

EMPEROR SCORPION

MECHANICAL AGE

ROKR

Organism's Awaken











CODEN004

Assembly Instruction MI04


Part List (Some parts have spare.)



ROKR

Bag No.1			
Item number	P1	P2	P3
Item	Circuit board	Electronic part 1 (claw)	Electronic part 2 (head)
Illustration			
Quantity	1	1	1





Bag No.2					
Item number	P4	P5	P6	P7	P8
Item	Steel shaft	Black screw	Golden screw	Black screw	Metal nameplate
Illustration		 4mm M1.2*4	 5mm M1.2*5	 6mm M2*6	
Quantity	1	3	3	2	1

Bag No.3			
Item number	P9	P10	P11
Item	Stinger	Golden screw	Iron chain
Illustration		 4mm M1.2*4	
Quantity	5	3	1

Bag No.4				
Item number	P12	P13	P14	P15
Item	Small gear	Big gear	Leather	Wire harness sticker
Illustration				
Quantity	3	1	1	1

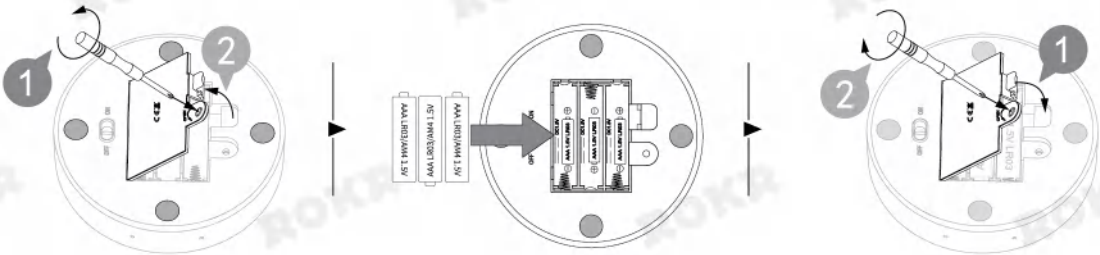
Bag No.5		Others
Item number	P16	P17
Item	Black screw	Base
Illustration	 5mm M1.4*5	
Quantity	23	1

Tools

Sandpaper stick	Screwdriver	Tweezers	Nipper pliers
			

⚠ WARNING:

- The product is for people who are 14 and up years old. Children who are under 14 years old must assemble under the guidance of adults.
- The product requires 3 "AAA LR03/AM4 1.5V" batteries. (Batteries for self-preparation).
- Screw the fastener on the rear cover of the battery box using a screwdriver to remove or insert the batteries.



- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are only to be charged under adult supervision.
- Rechargeable batteries are to be removed from the toy before being charged.
- Please do not use rechargeable battery.
- Different types of batteries, new and old batteries cannot be mixed in use.
- Batteries are to be inserted with the correct polarity (+ and -).
- Remove the exhausted battery in time.
- The power supply terminal cannot be short circuited.
- This product has hazardous sharp functional edges or points. Use with care, to be used under the wardship of an adult.
- The instruction must be retained since it contains important information.
- Due to customs policy in international shipping, the grease & nipper plier may not be included, please prepare them yourself.



Product Display

ATTENTION:

- Keep the product away from the source of ignition and water to prevent any damage.
- Don't use chemical reagents like alcohol, ammonia water to clean the product.
- Take off the pieces from the board according to each step when assembly.
- Cut the parts along the edge with a cutting pliers and then grind them carefully with a sandpaper stick.
- Please carefully read the instruction book when assembly and keep it properly for later verification.
- For some complicated steps, please scan the QR code with remind for assembly video.
- There is a little different from several parts the pictures on instruction, subject to parts number.
- Pieces marked "+" are spare parts on board.

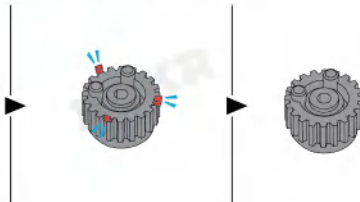
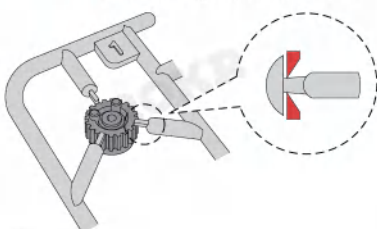
Instructions of using the nipper pliers



When cutting, make sure the nipper pliers fit tightly to the parts.



Cut leftover cutting points



Icon Illustration



Step 1



Step 2



Perspective conversion



Remove the plastic film on surface



Cut leftover cutting points

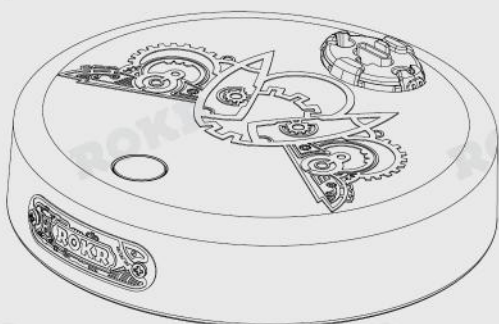


Special attention in assembly



Part P1 in Bag No. 1

1



Completion

Parts connected on the board in the plastic bag

G2



P17



Parts bag:

(Please take out parts in sequence as the instructions. Do not pour them all out to prevent mixing!)

1

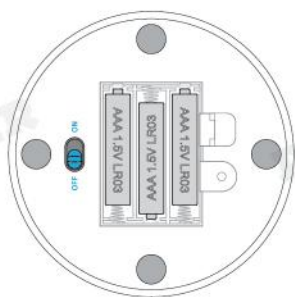
2

1

Test electronic parts

<1>

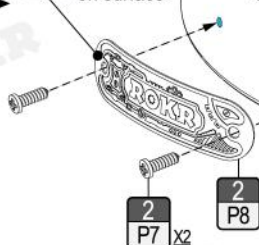
Install 3 "AAA LR03/AM4 1.5V" batteries (not included). Please prepare by yourself. Set the bottom switch to the "OFF" position with a power-off state.



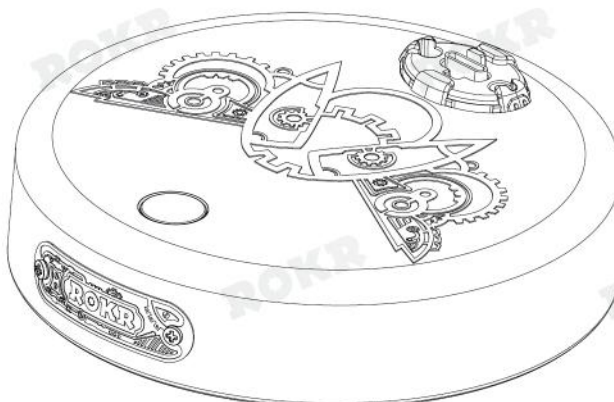
P17

P5	P6	P7

Remove the plastic film on surface

2
P7 x22
P8

Mixing old and new batteries may result in insufficient voltage, preventing electronic parts from functioning properly.

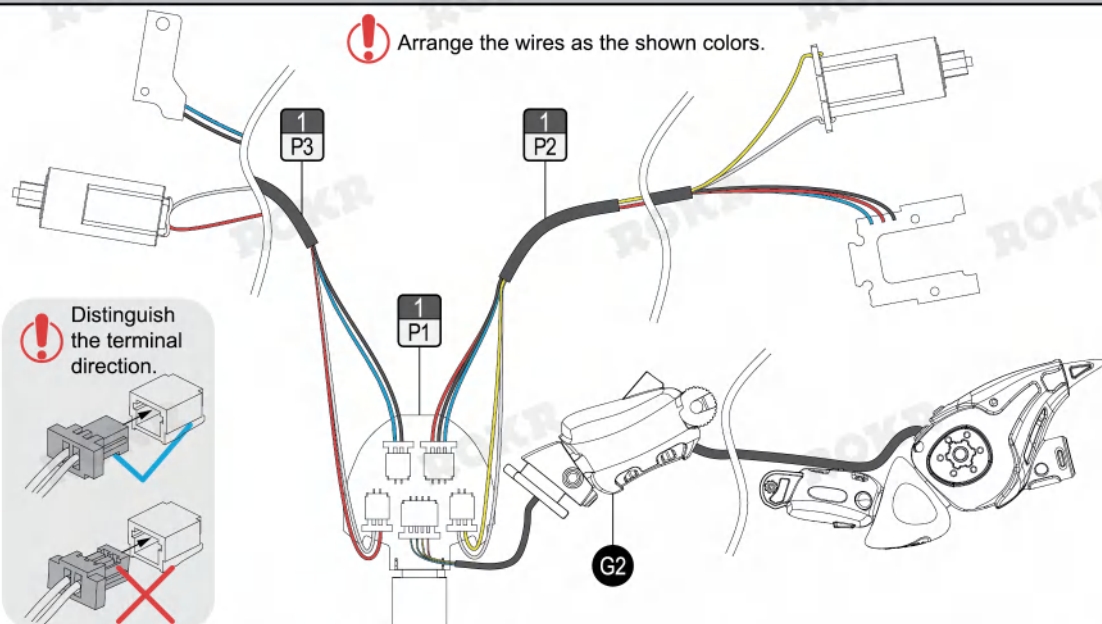


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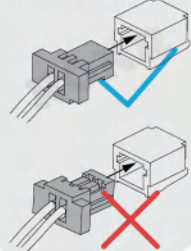
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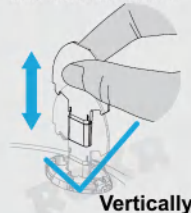
Arrange the wires as the shown colors.



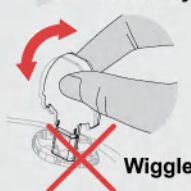
! Distinguish the terminal direction.



Plug & remove the circuit board

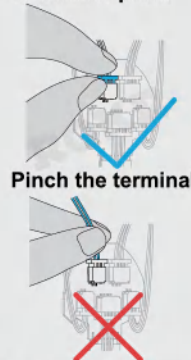


Vertically



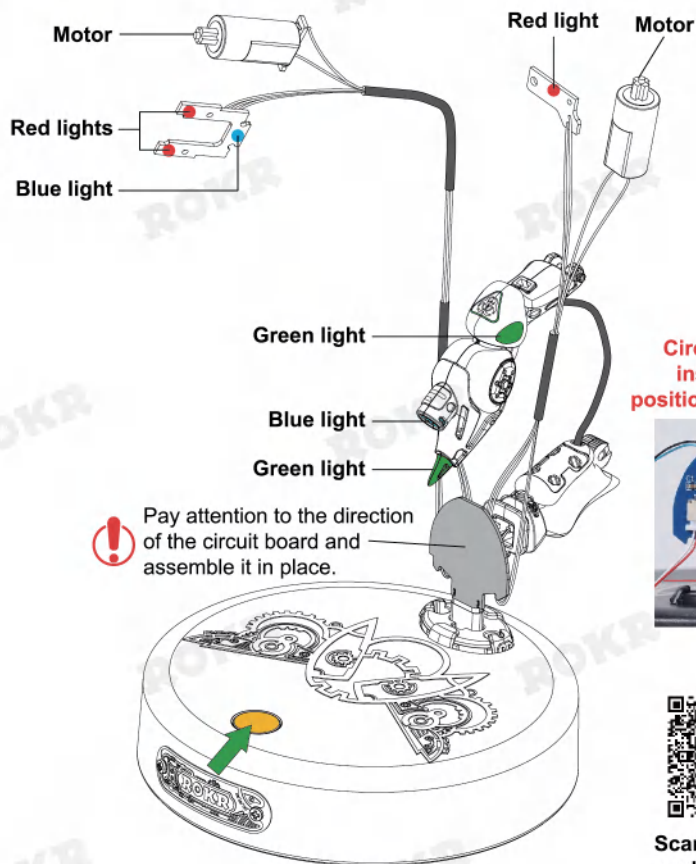
Wiggle

Disassemble the electronic parts

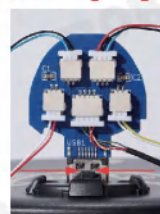


Pinch the terminal

Pull the wire



Circuit board installation positioning diagram



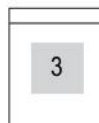
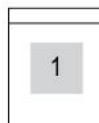
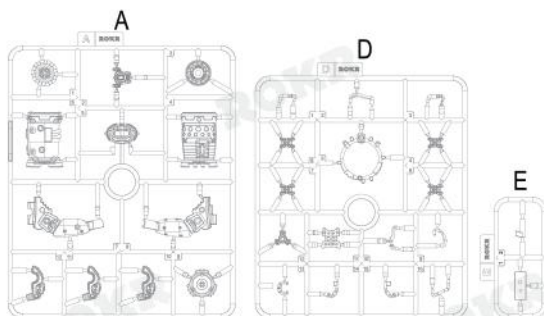
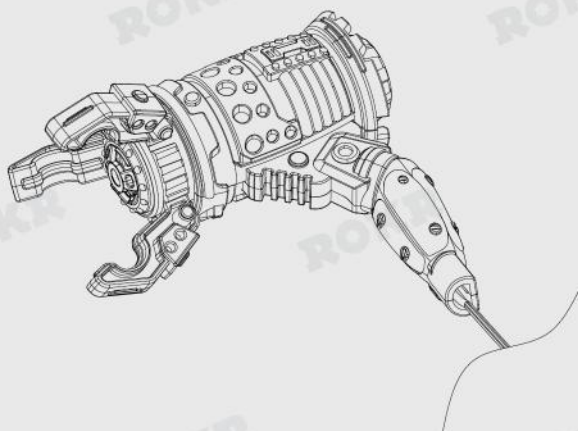
Scan for faults and solutions




1. Set the bottom switch to the "ON" position, then touch the **copper button** to confirm that the electronic parts are functioning properly (recommended to run for at least 1 minute). If **the light is on** and **the motor is running**, it is considered normal. Any restarts or pauses are programmed features and not electronic malfunctions.
2. Once confirmed that there are no malfunctions, **remove the electronic parts** and proceed to the next step.

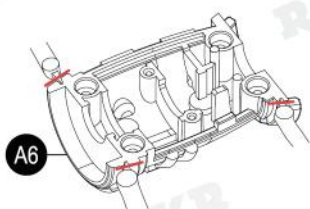


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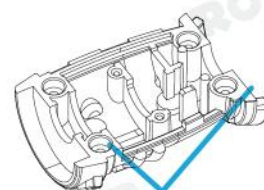
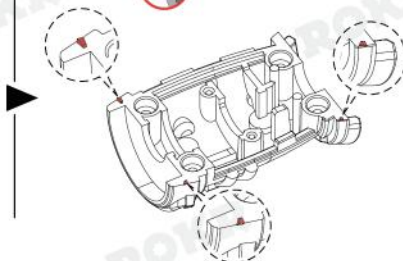




Pre-assembly Instructions:

 When cutting, make sure the nipper pliers fit tightly to the parts.



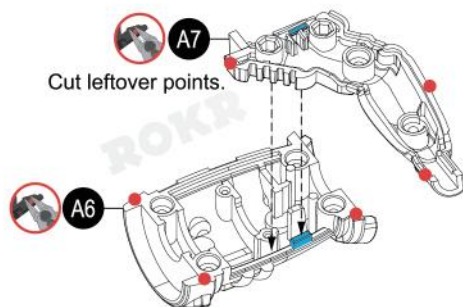
 Cut leftover points.




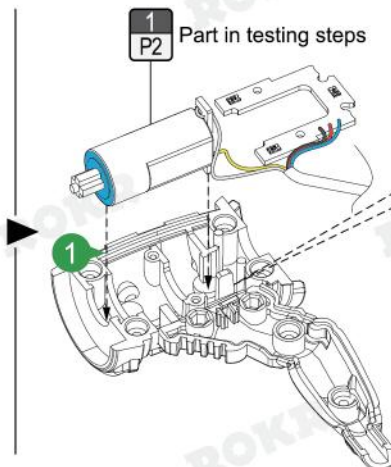
 For better visual effect, some parts are designed with **hidden connection points**. In later steps where the icon  appears, please **cut leftover red points** before assembling.


2

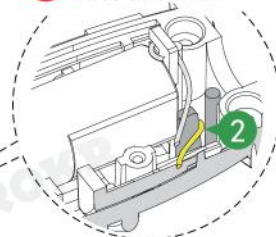
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 Part in testing steps

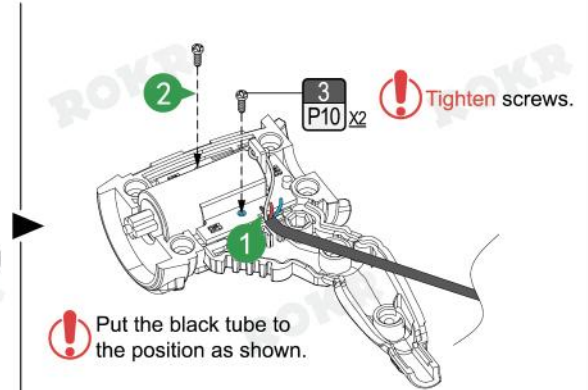
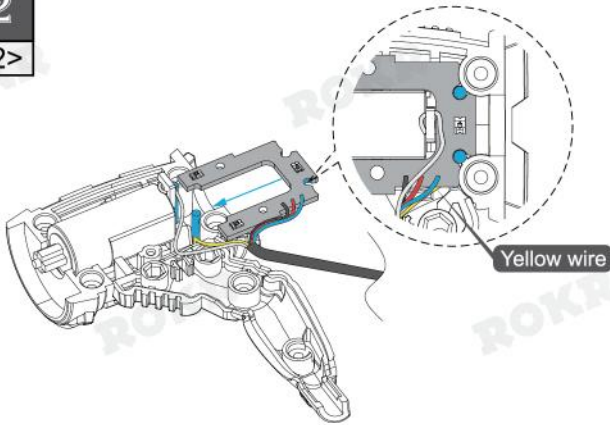


 Arrange the bottom wires as shown.

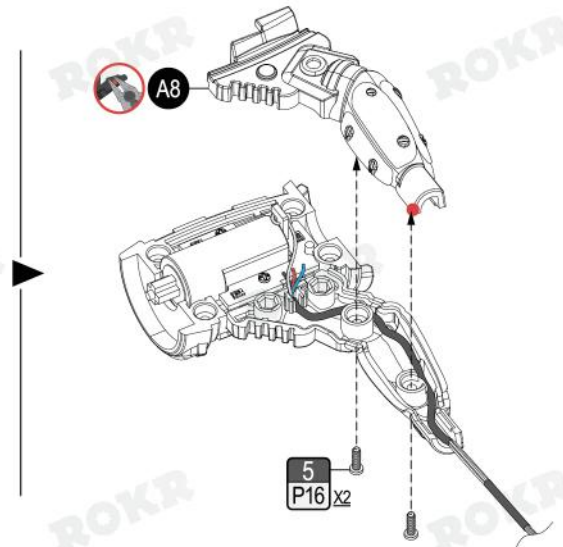
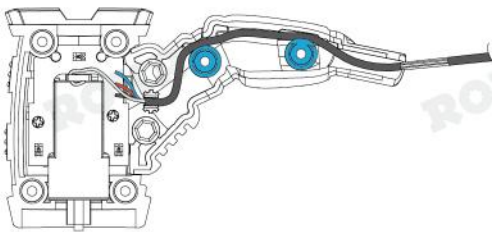


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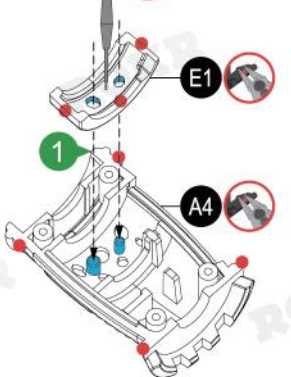
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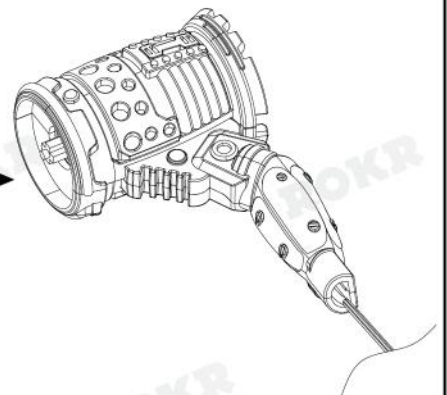
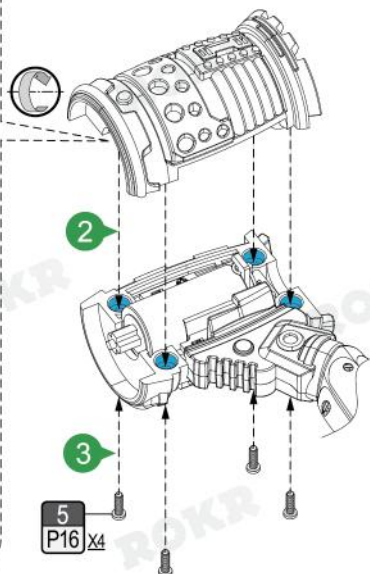
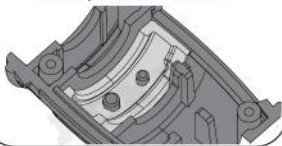
Use tweezers to fix wires into gaps as shown, avoiding screw holes.



Press with a screwdriver.

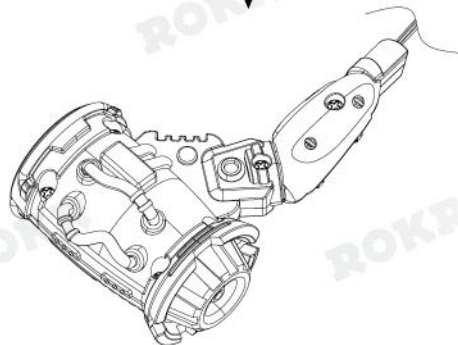
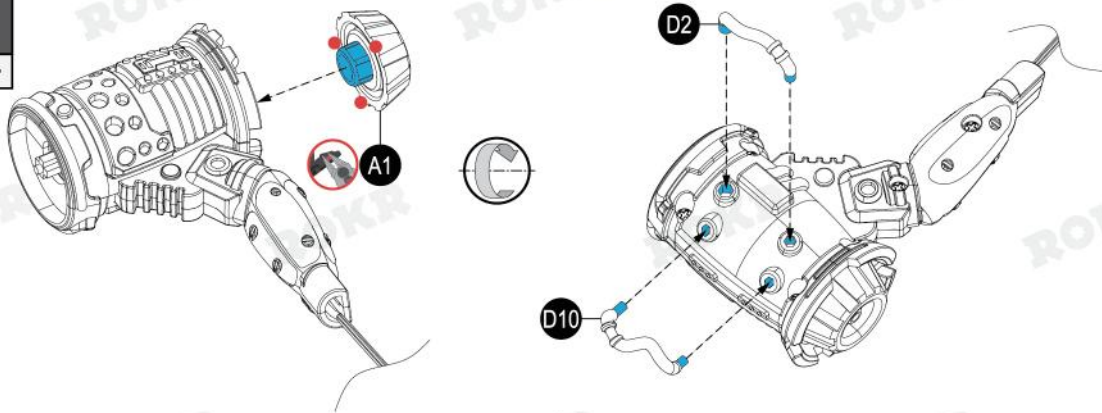


Complete as shown



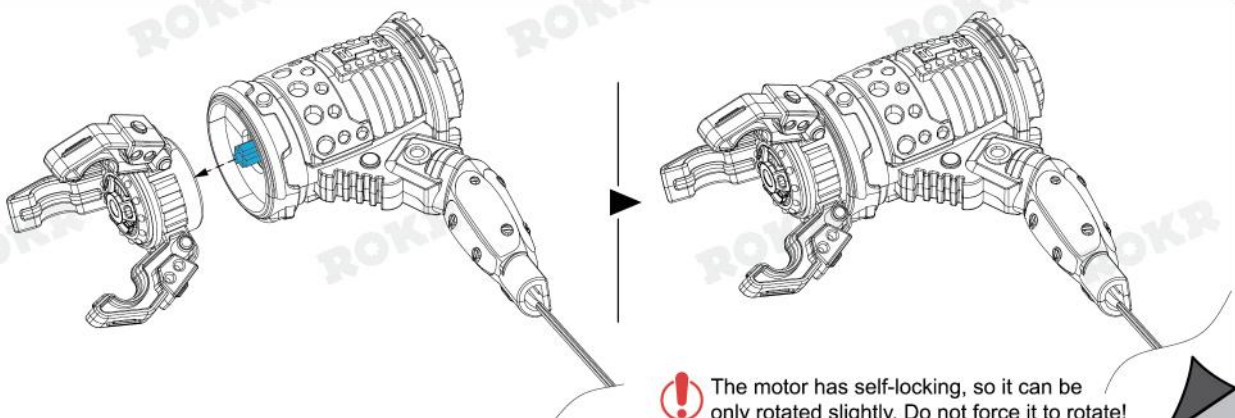
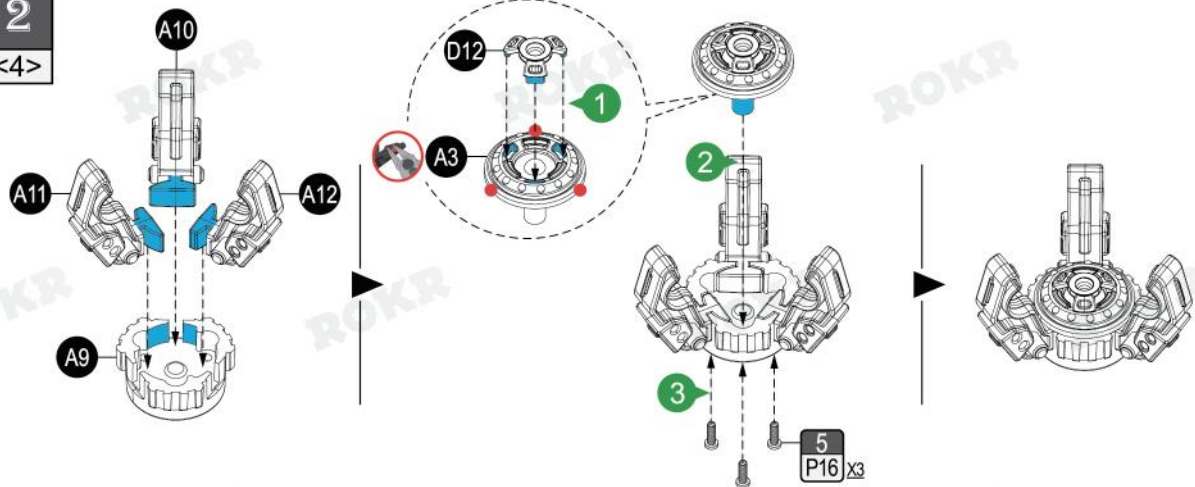
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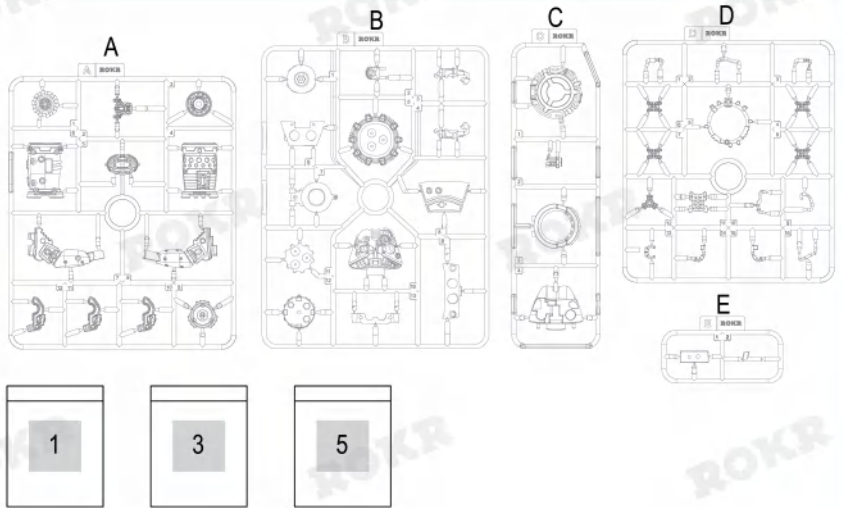
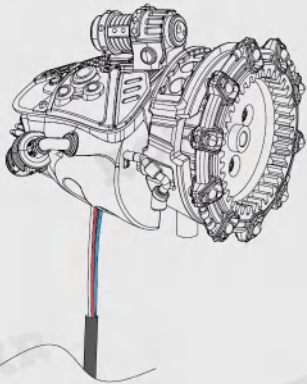
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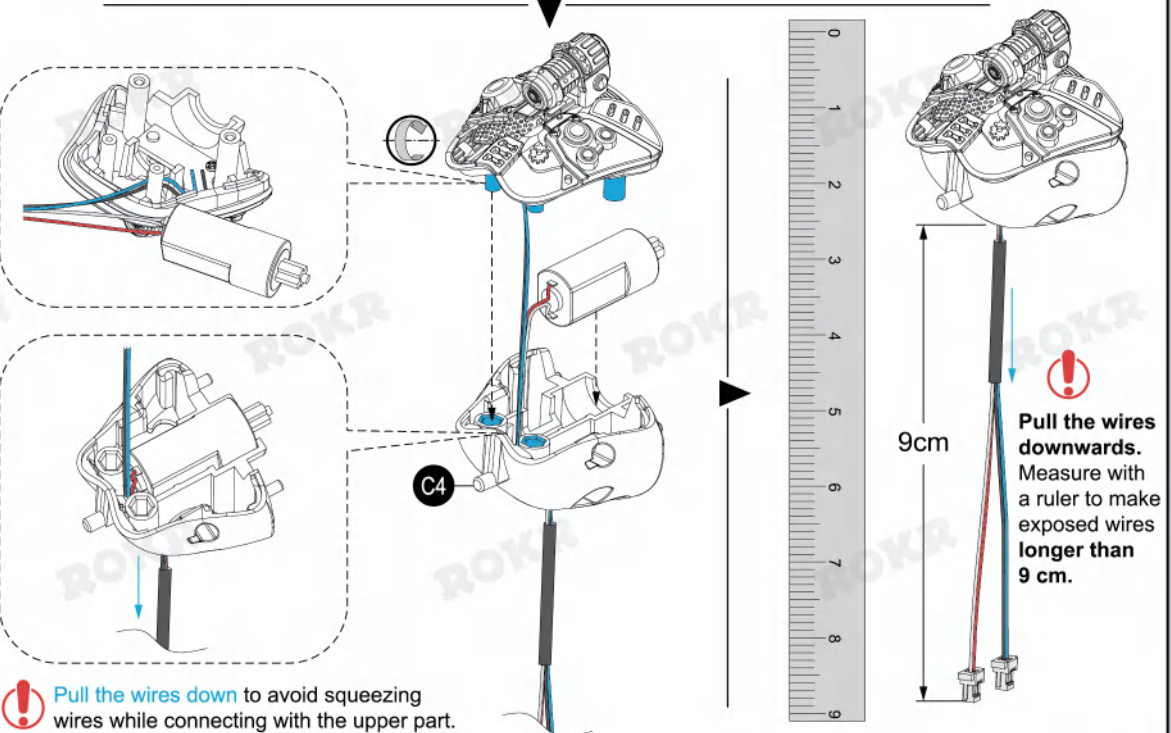
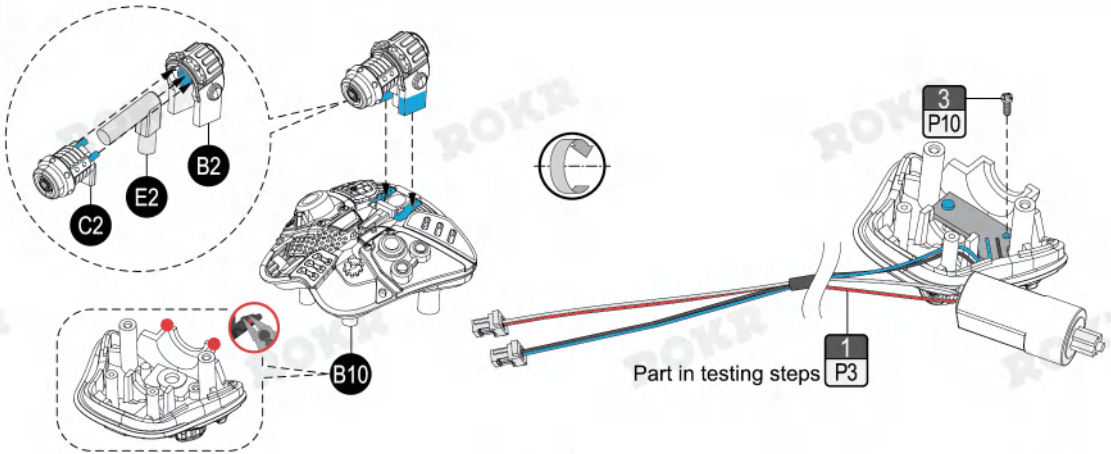
 The motor has self-locking, so it can be only rotated slightly. Do not force it to rotate!

3



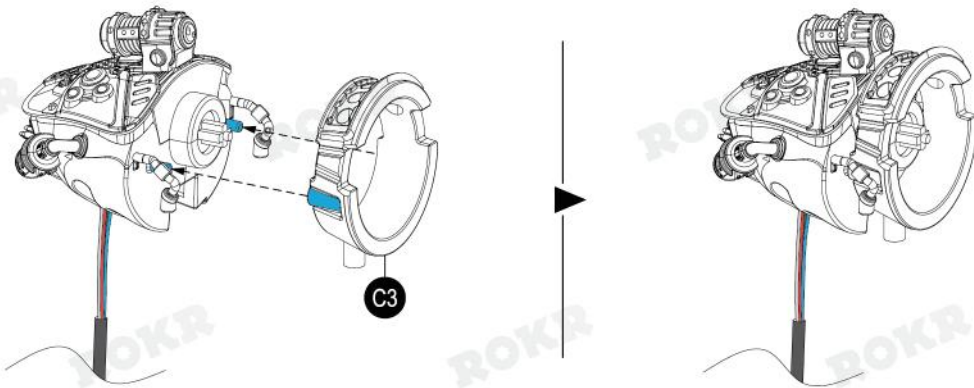
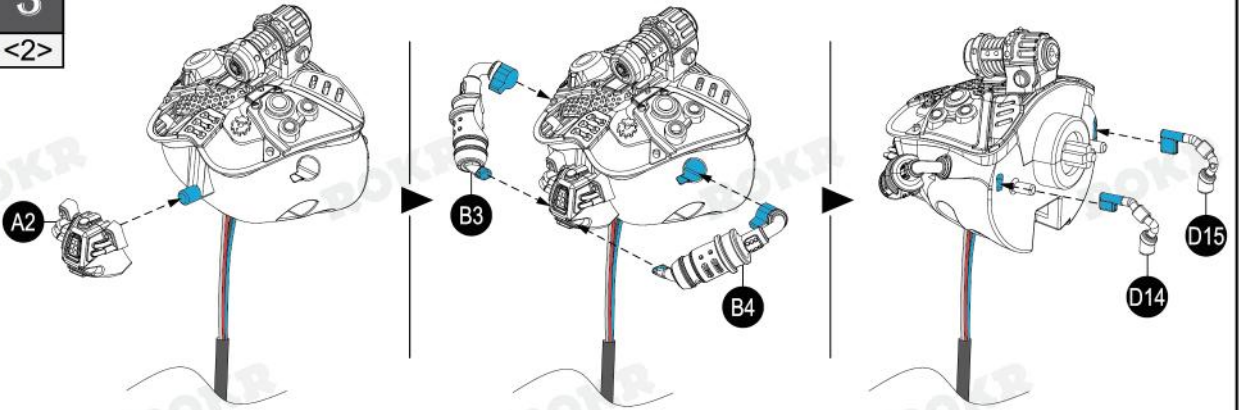
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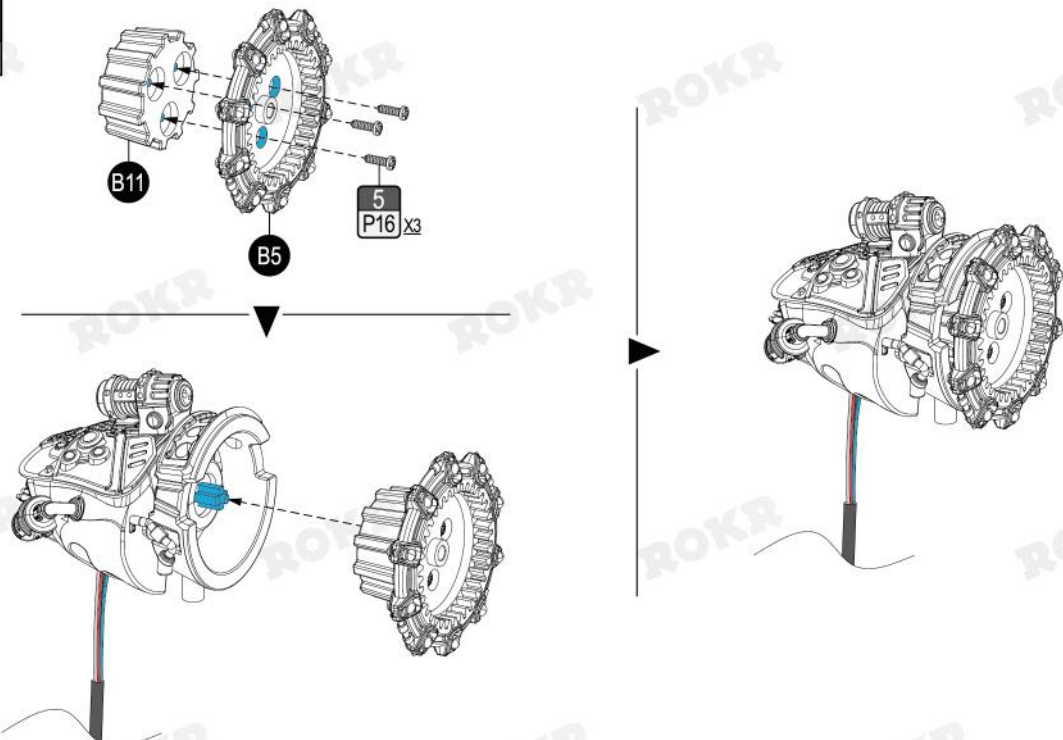
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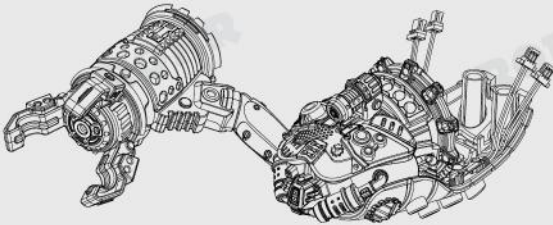


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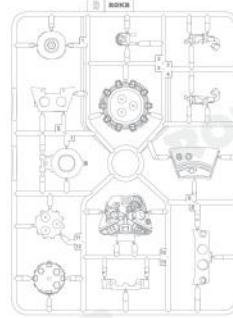
<3>



4



B



G4

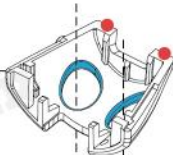


4

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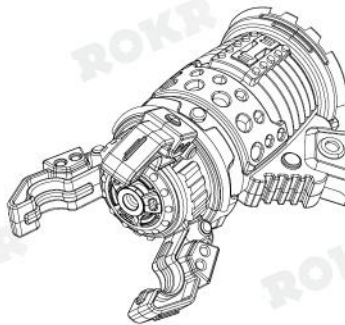
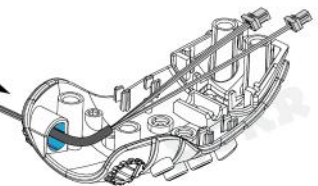
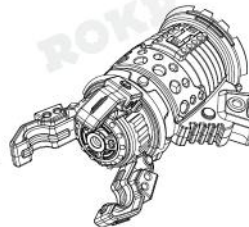
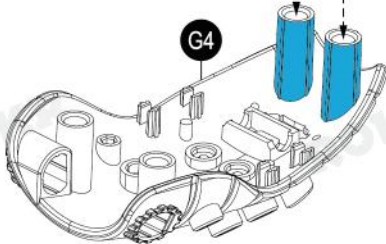


B6

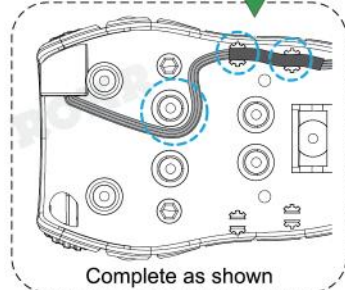
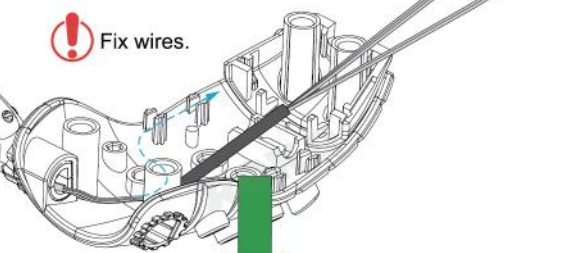


Press to the deep.

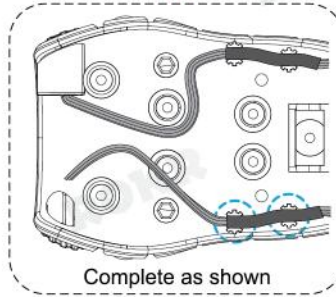
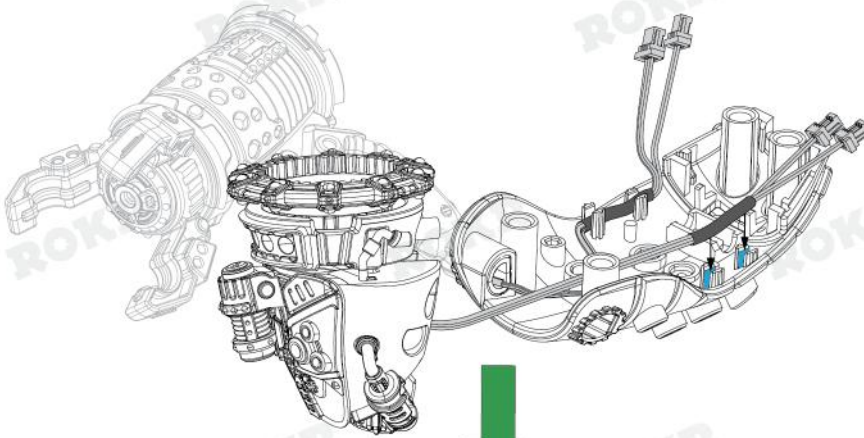
G4



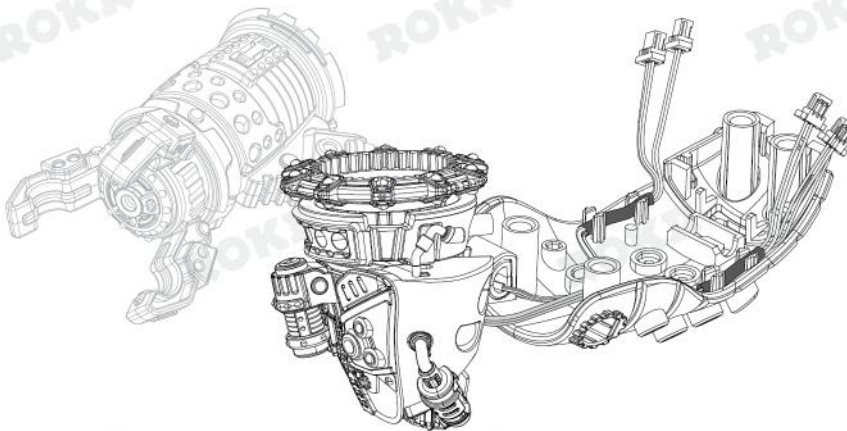
Fix wires.



Complete as shown



Complete as shown

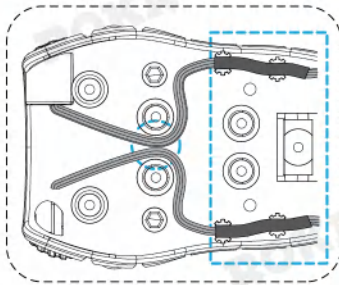


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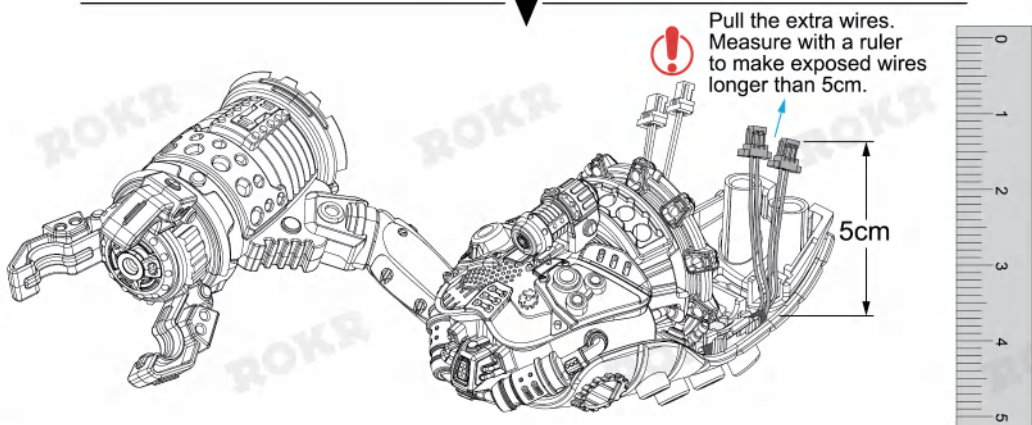
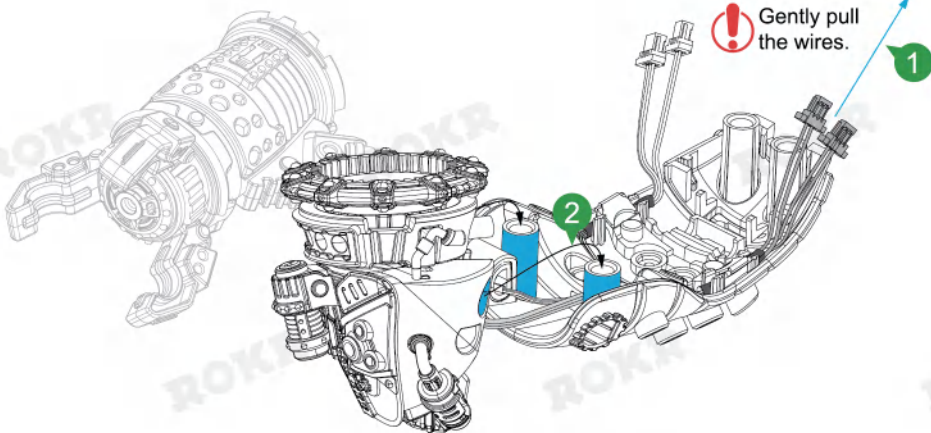
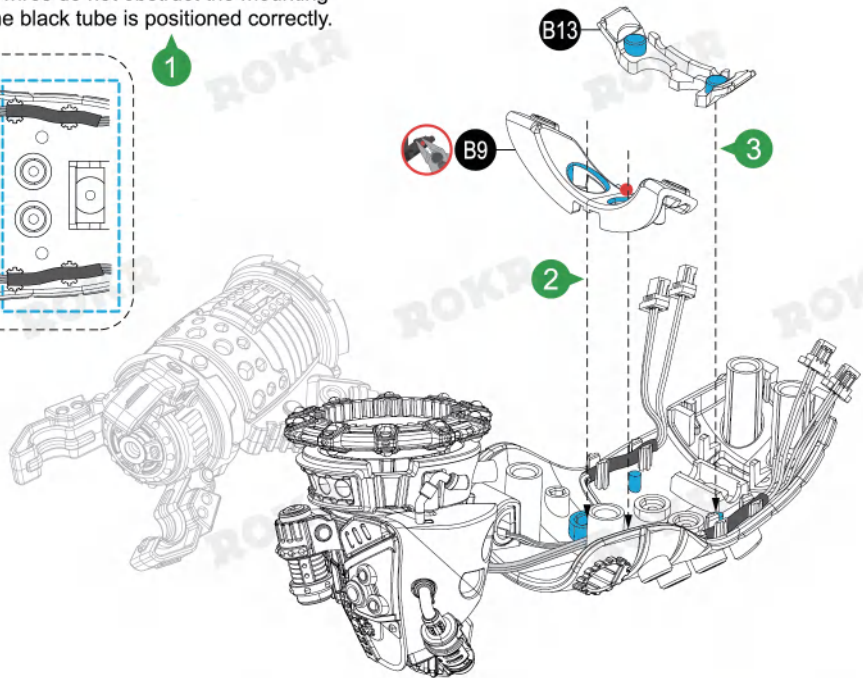
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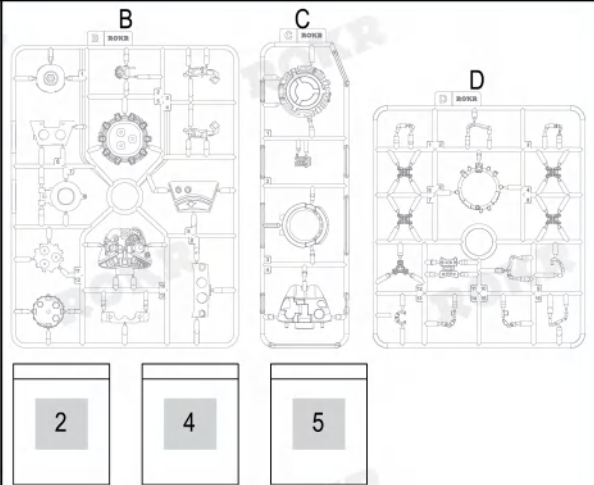
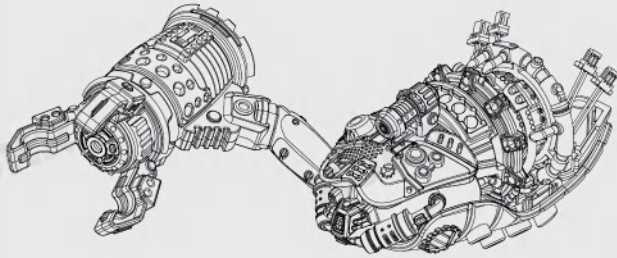
Confirm that the wires do not obstruct the mounting holes and that the black tube is positioned correctly.



1



5



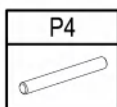
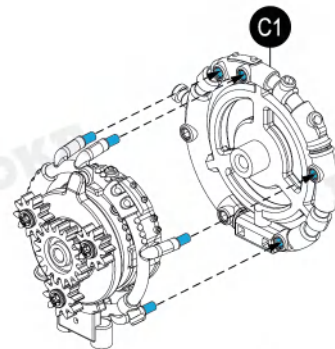
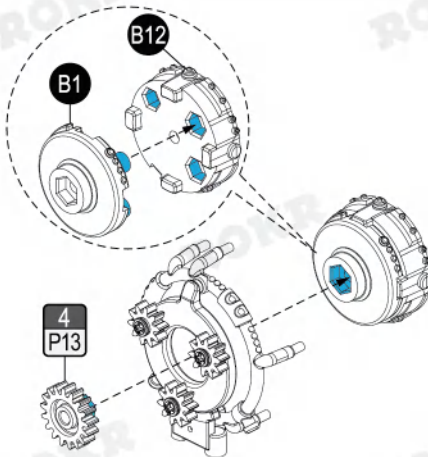
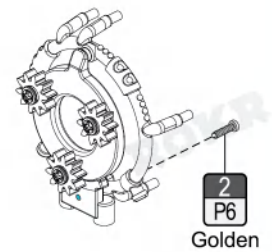
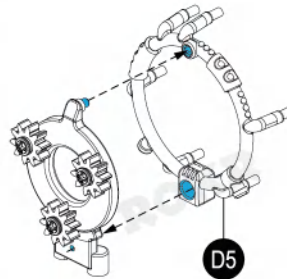
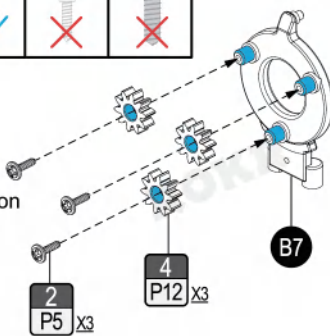
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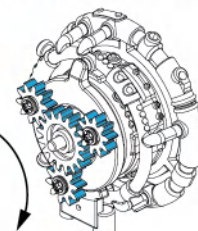
P5	P6	P7



Over-tightening the screws may cause compression and result in the movement becoming stuck.

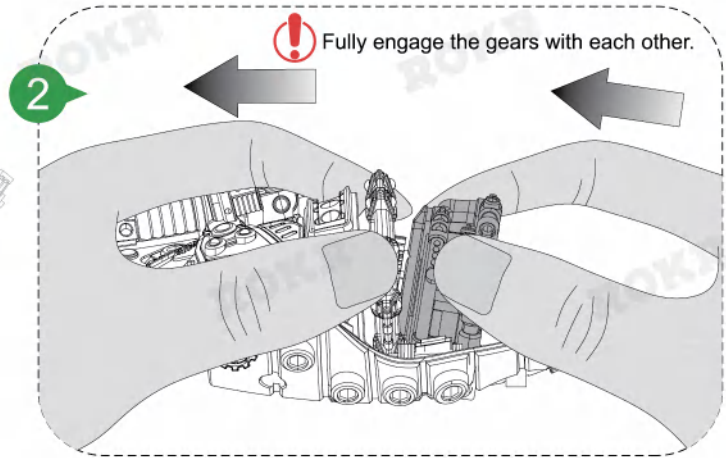
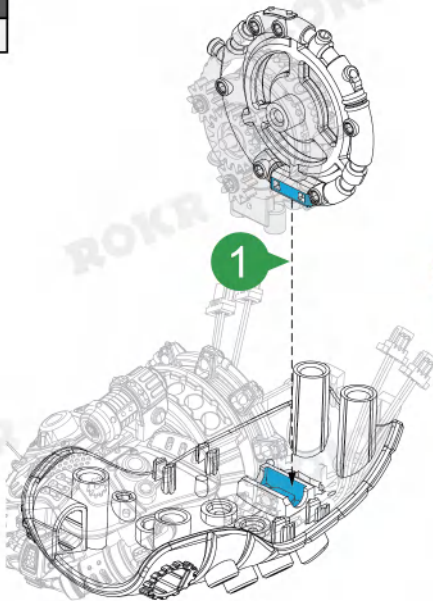


Rotate gears to ensure the smooth running.

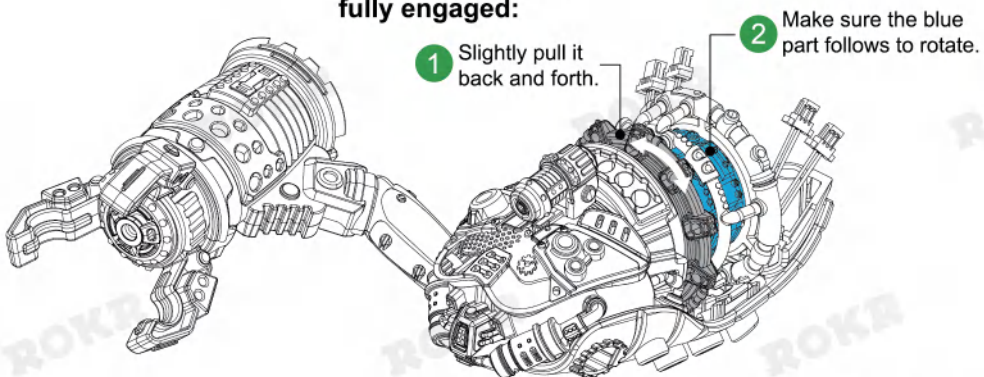




Scan for
assembling videos



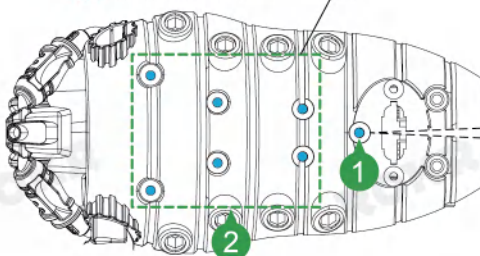
Test if the gears are fully engaged:



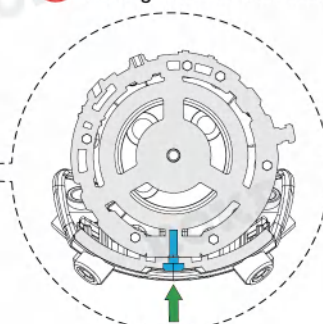
! The motor has self-locking, so it can be only rotated slightly. Do not force it to rotate!

! Screw P16 into the coloured holes.

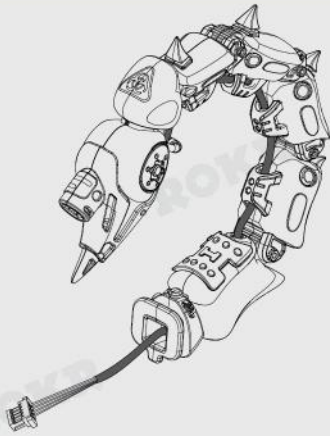
5
P16 xz



! If it's difficult to tighten screws, check the alignment of the holes.



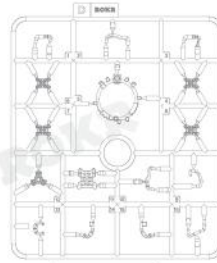
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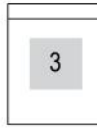
D

G1

G2

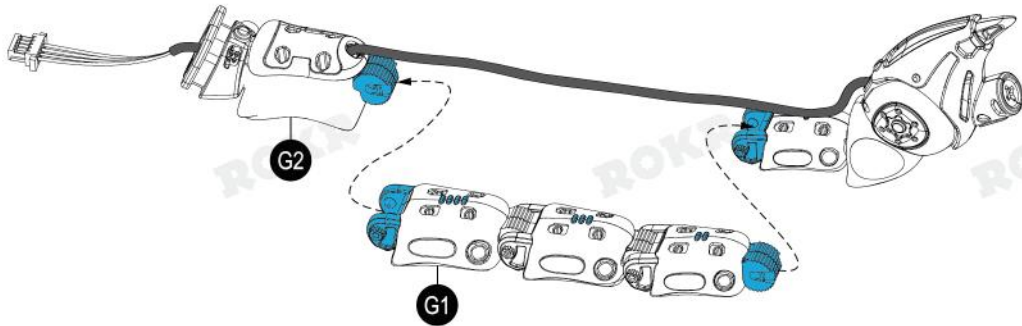


3



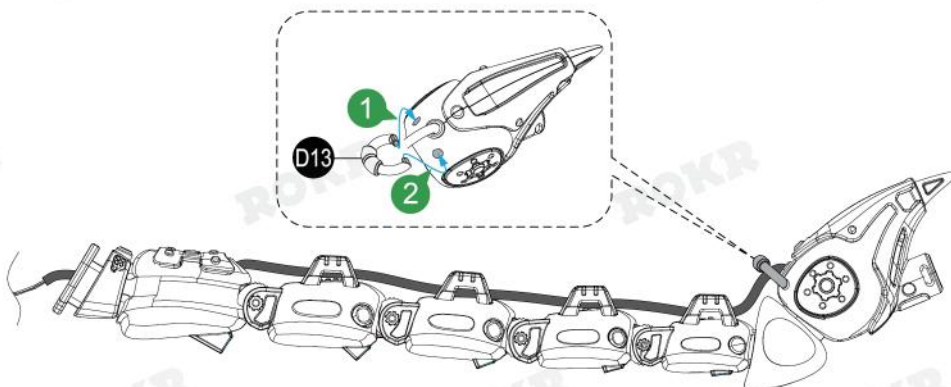
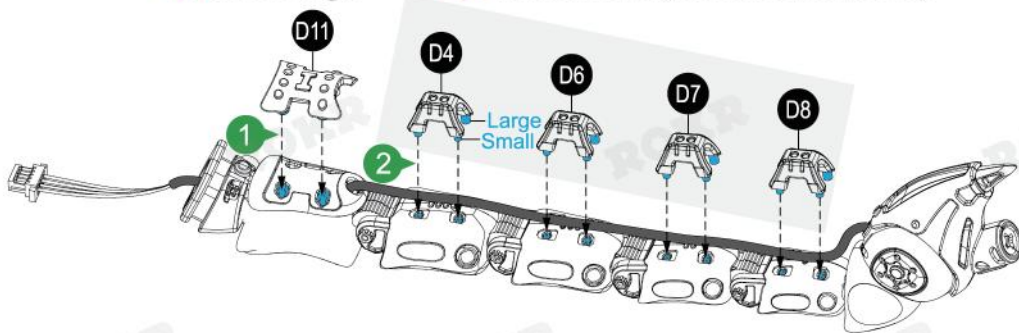
6

<1>



! Pay attention to the direction of D11.

! D4 D6 D7 D8 are the same parts. Pay attention to their directions (pillars have different sizes).



6

<2>



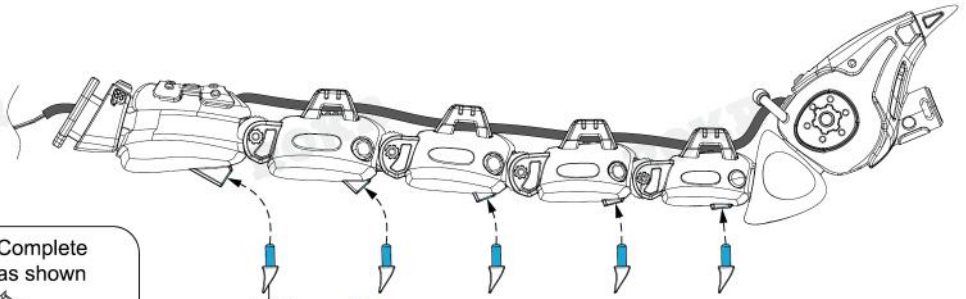
Complete
as shown



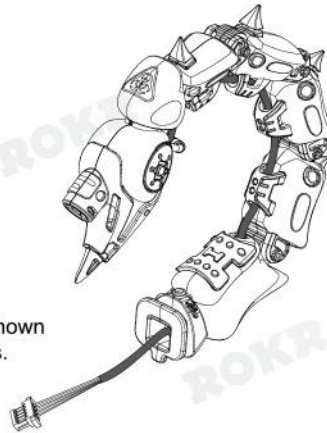
3
P9 X5



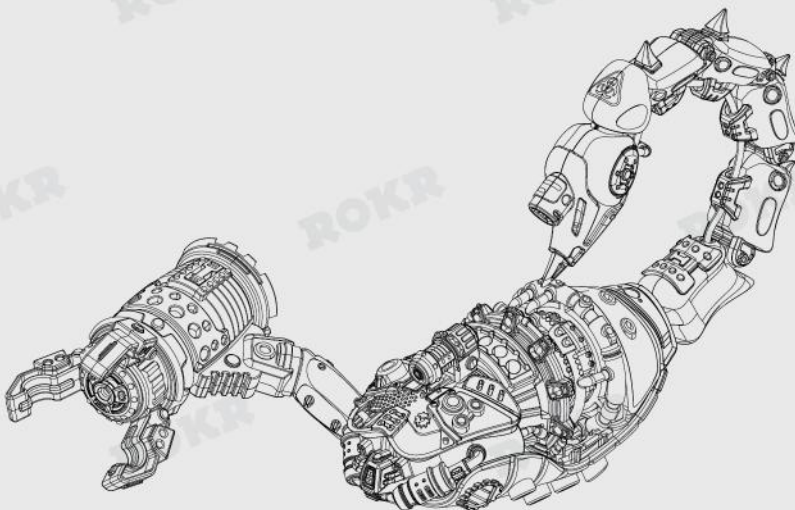
Pay attention to the direction
while assembling.



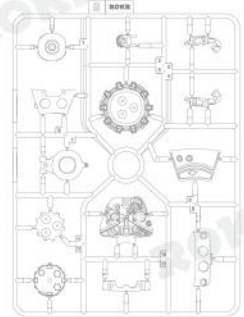
Bend the tail as shown
to adjust the wires.



7



B



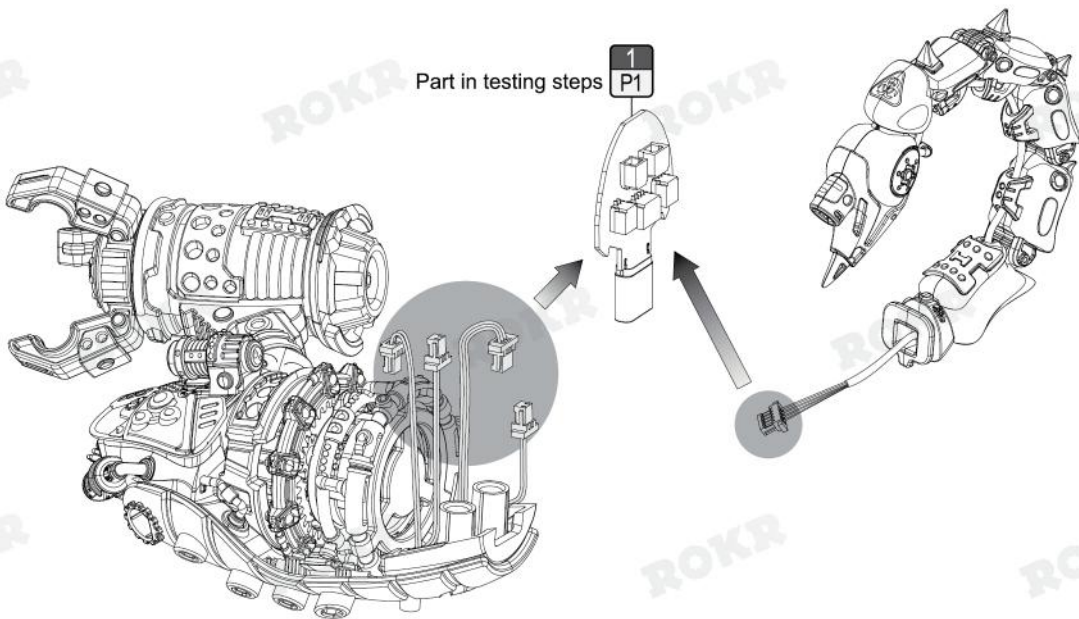
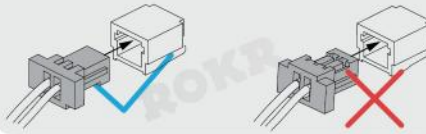
1

4

5



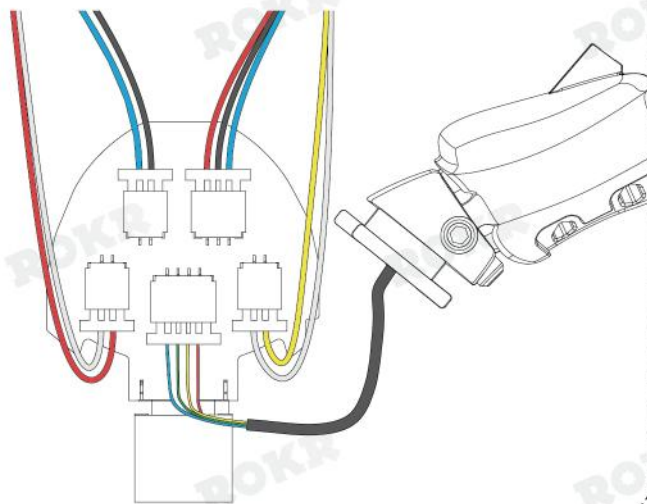
Pay attention to the terminal direction.



Part in testing steps

1
P1

Complete as shown



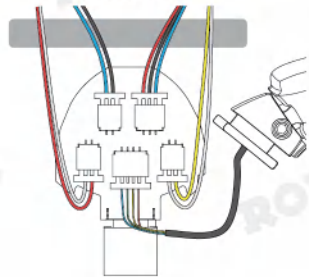


Scan for
assembling videos

! Pay attention to
the direction of
the circuit board

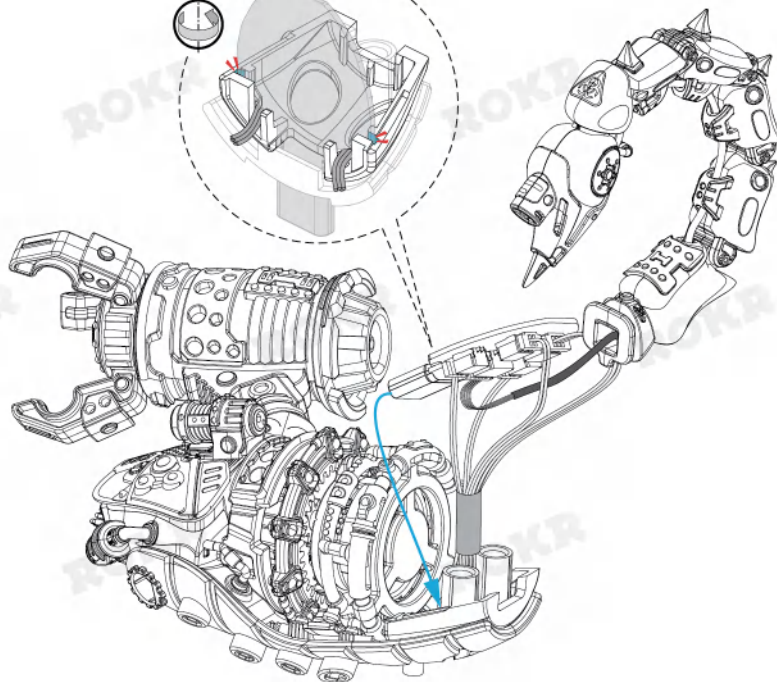
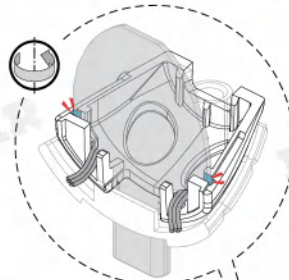
Wires harness diagram

! Harness all wires except
the tail wires (4 wires) into
one strand.



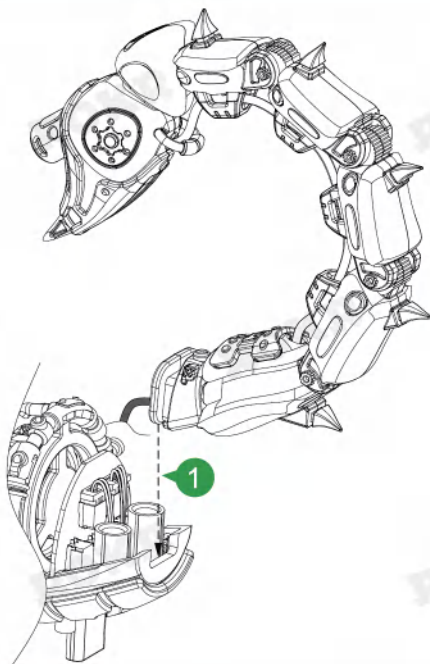
4
P15

! Align the circuit board with
corresponding grooves.



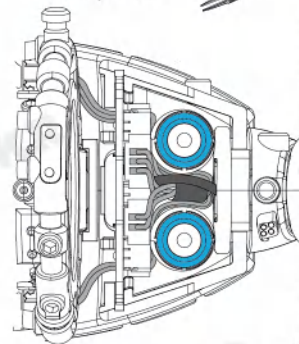
7

<3>



2

Use tweezers to press the wires into gaps of two pillars.

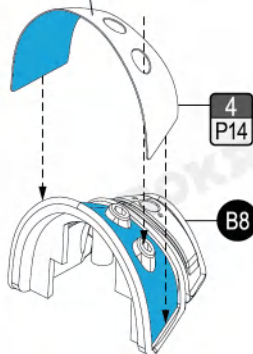


7

<4>

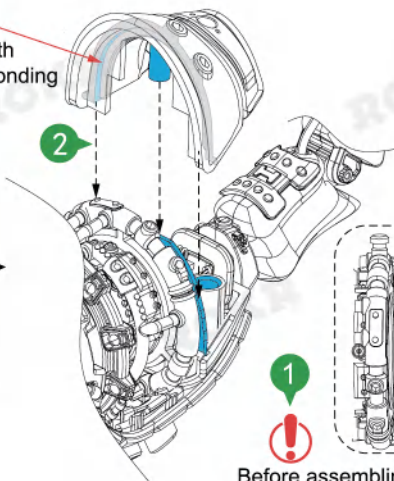
Remove the plastic film on surface

Align with corresponding slots

4
P14

B8

2



1

!

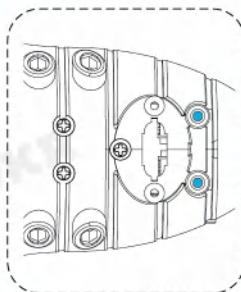
Before assembling, make sure that the wires do not obstruct the pillar and that the circuit board fits into the slot to prevent wire breakage.

!

Tighten screws P16 x2 into coloured holes.

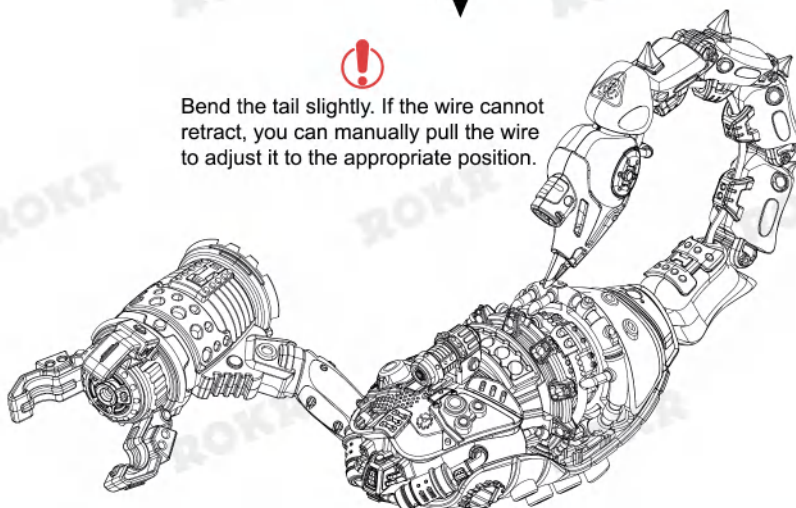
5

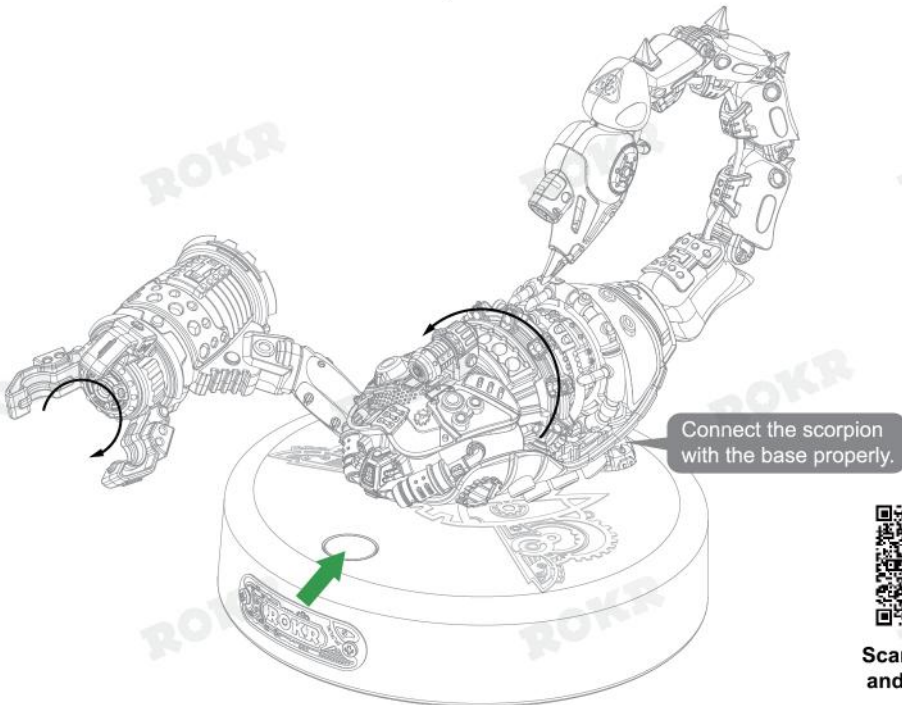
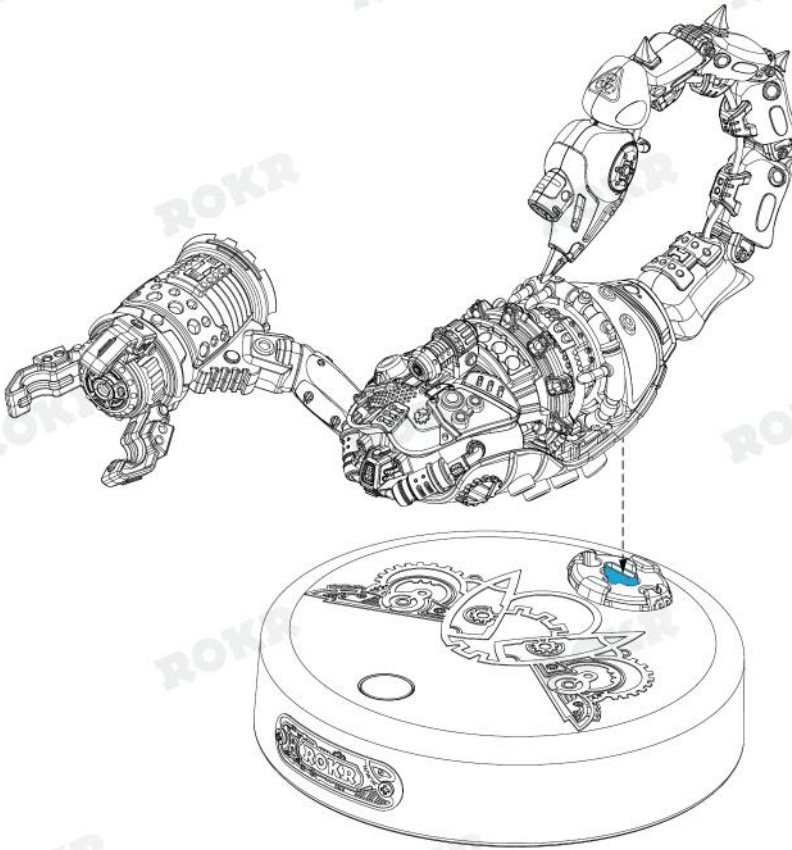
P16 x2



!

Bend the tail slightly. If the wire cannot retract, you can manually pull the wire to adjust it to the appropriate position.



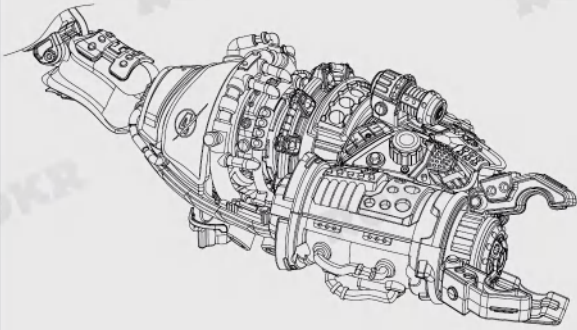


Scan for faults
and solutions

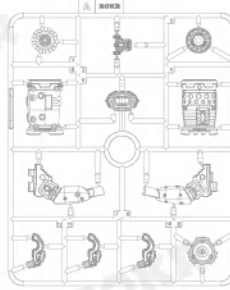


Touch the button to check if the electronic parts are working properly. After confirming that there are no faults, remove the scorpion and continue with the next assembly step.

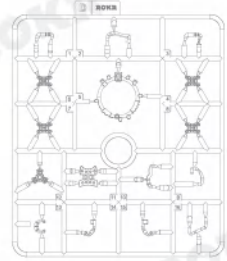
9



A



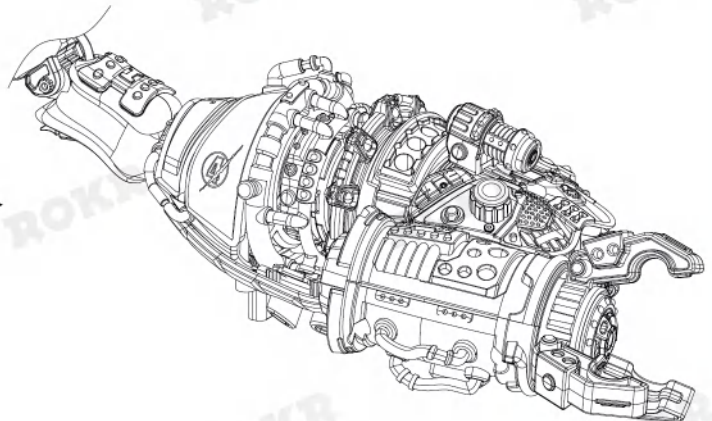
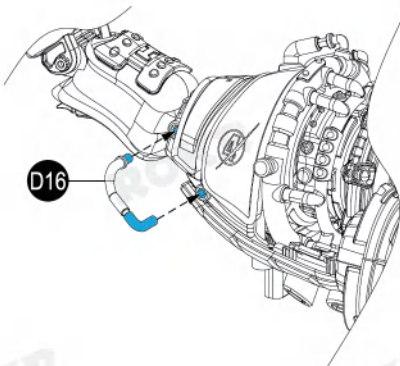
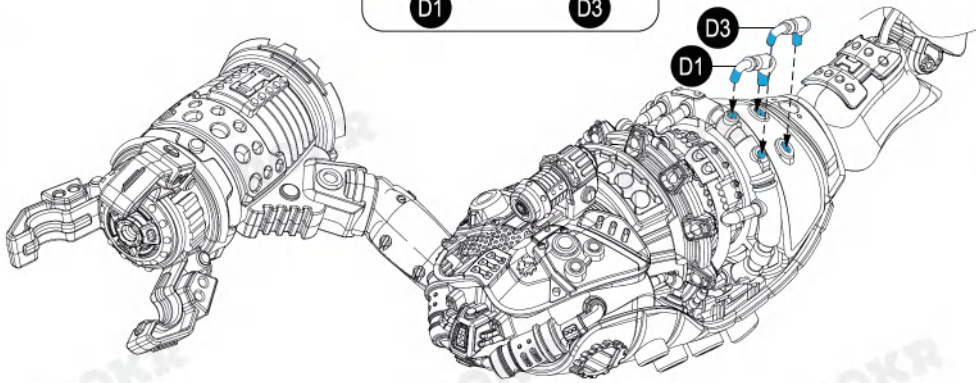
D



5

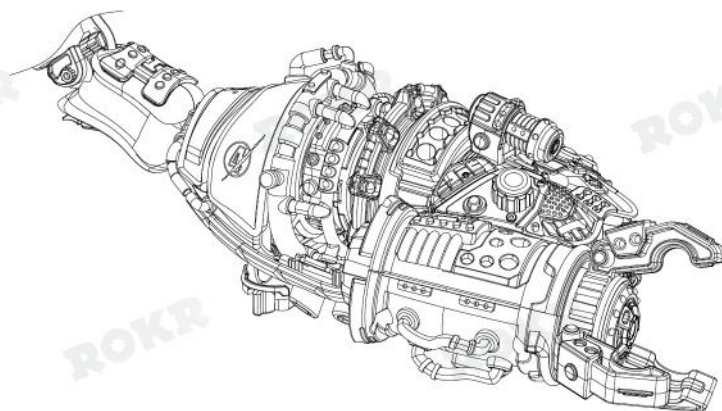
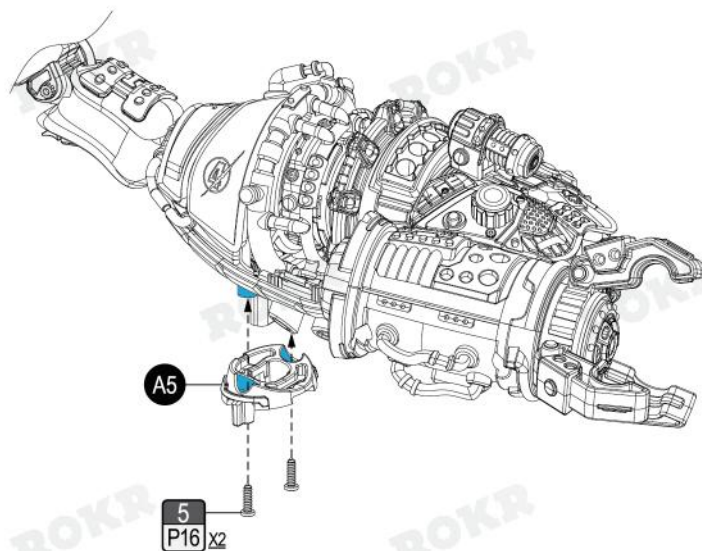
9

<1>

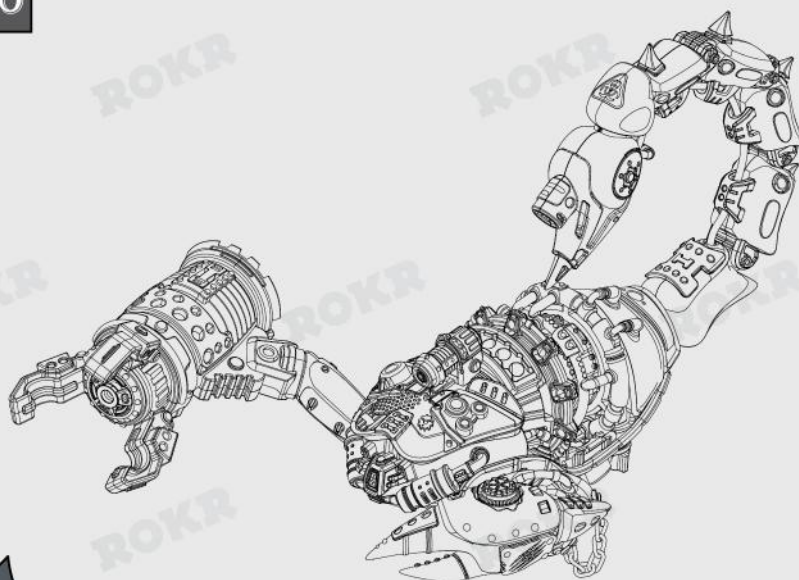


9

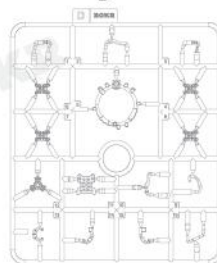
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10



D



G3

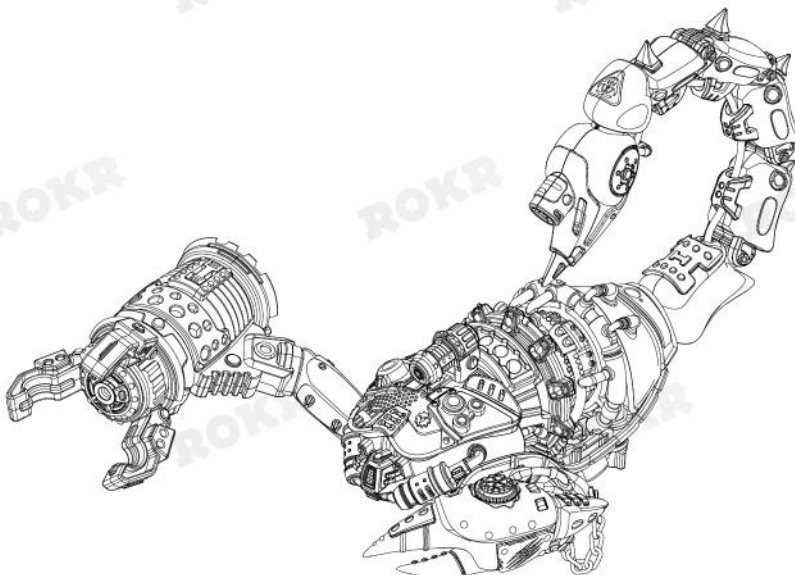
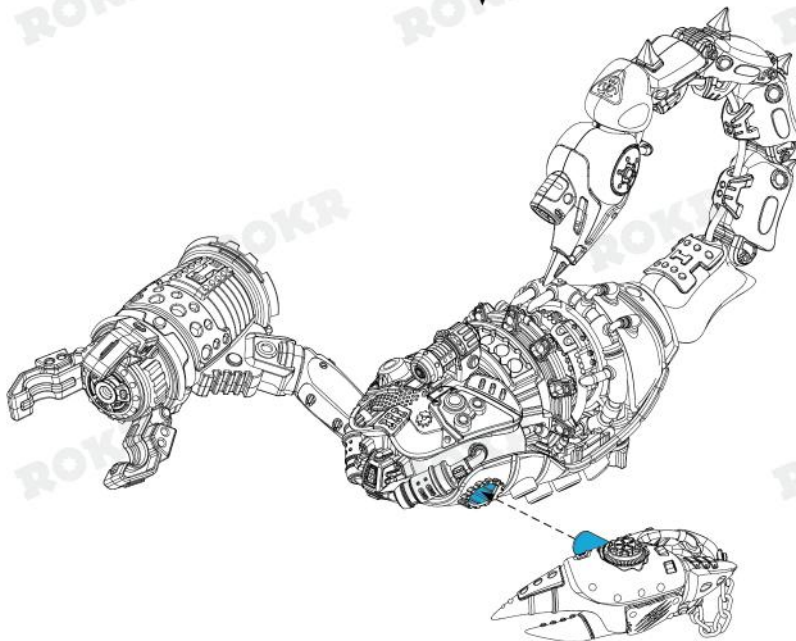
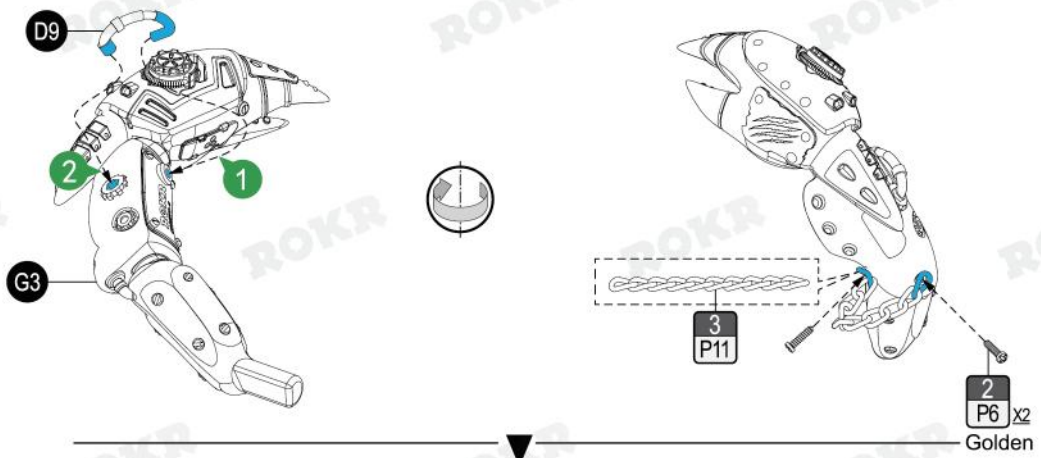


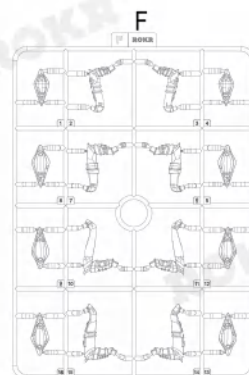
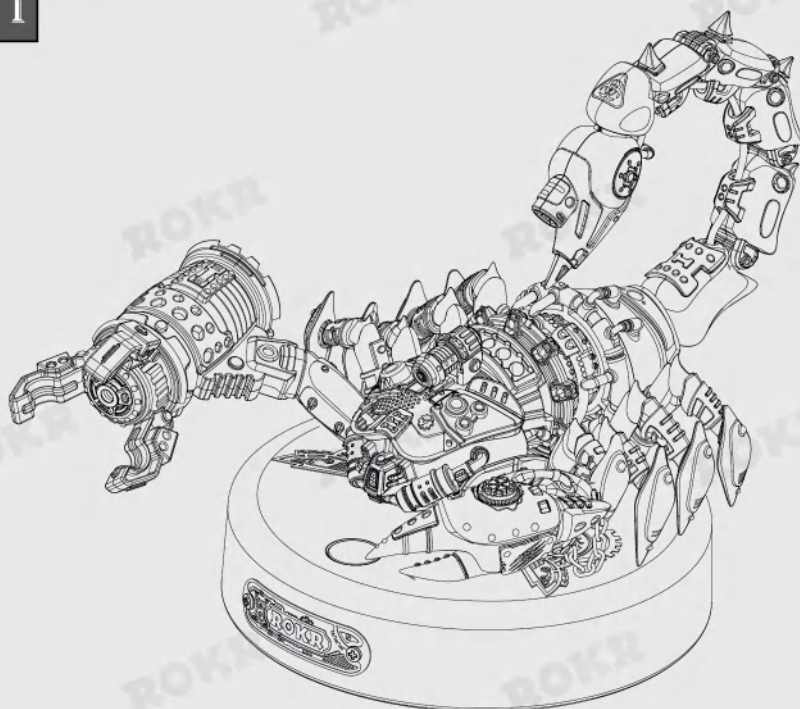
2

3

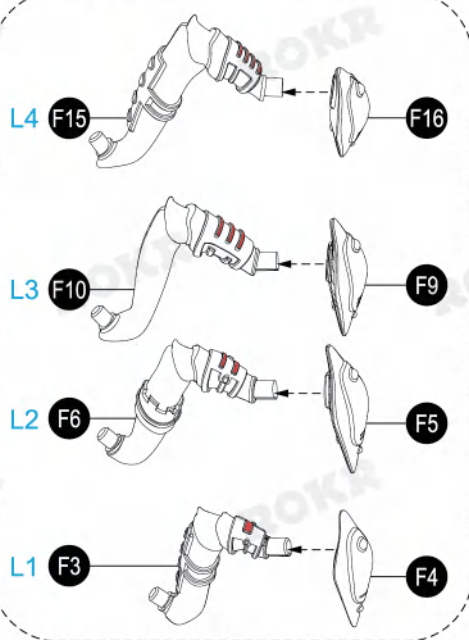
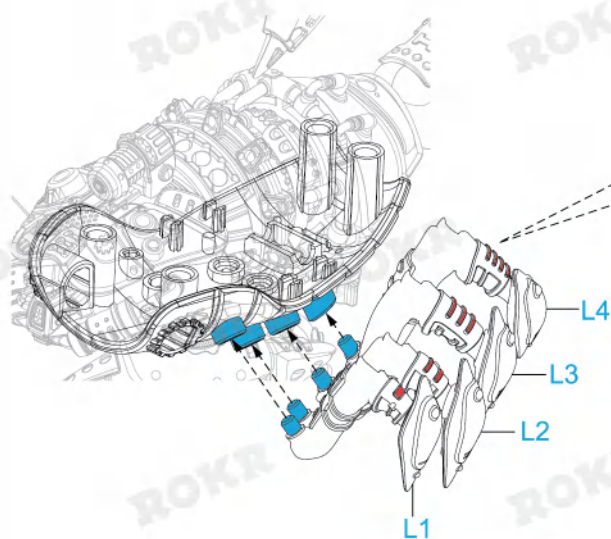
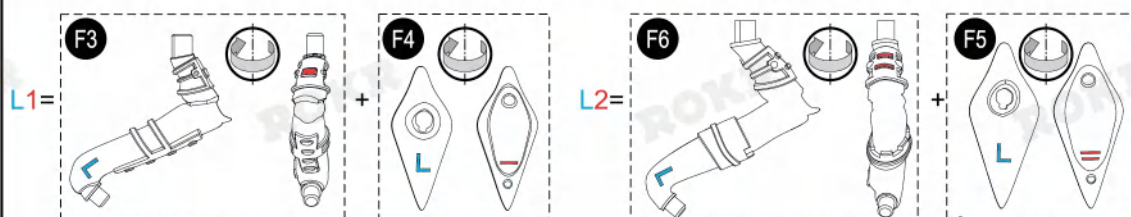
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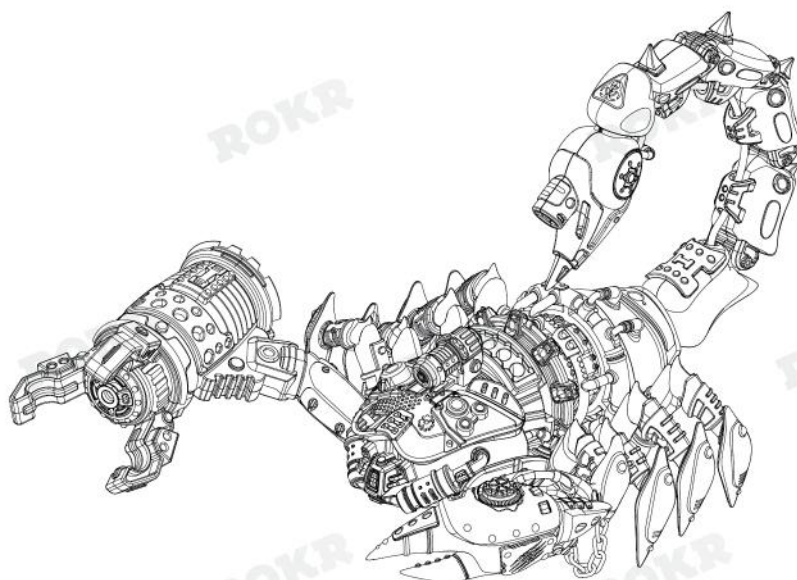
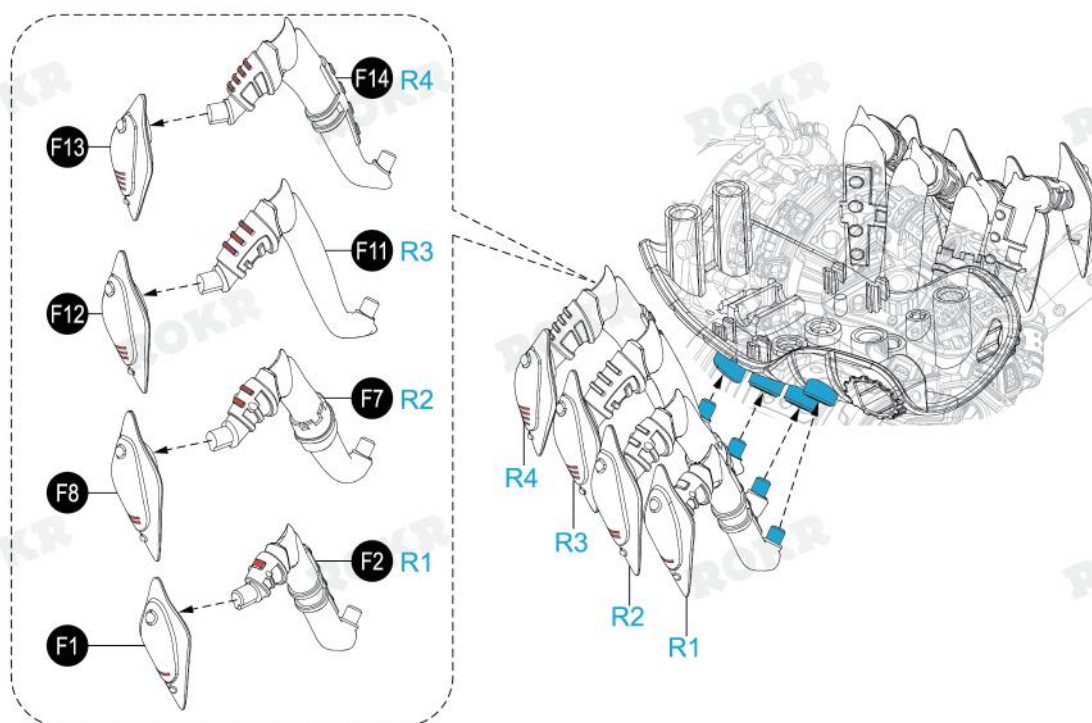
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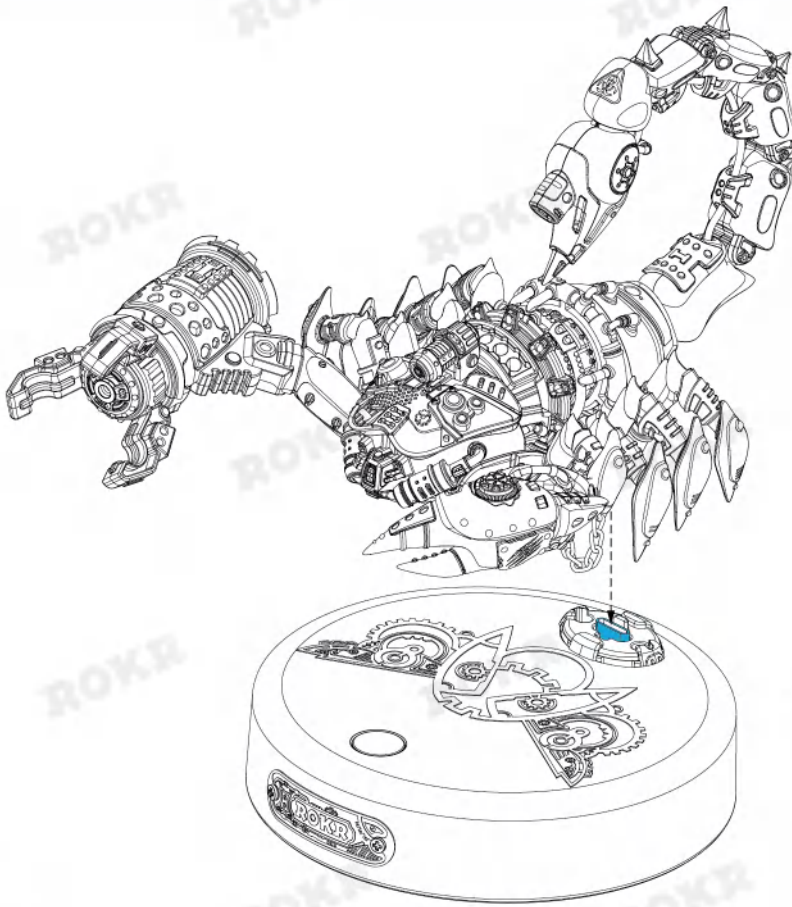




Assembly rules





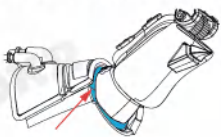


In the testing steps, there were no malfunctions; however, after assembling, there are electronic component abnormalities. You can follow the steps below to troubleshoot:

1. Check if the tail cover is properly tightened.

Solutions:

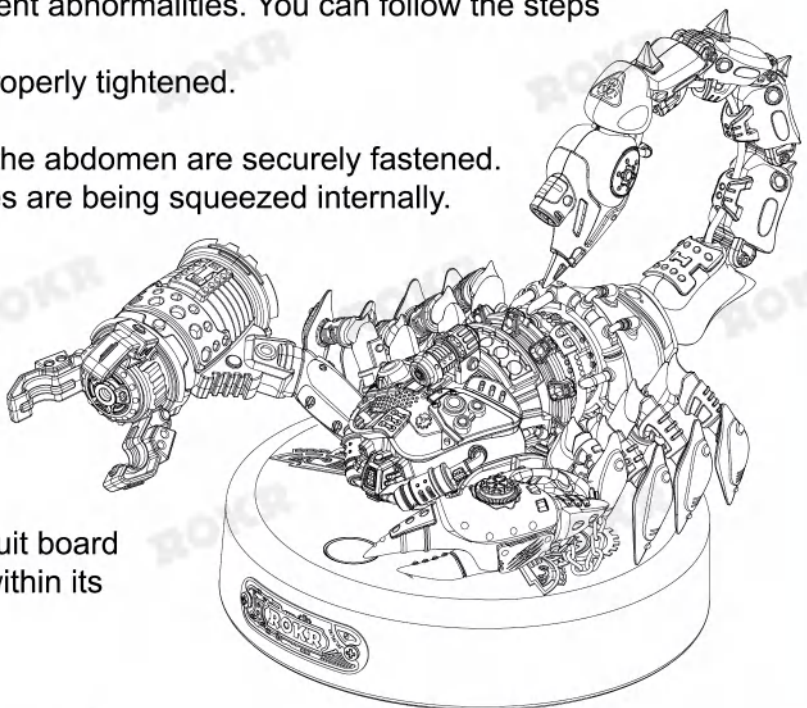
- a. Check if the screws on the abdomen are securely fastened.
- b. Check whether any wires are being squeezed internally.



2. The tail cover is properly tightened but malfunctions persist.

Solutions:

- a. Check whether the circuit board is properly positioned within its corresponding slot.



BIONIC MECHANICAL BEETLE



! ATTENTION

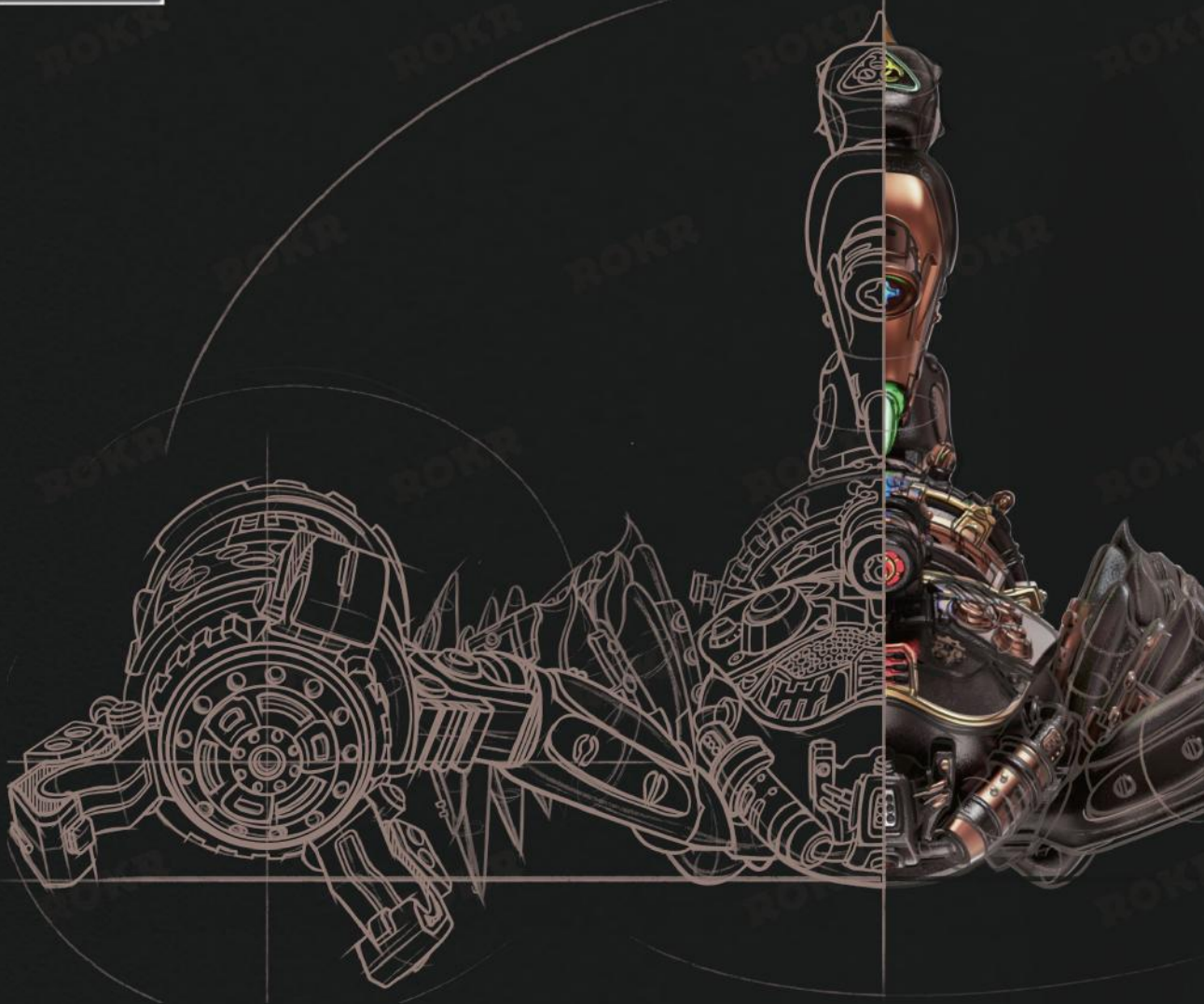
1. After starting, it can run continuously for 3 to 4 minutes (It will automatically stop, so do not worry about forgetting to turn it off).
2. Low battery may cause the electrical motor to run slowly or stop running. Replace batteries to solve the problem.
3. Please keep the toolkit of the product properly for later maintenance.

EMPEROR SCORPION

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MECHANICAL AGE

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