

ROKR

CLASSIC GRAMOPHONE

LKB01

3D WOODEN PUZZLE
MECHANICAL MODELS



ASSEMBLY INSTRUCTION



WARNING:

The product is for people who **include and over 14 years old**.

Kids should assemble under the guidance of adults.

Functional sharp point and edge. Use with care. To be used under the direct supervision of an adult.

MAINTENANCE:

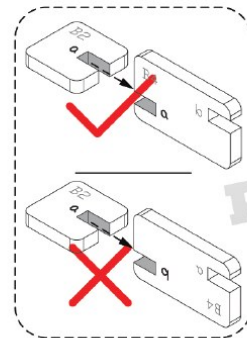
1. Keep the product away from the source of ignition and water to prevent any damage.
2. Don't use chemical reagents like alcohol, ammonia water to clean the product.
3. Use clean and soft fabric to clean the product if necessary.

ATTENTION



Product Display

1. **Take off the pieces** from the board according to each step **before assembling**, and place them properly in case of missing.
2. According to the instructions when you assemble all the pieces. **Keep properly the instructions and validated after assembly.**
3. Polish the parts with sand paper, **enhance aesthetic feeling** and gear lubrication.
4. **Repair with glue** prepared by yourself if the wooden pieces would be break.
5. There are letters on some parts as shown, **assemble them together with same letters.**
6. Scan the **QR code** with remind for assembly video.
7. There is a little different from several parts and the pictures on instruction, **subject to parts number.**
8. There are **spare parts** on wooden board.



*CUSTOMER SERVICE

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Please contact us on Facebook or email if you have any questions.

Drawing the attention of the parents to the fact that any safety isolating transformer or charging unit to be used with the toy should be regularly examined for potential hazard, such as damage to the cable or cord, plug, enclosure of other parts and that in the event of such damage, the toy must not be used until that damage had been properly removed.

FAQ:

Problem	Cause	Solution
How to solve the fracture of parts?	The parts are very precise, too hard to install.	1. Take off the parts carefully. 2. Looking for spare parts. 3. Glue the broken parts.
It's too hard to assemble the parts. My hands hurt.	1. It is difficult to install the tight fitting parts. 2. No tools were used.	1. Check if there are assembly errors. 2. Press the parts with tool i5. 3. Wax the parts.

P1-P20 parts are in plastic bag 3-1, P21-P50 parts are in plastic bag 3-2. The parts which with the gray background are in the other bags.

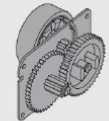
Parts List Suggest to put all the parts in a box to prevent loss.

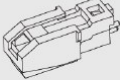
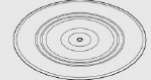
Item	Shaft Sleeve	Shaft Sleeve	Steel Shaft	Steel Shaft	Steel Shaft	Steel Shaft	Steel Shaft	Wax	Screwdriver	Screw
Number	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Illustration										
Quantity	22	2	4	8	2	2	3	1	1	23

Item	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Hand Screw	Plug
Number	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
Illustration										
Quantity	6	23	27	11	2	1	2	3	1	4

Item	Eyelet	Wooden Stick	Ratchet Wheel	Ratchet	Spring	Steel Ball	O-ring	O-ring	O-ring	O-ring
Number	P21	P22	P23	P24	P25	P26	P27	P28	P29	P30
Illustration										
Quantity	4	1	1	3	3	3	3	8	1	1

*Due to customs policy in international shipping, the wax and glue may not be included. Please prepare them yourself.

Item	O-ring	O-ring	Iron Gasket	Antiskid Tube	Limit Speed Adjustment Turntable	Bearing	Bearing	Control Box	Potentiometer Knob	Motor
Number	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40
Illustration										
Quantity	1	1	1	1	1	3	1	1	1	1

Item	Hexagon Nut	Square Nut	Long Beads	Wire	Turntable Column	Gramophone Arm	Pickup	Horn	Antiskid Mat	Gramophone Record
Number	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
Illustration										
Quantity	3	3	1	1	1	1	1	1	1	1



Ensure the connection of gears smoothly



Polish the parts with sandpaper



Perspective changed



Wax the gray parts with remind



Ensure the parts running smoothly



Assemble the parts symmetrically



Special attention in assembly



Step 1



Printed side



Complete 2 same parts

Tool

D2

D3

D4

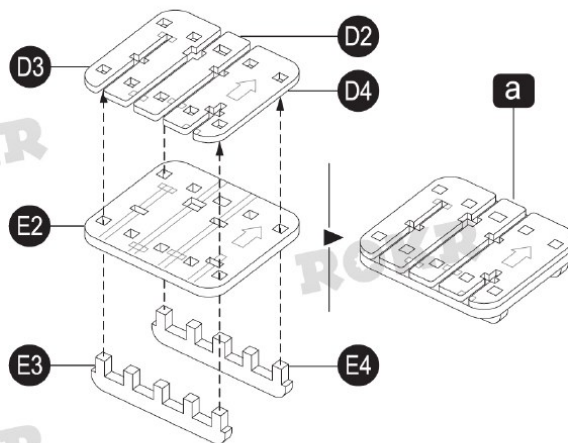
E2

E3

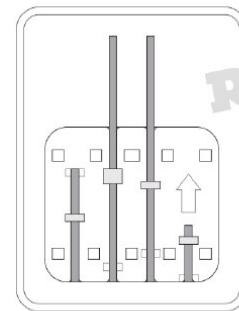
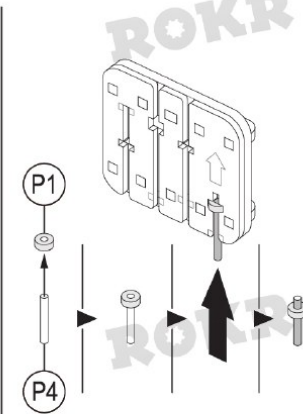
E4

P1

P4



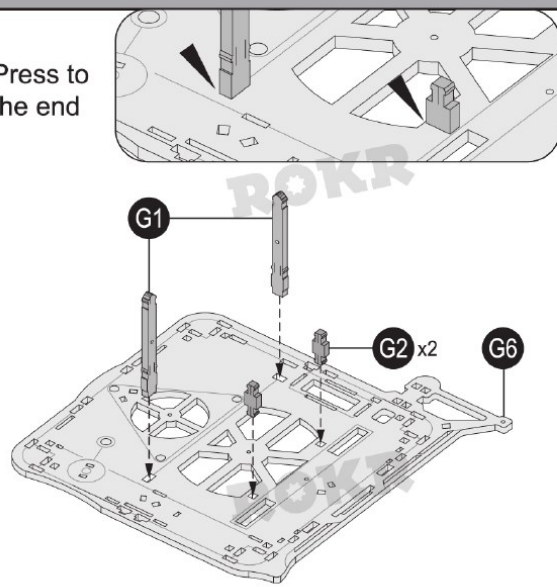
For example:



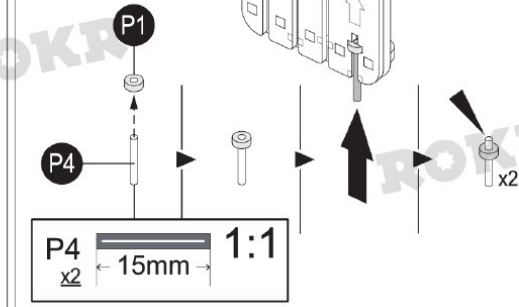
1

A2 x2
G1 x2
G2 x2
G6
G7
G8
P1 x2
P4 x2

Press to the end

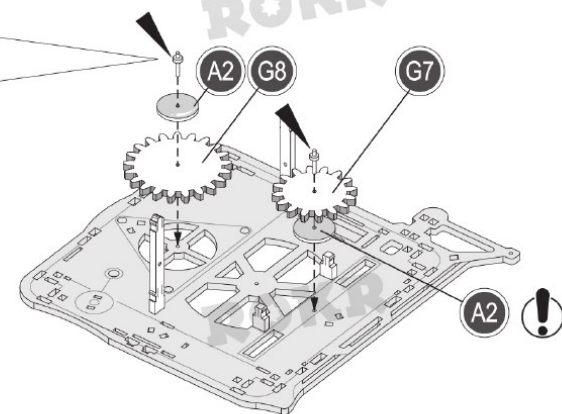


Refer to page 3

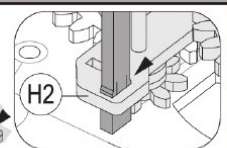
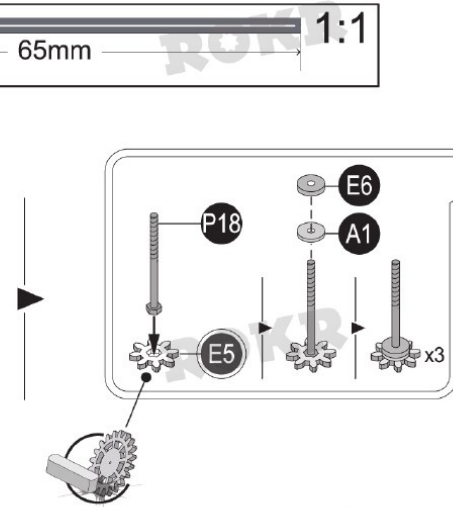
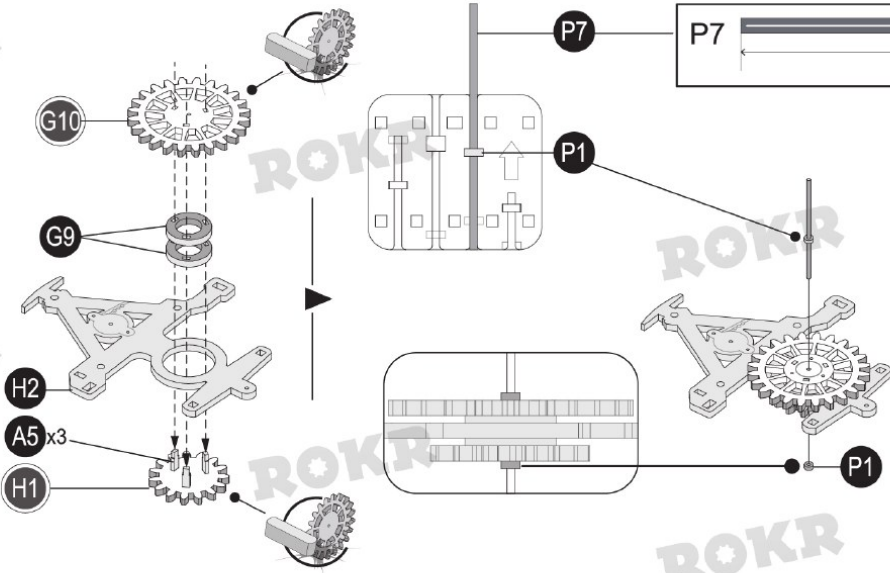
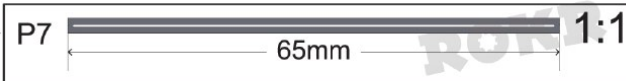


Wax the gray parts with remind

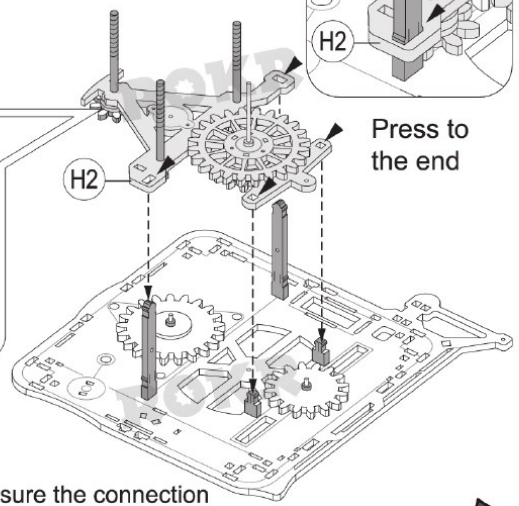
A2 G7 G8



A1 x3
A5 x3
E5 x3
E6 x3
G9 x2
G10
H1
H2
P1 x2
P7
P18 x3



Press to the end



Ensure the connection of gears smoothly

A3

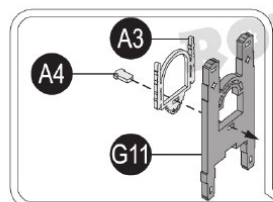
A4

E7 x2

G11

P13 x2

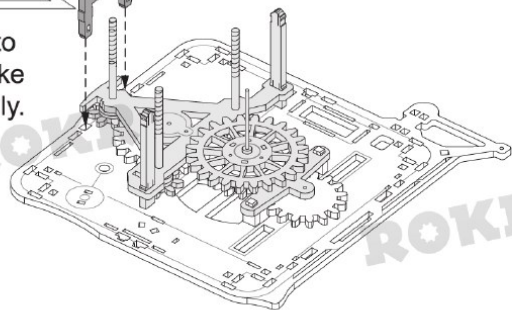
P21



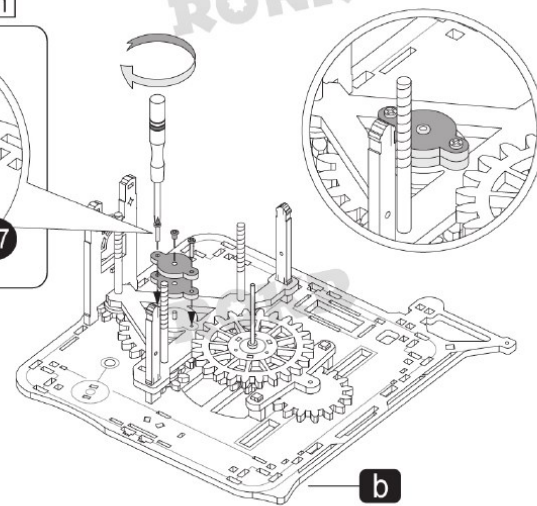
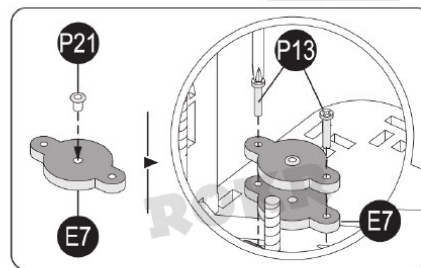
Blank side



A3 is easy to damage, take it off carefully.



P13, 10mm



2

A6

A24 x4

A25 x2

H6

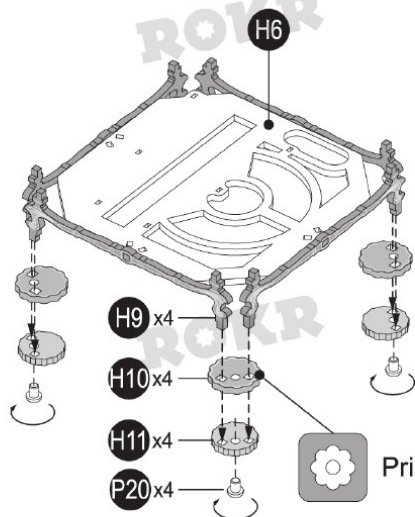
H7 x6

H9 x4

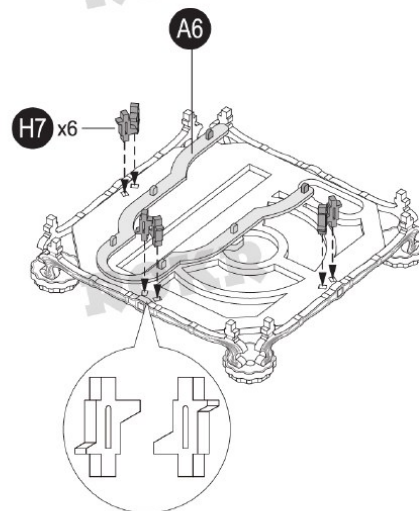
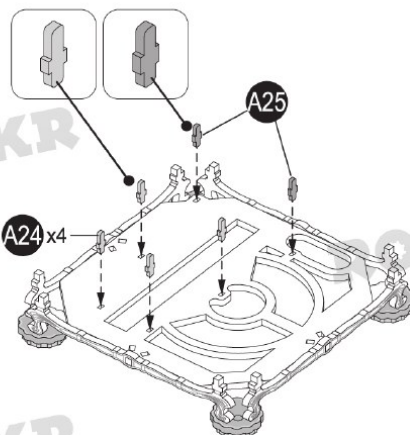
H10 x4

H11 x4

P20 x4



Printed side



A8 x2

A18

E8 x2

E17

E18

E19

E20

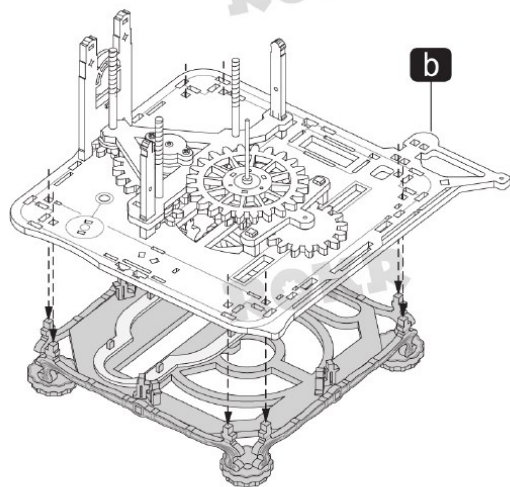
E21

E22

E23

E24

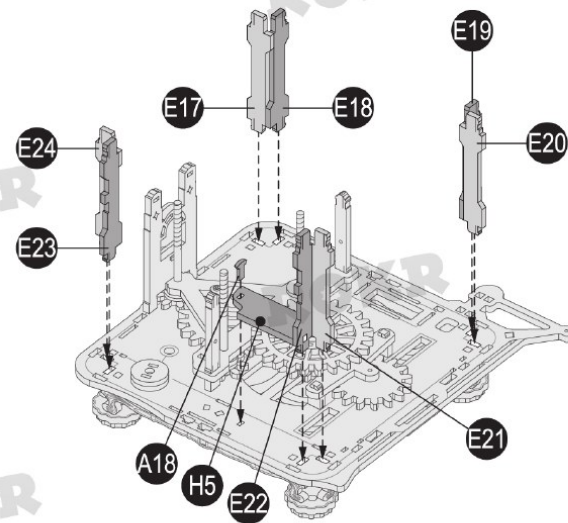
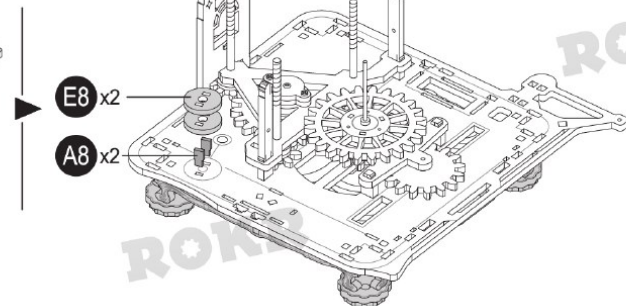
H5



b

E8 x2

A8 x2



A12 x3

F2

F3

G3

G4

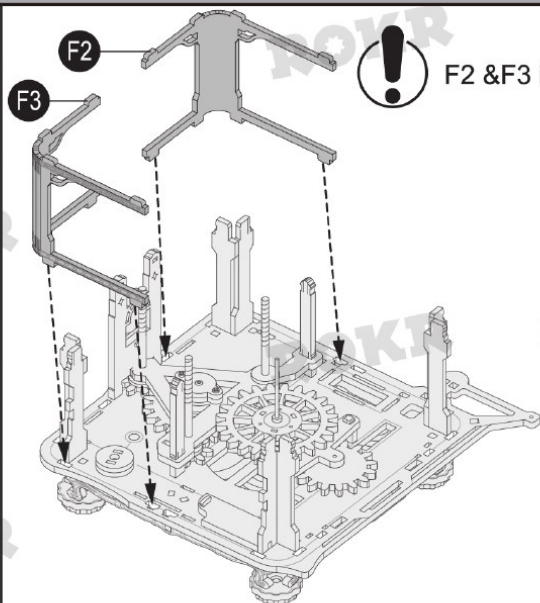
G5 x2

G12 x2

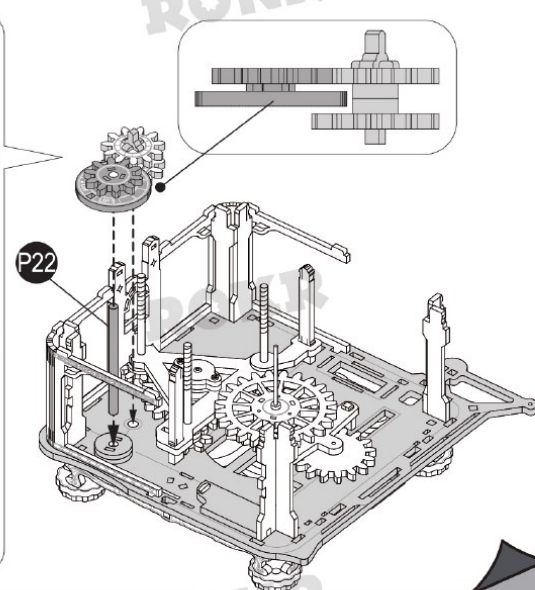
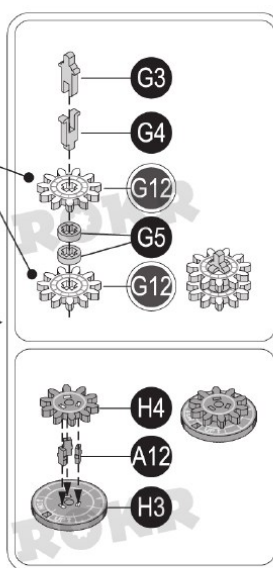
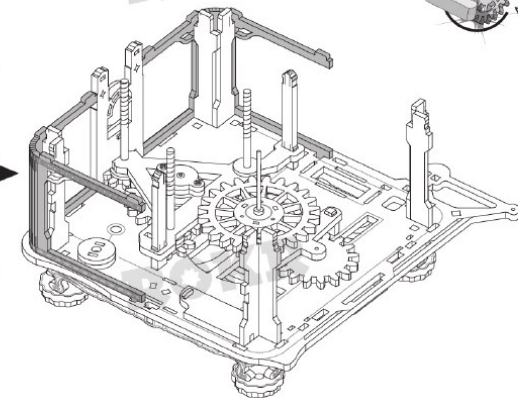
H3

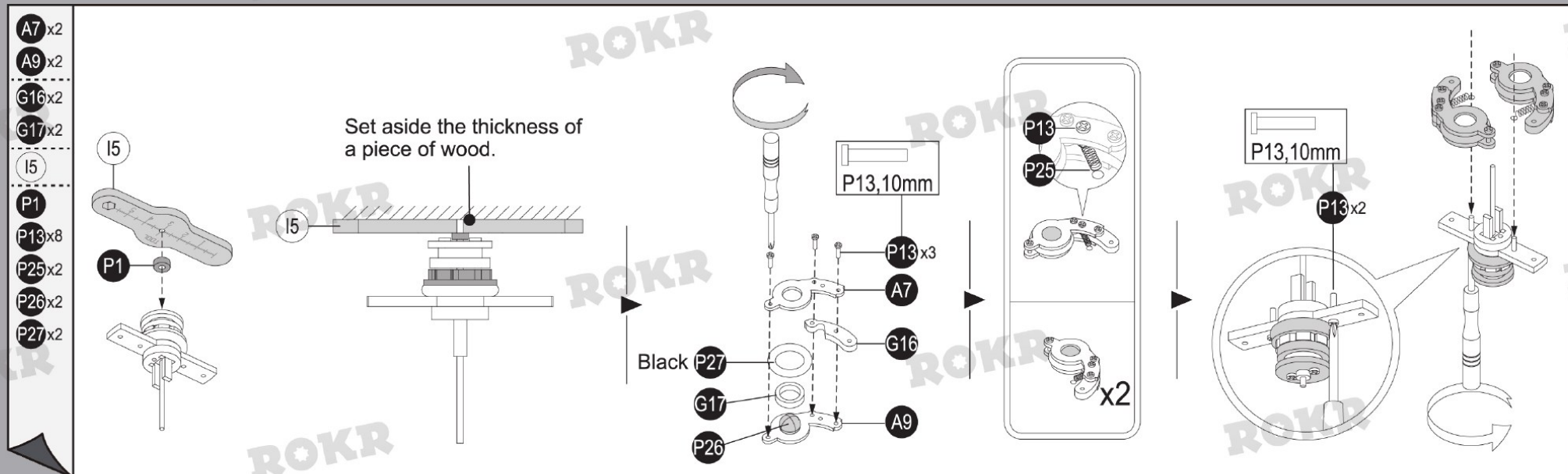
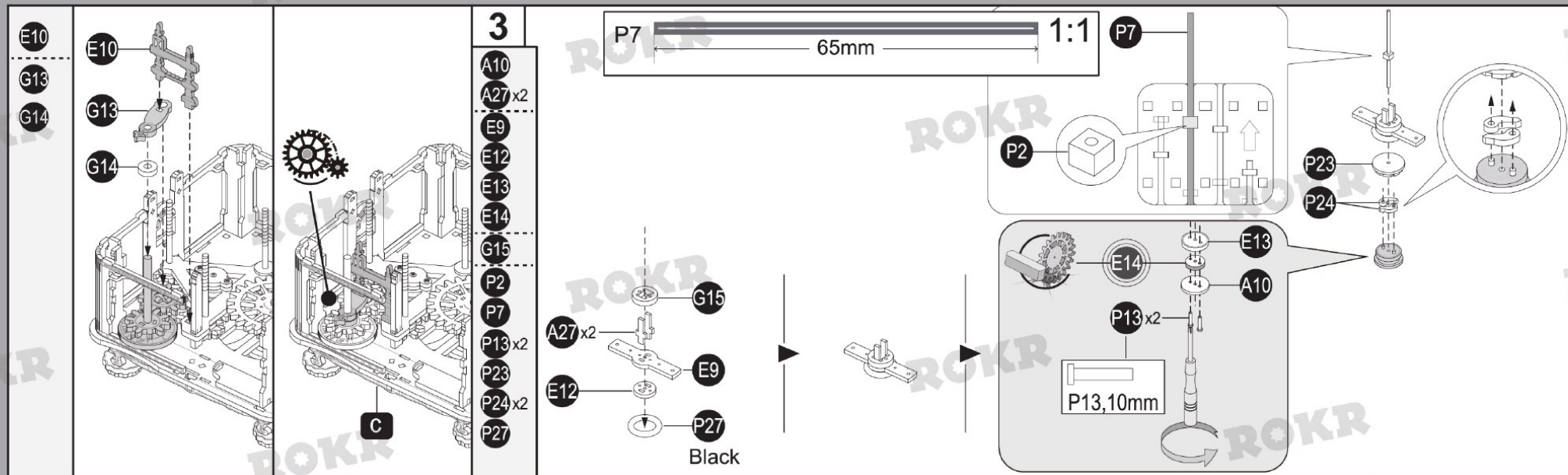
H4

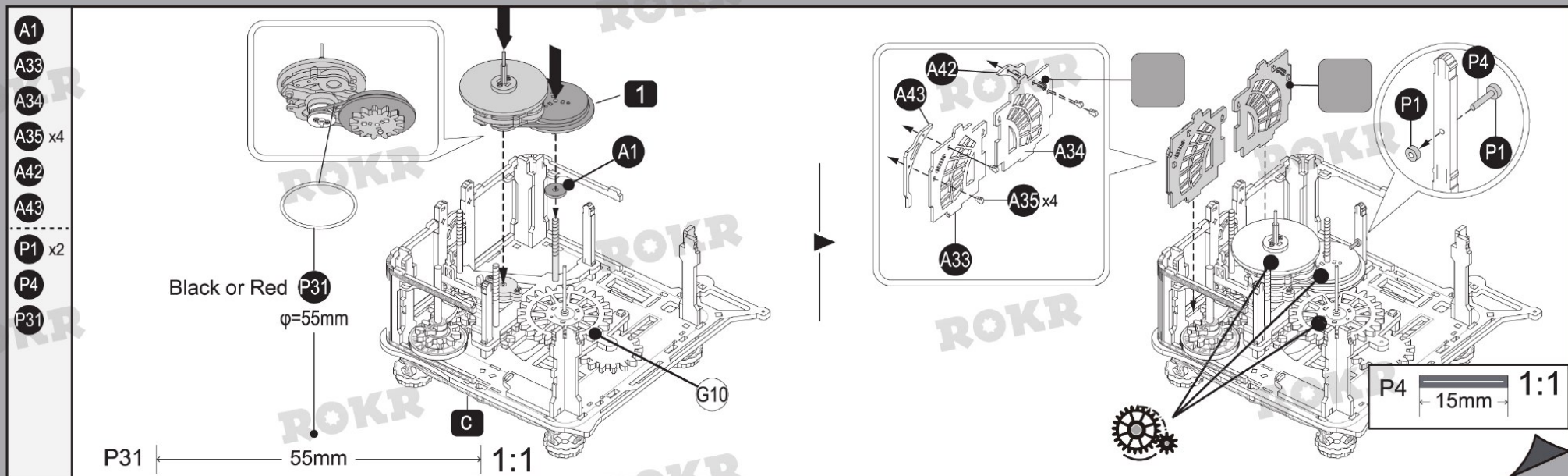
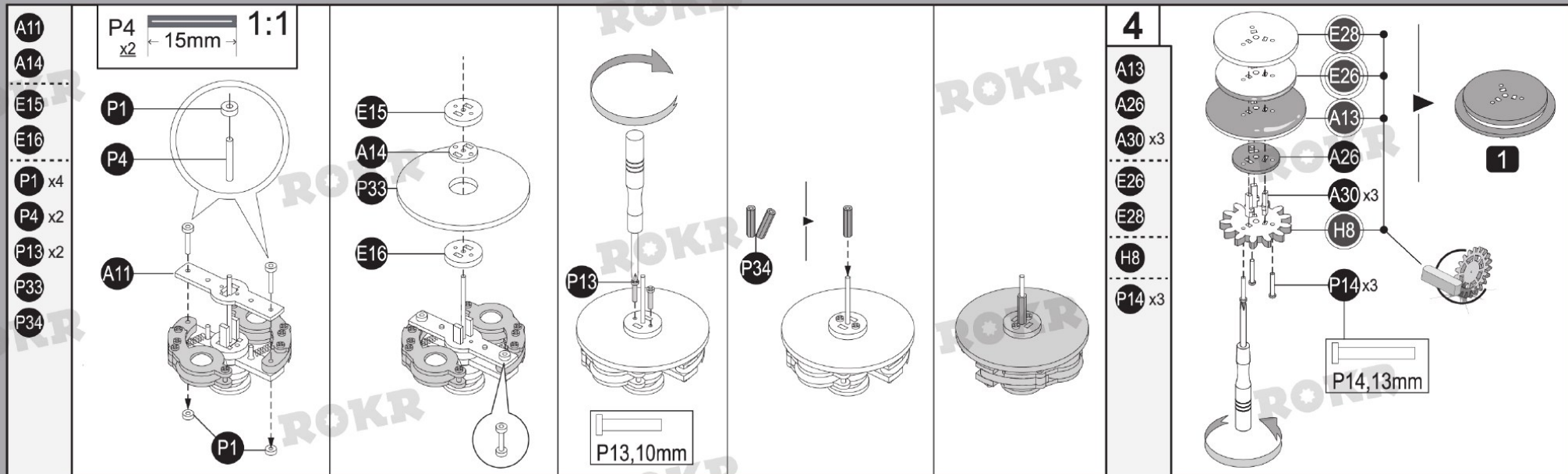
P22



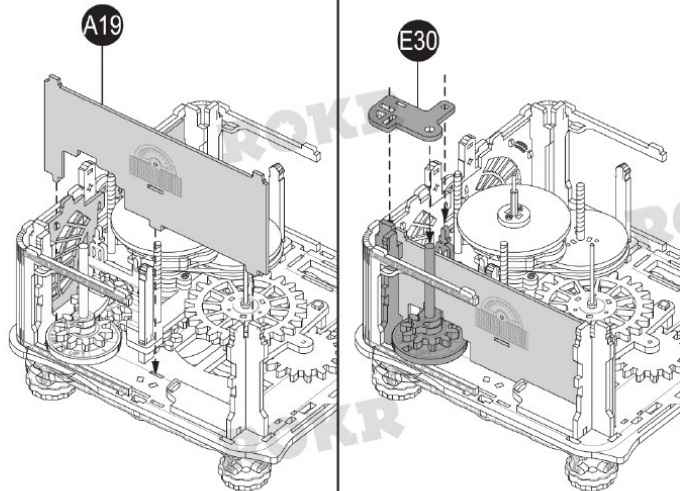
F2 & F3 is easy to damage, take them off carefully.



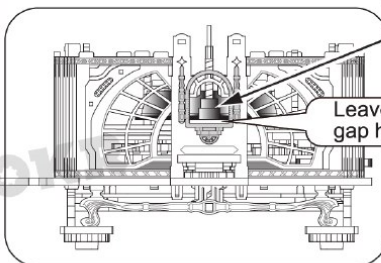




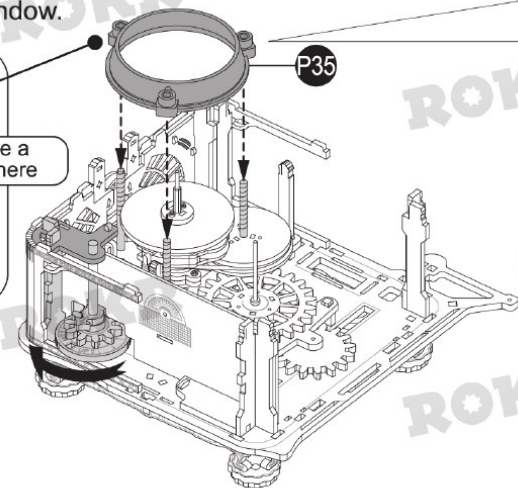
A19
E30
P35



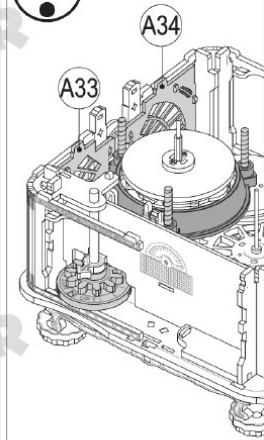
Insert the limit speed adjustment turntable to the three screw holes and press it down. Rotate the turntable and let the speed adjustment turntable down to the window.



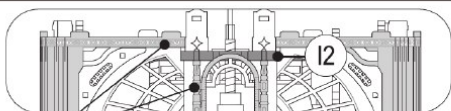
Scan to watch



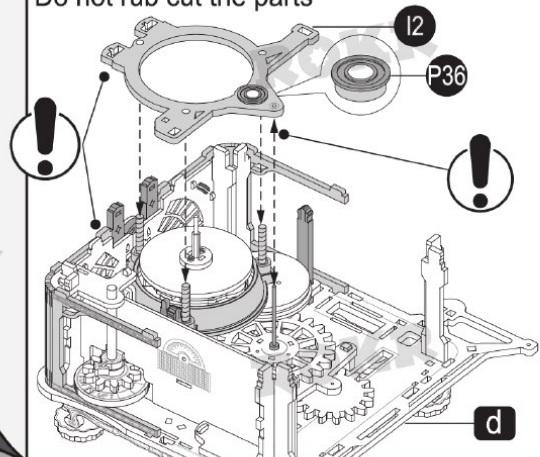
Do not rub cut A33 and A34



I2
P36

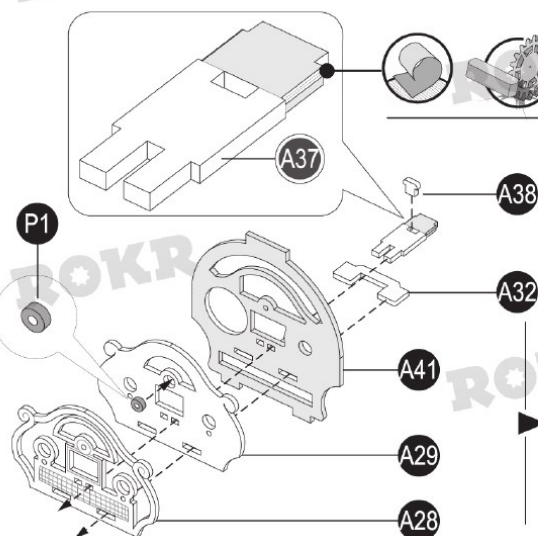


Do not rub cut the parts

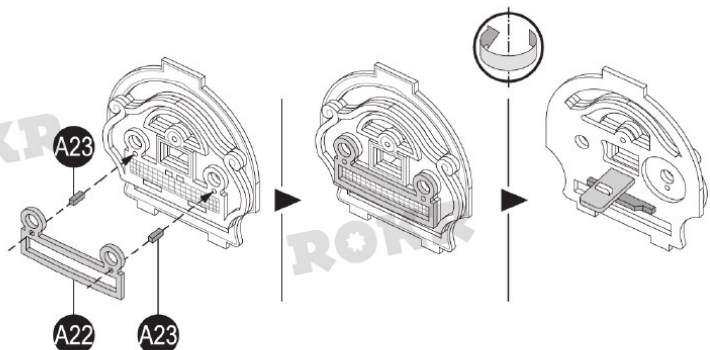


5

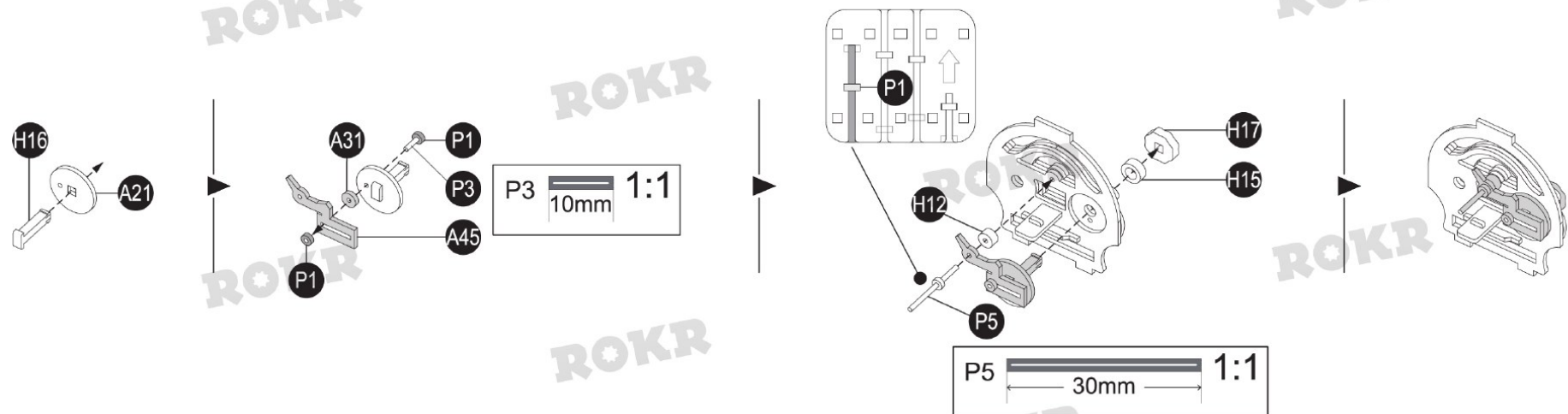
A22
A23 x2
A28
A29
A32
A37
A38
A41
P1



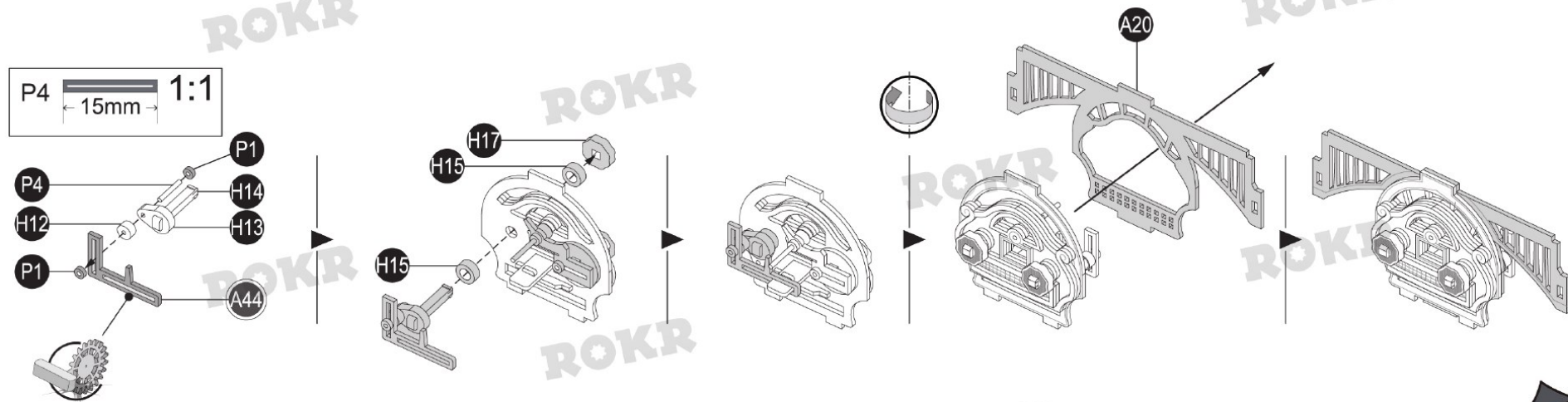
A37 Grinding off edges of the gray part and wax it.



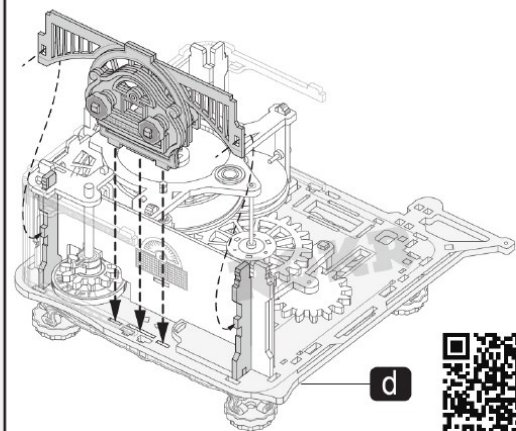
A21
A31
A45
H12
H15
H16
H17
P1 x3
P3
P5



A20
A44
H12
H13
H14
H15 x2
H17
P1 x2
P4



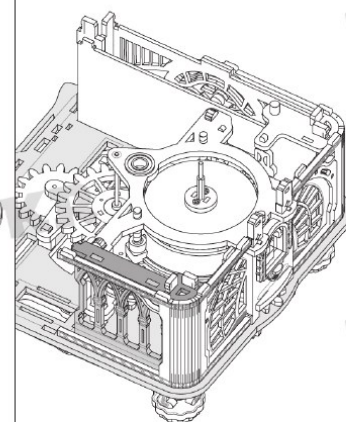
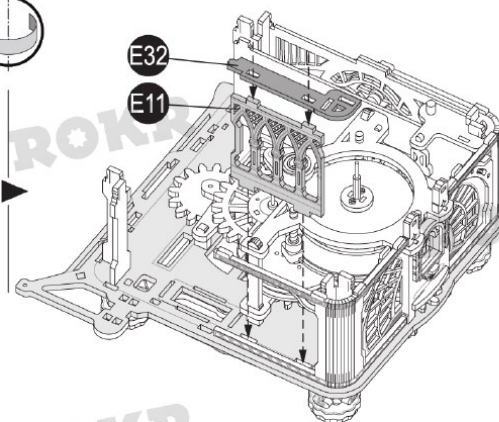
E11
E32



Scan to watch



The steel shaft should not be higher than the board (I2).



A36

B1

B2

B4

B5

B6

B7

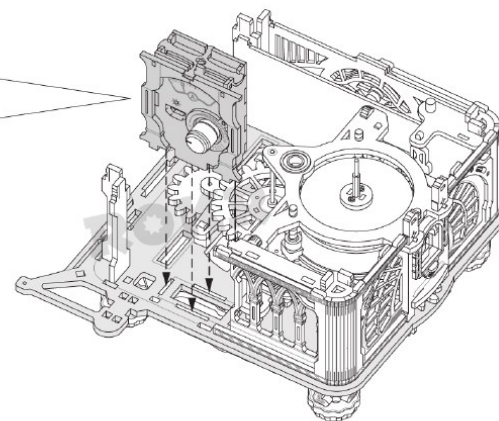
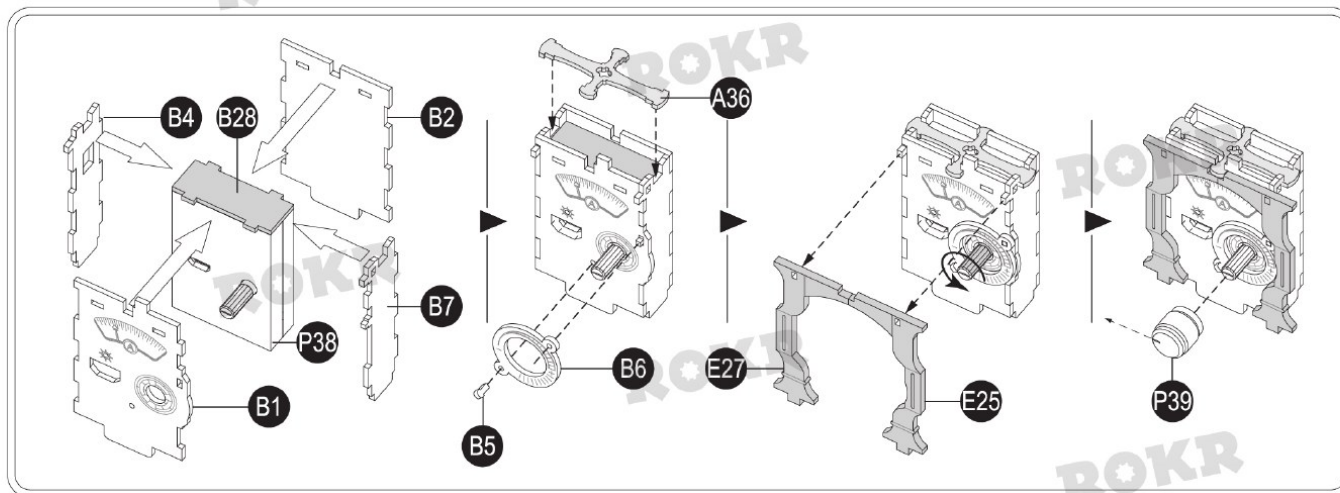
B28

E25

E27

P38

P39



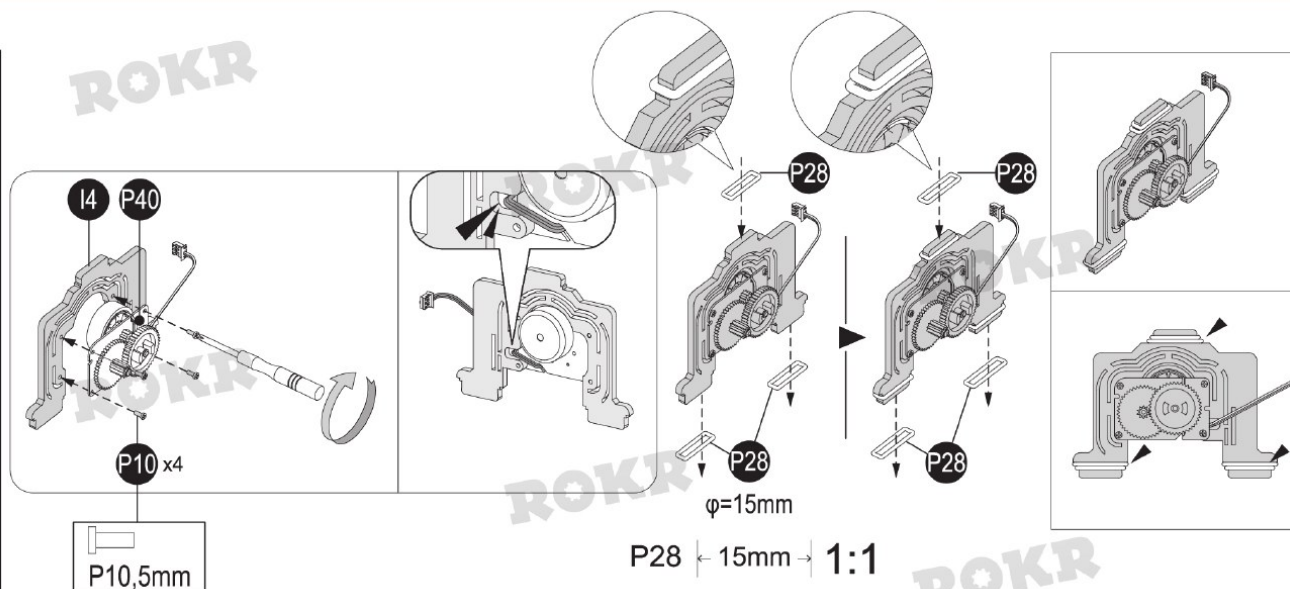
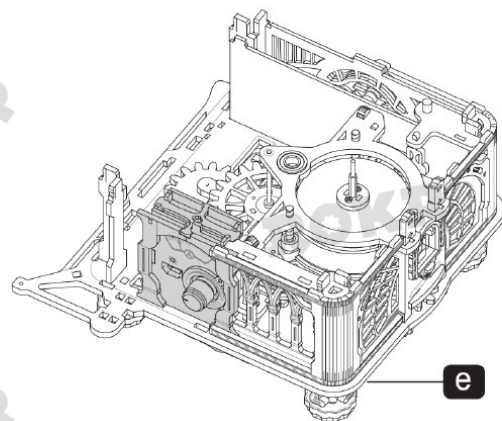
6

I4

P10 x4

P28 x6

P40



A15

A16

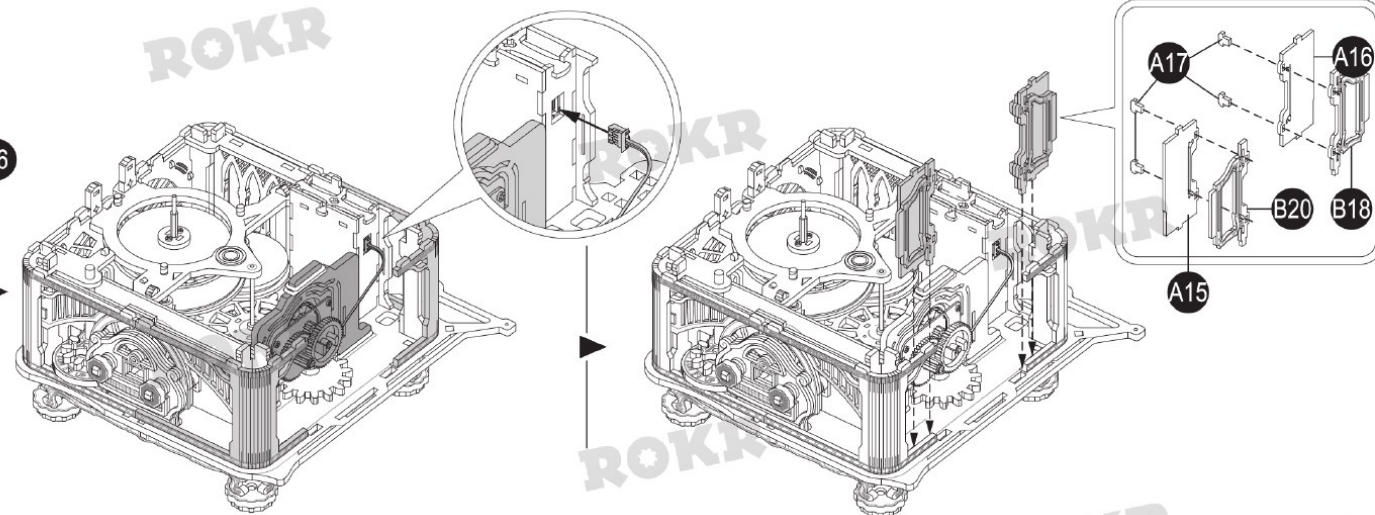
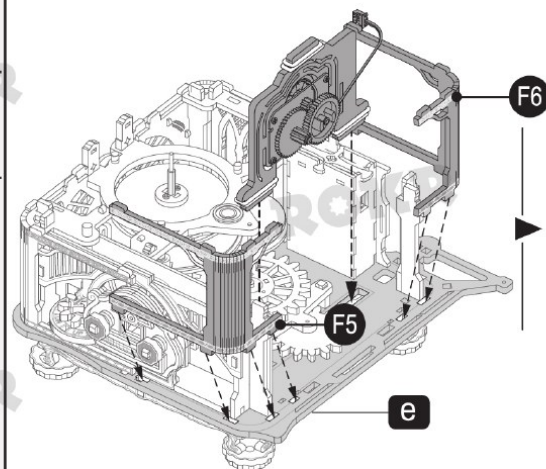
A17 x4

B18

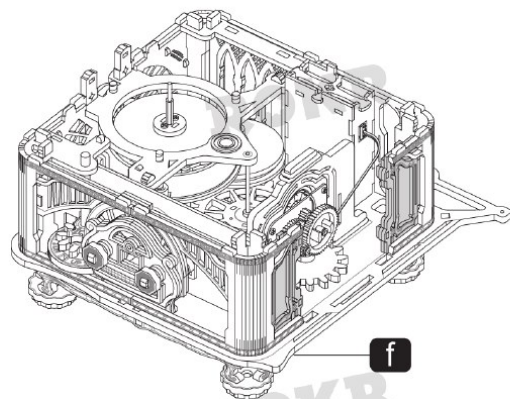
B20

F5

F6



7



B30

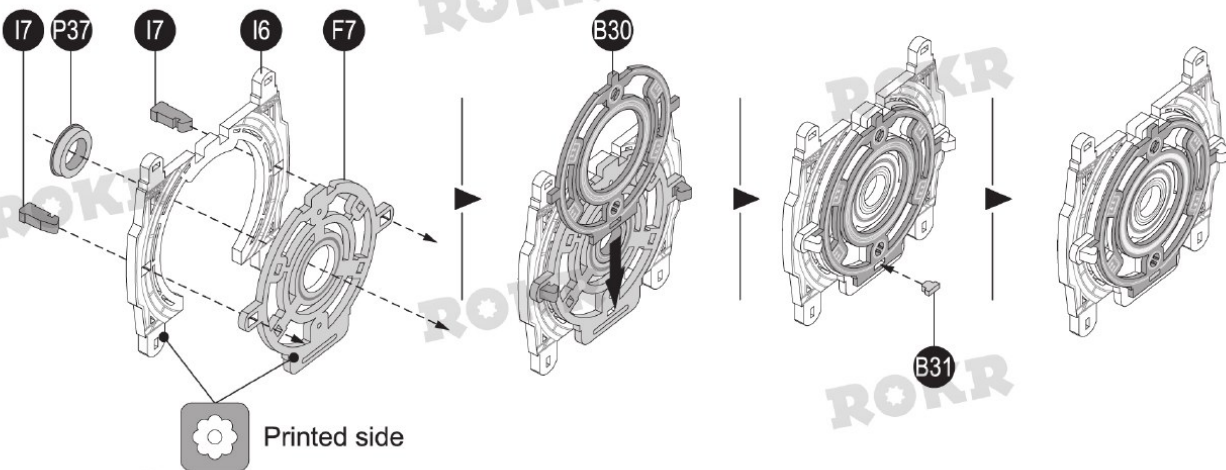
B31

F7

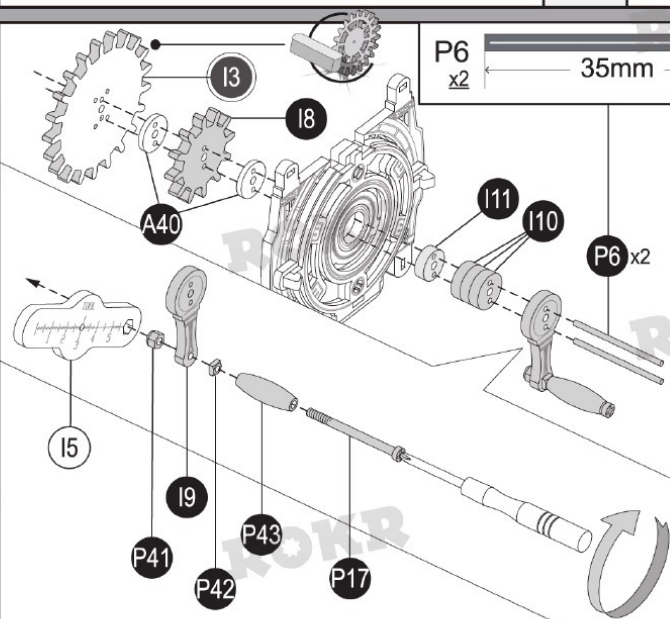
I6

I7 x2

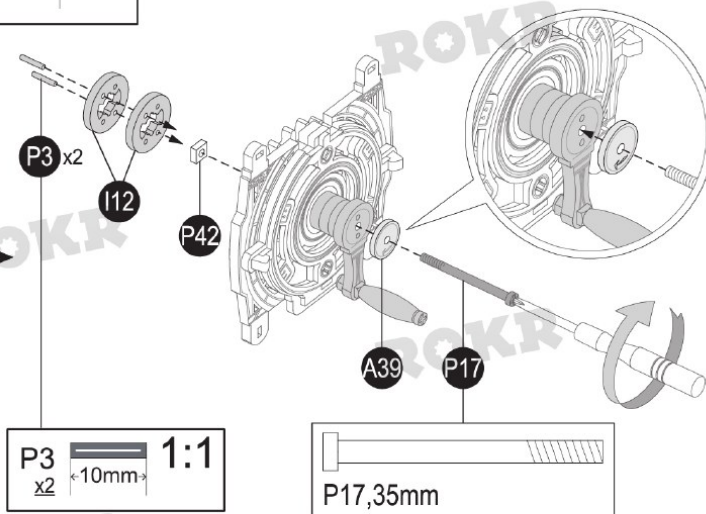
P37



A39
 A40 x2
 I3 I5
 I8 I9
 I10 x3
 I11
 I12 x2
 I13
 P3 x2
 P6 x2
 P17 x2
 P41 P43
 P42 x2

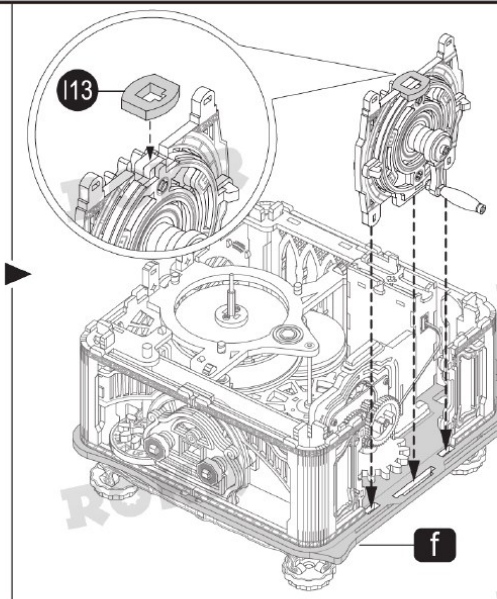


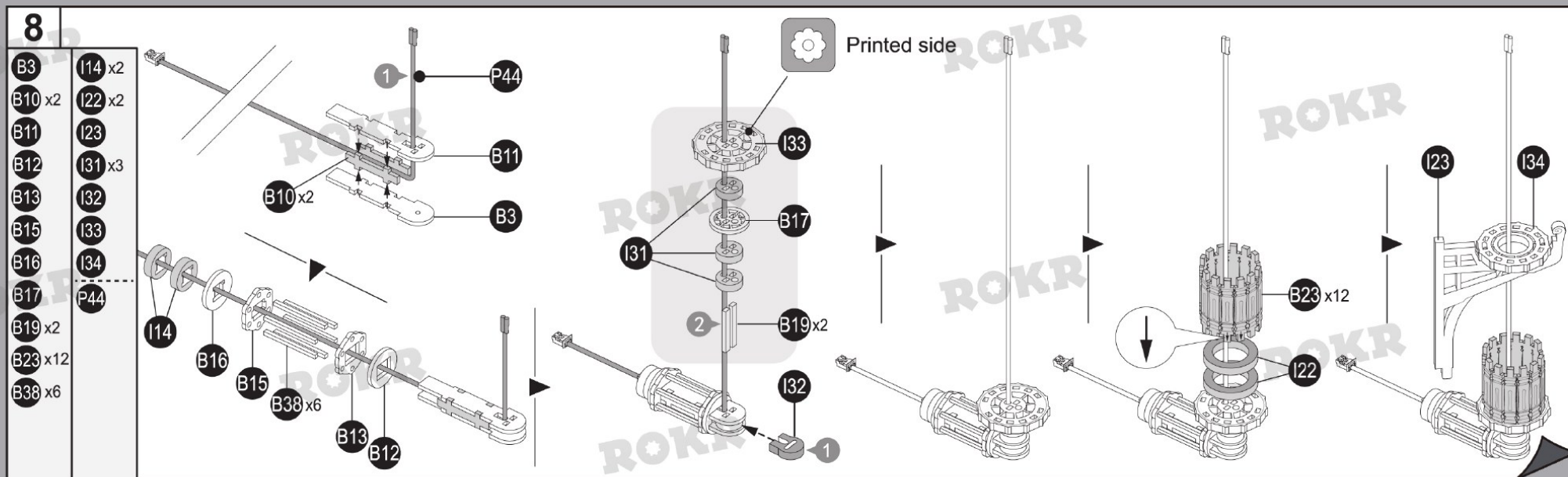
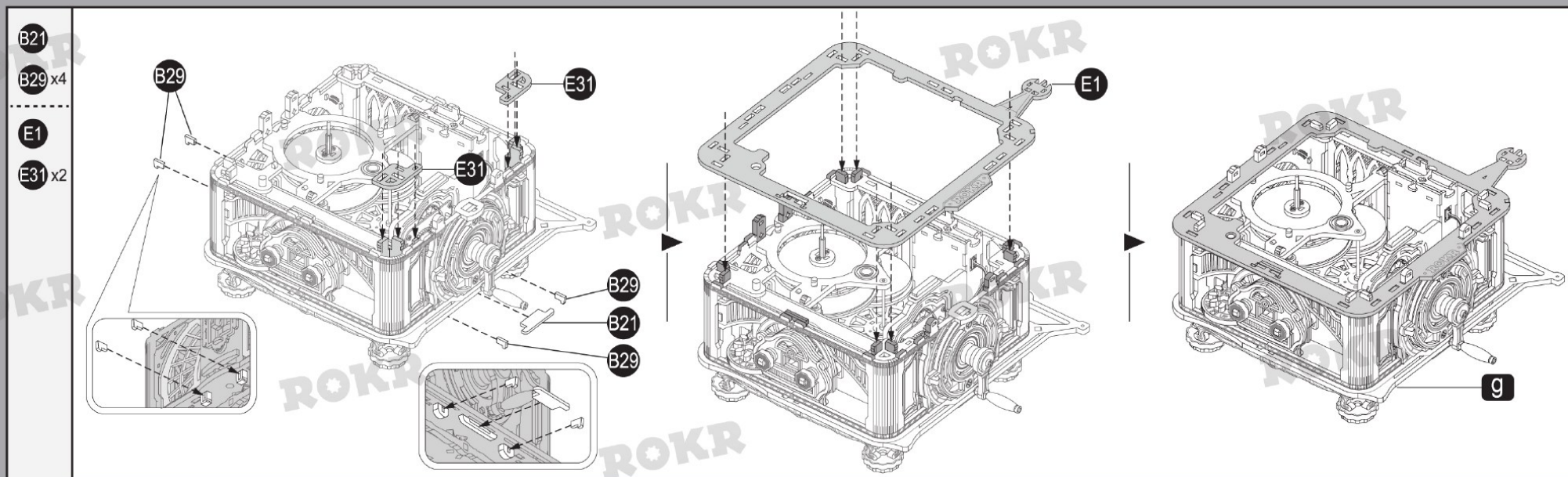
P6 x2
 35mm
 1:1



P3 x2
 10mm
 1:1

P17, 35mm

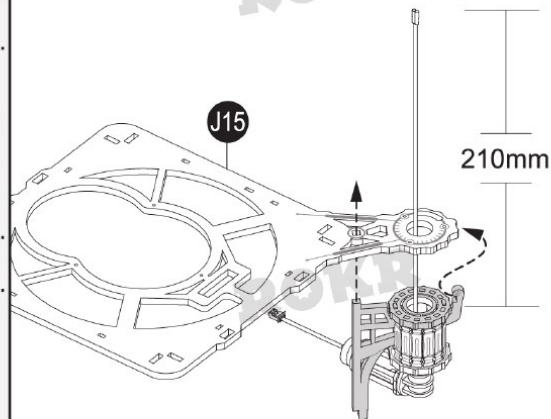




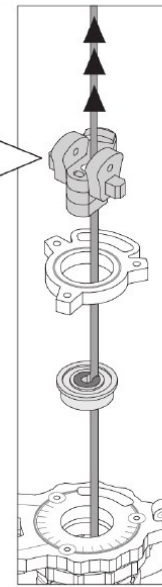
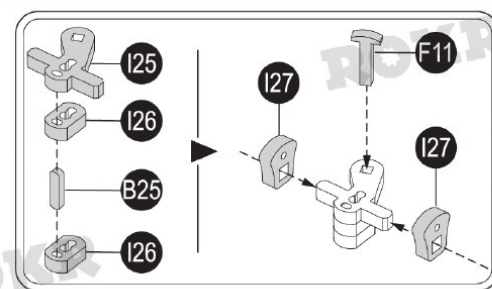
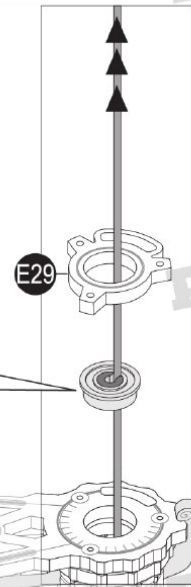
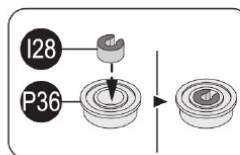
210mm

1:1

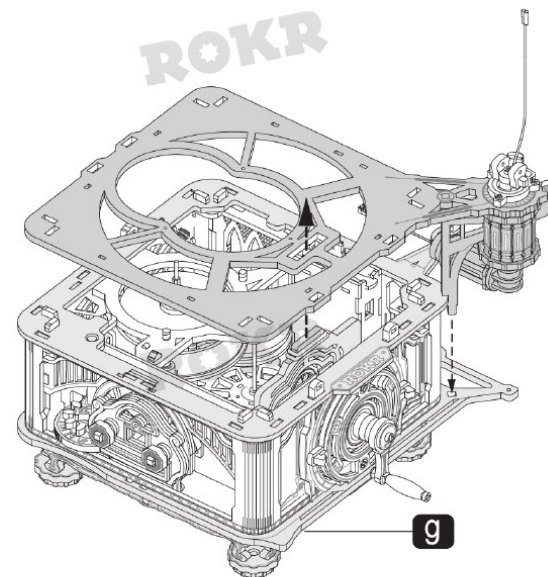
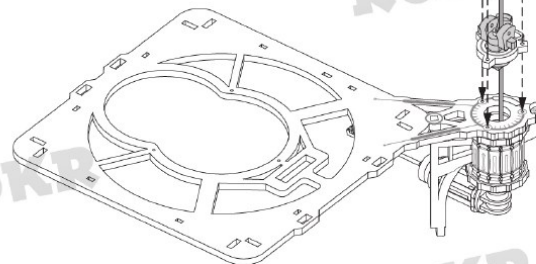
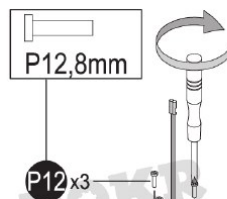
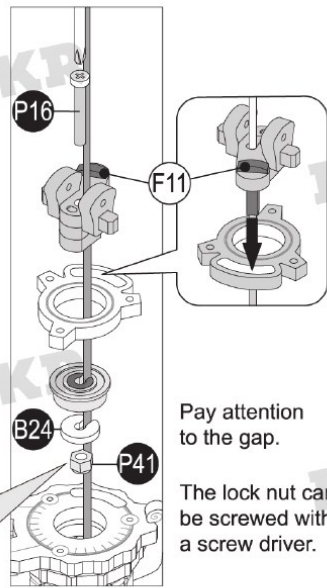
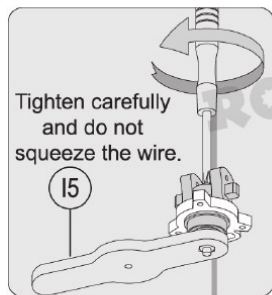
B25
E29
F11
I25
I26 x2
I27 x2
I28
J15
P36



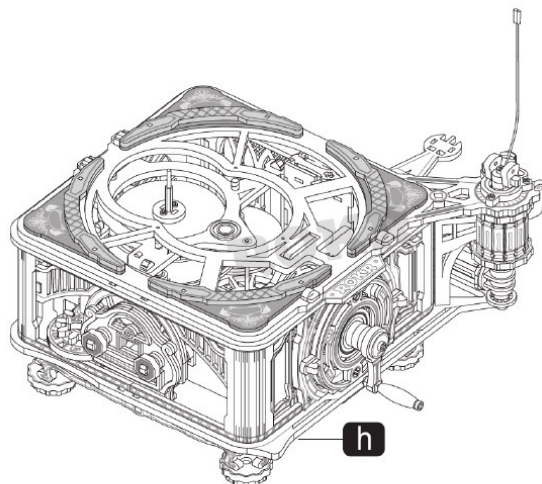
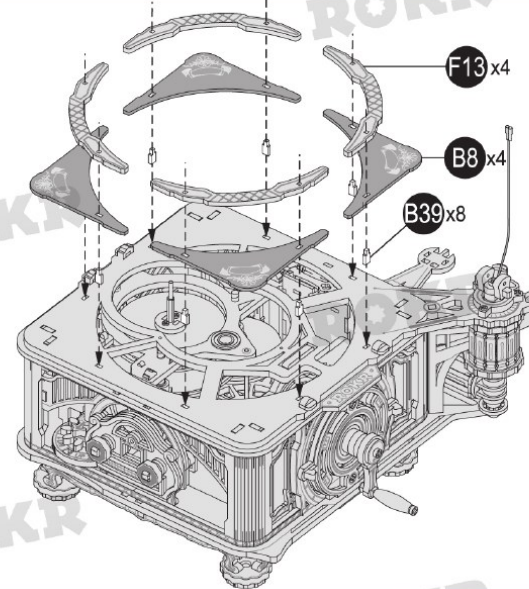
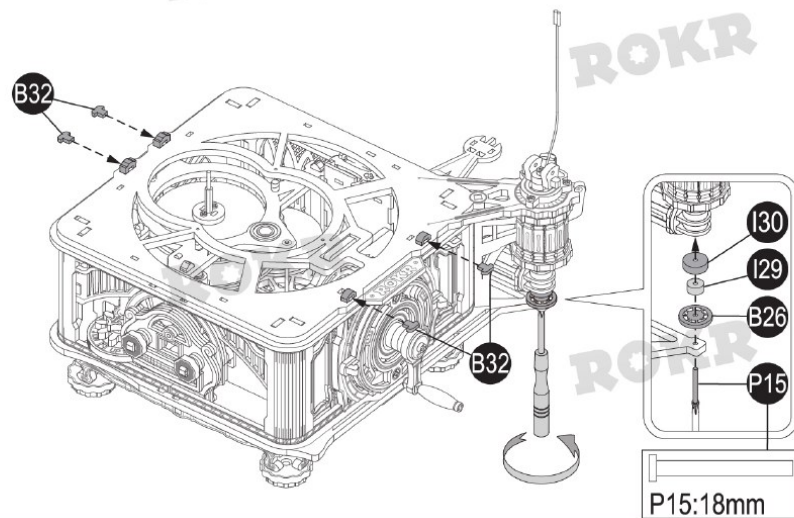
Scan to watch



B24
I5
P12 x3
P16
P41

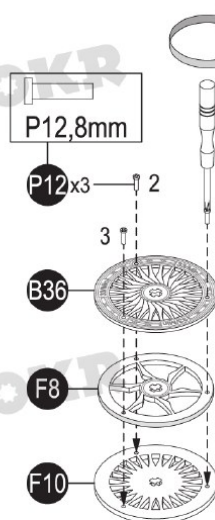


B8 x4
B26
B32 x4
B39 x8
F13 x4
I29
I30
P15



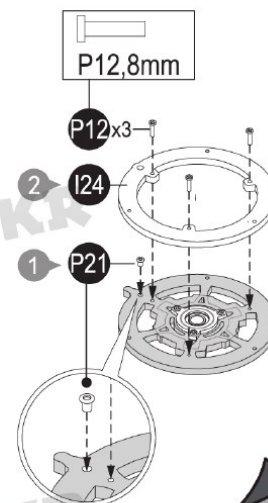
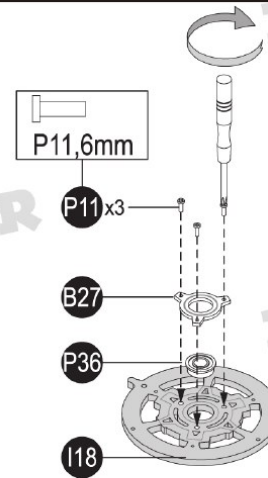
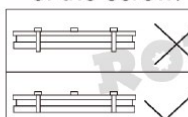
9

B27
B36
F8
F10
I18
I24
P11 x3
P12 x6
P21
P36



Connect the three pieces of board (B36, F8, F10) with the same No.(1, 2, 3) of the screw holes.

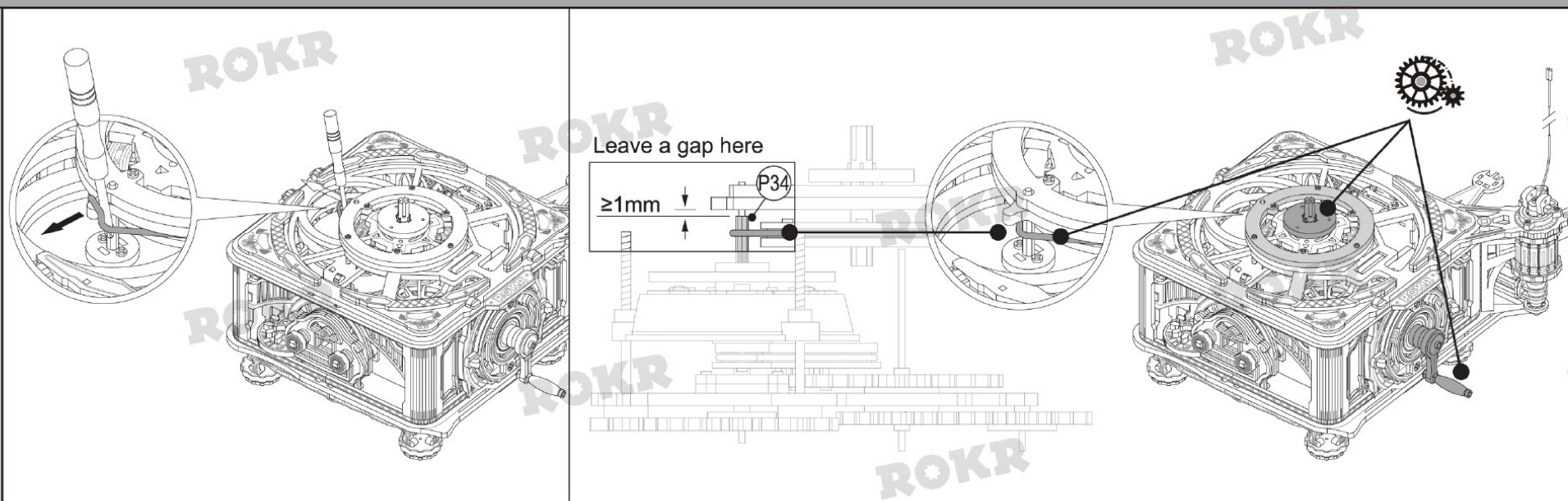
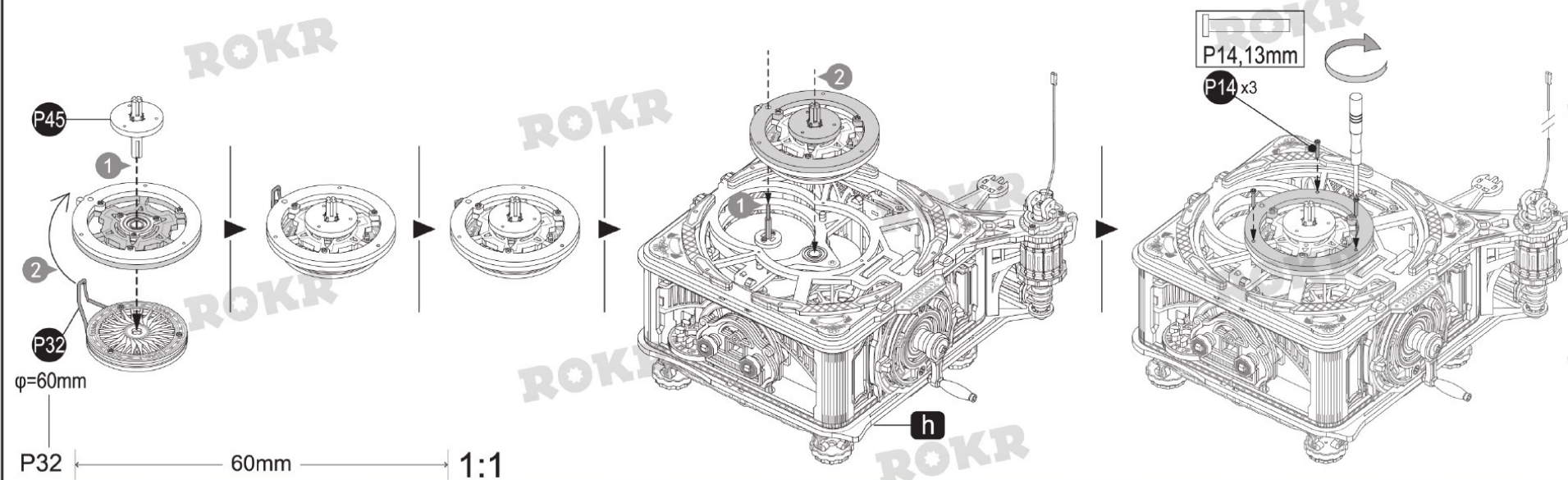
Do not screw out the head of the screw.



P14 x3

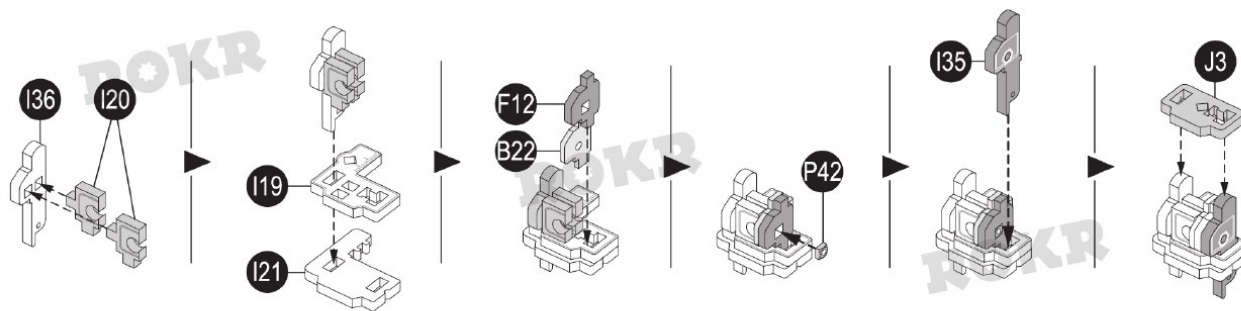
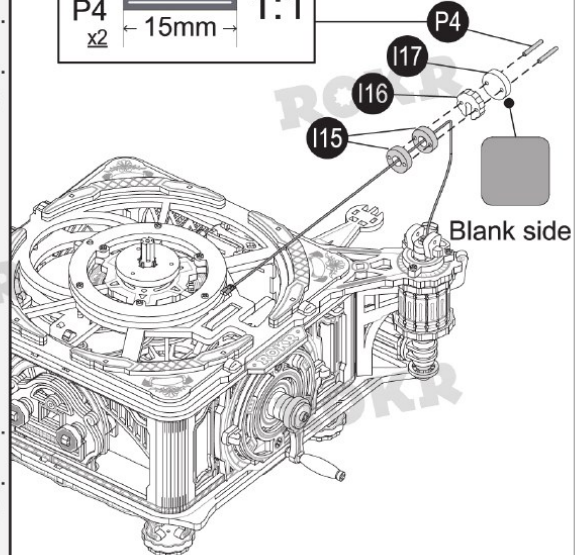
P32

P45

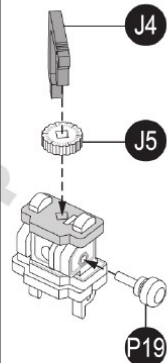


B22
F12
I15 x2
I16
I17
I19
I20 x2
I21
I35
I36
J3
P4 x2
P42

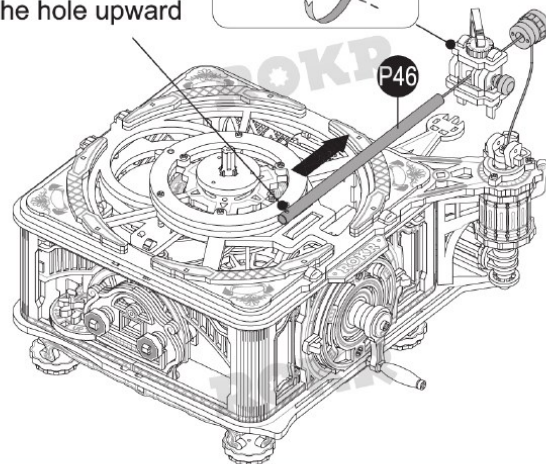
P4 $\frac{1}{x2}$ 15mm 1:1



J4
J5
P1 x2
P5
P19
P46

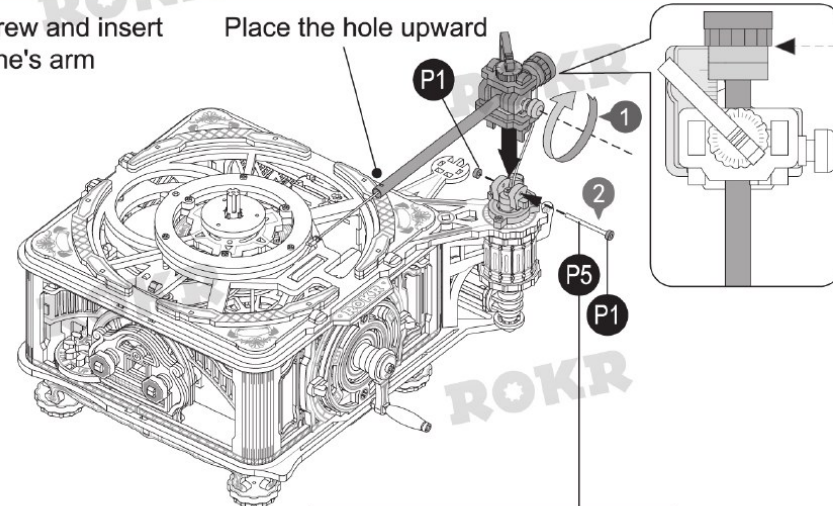


Place the hole upward

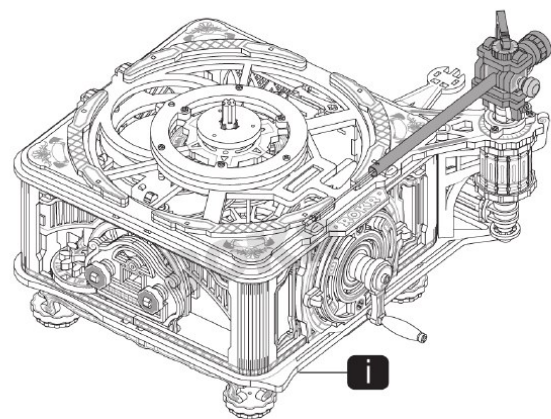


Loosen the screw and insert the gramophone's arm

Place the hole upward



P5 30mm 1:1



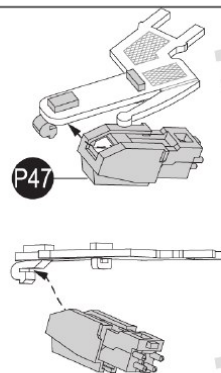
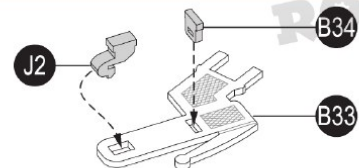
10

B33

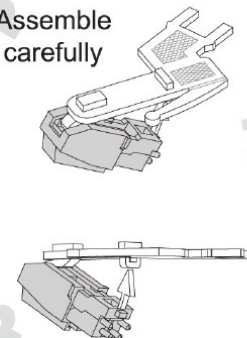
B34

J2

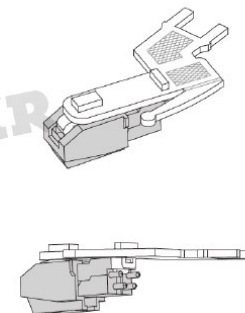
P47



Assemble
carefully



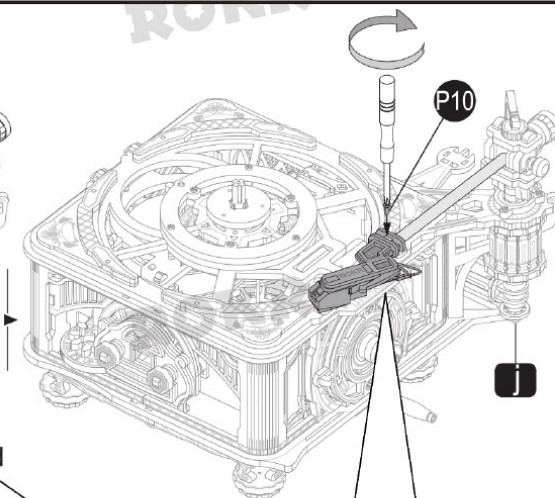
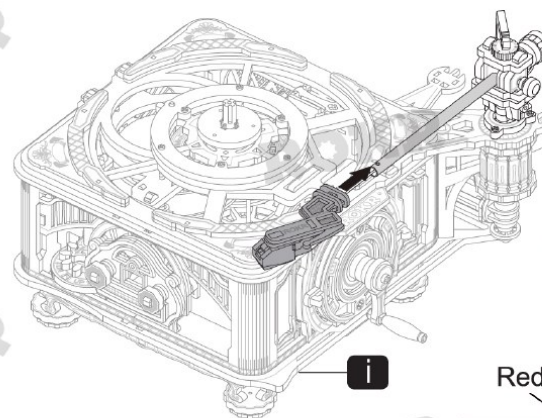
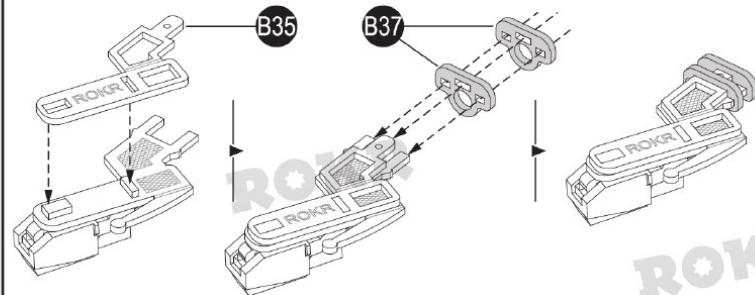
There are spare parts
of boards C & D.



B35

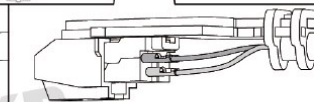
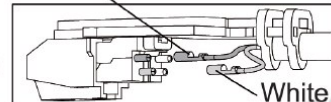
B37 x2

P10



Red

White



11

D5

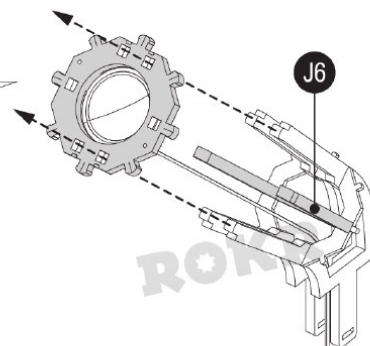
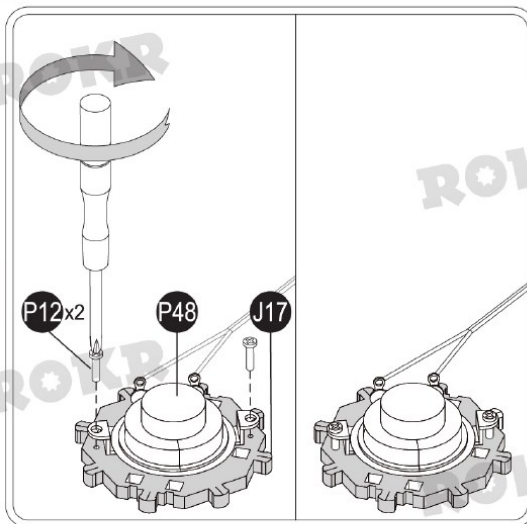
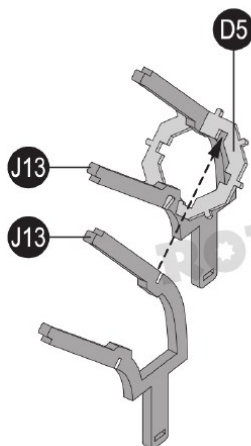
J6

J13 x2

J17

P12 x2

P48

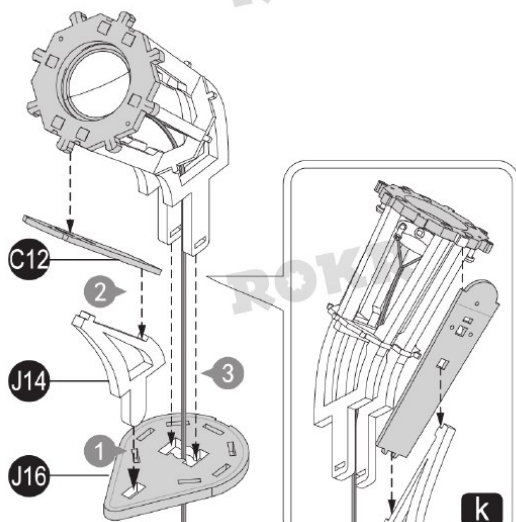


Pay attention to check whether the horn is damaged or the solder joint falls off.

C12

J14

J16



12

C1 x2

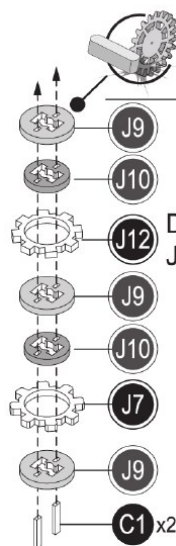
J7

J9 x3

J10 x2

J12

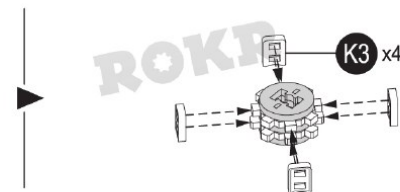
K3 x4



Wax the gray parts with remind

J7 J9 J10 J12

Do not insert J7 and J12 in reverse order



J8

J11

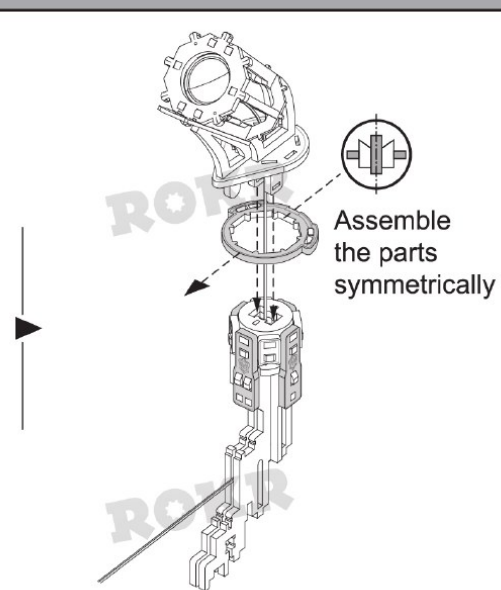
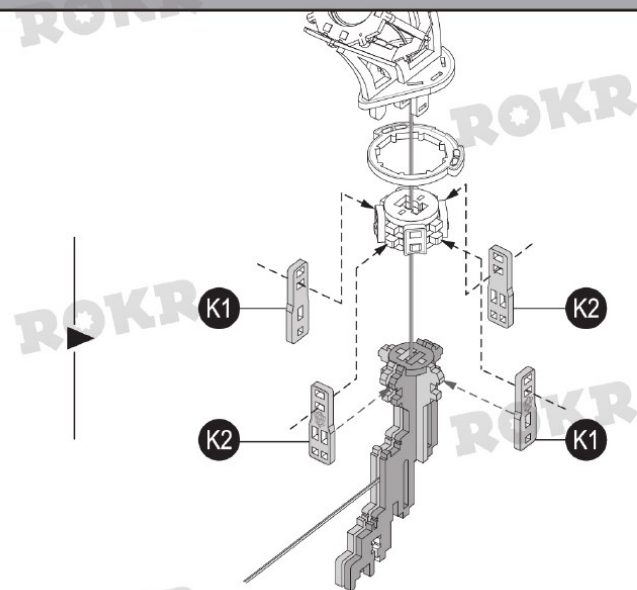
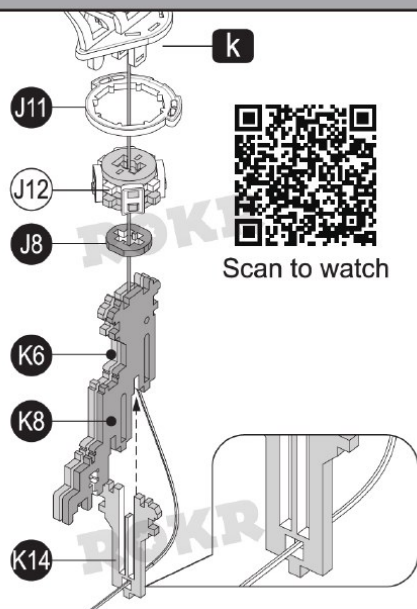
K1 x2

K2 x2

K6

K8

K14



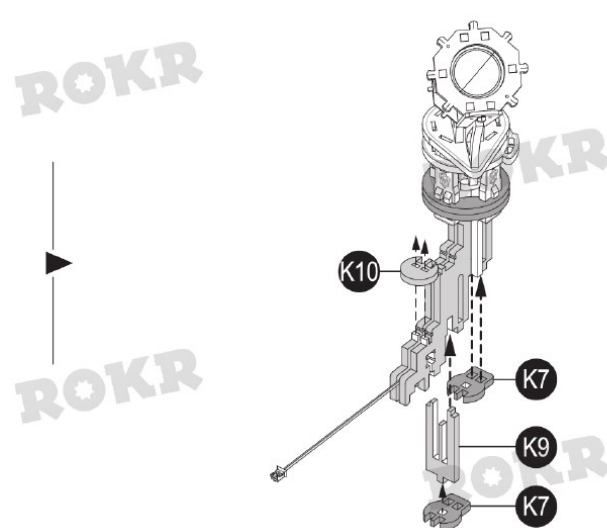
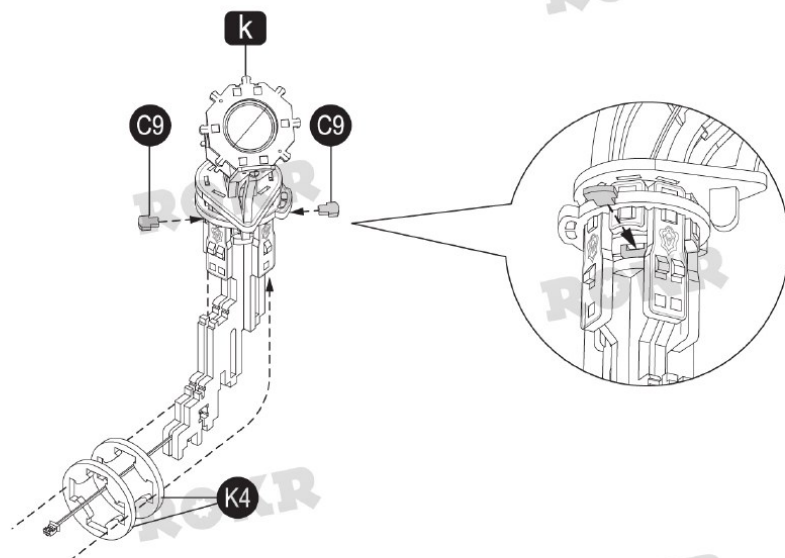
C9 x2

K4 x2

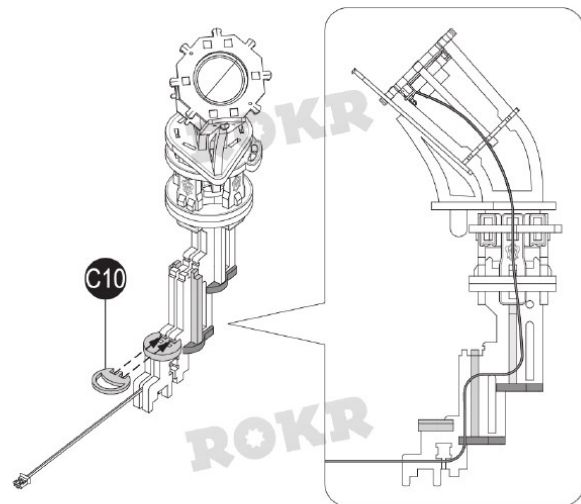
K7 x2

K9

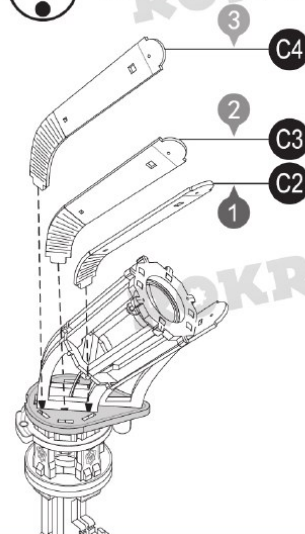
K10



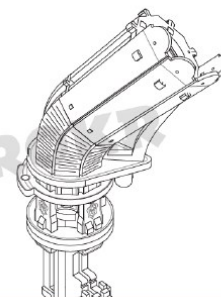
C2
C3
C4
C10



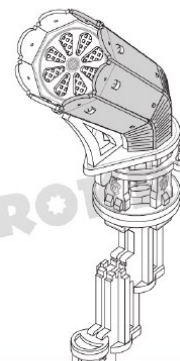
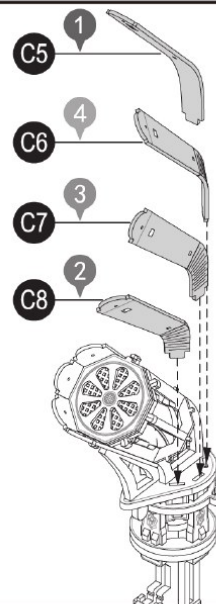
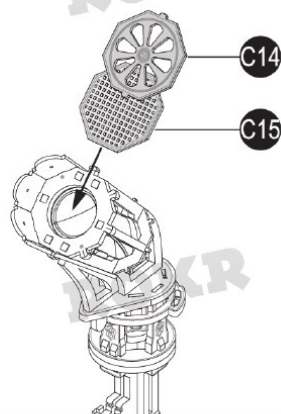
The parts easy to break, take them off carefully.



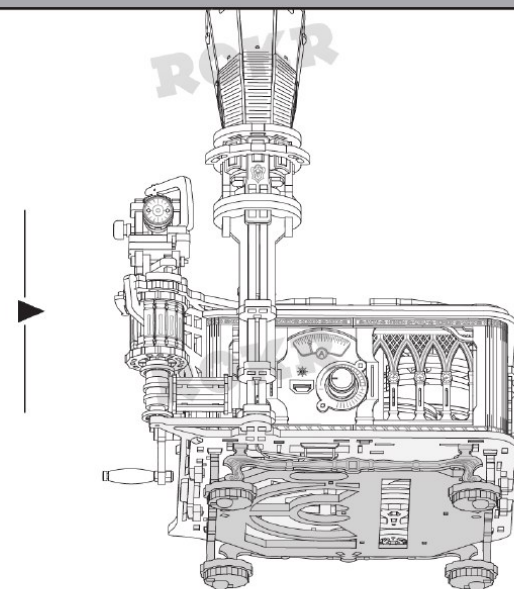
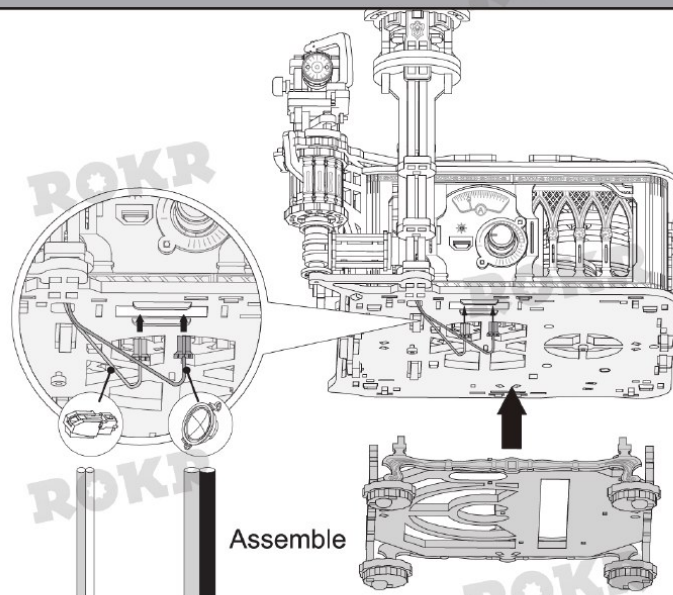
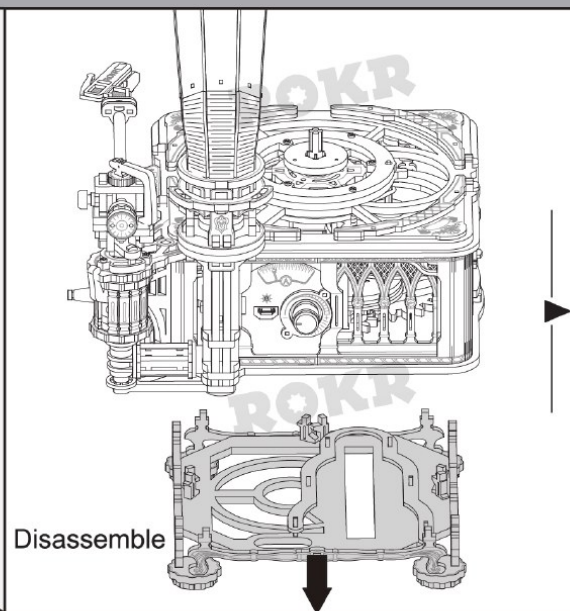
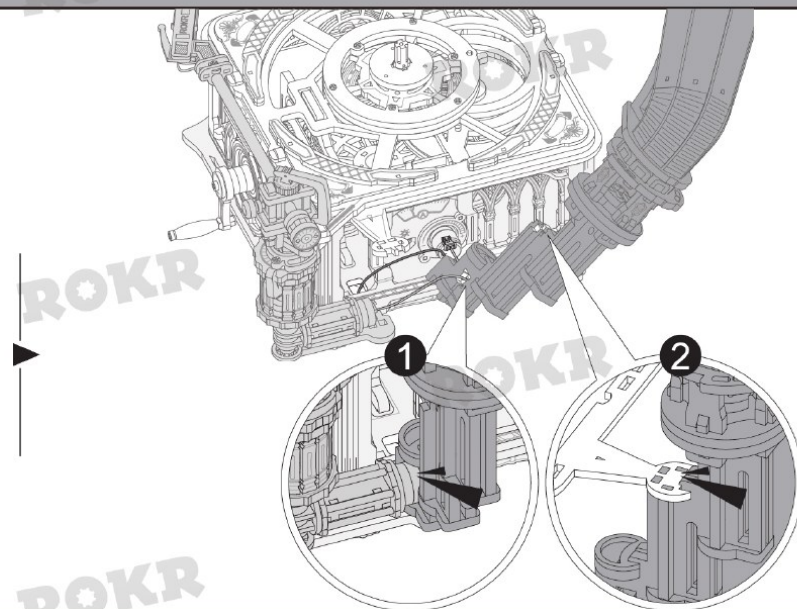
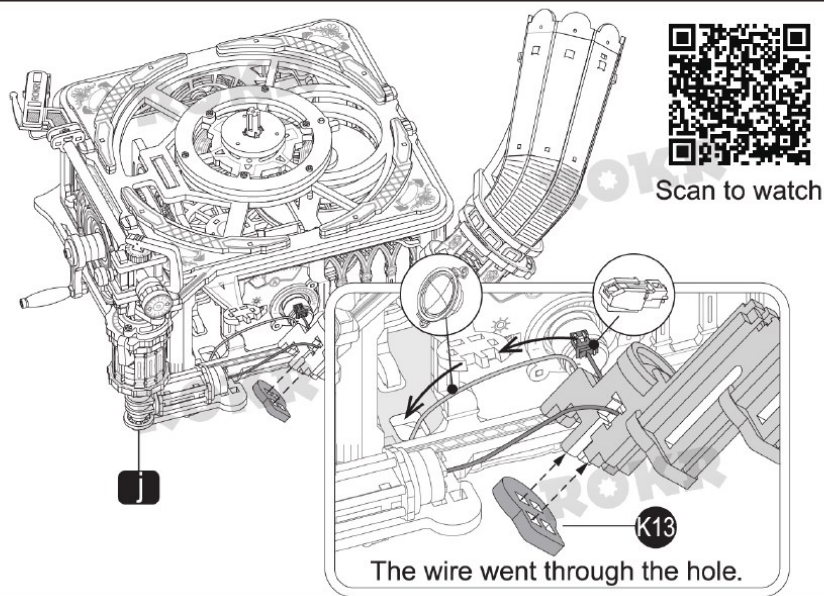
Assembling the short parts first

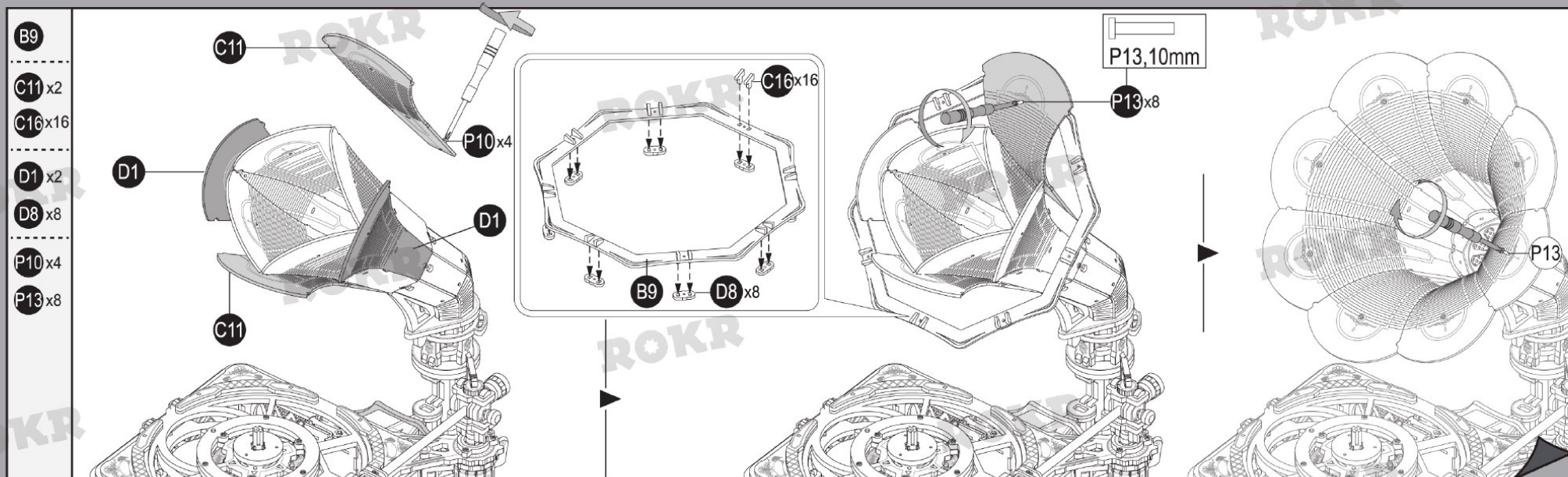
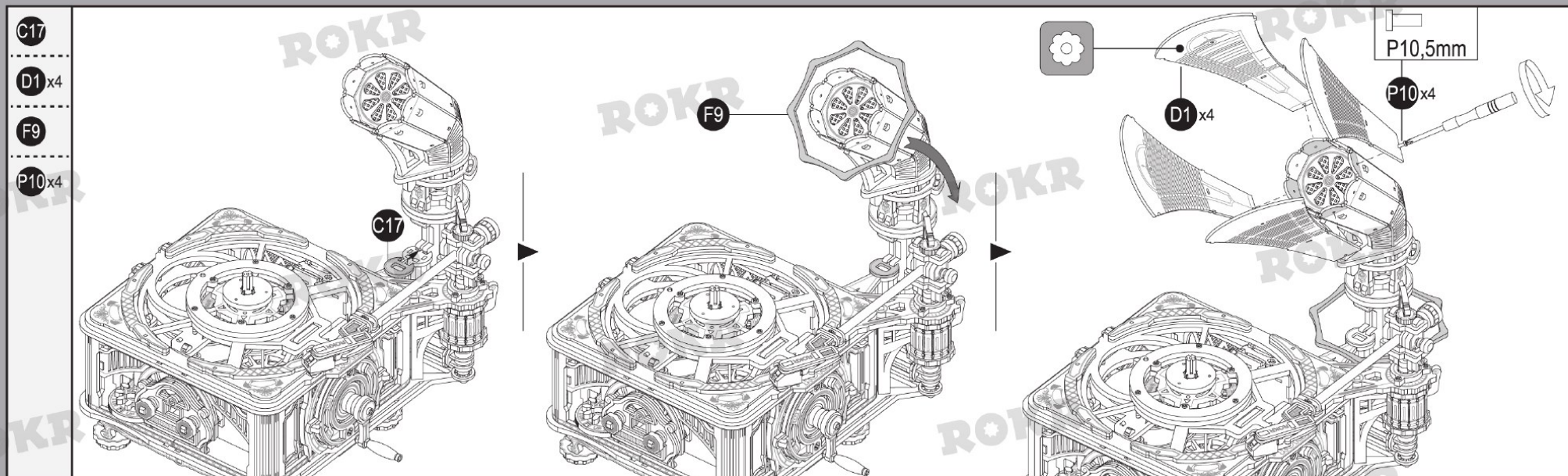


C5
C6
C7
C8
C14
C15



K13

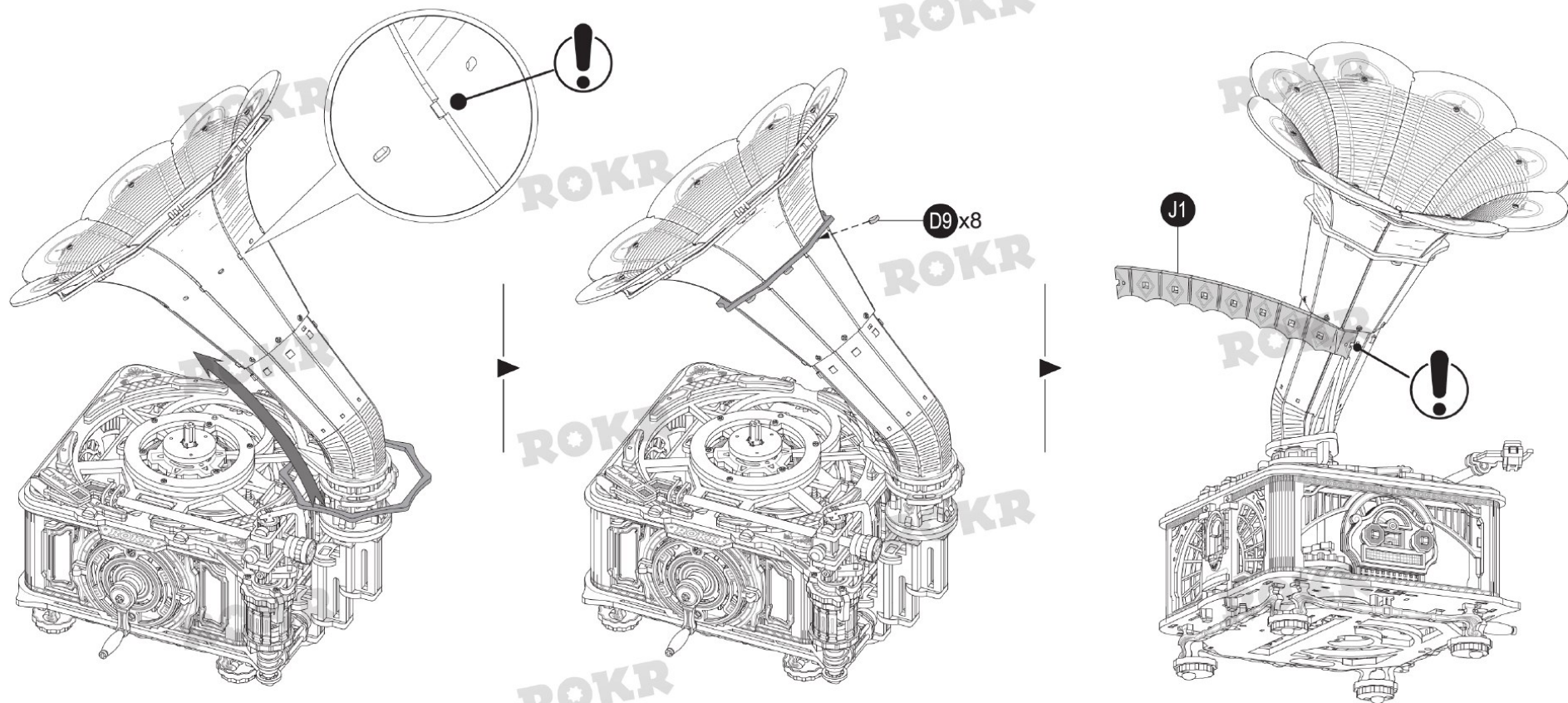




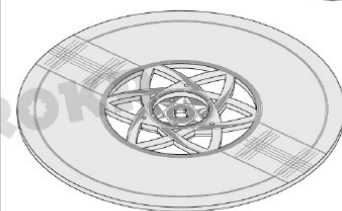
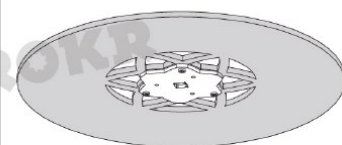
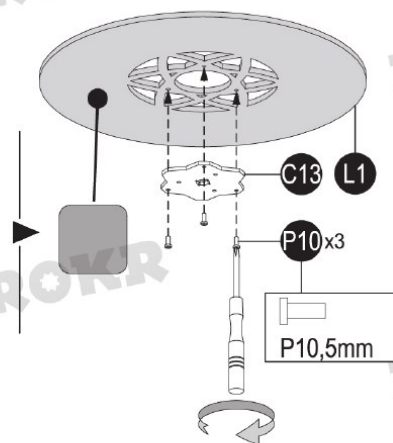
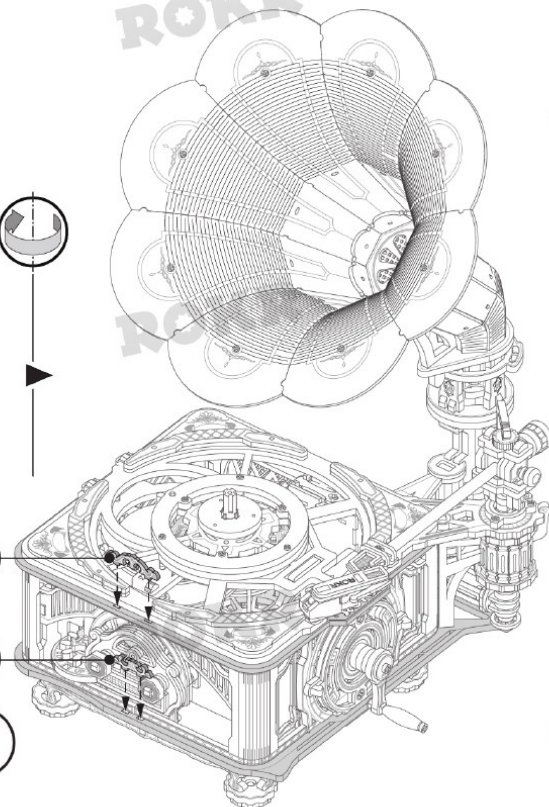
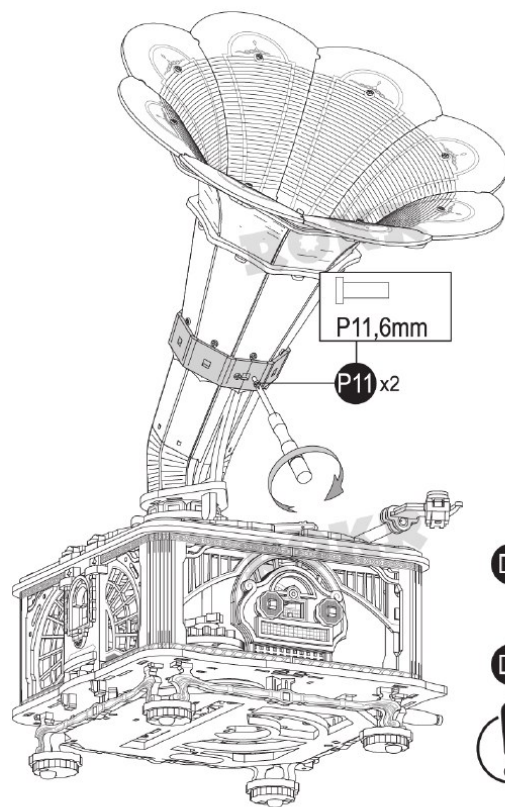
D9 x8

J1

Aligning parts



C13
D6
D7
L1
P10 x3
P11 x2



B14

C20

F1

F4

F14

F15

P10 x3

P12 x5

P49

Align the holes

Tighten it

P10,5mm

P10 x3

P49

P12,8mm

P12 x3

B14

F1

F4

Put the speed wheel
into the storage box

P12

C20

F14

F15

C18 x4

C19 x4

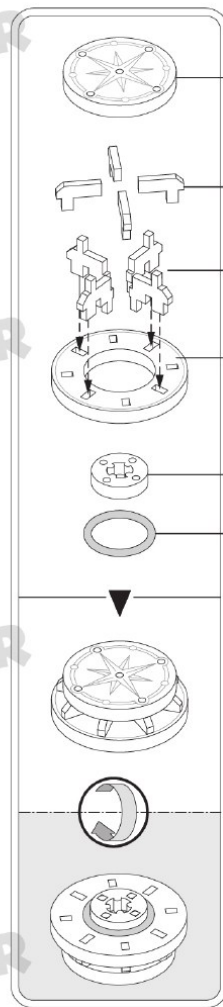
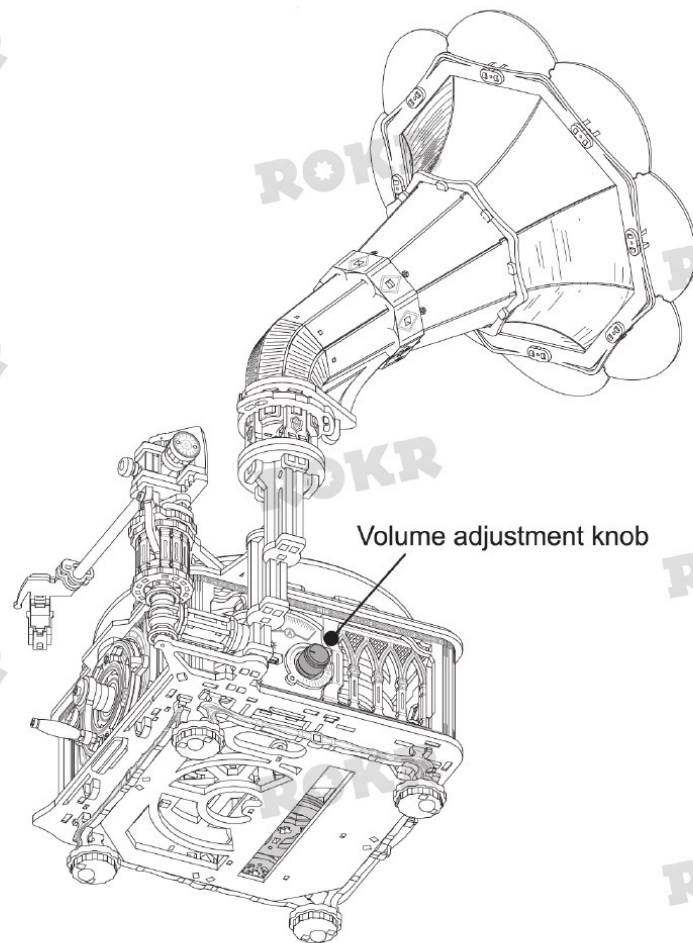
K5

K11

K12

P28

P50



K5

C19 x4

C18 x4

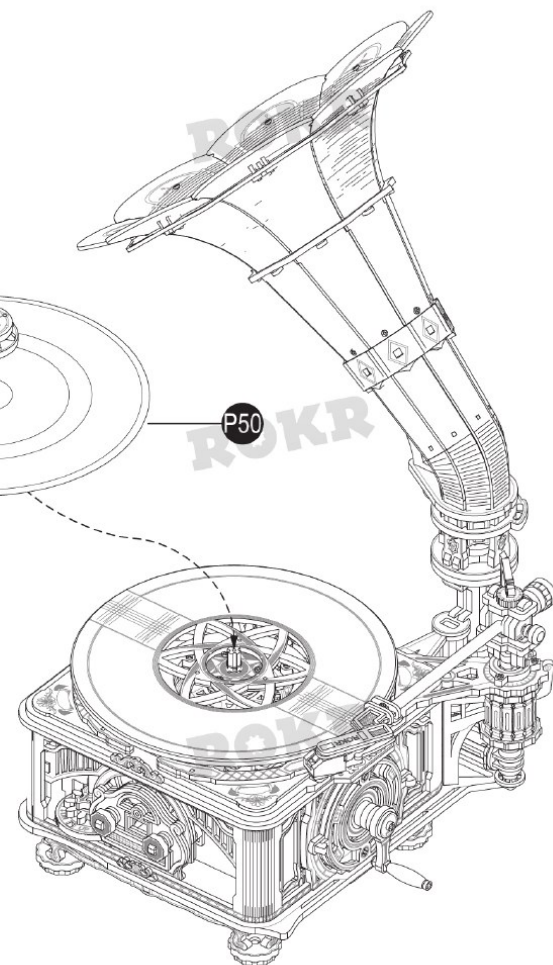
K11

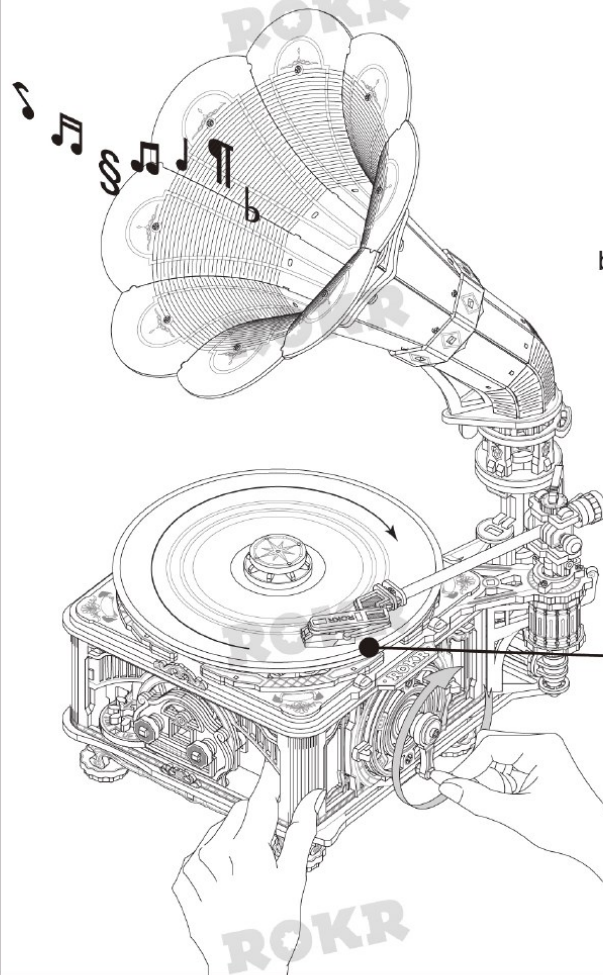
K12

P28

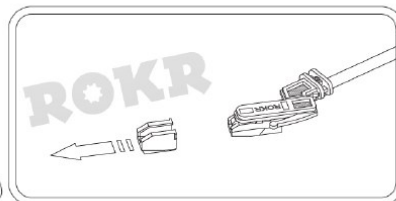
$\varnothing=15\text{mm}$

P28 15mm 1:1





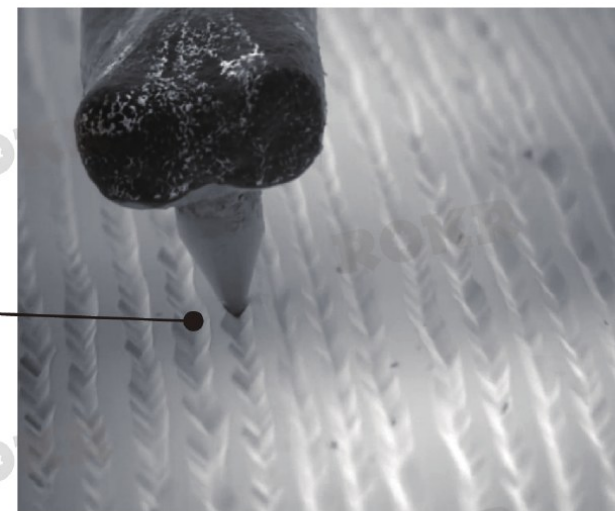
Take off the protective cover before playing. keep the pickup and Phonograph record horizontal.



Completed.

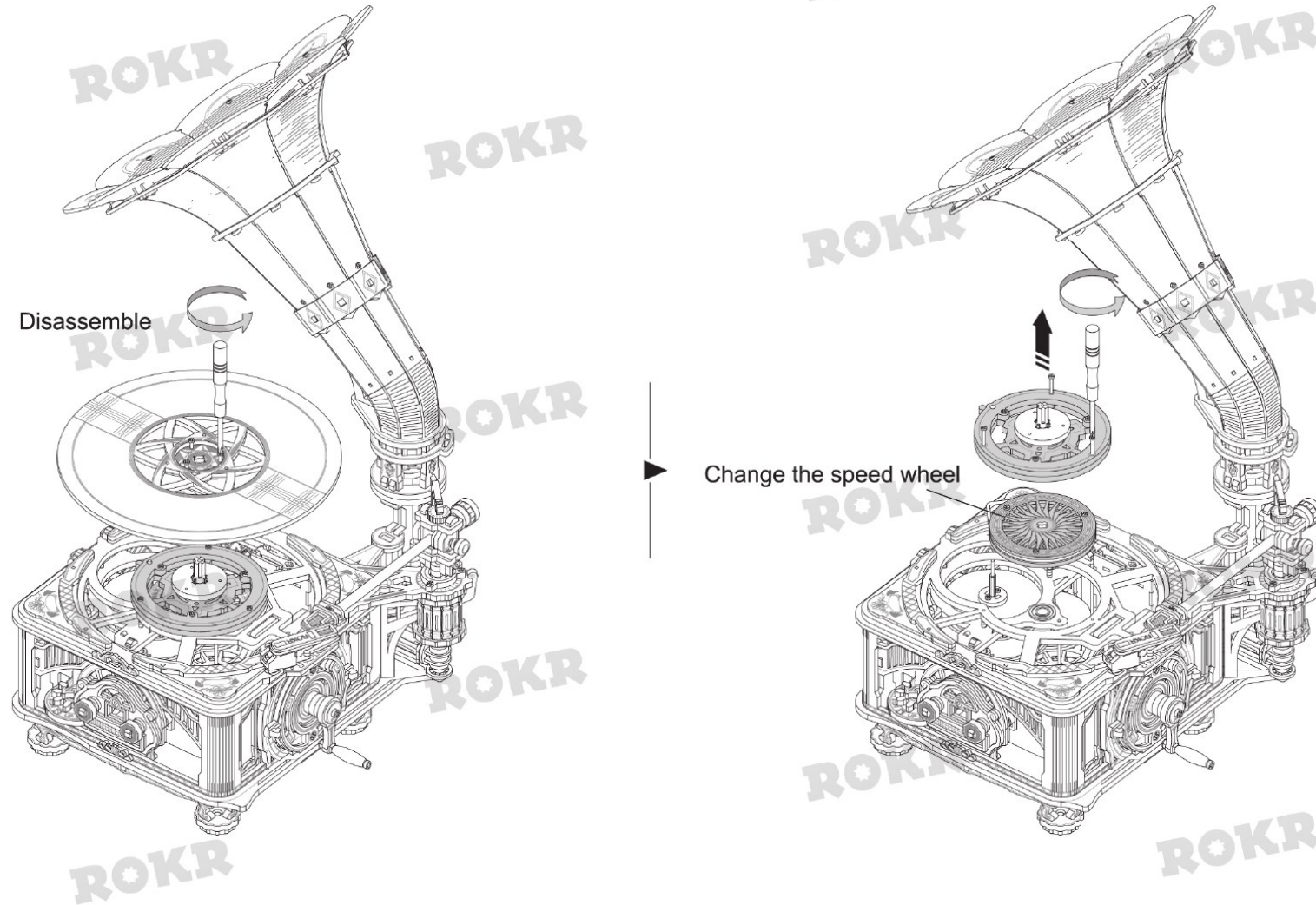
Operating instructions:

1. Take off the protective cover before playing and recover it after playing to protecting the stylus.
2. The position of the first song is on the outer ring of the record, Running from outer ring to inner ring you could choose different song by hand.
3. Keep the fuselage stable by one hand and rotate the handle clockwise by other hand. No matter how fast or slow rotate the handle, the phonograph could be played music normally after reach a certain starting speed.
4. The principle of record playing is that the vibration feedback from stylus. Loose assembly or large shaking can affect the sound quality. Please keep fuselage stable.
5. Put a 10 inch record under a playing record to increase rotational inertia and also improve the playback effect.
6. There are volume adjustment buttons on the back of the phonograph. The higher the volume, the greater the rotational force required.
7. There is a MicroUSB interface on the back of the phonograph. The external power bank can reduce the rotation force.



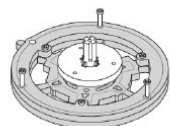
(Record details)

45/min or 78/min phonograph record could be played with different speed wheel.



P29

P30



45/Min

P30

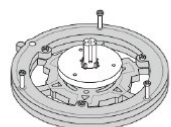
$\varnothing=50\text{mm}$

P30

50mm

1:1

Assemble



78/Min

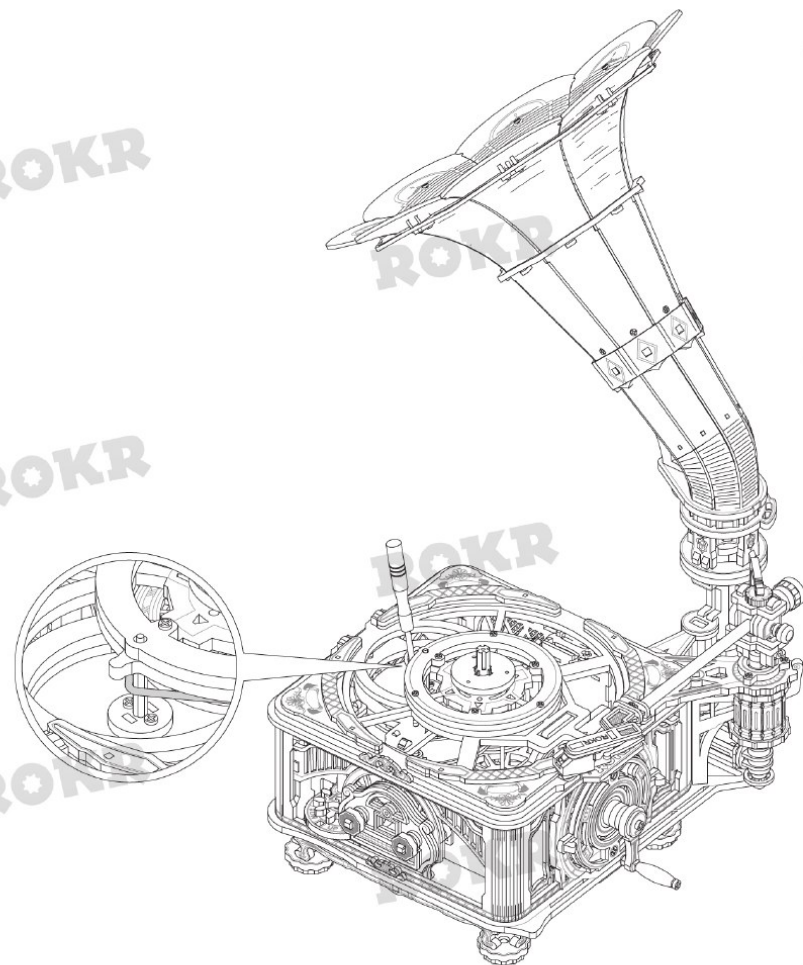
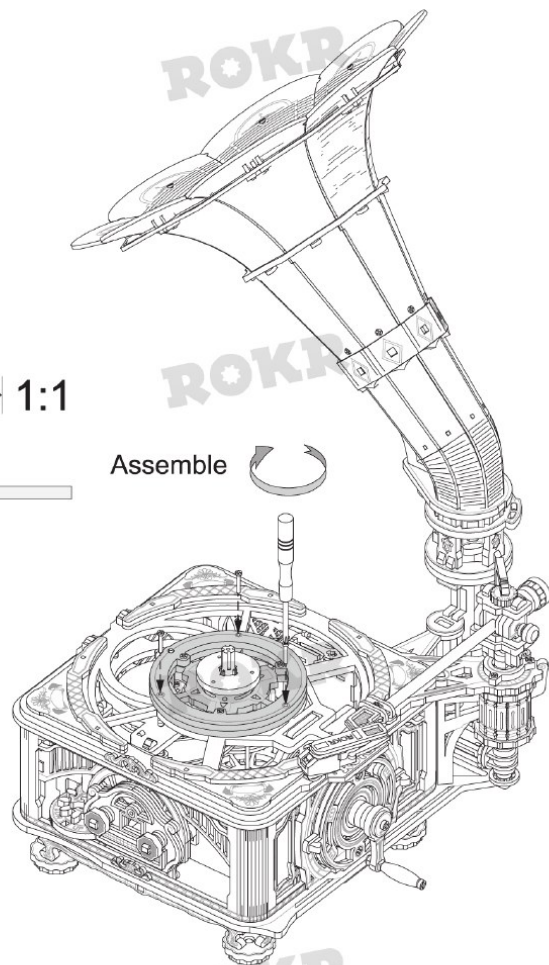
P29

$\varnothing=35\text{mm}$

P29

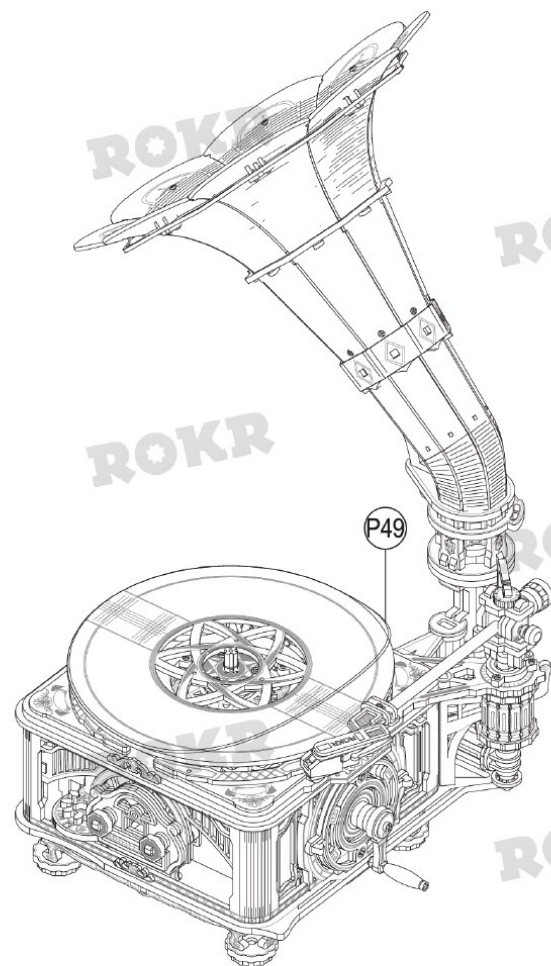
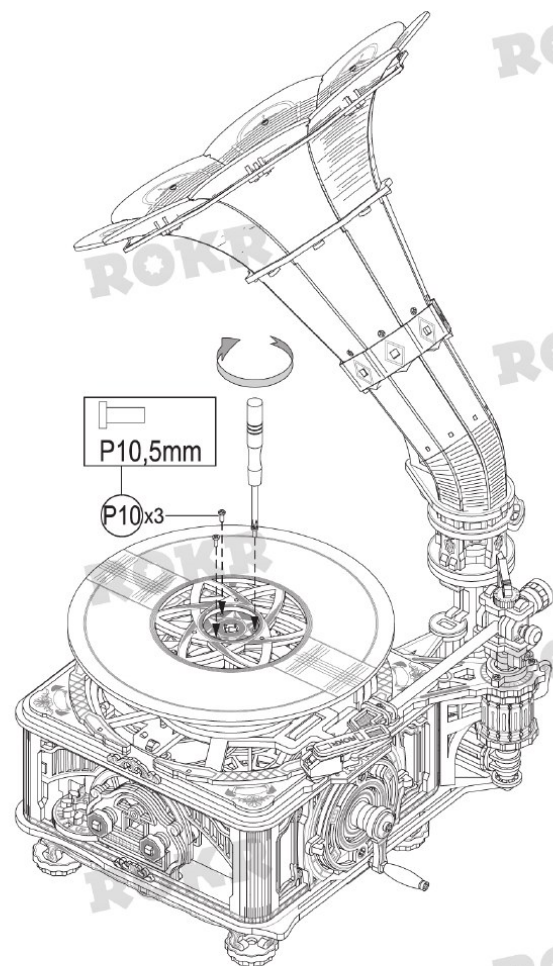
35mm

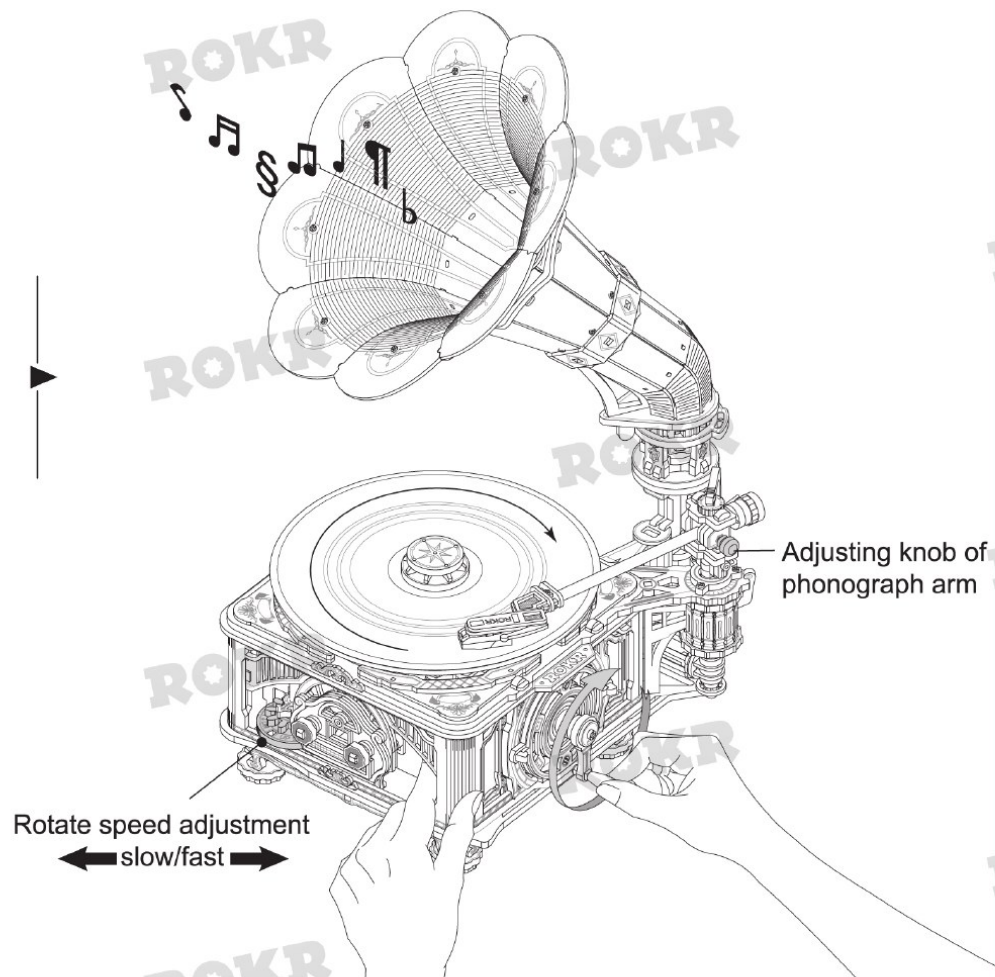
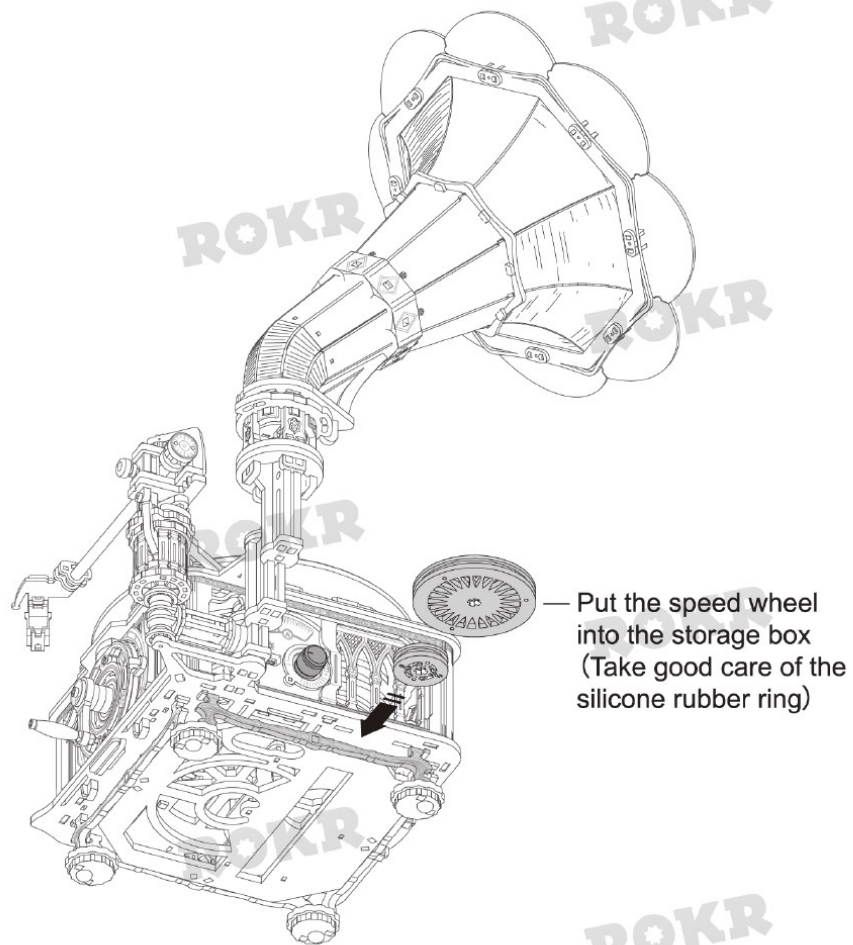
1:1



P10 x3

P49

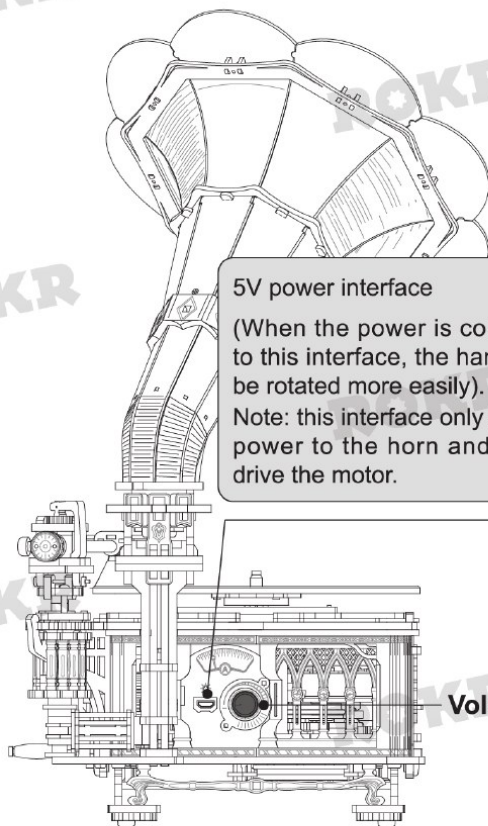




Problem Analysis

1. In case of failure, remove the maintenance window and repair the internal parts.
2. Starting to rotate the handle will produce noise, which is normal. This is the sound of the current in the conducting circuit.

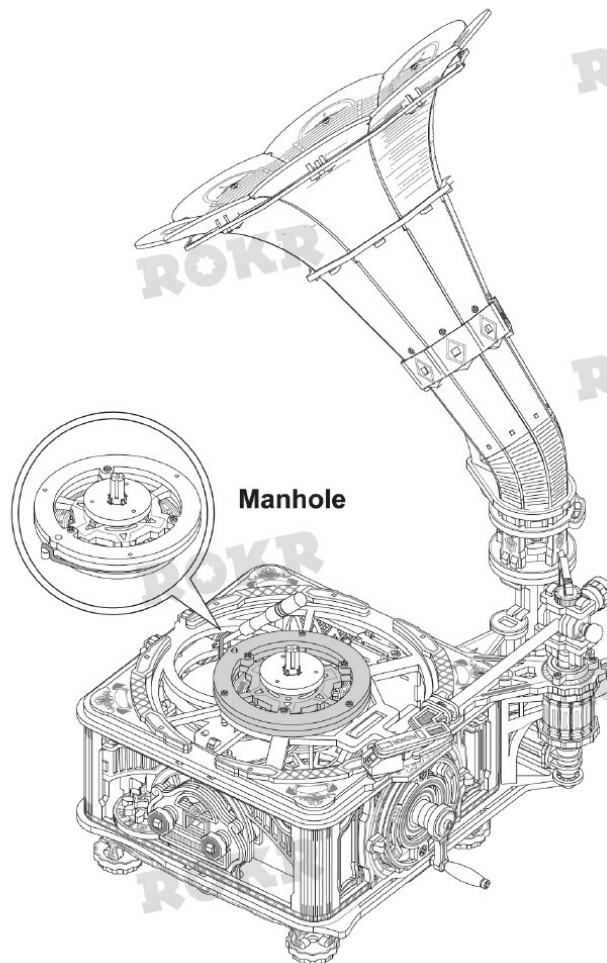
3. Holding the gramophone steady as you rotate the handle helps improve sound quality.
4. When the volume is turned up, the more power is consumed and the handle needs to be rotated more quickly.



5V power interface

(When the power is connected to this interface, the handle can be rotated more easily).

Note: this interface only supplies power to the horn and cannot drive the motor.



Manhole

In case of needle skipping, please check whether the base of the pickup and Gramophone arm is installed in place.

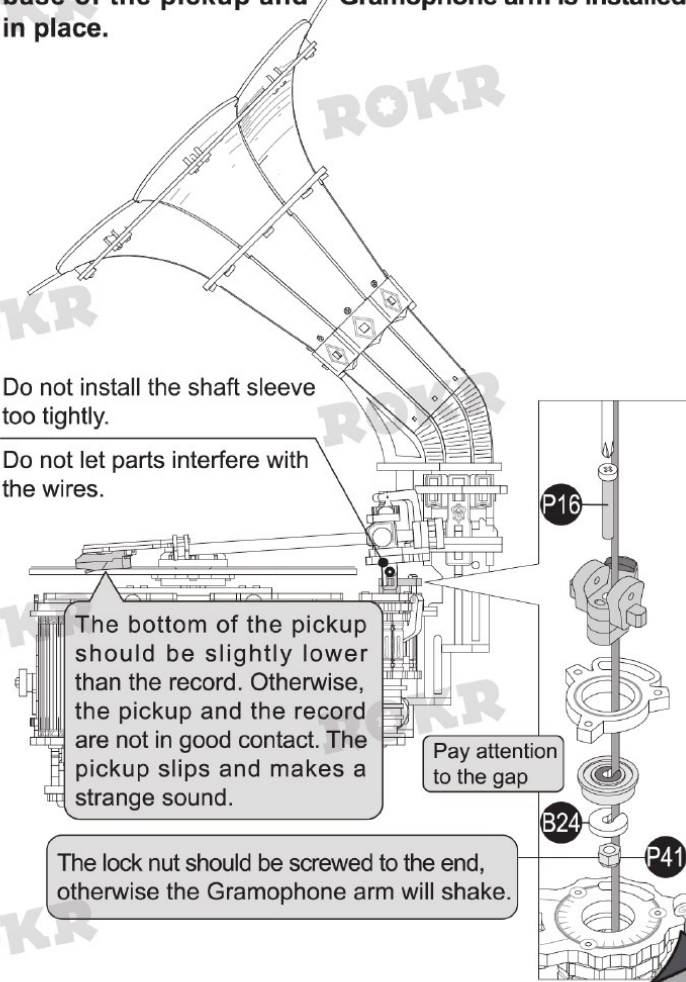
Do not install the shaft sleeve too tightly.

Do not let parts interfere with the wires.

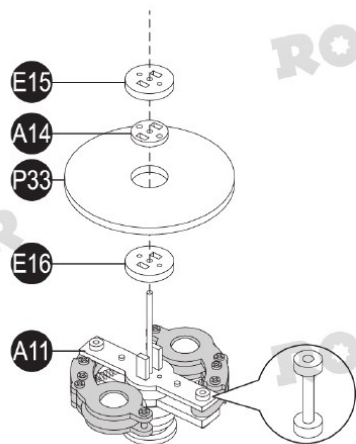
The bottom of the pickup should be slightly lower than the record. Otherwise, the pickup and the record are not in good contact. The pickup slips and makes a strange sound.

Pay attention to the gap

The lock nut should be screwed to the end, otherwise the Gramophone arm will shake.



If the centrifugal governor is not installed in correct position, the sound will be unstable or the record will not rotate.
(If there is no sound, please check whether the wiring is correct).



Check whether the centrifugal governor is installed correctly. Are A11 and E16 missing?

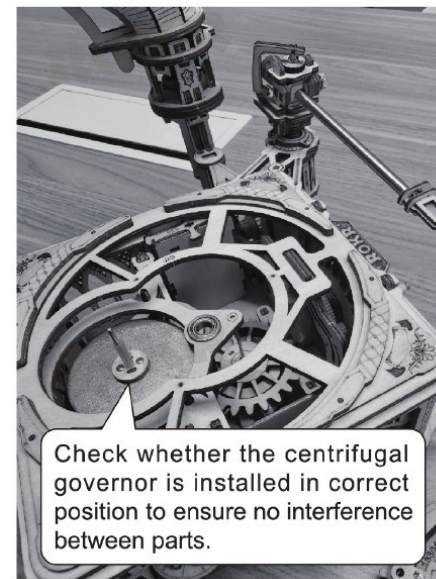
If don't leave space here,
the sound will be unstable.



If there is space left, when the
speed is too fast, there will be
a space to release the excess
energy.

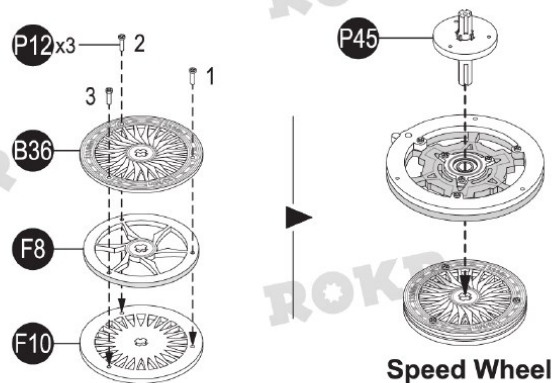


After the centrifugal governor is in
the correct position, the white plastic
can drive the black rubber ring.

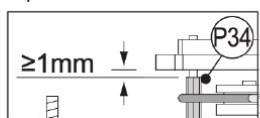


Check whether the centrifugal
governor is installed in correct
position to ensure no interference
between parts.

If there is any interference between the upper and lower parts of the speed wheel, the sound will be unstable or the record will be jam or stuck.

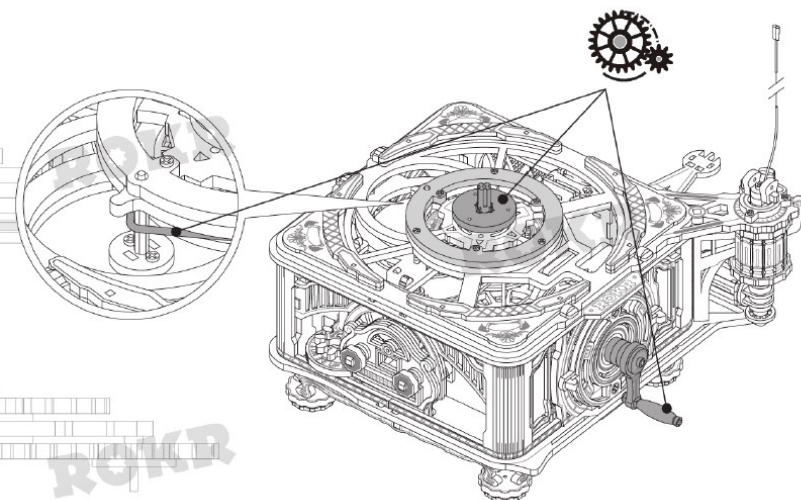


A space the thickness of a piece of wood.



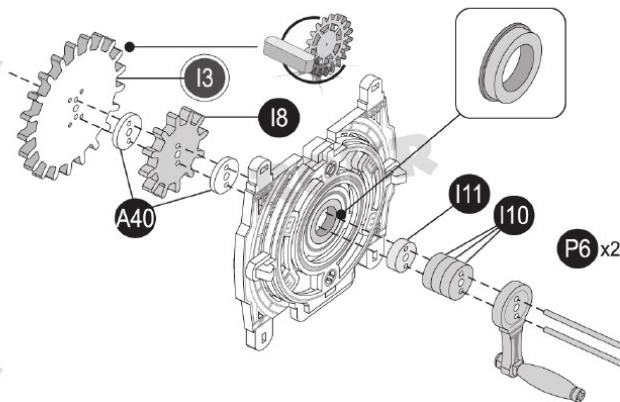
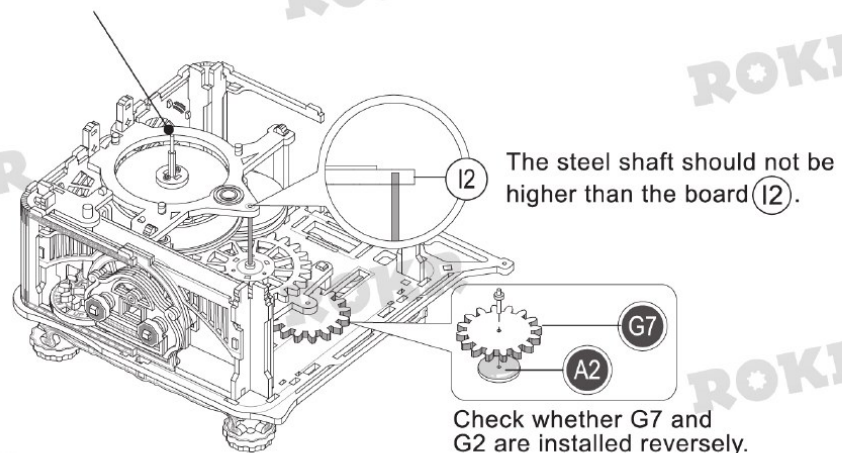
If the speed wheel is very deformed, resulting in parts interference, F10 can be turned over assembly.

If the centrifugal governor rotates and the record does not rotate, check whether the upper and lower parts of the speed wheel interfere.



Missing parts or opposite installation of the upper and lower of the parts will cause the gear to jam or stuck.

Hold the top of the steel shaft and check the gear operation.

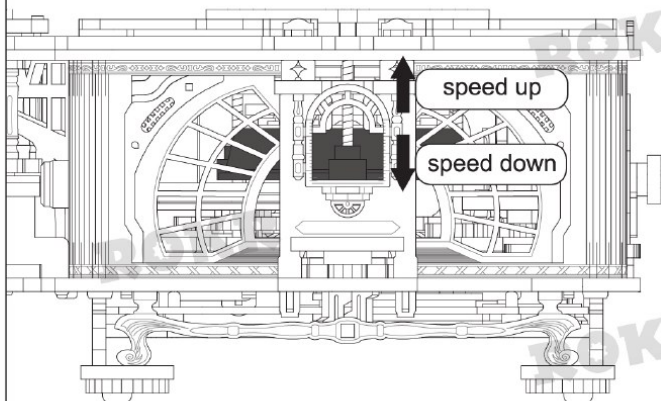


How to higher the rotate speed (Choose one way below).

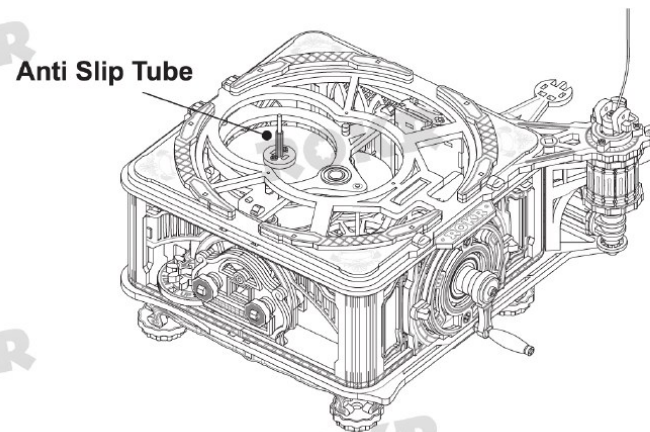
1. Replace it with a 45 or 78 speed wheel.



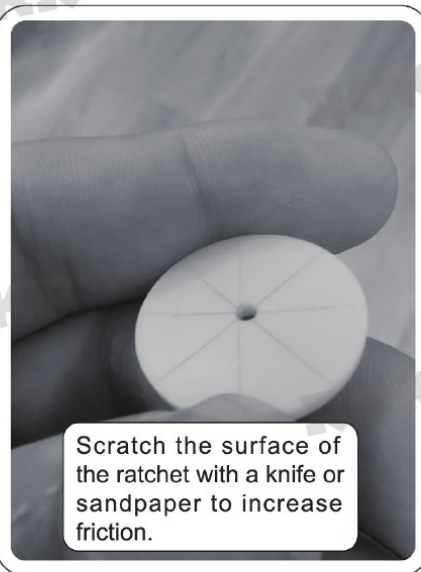
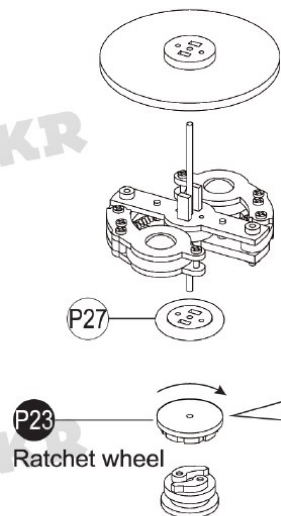
2. Raise the speed limit plate.



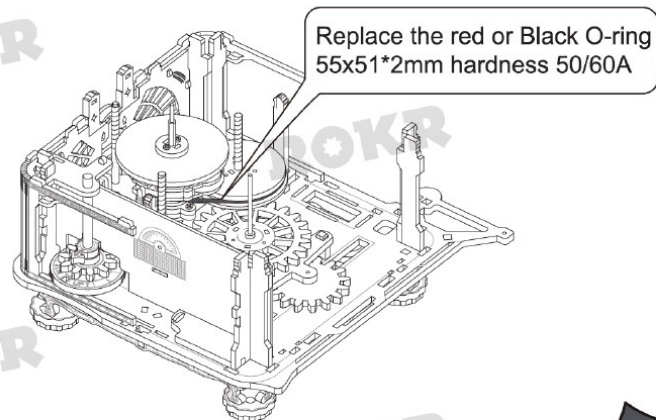
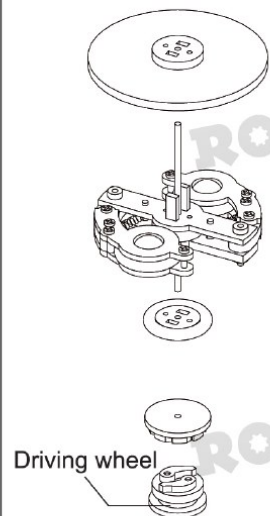
3. Thick anti slip tube. (tape wrapping).

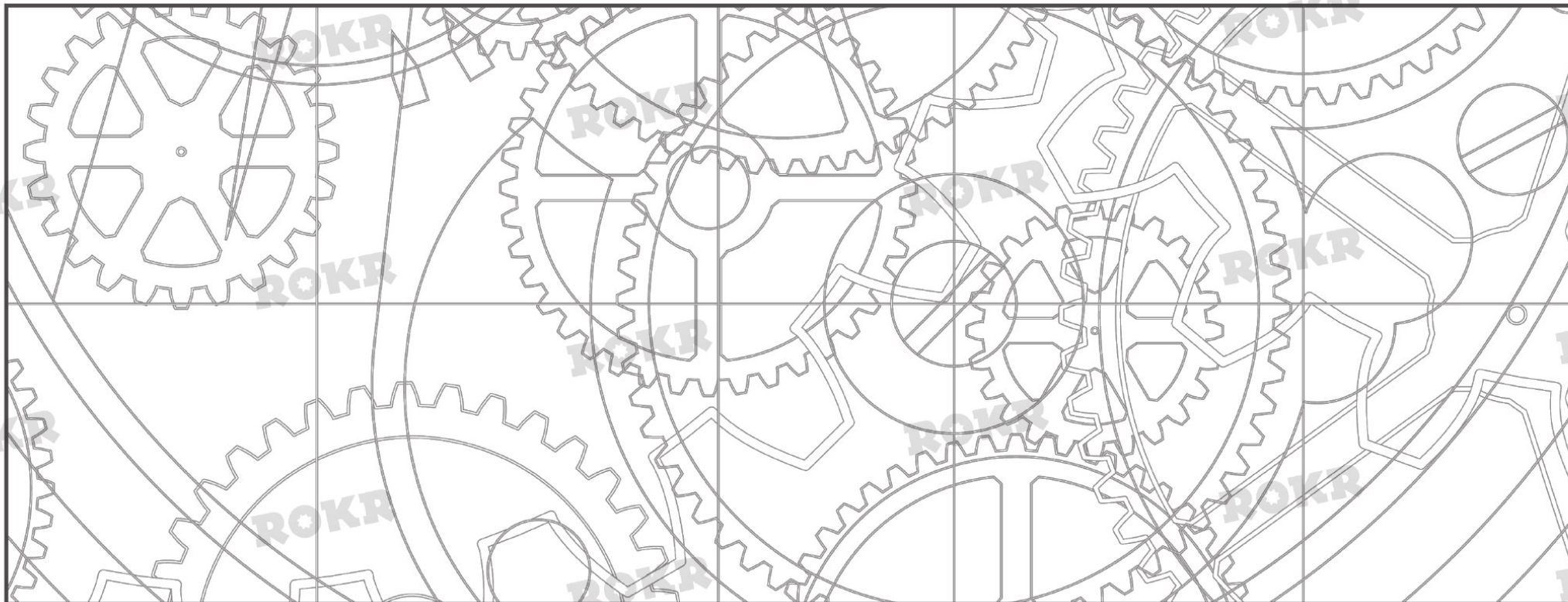


4. Increase p23 friction.



5. Thicken the drive wheel or replace the red or Black O-ring.





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