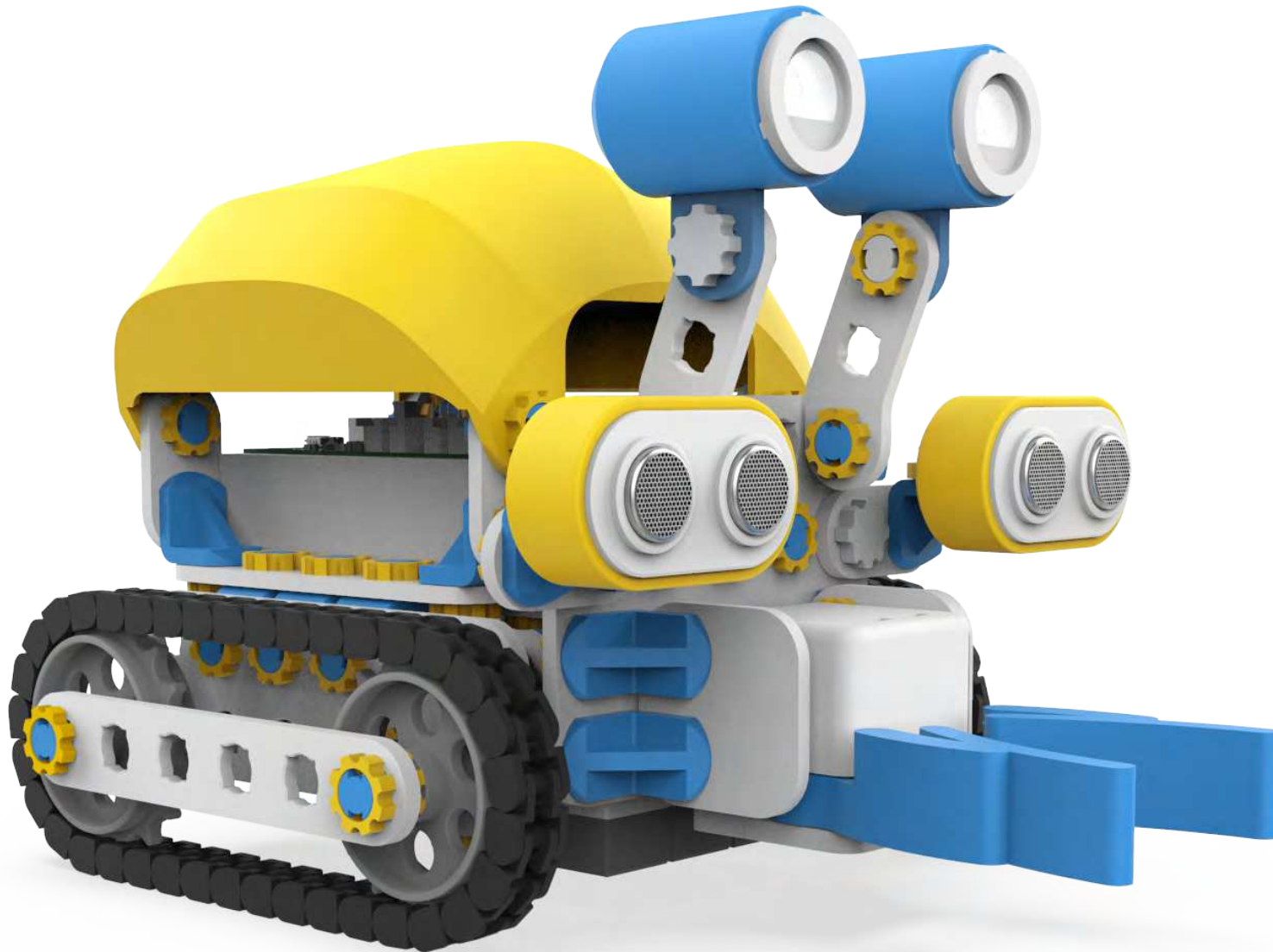


SKRIBOT


ASSEMBLY MANUAL

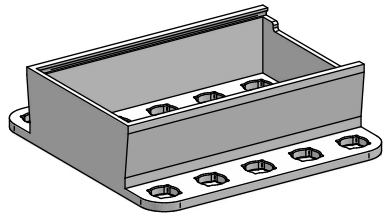


HELLO, I'M SKRIBOT

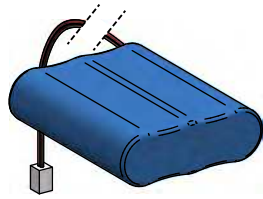


Partslist

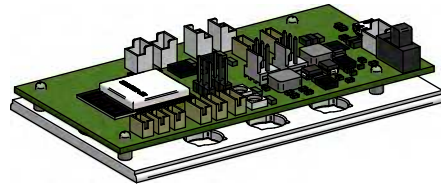
Before assembling your Skribot, make sure you have all of the parts ready 



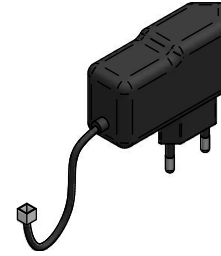
1x Battery pack



1x Battery



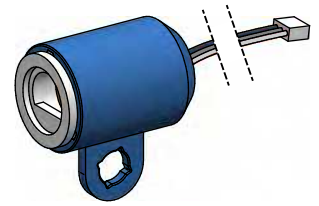
1x Skribrain



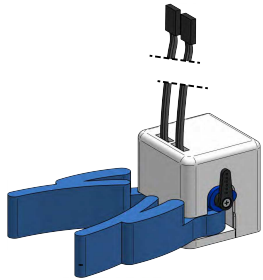
1x Charger



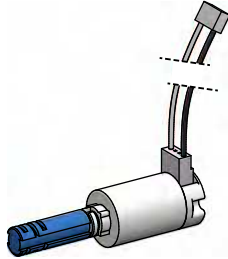
2x Distance sensor



2x LED eye



1x Gripper



2x Motor



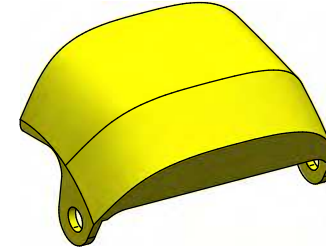
3x Contrast sensor



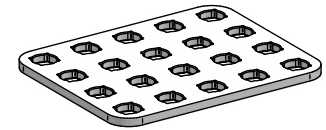
2x Drive wheel



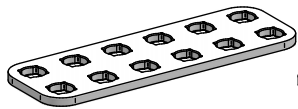
2x Passive wheel



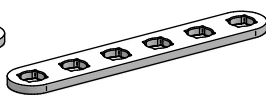
2x Shell



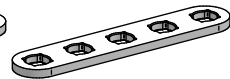
1x 4x5 Plate



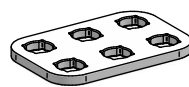
2x 2x6 Plate



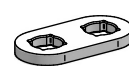
2x 1x6 Plate



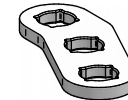
1x 1x5 Plate



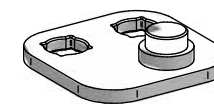
1x 2x3 Plate



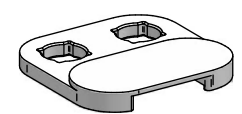
6x 1x2 Plate



2x 1x3 Curved Plate



1x Gripper bracket A



1x Gripper bracket B



2x L10 Bolt



10x L3 Rigid Bolt



4x L3 Rotating Bolt



23x Bracket



75x Nut



75x Track



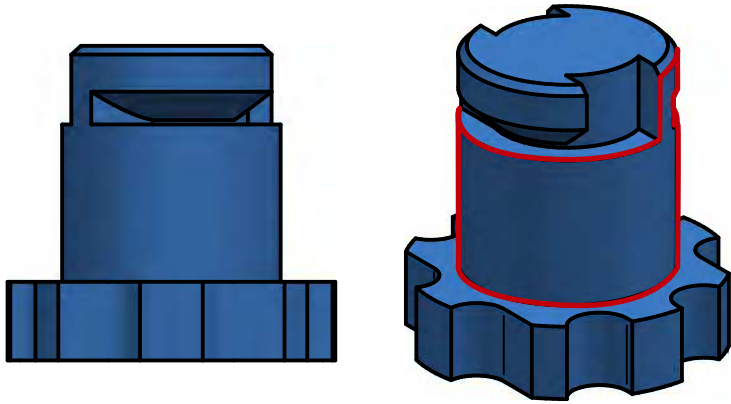
4x Spacer



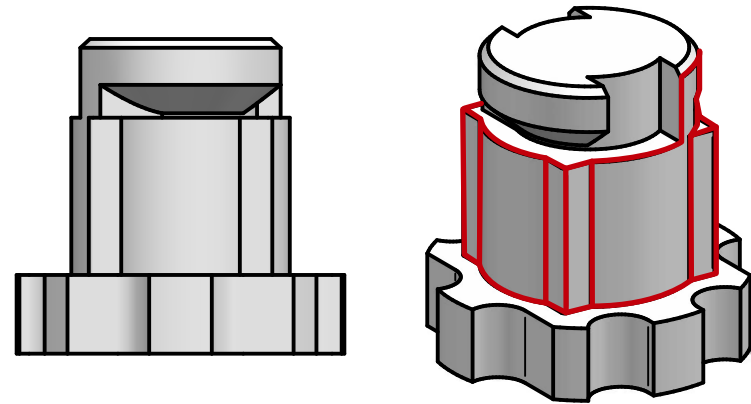
1x Wrench



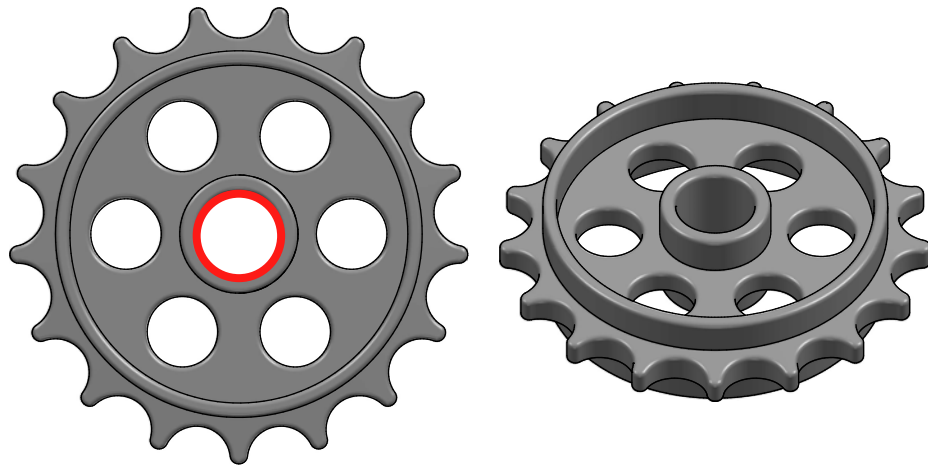
1x Socket wrench



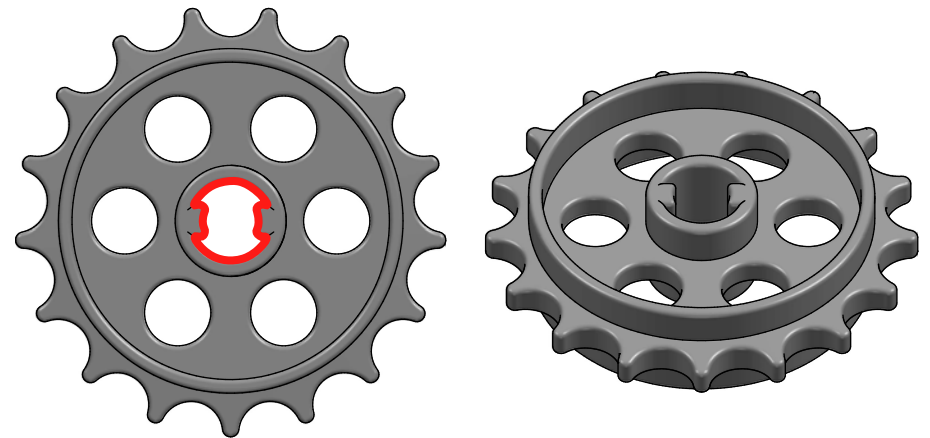
4x L3 Rotating Bolt



10x L3 Rigid Bolt



2x Passive wheel

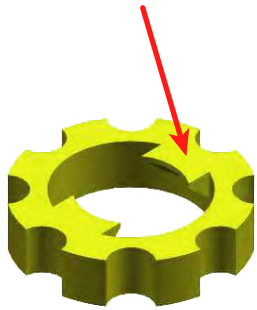


2x Drive wheel

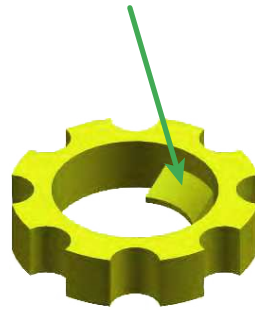


Make sure the nuts are oriented the correct way

Wrong



Correct



90°



90°

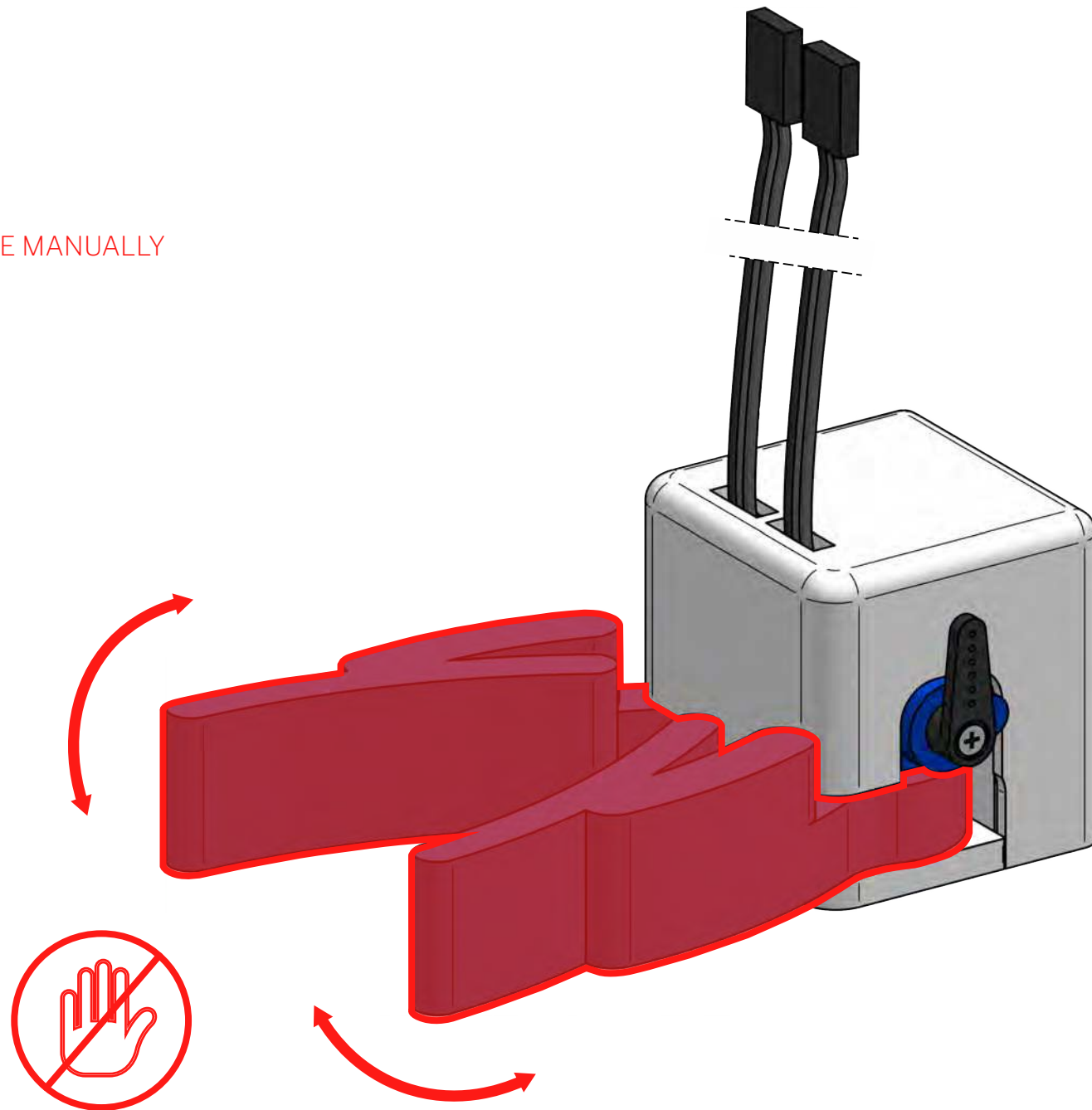


How to use tools

Tighten the nut only until you feel resistance (about 90°) you risk breaking it

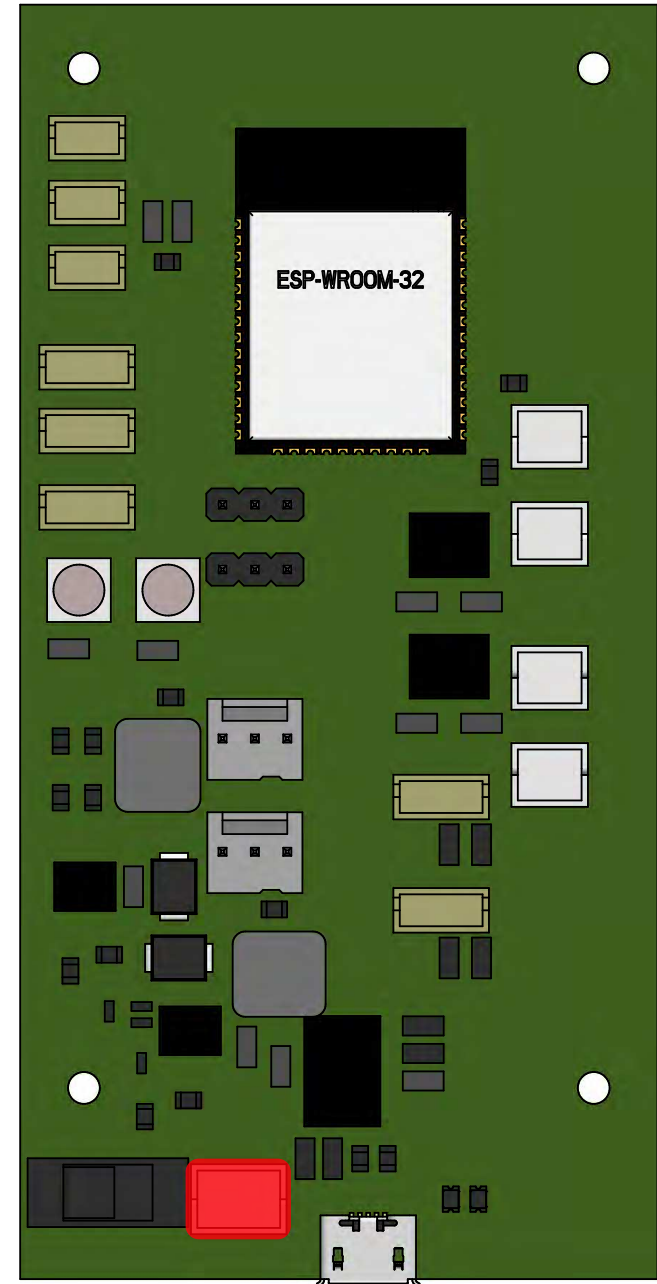
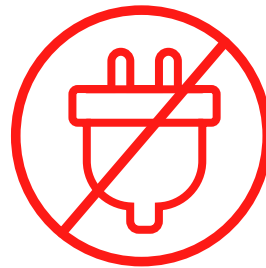
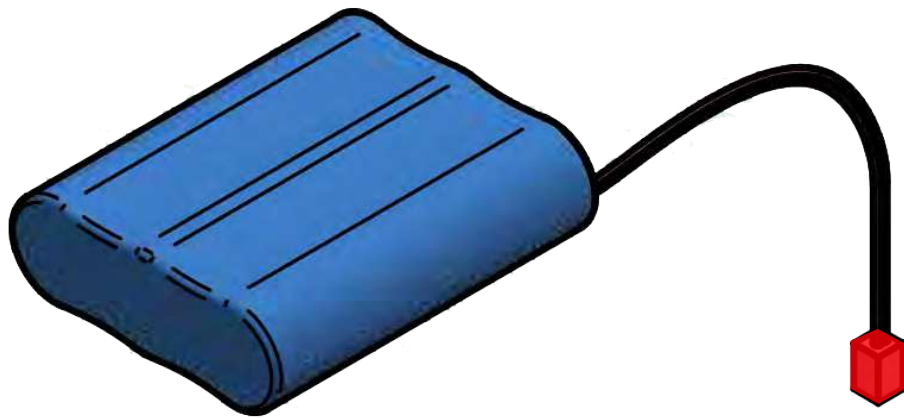
CAUTION!

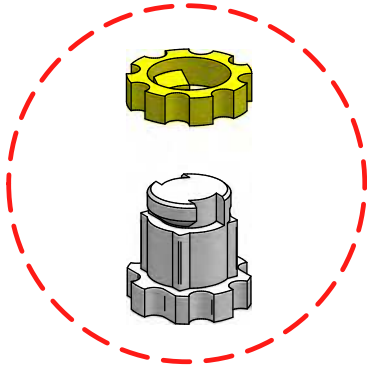
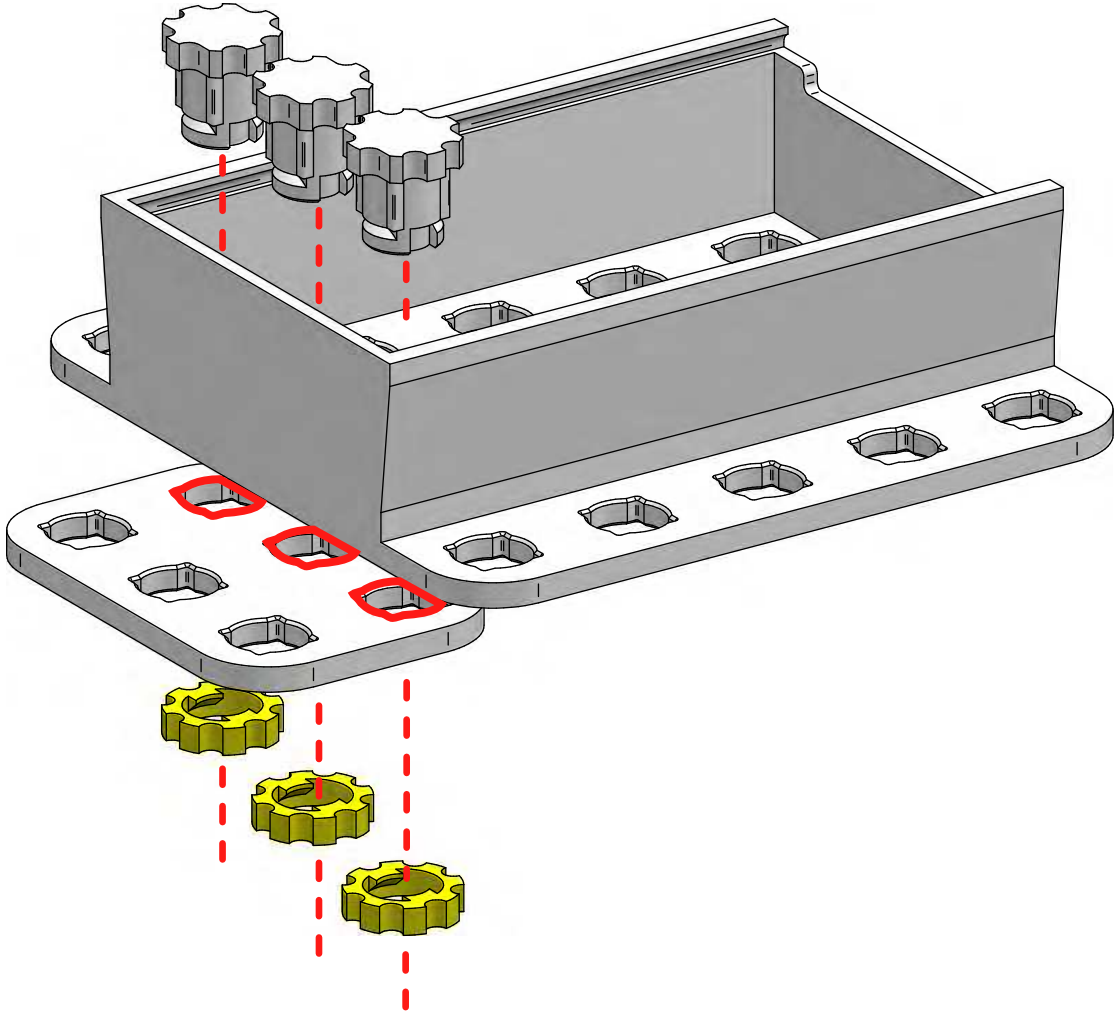
DO NOT OPEN OR CLOSE MANUALLY



CAUTION!

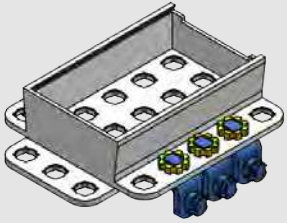
DO NOT CONNECT THE BATTERY TO SKRIBRAIN
BEFORE FULLY ASSEMBLING SKRIBOT





Mind the correct orientation of the yellow nut while screwing

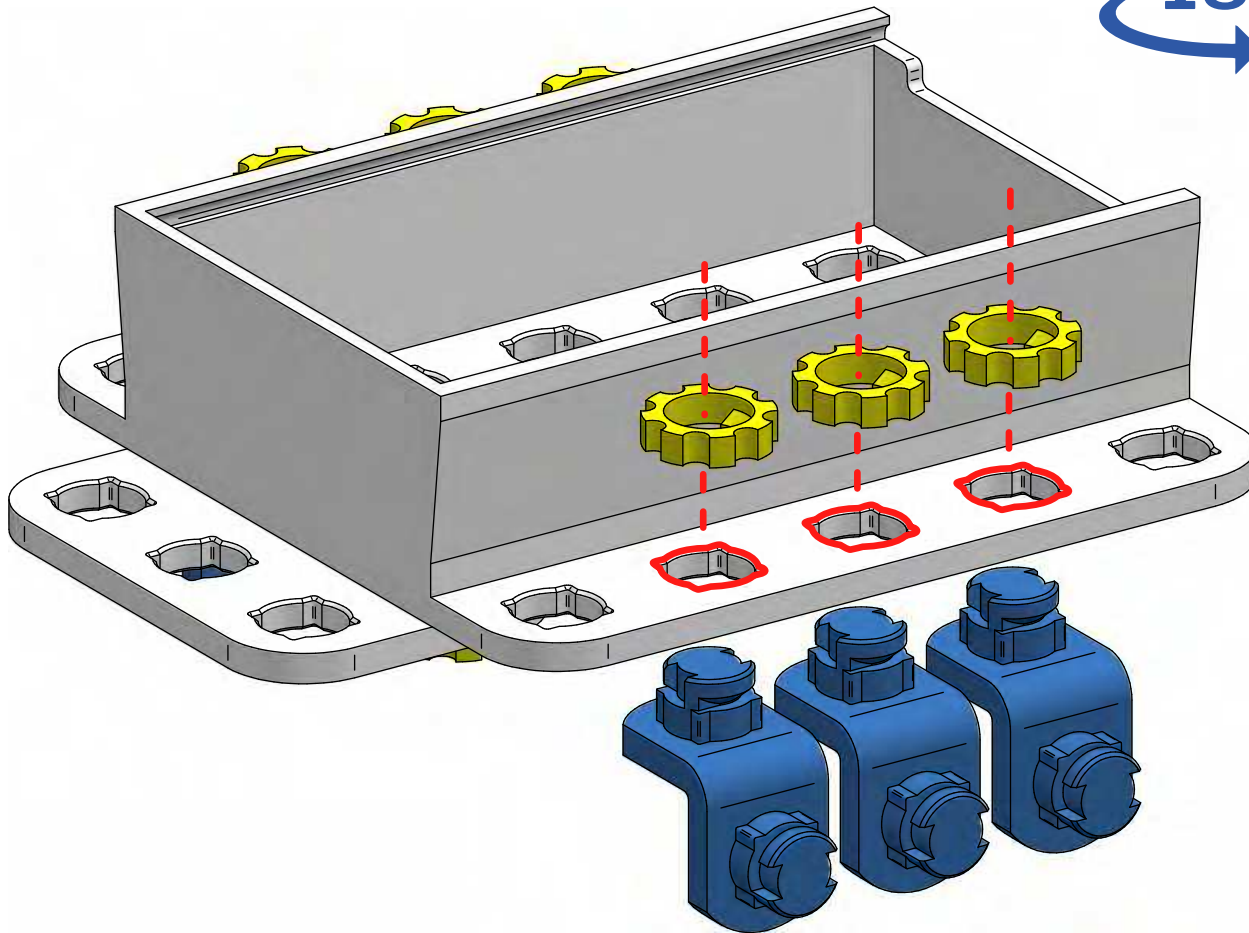
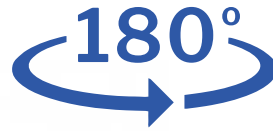
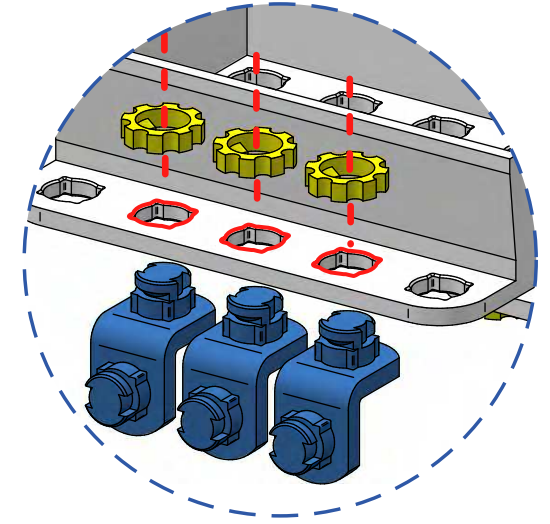
2

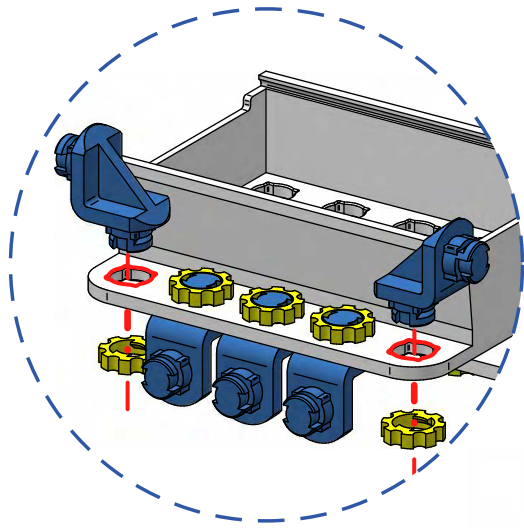


6x

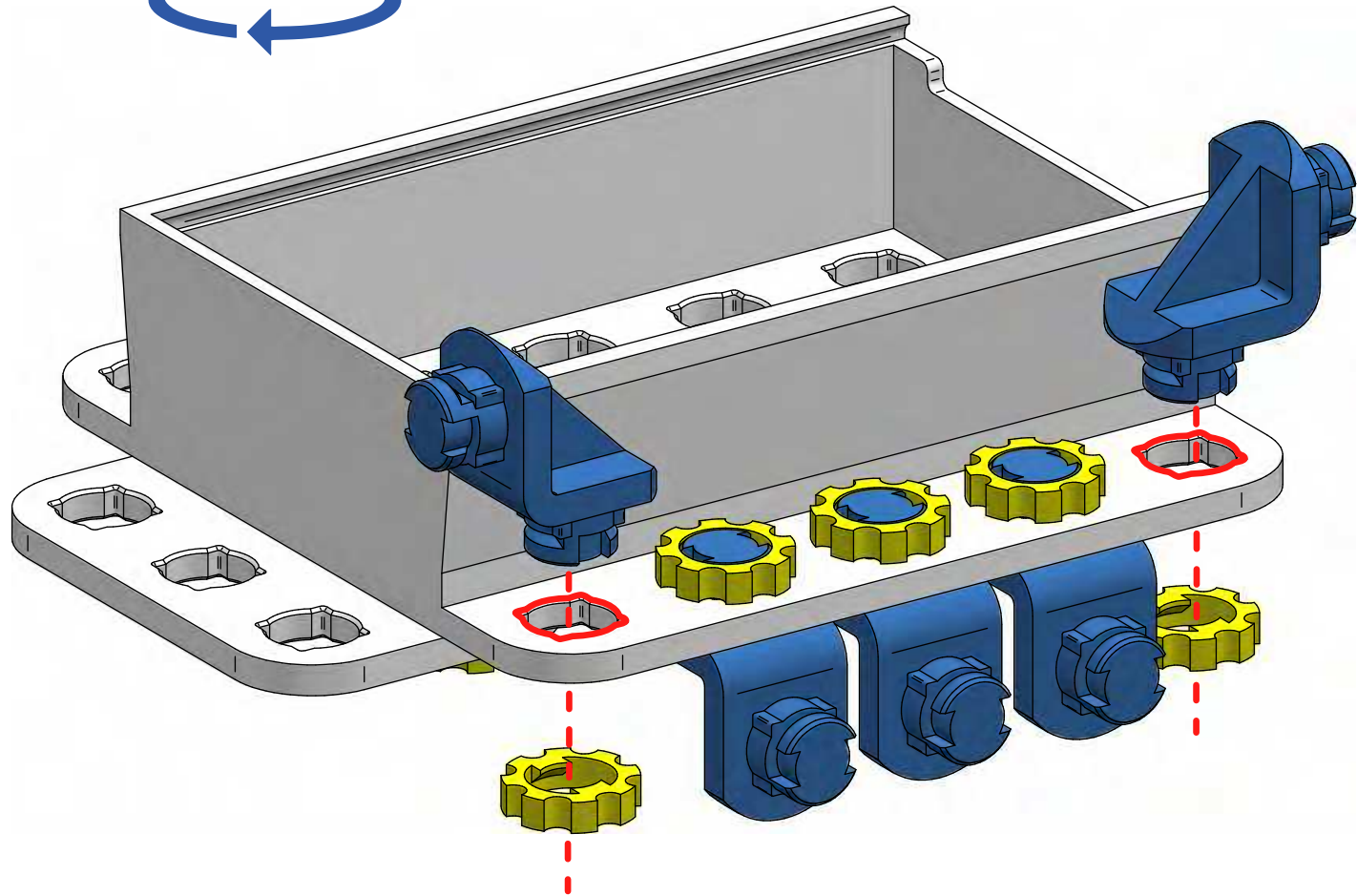


6x





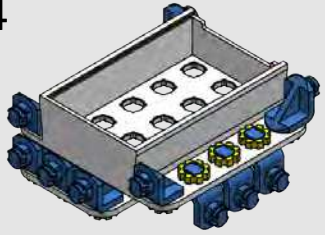
180°



4x 4x 3

A parts list for step 3, showing four yellow gears, four blue connectors, and a reference image of the sub-assembly. The sub-assembly consists of a grey base plate with four yellow gears and four blue connectors attached to its underside.

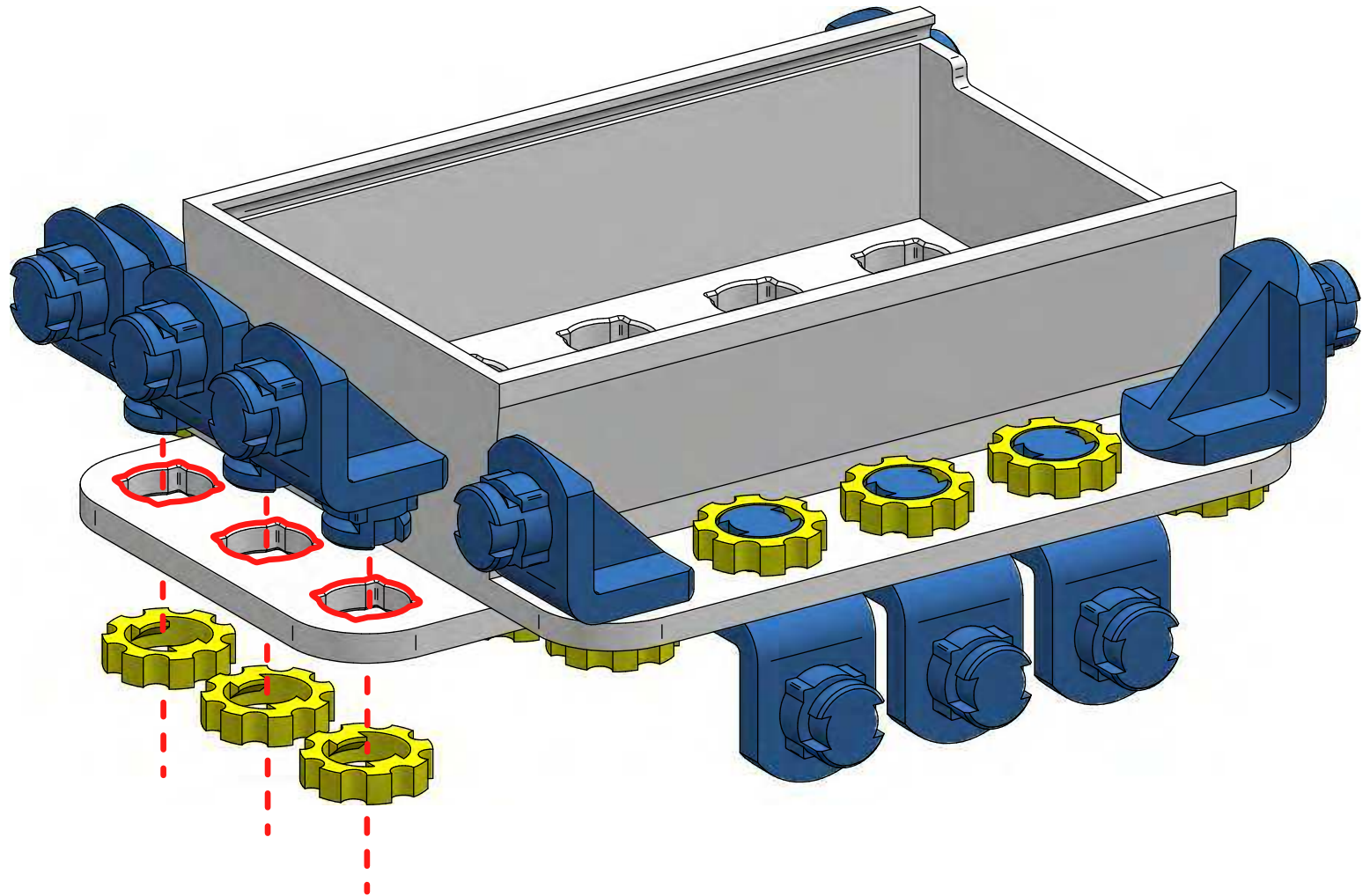
4



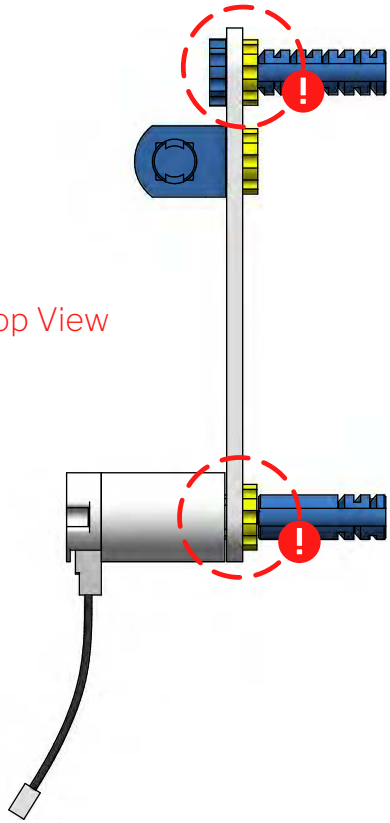
3x



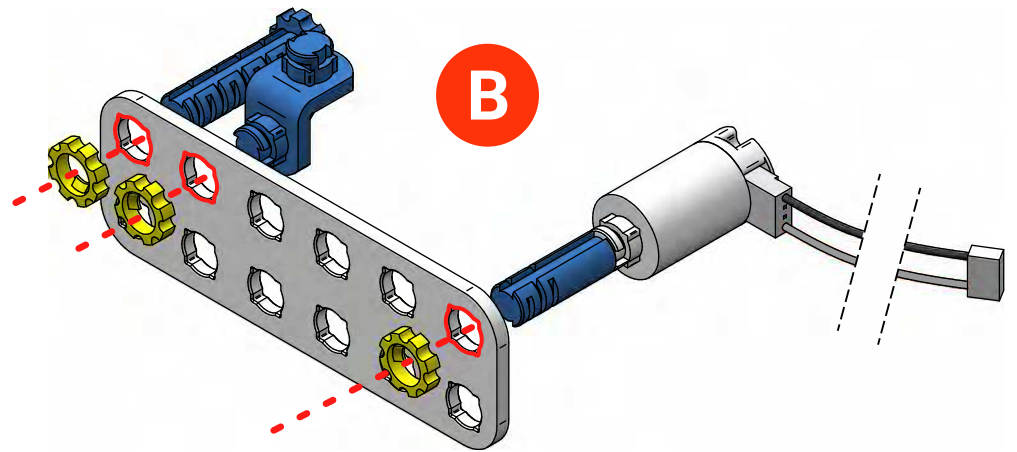
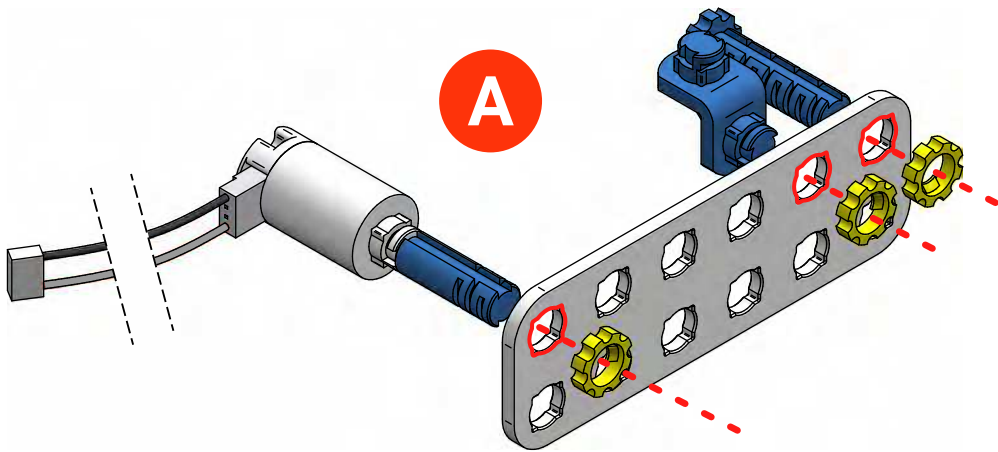
3x



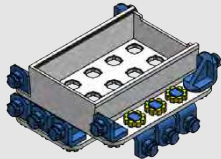
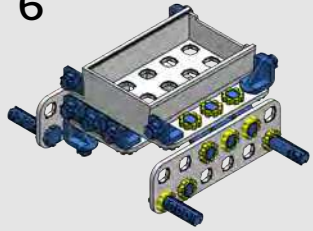
Top View



2x 2x 2x 6x 2x **5**

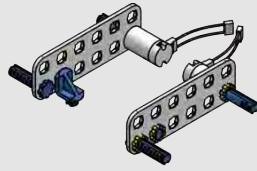


6



Step 4

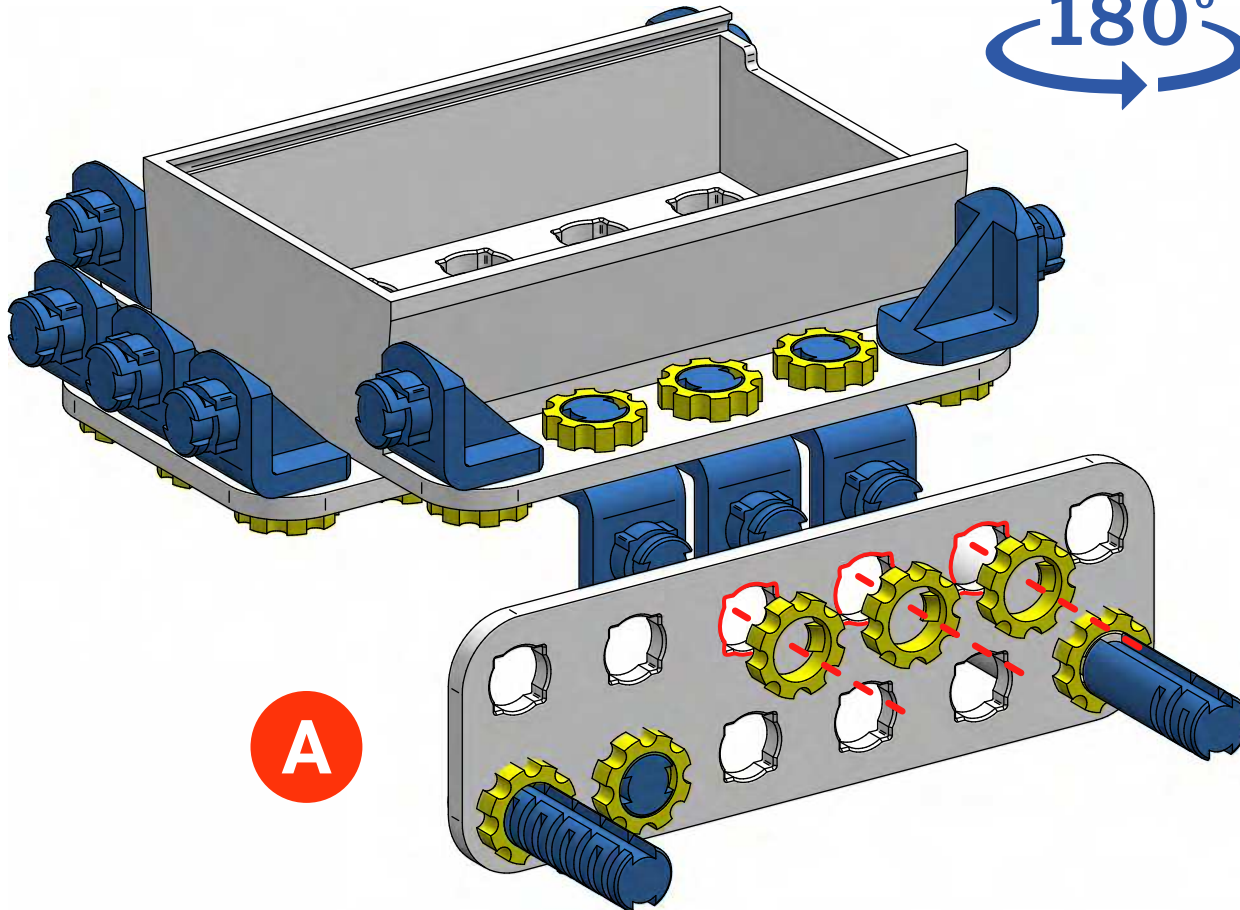
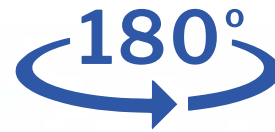
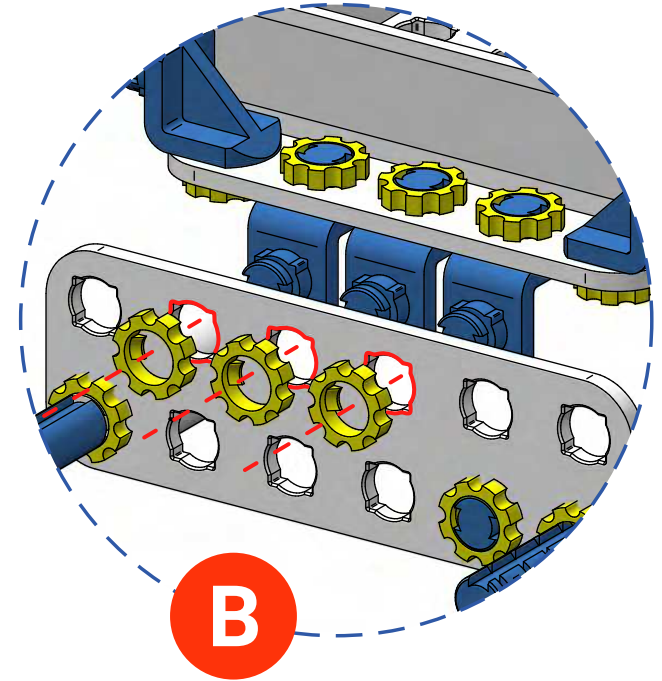
+



Step 5



6x



A

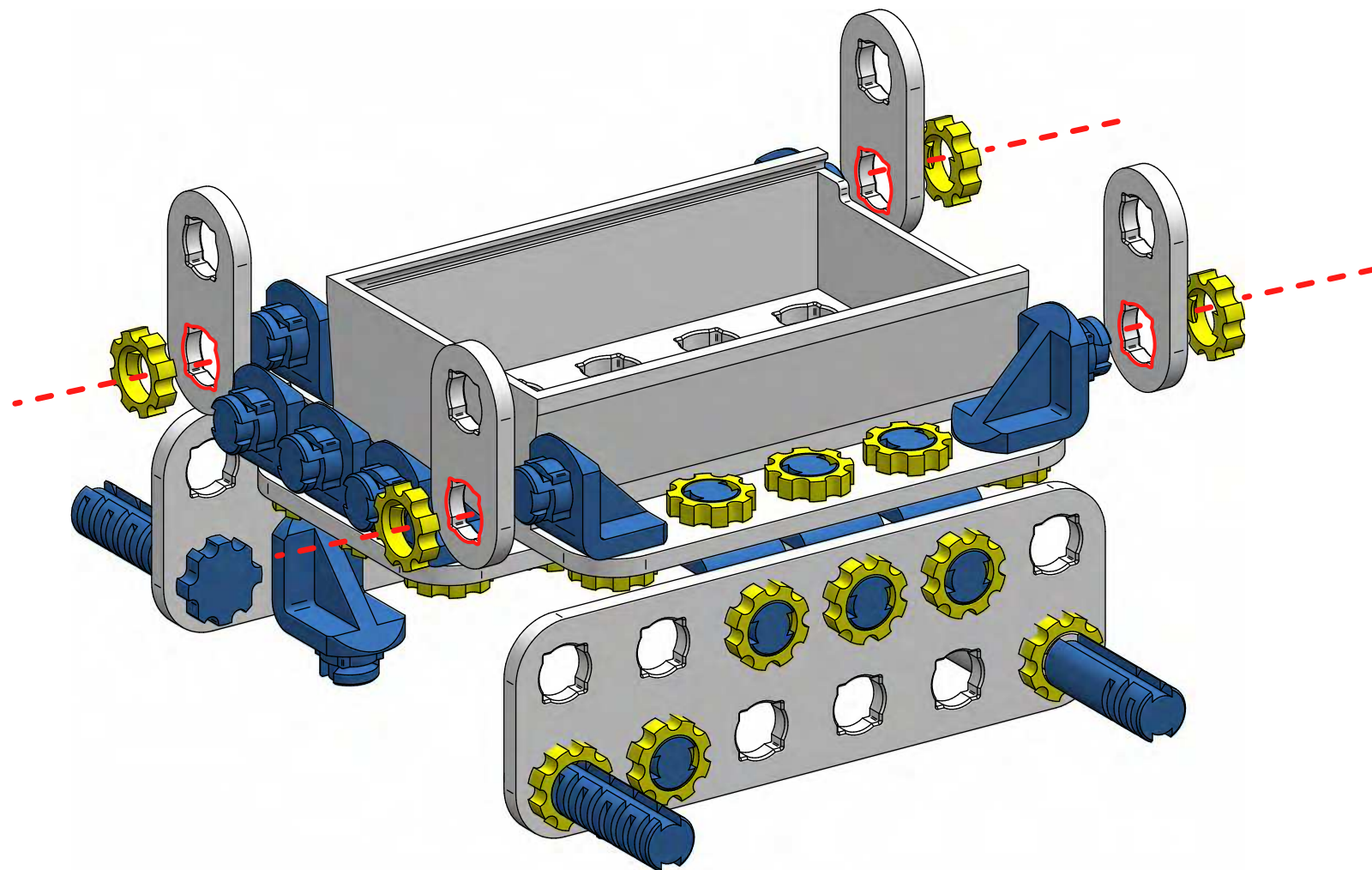
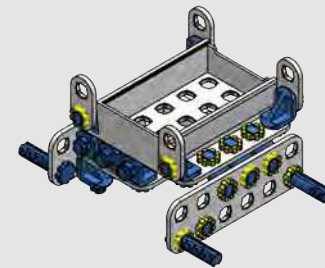
B



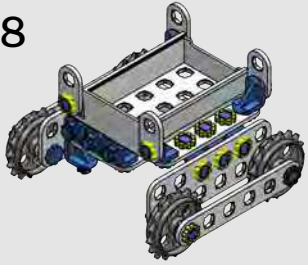
4x



4x



8



8x



4x



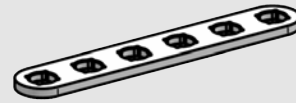
2x

Passive wheel

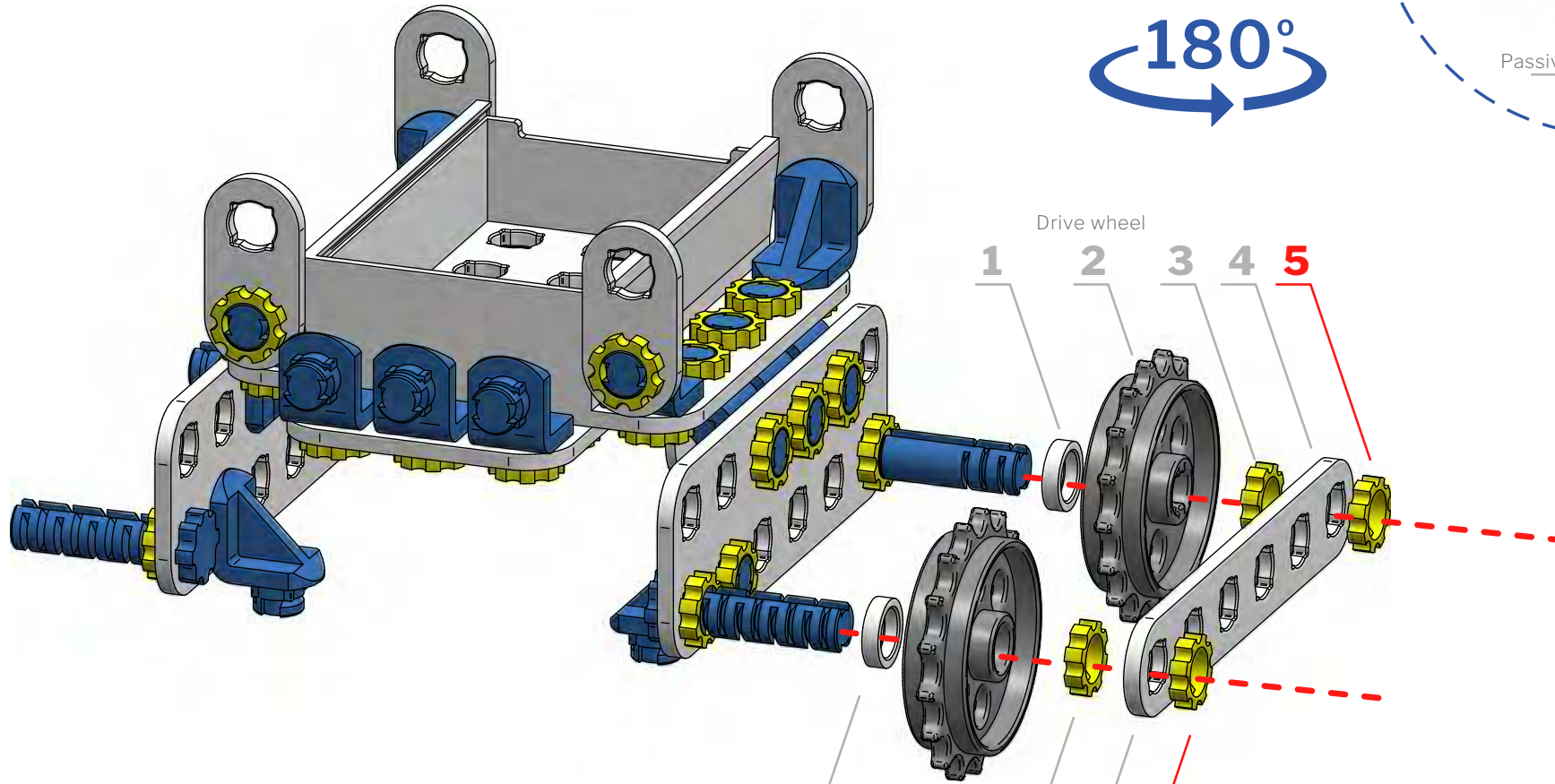
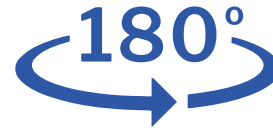
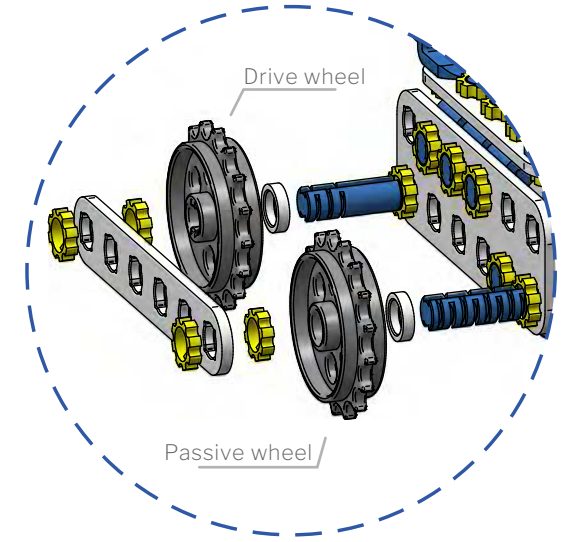


2x

Drive wheel



2x



1

2

3

4

5

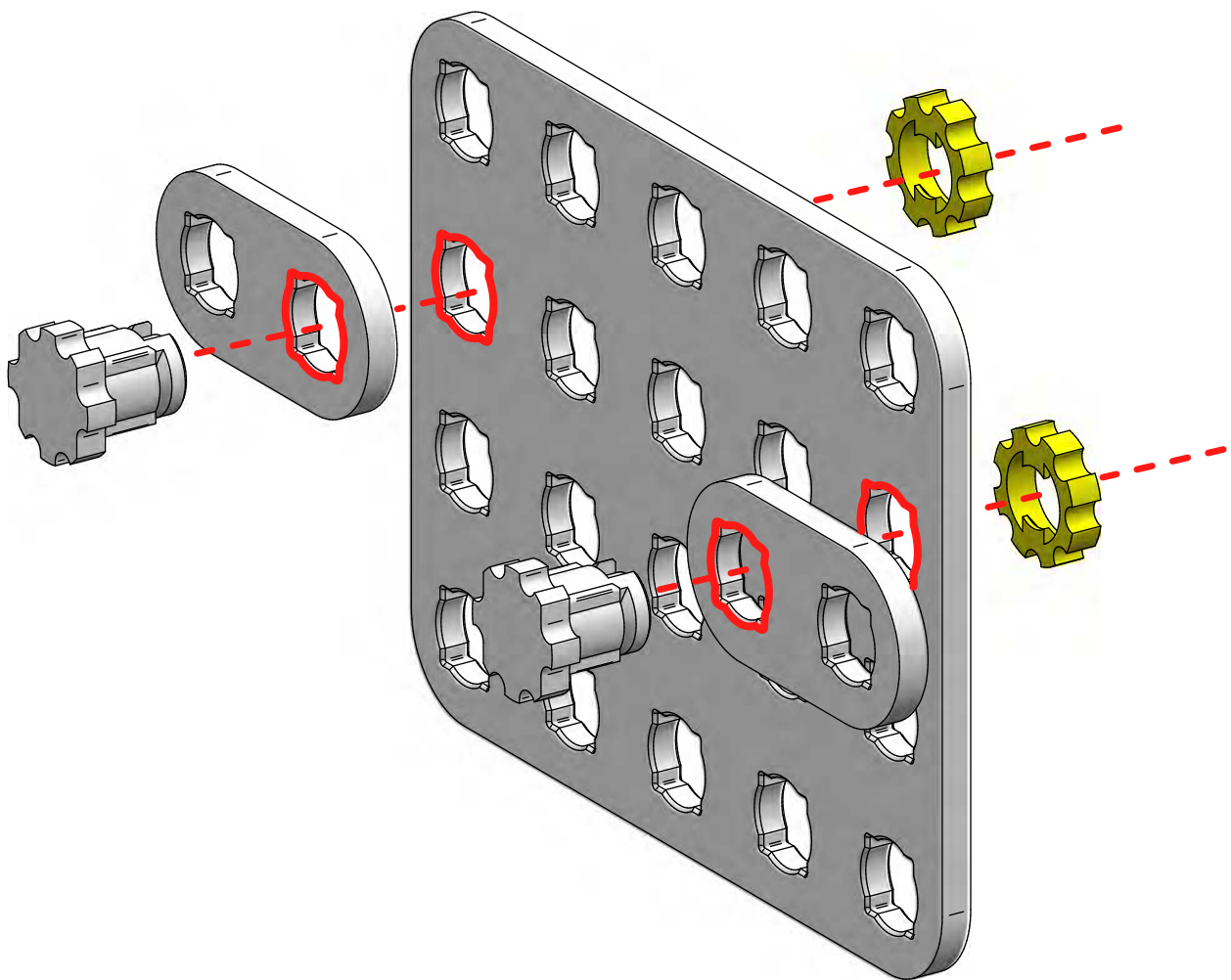
Rotate this nut counter-clockwise

Passive wheel

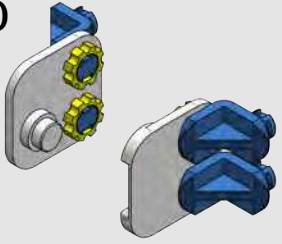


1x [1x 4x6 grid plate] 2x [2x oval connector] 2x [2x yellow gear] 2x [2x grey L3 Rigid Bolt] L3 Rigid Bolt

This block contains the parts list for step 9. It includes a 4x6 grid plate (1x), two 2x oval connectors (2x), two yellow gears (2x), and two grey L3 Rigid Bolts (2x). A small inset image shows the partially assembled sub-assembly.



10



4x



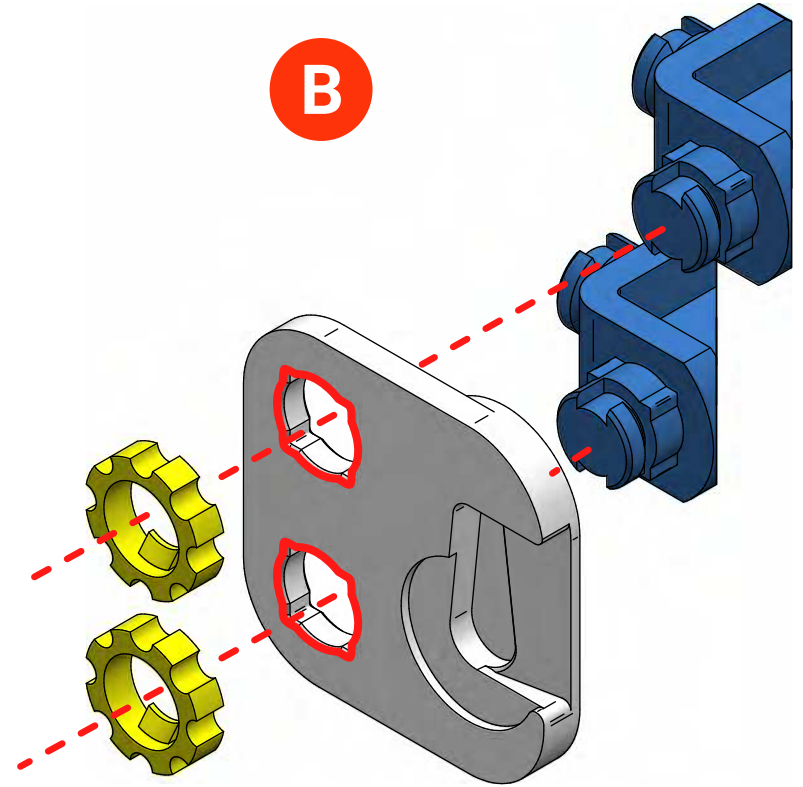
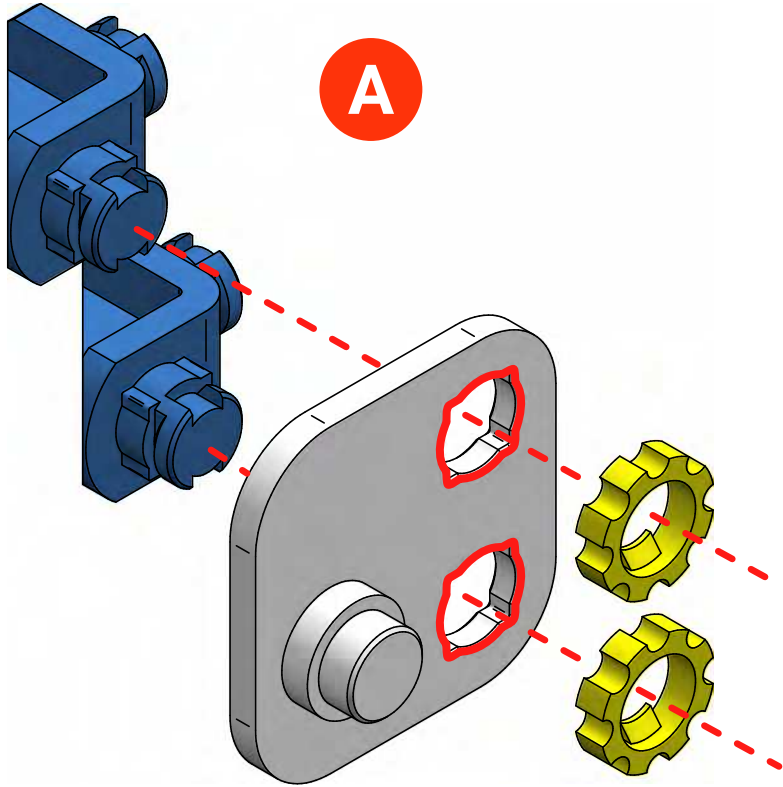
4x



1x



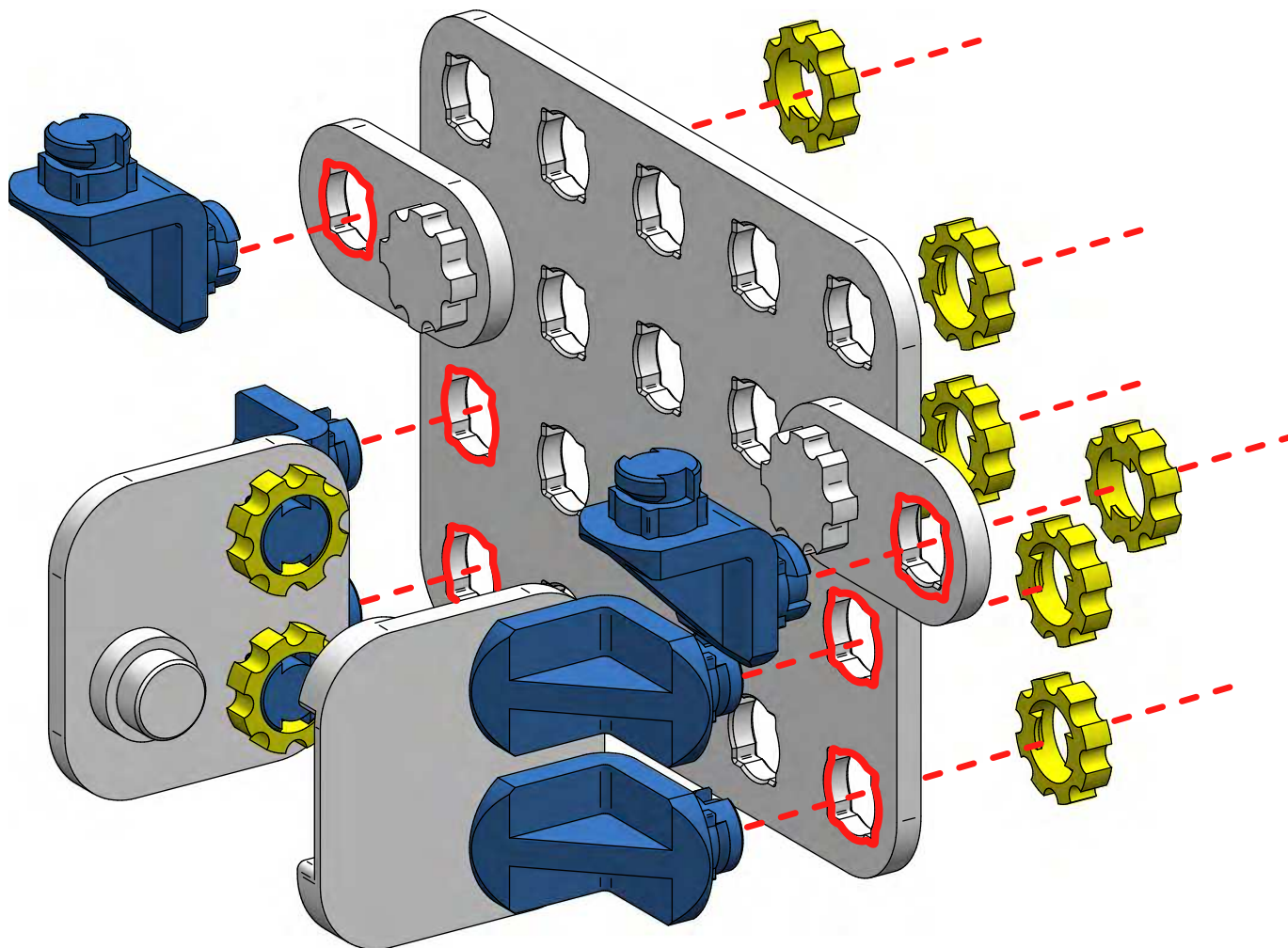
1x



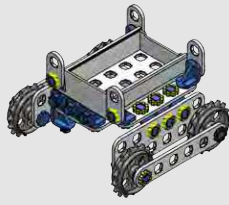
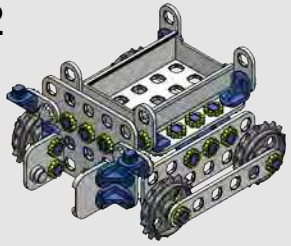
6x 2x

Step 10 + Step 9

This block contains the parts list and assembly sequence for step 11. It shows 6 yellow gears and 2 blue connectors. The assembly sequence shows a sub-assembly from Step 10 (a grey plate with two gears and a blue connector) being joined to a sub-assembly from Step 9 (a grey plate with a grid of holes and a blue connector). The final result is a larger assembly with multiple gears and connectors.

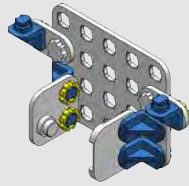


12



Step 8

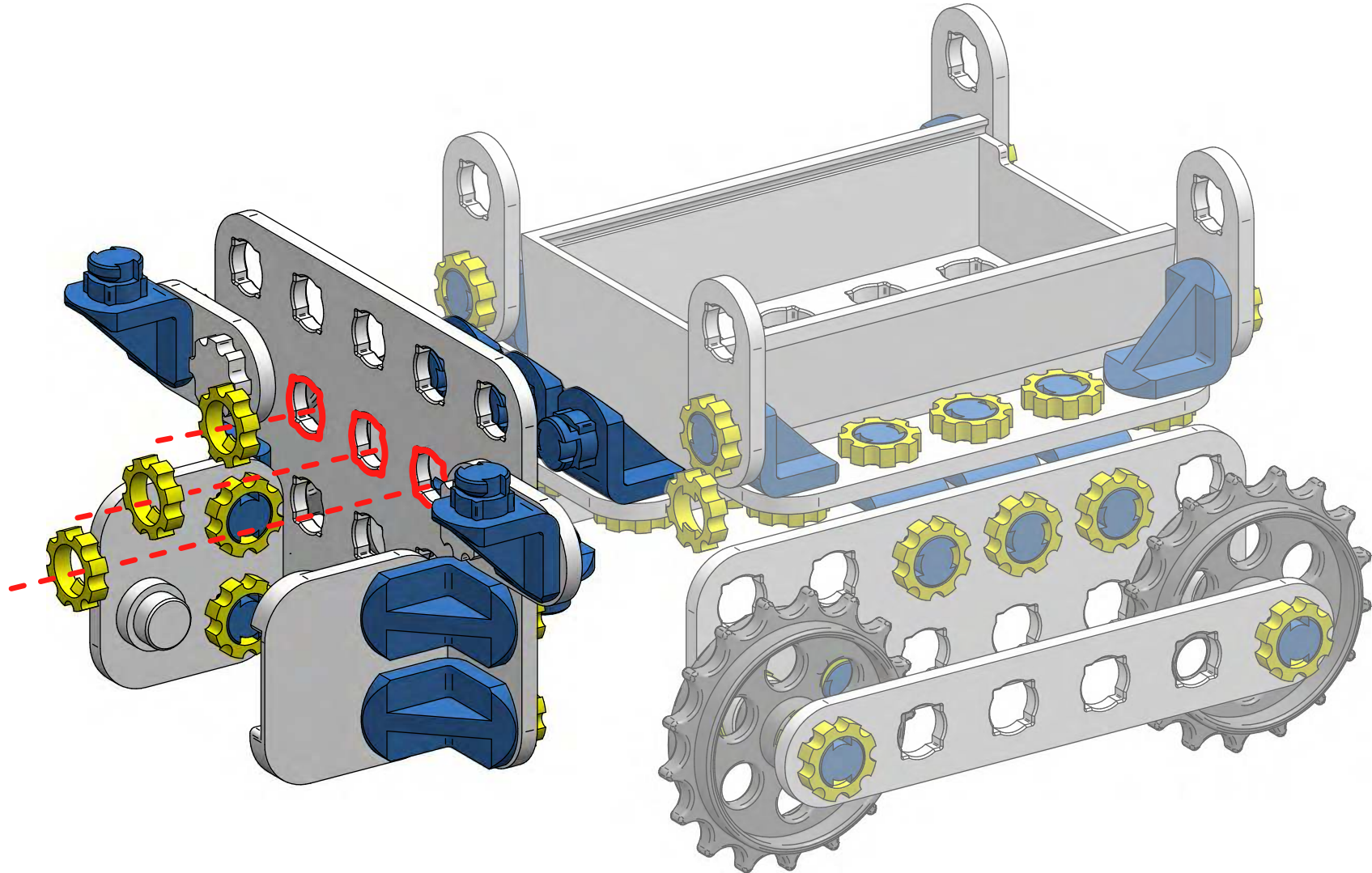
+



Step 10



3x





2x



2x



2x

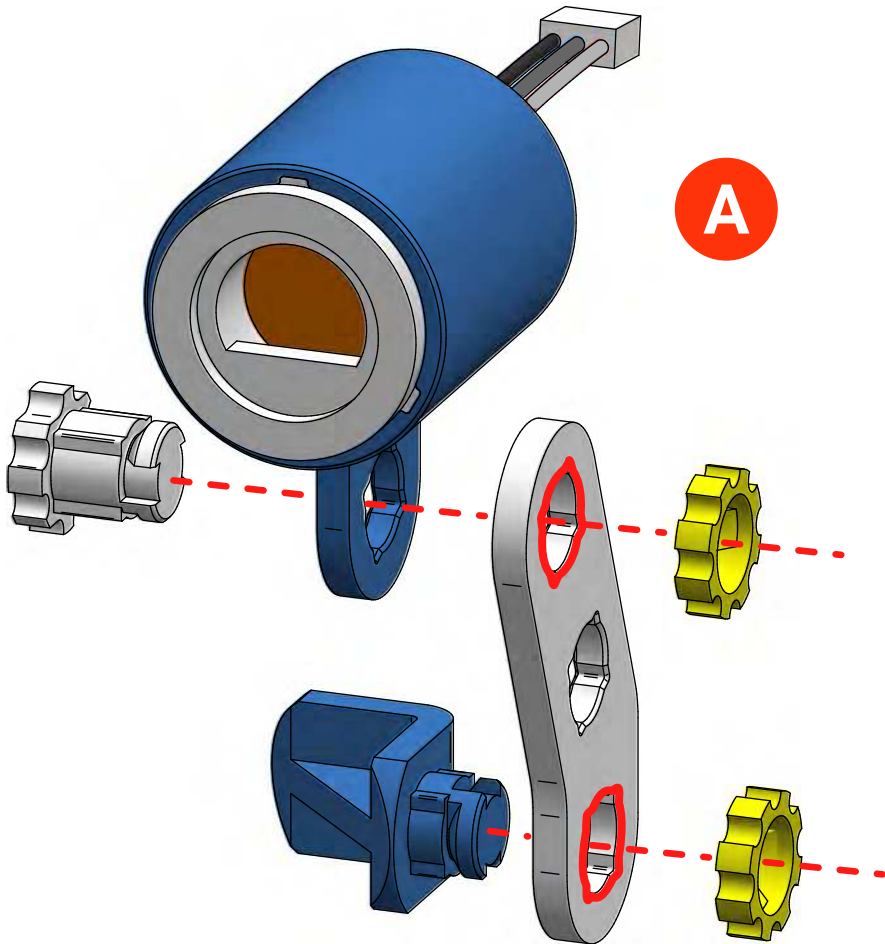


4x

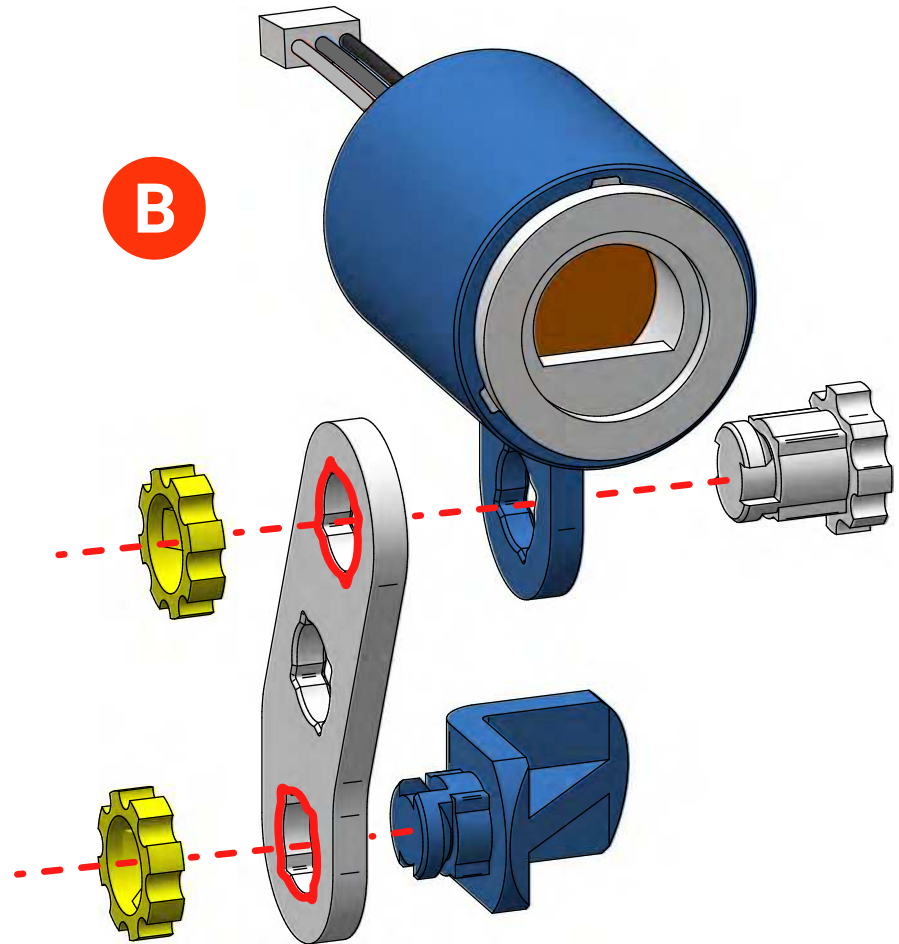


2x

L3 Rigid Bolt

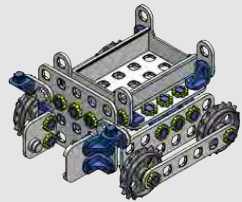
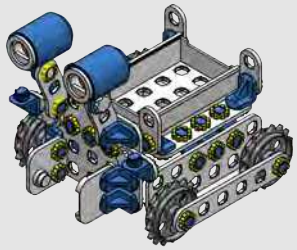


A



B

14



Step 12

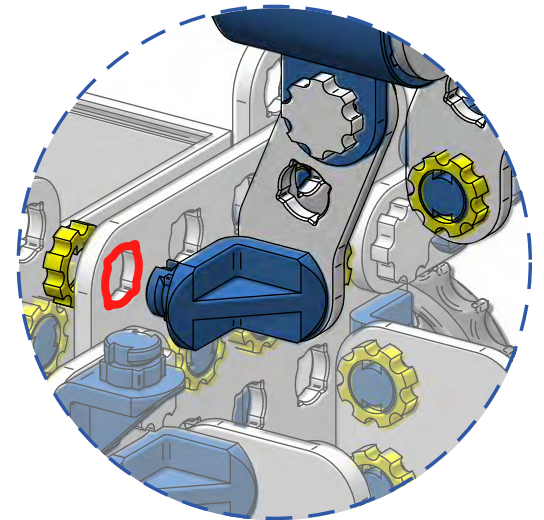
+



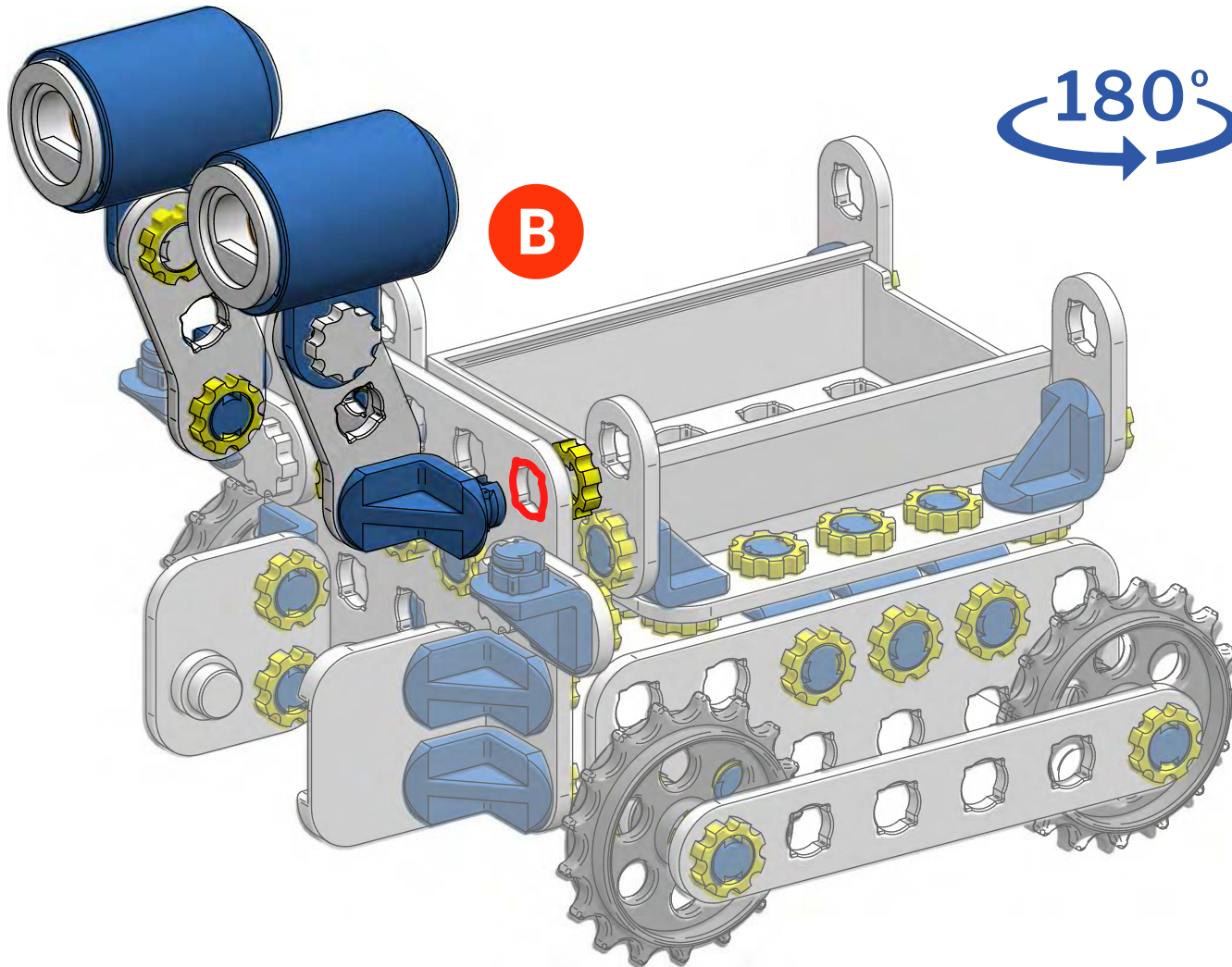
Step 13



2x

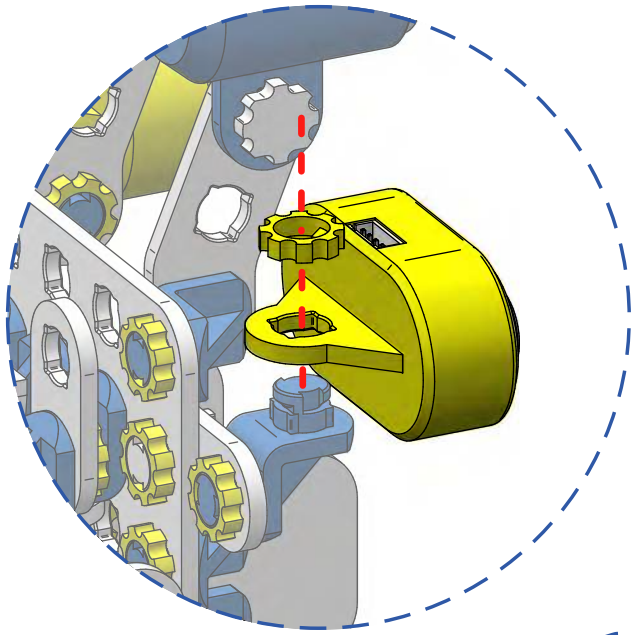


A



180°

B

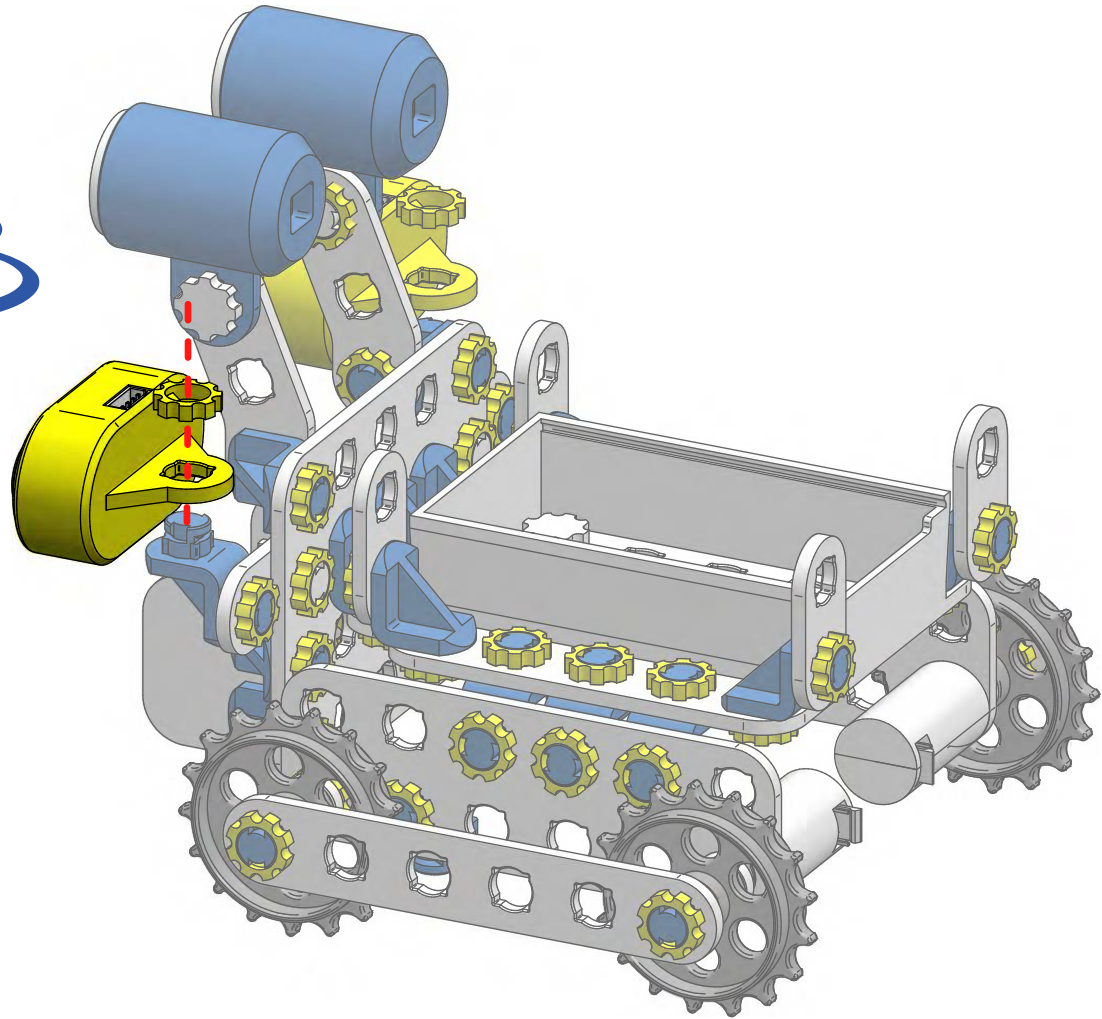


180°

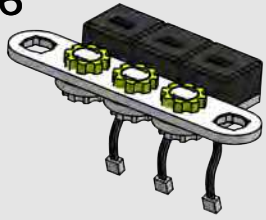
2x 2x + Step 14

15

This block contains the parts list for Step 14. It shows two yellow gears, two yellow motor units, and the sub-assembly from Step 14. The number 15 is in the top right corner.



16



3x



3x

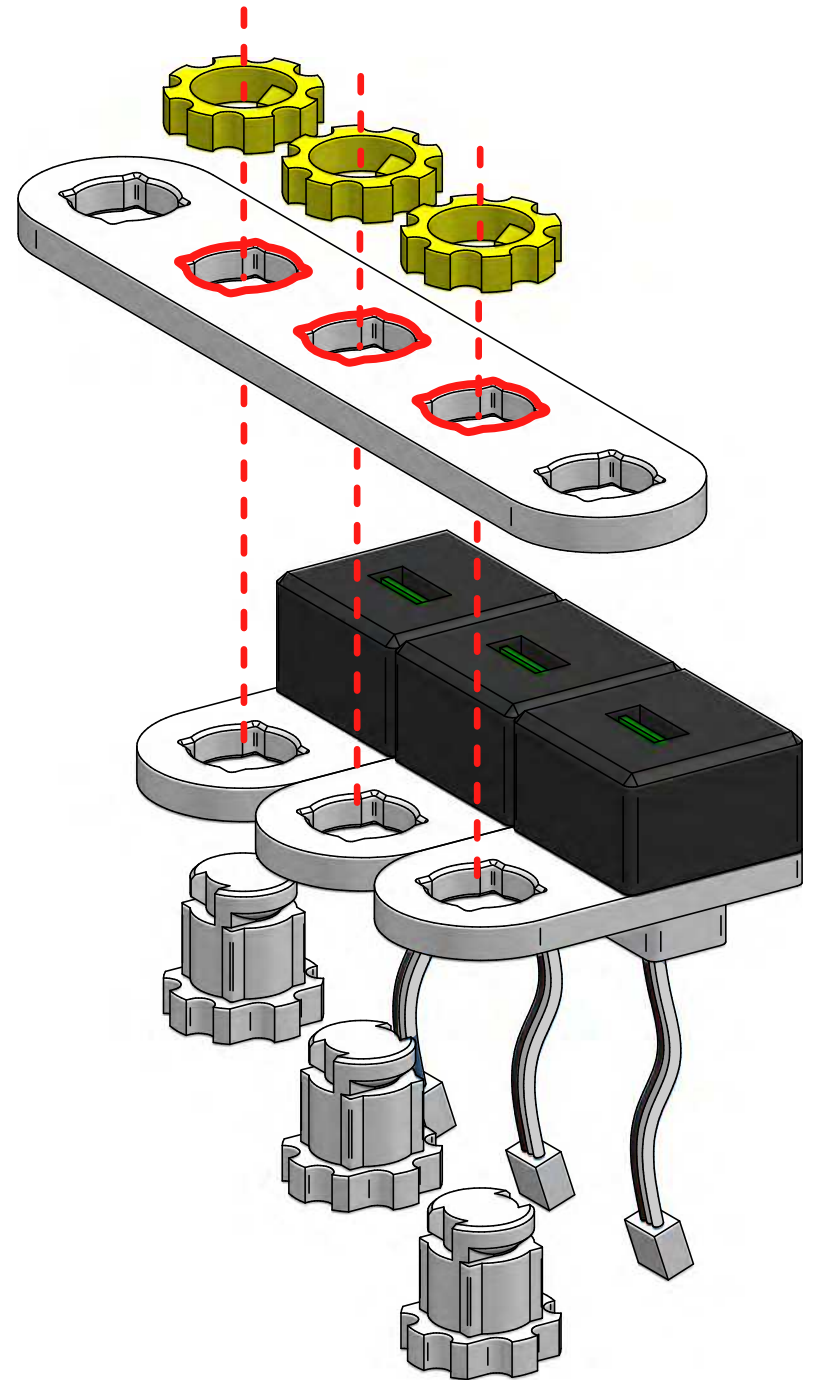
L3 Rigid Bolt

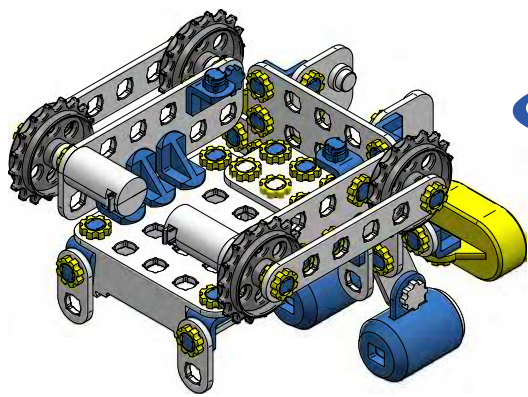


3x

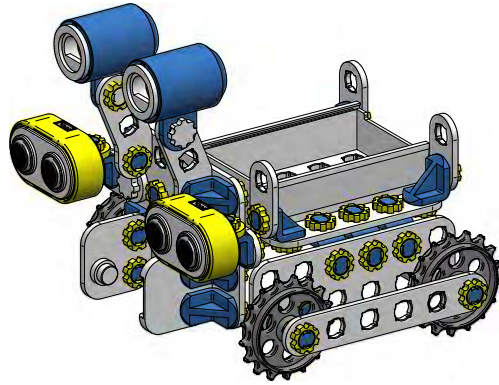


1x

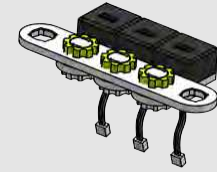




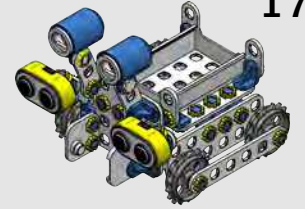
180°



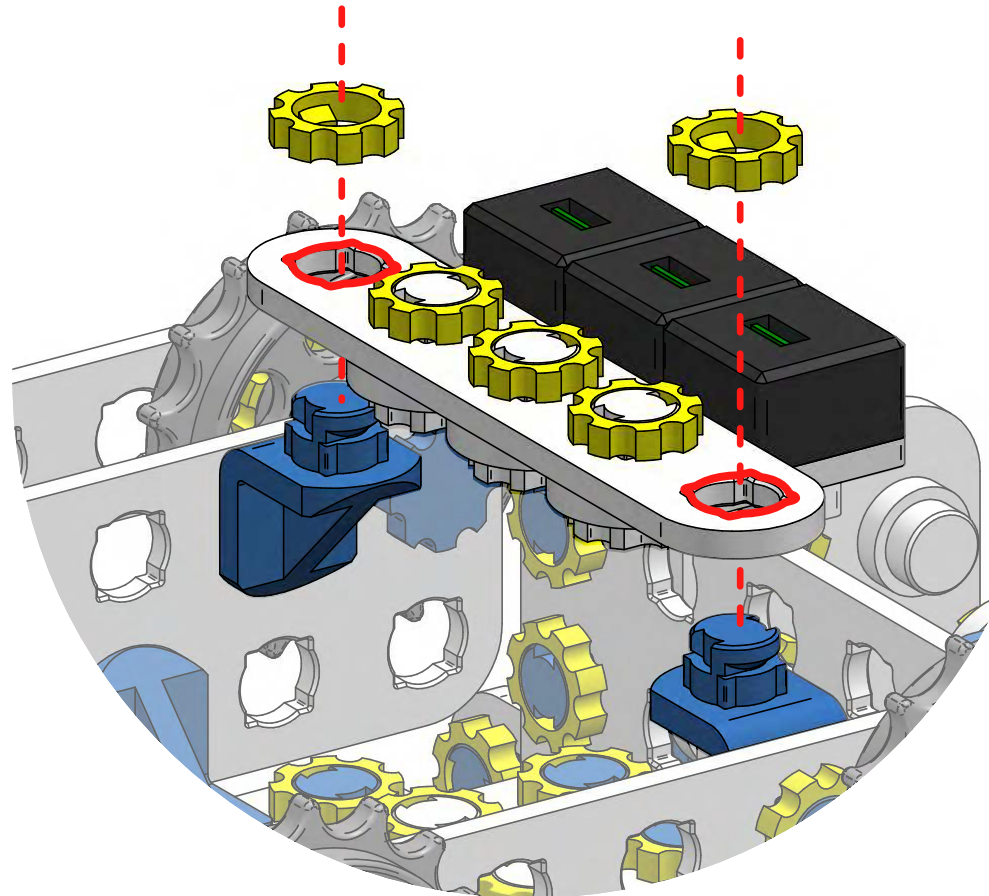
2x



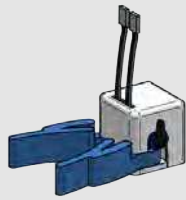
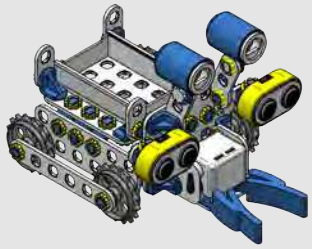
+



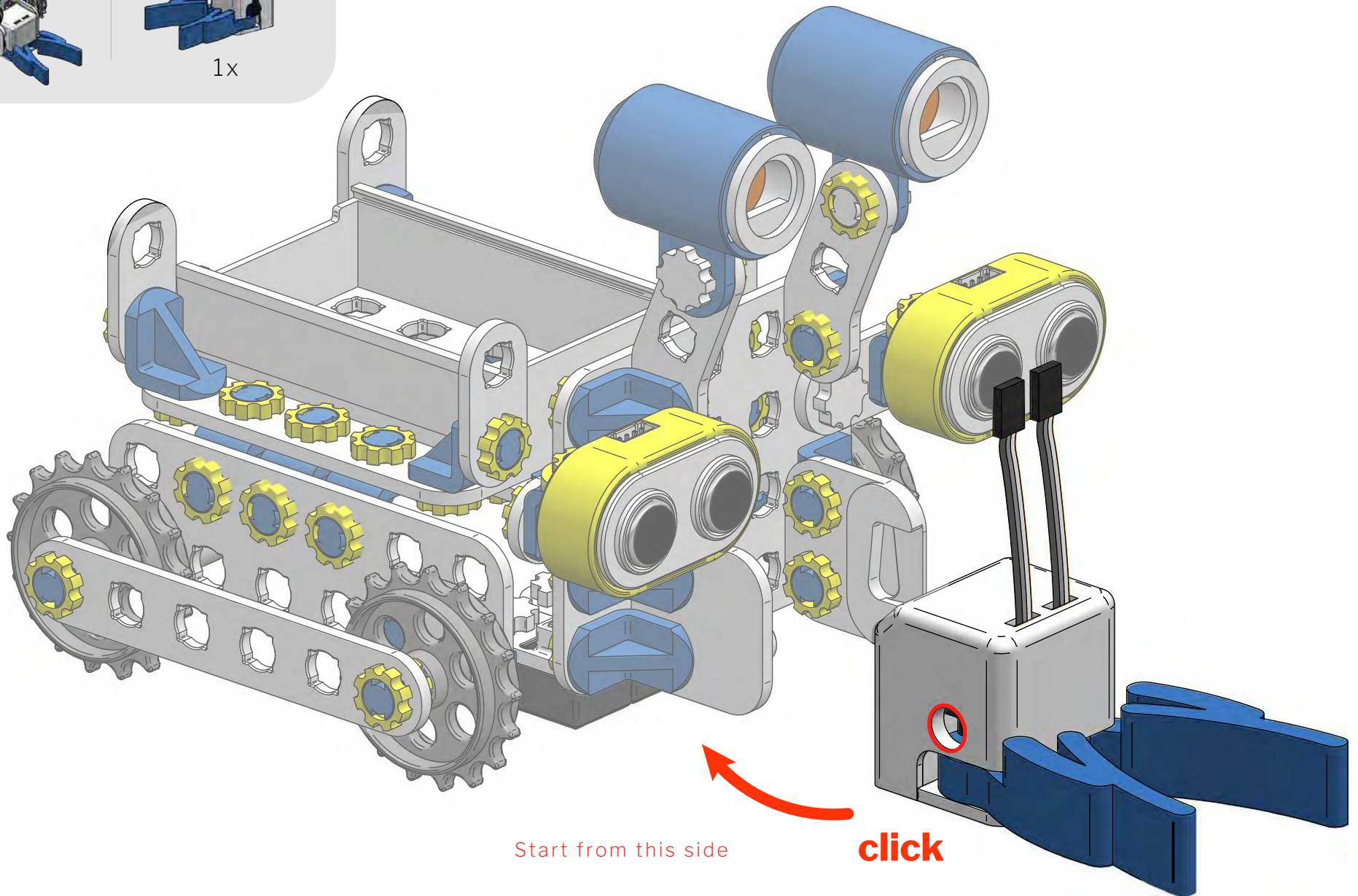
17



18

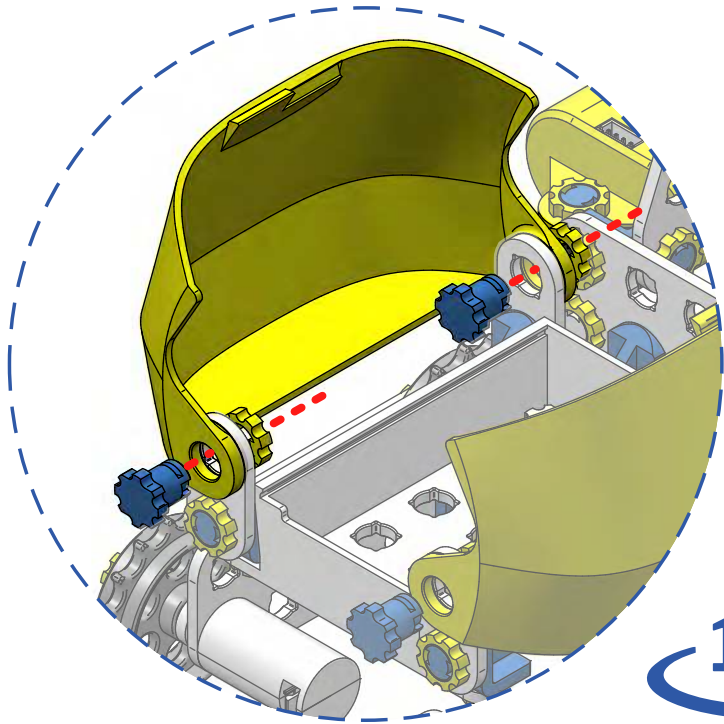


1x



Start from this side

click



180°



4x

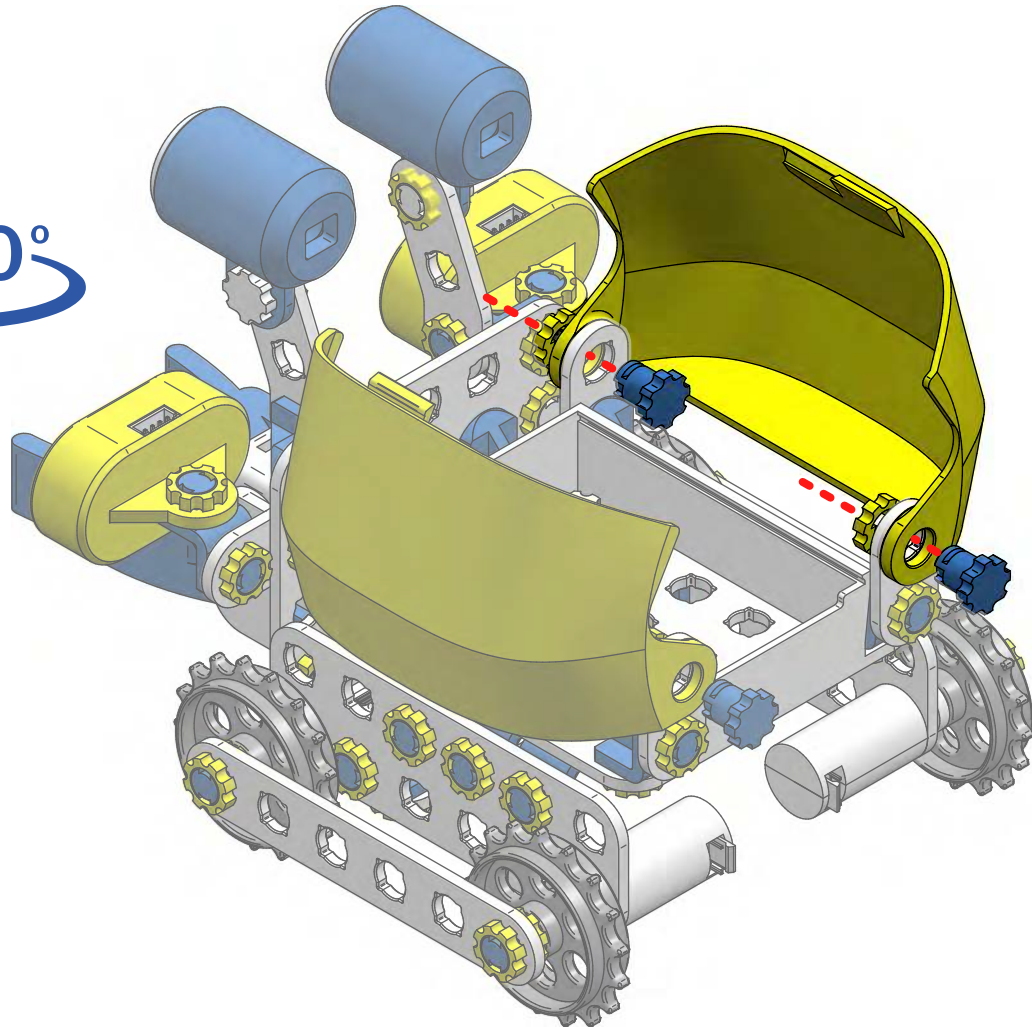
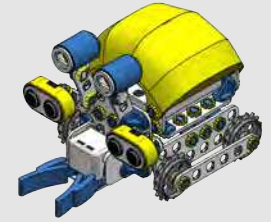


4x

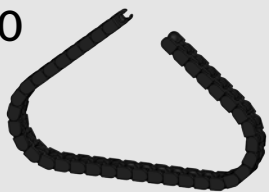


2x

L3 Rotating Bolt



20

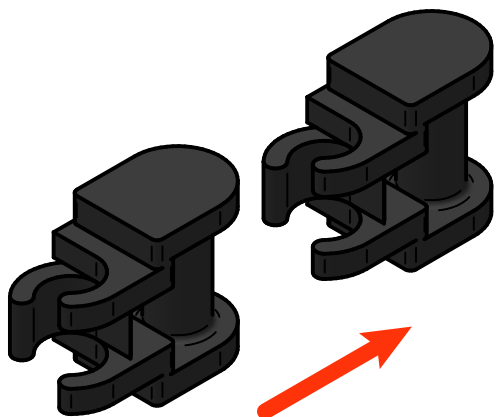


2x

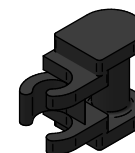


74x

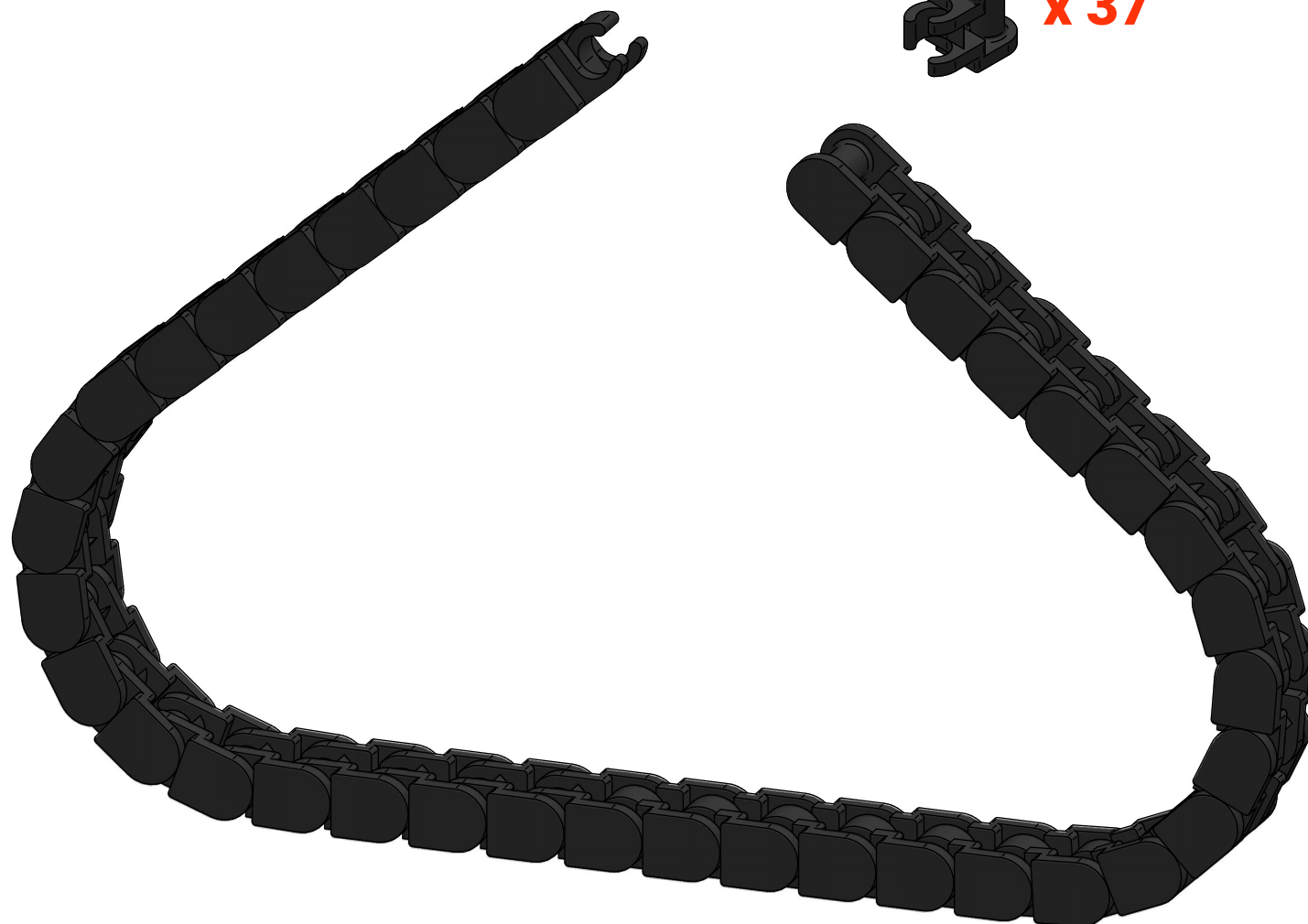
Each track consists of 37 track links

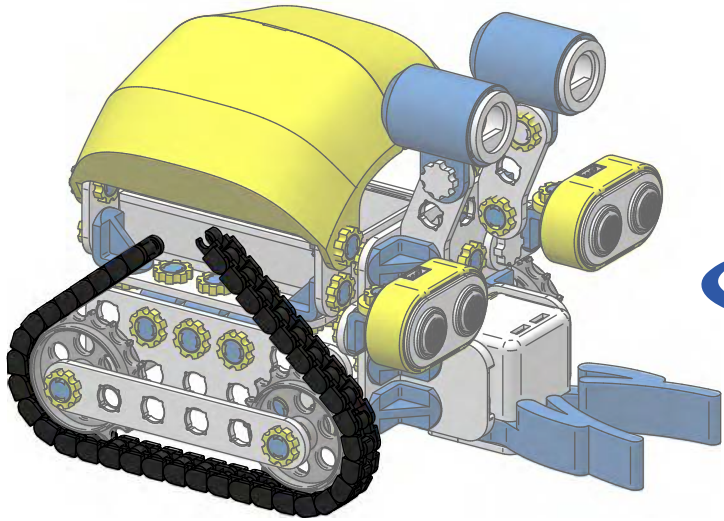


click

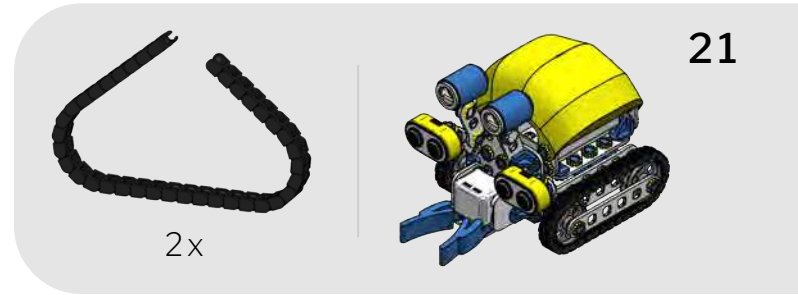


x 37

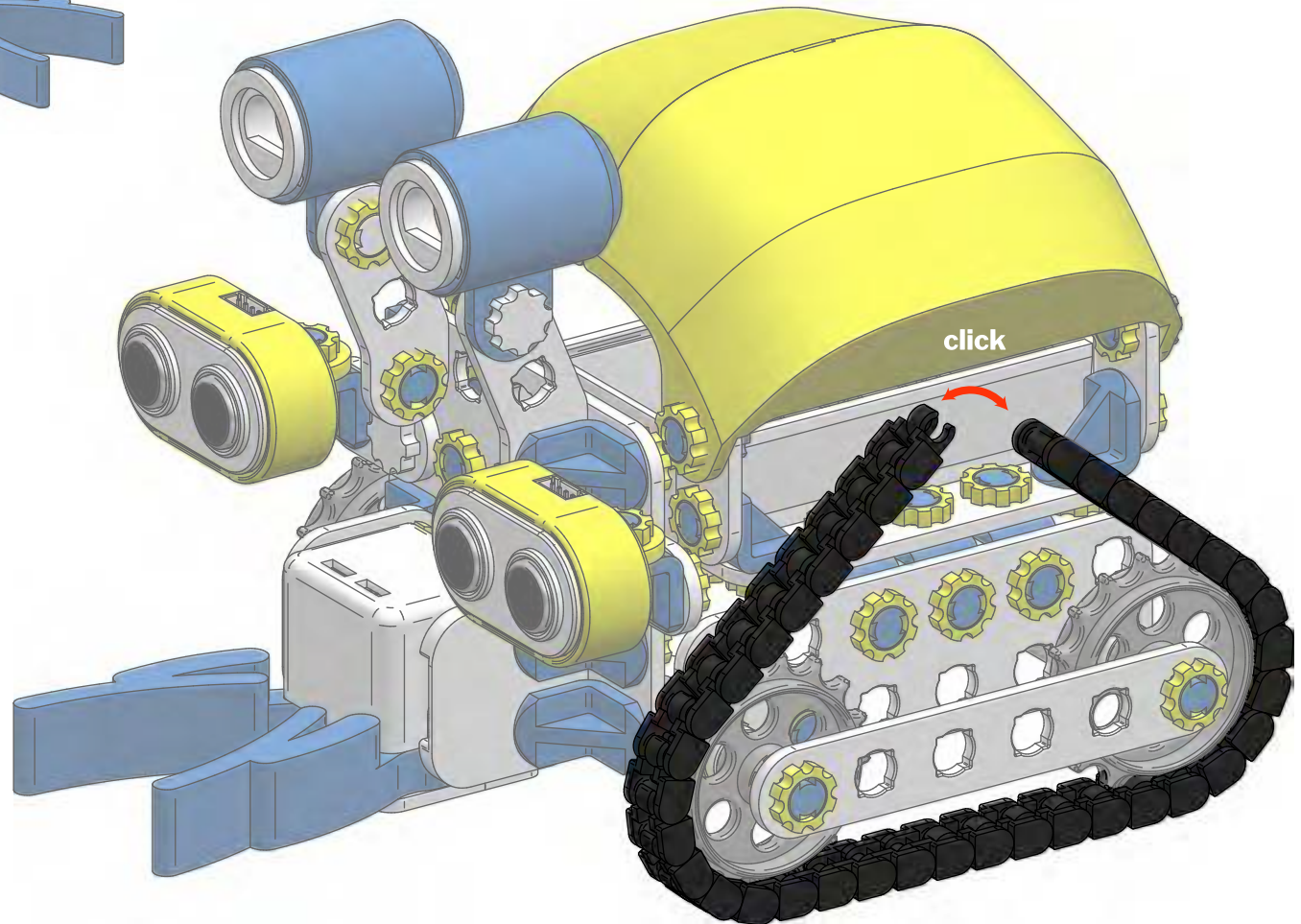




180°

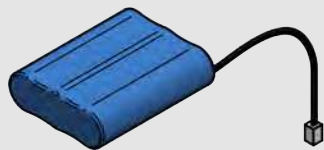
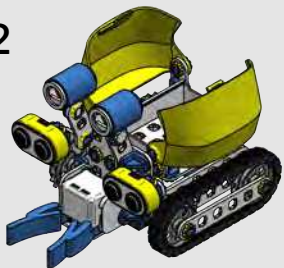


2x



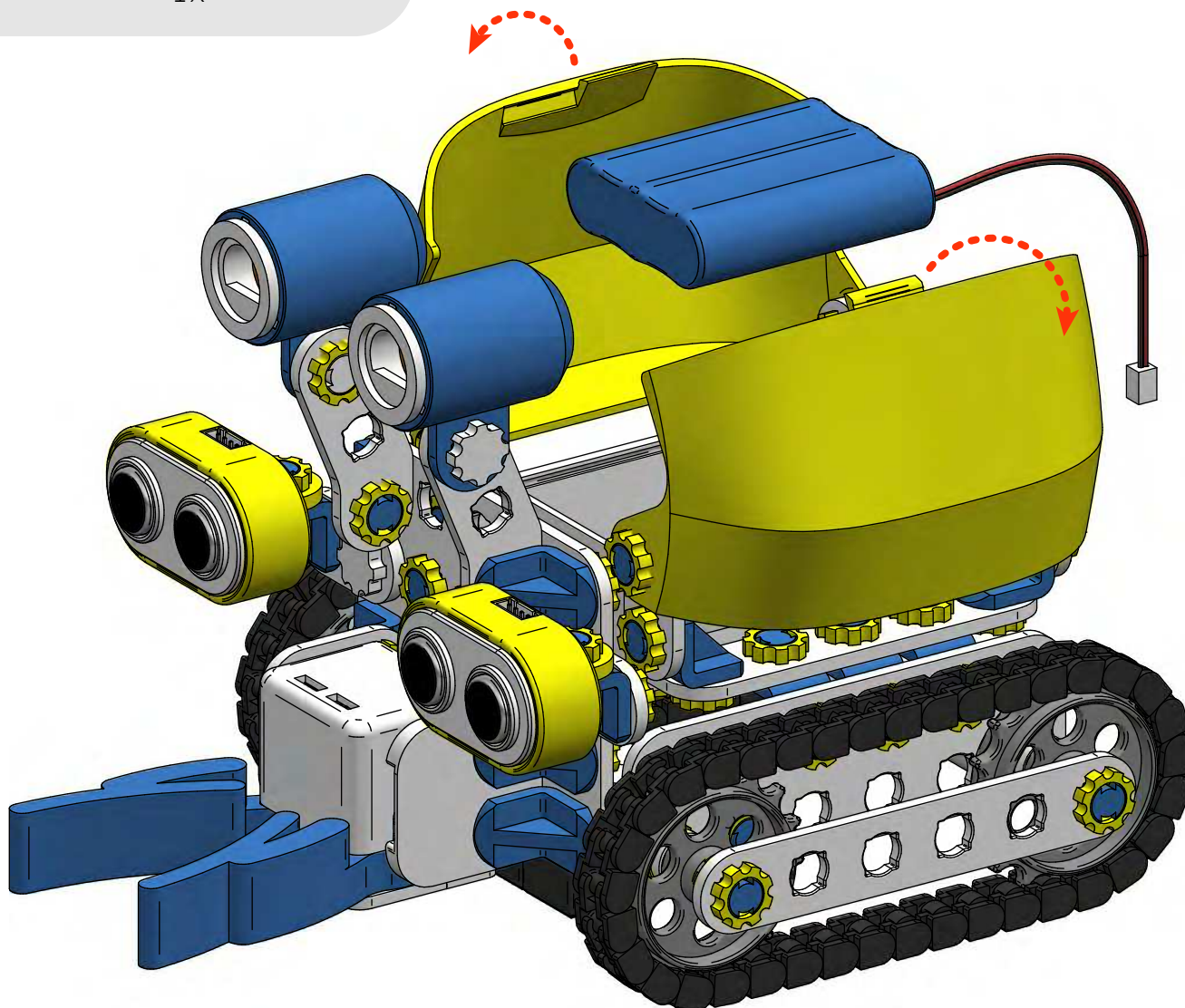
click

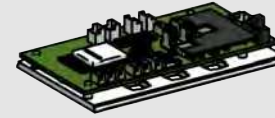
22



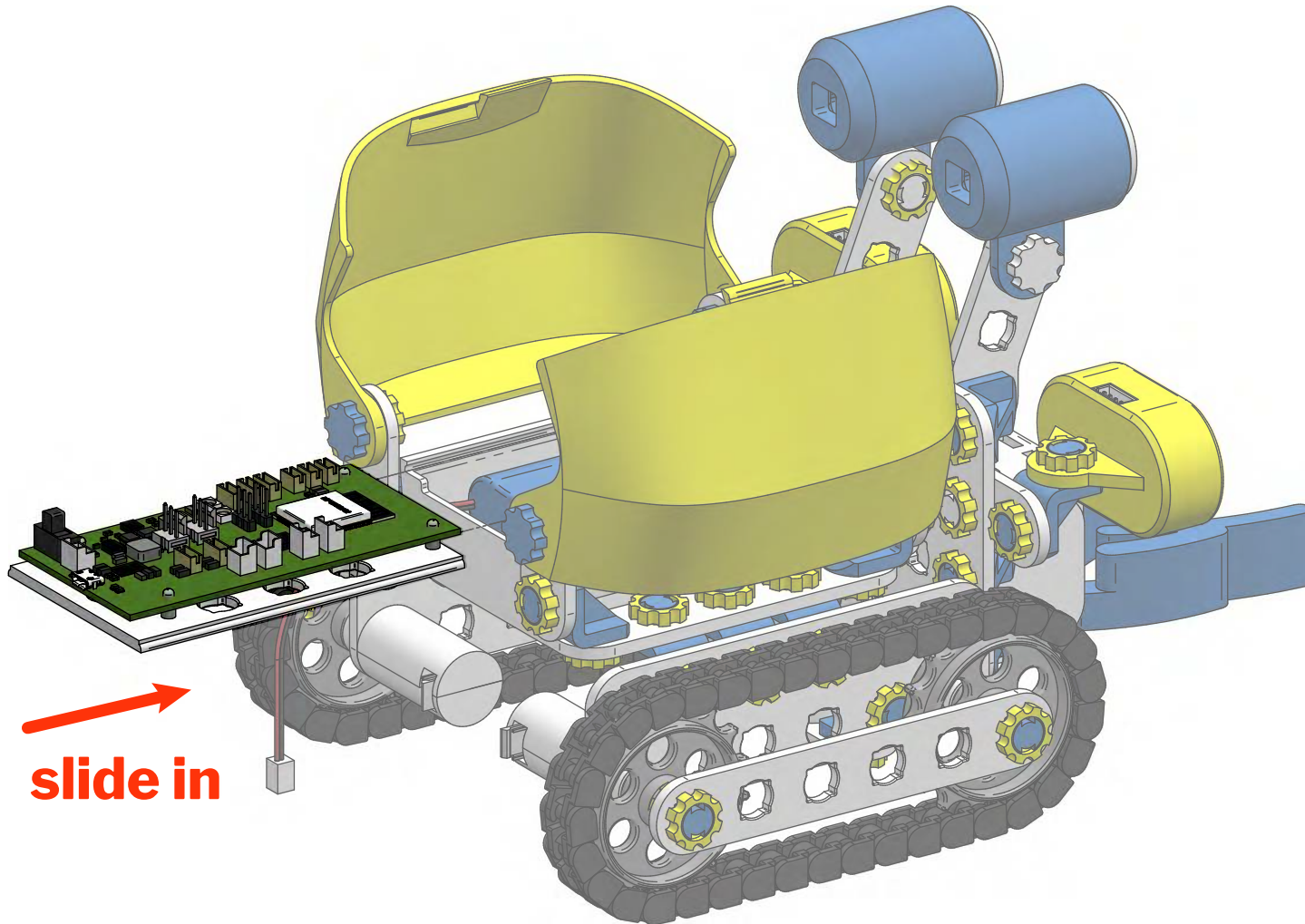
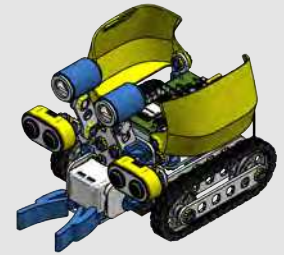
1x

Place the battery into the compartment



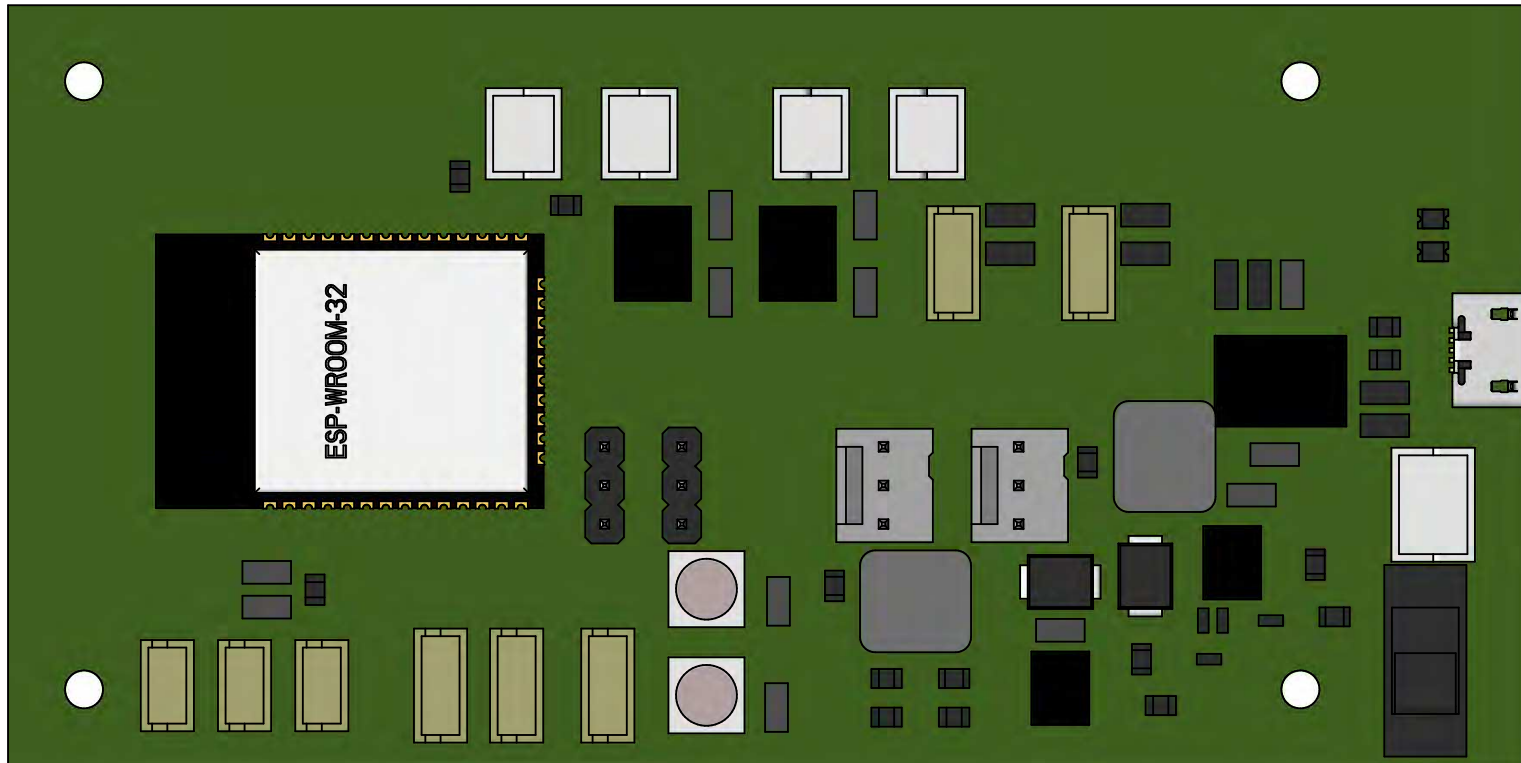


1x



slide in

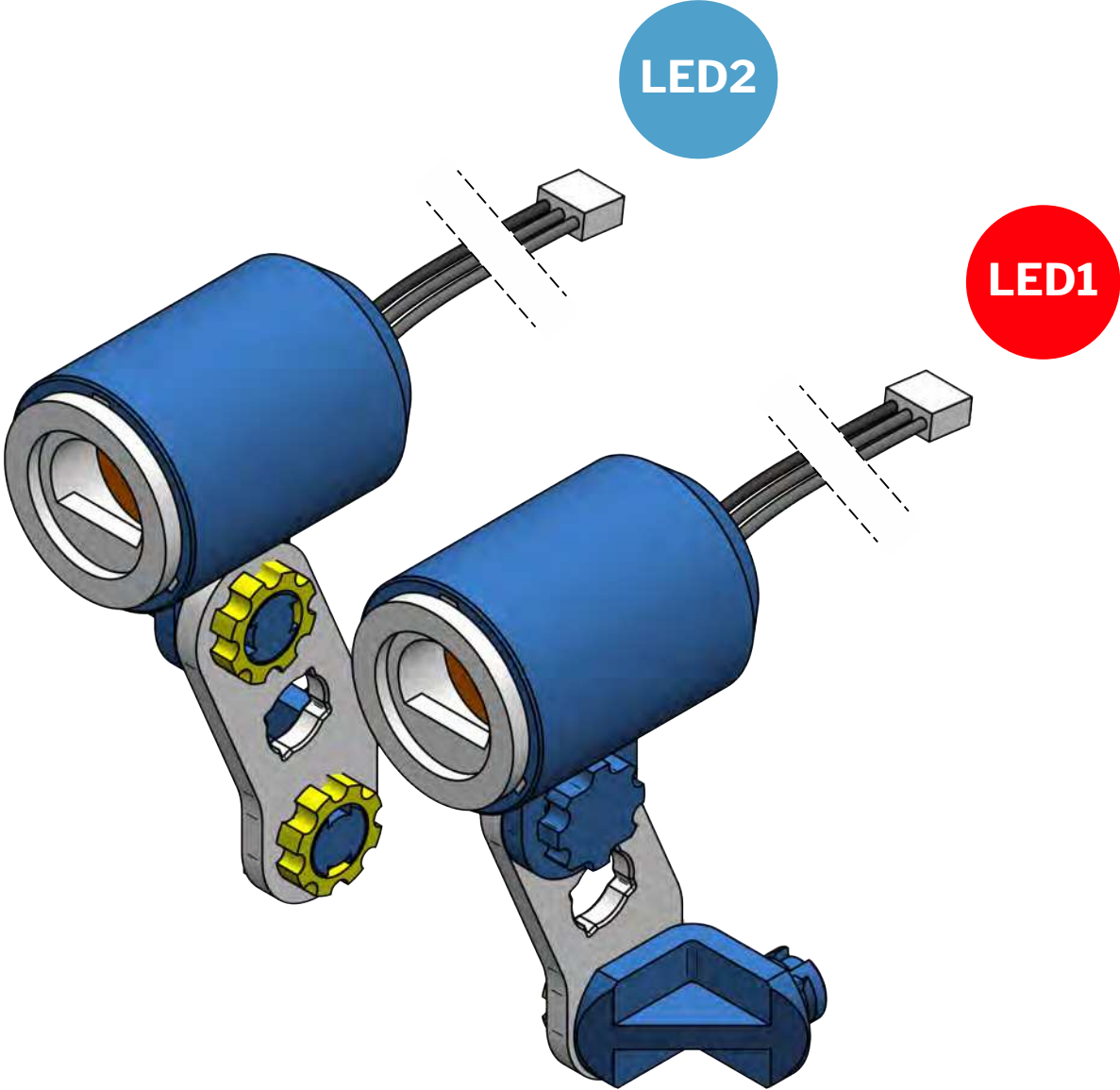
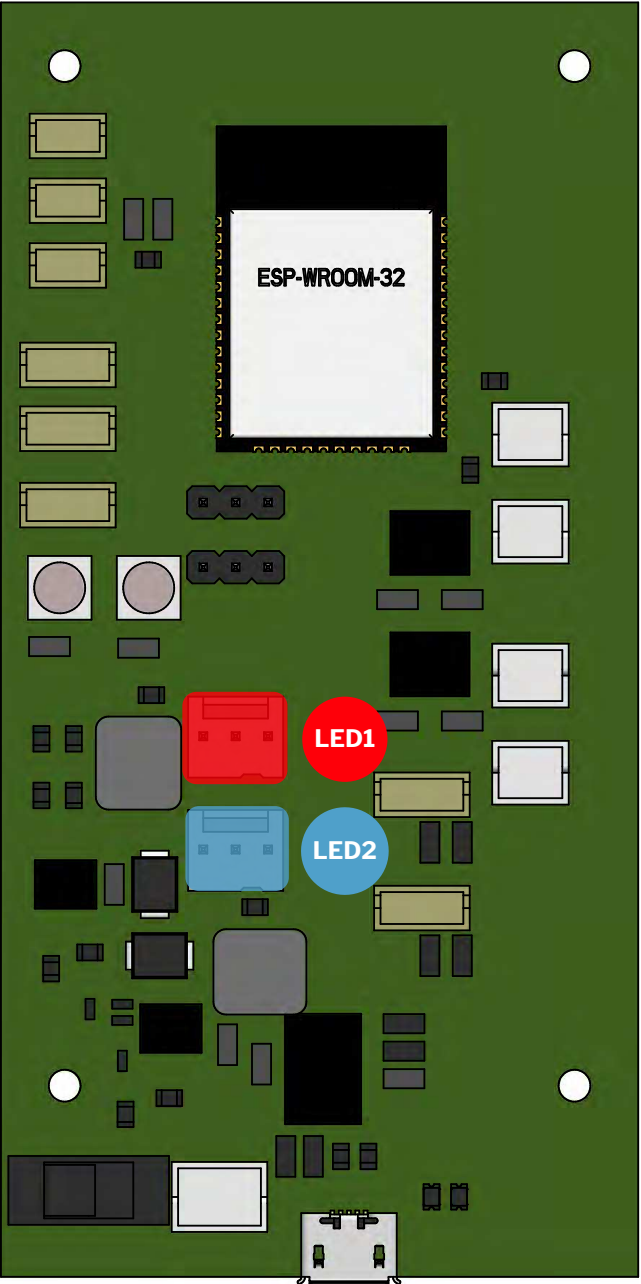
24 ELECTRONICS



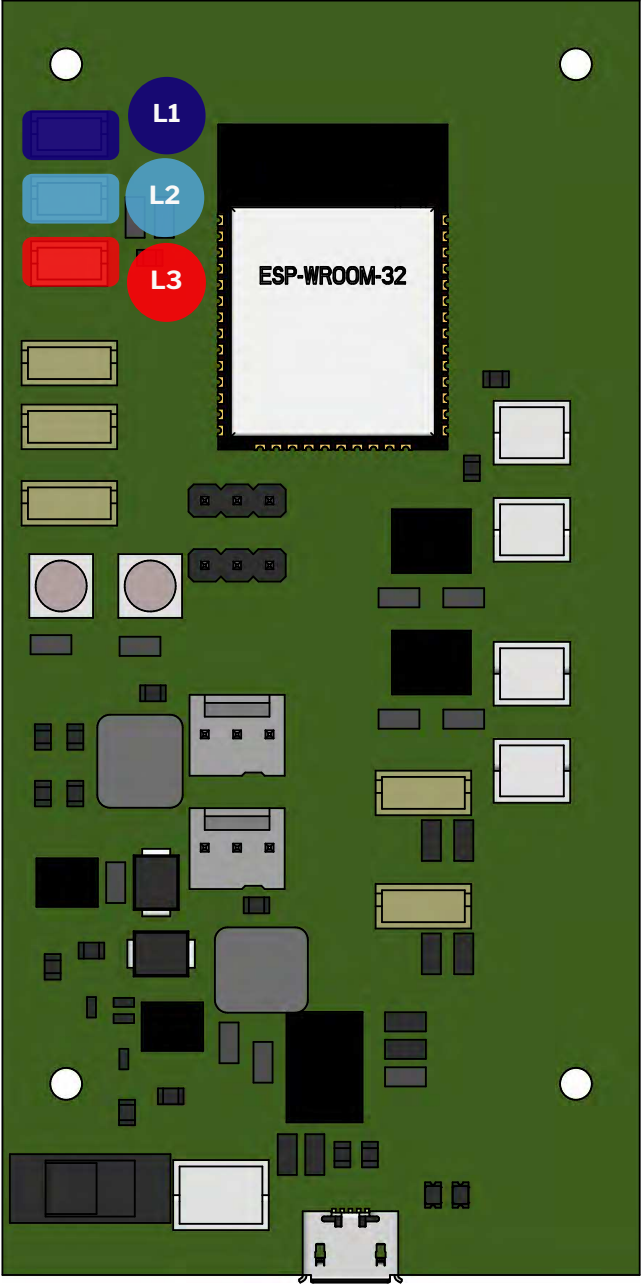
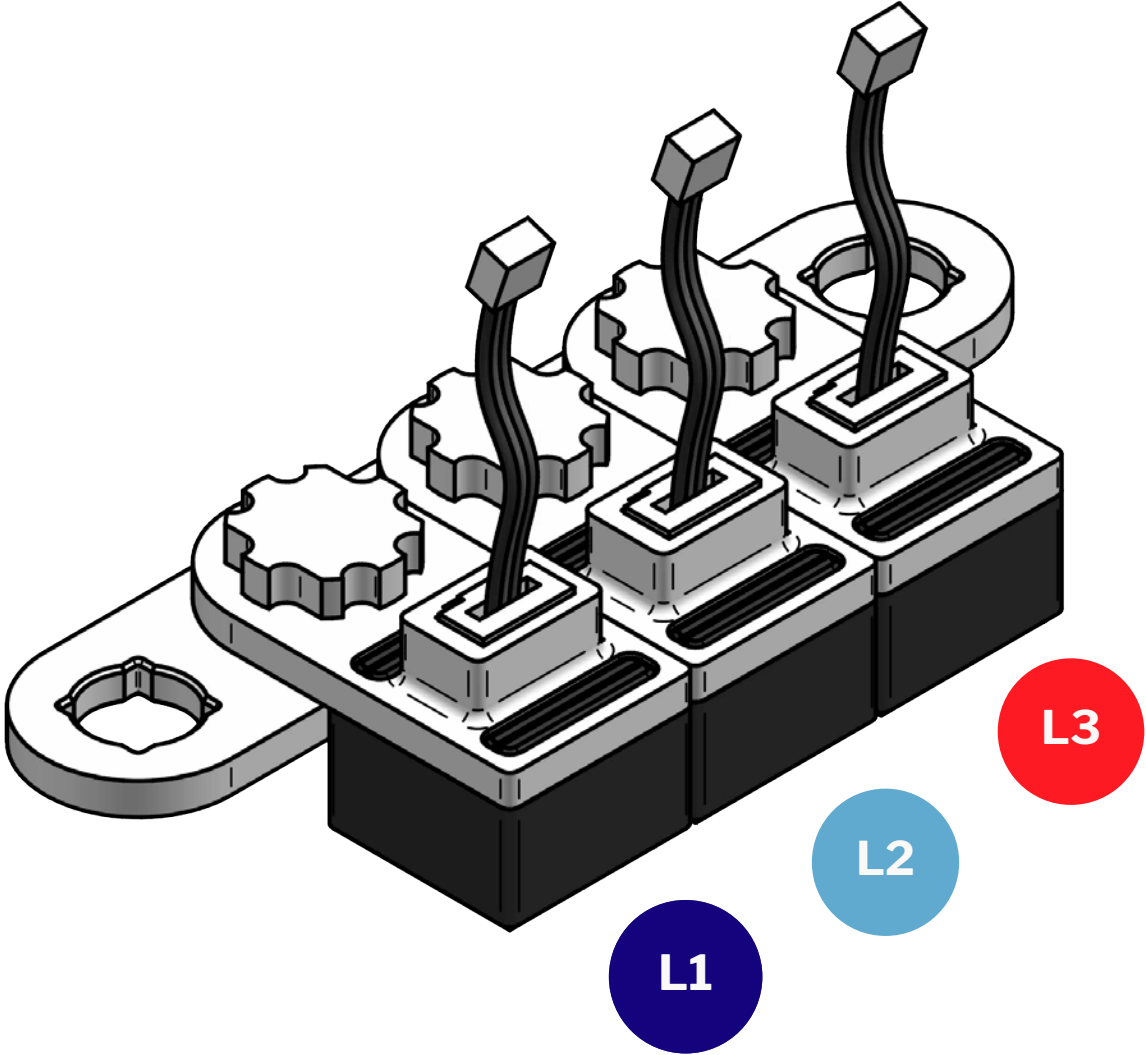
Do not detach Skribrain from its mounting plate.

Turn the power off before removing and plugging any cables!

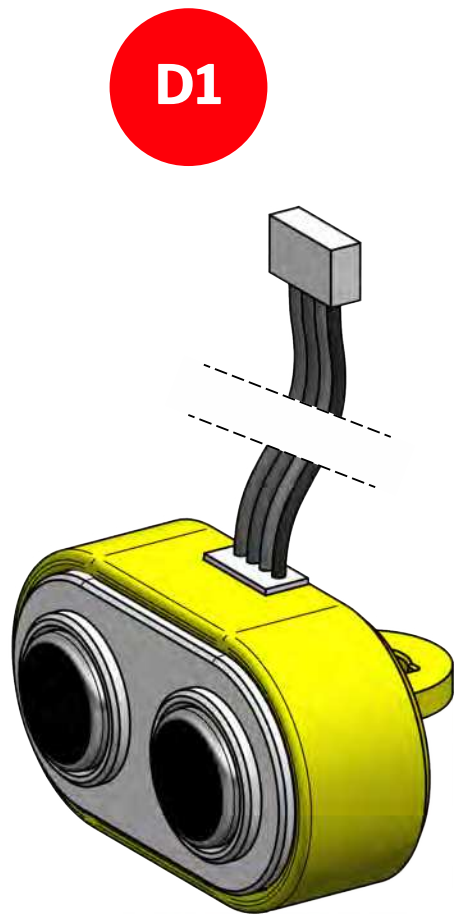
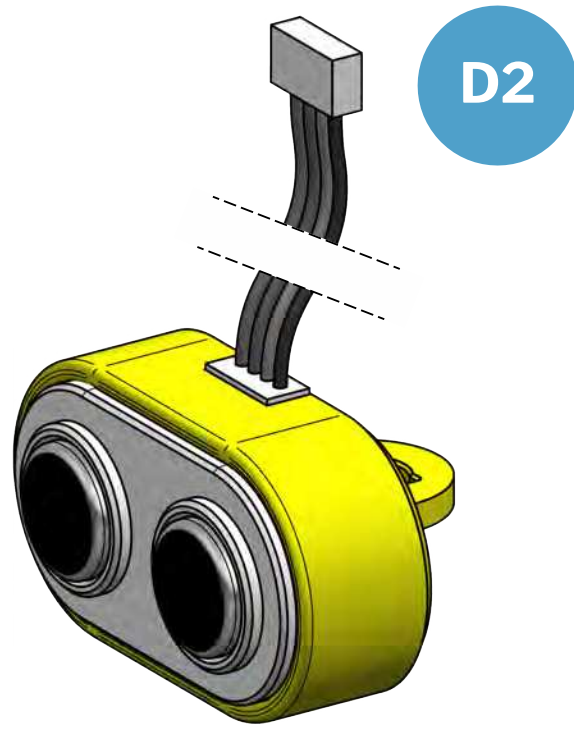
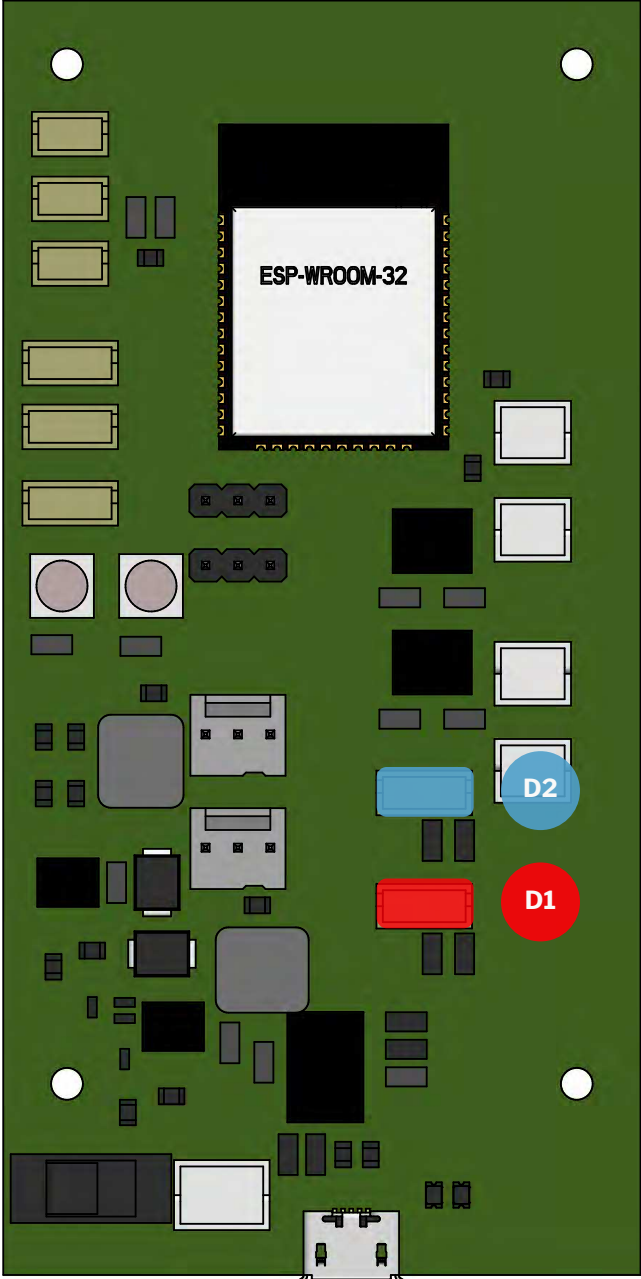
Programmable LEDs



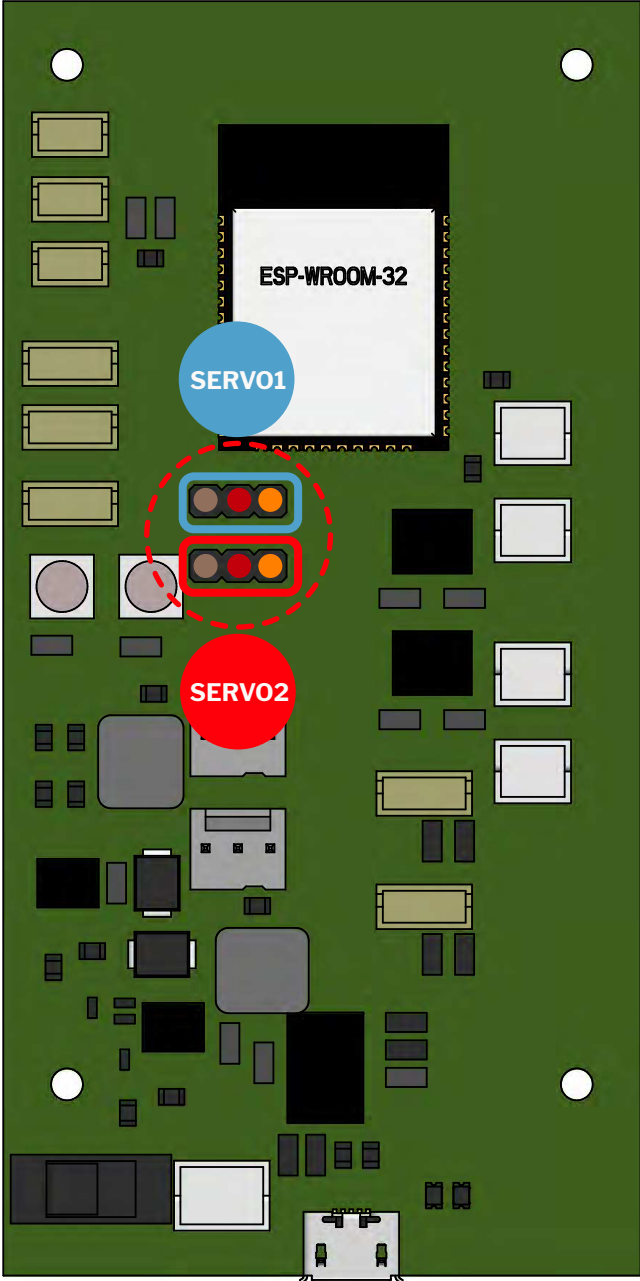
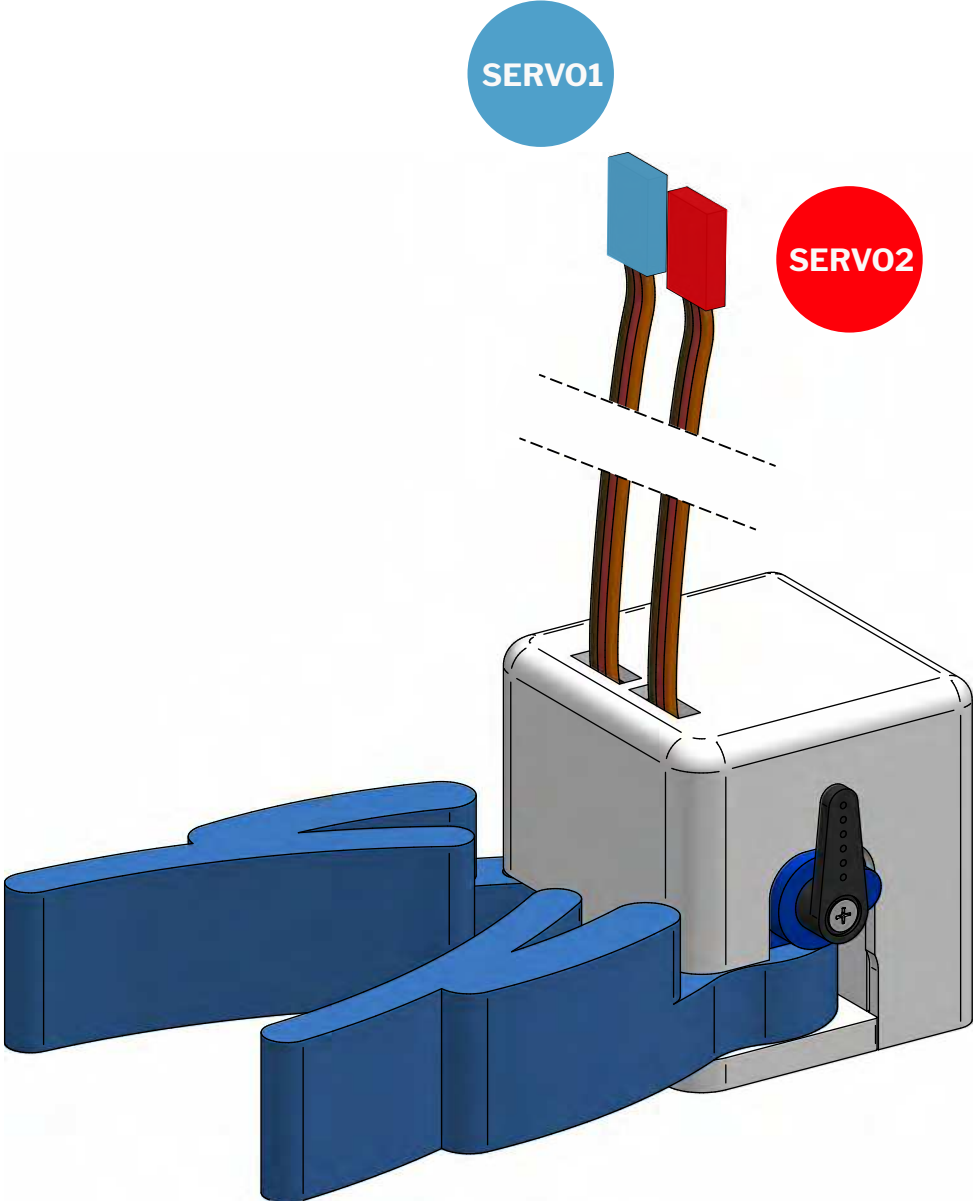
Contrast sensors



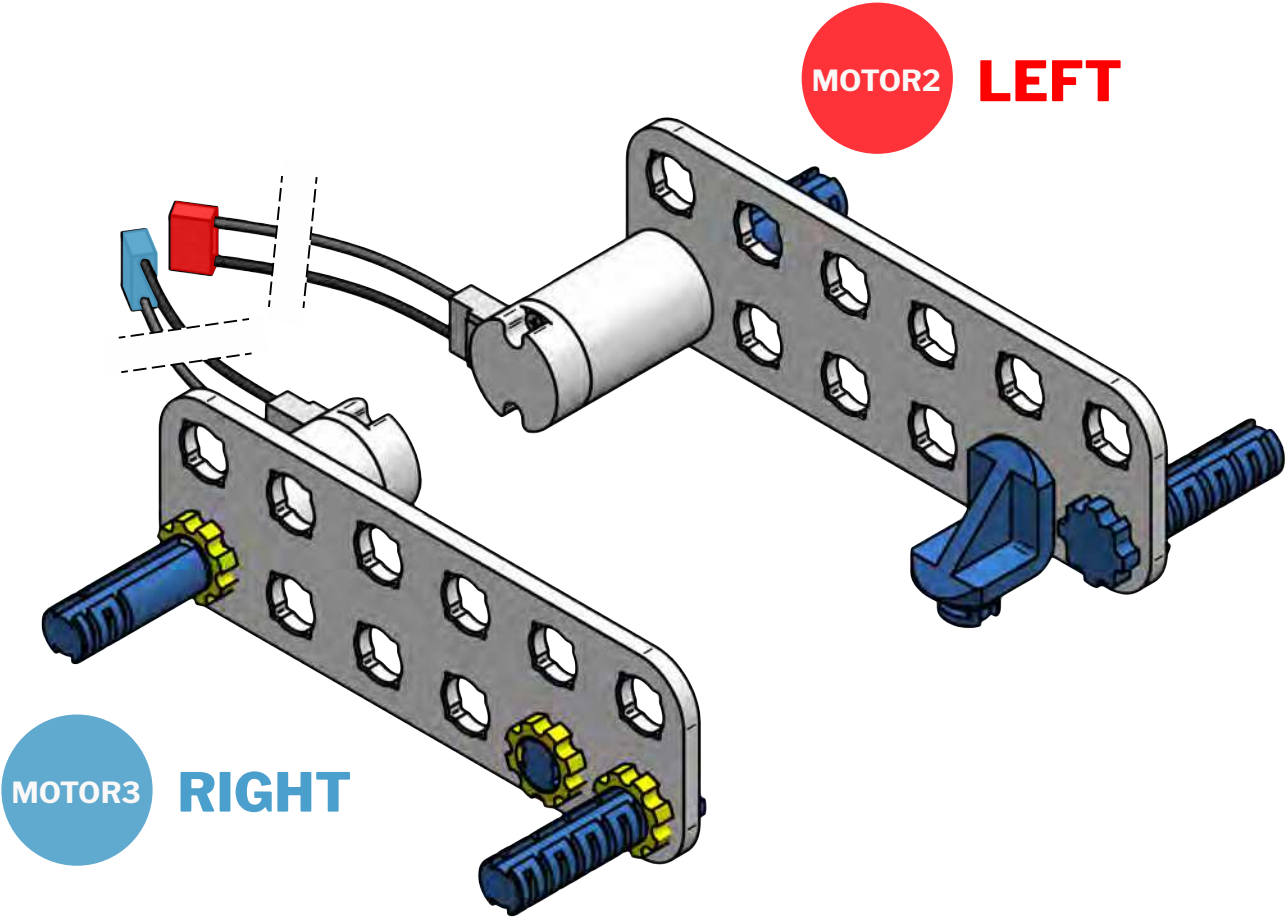
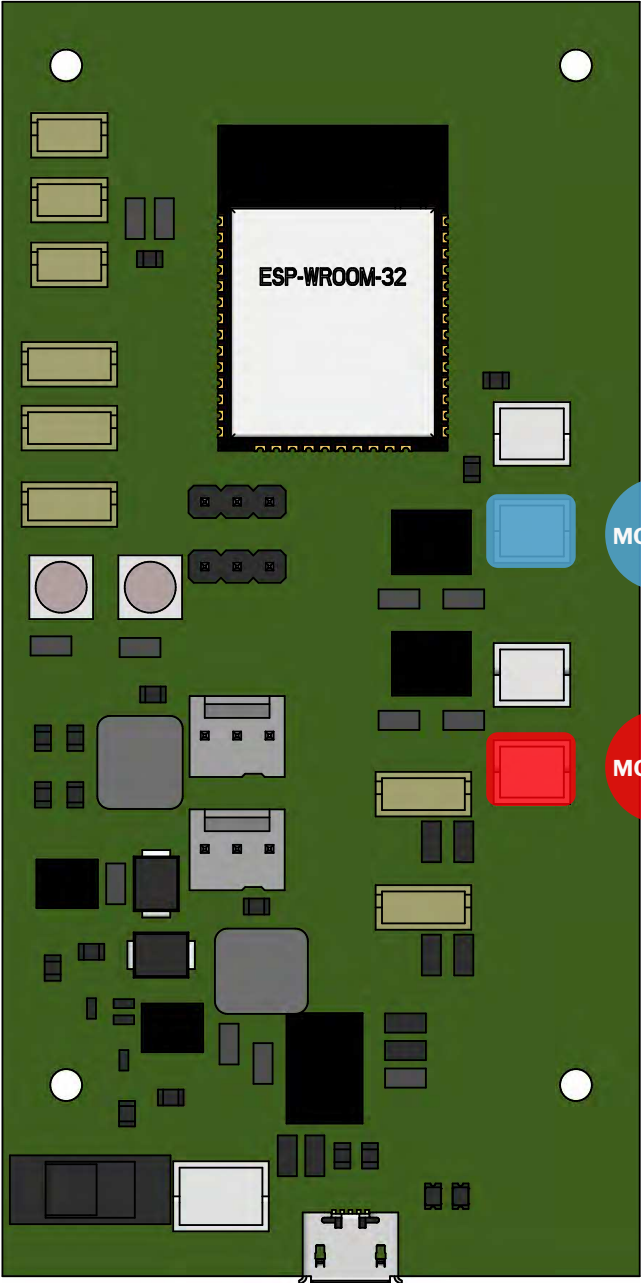
Distance sensors



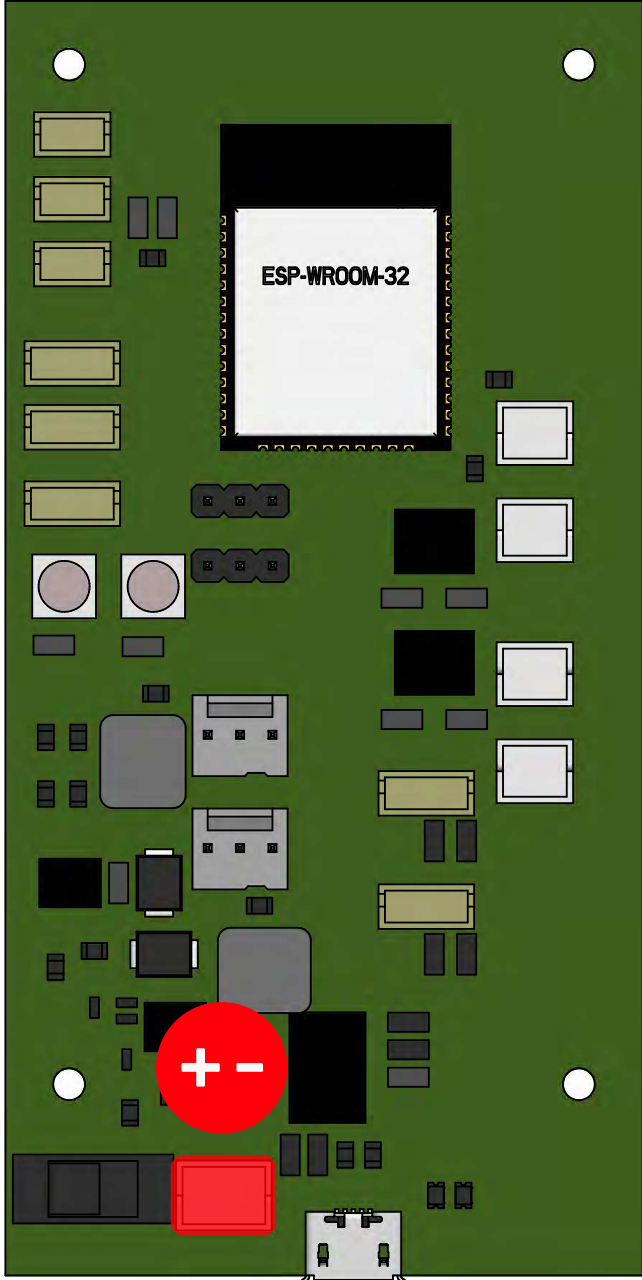
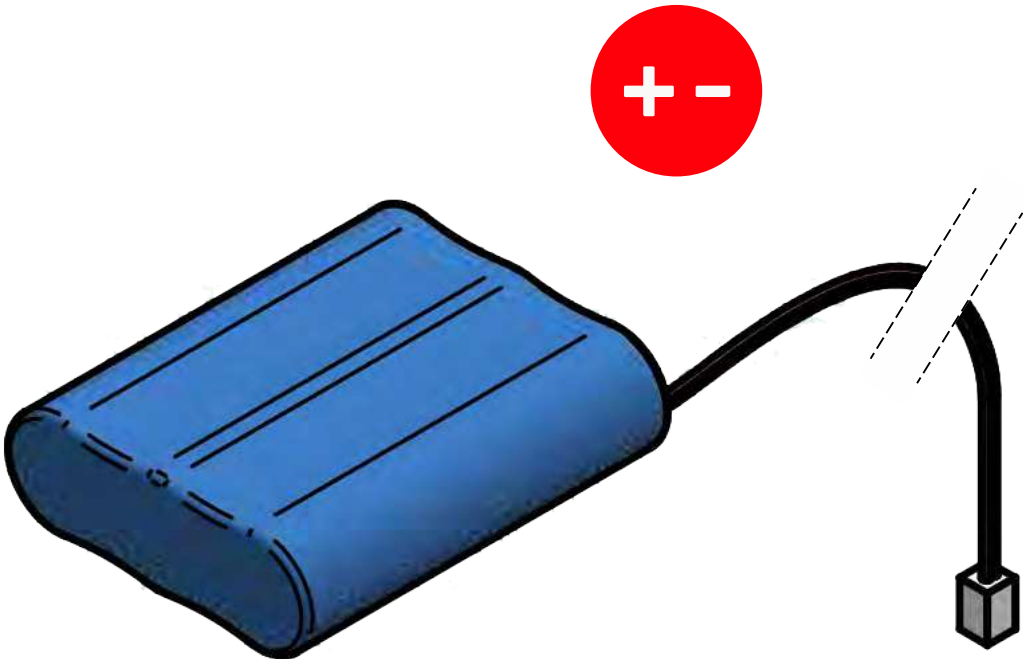
Gripper



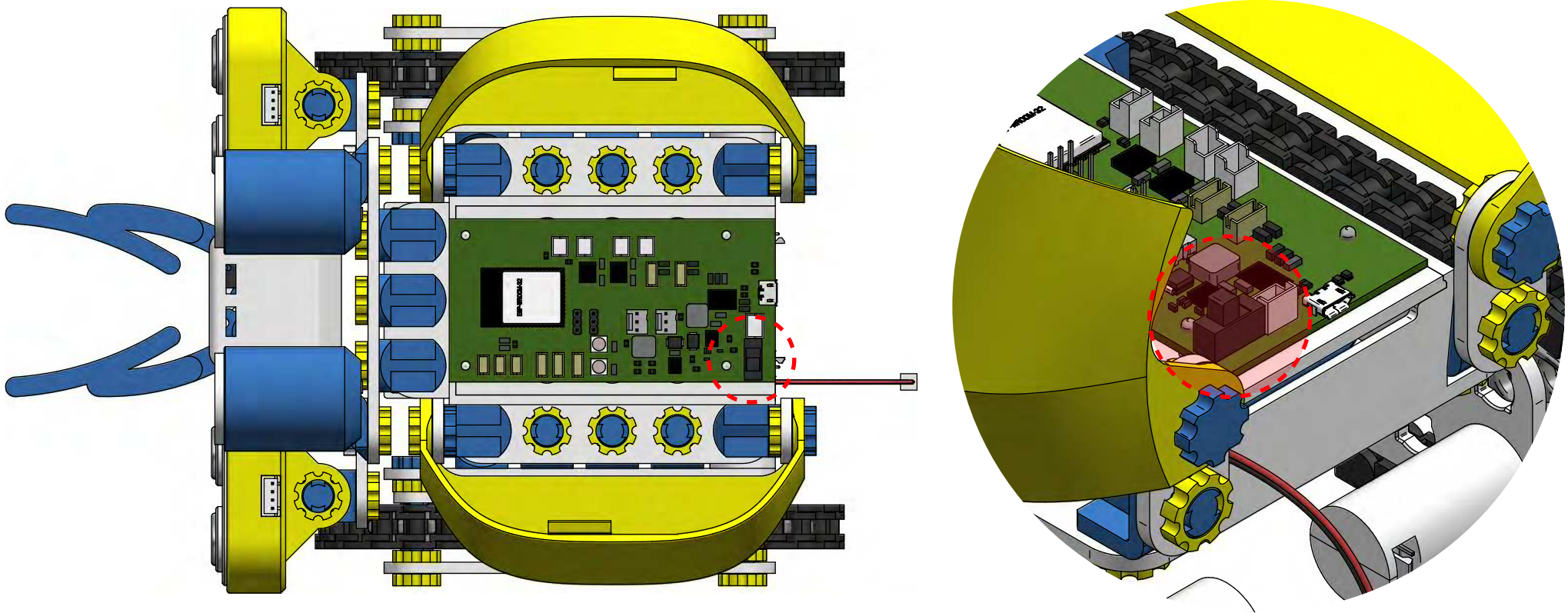
Motors



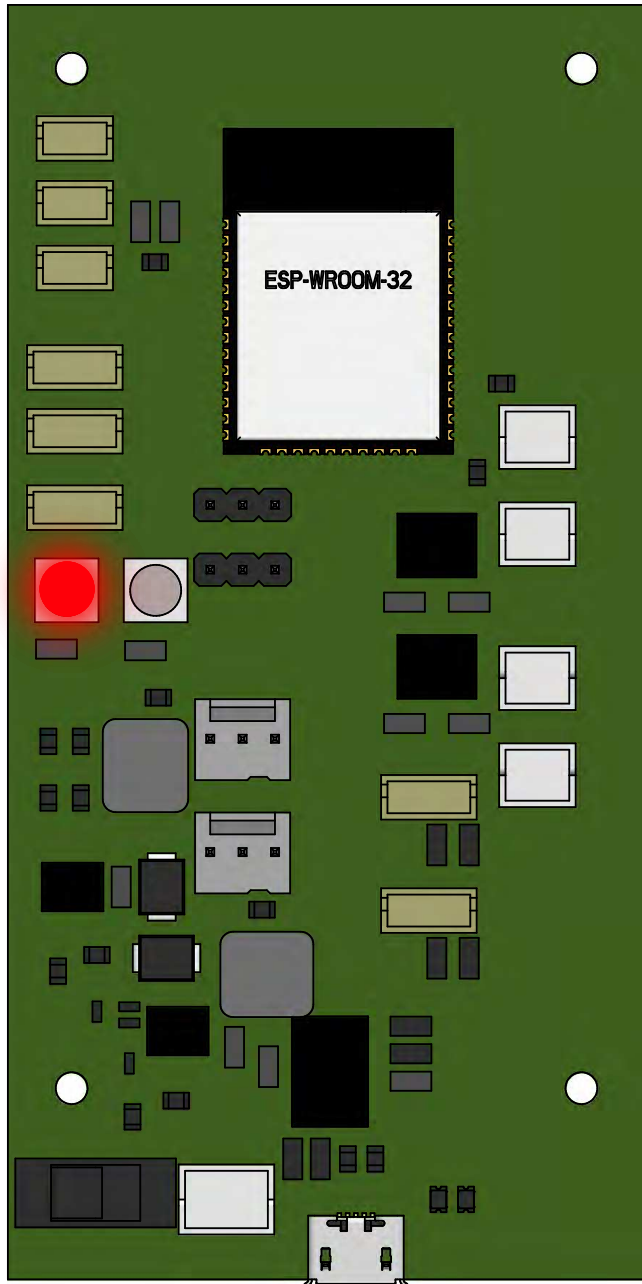
Battery



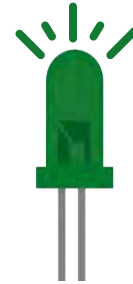
25 Turn on/off Skribot



After making sure that everything is connected correctly, turn on the Skribot with the toggle marked in the picture. Small diode next to the toggle will turn on, indicating that Skribot has a power supply.



LED Battery



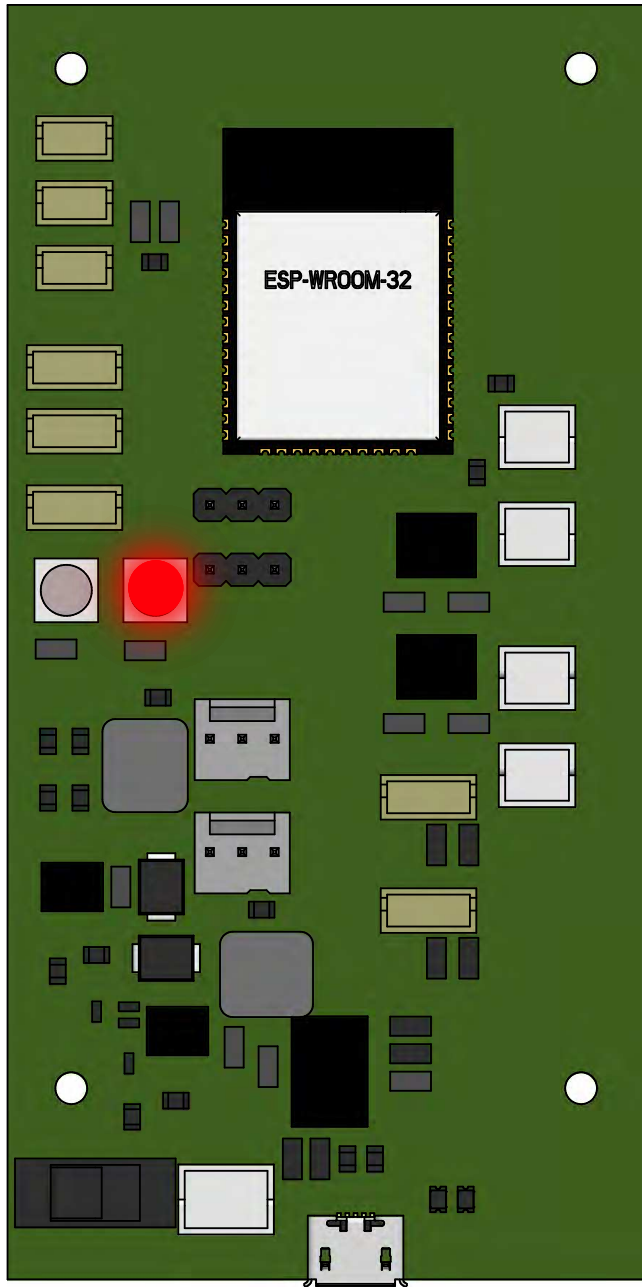
Battery charged



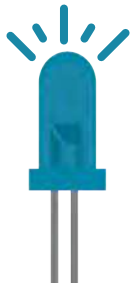
Charge the battery



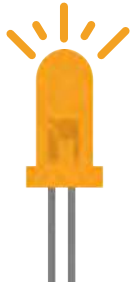
Battery critical! Charge the battery immediately or you risk damaging it.



LED Bluetooth



Skribot paired



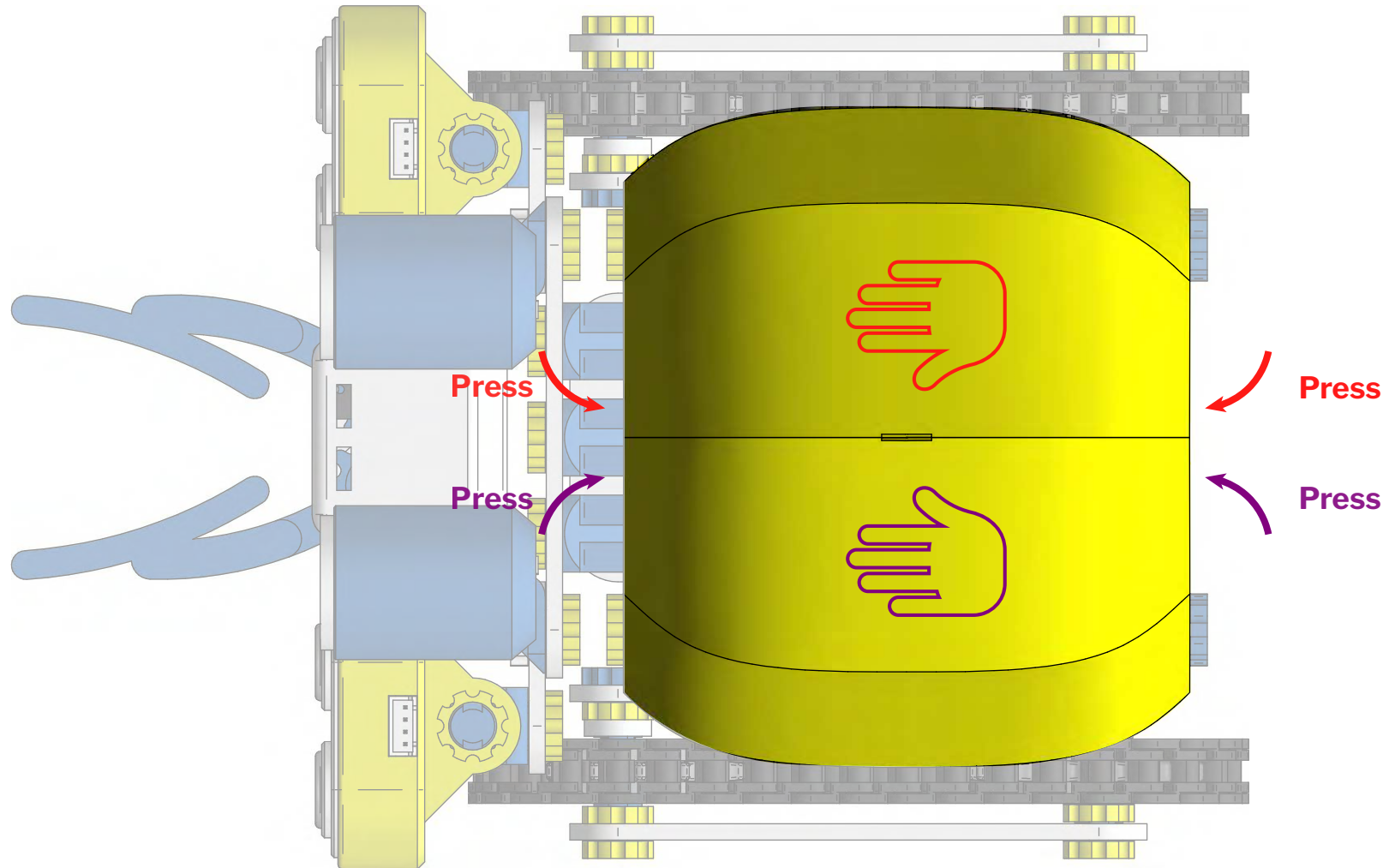
Skribot unpaired



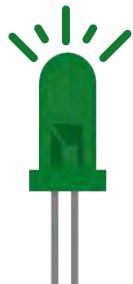
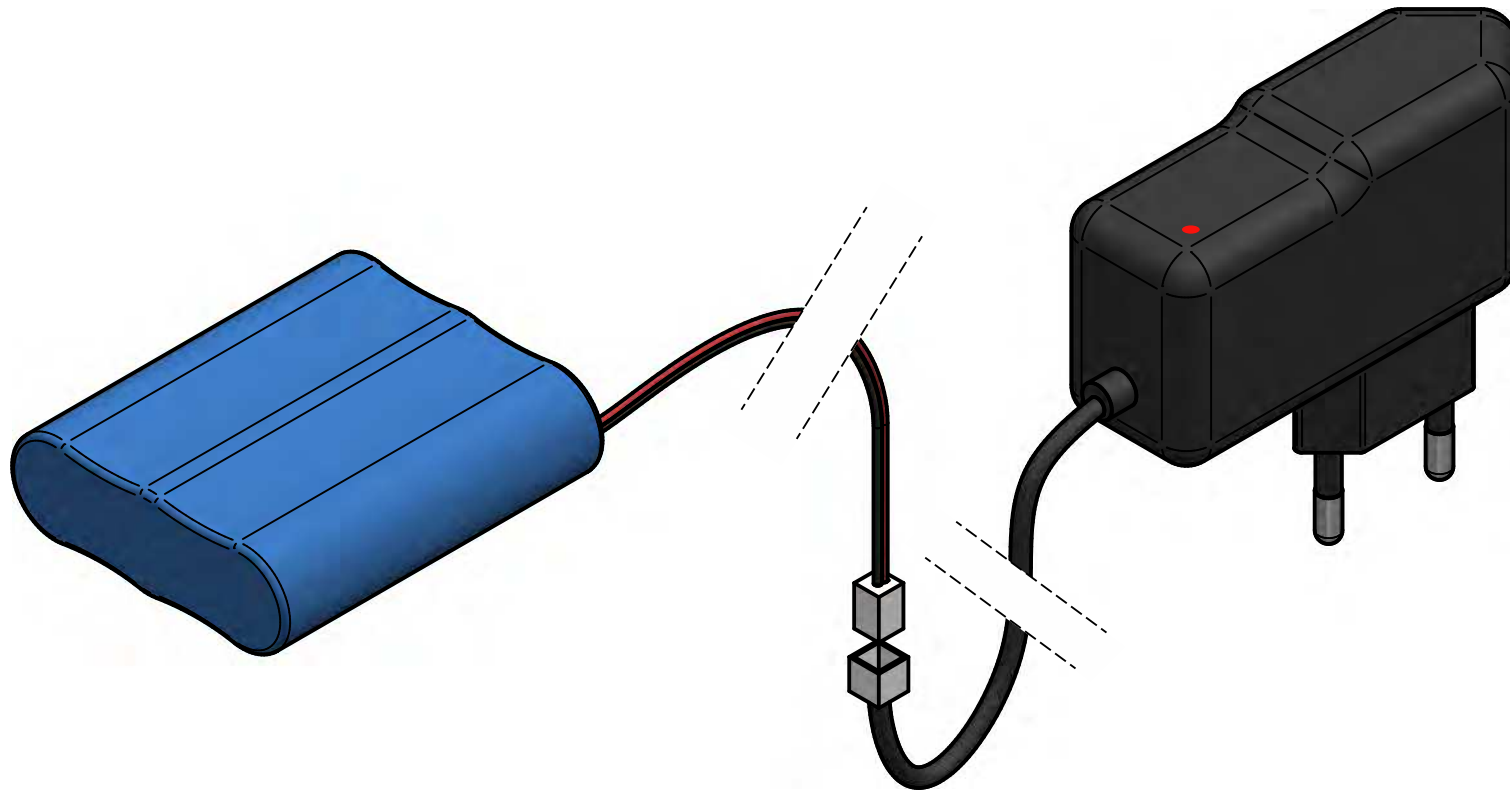
Communication error

Opening the shell

Be aware of the cables



LED Charger



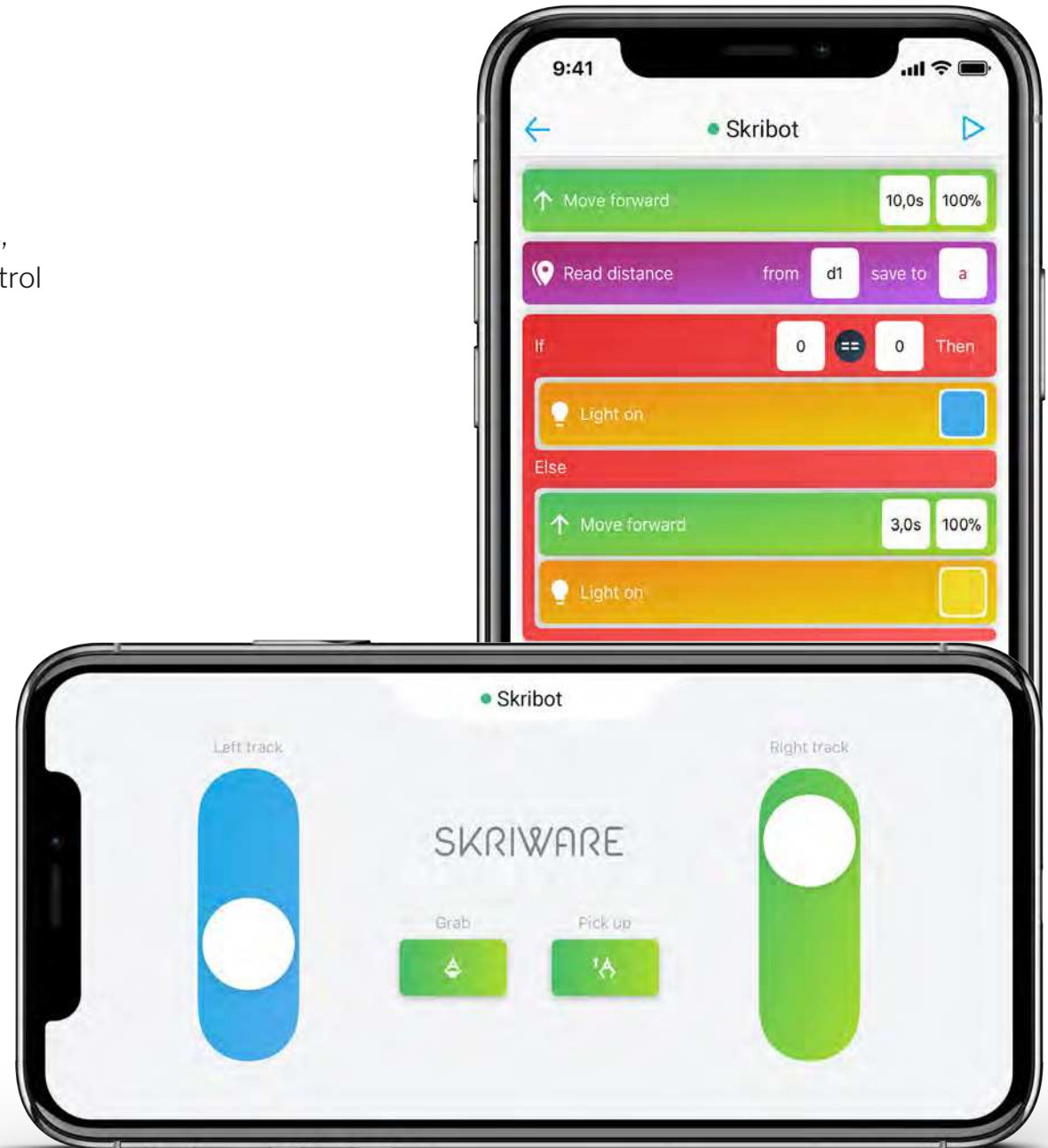
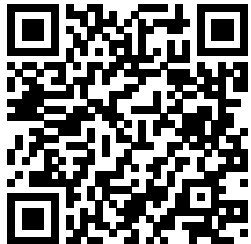
Battery charged



Charging battery

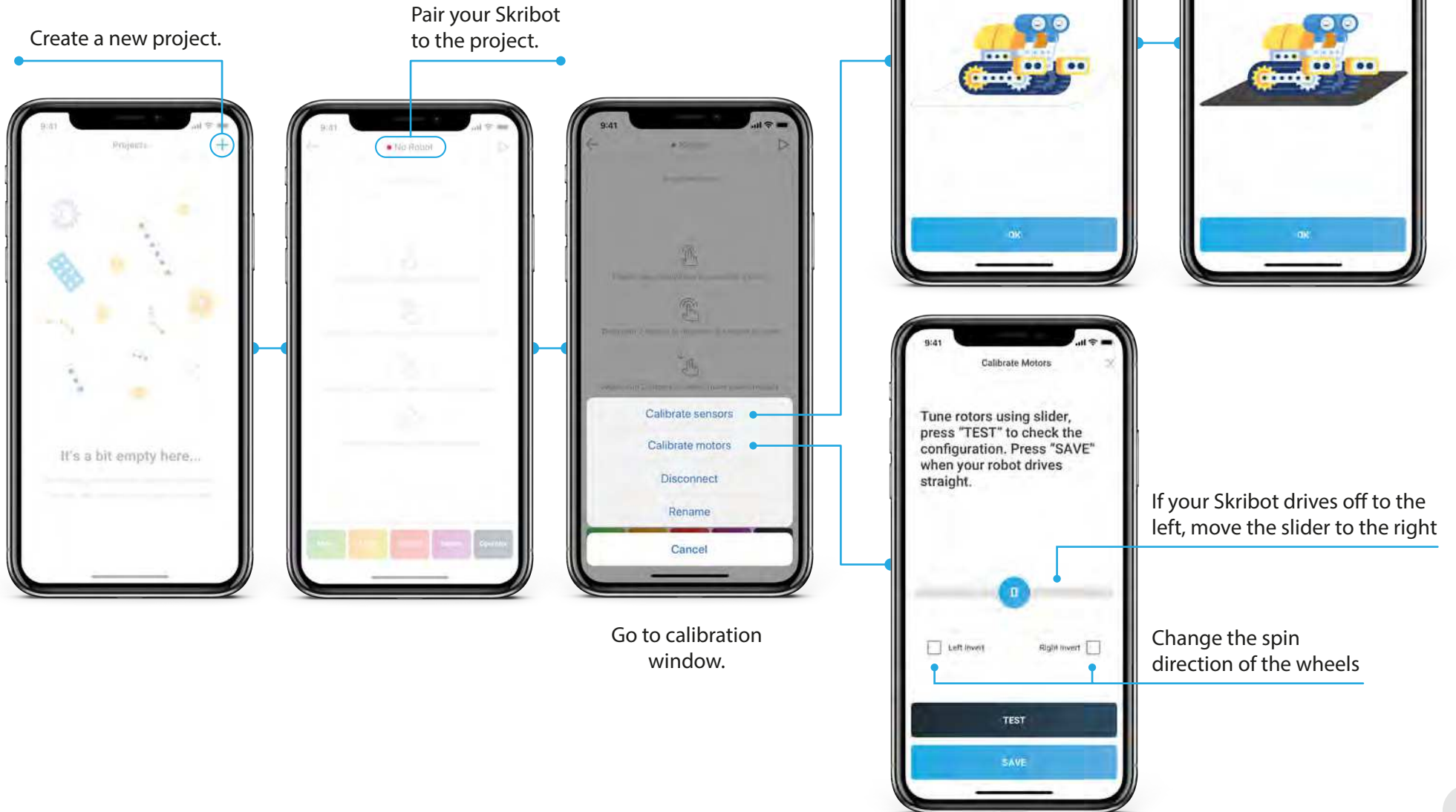
Skribots App

Working with tablet or smartphone compatible with the wide range of iOS and Android devices, Skriware's mobile application allows you to control Skribot remotely and program it using an approachable, graphical interface.



Skribot Calibration

After assembling your Skribot, you should calibrate its motors and contrast sensors to work in your environment.





SKRIWARE

