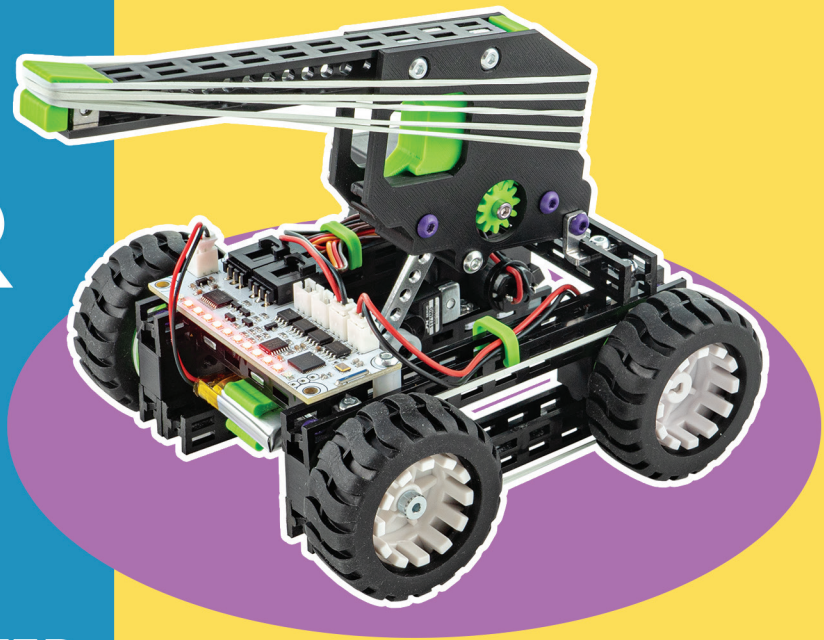
totem

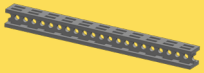
MINI SHOOTER

Assembly guide

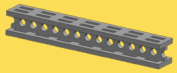
MOTOR-WHEEL PLATFORM WITH RUBBER BAND SHOOTER



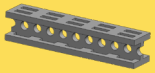
PART LIST



6x Beam 11 cm



1x Beam 7 cm



1x Beam 5 cm



4x 2-hole simple bracket



2x L-twisted bracket



2x L-twisted mirror bracket



1x Strip bracket 45 mm (9 holes)



31x Nut M3 6x10



4x Threaded nylon spacer M3x8 mm



4x Nylon spacer 8mm



3x Cap nut M3



1x Bolt M2,5x8



27x Bolt M3x6



1x Bolt M3x10



4x Bolt M3x16



1x Bolt M3x20



7x Bolt M3x25



2x Shoulder bolt L8 M3x12



2x 43mm D-shaft wheel



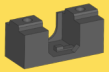
2x 43mm O-shaft wheel



4x 43mm wheel ring (3D)



2x 43mm wheel bracket (3D)



2x N20 motor bracket 4 (3D)



2x N20 motor 75:1 6V 400 rpm



1x Pistol left half (3D)



1x Pistol right half (3D)



1x Mini servo motor with arm and bolt



1x Mini servo motor



1x Trigger (3D)



1x Washer 2,5mm (3D)



1x Battery holder (3D)



1x Trigger gear (3D)



1x Hook (3D)



3x Cable clip



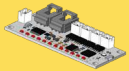
22x Rubber band 40mm



1x Mini battery 3,7V



1x Mini battery charger



1x Mini Control Board X3



1x Socket wrench (3D)



1x Hex key 2mm

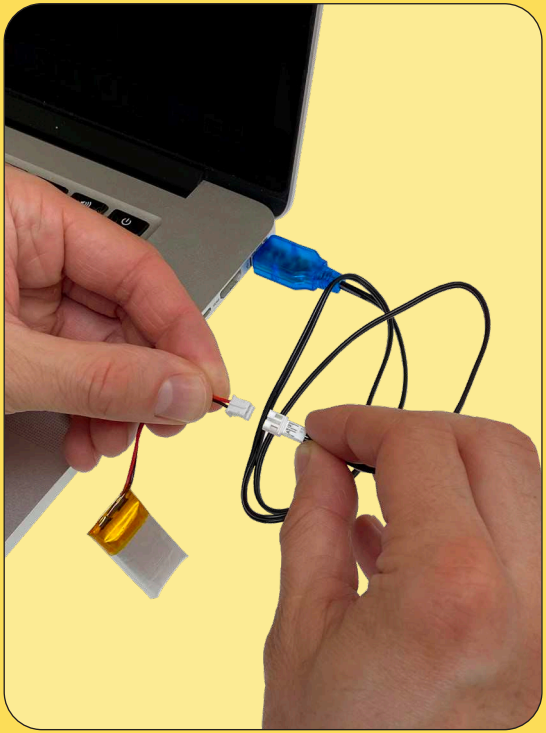
1x Totem screwdriver

START WITH CHARGING THE BATTERY

BATTERY CHARGING:

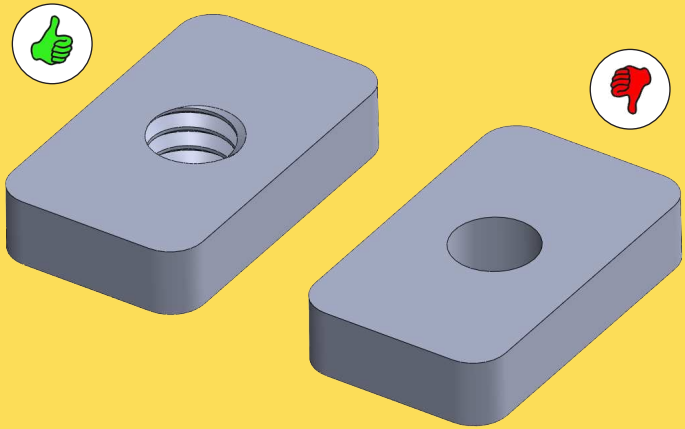
Rechargeable battery must be charged by adult only.

- The new battery pack needs to be charged before use.
- Connect the USB charging cable to 5V USB power source, such as a laptop.
- Connect the battery to the charger. The charger will show a red LED light when charging the battery. When the battery is fully charged, the red LED light turns off.
- To disconnect cables, hold the connectors of both cables and pull apart.
- Do not attempt to overcharge the battery.



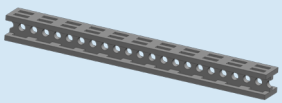
Some of the nuts (~1%) are missing threads. This is a manufacturing issue. We are trying to minimize the fault.

In the meantime, we supply extra nuts in your kit. We apologize for the in-convenience.

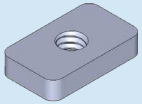


1

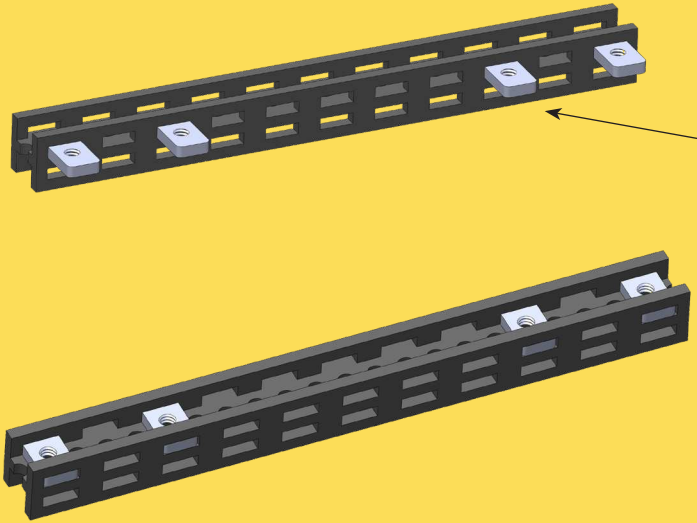
You will need in this step:



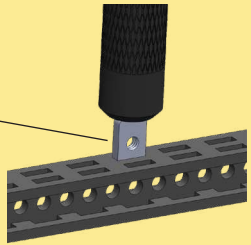
1x Beam 11 cm



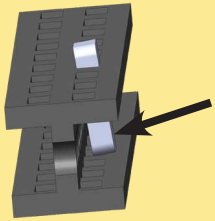
4x Nut M3 6x10



Pro tip:

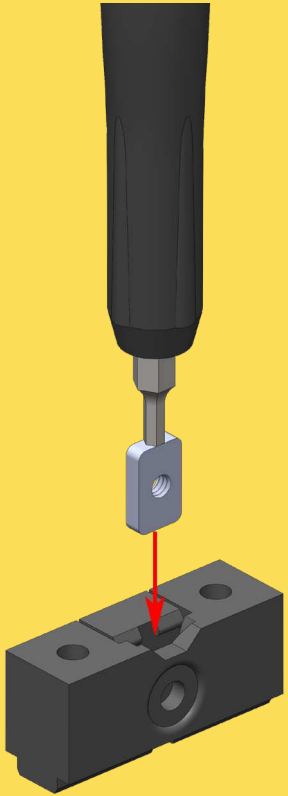


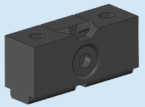
1. Use the back of the screwdriver to push in the nuts.



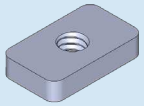
2. After entering the first slot, nuts tend to tilt. Use your thumb to push it back straight, and then again use the screwdriver to insert the nut all the way in.

2



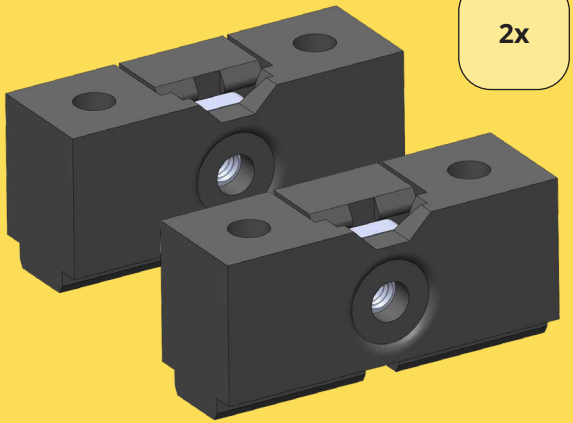


2x Wheel bracket



2x Nut M3 6x10

2x



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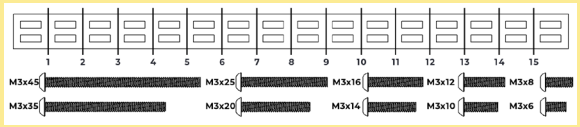
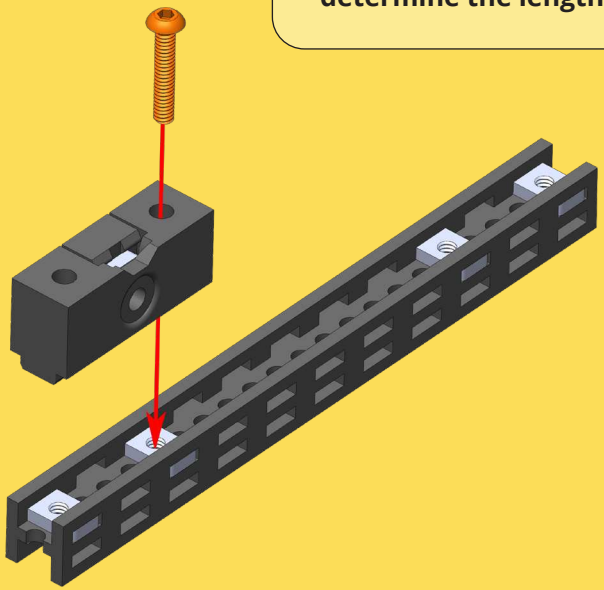
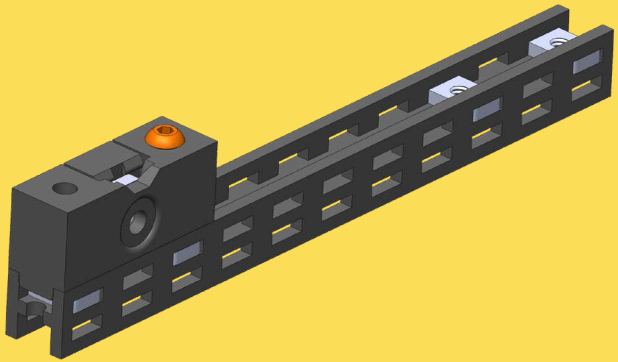


You can also use Beam/Bolt ruler to determine the length of beams and bolts



1x Bolt M3x16





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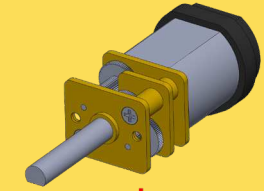
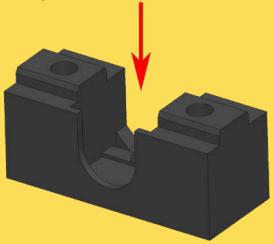
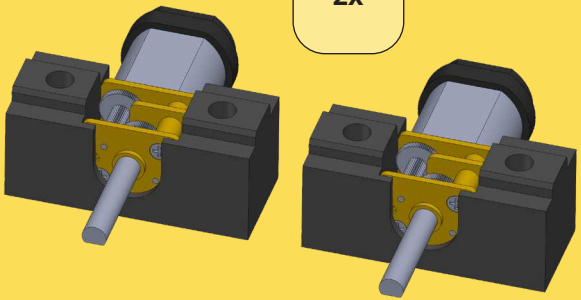
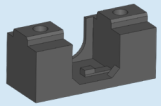


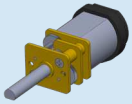


2x



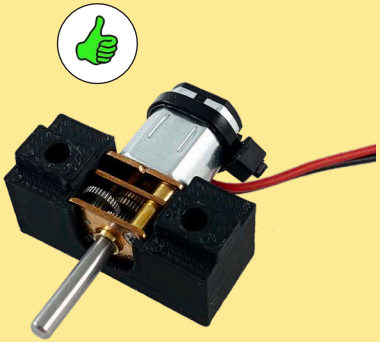


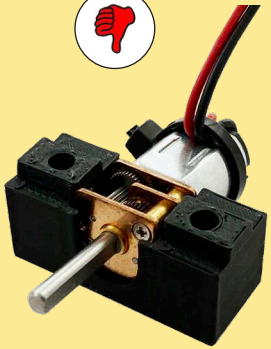
2x N20 motor bracket



2x N20 motor

Position of the motor - cables down





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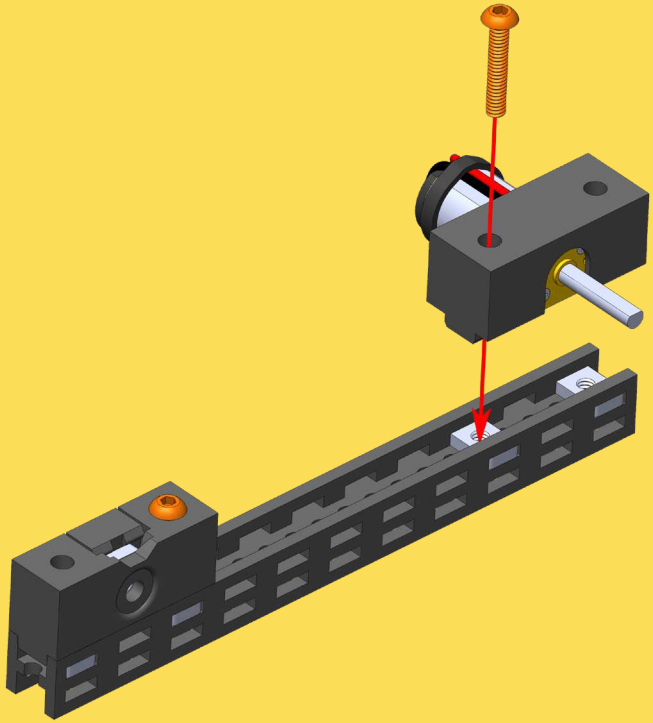

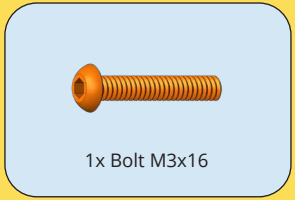

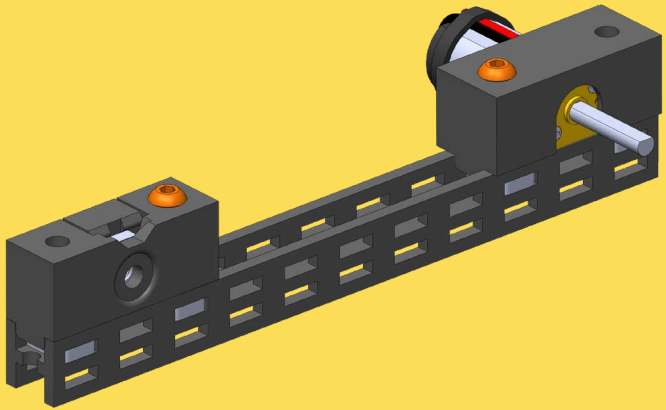

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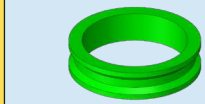


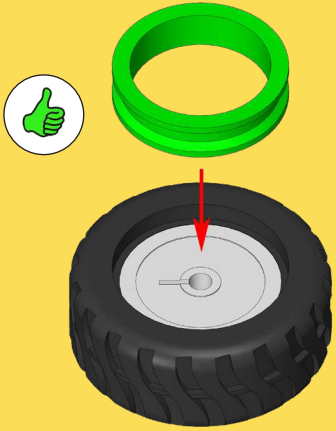
4x Wheel ring



2x 43mm O-shaft wheel

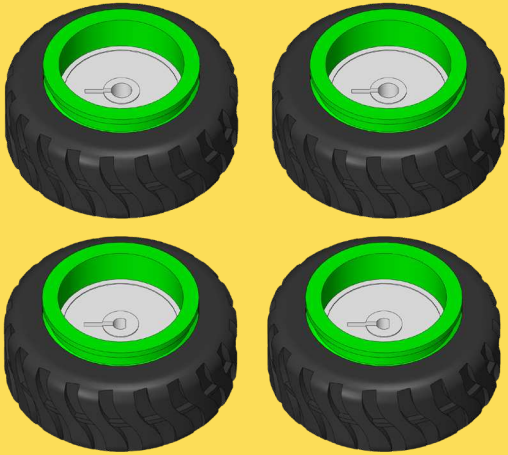


2x 43mm D-shaft wheel



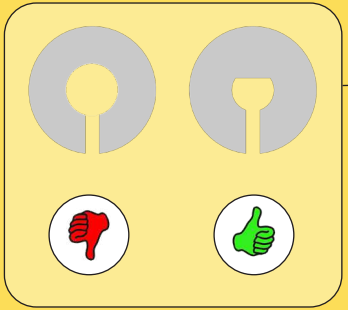


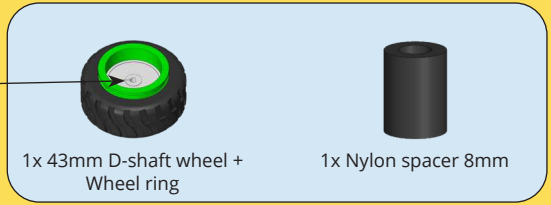
Up-side down

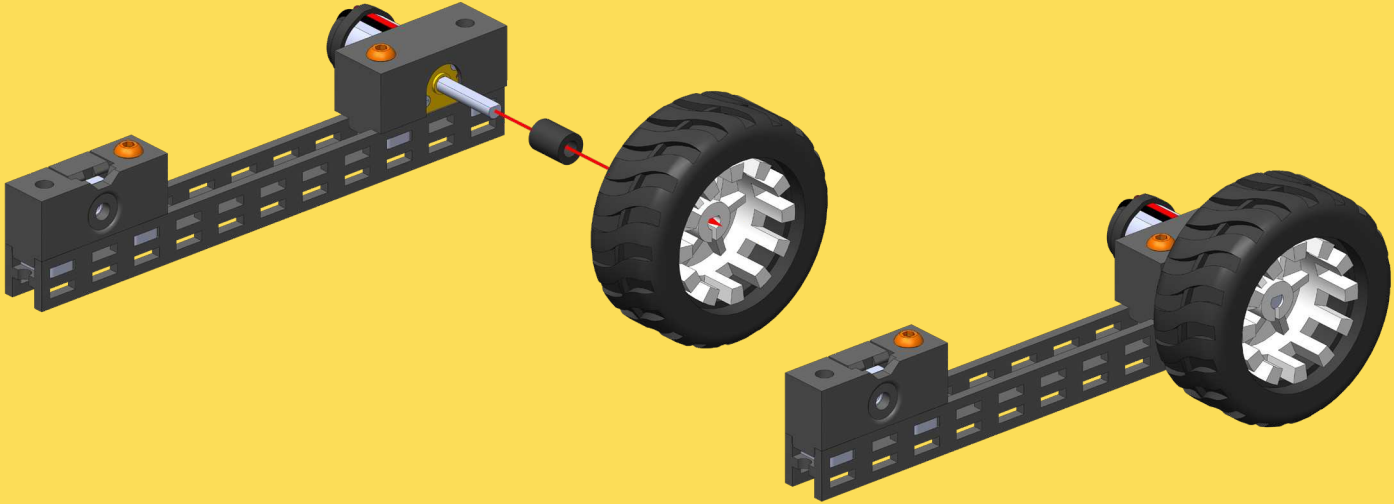


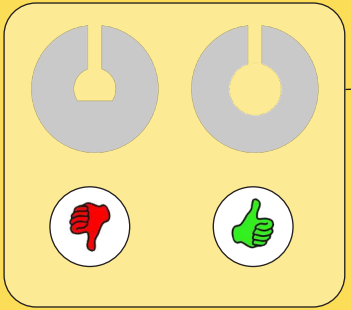
Make sure the rings sit tightly

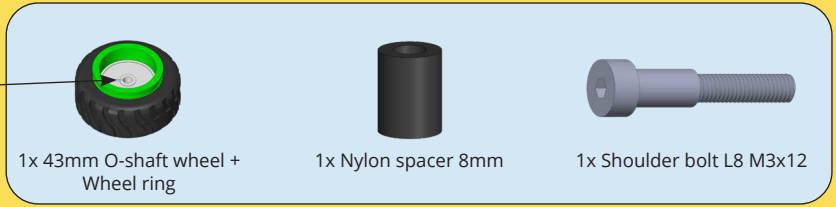
7

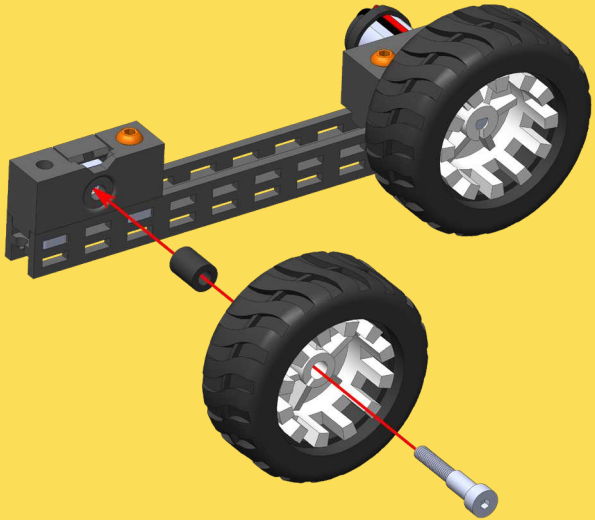


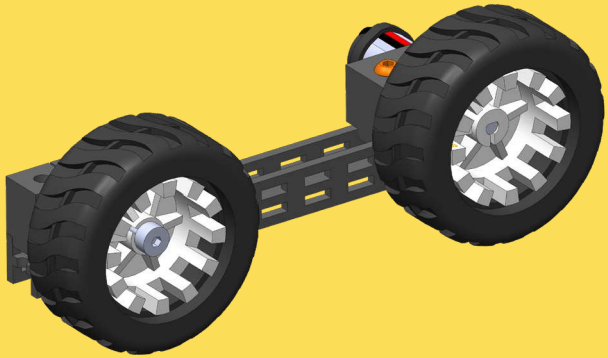







1x 43mm O-shaft wheel +
Wheel ring
1x Nylon spacer 8mm
1x Shoulder bolt L8 M3x12





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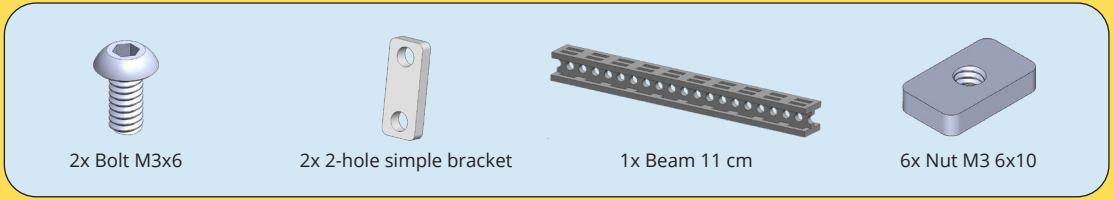
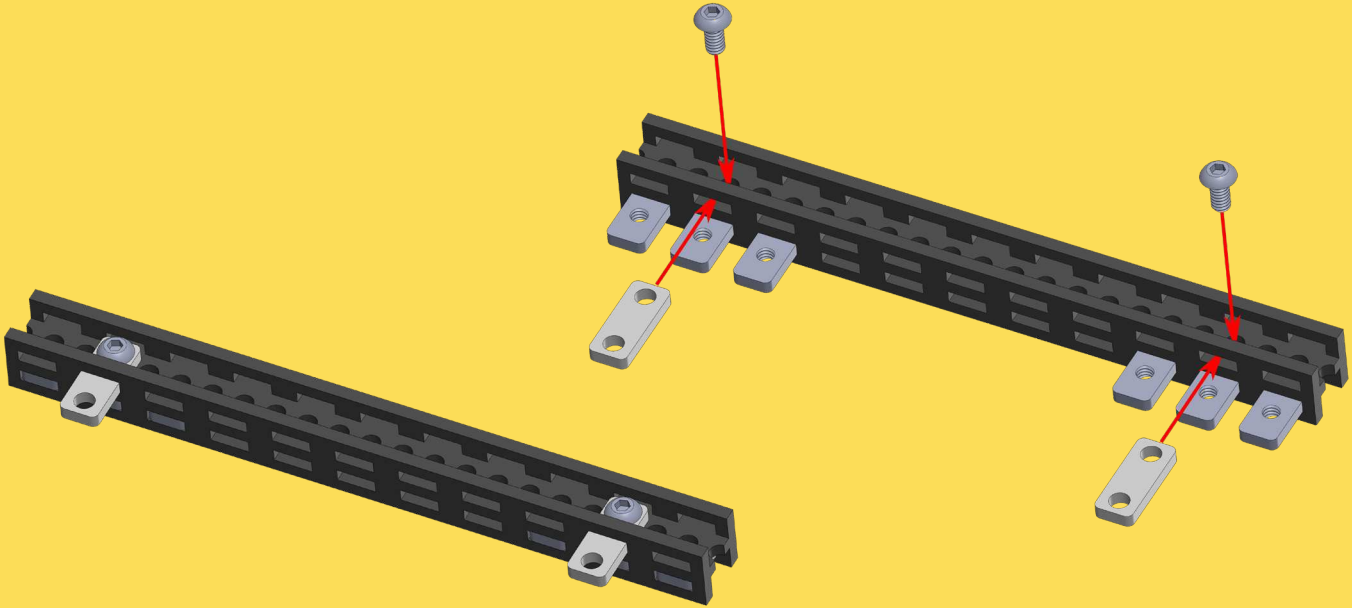

2x Bolt M3x6
2x 2-hole simple bracket
1x Beam 11 cm
6x Nut M3 6x10



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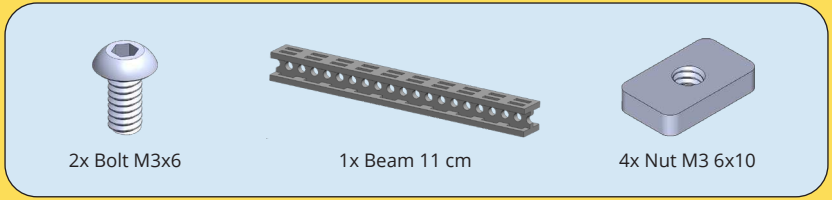
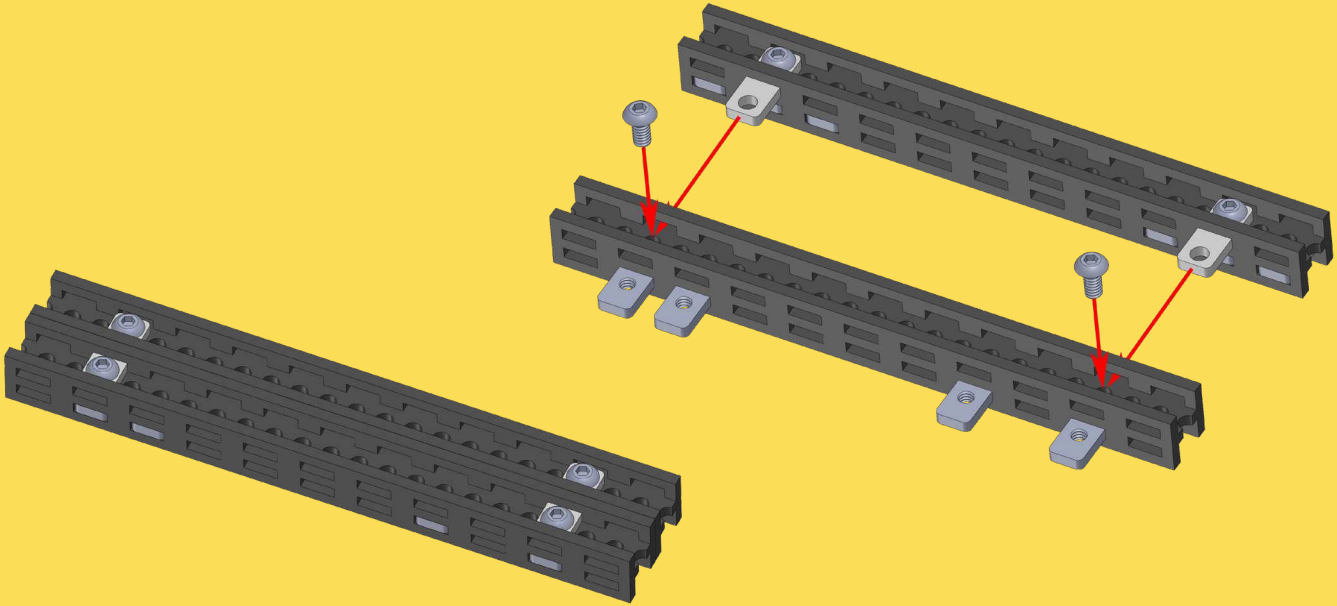
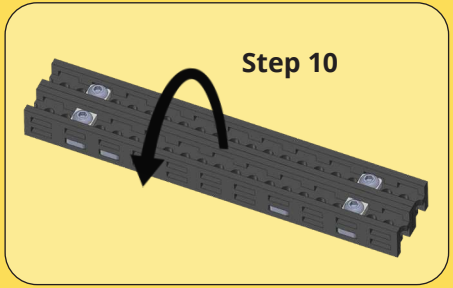
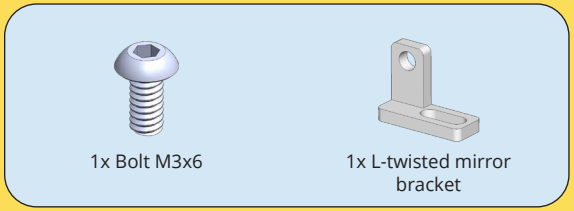
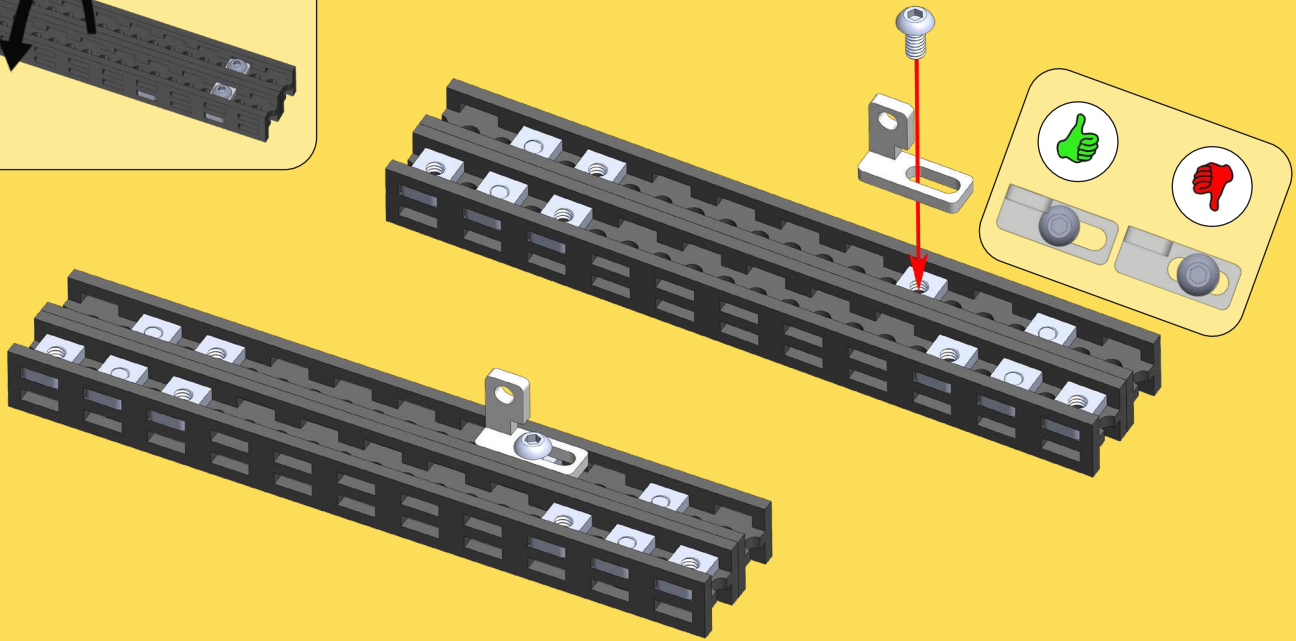





Step 10


1x Bolt M3x6
1x L-twisted mirror bracket



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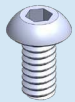
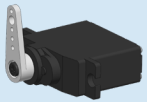
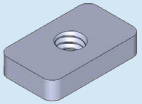


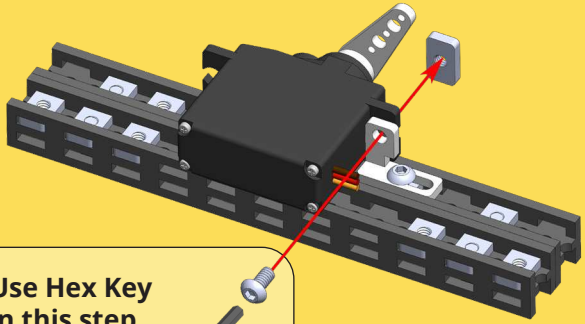
1x Bolt M3x6

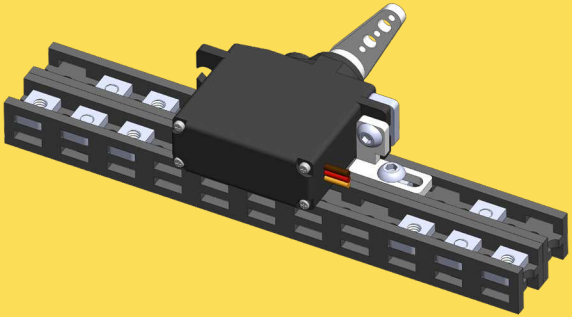


1x Mini servo motor with arm



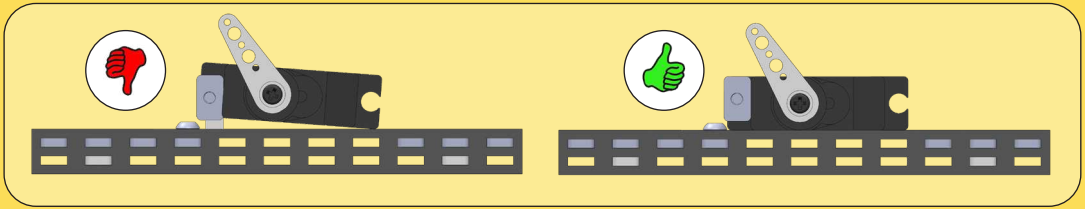
1x Nut M3 6x10





Use Hex Key in this step





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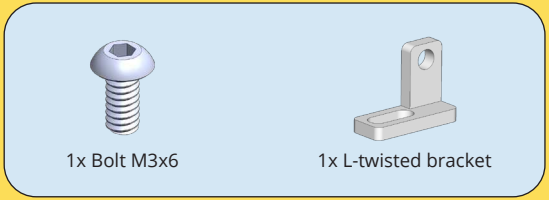
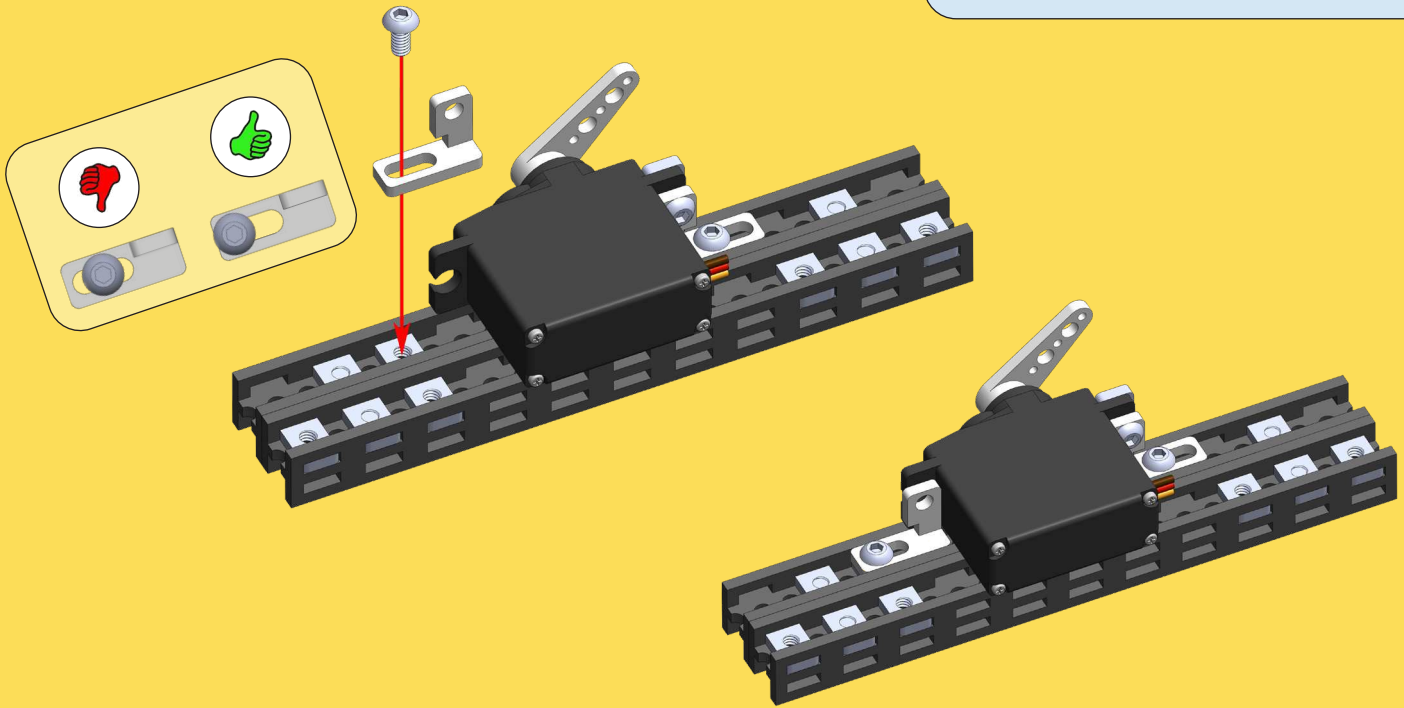
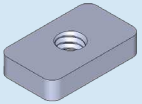


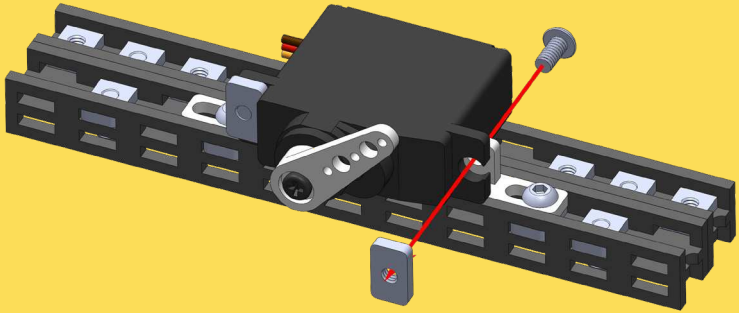


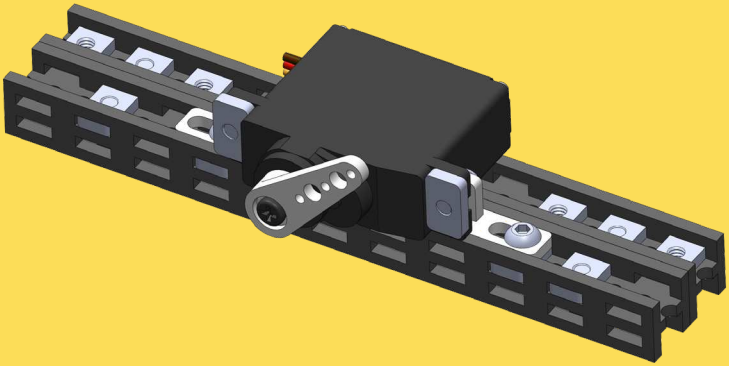


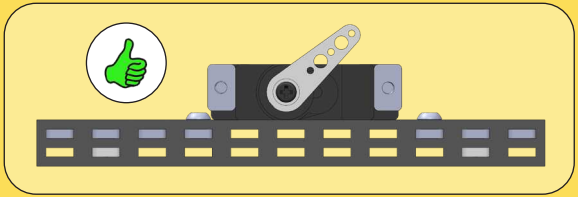
1x Bolt M3x6



1x Nut M3 6x10







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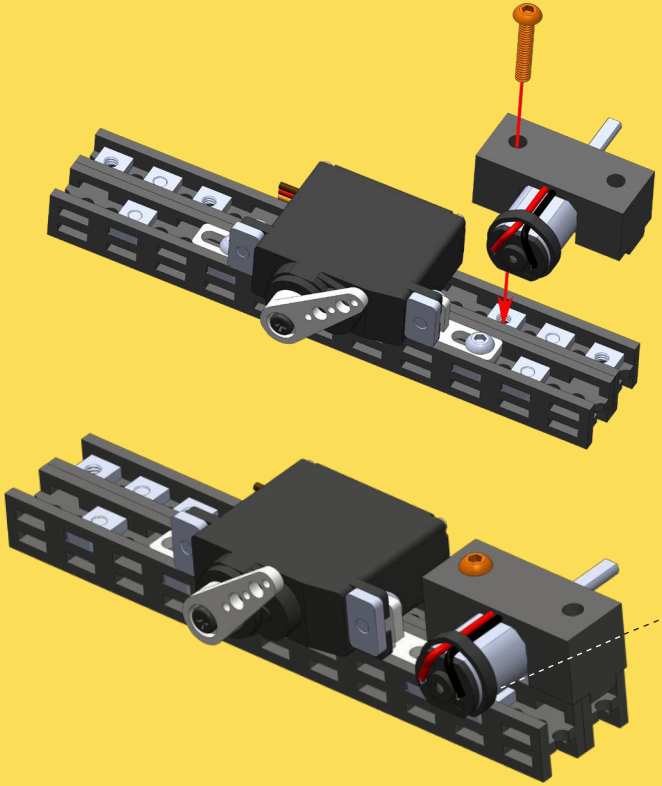
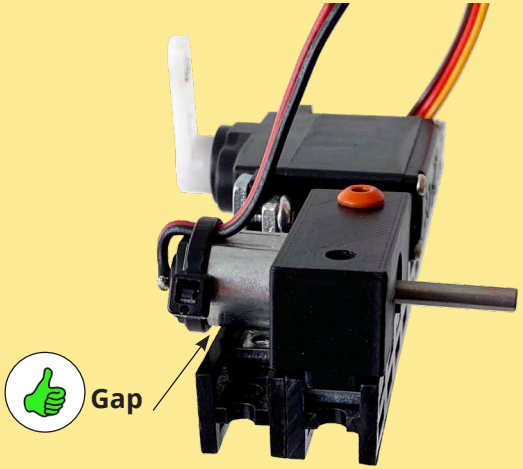
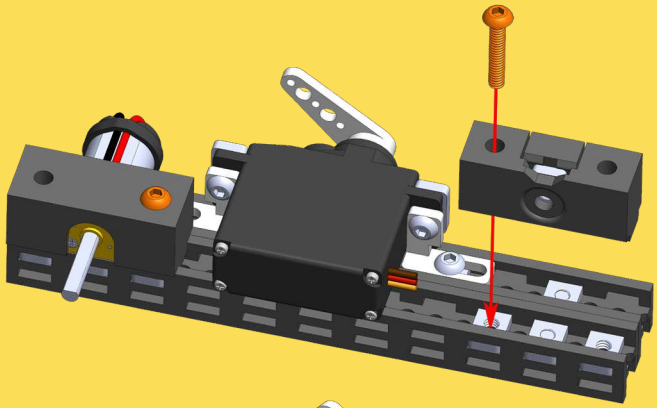


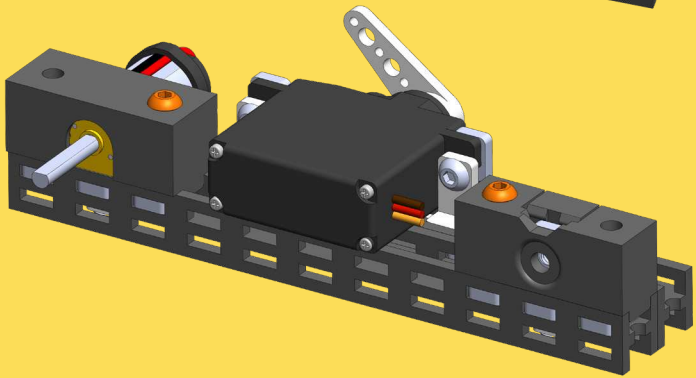


1x Bolt M3x16



Make sure cable holder does not climb on the beam

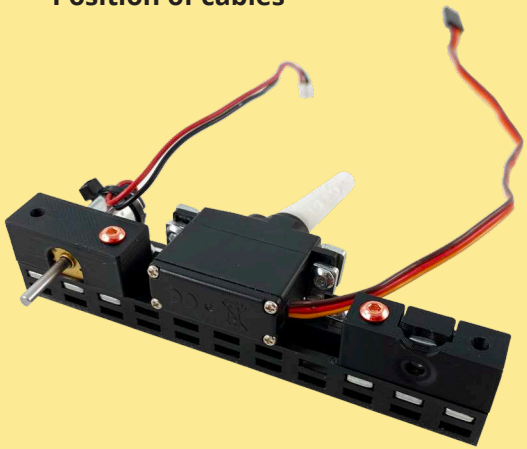


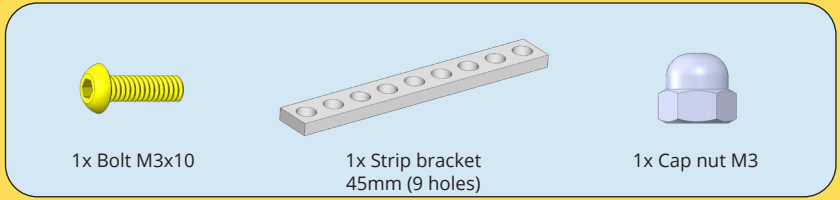




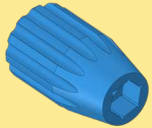
1x Bolt M3x16

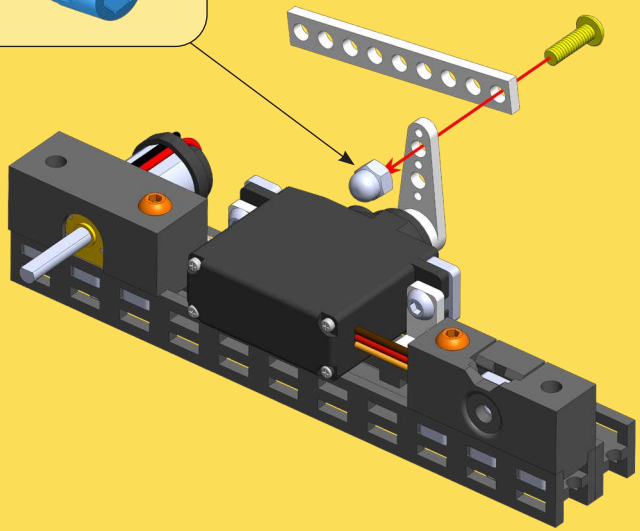
Position of cables

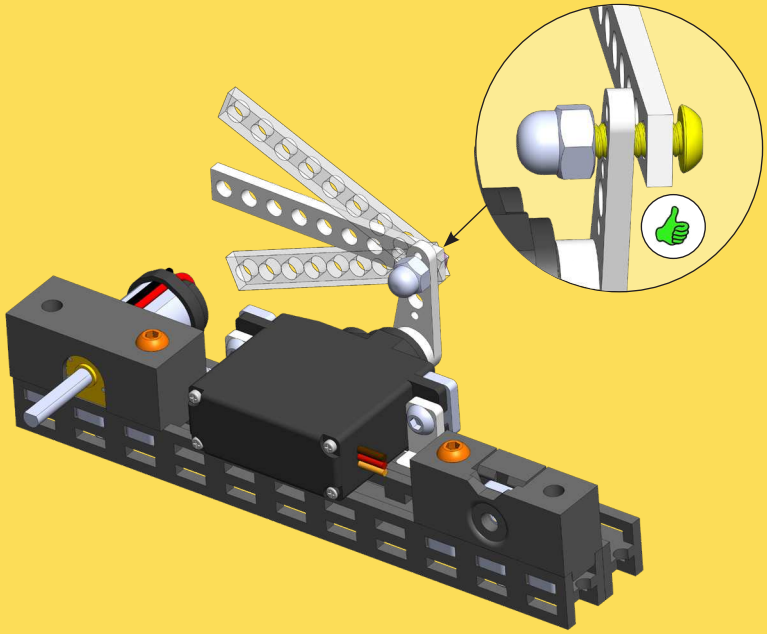


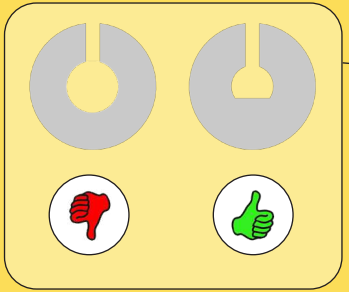


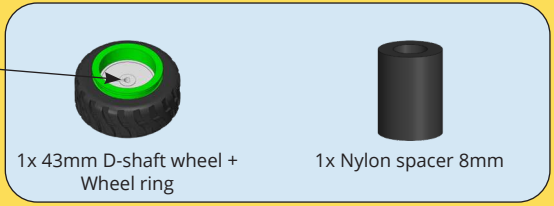
Use the Socket Wrench (3D) to hold the Cap nut

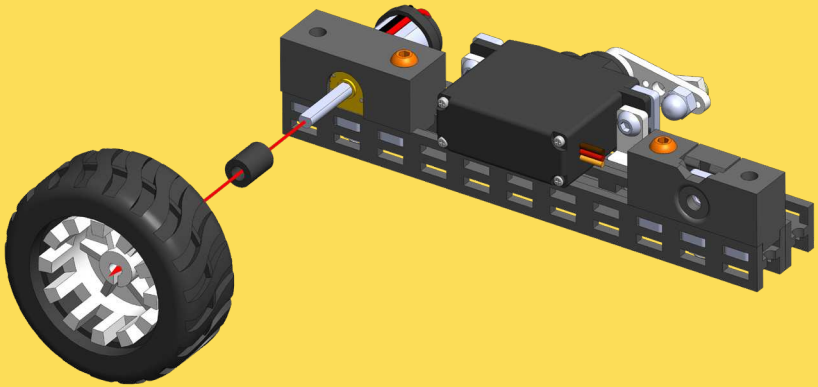


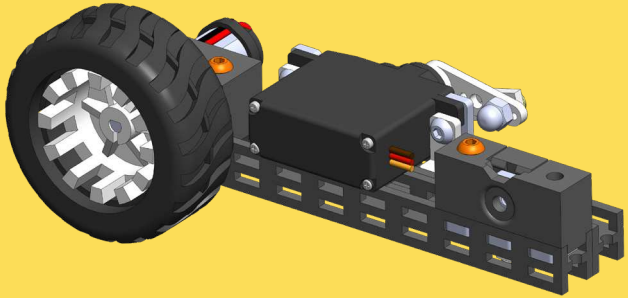


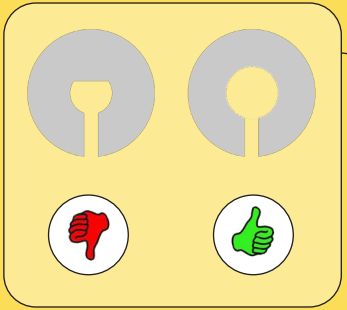


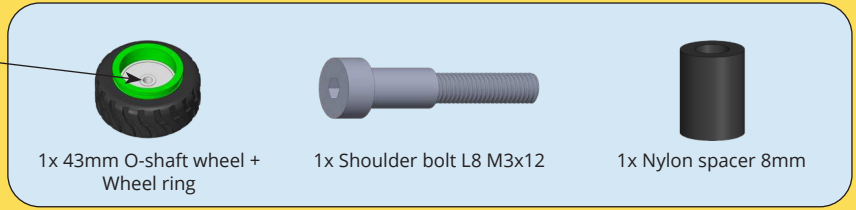


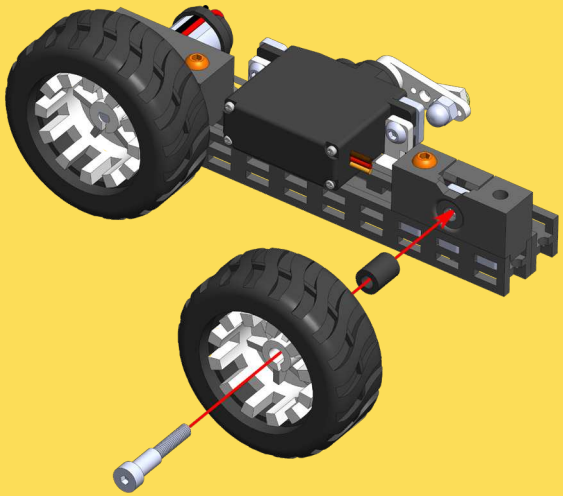

1x 43mm D-shaft wheel +
Wheel ring
1x Nylon spacer 8mm

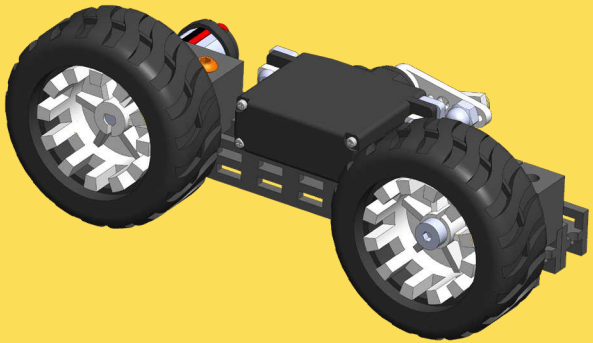







1x 43mm O-shaft wheel + Wheel ring
1x Shoulder bolt L8 M3x12
1x Nylon spacer 8mm





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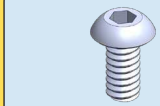
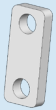
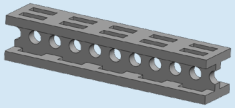
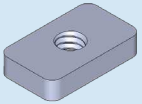
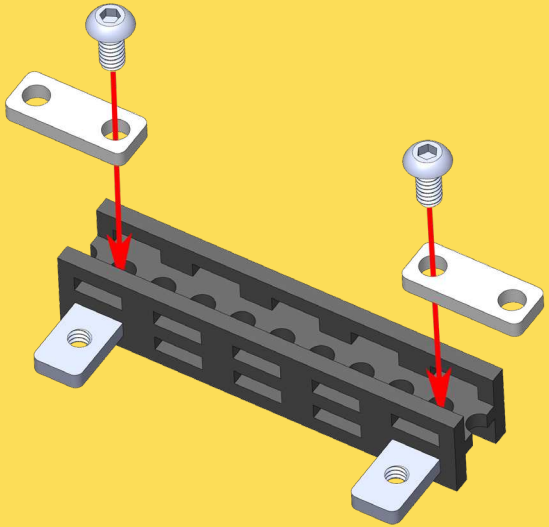
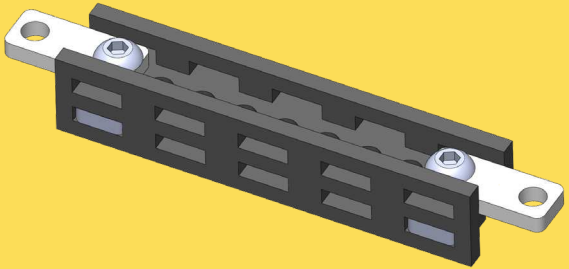

2x Bolt M3x6


2x 2-hole simple bracket


1x Beam 5 cm


2x Nut M3 6x10





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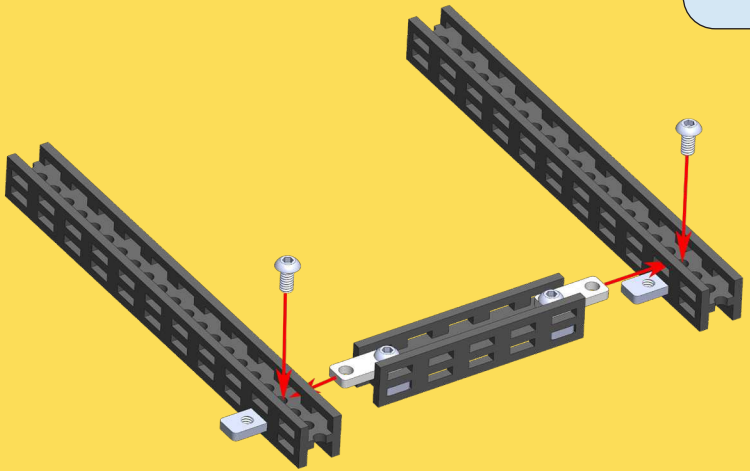
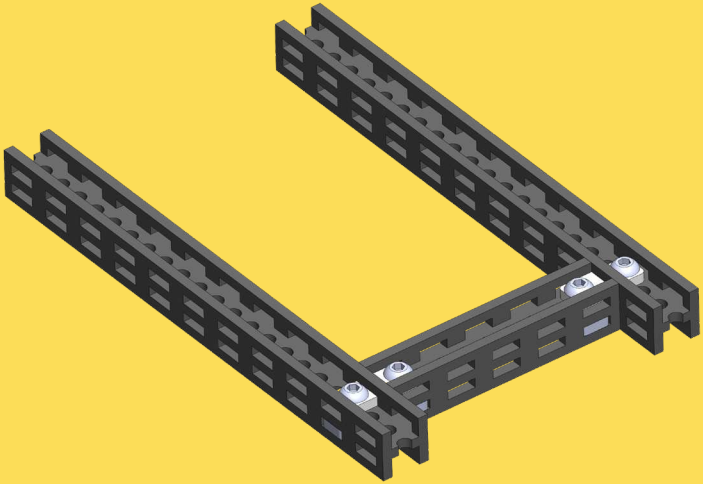
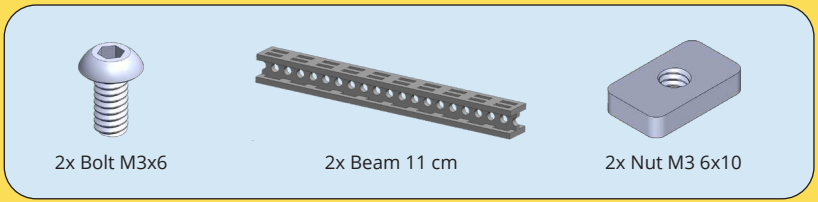
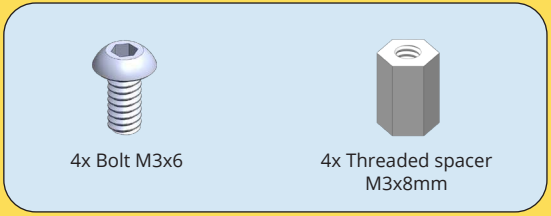
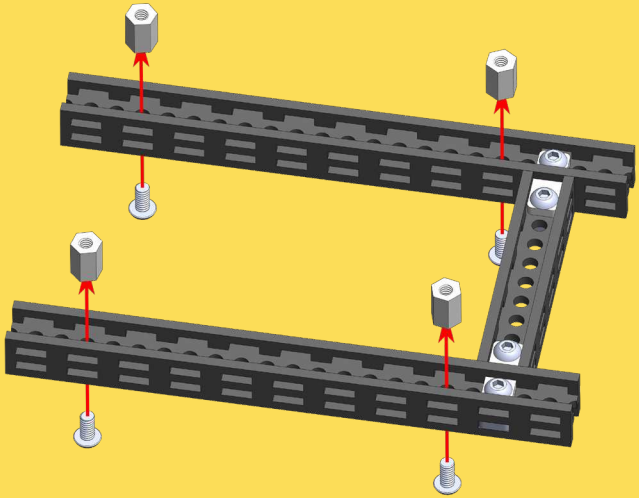
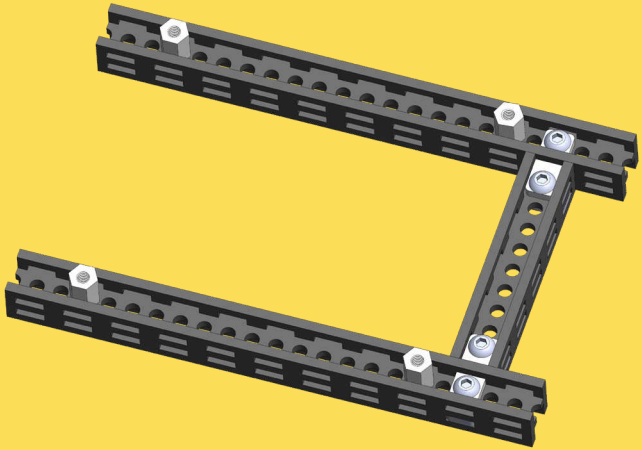




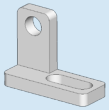


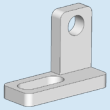

4x Bolt M3x6
4x Threaded spacer M3x8mm

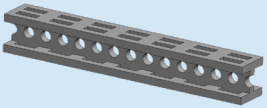


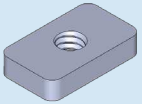


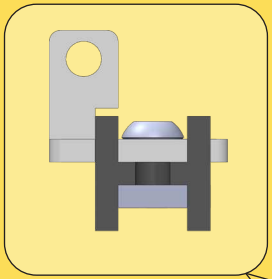

2x Bolt M3x6

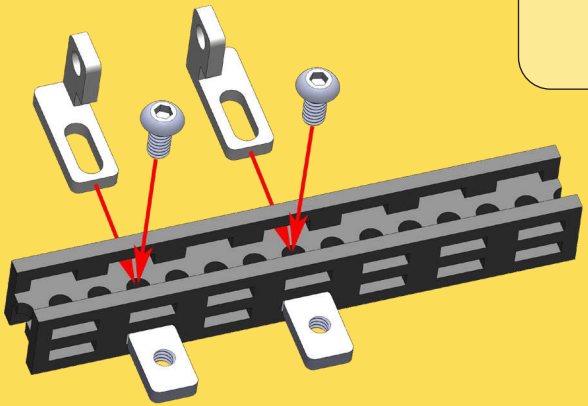

1x L-twisted mirror bracket

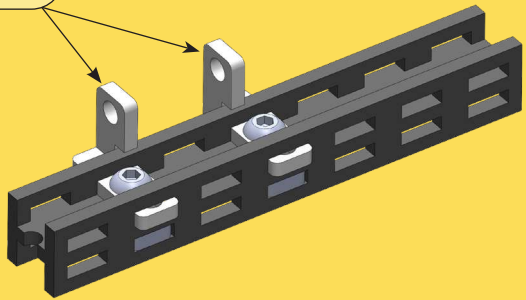

1x L-twisted bracket


1x Beam 7 cm


2x Nut M3 6x10







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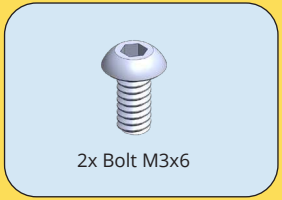
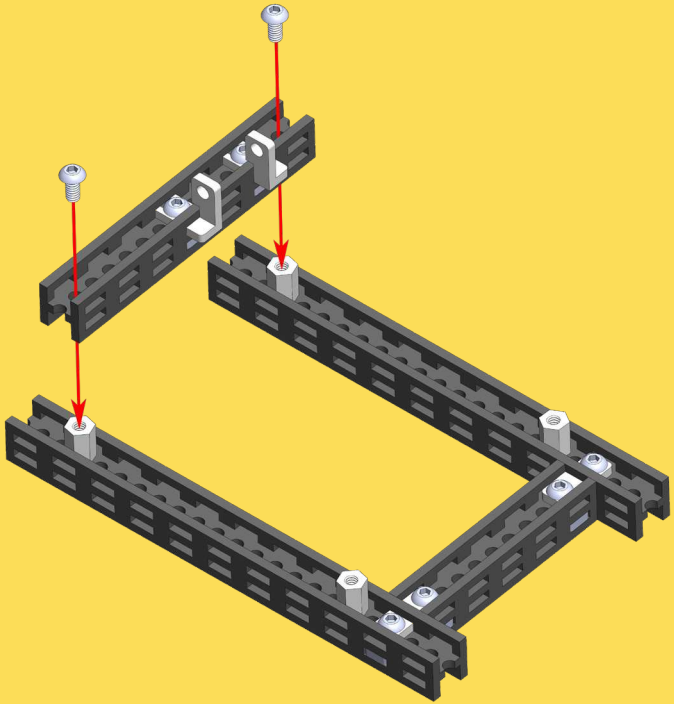
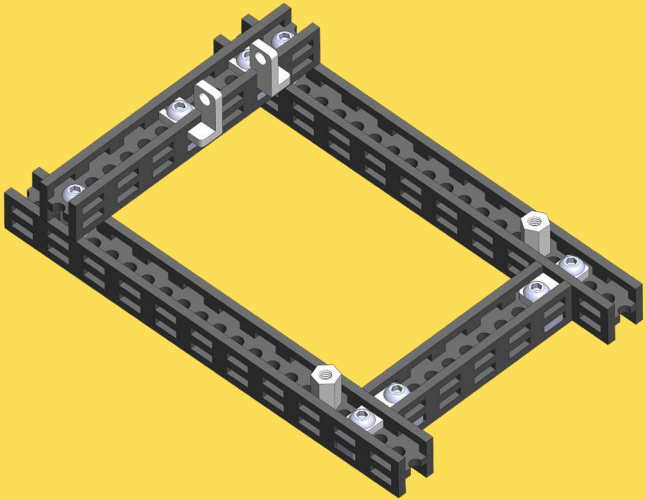
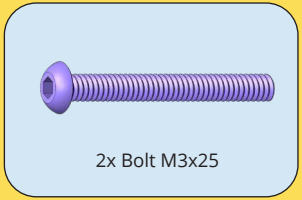
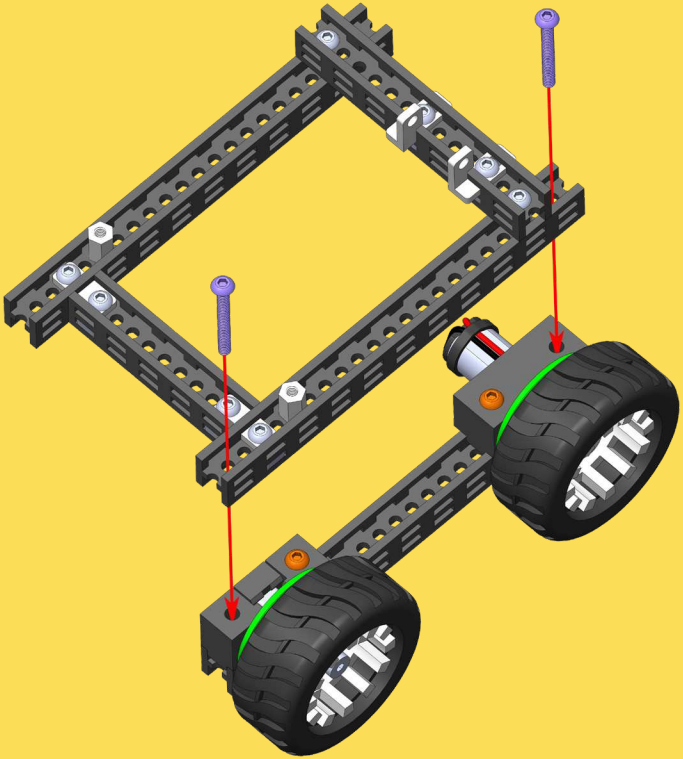
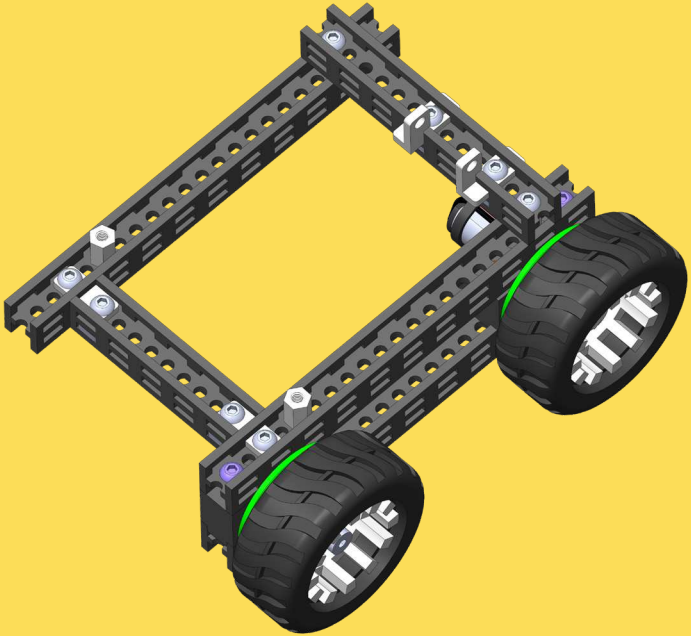


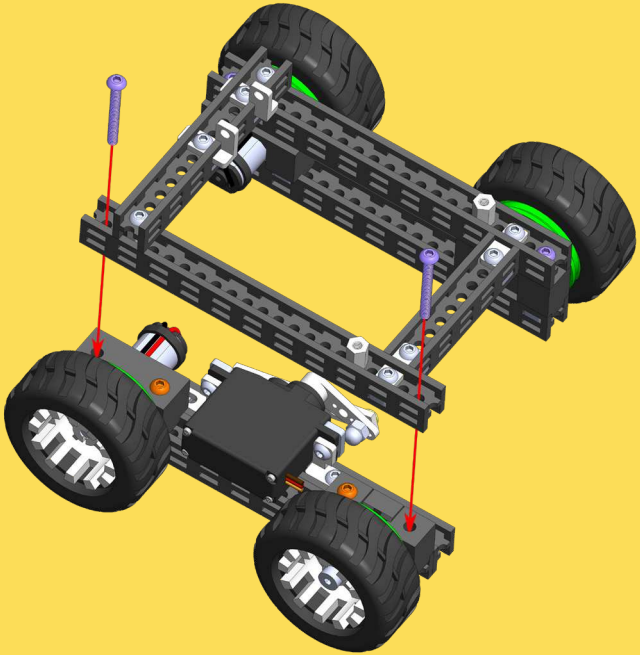


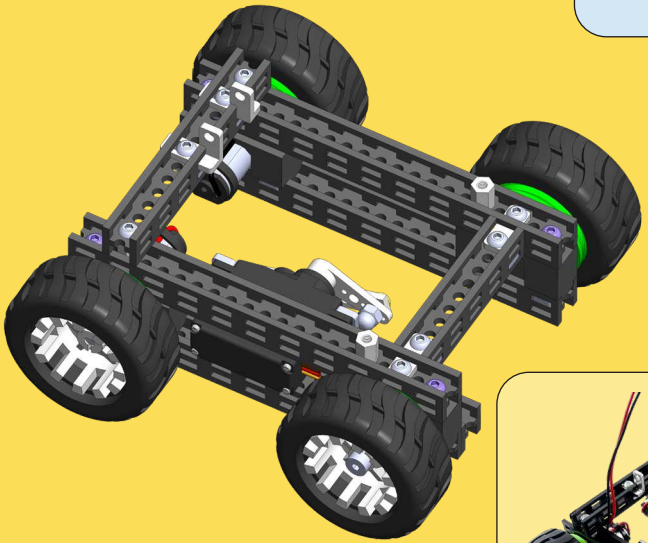


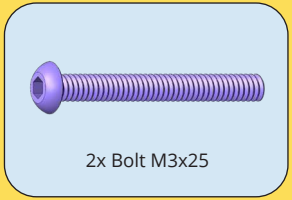

2x Bolt M3x25



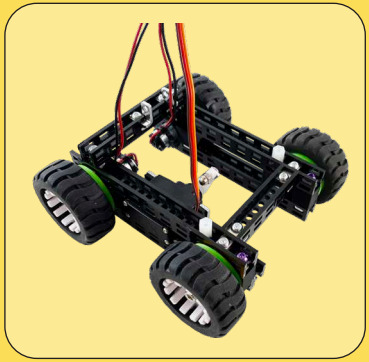


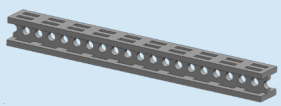




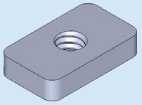


2x Bolt M3x25

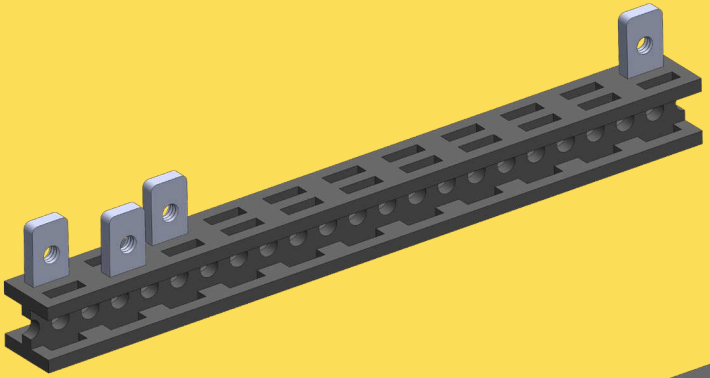


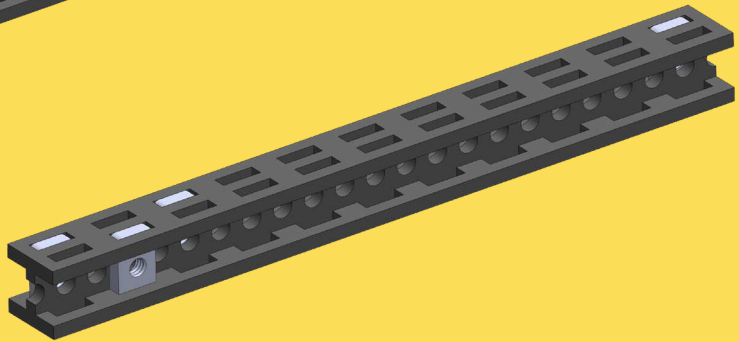


1x Beam 11 cm



4x Nut M3 6x10





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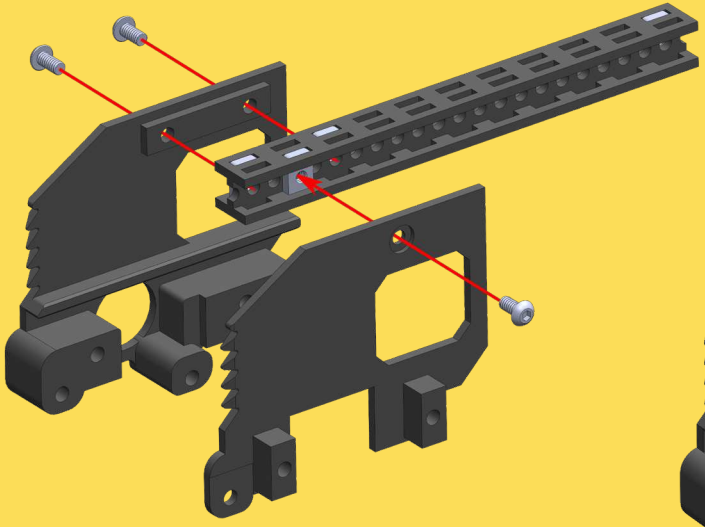
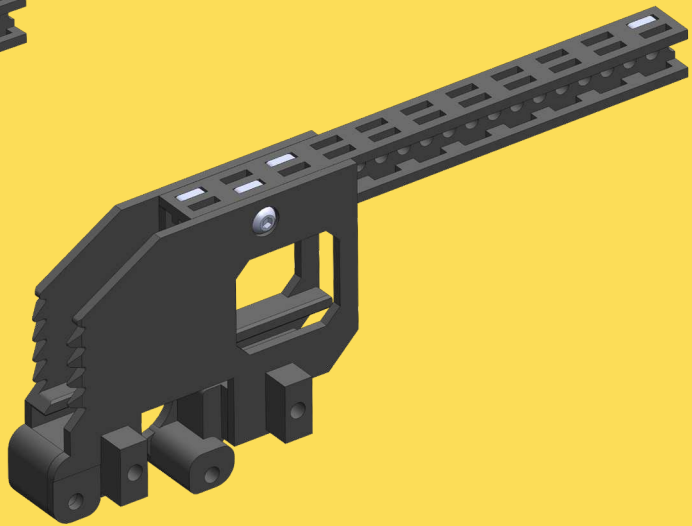
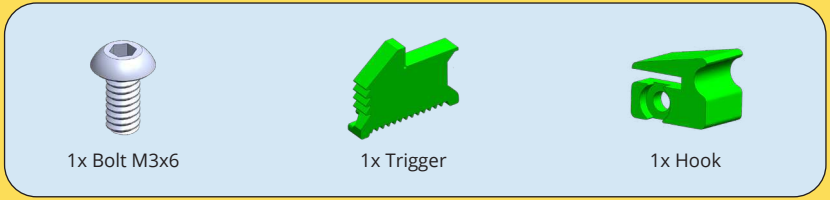
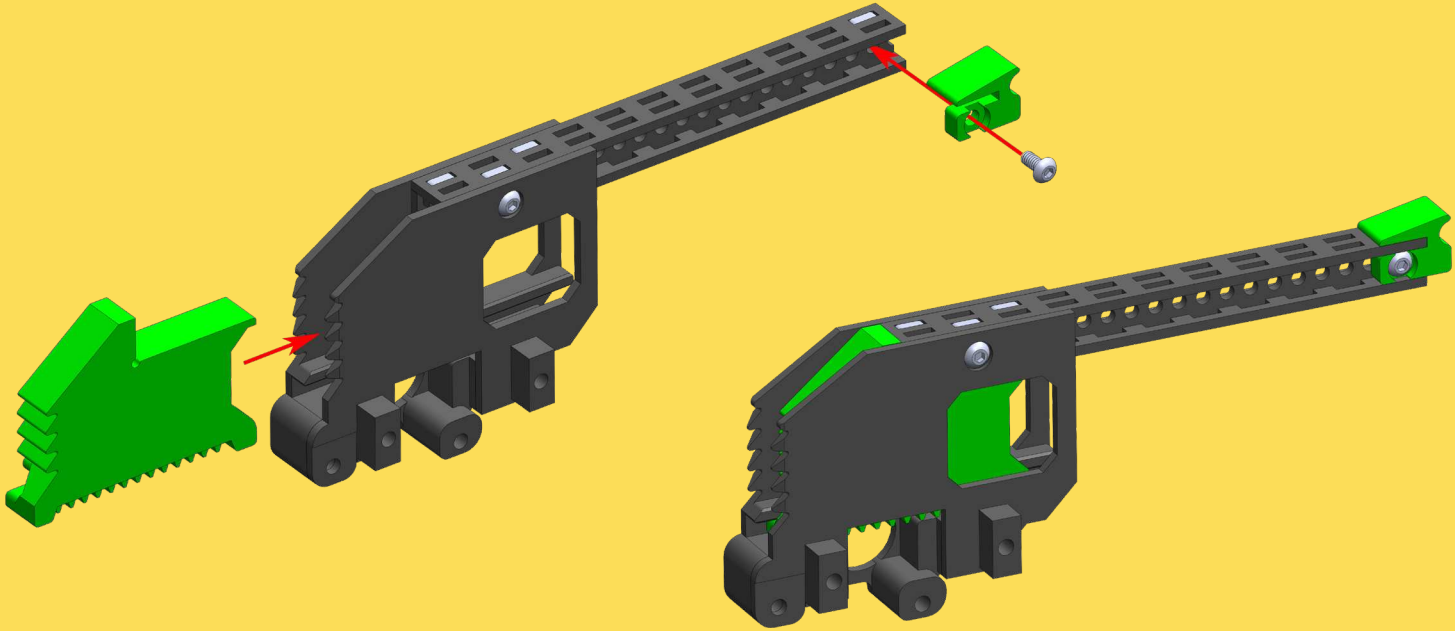
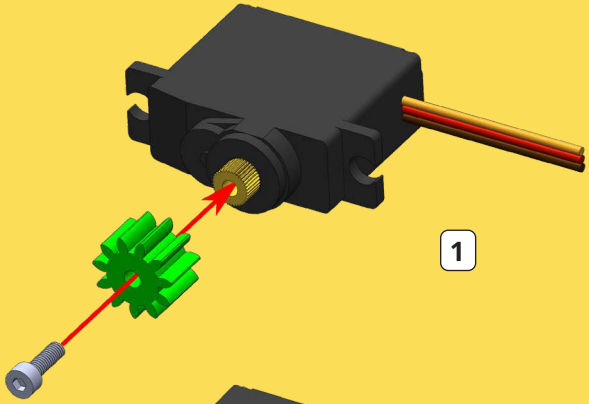
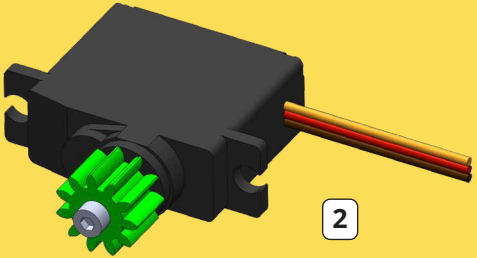


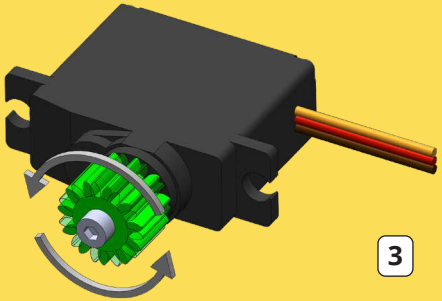


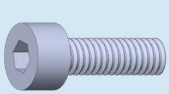

1x Bolt M3x6
1x Trigger
1x Hook



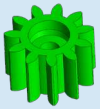




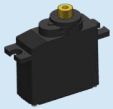




1x Bolt M2.5x8



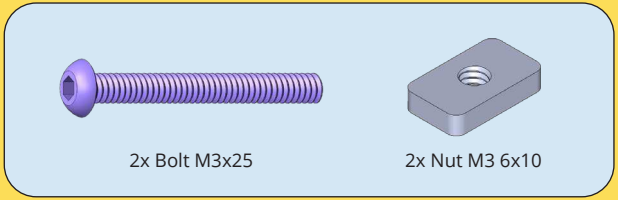
1x Trigger gear

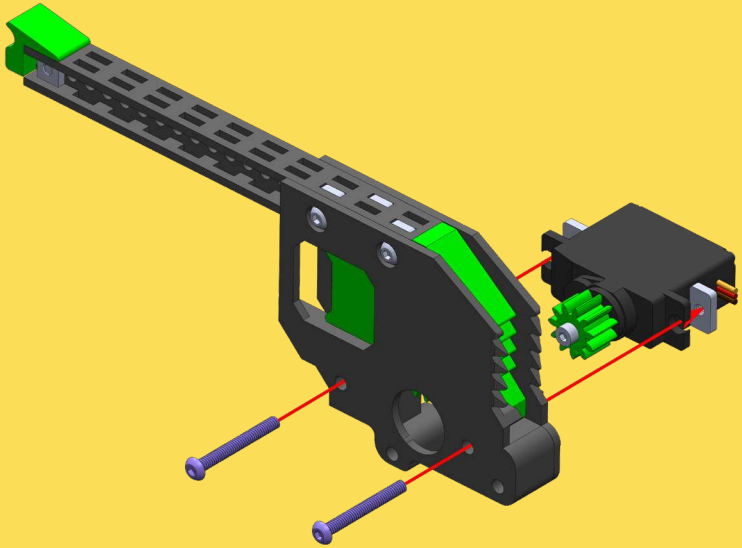


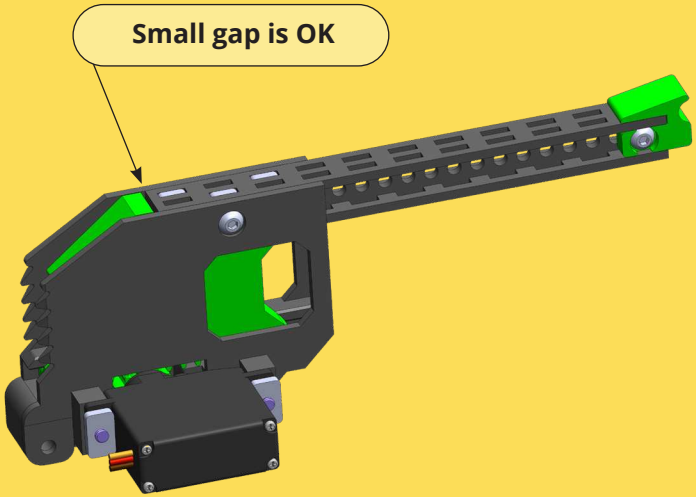
1x Mini servo motor

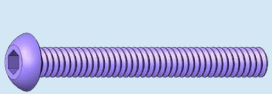
Turn the gear counterclockwise until it stops

31





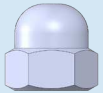




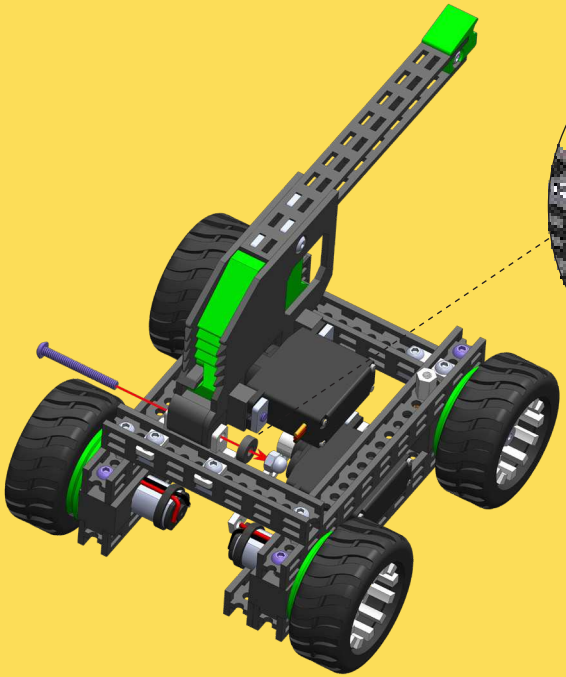
1x Bolt M3x25

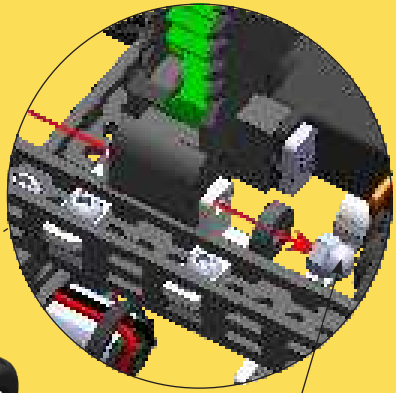


1x Washer T2,5mm



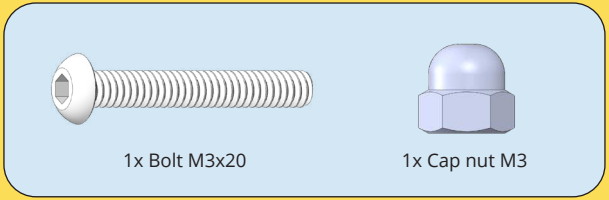
1x Cap nut M3

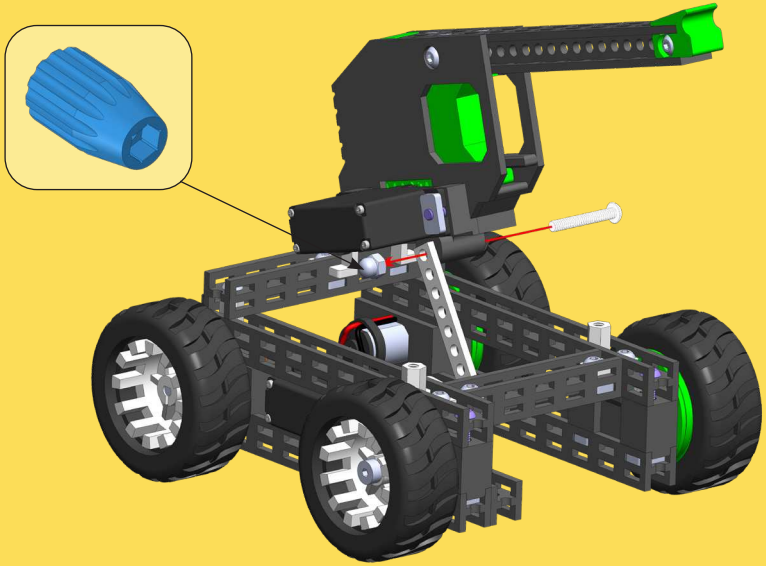


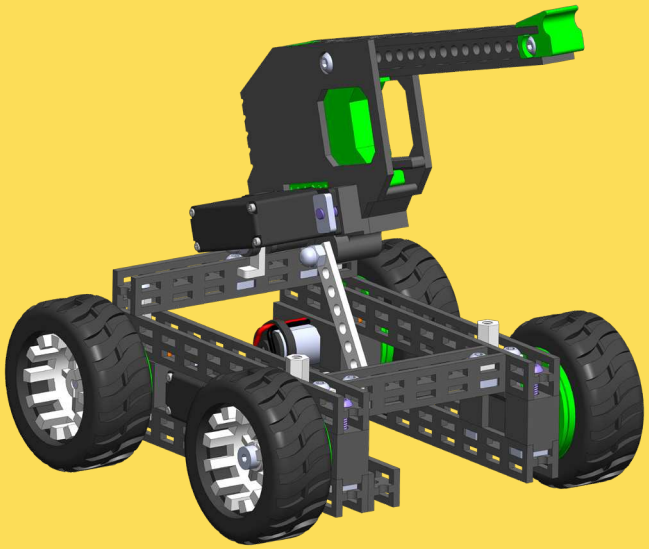


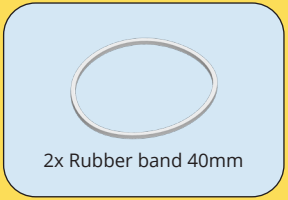


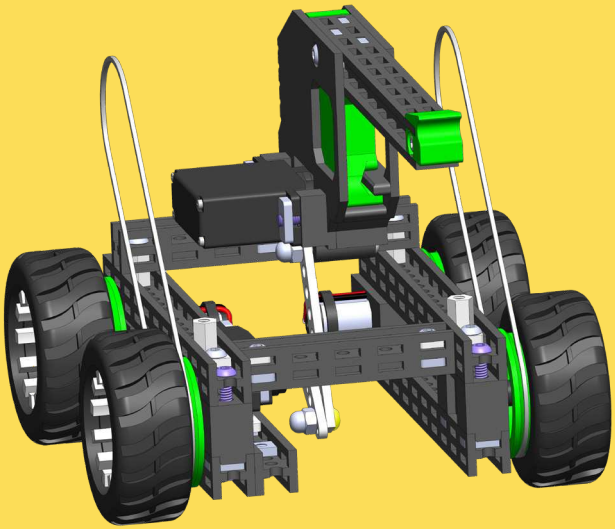


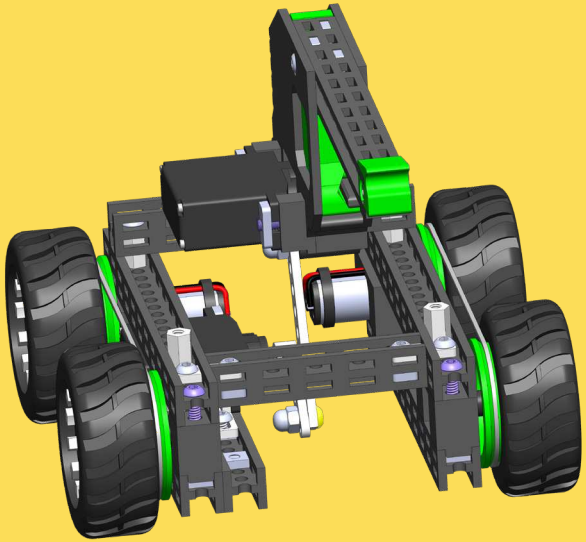

1x Bolt M3x20
1x Cap nut M3





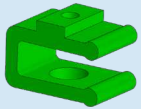

2x Rubber band 40mm



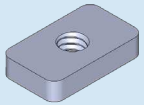




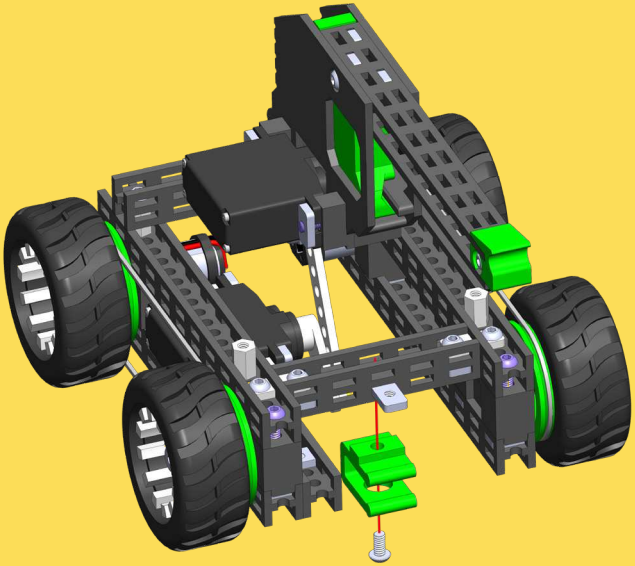
1x Bolt M3x6

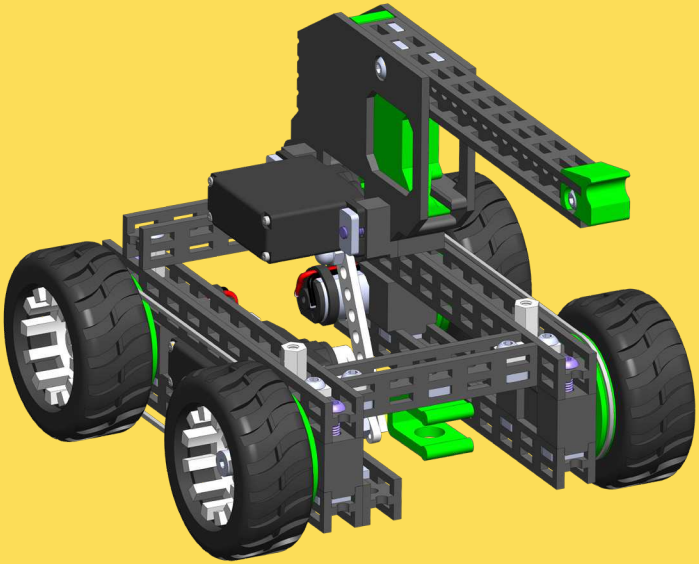


1x Battery holder



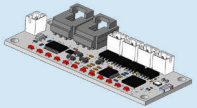
1x Nut M3 6x10







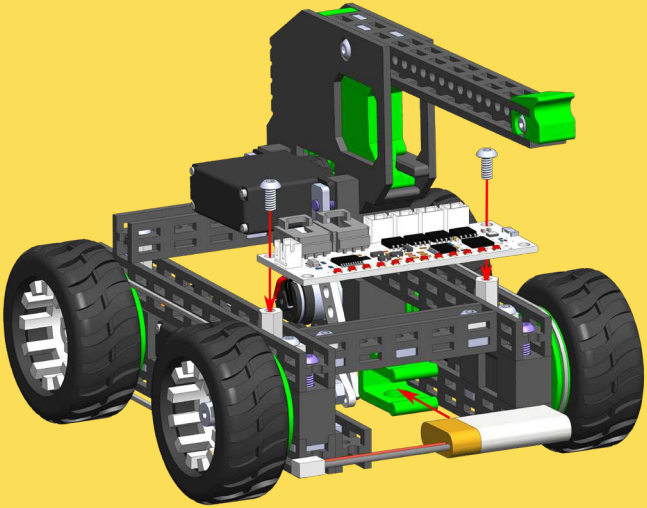
2x Bolt M3x6

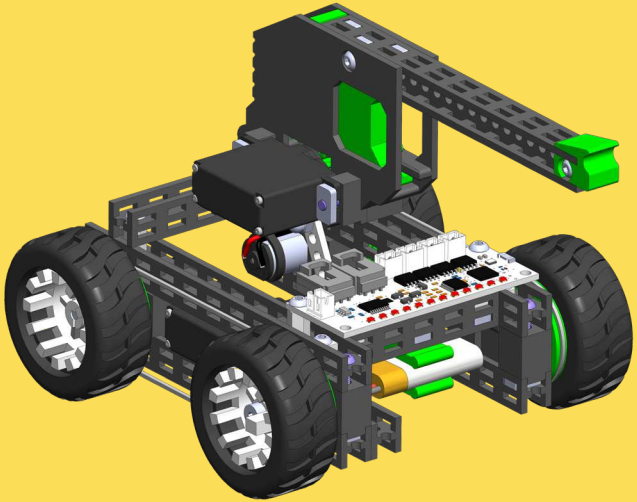


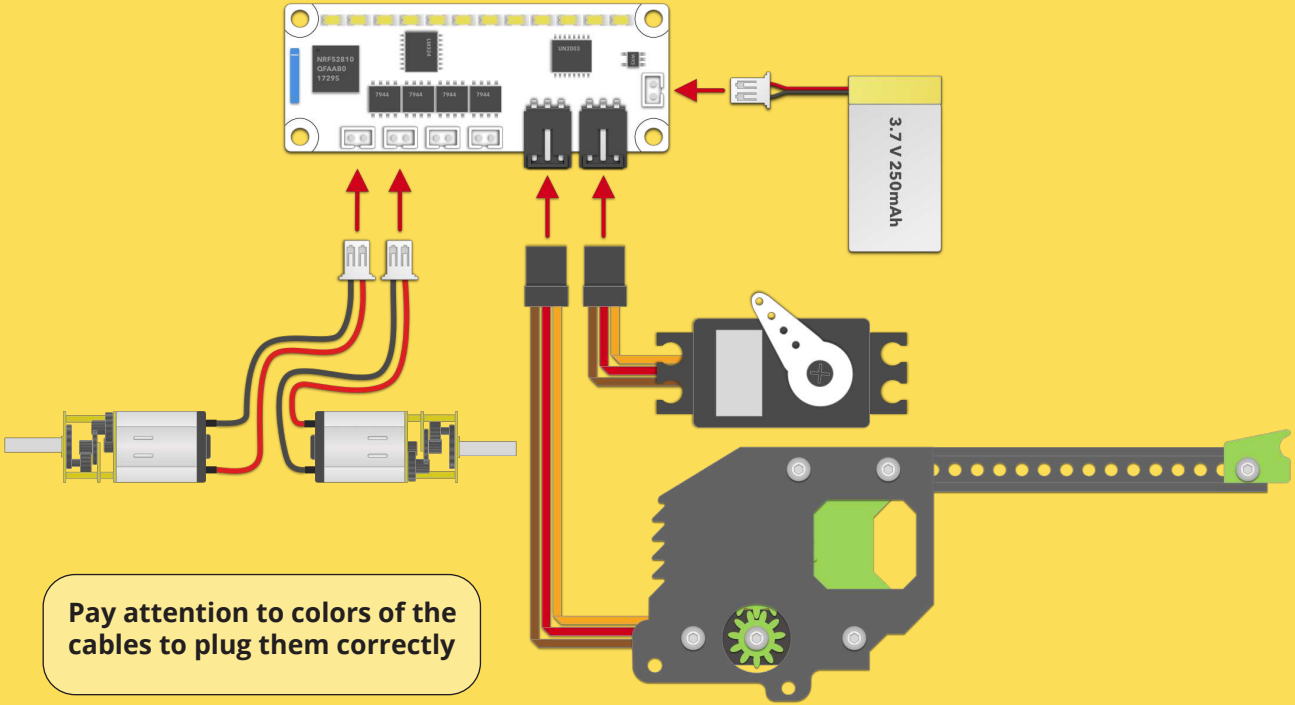
1x Mini Control Board X3



1x Nut M3 6x10

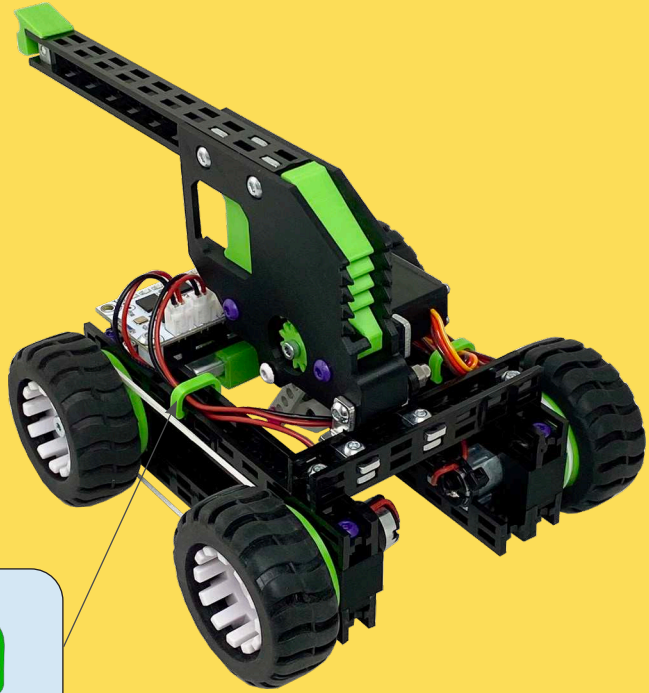


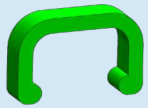




Pay attention to colors of the cables to plug them correctly



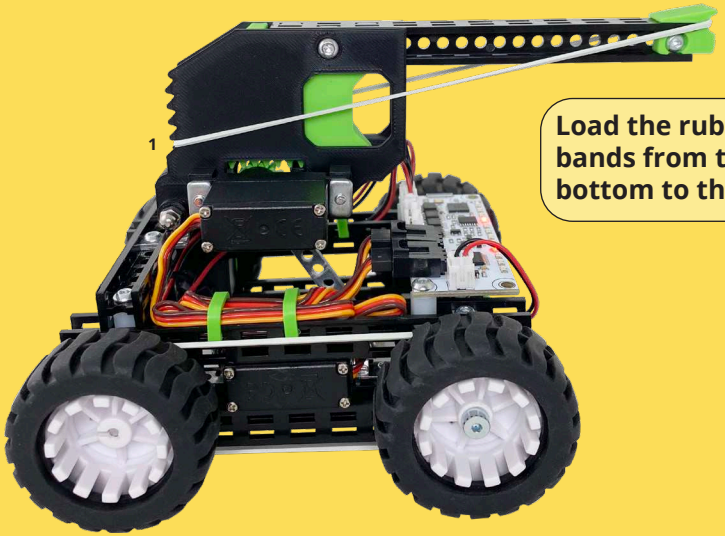




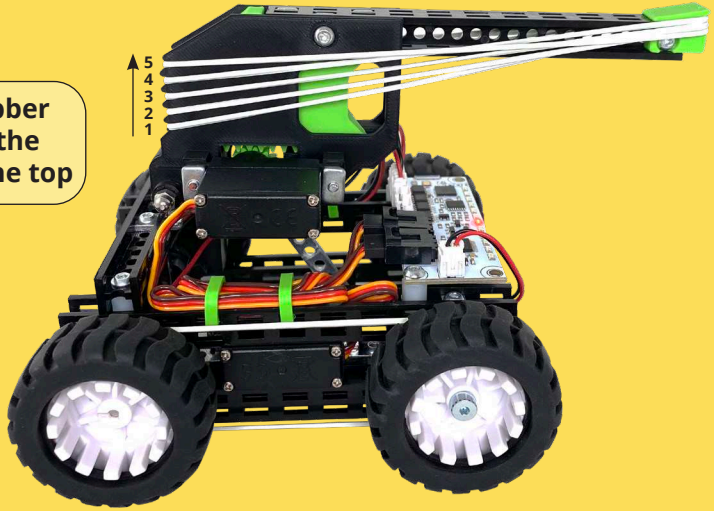
3x Cable clip (3D)

Voilà!

You have finished assembling the Mini Shooter.



Load the rubber bands from the bottom to the top



HOW TO CONTROL

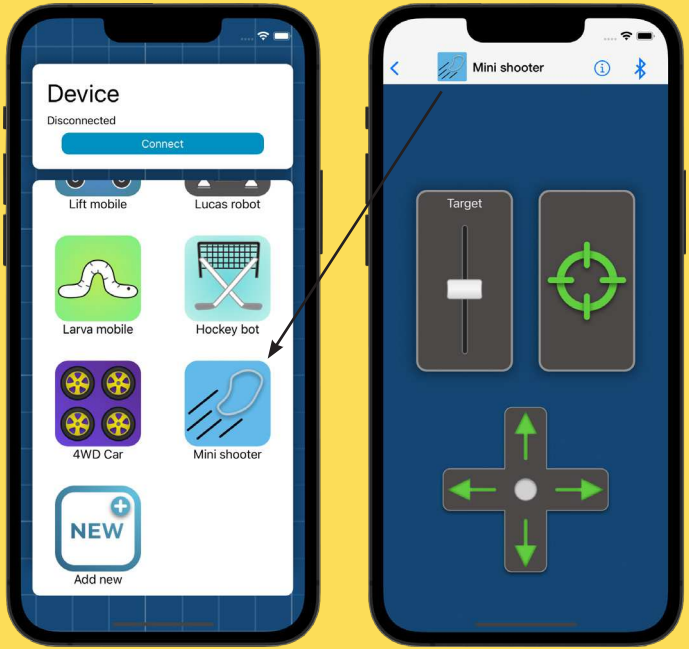
Download the Totem app on your smartphone or tablet via App Store or Google Play.

GET IT ON Google Play

Download on the App Store

Search for: Totemmaker

Or scan this code:



TROUBLESHOOT

Can’t connect to the Mini Shooter electronics board with Totem mobile application.

- Check if Mini Shooter electronics board is powered on (LEDs should blink).
- Only one device can be connected to the Mini Shooter at a time. Reconnect the battery to reset the electronics board or disconnect with another device.
- Check if your device is running the latest version of Totem mobile application.
- Ensure that your device has Bluetooth functionality and location service (GPS) enabled and Totem mobile application has the location permission.
- Close Totem mobile application and run it again (restart).

Servo motor doesn’t spin.

Servo motor connector may be plugged in upside down. Flip it over.

LEDs are flashing when battery is not connected and motors are spined manually.

This is normal behaviour and doesn’t indicate any malfunction.

None of the LEDs are flashing when battery is connected.

Battery voltage is low. Charge the battery.

First LED of light bar is flashing when battery is connected.

Battery voltage is low. Charge the battery.

Wheel motors are twitching or decelerating while driving.

Battery voltage is low. Charge the battery.

Wheel motor spin direction is incorrect.

- Check the Step 37 if motors are plugged correctly.
- Connect to Mini Shooter using Totem mobile application. Go to “Settings” and switch “DC motor pins” to “Inverted”. Write changes by clicking “Save”.
- A button configuration may be wrong. Reinstall Totem mobile application in order to reset all the settings.

PRECAUTIONS:
ELECTRONICALLY OPERATED PRODUCT

Do not give this product to children aged 8 or below. As with all electronic products, precautions should be observed during handling and use to prevent electric shock.

Adult supervision required.

CONSUMER INFORMATION

Note to adults: to ensure that the child's play is both safe and fun, please review all operating instructions and safety rules with your child.

SAFETY WARNINGS:

- Do not pick up vehicle while in motion.
- Keep fingers, hair, and loose clothing away from rotating wheels, to avoid the injury.
- Adult supervision is required when this vehicle is being operated.
- If you stopped operating the vehicle, remember to unplug the battery, to avoid accidental operation.
- If the vehicle is dirty, please clean it with dry and soft cloth. Do not clean electronics.
- Do not expose the vehicle to high temperature, high humidity, or direct sunlight.
- Indoor use only. Do not put this product in water to avoid damaging its electronic components.
- The product is made of complex electronic circuit and electronic components, do not disassemble, or modify the circuit board.

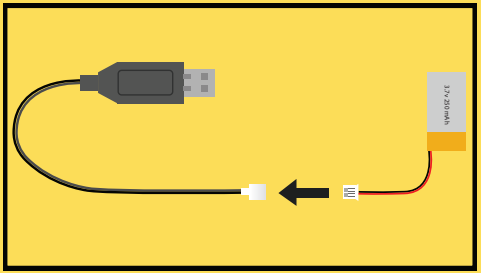
BATTERY SAFETY INFORMATION:

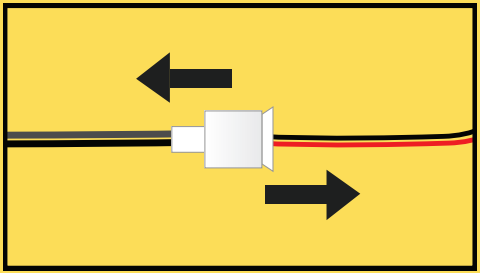
- This vehicle is designed to work with provided 250 mAh 3.7V LiPo battery and charger.
- Rechargeable battery must be charged by adult only.
- Do not leave charging without supervision of adult.
- There is a risk of fire and personal injury if battery is punctured, damaged or misused.
- Do not disassemble or damage the battery pack.
- Use only the supplied 250 mAh 3.7V LiPo battery battery. Using any other battery may damage the model.
- Use only the included USB charging cable to charge the battery.
- Please check on a regular basis the wire, plug, battery, charger, and other electronic parts on the vehicle. If any damage is found, please stop using the product immediately.
- Stop charging if battery becomes hot, smells, smokes or gives off strong odour.
- Never throw batteries into fire to avoid explosion or leakage.
- Check the batteries on a regular basis to avoid leakage.
- Recycle or dispose batteries according to local laws and guidelines.

BATTERY CHARGING:

⚠ **Rechargeable battery must be charged by adult only.**

- The new battery pack needs to be charged before use.
- Connect the USB charging cable to 5V USB power source, such as a laptop.
- Connect the battery to the charger (see picture 1). The charger will show a red LED light when charging the battery. When the battery is fully charged, the red LED light turns off.
- To disconnect cables, hold the connectors of both cables and pull apart (see picture 2).
- Do not attempt to overcharge the battery.





KEEP THIS INSTRUCTION MANUAL AND THE PRODUCT BOX AS IT CONTAIN IMPORTANT INFORMATION FOR FUTURE REFERENCE.

Due to the continuous product improvement, the pictures on this manual may differ slightly from the actual product. Please adhere to actual product instead.

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www.totemmaker.net
Totem Technology, UAB
Sauletekio al. 15-709, Vilnius, 10224, Lithuania
For customer support please contact: support@totemmaker.net

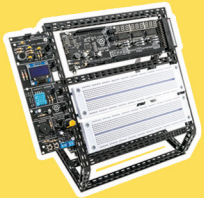
⚠ WARNING:

CHOKING HAZARD - Small parts.
Not for children under 3 years.

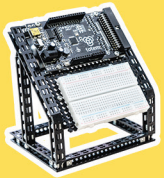




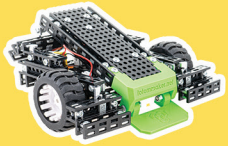
Discover more of Totem:



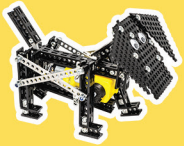
Mini Lab



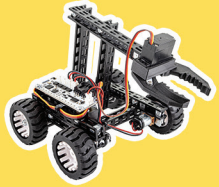
Micro Lab



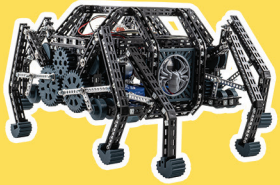
Mini Trooper



Young Engineer Kits



Gripper Bot



Black Spider

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