



Focusing Observation • Deep Inquiry

Real Practice • Improve Creativity



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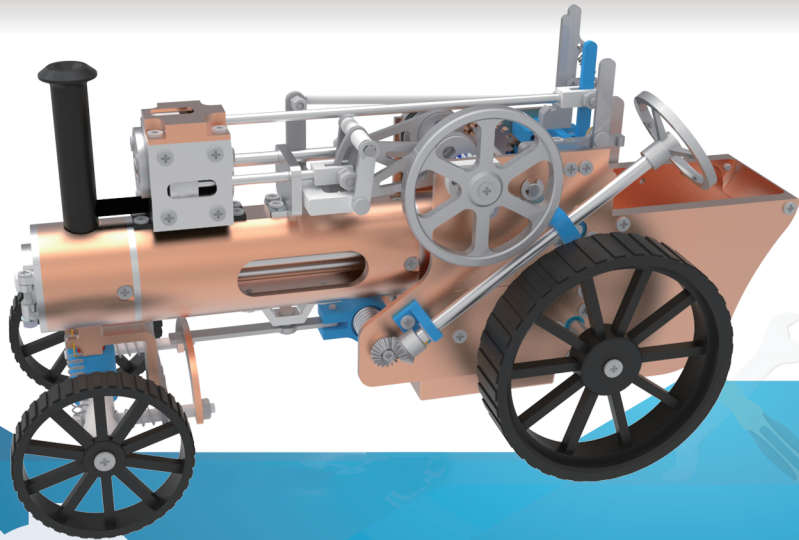


WeChat public account
of Teching Cultural
Development



Teching Assistant

TECHING[®]

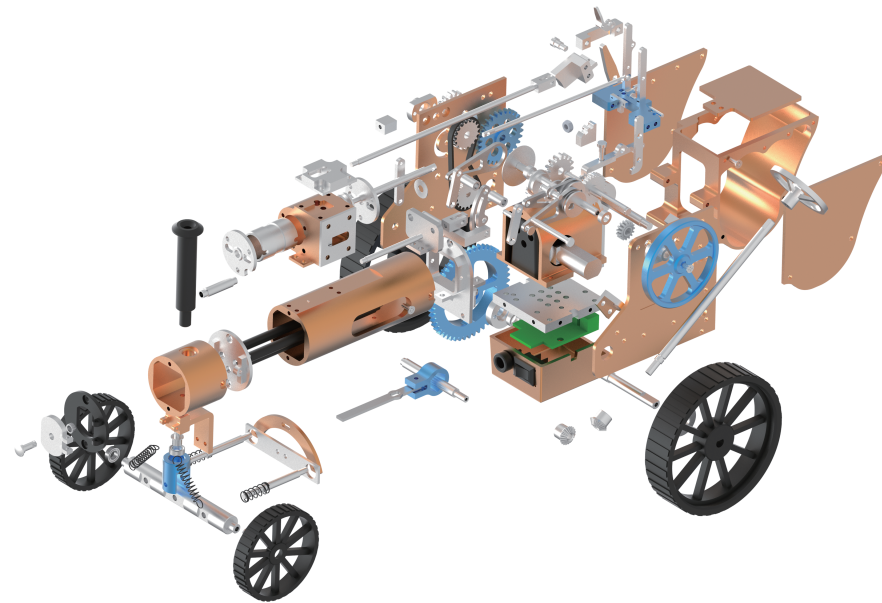


Steam Automobile

Metal Assembly Model

Structural features:

1. Spring damper system
2. Bevel gear transmission gear
3. Double cam transmission steam valve
4. Series combined four bar linkage



I - Make • Real Model • Real World

General information about product

I. Product Data

Product name: Steam Automobile

Product model: DM34

Main materials: Anodic aluminum oxide + stainless steel

Charging voltage: 5VDC

Battery capacity: 500mAh

Product standards: GB/T9254–2008

GB/T17626.2–2006

II. Product description

- ◆ Teching Craftsman series of products are metal structure assembly models. Its primary material is aluminum alloy with anodized surface, and the product structure is a real industrial structure;
- ◆ Assemble parts using various tools with the installation procedures and methods substantially compliant with practical industrial requirements;
- ◆ This series of products are principally designed to improve users' hands-on ability and concentration, and to develop habits of "preciseness and stress on discipline";
- ◆ Learn about various industrial machines, and study various industrial structures to improve user's capability of research and innovation.

III. Assembly Requirements

- ◆ Be sure to read the Basics of Standard Parts Assembly carefully to master basic standard parts assembly procedure and the usage of tools before assembly;
- ◆ The table shall be kept tidy and clean during assembly to prevent parts being lost or incorrectly assembled. Assemble parts in a rigorous and orderly fashion, view the diagrams carefully, and avoid incorrect assembly;
- ◆ Pay attention to the prompt text in instruction manual, carefully view the part installation orientation, and avoid incorrect comprehension. Pay attention to the requirements on testing;
- ◆ Lubricating oil shall be applied to friction areas to the greatest extent to prevent jamming during operation. Fastening screws must be thoroughly mounted to prevent looseness of parts;
- ◆ If you have any doubt when adjusting any assembly clearance or tightness after the completion of assembly, please refer to our website or WeChat public account;
- ◆ Users are encouraged to optimize the parts using material removing tools like files and sand paper with adult care where the personal safety is guaranteed;

- ◆ Users are encouraged to perform part modification or overall modification of model without potential safety hazard so as to develop modification capability as soon as possible;
- ◆ The user may disassemble this model and put it in the package again according to the parts list attached hereto;
- ◆ If any part is lost, please inquire of or purchase it from us (Teching official online store);
- ◆ The model structure is subject to continual improvement. If the real object differs from the instruction manual, please refer to our latest assembly information.
- ◆ Once the product fails to function due to battery failure, lubricating oil shortage or dust accumulation in product gaps because it is left unused for long, it's advisable to change the battery or disassemble and clean its parts.

Precautions

I. Safety Instruction

- ◆ Please read this manual carefully so that you are in a position to use this product correctly and safely;
- ◆ This series of products are industrial-level metal models, so its assembly and use requires certain safety awareness; improvement of safety awareness is also a function of the model;
- ◆ This model is suitable for users aged 14 and over. Please read this manual carefully for relevant safety information;
- ◆ Strictly prohibit children or pets swallowing or biting this product or its spare parts, since this may cause injury/damage;
- ◆ Use assembly tools rationally, assemble the parts in strict conformity with the instruction manual, and avoid forcible handling to avoid scratches; keep sharp points of tools or parts away from the eyes to avoid contusions;

- ◆ This model is made up of metallic parts mainly, and has a certain level of hardness and a certain weight; please place it properly to avoid bodily injuries; Protect the products and accessories against intense shock and vibration so as to avoid personal injury and product damage;
- ◆ During mechanical movement, do not put a finger or any other part of the body within the movement range to avoid contusions;
- ◆ Wire connectors must be connected according to the marks specified in the instruction manual to avoid short-circuit or failure arising from wrong connection;
- ◆ Charge, discharge and place the battery as required; it is advised to replace the battery when it has not been used for 3 months or more;
- ◆ Do not prevent any part from running forcibly in any form; to do this, turn off the power directly;
- ◆ To refit this model, please pay attention to the relevant part parameters, and avoid using any high-power electric part or device that may result in an accident.
- ◆ Please use parts of this product properly as per instruction manual. Don't use them for other purposes.

II. Battery and charging precautions

- ◆ This product is delivered with dedicated charging cable. Users shall use their own power adapters; output DC voltage: 5V; output DC current $\geq 1000\text{mA}$;
- ◆ Please make sure the contact is dry and free of dirt before charging. Please don't charge the battery if the product is not in use or is in repair;
- ◆ Don't put the battery in fire or have it exposed to sunlight, fire or similar excessively hot environment, since this may lead to leakage, excessively high temperature, bursting or ignition of battery;
- ◆ If improper change of battery may cause explosion, the battery must be replaced with one of identical or equivalent type;

- ◆ Never disassemble, squeeze, heat and set fire to the lithium battery delivered with this product, and never touch and pry the battery using any sharp object or screwdriver, etc., since this may cause the battery to ignite or burn;
- ◆ In the case of excessively high temperature, discoloration, bulging, leakage and other anomalies during the use, charging or keeping of battery, please take it out of service and change it with a new one to avoid safety problem;
- ◆ Since the battery temperature rises when it's being charged, please don't have the battery to come into contact with inflammables (e.g. bedside, clothing and books, etc.) since this may result in a fire;
- ◆ Please don't charge the battery in a moist space with high temperature; the temperature is recommended to be 0~35° C, and the humidity shall not exceed 65%; the design max. ambient temperature for using the product is 45° C;
- ◆ To alleviate the risk of electric shock, children are not allowed to use the product without the help of their parents or other custodians.

III. Product Declaration

- ◆ Please carefully read and observe various instructions and warnings in this manual before using this product. Our company shall not be held responsible for any consequence of failure to properly use this product or observe related operating instructions;
- ◆ This product is suitable for users aged 14 and over. Our company shall not be held responsible for any safety problem arising from the use of this product by too young users or users who are not familiar with relevant safety requirements;
- ◆ As a model in industrial structure, this product is designed exclusively for learning and experience. Do not use this product for other purposes; otherwise, we will assume no responsibility for any consequence thereof;

- ◆ We have been improving the design and operation features of our product, so separate notice will not be given for slight difference between instruction manual and actual product. Hence, any claim for compensation filed based on the data, pictures or text of this instruction manual will be rejected;
- ◆ For constant improvement and sustainable development, our company reserves the right to modify and improve any product detail given in this manual without prior notice;
- ◆ The pictures in instruction manual guide users for operation, and are thus for indication only; the real product shall prevail;
- ◆ Our company and its suppliers shall not be held responsible for any special, incidental, collateral or indirect loss in any case to the greatest extent the law permits, regardless of its cause;
- ◆ Please keep this manual properly since it contains important information.

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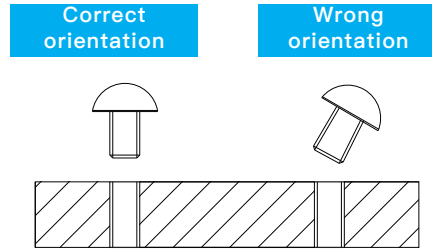
Steam Automobile parts list

P52

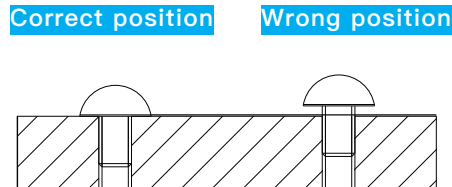
Basic knowledge on standard parts assembly

1.Installation of screws

(1) Installation of screws

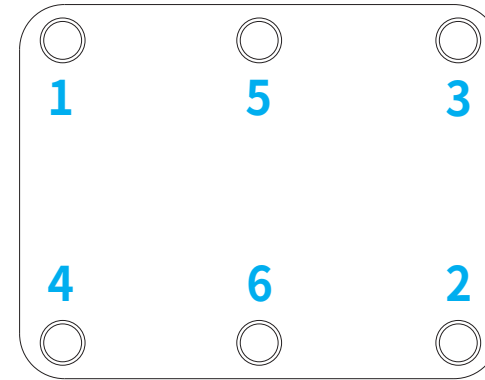


(2)Degree of screw tightening

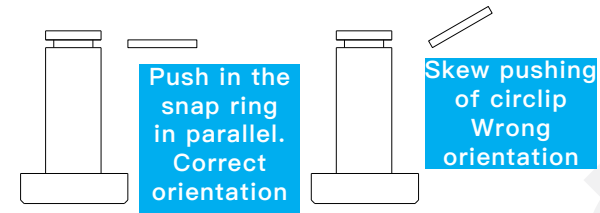


(3)Screw installation order

Mount the screws diagonally in order of number

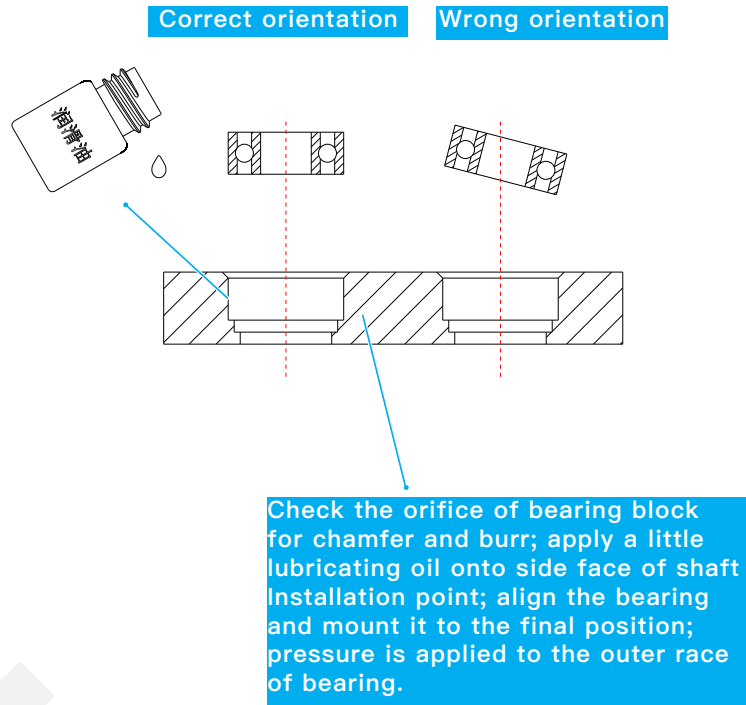


2.Installation of snap ring

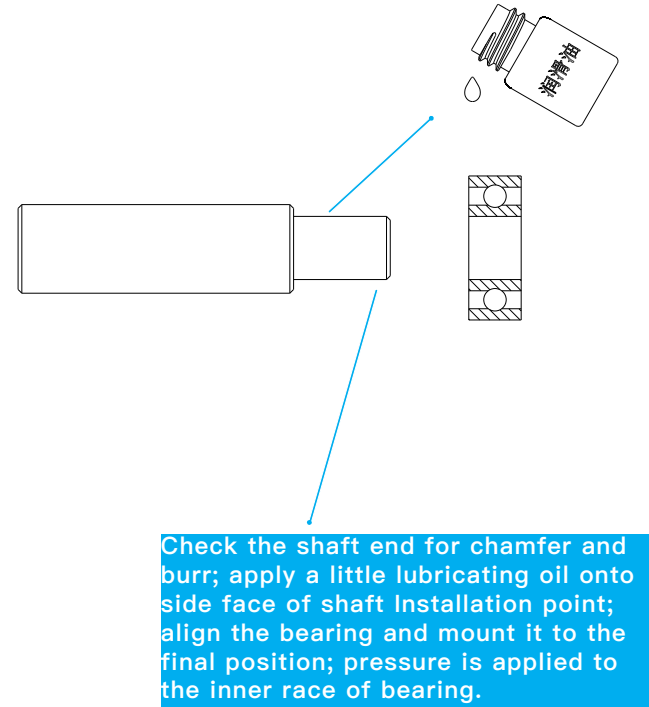


3.Installation of Bearing

(1)Install the bearing into the bearing seat hole



(2) Install the bearing onto the shaft



1 Expiation of the steam car components

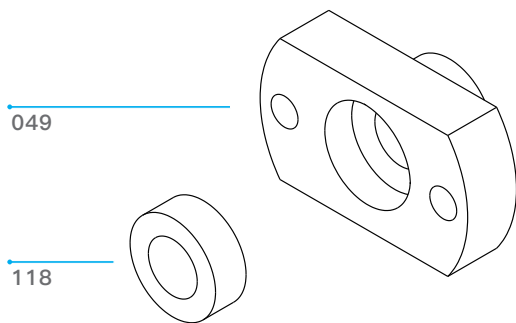
Important note: before assembly, find the bottled lubricating oil, be sure to put enough oil in all the places that need to be lubricated, otherwise the machine is easy to get stuck



Position indicator
for lubricating oil

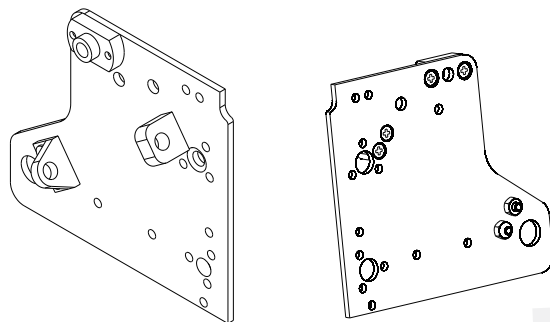
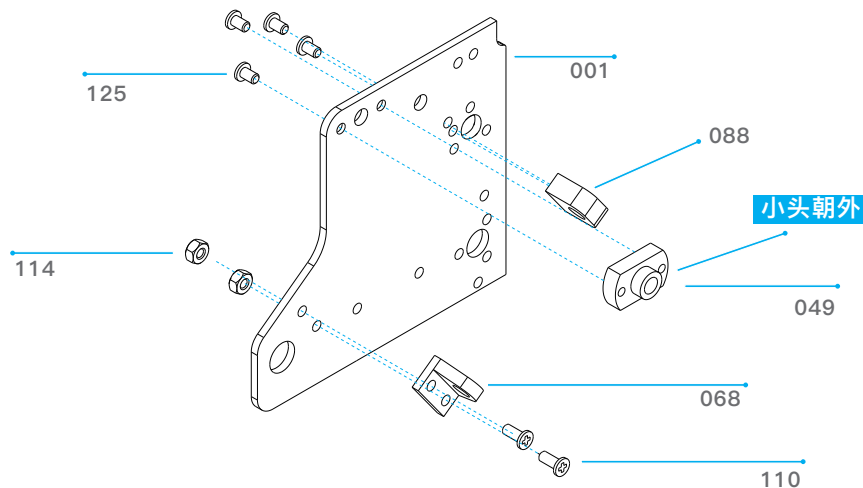
1. Boiler components

1.1 Press the bearing into the bearing seat

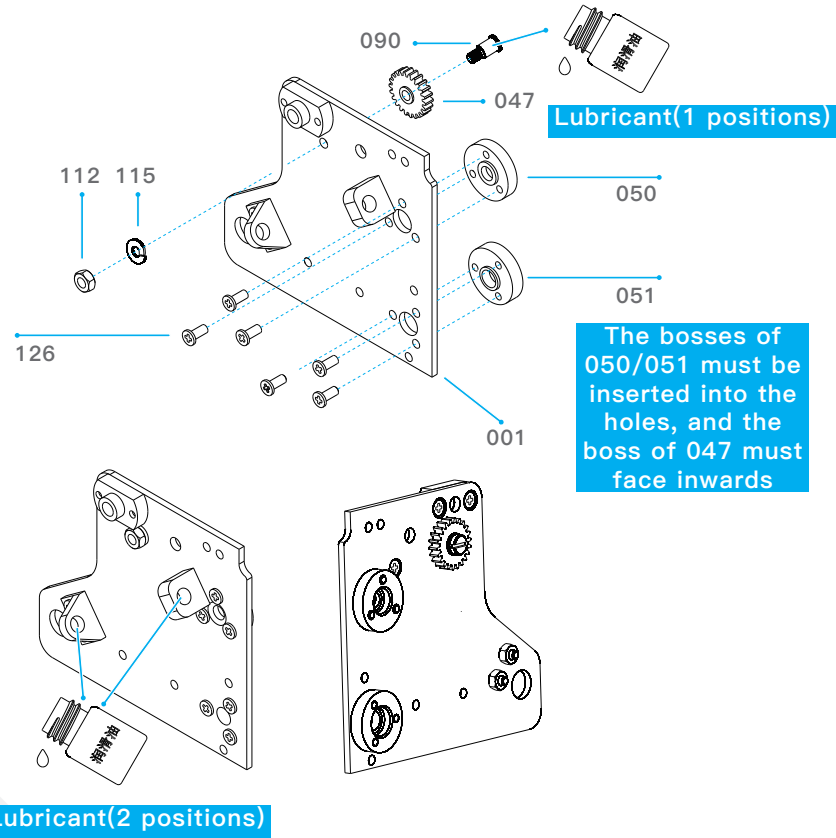


Two sets in total

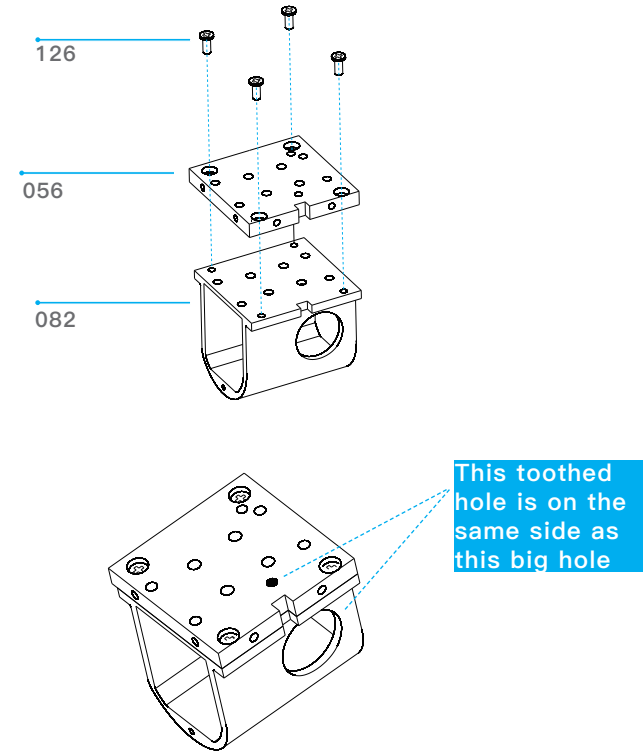
1.2 Install the left plate components -1



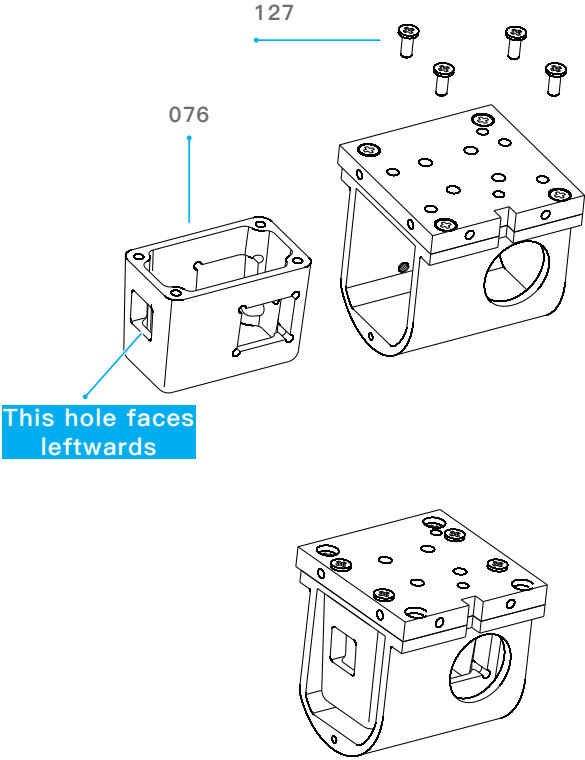
1.3 Install the left plate components -2



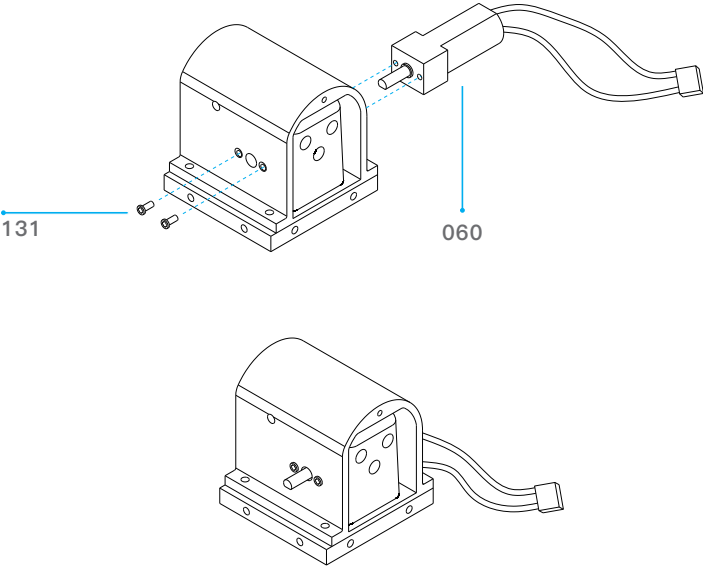
1.4 Install the water tank



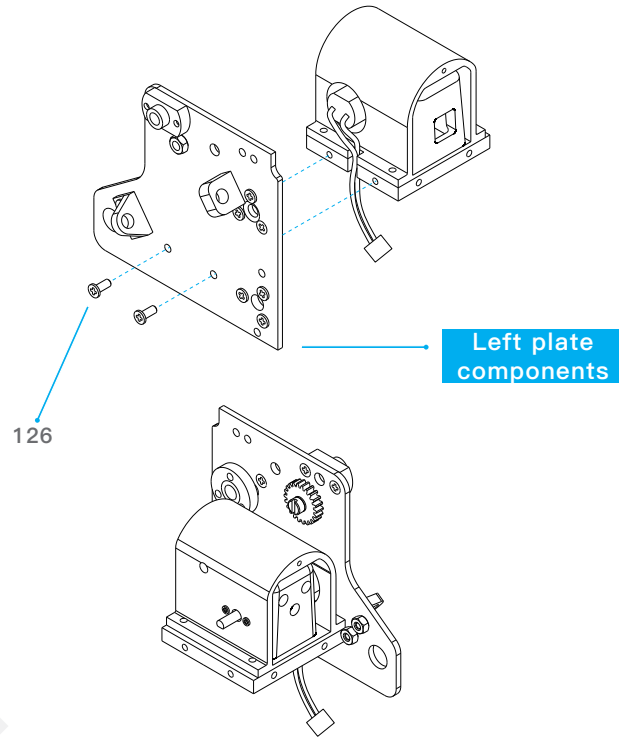
1.5 Assemble the boiler components



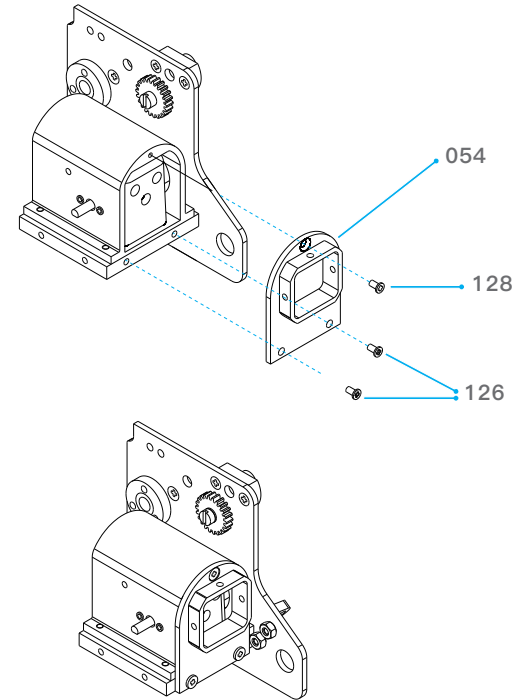
1.6 Install the motor



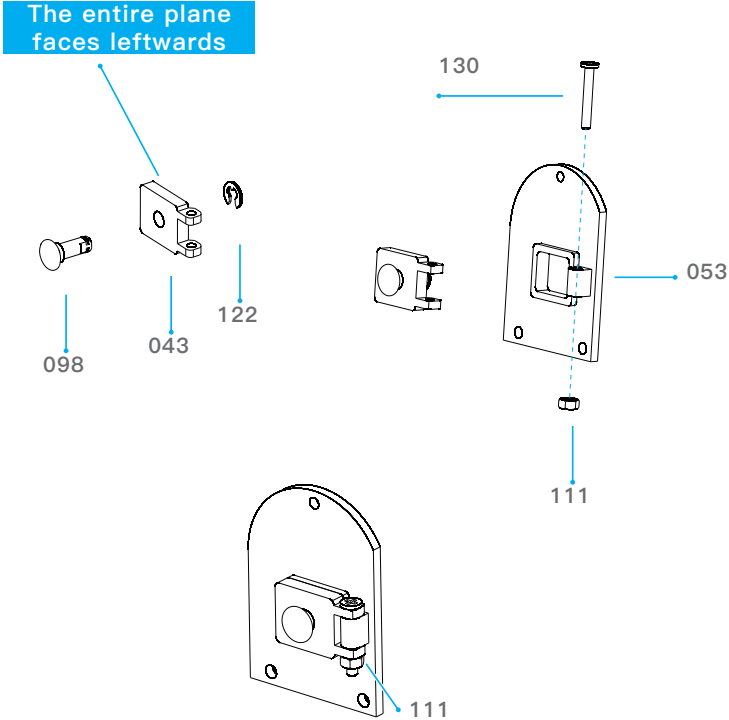
1.7 Assemble the left plate components and the boiler components



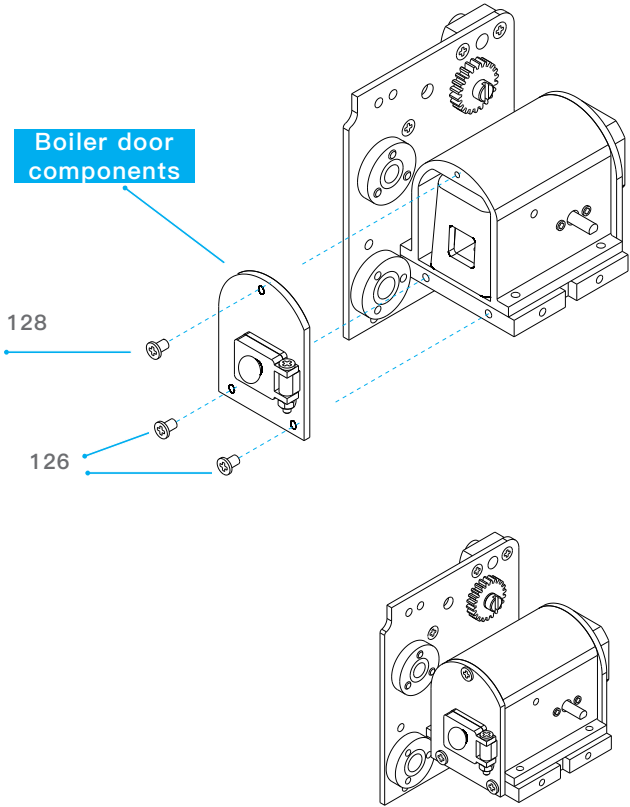
1.8 Install the rear cover of smoke pipe



1.9 Install the boiler door

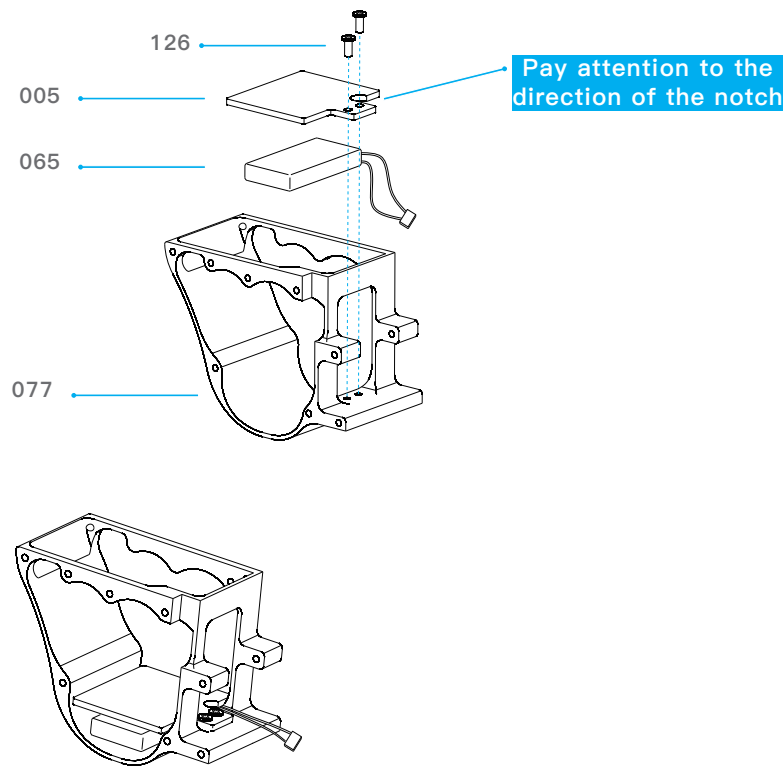


1.10 Install the rear panel

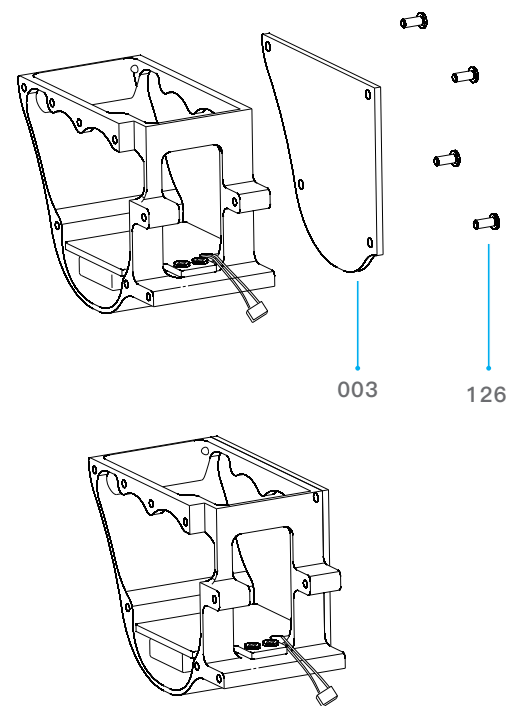


2. Cargo bed components

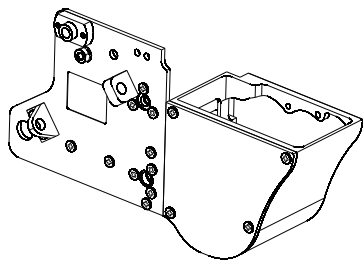
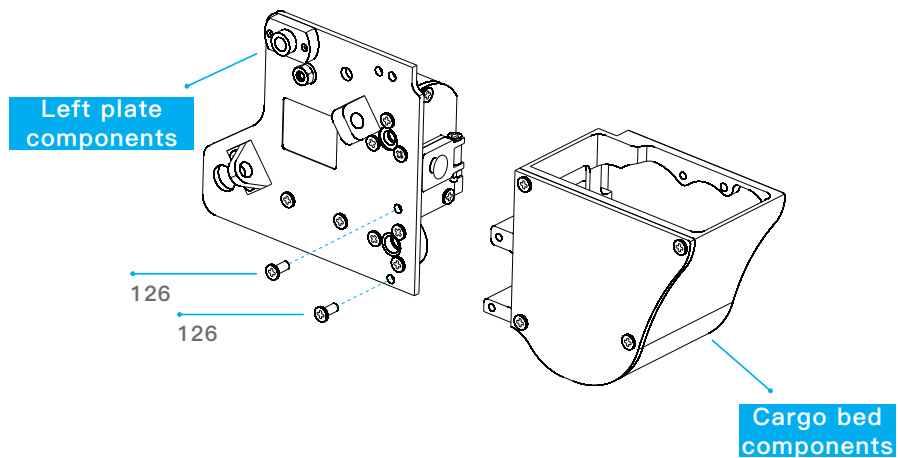
2.1 Fasten the battery



2.2 Install the side panel of the cargo bed

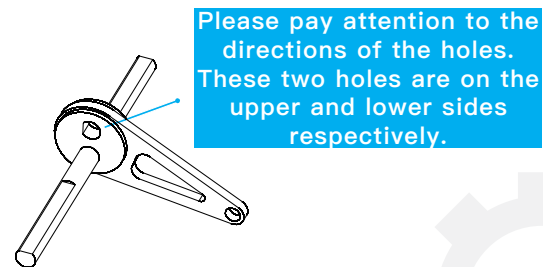
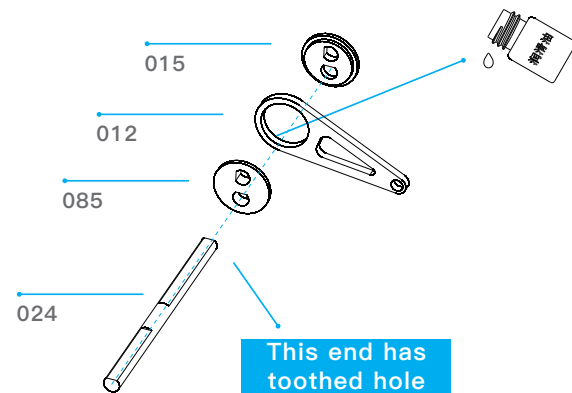


2.3 Assemble the cargo bed

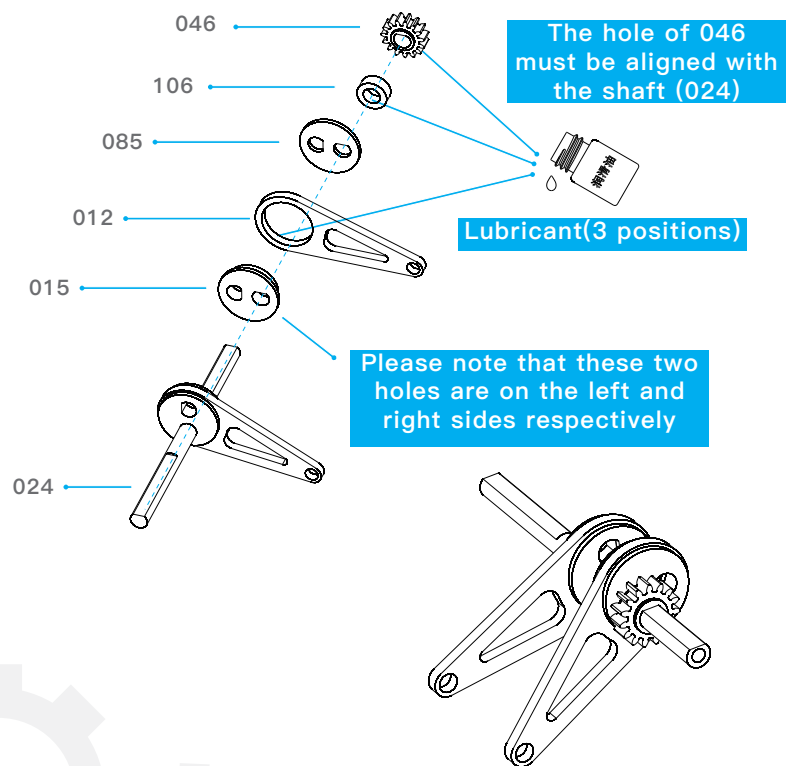


3. Transmission system

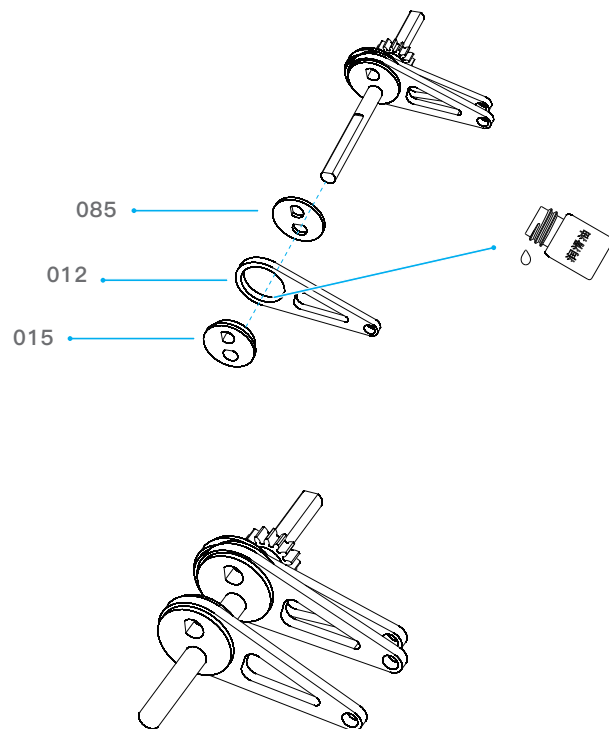
3.1 Assemble the eccentric wheel components-1



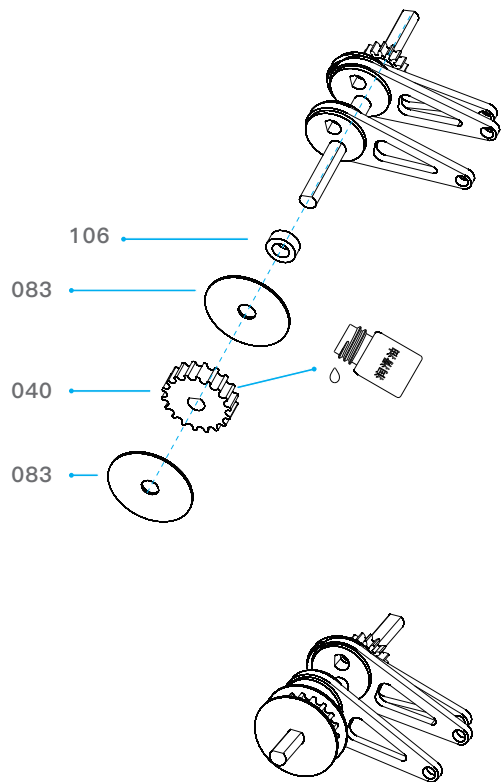
3.2 Assemble the eccentric wheel components-2



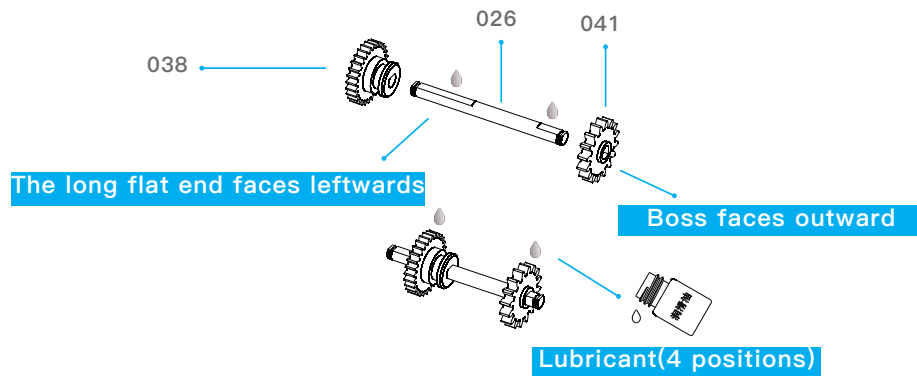
3.3 Assemble the eccentric wheel components-3



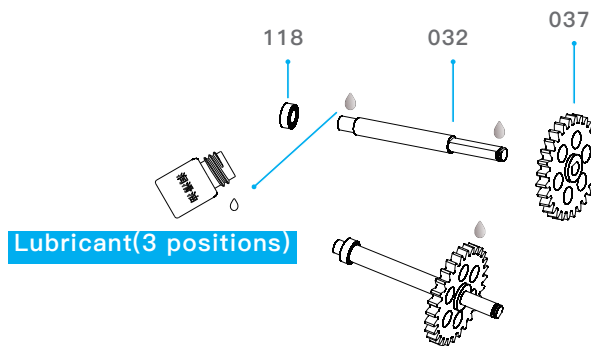
3.4 Assemble the synchronous gear-2



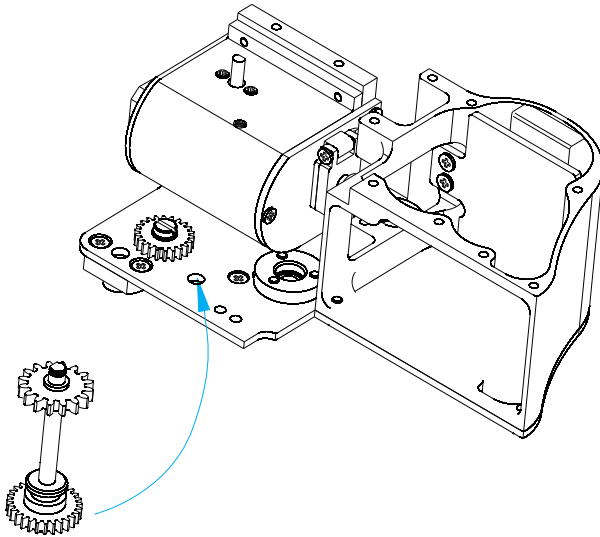
3.5 Install the gear shaft-3



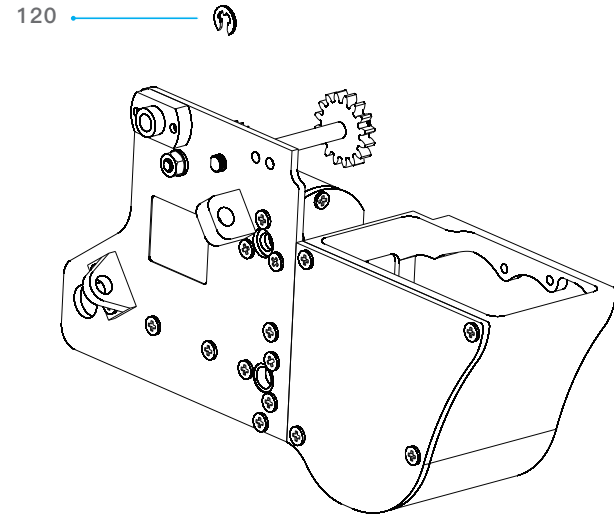
3.6 安装齿轮轴 -5



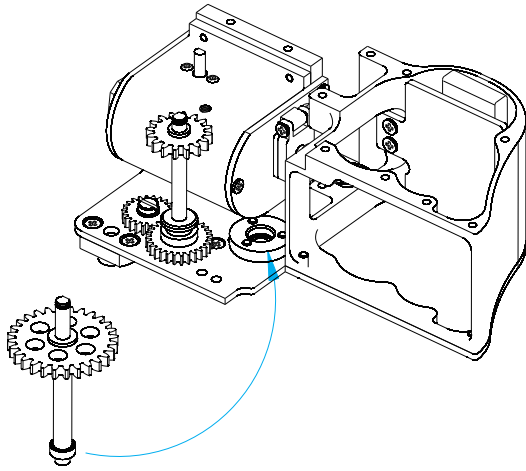
3.7 Assemble the gear shaft-3



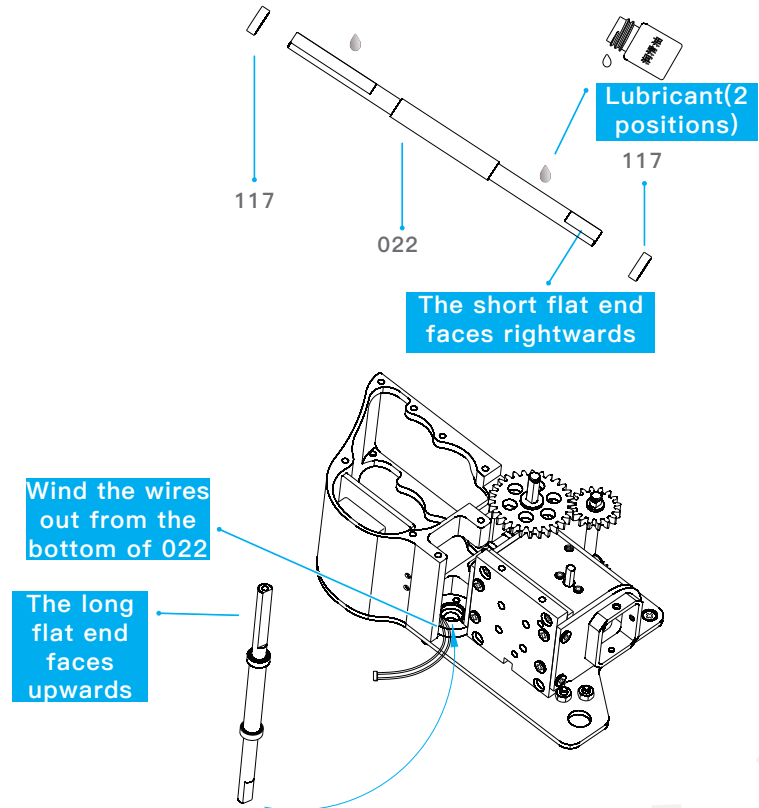
3.8 Installation of snap ring



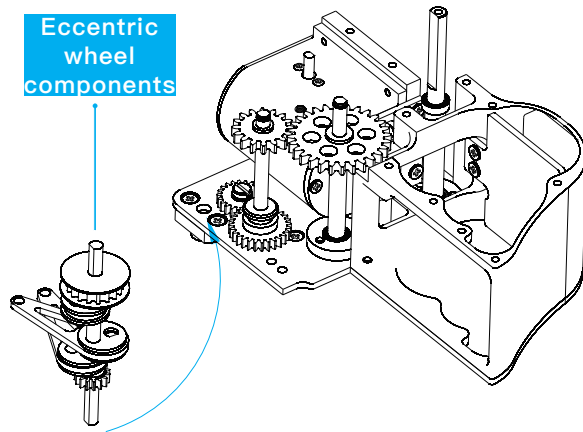
3.9 Assemble the gear shaft-5



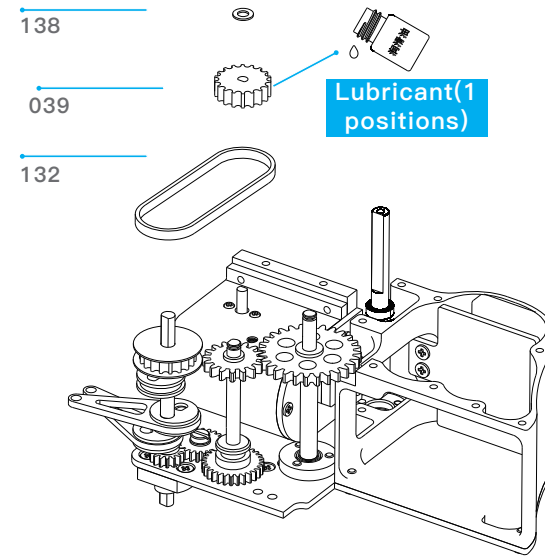
3.10 Install the rear gear shaft



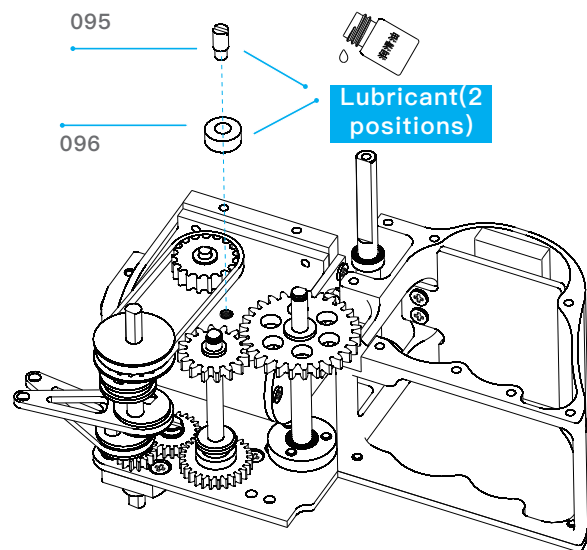
3.11 Assemble the eccentric wheel components



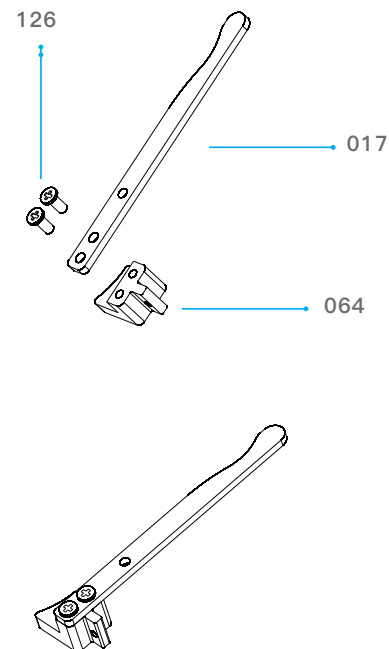
3.12 Install the synchronizing gear-1



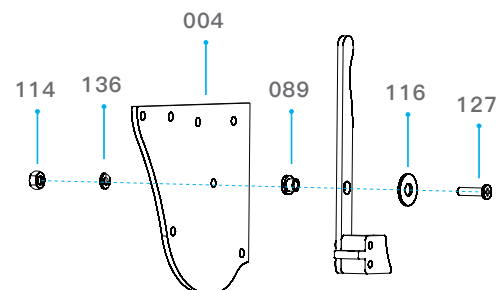
3.13 Install the tension pulley



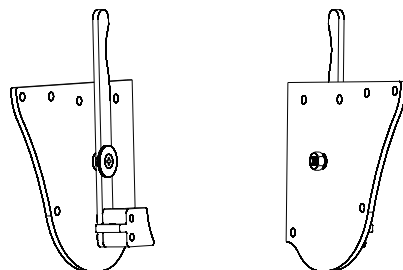
3.14 Assemble the brake block



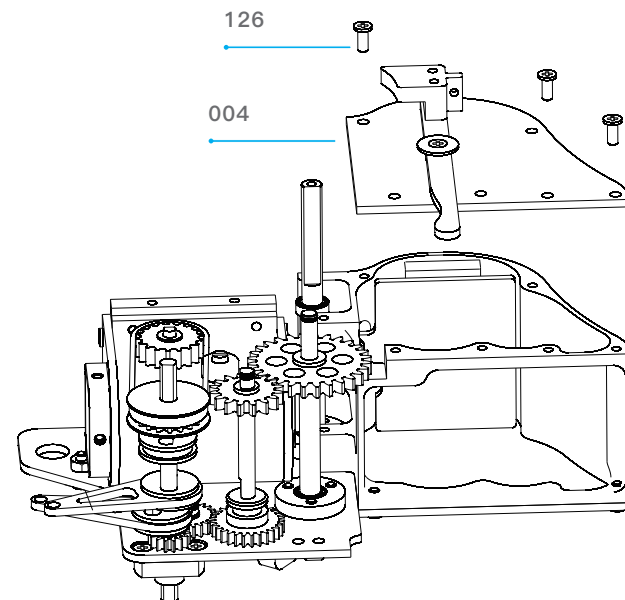
3.15 Install the right plate and the brake block



The small end of 089 must be inserted into the hole in the brake block

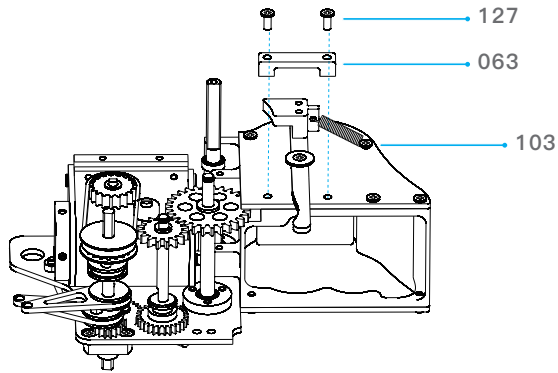
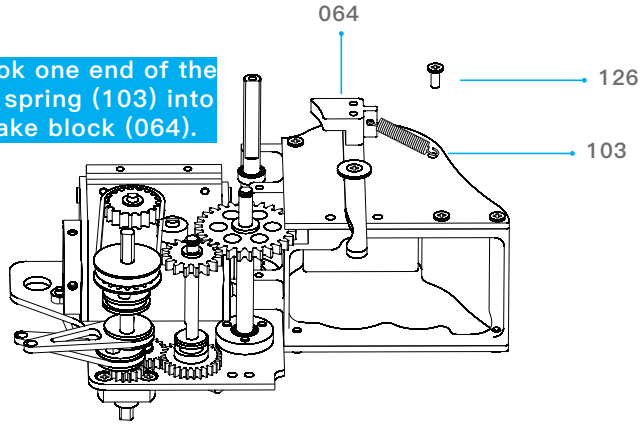


3.16 Install the right plate

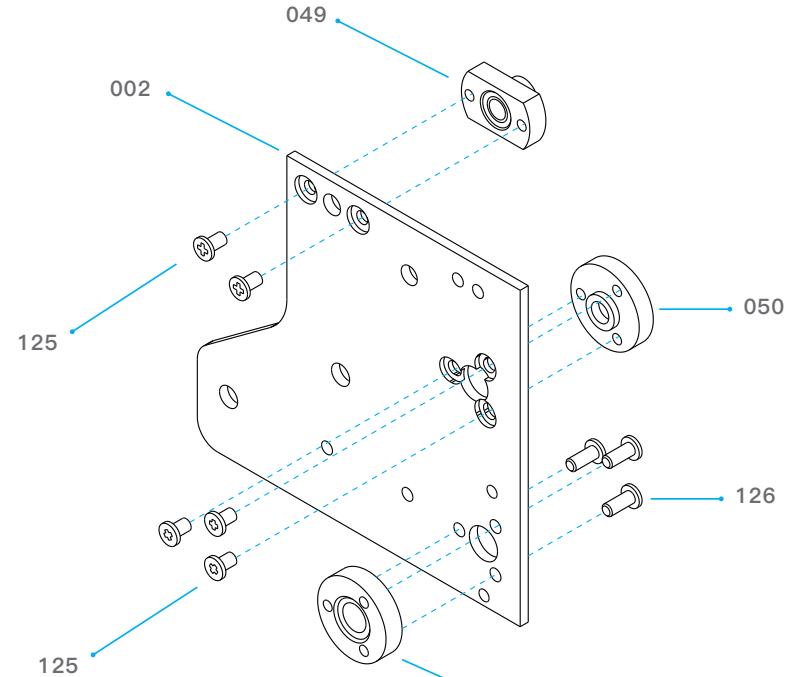


3.17 Install the retaining block of the brake block

First hook one end of the tension spring (103) into the brake block (064).

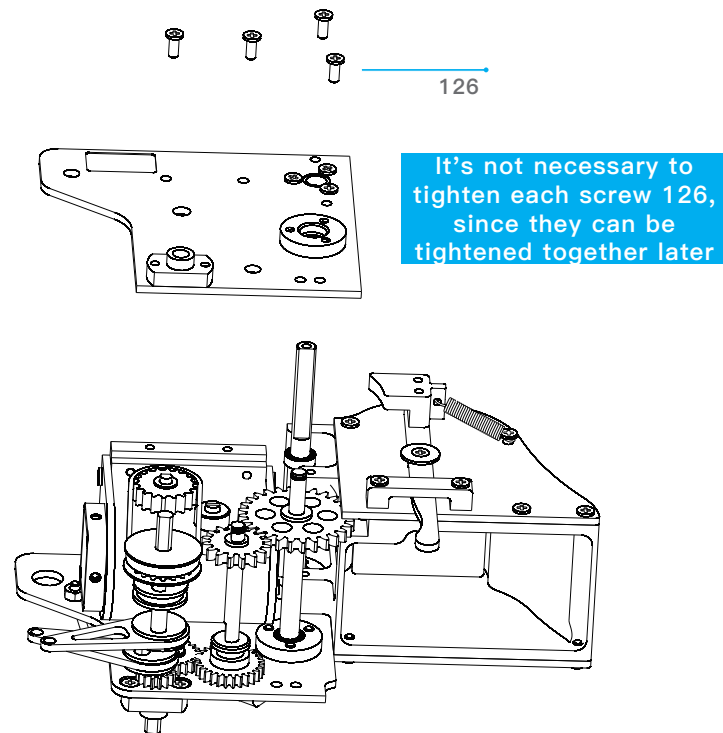


3.18 Assemble the components of right plate

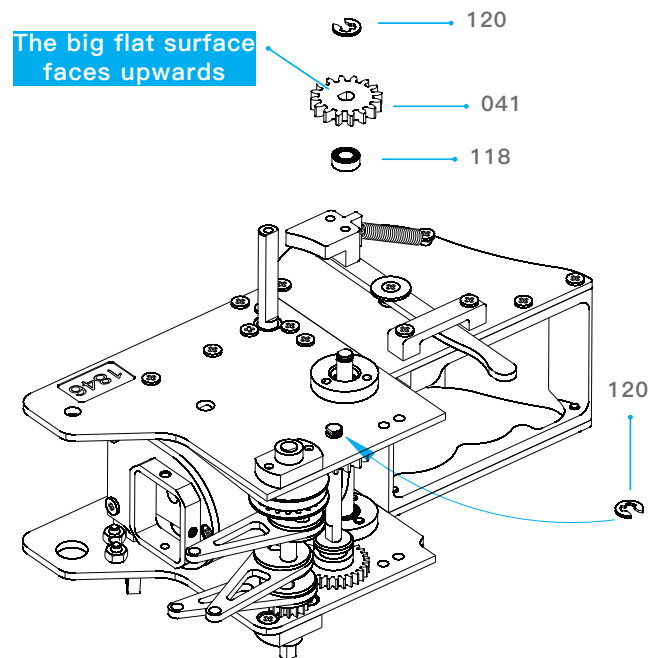


049 Boss faces outward
The bosses of 050/051 must
be inserted into the hole

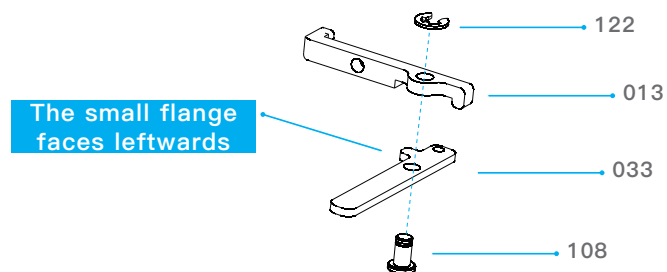
3.19 Install the right plate



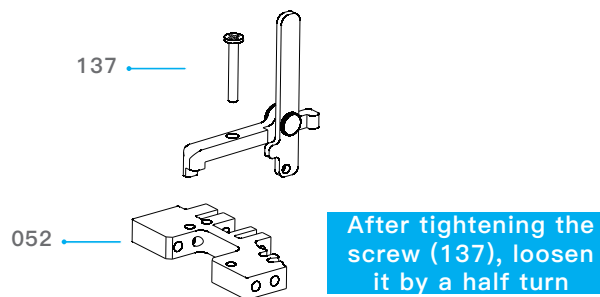
3.20 Assemble the gear-4



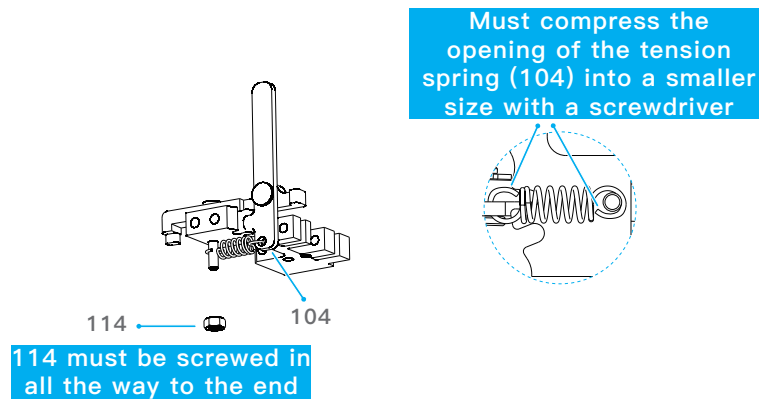
3.21 Install the clutch components



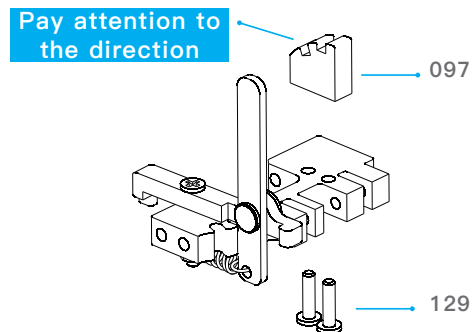
3.22 Install the clutch components and the pull rod bottom plate



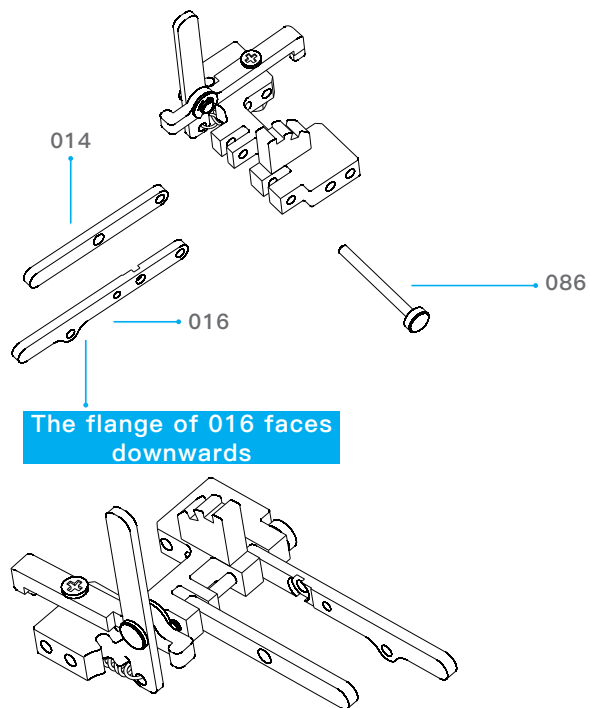
3.23 Install the clutch tension spring



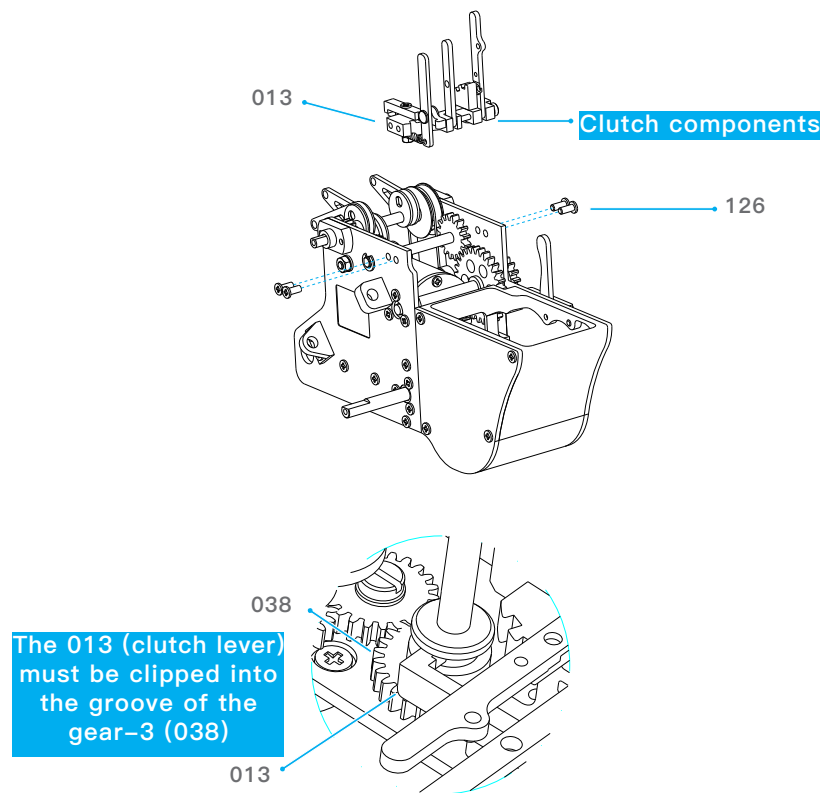
3.24 Install the speed-adjusting fixed block



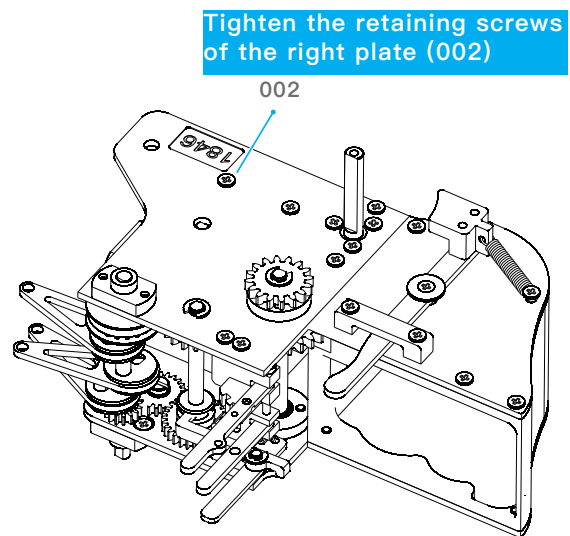
3.25 Install the pull rod pin



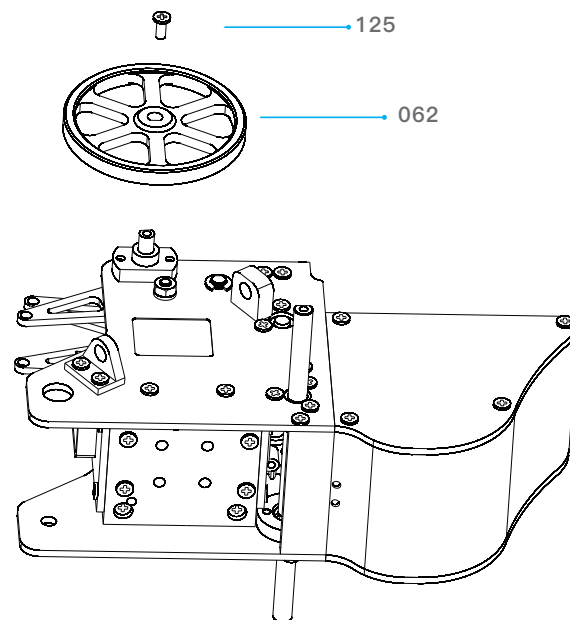
3.26 Fasten the clutch components



3.27 Tighten the screws of right plate

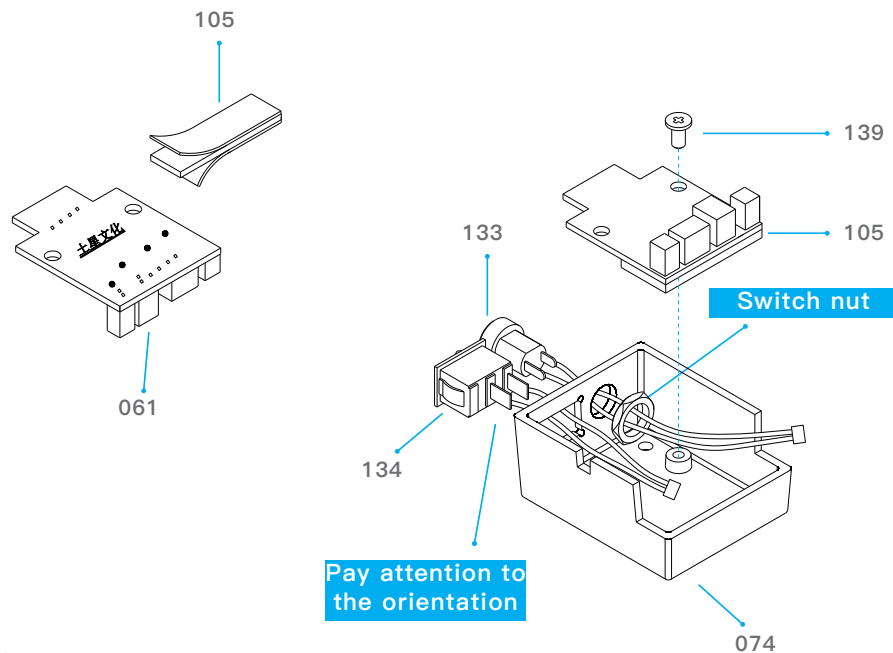


3.28 Installation of flywheel

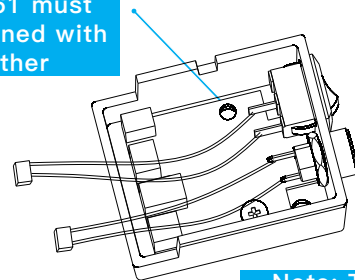


4. Circuit system

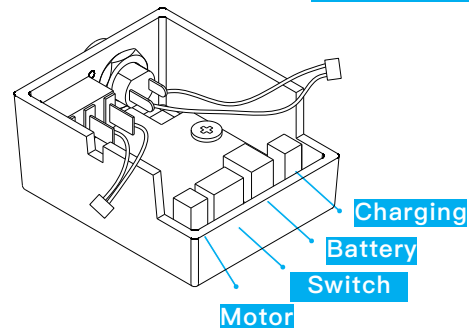
4.1 Assemble the PCB components



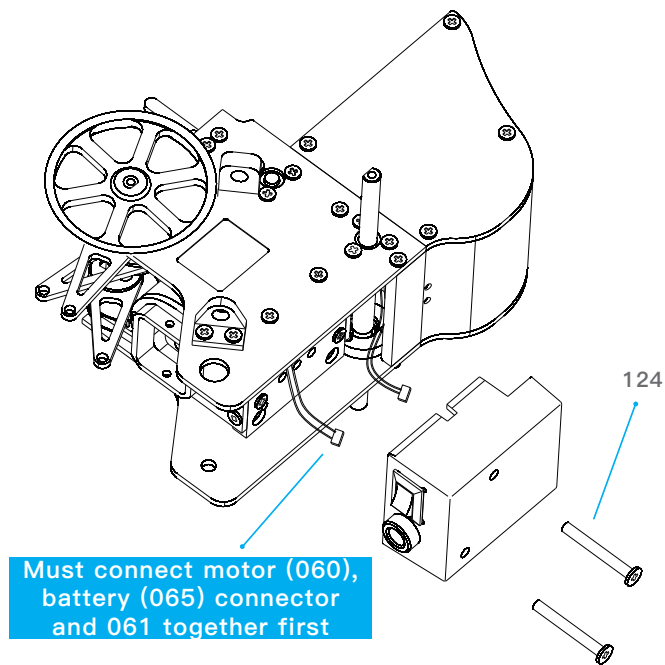
The 2 holes of 074/061 must be aligned with each other



Note: The wires between charging plug (133) and switch (134) must avoid the through holes of the screws



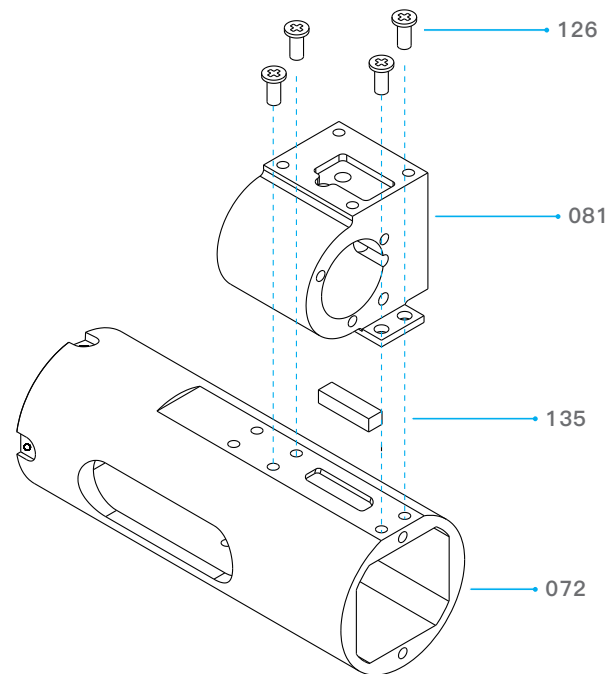
4.2 Assemble the body and PCB components



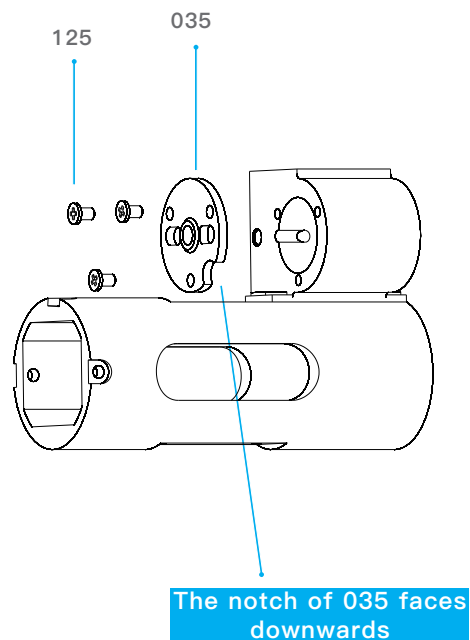
After the PCB box is assembled, you can turn on the switch and observe the operation.

5. Smoke box components

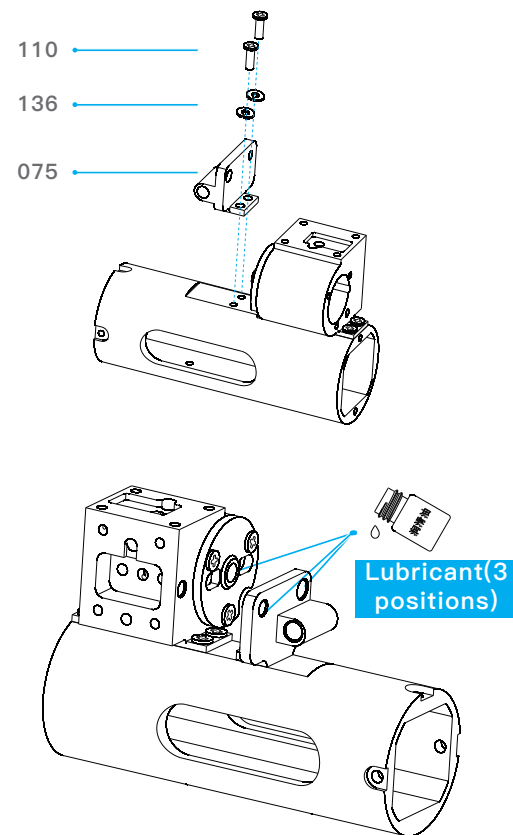
5.1 Install the engine body



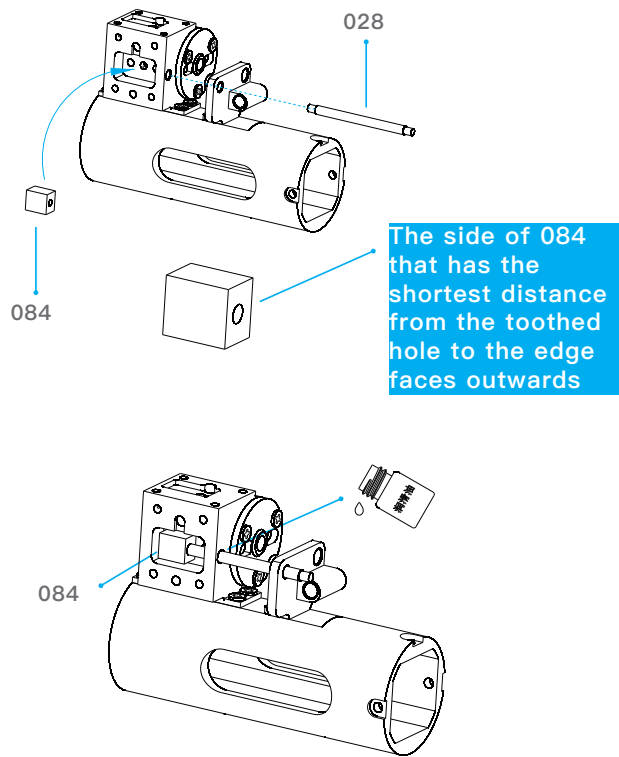
5.2 Installation of rear cover of generator



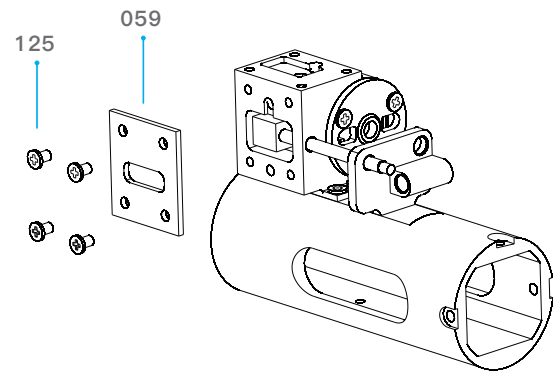
5.3 Install the pull rod support



5.4 Install the ventilating components



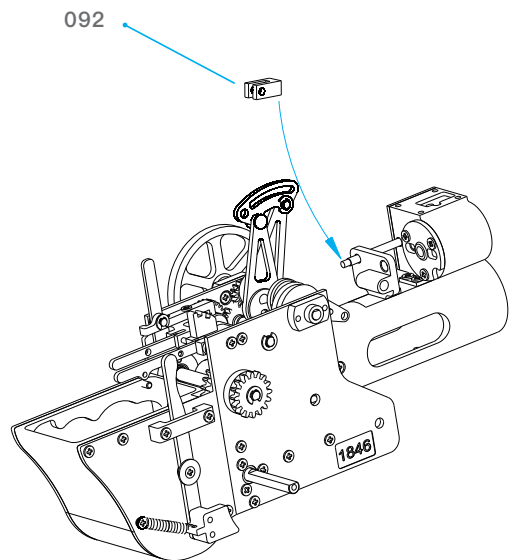
5.5 Install the side panel of engine



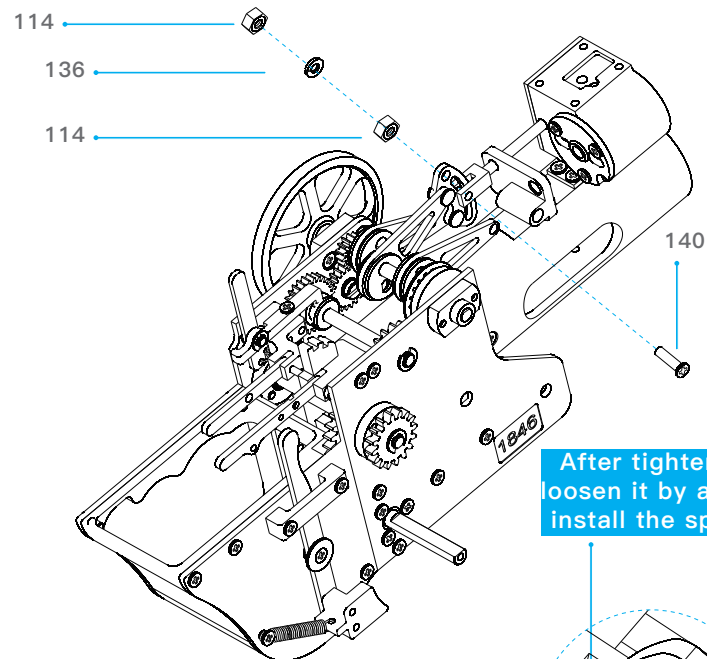
This diagram shows the exploded view of the motor assembly. The motor housing is on the left, and the gear train is on the right. The output shaft is shown with a large gear. Callout 126 points to the motor housing and the output shaft. Callout 136 points to the gear train assembly.

[illegible]

5.8 Install the pull rod seat

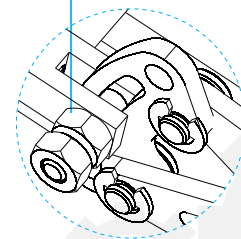


5.9 Install the swing arm connecting rod and the pull rod seat

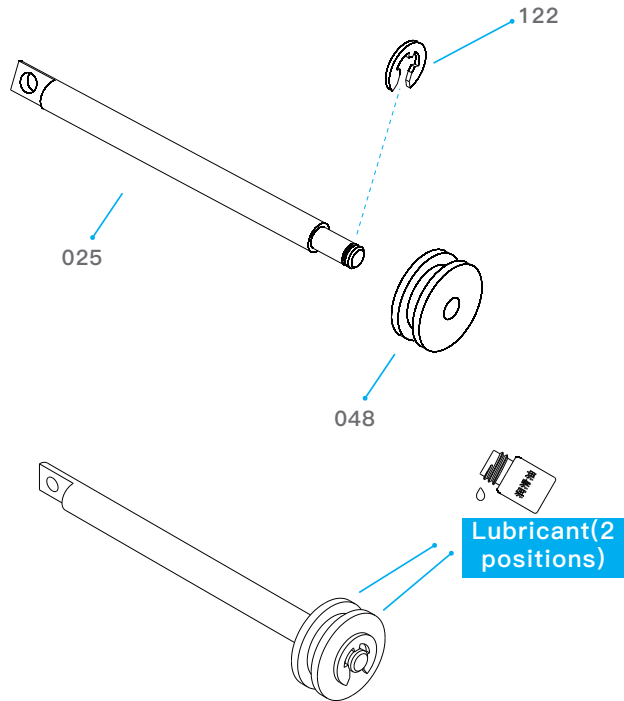


After tightening the first nut, loosen it by a half turn and then install the spring washer (136)

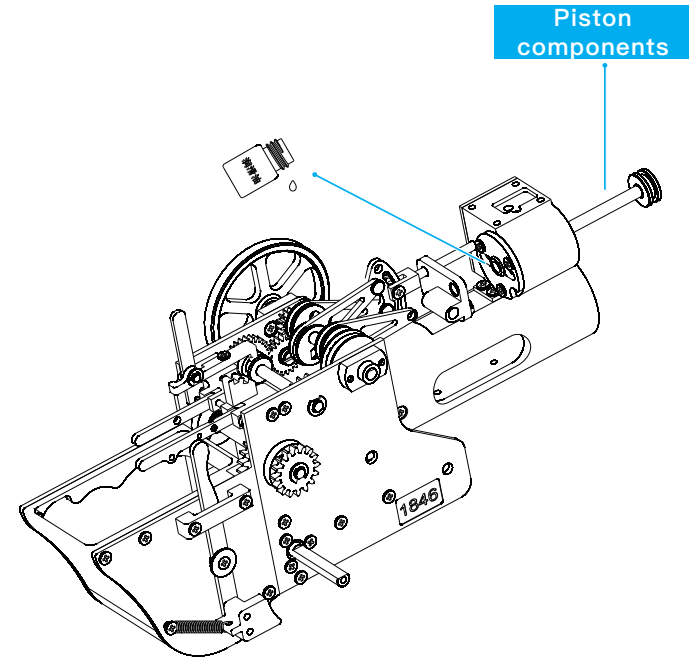
After the installation, you can start it up to observe whether the operation is normal



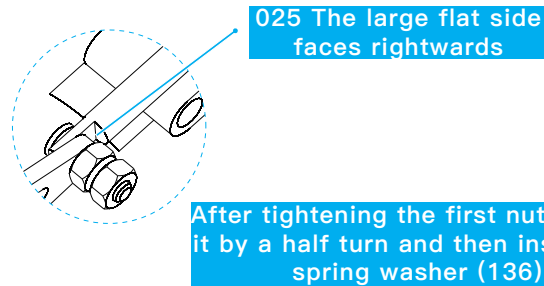
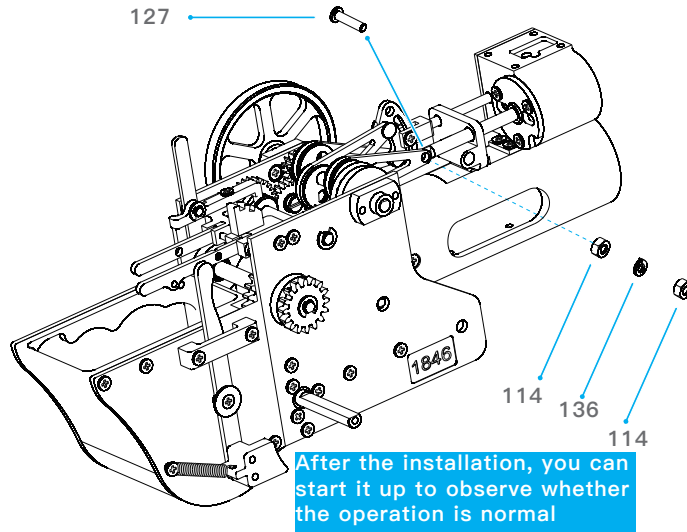
5.10 Install the speed-adjusting retaining pin



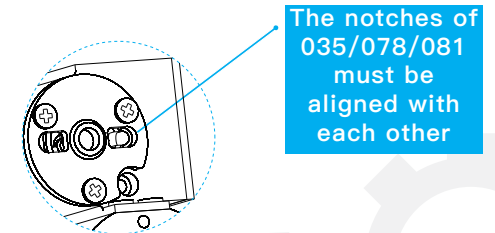
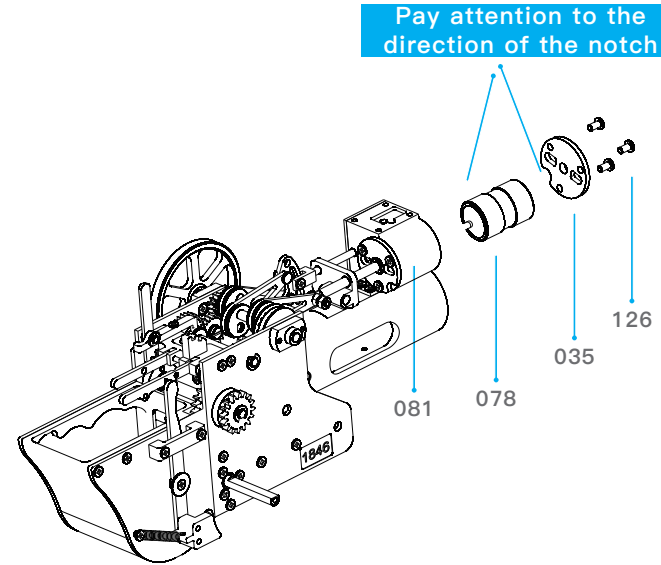
5.11 Install the speed-adjusting retaining pin



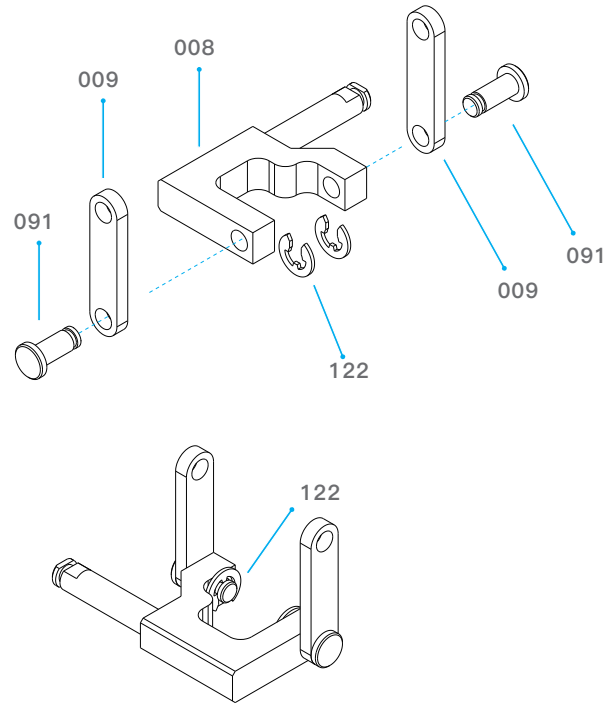
5.12 Install the connecting rod of eccentric wheel and the piston connecting rod



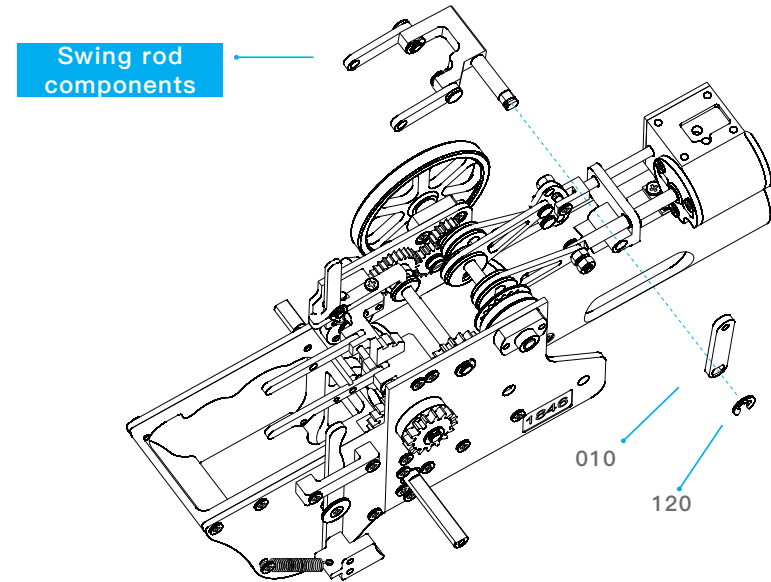
5.13 Installation of rear cover of generator



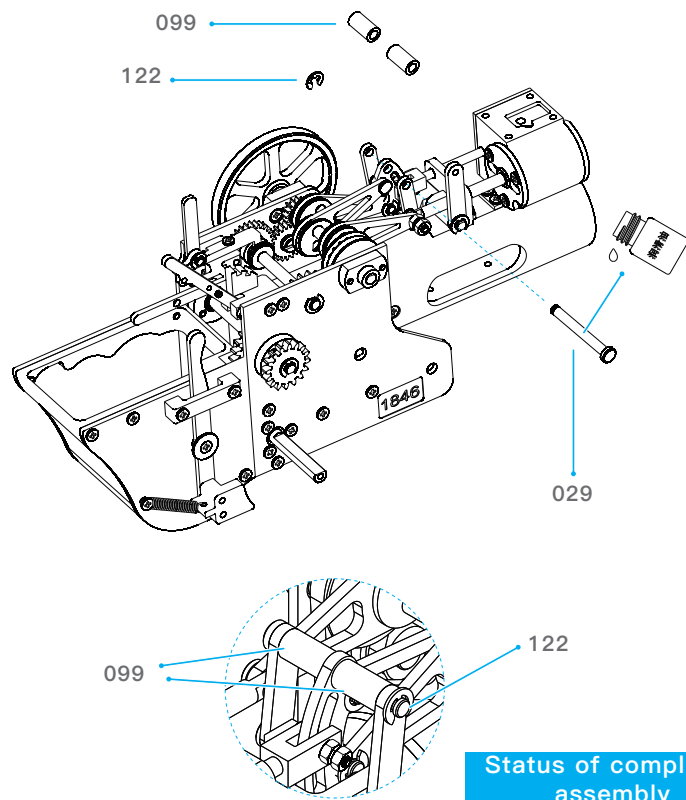
5.14 Assemble the swing rod components



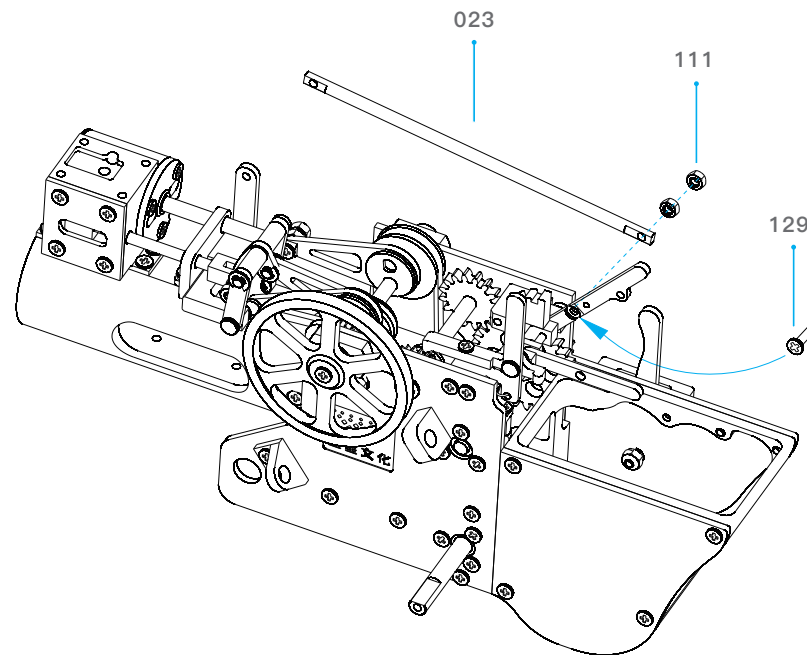
5.15 Install the flameout lever components



5.16 Install the retaining pin of swing rod

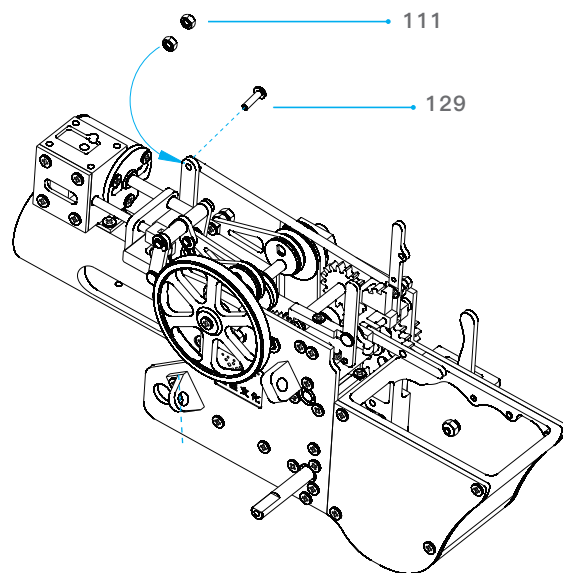


5.17 Install the revolution adjusting lever



After tightening the first nut (111), loosen it by a half turn, and then tighten the second nut.

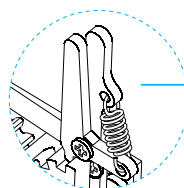
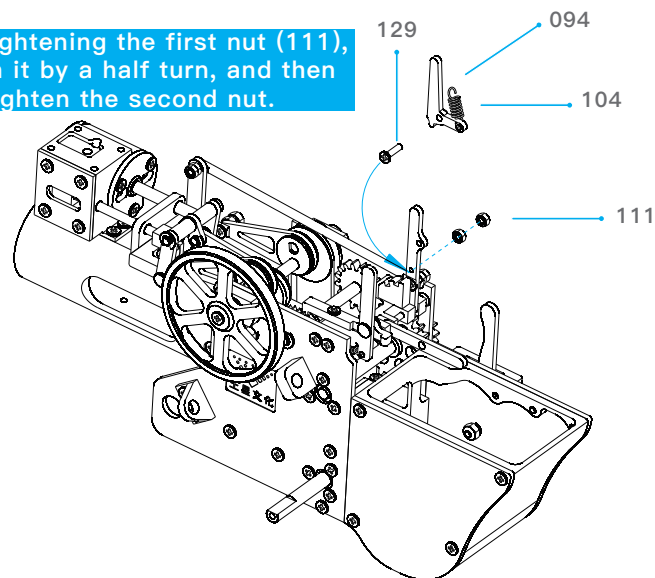
5.18 Fasten the revolution adjusting lever



After tightening the first nut (111), loosen it by a half turn, and then tighten the second nut.

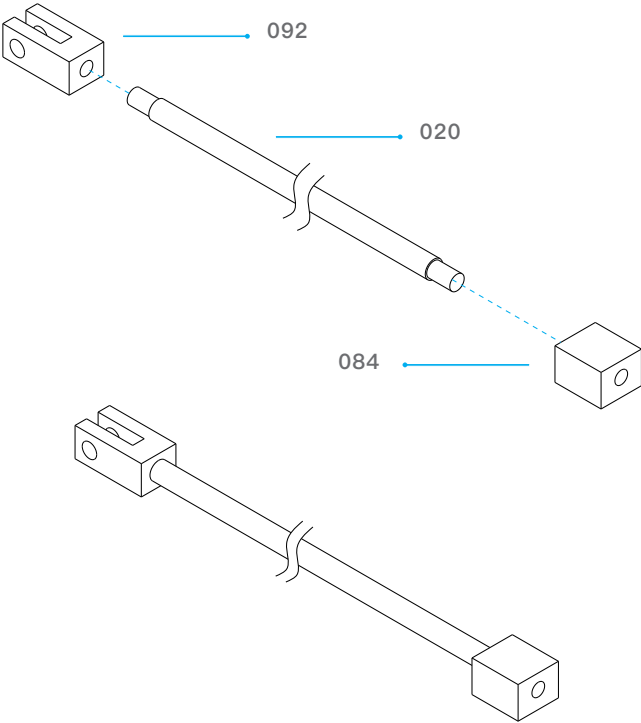
5.19 Install the speed adjusting handle

After tightening the first nut (111), loosen it by a half turn, and then tighten the second nut.

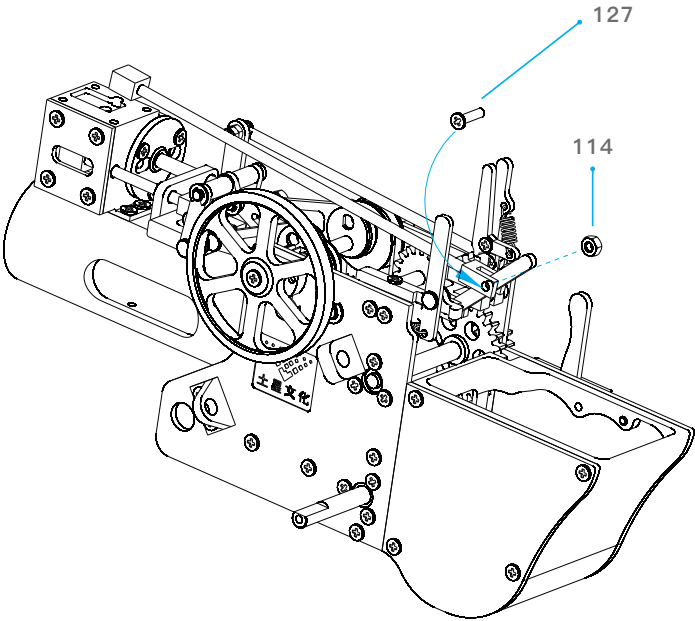


Must hook the tension spring (104) into the hole first, and then compress the opening of the tension spring into a smaller size with a screwdriver after tightening the nut.

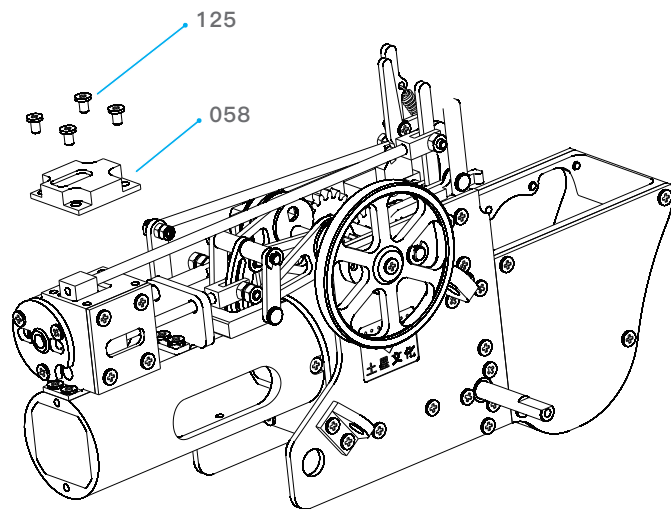
5.20 Assemble the flameout lever



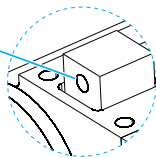
5.21 Install the flameout lever



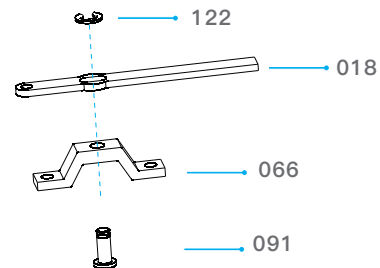
5.22 Install the hood



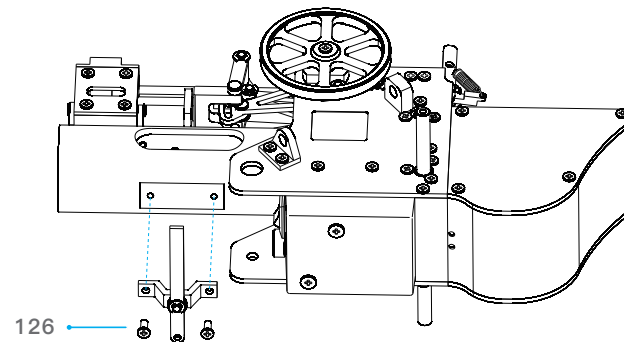
The side that has the shortest distance from the toothed hole to the edge faces upwards



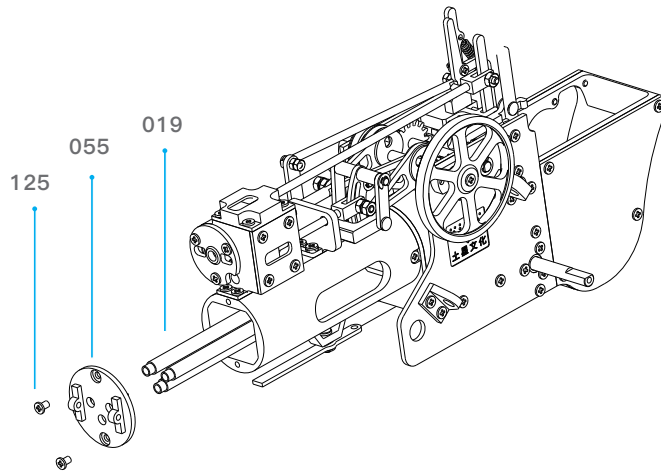
5.23 Assemble the steering block



5.24 Install the steering block

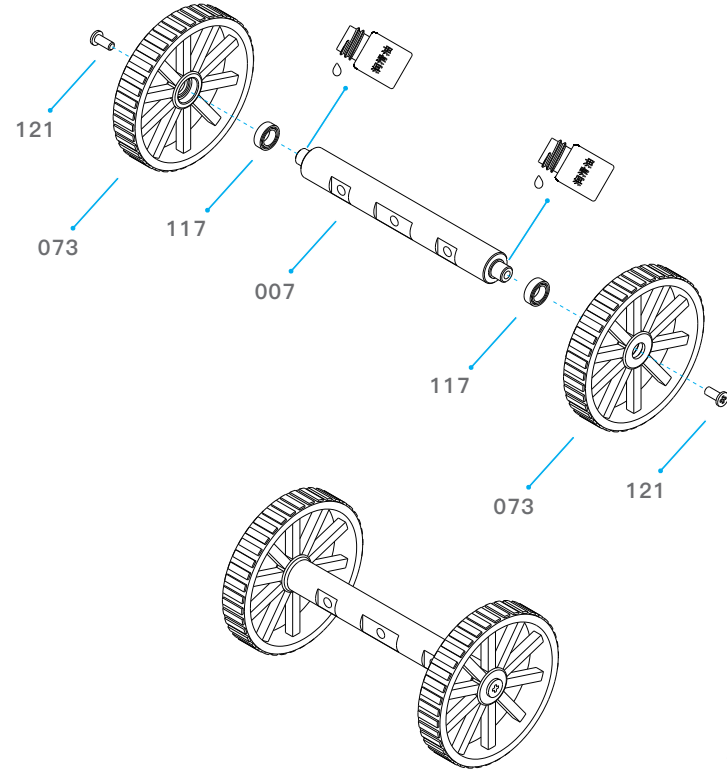


5.25 Installing the pipe

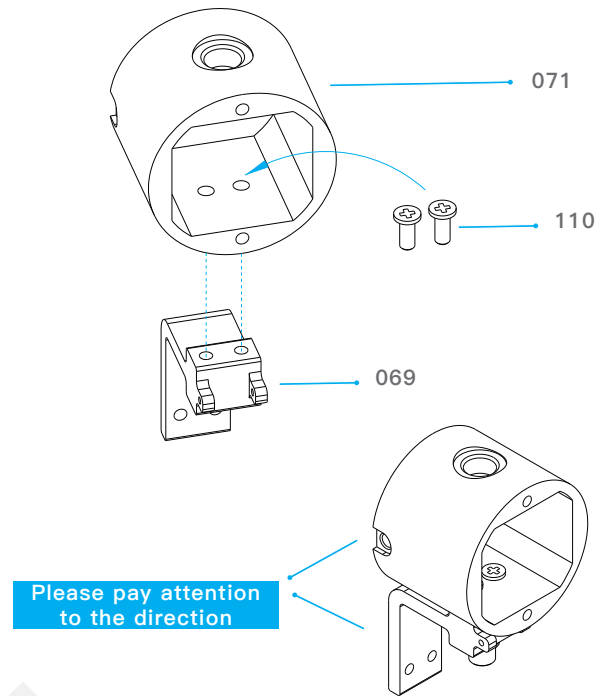


6. Front axle components

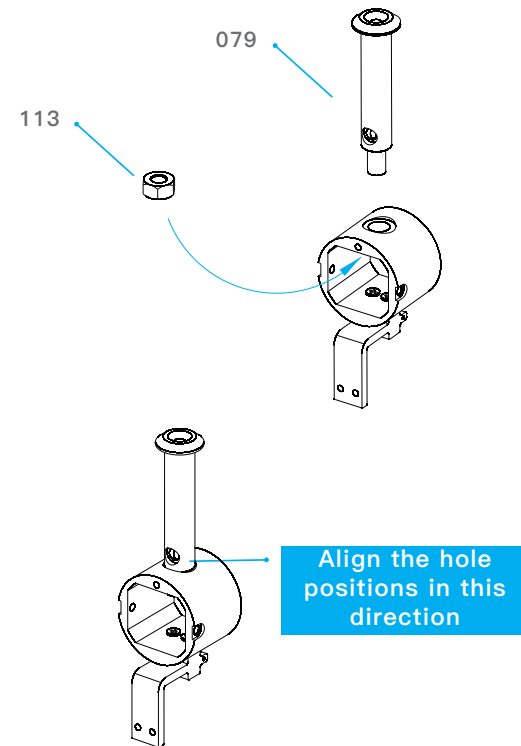
6.1 Assemble the front wheel axle and front wheel



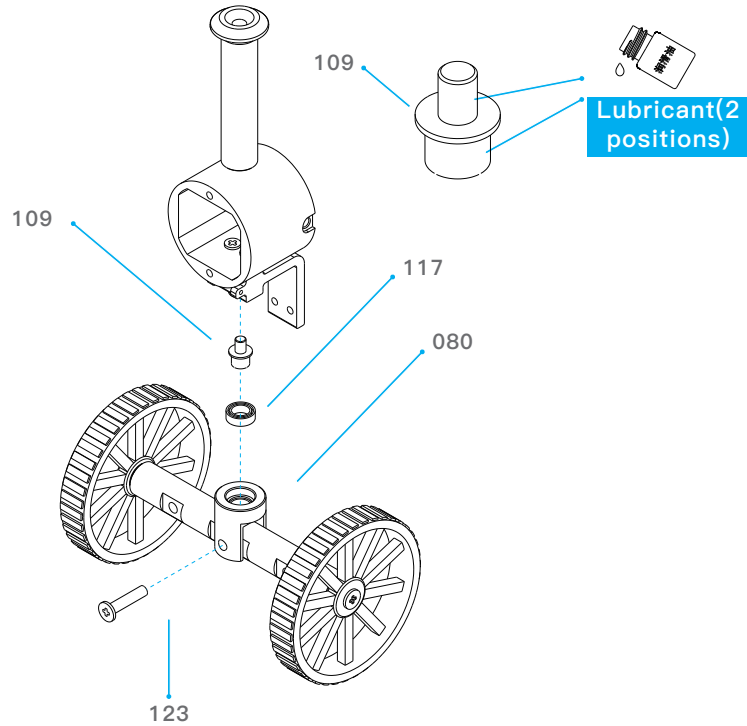
6.2 Assemble the front smoke pipe components



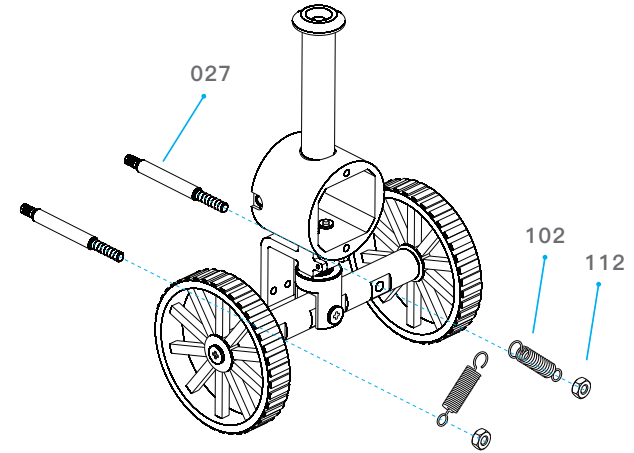
6.3 Install the chimney



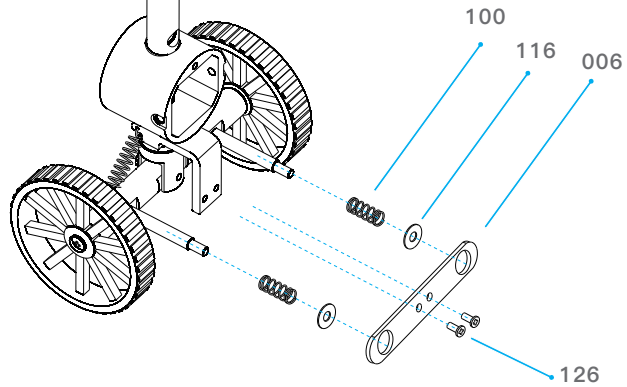
6.4 Assemble the front wheel and front smoke pipe assemblies



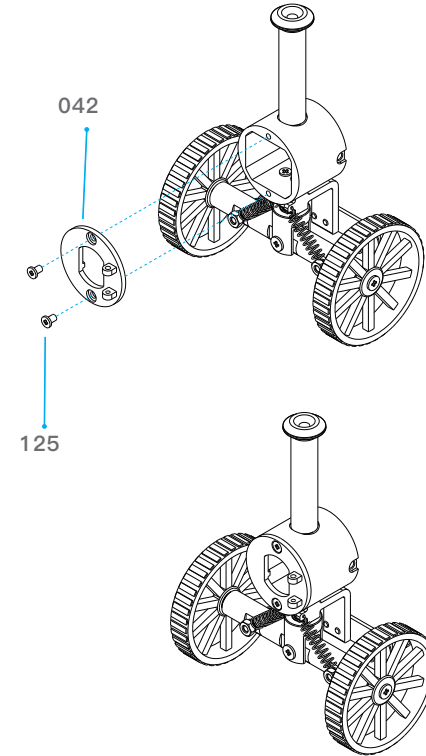
6.5 Install the tension spring of front wheel



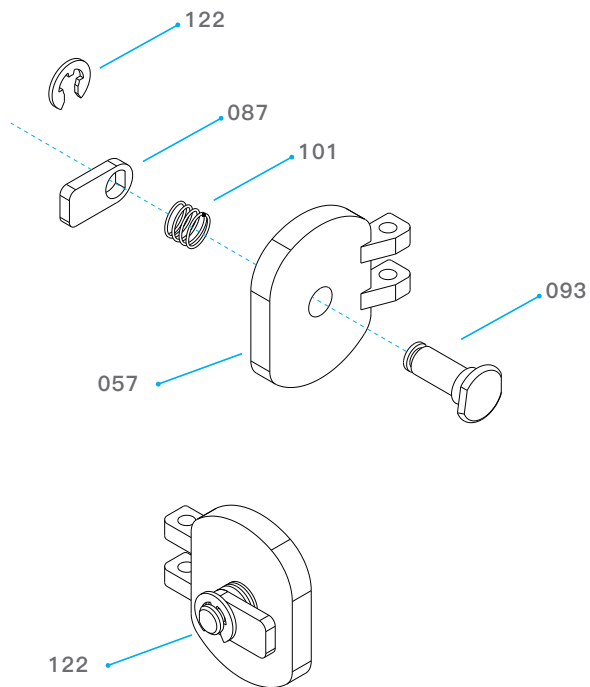
6.6 Install the longitudinal spring components



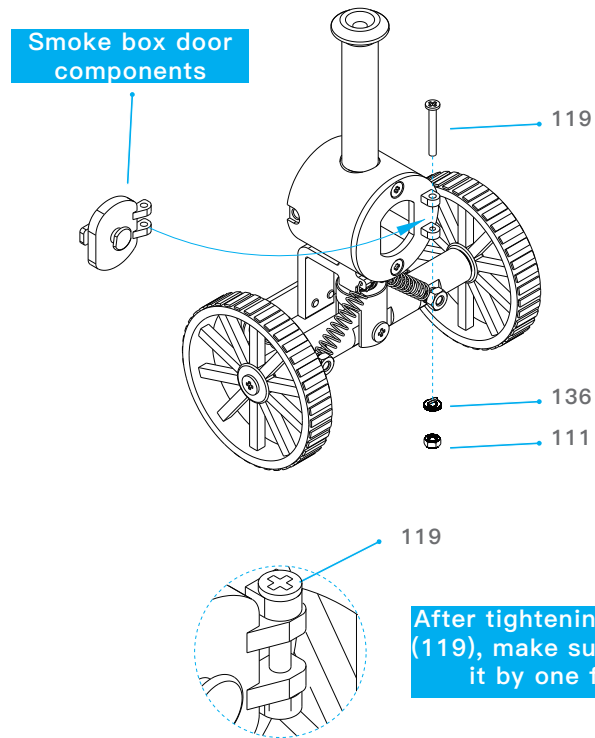
6.7 Install the front panel



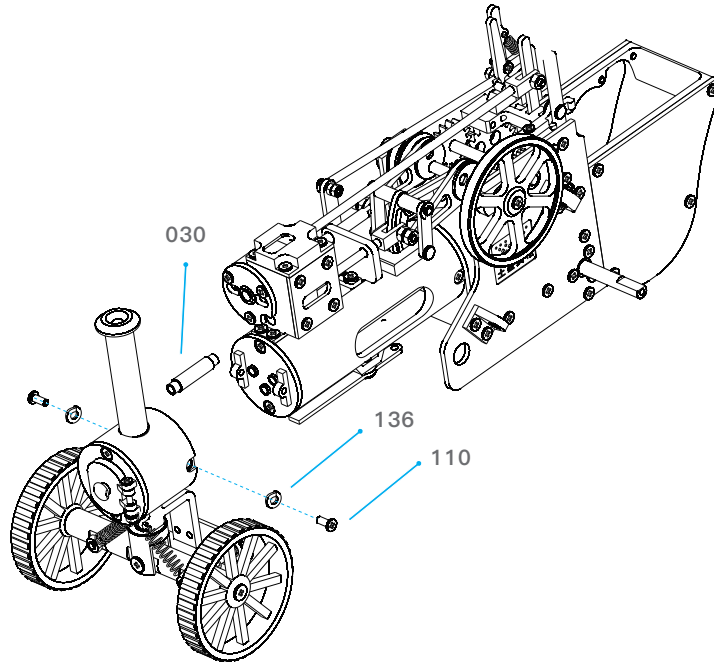
6.8 Install the smoke box door components



6.9 Install the smoke box door components

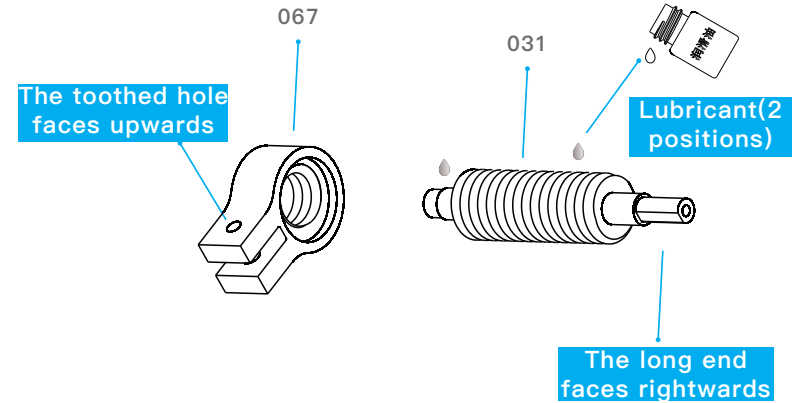


6.10 Assemble the front wheel components and large smoke pipe

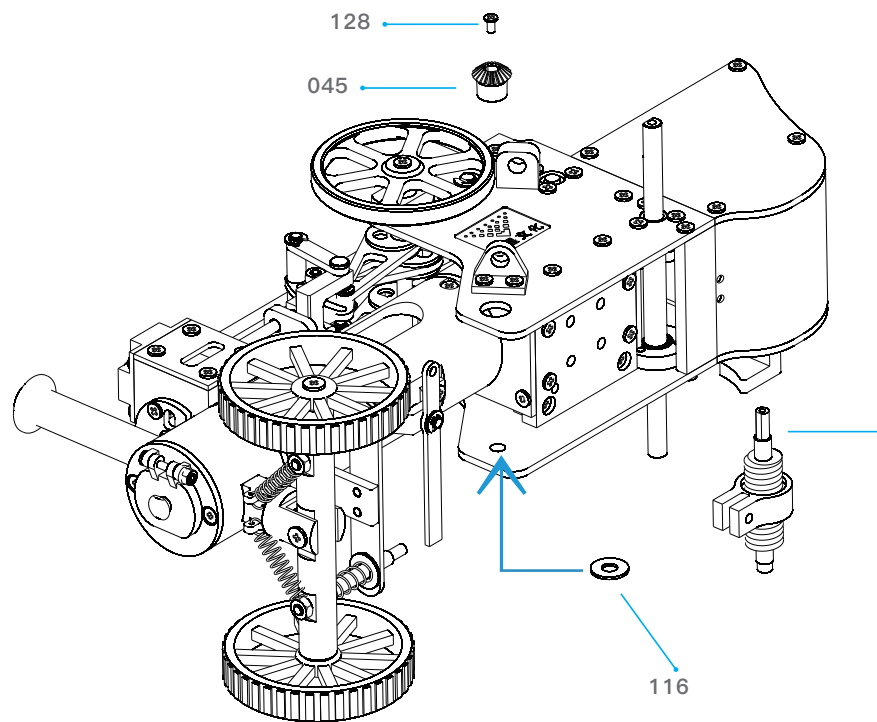


7. Steering system

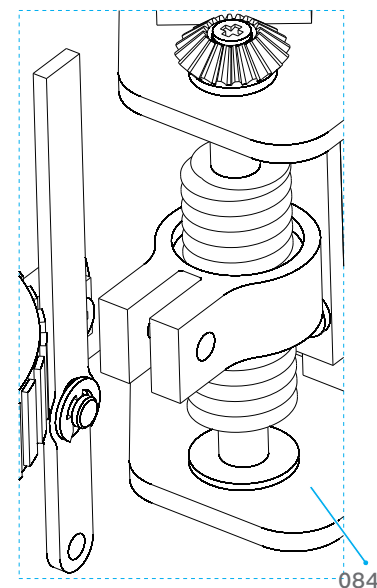
7.1 Install the steering shaft



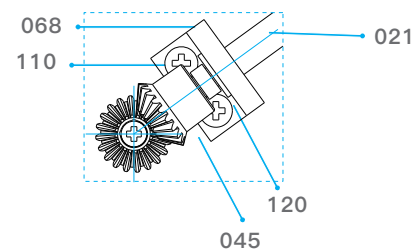
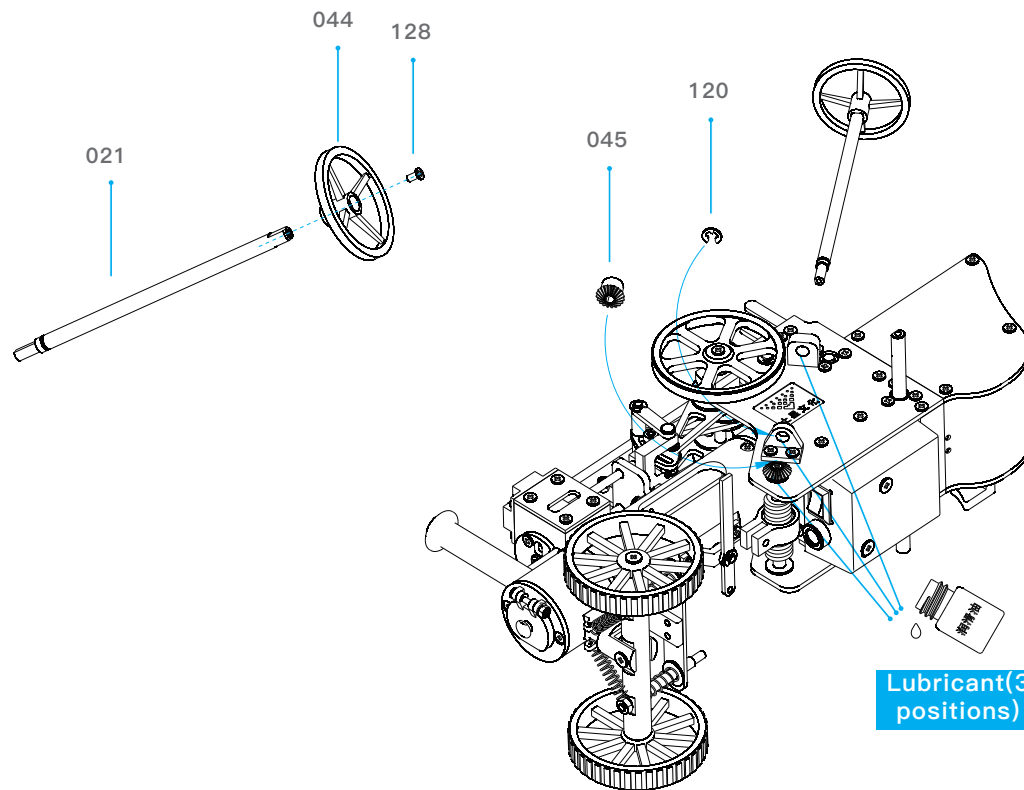
7.2 Assemble the steering shaft



First put the upper end into the hole obliquely, then place the spacer (116) in place and finally install the lower end

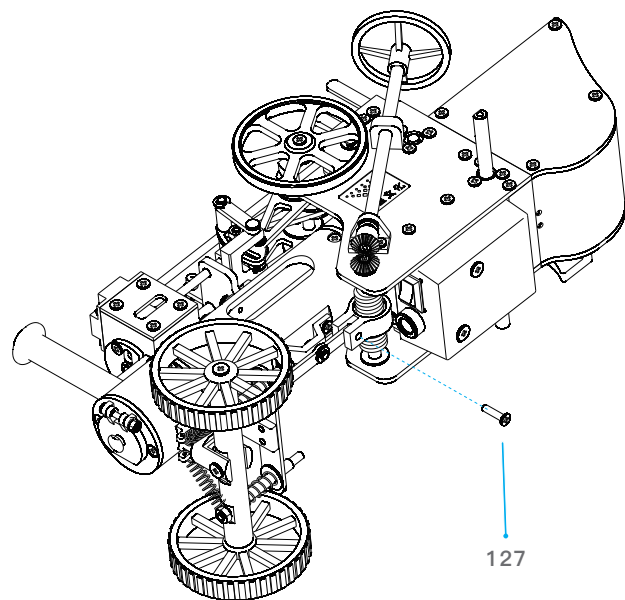


7.3 Install the steering wheel

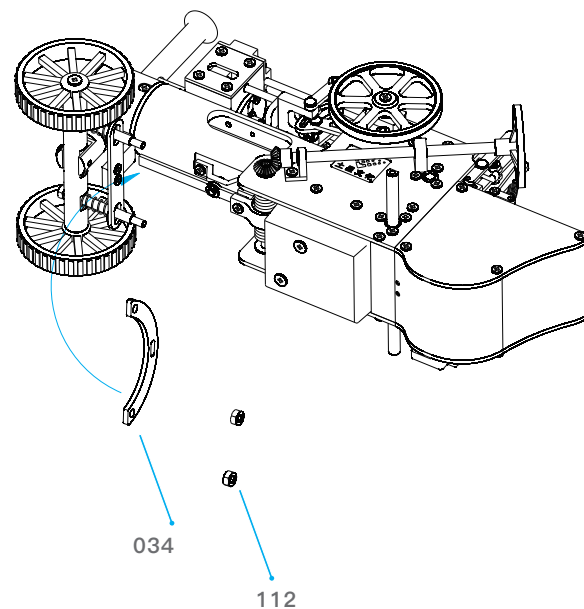


Explanation: First turn the steering wheel (044) with hands, if the turning is smooth, then install the snap spring (120). If not, loosen the screw (110) and adjust the steering shaft seat (068) to make sure that the bevel gear (045) is engaged normally. As shown below:

7.4 Install the steering block and steering slider

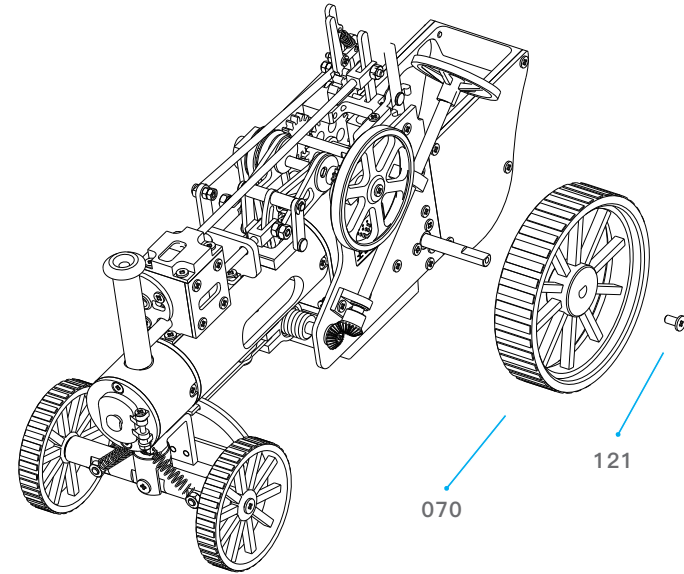
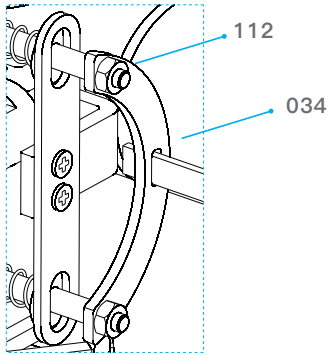


7.5 Install the steering plate

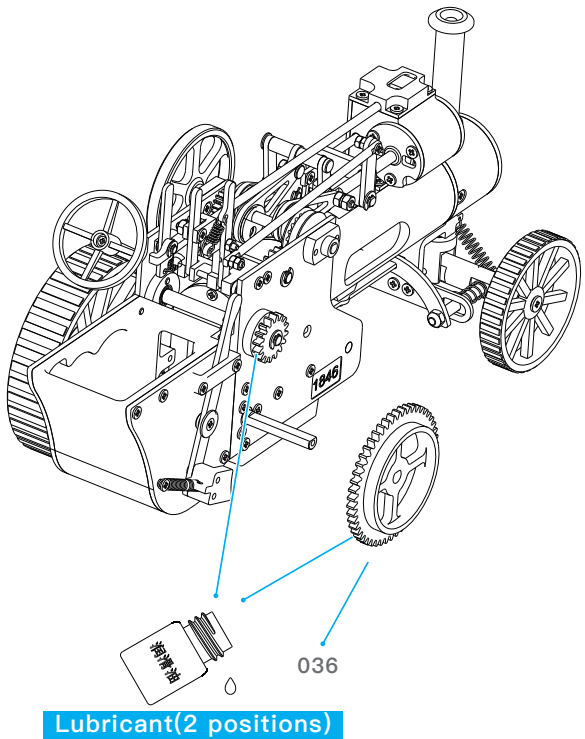


8. Rear axle components and brake system

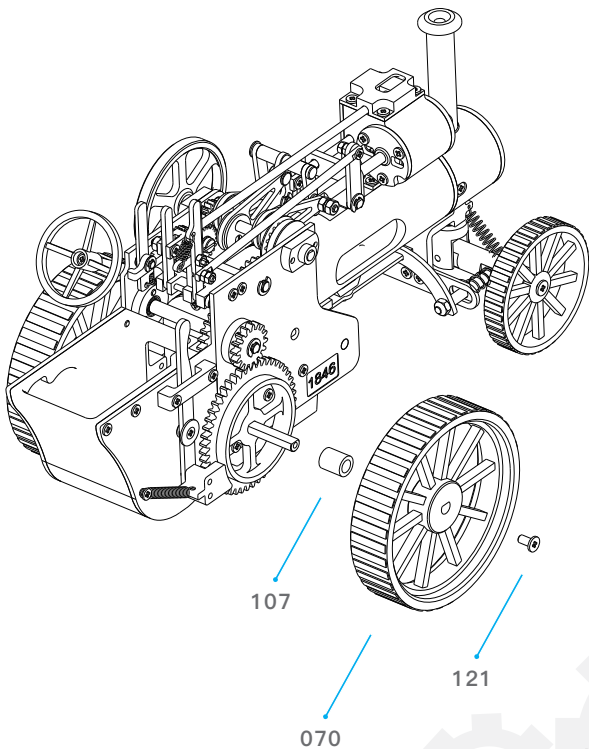
8.1 Assemble the rear left wheel



8.2 Install the gear-6

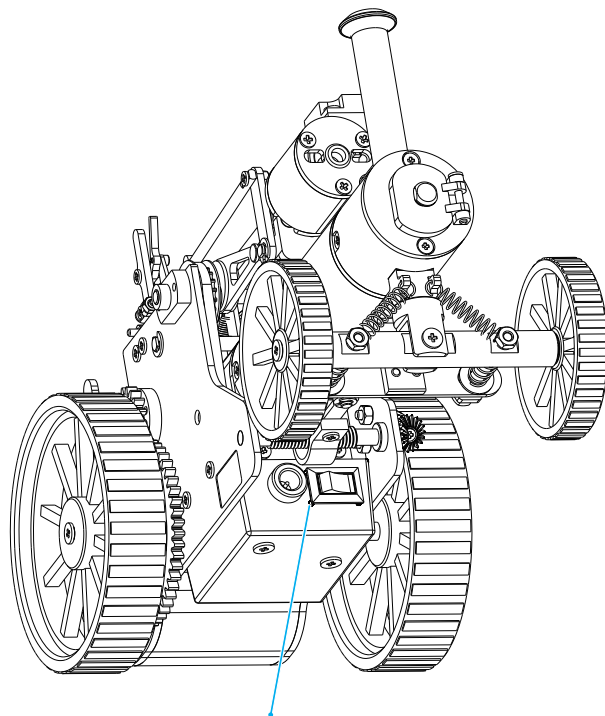


8.3 Install the rear right wheel



9. Charging state

Note: Charge before use upon completion of assembly.



Charging state
observation point

1 > This product is equipped with a dedicated charging cable. User-supplied power adapter, Its output DC voltage needs 5V, and its output DC current is not less than 1000mA. Do not use an adapter higher than 6V to charge the product;
2 > For other precautions, please refer to the second item in the "Notes" section of this manual;
3>Normal charging state:
♦ the red lamp is ON during charging;
♦ the blue lamp is ON when fully charged;
♦ the max. charging time is 2h.

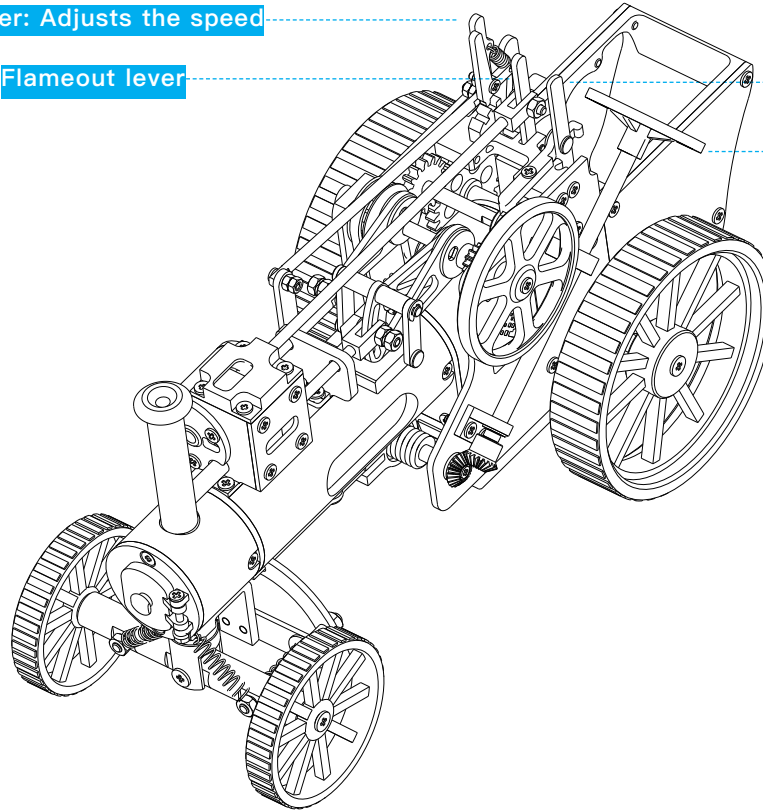
Function introduction:

Shift lever: Adjusts the speed

Flameout lever

Clutch lever: Controls whether
the train is driven

Steering wheel system:
Controls the driving
direction

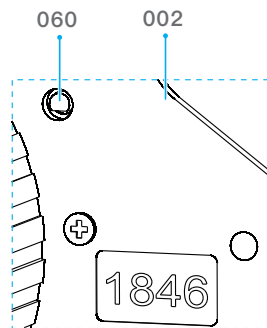


Fault analysis and elimination:

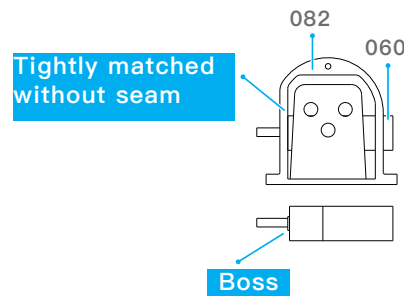
— > Mechanical failure analysis and elimination:

After assembly, open the switch, if the movement is abnormal; first check whether the relevant moving parts are coated with lubricating oil as shown in the figure, and then check the assembly sequence one by one according to the instructions; if no problem is found, please follow the steps below to find the problem and solve it.

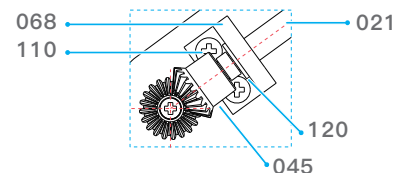
- 1> Is the part installed in the correct direction?
- 2> Is the screw tightened and loose?
- 3> Check if similar parts are reversed



4> If there is movement abnormality, check if the motor (060) shaft rubs against the hole in the right plate (002). If yes, loosen the retaining screw of the right plate (002), and gently move the right plate to allow the motor (060) shaft to locate in the middle position and then tighten the screw.



5> During the installation process, the motor's boss (060) must be installed in the hole of the water tank (082), then press the motor (060) firmly on the inside of the tank (082), flatten it and then tighten the screw.



If the steering wheel can not be turn smoothly or can not be turned at all, first turn the steering wheel (044) with hands. If the turning is smooth, install the snap spring (120). If not, loosen the screw (110) and adjust the steering shaft seat (068) to make sure that the bevel gear (045) is engaged normally. As shown in the above figure.

二 > Electronic troubleshooting

1 Charging failure

① Charger does not match

Solution:

Charge the product with a standard USB charger. The charger requires an output of 5V 1A (inclusive) or more. Use the USB head of TECHING's dedicated charging cable to plug into the USB port of the phone charger. Plug the round plug into the charging port of the product and charge it. As shown in Figure 1-1.

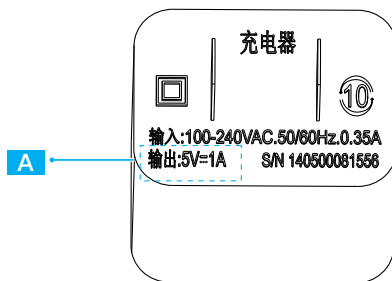


Figure1-1

输出: 5V=1A

A

② Whether the Charging cable round plug is inserted in the end.

Solutions:

Check if the round plug of Teching's special charging cable and the charging plug of the product (No. 133) are inserted into the end; as shown in Figure 1-2.

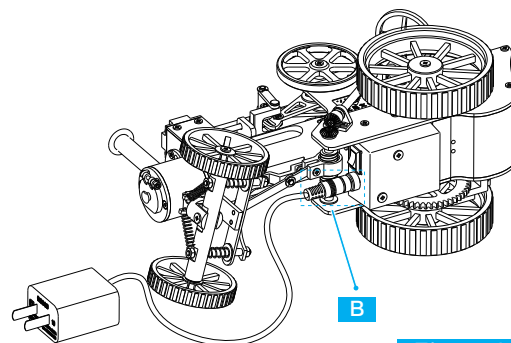
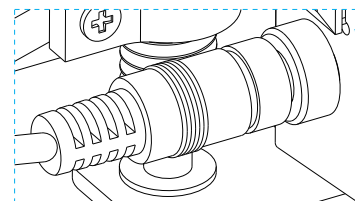


Figure1-2



Charging state
observation point

B

- ③ The white plug of the charging plug (number 133) is not positioned correctly.

Solutions:

insert the charging plug correctly into the charging interface position of the circuit board DC 5V (see page 22 of the manual), then charge the product, observe the charging light on the circuit board (number 061), and the red light is on when charging. The blue light is always bright when fully charged. As shown in Figure 1–3 state observation point.

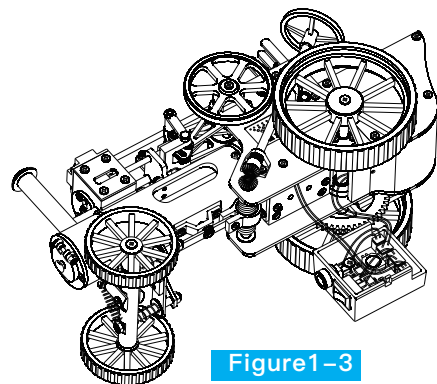
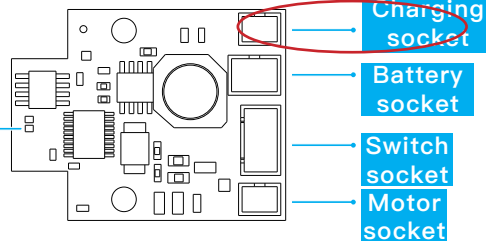


Figure1-3

Charging status indicator

The correct charging socket is at the board (DC5V) jack position, at the red circle.



Board (061) socket distribution position

Charging socket

Battery socket

Switch socket

Motor socket

- 2 The motor does not turn

- ① The battery is dead.

Solutions:

Use TECHING's dedicated charging cable to plug into the computer's USB port and the USB port of the phone charger. The red light is on when charging, and the blue light is on when fully charged. Turn on the power switch after fully charging to see if the motor can run normally. Figure 2-1.

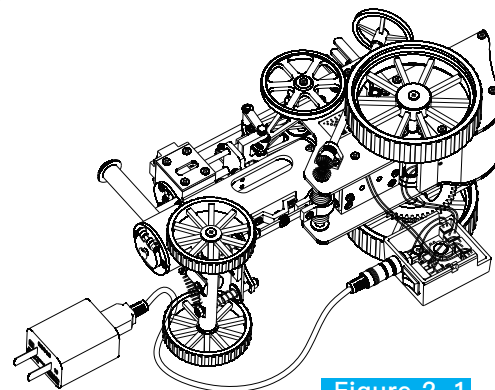


Figure 2-1

② Motor (serial number 060) plug position is incorrect.

Solutions:

Check if the motor (serial number 060) is in the correct position (see page 22 of the manual); as shown in Figure 2-2.

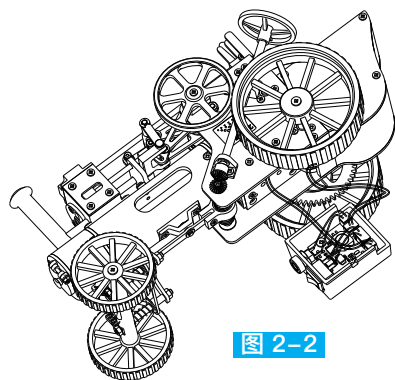
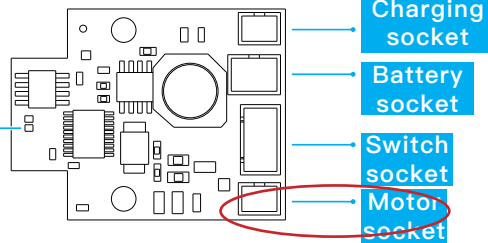


图 2-2

Charging status indicator

Board (061) socket distribution position



Charging socket

Battery socket

Switch socket

Motor socket

The correct Motor socket is at the board (DC5V) jack position, at the red circle.

③ Mechanical causes the motor does not turn.

Solutions:

Test the motor and board to see if it works smoothly. As shown in Figure 2-3. Note: If it can run smoothly, check the mechanical part according to the mechanical troubleshooting method. If it still does not work, please consult our after-sales support or return to factory for repair.

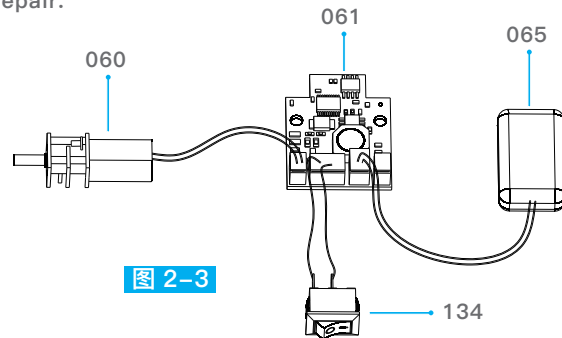
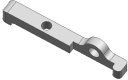


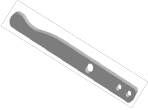
图 2-3

3 other

If the above solutions can not solve the problem, please consult Our after-sales support or return to factory for repair.

No.	Product picture	Product name	Qty.
001		Left plate	1
002		Right plate	1
003		Left plate of cargo bed	1
004		Right plate of cargo bed	1
005		Battery cover	1
006		Spring baffle plate	1
007		Front wheel axle	1
008		Ventilating block	1

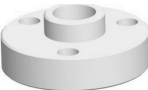
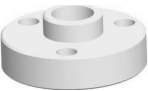
No.	Product picture	Product name	Qty.
009		Ventilating swing arm	2
010		Speed adjusting swing arm	1
011		Connecting rod seat of swing rod	1
012		Connecting rod of eccentric wheel	3
013		Clutch pull rod	1
014		Flameout handle	1
015		Eccentric gear	3
016		Speed adjusting lever	1

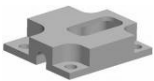
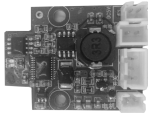
No.	Product picture	Product name	Qty.
017		Brake handle	1
018		Steering block	1
019		Smoke pipe	3
020		Flameout lever	1
021		Steering wheel shaft	1
022		Rear wheel axle	1
023		Revolution adjusting lever	1
024		Eccentric wheel shaft	1

No.	Product picture	Product name	Qty.
025		Piston rod	1
026		Gear 3 shaft	1
027		Steering spring shaft	2
028		Ventilating rod	1
029		Retaining pin of swing rod	1
030		Exhaust pipe	1
031		Steering shaft	1
032		Gear shaft-5	1

No.	Product picture	Product name	Qty.
033		Clutch swing rod	1
034		Steering plate	1
035		Rear cover of generator	2
036		Gear-6	1
037		Gear-5	1
038		Gear-3	1
039		Timing pulley -1	1
040		Timing pulley -2	1

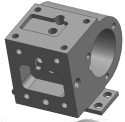
No.	Product picture	Product name	Qty.
041		Gear-4	2
042		Front panel	1
043		Boiler door	1
044		Steering wheel	1
045		Bevel gear	2
046		Gear-1	1
047		Gear-2	1
048		Piston	1

No.	Product picture	Product name	Qty.
049		Bearing pedestal 1	2
050		Bearing pedestal 2	2
051		Bearing pedestal 3	2
052		Pull rod bottom plate	1
053		Rear panel	1
054		Rear cover of smoke pipe	1
055		Front cover of smoke pipe	1
056		Boiler bottom plate	1

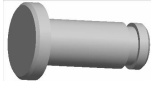
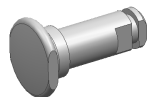
No.	Product picture	Product name	Qty.
057		Smoke box door	1
058		Hood	1
059		Side panel of engine	1
060		Motor	1
061		PCB plate	1
062		Flywheel	1
063		Brake retaining block	1
064		Brake block	1

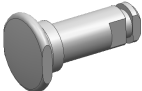
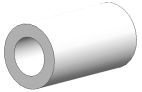
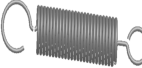
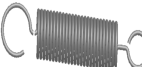
No.	Product picture	Product name	Qty.
065		Battery	1
066		Steering shaft bracket	1
067		Steering slider	1
068		Steering shaft seat	1
069		Front wheel bracket	1
070		Rear wheel	2
071		Front flue	1
072		Big flue	1

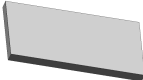
No.	Product picture	Product name	Qty.
073		Front wheel	2
074		PCB box	1
075		Pull rod support	1
076		Boiler	1
077		Cargo bed	1
078		Piston sleeve	1
079		Chimney	1
080		Front wheel axle bracket	1

No.	Product picture	Product name	Qty.
081		Engine body	1
082		Water tank	1
083		Washer	2
084		Ventilating slider	2
085		Washer of eccentric wheel	3
086		Pull rod pin	1
087		Latch	1
088		Steering shaft seat	1

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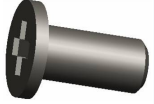
No.	Product picture	Product name	Qty.
089		Brake sleeve	1
090		Wheel shaft -2	1
091		Steering pin	3
092		Lever base	2
093		Door handle	1
094		Speed adjusting handle	1
095		Tension pulley shaft	1
096		Tension pulley	1

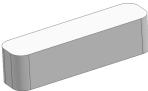
No.	Product picture	Product name	Qty.
097		Speed adjusting fixed base	1
098		Back door handle	1
099		Swing rod shaft sleeve	2
100		Pressure spring	2
101		Latch spring	1
102		0.5*5*26 tension spring	2
103		0.5*4*16 tension spring	2
104		Speed adjusting spring	2

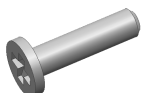
No.	Product picture	Product name	Qty.
105		PCB pad	1
106		Eccentric wheel shaft sleeve	2
107		Rear wheel axle bushing	1
108		Swing rod pin	3
109		Front wheel bearing pin	1
110		Screws CM2.5*8	15
111		M2 nut	10
112		M3 nut	8

No.	Product picture	Product name	Qty.
113		M6 nut	1
114		M2.5 nut	10
115		M3 spring washer	3
116		φ4 washer	4
117		ø5 bearing	5
118		ø4 bearing	4
119		CM2X16 screw	1
120		Snap spring M3	8

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No.	Product picture	Product name	Qty.
121		Screws CM3*6	5
122		Snap spring M2.5	12
123		Screws CM3*14	1
124		Screws TM3*25	2
125		Screws CM2.5*4	32
126		Screws CM2.5*6	60
127		Screws CM2.5*10	12
128		Screws CM2*4	6

No.	Product picture	Product name	Qty.
129		Screws CM2*8	7
130		Screws CM2*14	1
131		Cup head M1.6*3	4
132		Timing belt 3M/42	1
133		Charging plug	1
134		Switch	1
135		Flat key	1
136		M2.5 spring washer	12

No.	Product picture	Product name	Qty.
137		CM2.5*14	1
138		0.5 Thick M3 washer	1
139		CM3*4 screw	1
140		CM2.5*12 screw	1

Warranty instruction

I. Warranty Instruction

Please carefully read the following warranty terms when purchasing this product so as to assure effective warranty for the product:

1. Since this product is for assembly experience, "7-day no-hassle return/change policy" is not available if no quality defect is found after unpacking. "7-day no-hassle return policy" is available if the package is not removed;
2. When this product is purchased, your dealer will assist you to write down your complete real information on the warranty card, when you should ask the dealer for effective invoice or purchase voucher; then, the invoice and voucher shall be properly kept;
3. Users who apply for warranty have to show their purchase invoices or effective "three guarantees" certificate. For users who lost their effective voices or "three guarantees" certificate and fail to provide their copies, the warranty period is one year from the 60th day after the manufacturing of machine;
4. The warranty object is the parts that are found with defects after purchase and before use. We provide paid services for parts damaged by improper use by users;
5. We reserve the right to interpret and modify the terms & conditions of after-sales service.

II. Items of After-sales Service and Warranty

1. The warranty period for motor, battery and circuit board is three months from the day on which they are received and accepted; the warranty period for other parts is one year from the day on which they are received and accepted;
2. The user who finds some part missed when purchasing a new machine could request the manufacturer to supply the missed part within 30 days after the purchase date on warranty card; the user has to purchase that

part at Teching's official website after the said 30 days;

3. If the assembled product fails to run or run properly, the user could either consult the manufacturer for possible causes, or send the product back to the manufacturer for free testing or debugging;
4. We and our authorized agencies provide free technical advice or instruction for users who encounter any product problem;
5. All parts and accessories replaced within the scope of the warranty belong to our company. Users have to provide defective parts so that we can exchange them with new ones.

III. Items outside Scope of Warranty

1. Beyond the "three guarantees" period;
2. Damage is caused by failure to use, maintain and keep the product as per instruction manual;
3. Products that are not sold by us or our authorized sales outlets;
4. Those who hold no valid invoice or "three guarantees" certificate, or those who modify the after-sales service card without permission (except the case where the product is confirmed to be within the "three guarantees" period);
5. The product model or serial number on after-sales service card fail to match the commodity;
6. Damage caused by force majeure (e.g. flood, fire, earthquake, lightning strike, etc.);
7. Natural wear during the use of product, e.g. the problems arising from product gaps expansion, lubricating oil shortage, and battery aging, etc.;
8. For the faults (e.g. moisture invasion, dampness, breakage, external force extrusion, deformation and improper use, etc.) caused by other factors than product quality;
9. Dealers shall make agreement on warranty coverage; the situations outside this warranty agreement are not covered by the warranty.

After-sales service for user

1. Scan the Teching Assistant QR code for technical consultation;
2. Relevant technical information is available at Teching's official account;
3. You can call our hotline directly and consult our technician;
4. Technical consultation can be sent to us by mail;
5. Technical advice can be obtained from nearby authorized agencies;
6. You are encouraged to bring forward your comments and suggestions on our products and your expectations for new products in various manners.

After-sales service card

Account name: _____ Tel: _____

Product name: _____ Product No.: _____

Serial number of product: _____

Problem description: _____

Service content:

- ☐ Part replenishment ☐ Testing service
☐ Part replacement ☐ Return and change of goods needed

Sales unit: _____

Place of sale: _____

Operator: _____ After-sales completion time: _____

Company:

Guangzhou Teching Cultural Development Co., Ltd.

Address:

Baosheng Building, Hongming Road,
Huangpu District, Guangzhou City, China

After-sales email: info@teching.org

Hotline: 4001-020-019

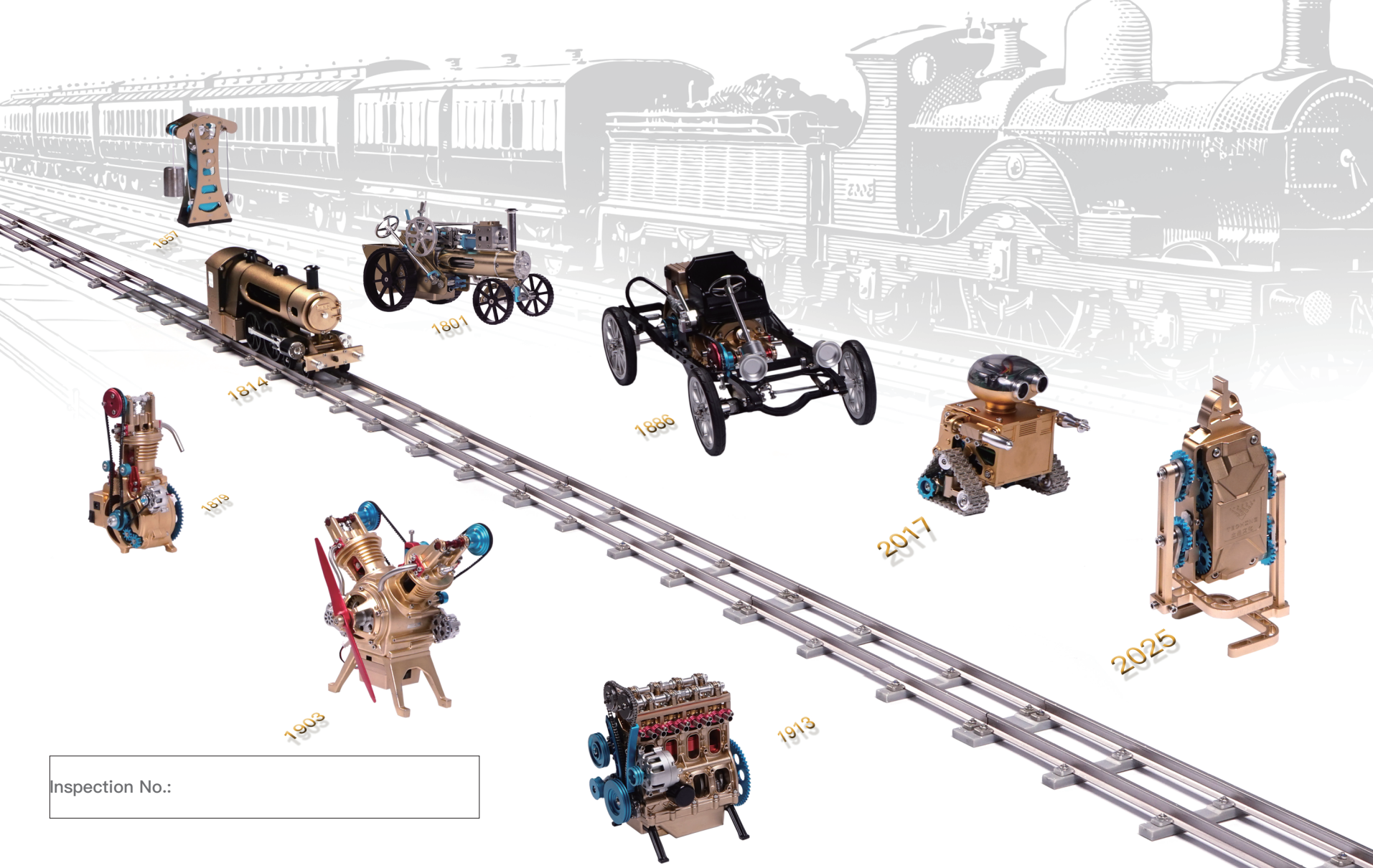


WeChat public account of
Teching Cultural Development



Teching Assistant





Inspection No.: