ROKR

STAG BEETLE

MECHANICAL AGE

Organism's Awaken



CODENO03

Assembly Instruction MI03

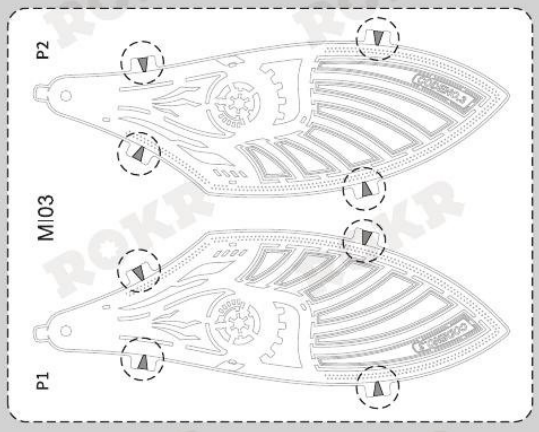
Part List (Some parts have spare.)

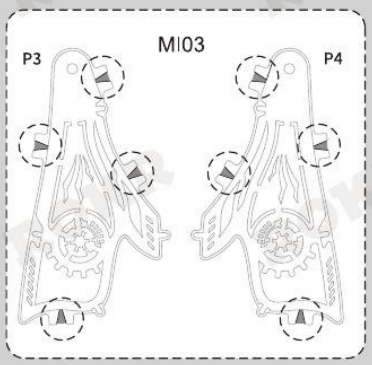
ROKR

Photo-etched sheets

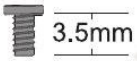
Item number	P1	P2	P3	P4
Item	Silver wing (left)	Silver wing (right)	Black wing (left)	Black wing (right)
Illustration				
Quantity	1	1	1	1

Before assembly, cut the connecting points with a nipper plier.





Bag No.1

Item number	P5	P6	P7	P8	P9
Item	Flat-head screw (Black)	Metal gasket (Black)	Nylon gasket (White)	Connecting rod (Black)	Hex nut (Black)
Illustration	 3.5mm M1.6*3.5	 M1.6*4	 M1.6*3.5		 M1.6
Quantity	2	2	2	2	2

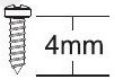
Bag No.2

Item number	P10	P11	P12
Item	Motor	Circuit board (head)	Controller board
Illustr-ation			
Quantity	1	1	1

Bag No.3

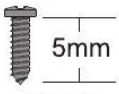
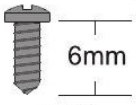
Item number	P13	P14	P15	P16
Item	Copper nail	Metal nameplate	Spring	Transmission rod
Illustration	 Φ1.3*5			
Quantity	4	1	1	2

Bag No.4

Item number	P17	P18	P19	P20	P21	P22
Item	Round steel shaft	Round steel shaft (Gold)	Round steel shaft	Hexagon steel shaft	Copper nail	Screw (Gold)
Illustration	 Φ1*16	 Φ2*10	 Φ2*13	 S2*40	 Φ1.4*6	 M1.2*4
Quantity	1	1	2	1	1	4

Bag No.5

Item number	P23	P24	P25	P26	P27
Item	Gear	Gear	Gear	Gear	Gear transmission shaft
Illustration					
Quantity	1	1	1	1	1

	Bag No.6	Bag No.X1	Bag No.8
Item number	P28	P29	P30
Item	Screw (Black)	Screw (Black)	Base
Illustration	 M1.4*5	 M2*6	
Quantity	35	4	1

Tools

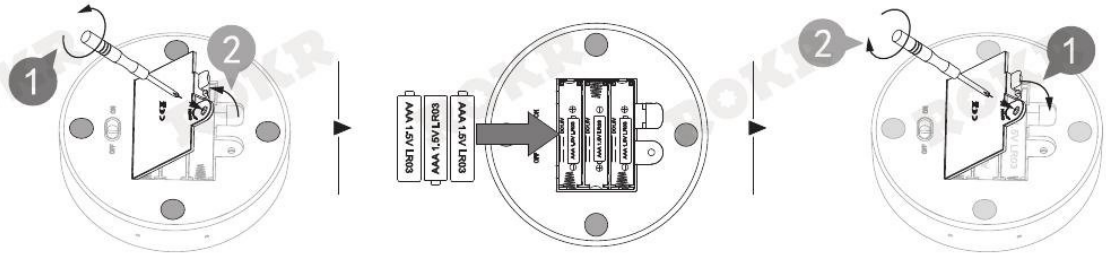
Spanner	Screwdriver	Cotton swab	Grease	Sandpaper stick
				

1:1 Ruler



⚠ 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.

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Product Display

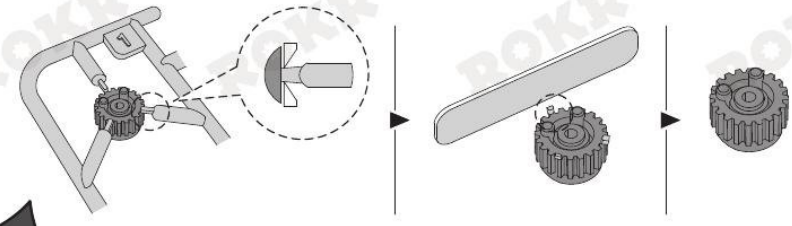
ATTENTION:

·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 an 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 boards.

Instructions of using the nipper plier

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

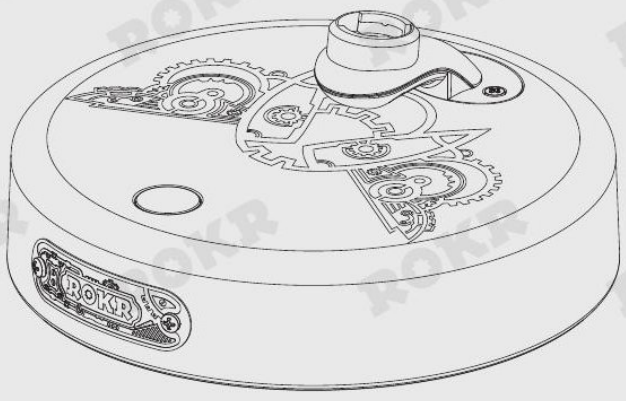
Leftover cutting points can be polished by the sandpaper stick.



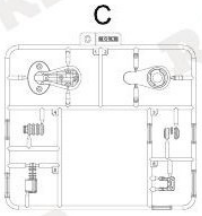
Icon Illustration

1 Step 1
2 Step 2
Perspective conversion
Remove the plastic film on surface
Grease with cotton swabs
Sand cutting points with sandpaper stick
Special attention in assembly
1 P5 Part P5 in Bag No.1

1



Completion Diagram





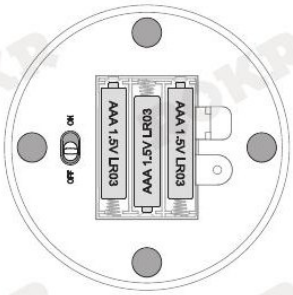
Part Bag:
Please take out parts in sequence and do not pour them all out to avoid mixing.

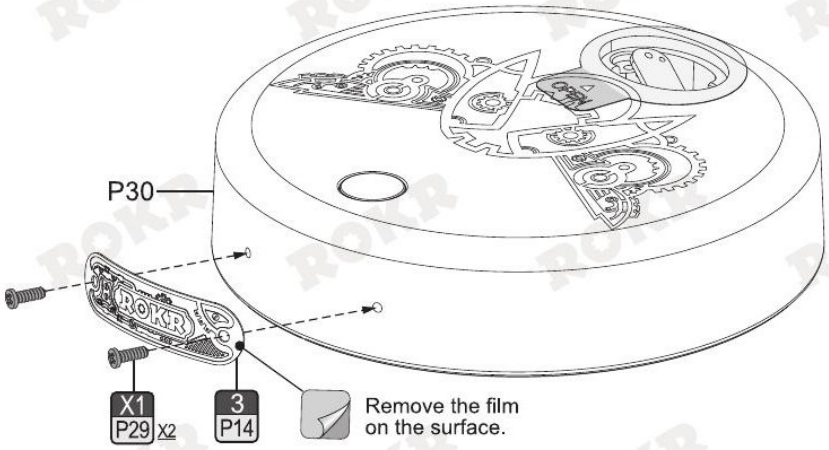
3	4	6	X1

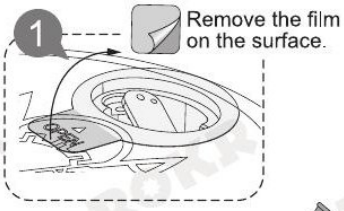
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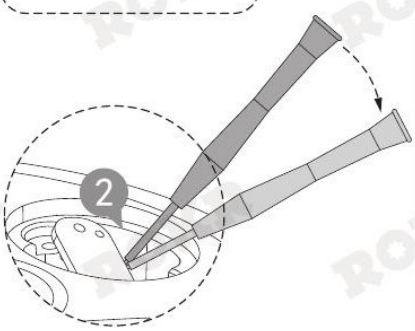
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Install batteries and make sure the switch is off.







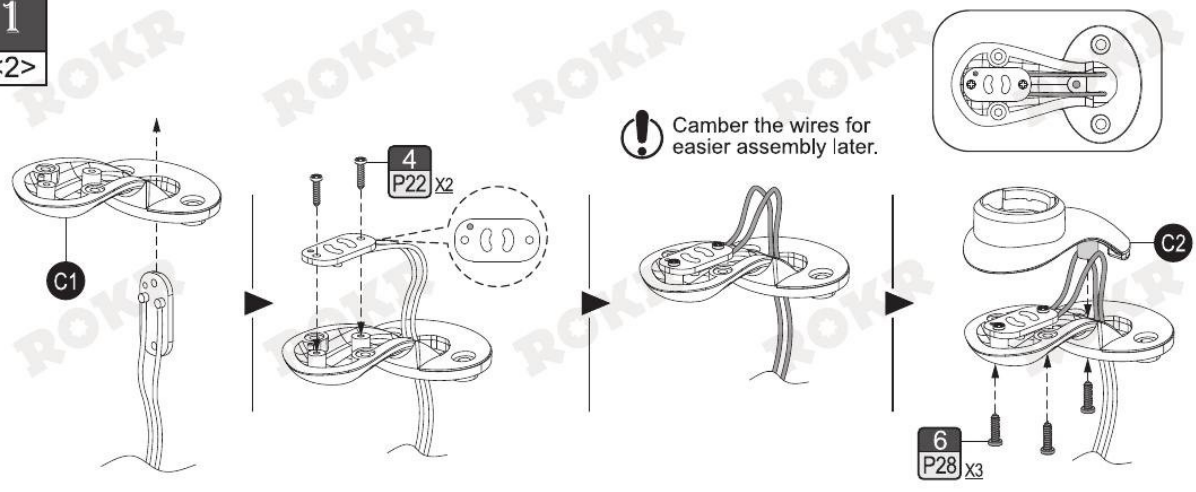


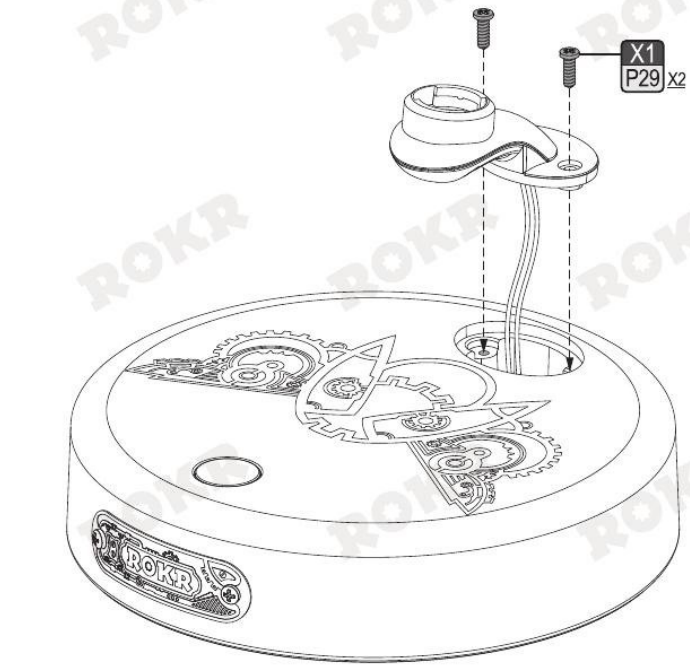
Get the wires out with the screwdriver.



1

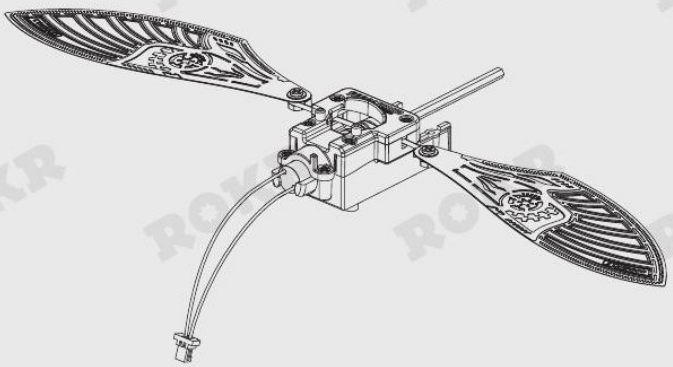
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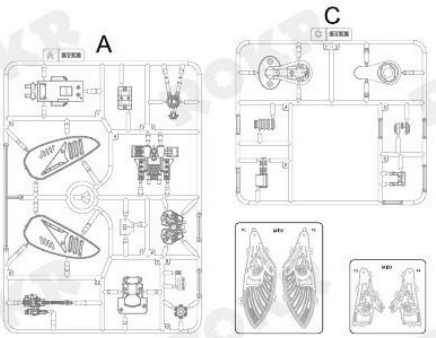

C1
4
P22 X2
Camber the wires for easier assembly later.
C2
6
P28 X3


X1
P29 X2
ROKR


ROKR

2

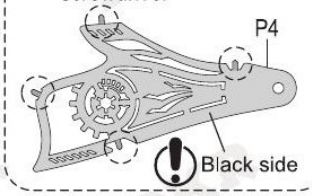


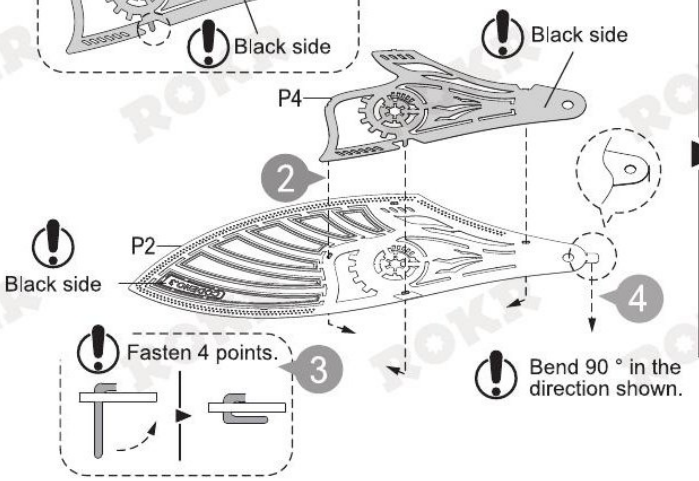


1	2	4	6

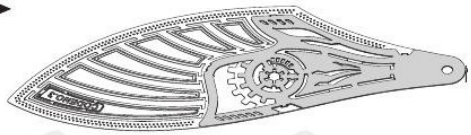
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Bend the 4 fastening points downward by 90 °with a screwdriver. 1





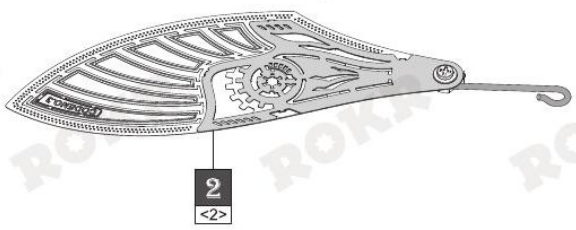
Scan for assembly video

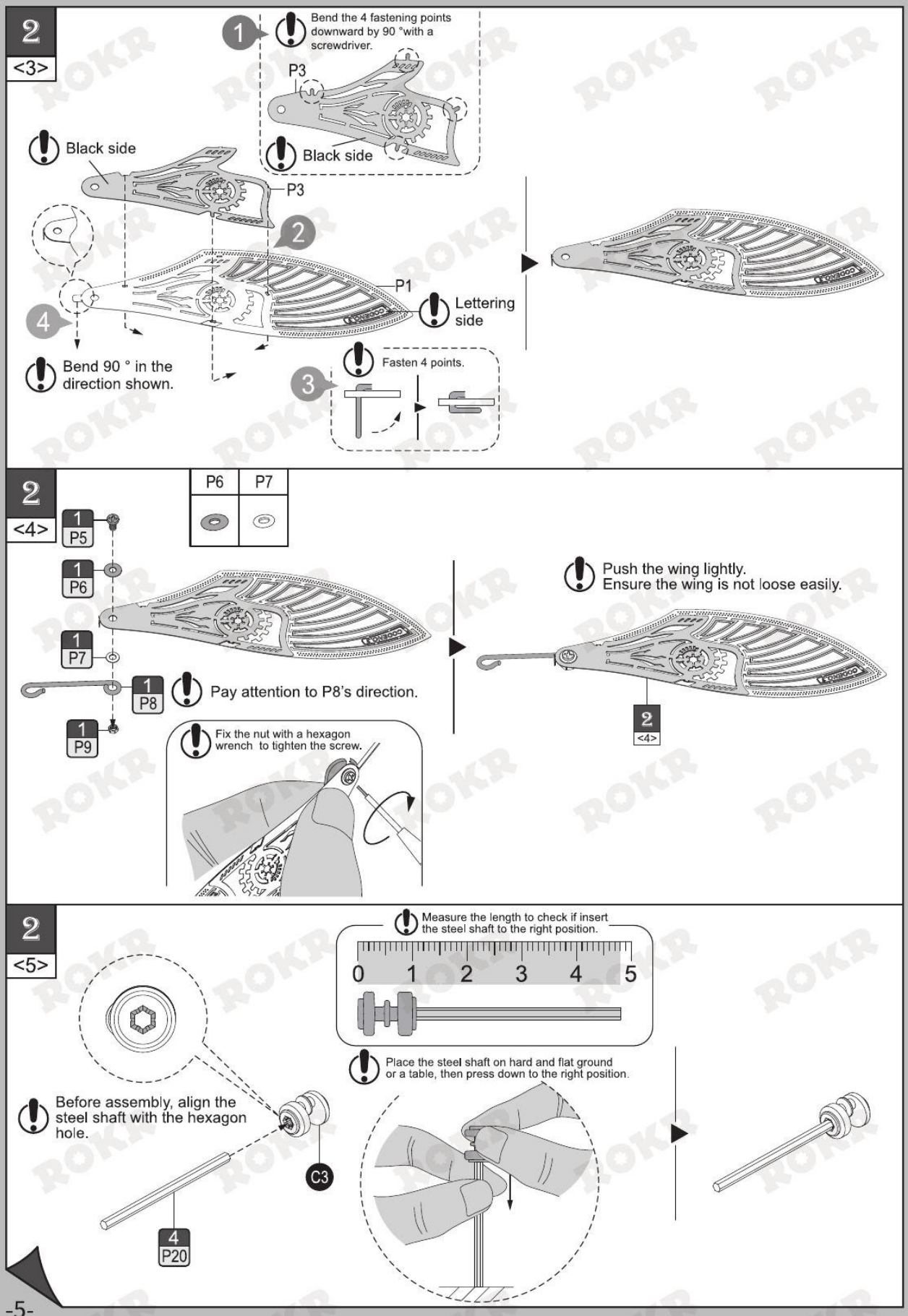


2 <2>

P6	P7
	

Push the wing lightly. Ensure the wing is not loose easily.

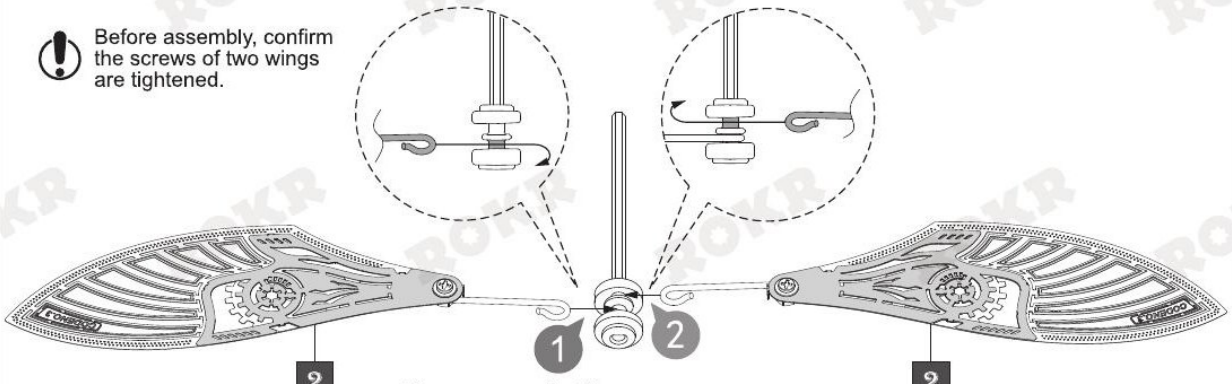



2
<3>
1
Bend the 4 fastening points downward by 90 °with a screwdriver.
P3
Black side
Black side
P3
2
P1
Lettering side
4
Bend 90 ° in the direction shown.
3
Fasten 4 points.
2
<4>
P6
P7
1 P5
1 P6
1 P7
1 P8
1 P9
Pay attention to P8's direction.
Fix the nut with a hexagon wrench to tighten the screw.
Push the wing lightly.
Ensure the wing is not loose easily.
2
<4>
2
<5>
Measure the length to check if insert the steel shaft to the right position.
0 1 2 3 4 5
Place the steel shaft on hard and flat ground or a table, then press down to the right position.
Before assembly, align the steel shaft with the hexagon hole.
C3
4
P20

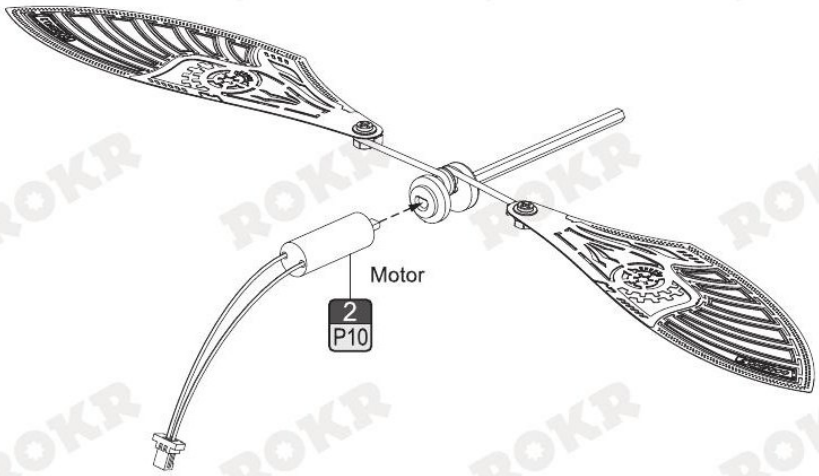
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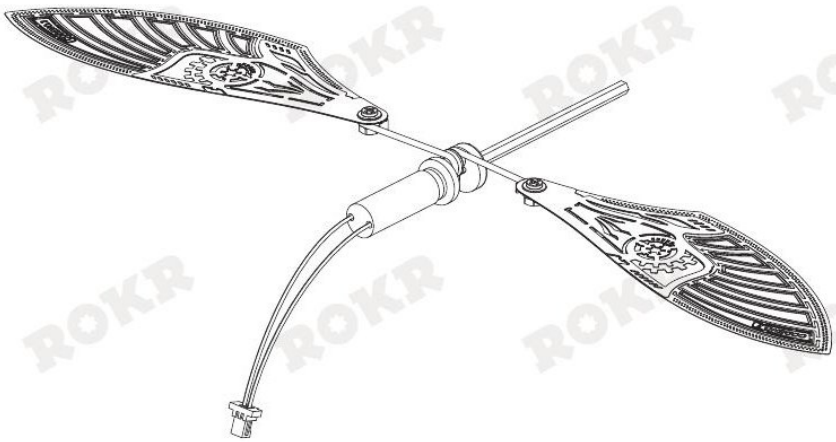
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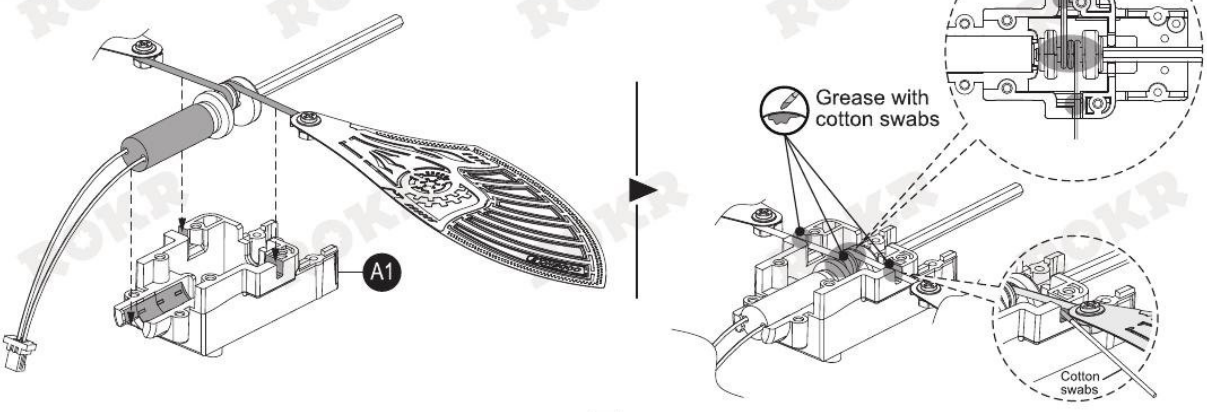
Before assembly, confirm the screws of two wings are tightened.

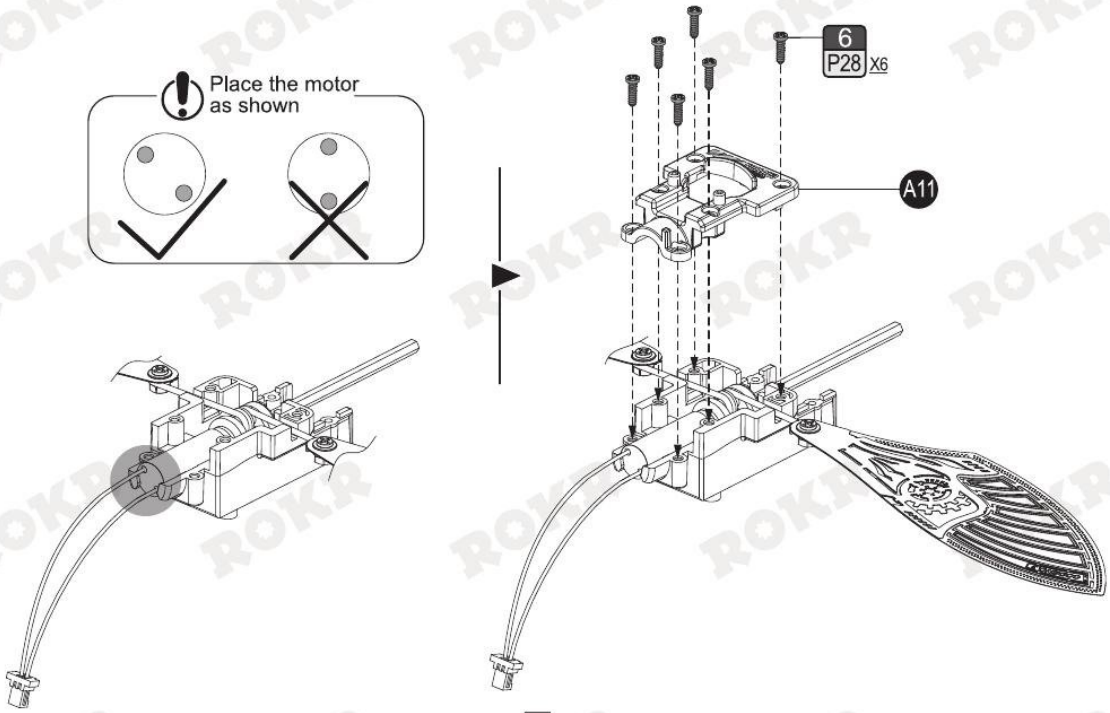


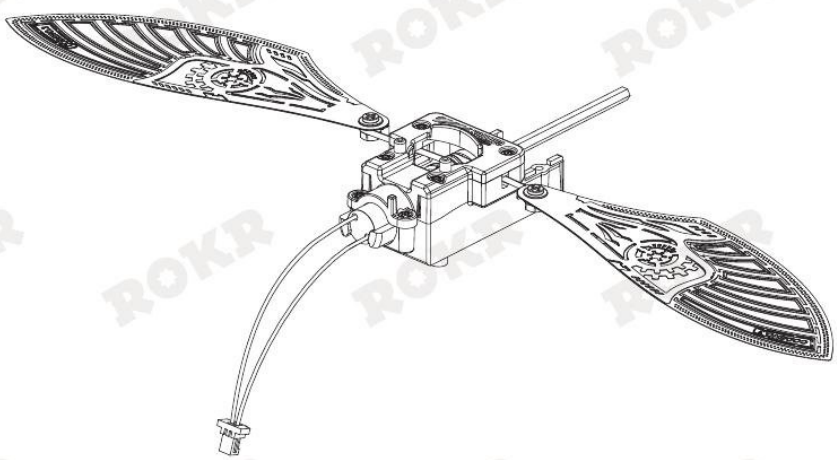
Please ensure that the left and right wings are correctly positioned.



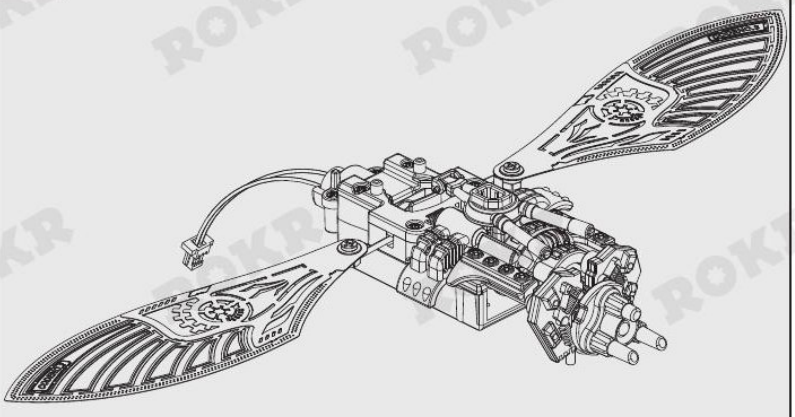


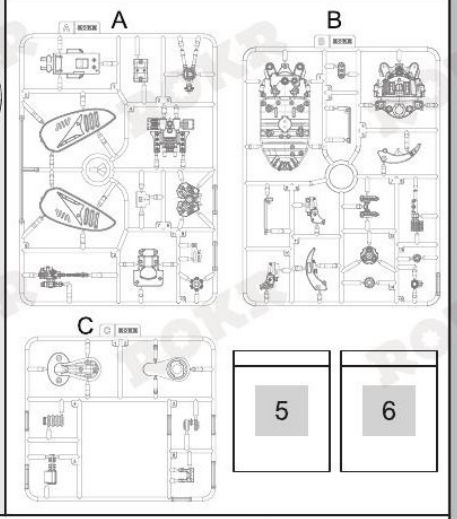

A1
Grease it to ensure smooth operation of wings.
Grease with cotton swabs
Cotton swabs


Place the motor as shown
6
P28 X6
A11



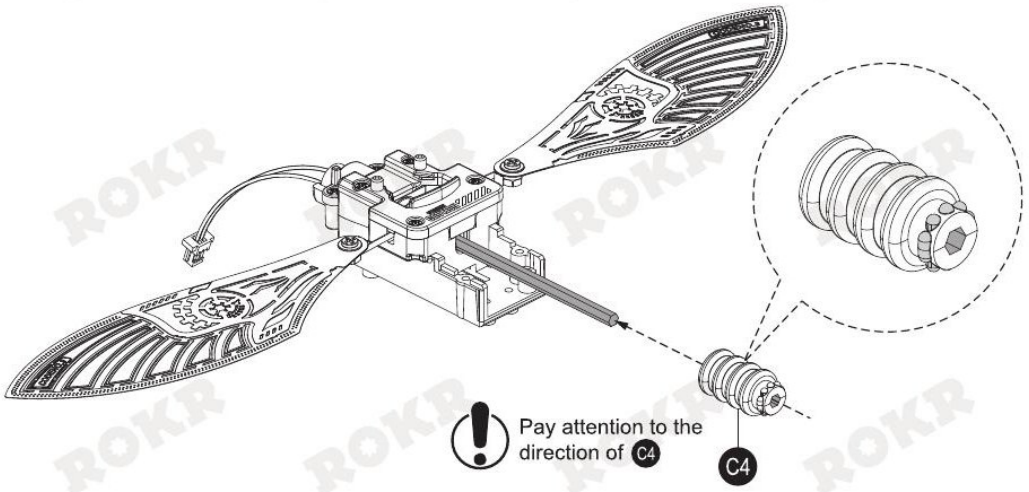
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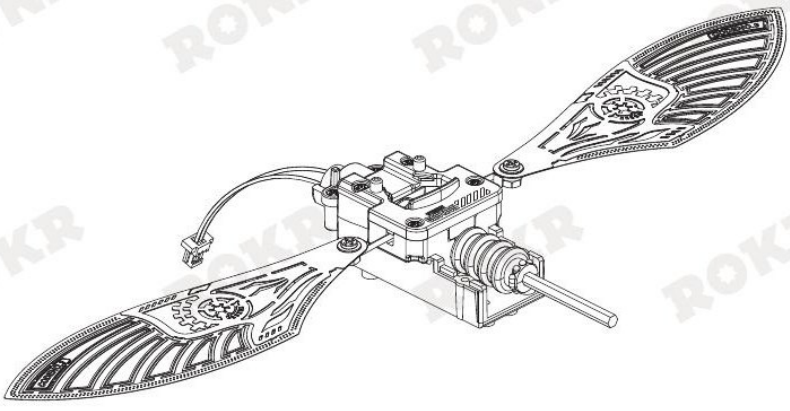




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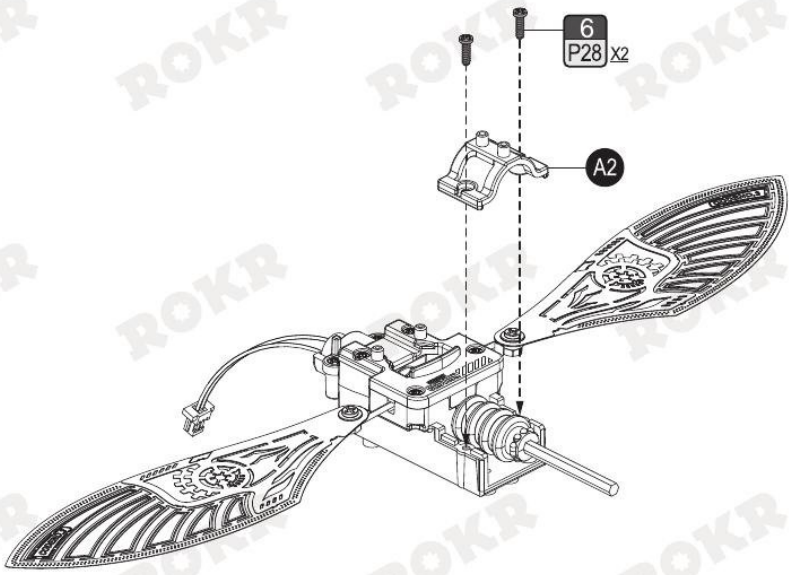
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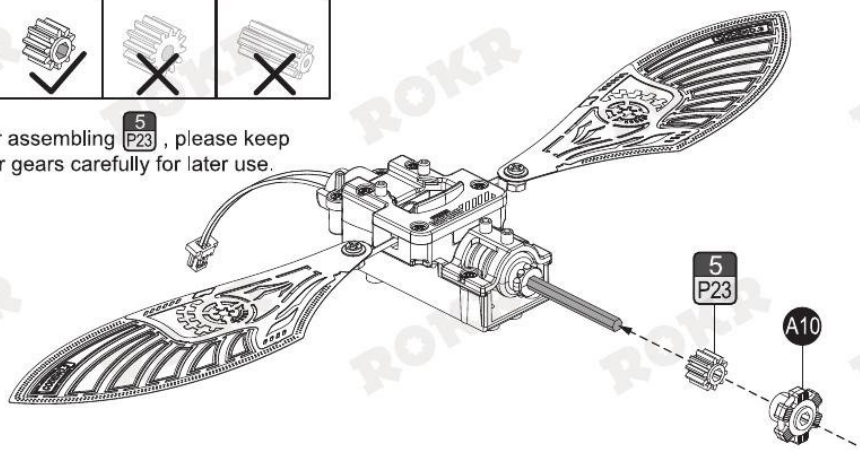
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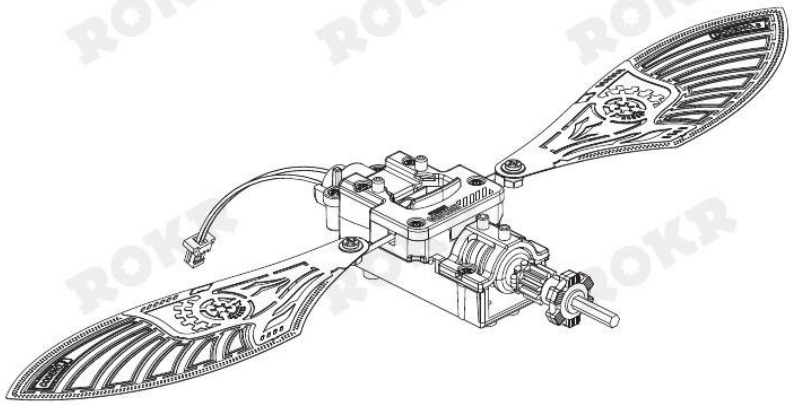
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P23	P24	P26
✓	✗	✗

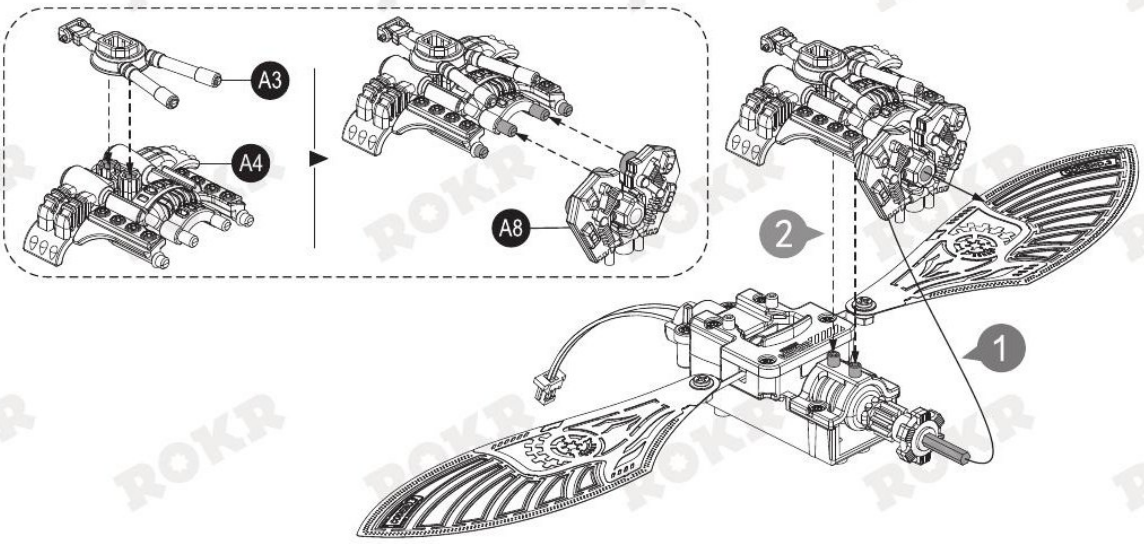
After assembling 5 P23 , please keep other gears carefully for later use.

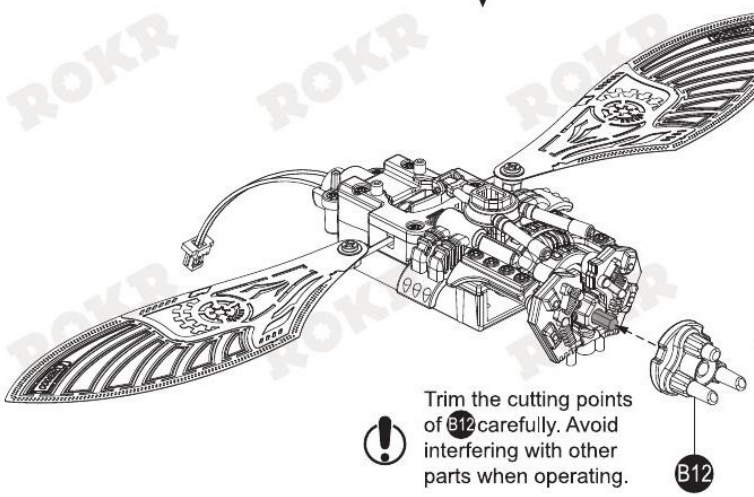


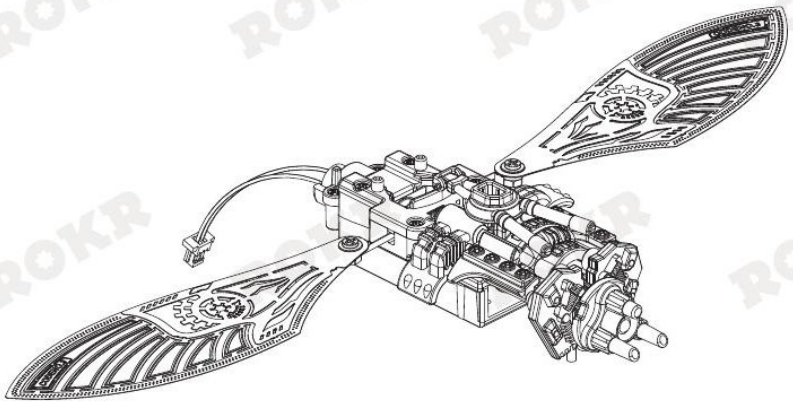


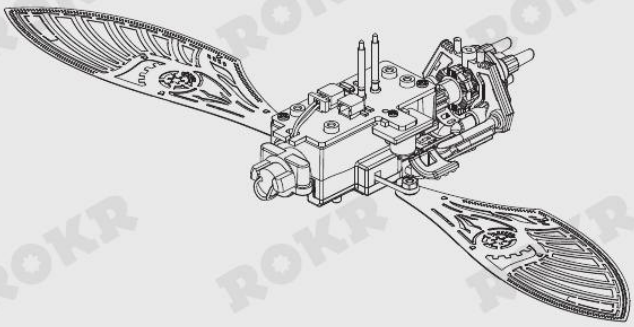
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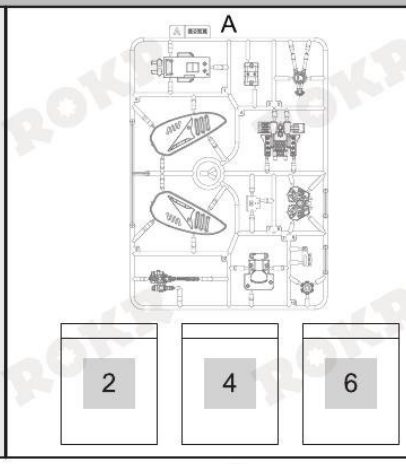
<3>


A3
A4
A8
2
1


Trim the cutting points of B12 carefully. Avoid interfering with other parts when operating.
B12





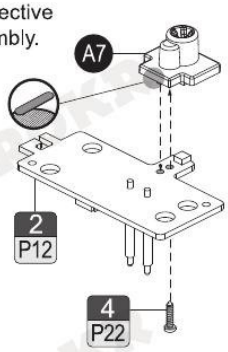


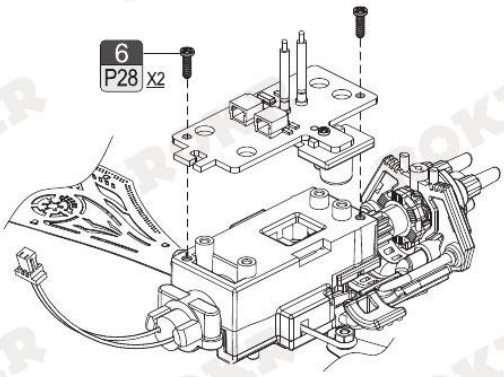
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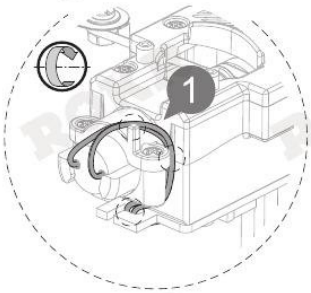
2 P12 remove its protective cover before assembly.

Sand cutting points with sandpaper stick

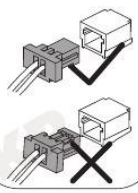


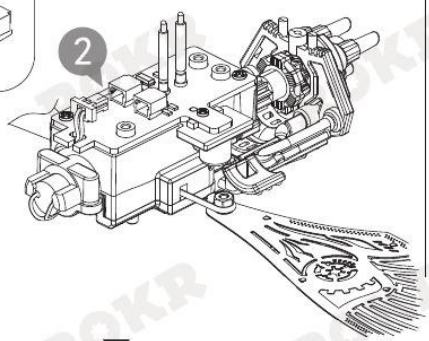


Arrange the wires in order as shown.

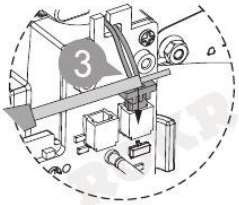


Pay attention to the direction of the terminals.

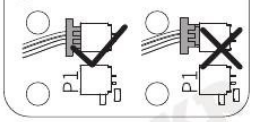


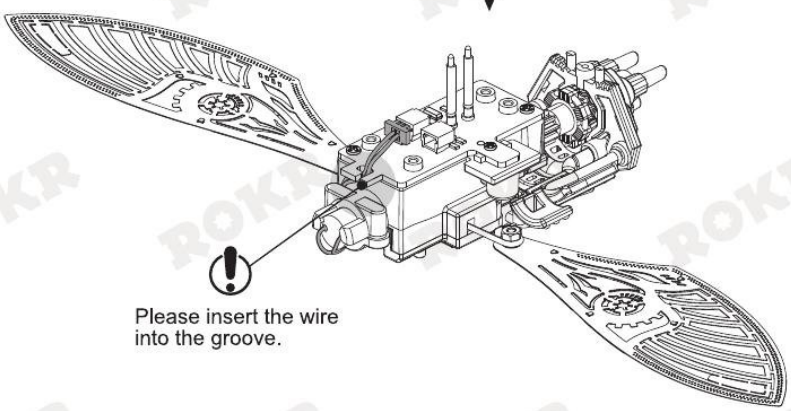


Suggest to use the screwdriver to assemble terminals.



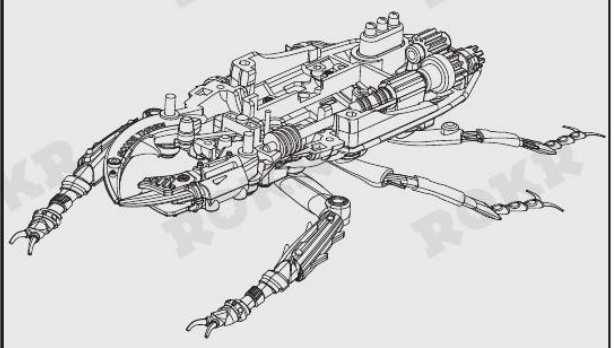
Completed as shown (Need to be pinched tightly)

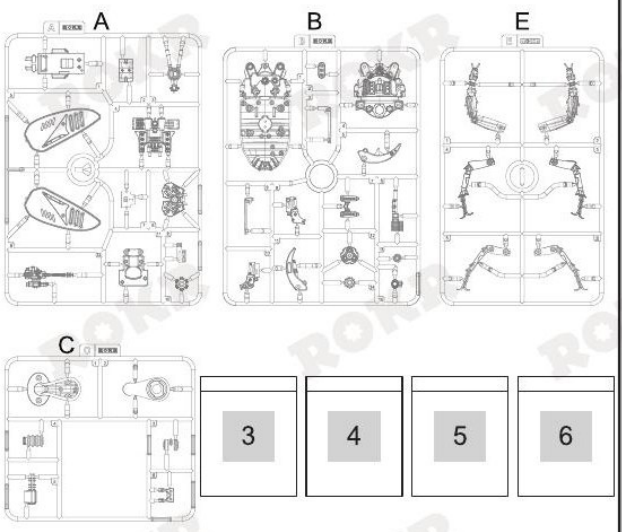




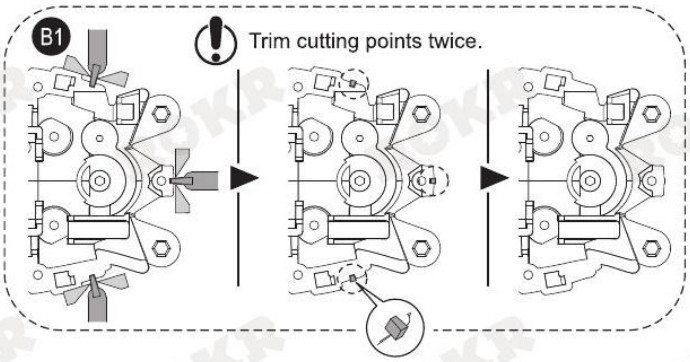
Please insert the wire into the groove.

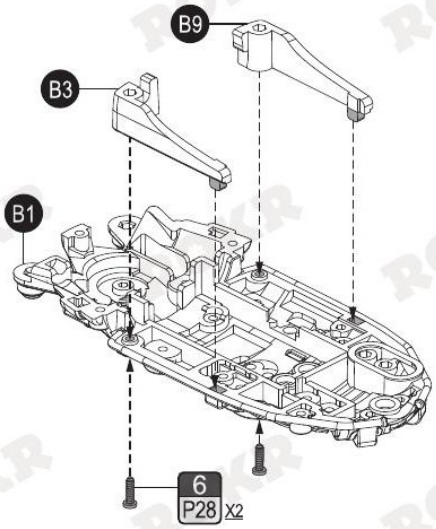
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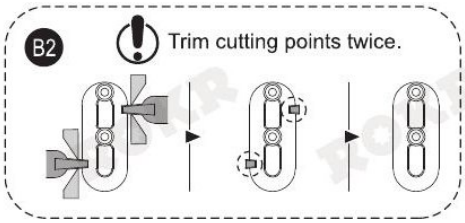

A
B
E
C
3
4
5
6

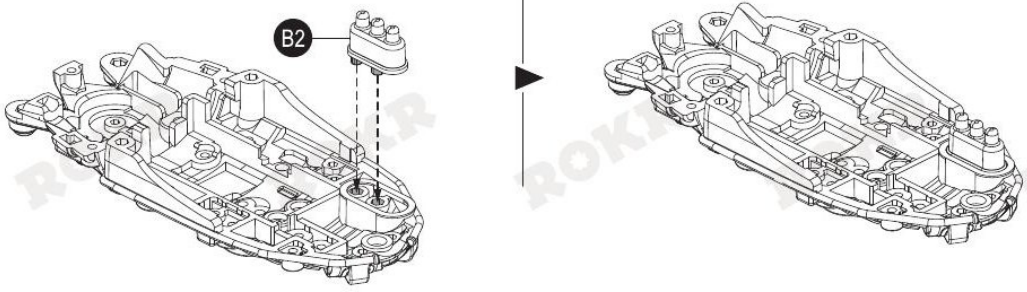
5 <1>


B1
Trim cutting points twice.

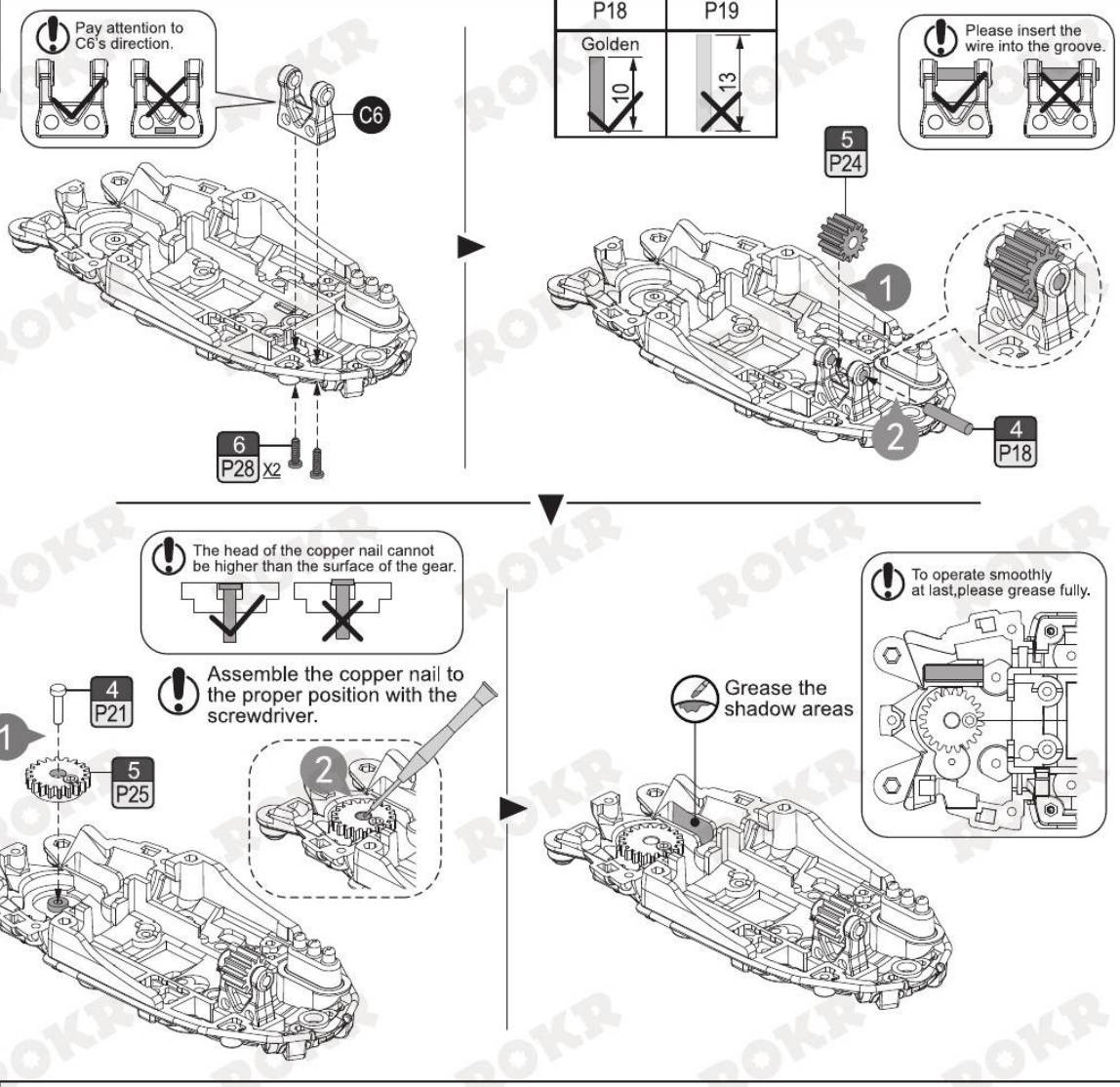

B9
B3
B1
6
P28
X2

5 <2>

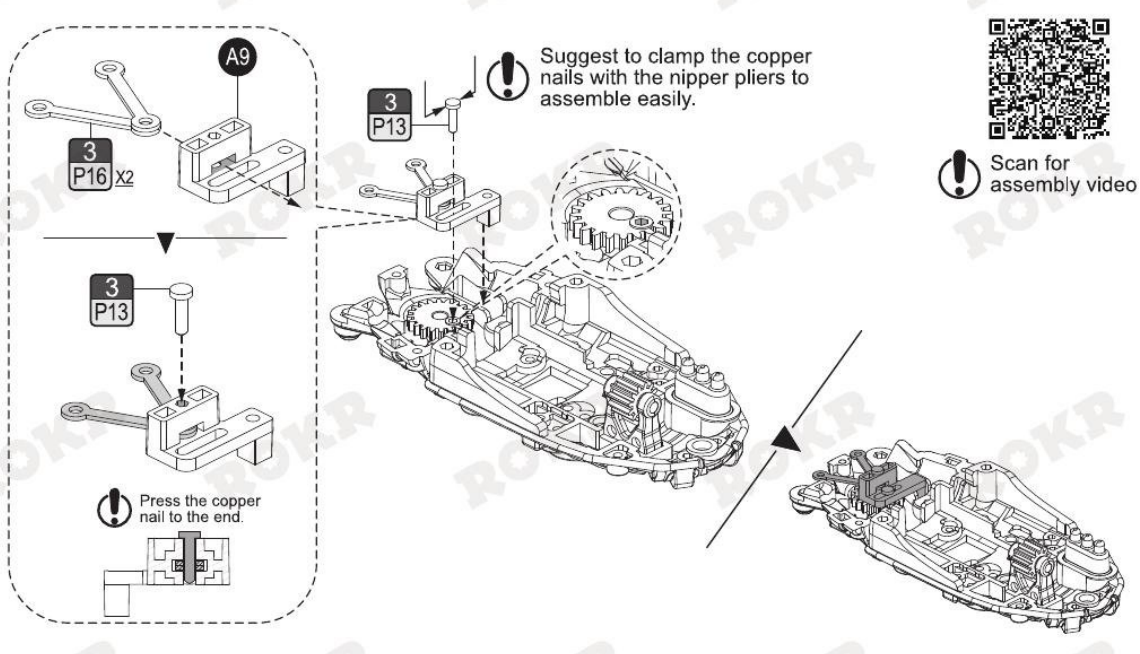

B2
Trim cutting points twice.


B2

5 <3>


Pay attention to C6's direction.
C6
P18
P19
Golden
10
13
Please insert the wire into the groove.
5 P24
1
2
4 P18
6 P28 X2
The head of the copper nail cannot be higher than the surface of the gear.
To operate smoothly at last,please grease fully.
Assemble the copper nail to the proper position with the screwdriver.
4 P21
5 P25
1
2
Grease the shadow areas

5 <4>


A9
3 P16 X2
3 P13
Suggest to clamp the copper nails with the nipper pliers to assemble easily.
3 P13
Press the copper nail to the end.
Scan for assembly video

5

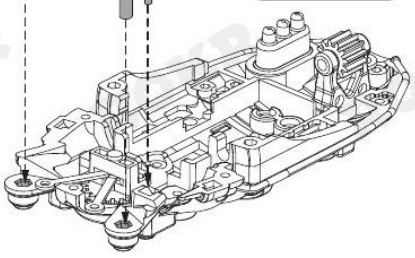
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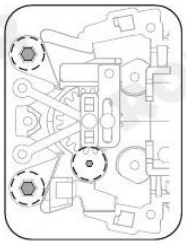
Press the steel shaft with the screwdriver tail.

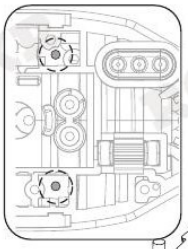
Screwdriver

4 P19 X2

4 P17

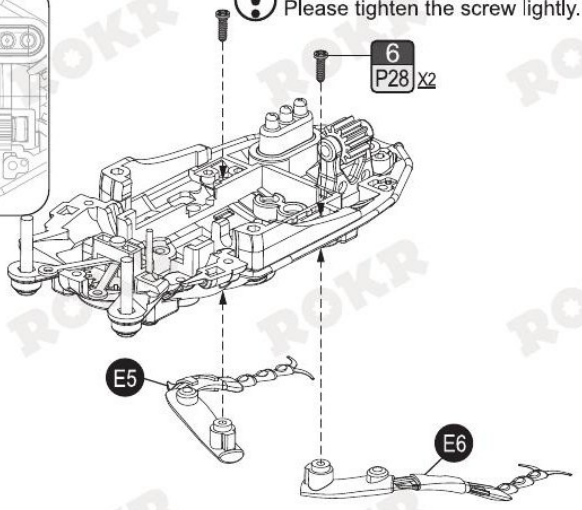






Legs are made from PVC. Please tighten the screw lightly.

6 P28 X2

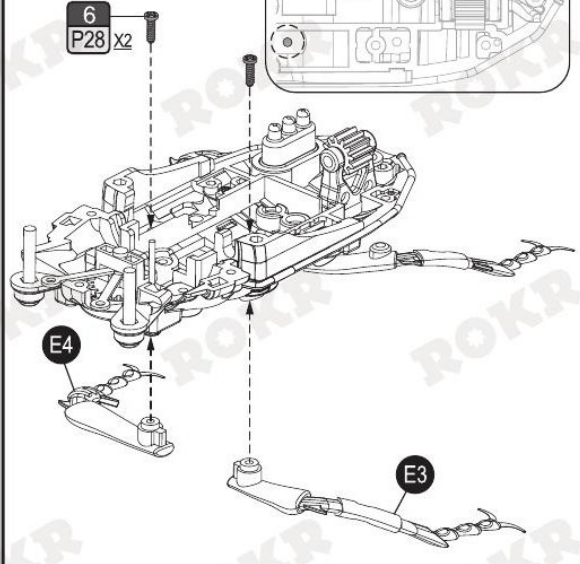


E5

E6

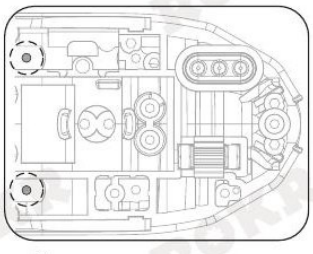
Legs are made from PVC. Please tighten the screw lightly.

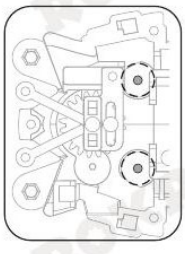
6 P28 X2



E4

E3



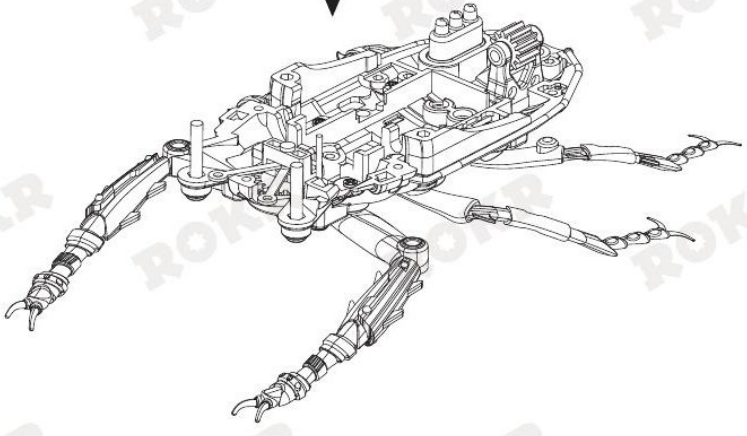


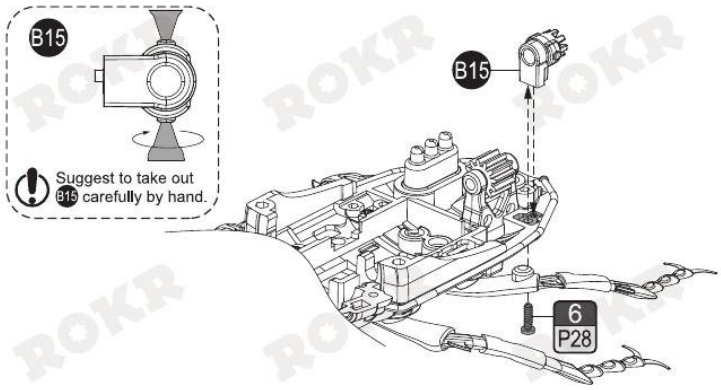
Legs are made from PVC. Please tighten the screw lightly.

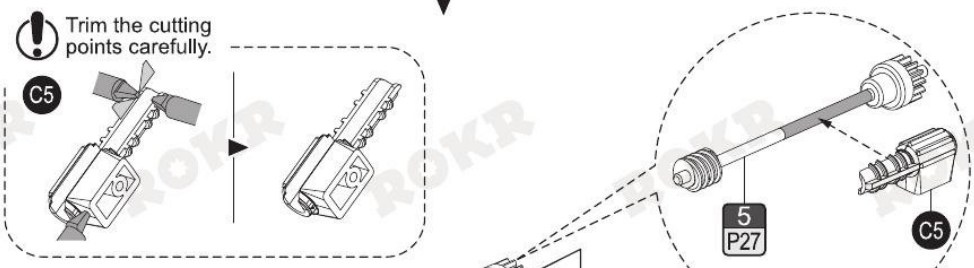
6 P28 X2

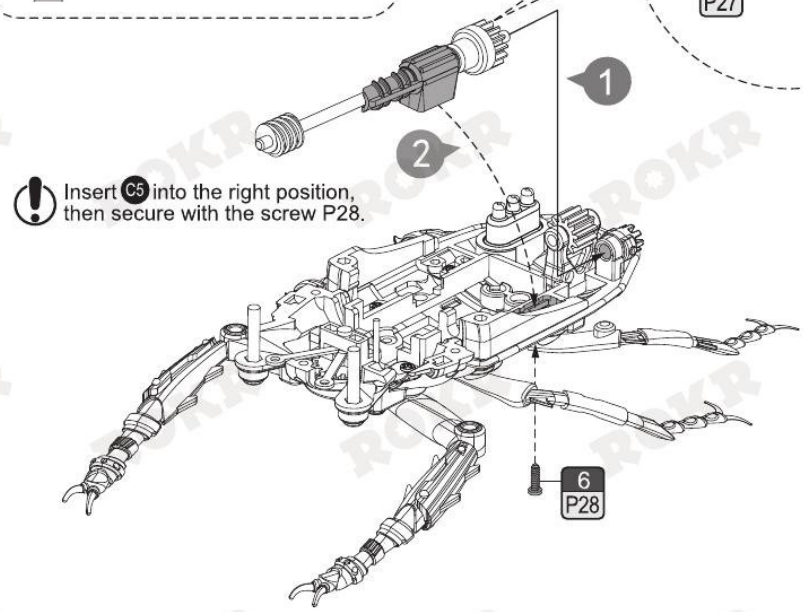
E1

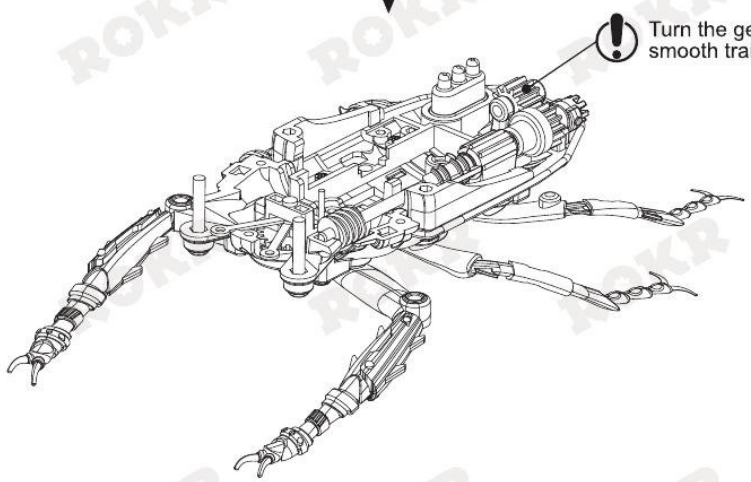
E2




B15
Suggest to take out B15 carefully by hand.
B15
6
P28

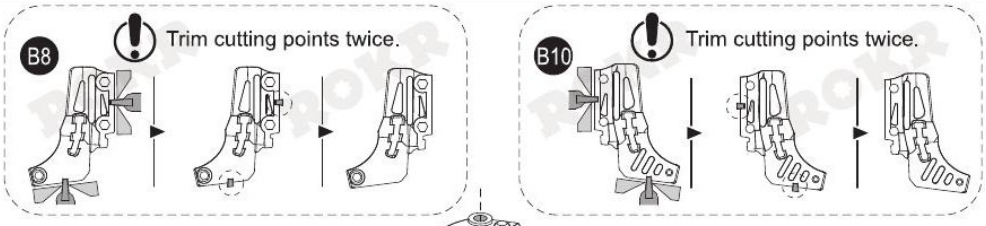

Trim the cutting points carefully.
C5
5
P27
C5

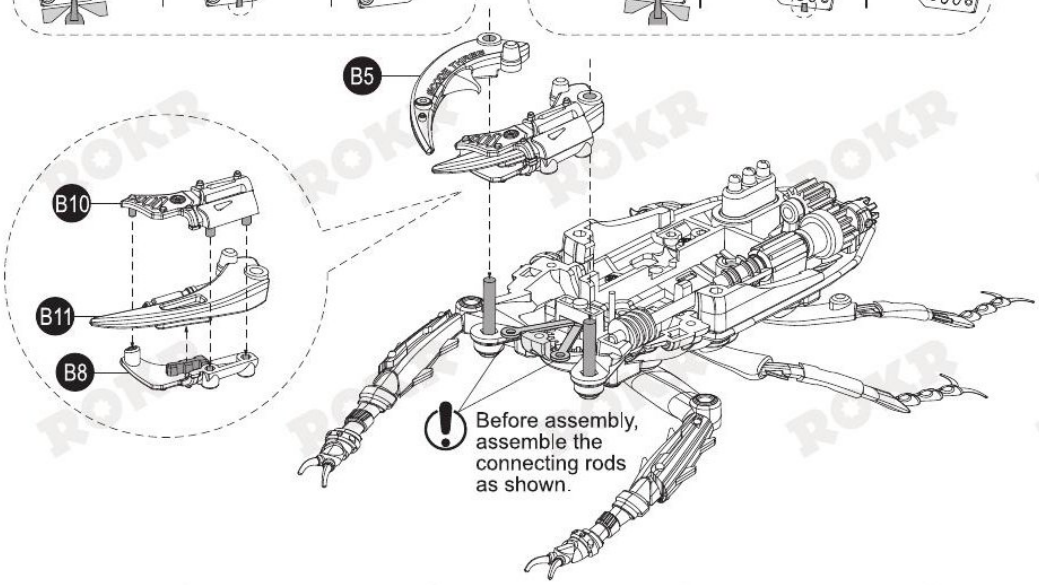

1
2
Insert C5 into the right position, then secure with the screw P28.
6
P28

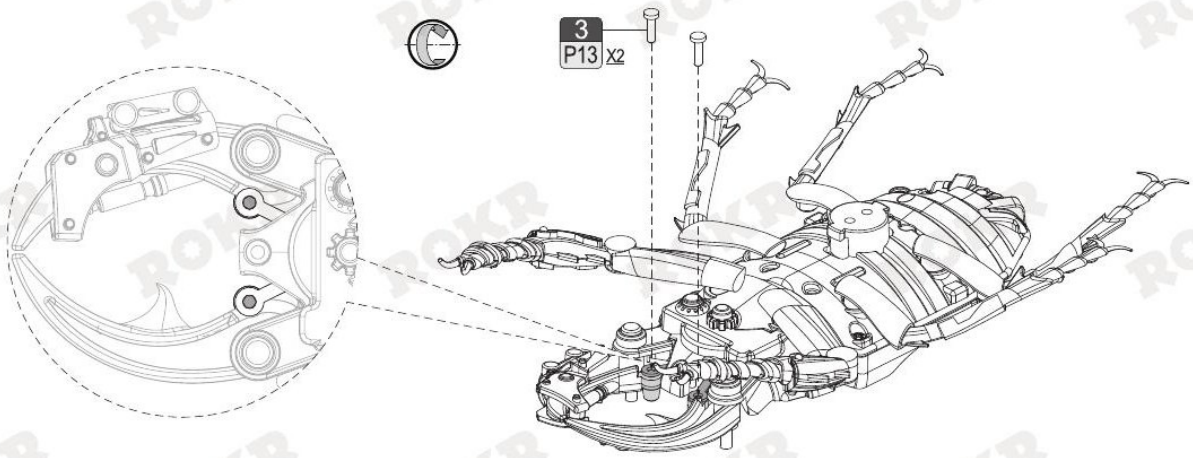

Turn the gear to ensure smooth transmission.

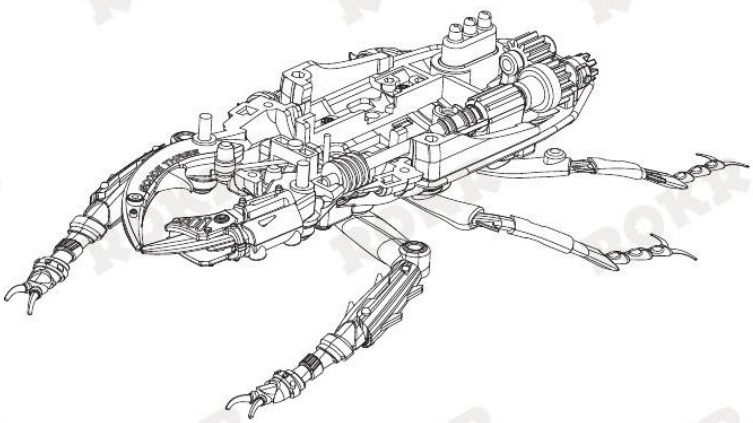
5

<7>

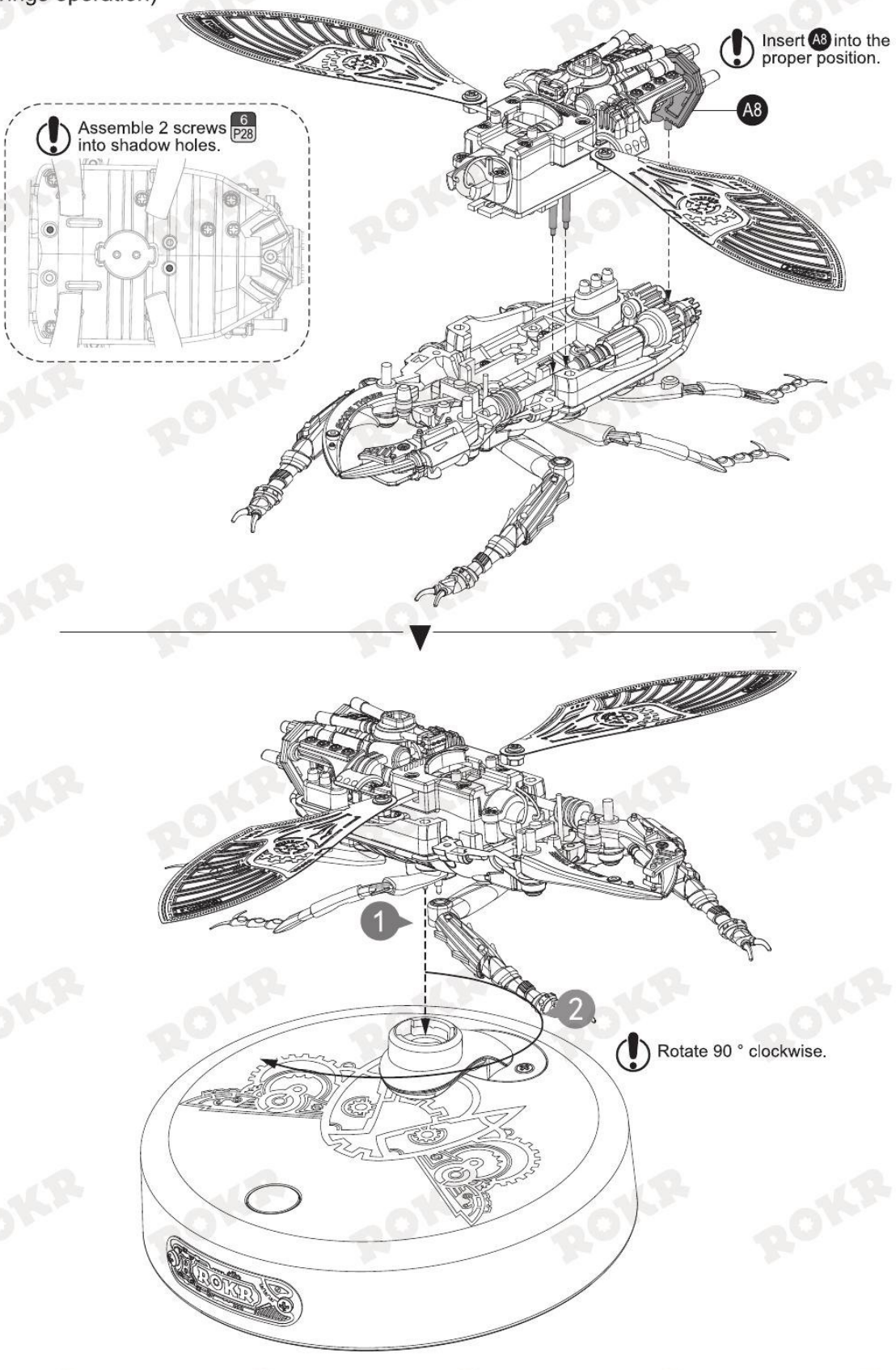

B8
Trim cutting points twice.
B10
Trim cutting points twice.


B5
B10
B11
B8
Before assembly, assemble the connecting rods as shown.

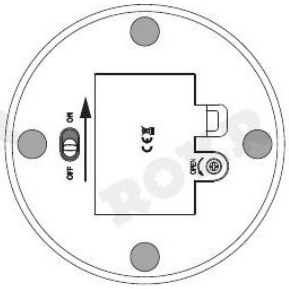

3
P13 X2

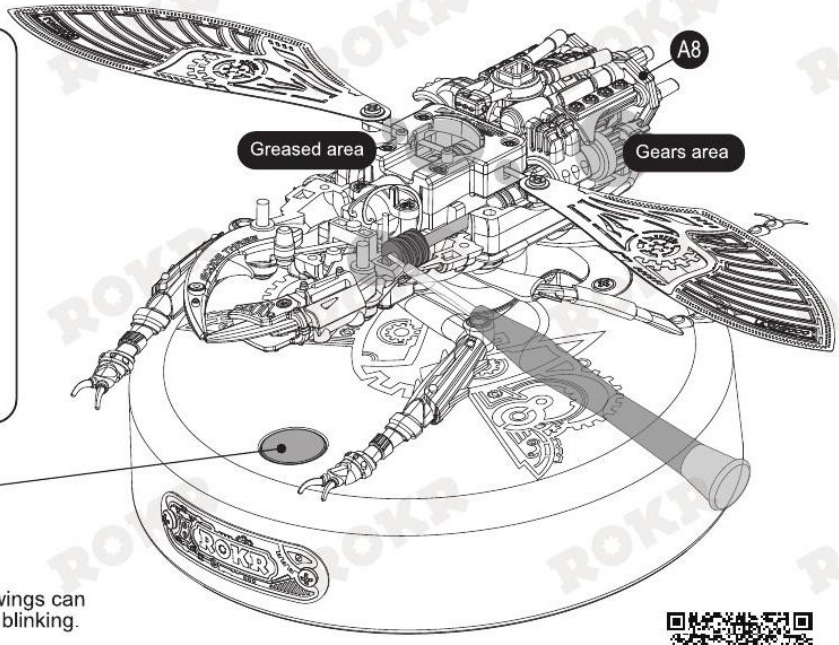


6 Test 1
(Wings operation)



New and old batteries cannot be mixed in use. Otherwise, it will fail to drive the motor.



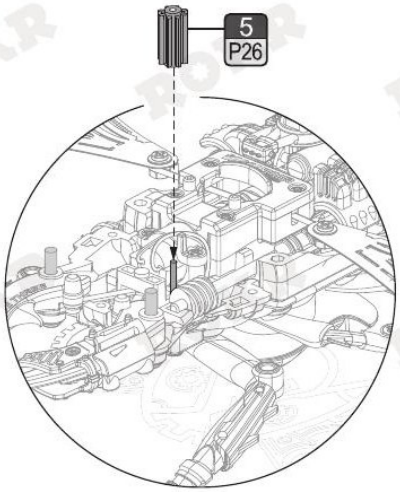


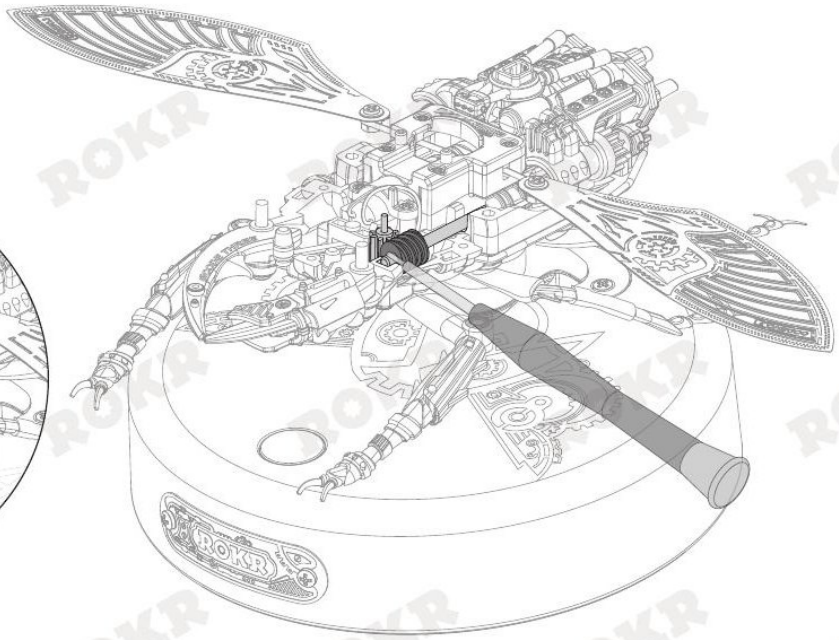
1. Turn on the bottom switch.
2. Touch the button and test if wings can vibrate and if the red light is blinking.
3. Solutions for fail vibration:

a. check if A8 is assembled to the right position.
b. check the positions of greased areas or gears area.
c. press the head of the screwdriver gently on the front of the steel shaft (limit its position) to assist the test.
d. If it still cannot operate smoothly, disassemble the parts to check whether C4 is assembled incorrectly. The correct direction can be referred to 3.

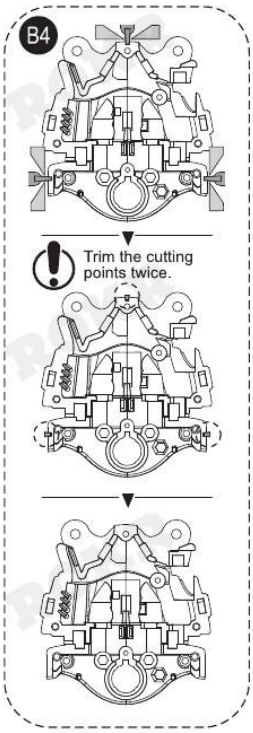
Scan for solutions of troubles.

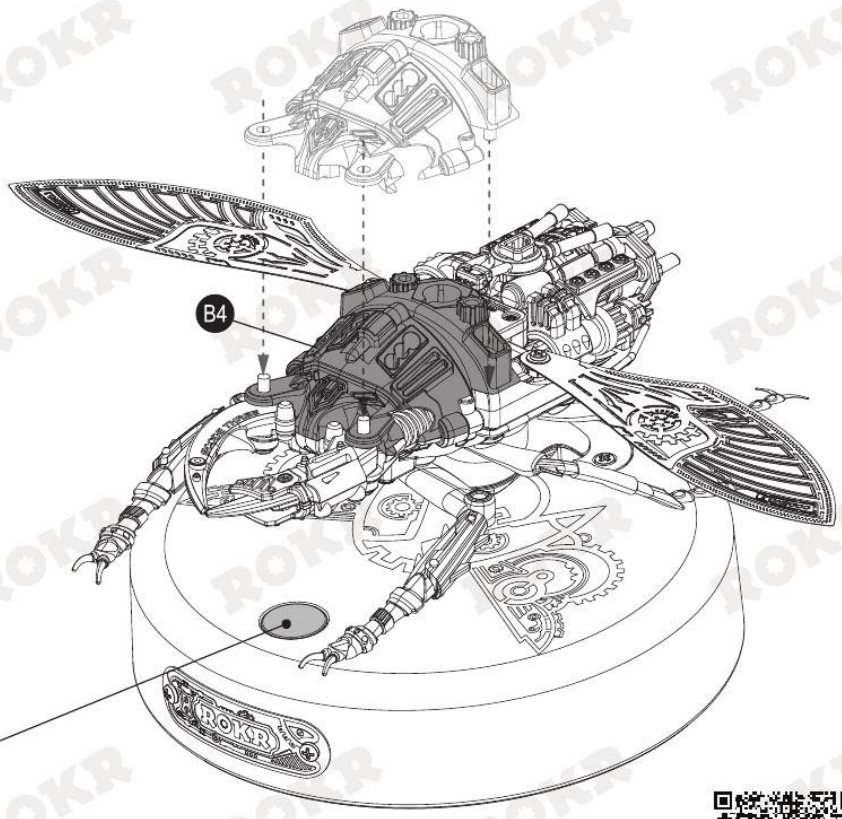
Test 2
(Claws operation)





1. Press the steel shaft lightly with the screwdriver (limit its position) to test if claws can open and close smoothly (If they get a little stuck, operate for 1 min to distribute the grease evenly).
2. If no problem, do not assemble B4 and remove the next step of disassembly. If the gear P26 always pops out to influence the test, please continue to assemble B4 to test(Refer to the next page).



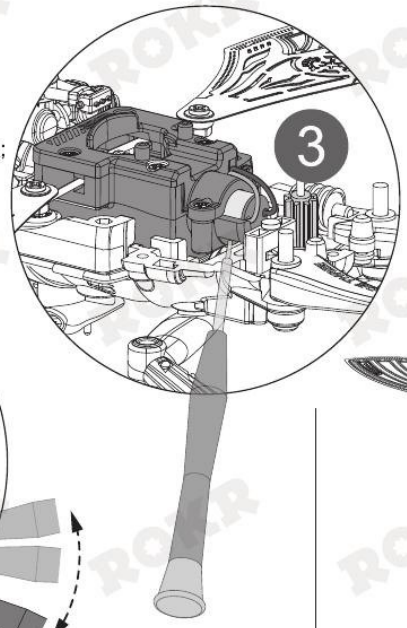


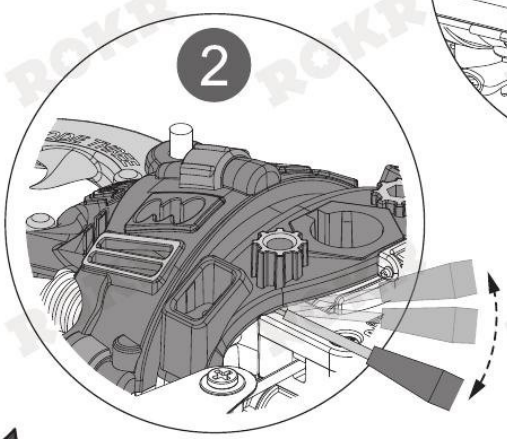
1. Touch the button to test if claws can open and close smoothly
   (If they get a little stuck, operate for 1 min to distribute the grease evenly).
   (Only if stucked in the previous step, B4 is needed to assemble to assist the test.)
2. If it still fails, please refer to the previous step 5 .
   Check if the connecting rod is assembled in the wrong way.

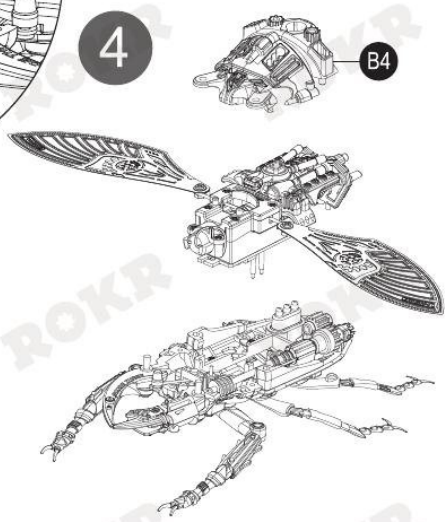
Scan for solutions of troubles.

Disassembly

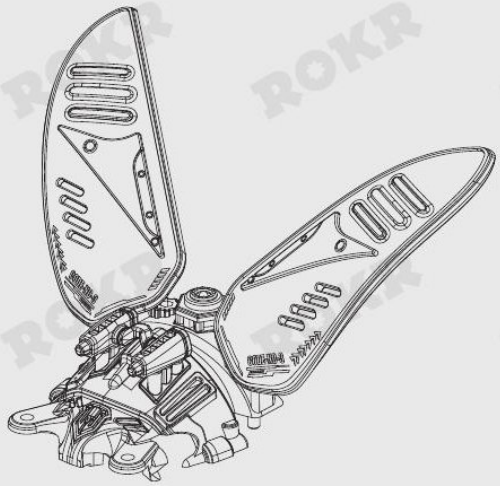
1. Rotate counterclockwise to separate the part from the base;
2. Remove B4 from the position shown in the figure(Skip this step if didn't assemble.)
3. Separate the wing from the leg assembly;
4. Refer to the figure on the right after disassembly

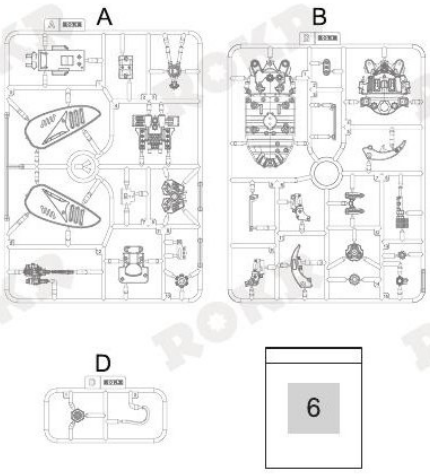






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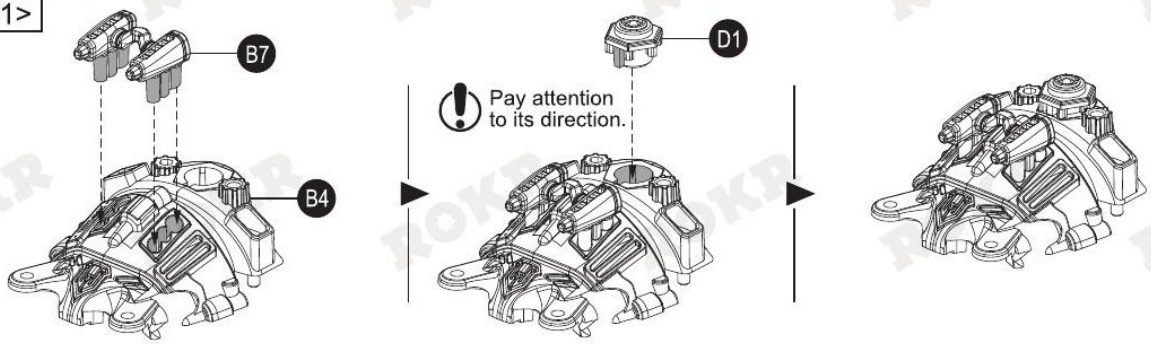




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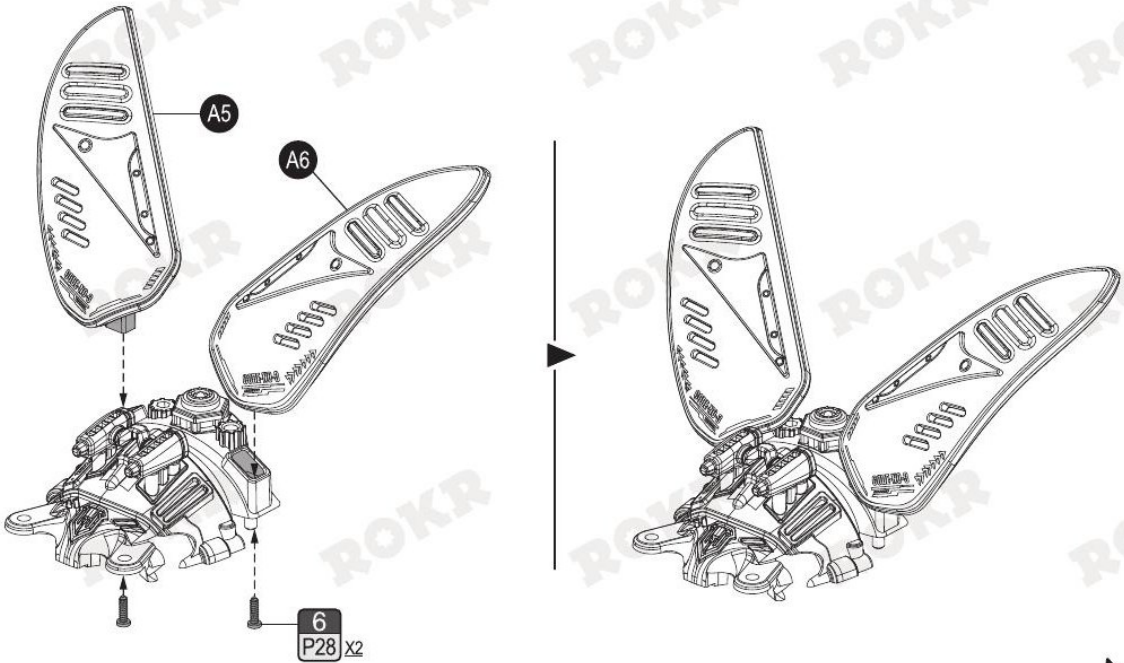
<1>

B4 is a borrowed part for testing.
Trim it twice.

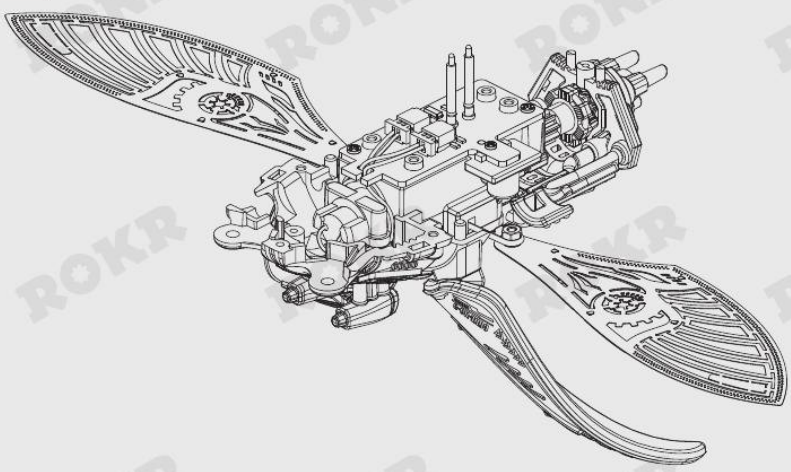


7

<2>



8



2

4

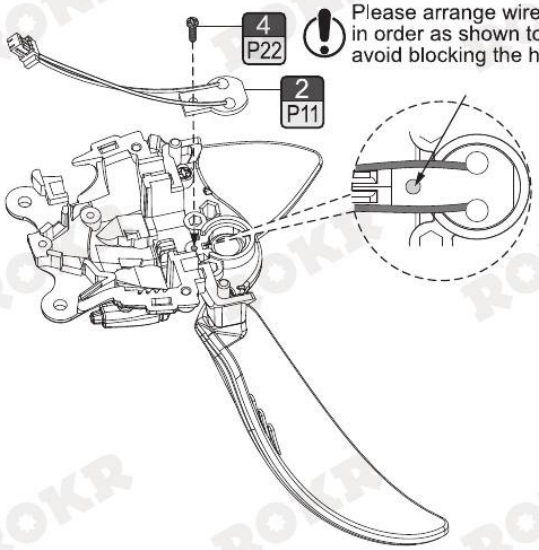
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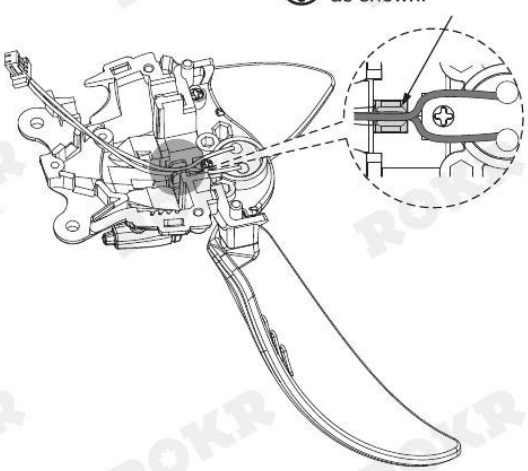
4
P22

2
P11

Please arrange wires in order as shown to avoid blocking the hole.

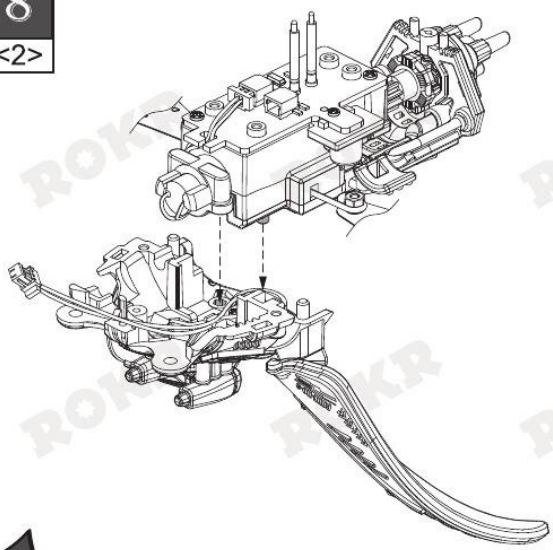


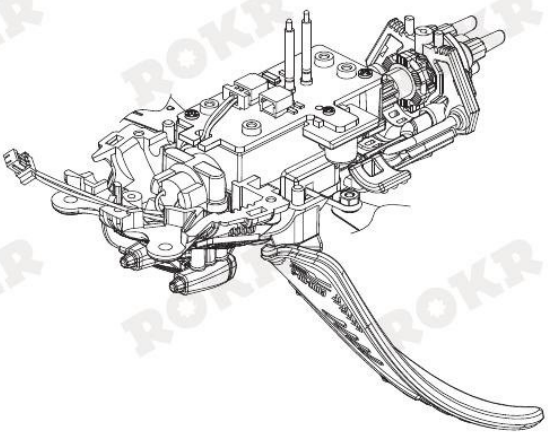
Insert the wire as shown.



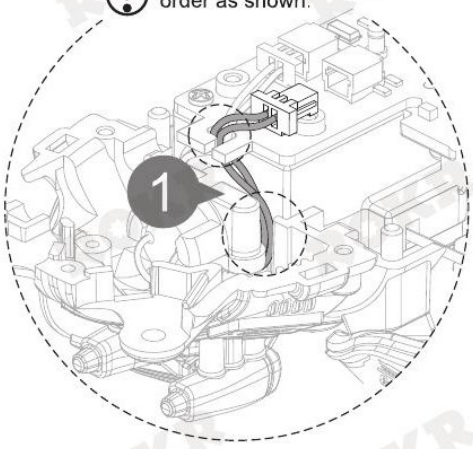
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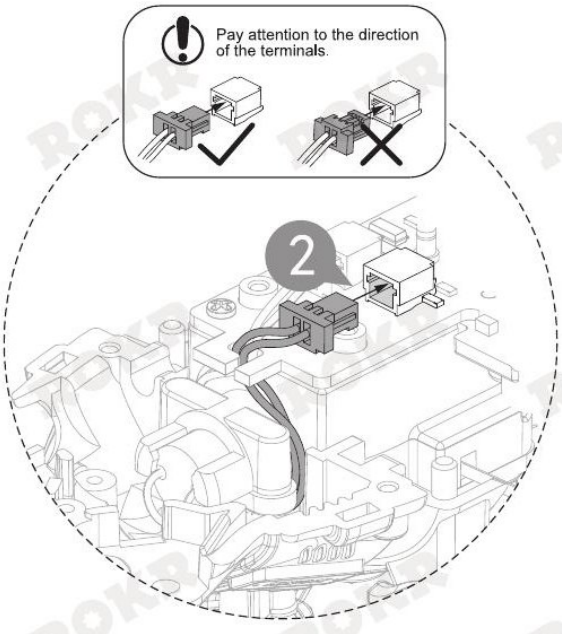




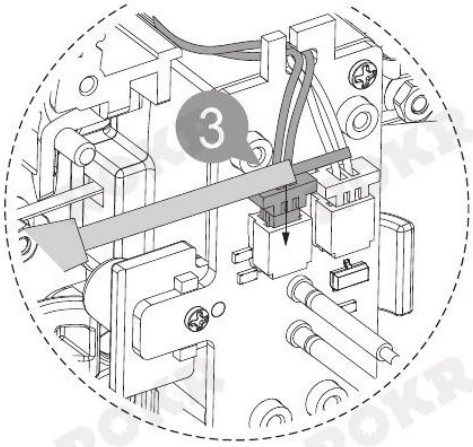
Arrange the wires in order as shown.



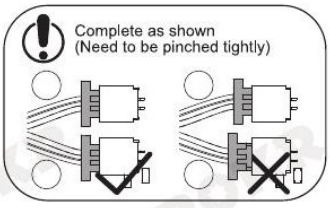
Pay attention to the direction of the terminals.

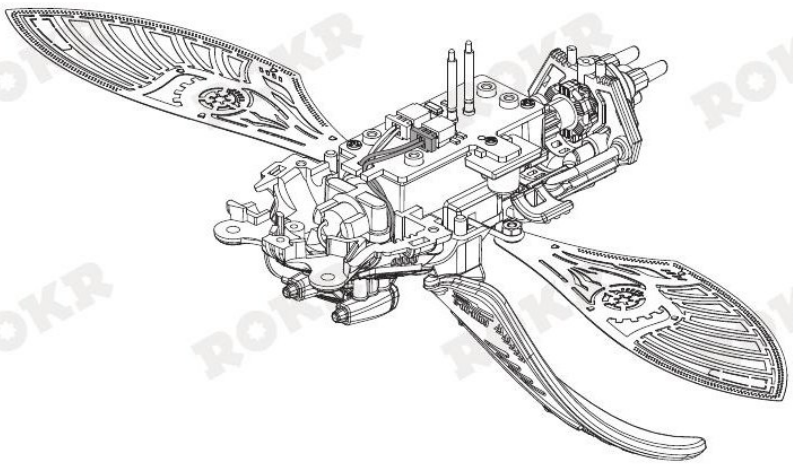


Suggest to use the screwdriver to assemble terminals.



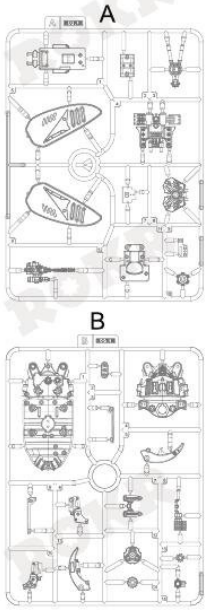
Complete as shown
(Need to be pinched tightly)





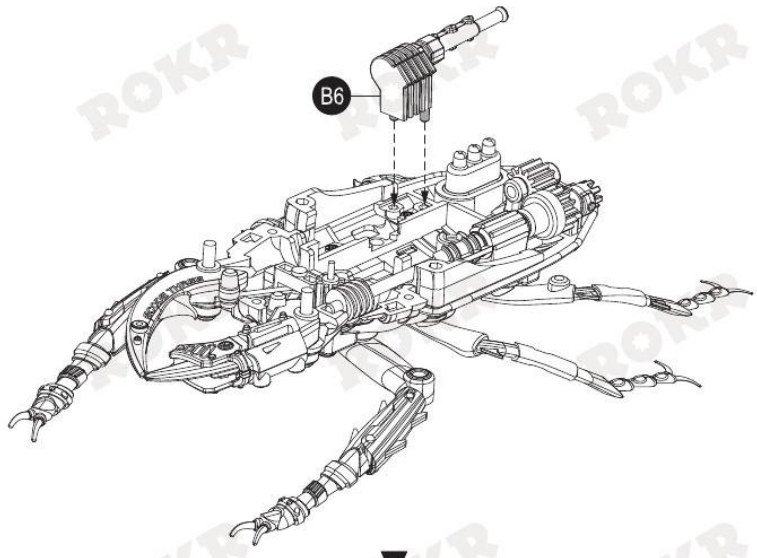
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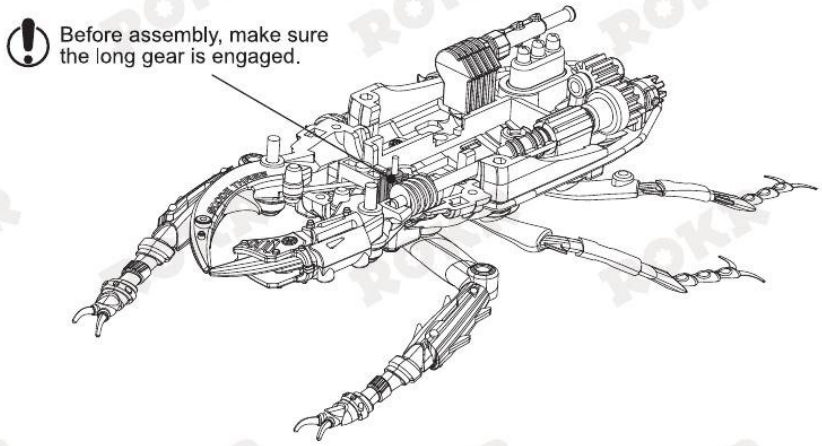




9

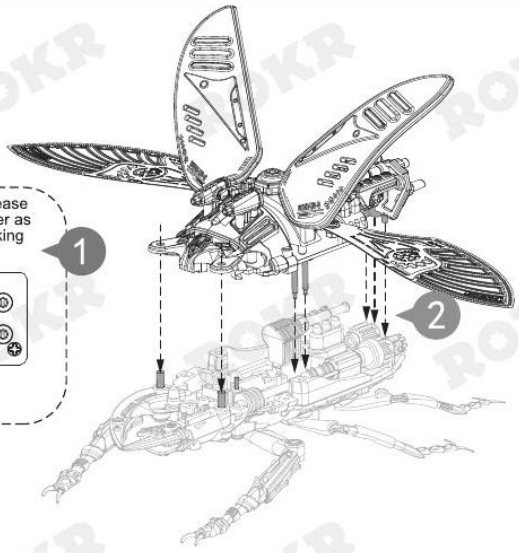
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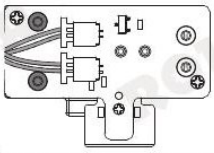


9

<2>



Before assembly, please arrange wires in order as shown to avoid blocking the hole.



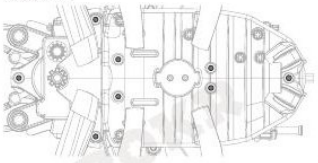
1

2

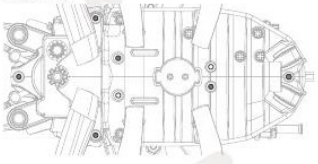
3

Assemble 8 screws 6 P28 into the shadow holes.
(Holes have spare and you can assemble screws into these shadow holes.)

Method 1



Method 2

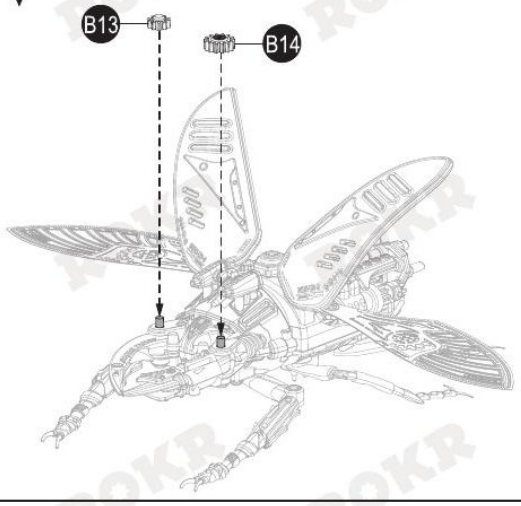


B13

Trim the cutting points as shown.

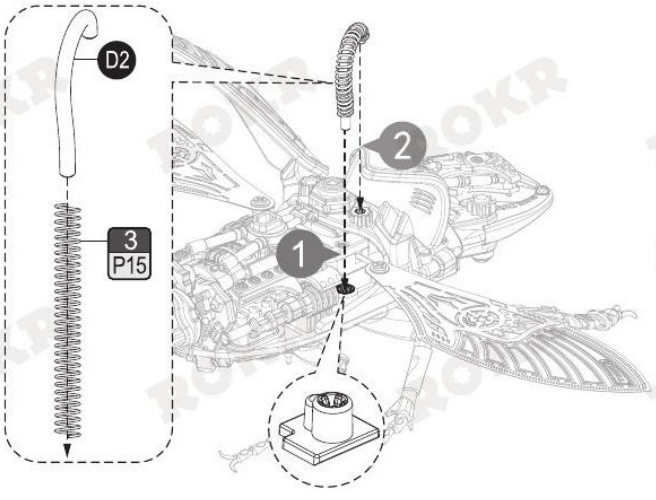
B14

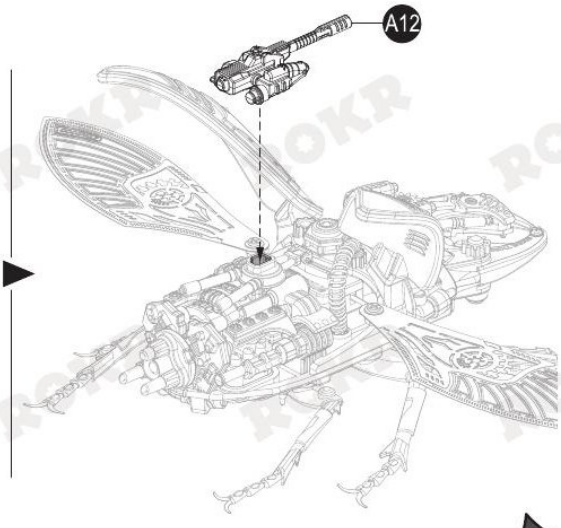
Trim the cutting points as shown.



9

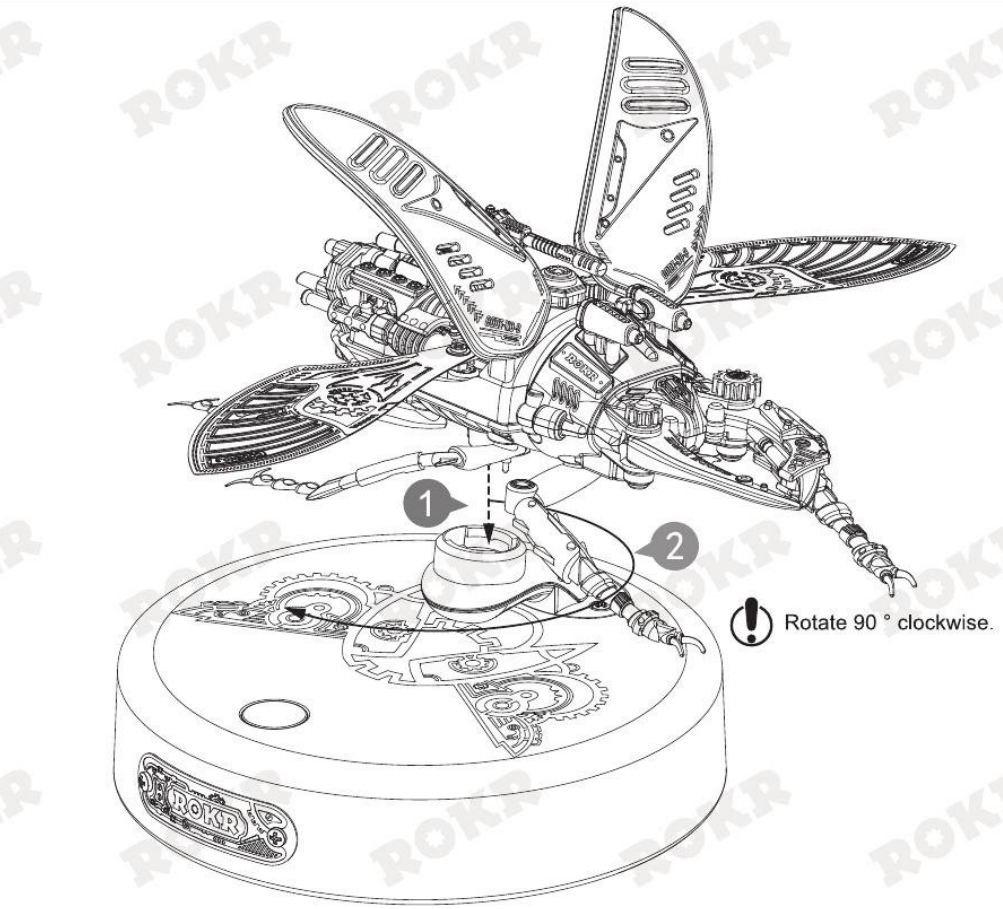
<3>





9

<4>







If wings cannot vibrate, please scan the code to check its causes and solutions.

Note:

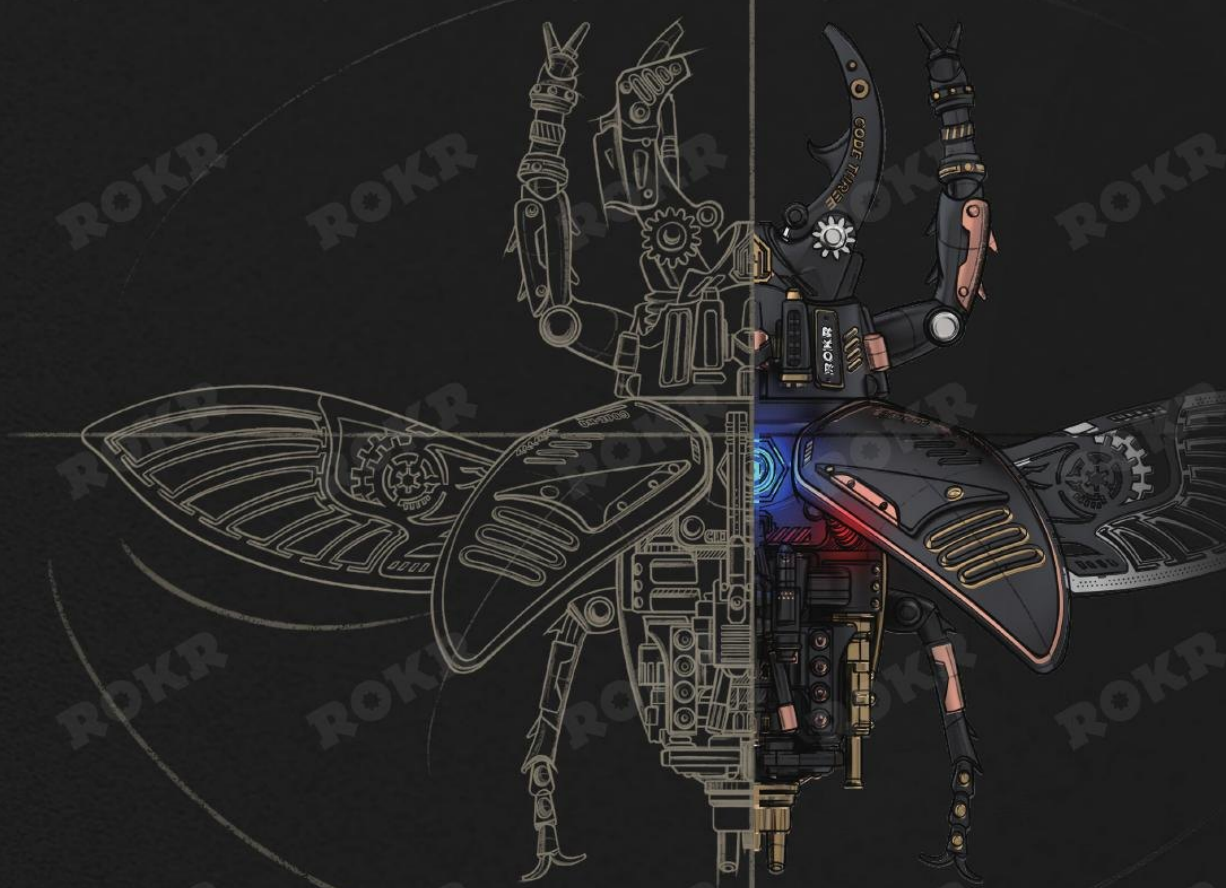
1. After starting, it can run continuously for 3 minutes (It will automatically stop after 3 minutes, so do not worry about forgetting to turn it off).
2. Low battery may cause the wings to vibrate slowly or stop vibrating, in this case, please replace the battery.
3. Do not touch the wings and exposed gears during operation to prevent hurt.
4. Please keep the toolkit of the product properly for later maintenance.

STAG BEETLE

ROKR

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