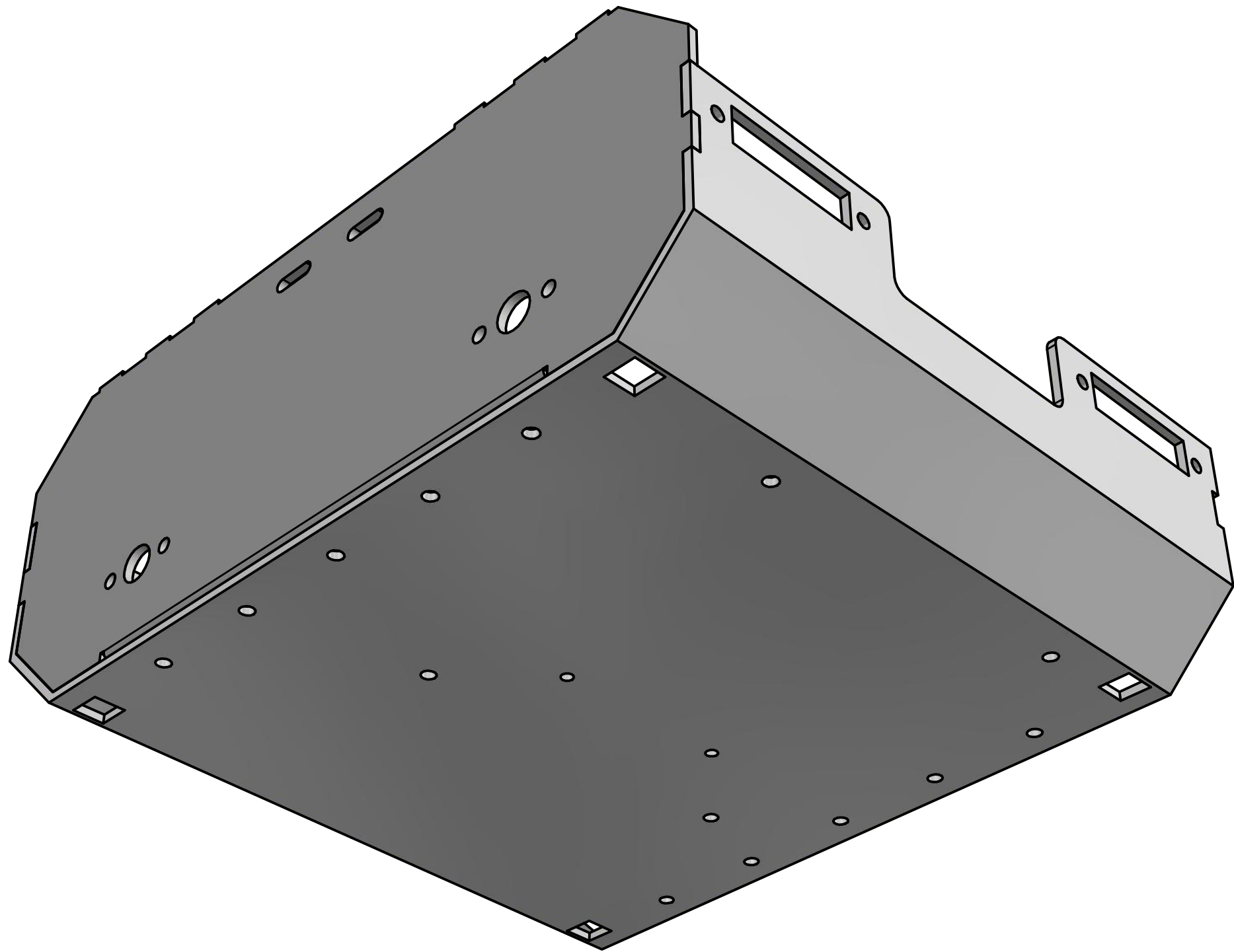
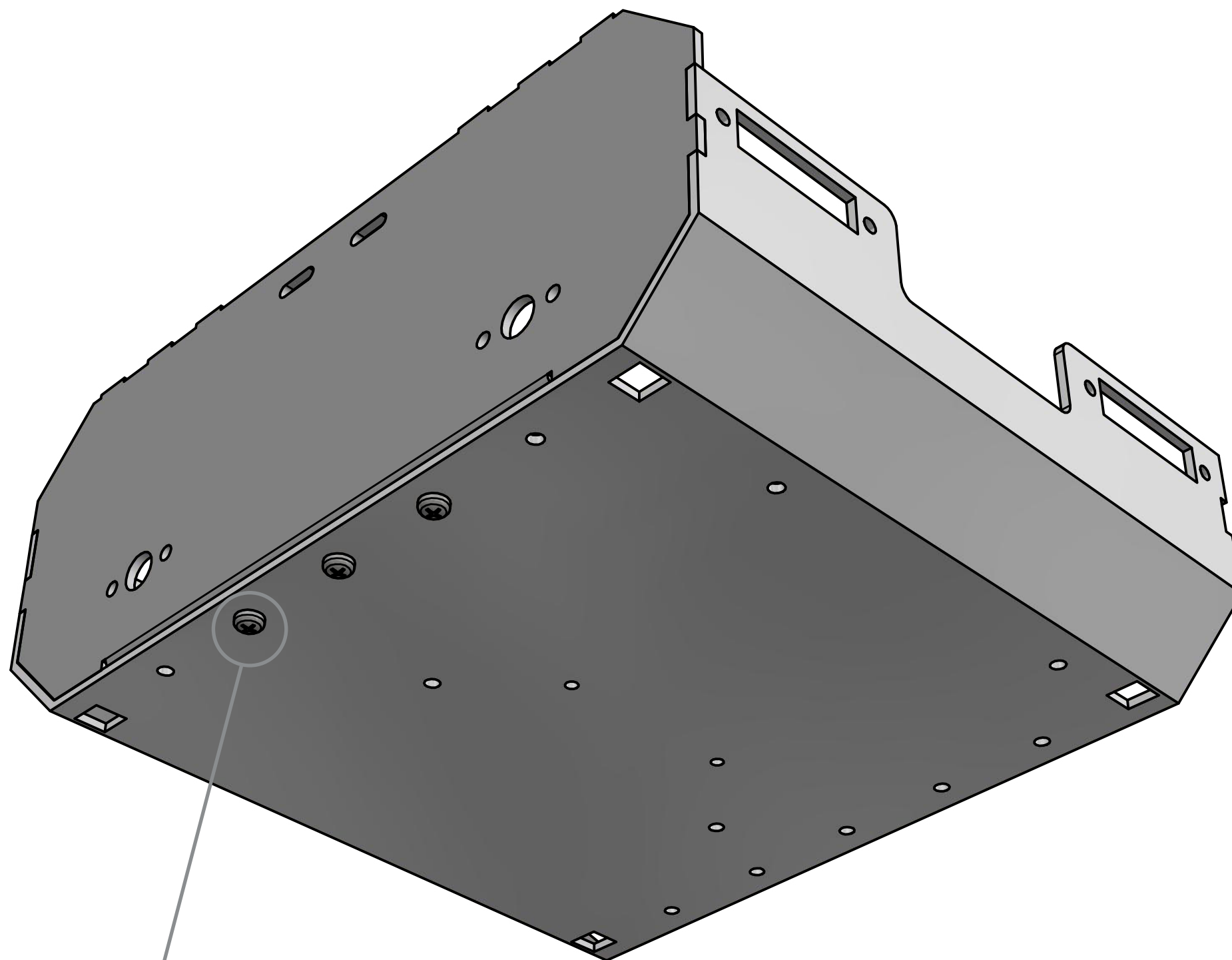




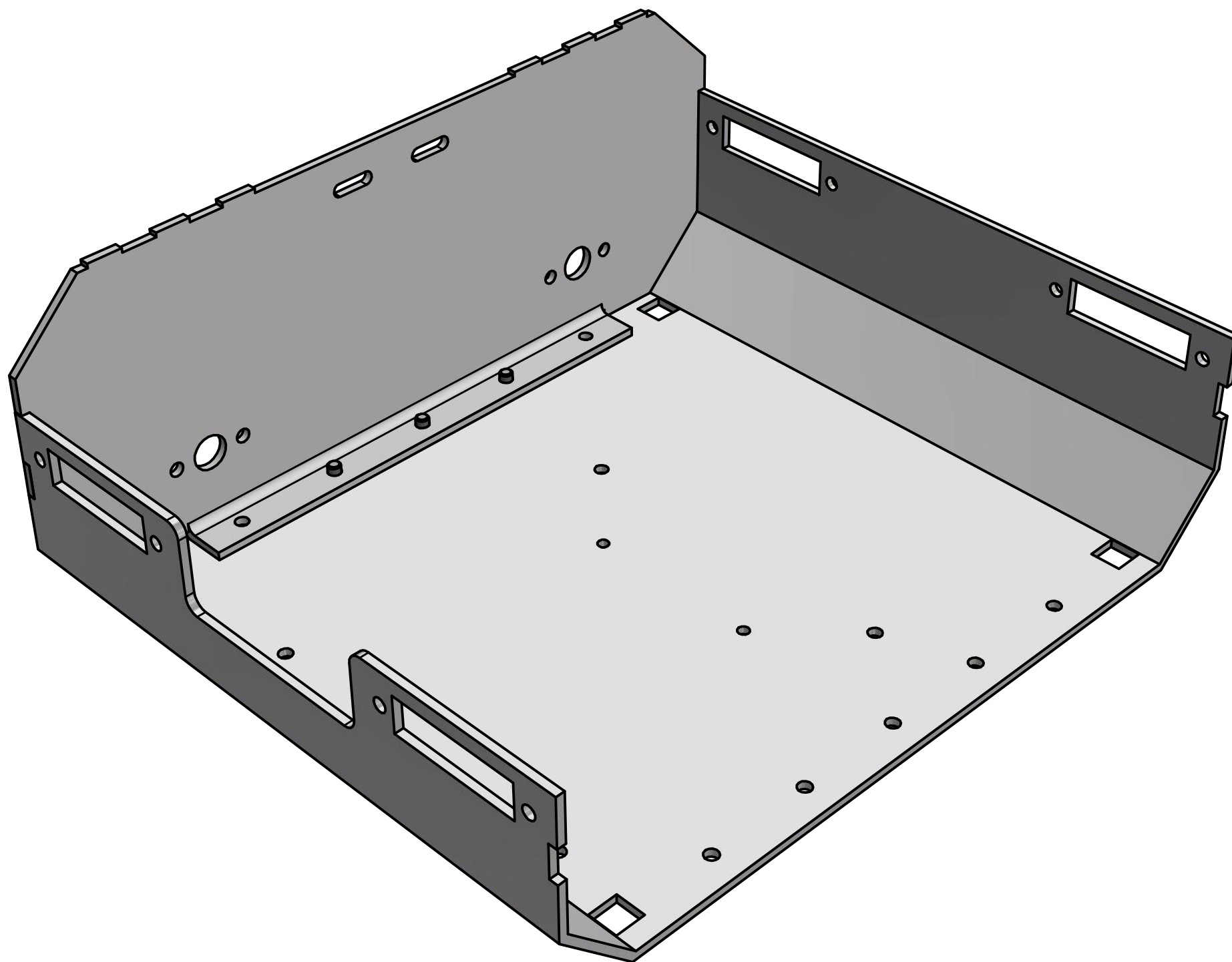
ROSbot

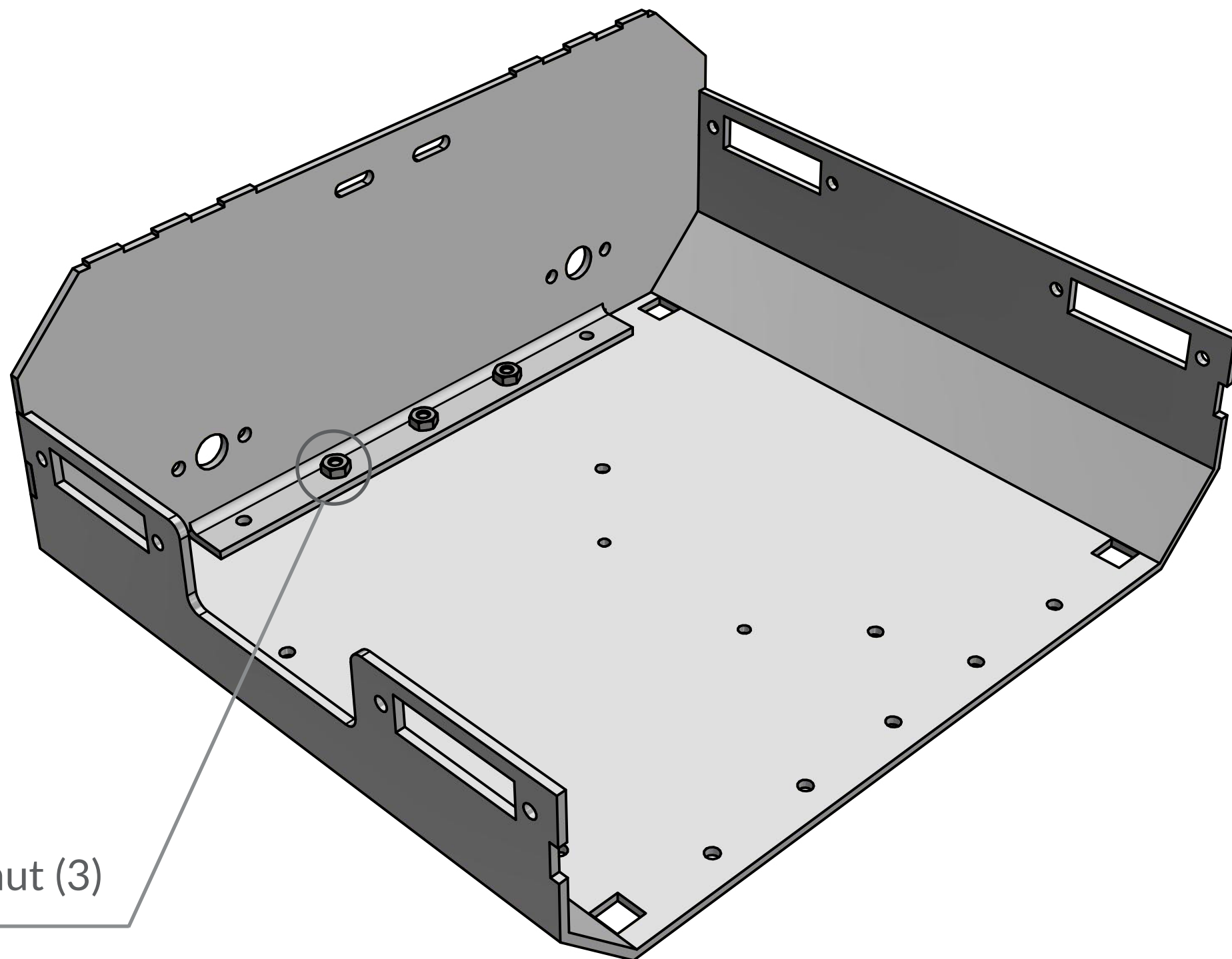
autonomous robot platform



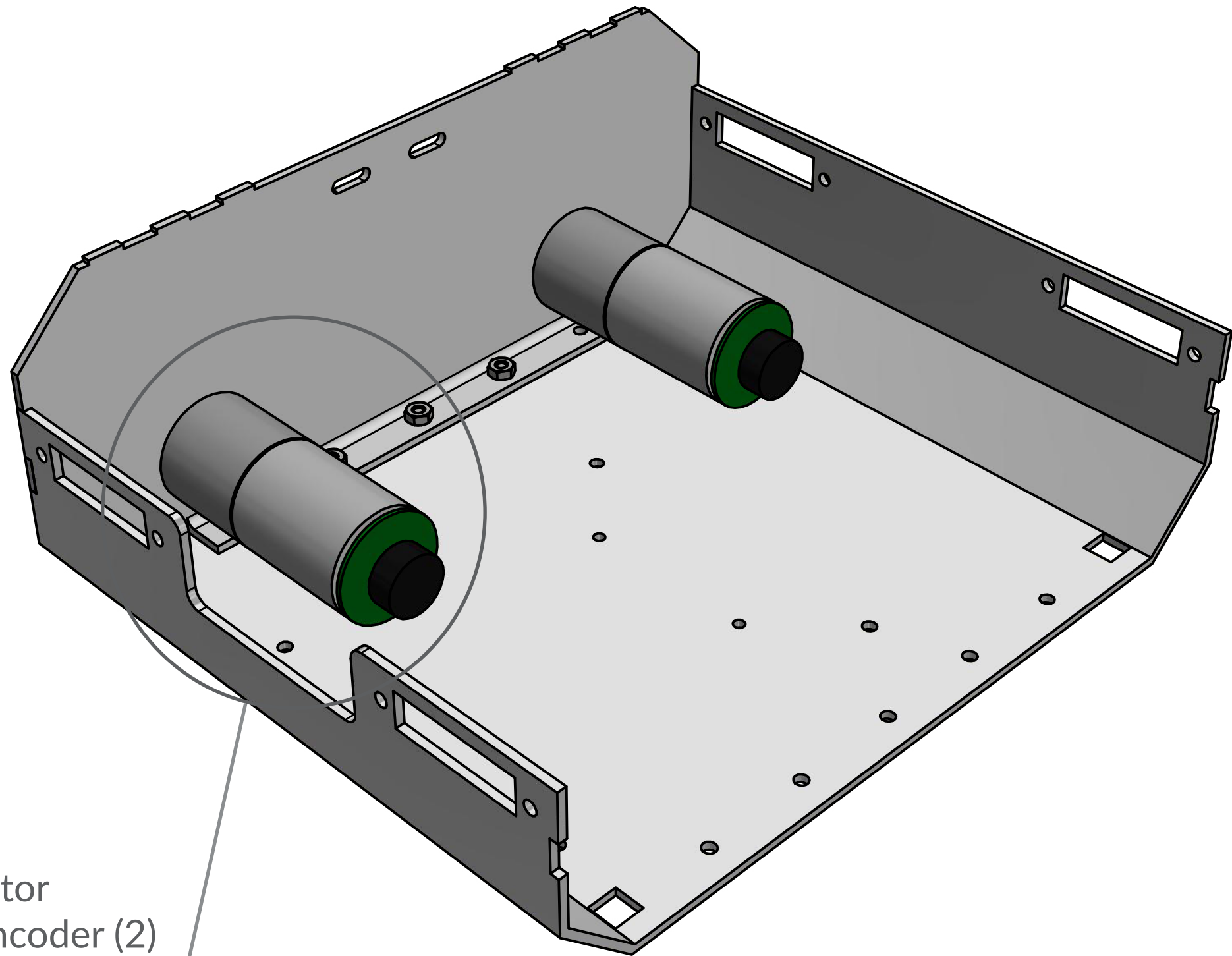


M3x6 screw (3)

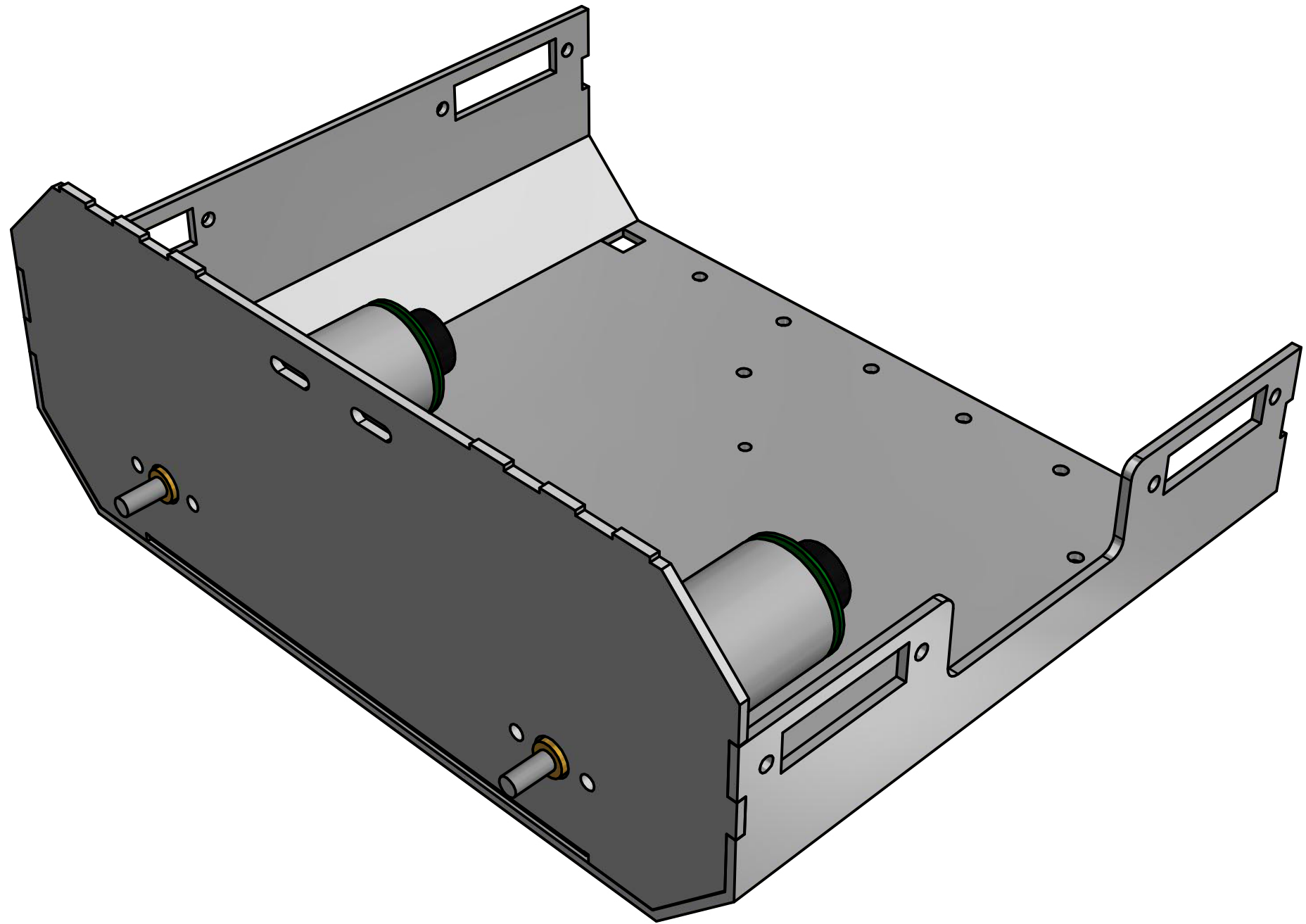


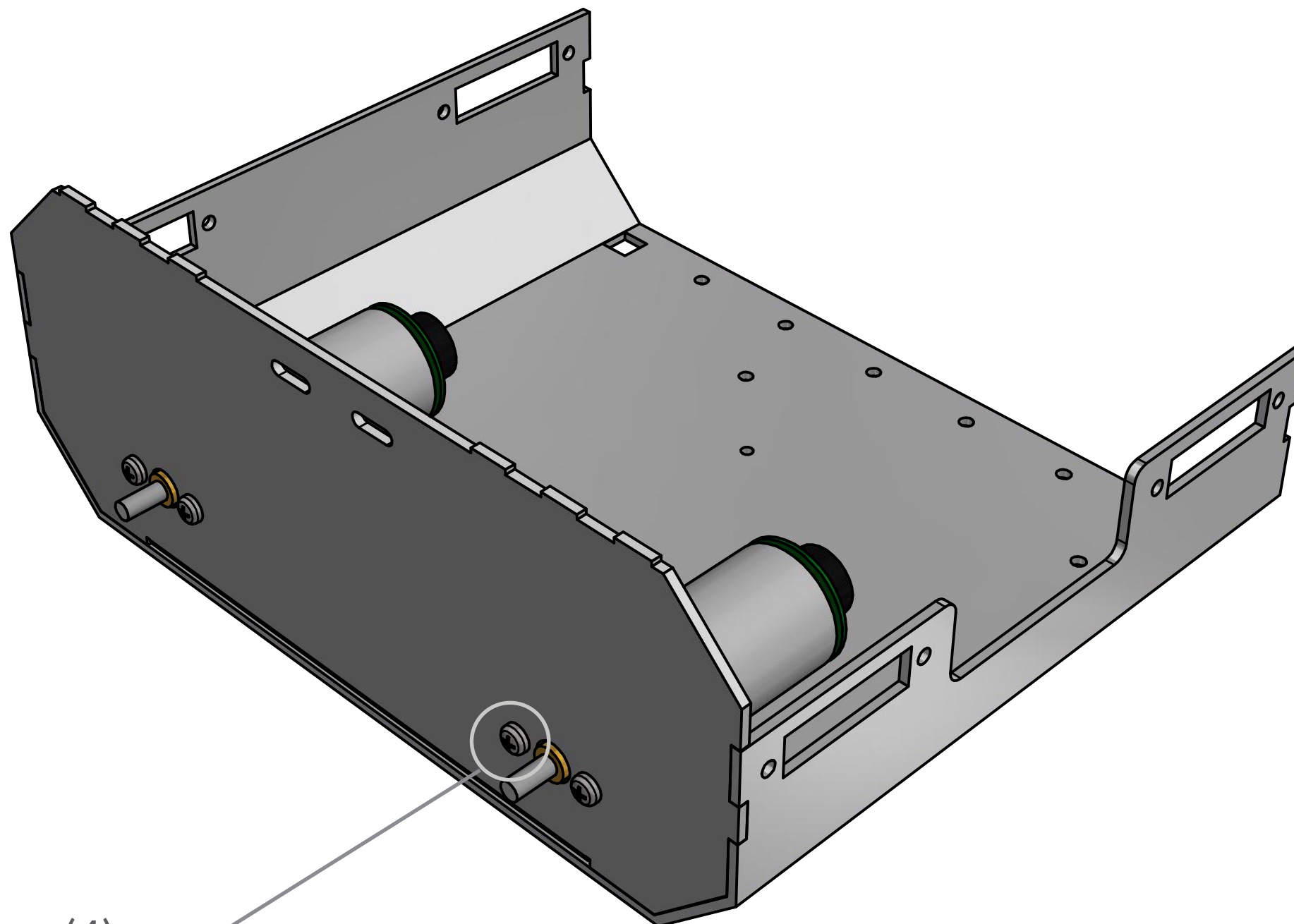


M3 nut (3)

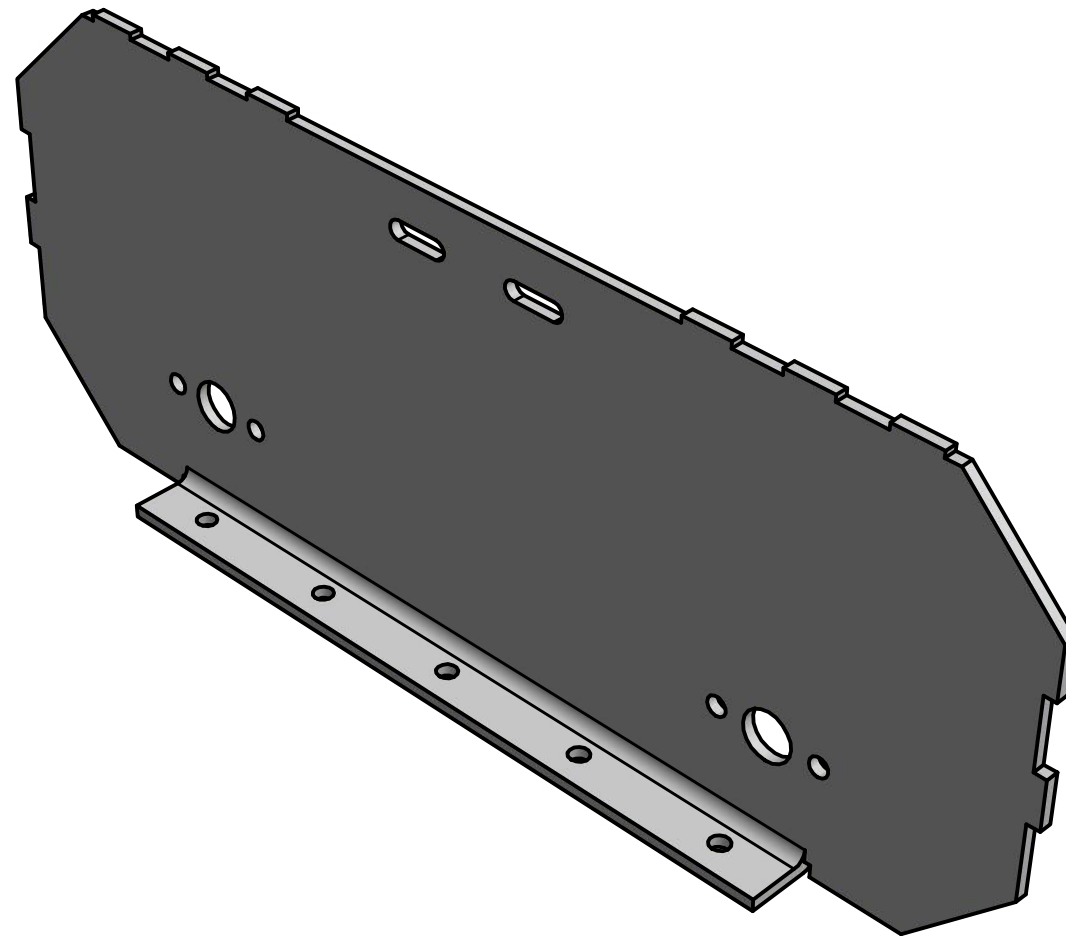


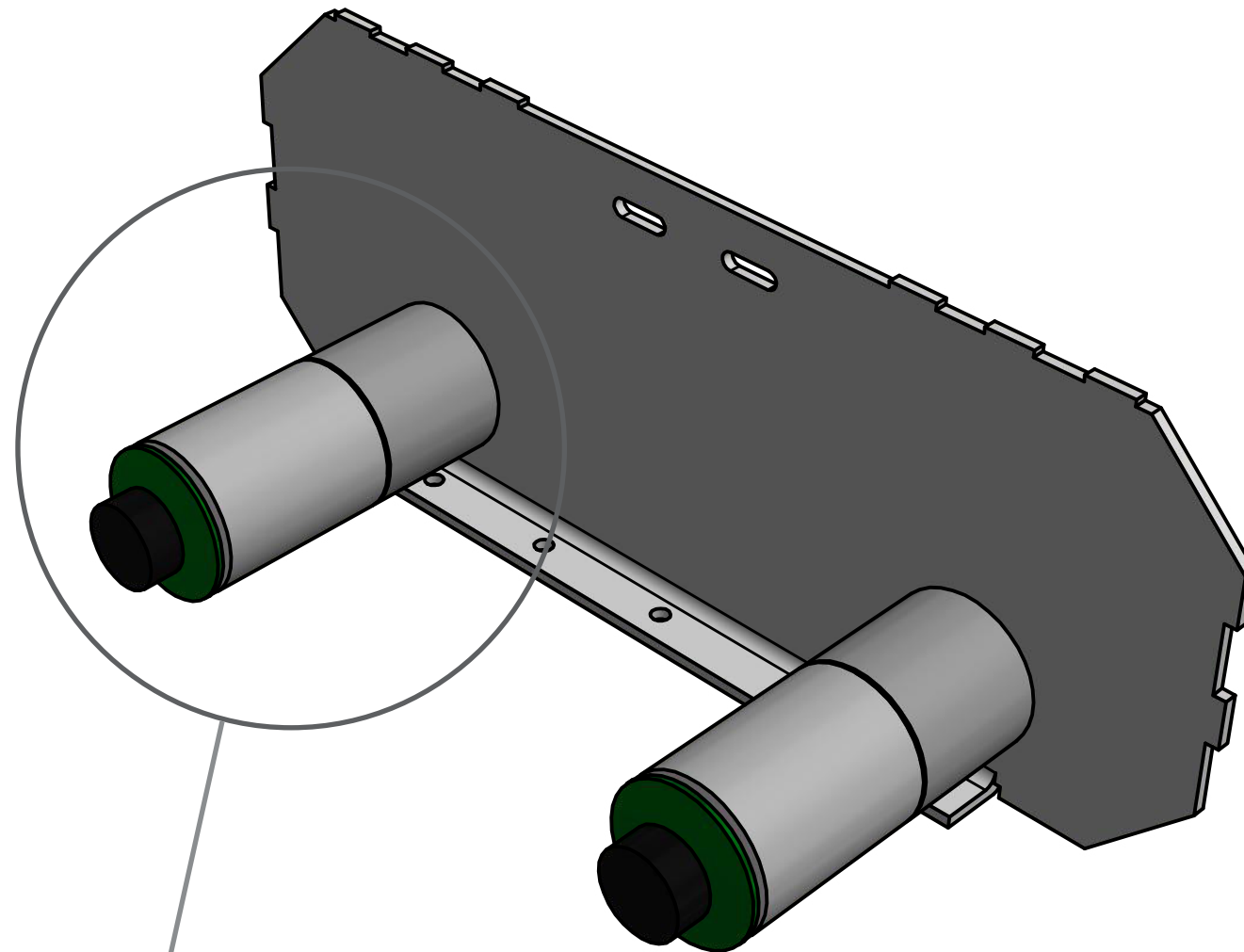
DC motor
with encoder (2)



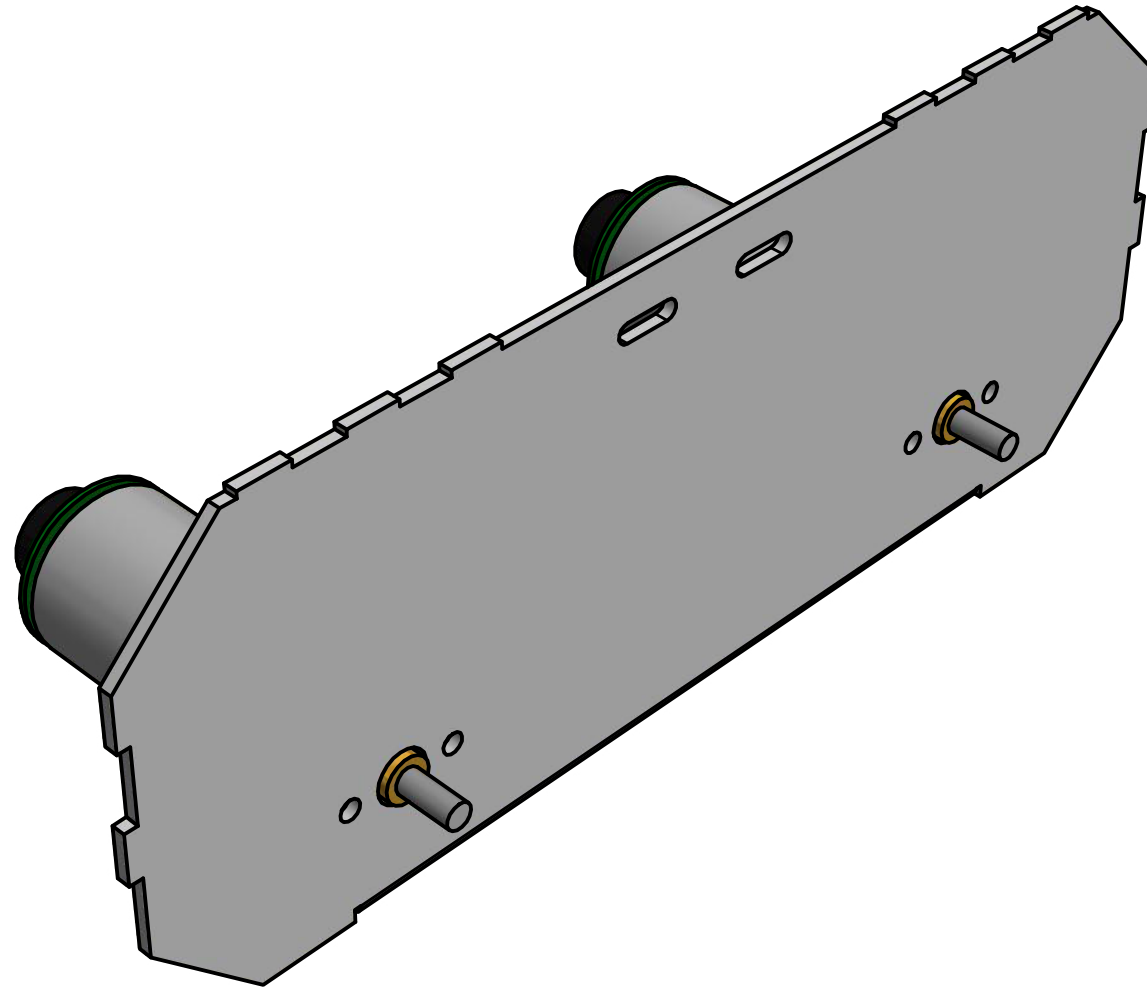


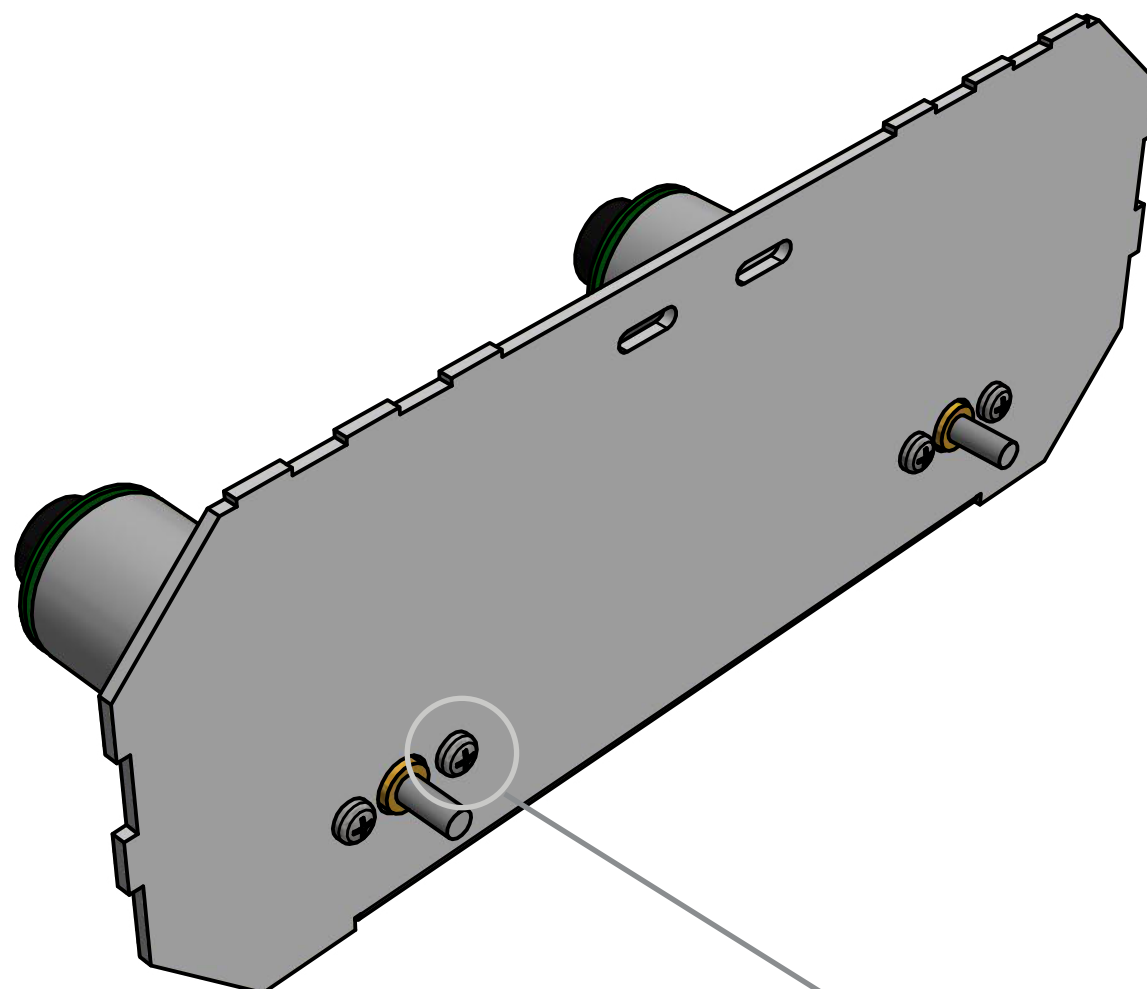
M3x6 screw (4)



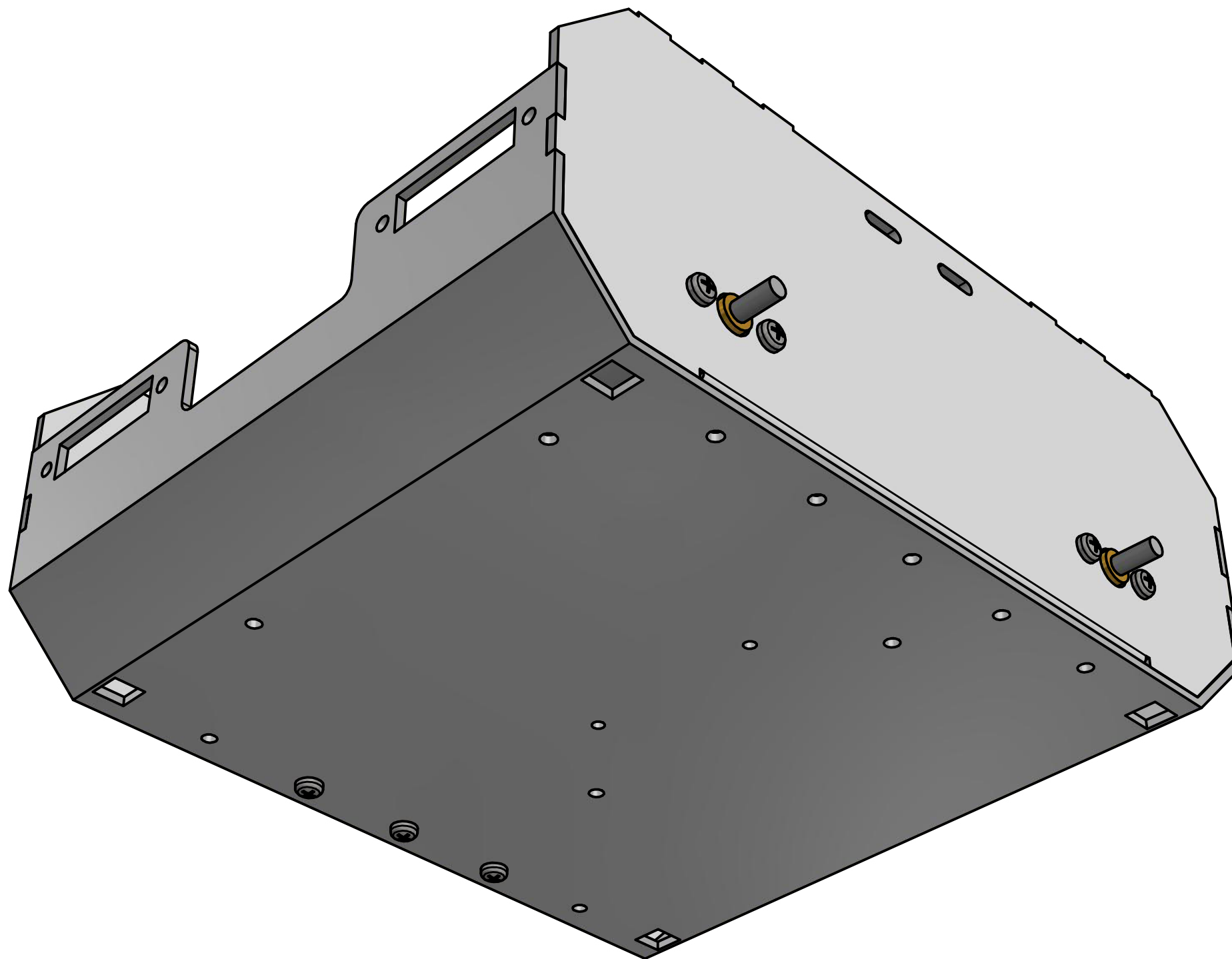


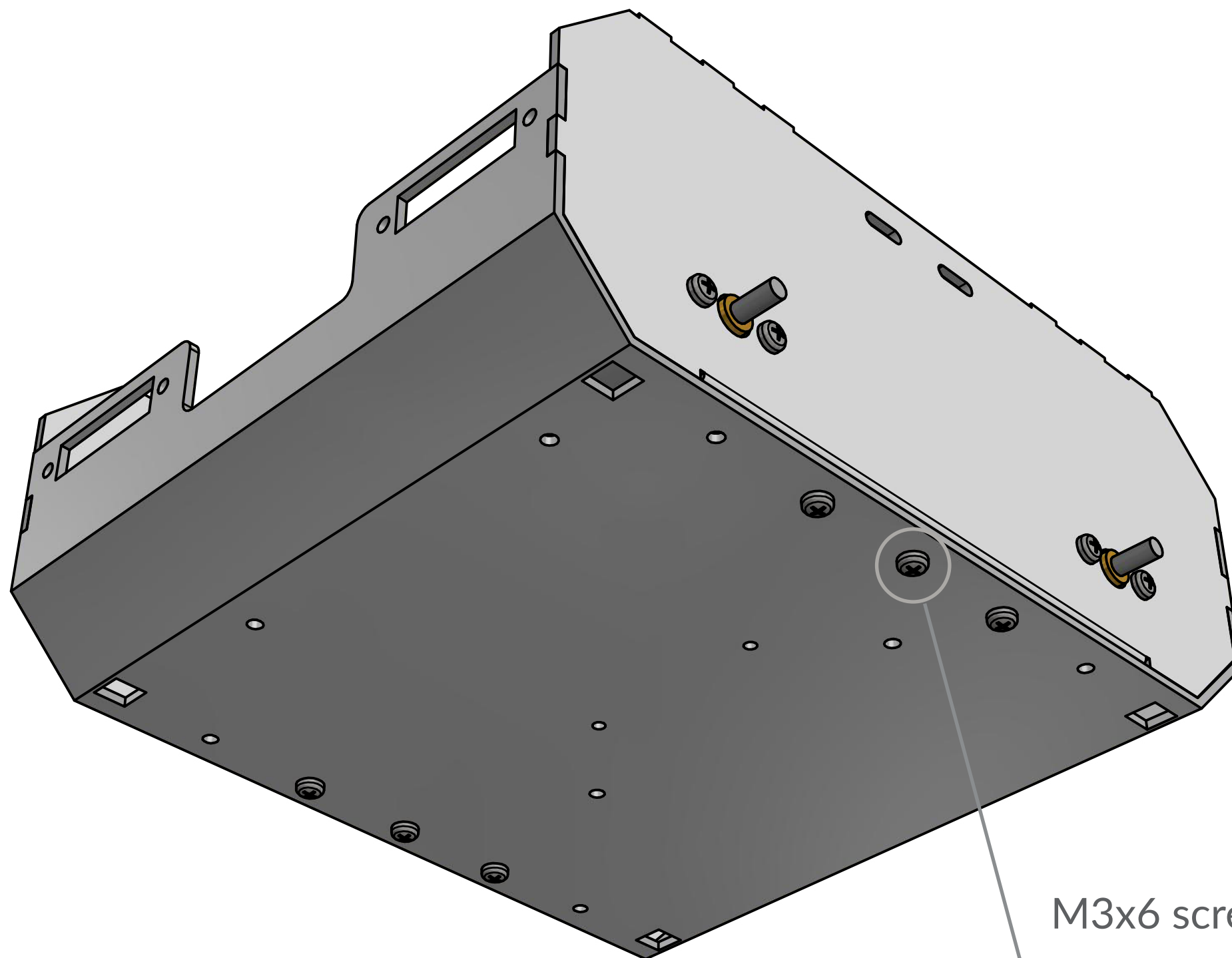
DC motor
with encoder (2)

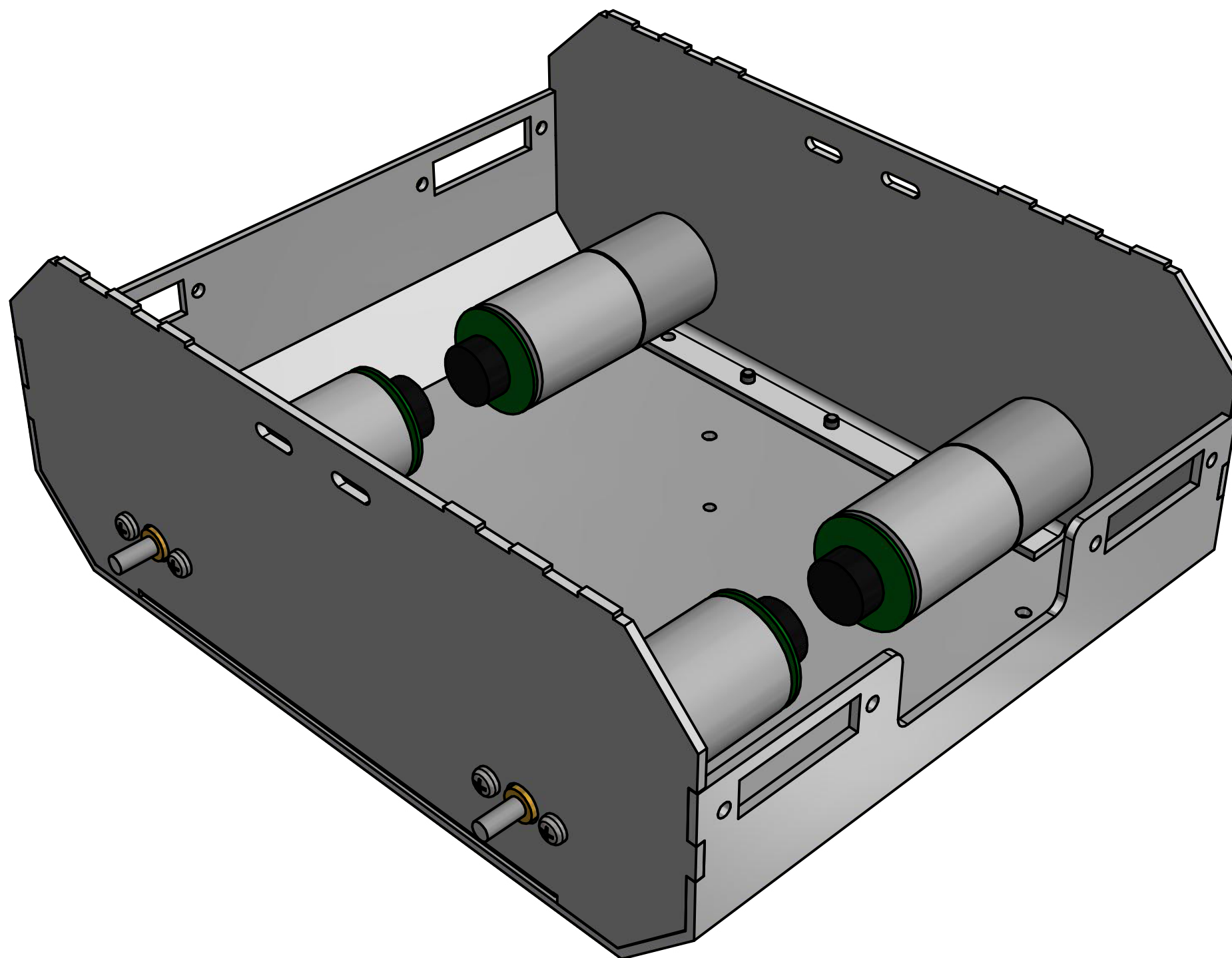


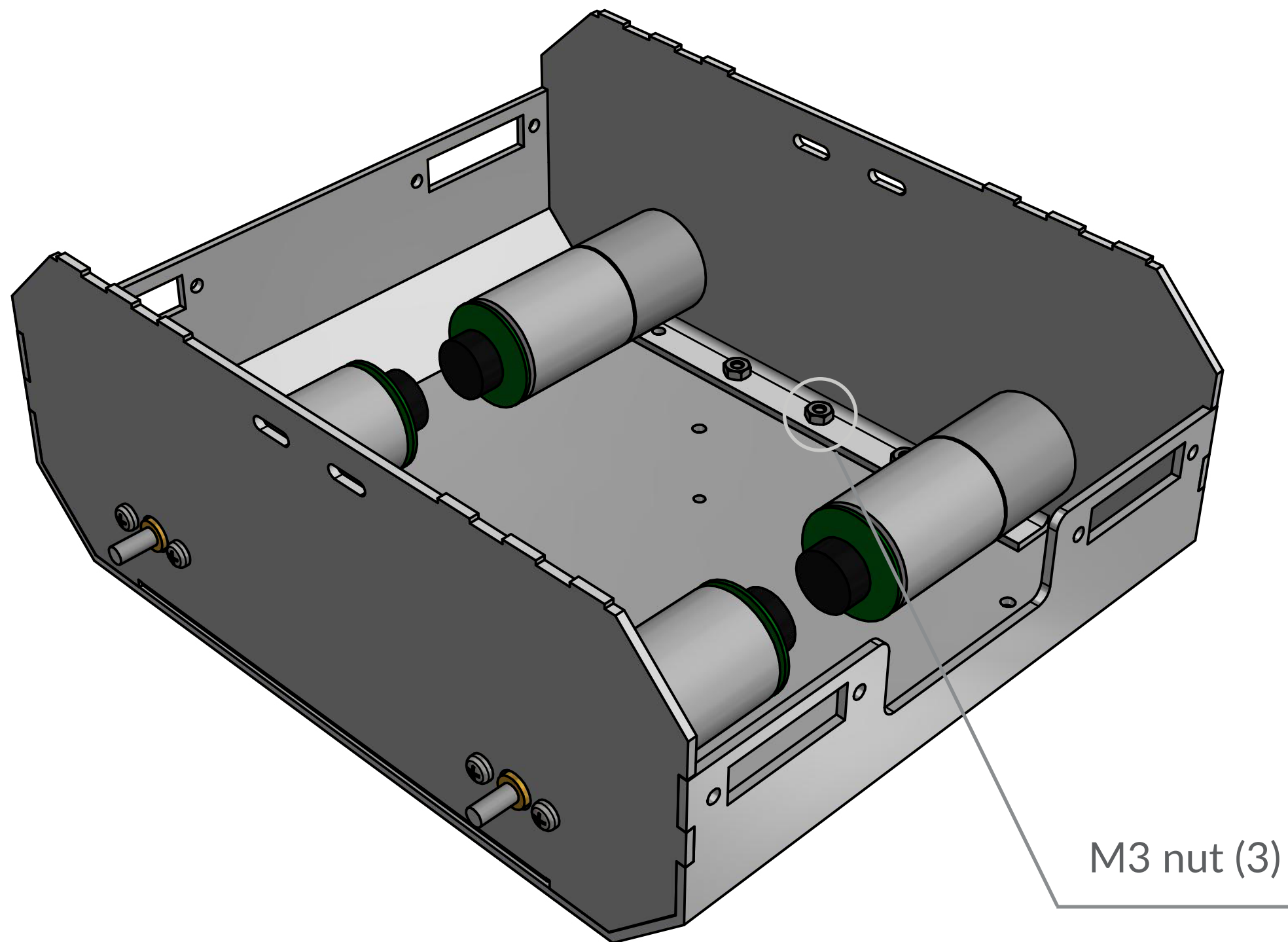


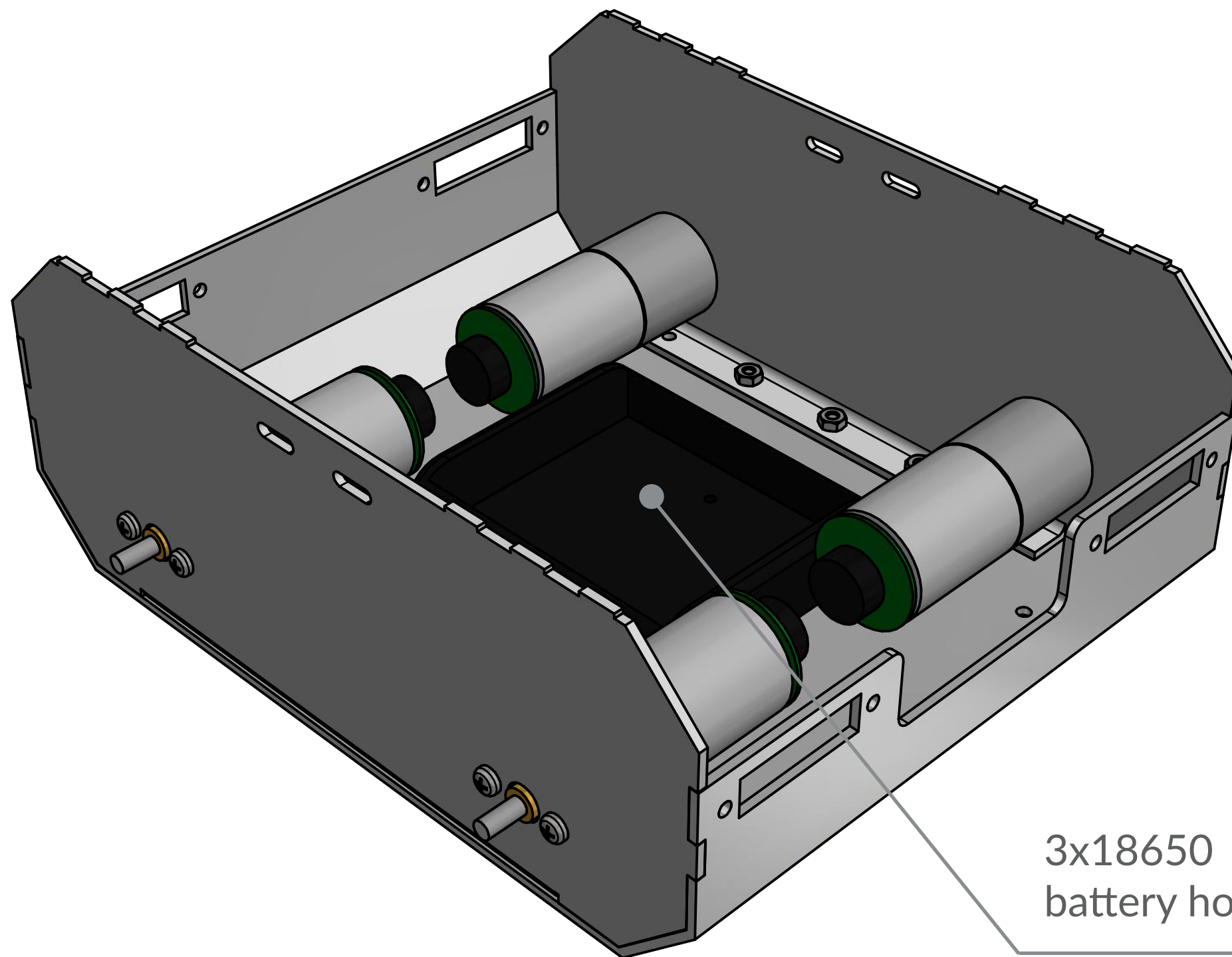
M3x6 screw (4)



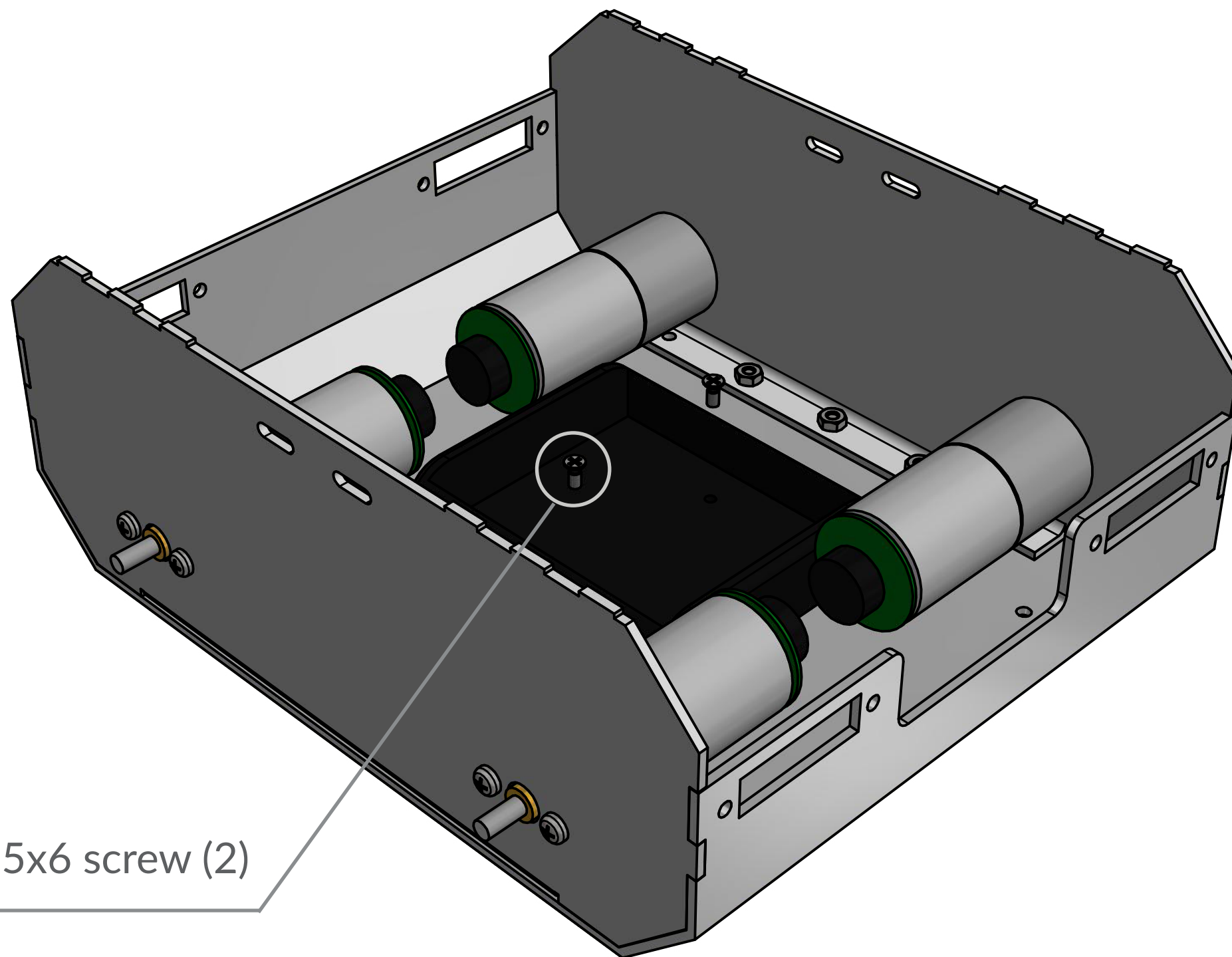




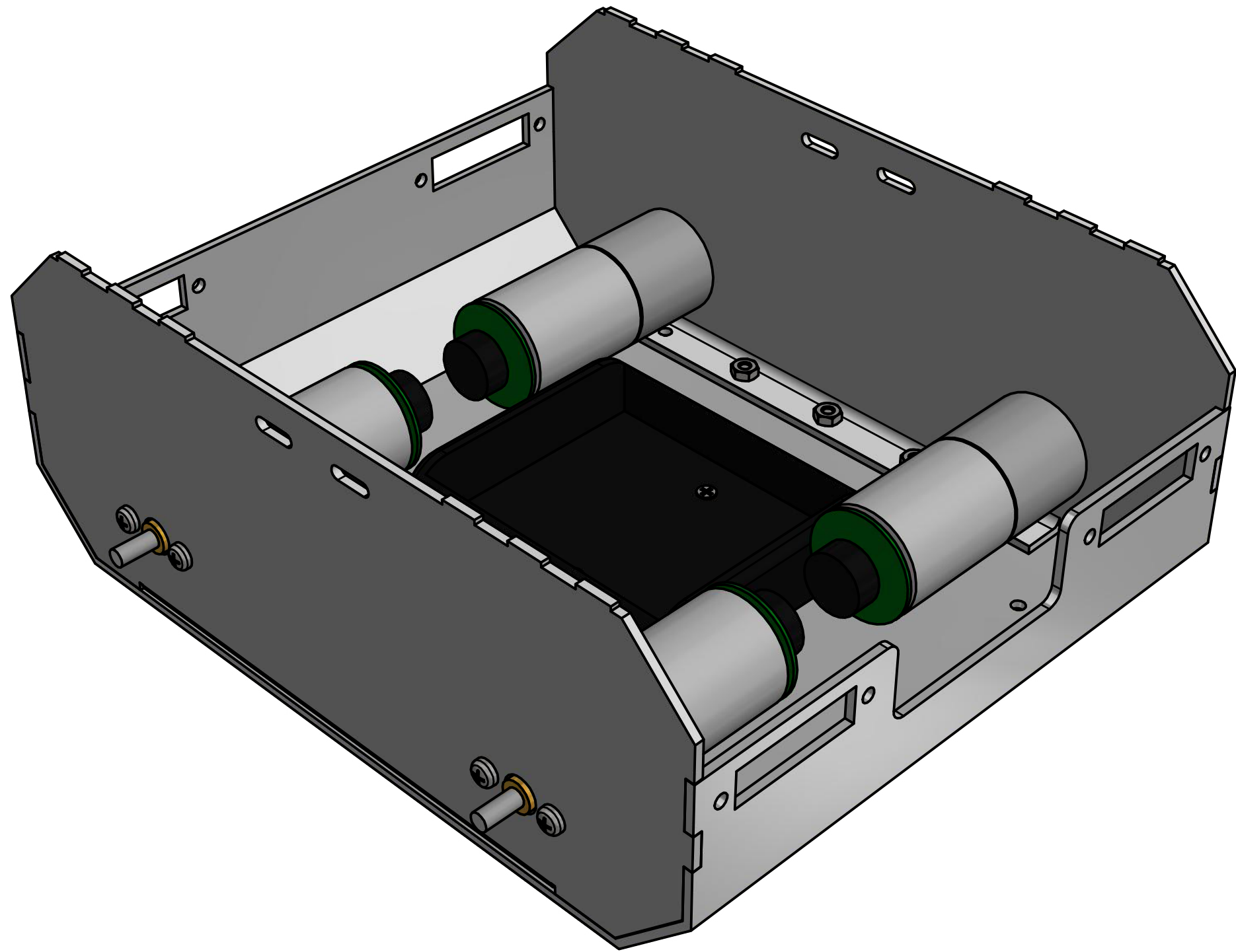


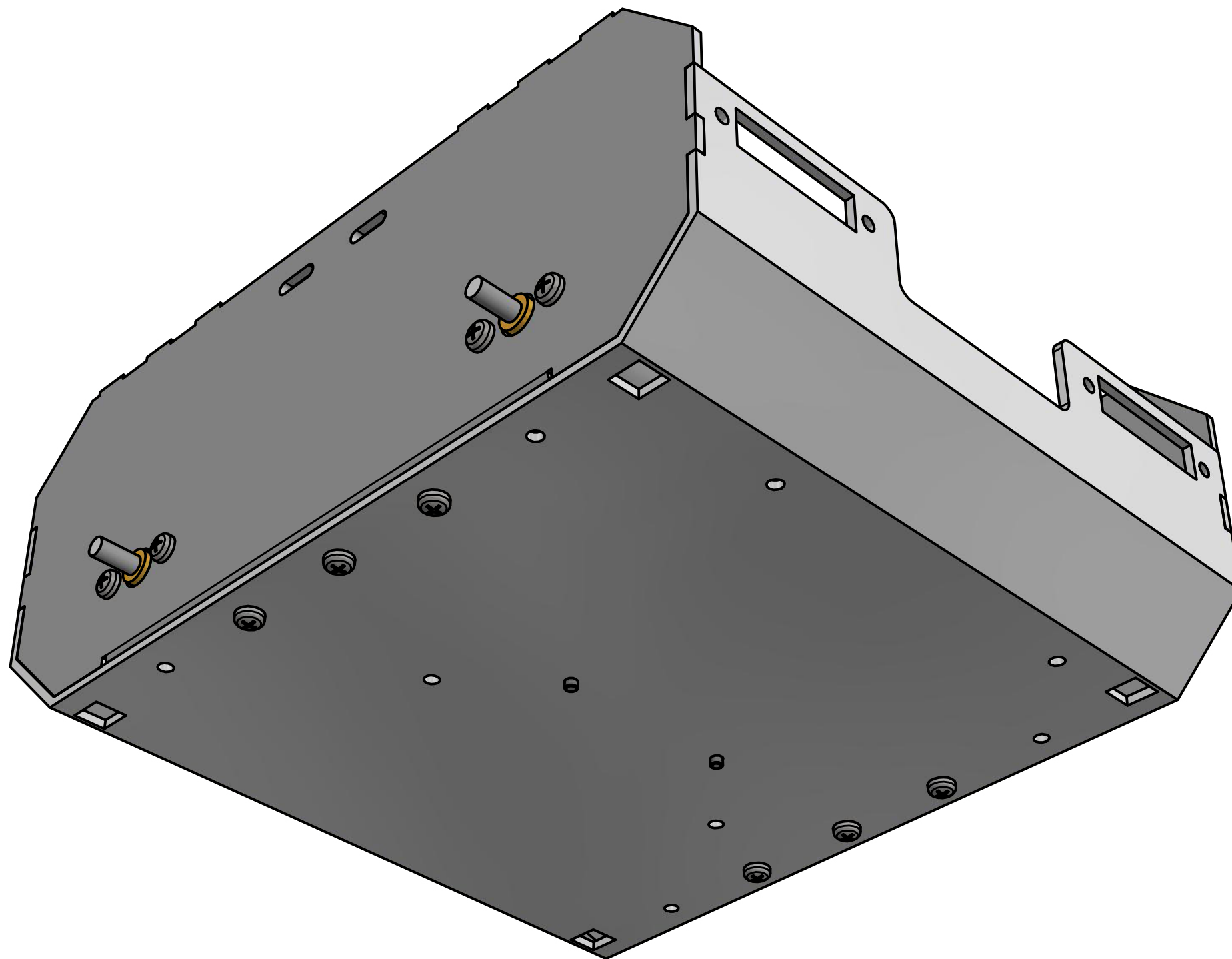


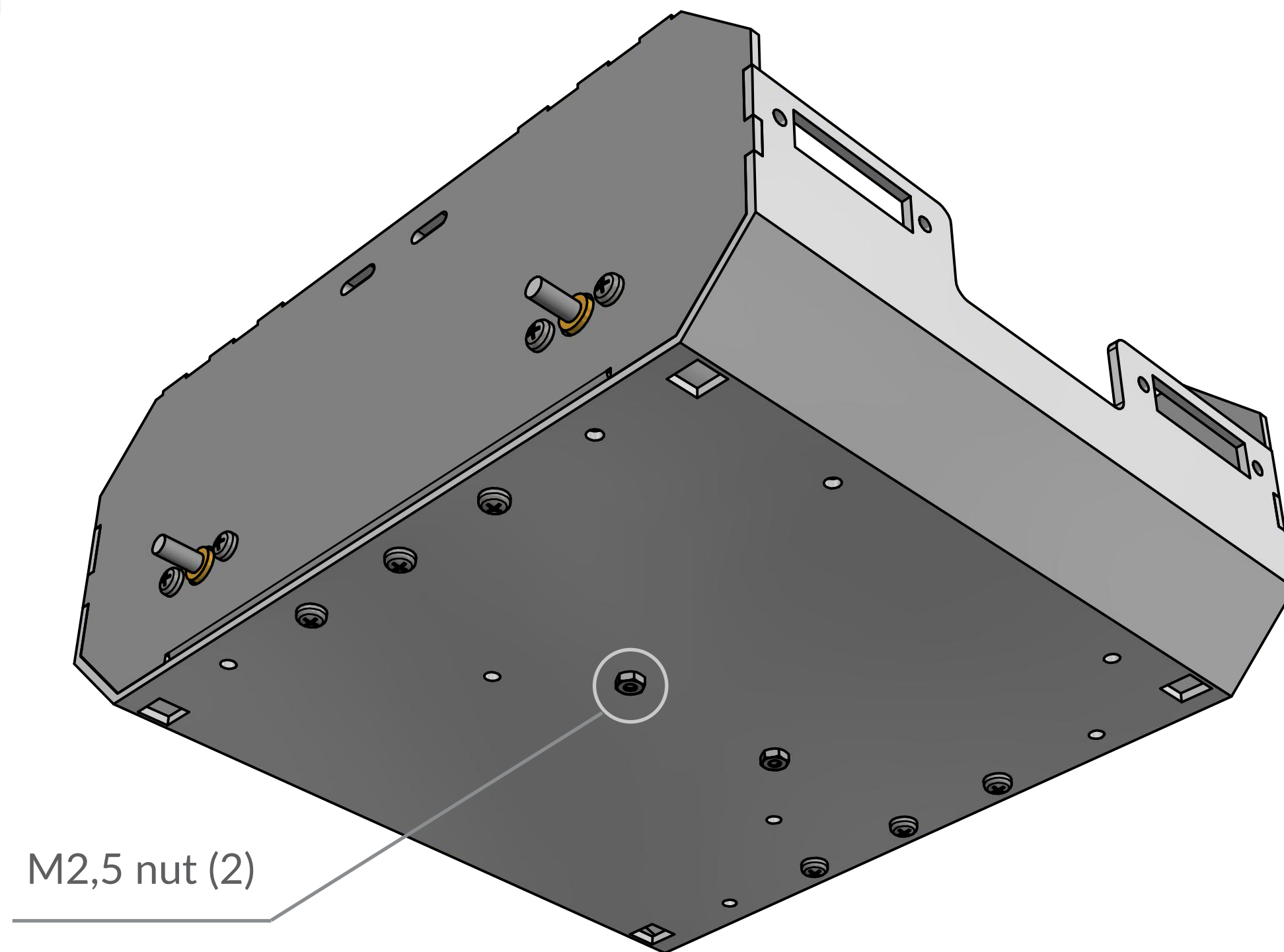
3x18650
battery holder (1)



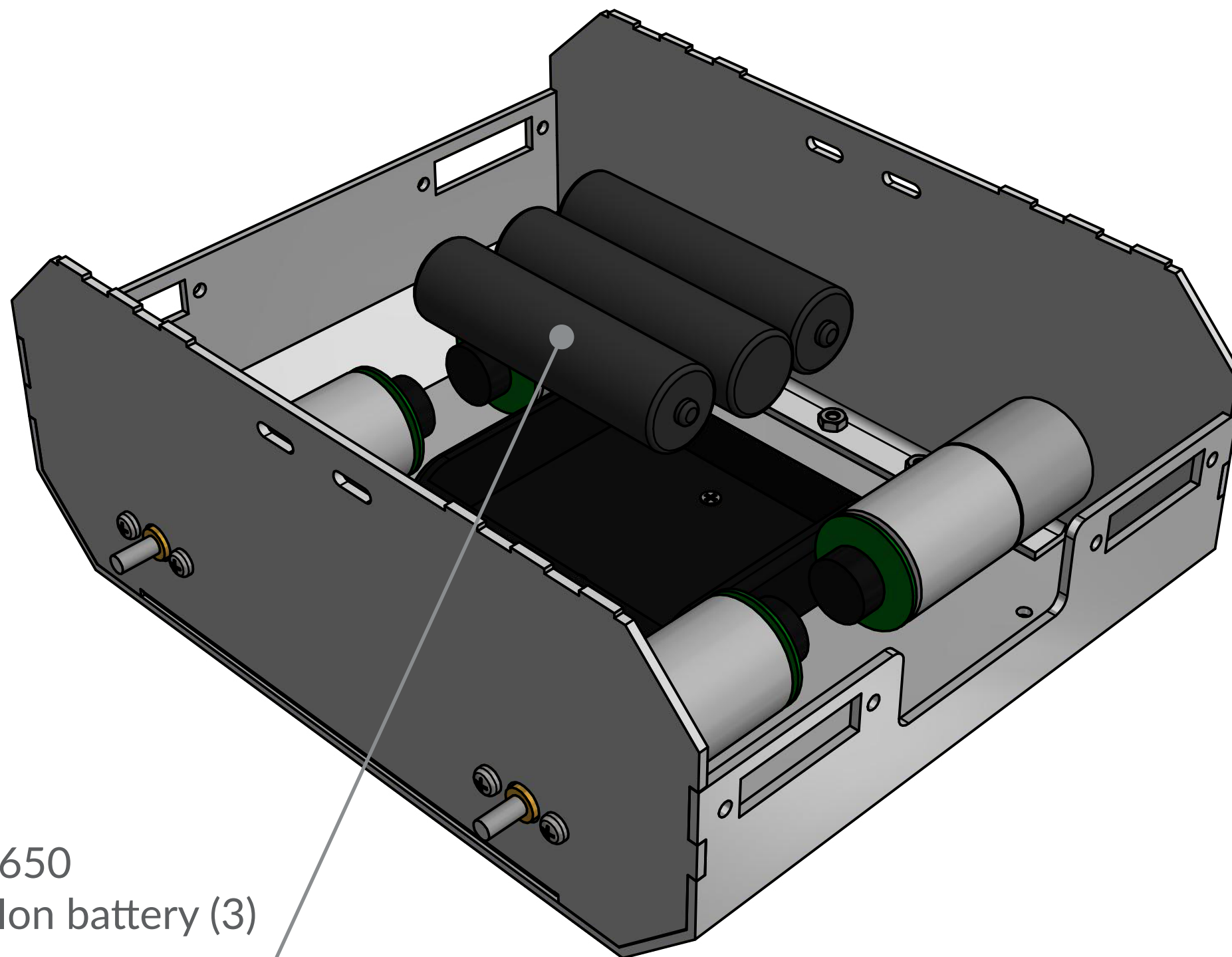
M2,5x6 screw (2)



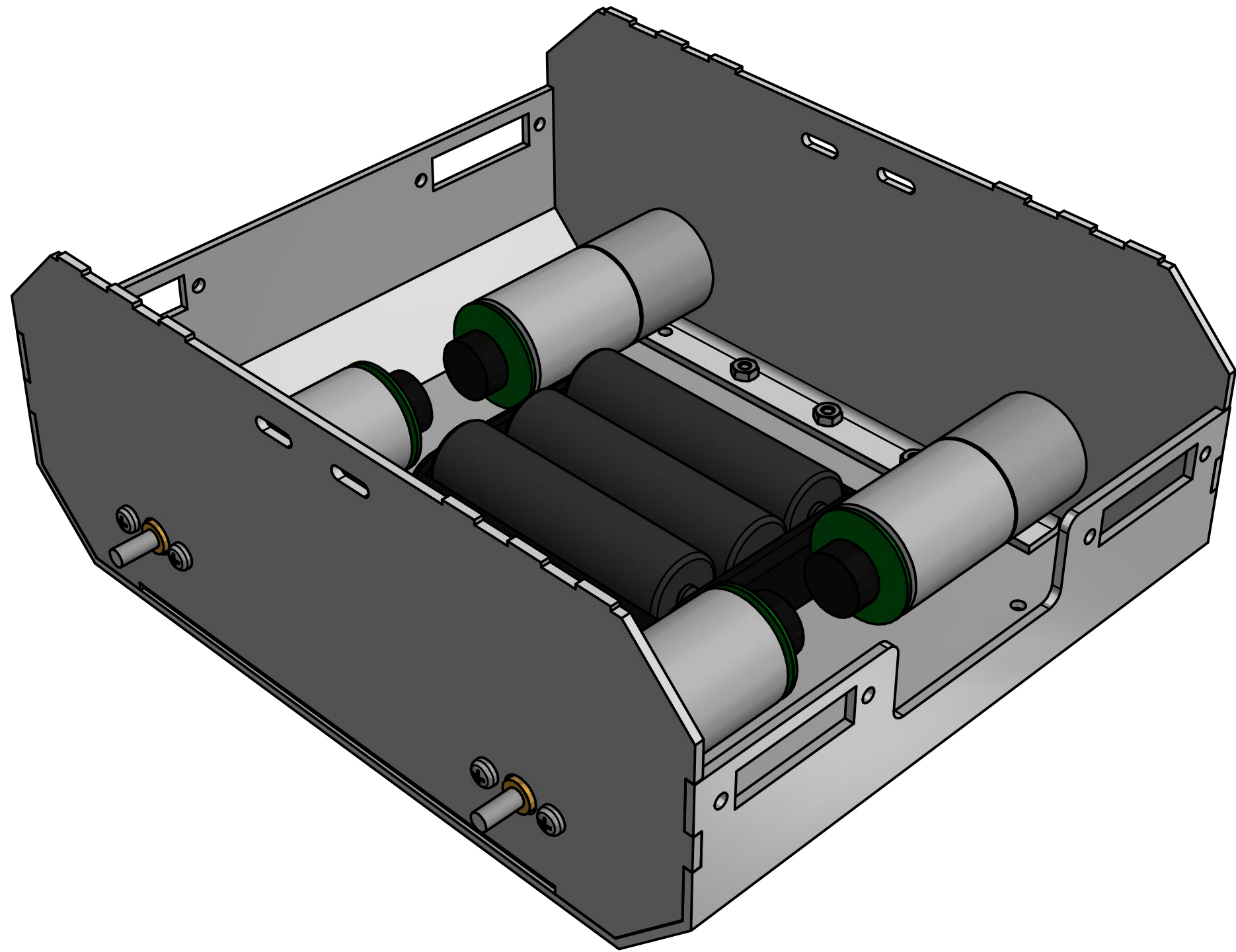


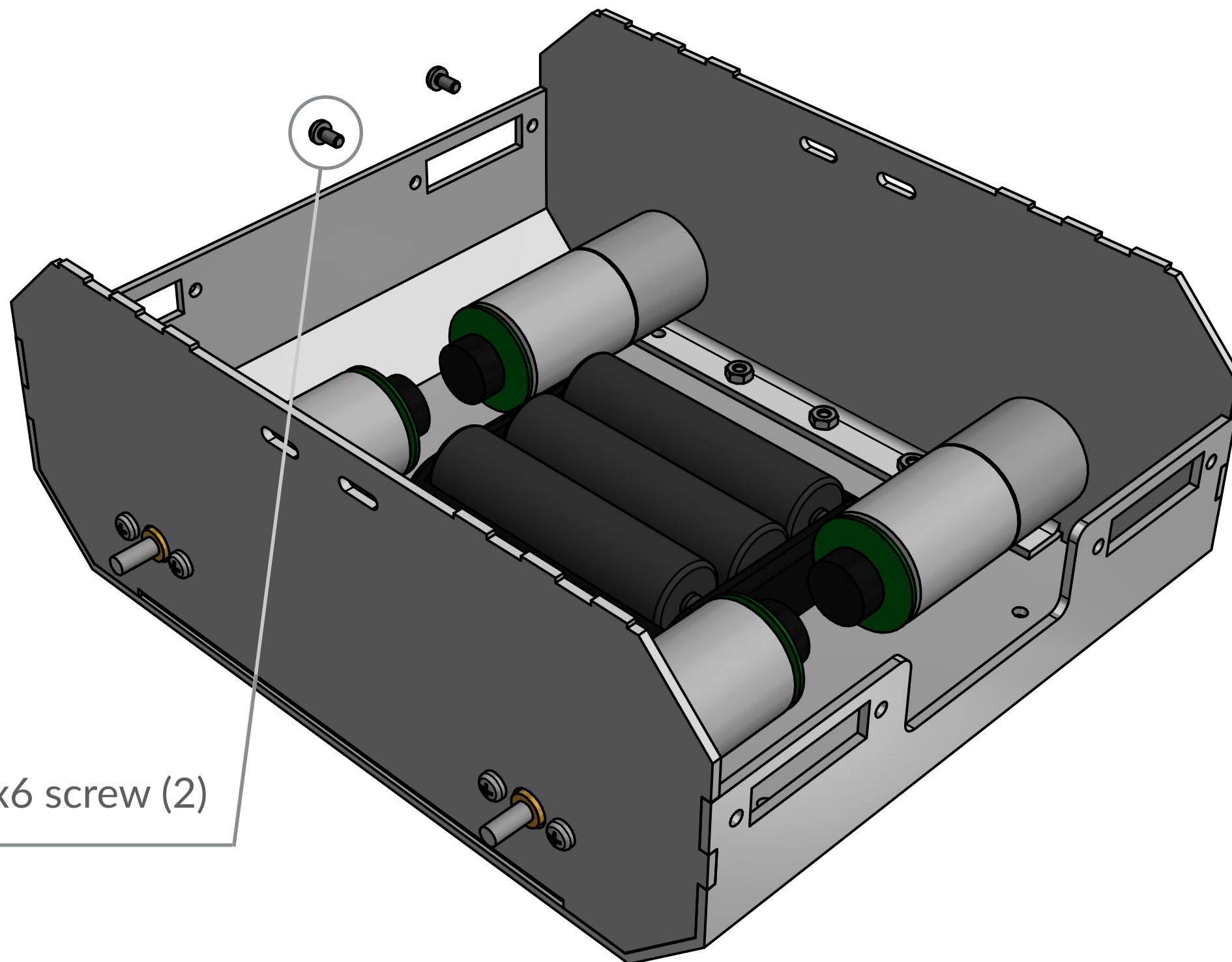


M2,5 nut (2)

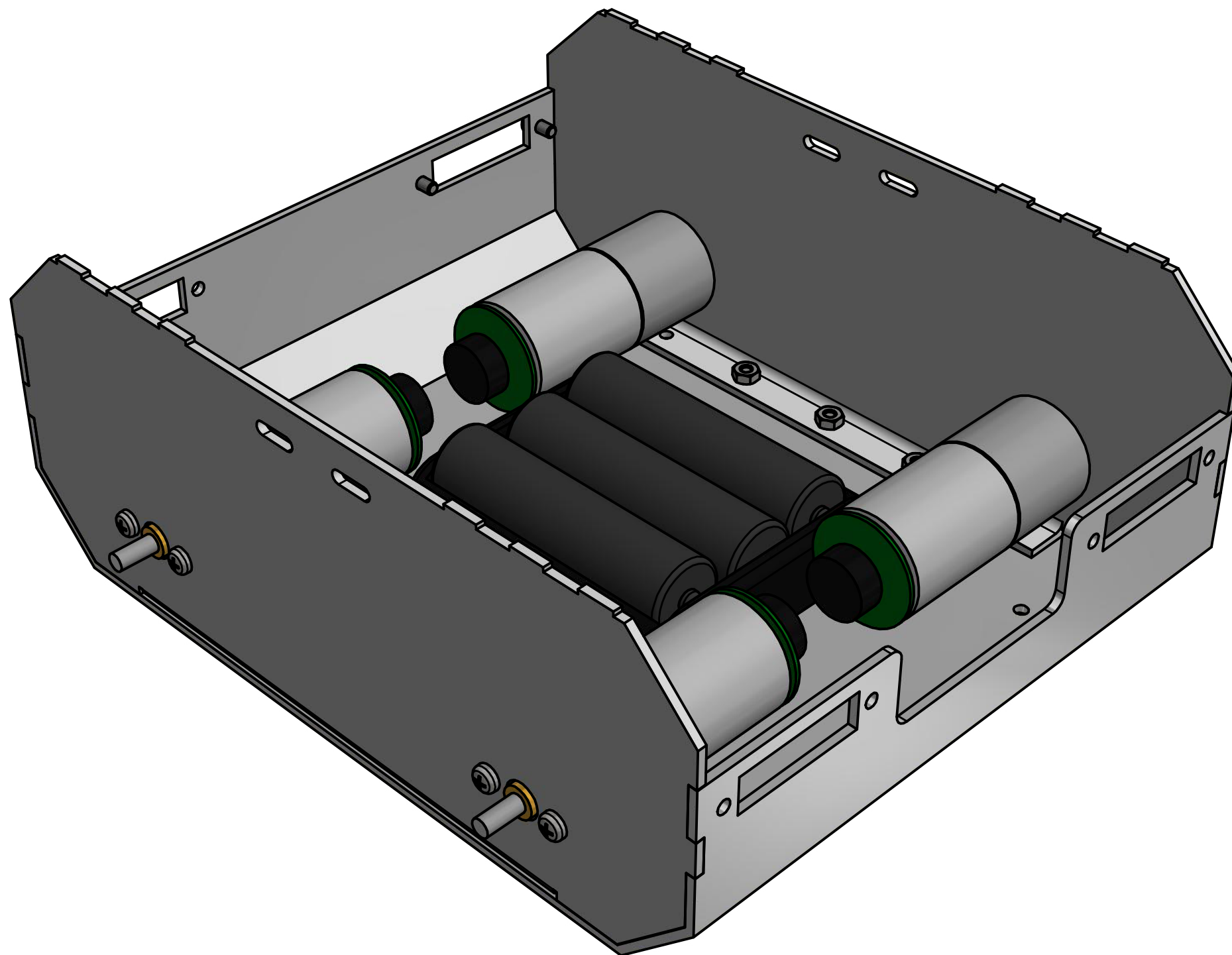


18650
Li-Ion battery (3)



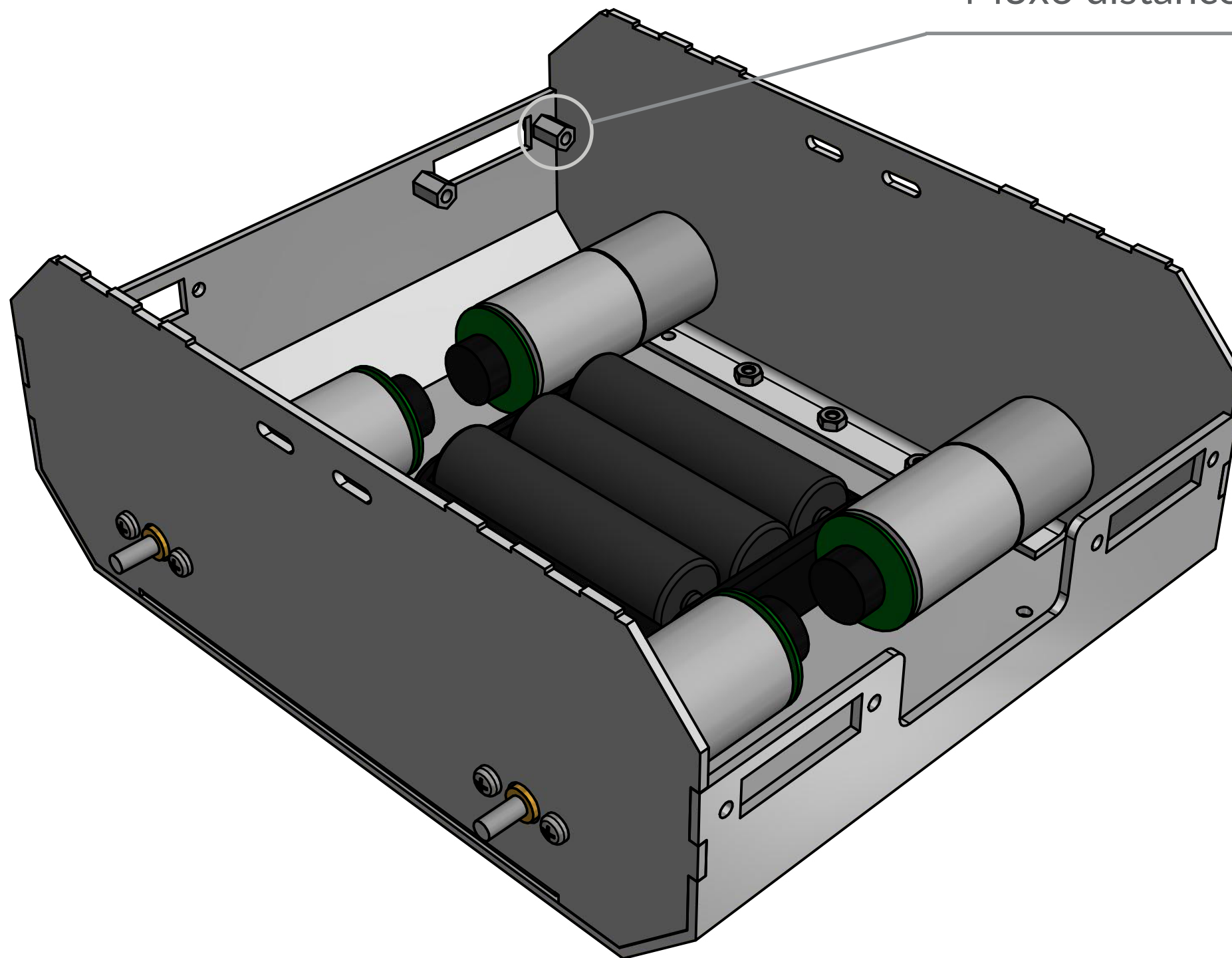


M3x6 screw (2)



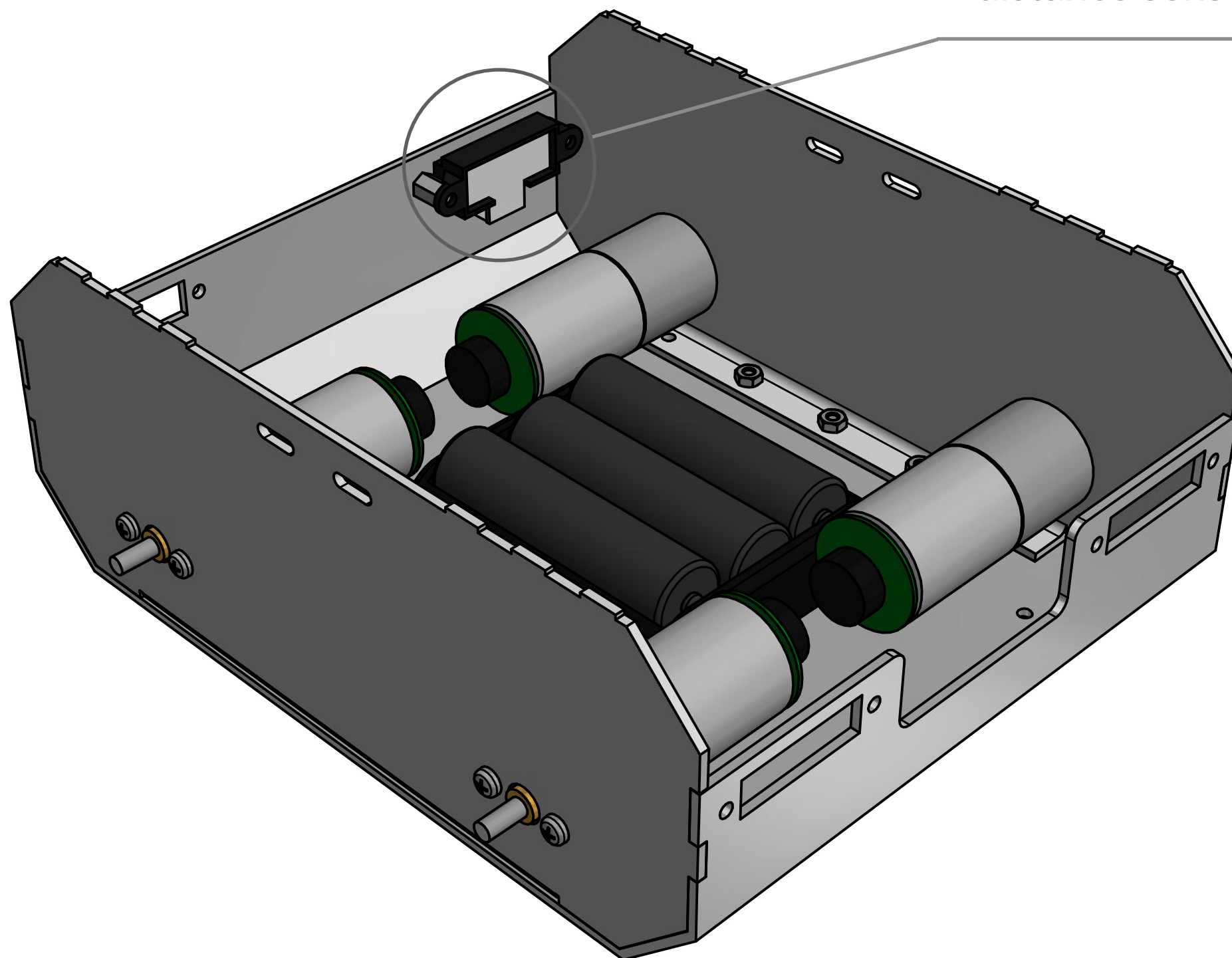


M3x6 distance nut (2)



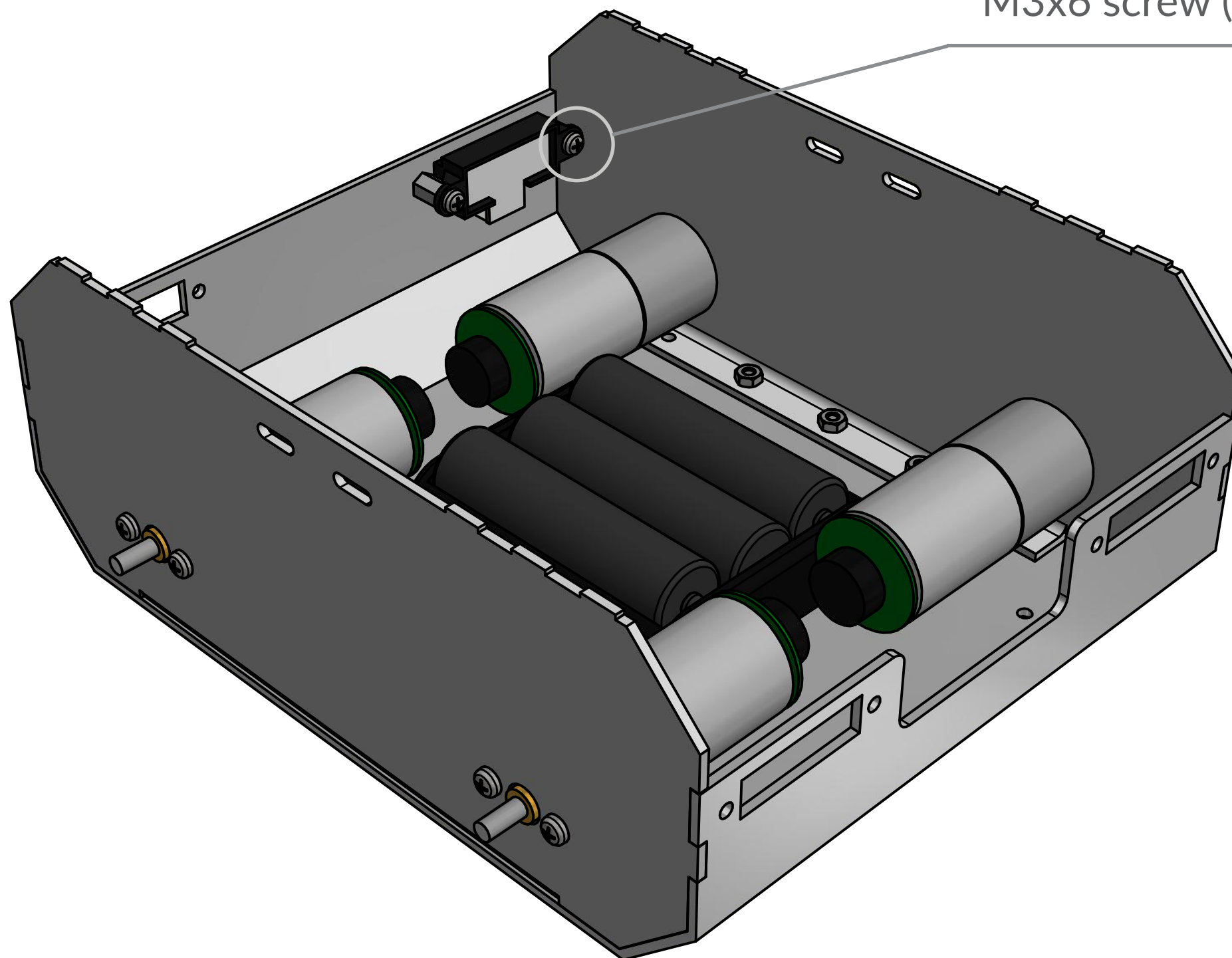


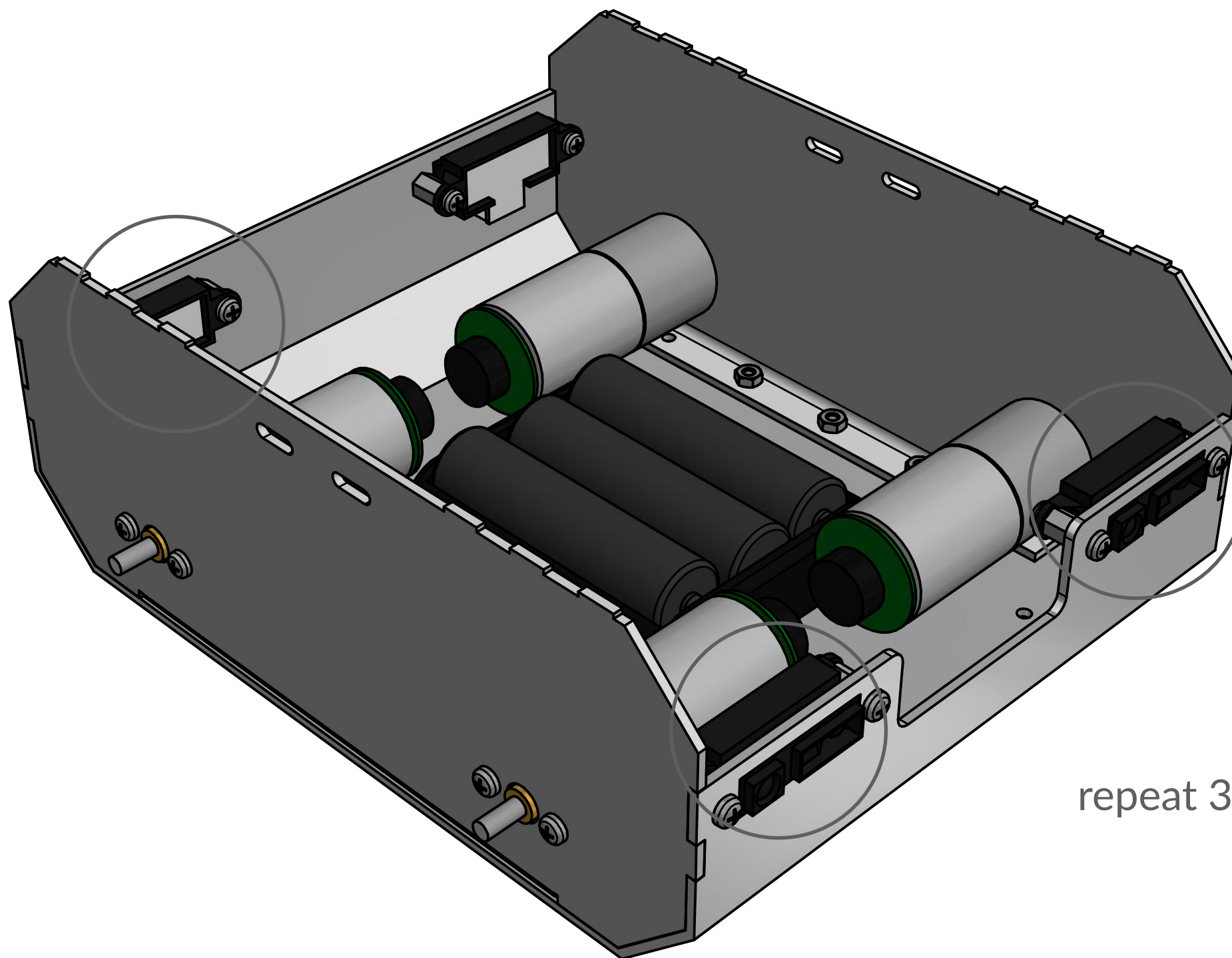
SHARP
distance sensor (1)



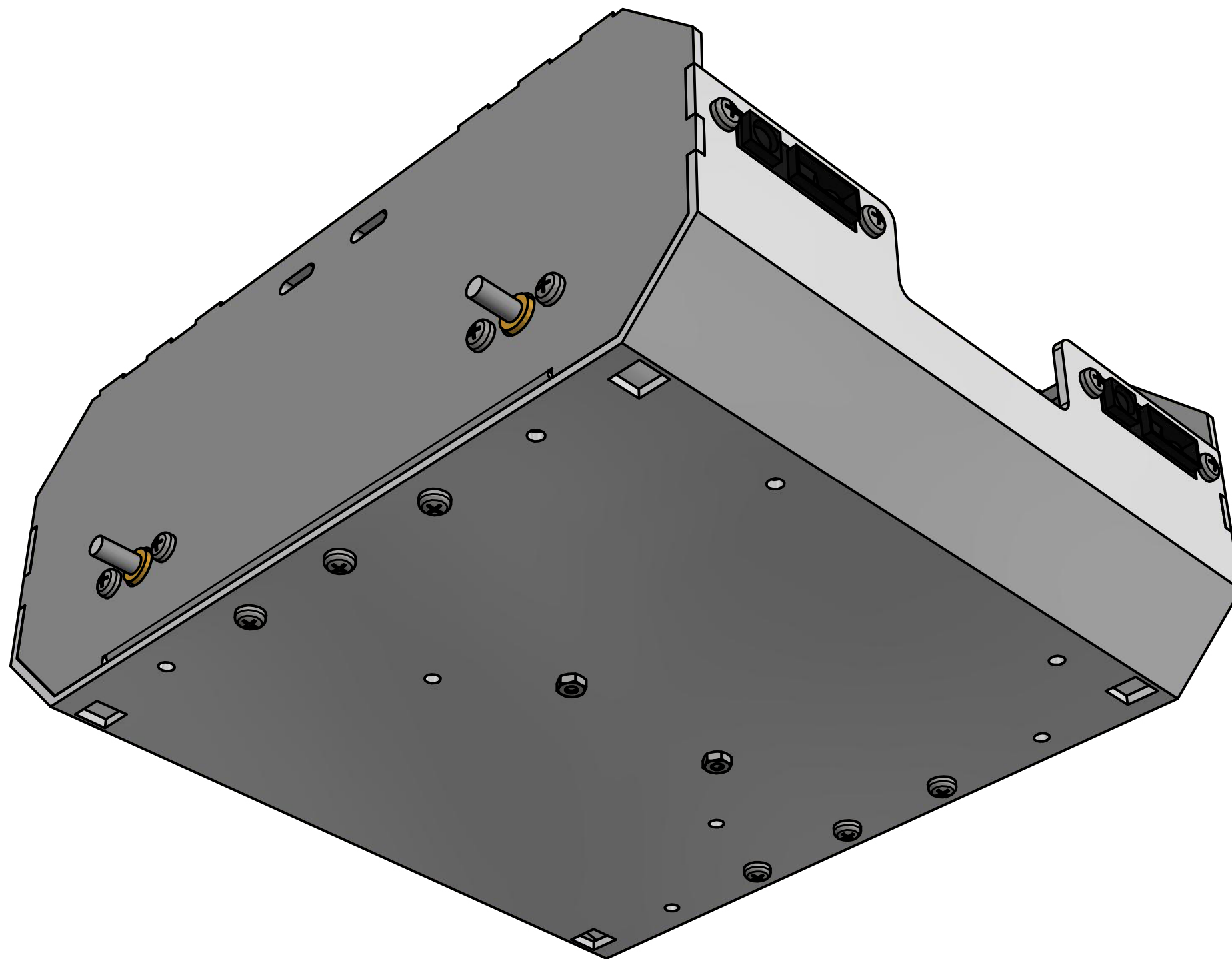


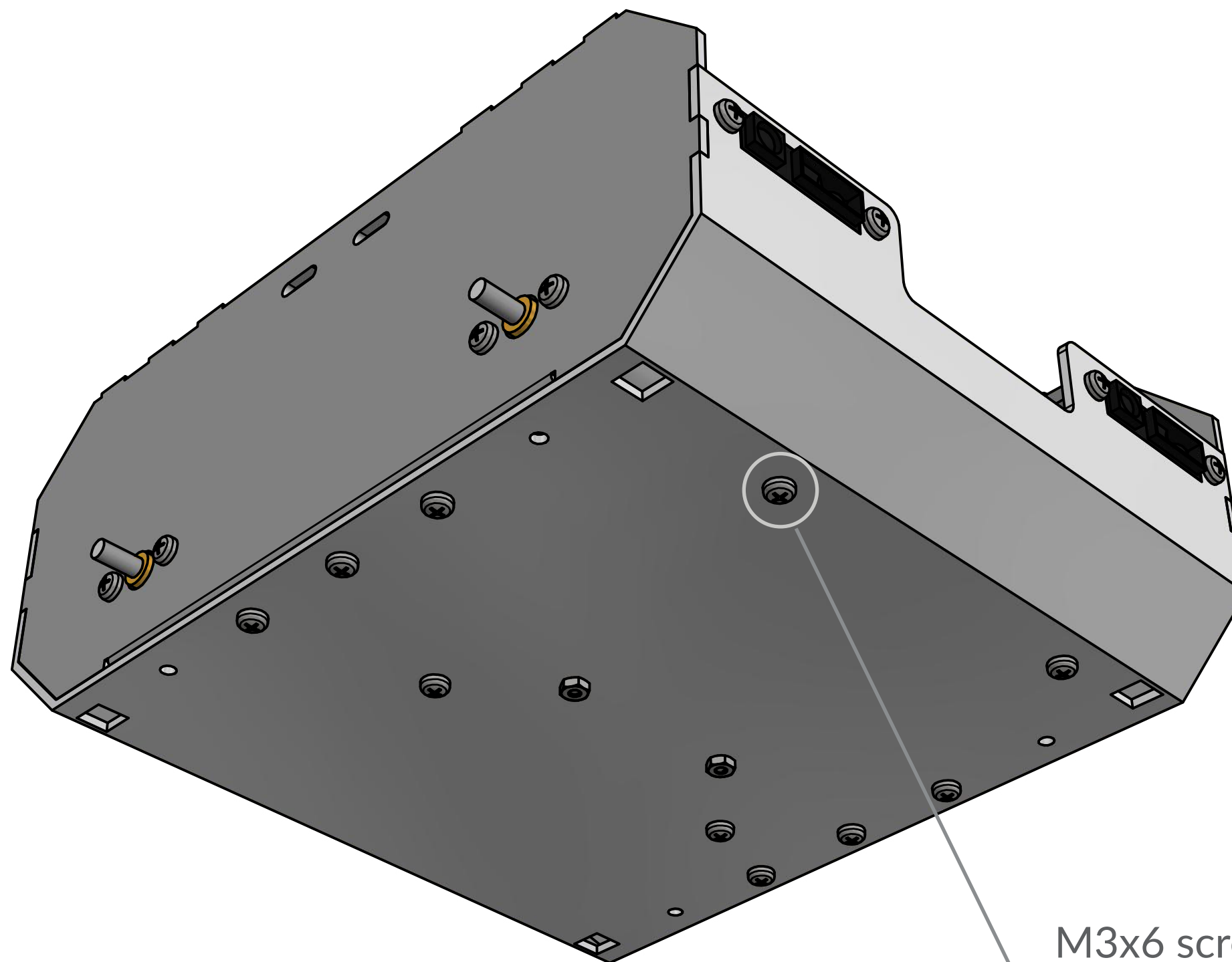
M3x6 screw (2)



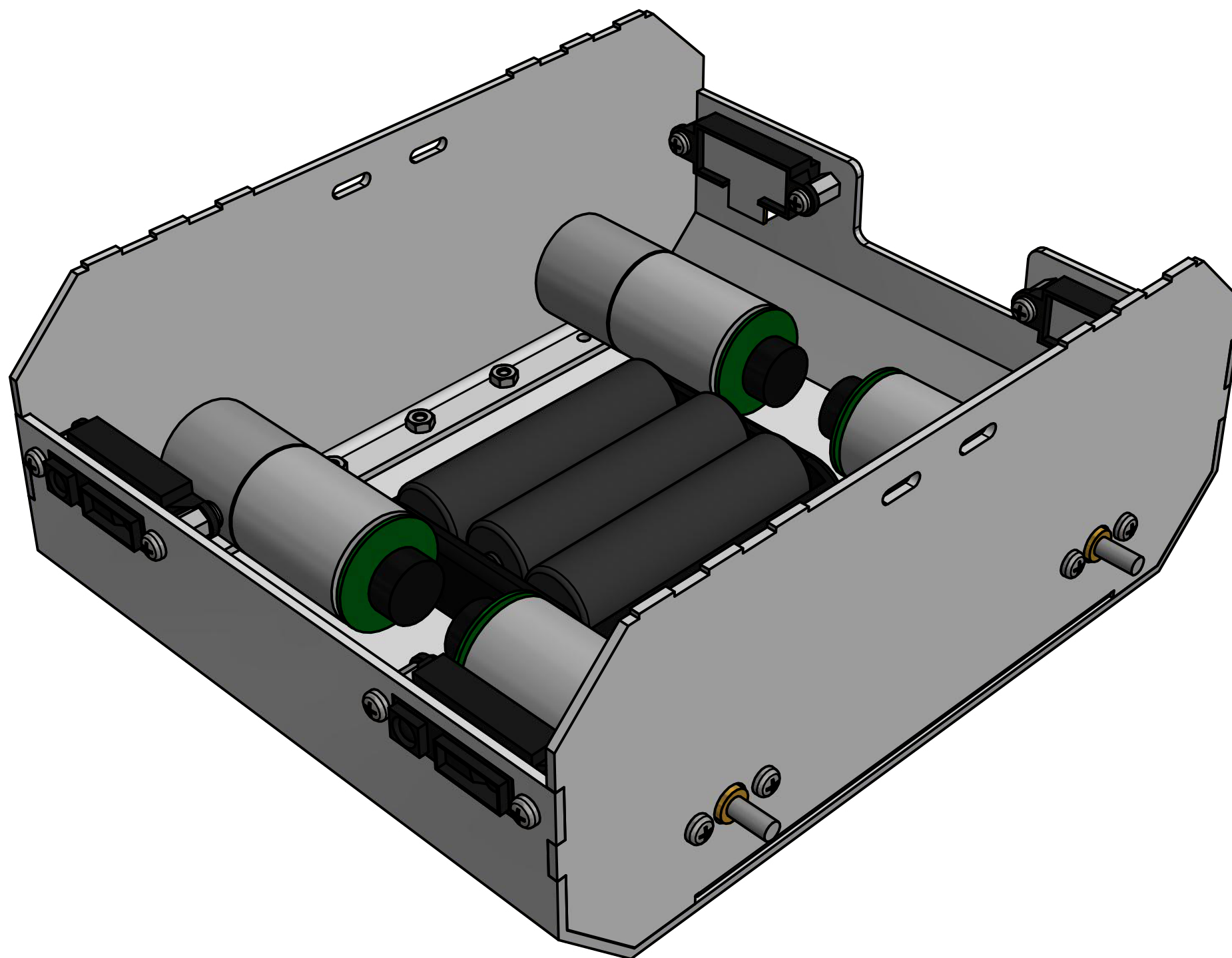


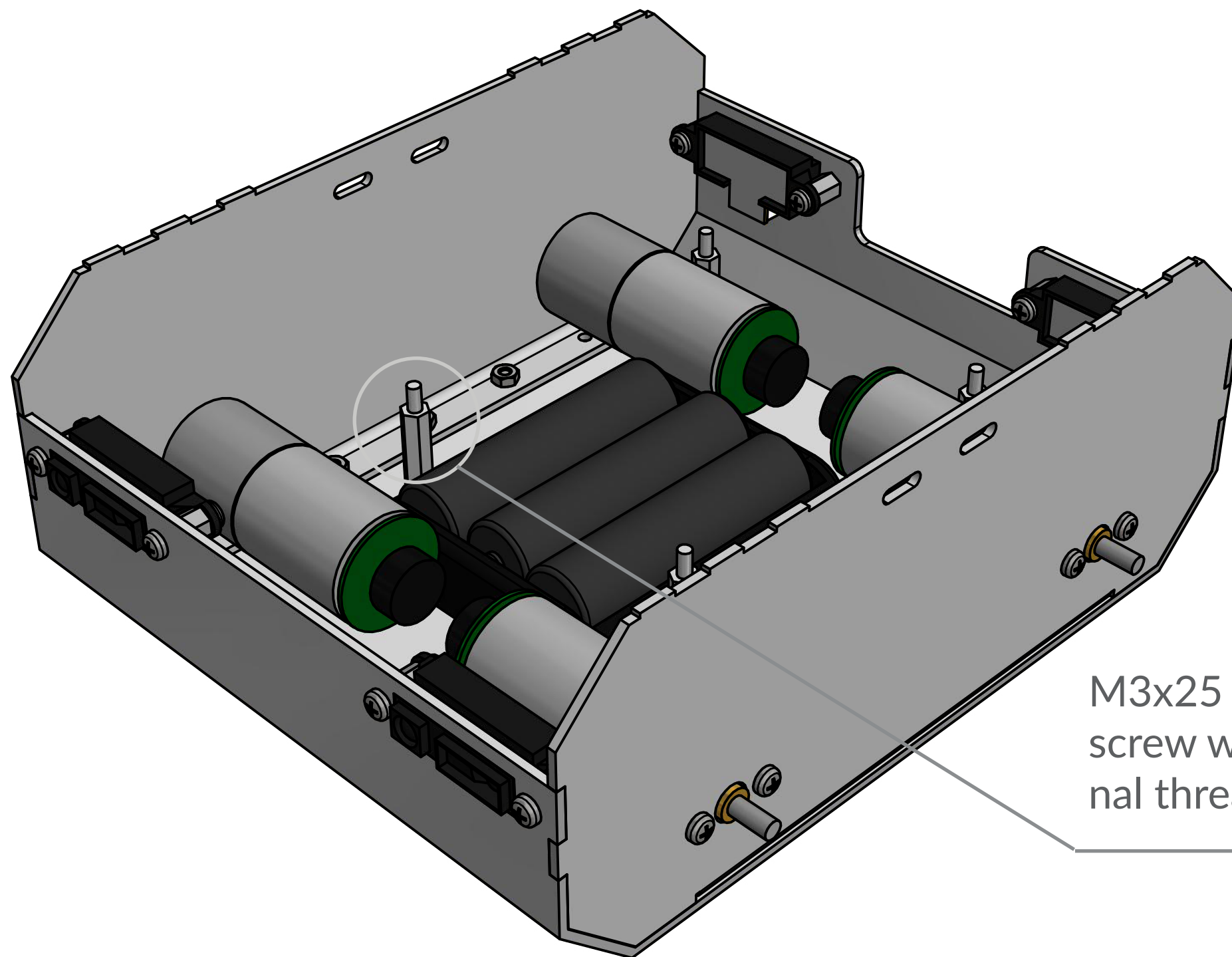
repeat 3 times



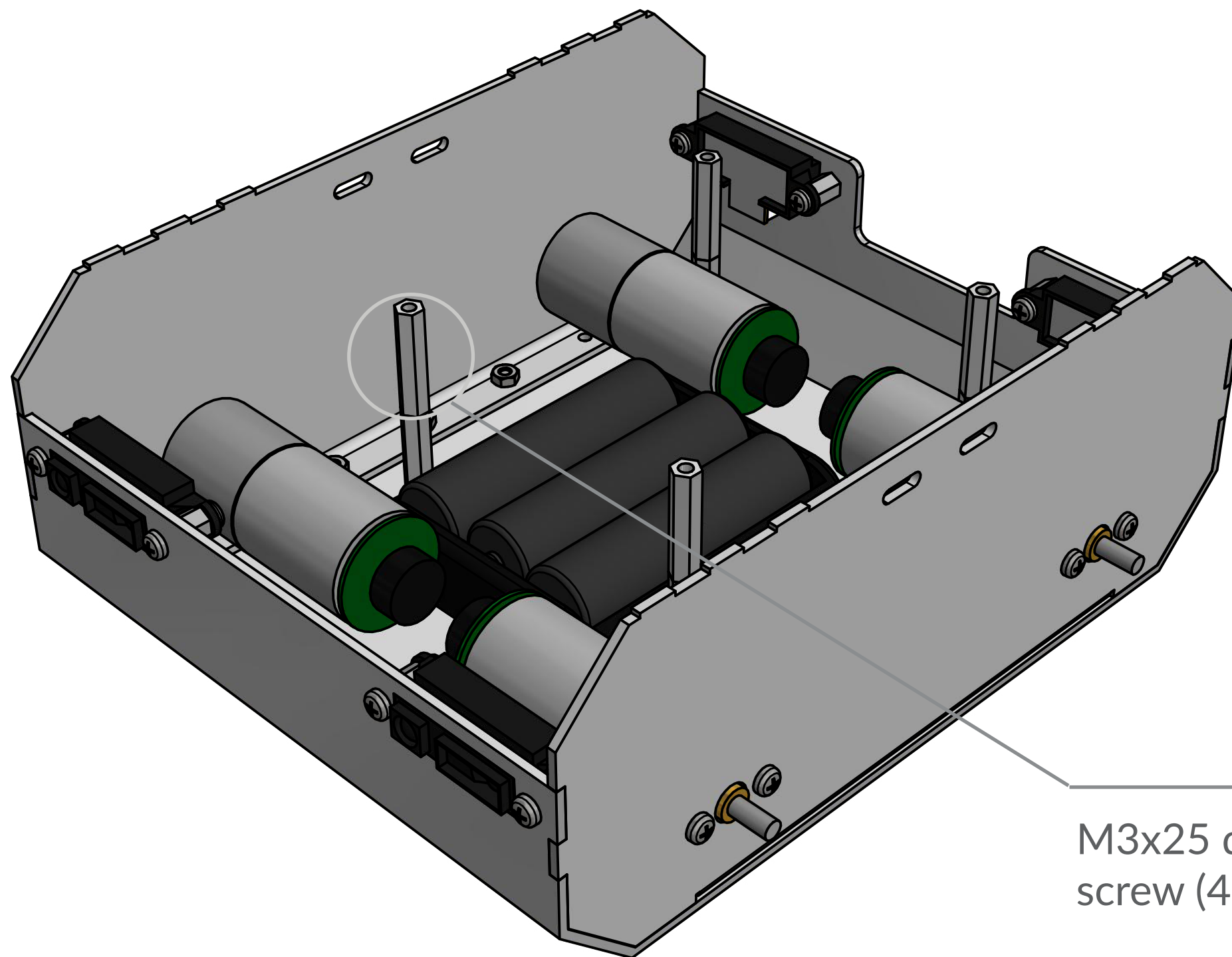


M3x6 screw (4)

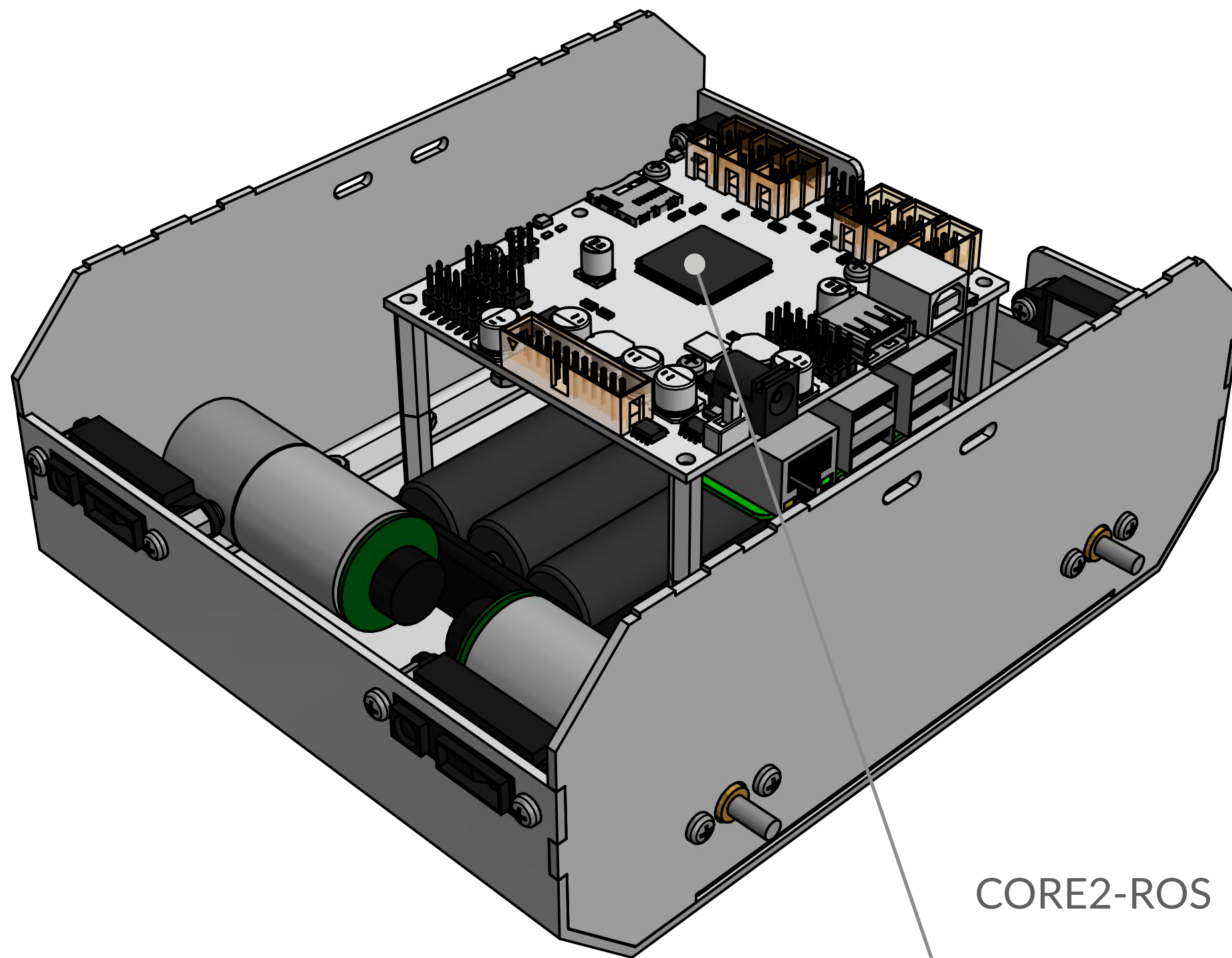




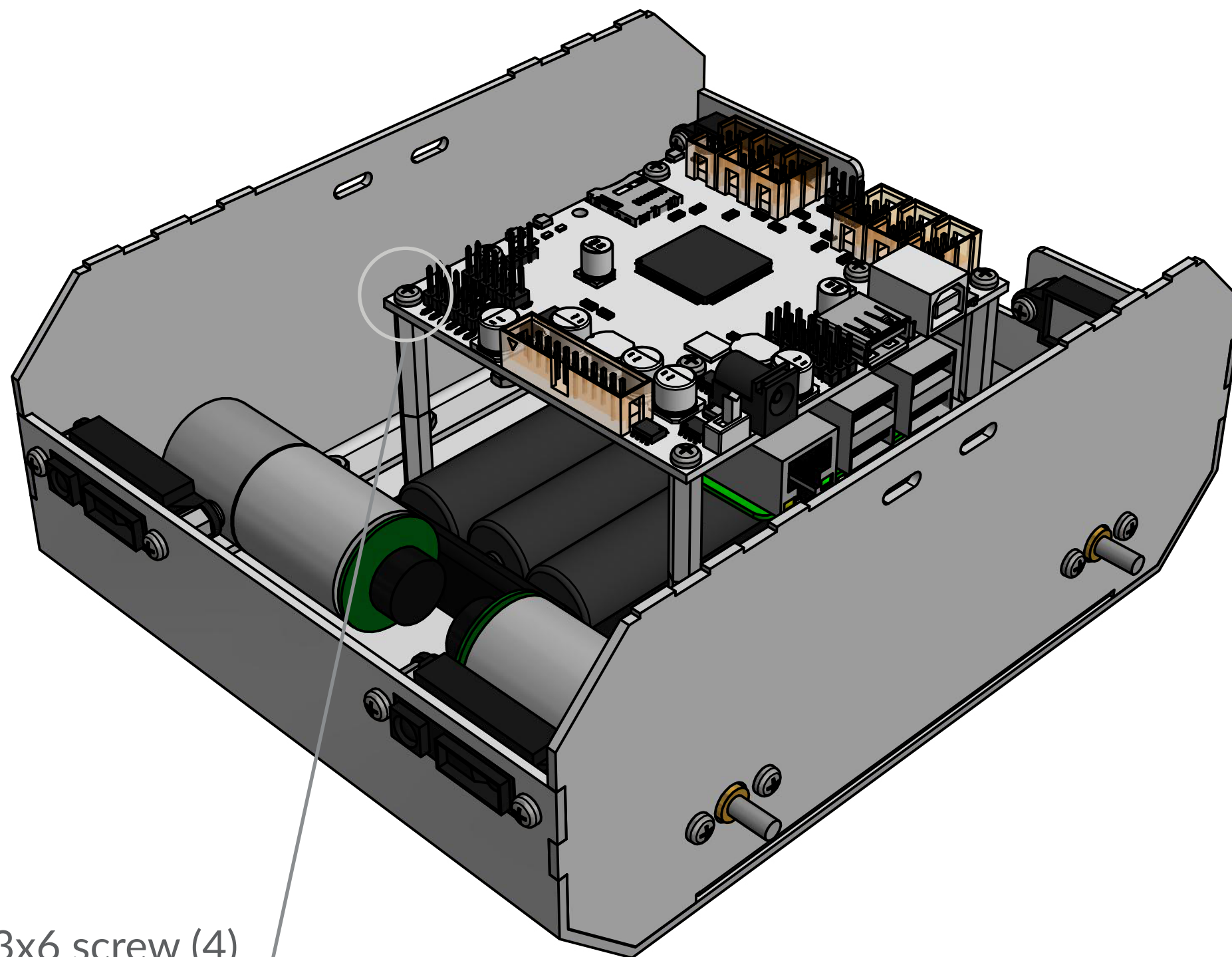
M3x25 distance
screw with exter-
nal thread (4)



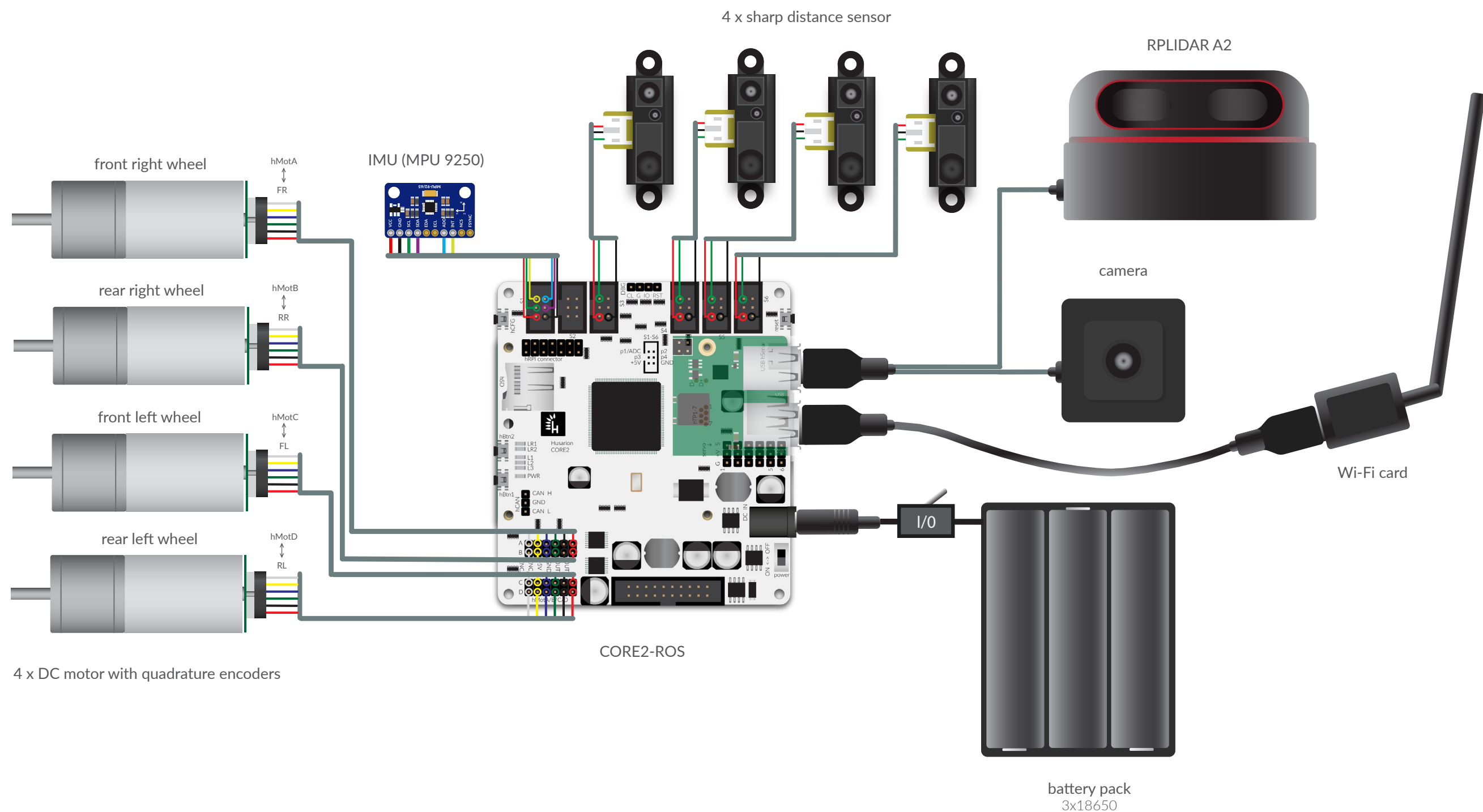
M3x25 distance
screw (4)



CORE2-ROS



M3x6 screw (4)



4 x sharp distance sensor

RPLIDAR A2

camera

Wi-Fi card

I/O

battery pack
3x18650

CORE2-ROS

4 x DC motor with quadrature encoders

IMU (MPU 9250)

front right wheel

hMotA
↕
FR

rear right wheel

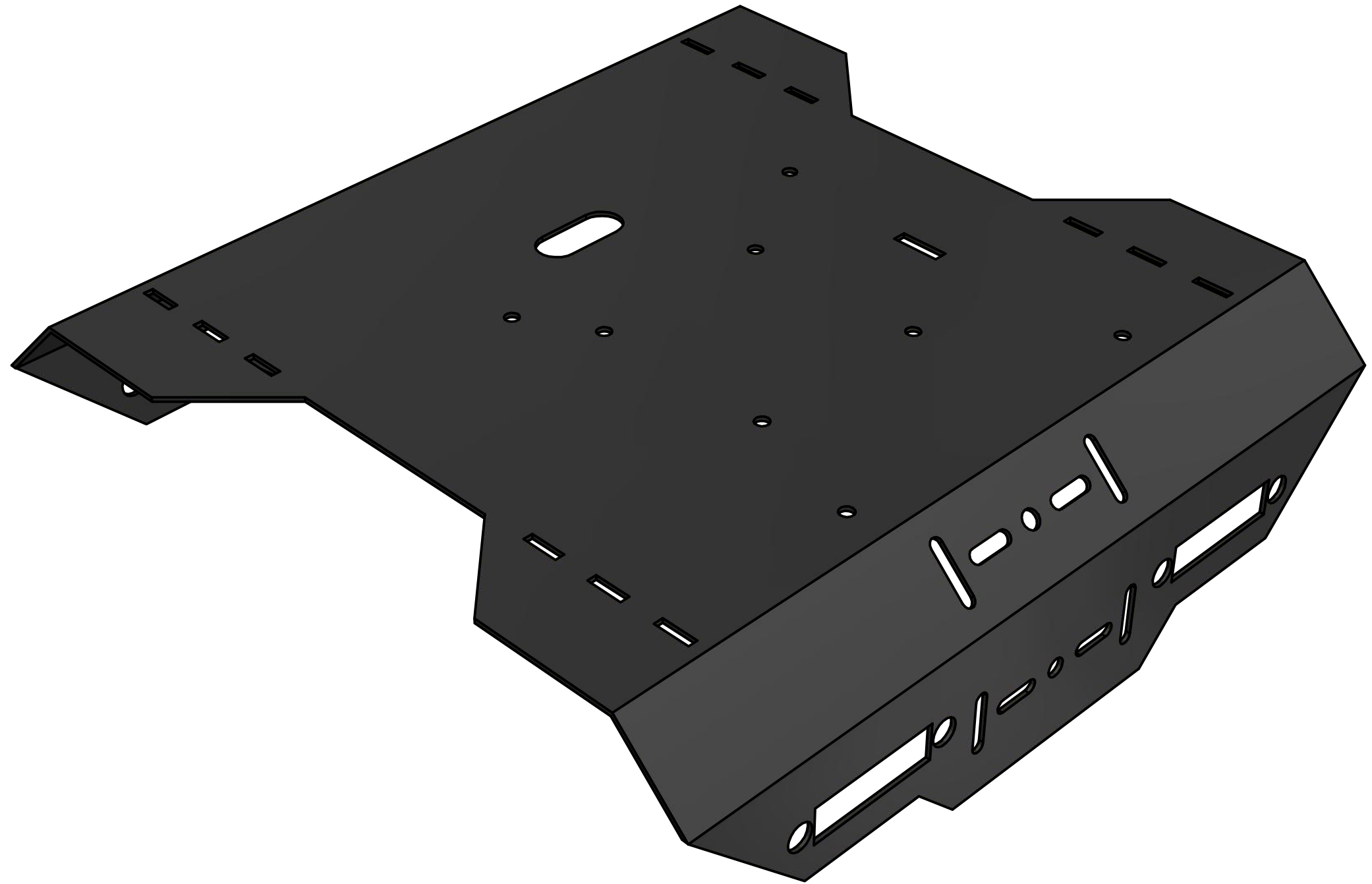
hMotB
↕
RR

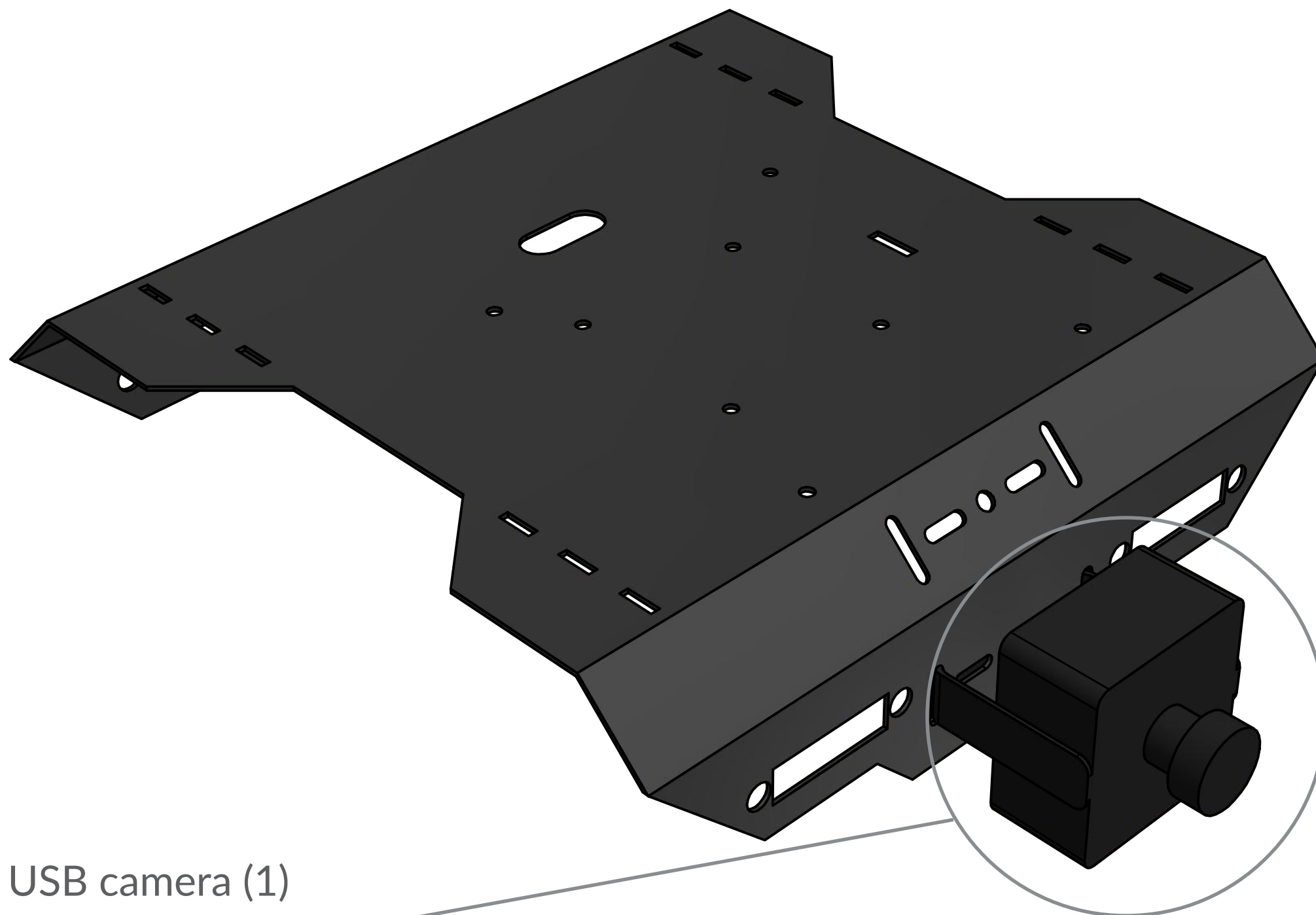
front left wheel

hMotC
↕
FL

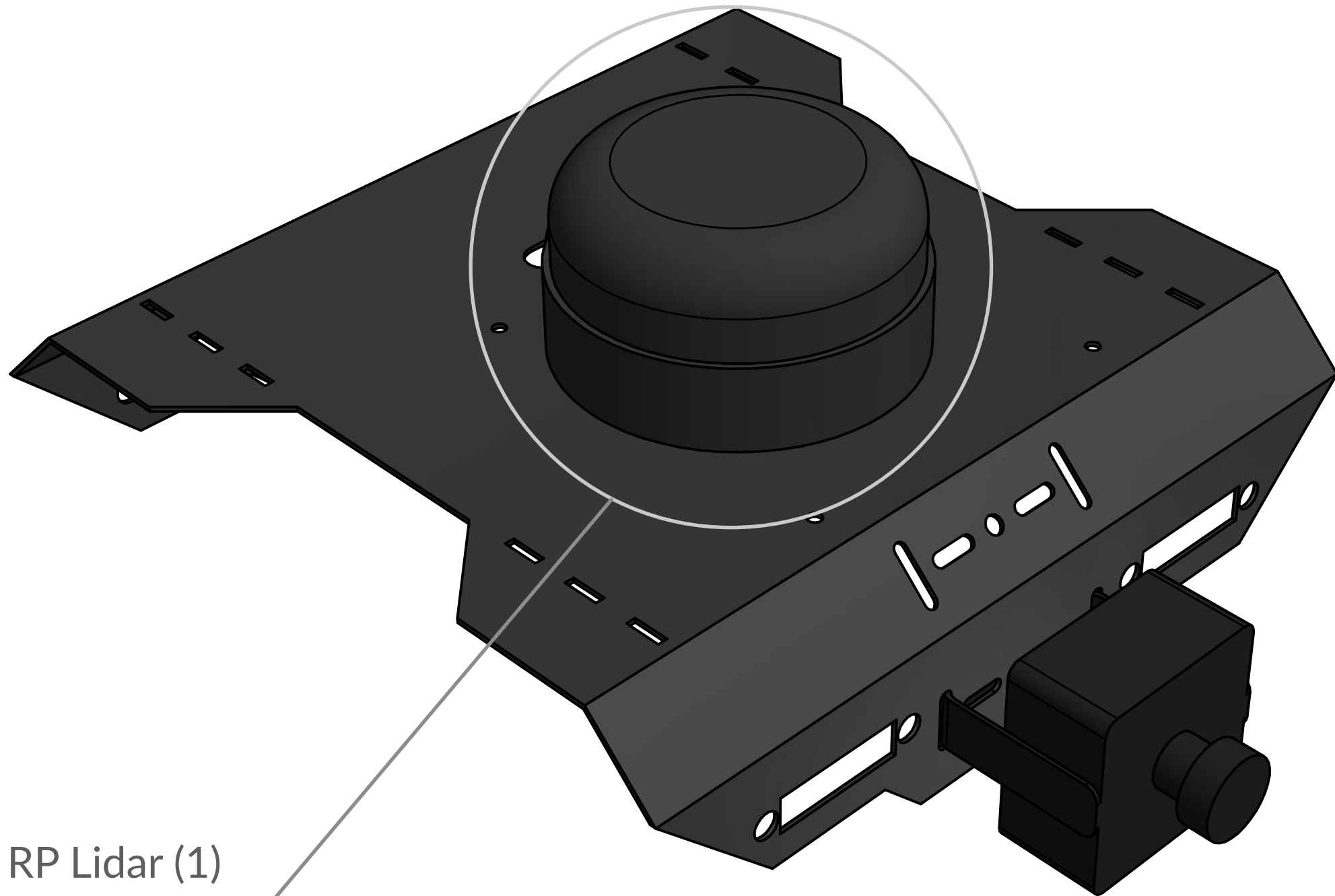
rear left wheel

hMotD
↕
RL

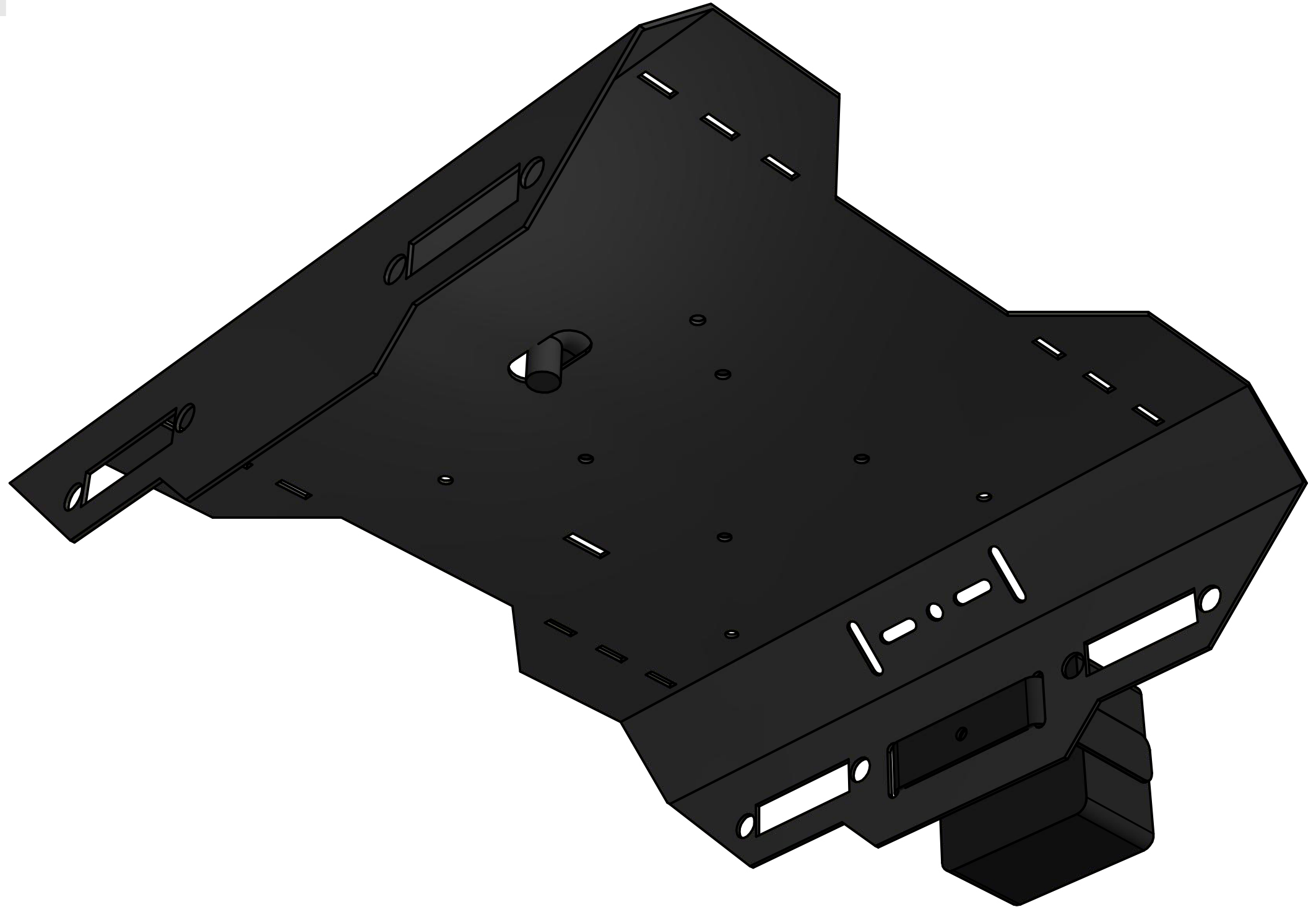


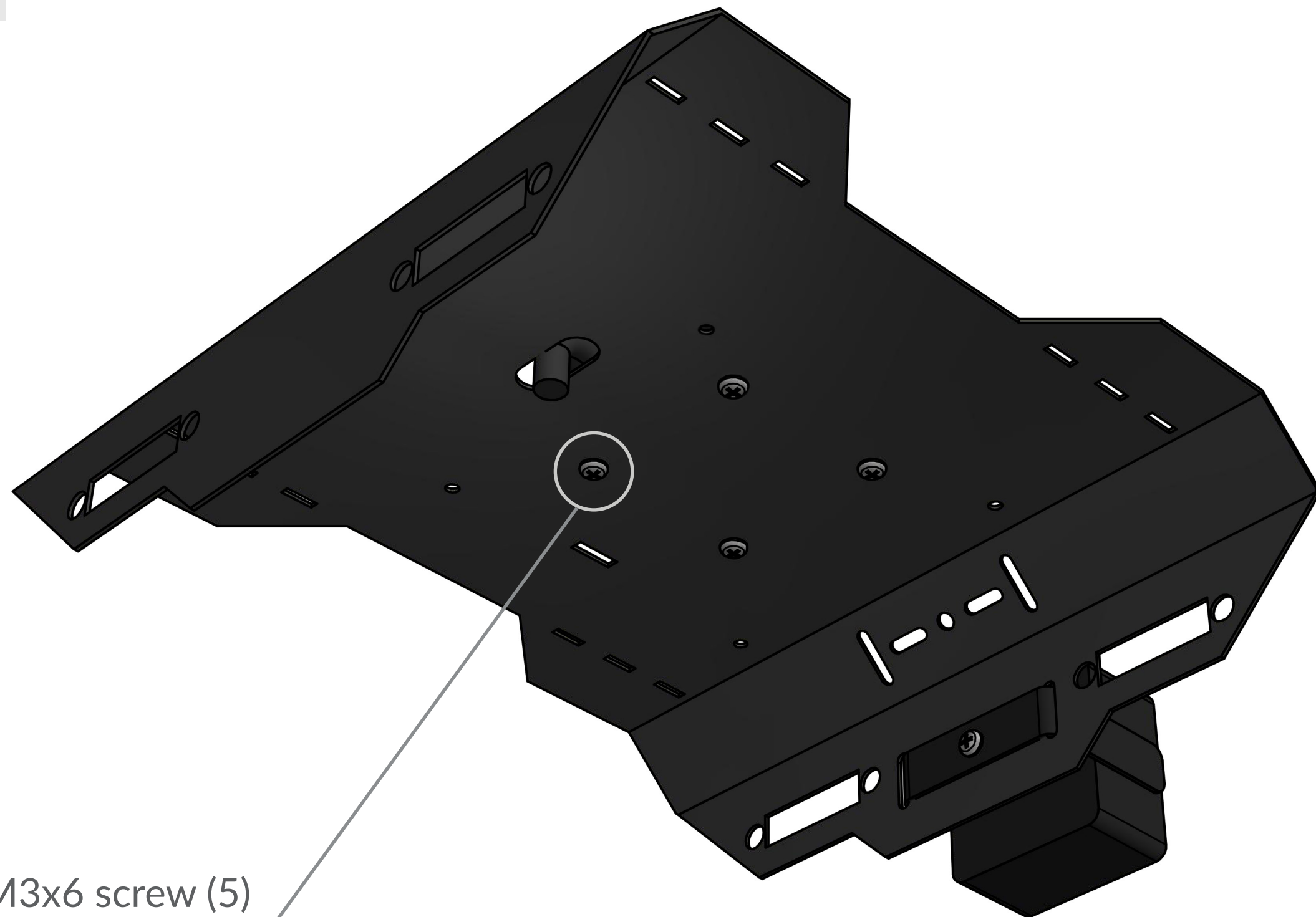


USB camera (1)



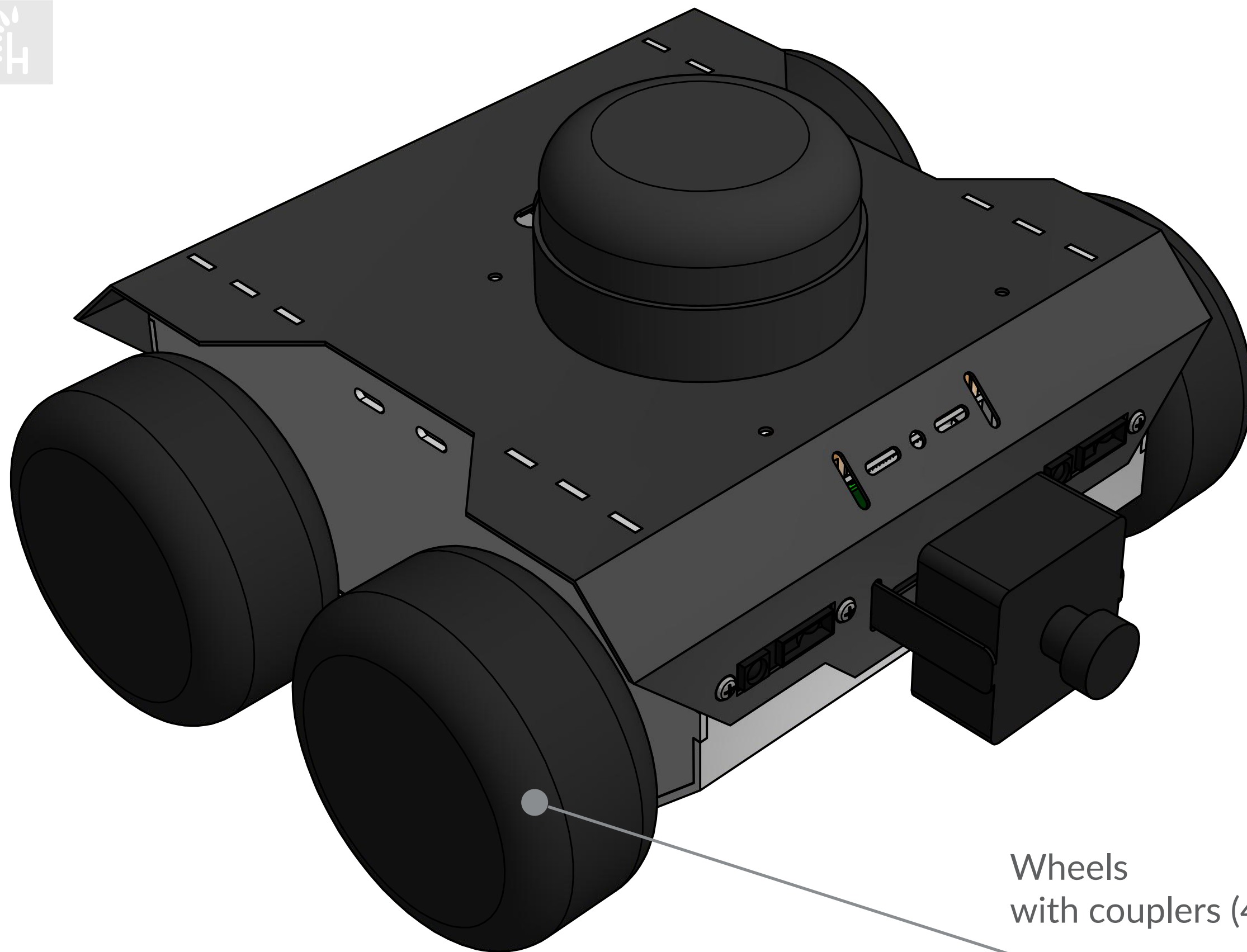
RP Lidar (1)





M3x6 screw (5)





Wheels
with couplers (4)