

# Manual Assembly & Instruction In the second of the secon

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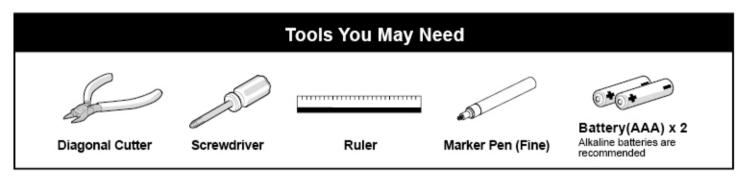
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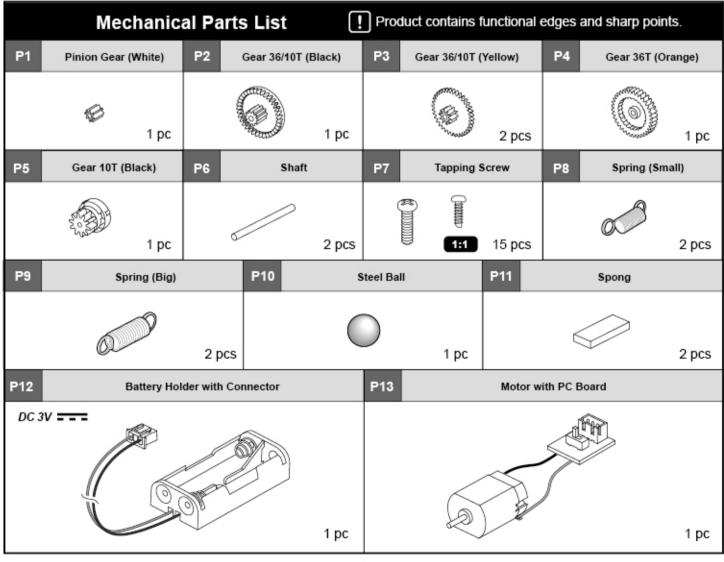
## 5 IN 1 Mechanical Coding Robot

#### Product Introduction

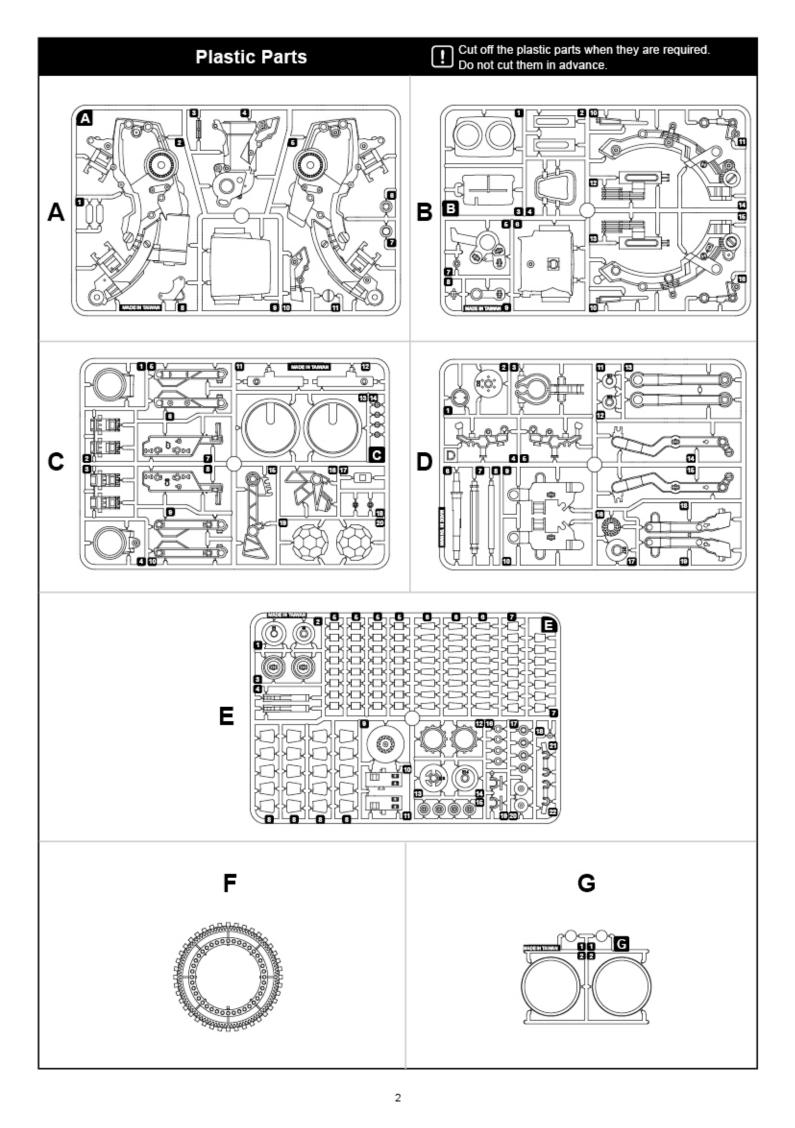
The mechanical coding wheel is placed into the heart of the robot to steer its coded courses and tasks. Coding is easily implemented by snapping the coding buttons onto the wheel and having the robot perform its basic functions – go forward, backward, right/left turn, spin or pause. Thanks to this easy to follow approach, coding and performing the tasks (such as throwing, lifting, kicking or drawing), become more interesting and challenging as the user's skills increase.

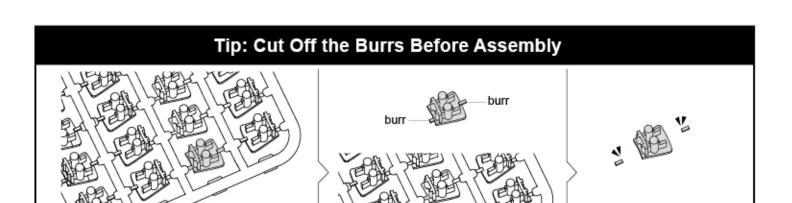
This mission-based, entry level STEM coding robot is designed to inspire users to learn about mechanical engineering and coding basics. It encourages children to think while also developing their problem-solving skills when faced with different tasks and difficulties. Engage in the coding world and beyond by challenging yourself with your very first coding robot.





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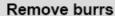


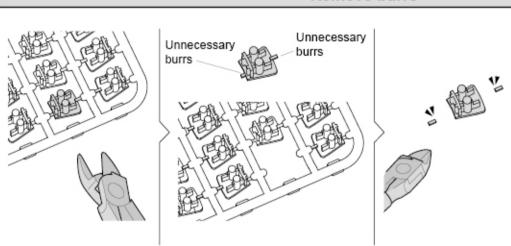




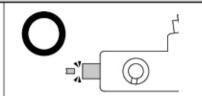
#### **Read It Before Assembly**

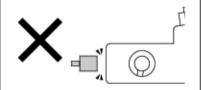
Please read through and follow the tips below before assembly.





It happens a lot some burrs are left at the edge of plastic parts after cutting them off. Make sure the burrs are completely removed to avoid operation malfunction.





Trim off the burrs ONLY. Do not trim off the protrusion belonged to original plastic parts. All features of parts should be kept completely.

#### Fasten tapping screws



Use corresponding (size-compatible) screwdriver. By following steps below, you can fasten the tapping screws perfectly.

Put the screwdriver towards the top of screws.

- (1) Screw in
- (2) Feel the tension getting higher
- (3) Keep screwing

Repeat until screws are tightly fastened.



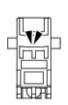
Please lock screws all the way down to the bottom. If they are not fastened tightly enough, parts may come off. The robot may consequently not work.

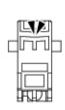


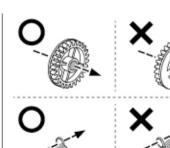


#### Shape, assembly direction, and position of parts

Some parts may look quite similar. They should be assembled in the designated direction and position shown in manual.







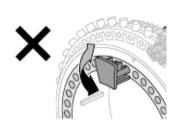




Coding buttons can be removed for new programming. Remove them straight up off the coding wheel. Do not torque them to avoid damage.



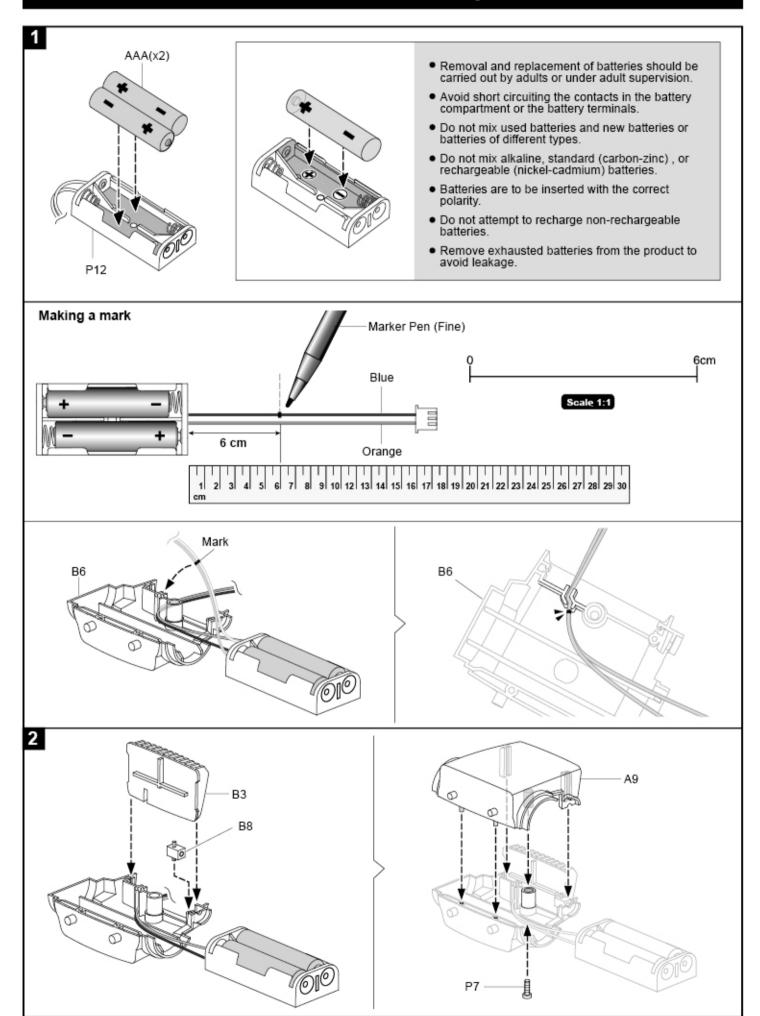


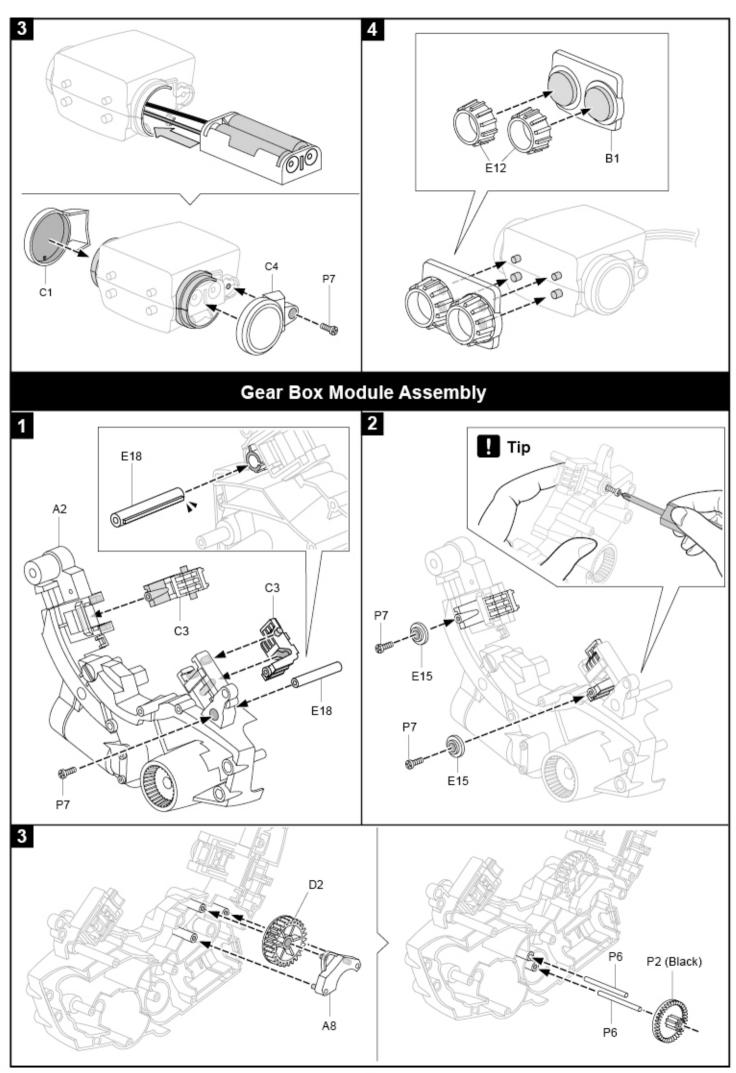


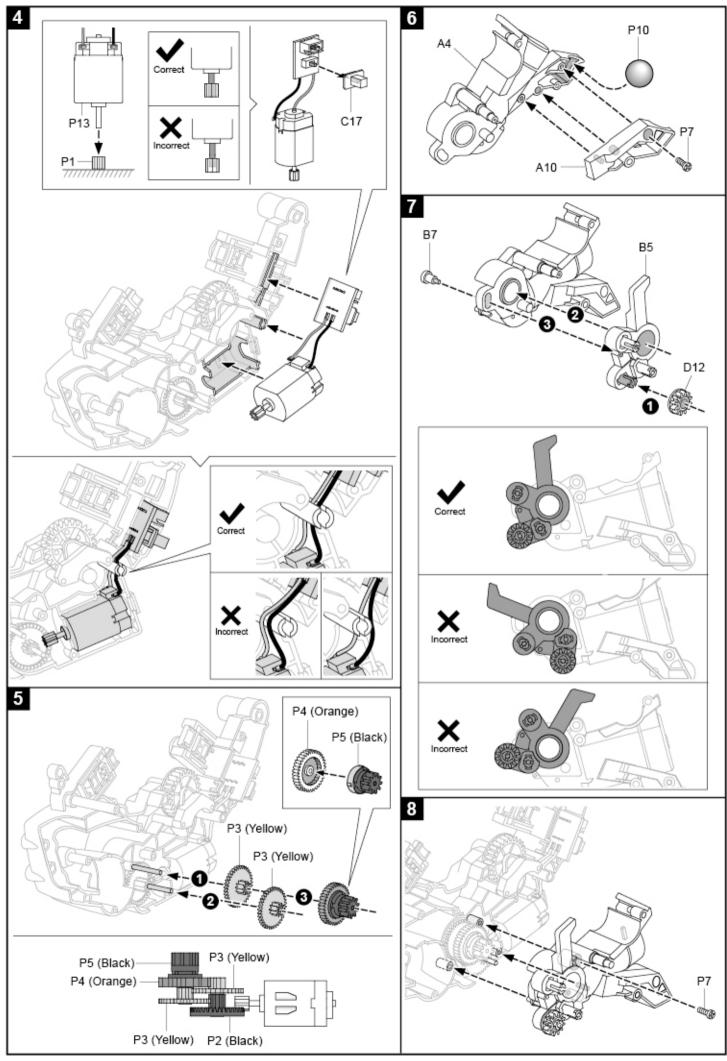


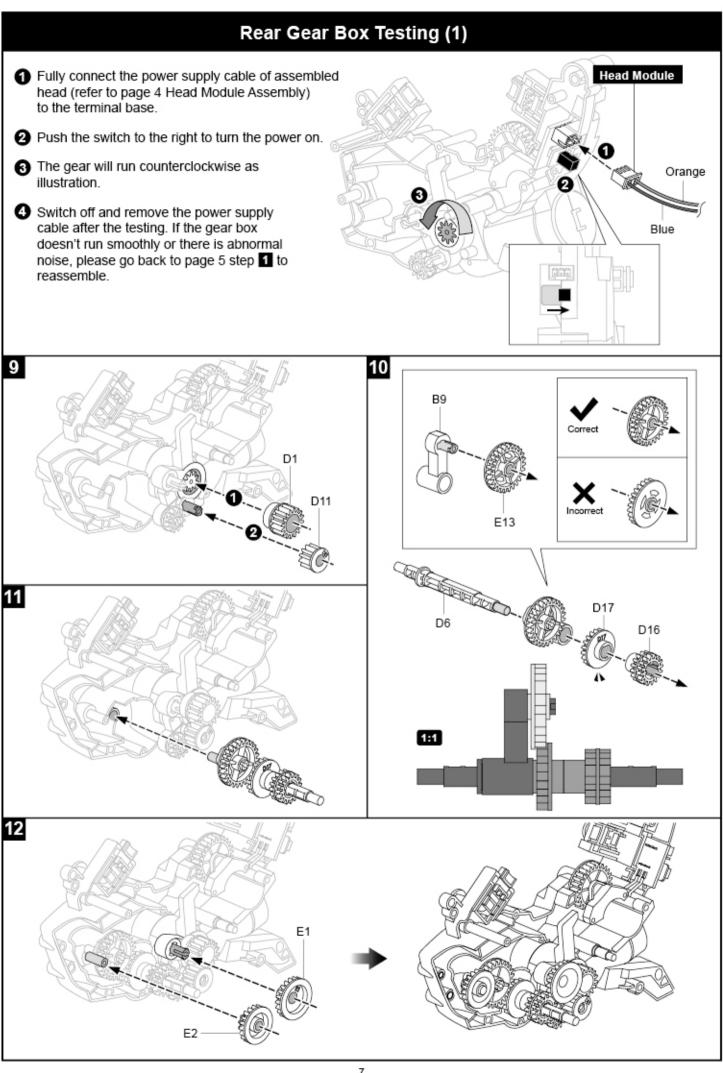


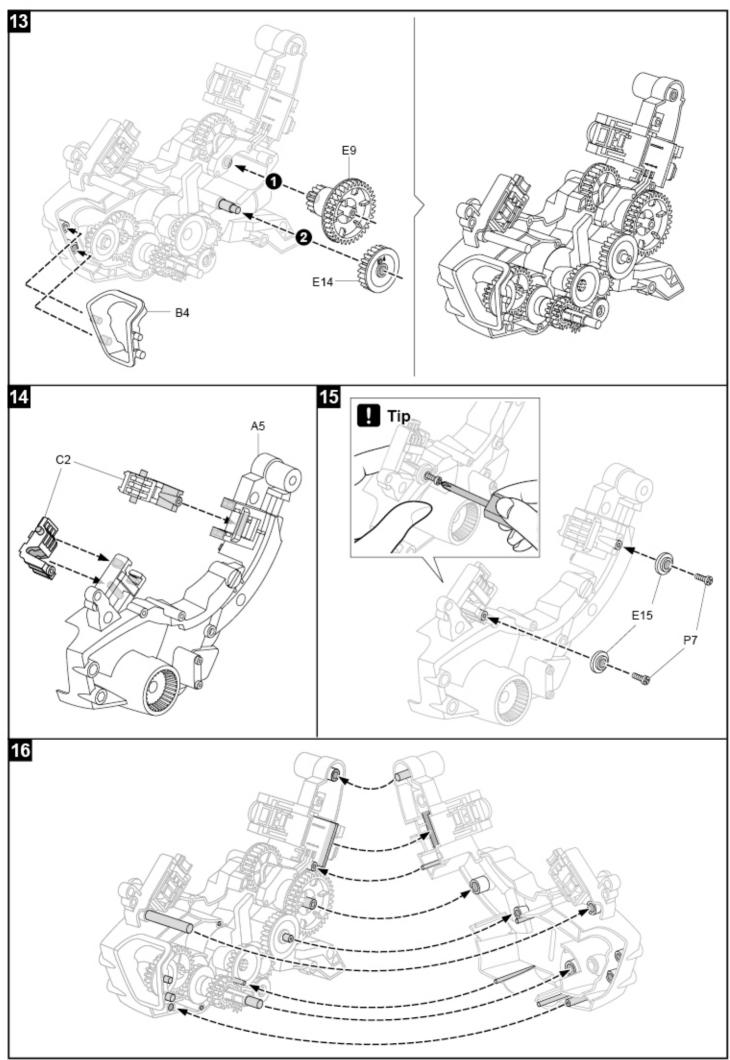
#### **Head Module Assembly**

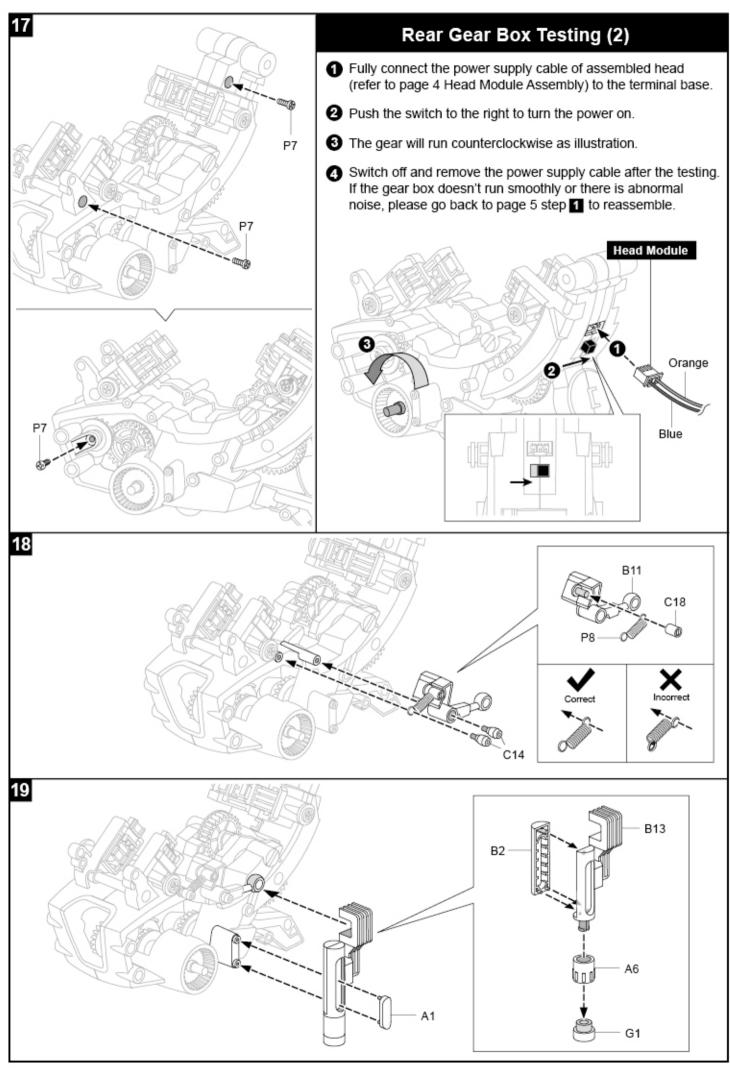


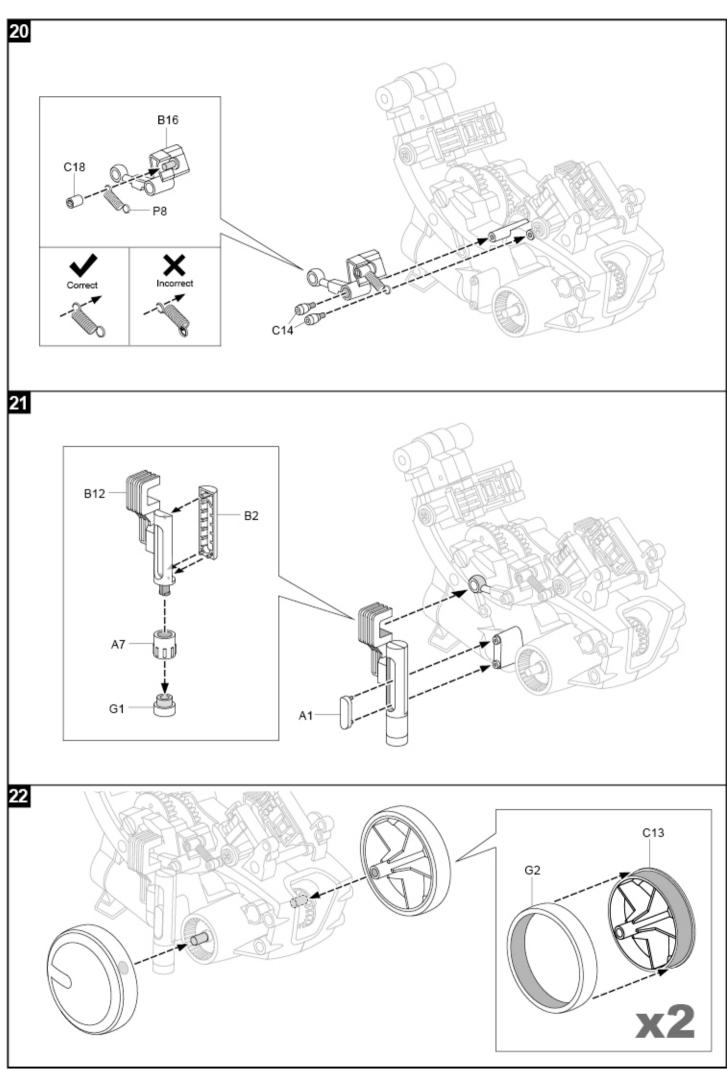


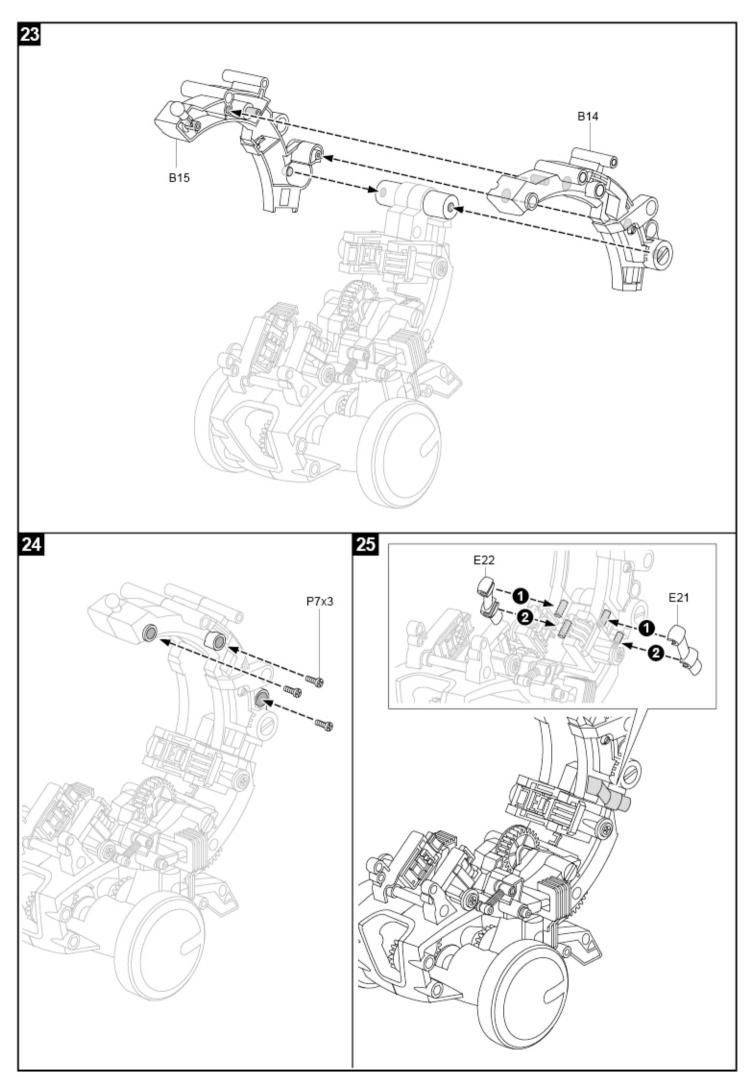


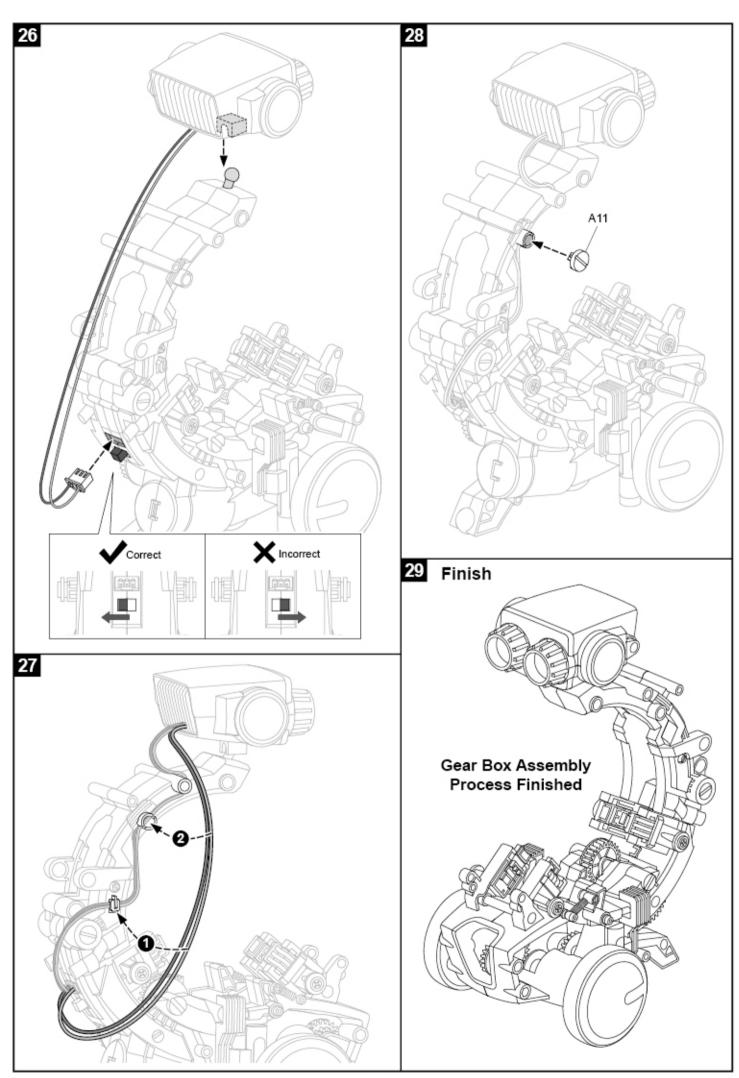






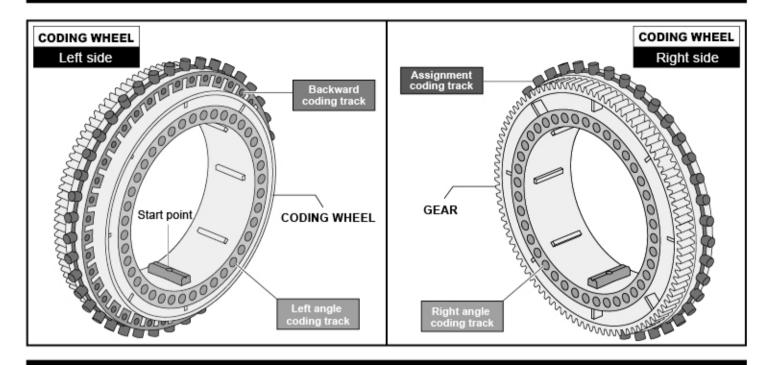




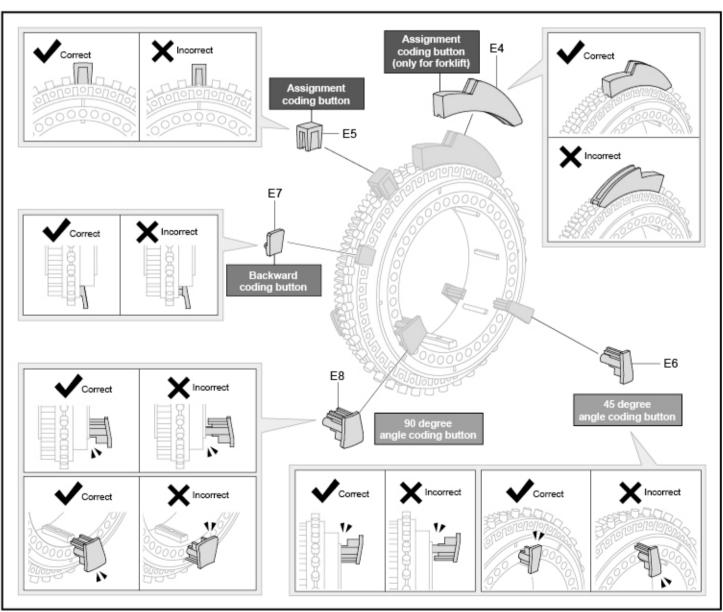


# **Accessory Module Assembly** MODULE 1 MODULE 2 C8 MODULE 3 MODULE 4 C19 E16 C20 **Coding Wheel Assembly** АЗ

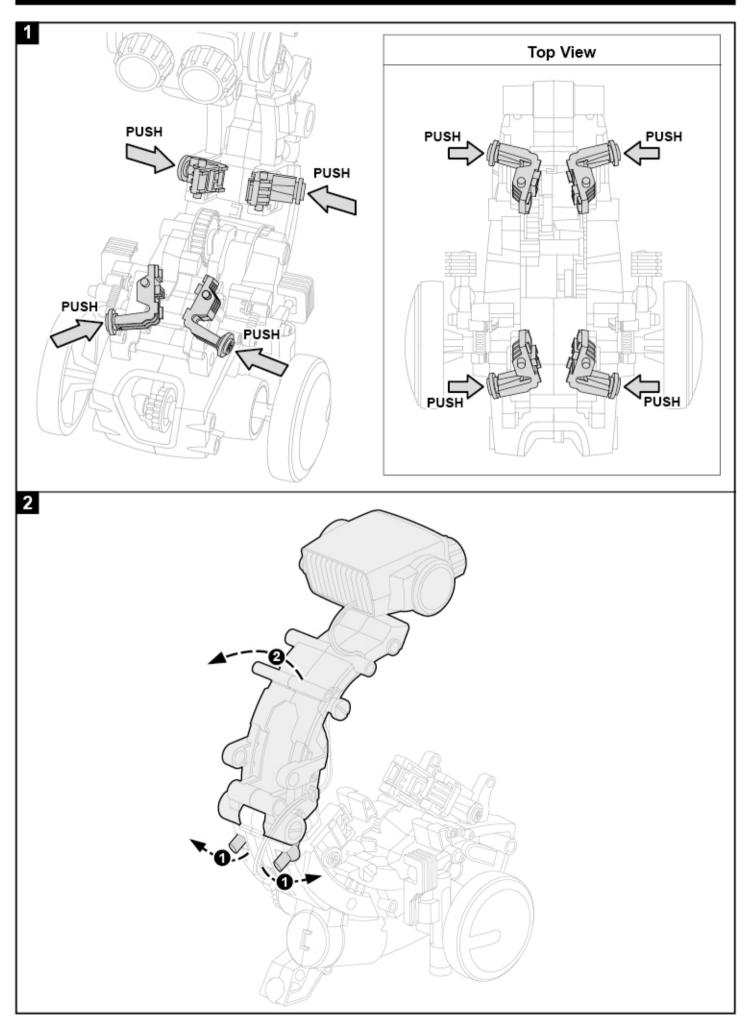
#### **About Coding Wheel**

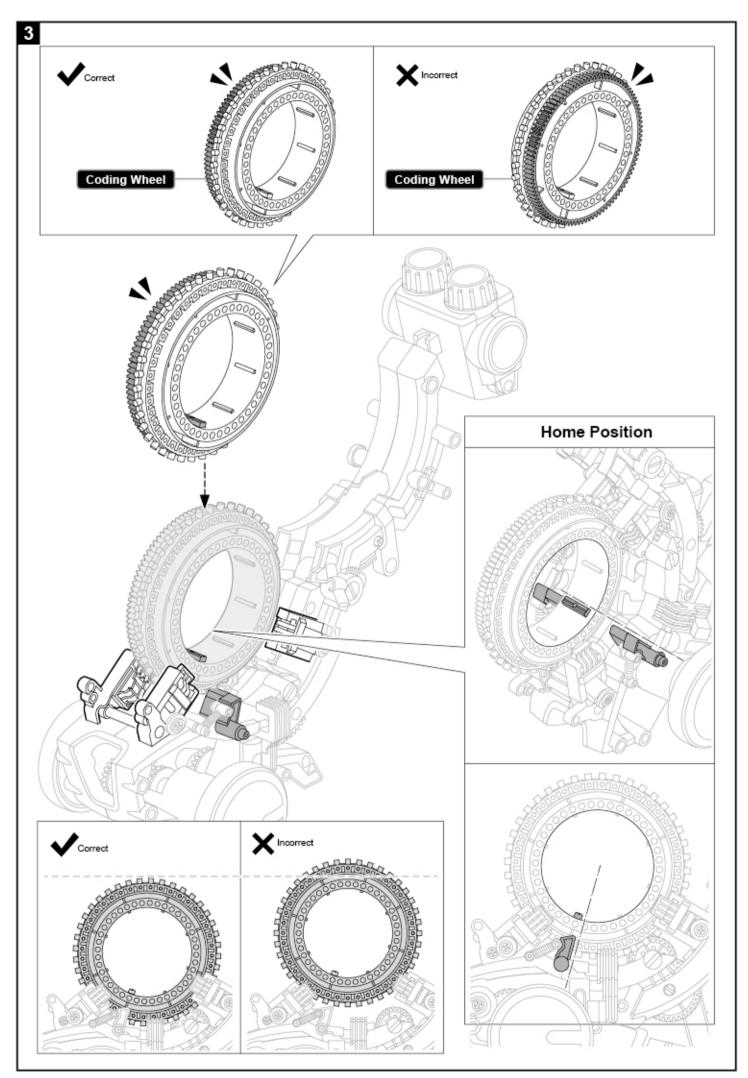


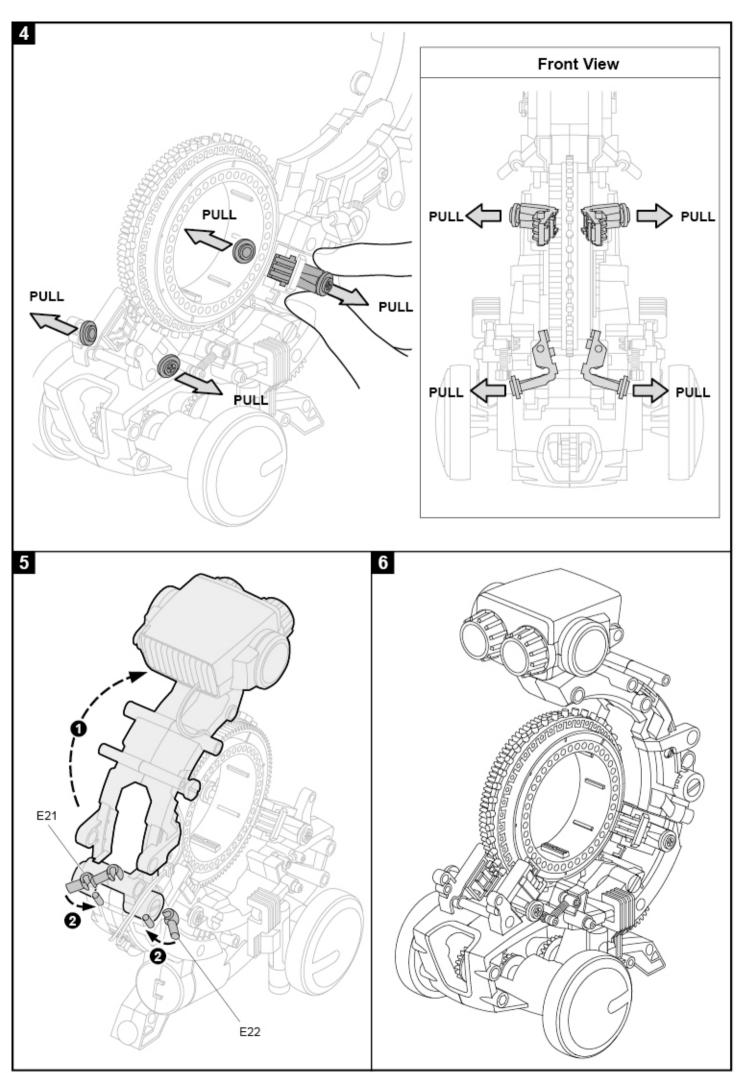
#### **How to Install Coding Buttons**



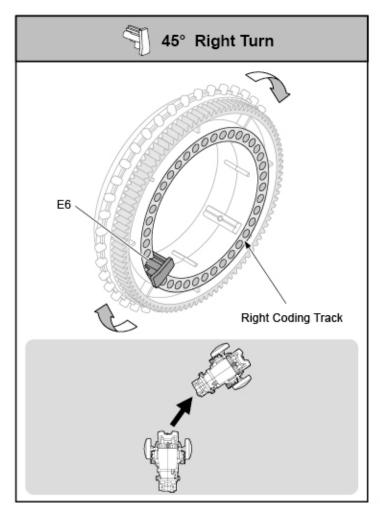
## How to Install the Coding Wheel

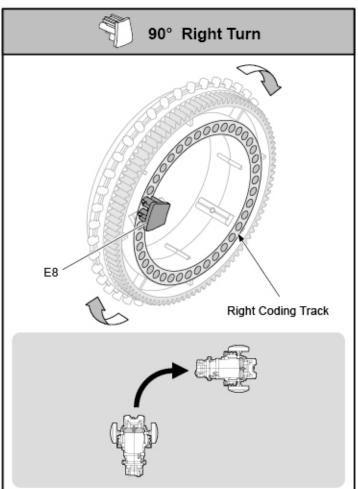


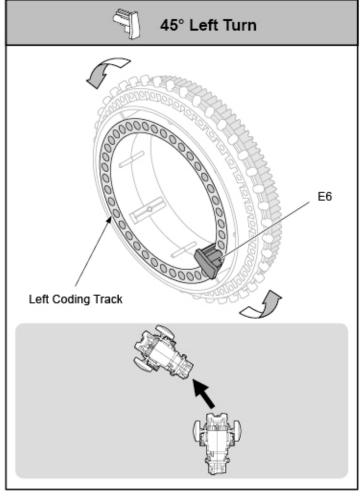


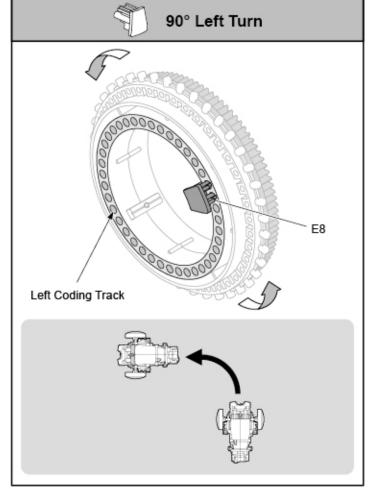


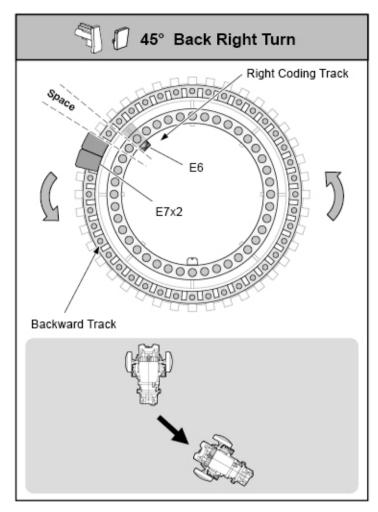
## How the Coding Buttons Work

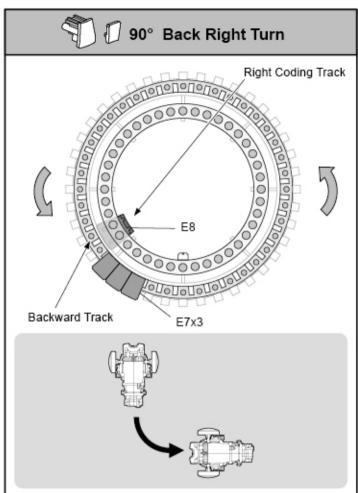


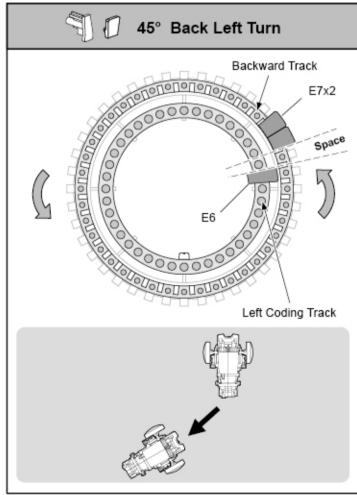


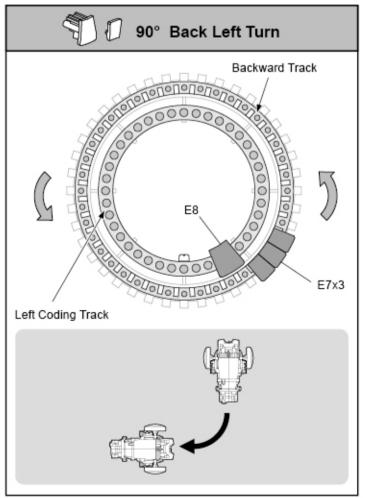


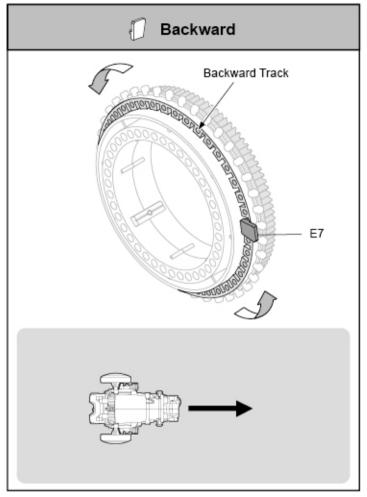


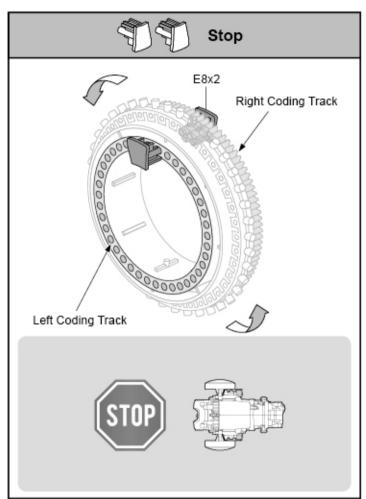


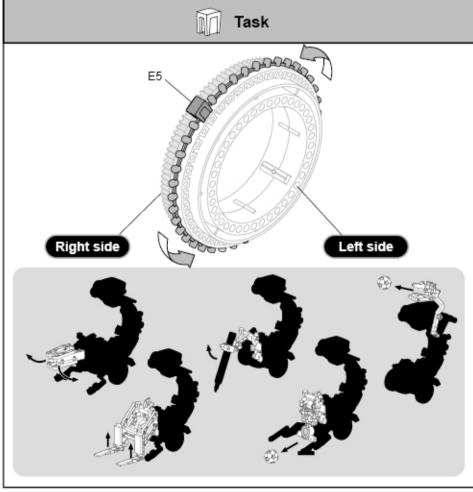


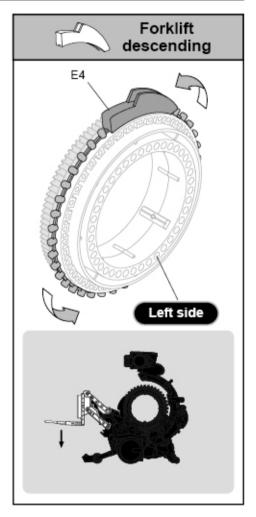




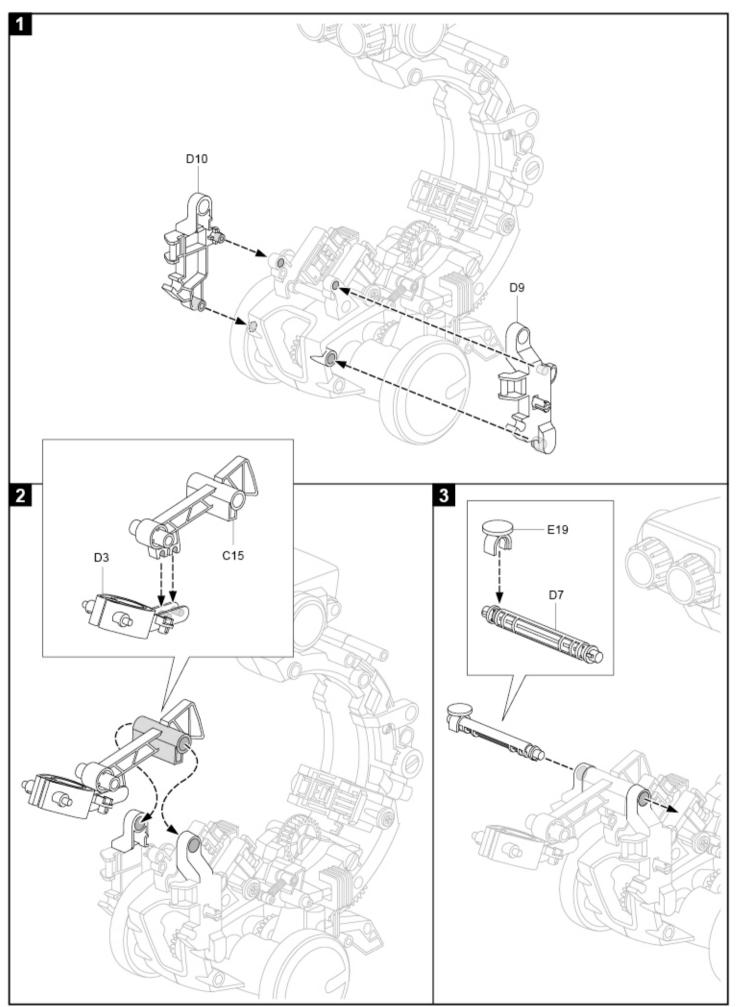


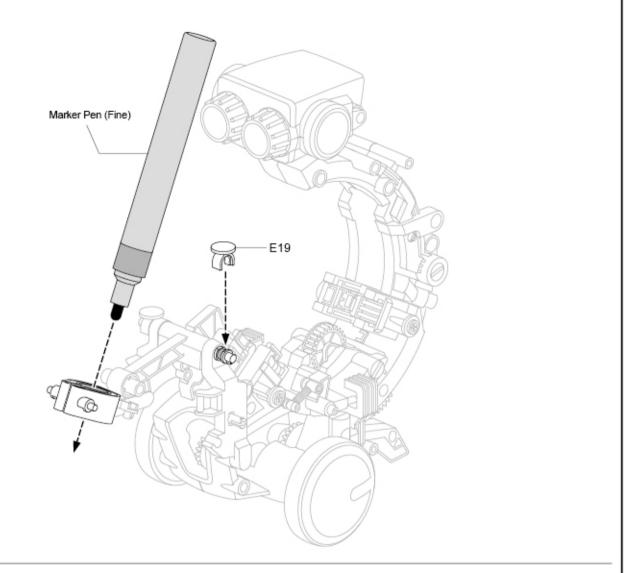


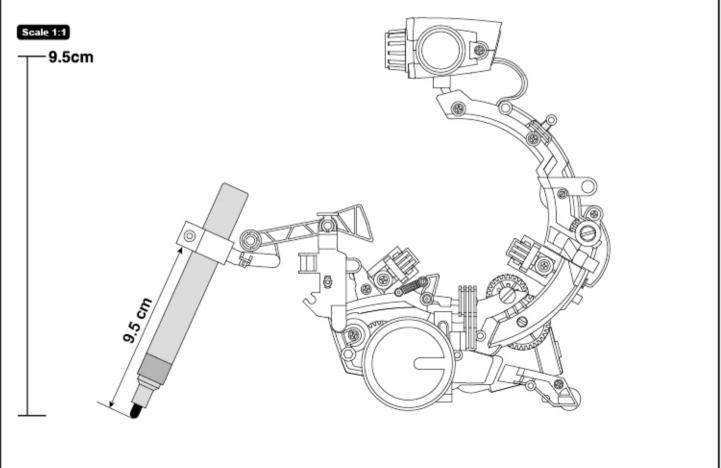




## Drawing-bot Assembly







https://www.youtube.com/playlist?list=PLCDHXNSOfhXMsuOyGT2QytmDgF8gOnFhP



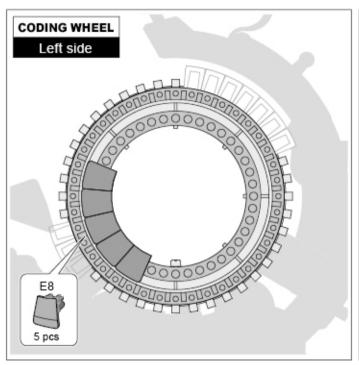
Parts Required:

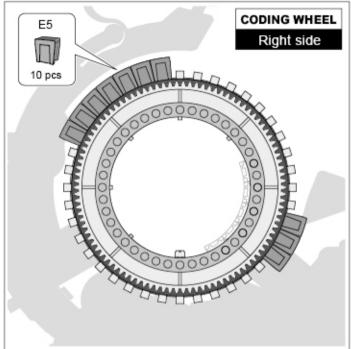


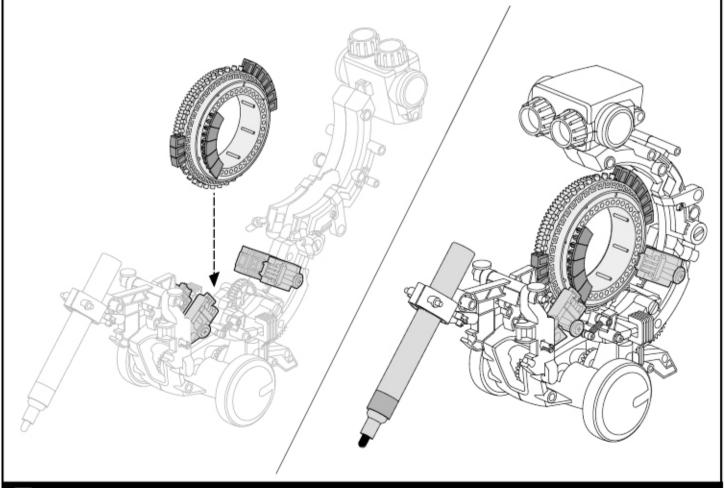


E5x10

Pay attention to assembly sequence and position on both sides of the coding wheel.

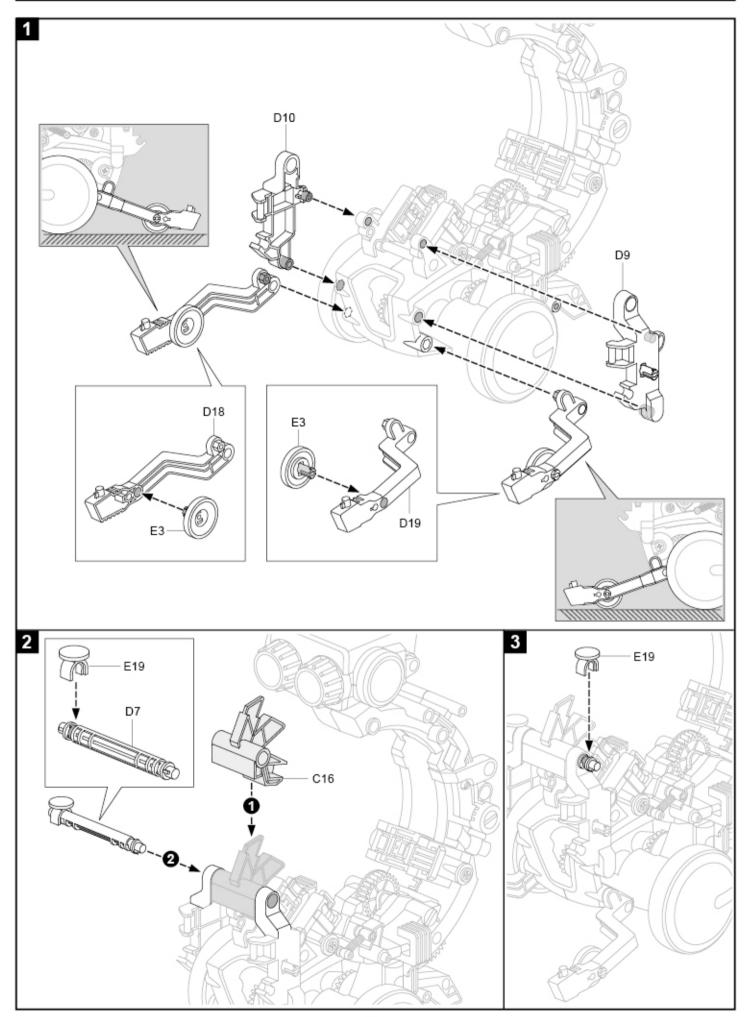


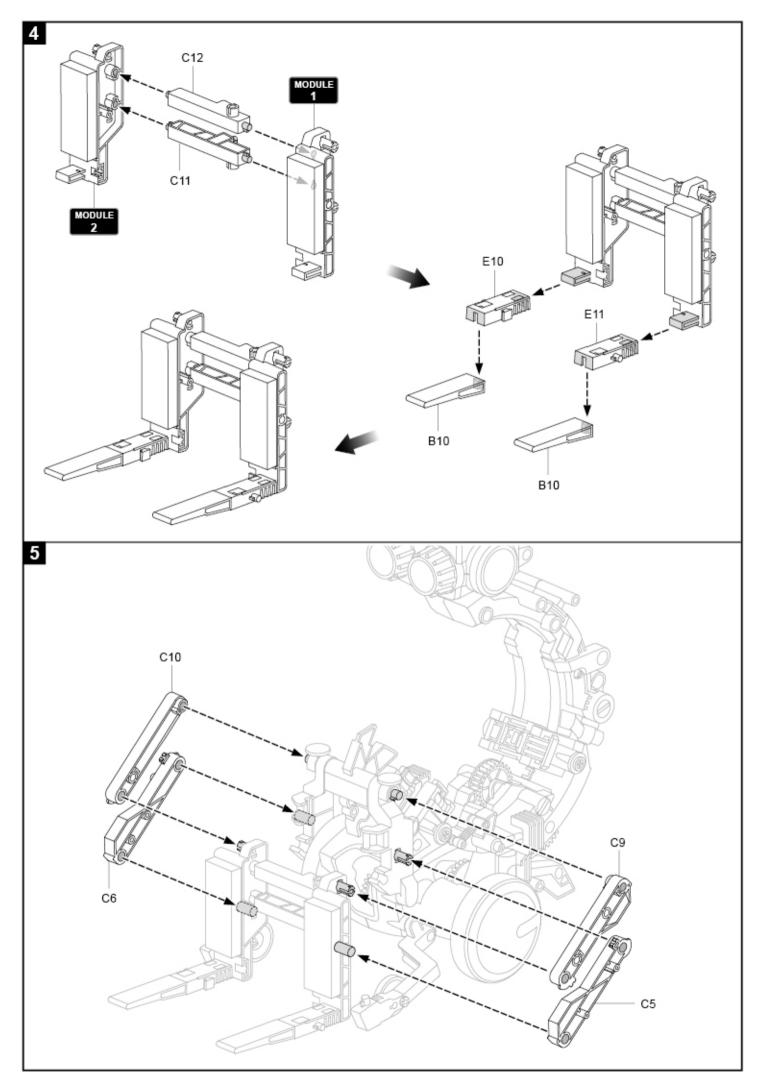




Please refer to page 15 step 1 to page 17 step 6 . Ensure the coding wheel is assembled correctly.

## Forklift-bot Assembly





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#### Parts Required:



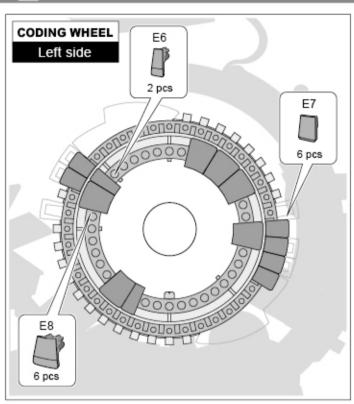


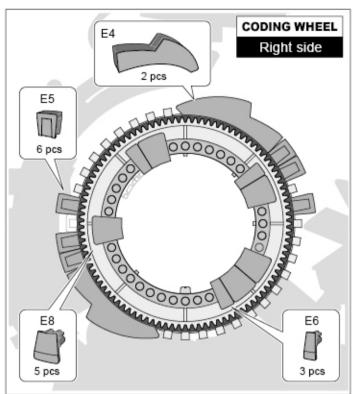


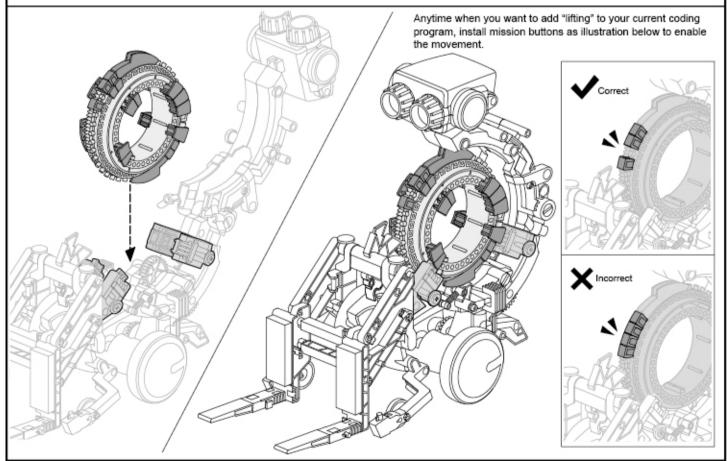




Pay attention to assembly sequence and position on both sides of the coding wheel.

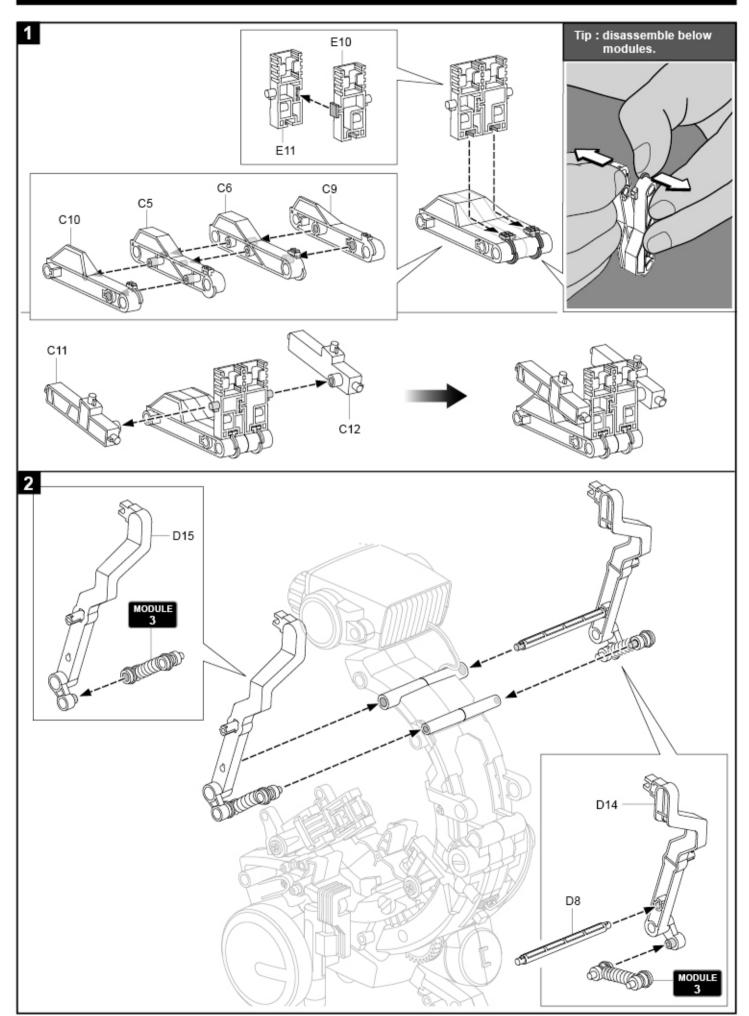


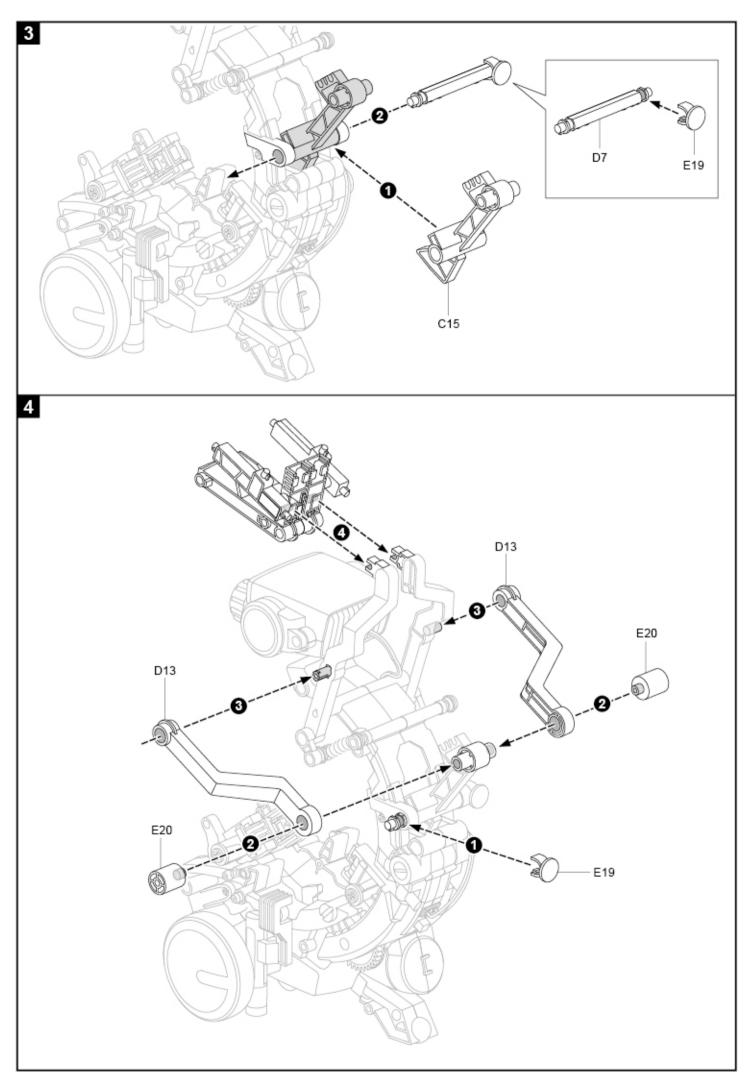




Please refer to page 15 step 1 to page 17 step 6 . Ensure the coding wheel is assembled correctly.

## **Throwing-bot Assembly**







#### Parts Required:



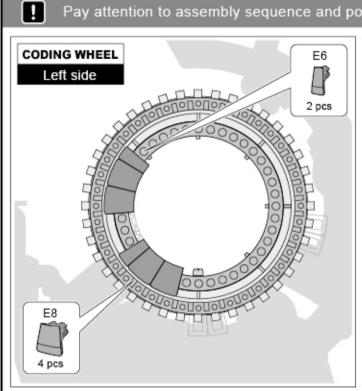


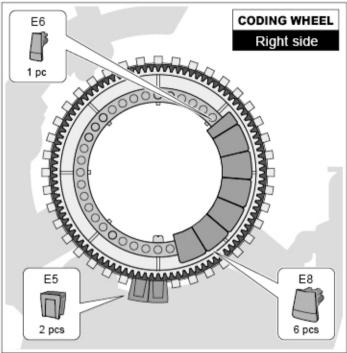


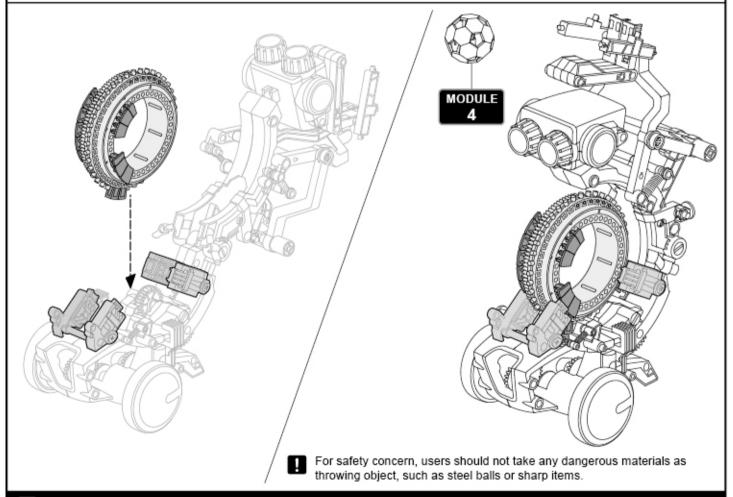
E5x2

E6x3

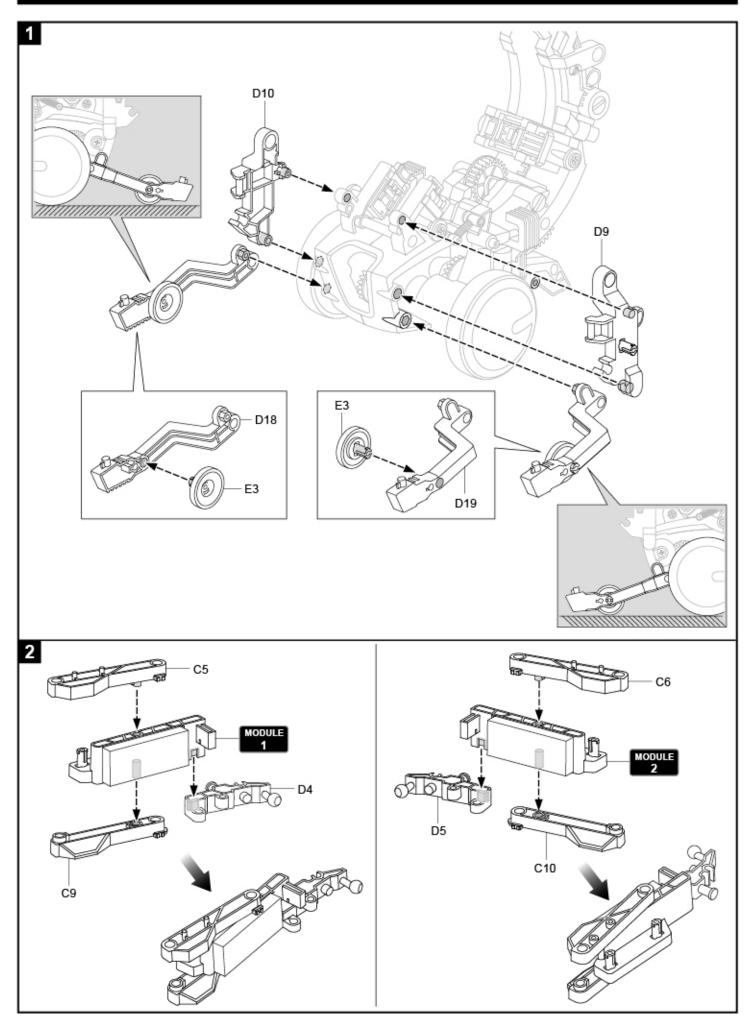
Pay attention to assembly sequence and position on both sides of the coding wheel.

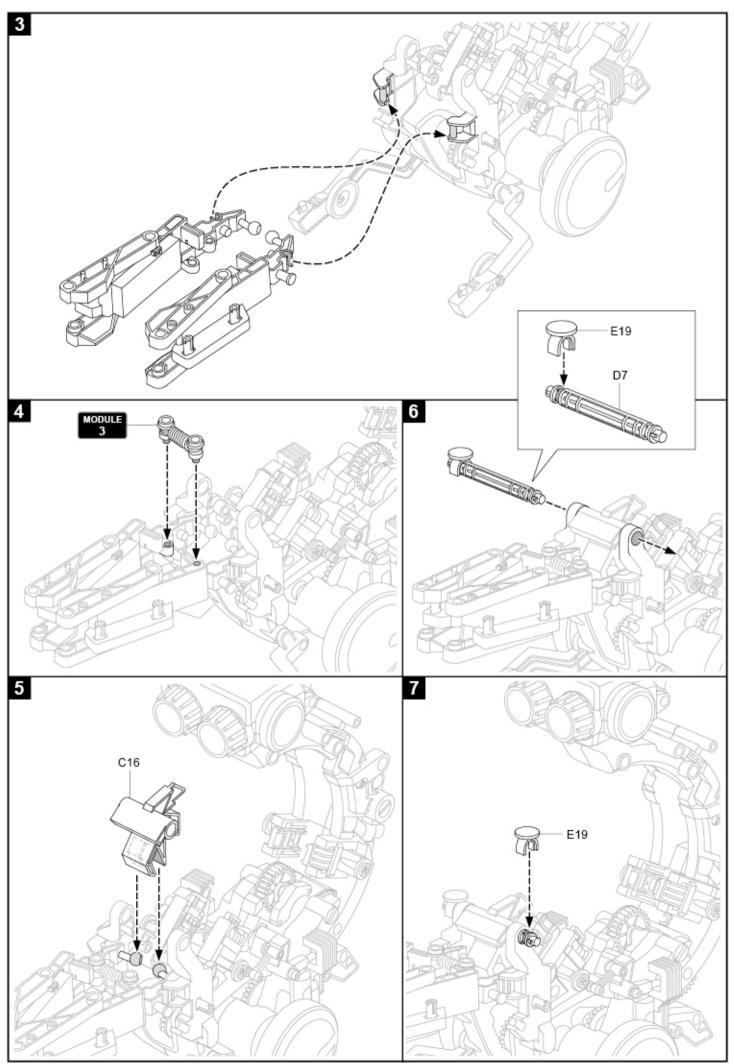






## **Gripper-bot Assembly**





# Gripper-bot Example 01

#### Video Tips



https://www.youtube.com/playlist?list=PLCDHXNSOfhXM6ym4TOAzuX2fg3jm5mGym

Parts Required:





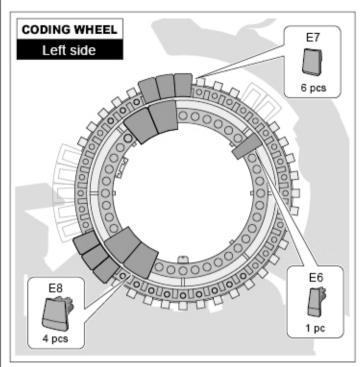
E6x2

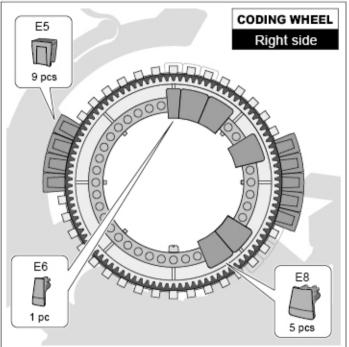


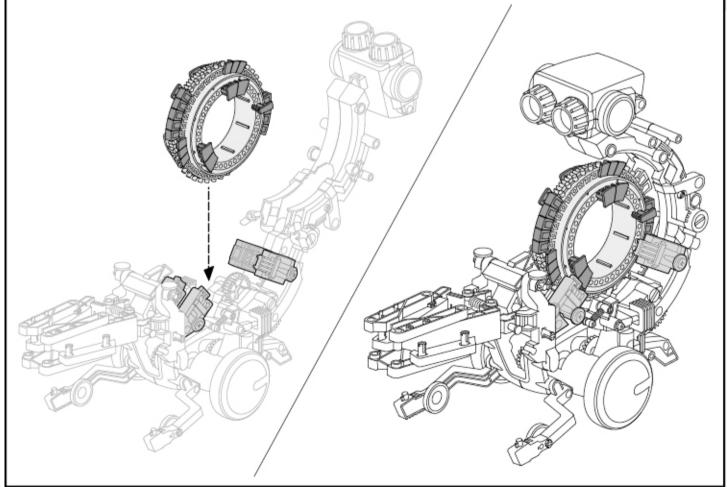


Pay att

Pay attention to assembly sequence and position on both sides of the coding wheel.

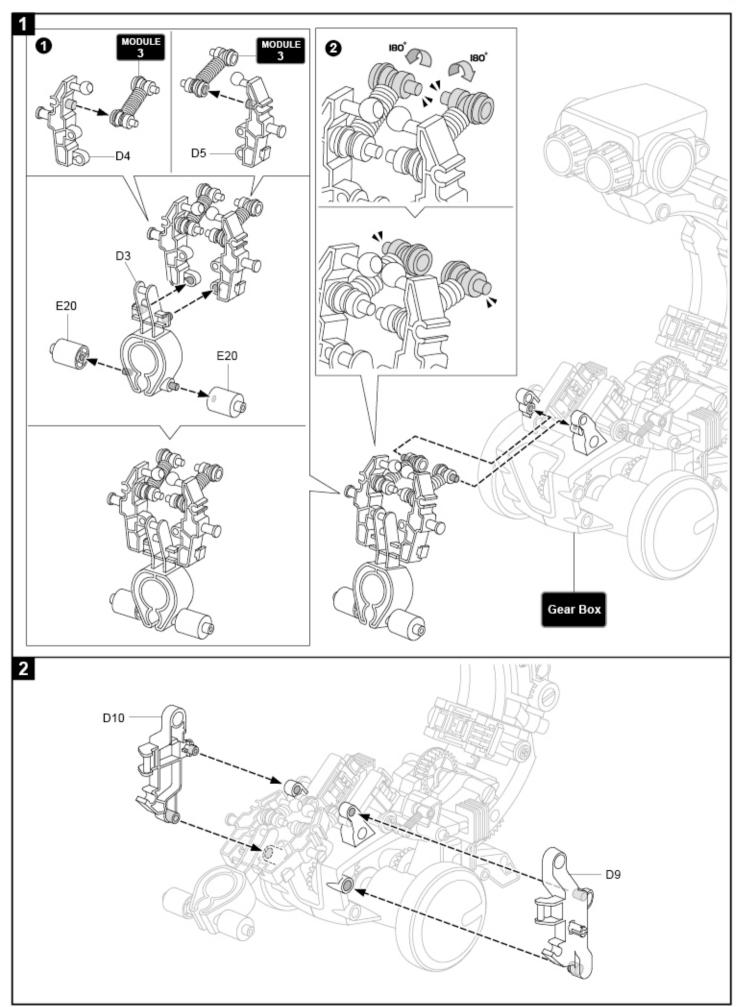


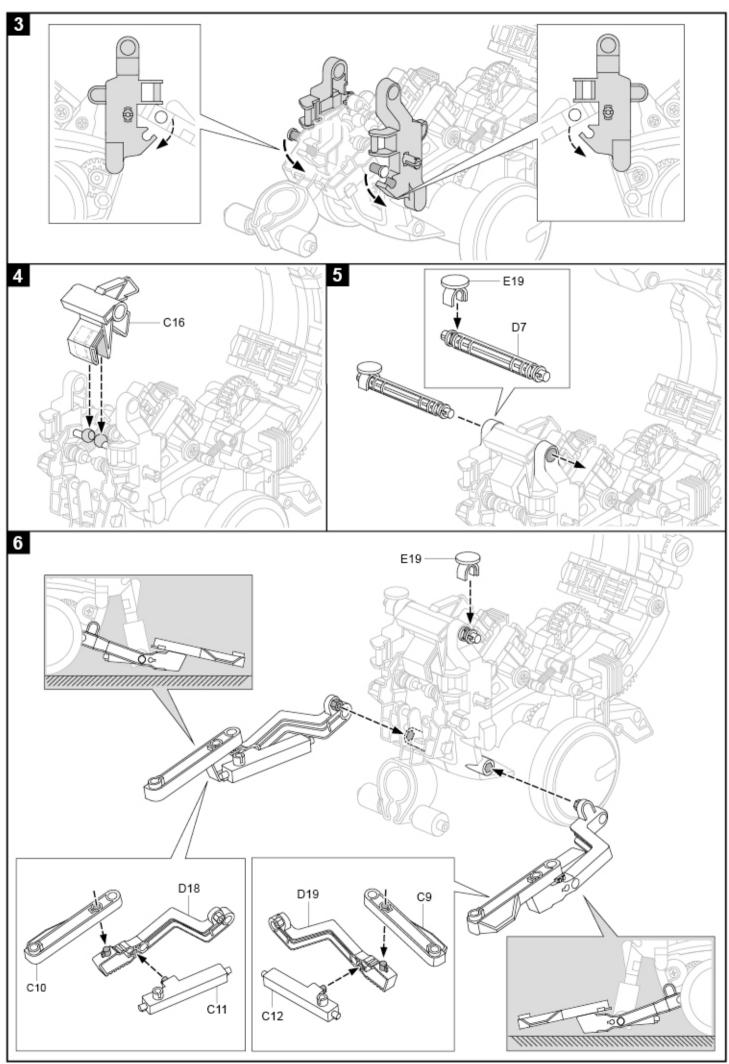




Please refer to page 15 step 1 to page 17 step 6 . Ensure the coding wheel is assembled correctly.

## **Soccer-bot Assembly**





https://www.youtube.com/playlist?list=PLCDHXNSOfhXPsUHzAokocWmGMxVvQVA5k



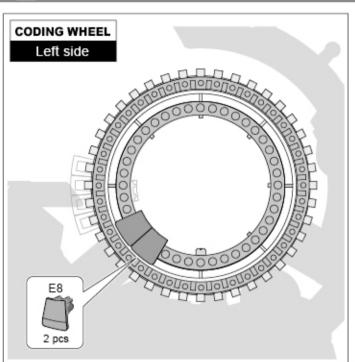
Parts Required:

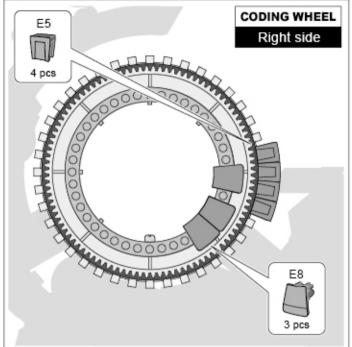


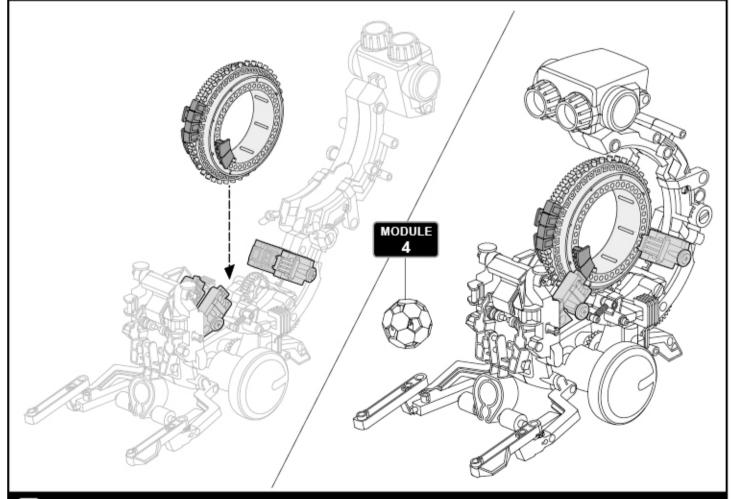


E5x4 E

Pay attention to assembly sequence and position of both sides of the coding wheel.

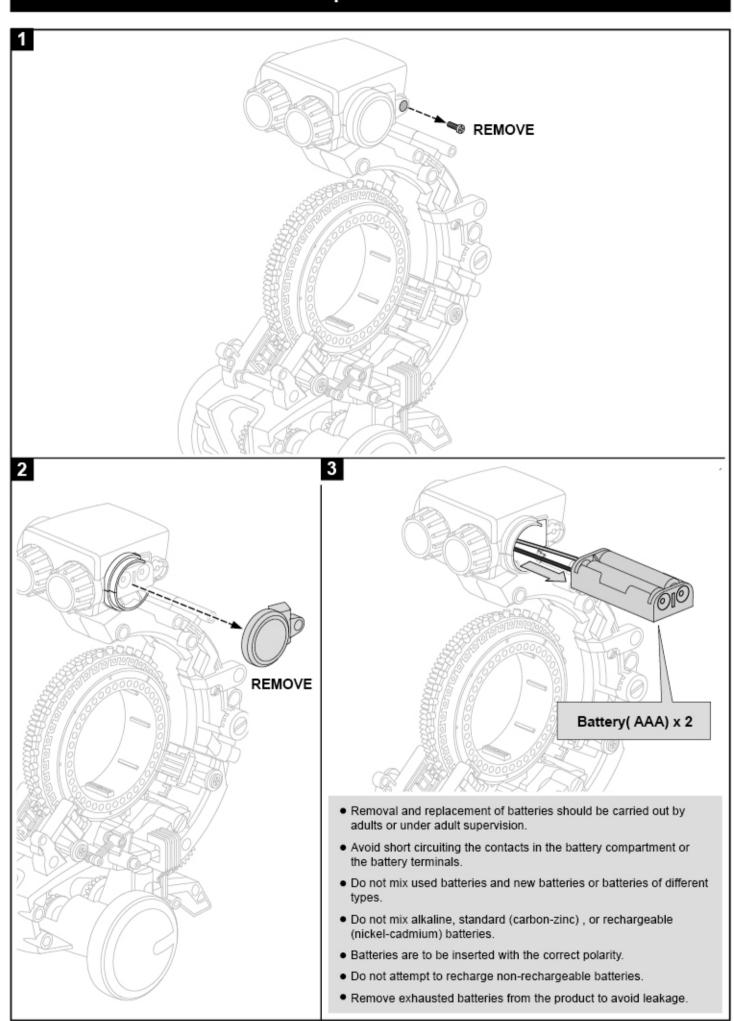






Please refer to page 15 step 1 to page 17 step 6 . Ensure the coding wheel is assembled correctly.

#### How to Replace the Batteries



#### Trouble Shooting

- 1. Ensure all coding buttons are assembled correctly (refer to page 14).
- 2.Ensure the coding wheel is assembled correctly (refer to pages 15~17, steps 1 ~ 6).
- 3.If the robot does not move smoothly or appropriately when turning right/left or stopping, please go back to pages 9~10 and ensure steps 18 ~ 21 are correctly executed.
- 4.If the robot does not move smoothly or appropriately when going backward, please go back to page 6 step 7 to check if parts **B5**, **B7**, and **D12** are assembled in the right way.
- 5.If the Drawing-bot does not follow the coding program correctly, please go back to page 21 step 2 to check if parts **D3** and **C15** are assembled in the right way.
- 6.If the Forklift-bot does not follow the coding program correctly, please go back to page 26 to check if part E5 is assembled in the right way.
- 7.If the Throwing-bot does not follow the coding program correctly, please go back to page 17 step 5 to check if parts **E21** and **E22** are assembled in the right way.
- 8.If the Gripper-bot does not follow the coding program correctly, please go back to page 31 step 5 to check if part C16 is assembled in the right way.
- 9.If the Soccer-bot does not follow the coding program correctly, please go back to page 34 step 4 to check if part C16 is assembled in the right way.



- Removal and replacement of batteries should be carried out by adults or under adult supervision.
- Avoid short circuiting the contacts in the battery compartment or the battery terminals.
- Remove exhausted batteries from the product to avoid leakage.
- Do not mix used batteries and new batteries or batteries of different types.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Batteries are to be inserted with the correct polarity.
- Do not attempt to recharge non-rechargeable batteries.
- Rechargeable batteries are only to be charged under adult supervision.
- Rechargeable batteries are to be removed from the toy before being charged.







