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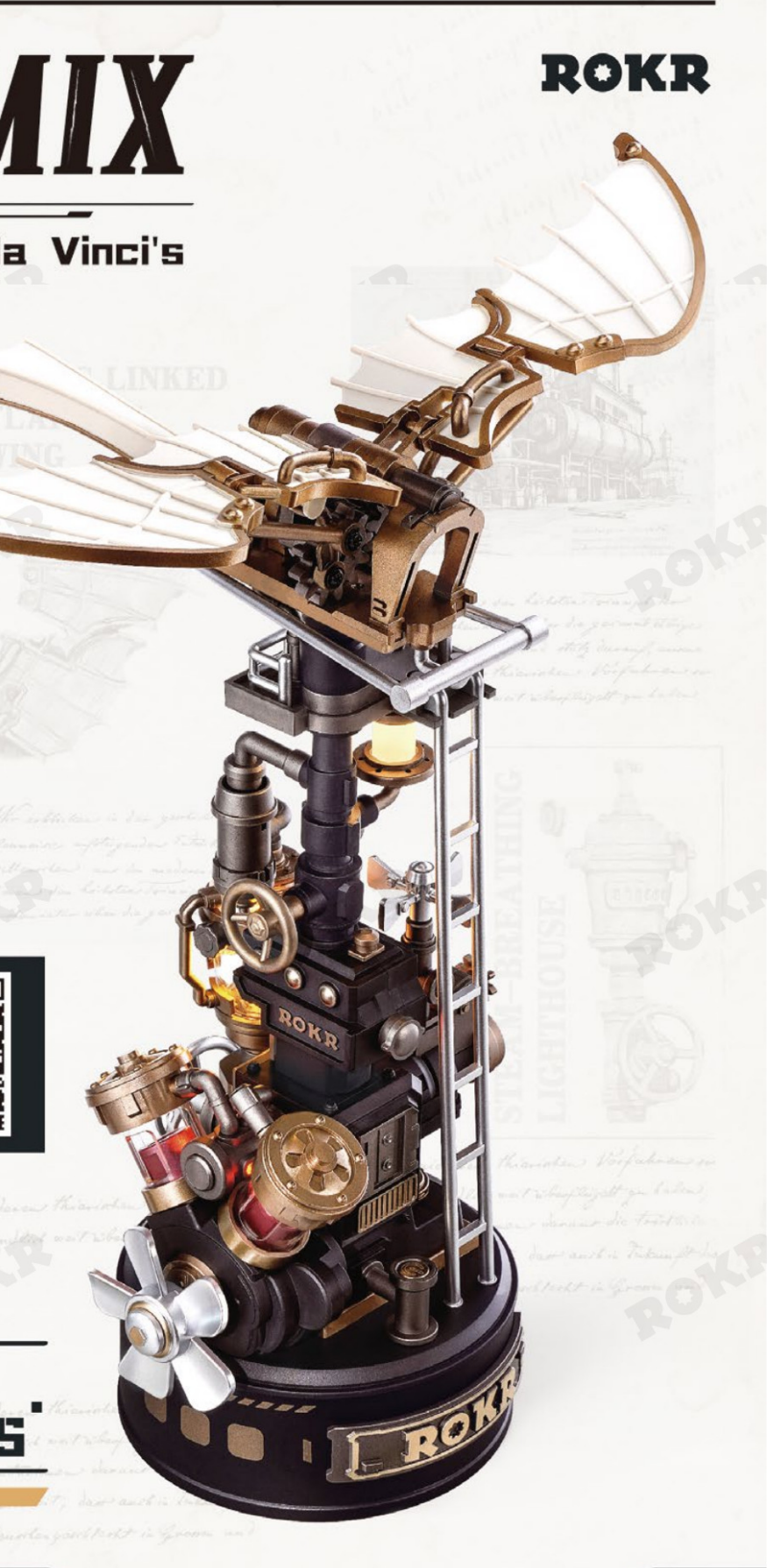
CGL02 Leonardo Da Vinci's Ornithopter



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ASSEMBLY INSTRUCTIONS

LEONARDO DA VINCI'S ORNITHOPTER

WARNING:

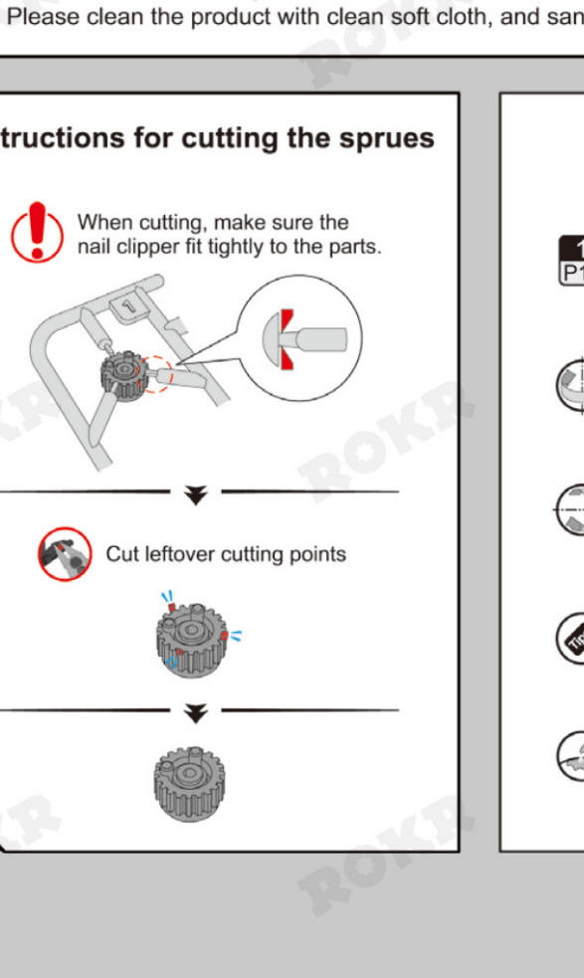
01. This product is powered by USB connection and does not contain Type-C power cord, which must be provided by yourself (Input: 5V ⎓ 1A).
02. Not suitable for children under 3 years old.
03. The product shall only be used with a transformer for product or a power supply for it.
04. The product shall be used with the power supply supplied, if the transformer is supplied with the product.
05. The transformer or power supply is not a toy or model.
06. Misuse of transformer can cause electrical shock.
07. The power supply used with the electric toy shall be regularly examined for damage to the supply cord, plug, enclosure or other parts, and in the event of damage, it shall not be used until the damage has been repaired.
08. Do not connect the wire to output socket.
09. The product is not to be connected to more than the recommended number of power supplies.
10. If the product contains motor, motor may be a hot component. Do not touch it to avoid burns while operating.
11. This product is only to be connected to equipment bearing either of the following symbols: ⧈ or ◈.
12. This product does not need liquid cleaning, and please clean the product with clean soft cloth.
13. This product contains functional edges and points that are sharp and hazardous. To prevent puncture injuries, adult supervision is required.
14. The instruction must be retained since it contains important information.

NOTICE:

01. Children should be accompanied by adults while assembling.
02. Please keep the product away from flammable substances and humid environments to prevent damage.
03. The product contains small parts and electronic components. Adults should guide and supervise children in the correct use of the product to prevent ingestion or choking.
04. Please read the instructions carefully before assembly to confirm that the parts are not damaged or missing.
05. Take off the pieces from the board according to each step before assembling and place them properly in case of missing.
06. Please install the electronic components correctly and test whether the circuit is normal after completion.
07. Please don't clean this product with chemical cleaners: alcohol, ammonia water, glass cleaner, etc.
08. Please clean the product with clean soft cloth, and sand the board burr lightly with sandpaper.

Instructions for cutting the sprues

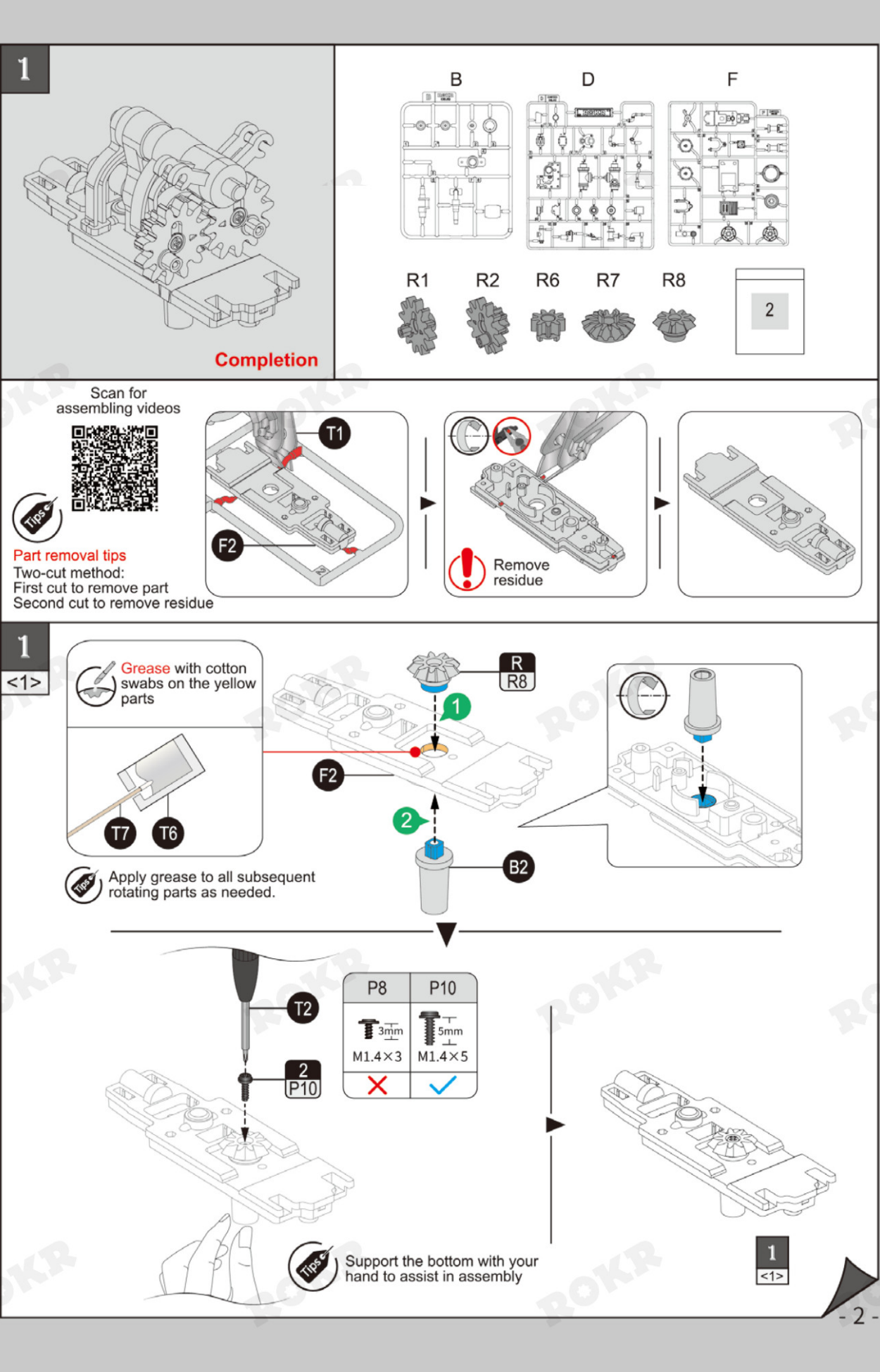
When cutting, make sure the nail clipper fit tightly to the parts.



Cut leftover cutting points

Icon Illustration

- 1 P18 Part P18 in Bag No. 1
- Special attention in assembly
- Perspective changed
- Cut leftover cutting points
- Flip to assemble
- Step 1
- Assembly tips
- Step 2
- Grease with cotton swabs
- Ensure that the gears connect smoothly



Completion

Scan for assembling videos

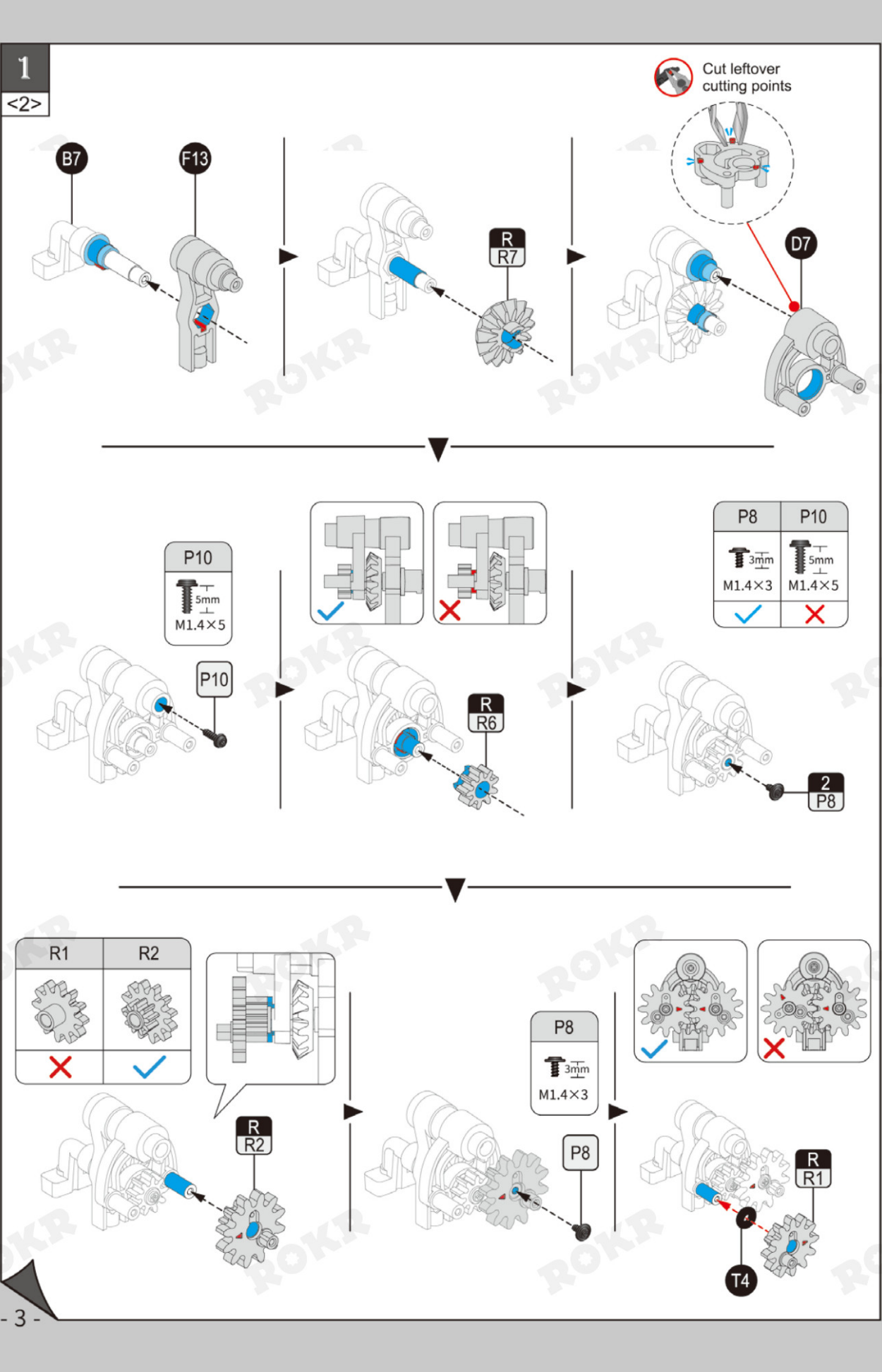
Part removal tips
Two-cut method:
First cut to remove part
Second cut to remove residue

Remove residue

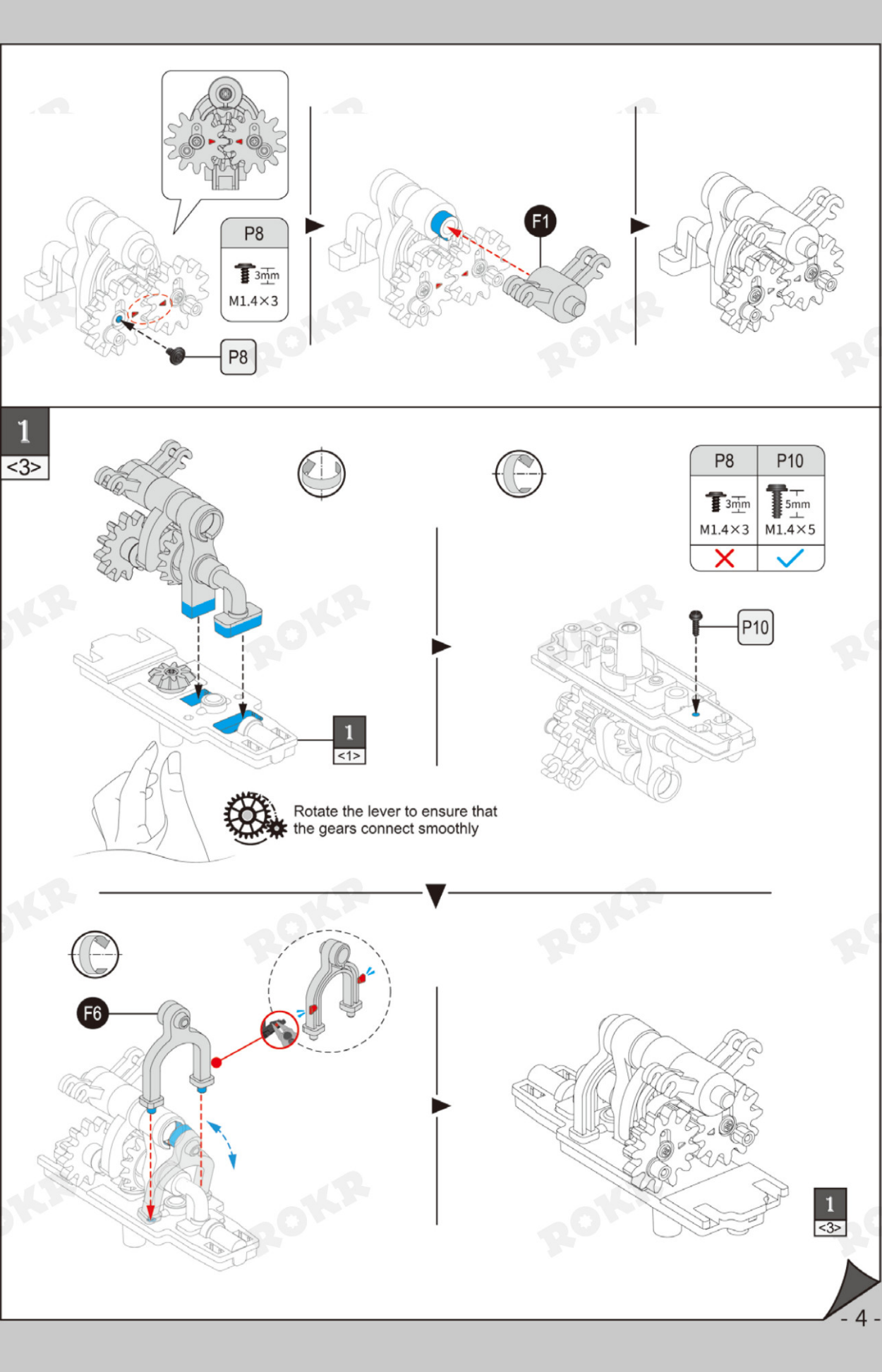
Grease with cotton swabs on the yellow parts

Apply grease to all subsequent rotating parts as needed.

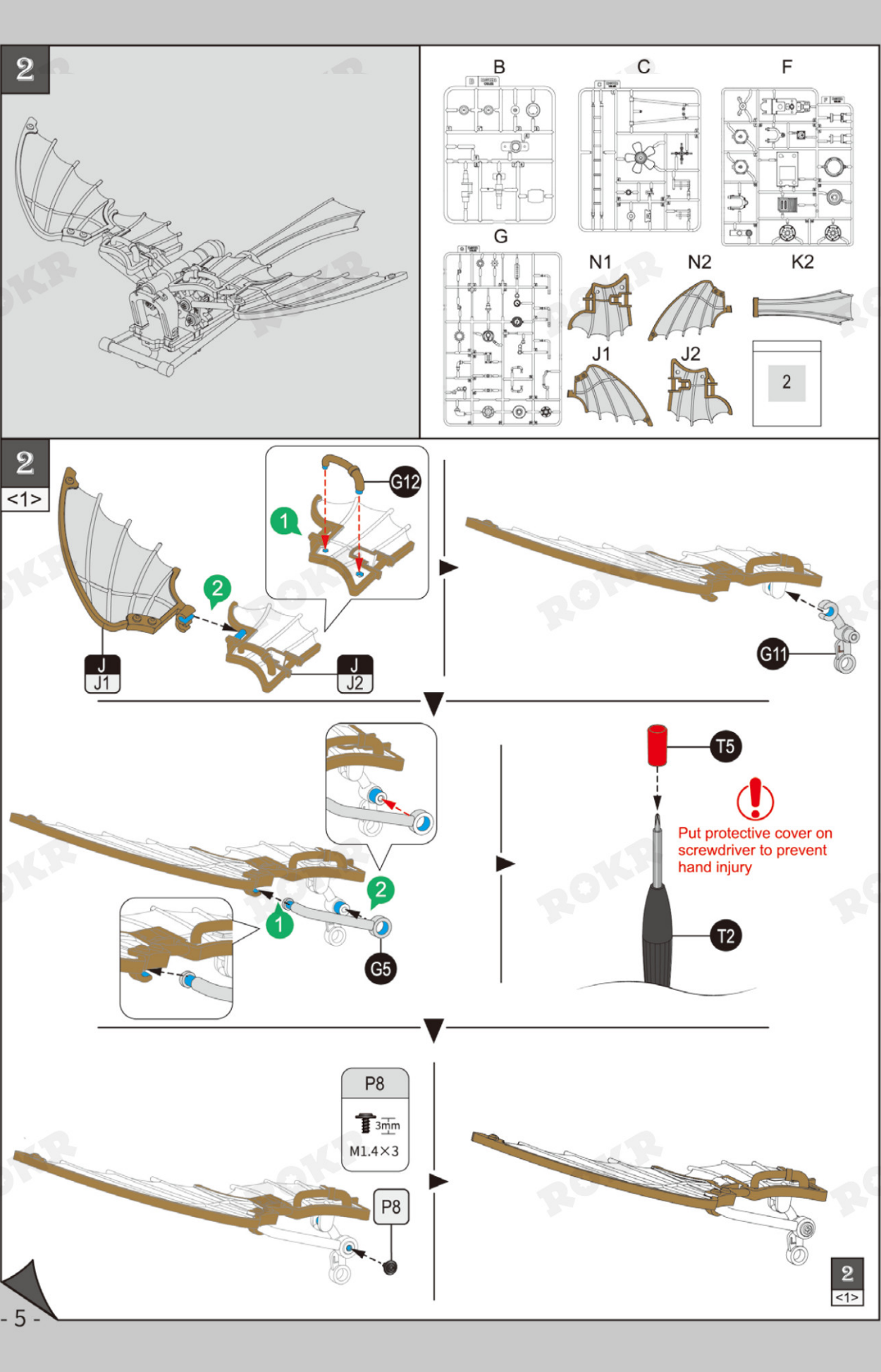
Support the bottom with your hand to assist in assembly



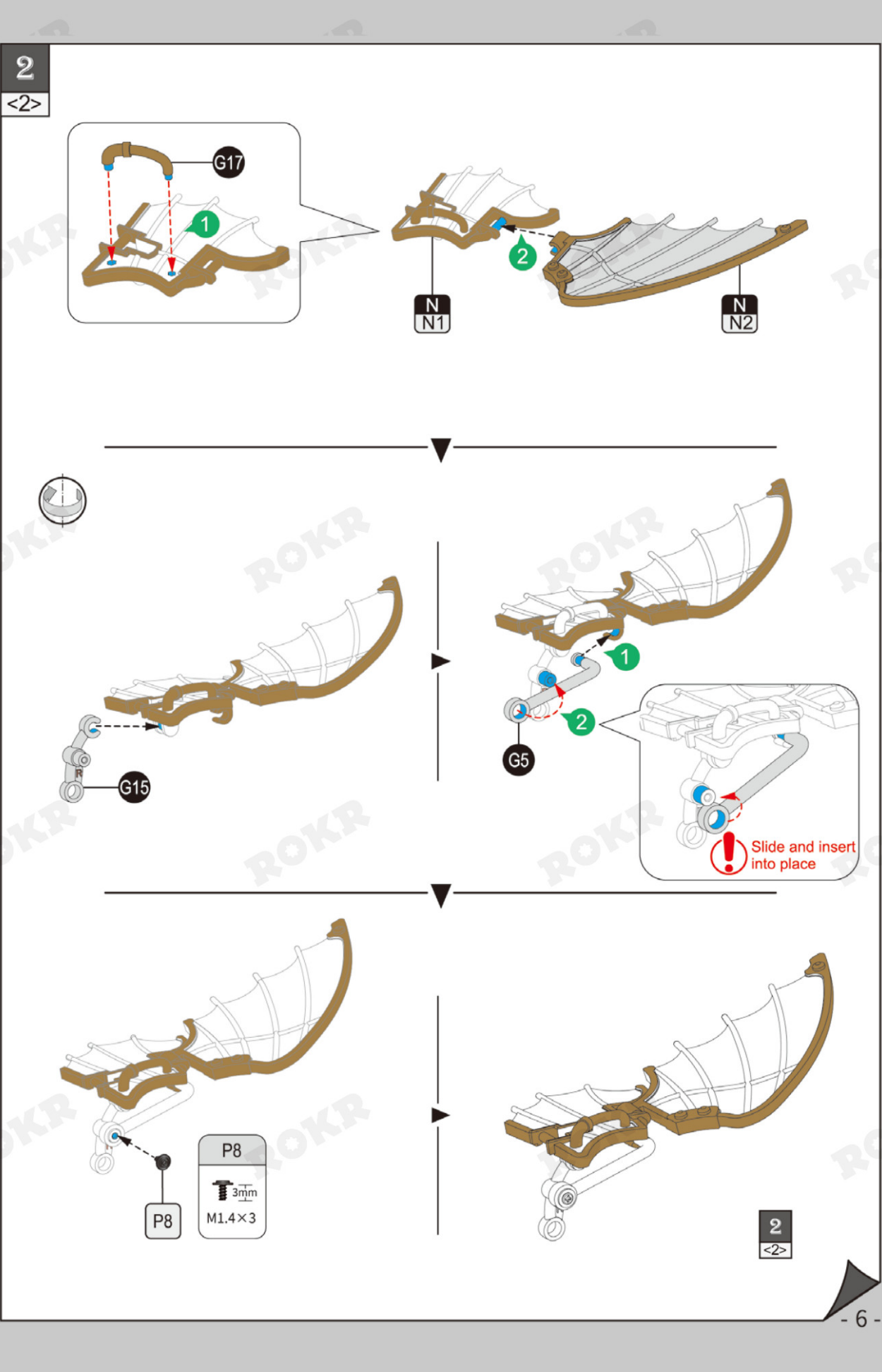
Cut leftover cutting points



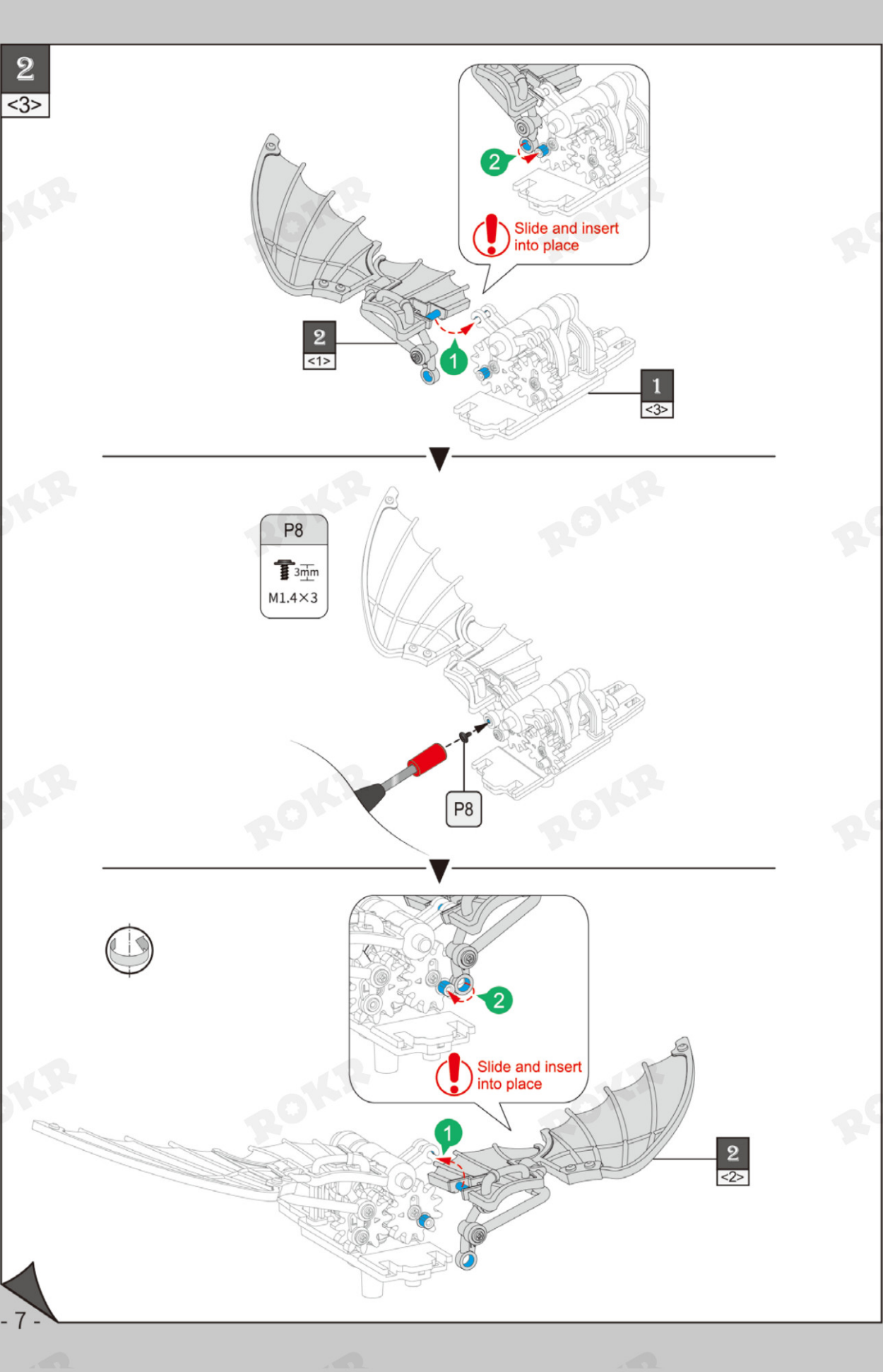
Rotate the lever to ensure that the gears connect smoothly



Put protective cover on screwdriver to prevent hand injury

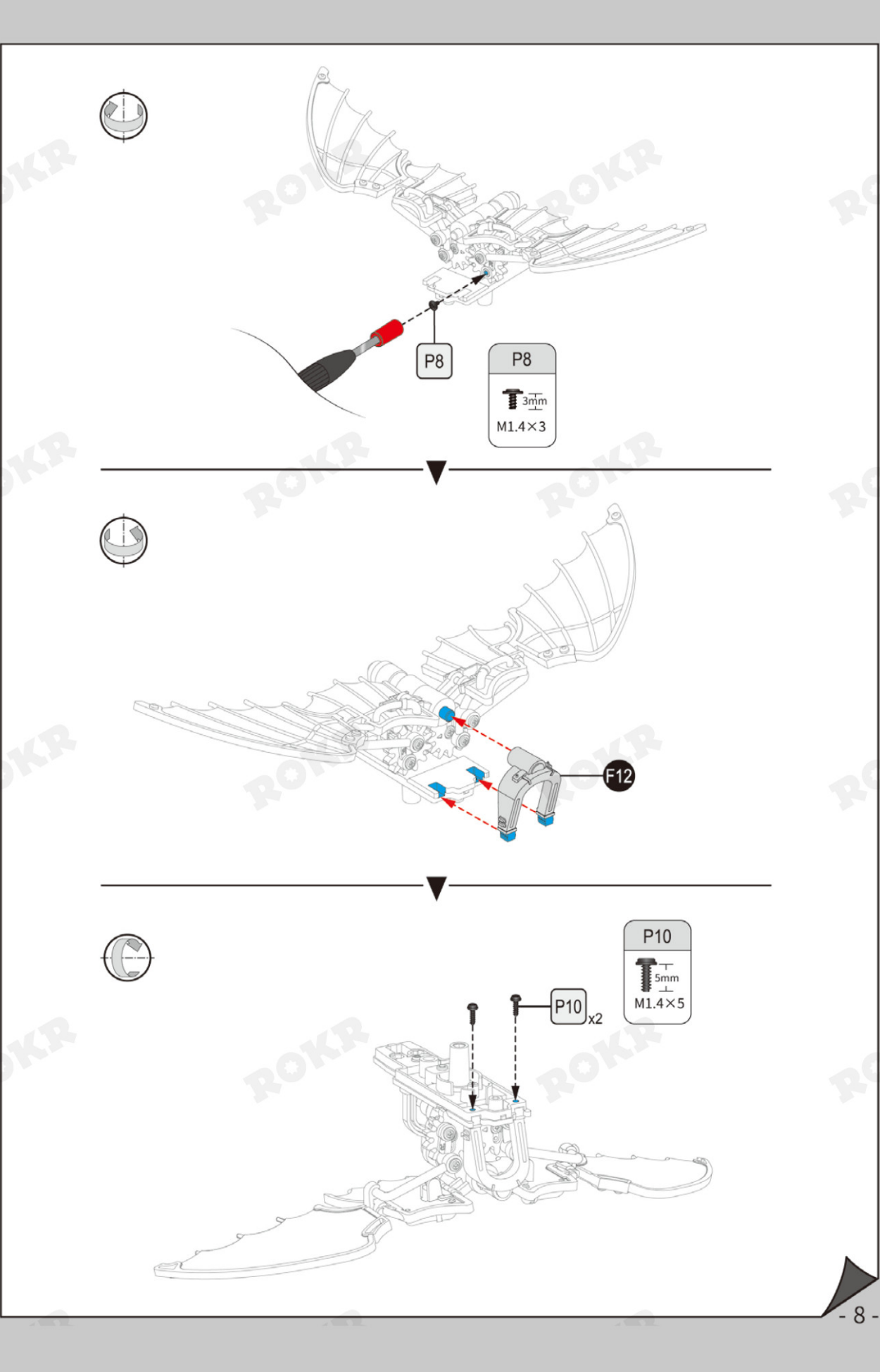


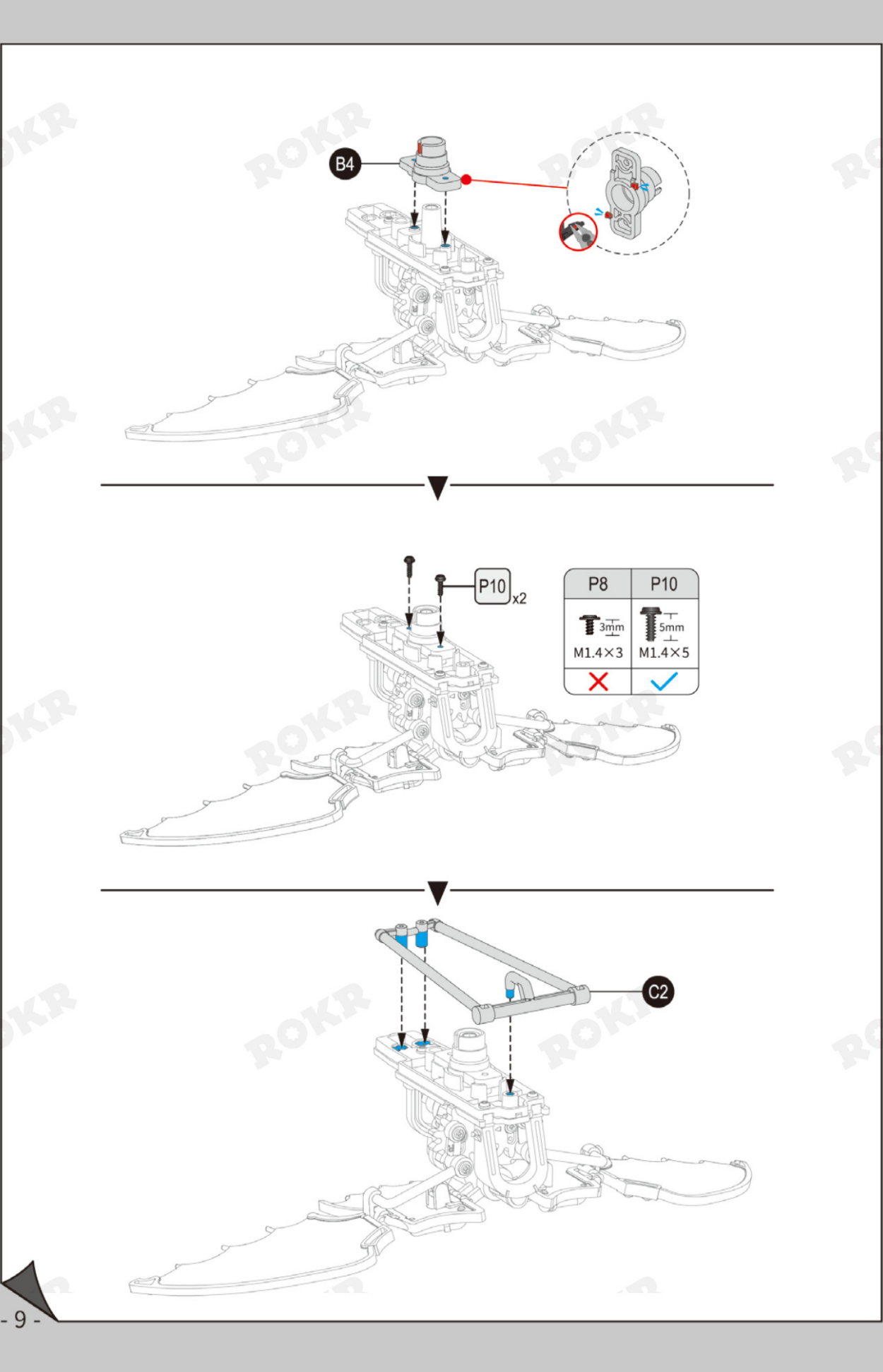
Slide and insert into place

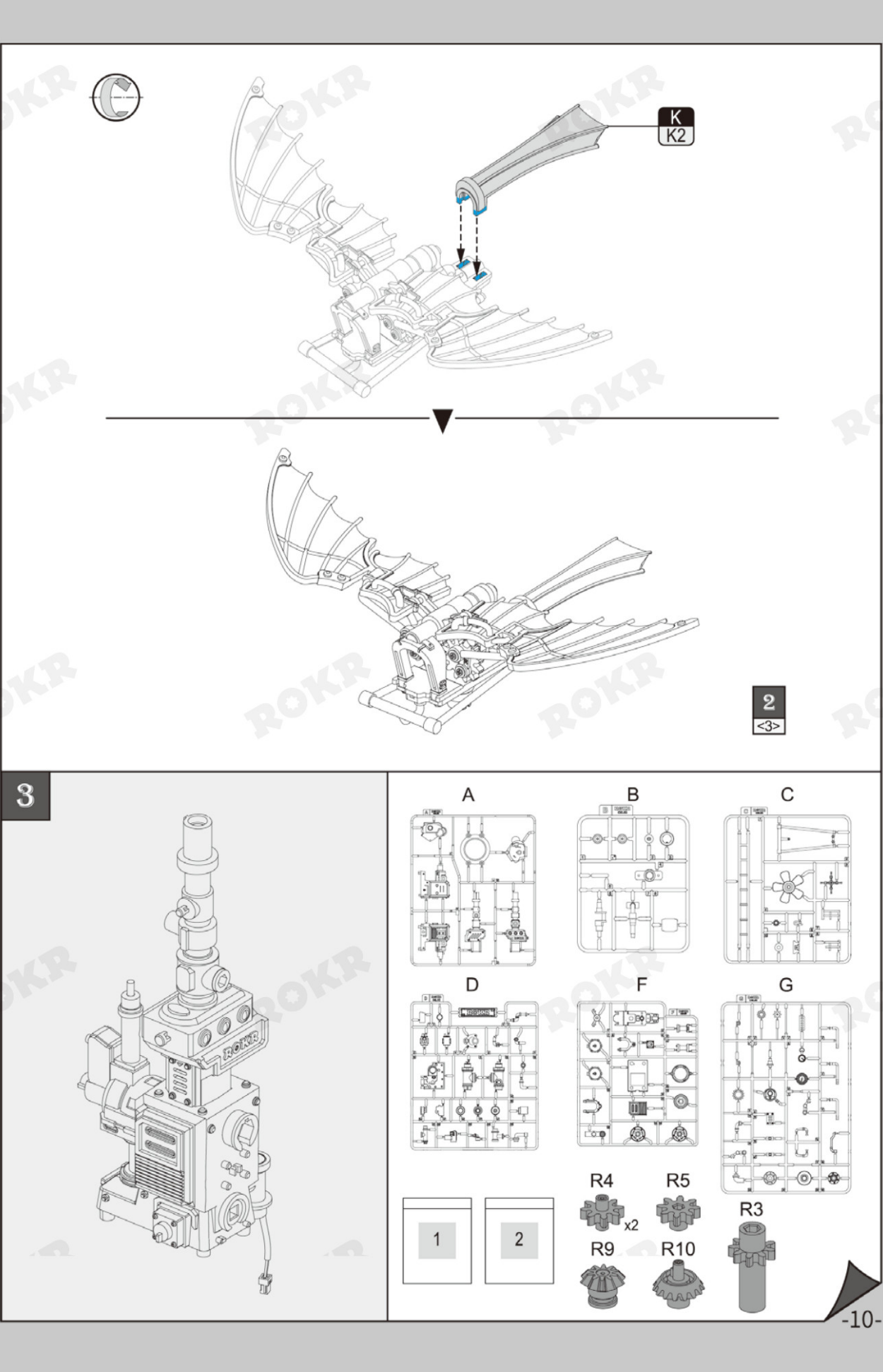


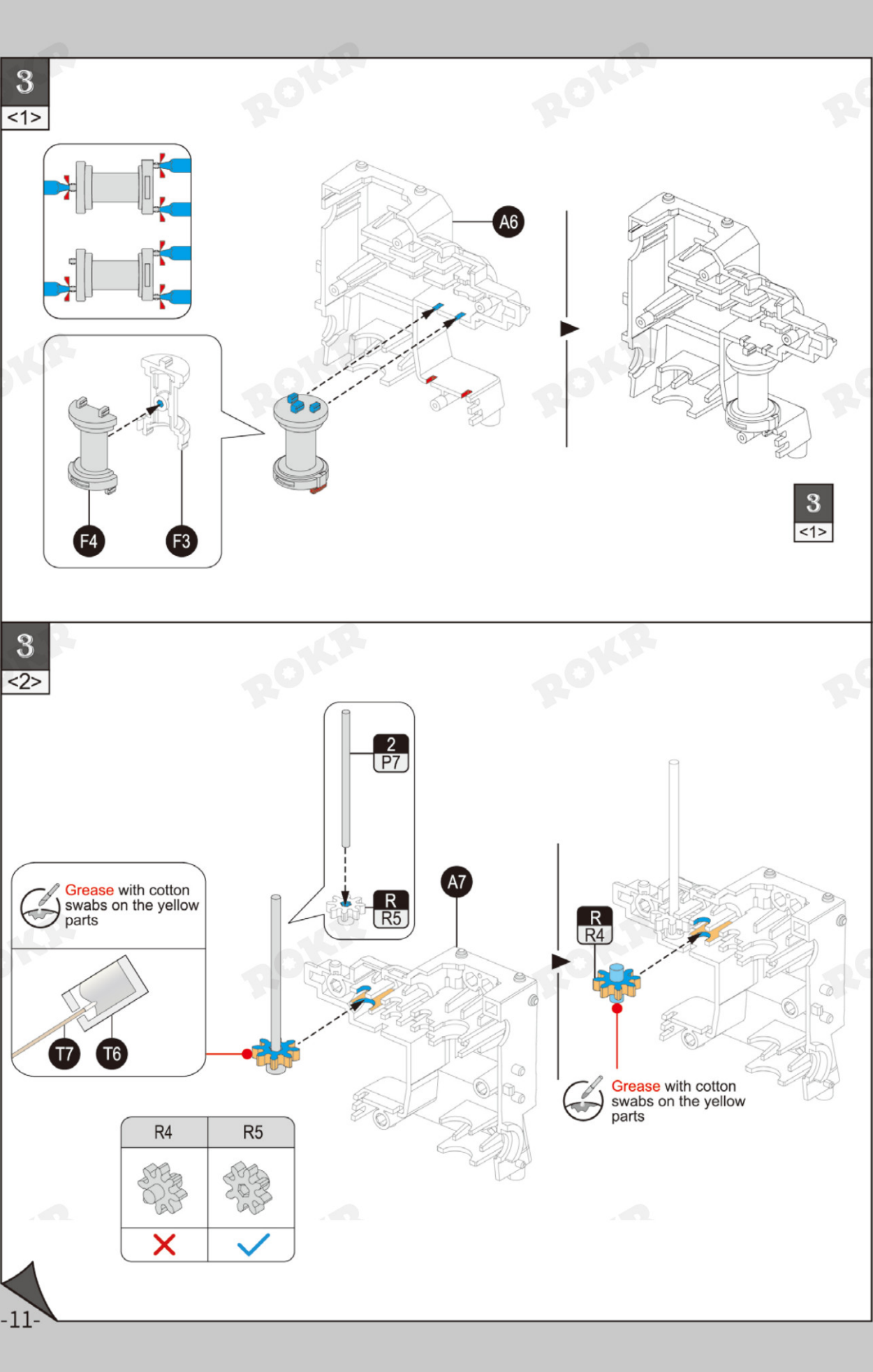
Slide and insert into place

Slide and insert into place



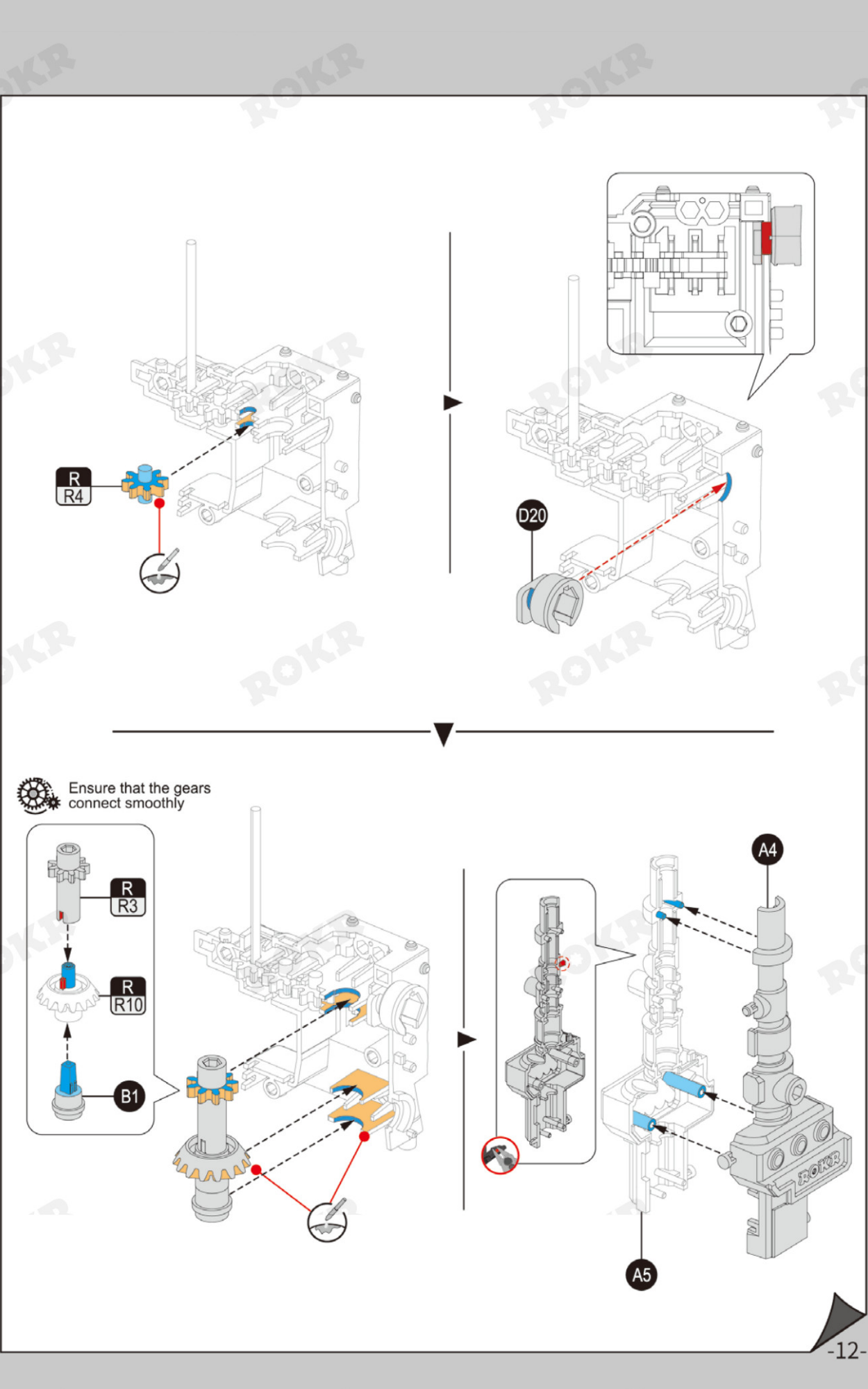




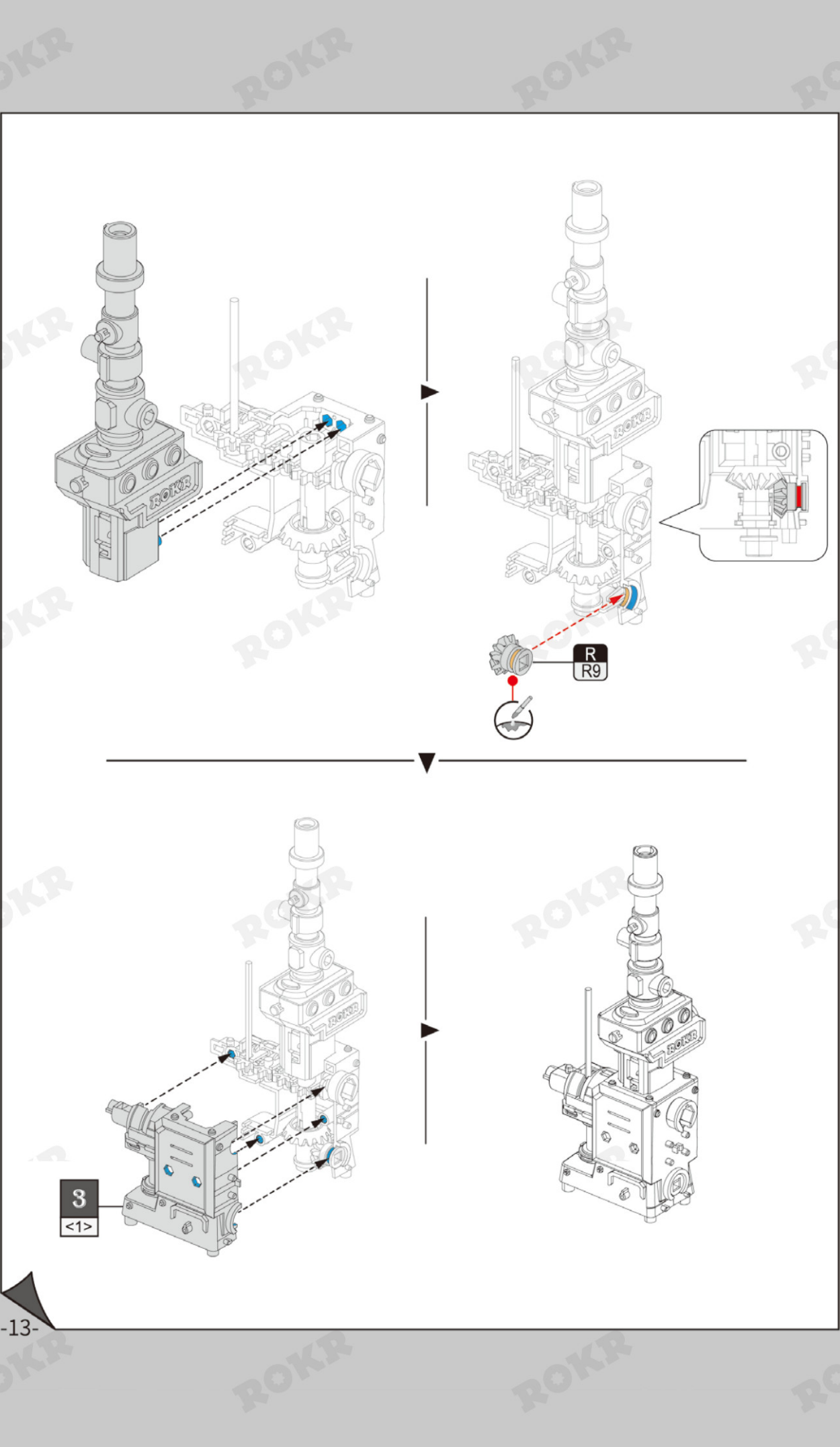


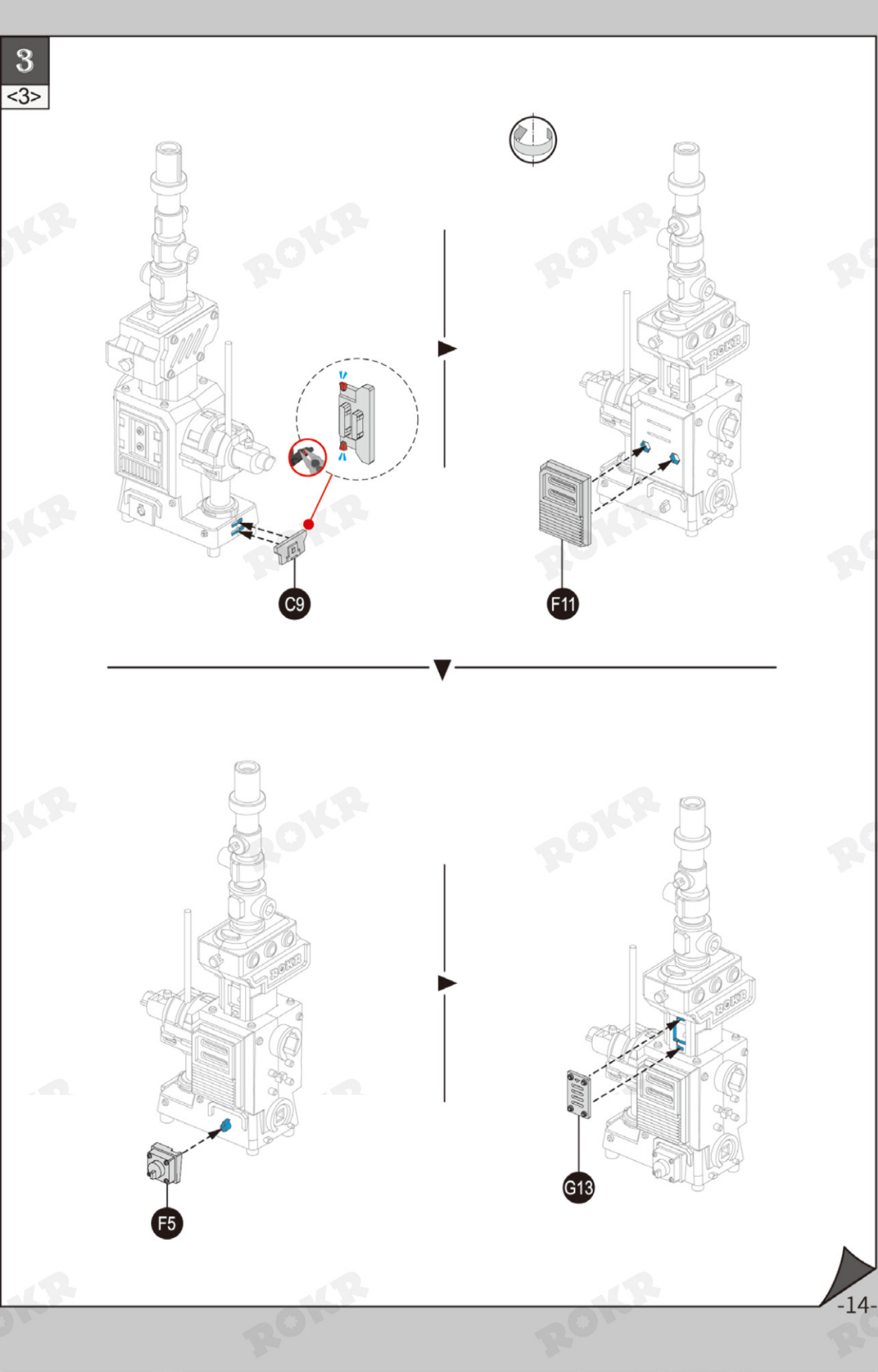
Grease with cotton swabs on the yellow parts

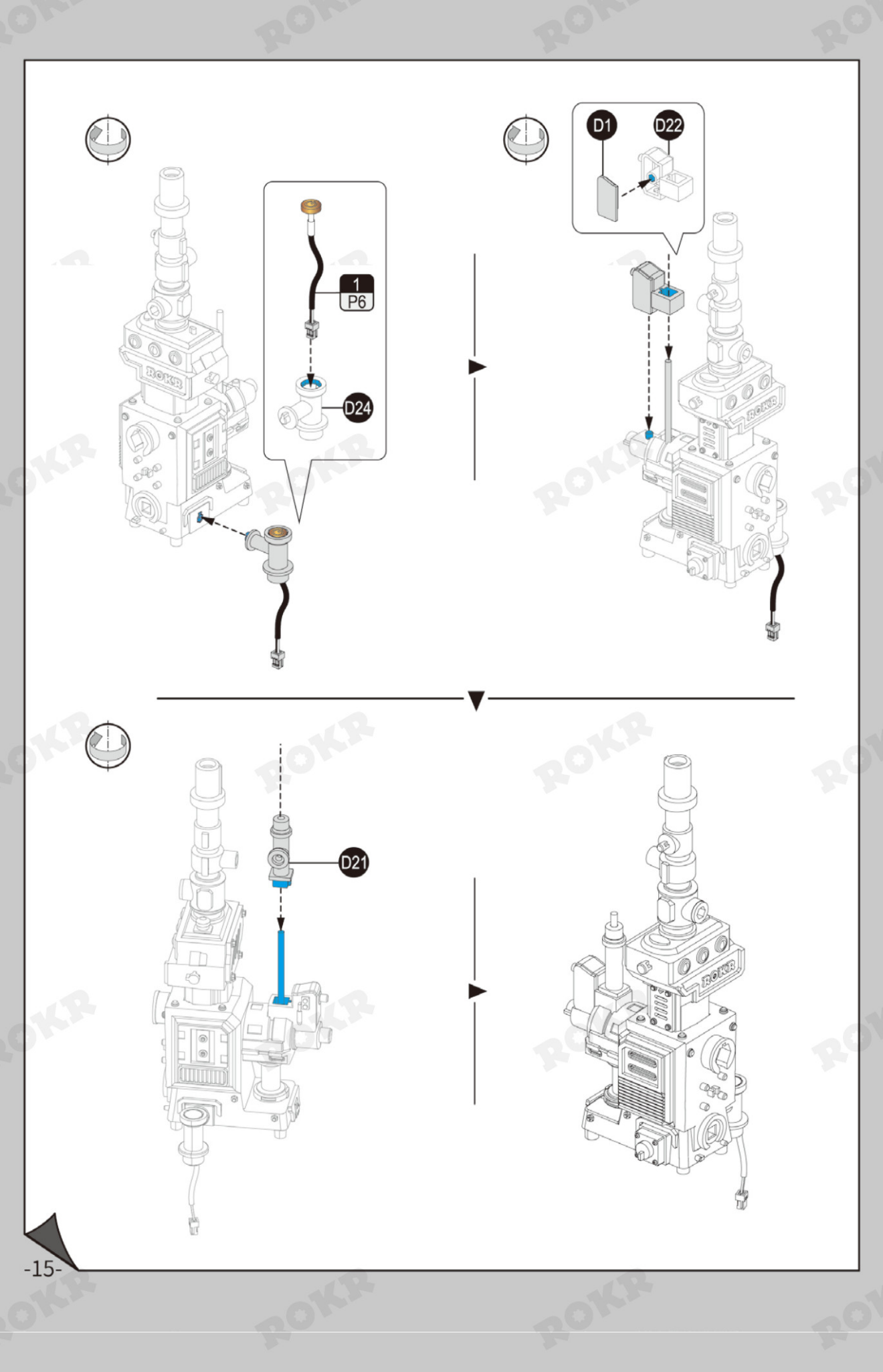
Grease with cotton swabs on the yellow parts

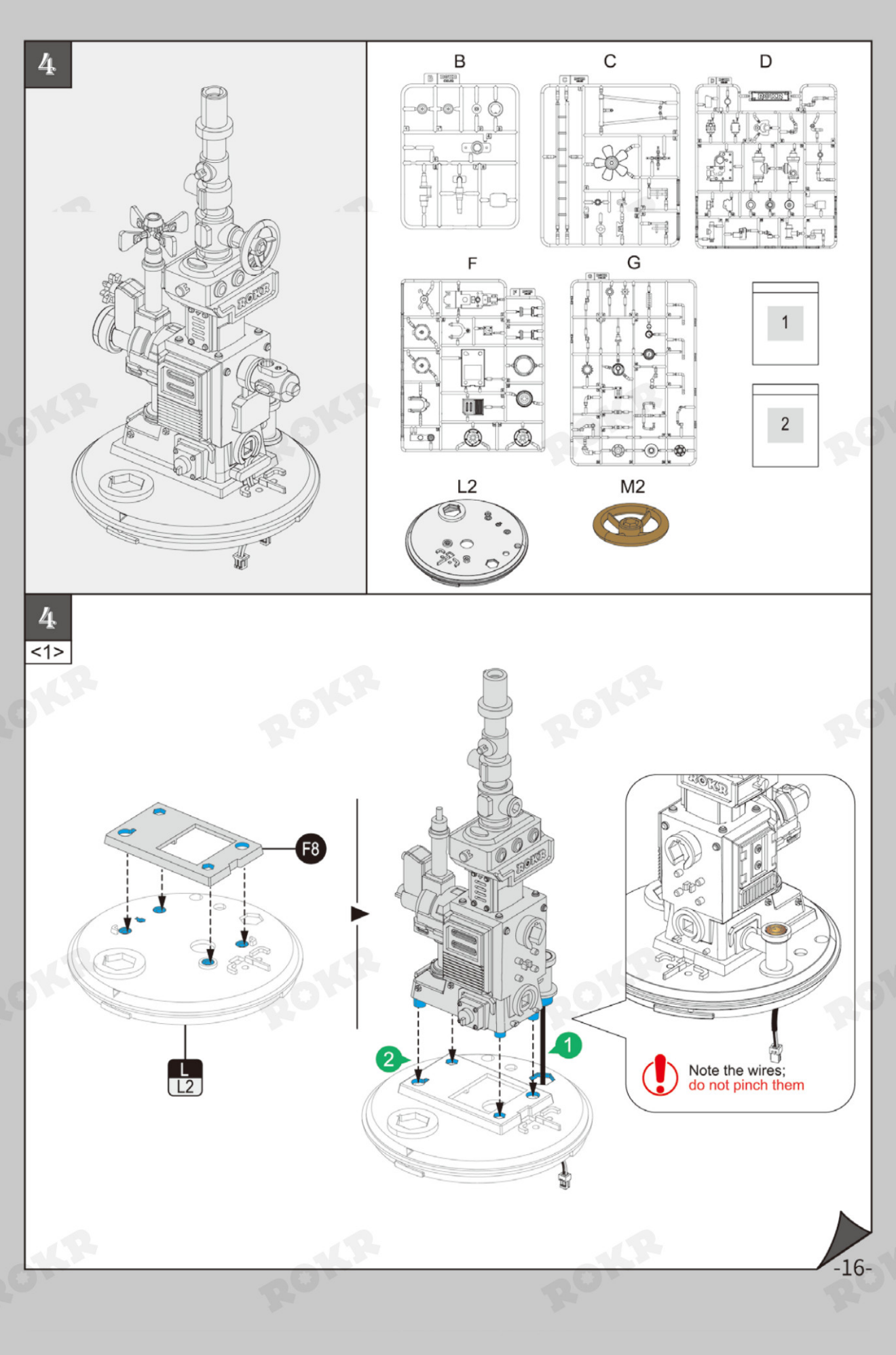


Ensure that the gears connect smoothly

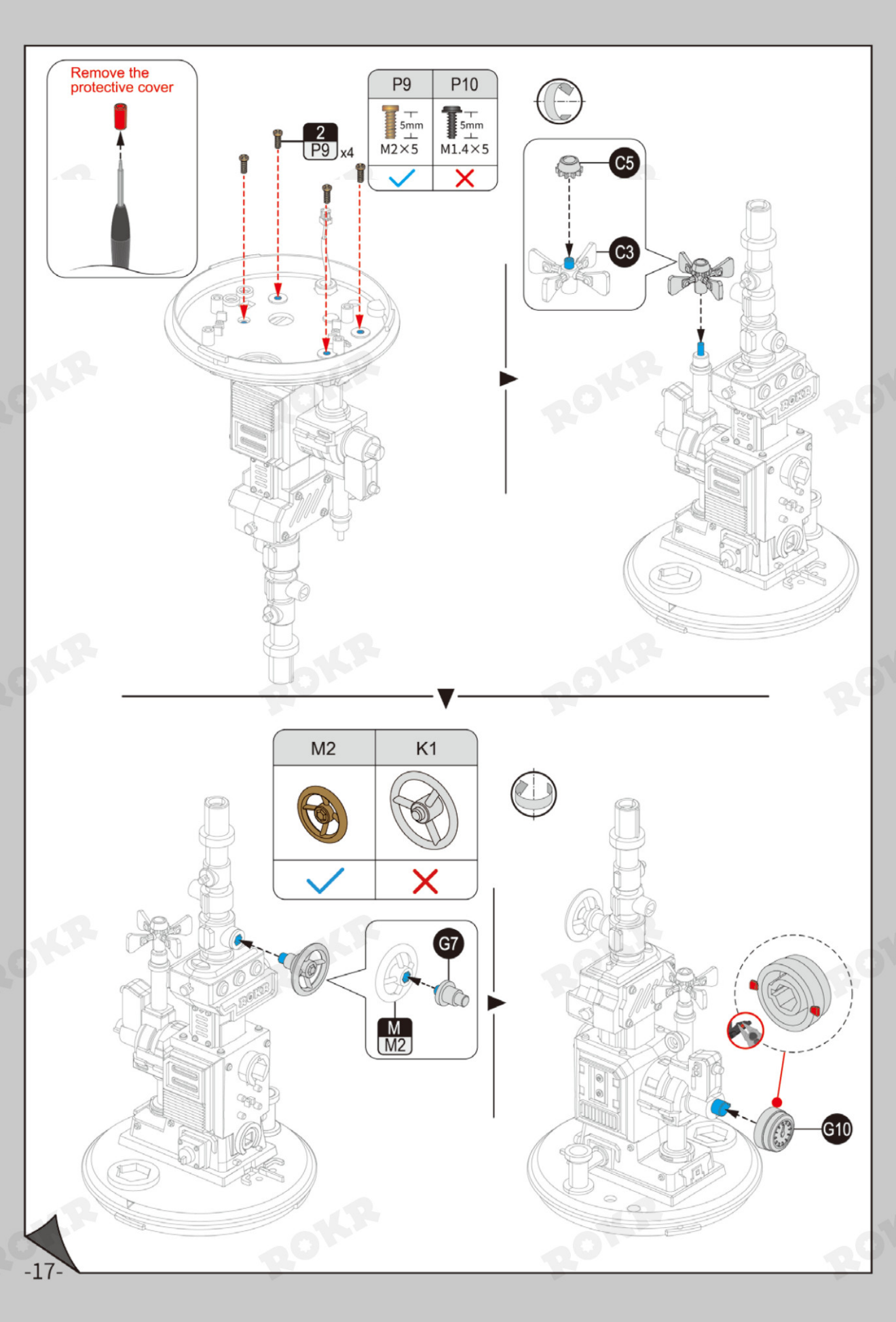




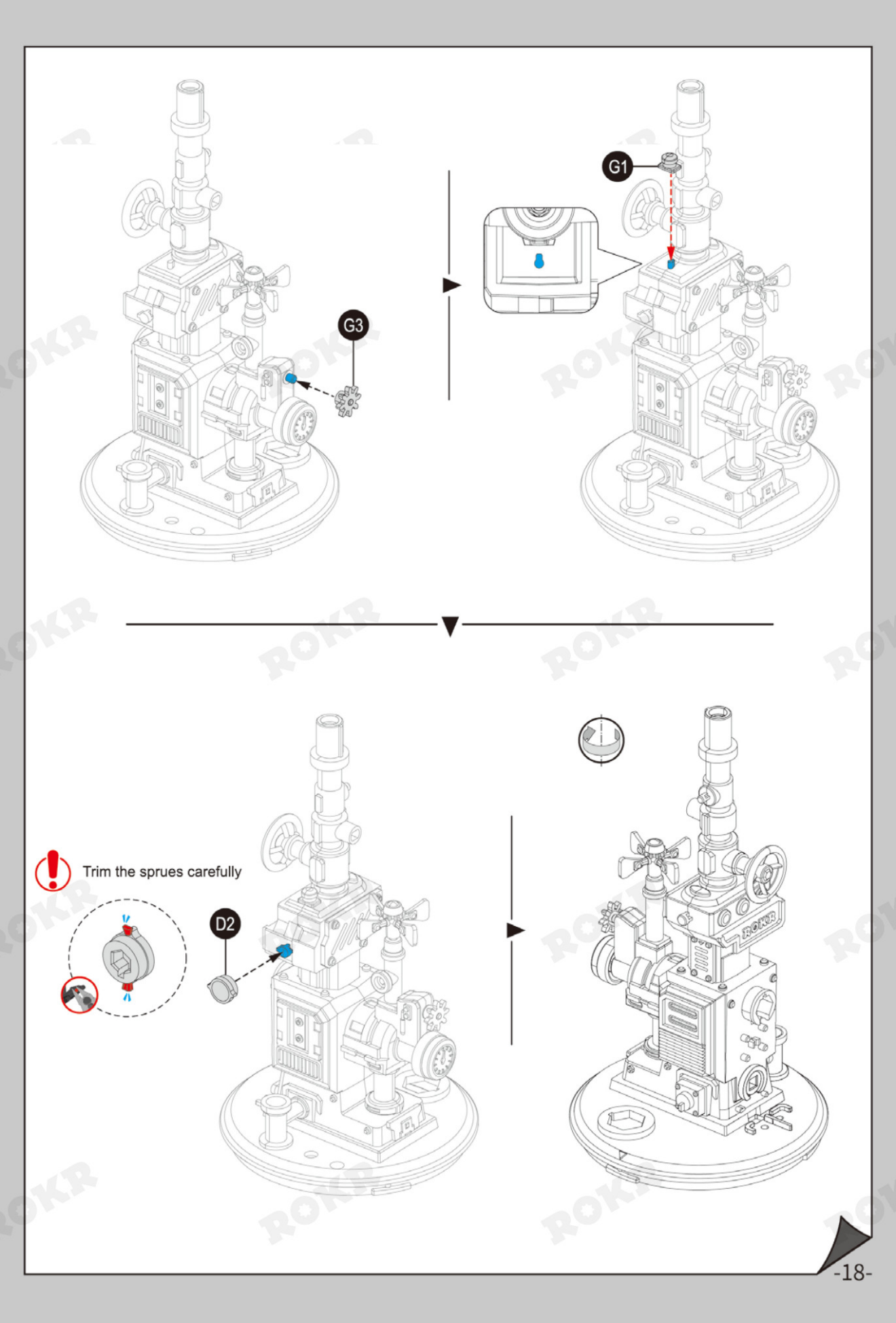




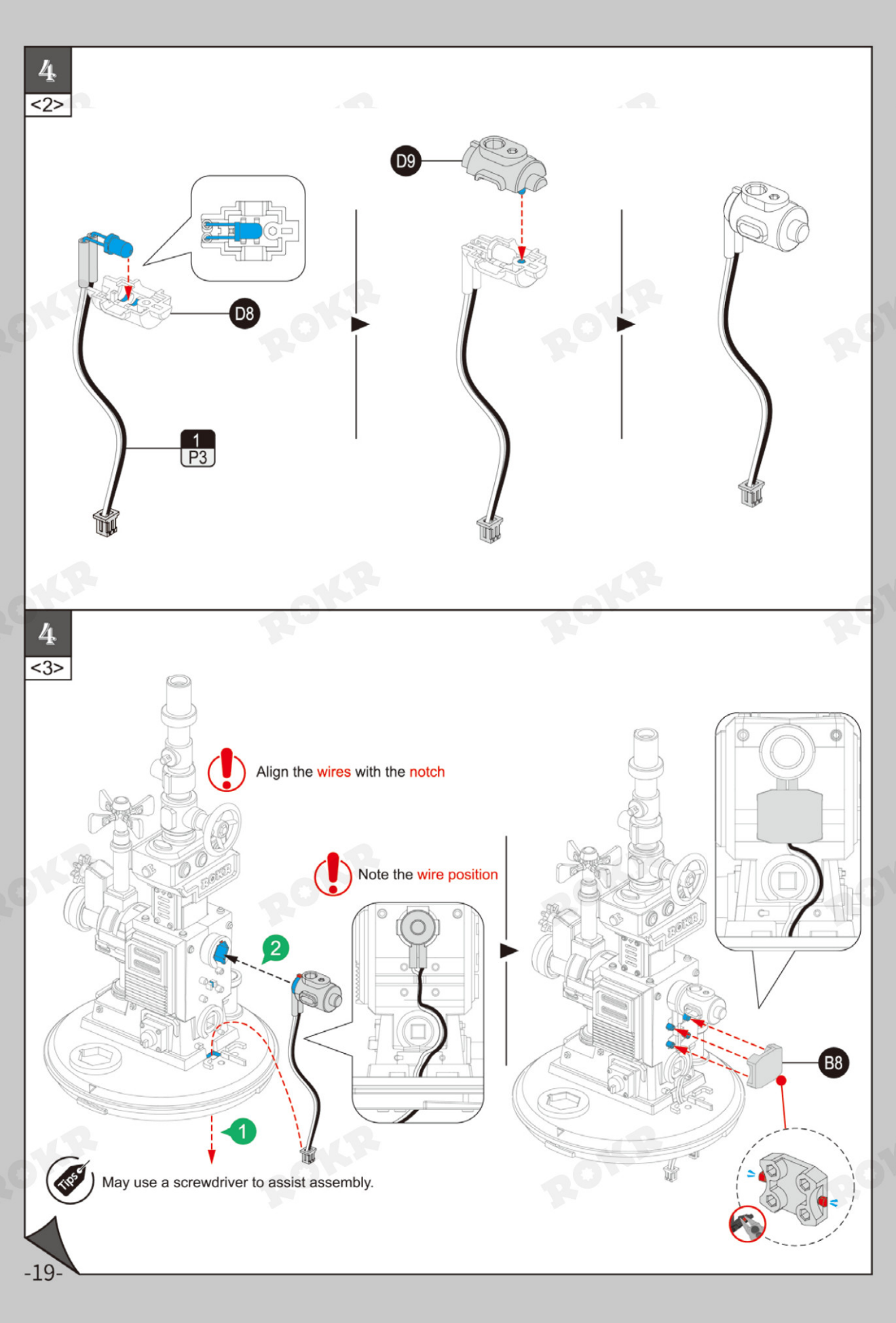
Note the wires; do not pinch them



Remove the protective cover



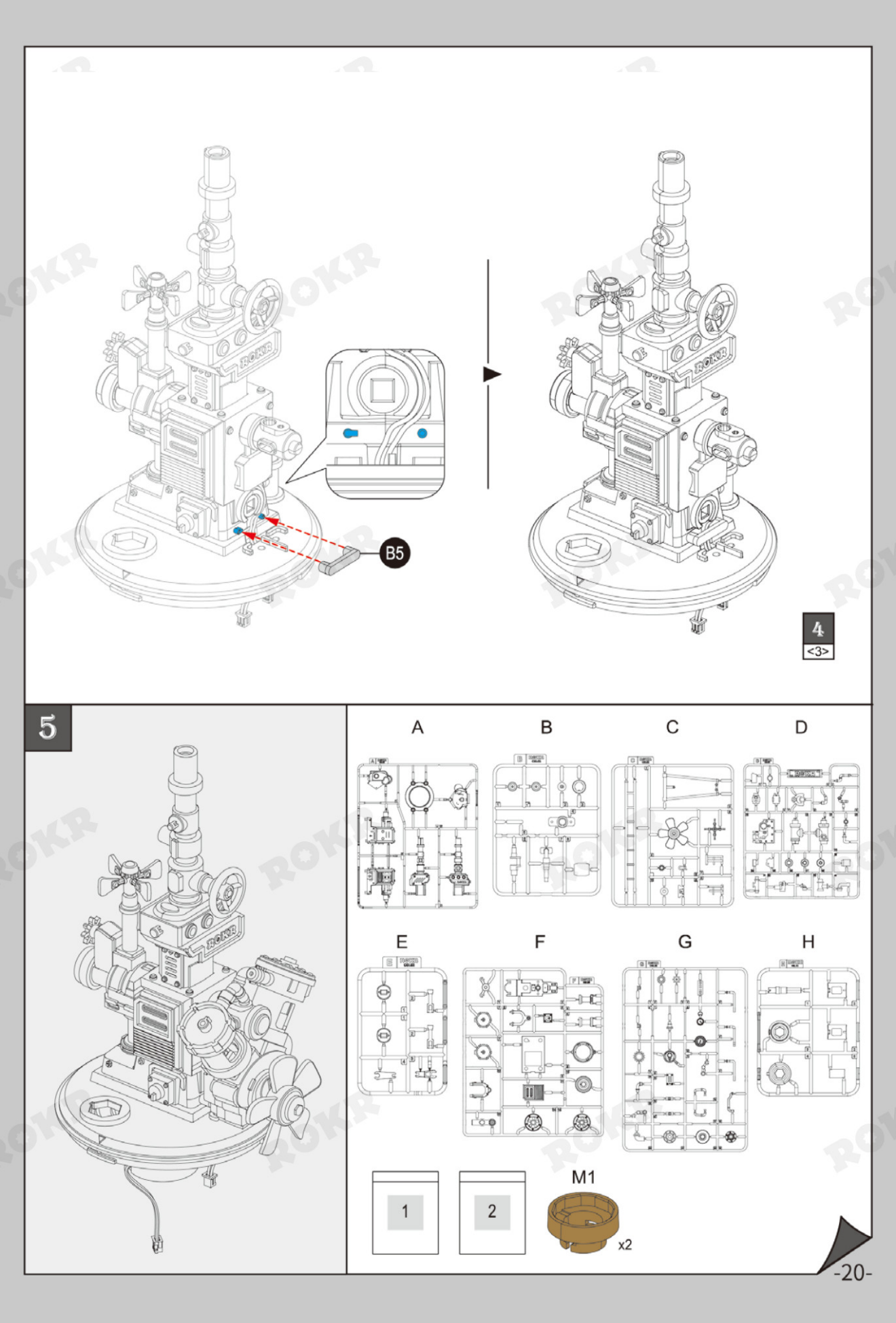
Trim the sprues carefully

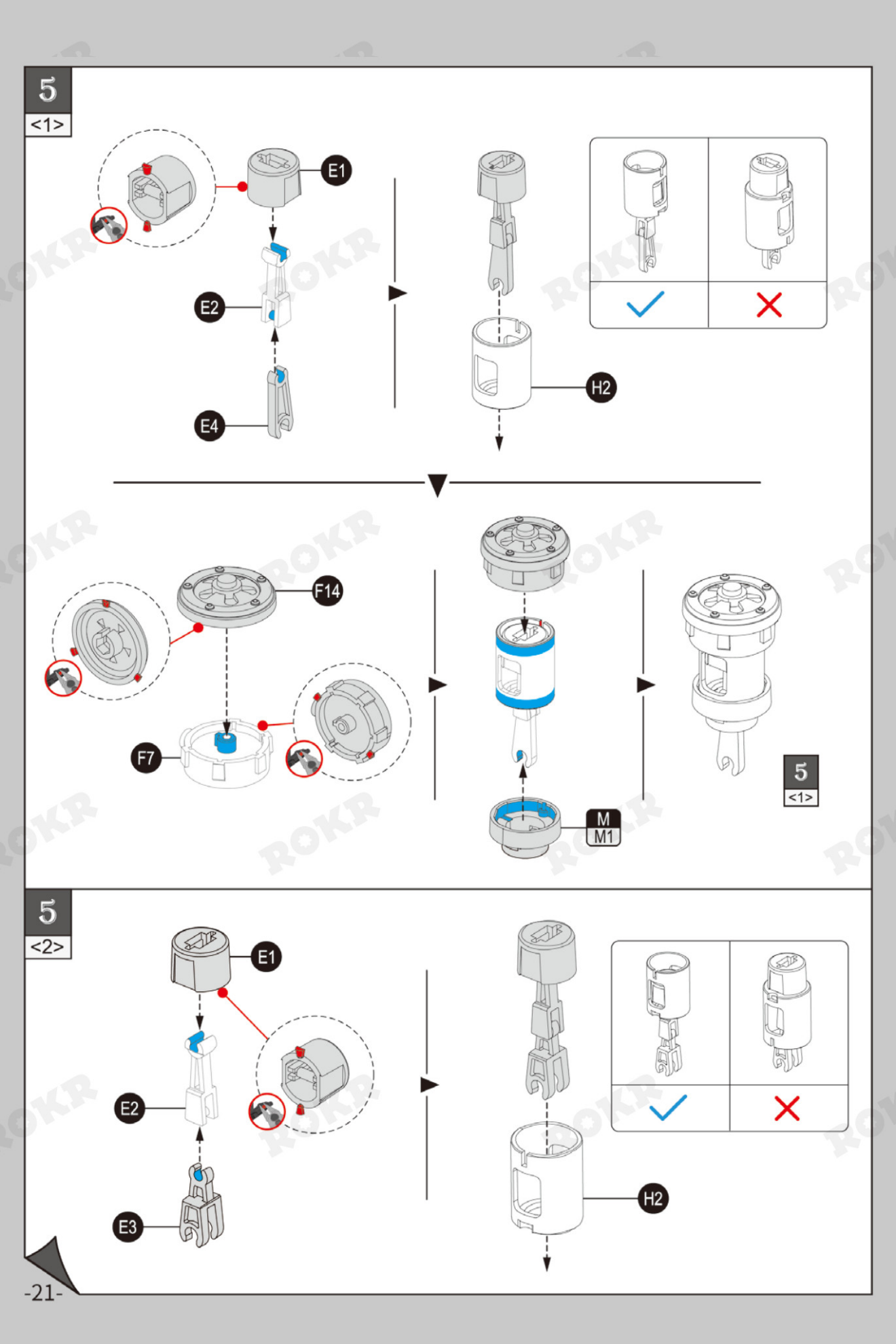


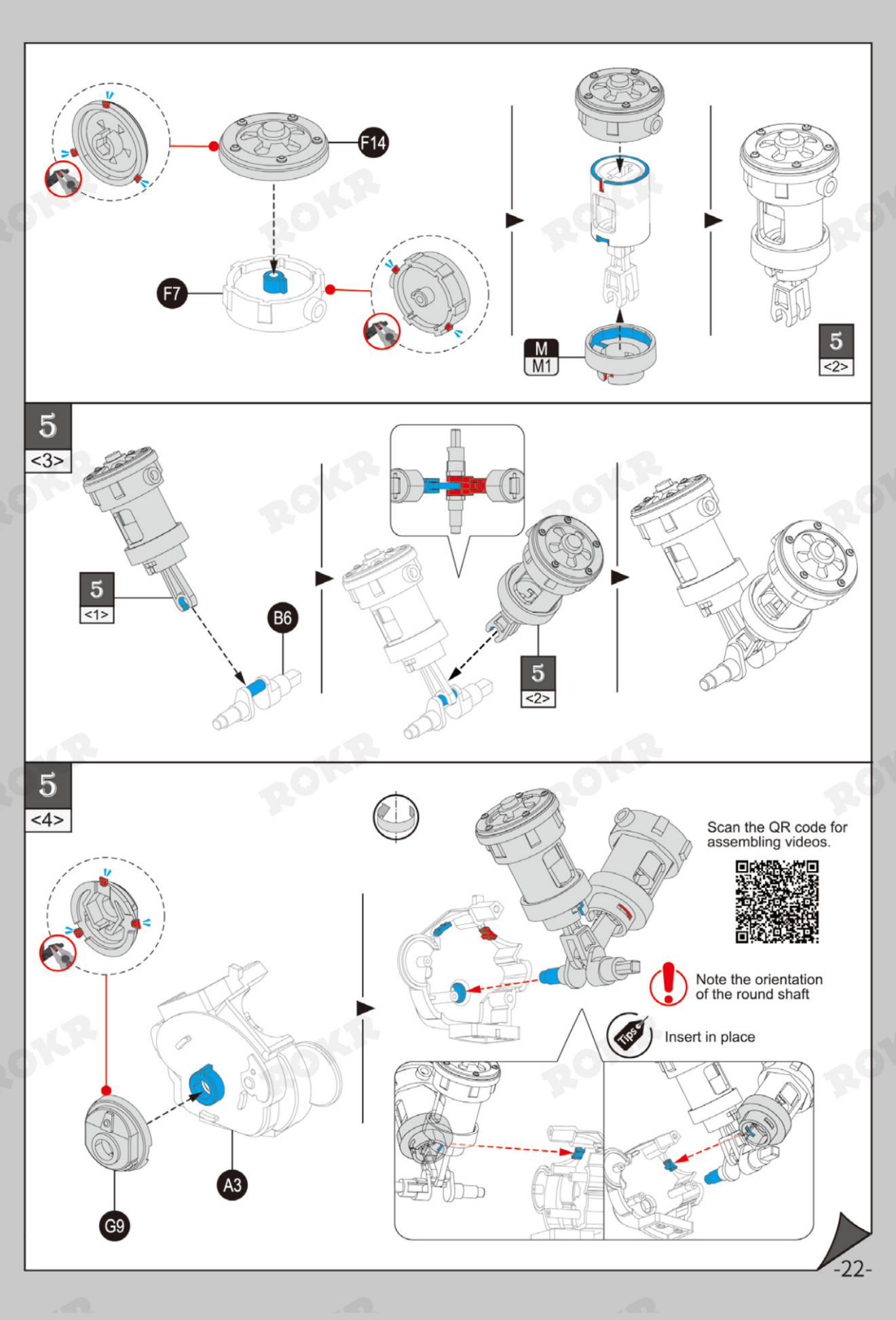
Align the wires with the notch

Note the wire position

May use a screwdriver to assist assembly.



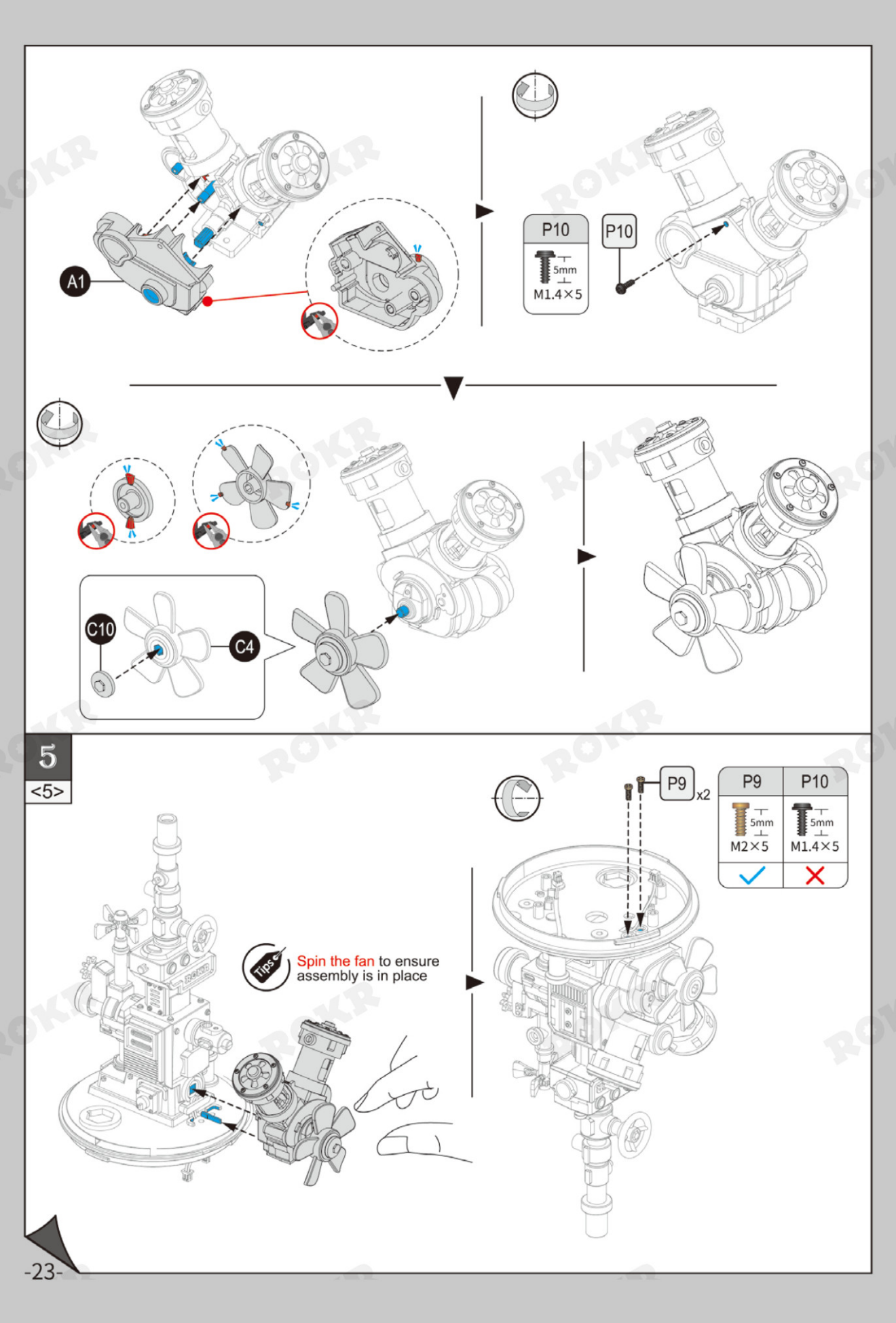




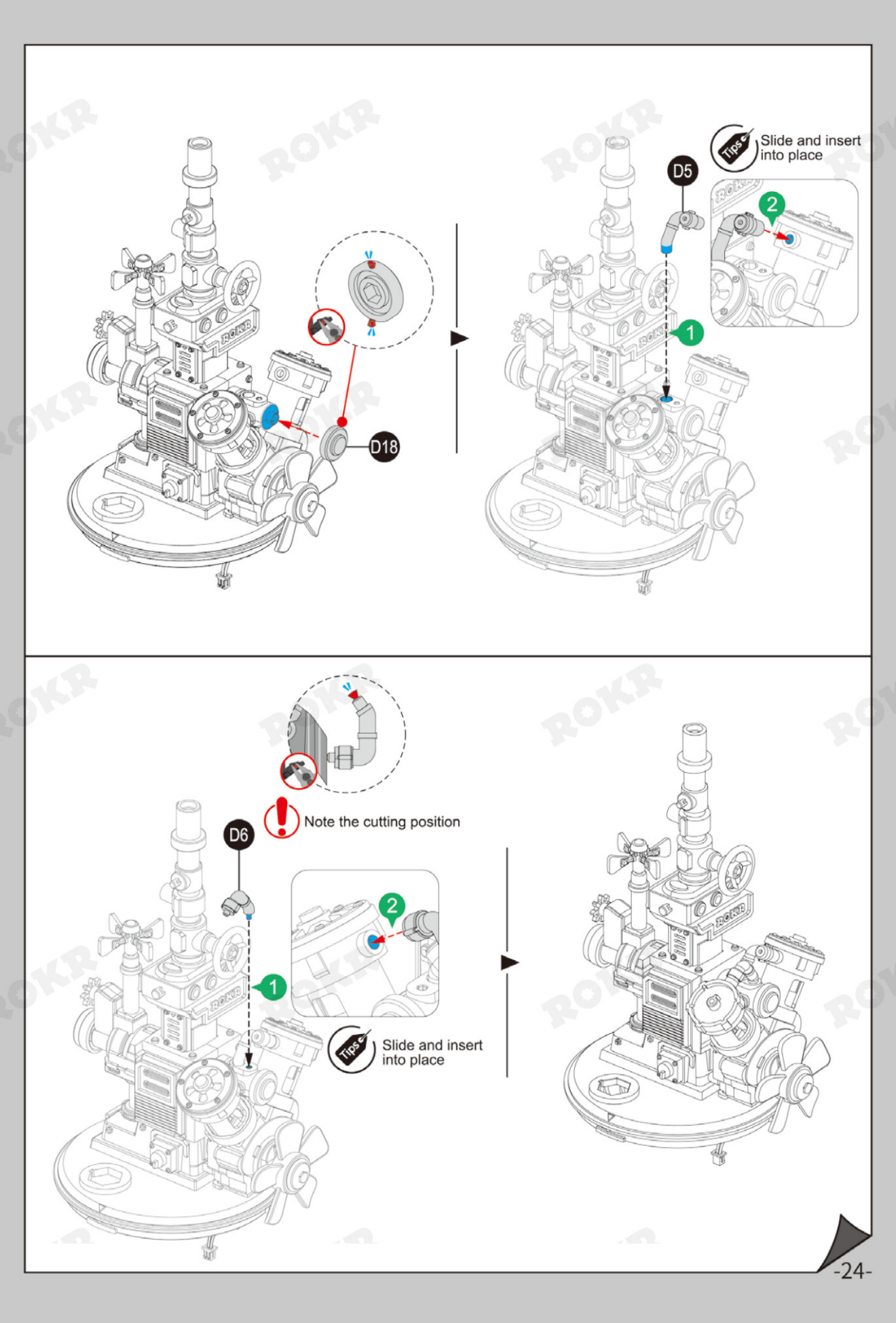
Scan the QR code for assembling videos.

Note the orientation of the round shaft

Insert in place



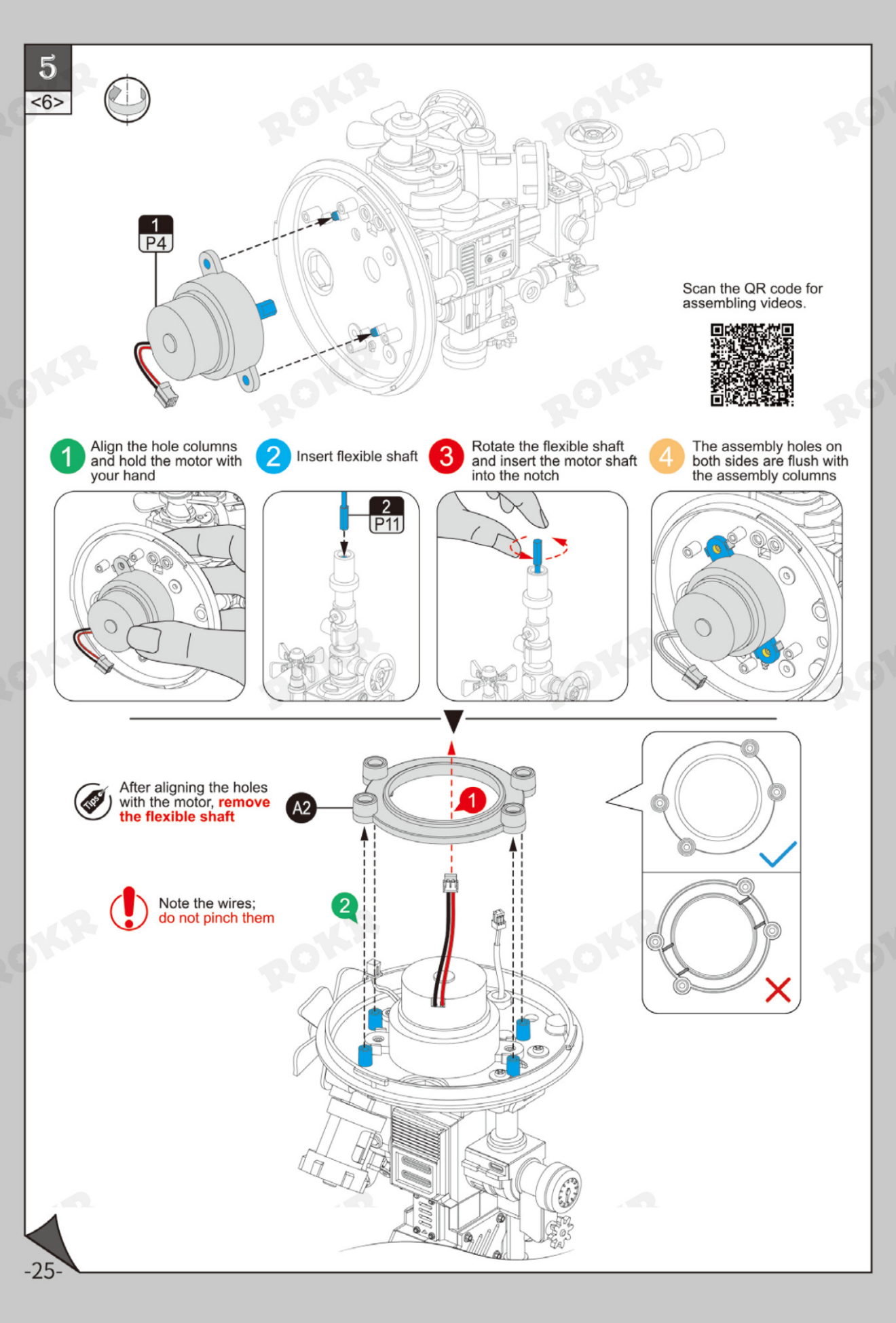
Spin the fan to ensure assembly is in place



Slide and insert into place

Note the cutting position

Slide and insert into place

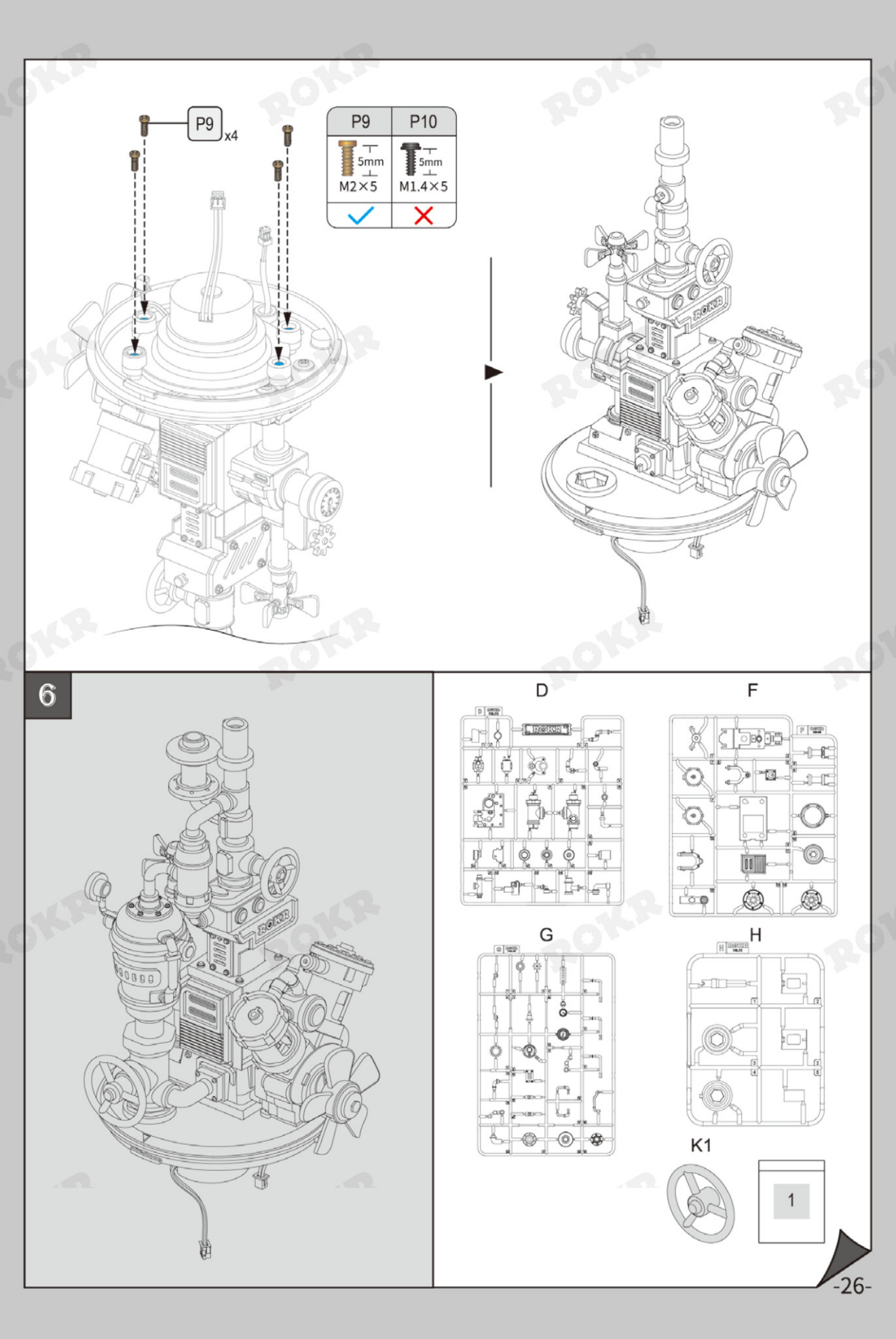


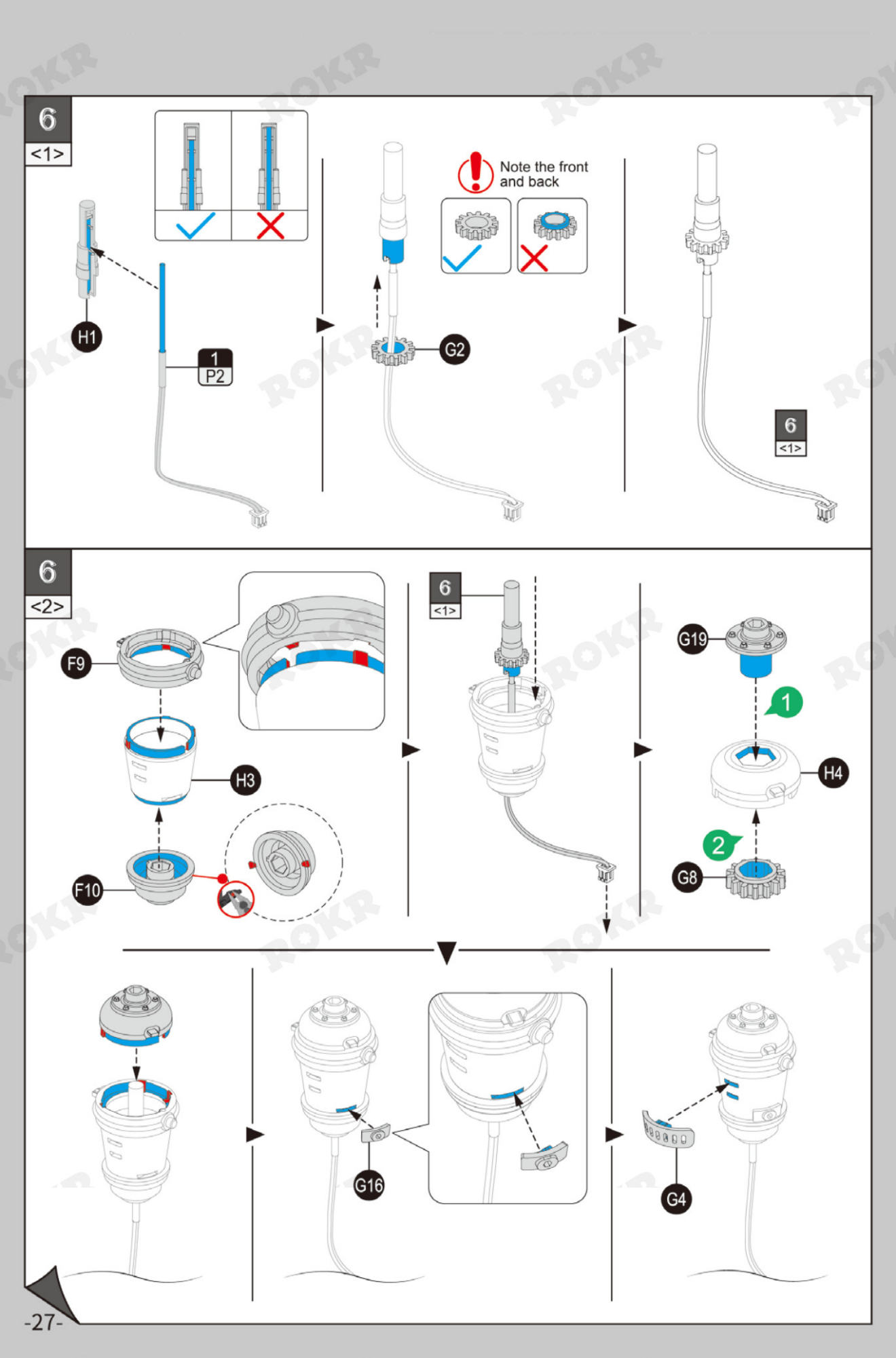
Scan the QR code for assembling videos.

1. Align the hole columns and hold the motor with your hand
2. Insert flexible shaft
3. Rotate the flexible shaft and insert the motor shaft into the notch
4. The assembly holes on both sides are flush with the assembly columns

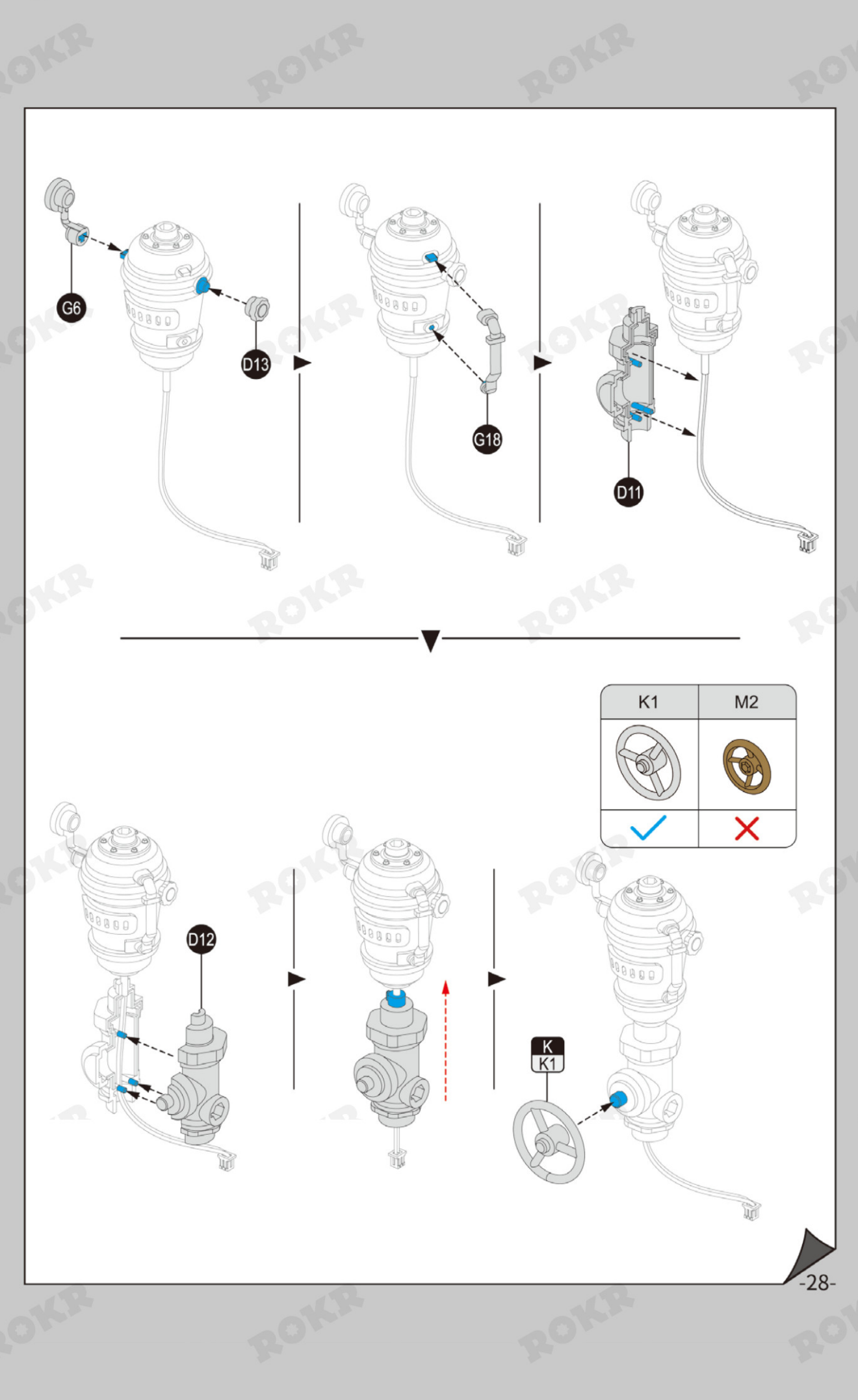
After aligning the holes with the motor, remove the flexible shaft

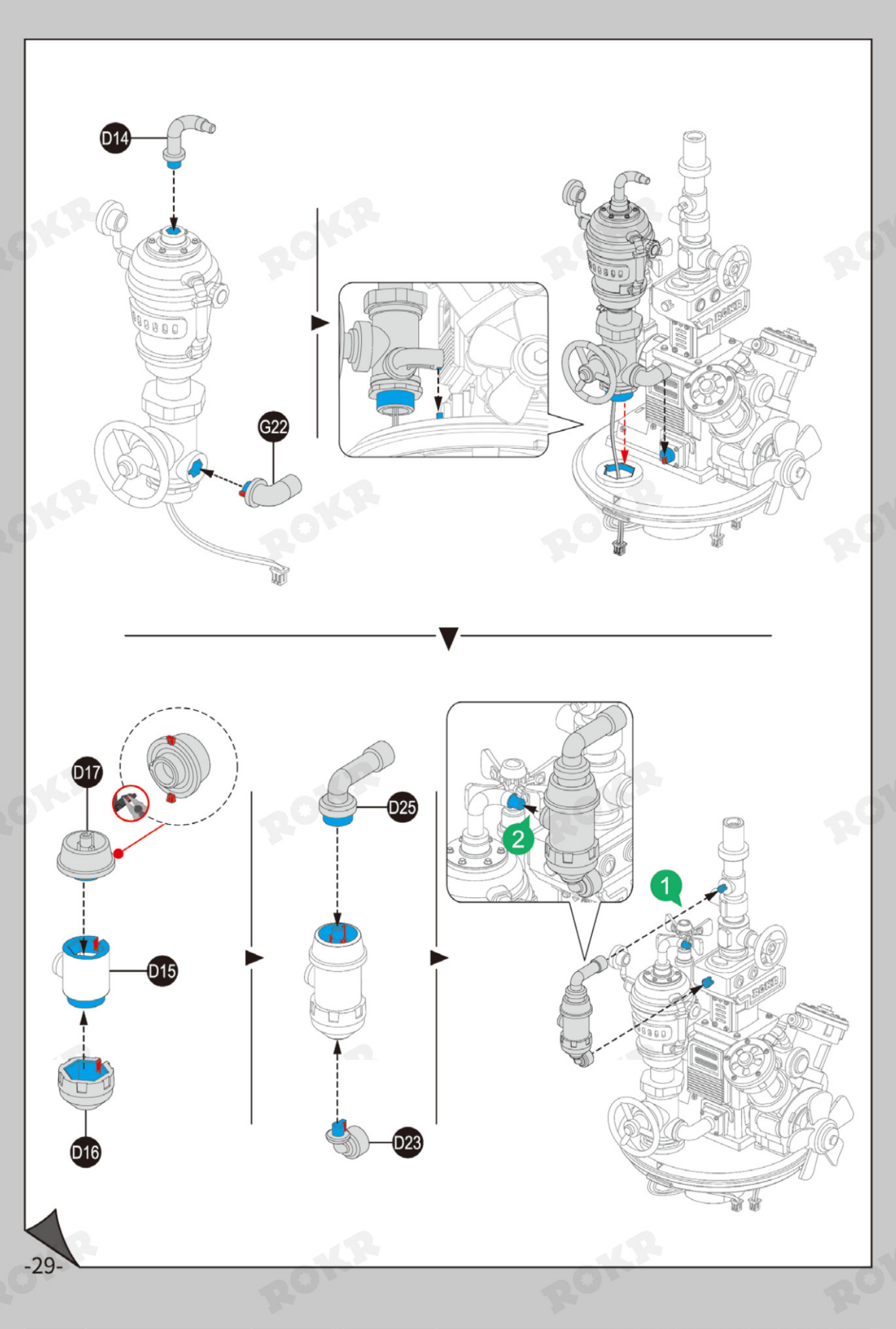
Note the wires; do not pinch them

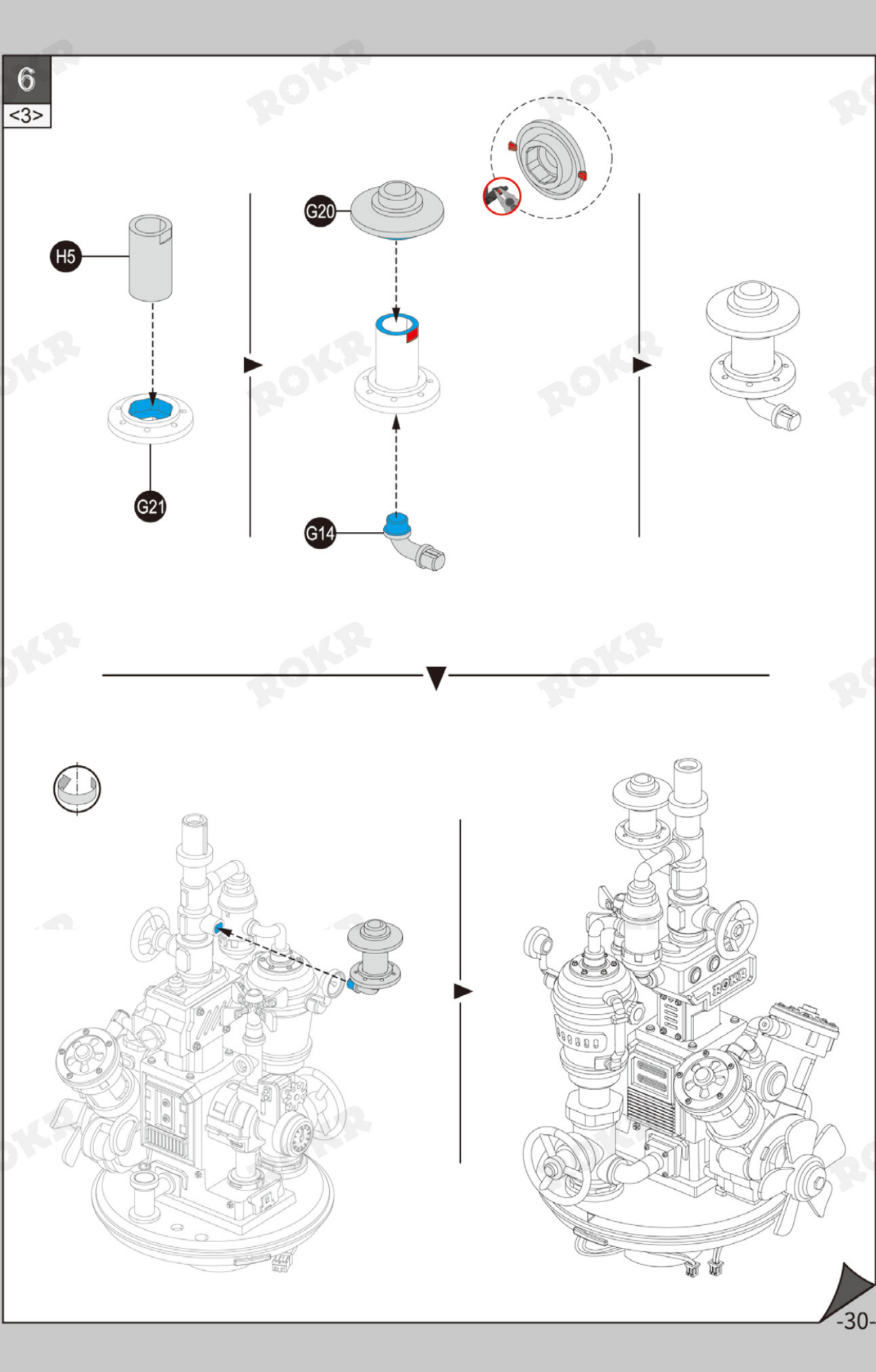


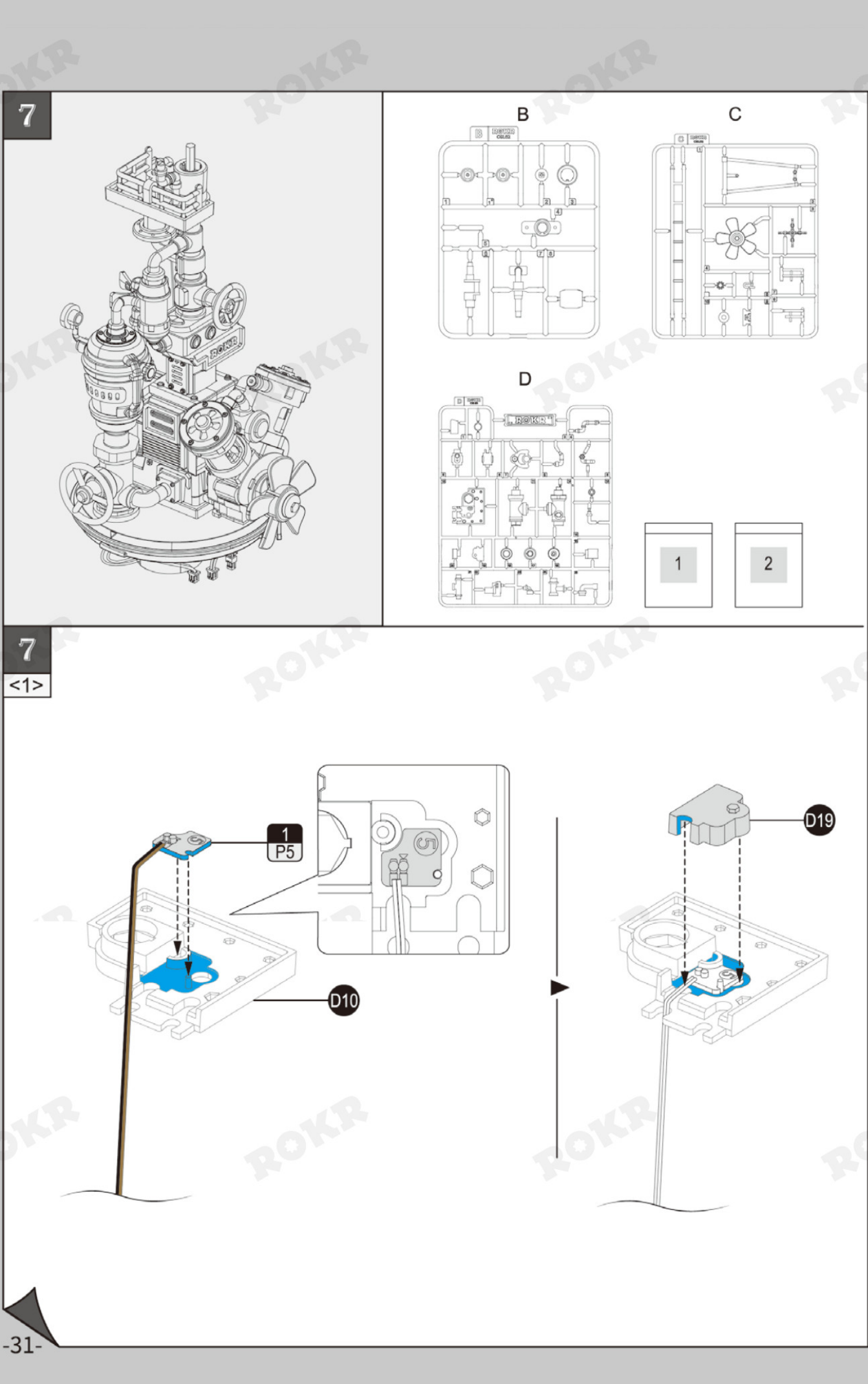


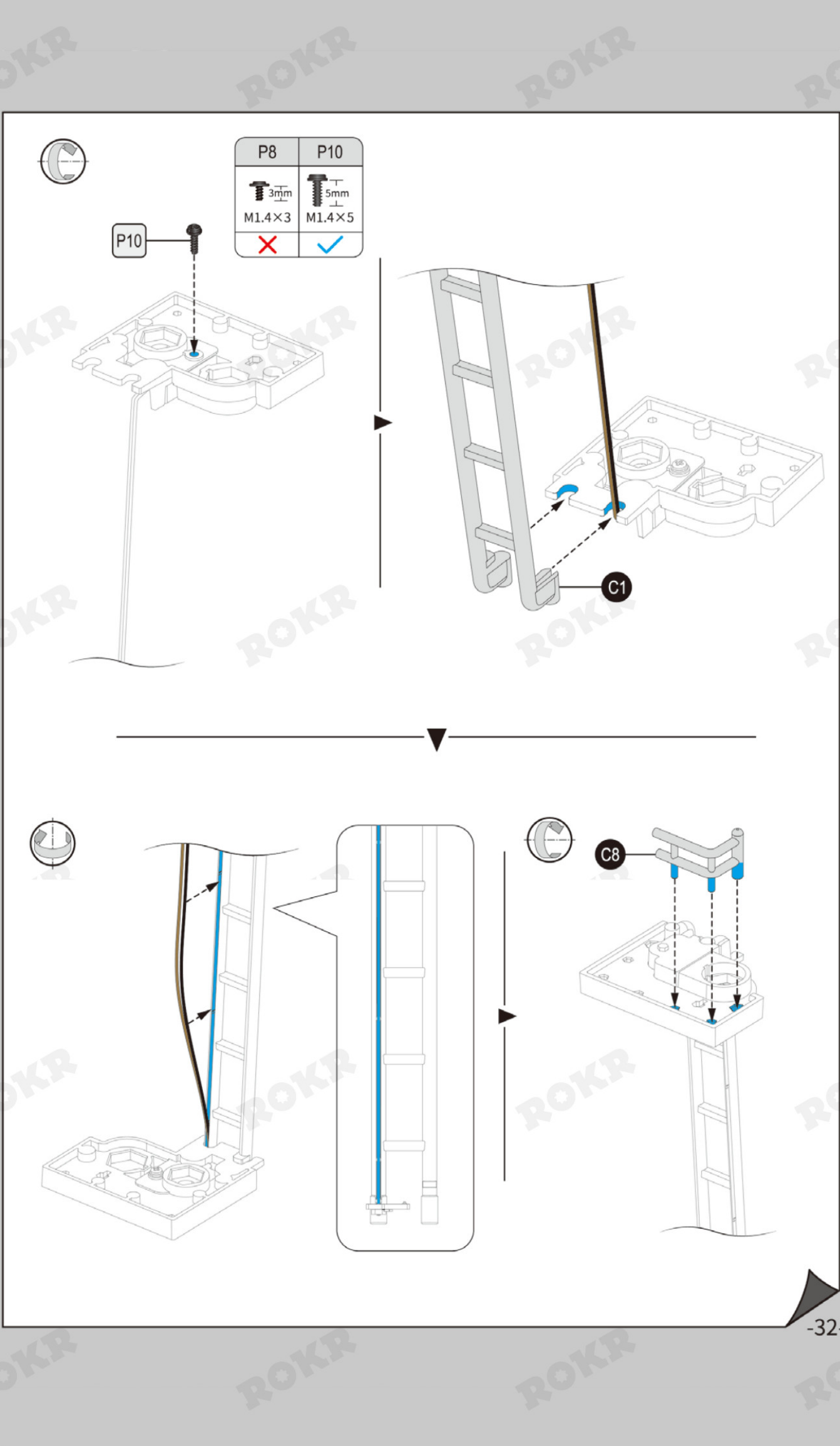
Note the front and back

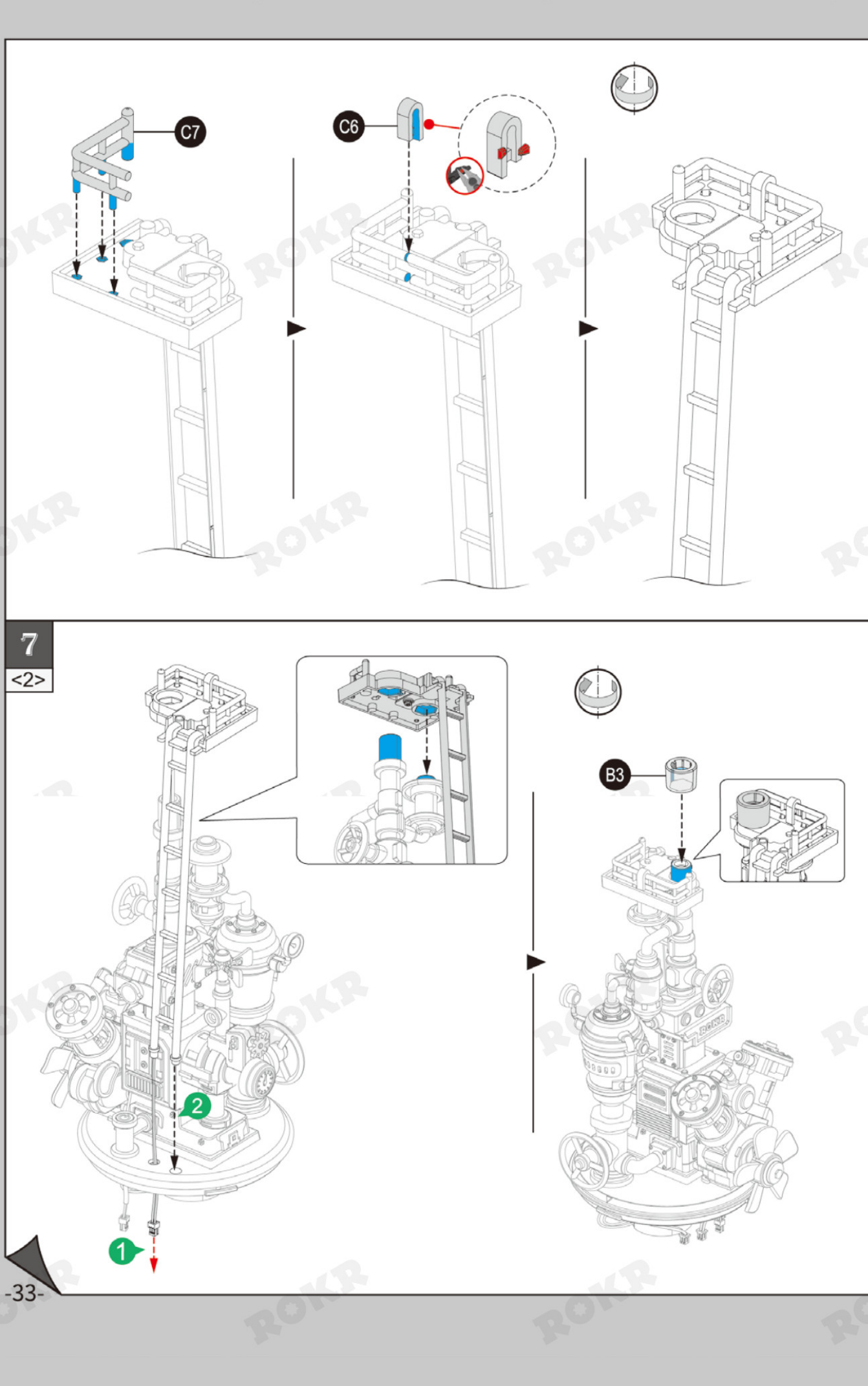


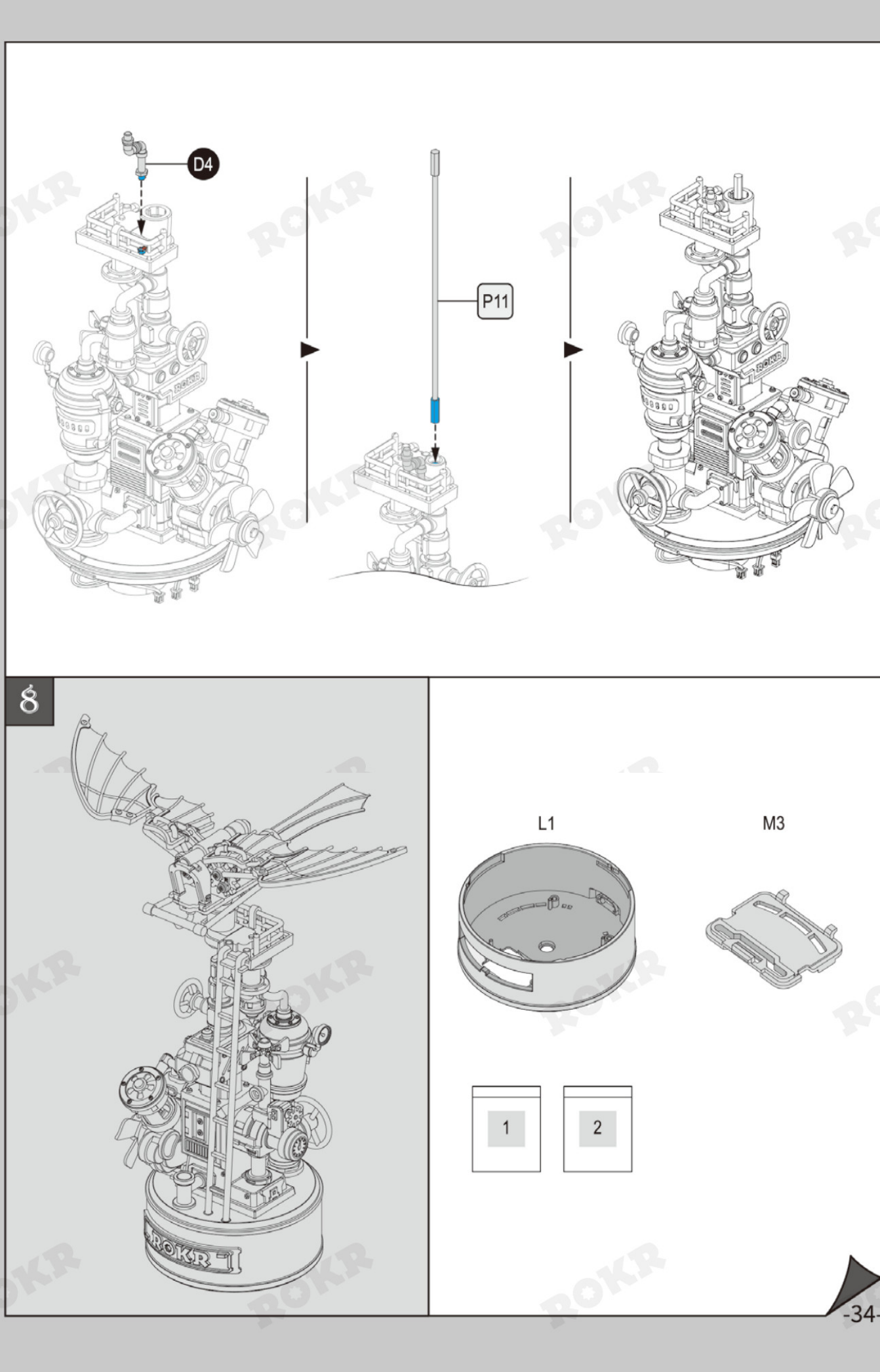


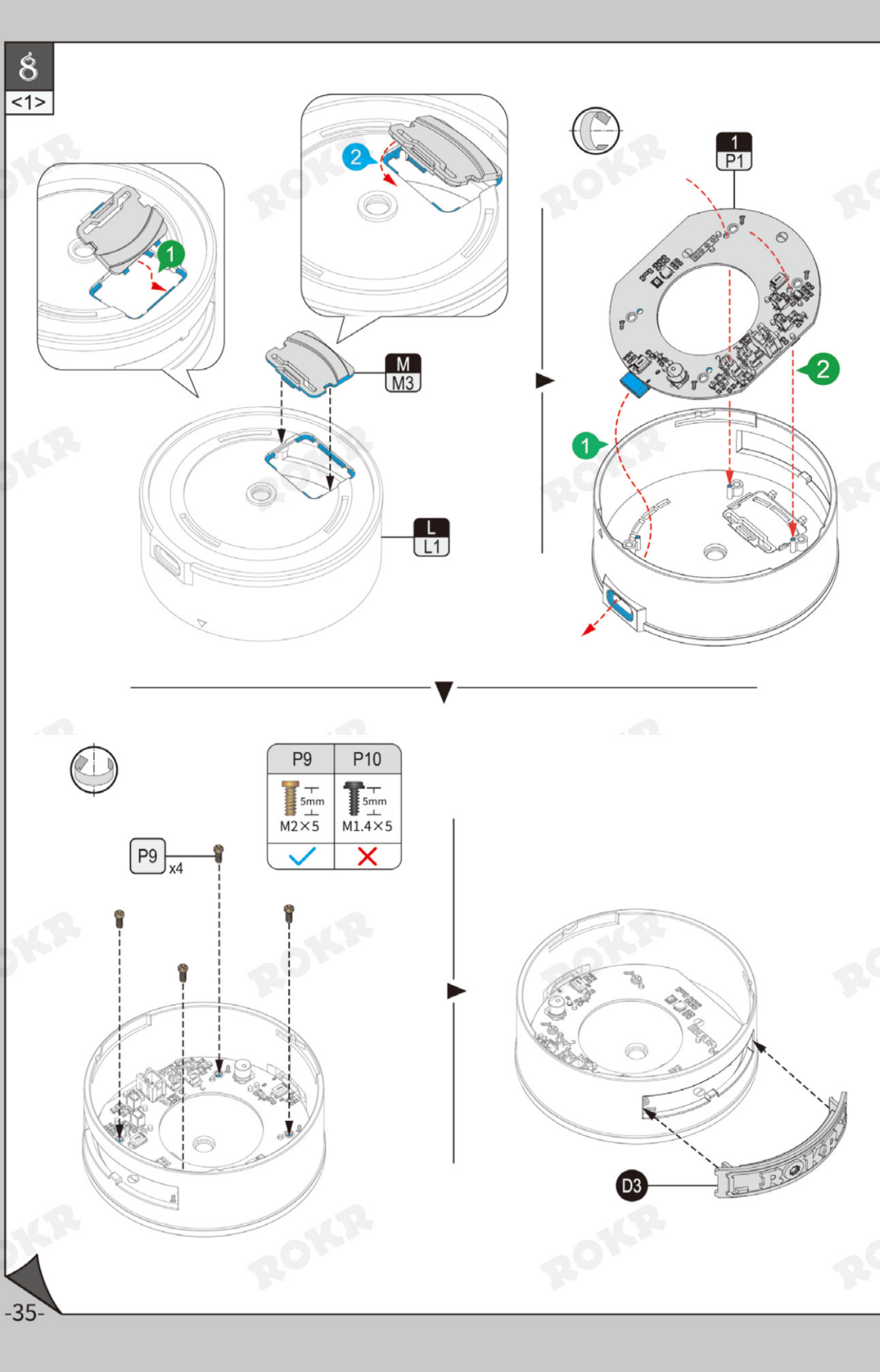


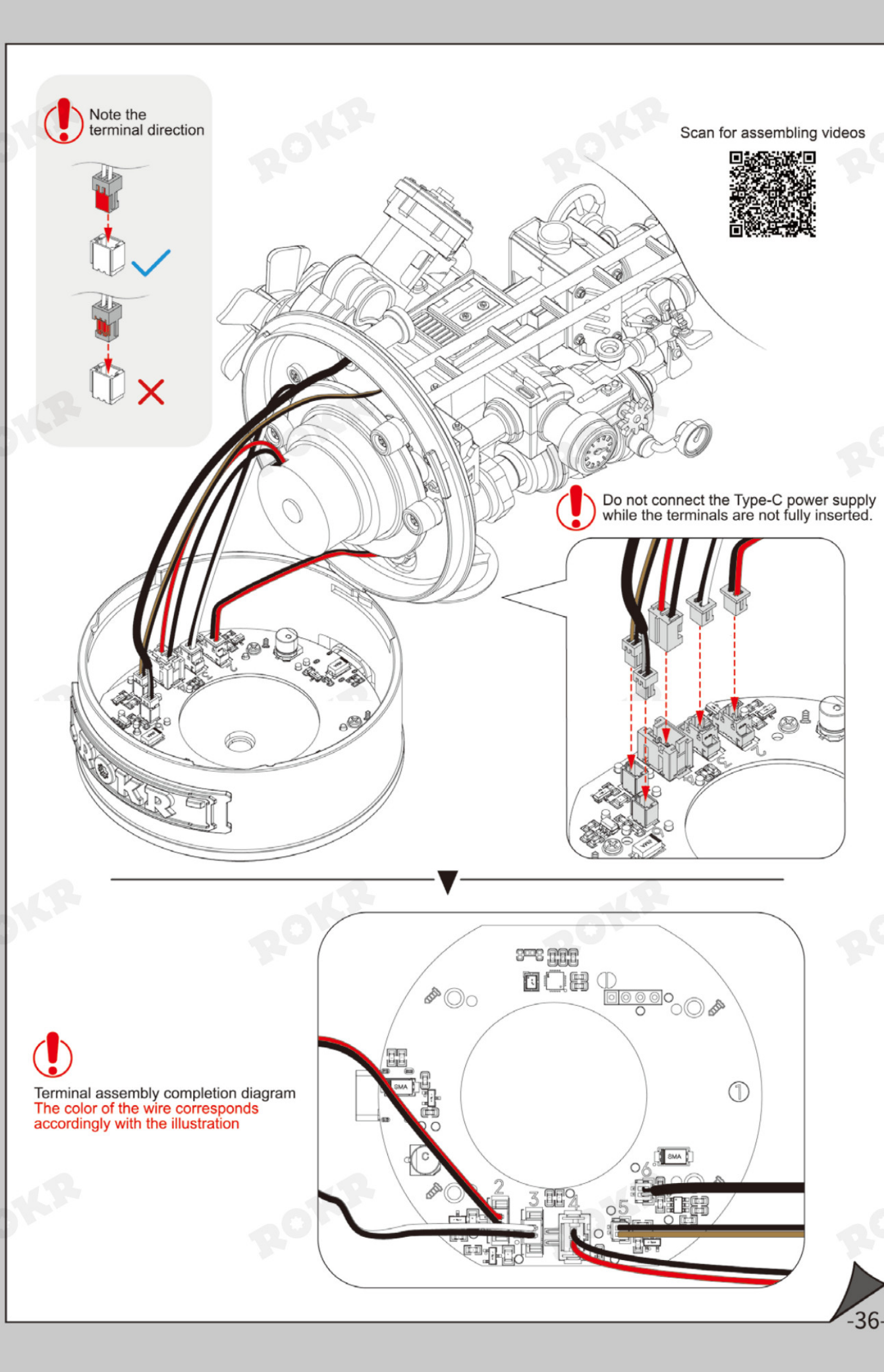








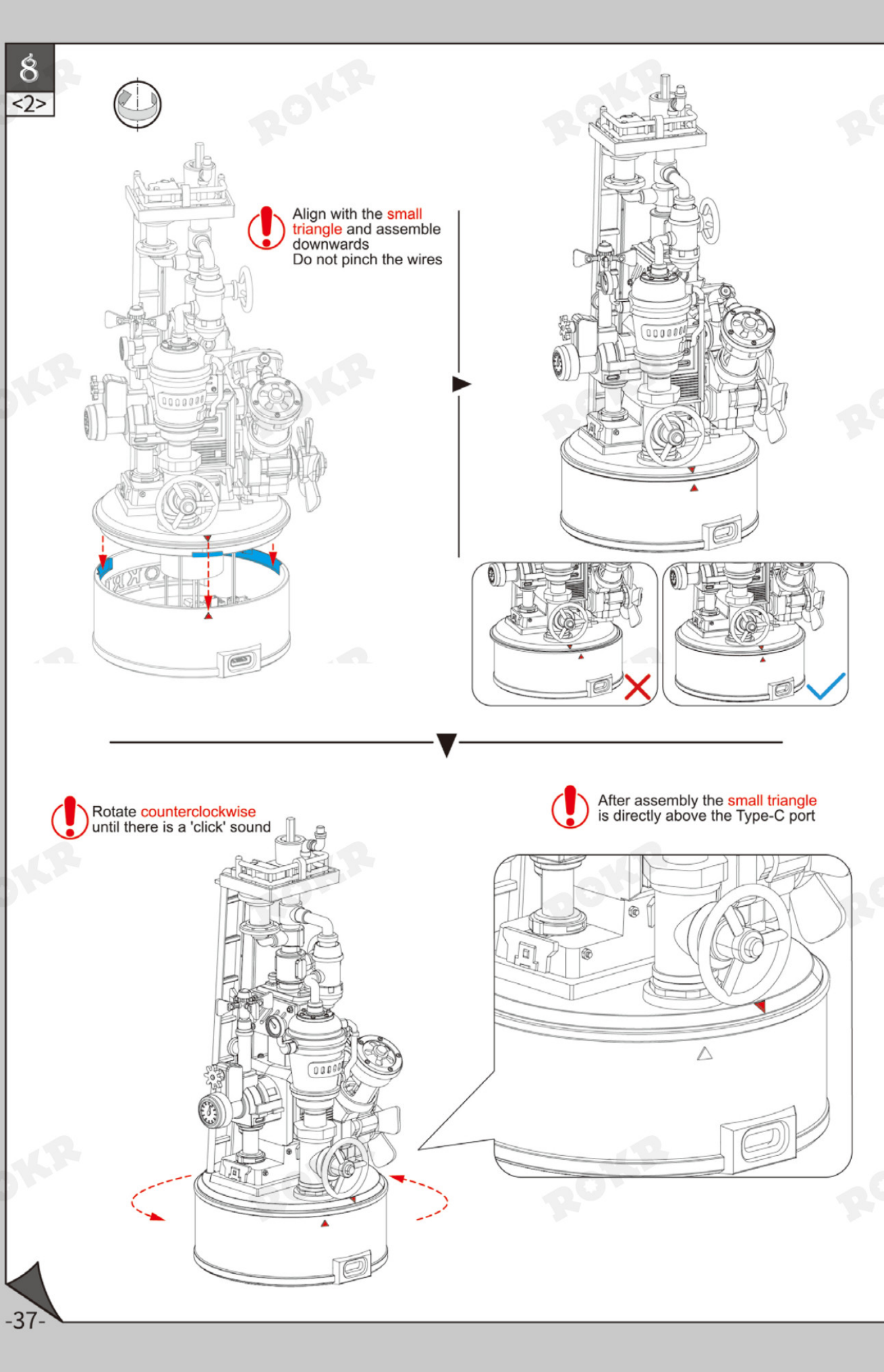



Note the terminal direction

Scan for assembling videos

Do not connect the Type-C power supply while the terminals are not fully inserted.

Terminal assembly completion diagram
The color of the wire corresponds accordingly with the illustration

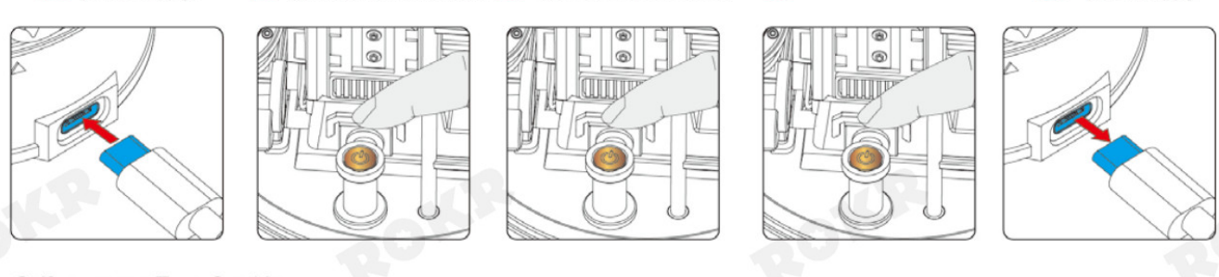


Align with the small triangle and assemble downwards
Do not pinch the wires

Rotate counterclockwise until there is a 'click' sound

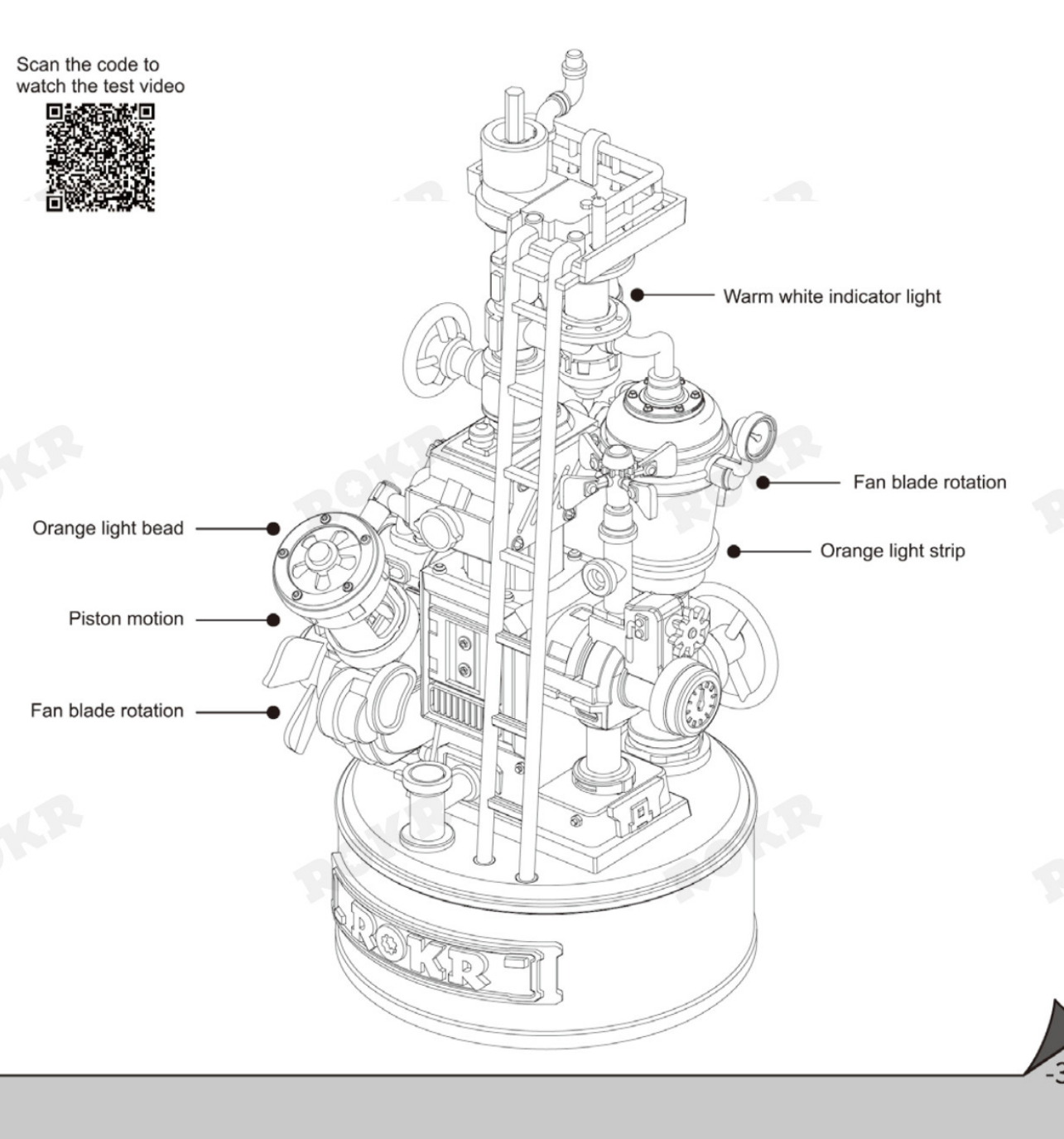
After assembly the small triangle is directly above the Type-C port

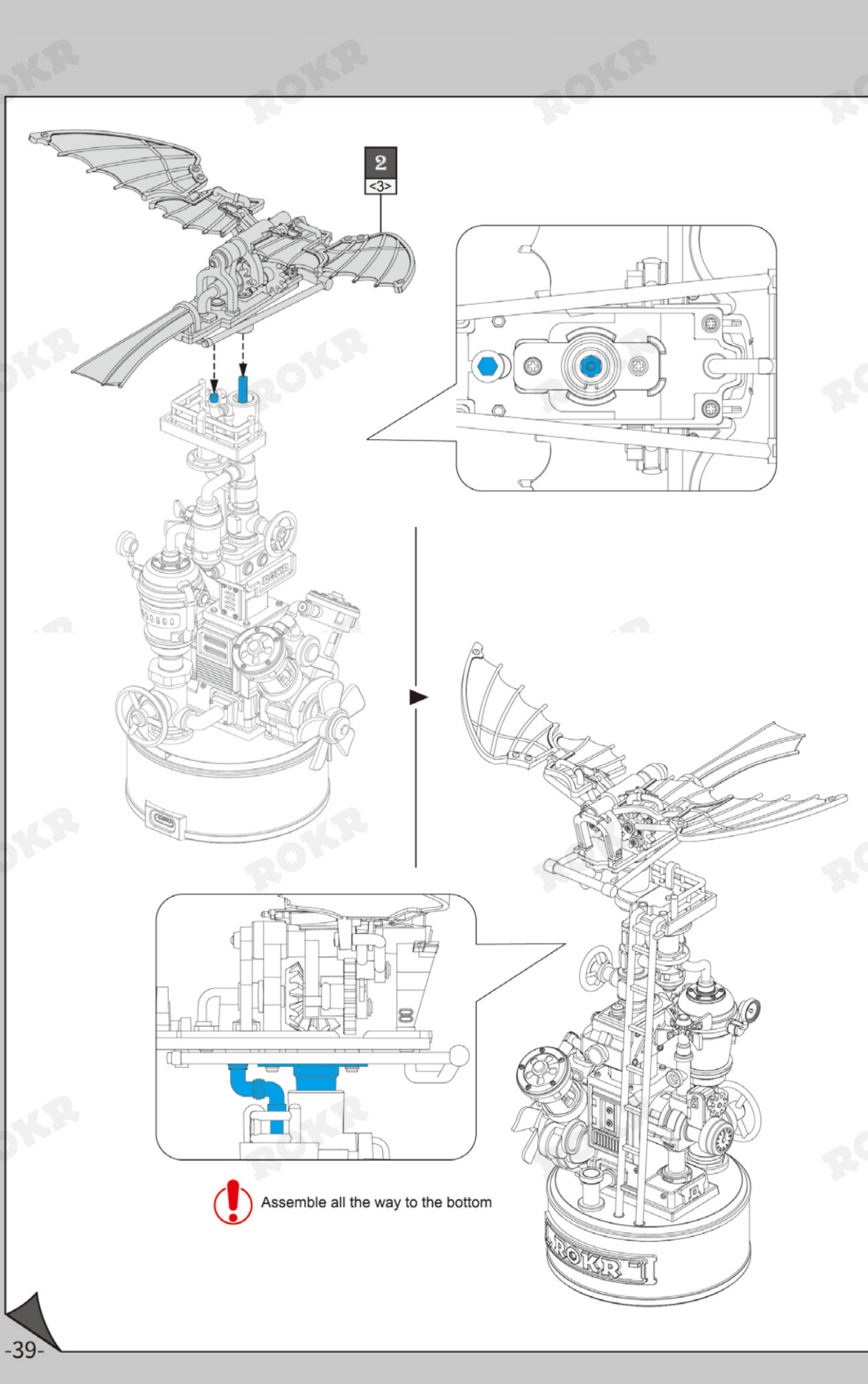
Testing electronic parts


1. Connect to the power supply.
2. Single click: Power on (lights up and motor rotates)
3. Single click: Switch mode (lights up only, no rotation)
4. Single click: Power off
5. Disconnect power supply

Self-prepare a Type-C cable.
Input power supply: 5V ⎓ 1A
Note: Over-current protection provided, adapters ≥ 1A are acceptable.

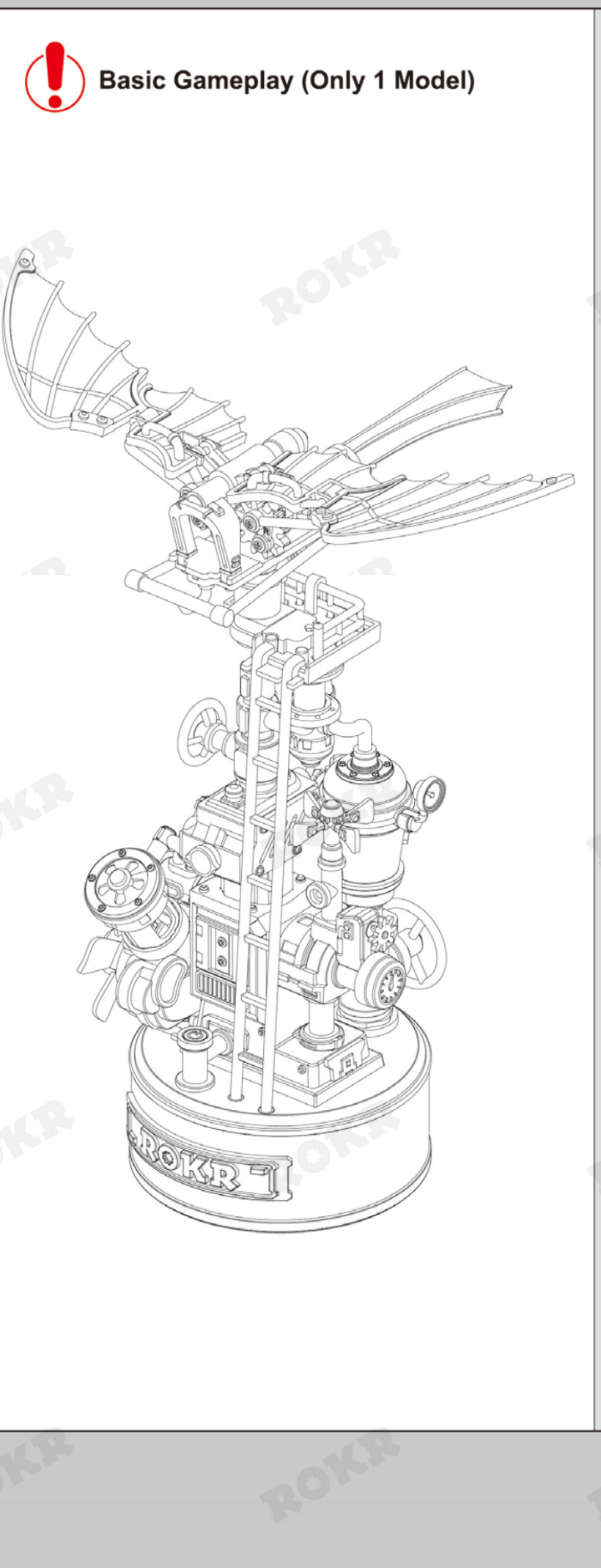
Scan the code to watch the test video

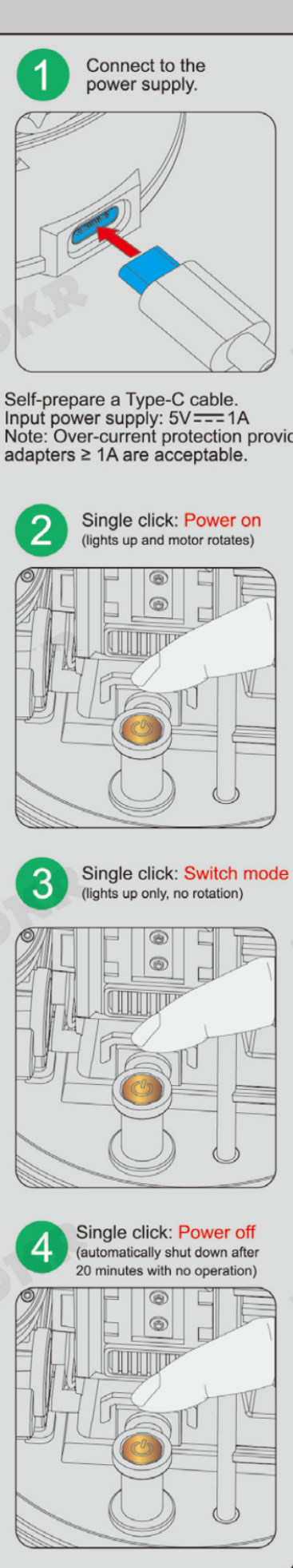




Assemble all the way to the bottom

Basic Gameplay (Only 1 Model)




1. Connect to the power supply.

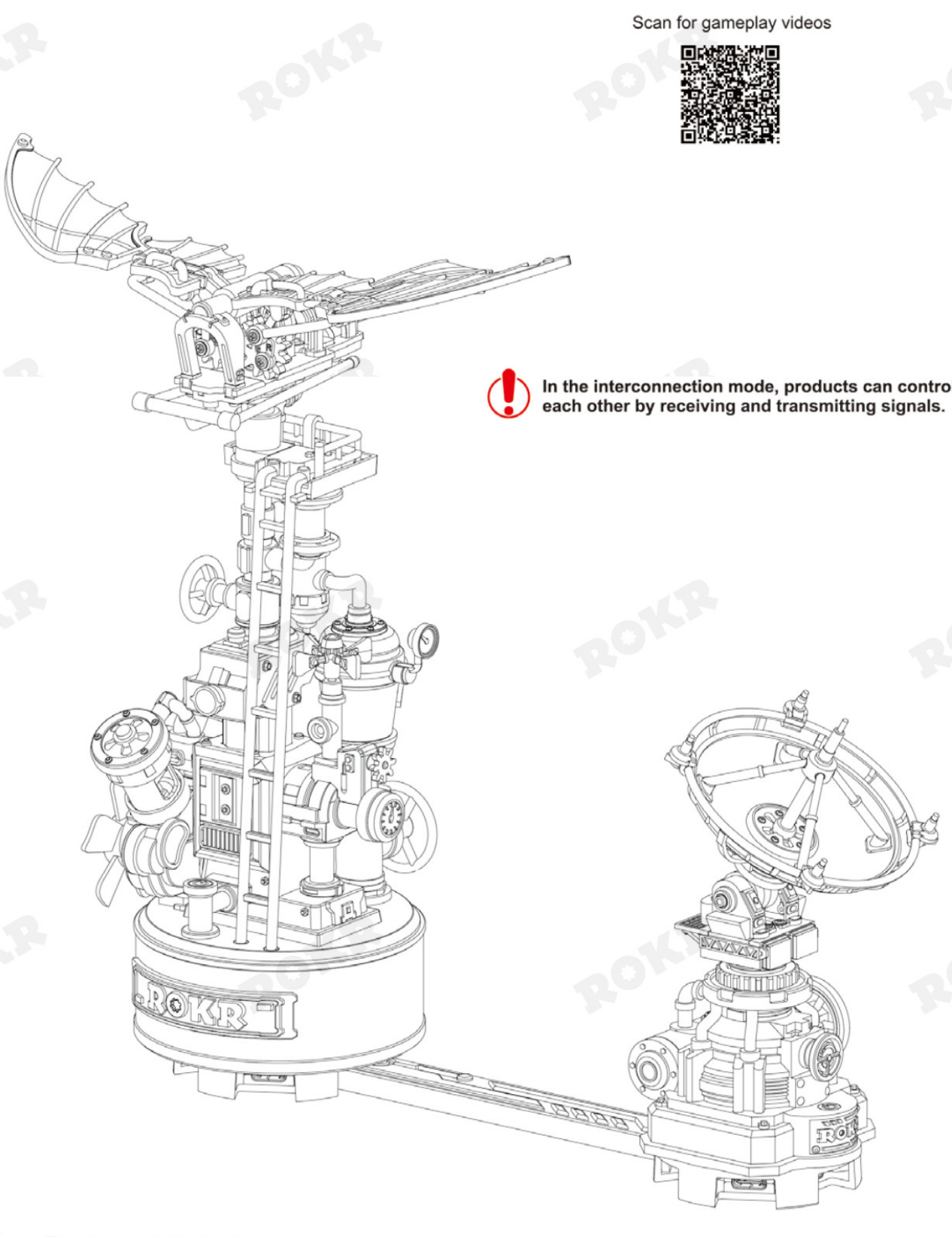
Self-prepare a Type-C cable.
Input power supply: 5V ⎓ 1A
Note: Over-current protection provided, adapters ≥ 1A are acceptable.

2. Single click: Power on (lights up and motor rotates)
3. Single click: Switch mode (lights up only, no rotation)
4. Single click: Power off (automatically shut down after 20 minutes with no operation)

Advanced Gameplay (Multiple Models Connection)

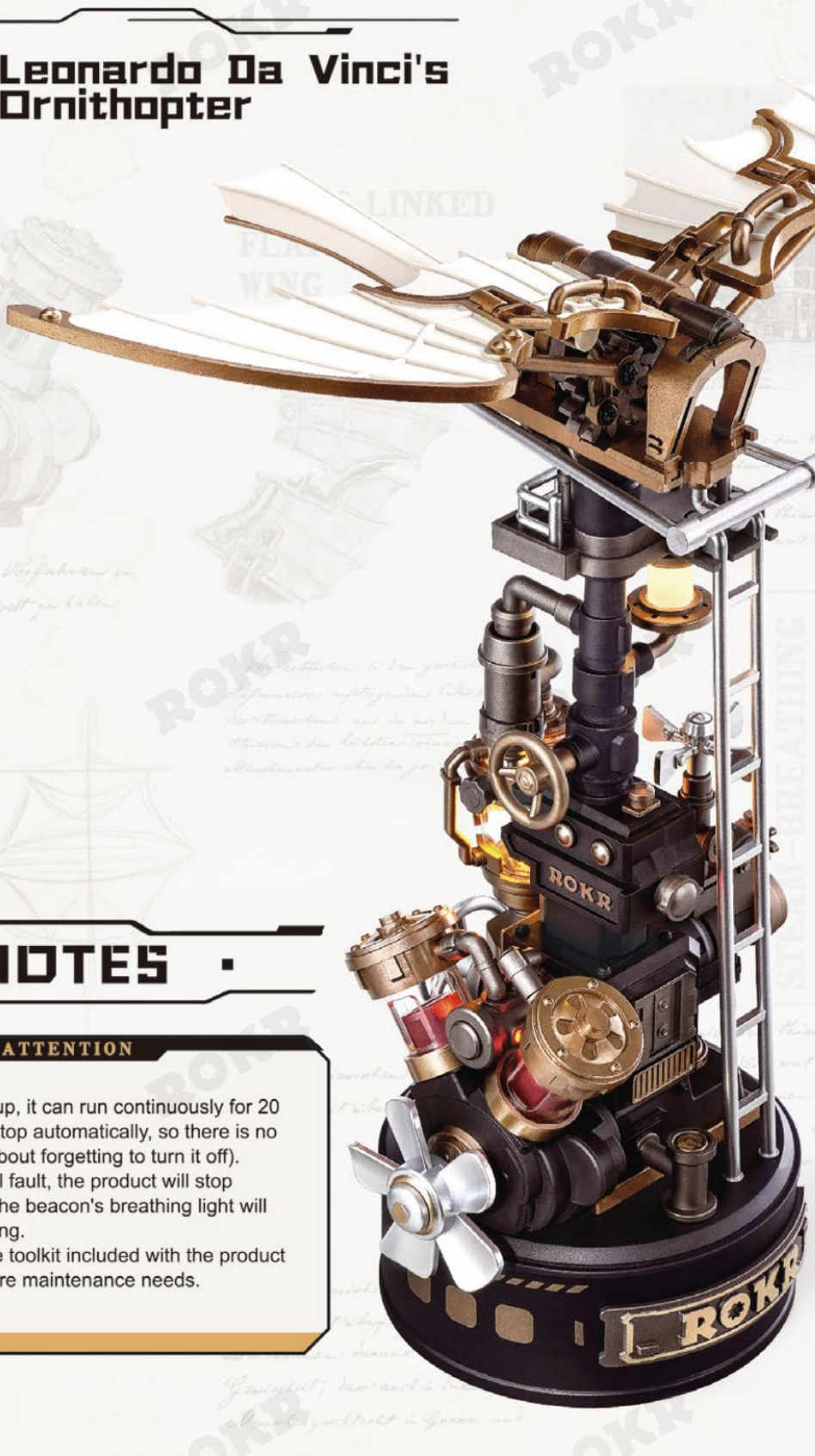
Scan for gameplay videos

In the interconnection mode, products can control each other by receiving and transmitting signals.


The other model in the picture need to be purchased separately.

MECHMIX

CGL02 Leonardo Da Vinci's Ornithopter



NOTES

ATTENTION

1. After each startup, it can run continuously for 20 minutes (it will stop automatically, so there is no need to worry about forgetting to turn it off).
2. In case of a stall fault, the product will stop operating, and the beacon's breathing light will flash as a warning.
3. Please store the toolkit included with the product properly for future maintenance needs.

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