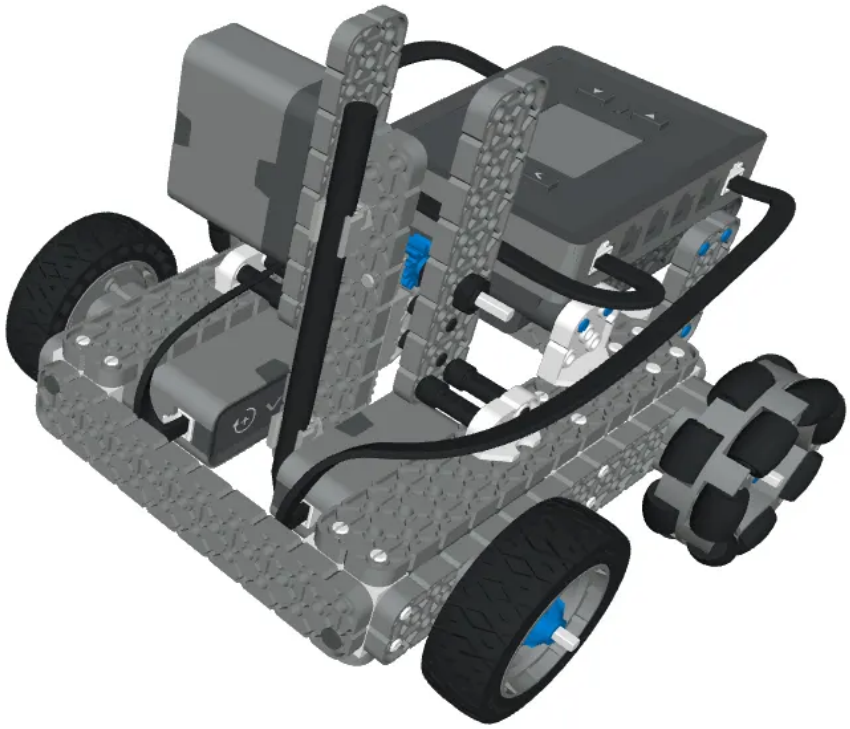
VEX IQ

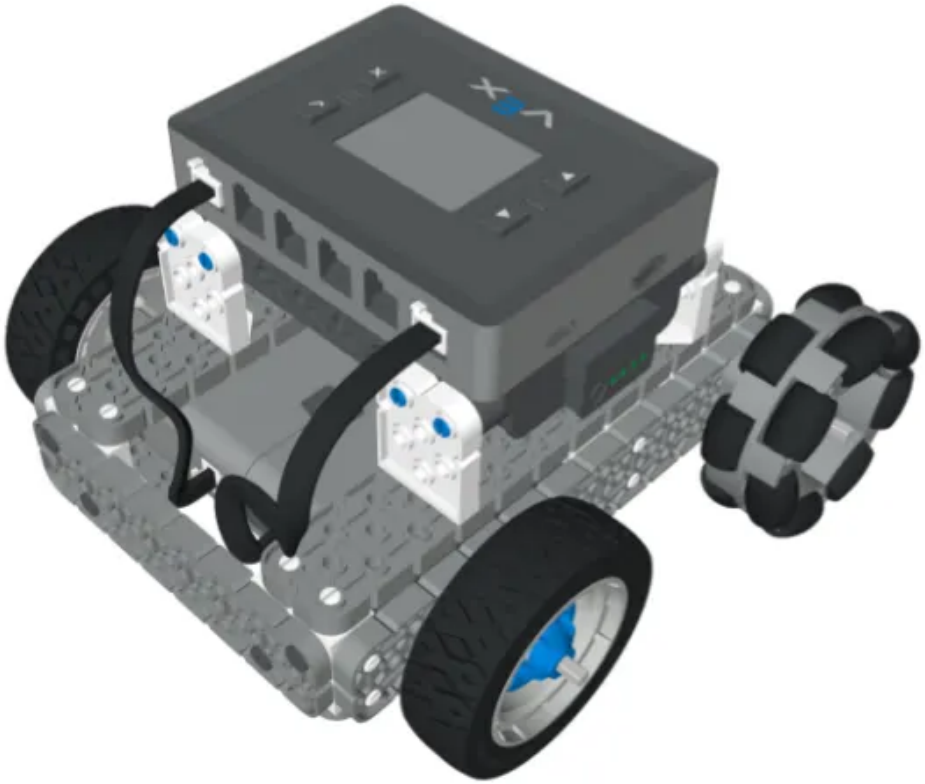
3D Build Instructions

Basebot + Pen Holder



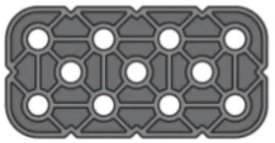
Copyright © 2025. All Rights Reserved.
VEX Robotics, Inc. is a subsidiary of Innovation First International, Inc.

***This build requires IQ Linear Motion Pack**

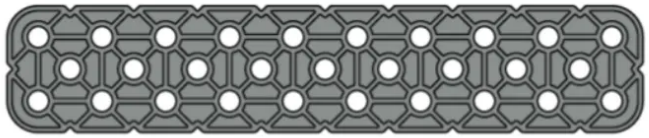


1x IQ Basebot

Beams & Plates



2x 2x4 Beam



3x 2x10 Beam

Pins & Standoffs



10x 1x1 Connector Pin



4x 0.5x Pitch Standoff Extender

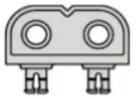


4x 0.5x Pitch Standoff

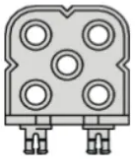


4x 1x Pitch Standoff

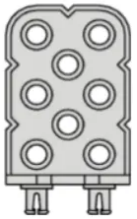
Connectors



2x 2x Wide, 1x2 Corner Connector



2x 2x Wide, 2x2 Corner Connector



2x 2x Wide, 3x2 Corner Connector

Shafts



4x Rubber Shaft Collar



1x 0.25x Pitch Spacer



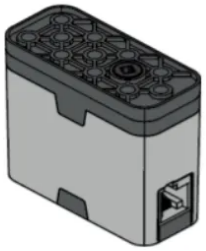
1x 6x Pitch Shaft

Gears



2x 12 Tooth Gear

Electronics



1x Smart Motor



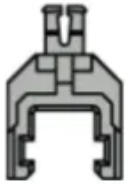
1x 200mm Smart Cable



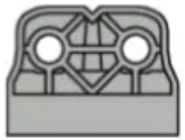
2x 300mm Smart Cable

***This requires** IQ Linear Motion Pack

Linear Motion



2x 1x Pitch Linear Motion Bracket

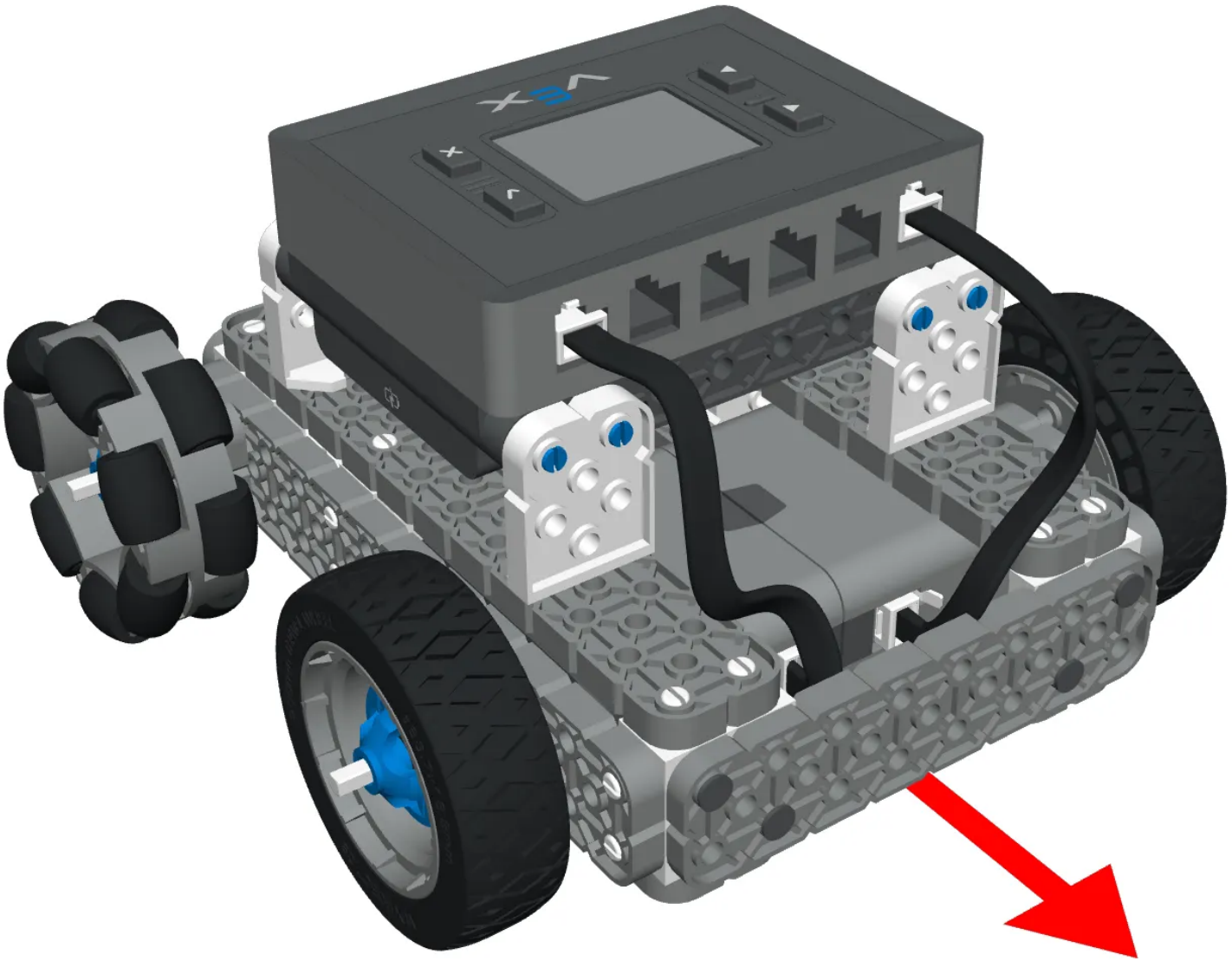


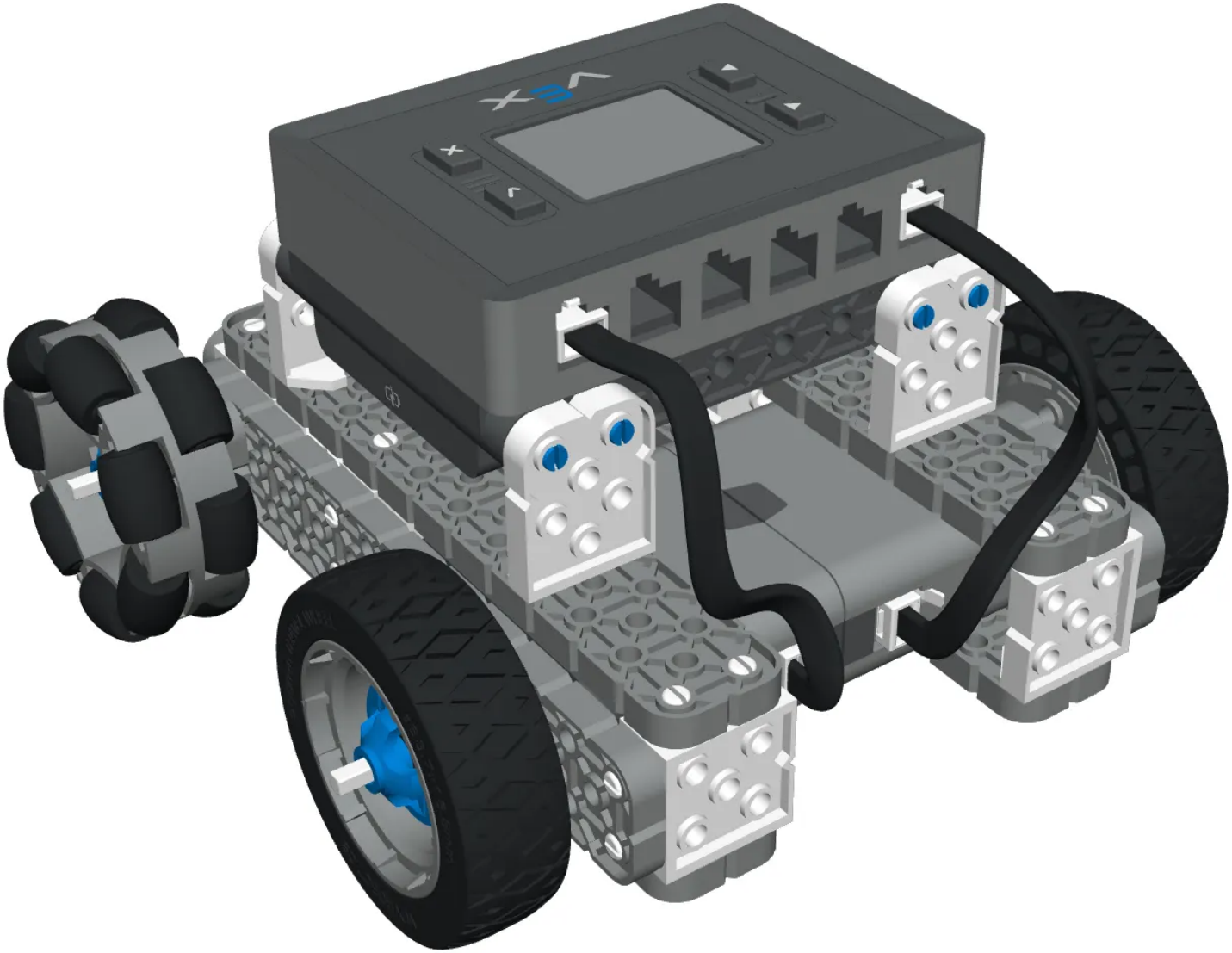
2x 2x Pitch Linear Motion Bracket



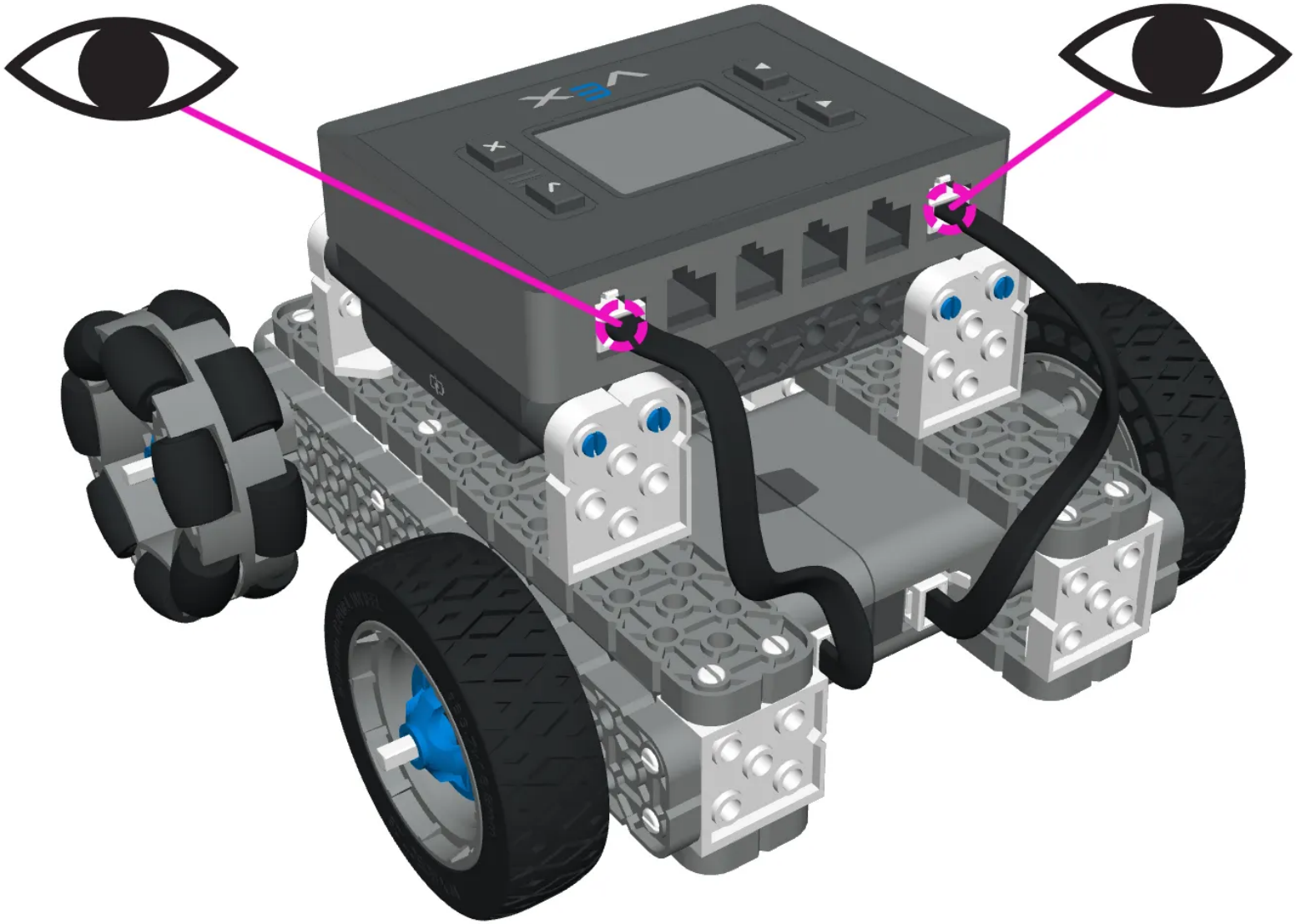
2x 1x6 Continuous Linear Motion Rack Gear

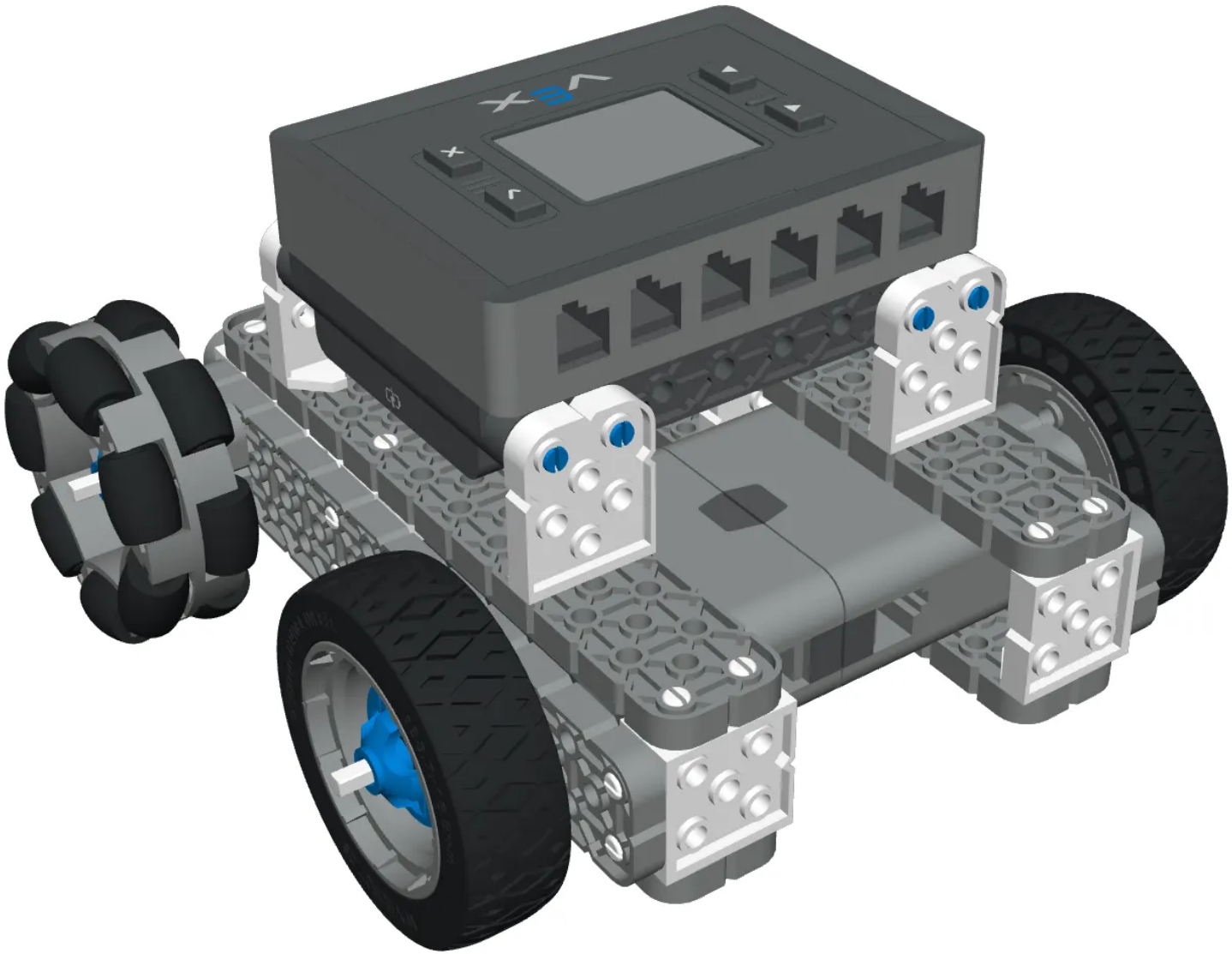
5

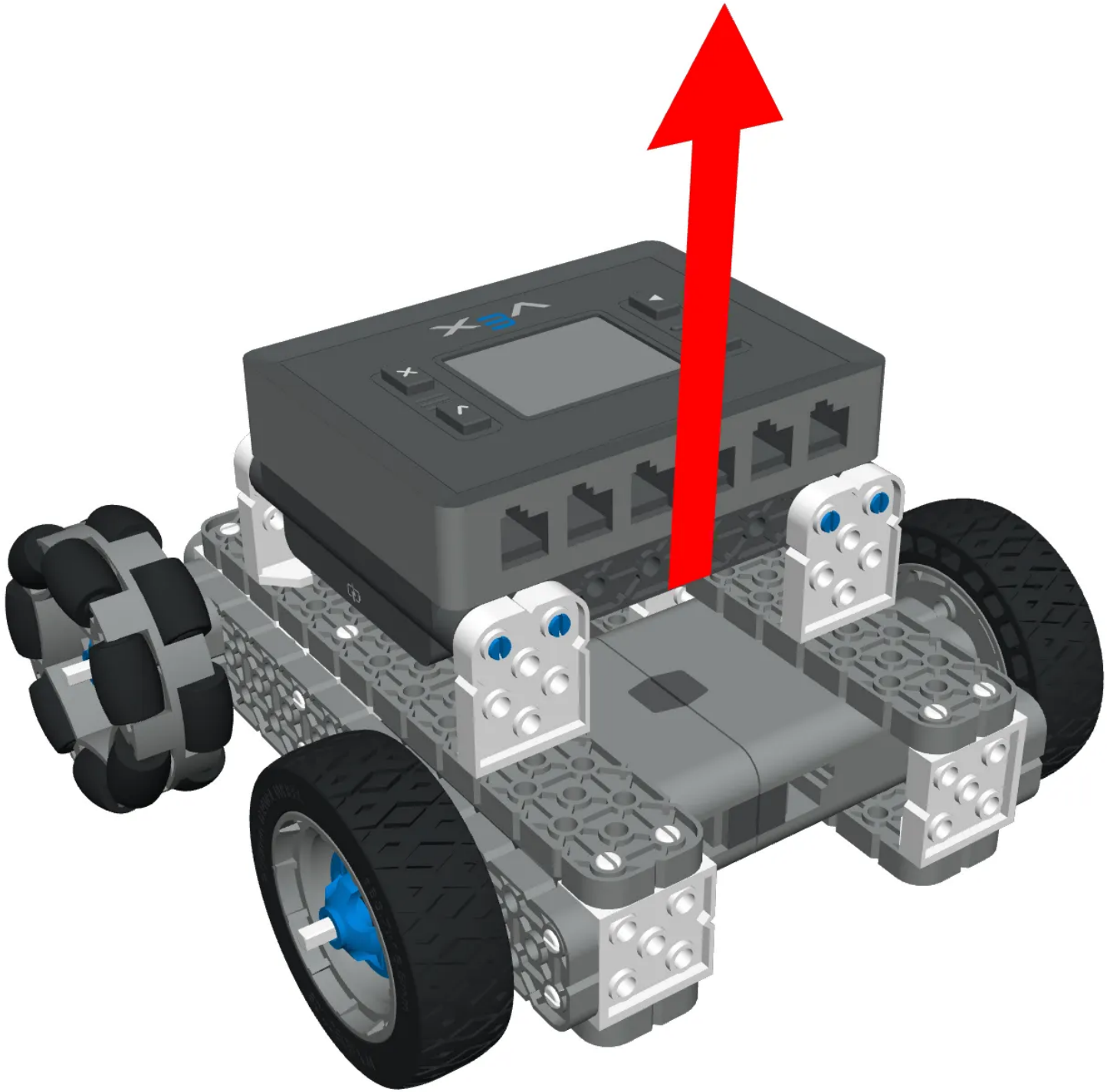


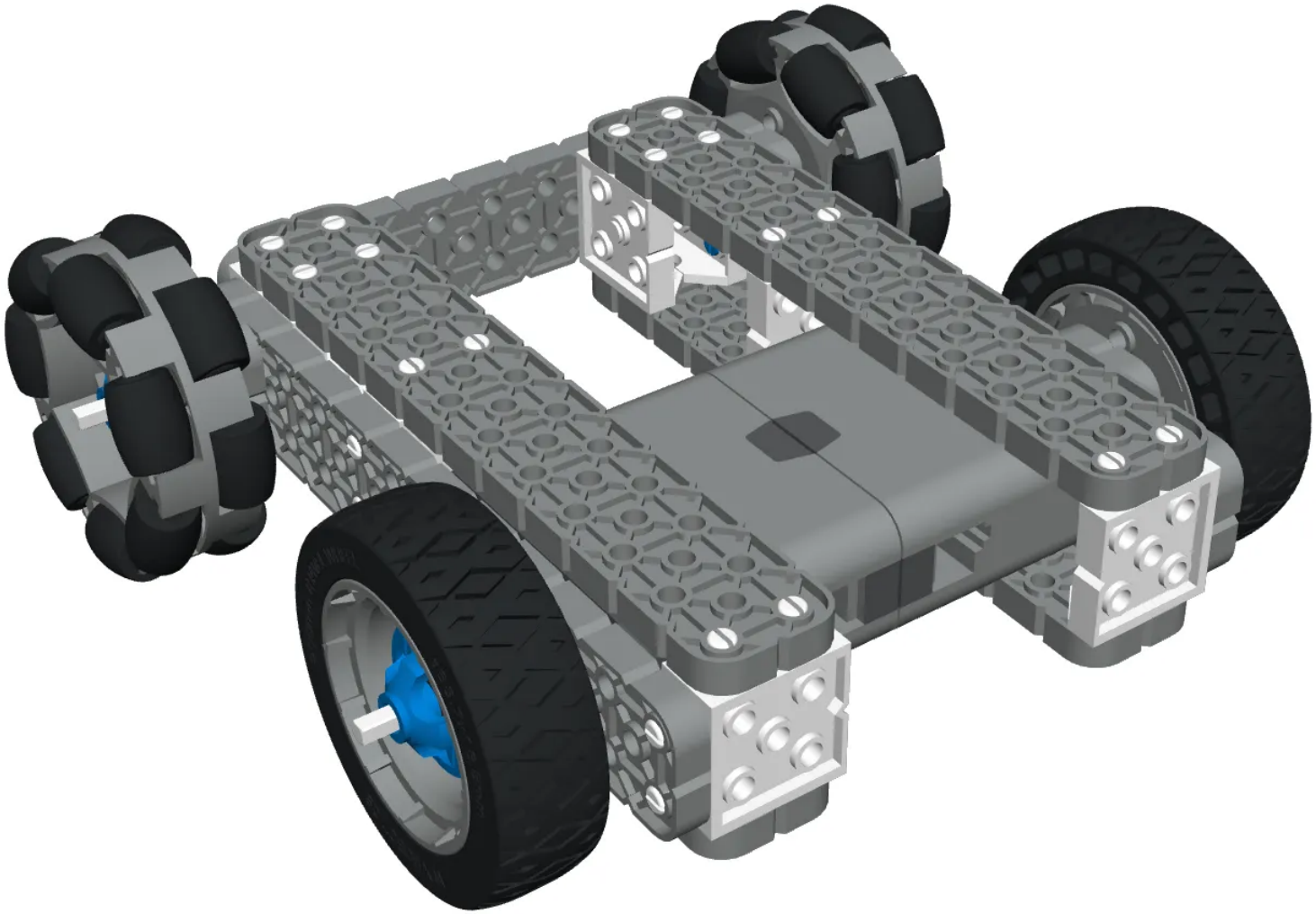


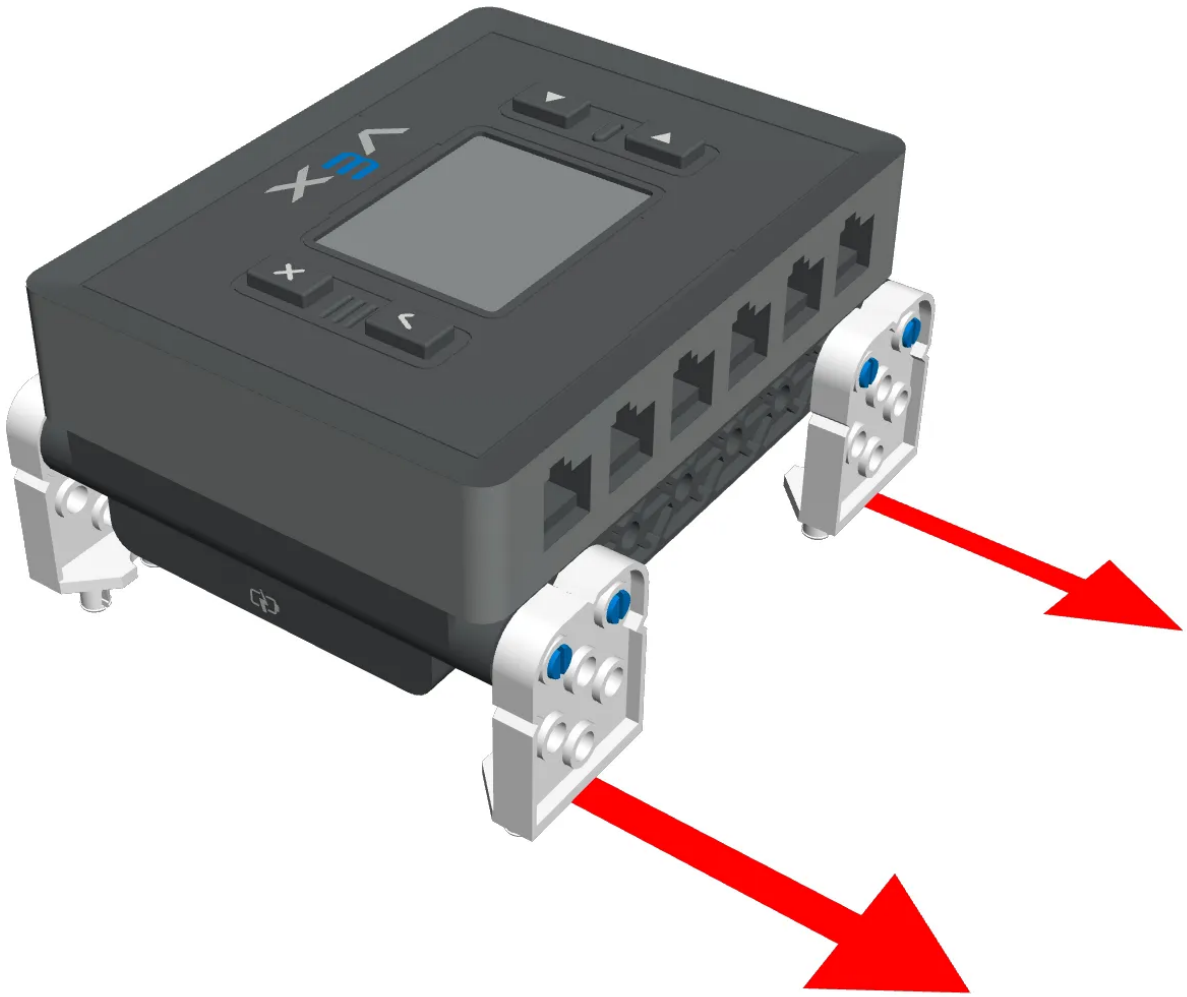
7



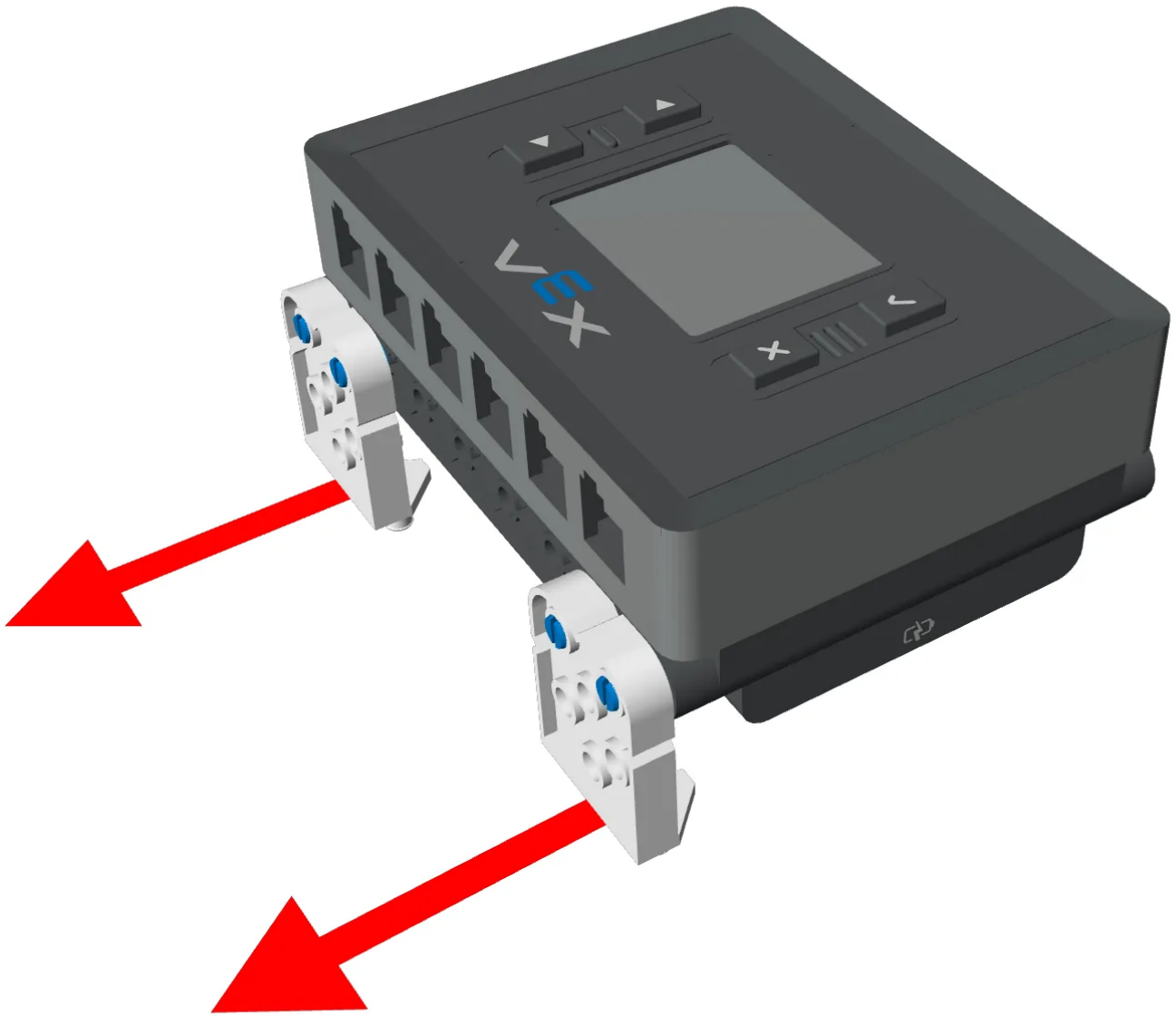




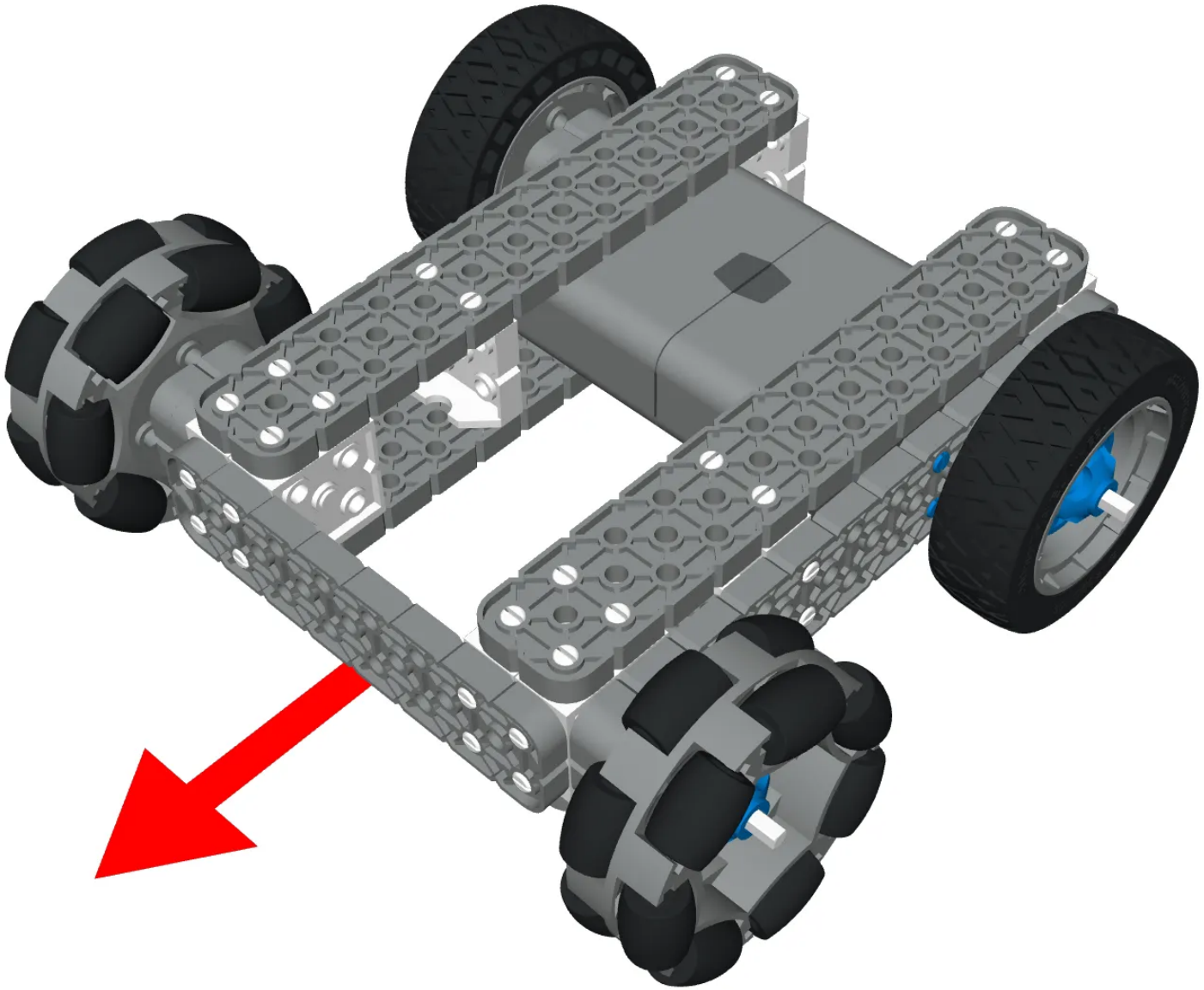


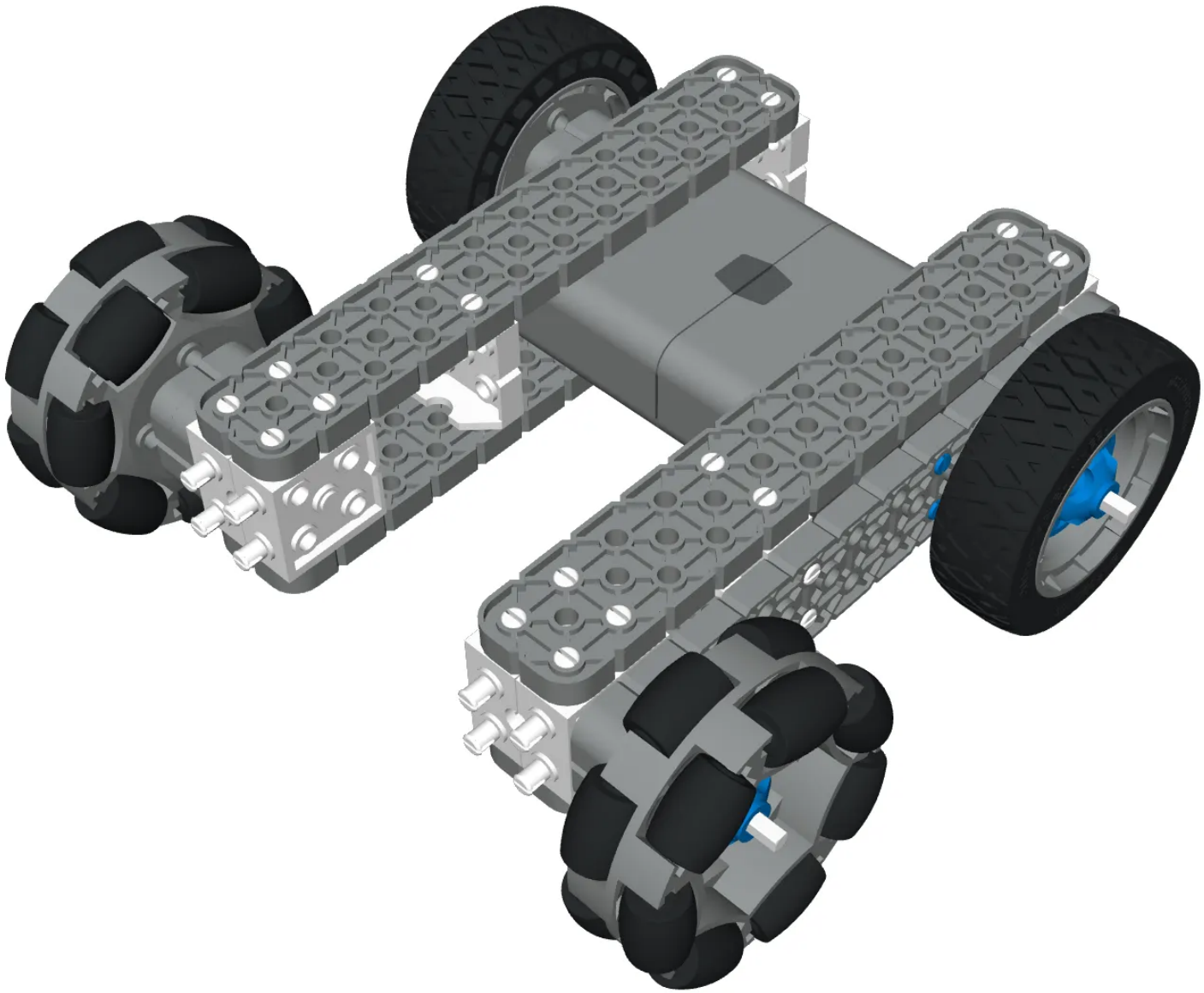


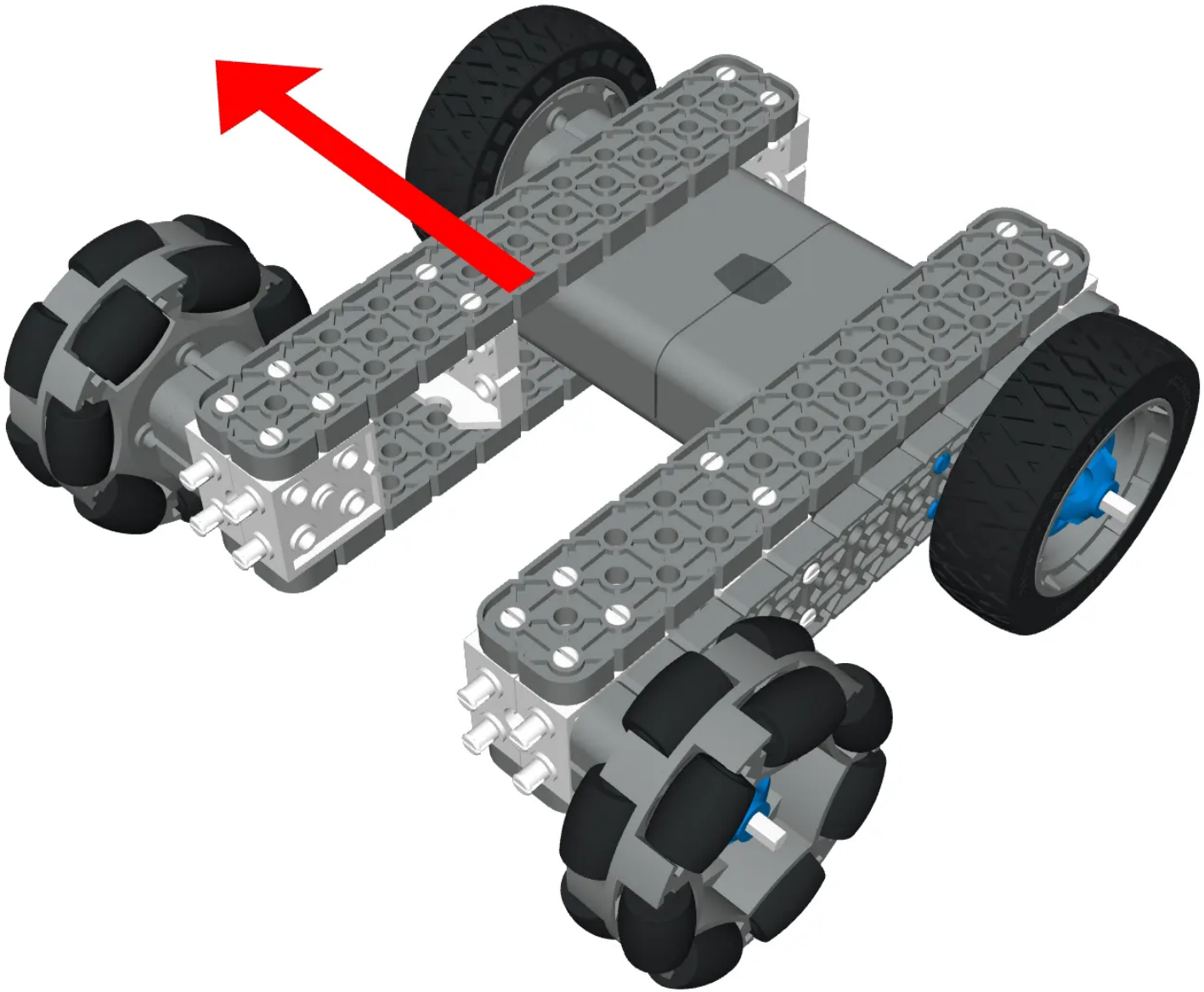


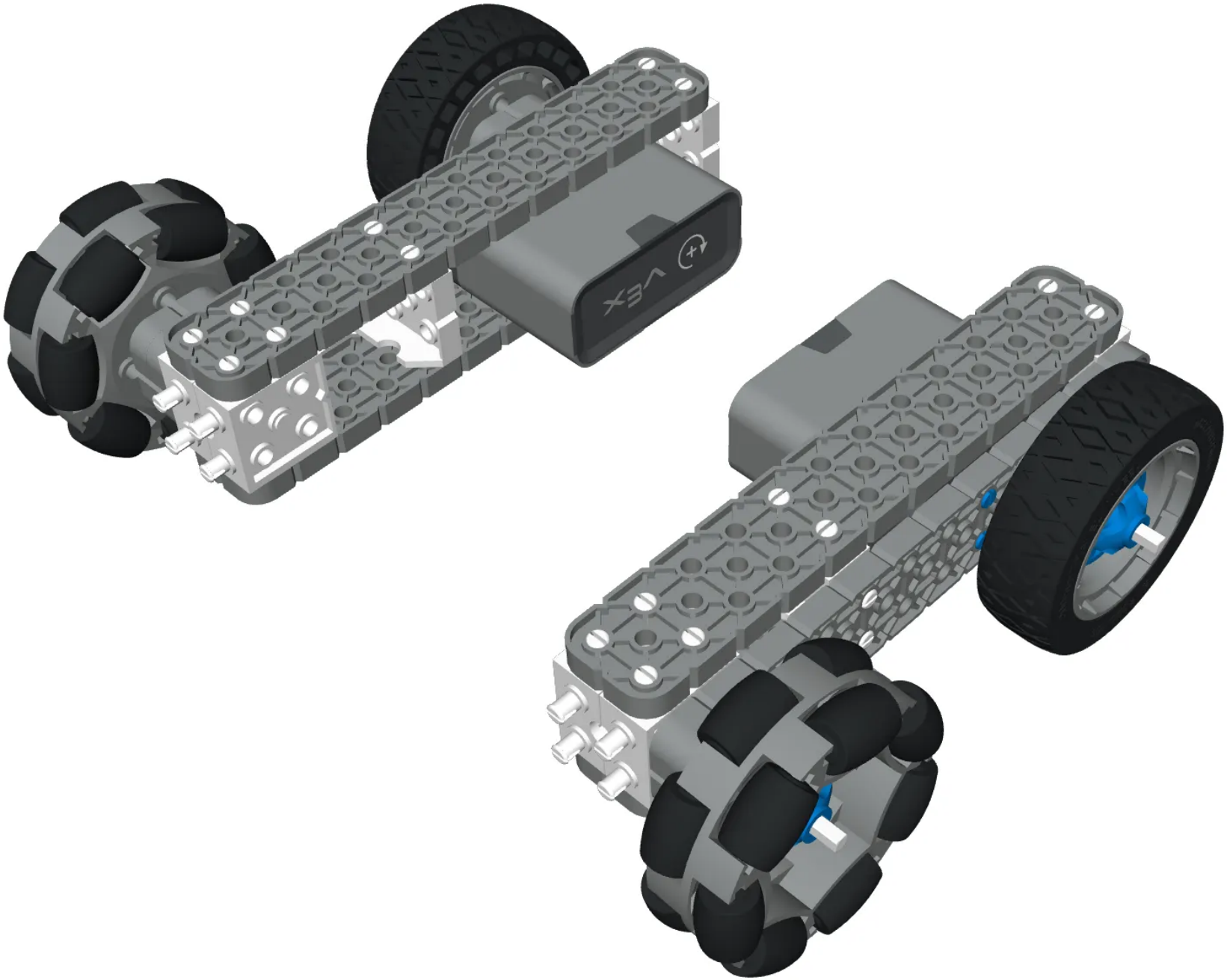


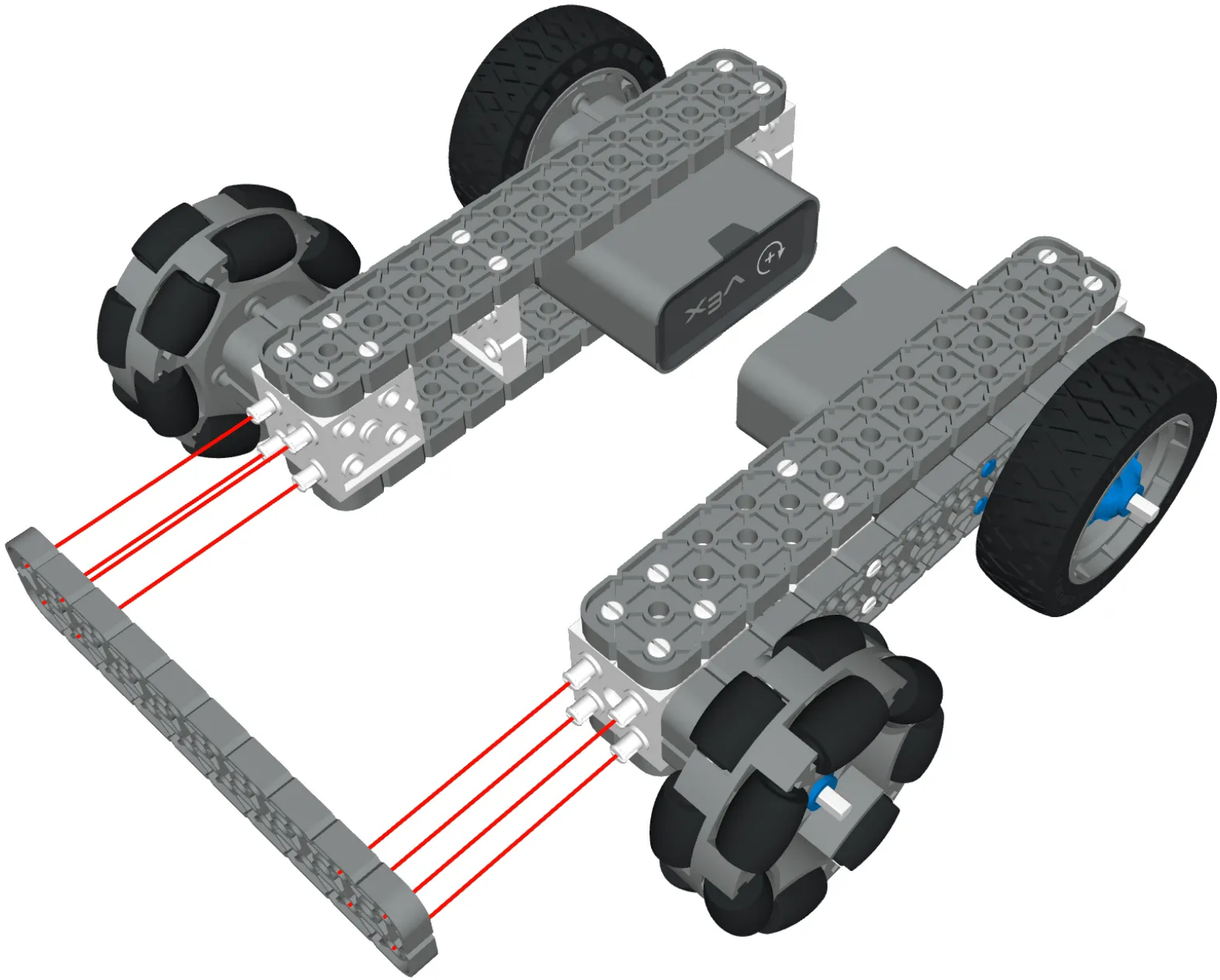

VEX

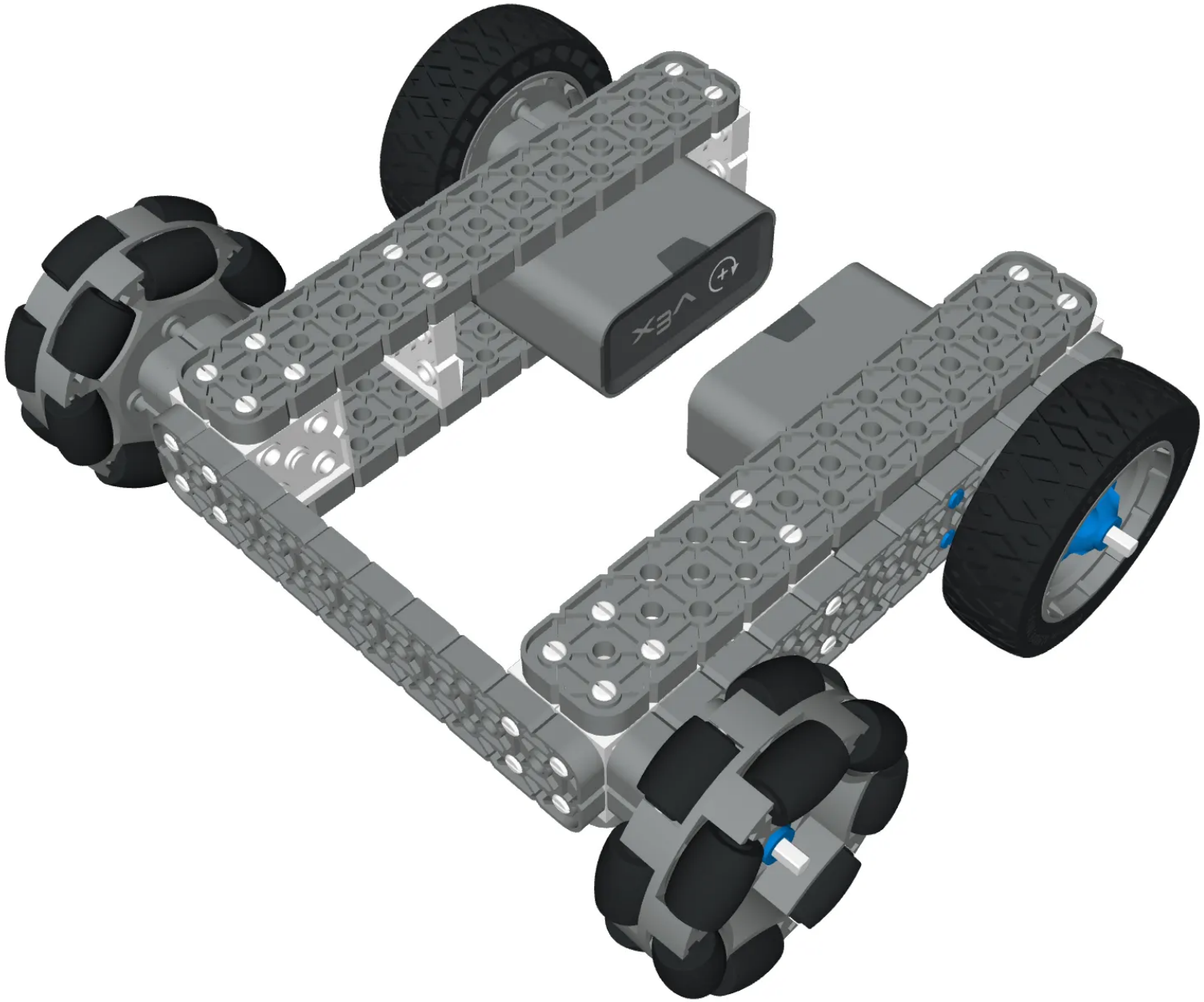


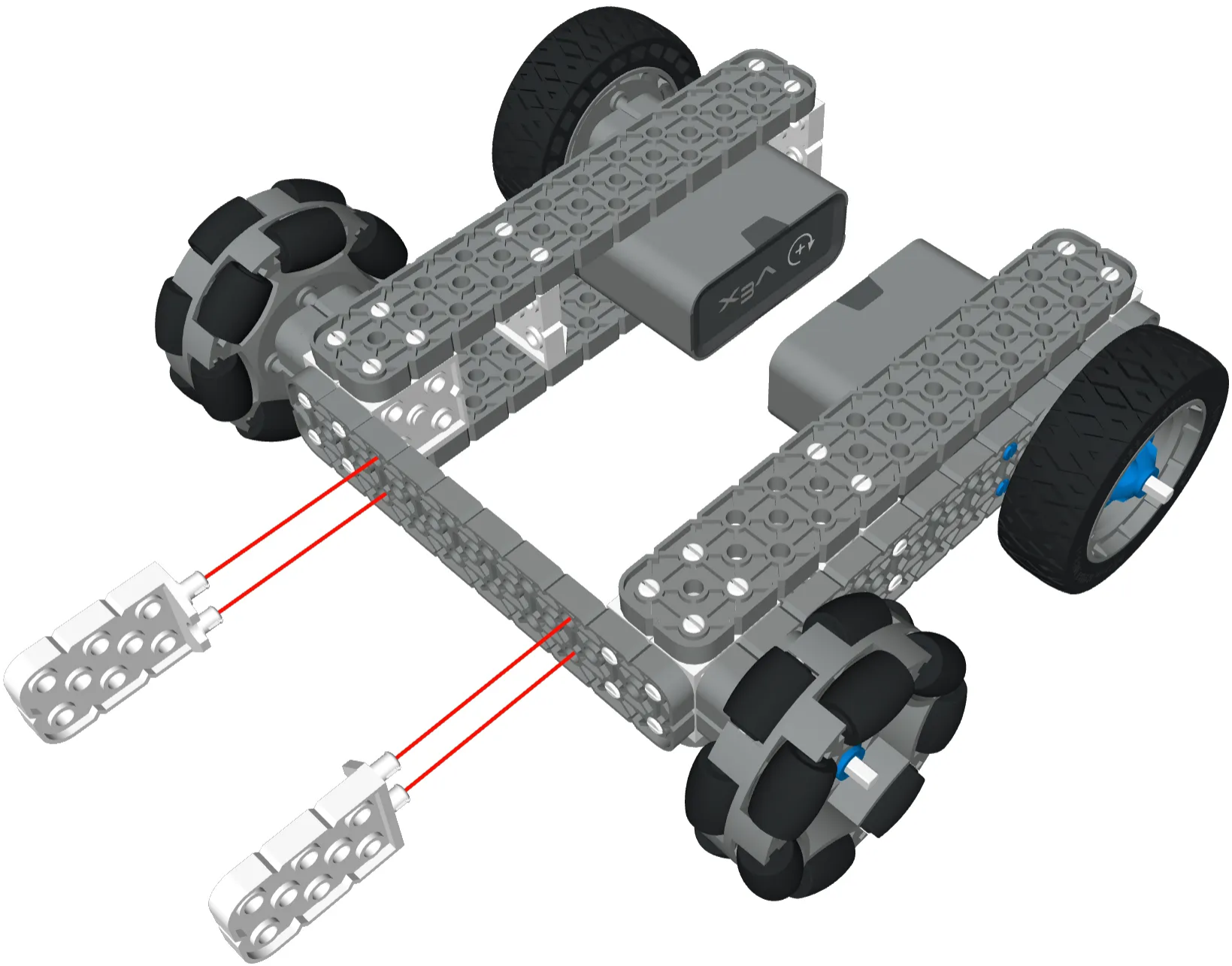


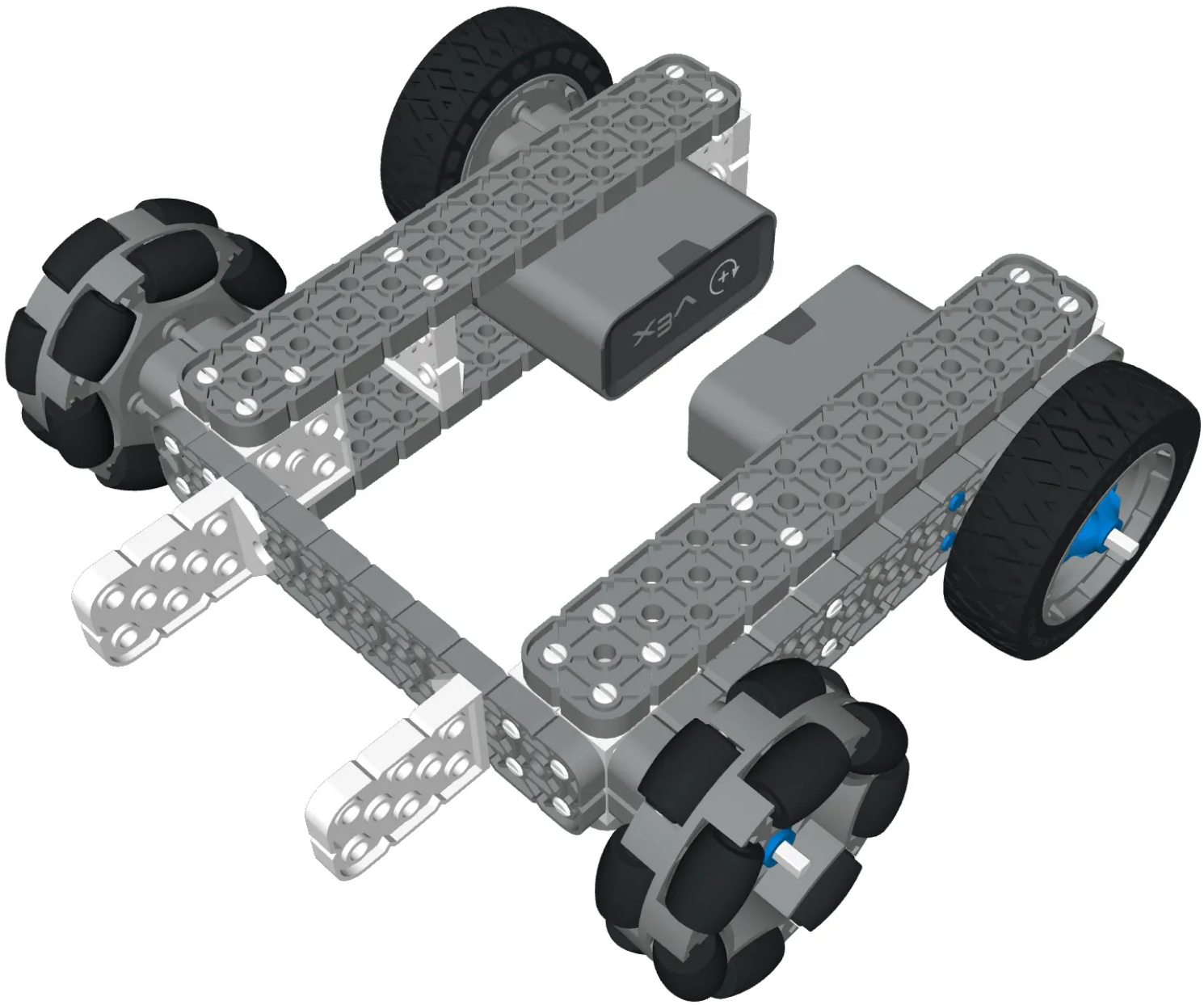


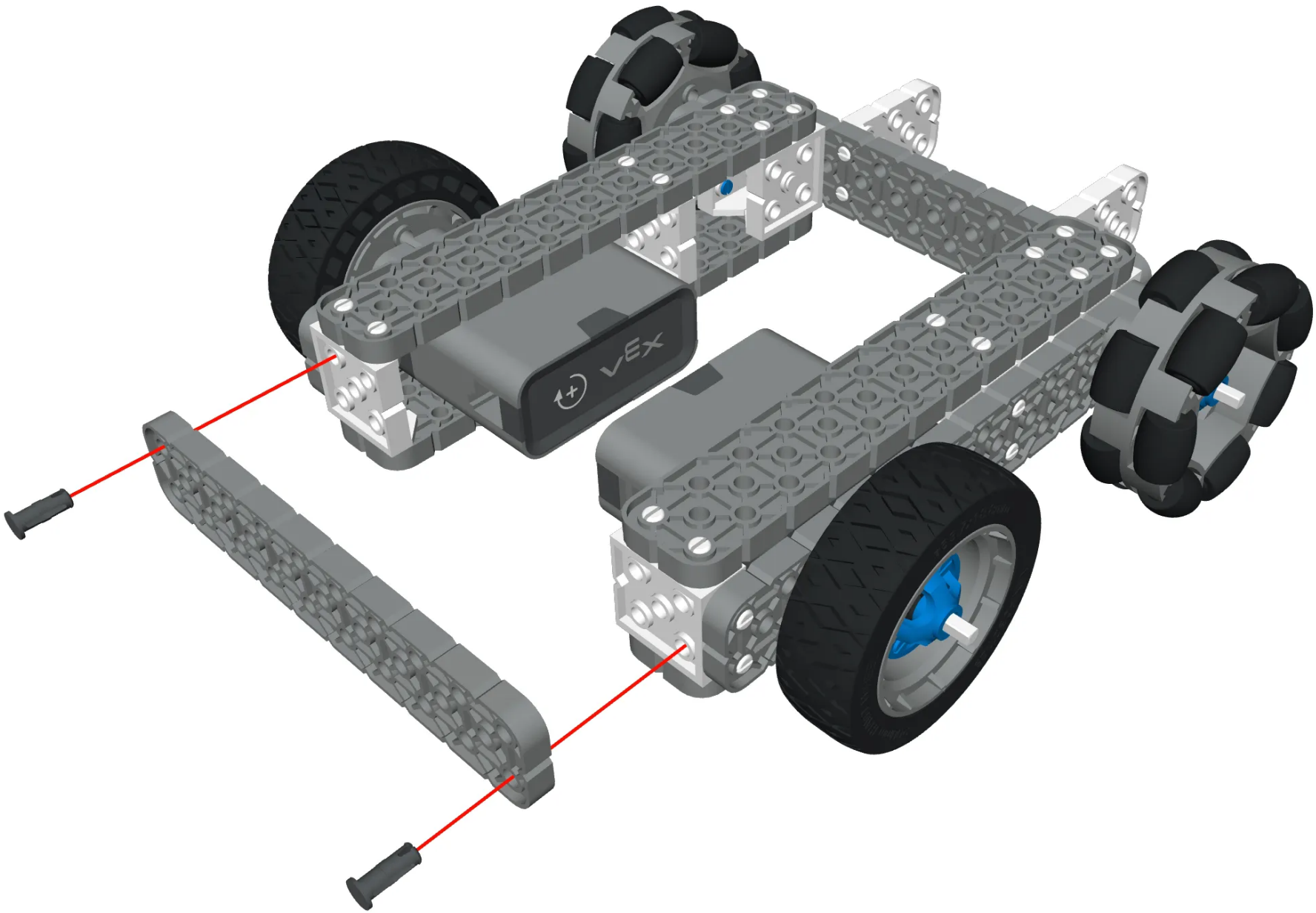

VEX

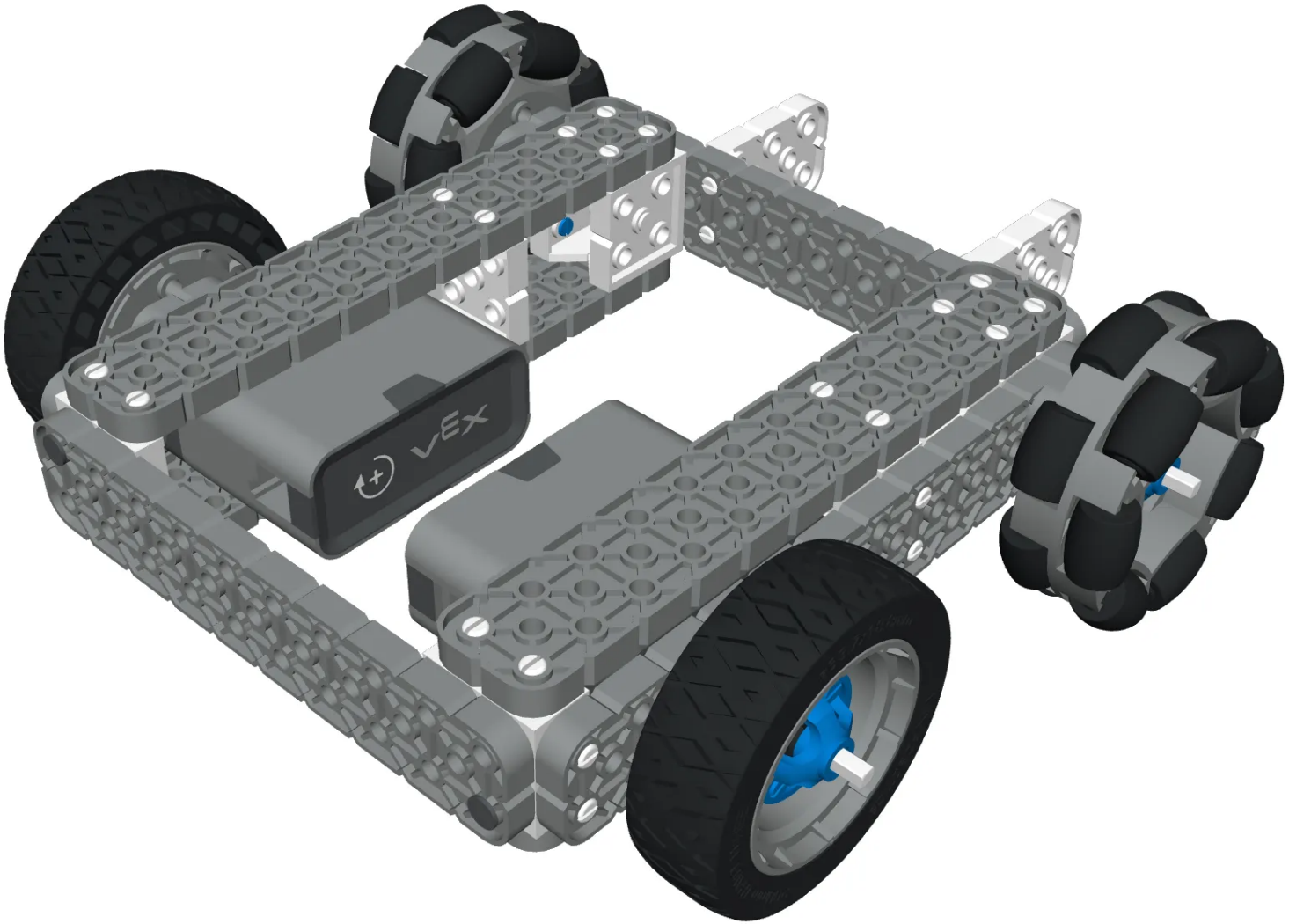

VEX

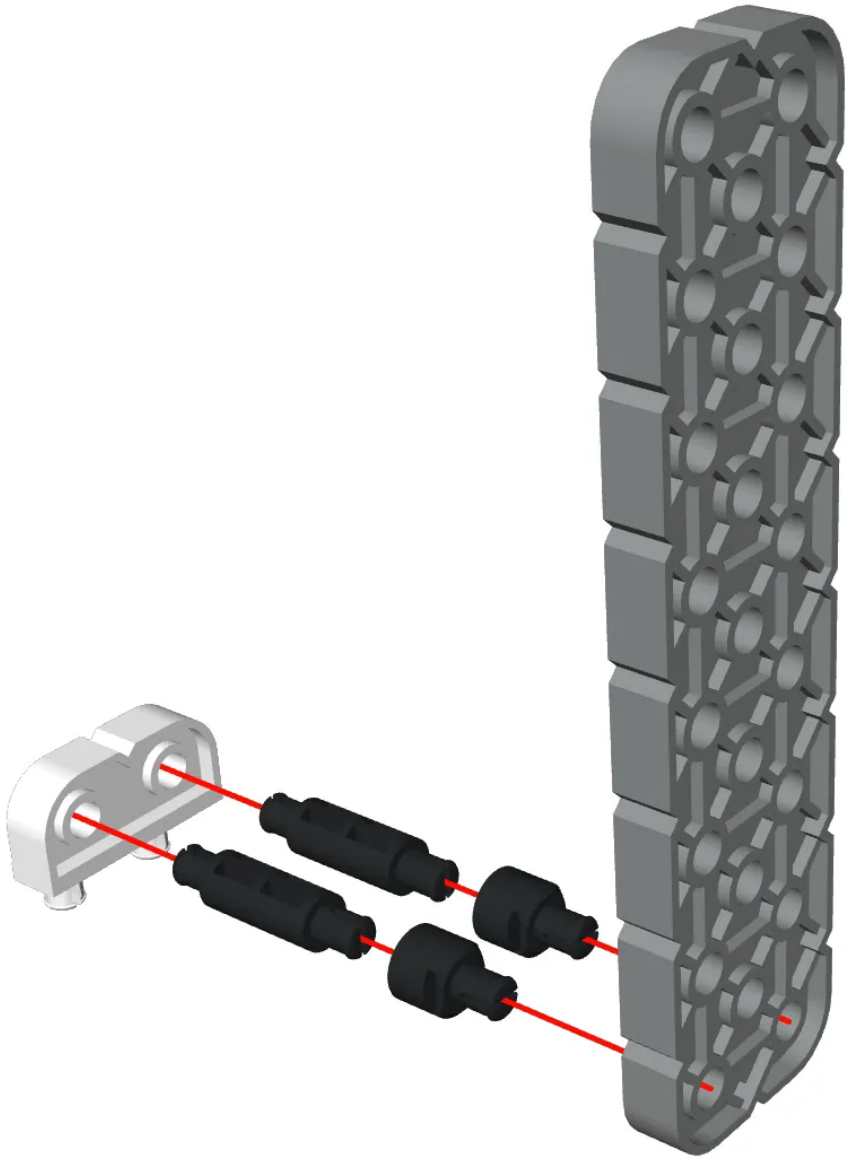

VEX


V5X

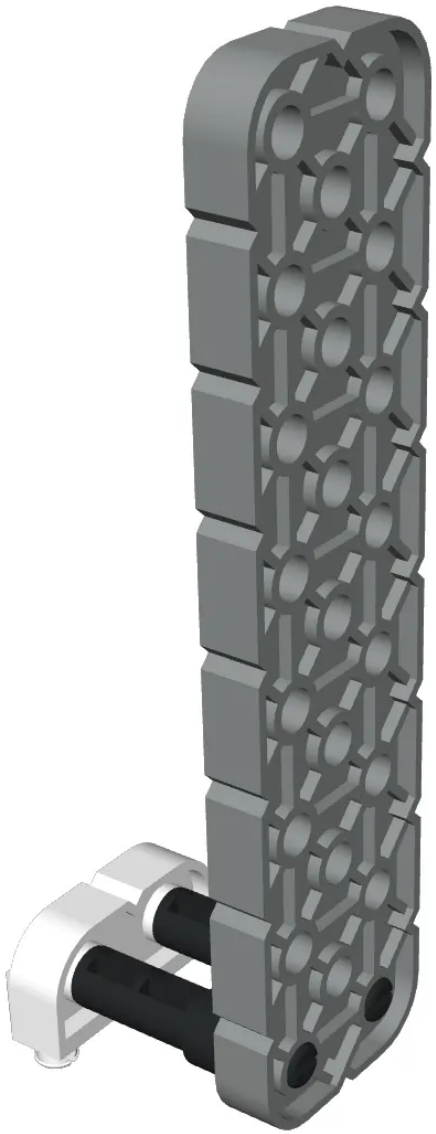

V5


VEX

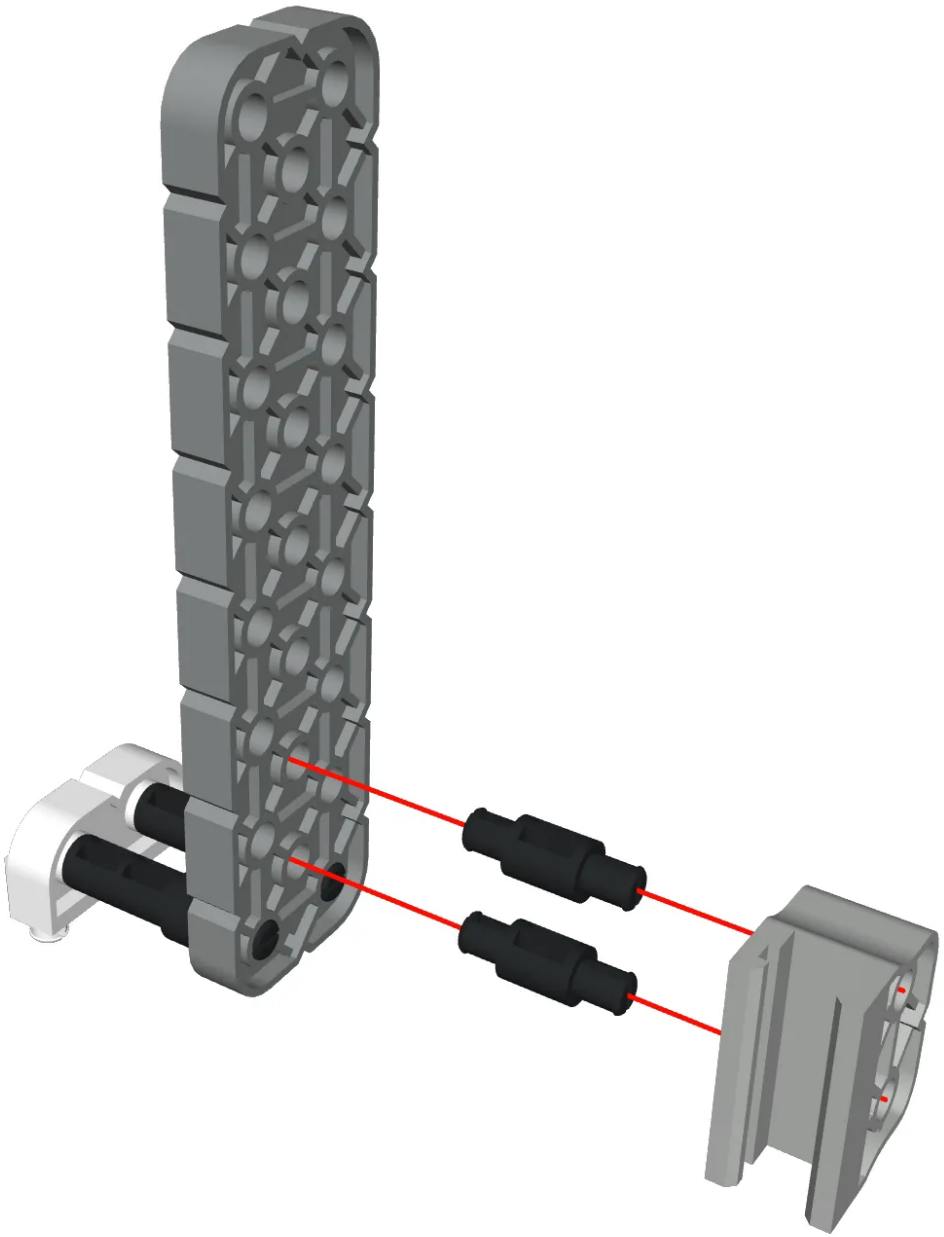

VEX

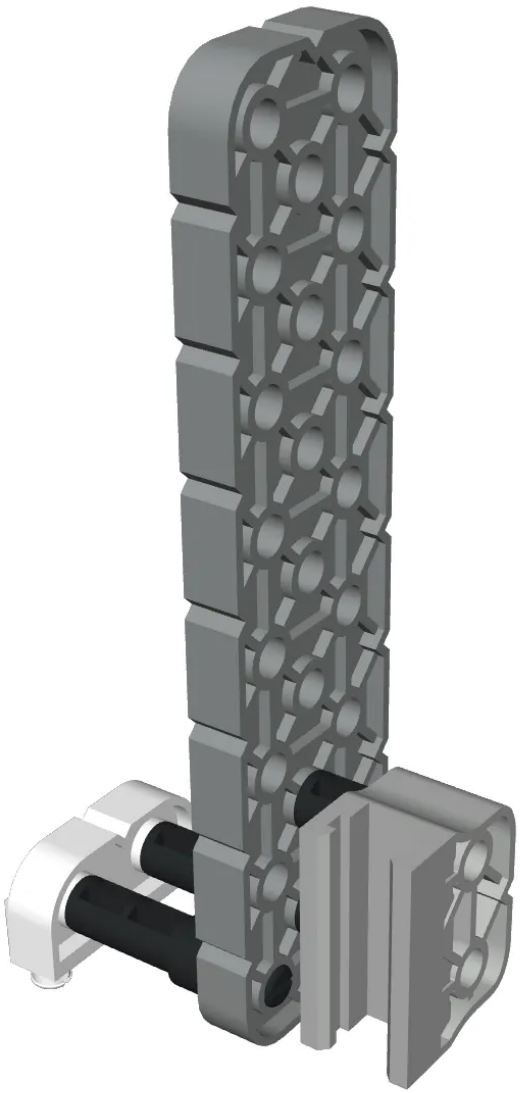


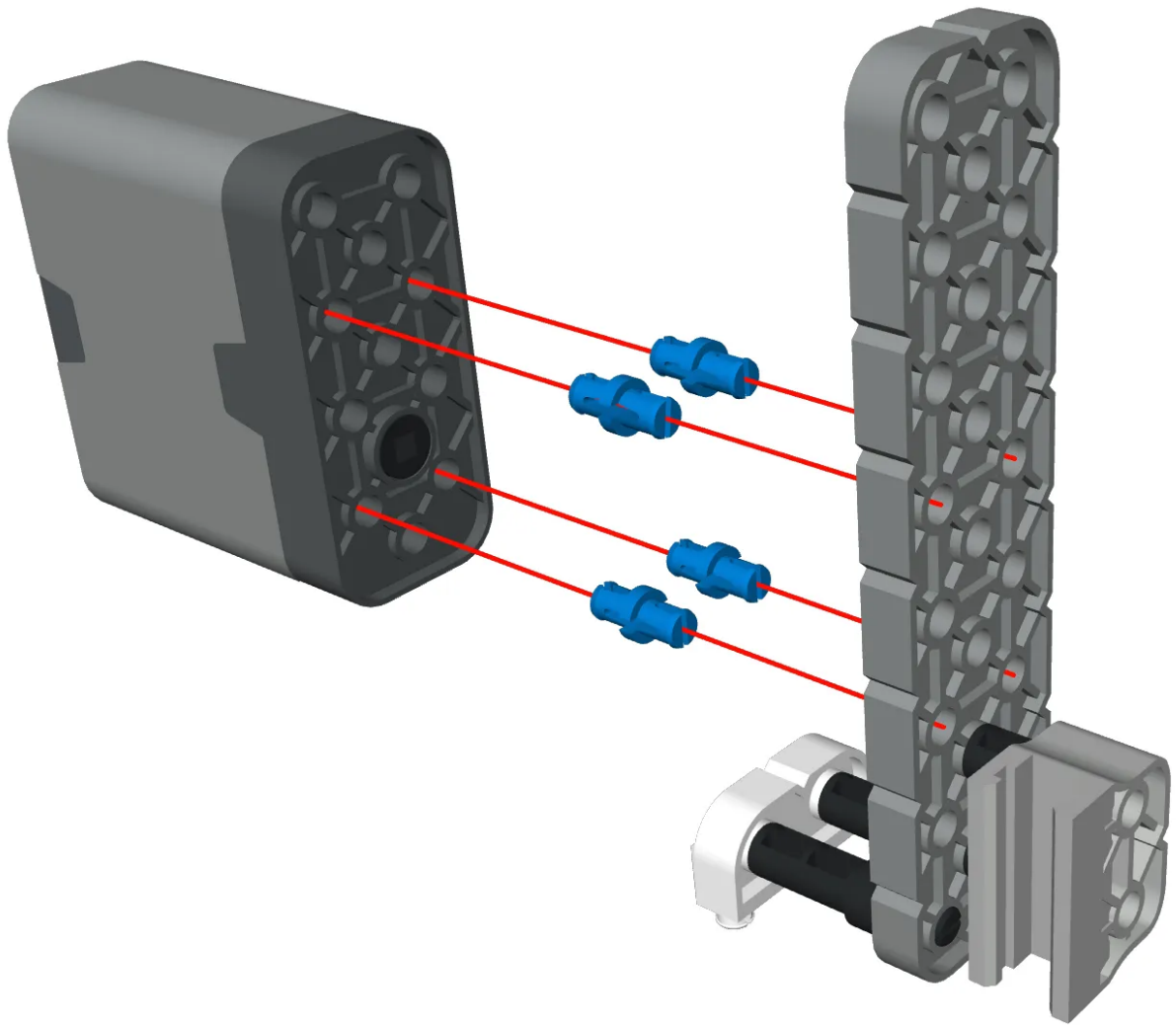
2x

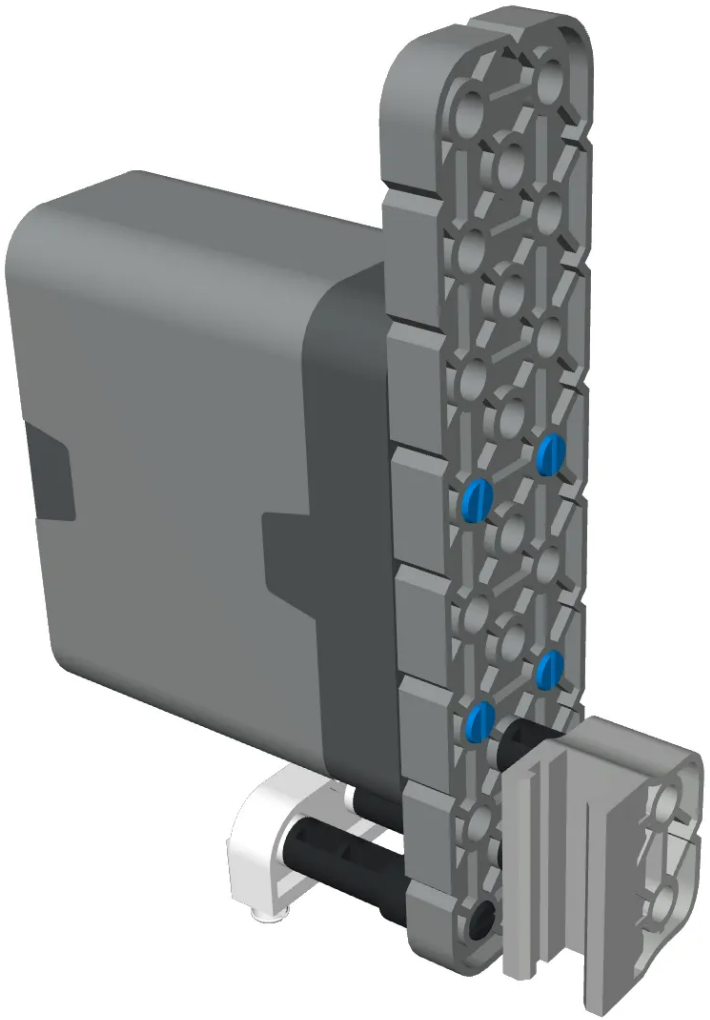


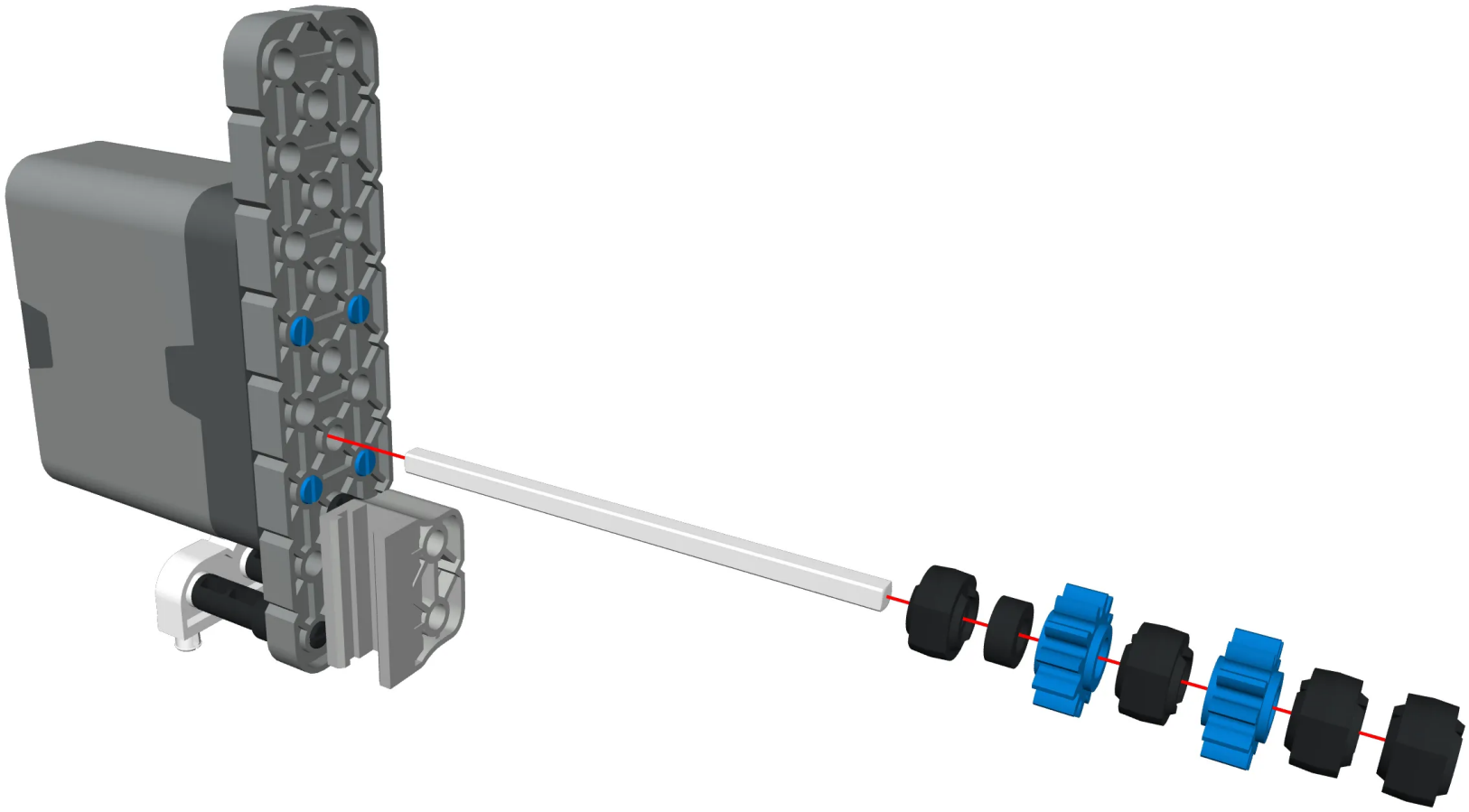
2x

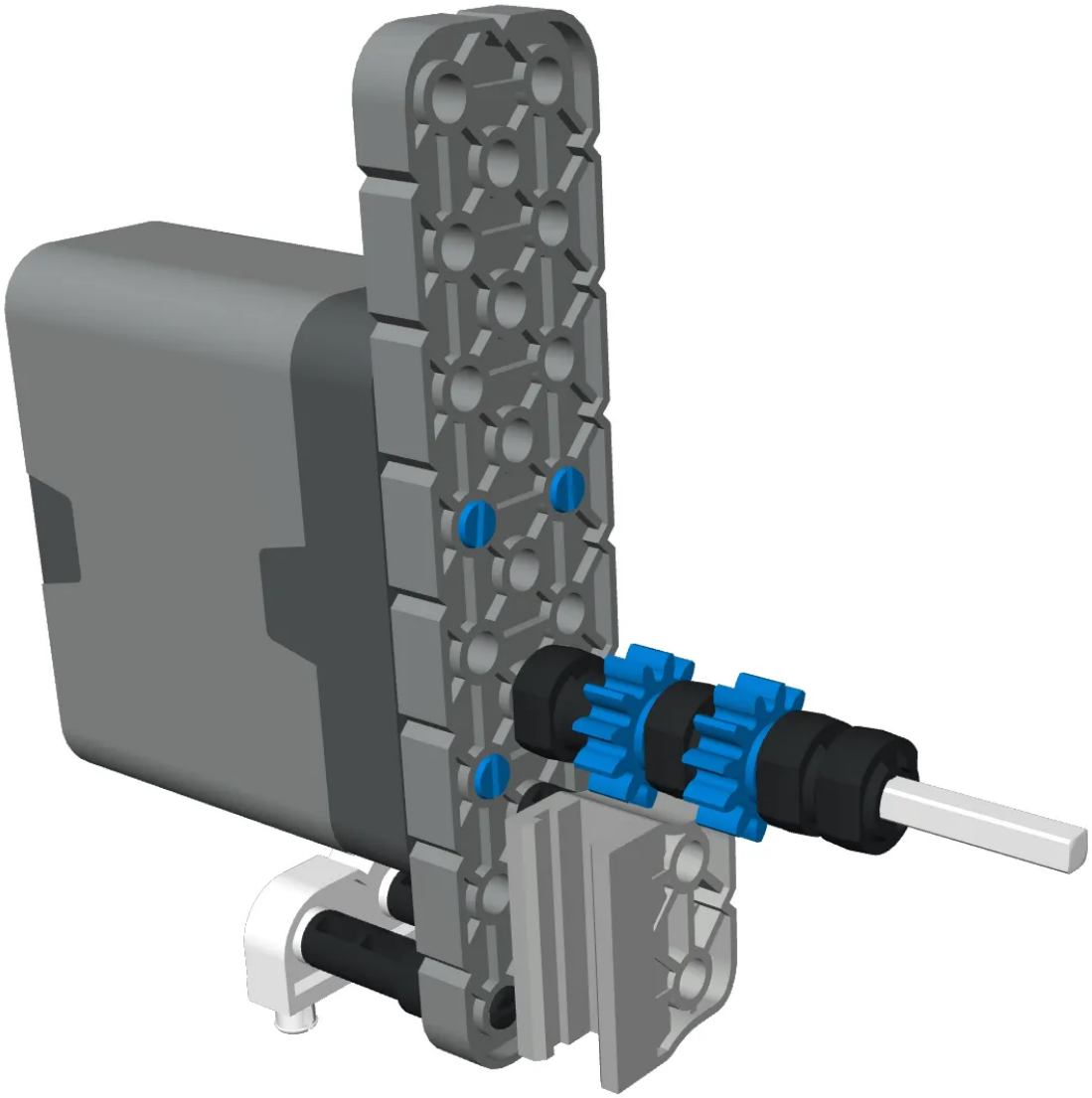


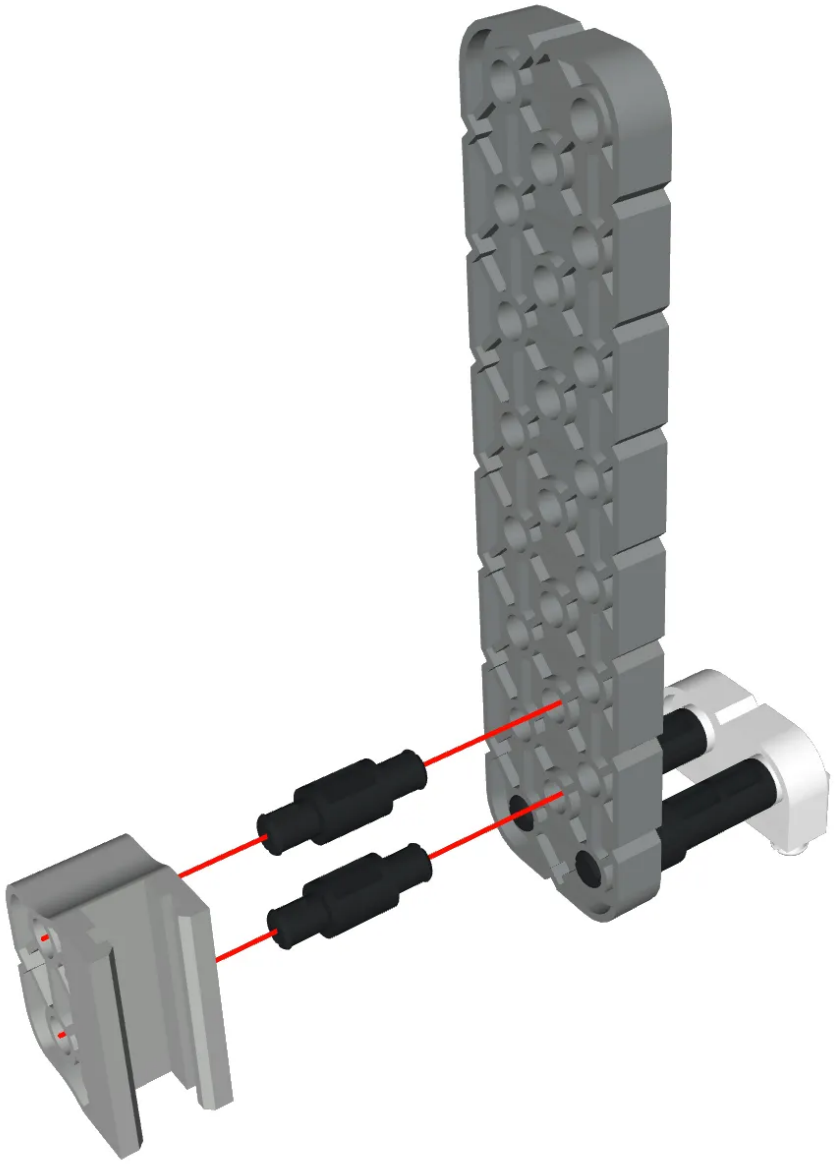


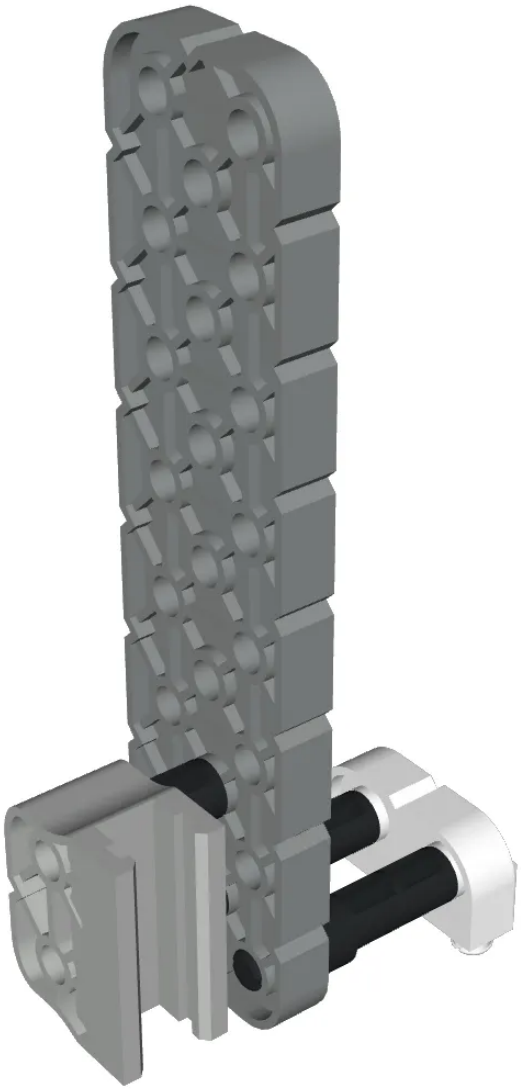


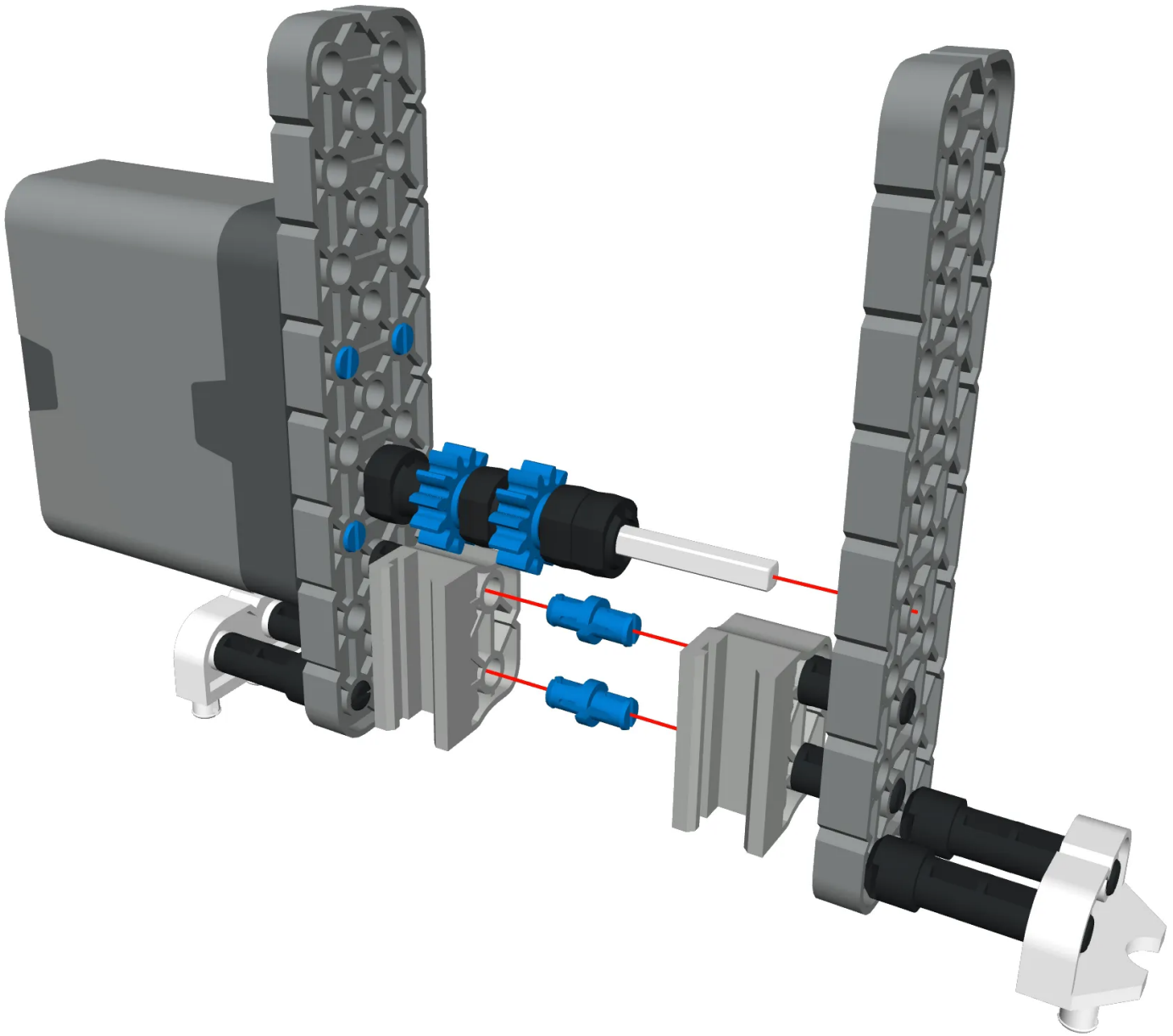


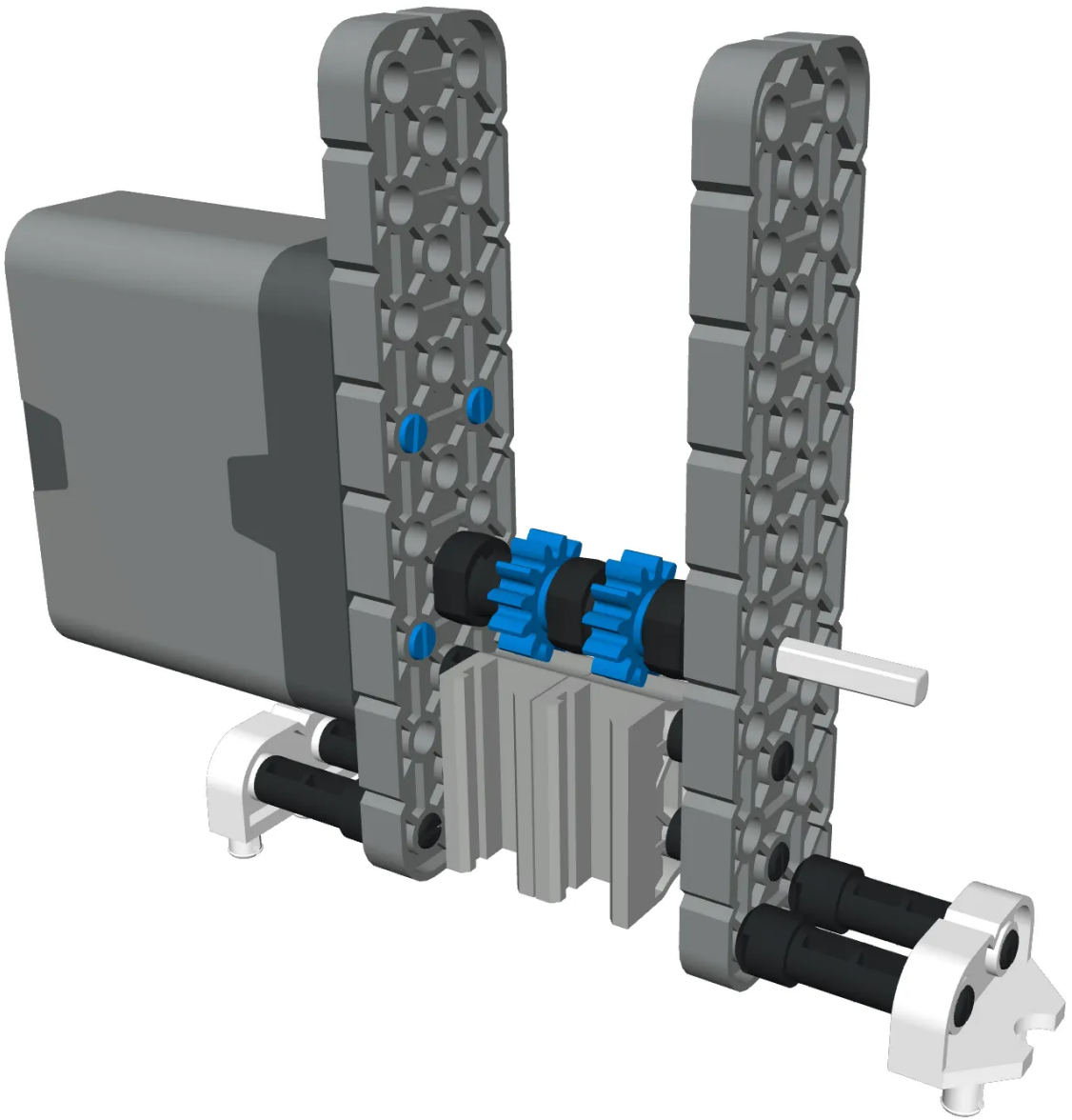


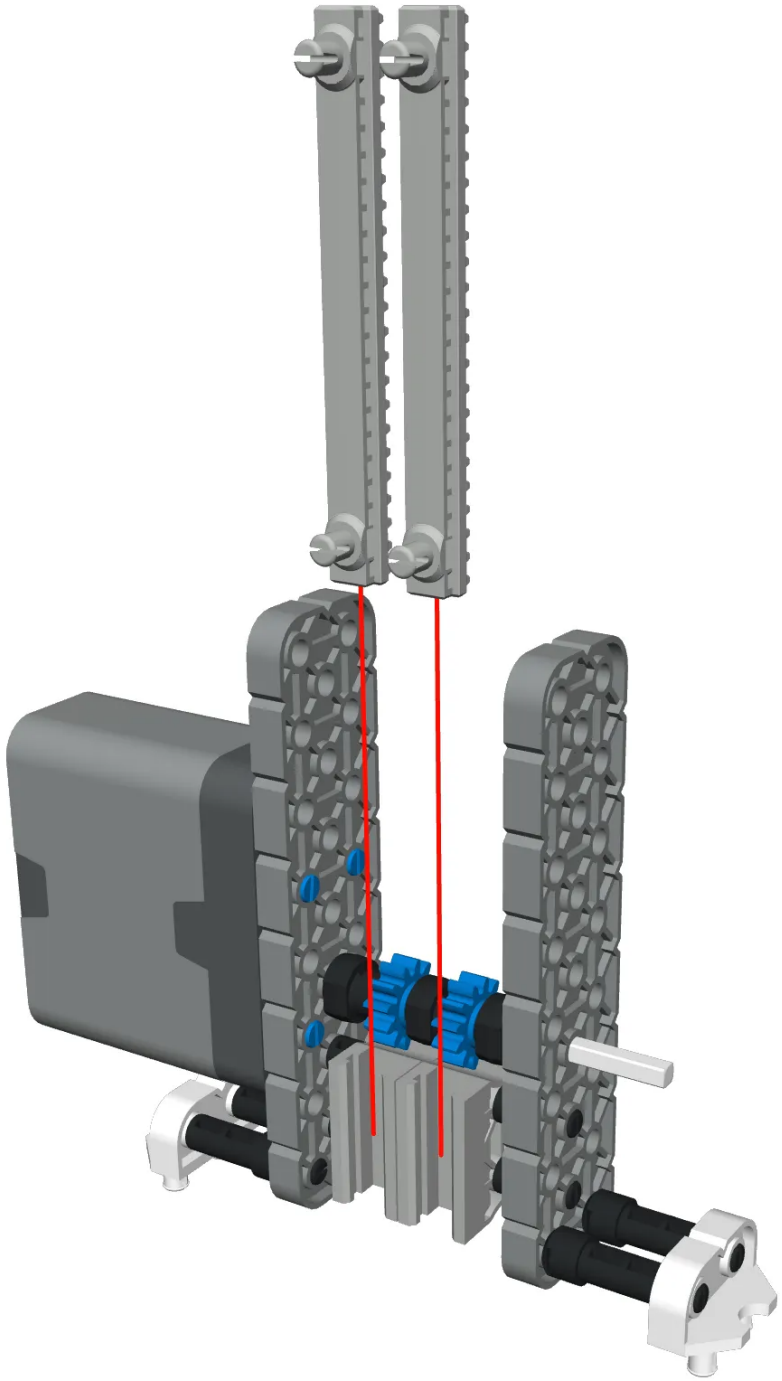


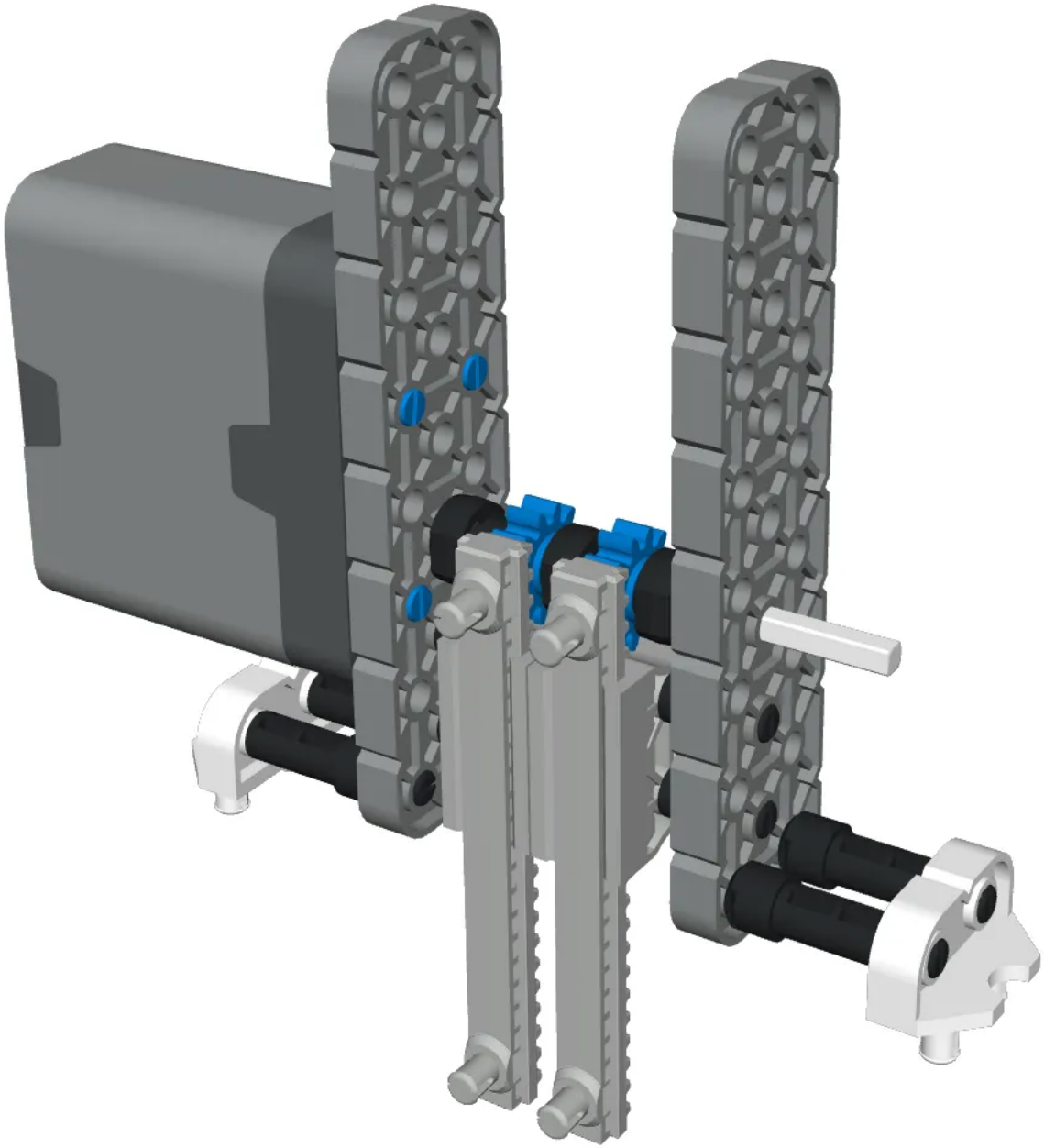


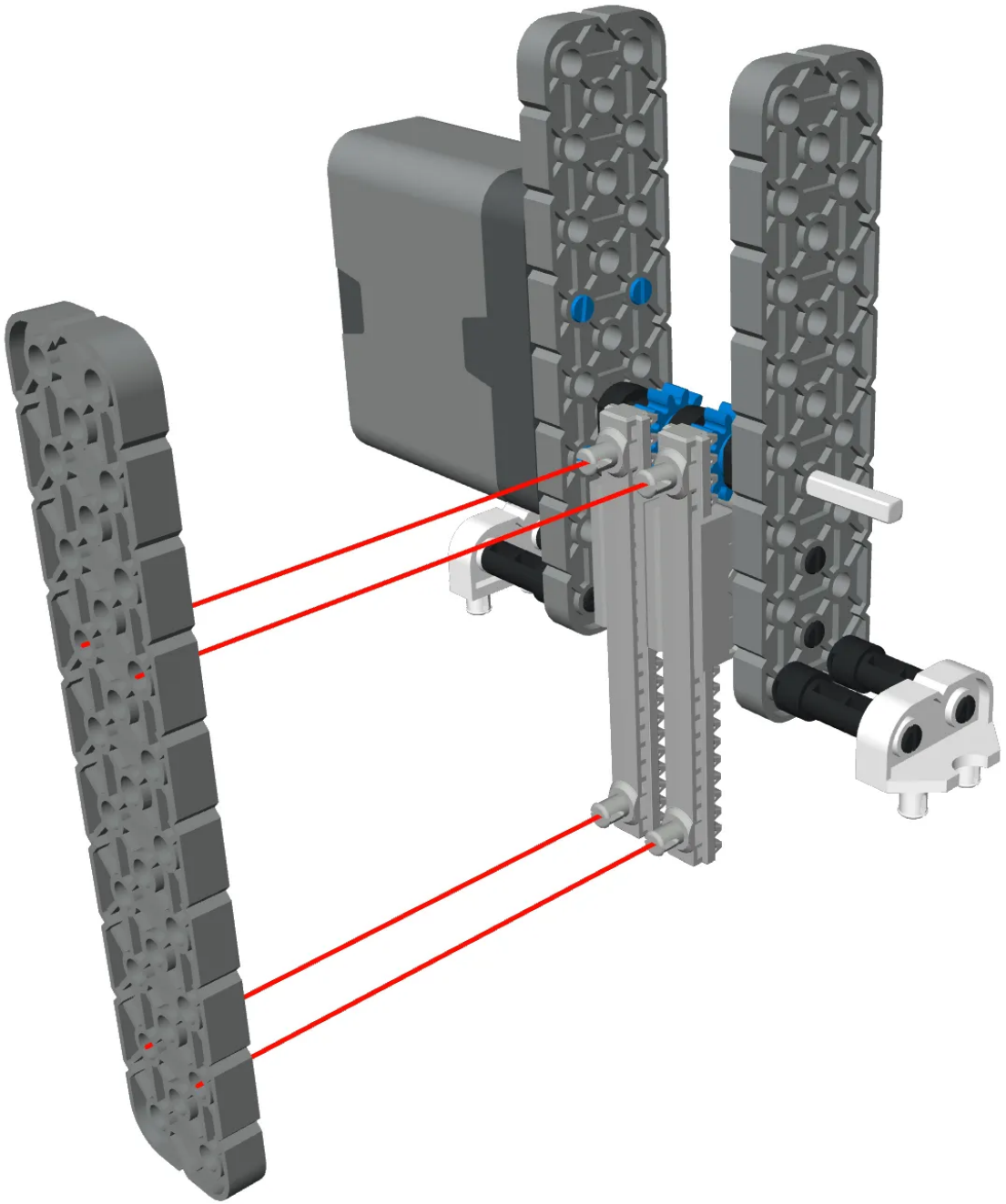


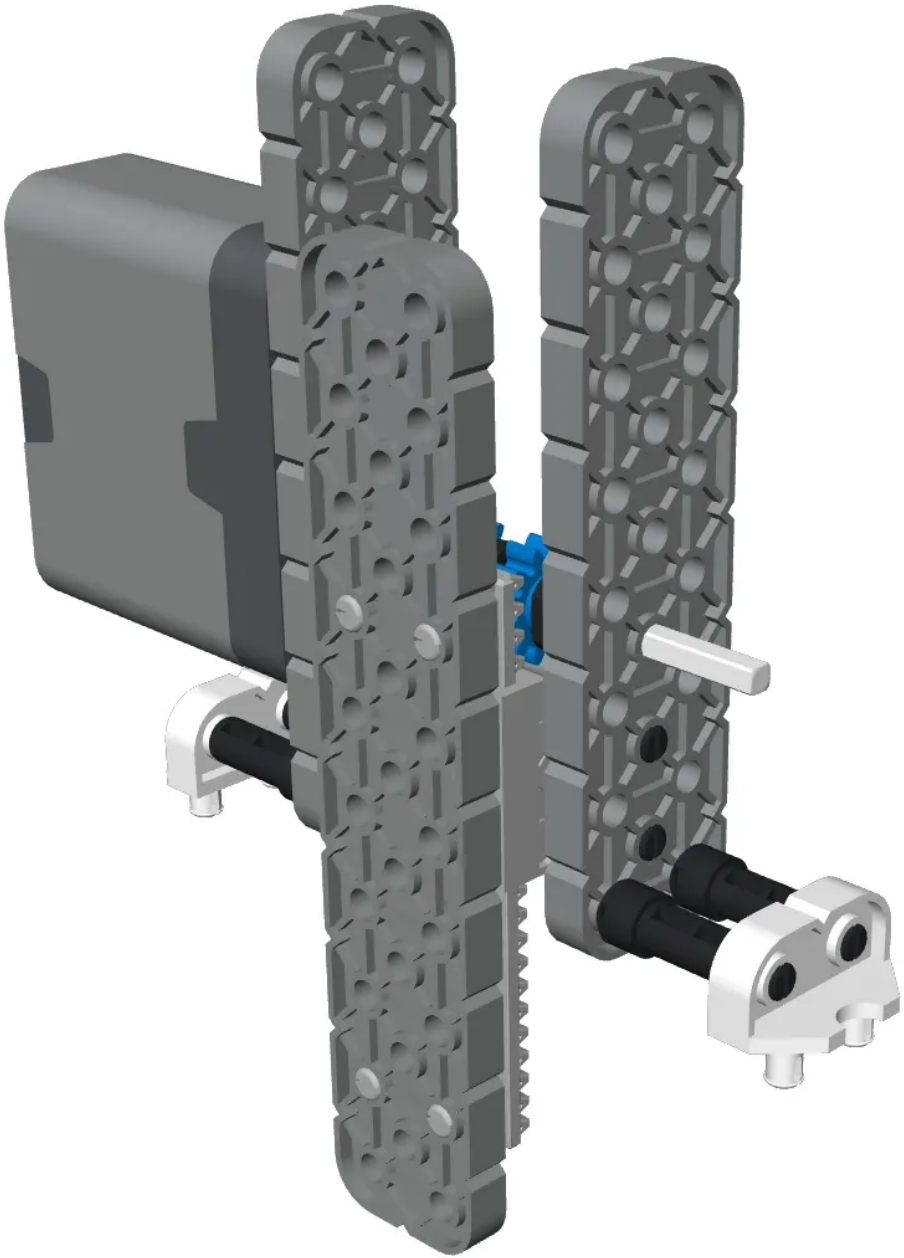


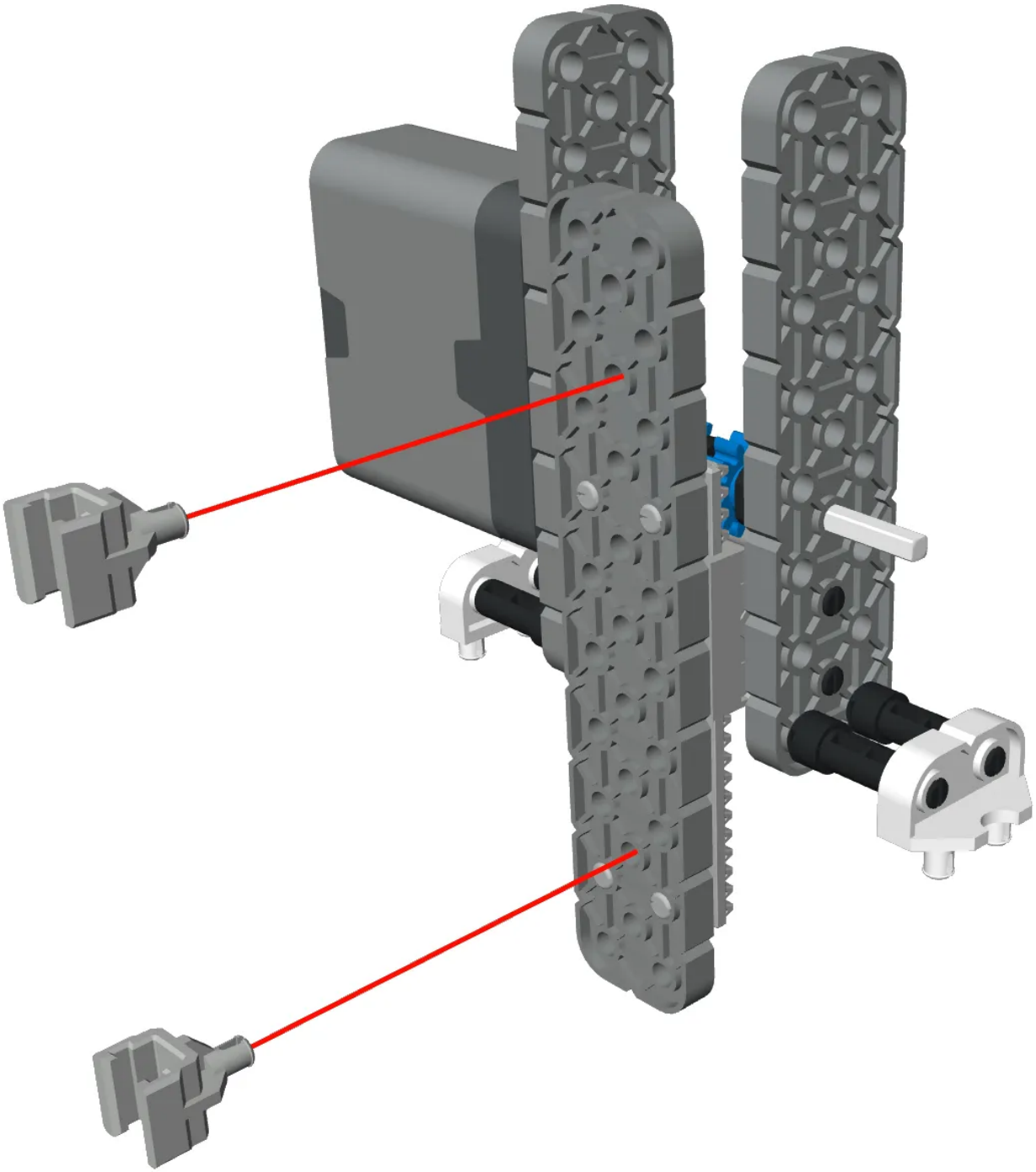


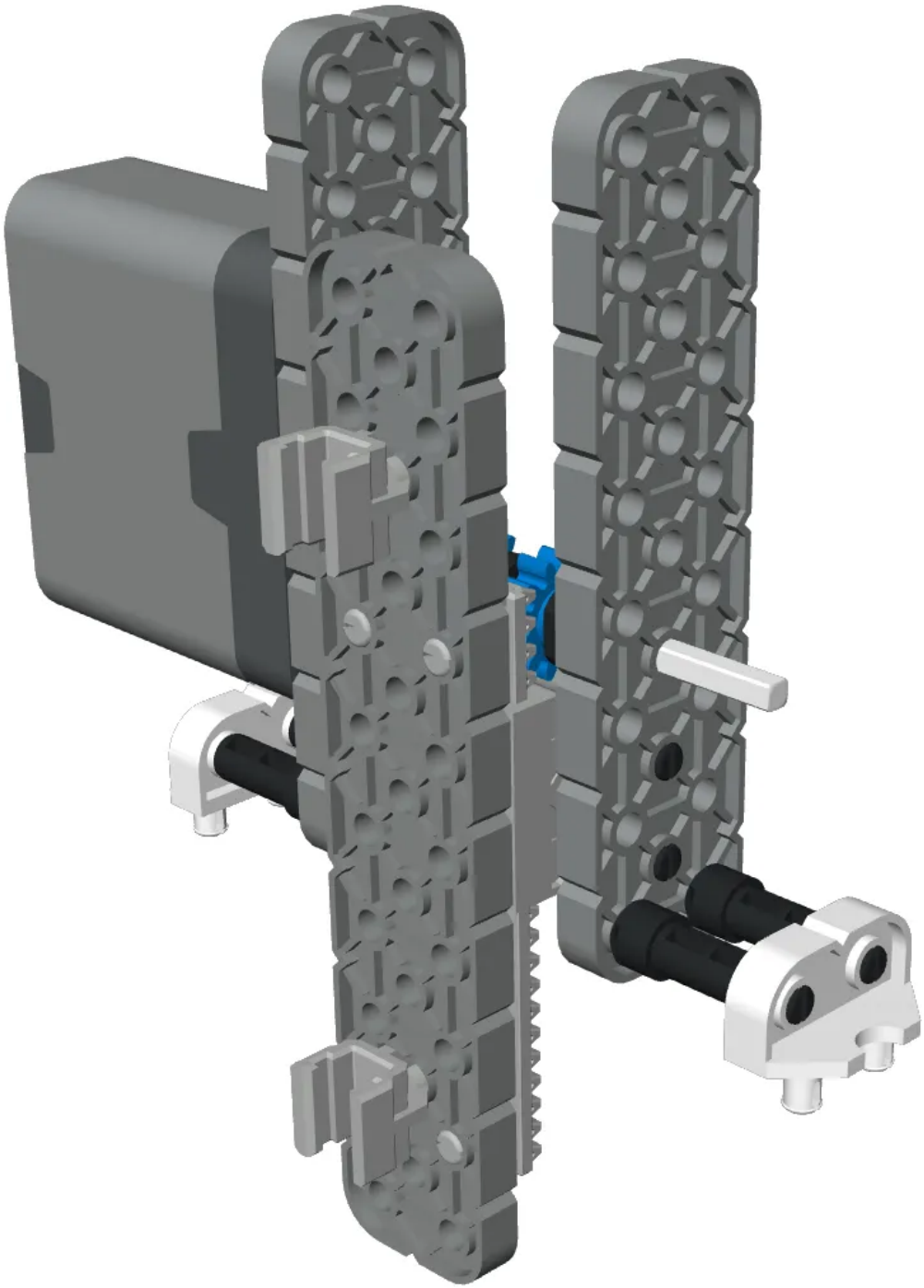


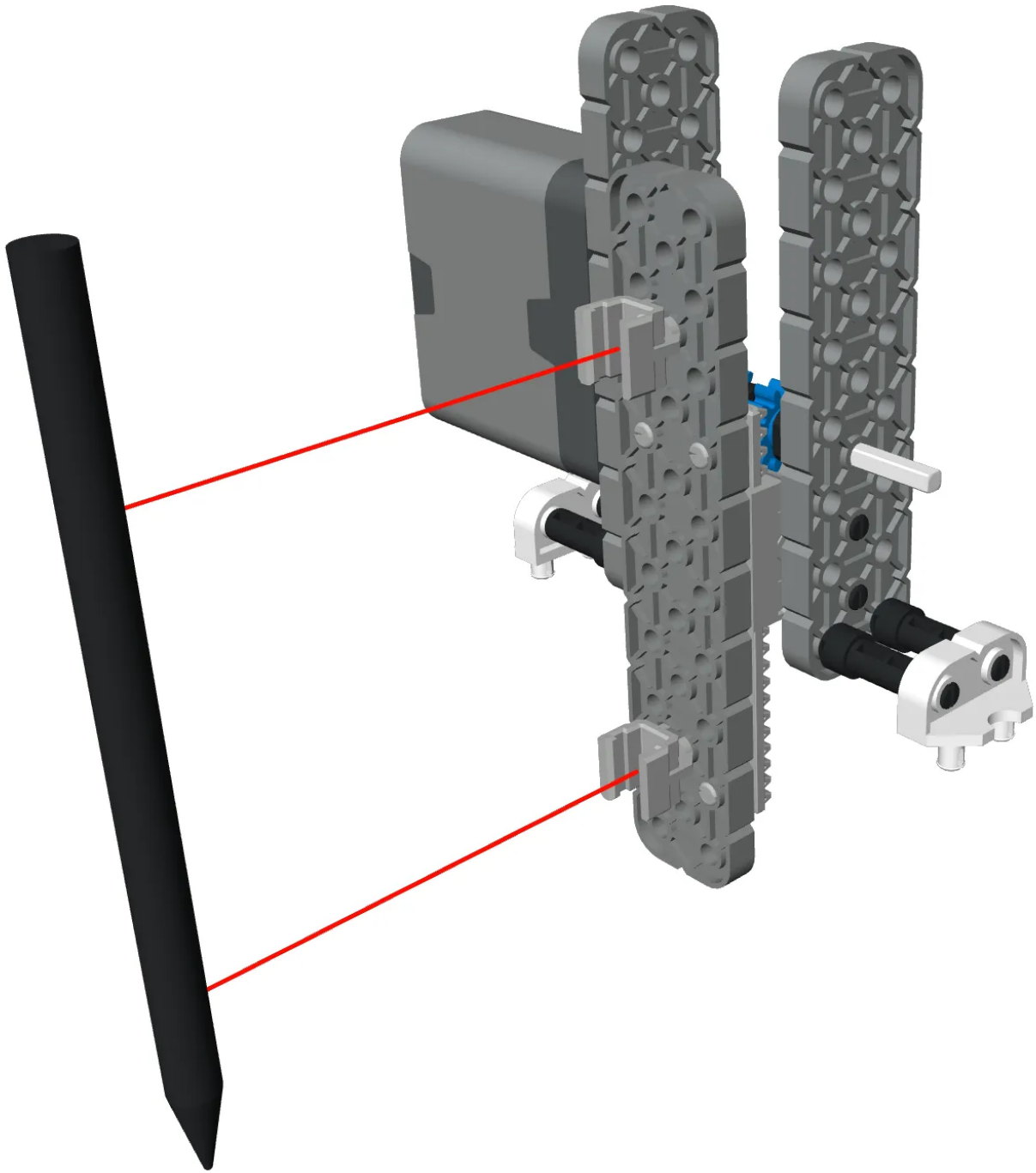


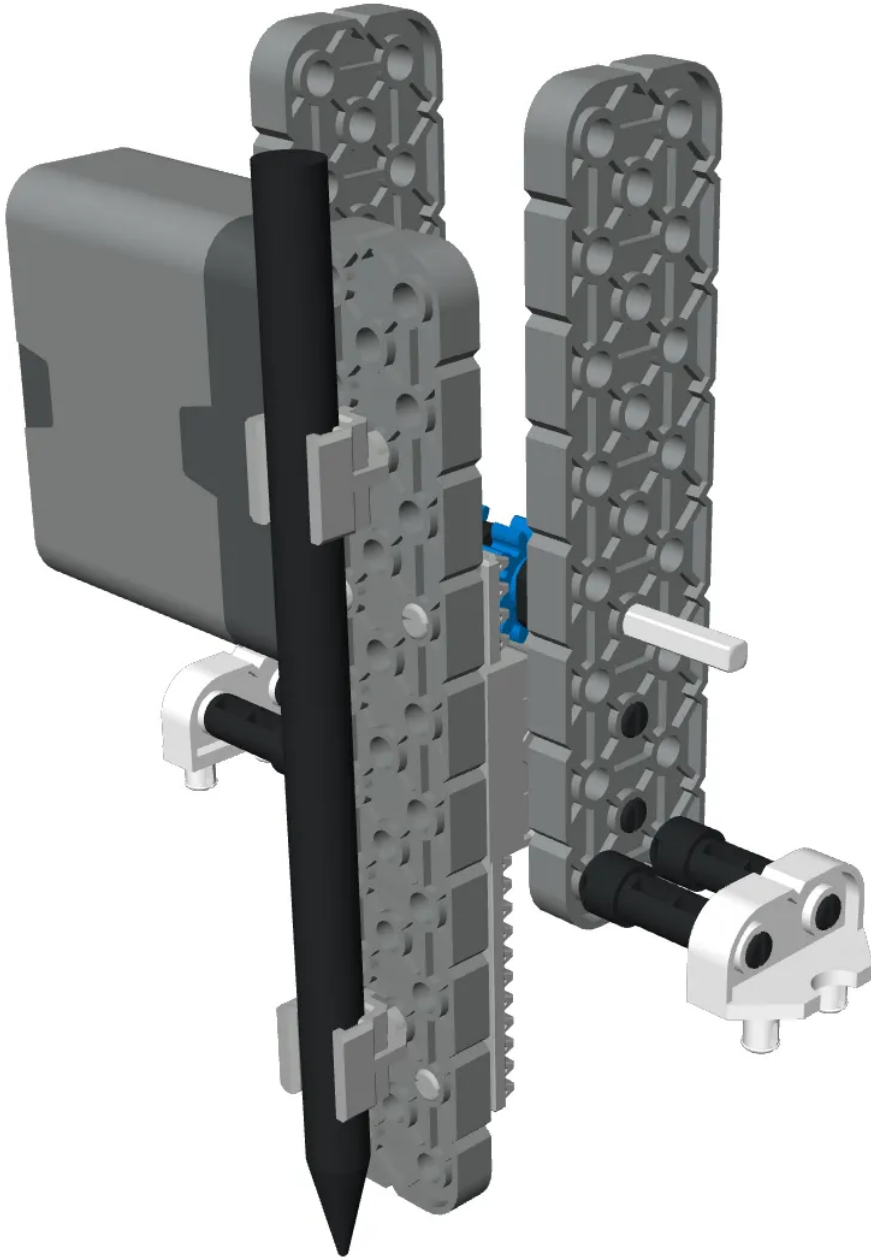


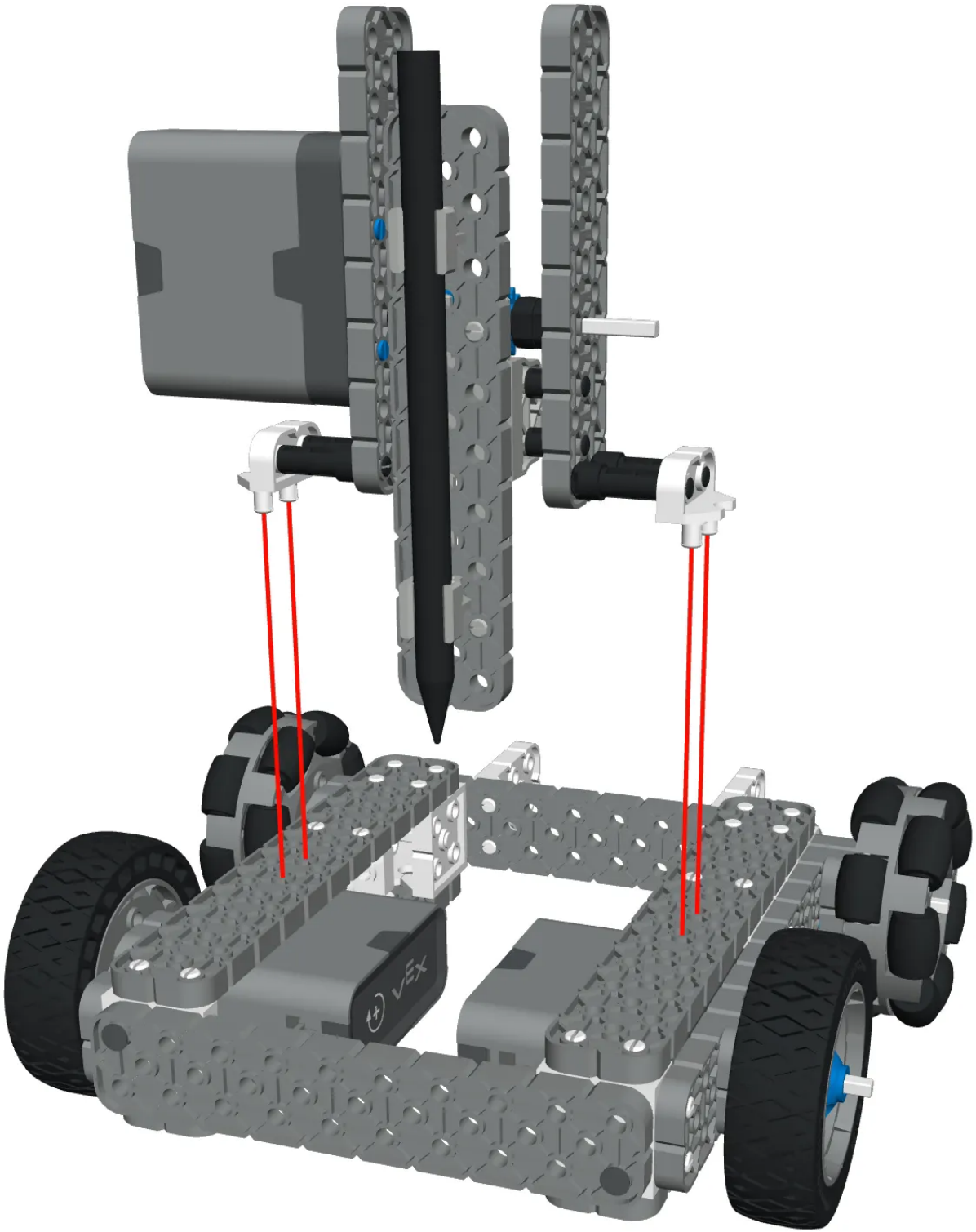


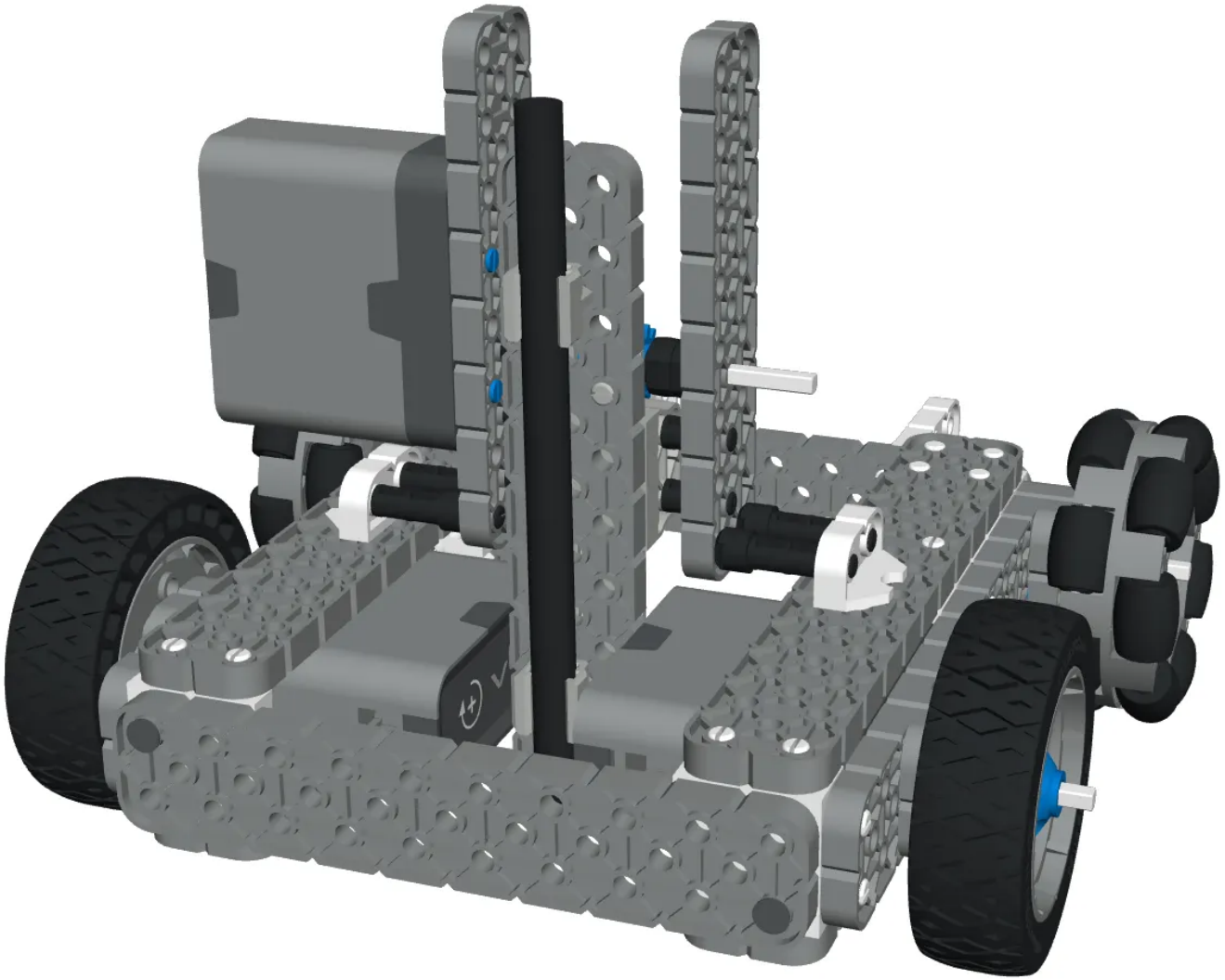


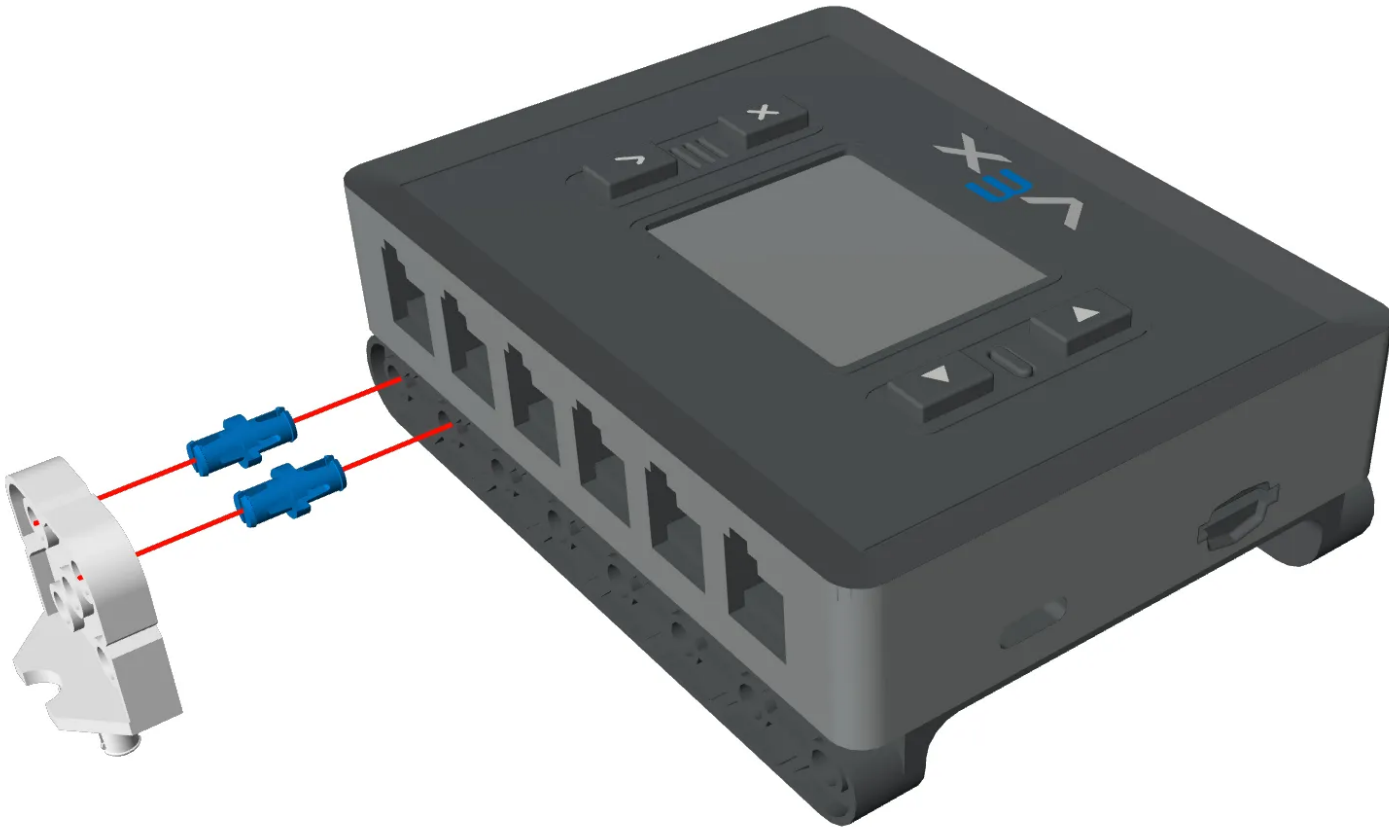








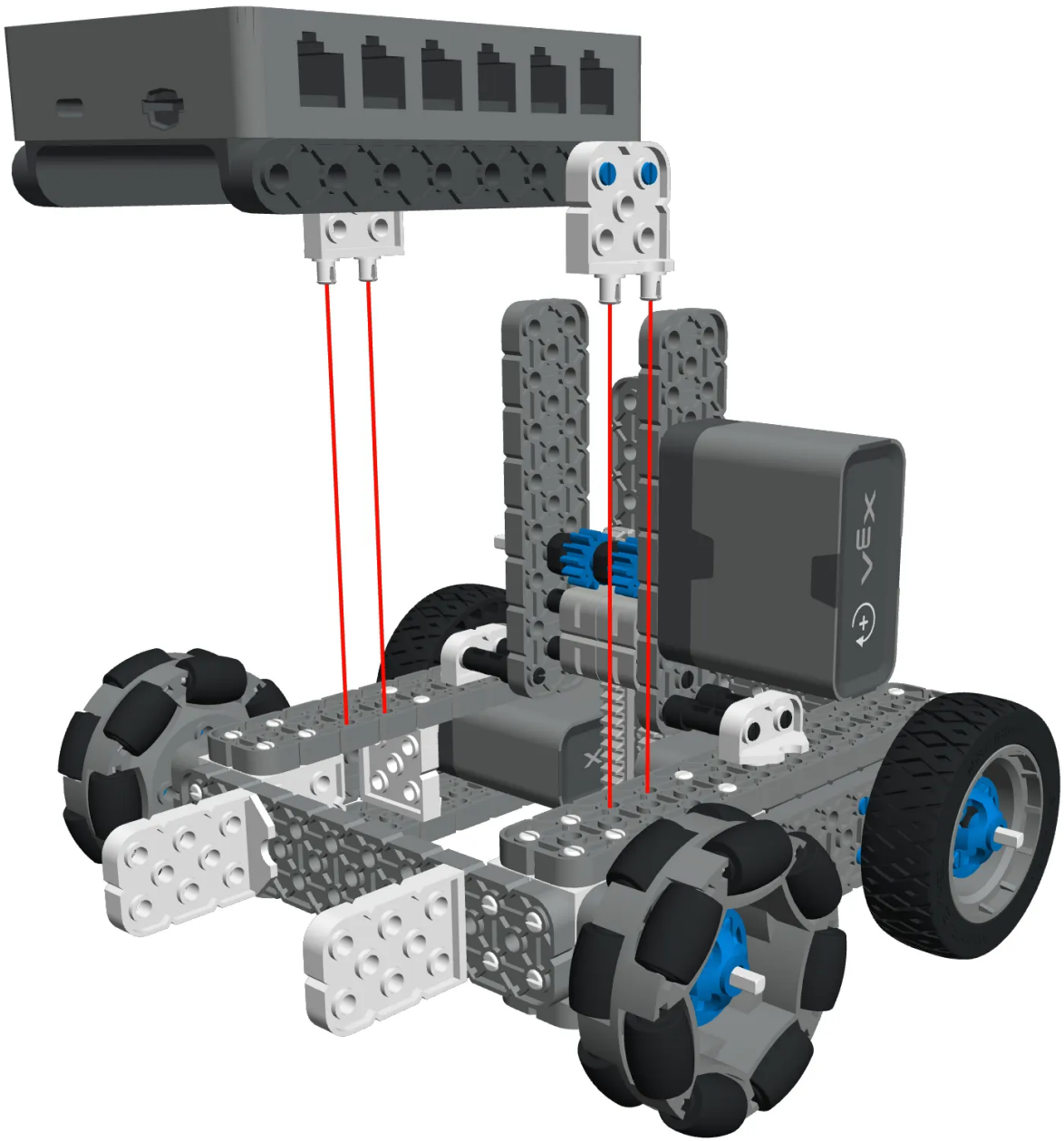


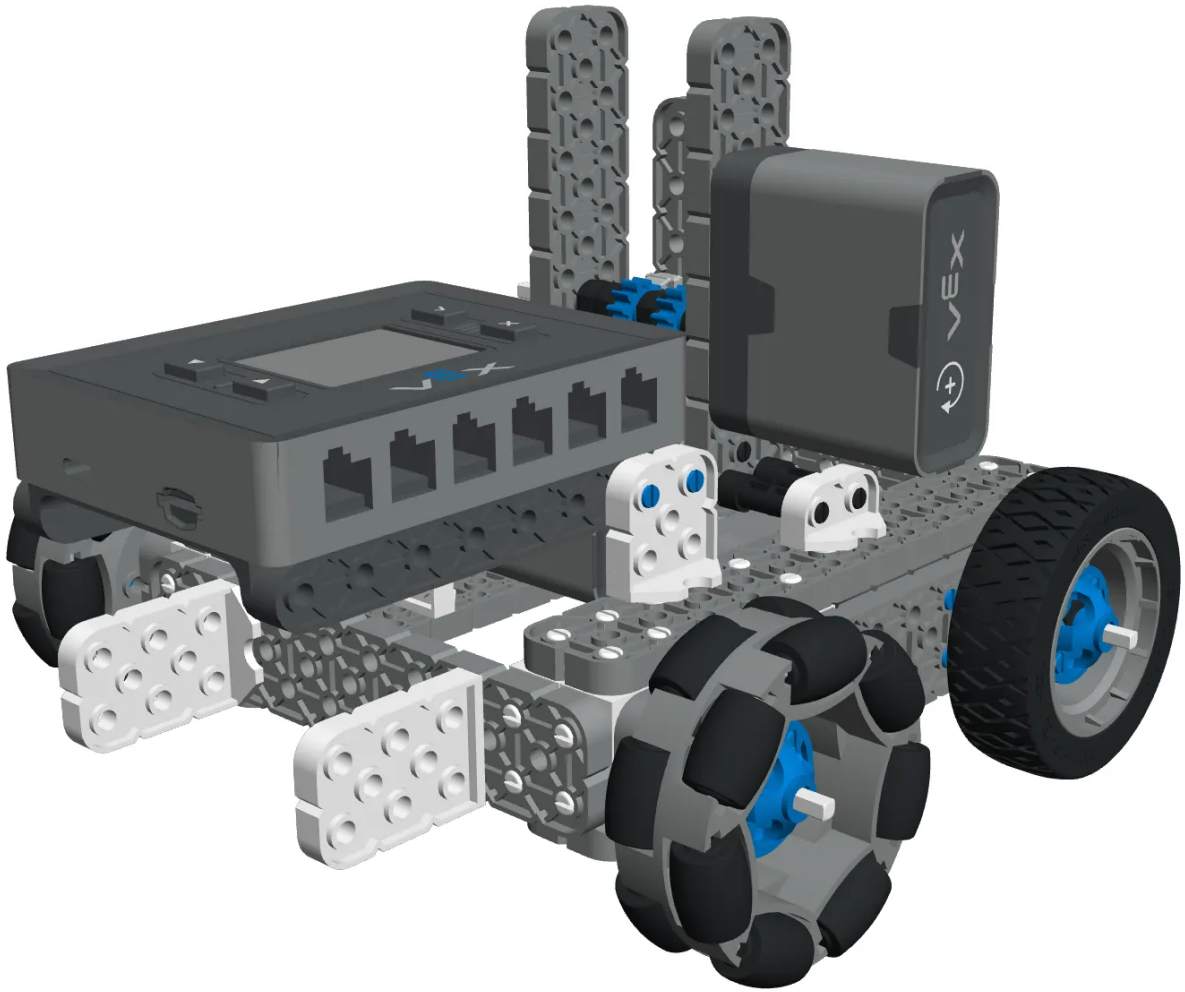


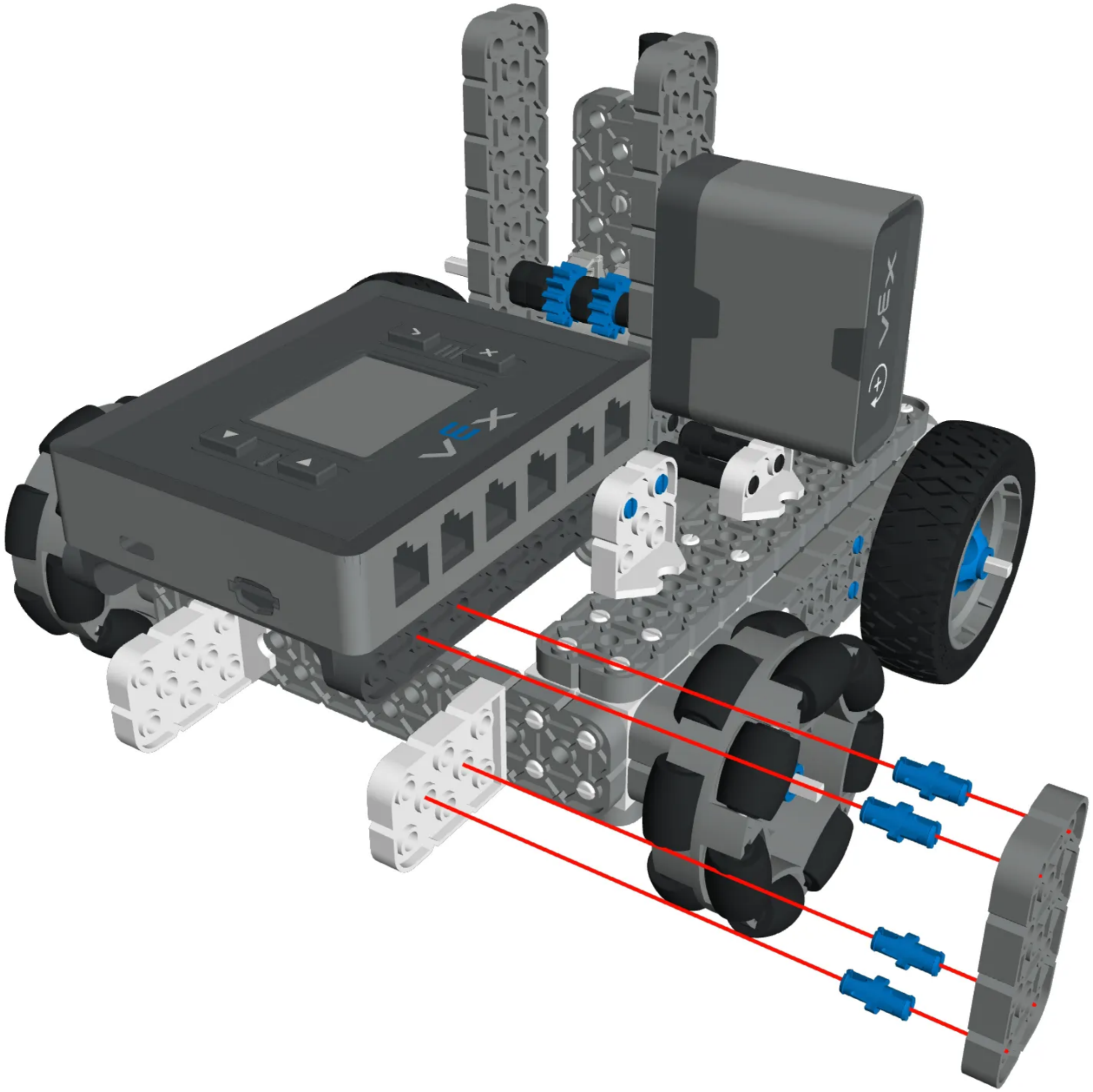


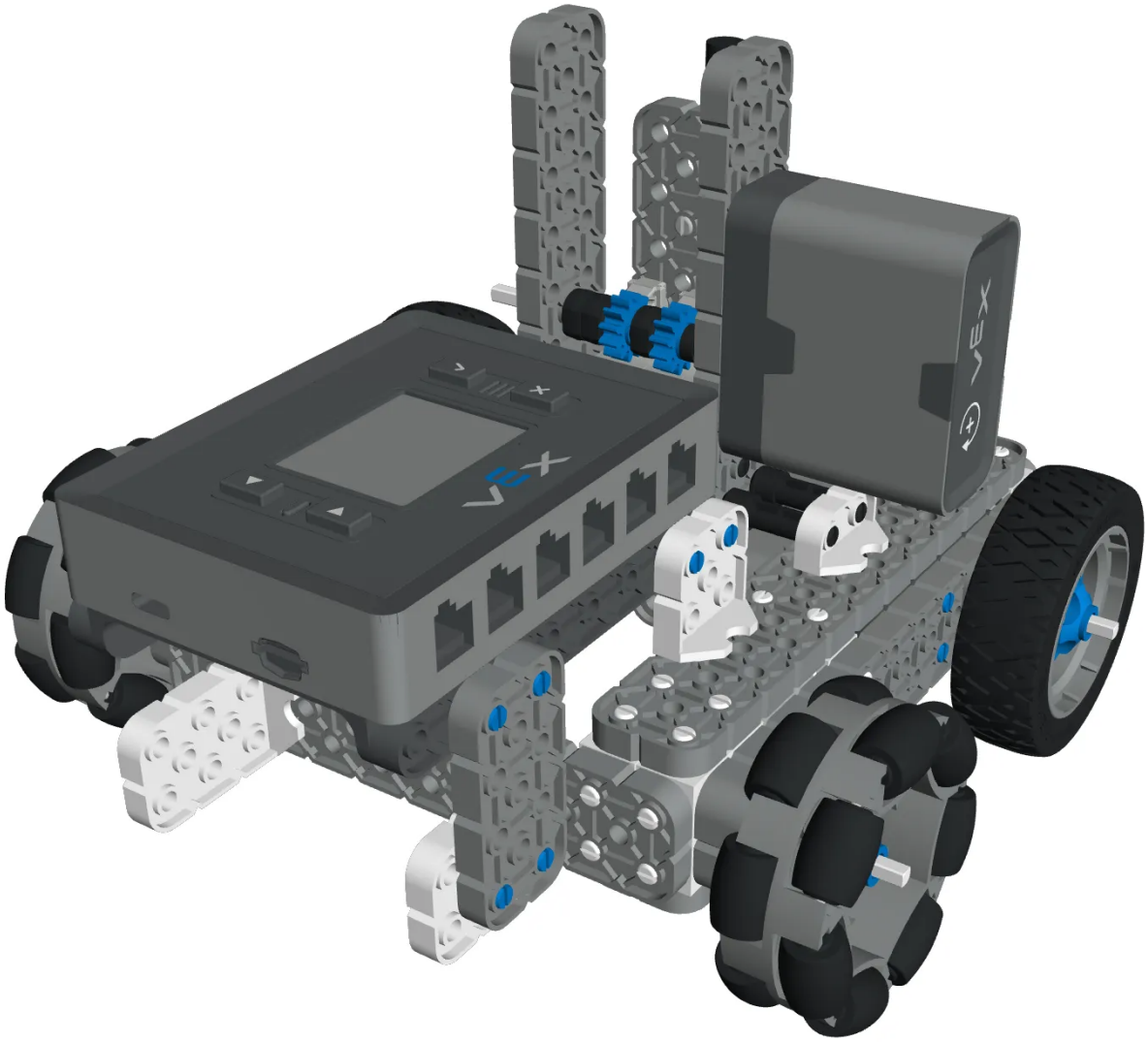


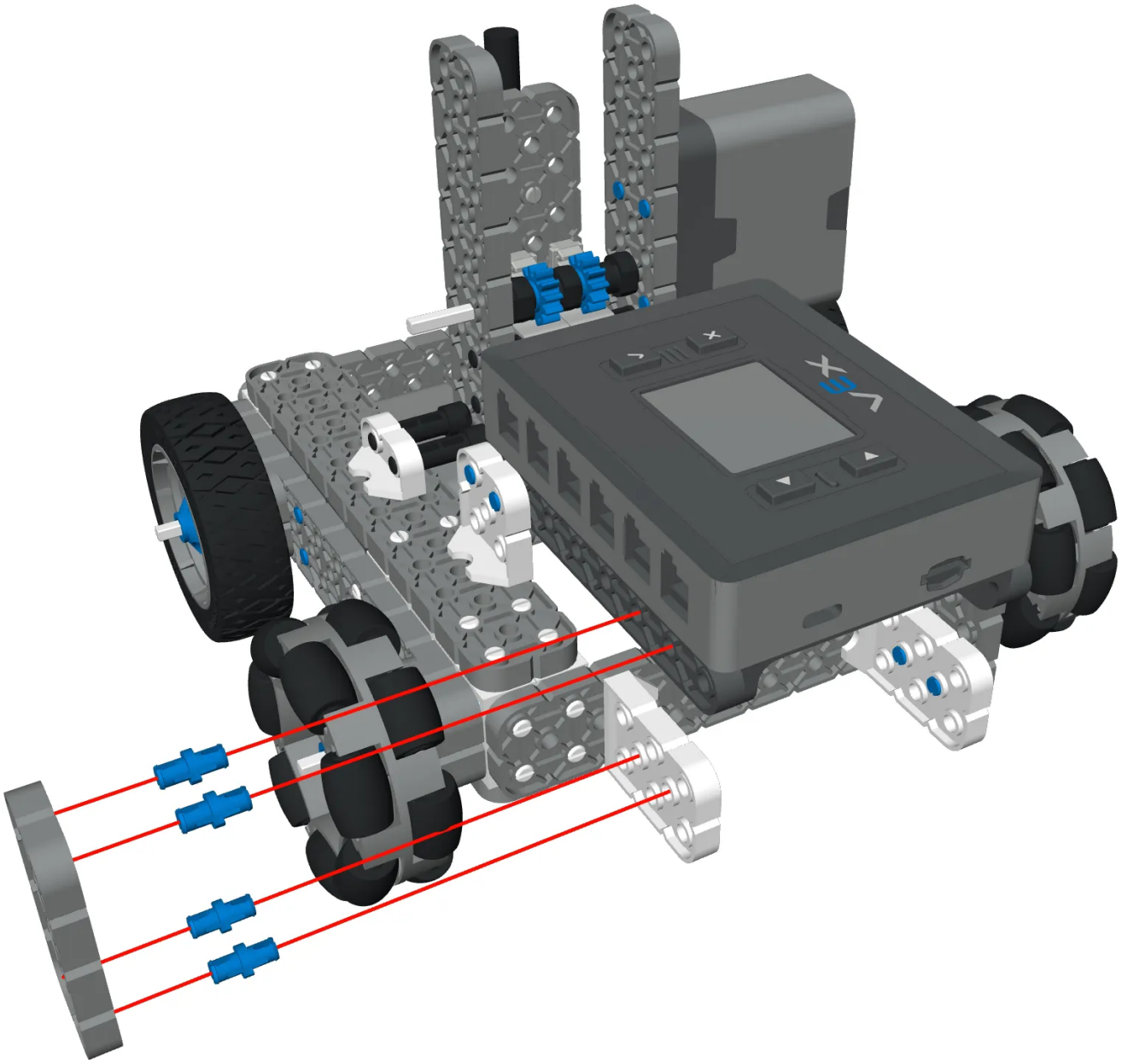


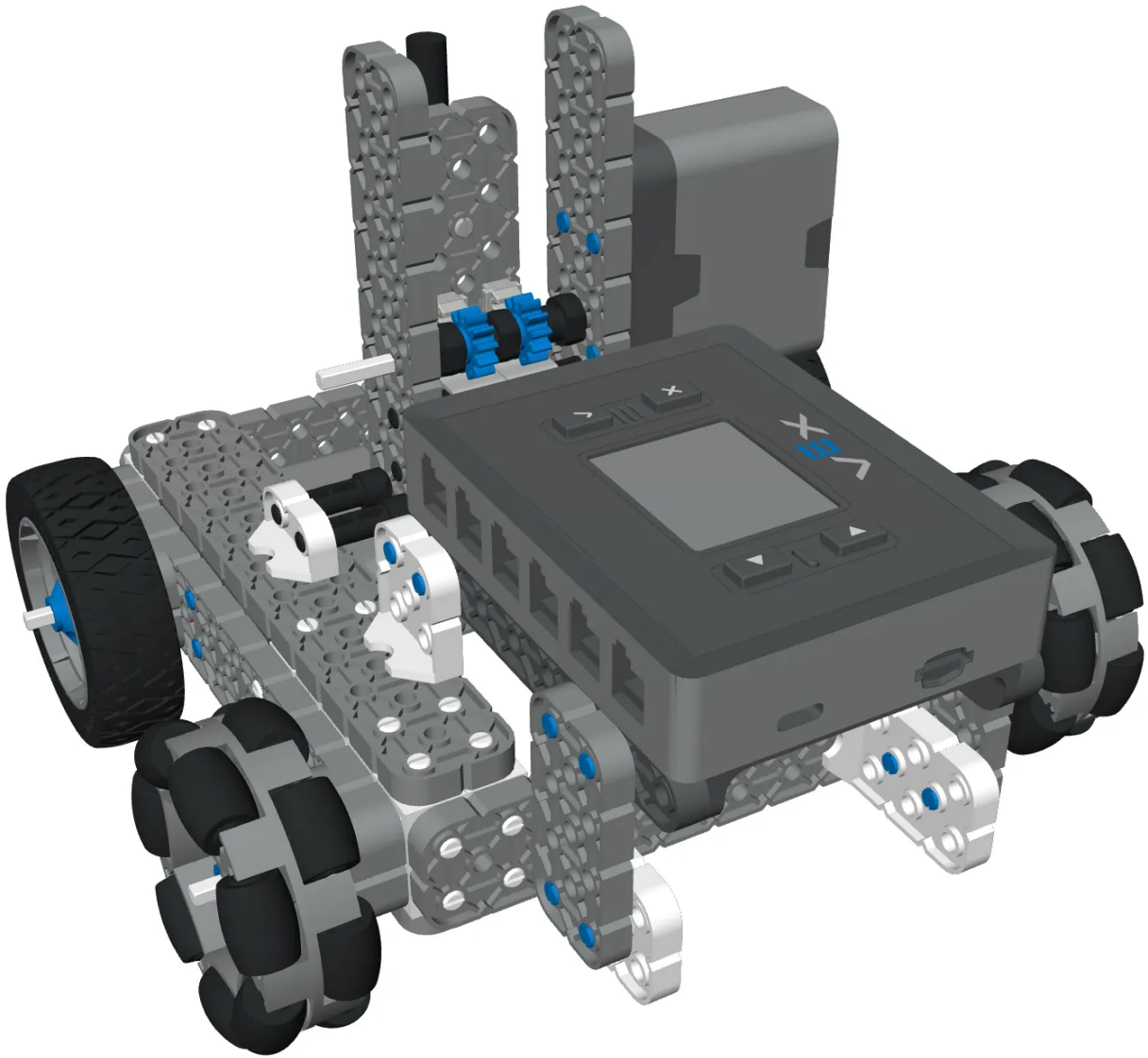

VEX

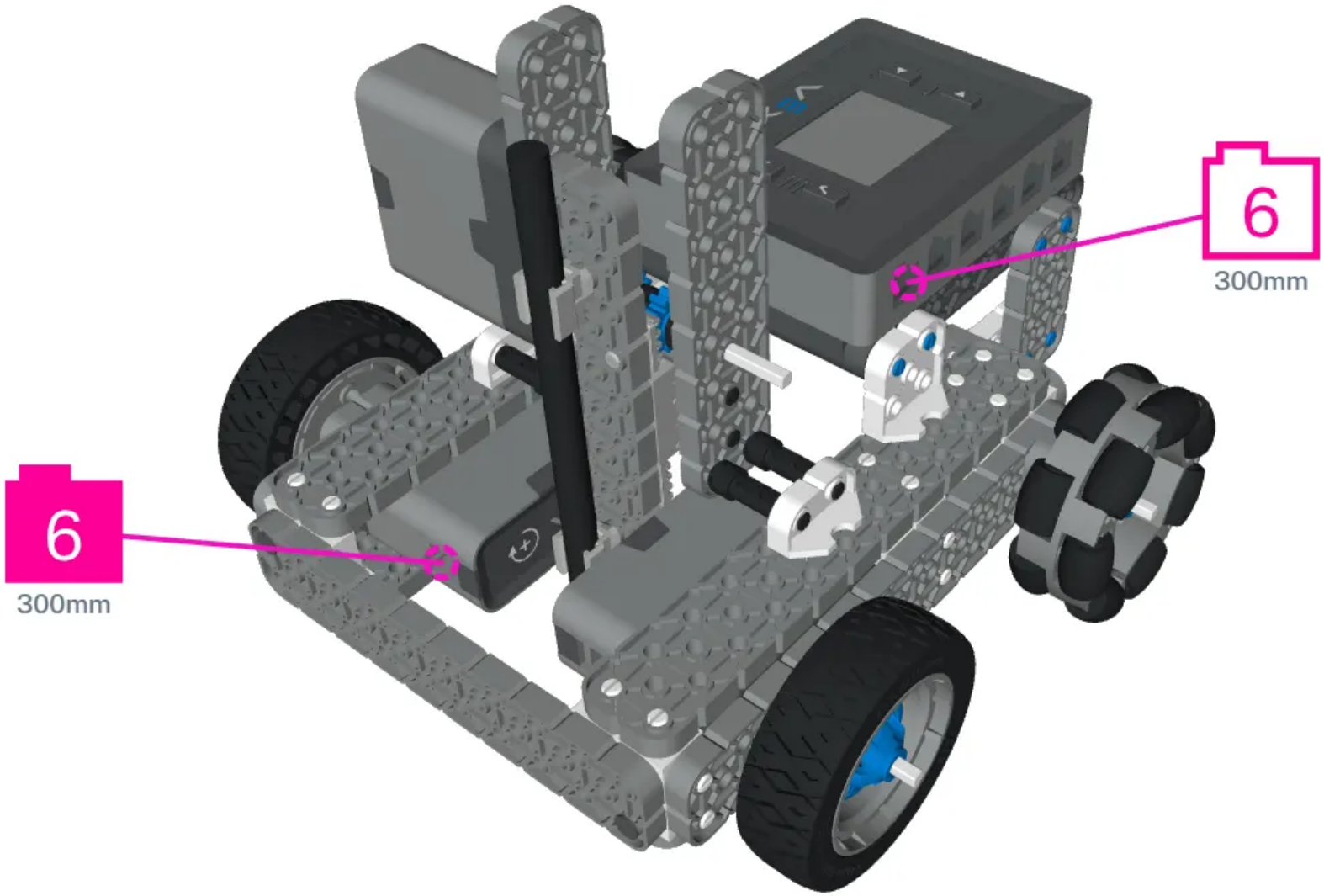

VEX

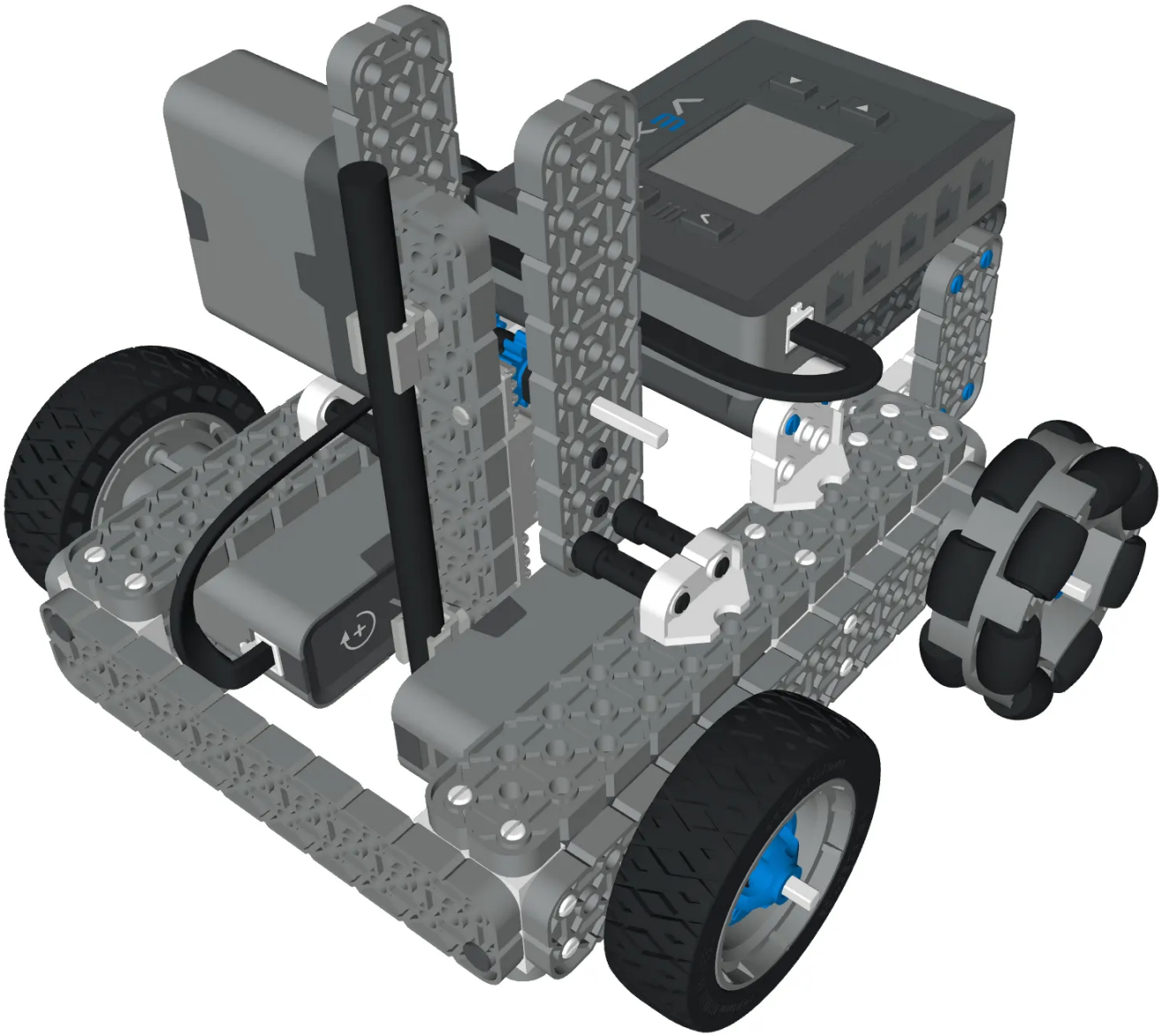

VEX
VEX

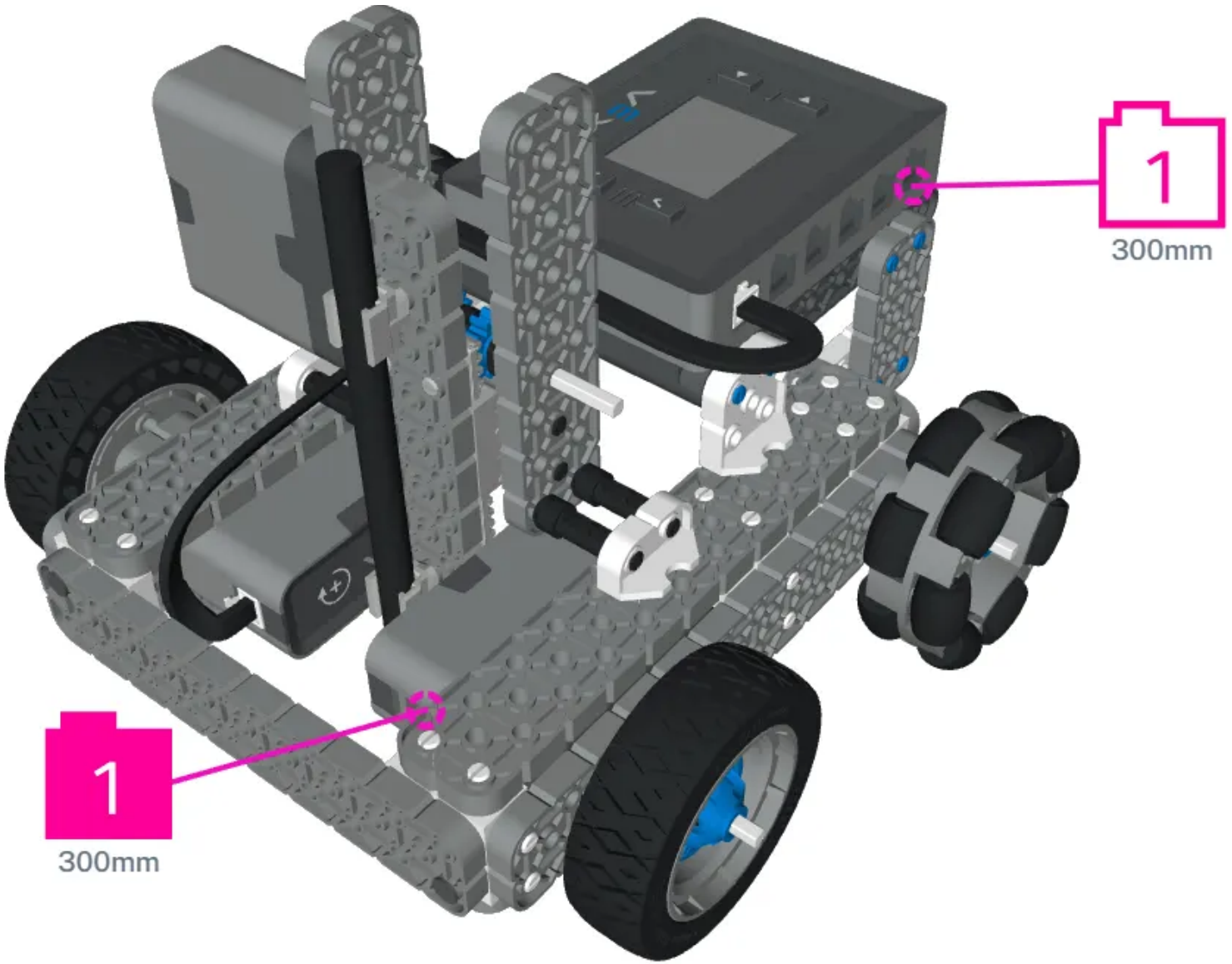

VEX
VEX

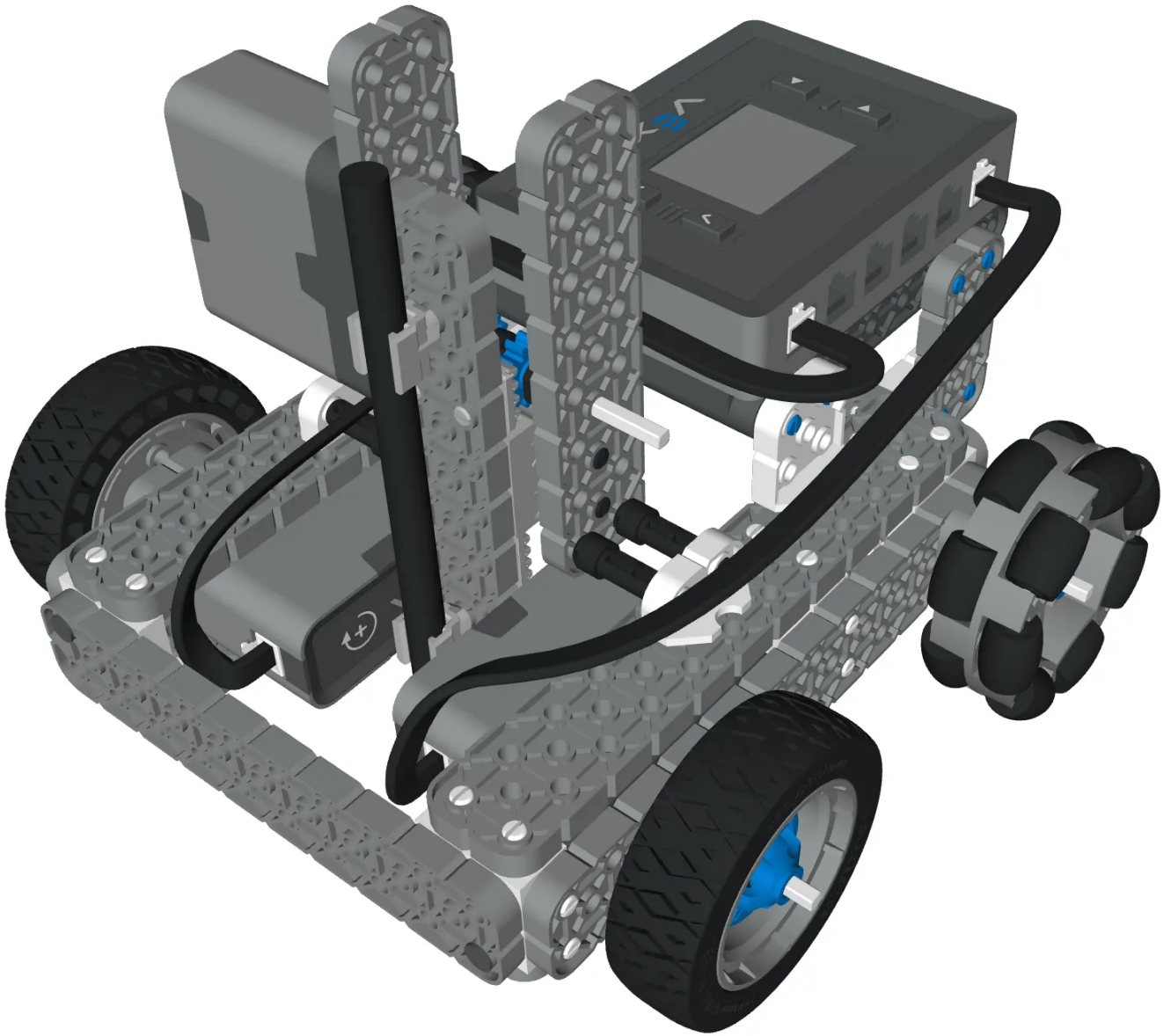


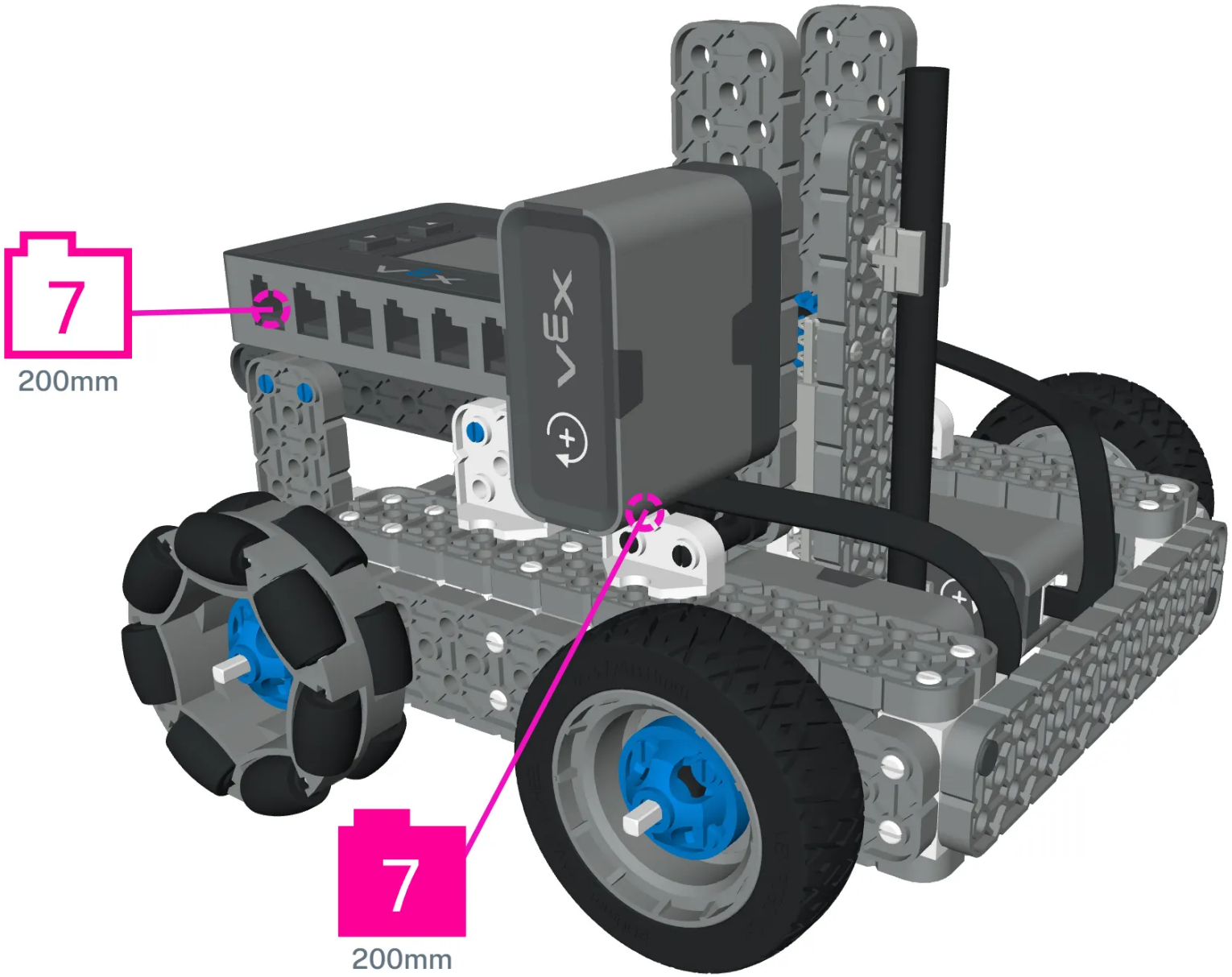


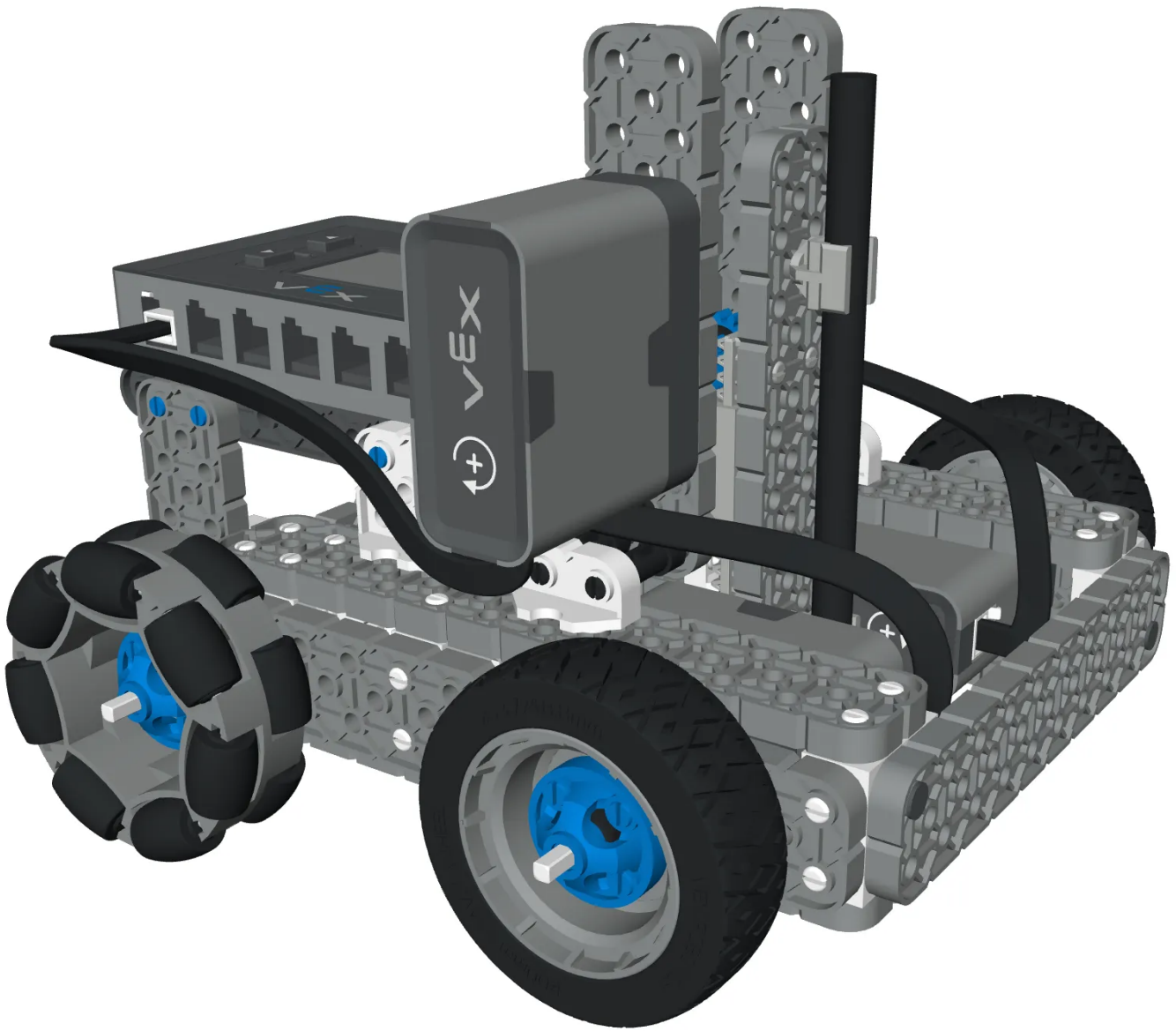

6
300mm
6
300mm




1
300mm
1
300mm




7
200mm
7
200mm


VEX

