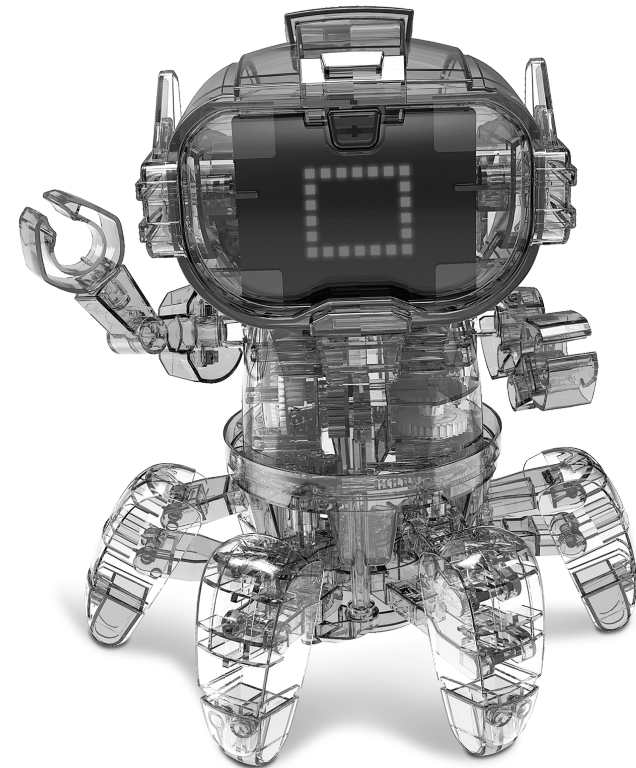


**UNCOMMON
CARRY**



DIY MINI
ROBOT V2

USER GUIDE



DISTRIBUTED BY
UNCOMMON CARRY

207-536-1174
www.uncommoncarry.com
10 W Point Ln., Suite 10-215,
Biddeford, ME 04005

TABLE OF CONTENTS

01. This product is only intended for children eight (8) years of age or above and must be assembled by or with the supervision of an adult or guardian over the age of 18. Parents or guardians must accompany the children to read and understand the manual before doing any experiments. To avoid overheating the motor, please follow the instructions carefully during assembly.

02. This toy contains small parts. Please keep away from children under the age of eight (8) to avoid the danger of swallowing and suffocation.

03. This product contains functional sharp edges and sharp tips.

04. Plastic bags are a suffocation risk and should be kept away from children and disposed of after assembly is completed.

05. An adult must always supervise and guide children when using the cutting tools.

06. To avoid accidental damage or harm, a parent or guardian must always check to ensure the assembly is performed as instructed.

07. DO NOT short-circuit the battery. This can cause overheating, battery leakage, or battery burst, which may cause harm to children.

08. Before use, please check and ensure the connecting cord is not damaged. If damaged, stop use immediately. The cord must be repaired by a professional, or a new cord must be used instead.

09. DO NOT disassemble or assemble the electric components. This can cause overheating, battery leakage, or battery bursts.

10. The manual contains important information and must be retained for future reference.

CHILD MANUAL

This toy contains small objects. Do not allow children under eight (8) to use these objects.

When children use cutting tools, parents must guide their use and provide parental supervision.

To avoid the suffocation of minors, please destroy the plastic bags and any additional pieces after assembly is complete.

The manual contains relevant safety information for replaceable batteries.

- The product utilizes 4x 1.5V “AAA” non-rechargeable batteries.
- The batteries must be loaded correctly according to the polarity and voltage marks on the battery box. The battery must not be short-circuited.
- Use only new batteries of the same brand, do not mix old and new batteries.
- DO NOT leave the batteries in the toy if the toy will not be used for an extended period.
- The power terminals must not be short-circuited.
- DO NOT connect to more than the recommended number of power sources.

01 TOOLS YOU MAY NEED

01 MECHANICAL PARTS

02 PLASTIC PARTS

02 BODY MODULE COMPONENTS

05 HEAD MODULE ASSEMBLY



12 FOOT AND ARM MODULE ASSEMBLY

13 HOW TO REPLACE THE BATTERY

14 HOW TO PLAY

15 APP USE INSTRUCTIONS

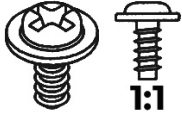
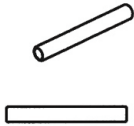
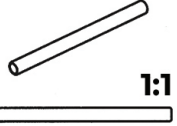
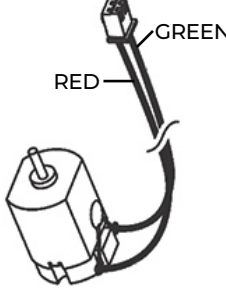
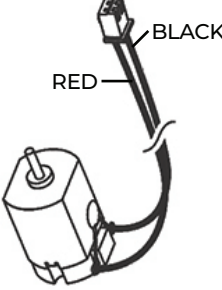

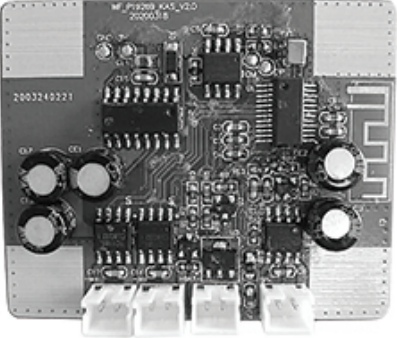
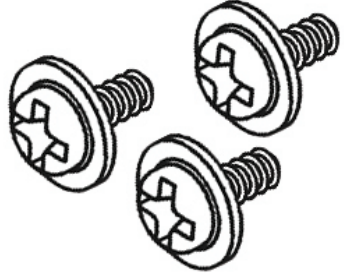
TOOLS YOU MAY NEED

Philips screwdriver 	4x Battery (AAA) <i>It is recommended to use alkaline batteries.</i> 
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MECHANICAL PARTS

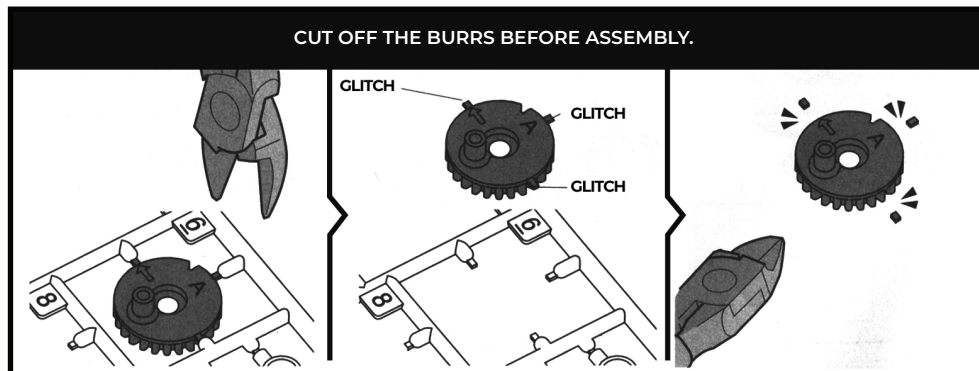
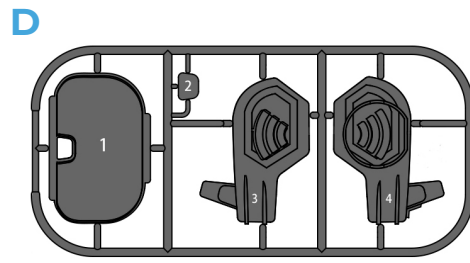
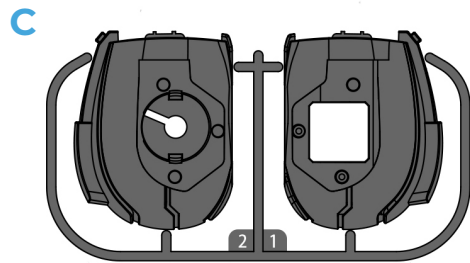
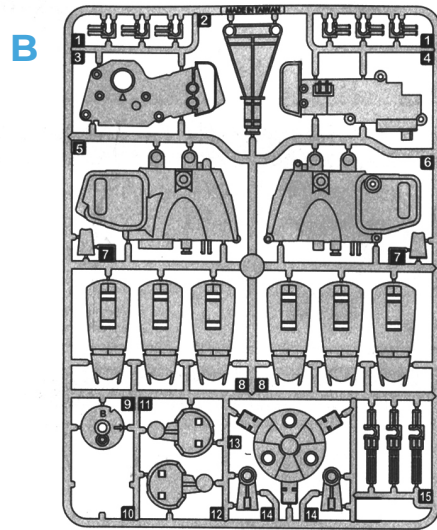
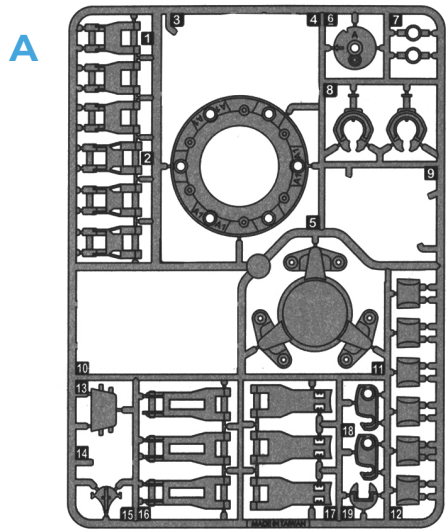
Product contains functional edges and sharp points.

P1 GEAR (WHITE) X2 	P2 GEAR 32/10T (F) X1 	P3 GEAR 32T (H) X1 
P4 GEAR 36/14T (G) X1 	P5 GEAR 36/14T (C) X2 	P6 MECHANISM 36T (E) X1 
P7 GEAR 40/10T (D) X1 	P8 GEAR 10 T (T) X2 	P9 PRESSURE SCREW X21 

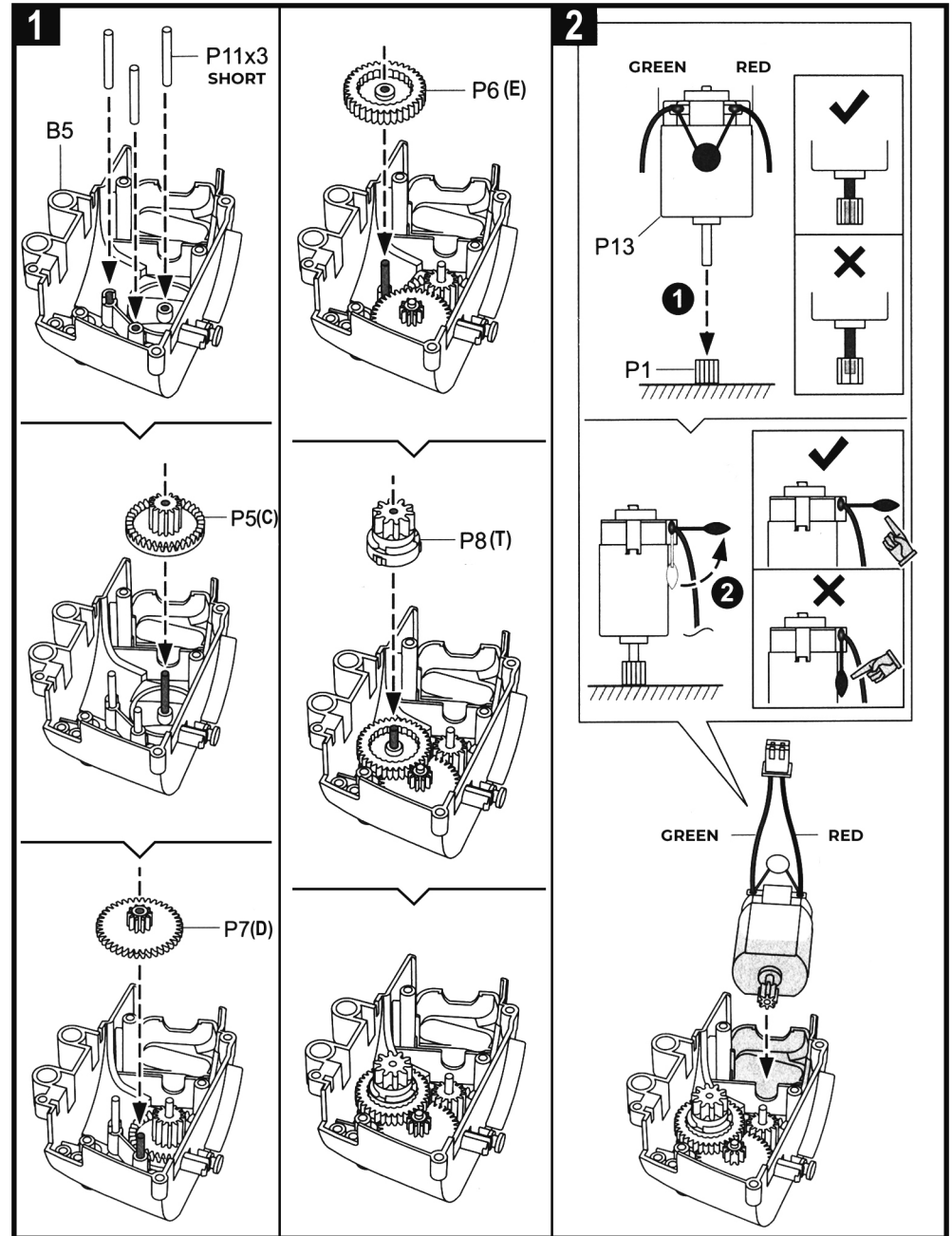
P10 PRESSURE SCREW X6 	P11 SHAFT (SHORT) X3 	P12 SHAFT (LONG) X2 
P13 PLUG-IN MOTOR X1 	P14 PLUG-IN MOTOR X1 	P15 BATTERY HOLDER WITH CONNECTOR X1 
P16 MOTHERBOARD 		P18 

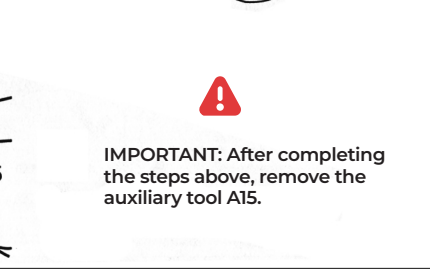
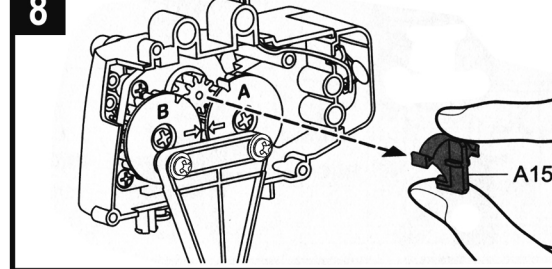
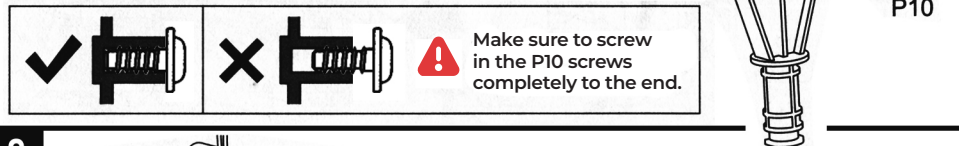
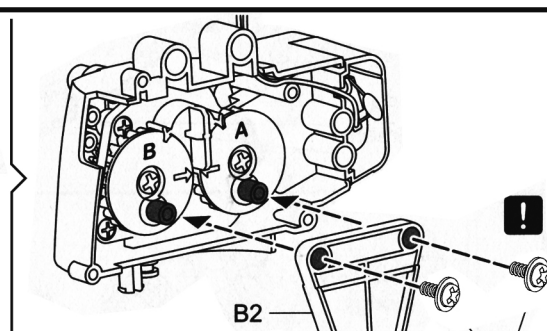
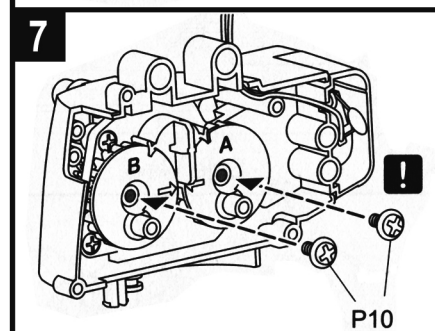
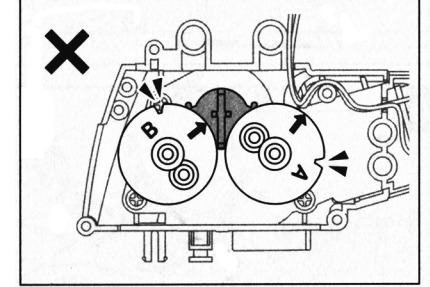
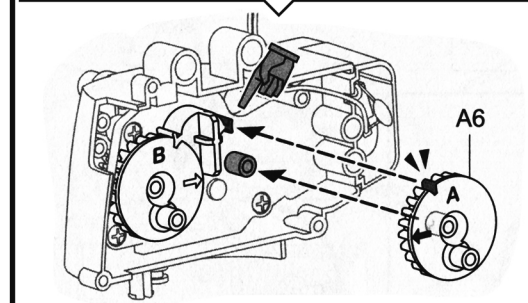
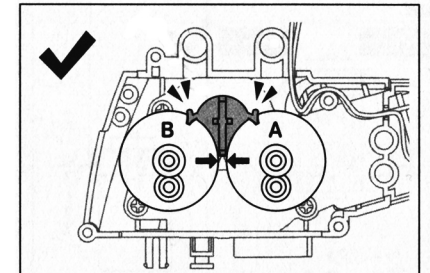
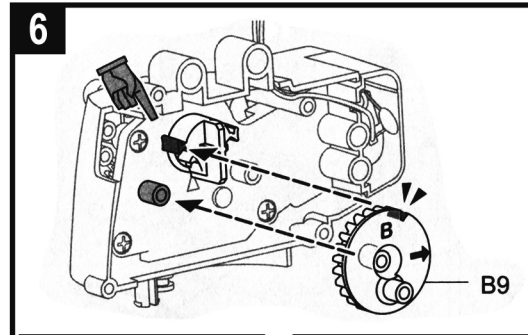
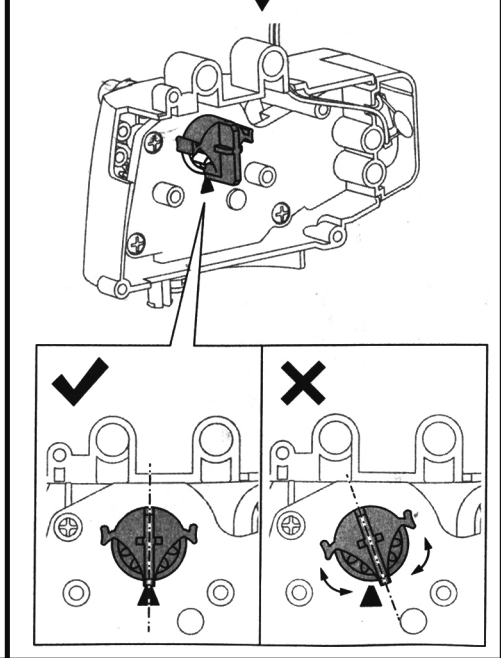
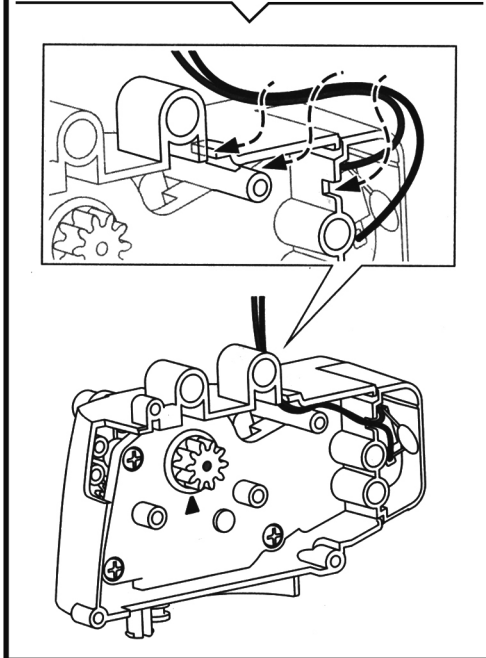
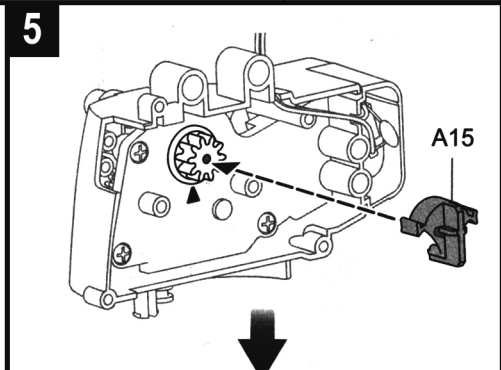
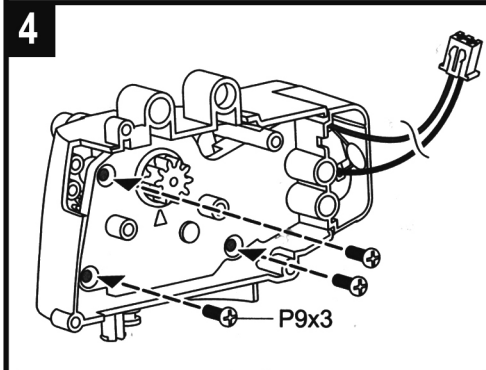
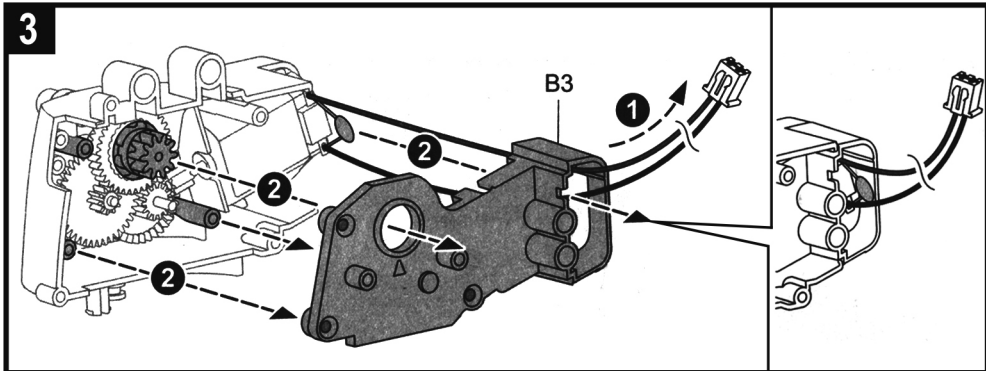
PLASTIC ACCESSORY

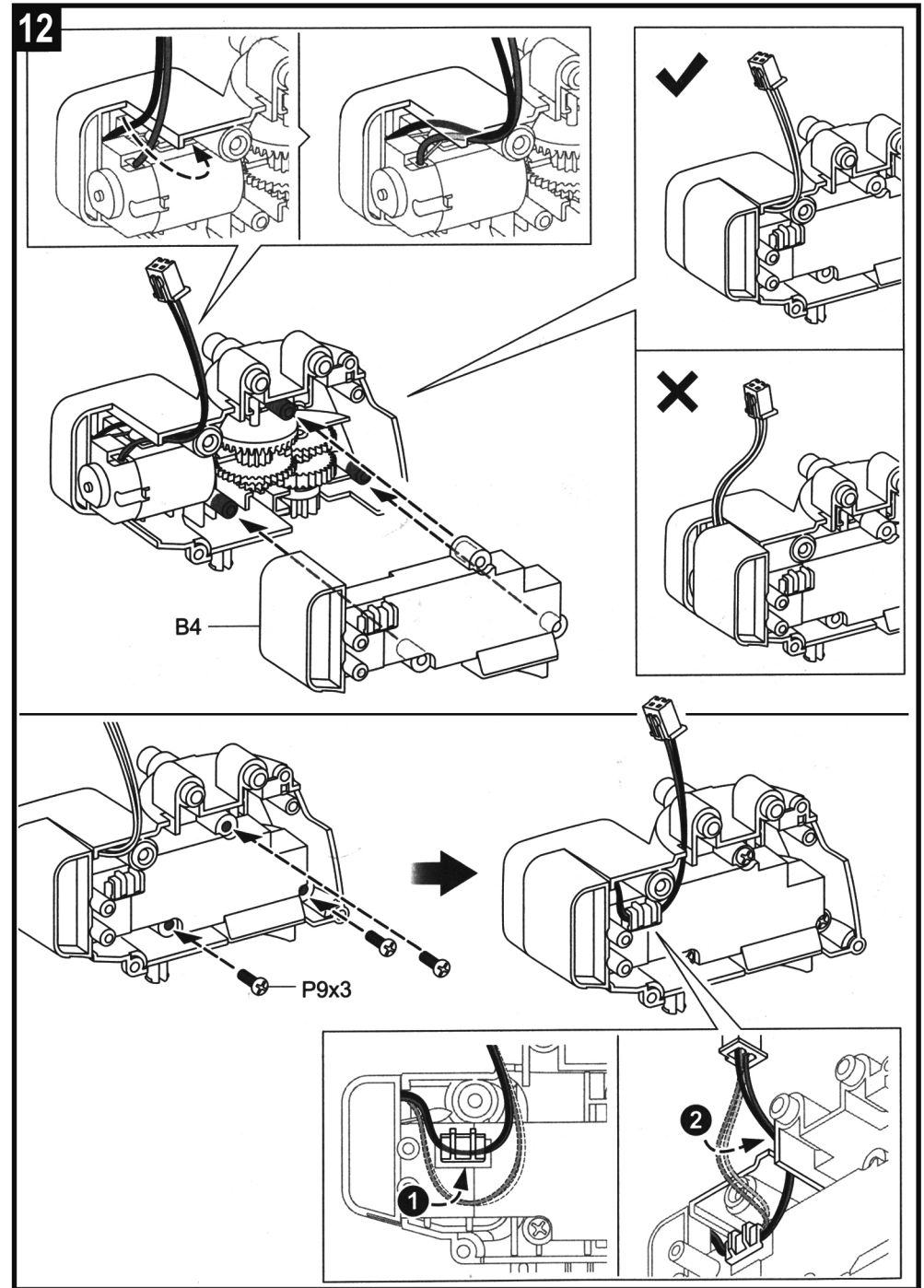
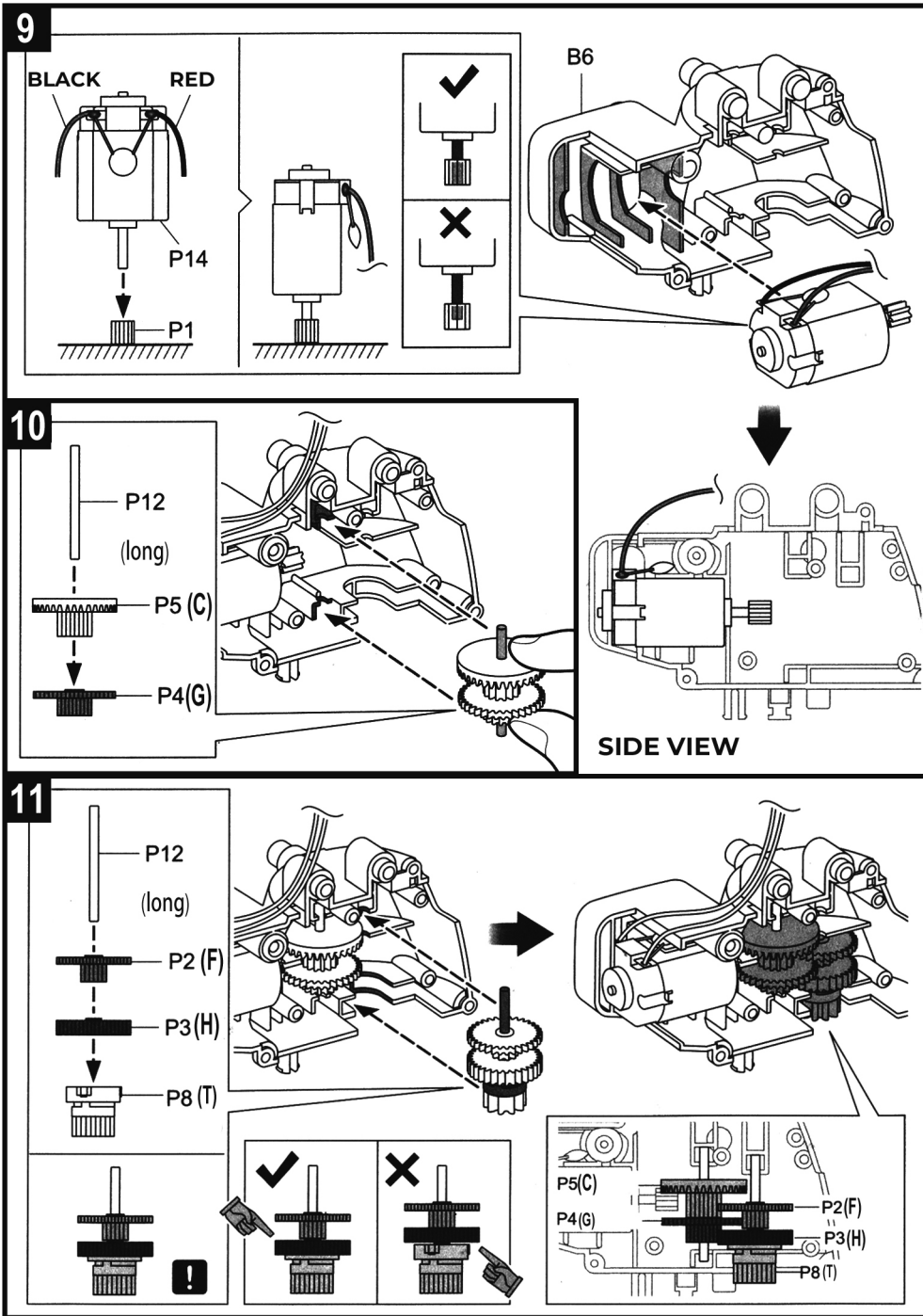
*Cut plastic parts only when needed.
Do not cut them in advance.*

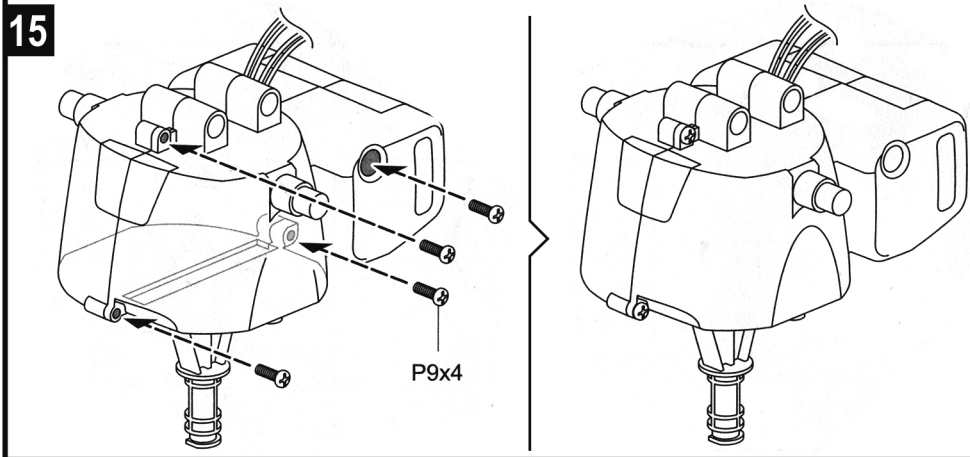
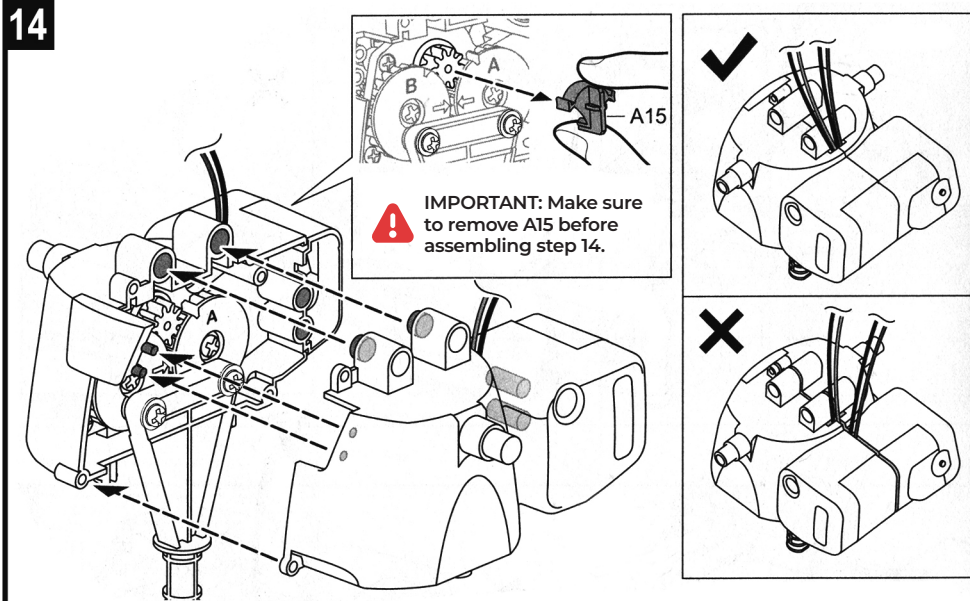
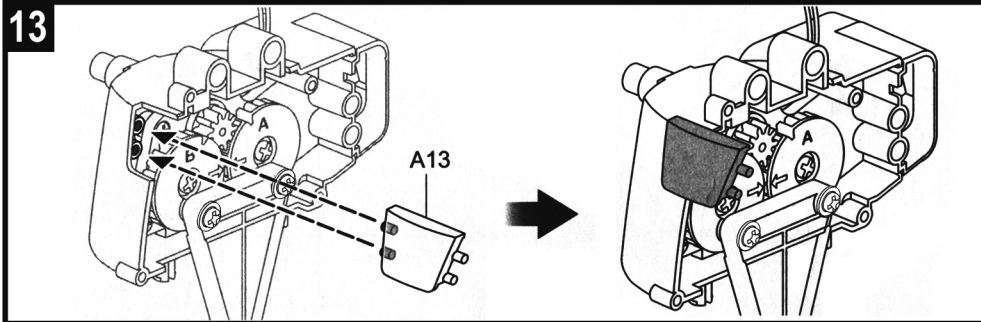


BODY MODULE COMPONENTS

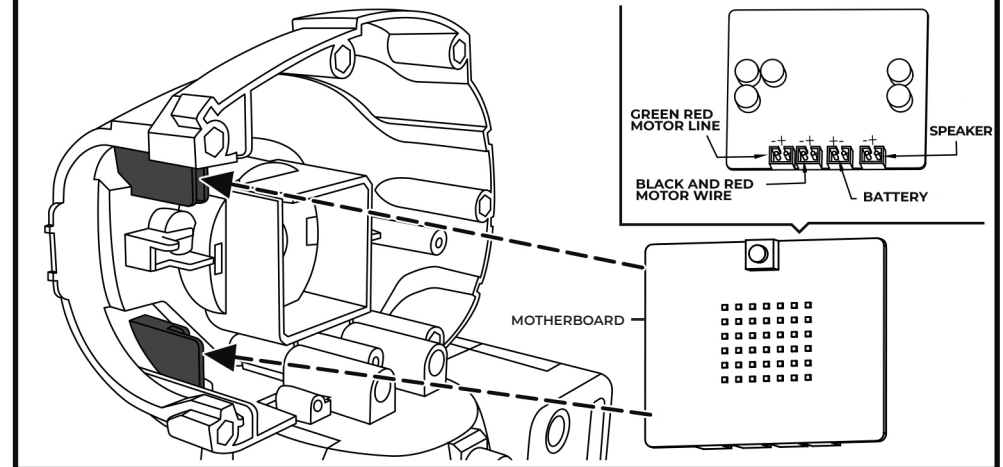
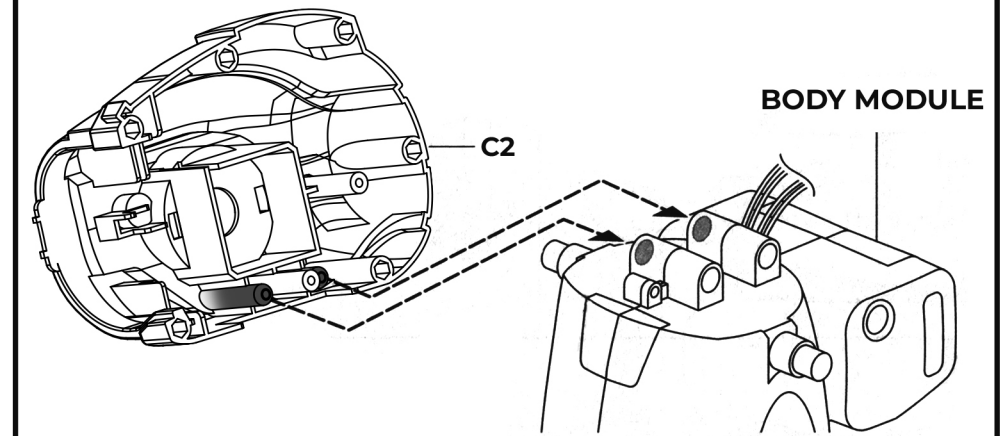
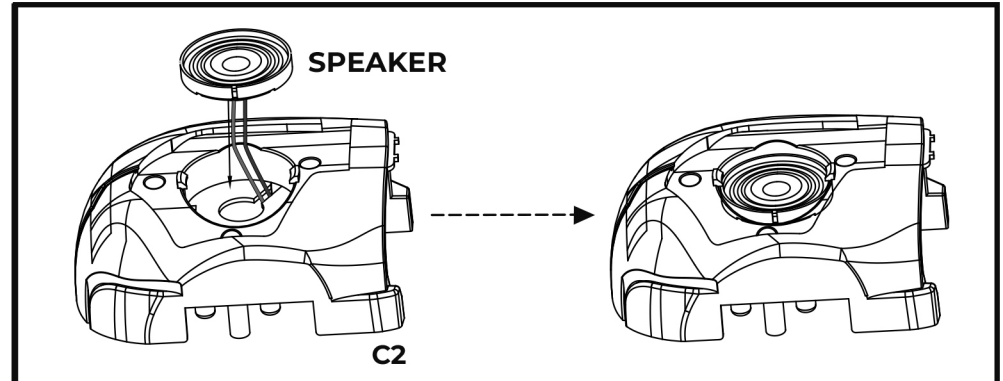




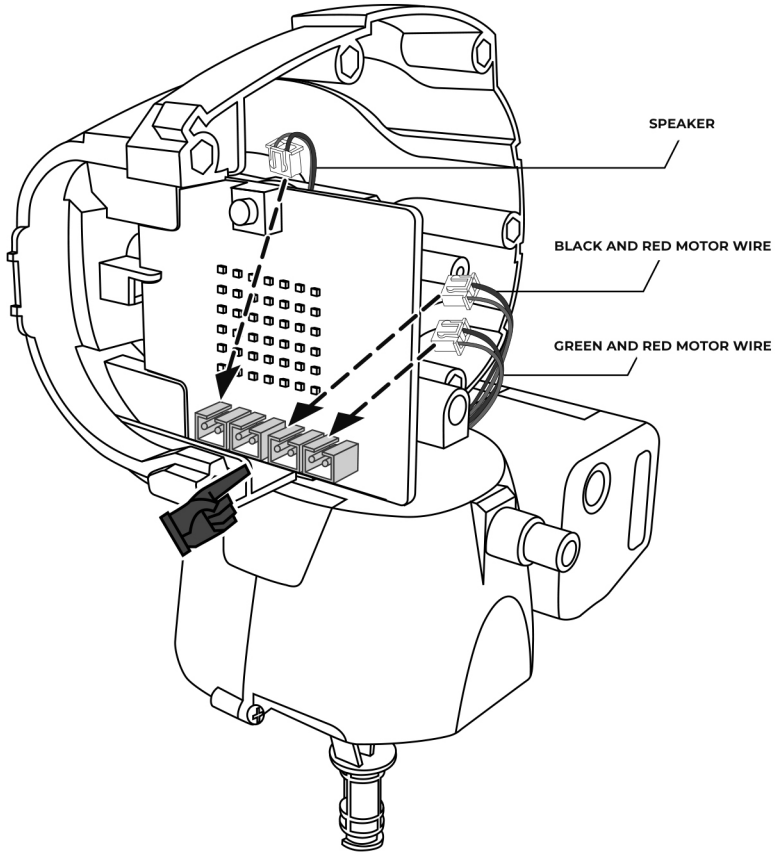




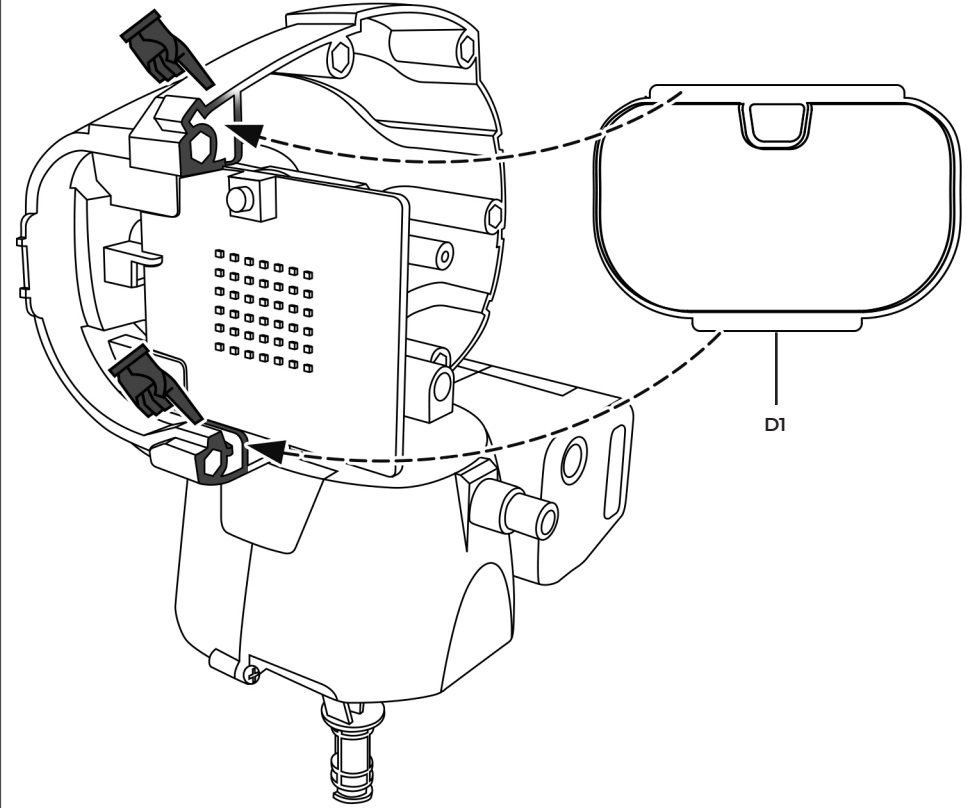
HEAD MODULE ASSEMBLY



3

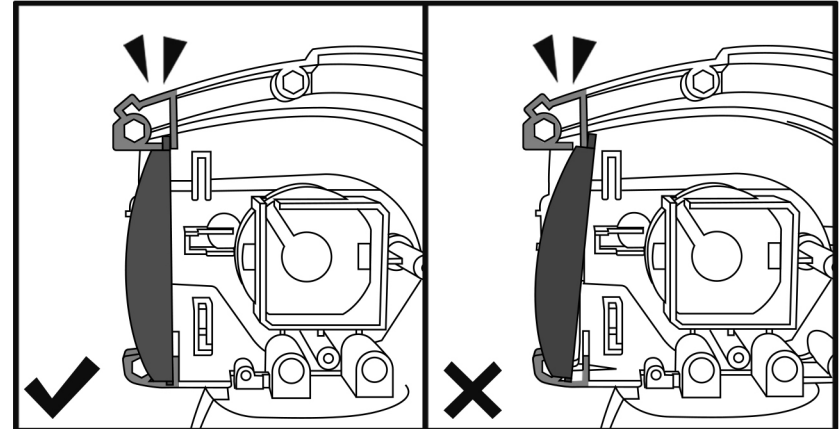
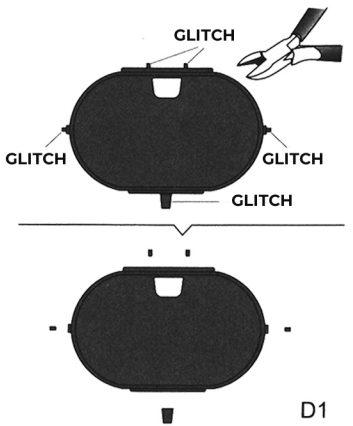
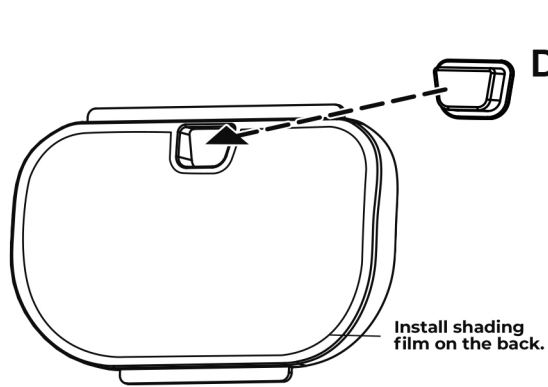


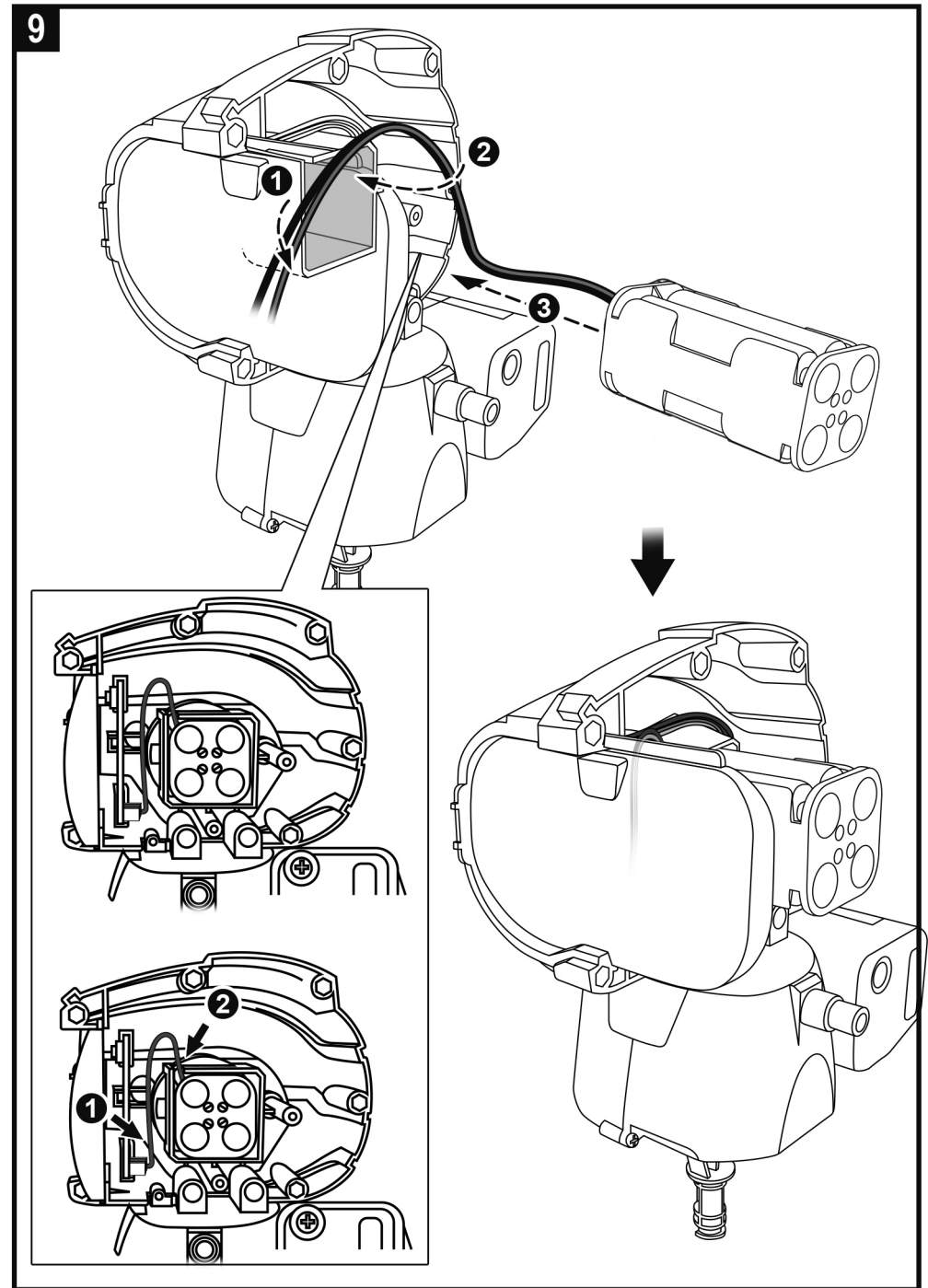
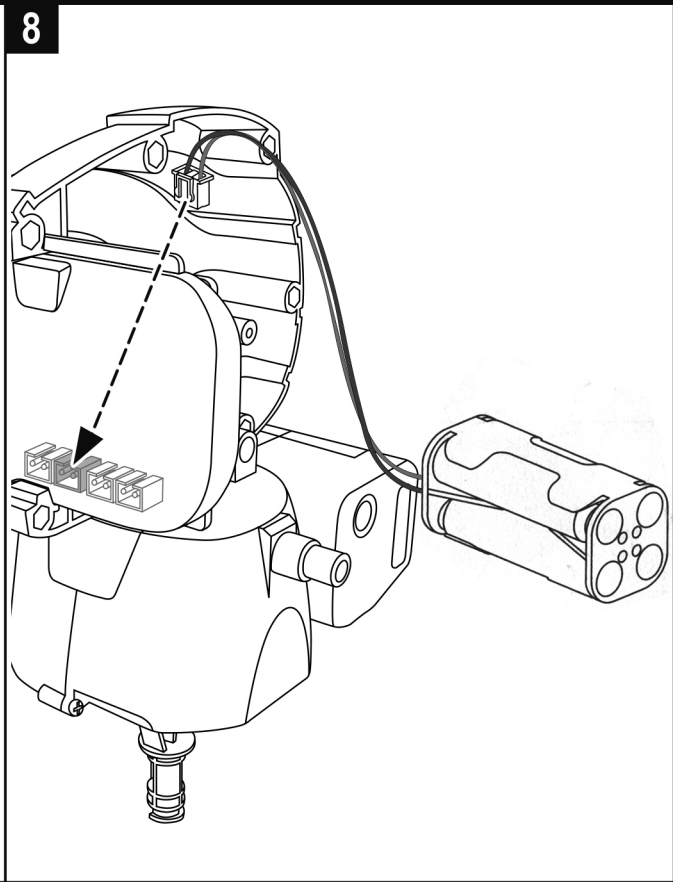
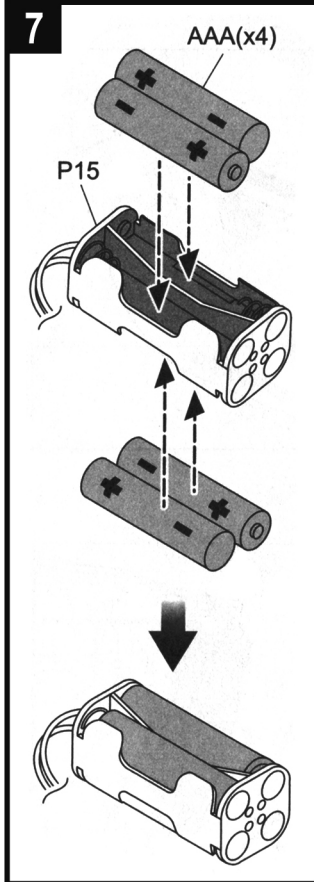
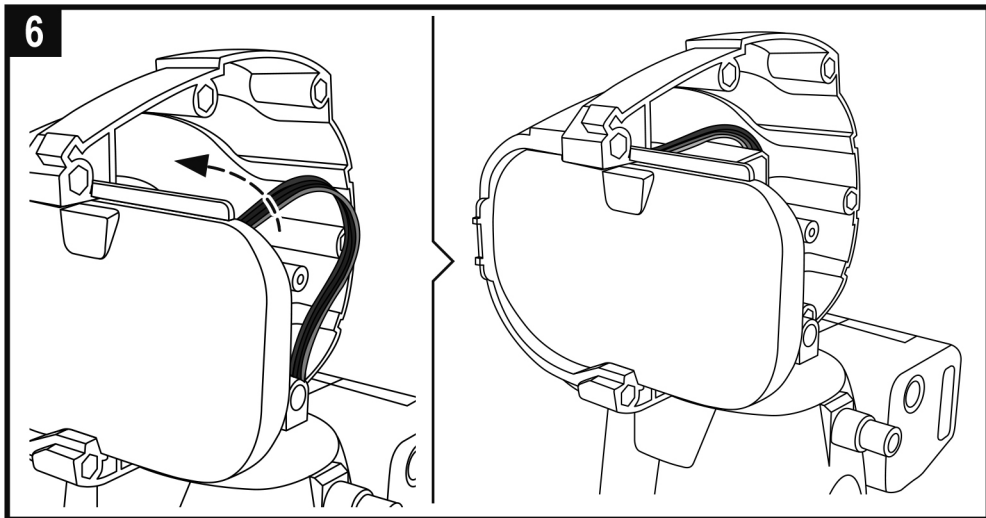
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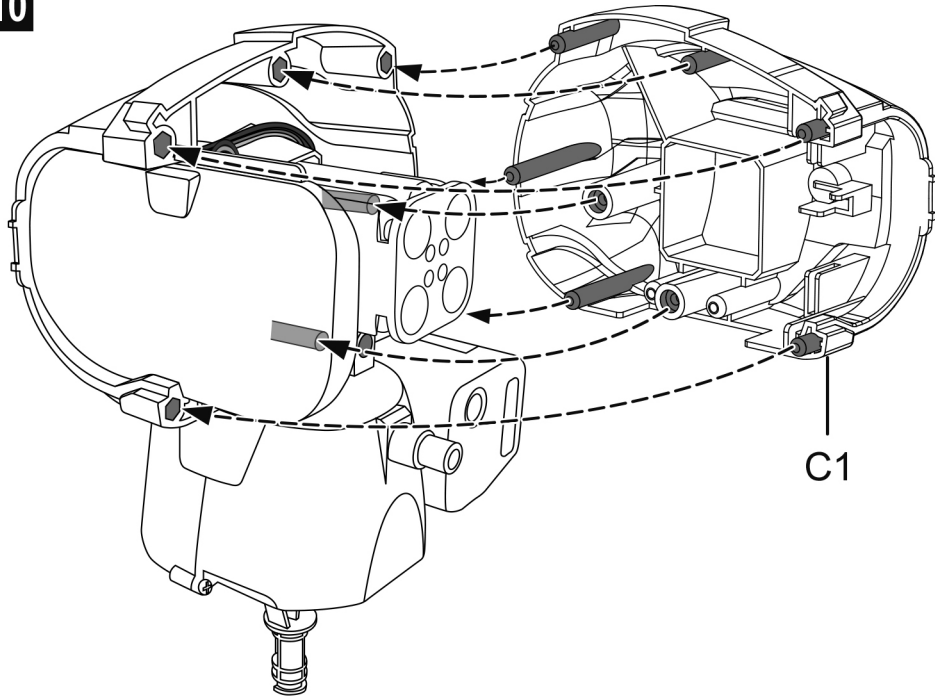
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⚠ Cut off the burrs before assembly.

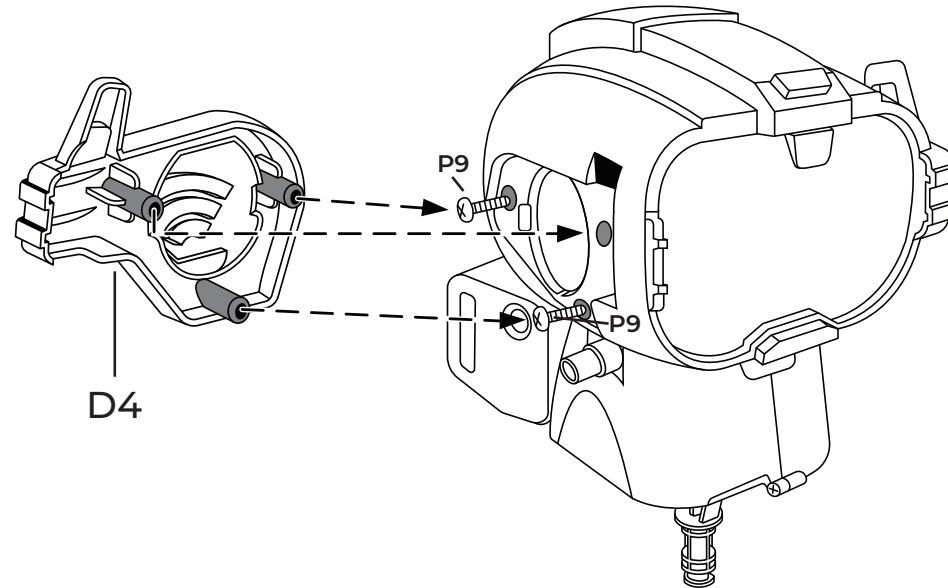




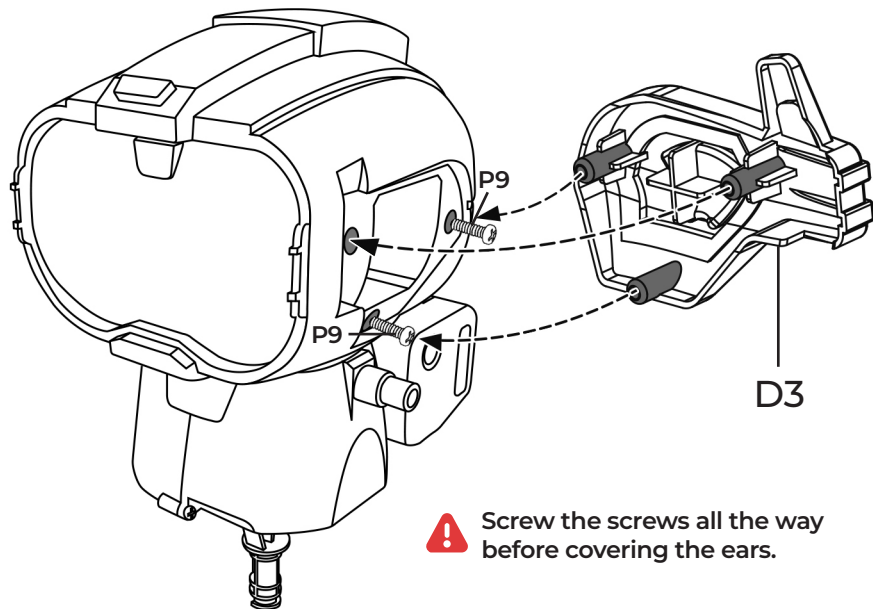
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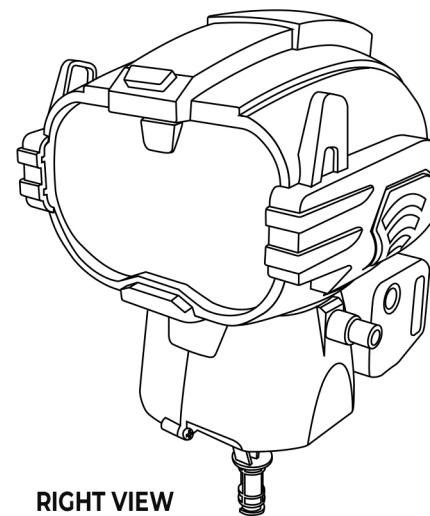
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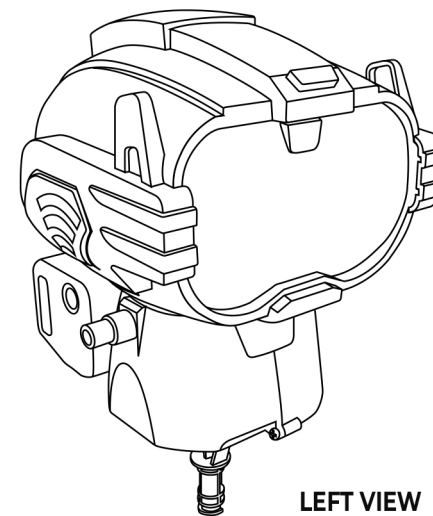
11



 Screw the screws all the way before covering the ears.

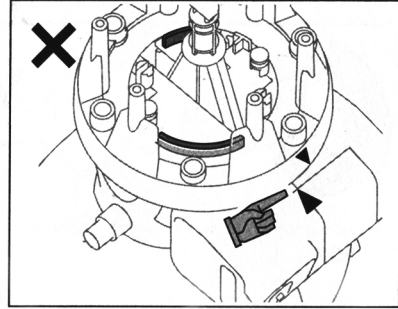
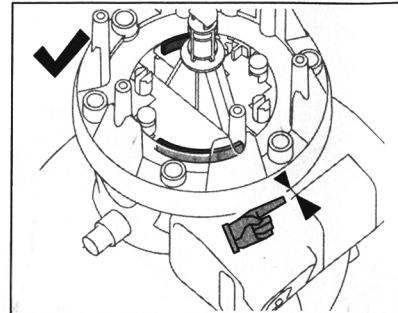
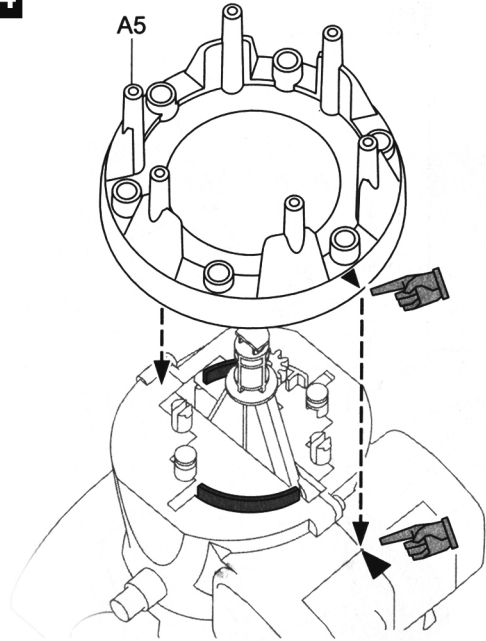


RIGHT VIEW



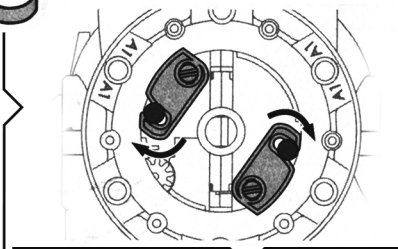
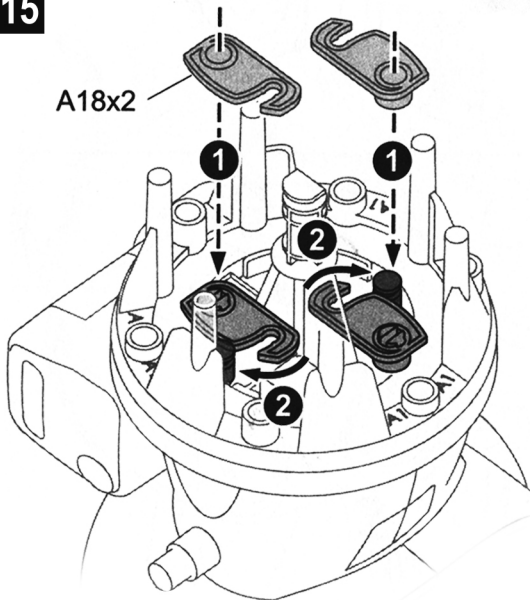
LEFT VIEW

14

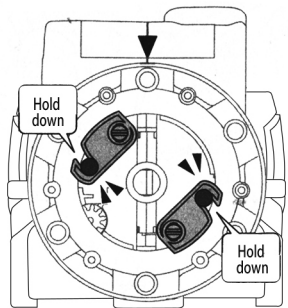



15

180°

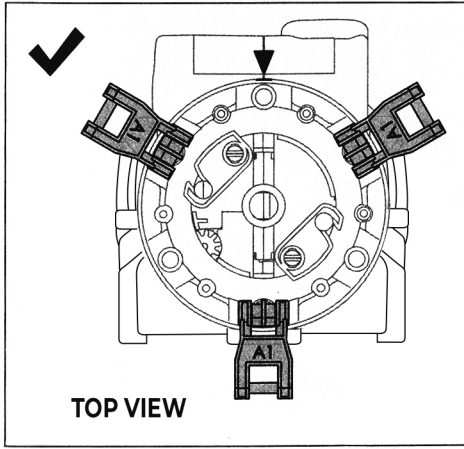
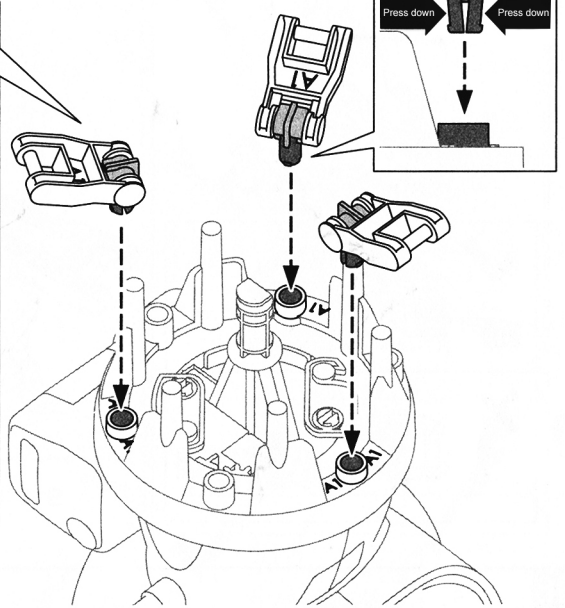
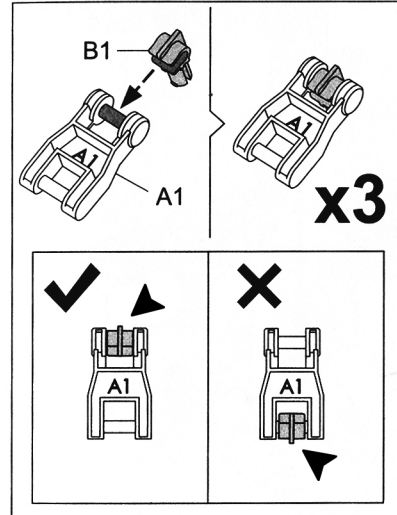
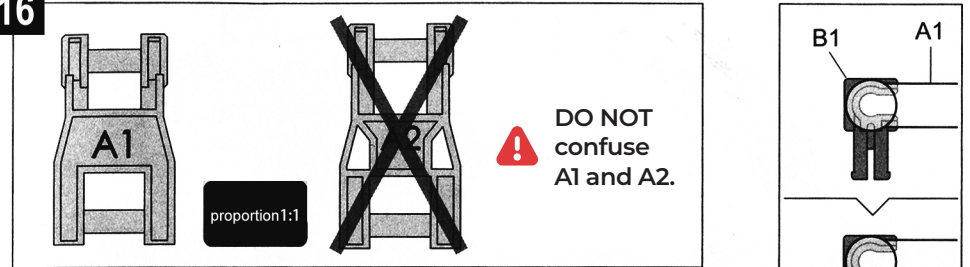


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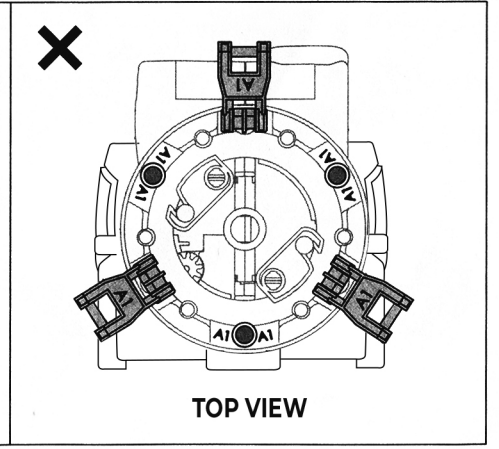


 Make sure to press and hold A18 until you hear a "click".

16

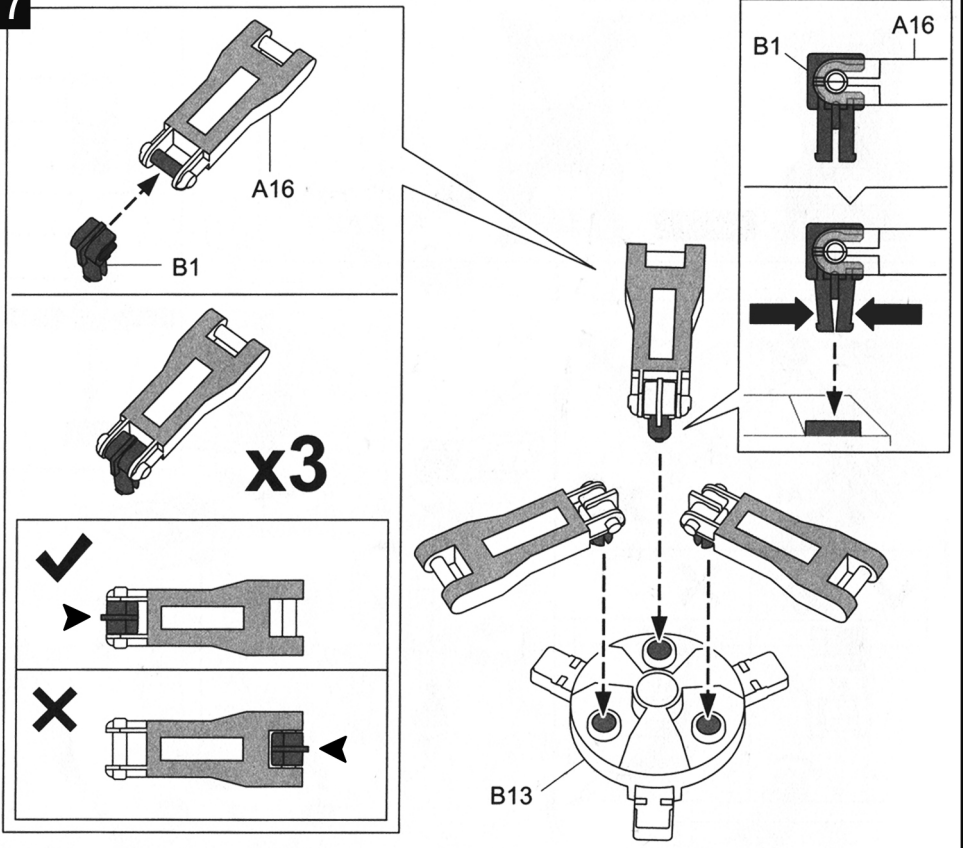


TOP VIEW

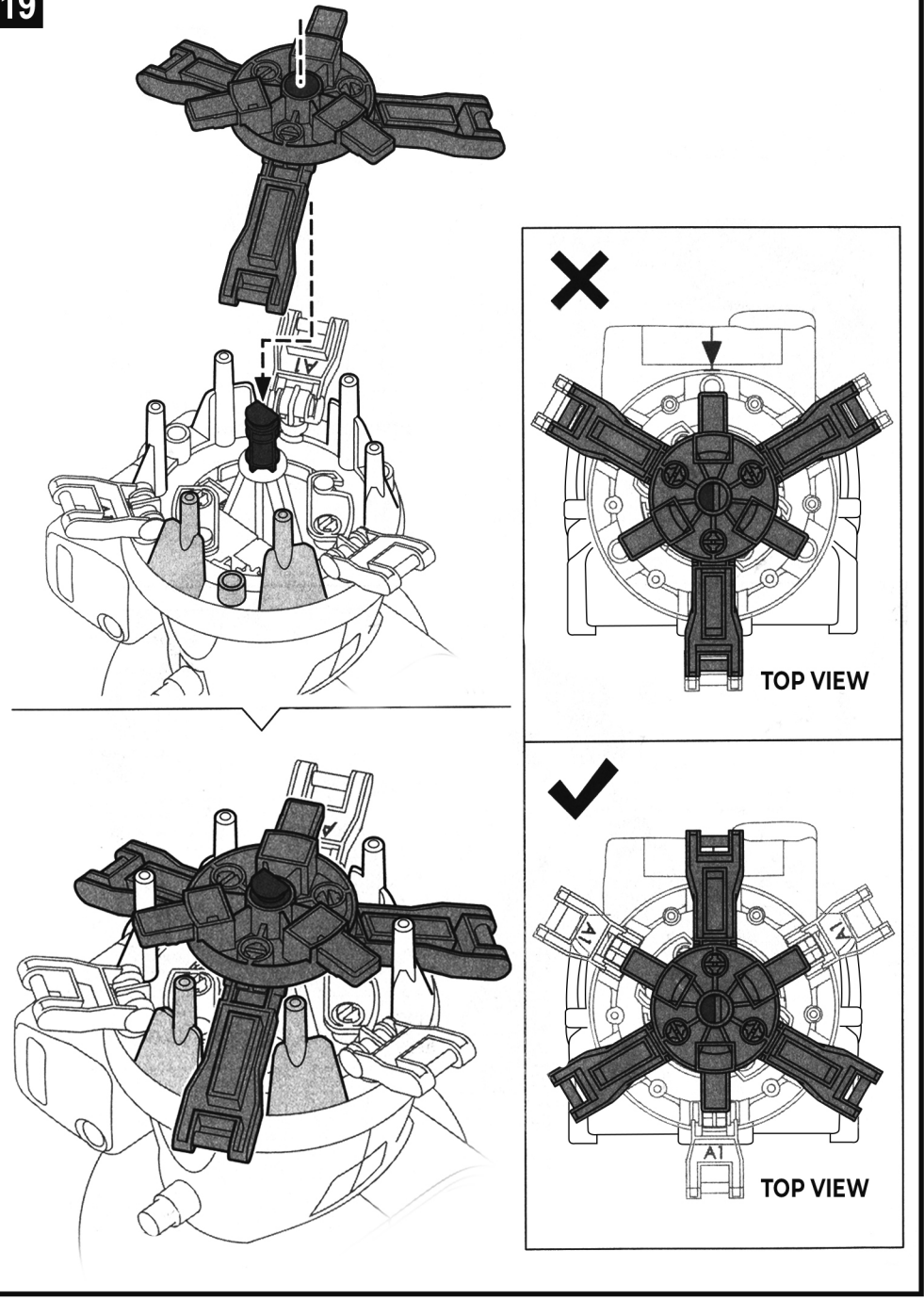


TOP VIEW

17



19



20

A19

Press down

Make sure the direction of A19 is correct.

21

A17 x3

Make sure the side with A17 is facing the correct direction.

22

DO NOT confuse A1 and A2

A2 B15

A16

Scale 1:1

A2

A2

x3

A2

A2

A17

A1+B1

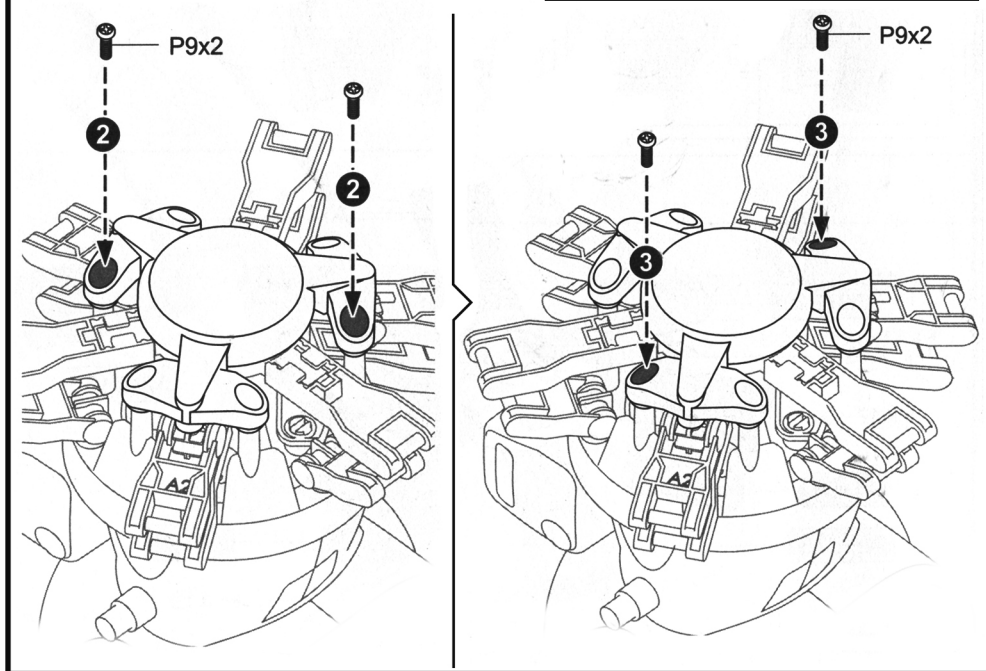
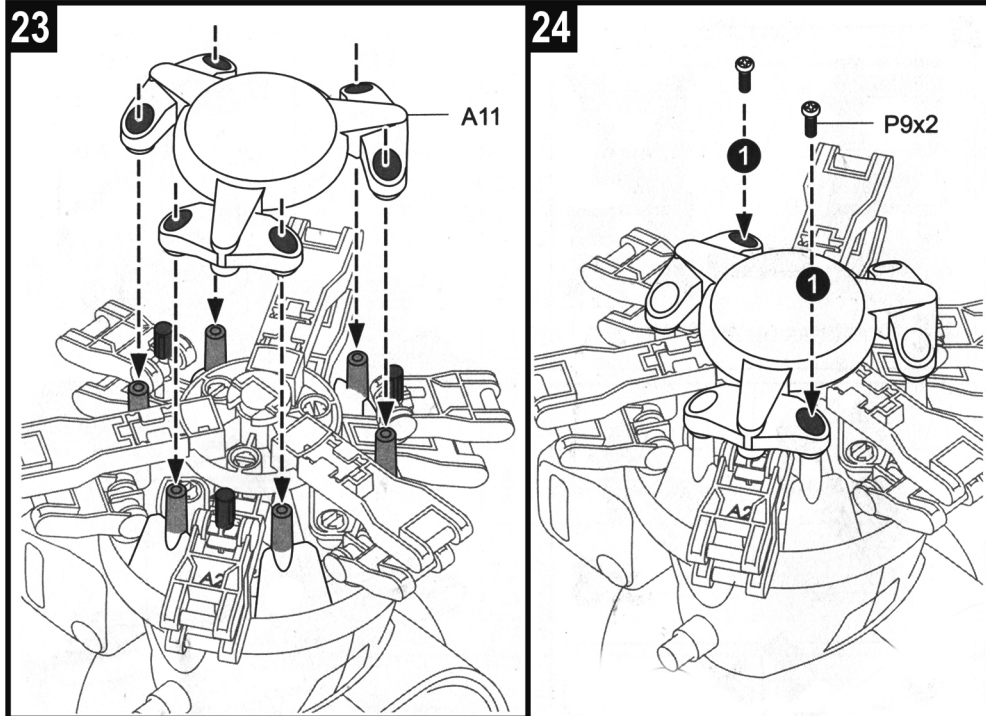
A2+B15

A16

A17

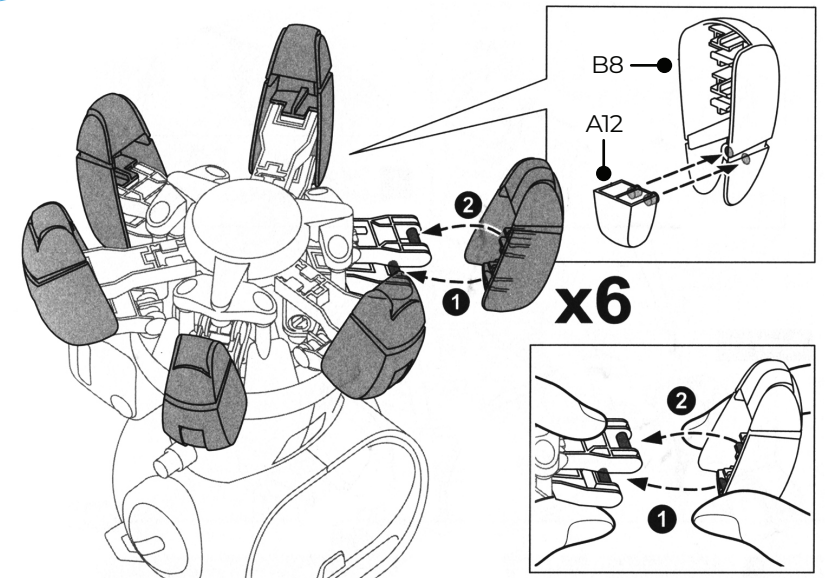
A1+B1

A16

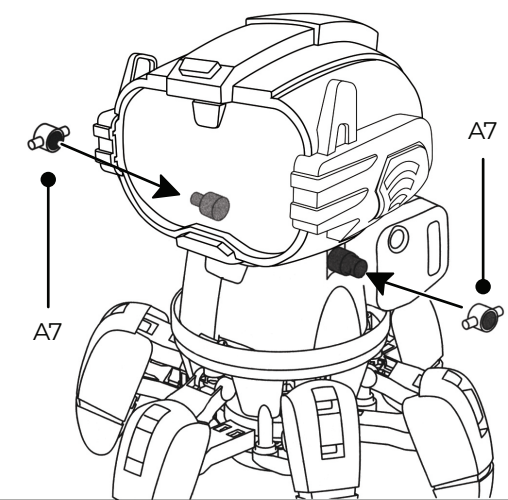


FOOT AND ARM MODULE ASSEMBLY

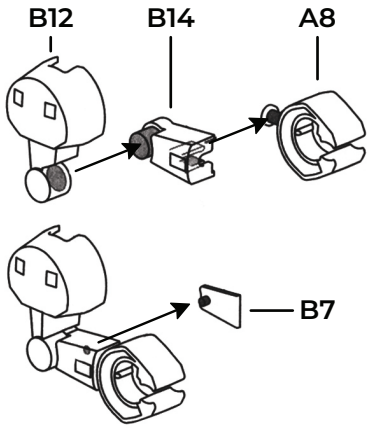
01 FOOT ASSEMBLY



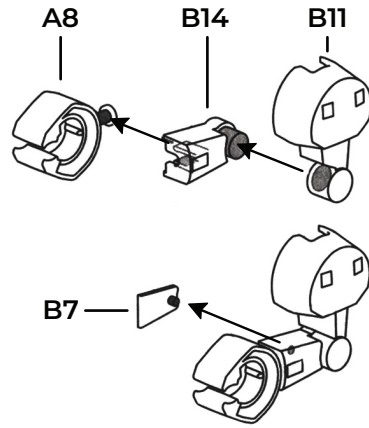
02 ARMS ASSEMBLY



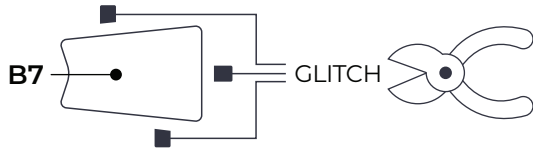
RIGHT ARM



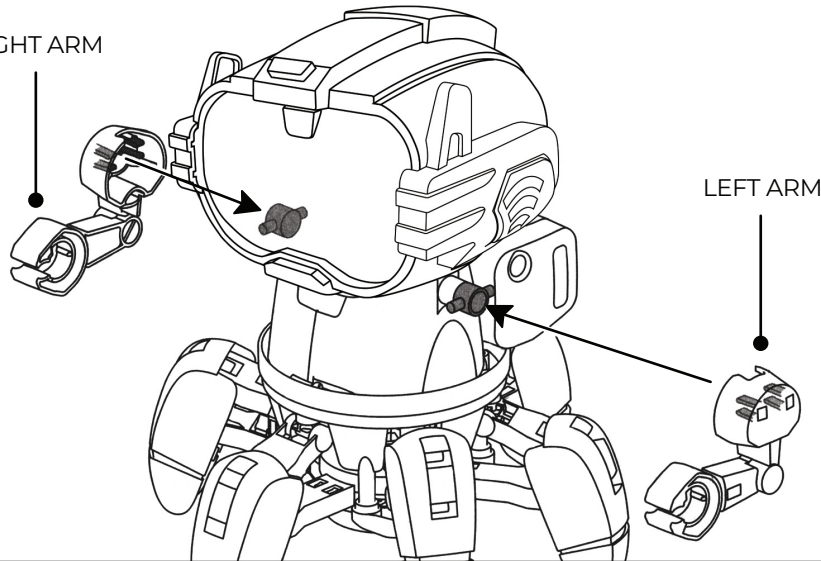
LEFT ARM



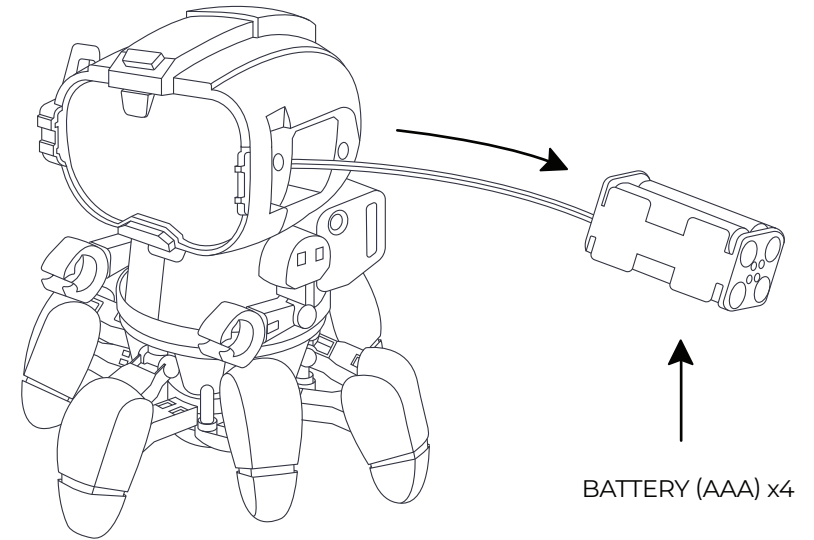
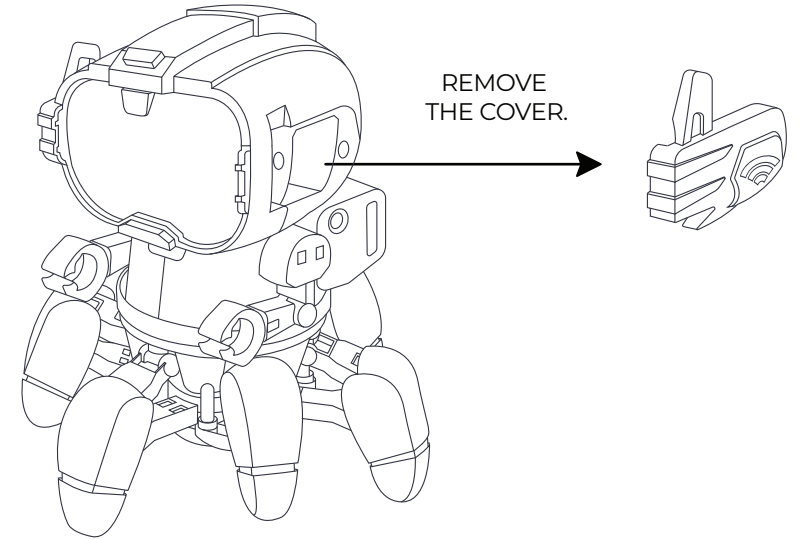
! CUT OFF THE BURRS BEFORE ASSEMBLY.



RIGHT ARM



HOW TO REPLACE BATTERY



SCAN TO
DOWNLOAD
APP



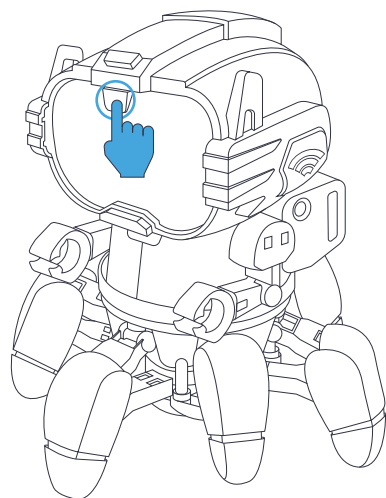
HOW TO PLAY

POWER (ON/OFF)

- Short-press the switch to **POWER ON**. The robot's eyes (LED area) will light up, and the robot will emit sound effects. The robot is in standby mode if the eyes (LED area) start flashing.

NOTE: If you leave the robot in the "standby" mode, after 5 minutes, if no mode is selected, the robot will turn off automatically.

- Short press the switch to **POWER OFF**. The LED light will disappear.



THREE MODES

01. App Remote Control Mode (illustration 1)

Allows movement control, steering, lighting, music, and other commands through the mobile phone.

02. Bluetooth mode (illustration 2)

Allows for control of the Bluetooth speaker.

03. Autonomous programming control (illustration 3)

- Program a variety of controls for the robot.
- You can program the robot to steer, light displays, and play music, among other functions.

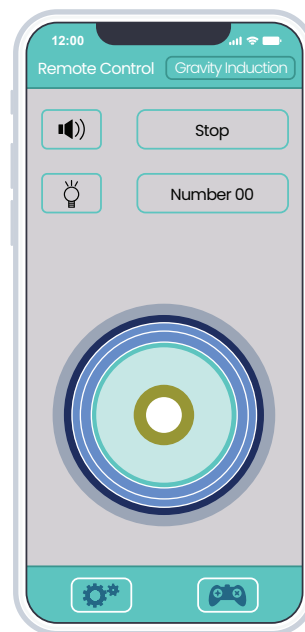


illustration 1

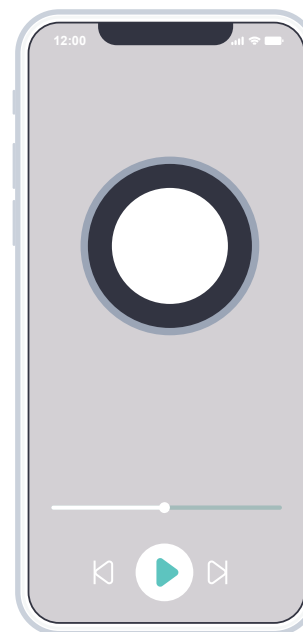


illustration 2

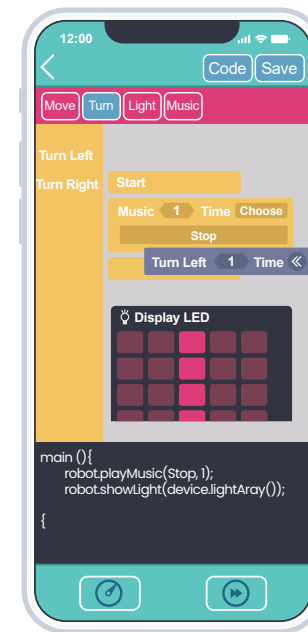
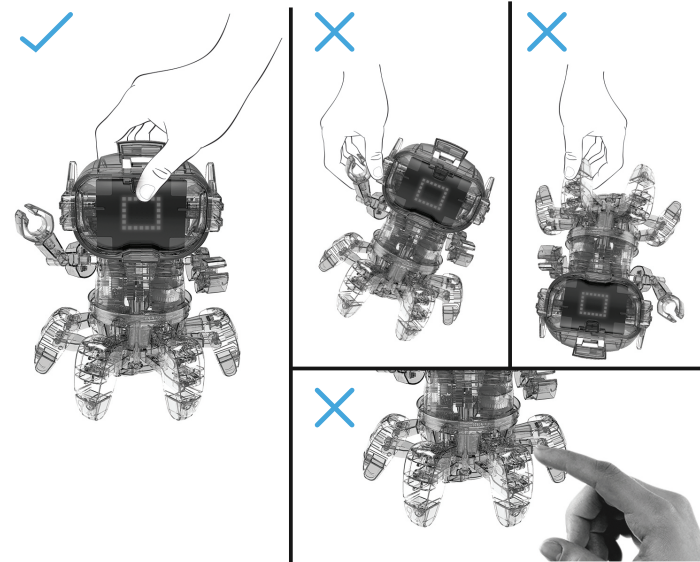


illustration 3



Use caution when handling the robot's head. Any incorrect movement (as shown in the picture on the right) may cause malfunction.



INSTRUCTIONS FOR USE THE MOBILE APP WITH DIY ROBOT

SCAN THE QR FOR THE CORRECT MOBILE APP

- The mobile device will take you to the app store and download the “stem” mobile application.
- Follow the provided instructions to set up the application and connect it to the DIY Robot.

01 PERMISSIONS

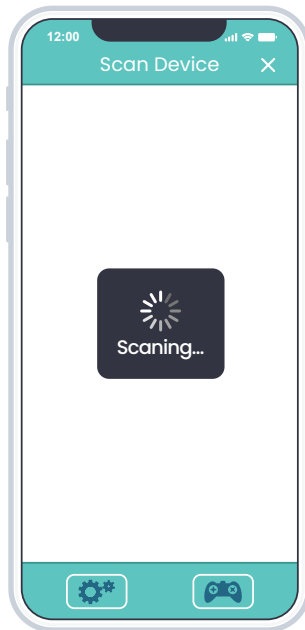
- Bluetooth permission needs to be activated and kept on for smooth communication between the mobile app and the DIY Robot.

“Program Robot” Would Like to Use Bluetooth

Don't Allow OK

02 CONNECT

- Upon launching the application, tap on the “Program Robot” icon
- Once in the “Program Robot” interface, the user will be prompted to activate their Bluetooth if it is not turned on already.
- The mobile application will start searching for the DIY Robot and attempting to establish a connection.
- Once a successful connection has been established, the connection interface will close automatically.

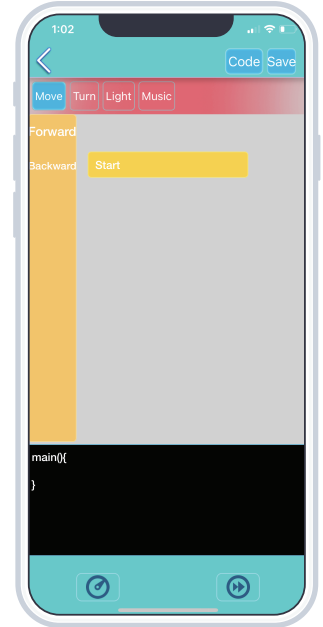


03 PROGRAMMING

3.1 CREATING A PROGRAM



- By tapping the Gears icon in the bottom left corner, the user is transferred to the PROGRAM section.
- By default, the application does not come with a program for the DIY Robot to follow.
- The user must create a program. This is done by tapping the “+” button in the top-right section of the mobile application.
- To start programming, tap and hold one of the four options presented: Move, Turn, Light, Music.
- Once an option is added to the program, the user can adjust the details of each step.



Move

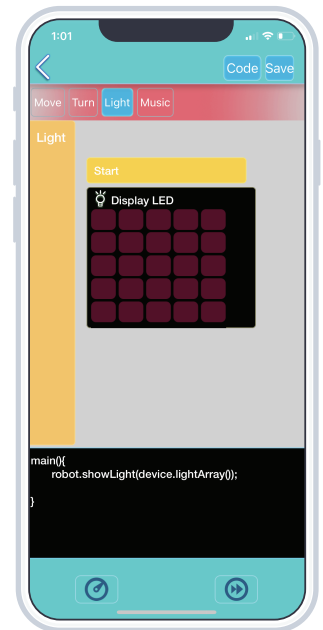
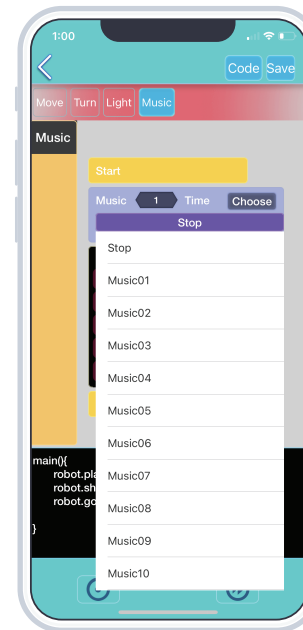
The Move action establishes the DIY Robot's forward and backward movement.

Turn

The Turn action directs the DIY Robot's right or left movement.

Light

The Light action provides the ability to light up pixels on the DIY Robot's helmet.



- **Music** The Music action allows the user to select between 21 different sounds.

To remove or erase any created step, simply hold and drag the step downwards until it disappears.



- **Code** The Code screen displays what the program looks like when processed by the DIY Robot.
- **Save** The Save button saves and stores the program.

3.2 EDITING & DEBUGGING

Users can edit or delete existing programs from the DIY Robot's Program screen.

- To **EDIT** a program, tap on the program name, and the specific program details will display for the user.

Once inside the program, the user can edit the previous steps and troubleshoot bugs by utilizing the **code box** located at the bottom of the screen.

-  Allows users to test a specific step or function.
-  Allows users to test the entire program sequence.




- To **DELETE THE PROGRAM** from the DIY Robot's Program screen, tap on the trash icon.

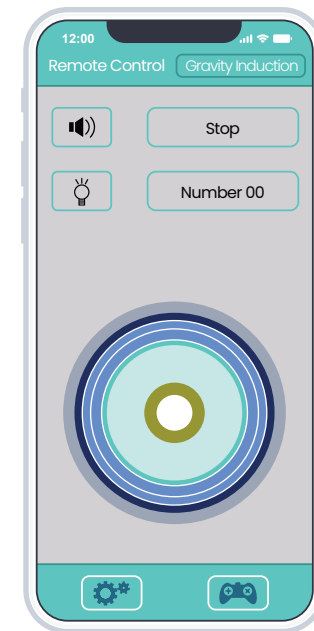


04

REMOTE CONTROL

The remote control interface can be accessed by tapping the remote control icon in the bottom right corner.

-  Click the button in the tab bar at the bottom of the app to switch to the remote control interface. If the app is not connected to the device, the app will automatically pop up the interface to scan for connectable devices.
-  The "Stop" button next to the Music icon allows the user to select between 21 different sounds.
-  The "Number 00" button next to the Light icon allows the user to select between 10 different lighting options.



- The virtual joystick enables the user to control the DIY Robot without writing up a program. Instead, the DIY Robot's actions will correspond to the actions performed on the mobile device.
- Tapping the "Gravity Induction" button in the top right corner enables the user to control the DIY Robot by angling the mobile device in different directions.