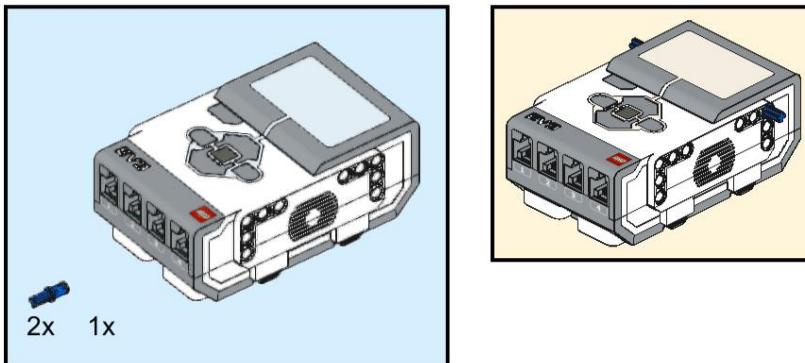


**39**

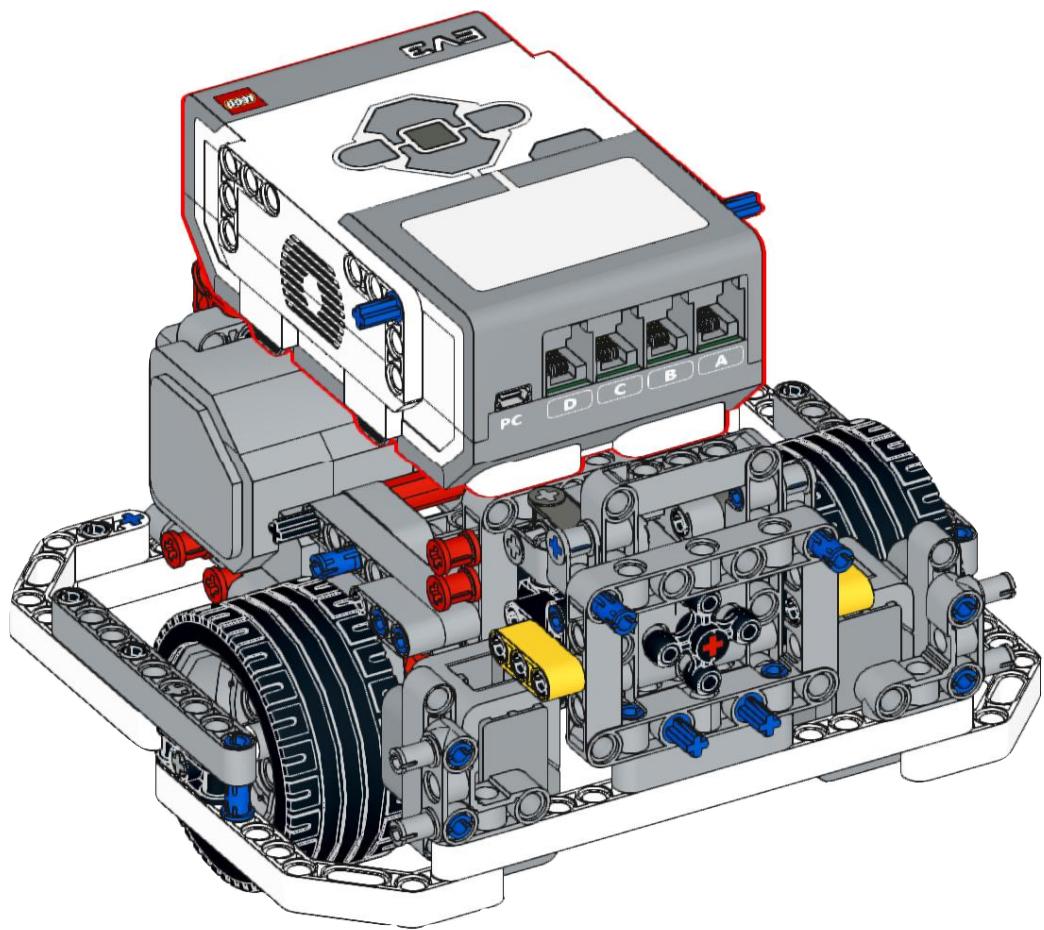
PLUG CABLES TO THE  
SENSORS AT THIS STEP

**40**

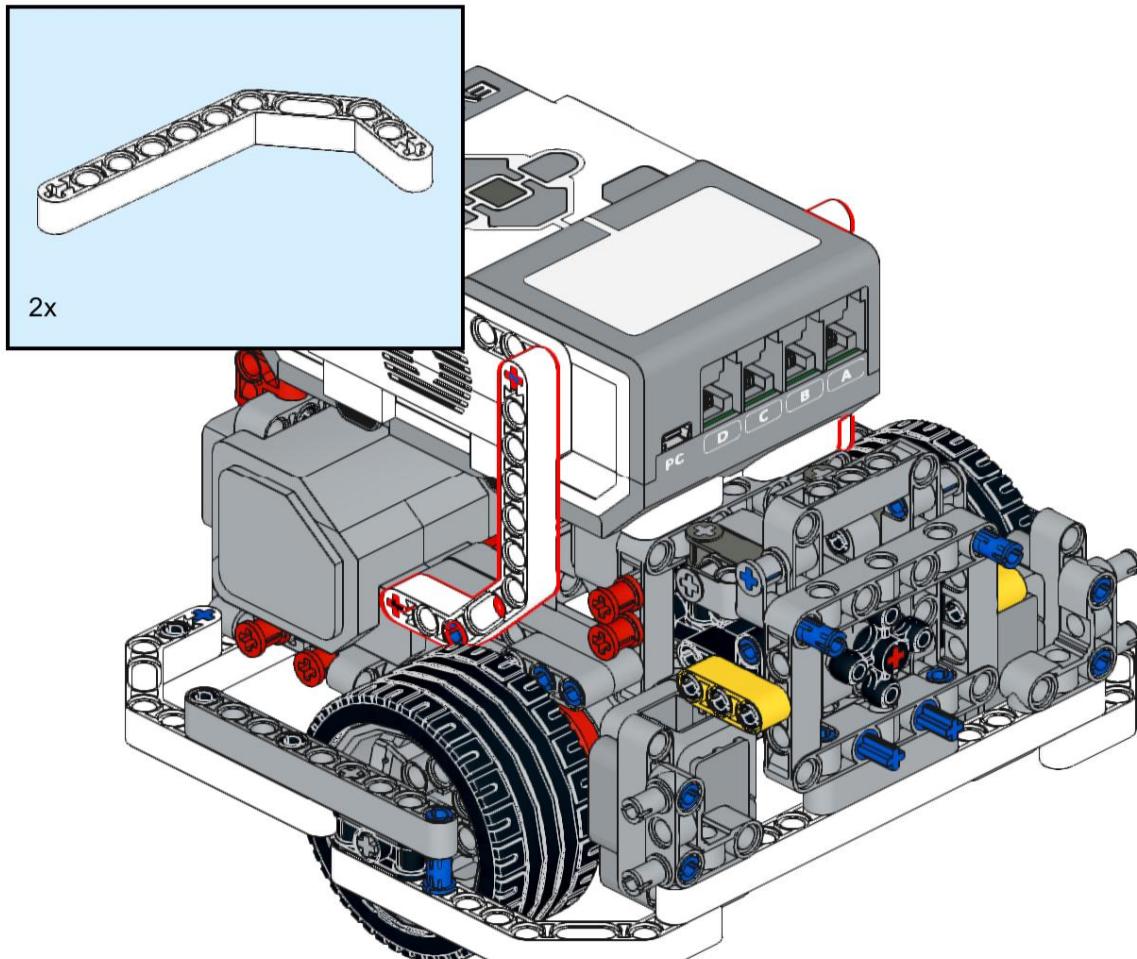
41



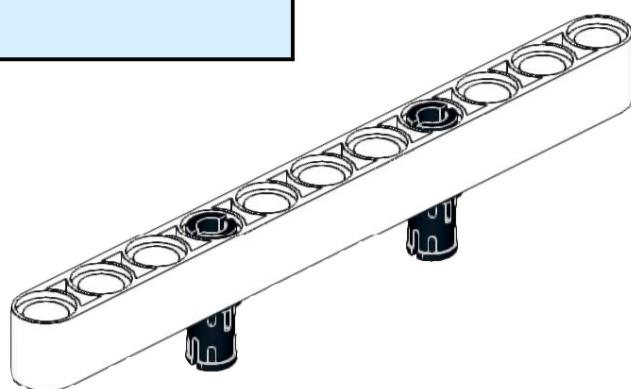
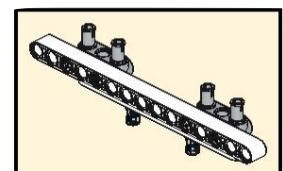
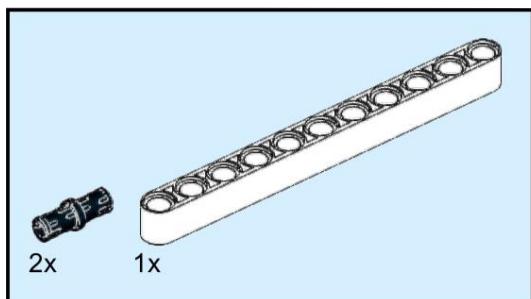
42



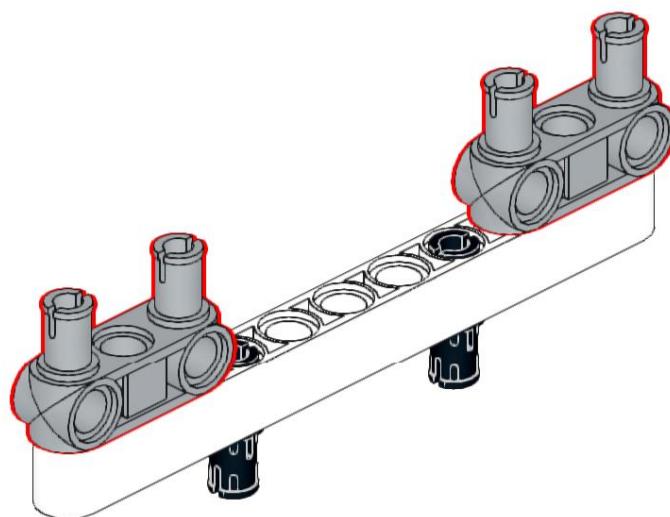
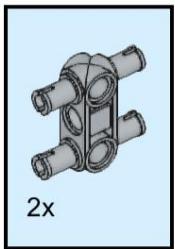
43



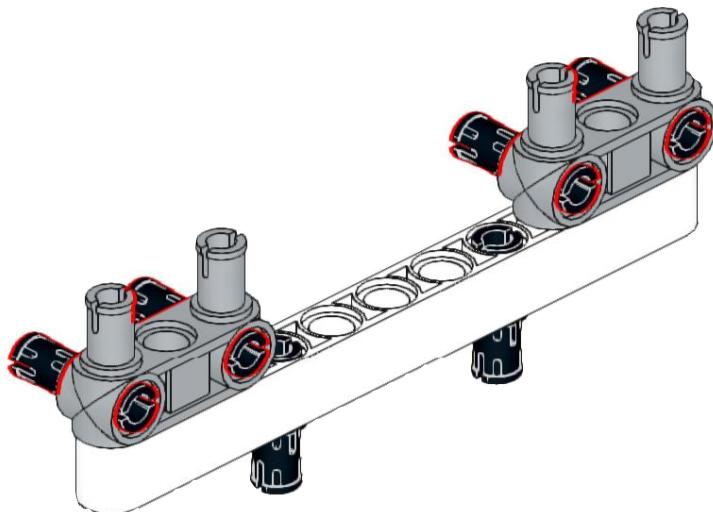
44



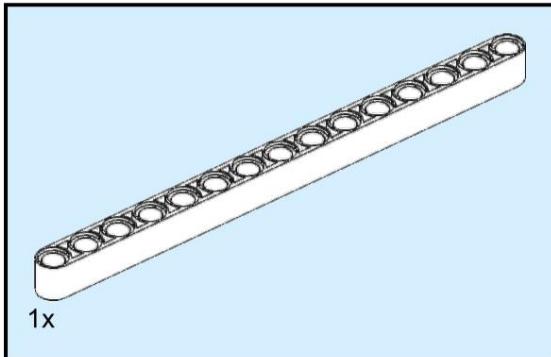
45



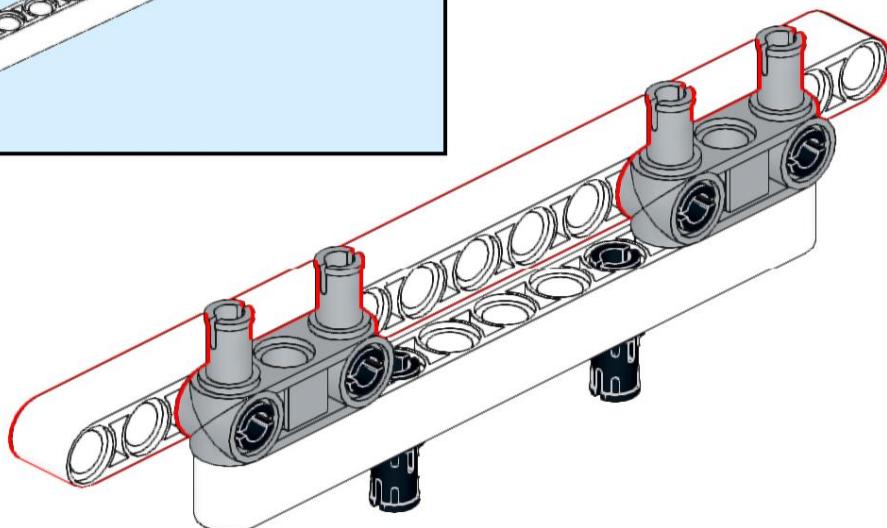
46



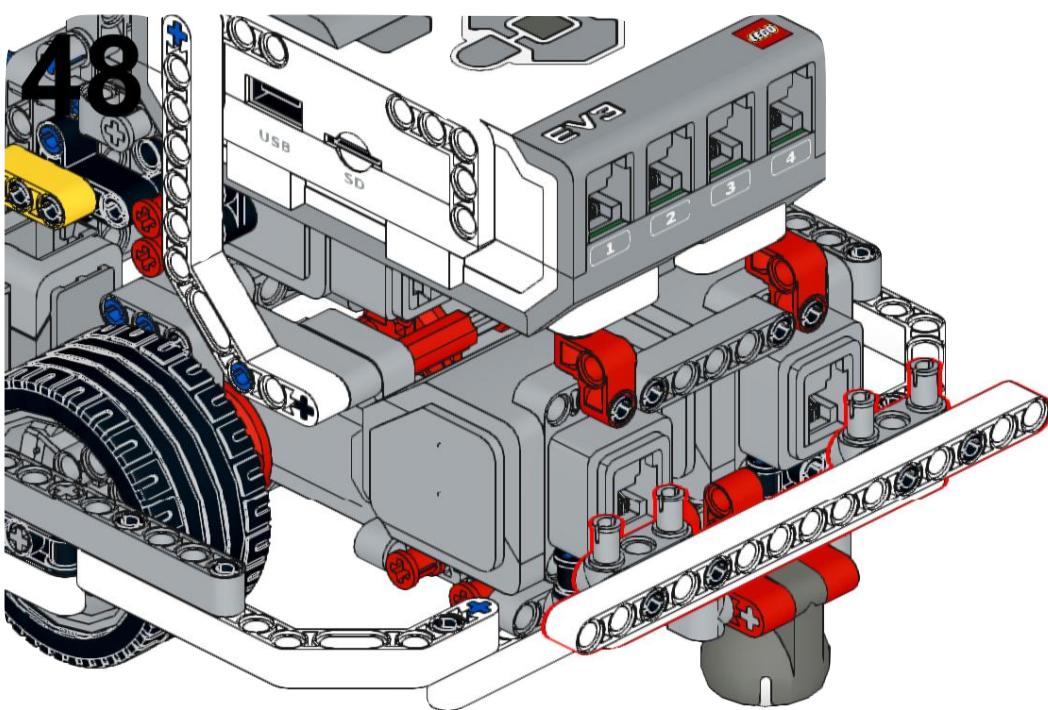
47



1x

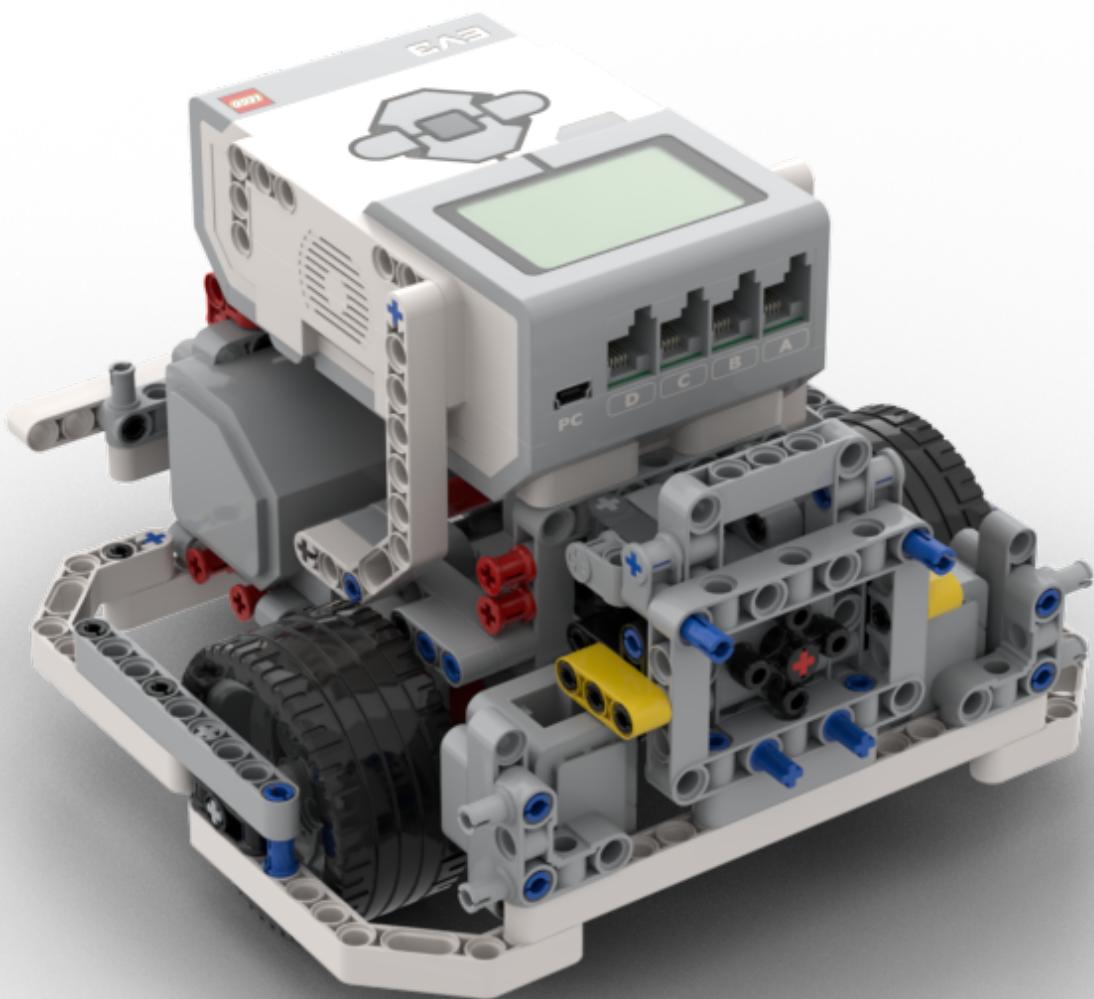


48



THAT'S IT!

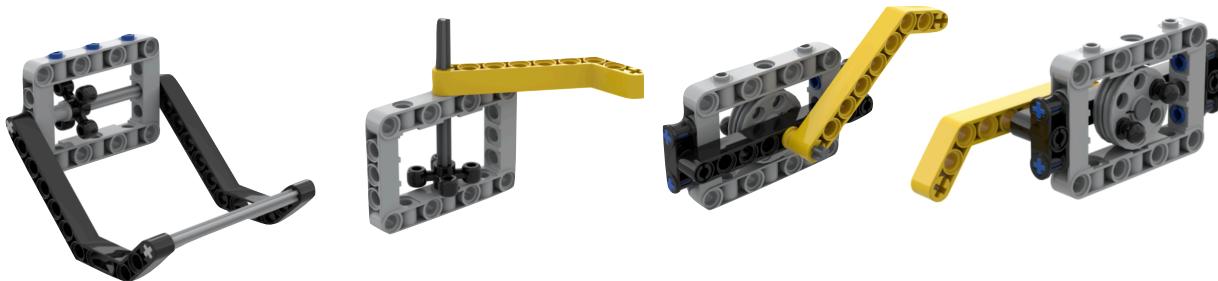
WELL DONE :)



# BUILDING AN ATTACHMENT BASE

A significant advantage of the **LEGO EDUCATOR ++** is an easy attachment system that doesn't need a lot of parts, almost any system, big or small can be attached to it!

Here are a few examples of the ways power can be transferred from the base to the attachment:



The attachment is built on a beam frame (part #64179), that attaches easily to another frame on the base robot (that has two blue pins, that can't pull out, and two axle pins).

If the attachments is bigger or heavier, you can secure it with a "lock" as explained in the picture below.

