

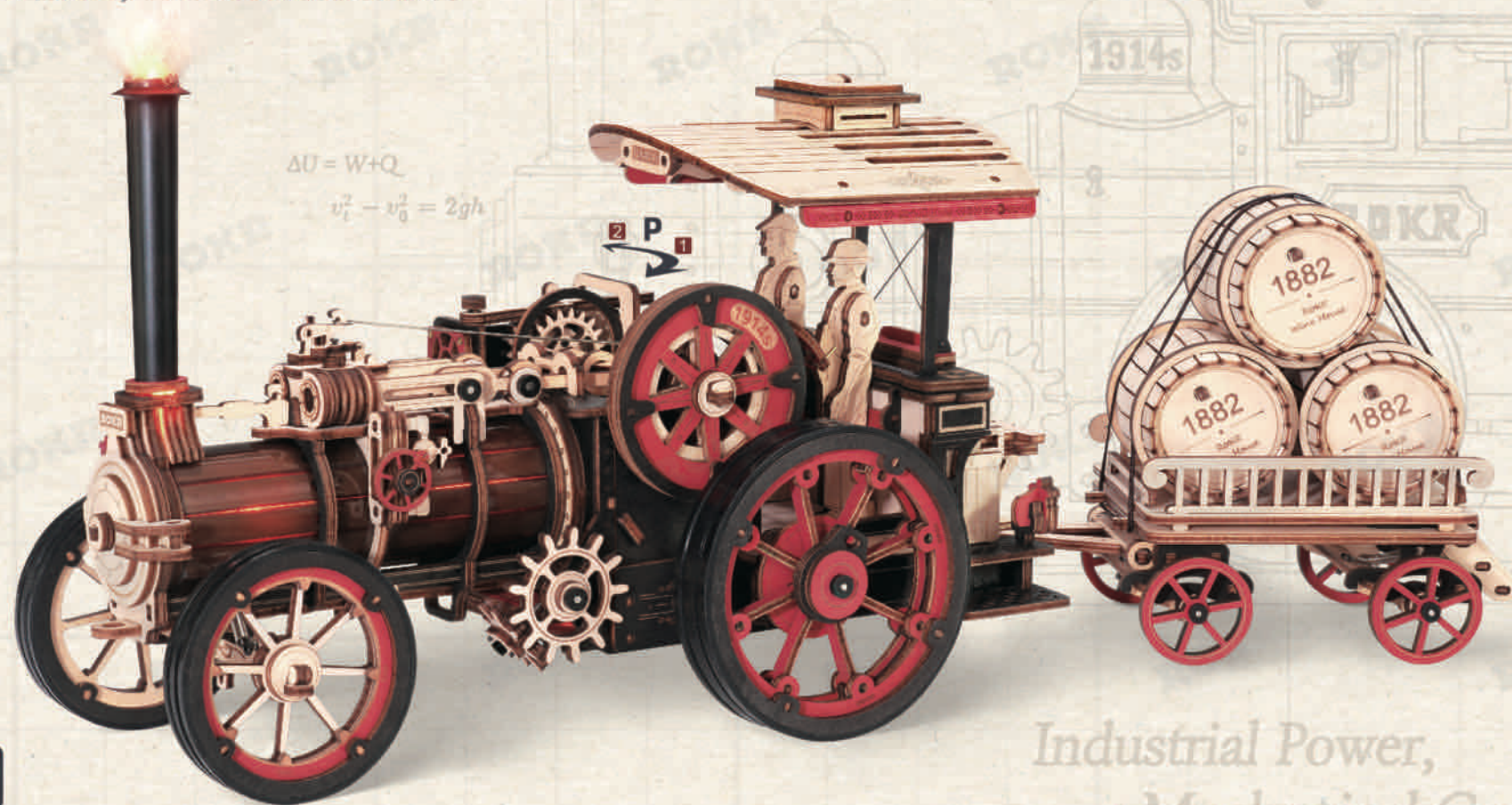


Mechanical Models

ROKR

STEAM ENGINE

Industrial Power, Mechanical Gears



LKA01

Assembly Instruction

*Industrial Power,
Mechanical Gears*

WARNING:

1. The product is for people who are over 14 years old. Kids should assemble under the guidance of adults.
2. The product requires 2 "AAA LR03/AM4 1.5V" batteries. (Batteries for self-preparation.)
3. Screw the fastener on the rear cover of the battery box using a screwdriver to remove or insert the batteries.
4. Non-rechargeable batteries are not to be recharged.
5. Rechargeable batteries are only to be charged under adult supervision.
6. Rechargeable batteries are to be removed from the toy before being charged.
7. Different types of batteries, new and old batteries cannot be mixed in use.
8. Batteries are to be inserted with the correct polarity (+ and -).
9. Remove the exhausted battery in time.
10. The power supply terminal cannot be short circuited.
11. Do not connect the wire to a mains outlet.

12. The product is not to be connected to more than the recommended number of power supplies.
13. The instruction must be retained since it contains important information.

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 and ammonia water to clean the product.
3. Use clean and soft fabric to clean the product and polish the board burrs lightly with sandpaper.

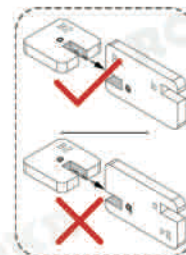


Product Display

ATTENTION:

1. Take off the pieces from the board according to each step before assembling and place them properly in case of missing.
2. Please carefully read the instruction book when assembling and keep it properly for later verification.
3. Polish the parts with sandpaper to enhance aesthetic feeling and gear lubrication.
4. Repair with glue prepared by yourself if the wooden pieces would be broken.













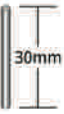


5. There are letters on some parts as shown and assemble them together with the same letters.
6. For some complicated steps, please scan the QR code with remind for assembling videos.
7. There is a little difference between several parts and the pictures on instruction, subject to parts number.
8. There are spare parts on wooden boards.







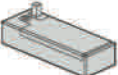















FAQs:

Problem	Cause	Solution
1. How to solve the fracture of parts?	<ol style="list-style-type: none">1. Parts are fragile and applied with too much force.2. Some parts are marked with pressure application point. Do not press non-pressure application point or at the end of the long pieces.	<ol style="list-style-type: none">1. Take off the pieces carefully.2. Some fragile pieces have spare ones to replace.3. Contact our customer service for free replacement parts.4. Adhesive can be used if the decorative part (non-drive function part) breaks.
2. It's hard to assemble parts. What should I do?	<ol style="list-style-type: none">1. Some parts related to transmission will be slightly tight, and tools can be used to assist in pressing.	<ol style="list-style-type: none">1. Check for assembling errors.2. Press with Tool E14.

Part List (Tips: suggest to put the parts in a box to prevent loss) * Due to customs policy in international shipping, The batteries, wax and glue may not be included. Please prepare them by yourself.

Item	String light	Motor	Copper nail	Copper nail	Screw M2	Screw M2	Screw M1.2	Screw M1.2	Screw M1.2	Steel shaft	Steel shaft	Steel shaft	Steel shaft	Steel shaft	Steel shaft
Item number	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15
Illustration															
Quantity	1	1	4	2	11	2	11	6	6	4	3	2	1	1	2

Item	Steel shaft	Drive shaft	Motor shaft sleeve	Black shaft sleeve	Square shaft sleeve	Cotton	Battery box	Circuit board	Spring	Translucent tube	Chimney	Front tyre	Rear tyre	Steel wire	Z-shaped steel wire
Item number	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28	P29	P30
Illustration															
Quantity	1	1	1	37	5	1	1	1	4	1	1	2	2	1	2

Item	String	Hinge	Screwdriver	Tweezers	Wax
Item number	P31	P32	P33	P34	P35
Illustration					
Quantity	1	2	1	1	1



Special attention in assembly



Wax the yellow parts



Ensure the connection of gears smoothly



Ensure the parts running smoothly



Perspective changed



Flip to assemble



Assemble the parts symmetrically



Polish the parts with sandpaper



Printed side



Blank side



Step 1



Complete 2 same parts

1

A5

A6

A7

A8

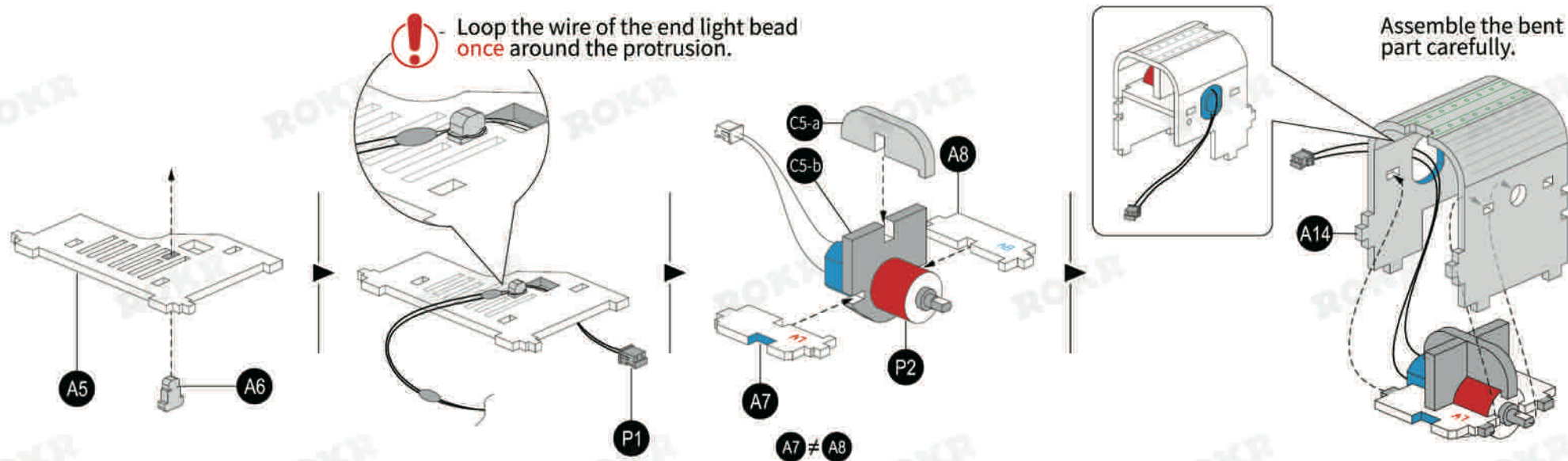
A14

C5-a

C5-b

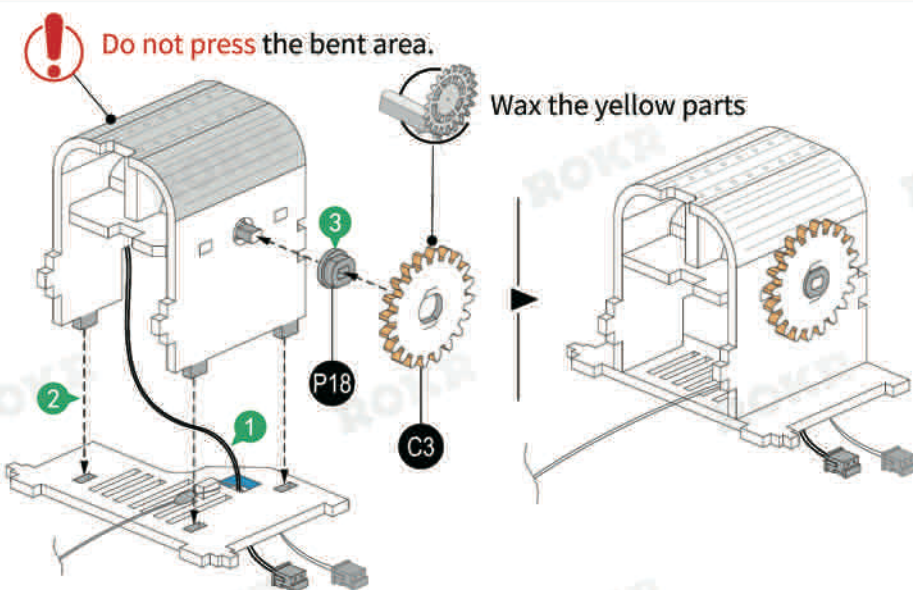
P1

P2



C3

P18

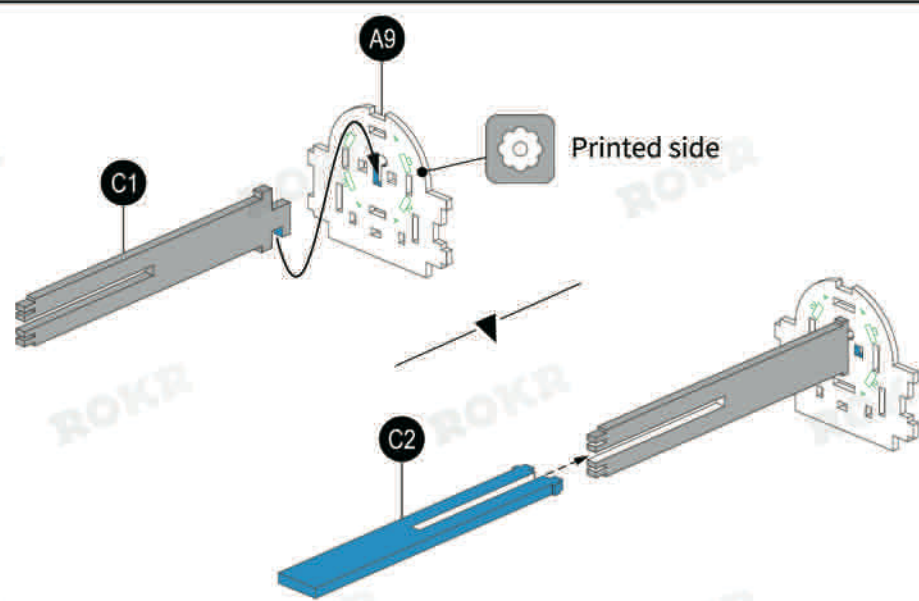


2

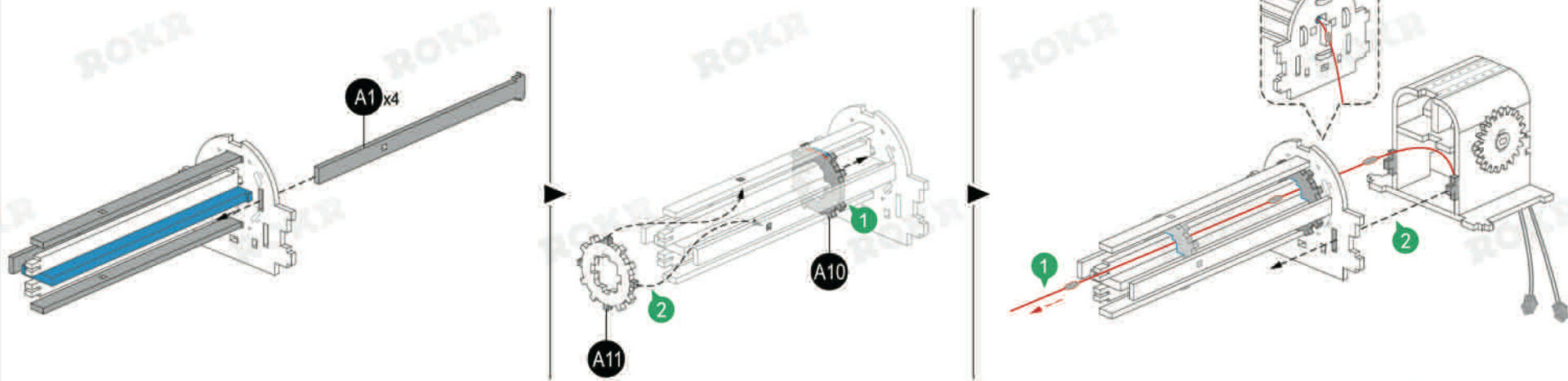
A9

C1


C2

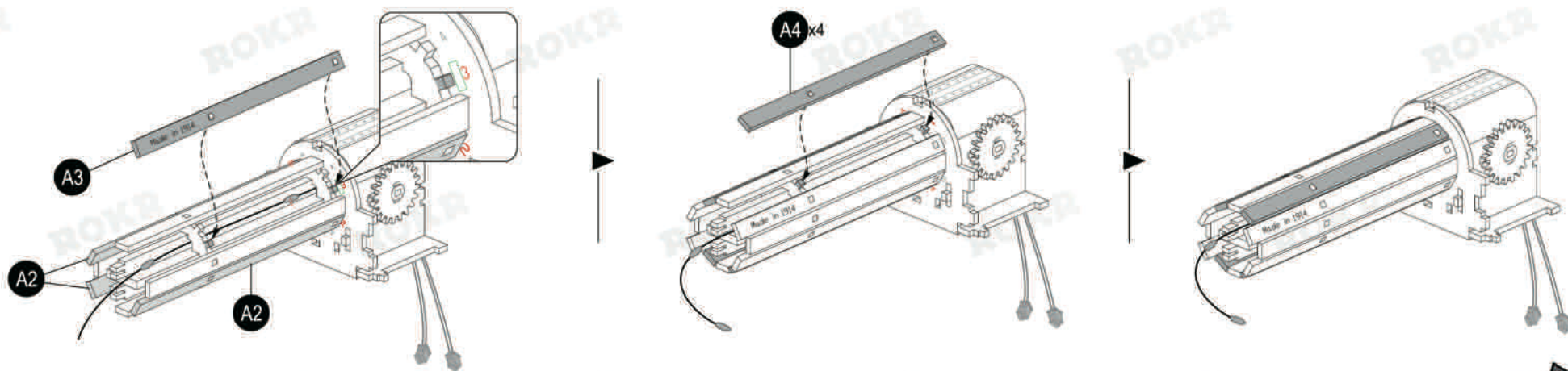


A1 x4
A10
A11

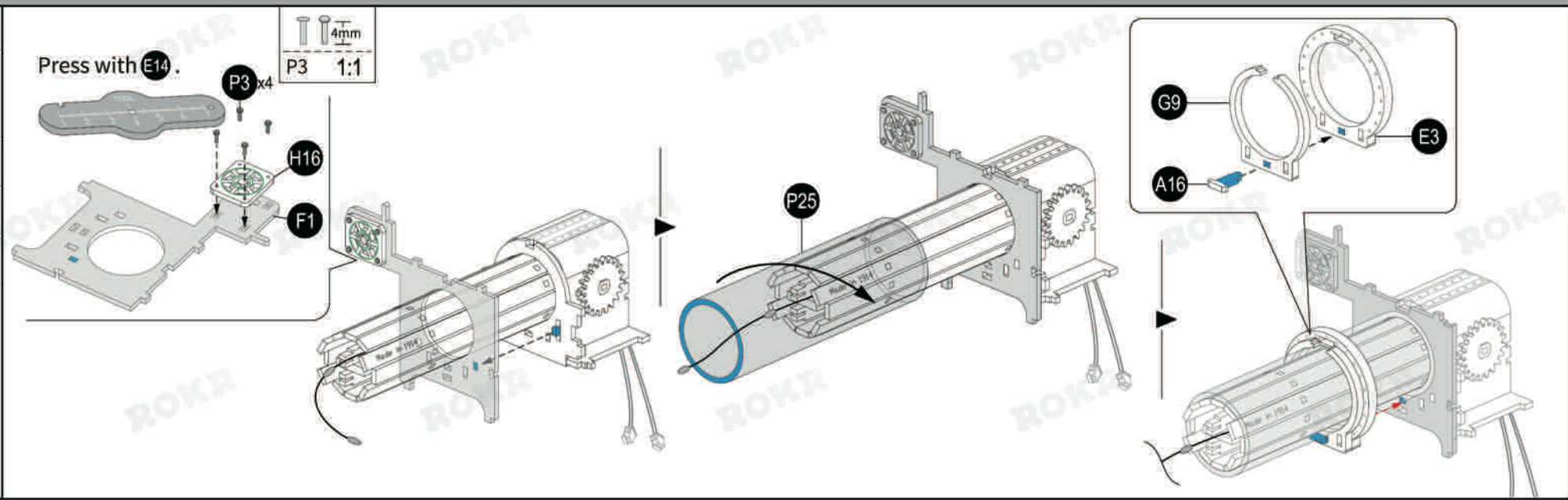


A2 x3
A3
A4 x4

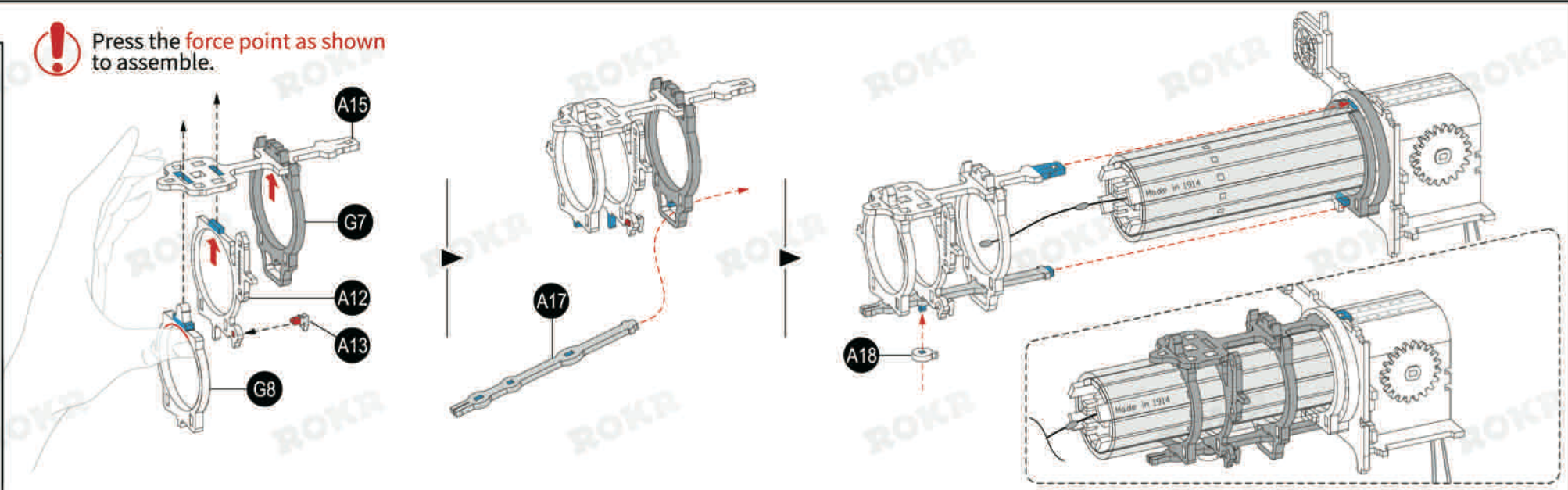
 Assemble the parts to corresponding positions with the same number.



- A16
- E3
- E14
- F1
- G9
- H16
- P3 x4
- P25



- 3
- A12
- A13
- A15
- A17
- A18
- G7
- G8



4

A19x2

A20

A21

A22

A23

E4

F2

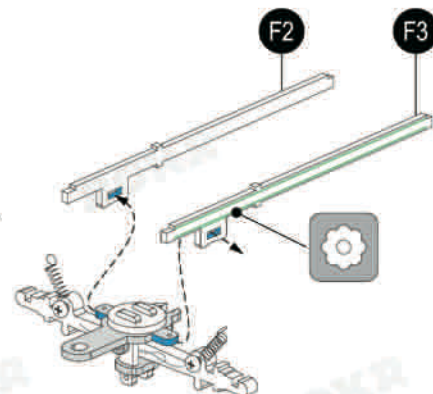
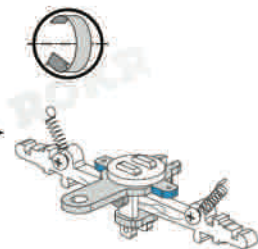
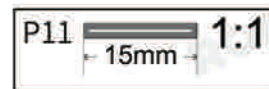
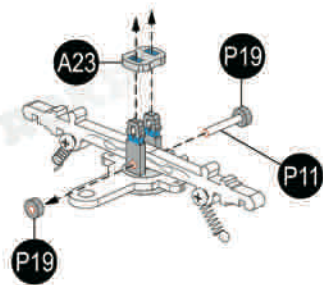
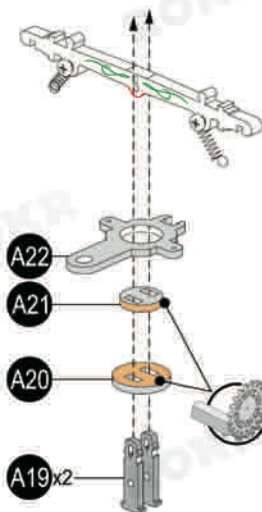
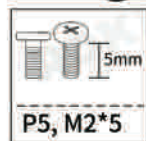
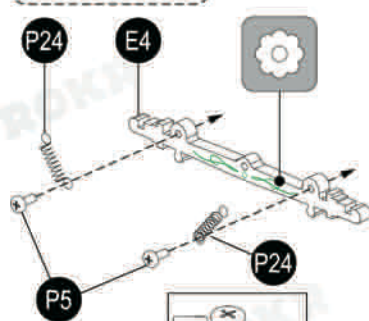
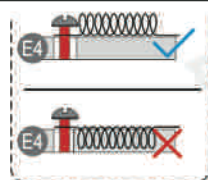
F3

P5x2

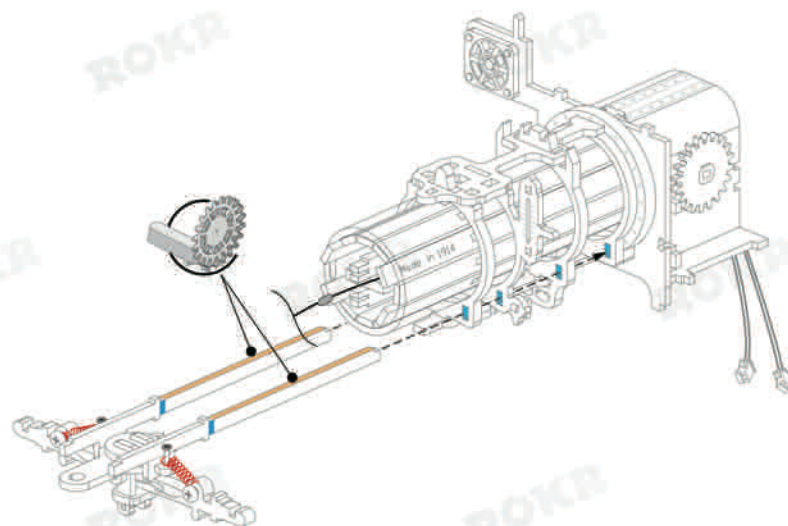
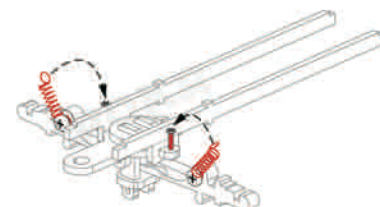
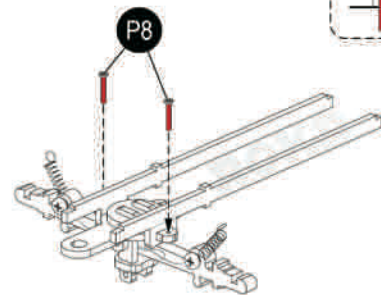
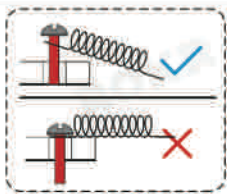
P11

P19x2

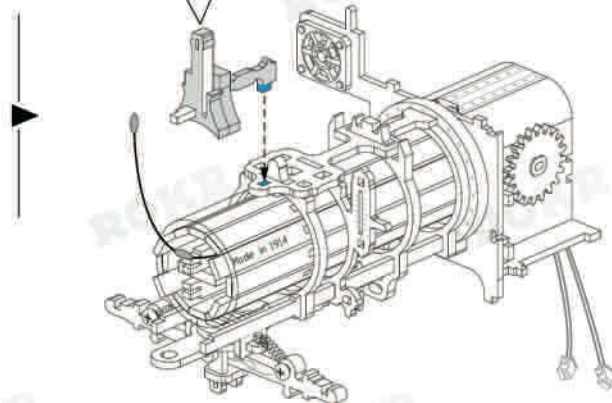
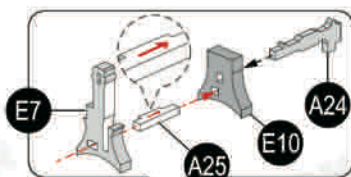
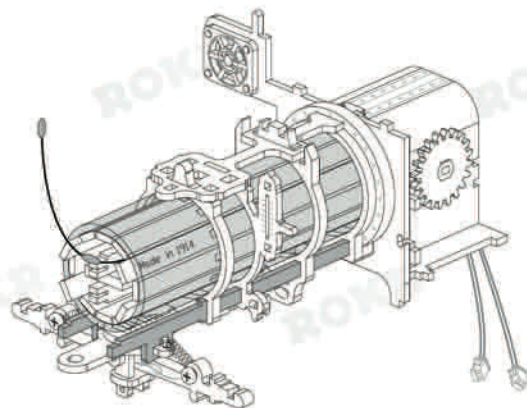
P24x2



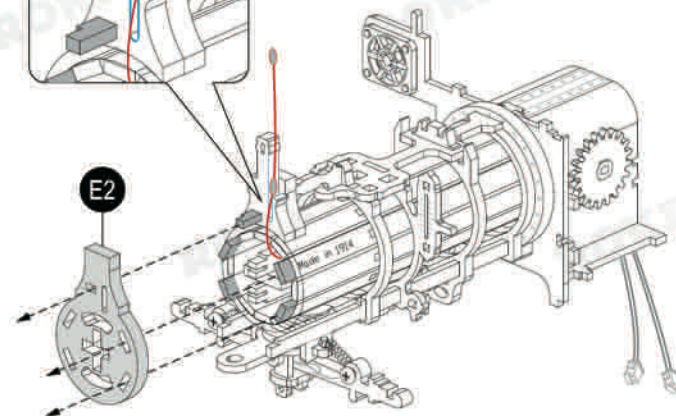
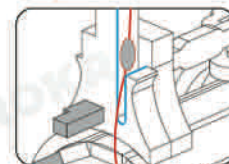
P8x2



A24
A25
E2
E7
E10

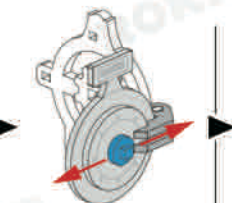
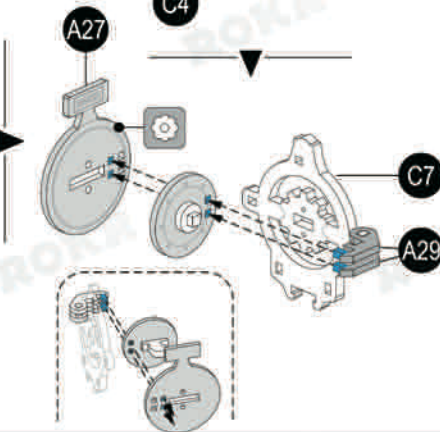
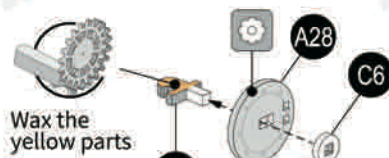
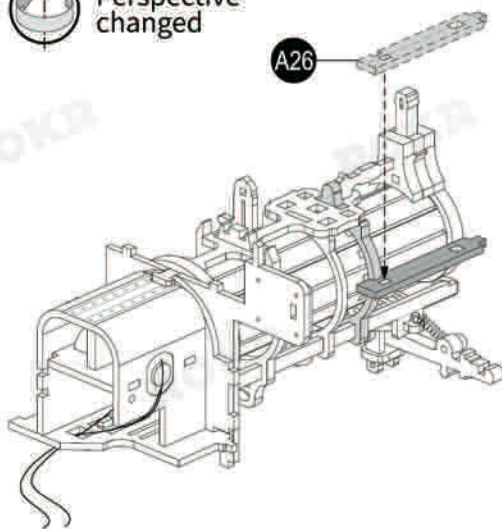


! Insert the wire into the part gap.

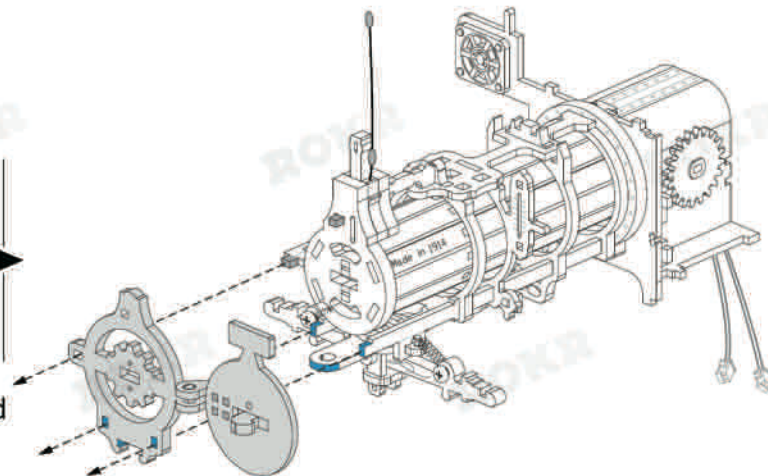


A26
A27
A28
A29x2
C4
C6
C7

 Perspective changed



Pull from side to side to spread the wax evenly.



A30

P7 x2



P7, M1.2*8

P7 x2



A30



5

A31

A32 x2

A33

A34 x3

A35

A36

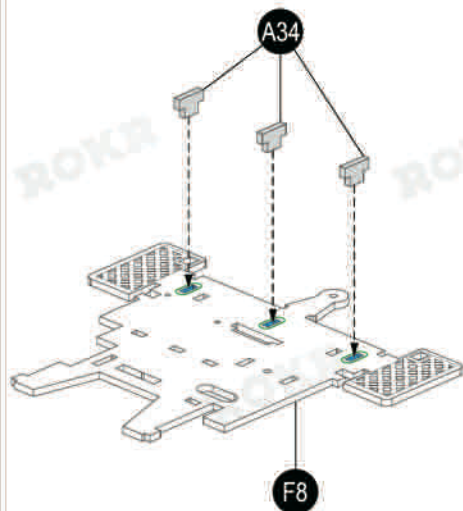
F5

F8

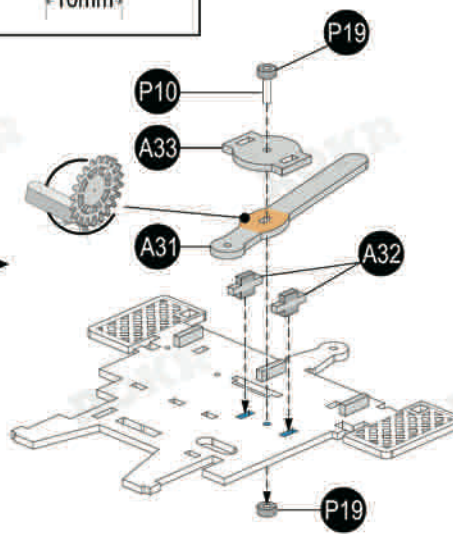
G3

P10

P19 x2

P10 1:1
10mm

F8



P19

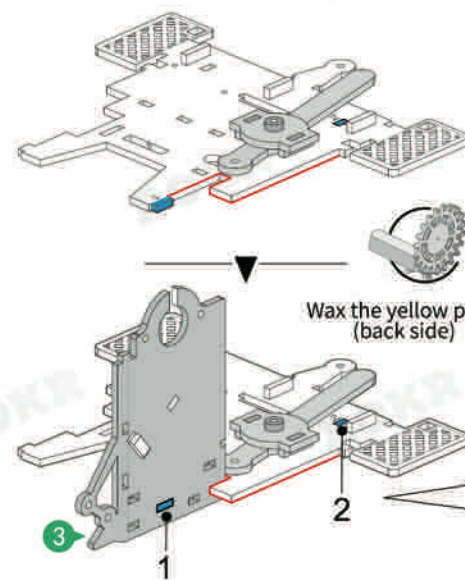
P10

A33

A31

A32

P19

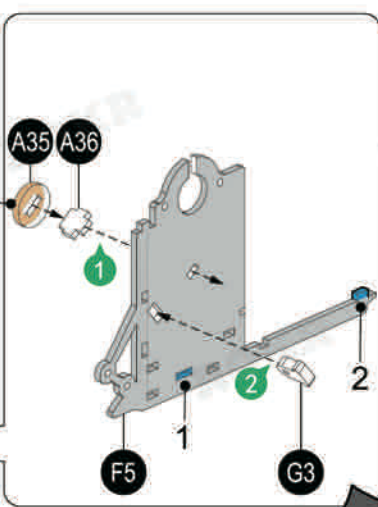


3

1

Wax the yellow parts
(back side)

2

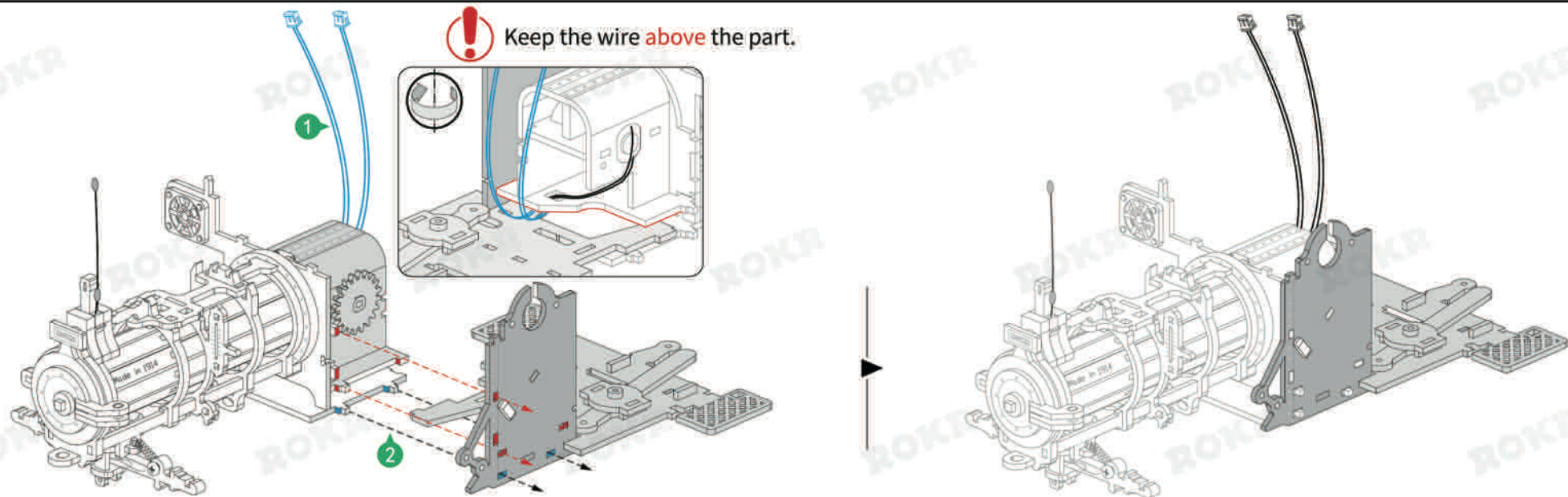


A35

A36

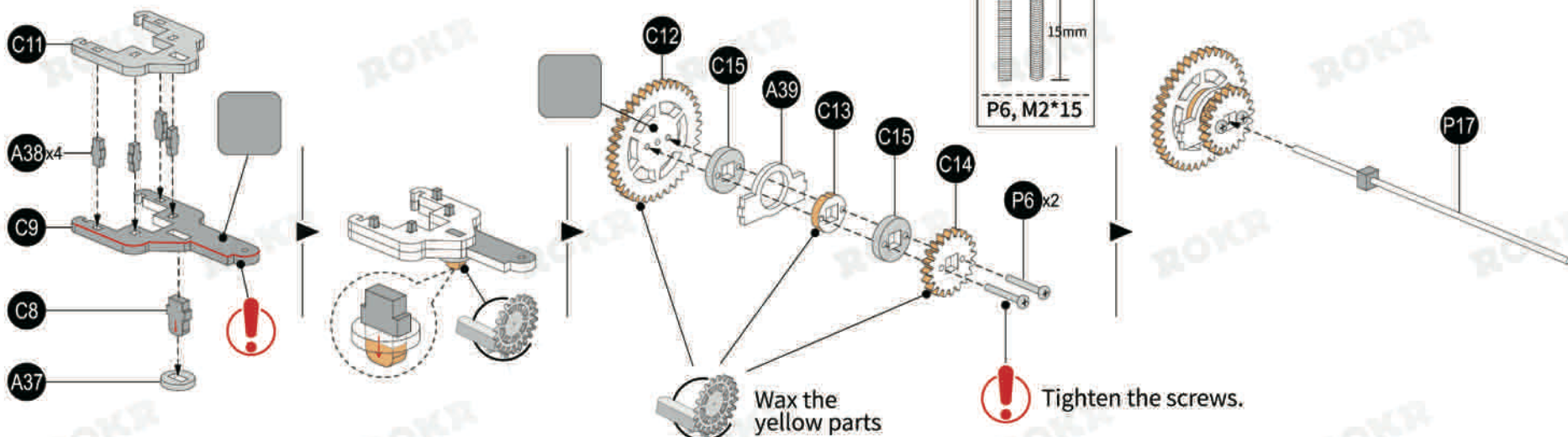
F5

G3



6

- | | |
|-------|-------|
| A37 | C15x2 |
| A38x4 | P6 x2 |
| A39 | P17 |
| C8 | |
| C9 | |
| C11 | |
| C12 | |
| C13 | |
| C14 | |



A40

A41

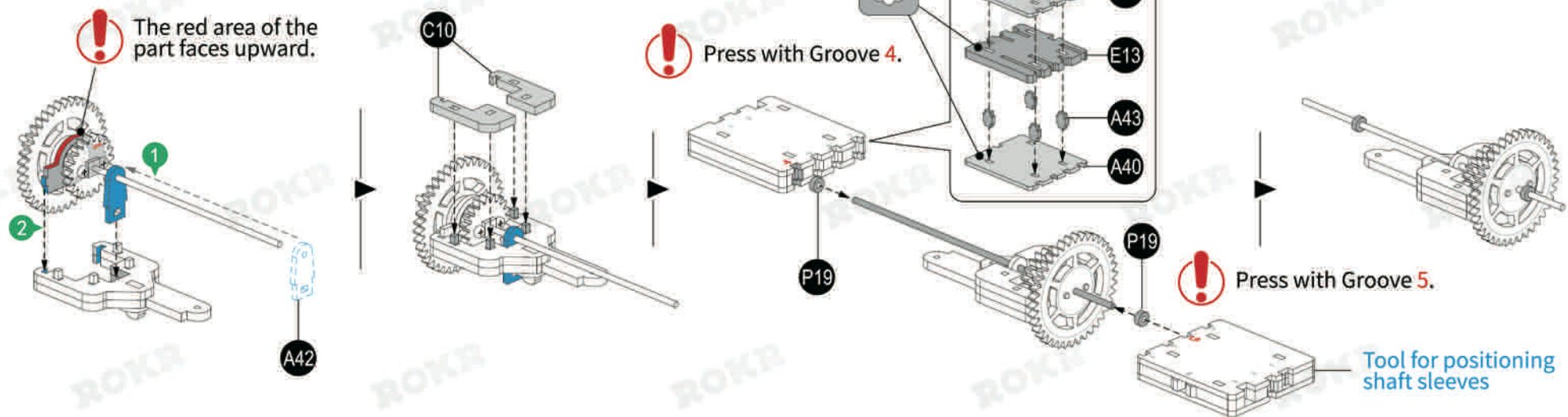
A42

A43x4

C10x2

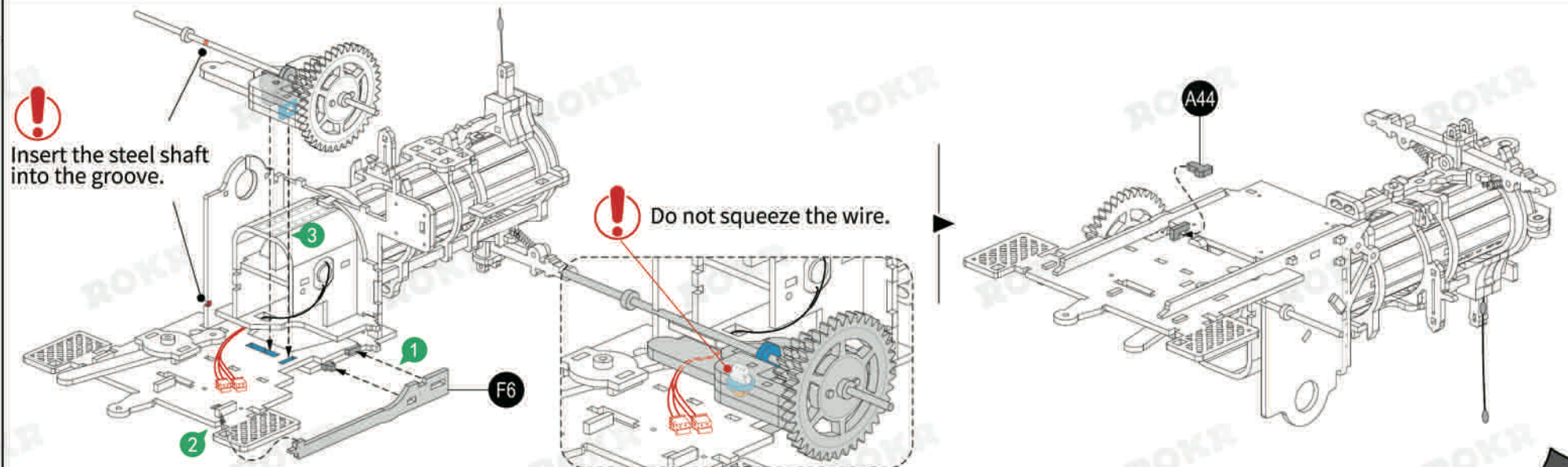
E13

P19v2



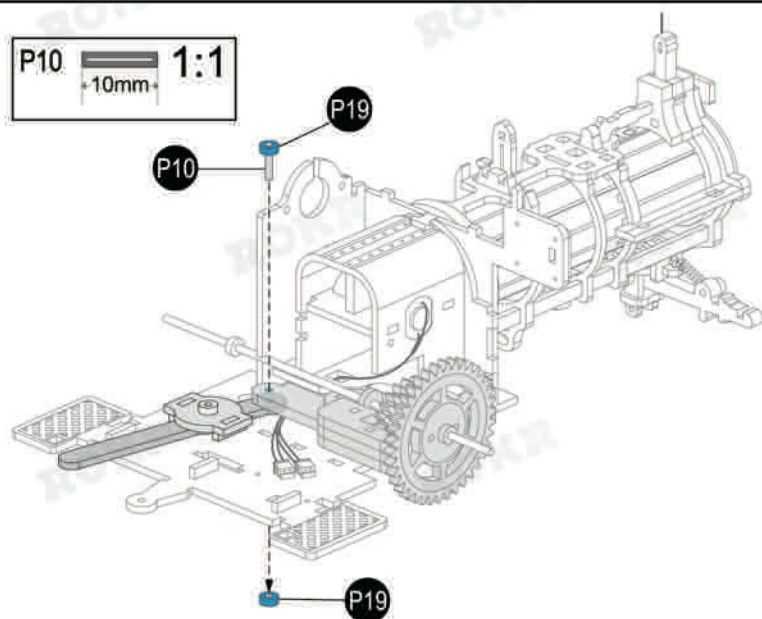
A44

F6



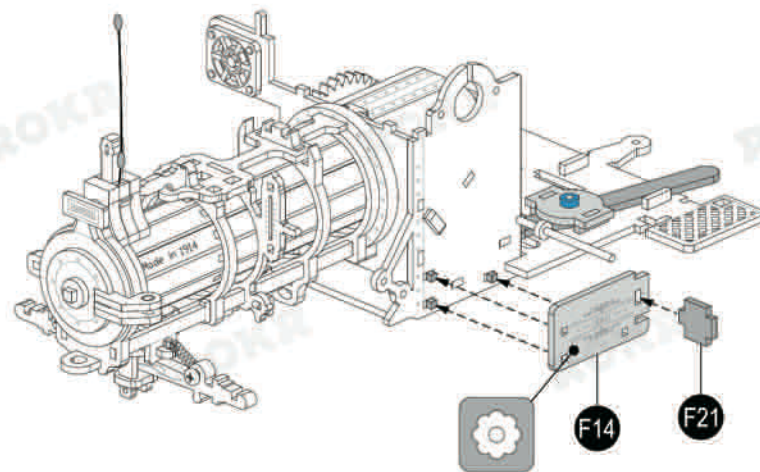
P10
P19x2

P10 1:1
10mm

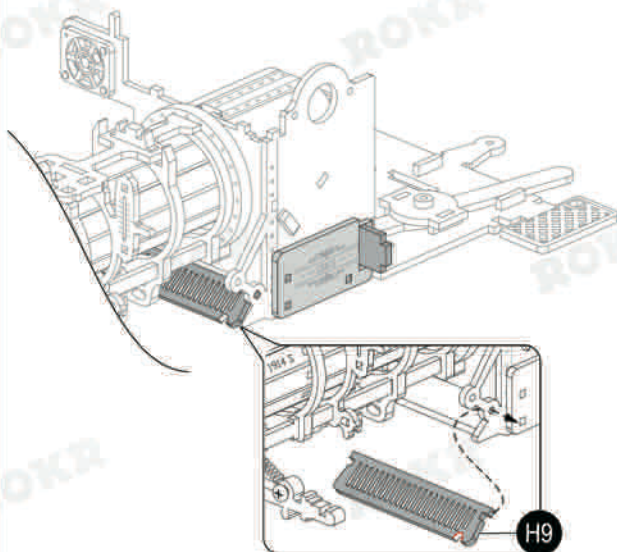


7

F14
F21



H9

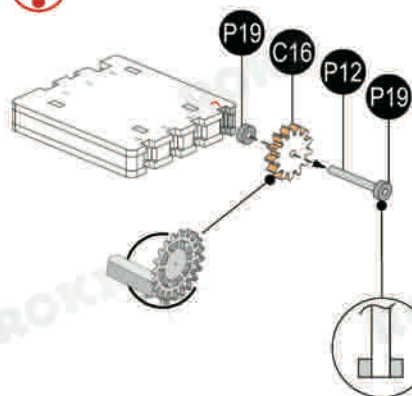


8

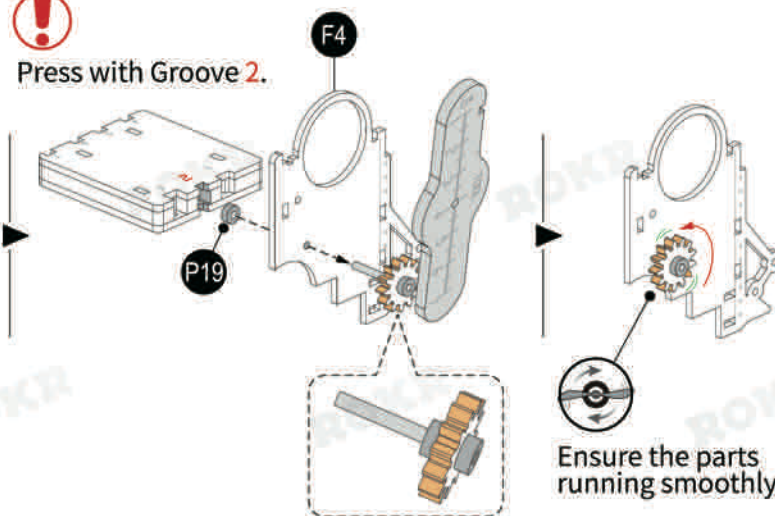
C16
F4
P12
P19x3

P12 1:1
20mm

! Press with Groove 7.



Press with Groove 2.



Ensure the parts running smoothly

A45

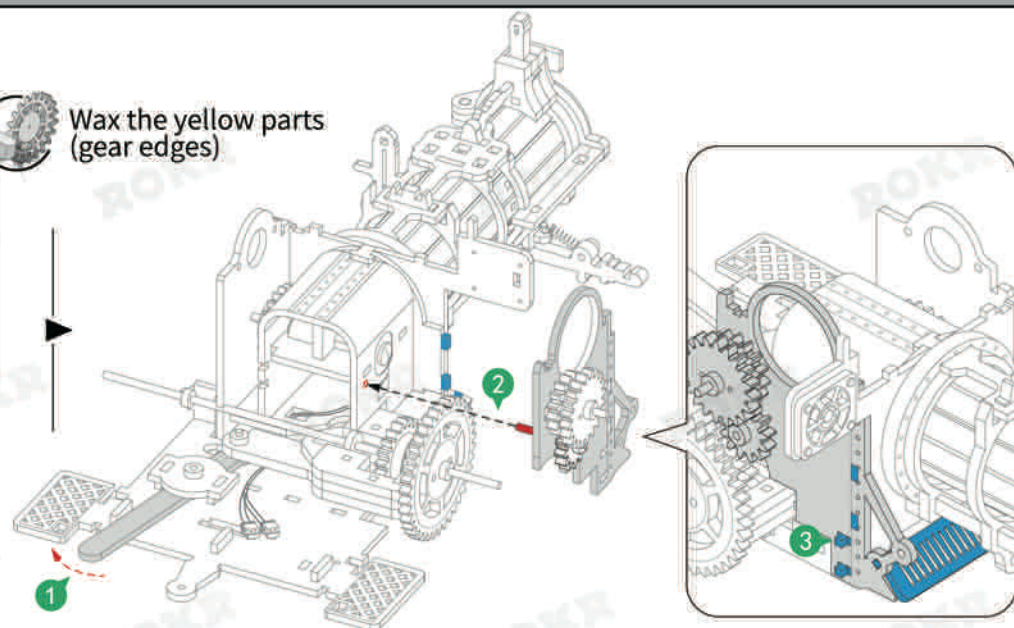
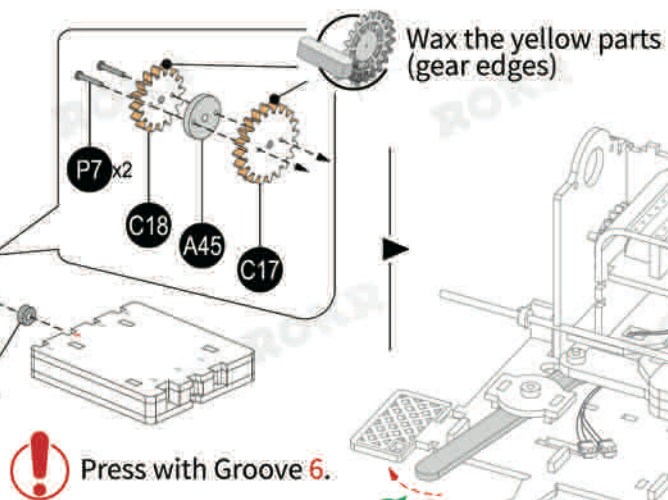
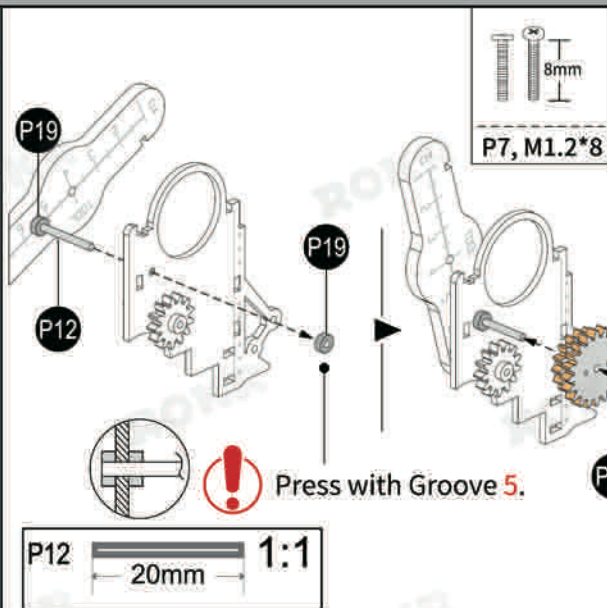
C17

C18

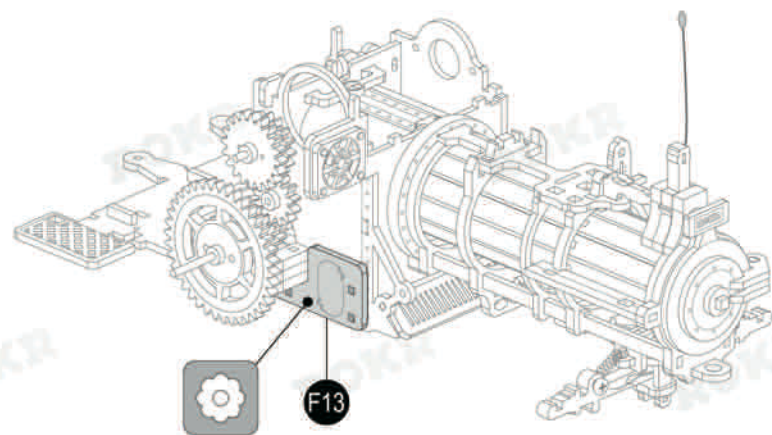
P7 x2

P12

P19 x3



F13



9

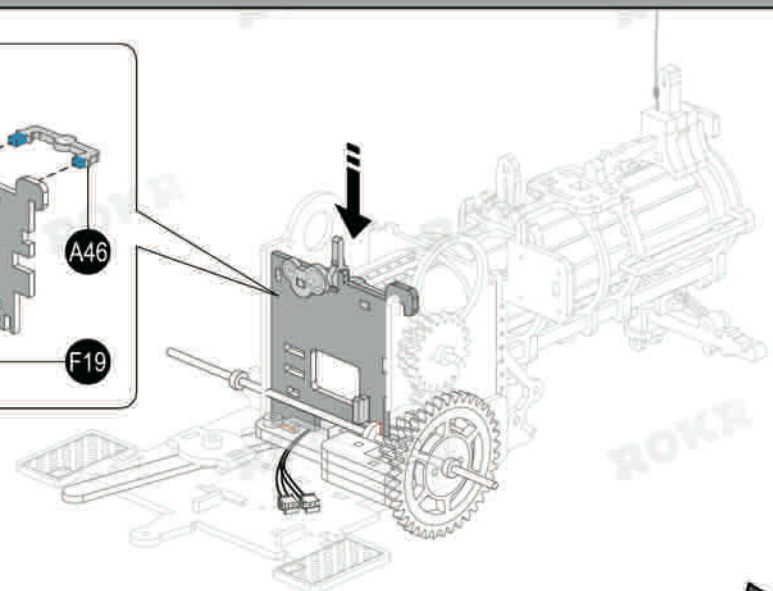
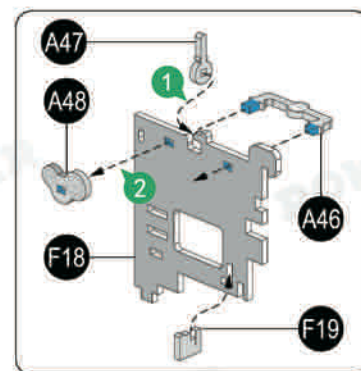
A46

A47

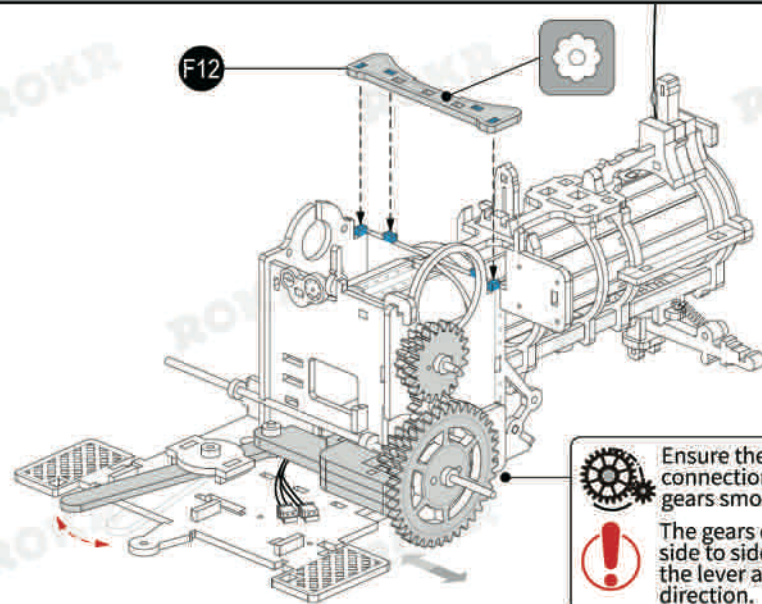
A48

F18

F19



F12
P22
P23



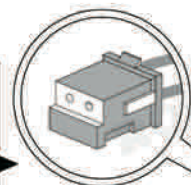
Connect the motor wire and the light wire to these two ports.



Connect the battery box to this port.



Install the batteries and test the light and the motor. If they cannot work, check if their terminals are inserted correctly and circuits are damaged.



P23

P22

"AAA" LR03/AM4

2 "AAA LR03/AM4 1.5V" batteries are NOT included.

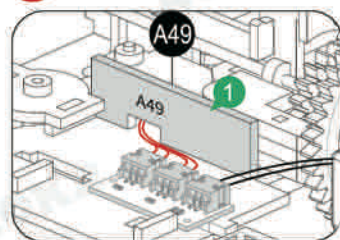
X2



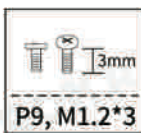
A49
A50
F16
F17 x2
P9 x2



Do not squeeze the wires.



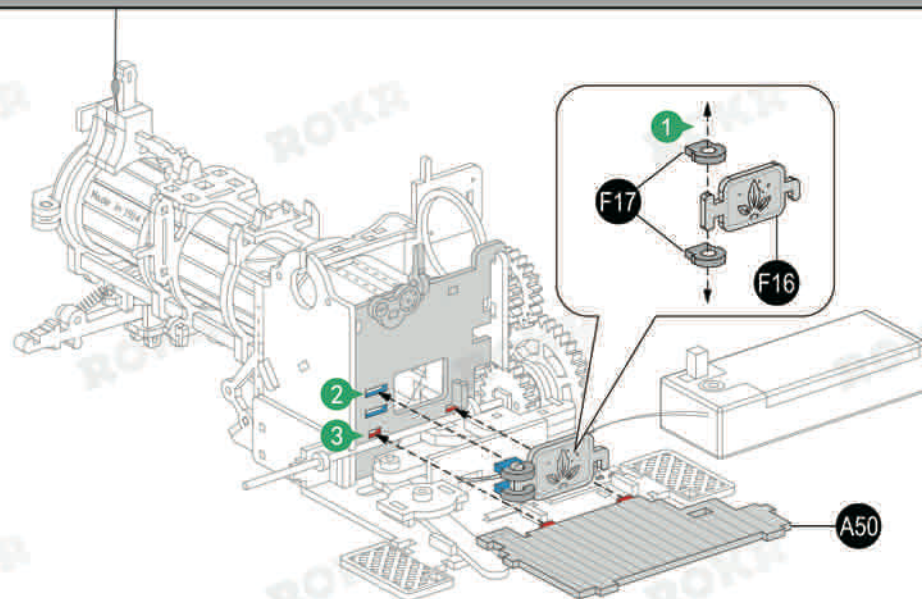
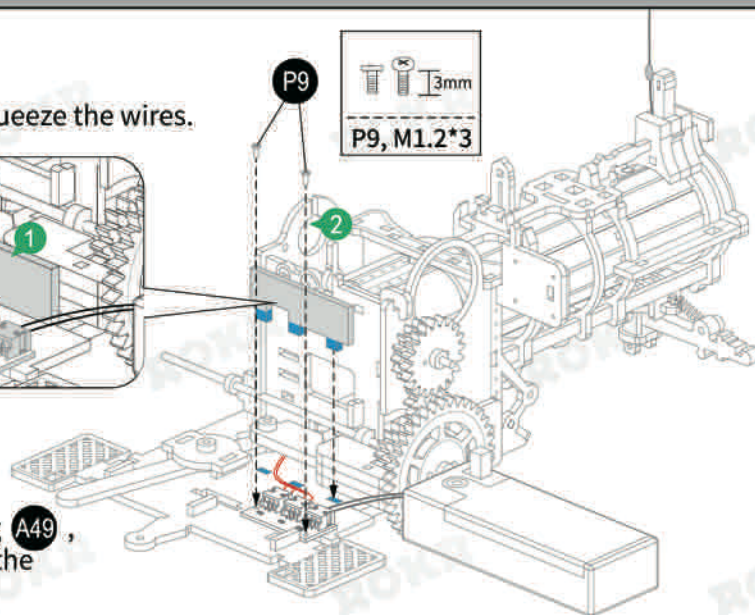
P9



2



After assembling A49, slightly pull out the extra wires.



A50

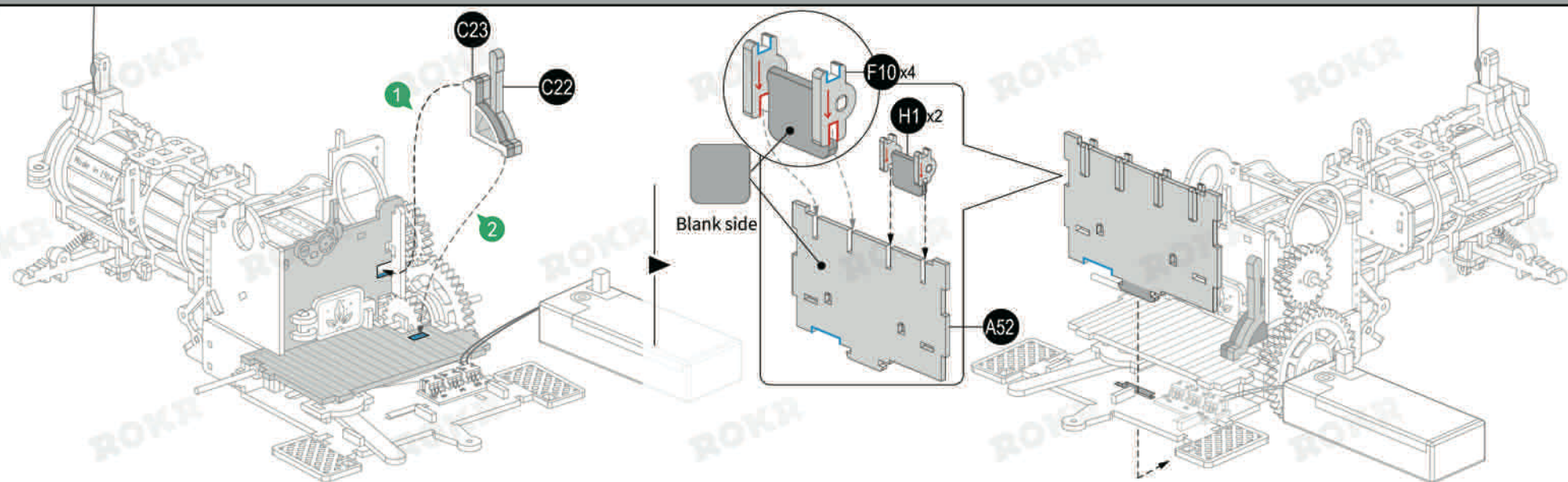
A52

C22

C23

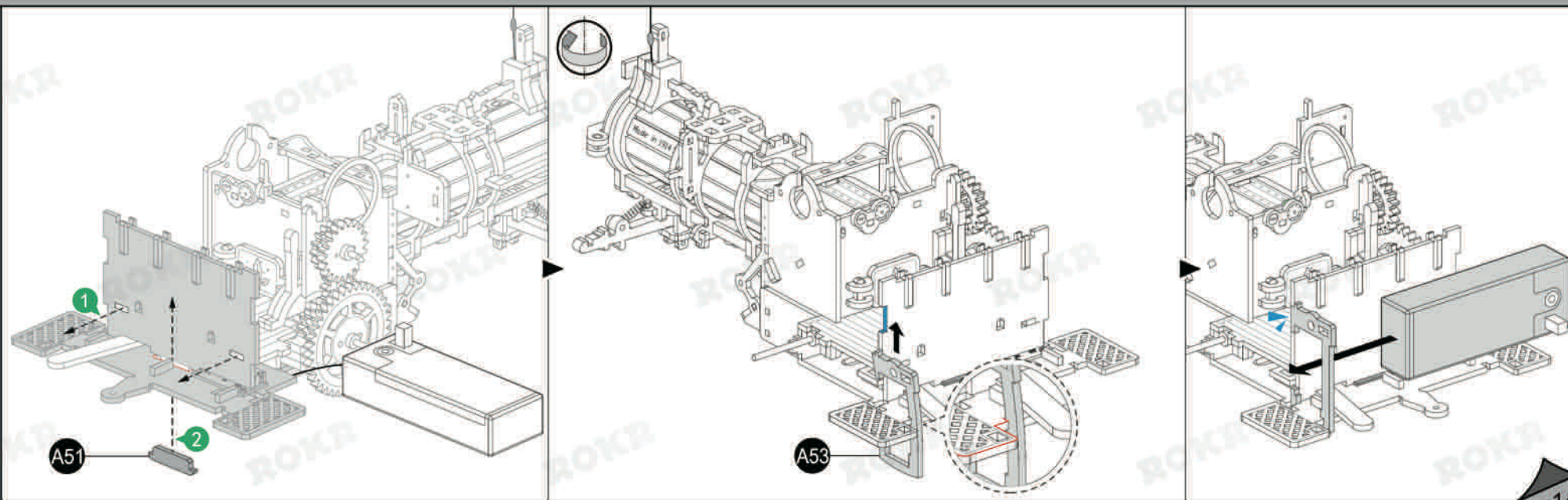
F10 x4

H1 x2

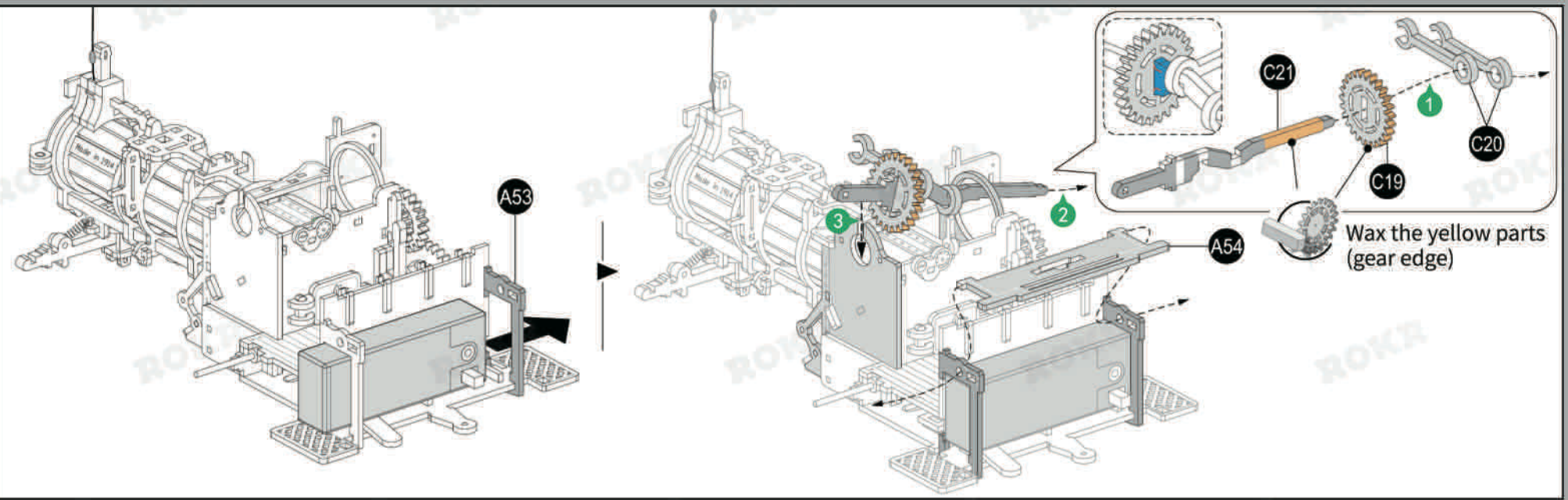


A51

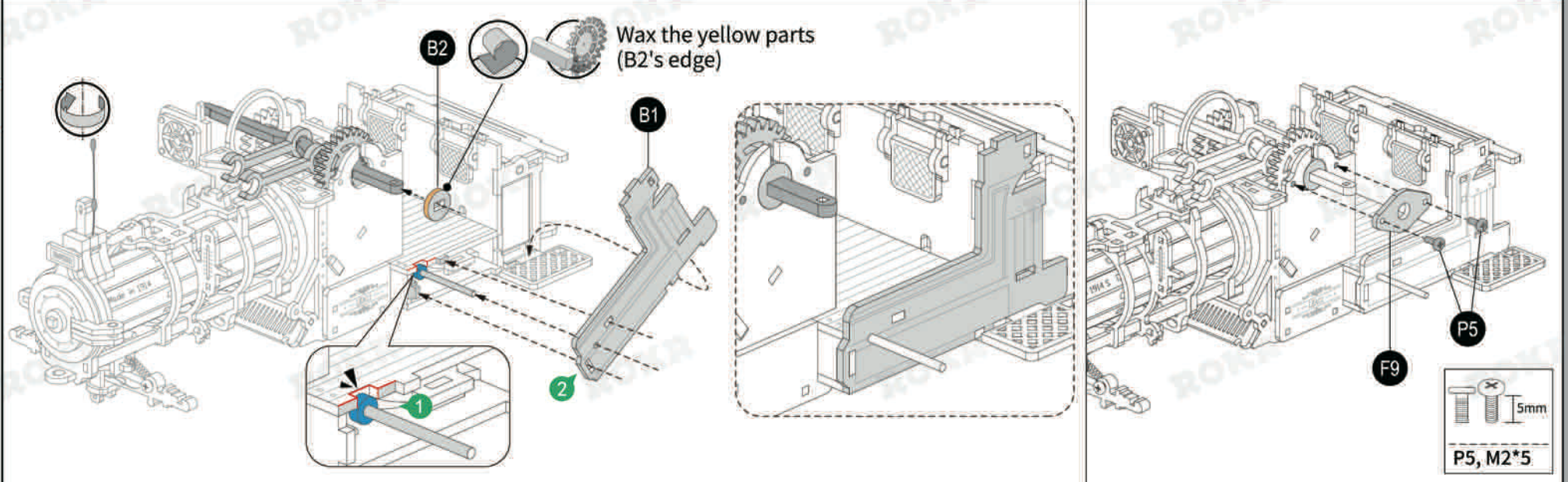
A53



- A53
- A54
- C19
- C20x2
- C21



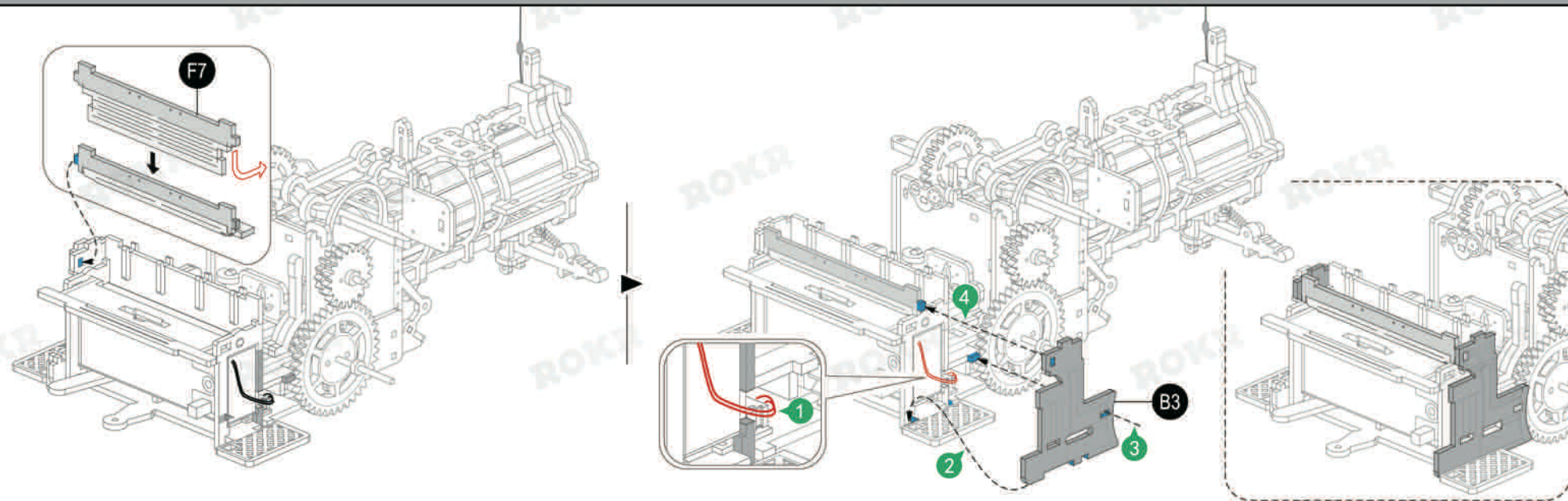
- B1
- B2
- F9
- P5 x2



10

B3

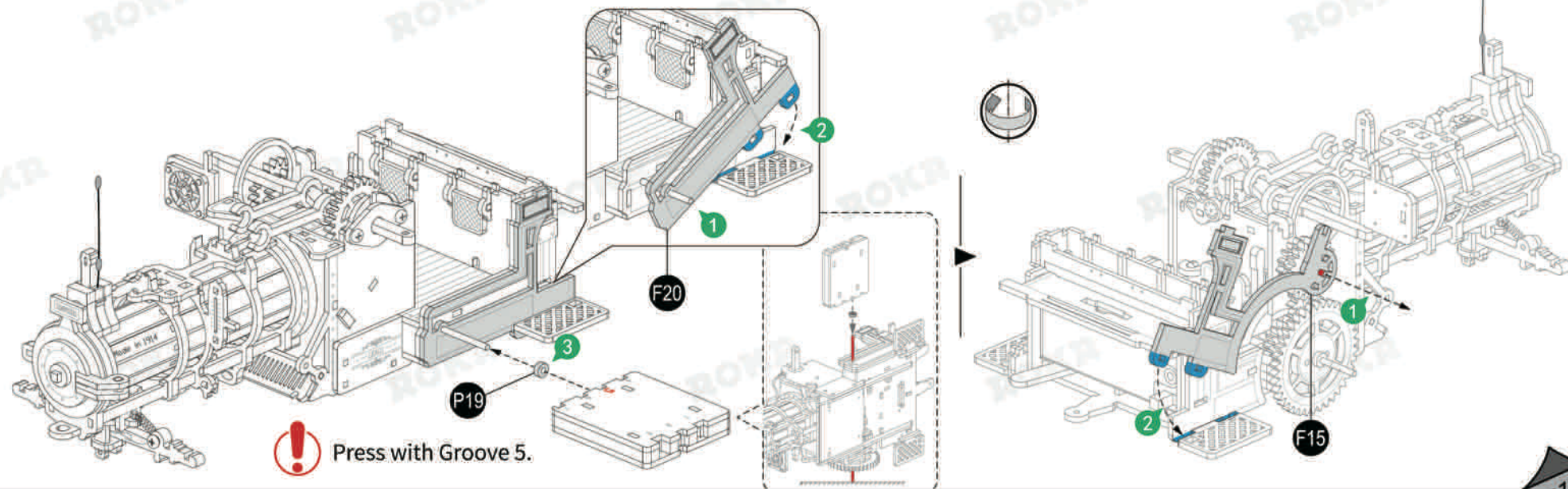
F7



F15

F20

P19

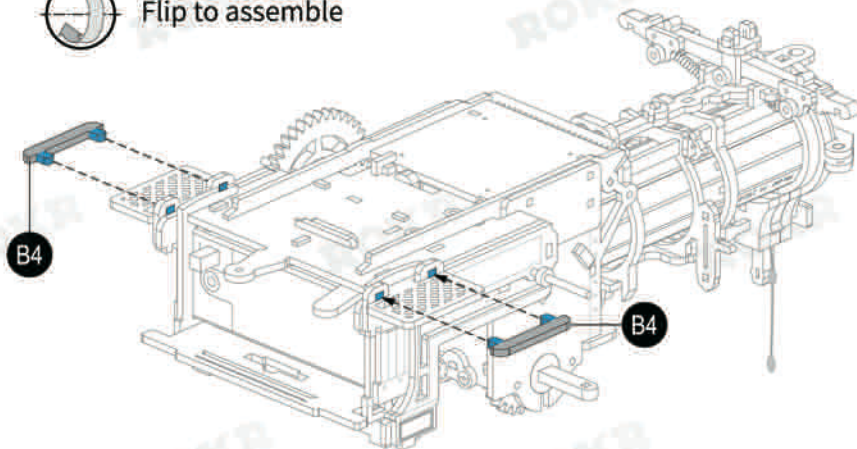


B4 x2

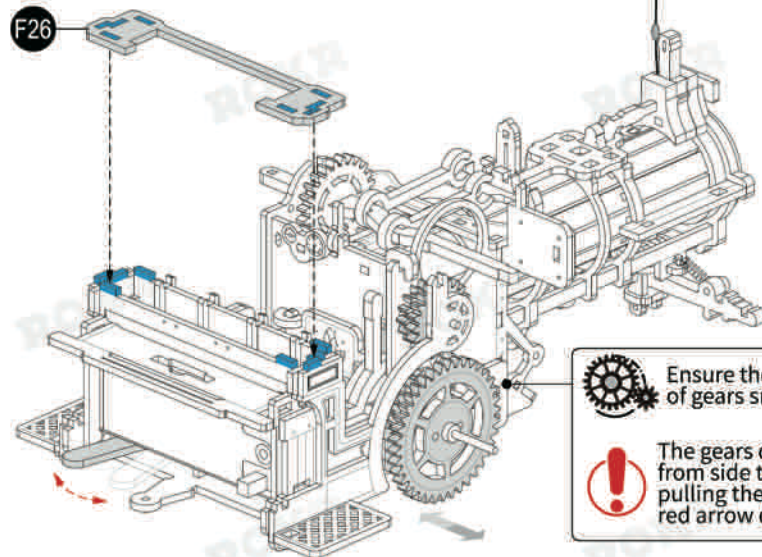
F26



Flip to assemble



F26



Ensure the connection of gears smoothly



The gears can move from side to side while pulling the lever as the red arrow direction.

B5

B6

C24

C25

C26

E11 x2

F32

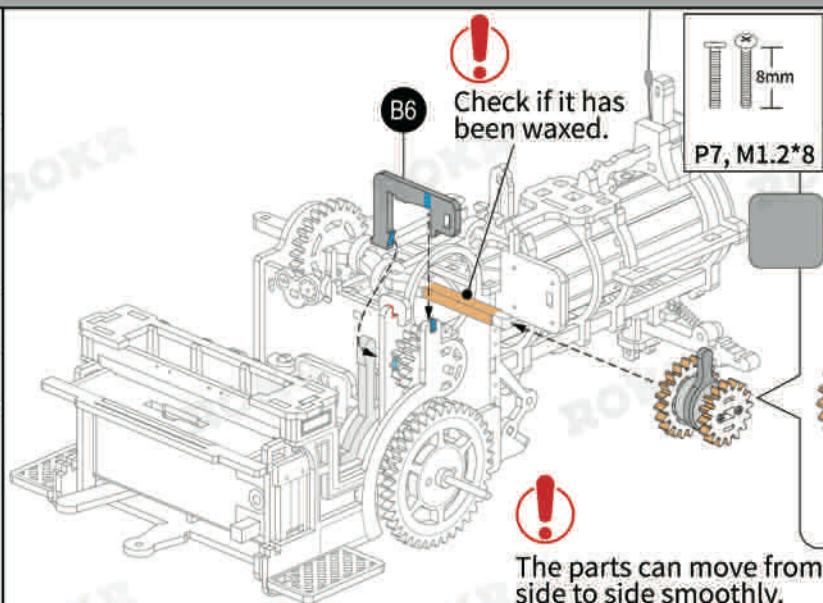
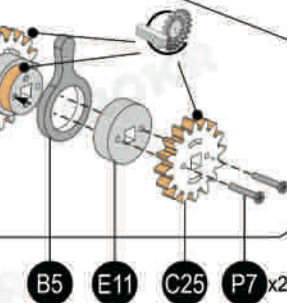
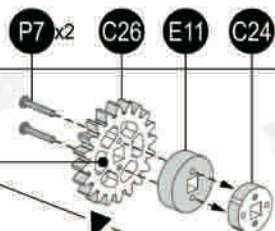
P7 x4



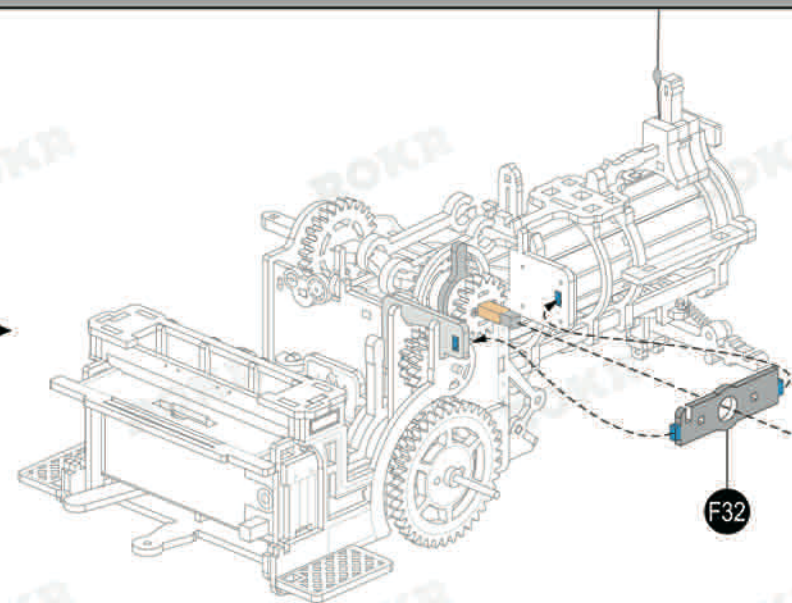
Check if it has been waxed.



P7, M1.2*8

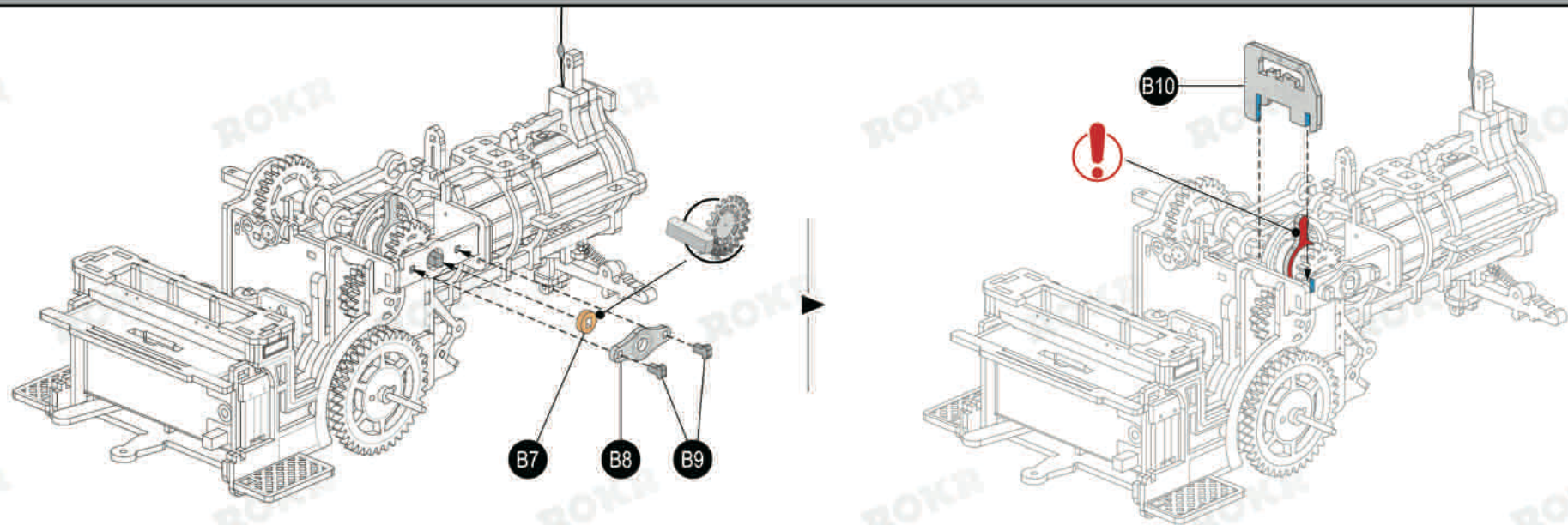


The parts can move from side to side smoothly.

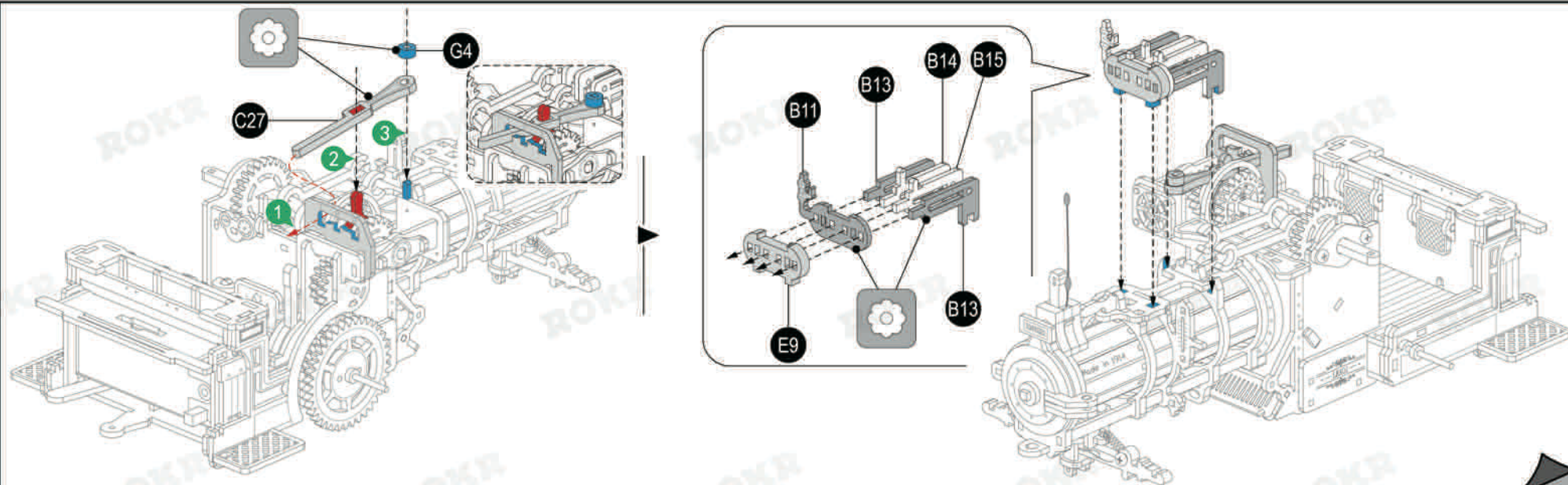


F32

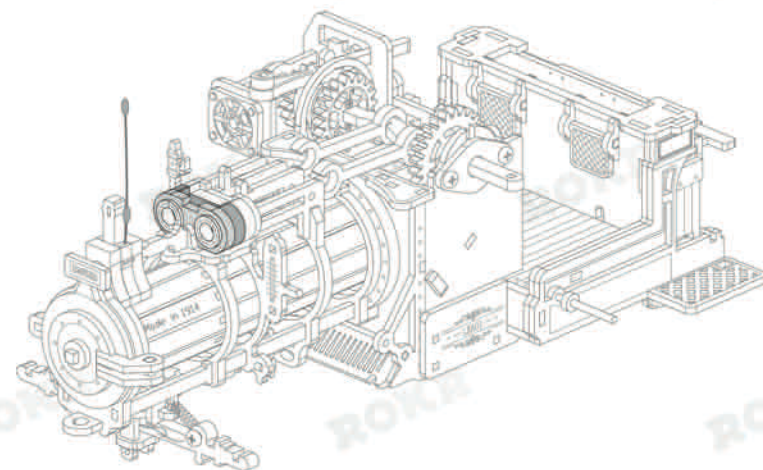
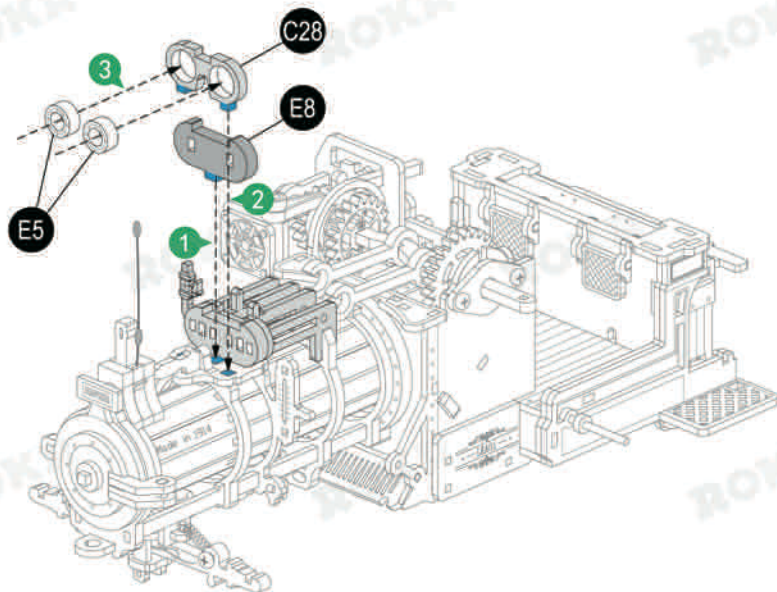
B7
B8
B9 x2
B10



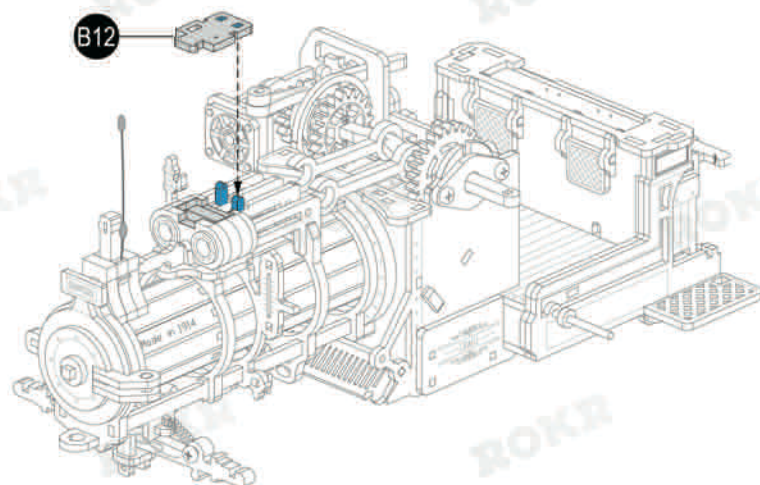
B11
B13 x2
B14
B15
C27
E9
G4




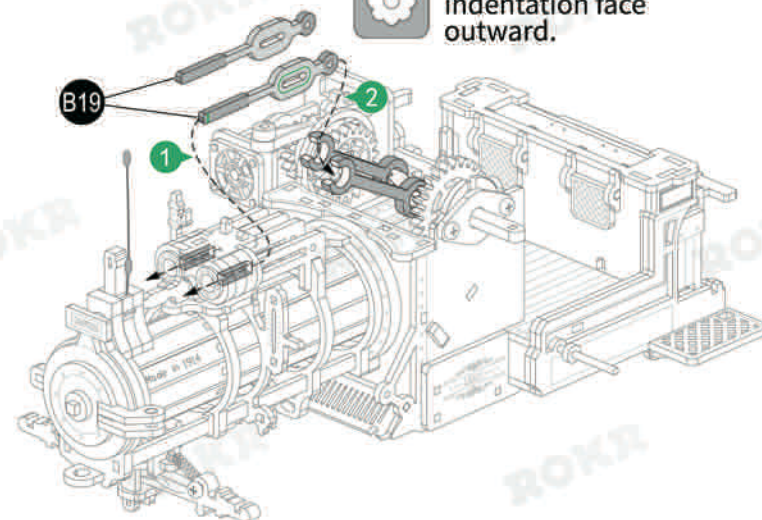
C28
E5 x2
E8



B12
B19 x2



 The sides with indentation face outward.



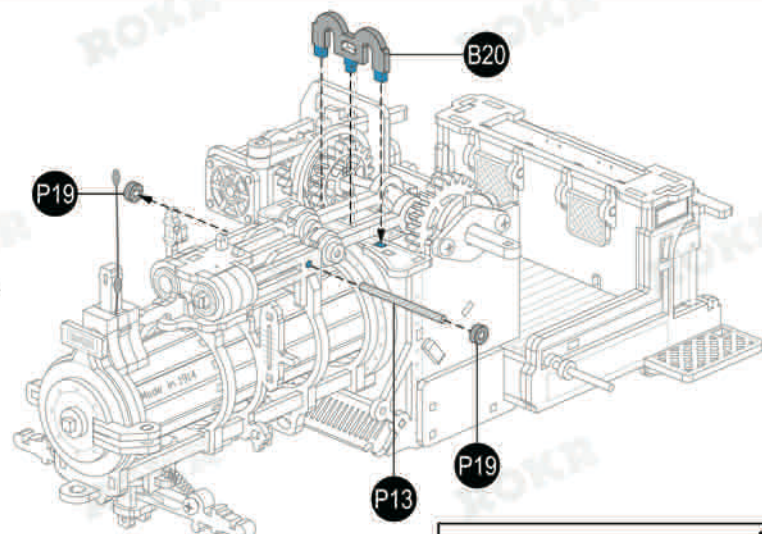
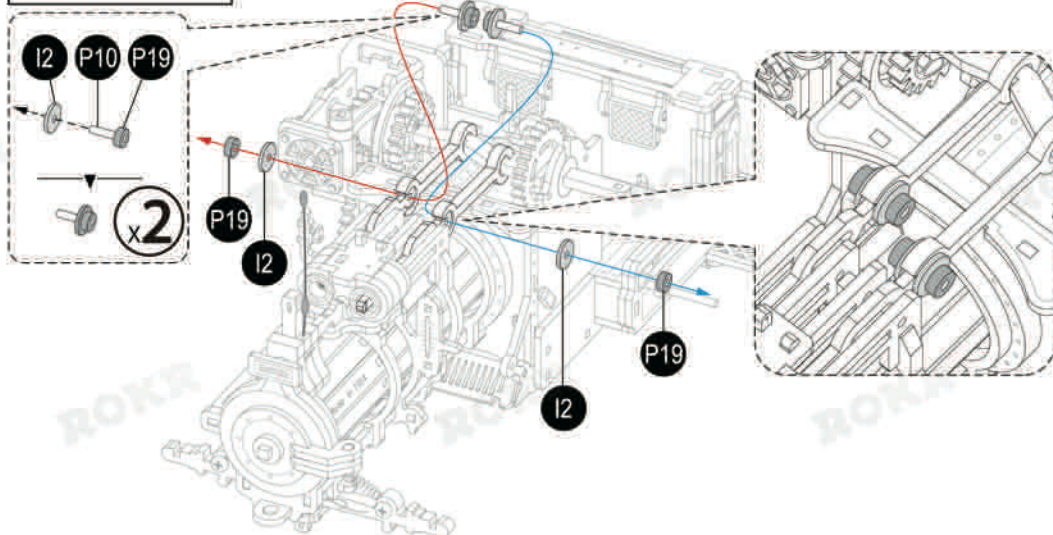
B20

I2 x4

P10 x2

P13

P19 x6

P10  1:1
10mmP13  1:1
30mm

B16

B17

B18

B21

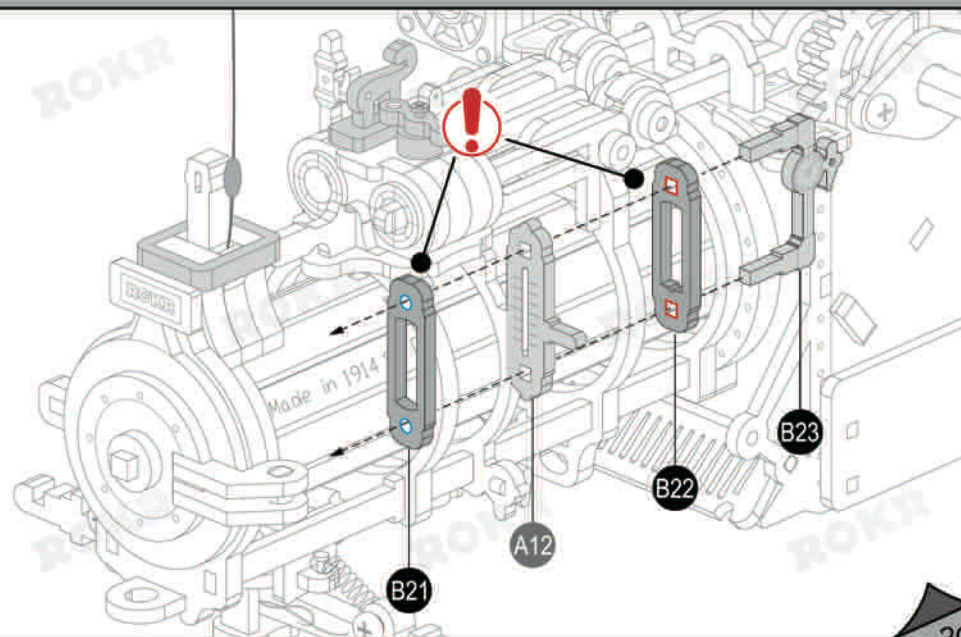
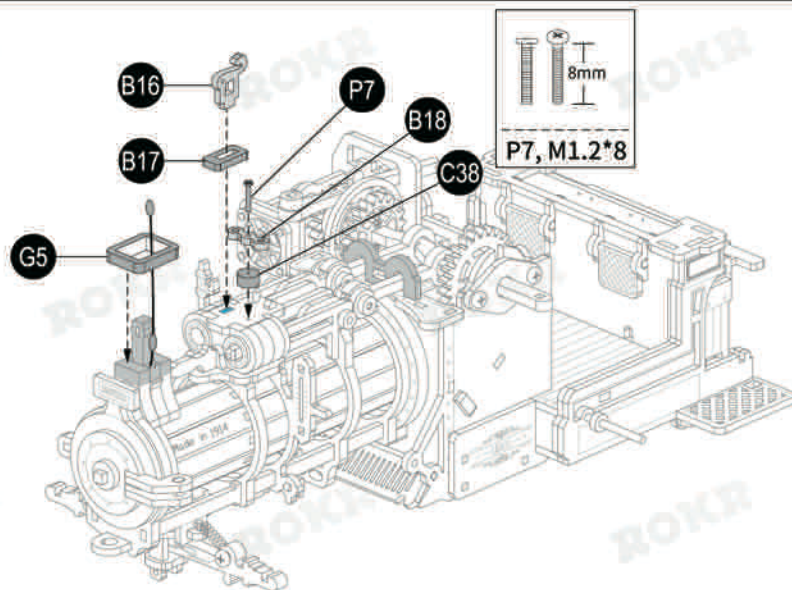
B22

B23

C38

G5

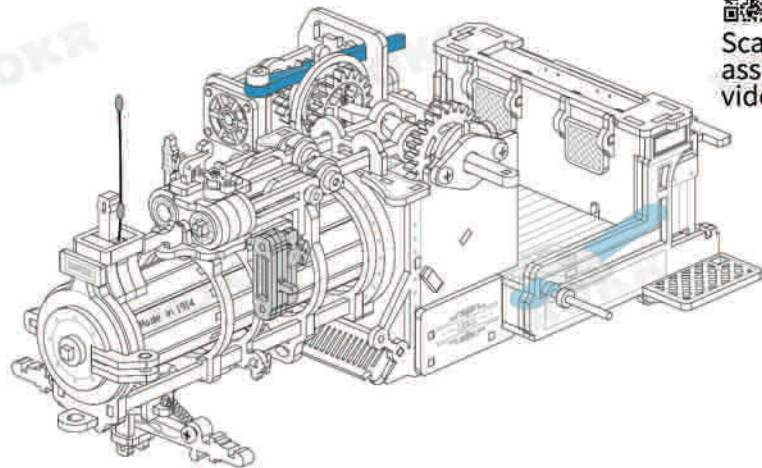
P7



Test: (Check if these two levers work according to **Page 34.**)



Scan for
assembling
videos



11

H13

P4

P16

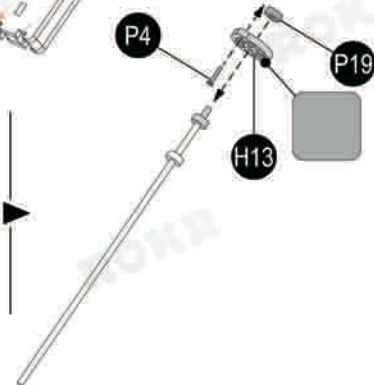
P19x3



Press with Groove 5.



Press with
Groove 6.



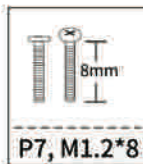
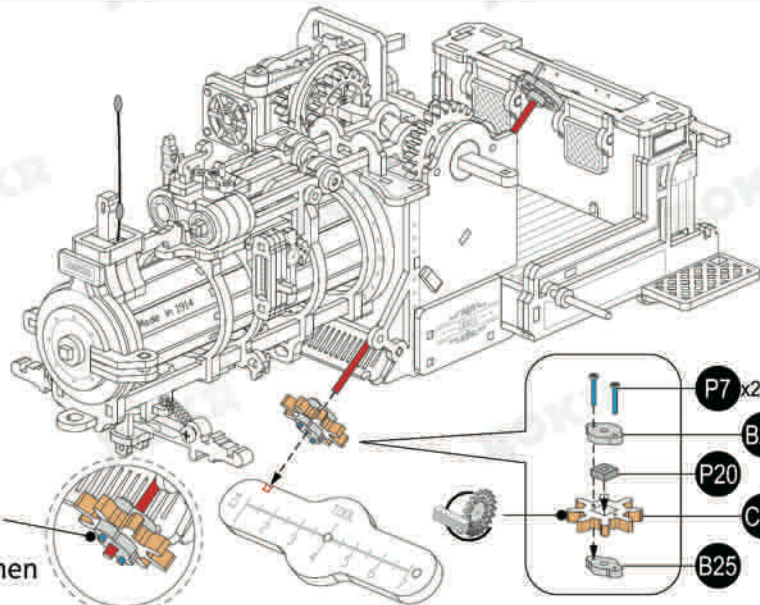
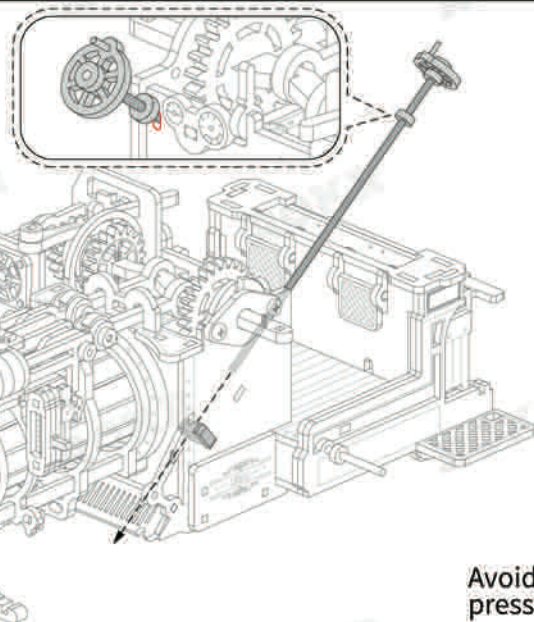
B24

B25

C48

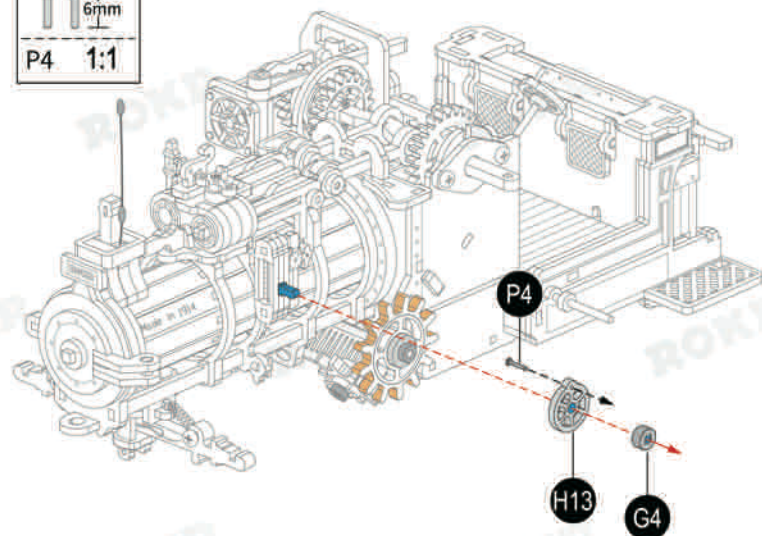
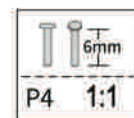
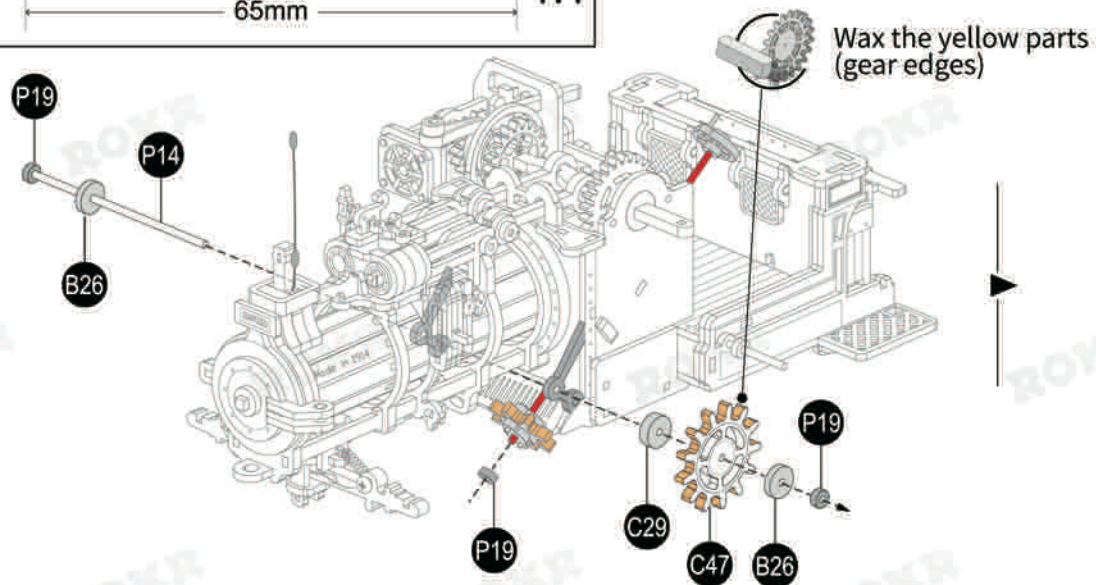
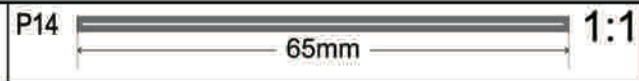
P7 x2

P20



Avoid the screws when
pressing with E14.

B26x2
C29
C47
H13
G4
P4
P14
P19x3

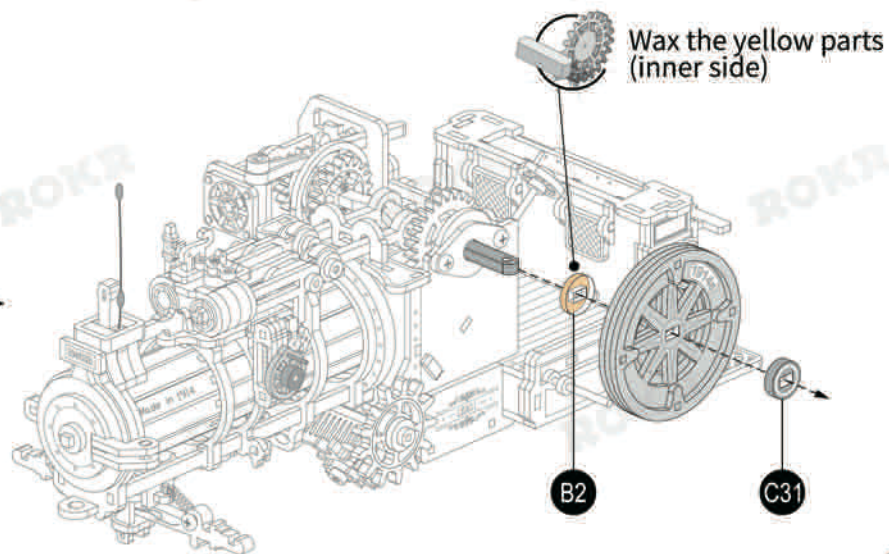
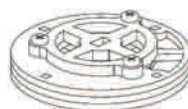
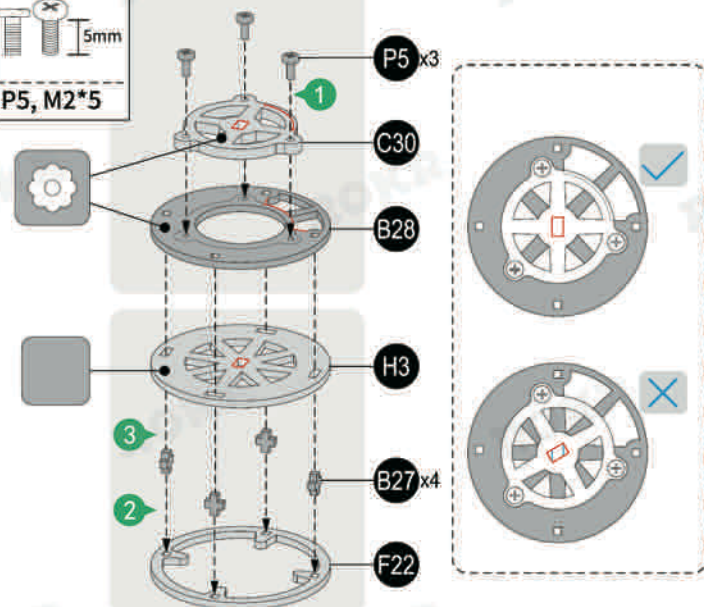


12

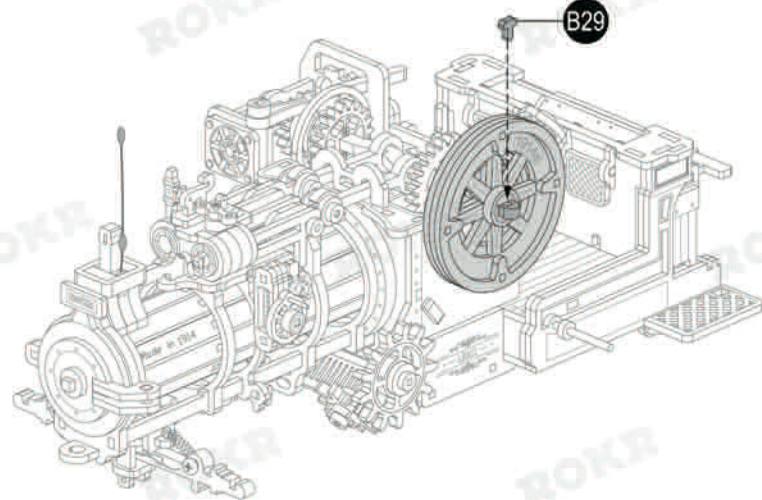


P5, M2*5

B2
B27x4
B28
C30
C31
F22
H3
P5x3



B29



13

B30 x8

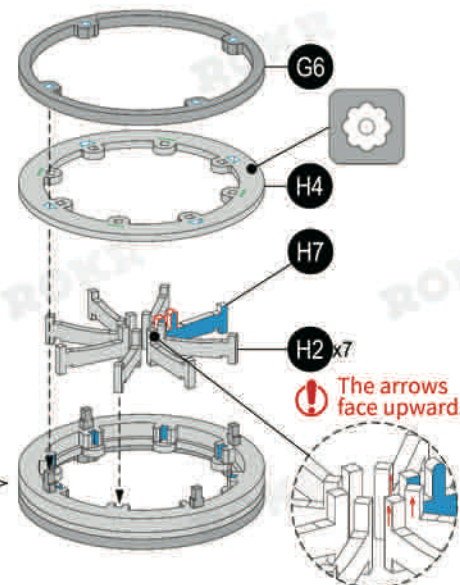
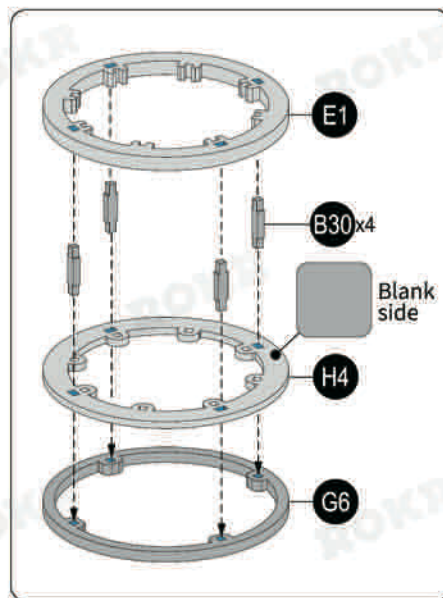
E1 x2

G6 x4

H2 x14

H4 x4

H7 x2



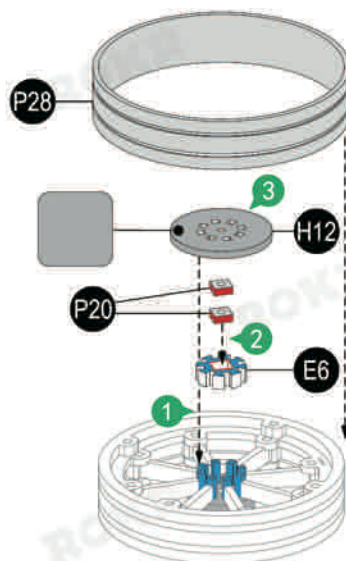
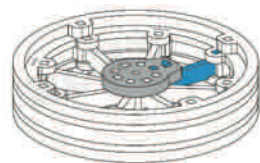
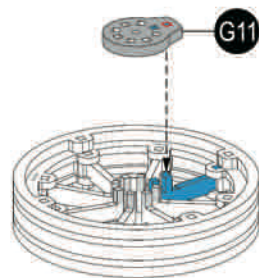
E6 x2

H12 x2

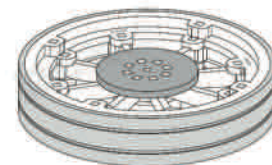
G11 x2

P20 x4

P28 x2



x2 Complete 2 same parts

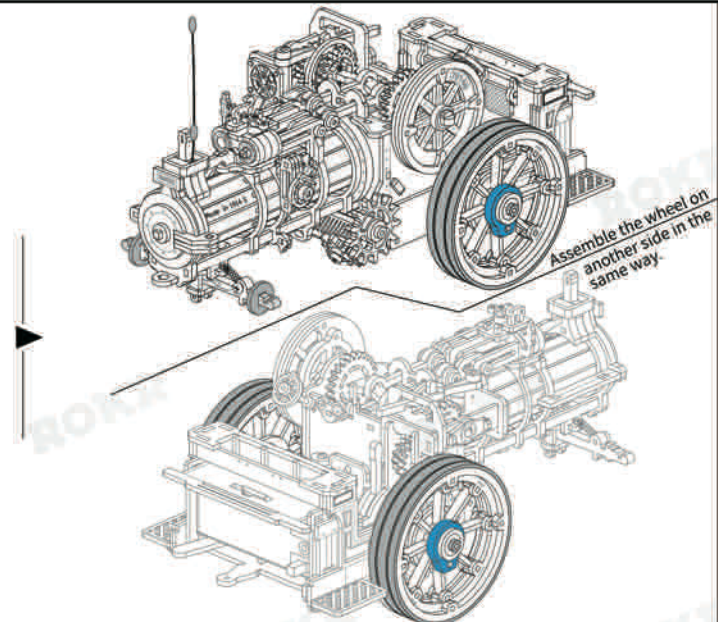
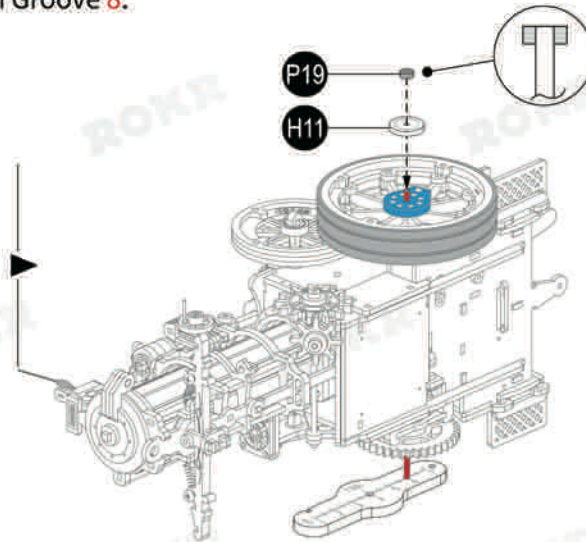
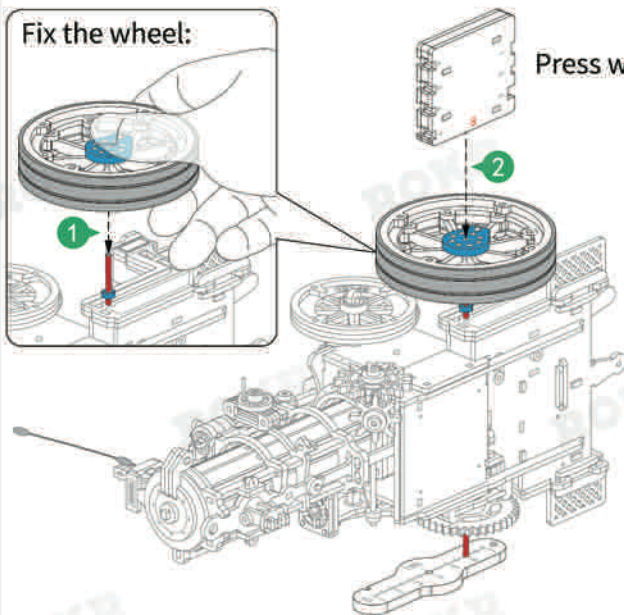


H11x2

P19x2

Fix the wheel:

Press with Groove 8.



14

B31x8

B32x2

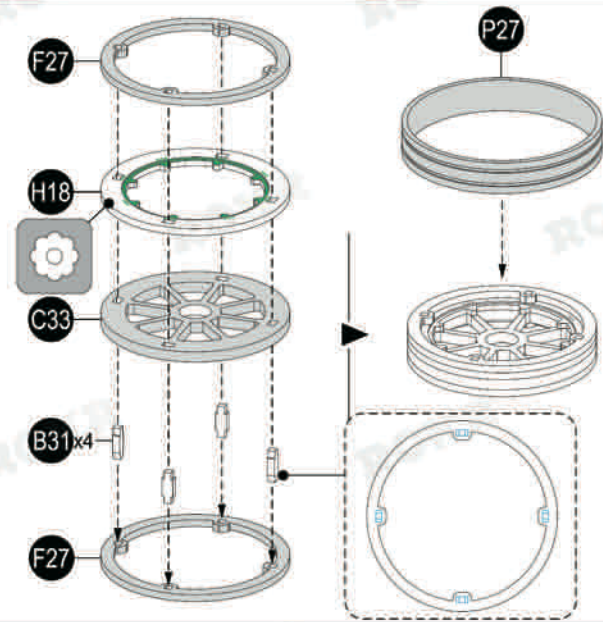
C32x2

C33x2

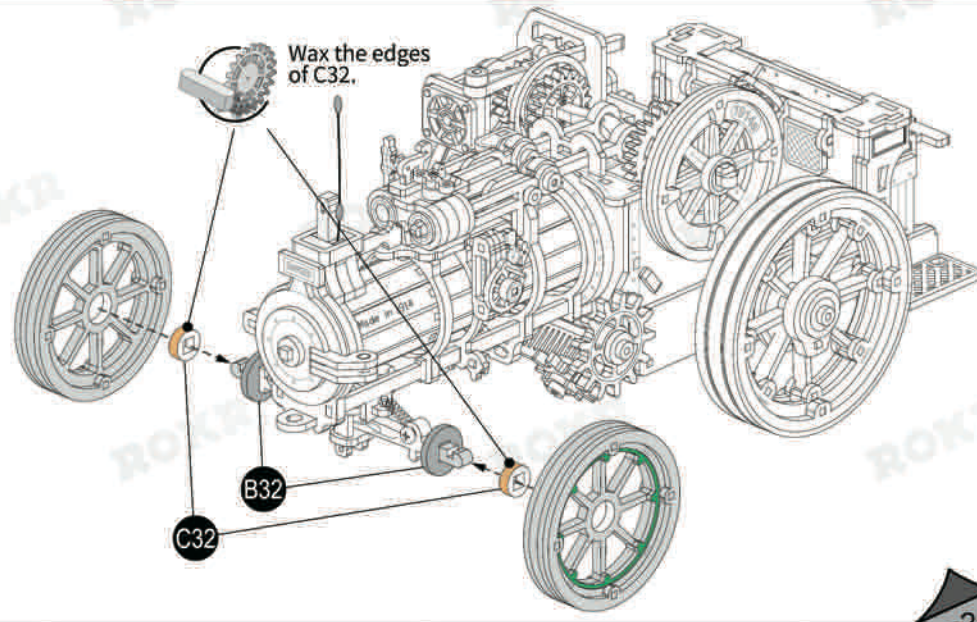
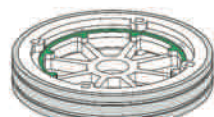
F27x4

H18x2

P27x2

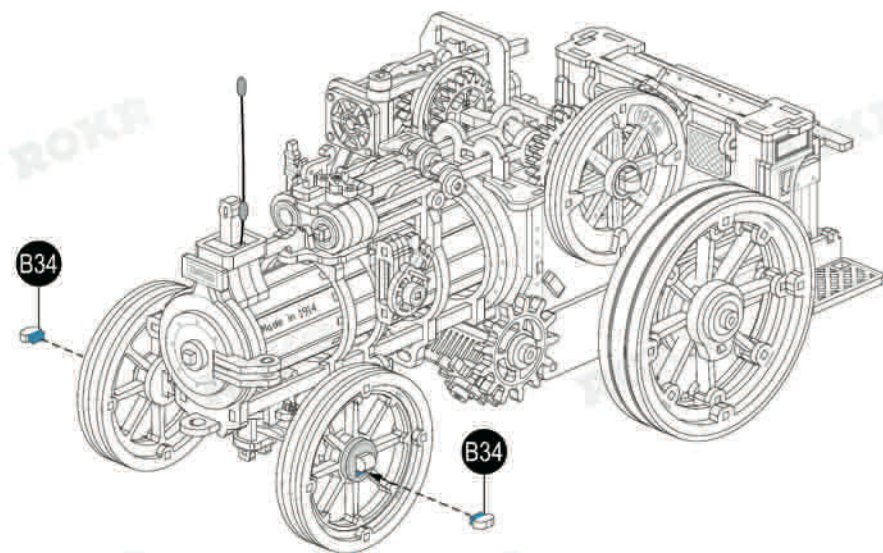
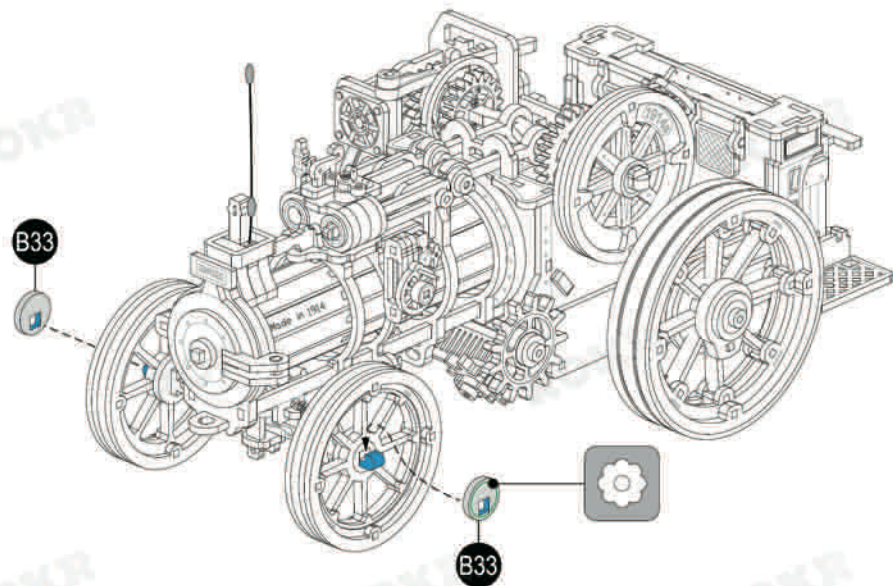


x2 Complete 2 same parts



B33x2

B34x2



15

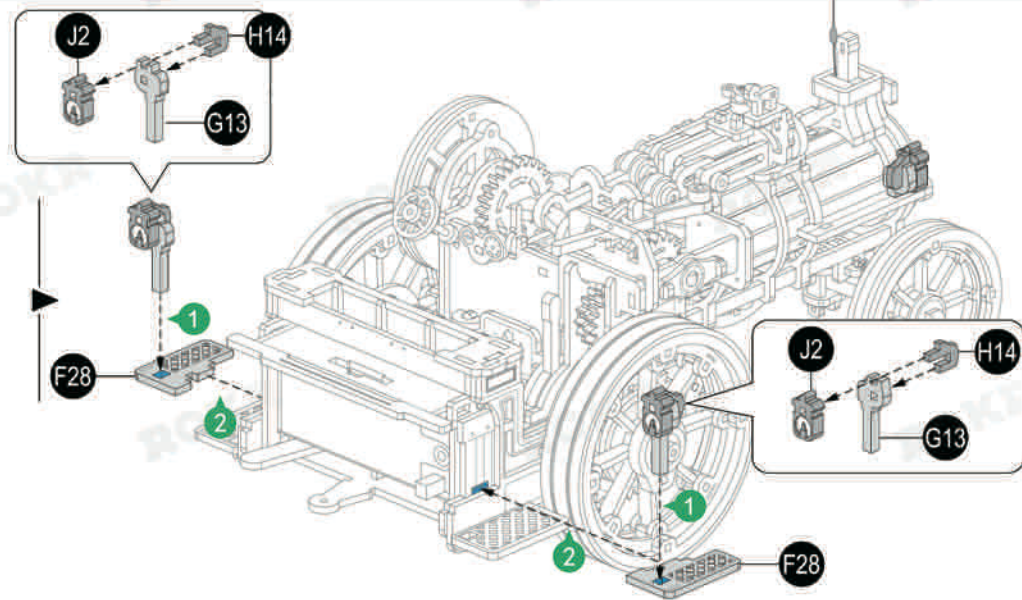
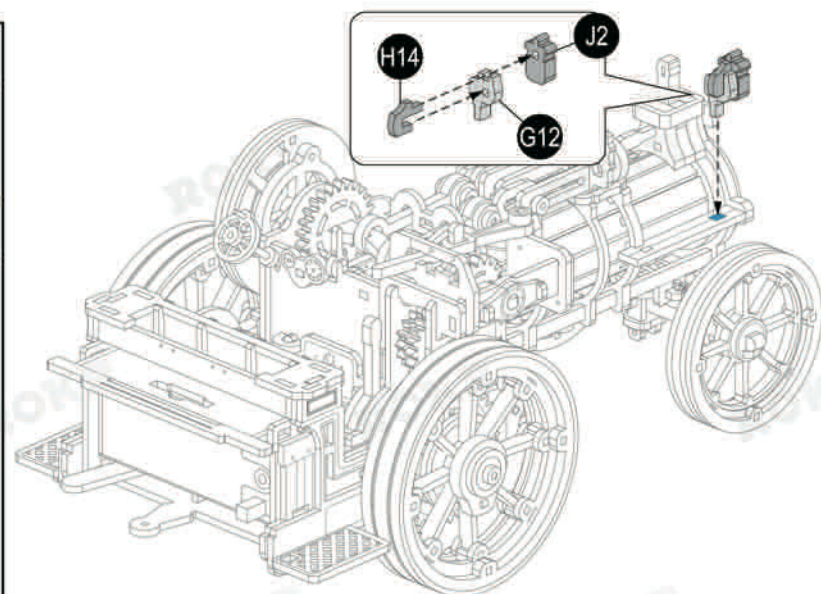
F28x2

G12

G13x2

H14x3

J2 x3



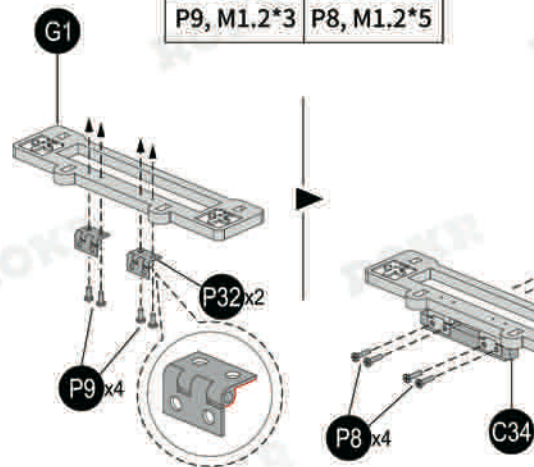
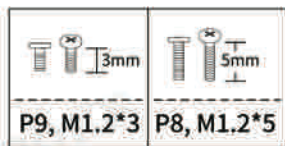
C34

G1

P8 x4

P9 x4

P32 x2



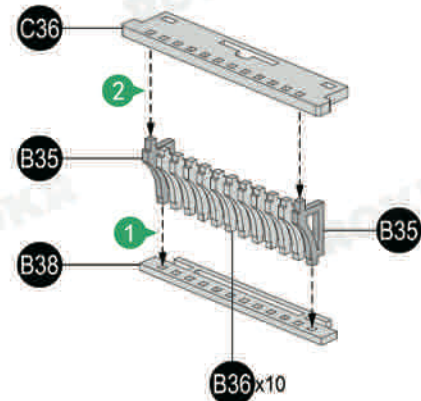
16

B35 x2

B36 x10

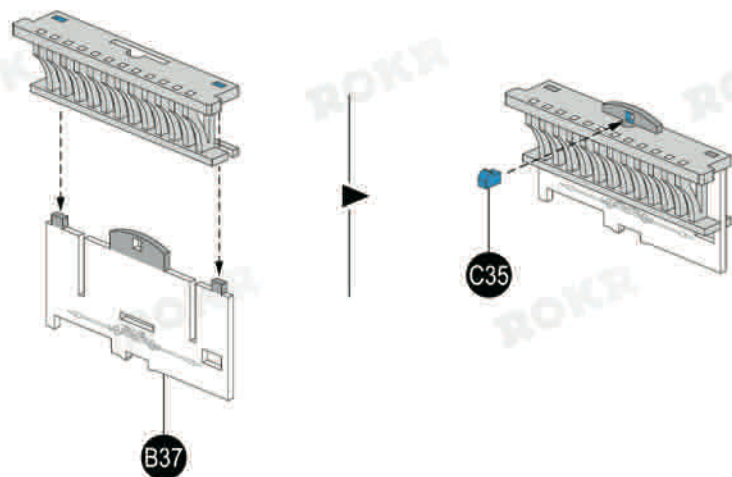
B38

C36

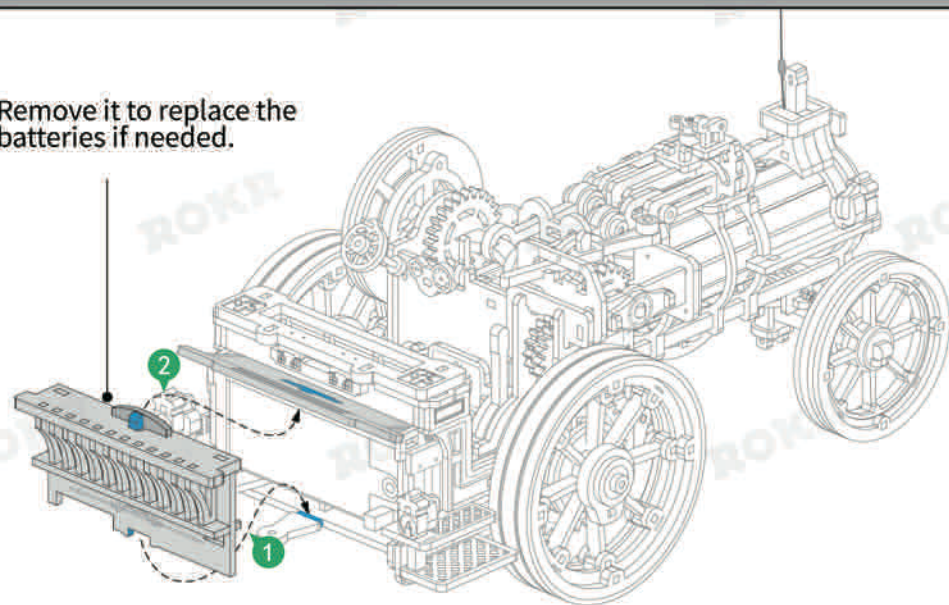


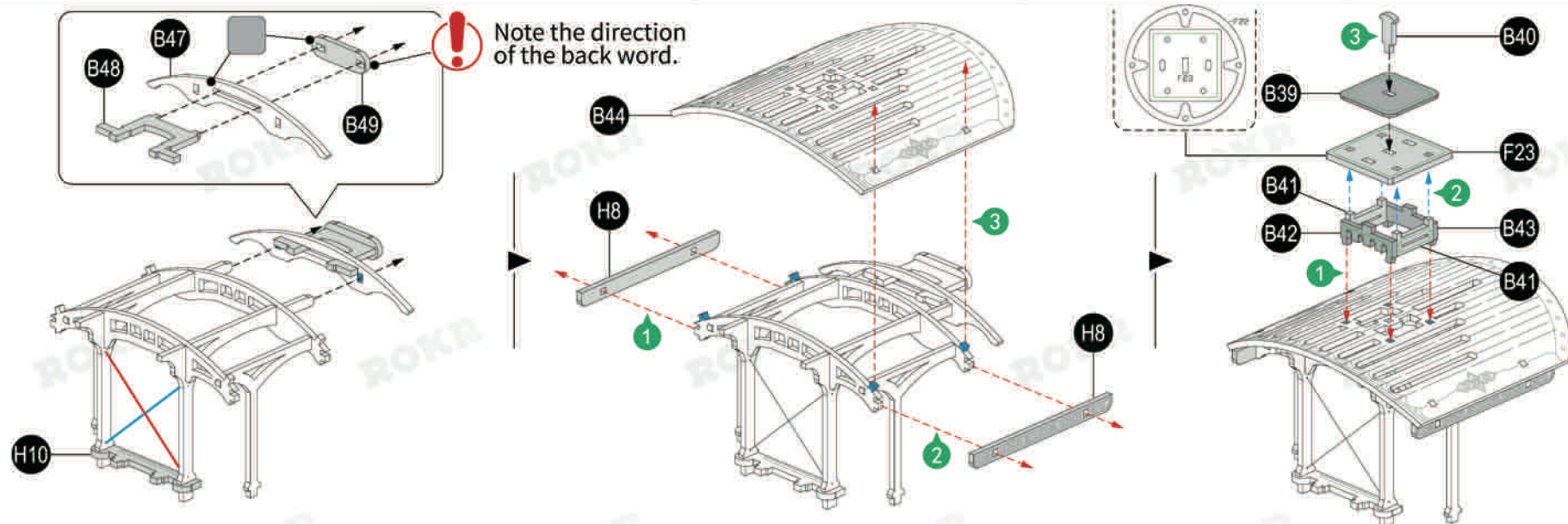
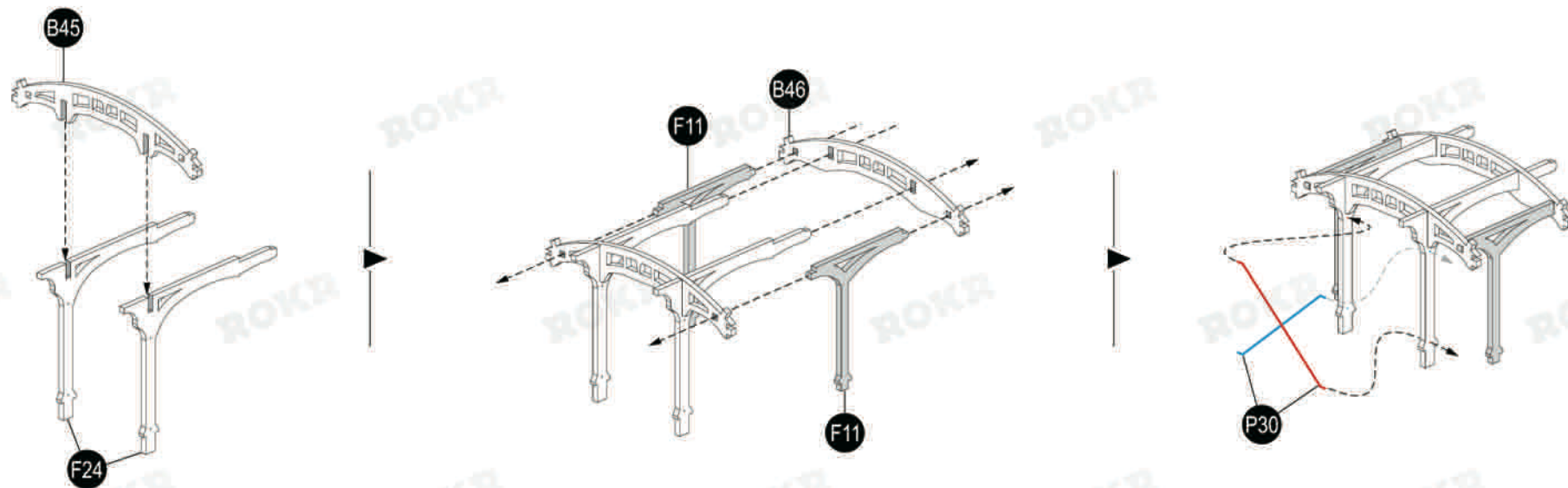
B37

C35

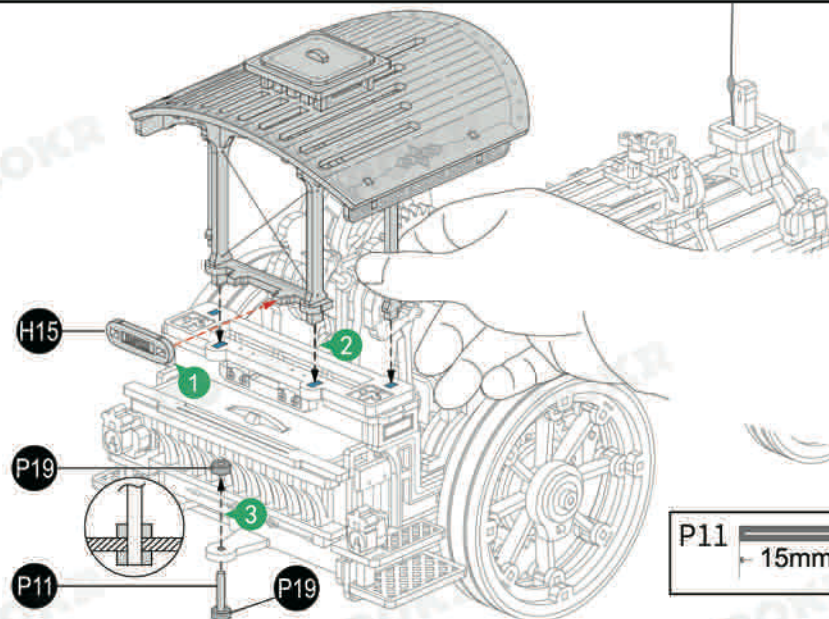


Remove it to replace the batteries if needed.





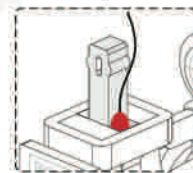
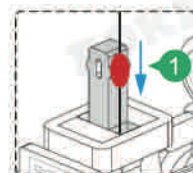
H5
H15
P11
P19x2
P26



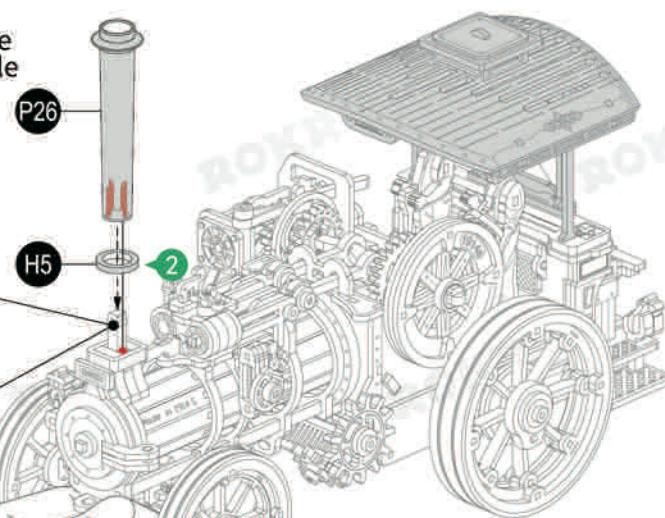
P11 15mm 1:1



Insert the light bead near the hole into the gap to assemble P26 easily.



Hold here to prevent wheels breaking under excessive pressure while assembling P26.



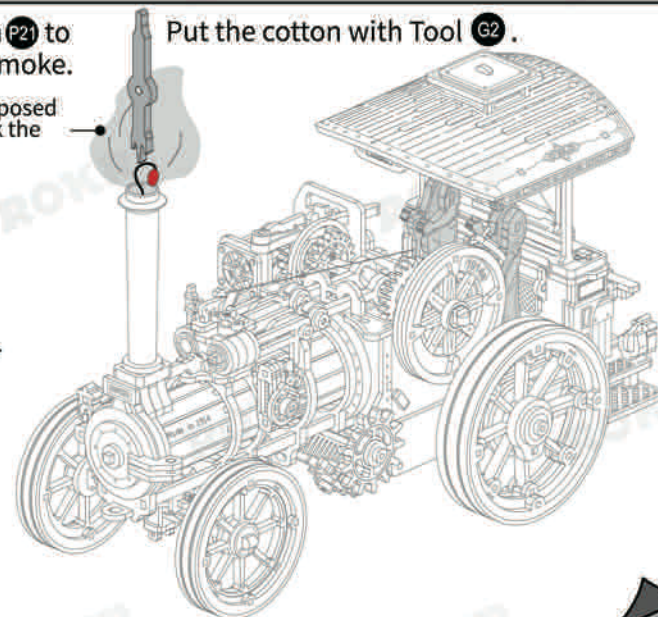
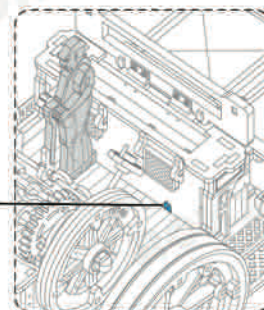
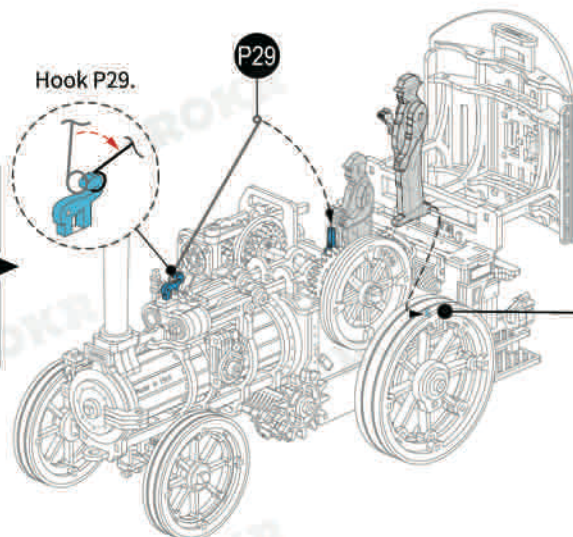
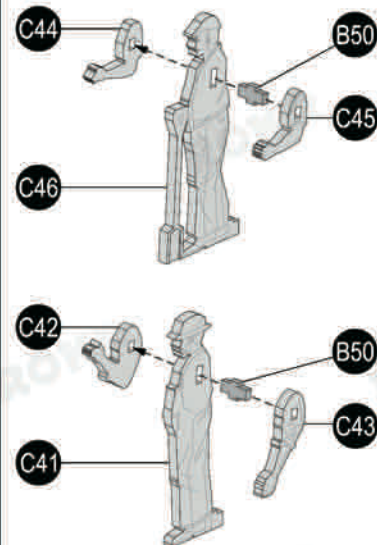
B50x2
C41
C42
C43
C44
C45
C46
G2
P21
P29

Use the cotton (P21) to simulate the smoke.



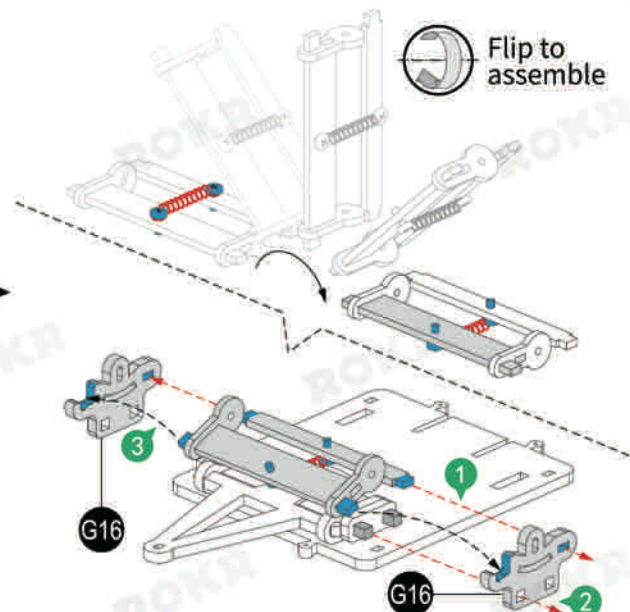
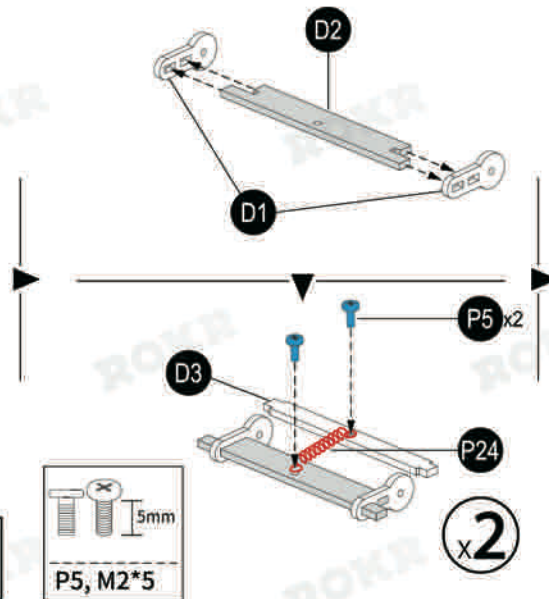
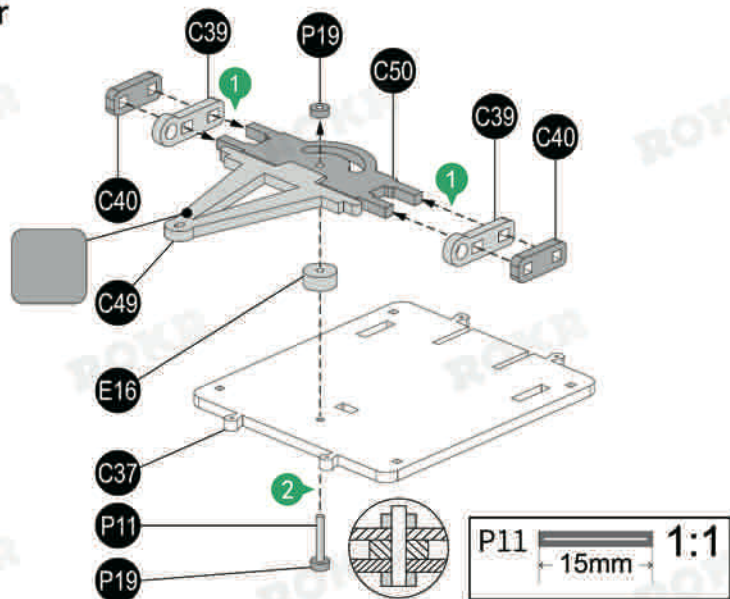
Bend the exposed wire to hook the cotton.

Put the cotton with Tool (G2).

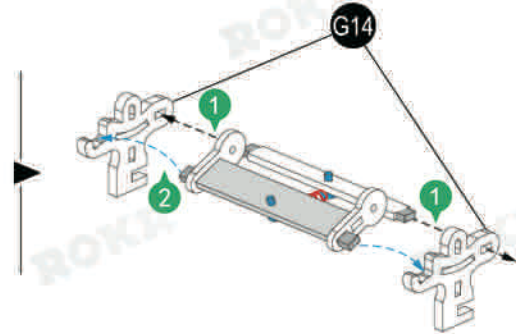
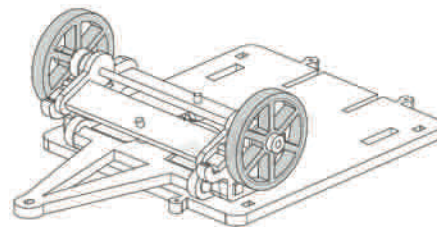
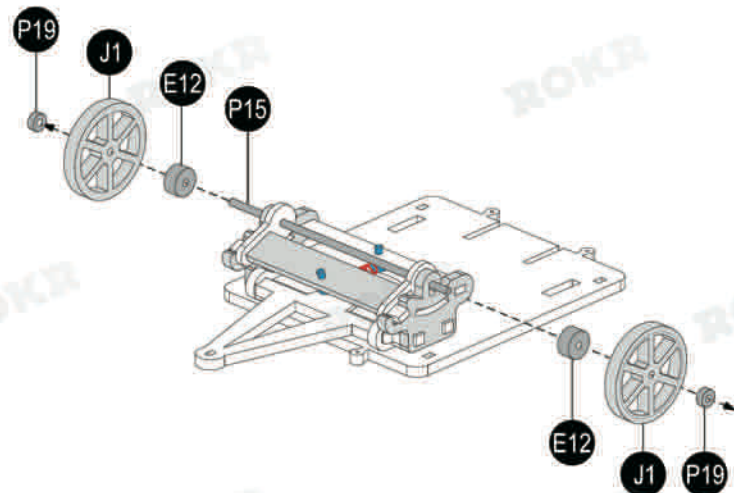
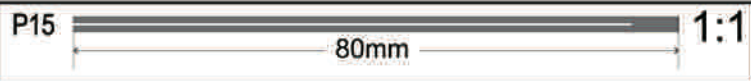


18 Trailer

- C37
- C39x2
- C40x2
- C49
- C50
- D1 x4
- D2 x2
- D3 x2
- E16
- G16x2
- P5 x4
- P11
- P19x2
- P24x2

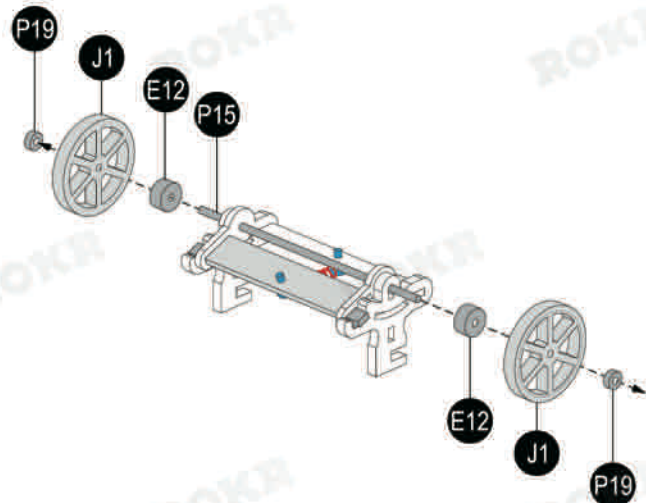


- E12x2
- J1 x2
- G14x2
- P15
- P19x2

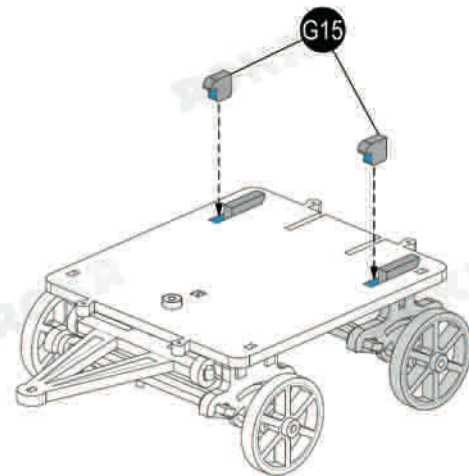
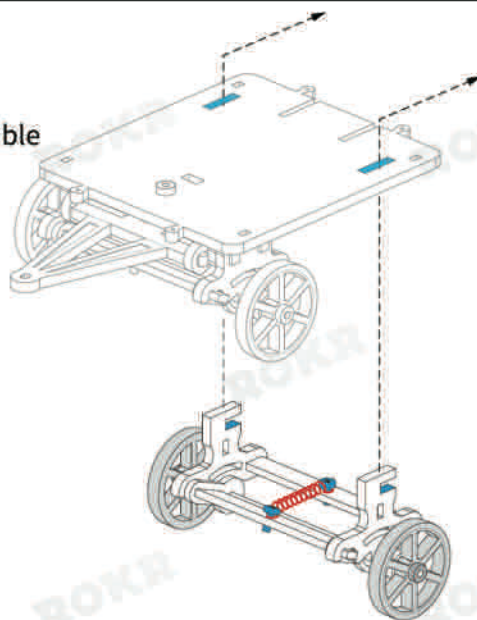


E12x2
G15x2
J1x2
P15
P19x2

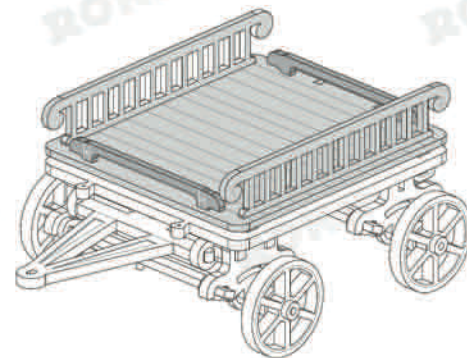
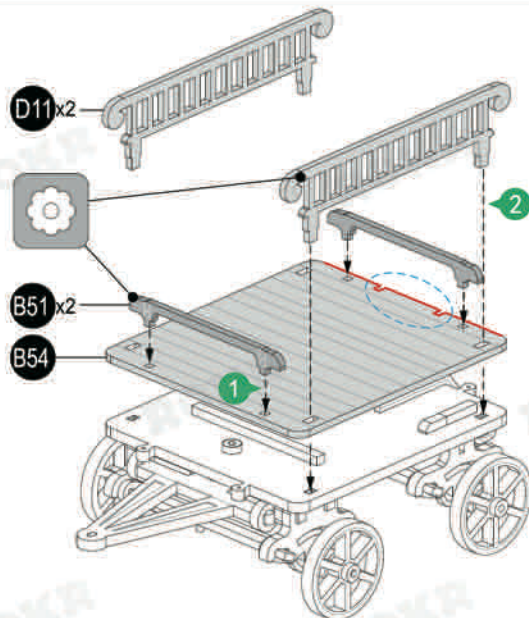
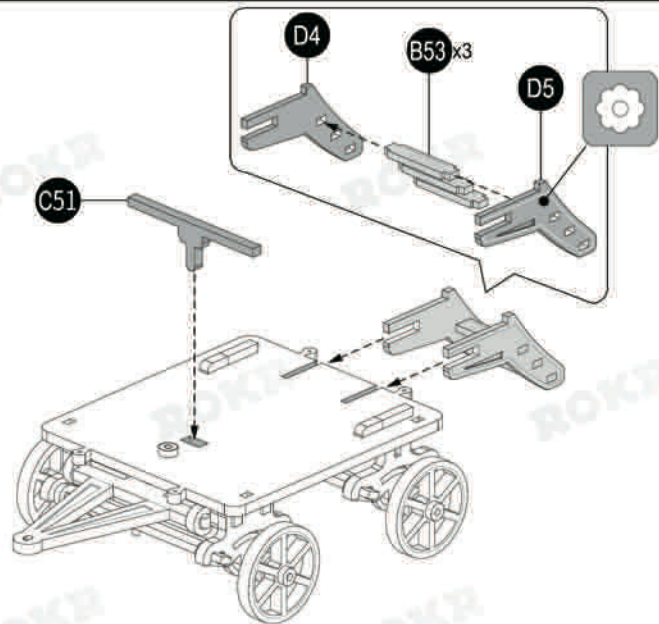
P15 80mm 1:1



Flip to
assemble



B51x2
B53x3
B54
C51
D4
D5
D11x2



19

Wine casks

C52 x3

D6 x3

D7 x3

D8 x6

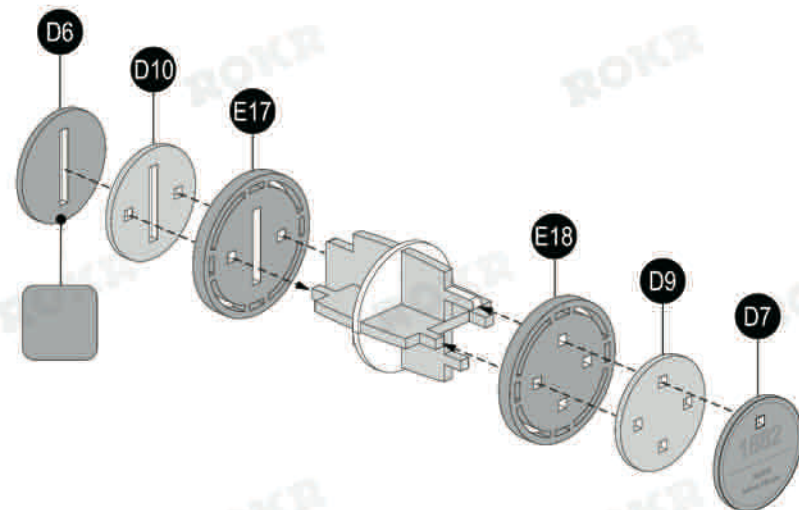
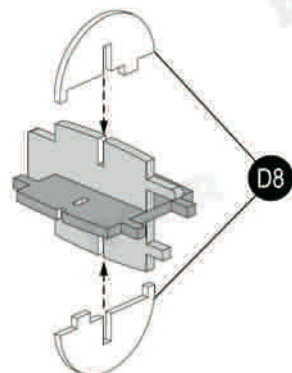
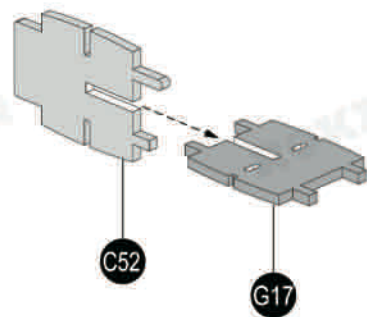
D9 x3

D10 x3

E17 x3

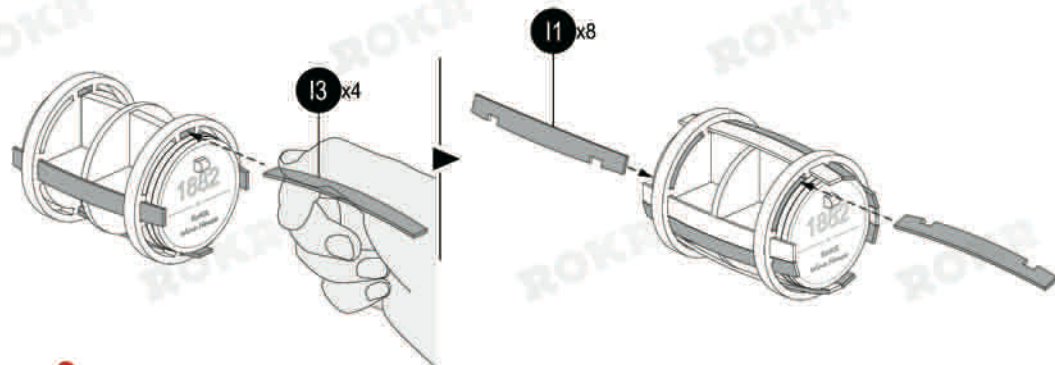
E18 x3

G17 x3

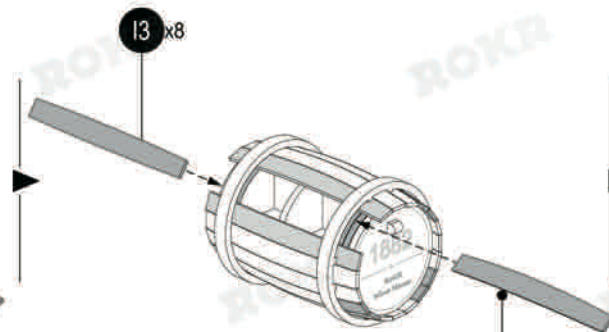


I1 x24

I3 x36



Hold the area as shown to assemble.



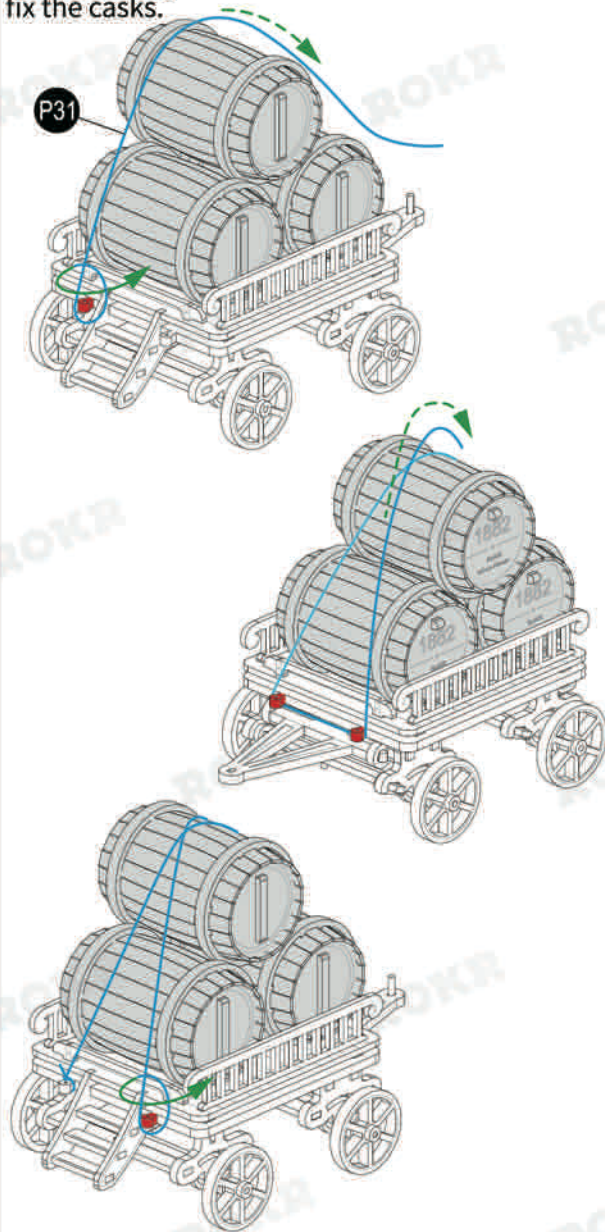
x3 Complete 3 same parts



Wax the edges to assemble easily.

P31

Use the string to fix the casks.



20

C53

C54

E15x2

F25

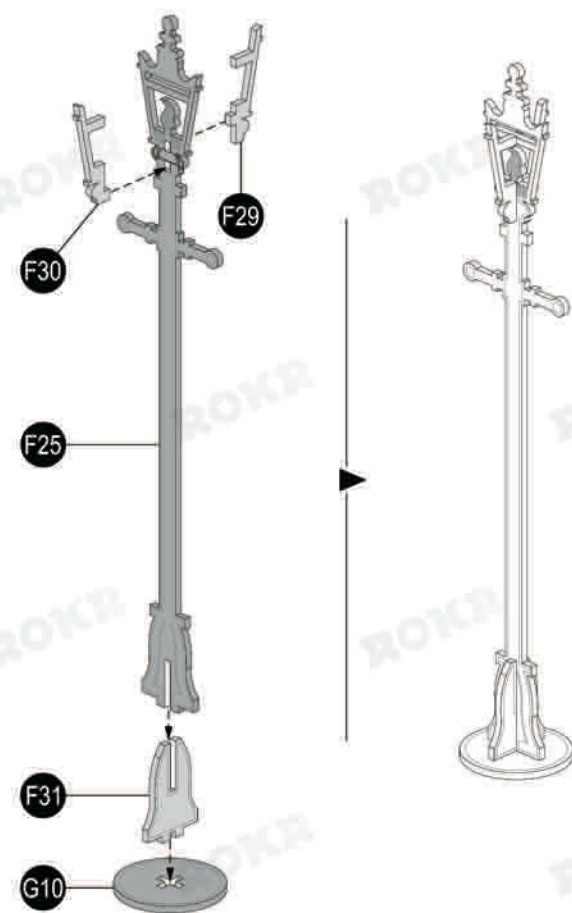
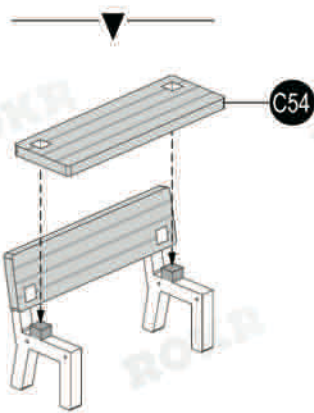
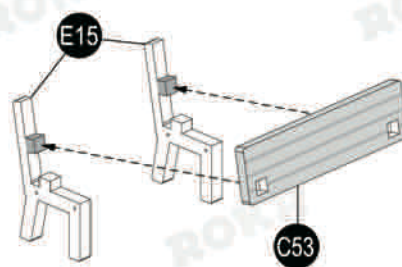
F29

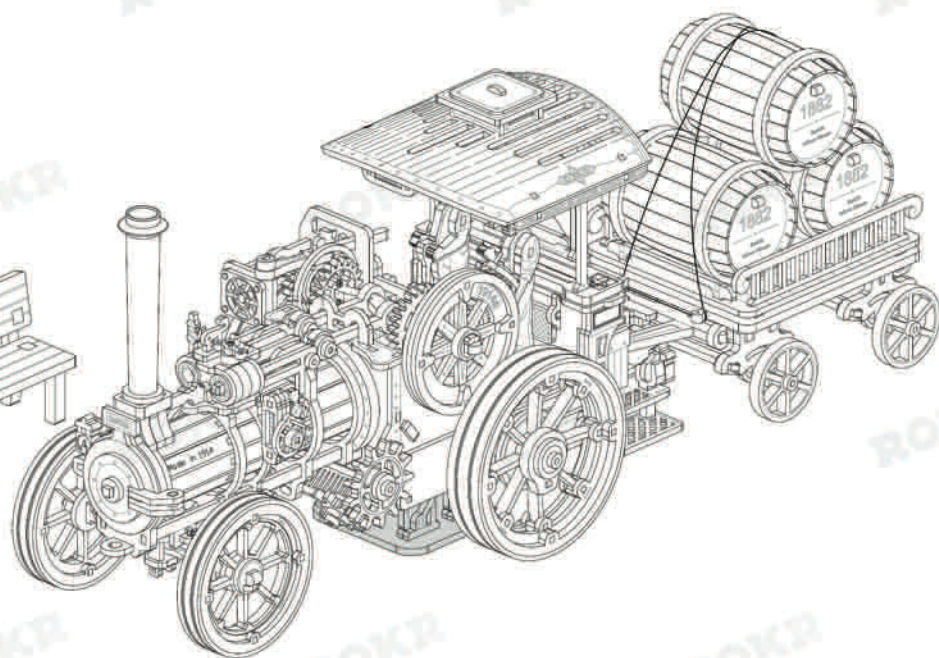
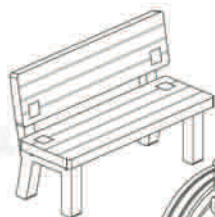
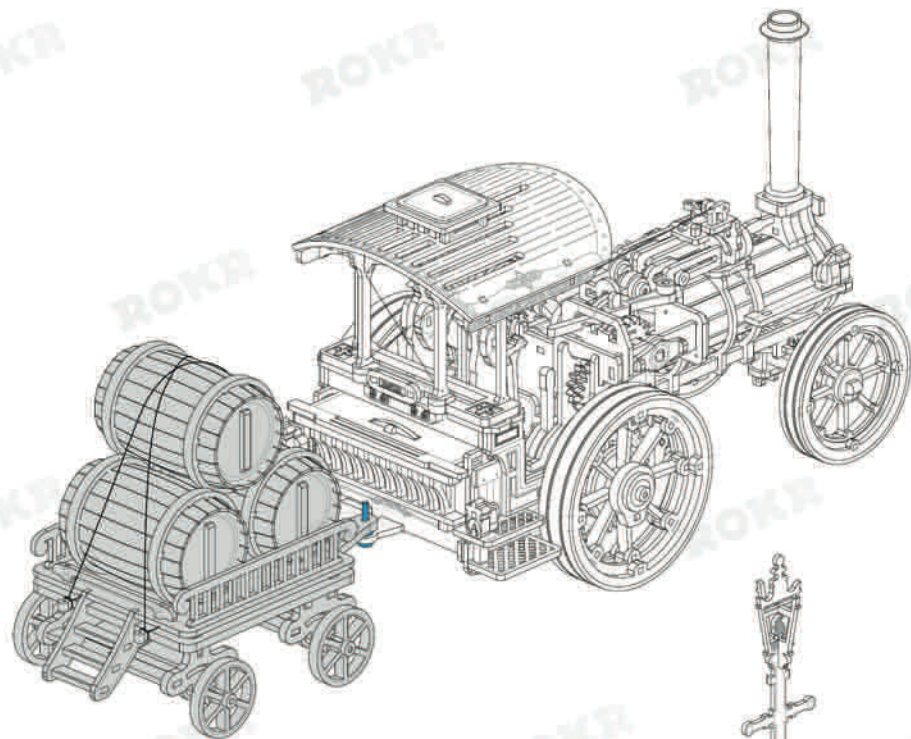
F30

F31

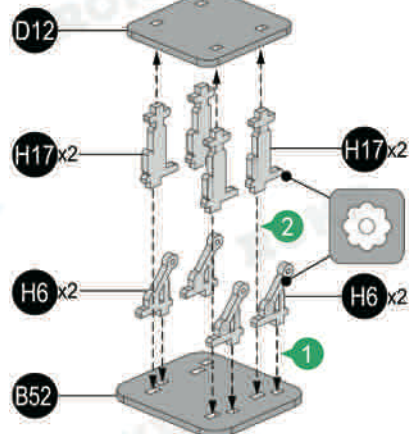
G10

Bench and street lamp

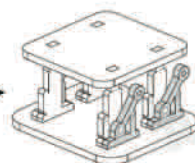




Jack stand for dynamic display



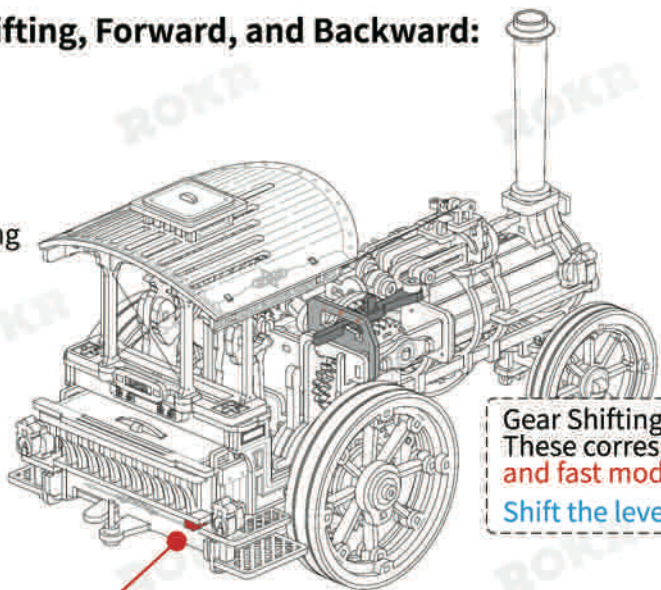
Place it under the model to lift rear wheels.



Gear Shifting, Forward, and Backward:

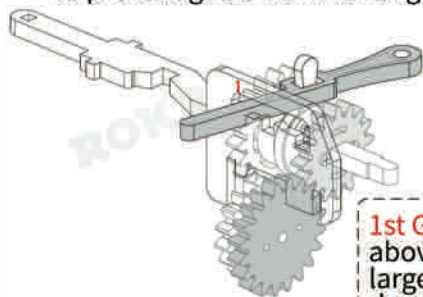


Scan for
assembling
videos

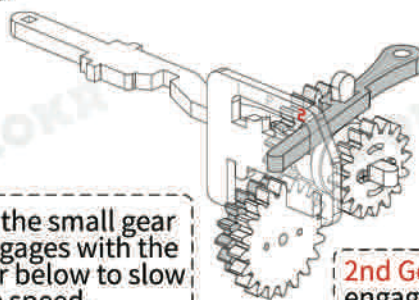


Gear Shifting 1, P, 2:
These correspond to **slow, parking,**
and fast modes, respectively.
Shift the lever in **P** position to stop.

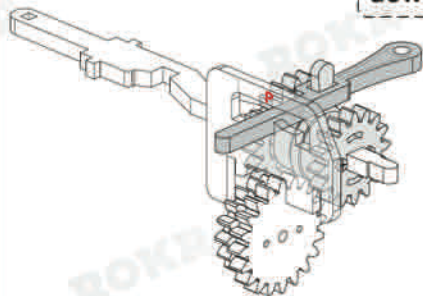
Turn on the **switch** before gear shifting
to prevent gears from not engaging.



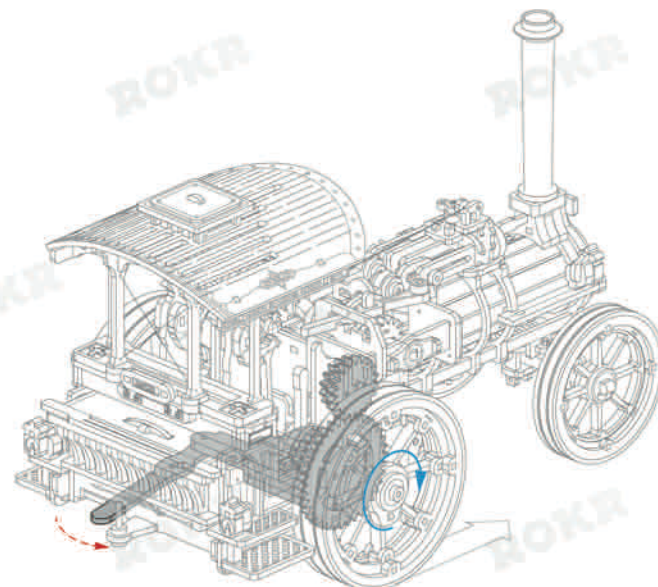
1st Gear: the small gear
above engages with the
large gear below to slow
down the speed.



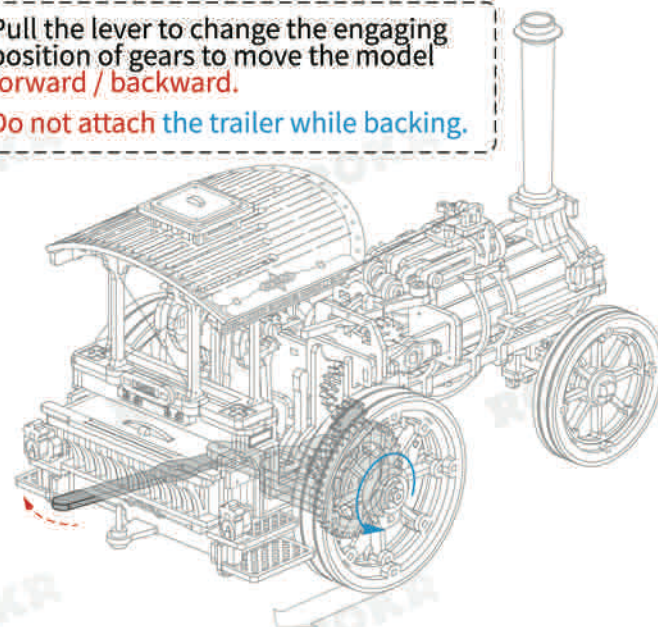
2nd Gear: the large gear above
engages with the small gear
below to speed up.



P Gear: the gears above separate
from the gears below to stop.



Pull the lever to change the engaging
position of gears to move the model
forward / backward.
Do not attach the trailer while backing.



Steam Journeys Spark Wonder



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