

Demolition Hammer

Model: *XP-65RA-3*

HANDLING INSTRUCTIONS



Before using this XINPU demolition hammer, please carefully read though these **HANDLING INSTRUCTIONS**. Ensure that you know how the machine works, and how it should be operated. Maintain the machine in accordance with the instructions, and make certain that the machine work correctly, please store this instriation and other enclosed documents with the machine together



Bj:2013

Application

This hammer should be applied to breaking concrete, chipping off concrete, grooving, bar cutting, and driving piles in installation of piping and wiring, unitary facility installation, machinery installation water supply, and drainage work, interior jobs, harbor facilities and other civil engineering work etc..

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1. Machine information

Technical specifications

| | | |
|---|--|--|
| Machine Type | XP-65RA-3 | |
| Voltage | AC 230V | |
| Frequency | 50Hz | |
| Input power | 1700W | |
| Impact rate | 1400/min | |
| Weight | 15.6kg | |
| Impact energy | 48J | |
| Bit lock style | 30mm hexagon flat shank lock system | |
| Sound pressure values (in accordance with 2000/14/EC) | 83dB (A) | |
| Guaranteed Sound power values (in accordance with 2000/14/EC) | 105dB (A) | |
| Vibration | Main handle: $a_{h,Cheq}$: 14.499m/s² $k=1.5m/s^2$ Auxiliary handle: $a_{h,Cheq}$: 15.289m/s² $k=1.5m/s^2$ | |

Standard accessories

| | |
|--------------------------------|------------------|
| Hexagon bar wrench 6mm(for M8) | 1 piece |
| Hexagon bar wrench 5mm(for M6) | 1 piece |
| Oil tank cover wrench | 1 piece |
| One bottle of oil | 60g (one bottle) |
| Bull point chisel(30*410mm) | 1 piece |
| flat chisel(30*410mm) | 1 piece |
| Carbon brush(6.5*17*18mm) | 2 pieces |

Optional accessories (sold separately)

Notice: Optional accessories (sold separately) are recommended only for **XINPU** tool for specified purpose in manual, any other brand accessories or attachments used may present risk of injury.

1. Point chisel Hexagon size30*410 length (Unit: mm)



2. Flat chisel Hexagon size30*410 length (Unit: mm)



3. Big flat chisel Hexagon size30*410 length*50Cutting width (Unit: mm)



4. Groove chisel Hexagon size30*410 length (Unit: mm)



5. Bend big flat chisel Hexagon size30*410 length*75 Cutting width (Unit: mm)



6. Tine spade Hexagon size30*440 length (Unit: mm)



7. Square spade Hexagon size30*440 length (Unit: mm)



8. Bush hammer heads + Shank Hexagon size30*410 length (Unit: mm)



Tooth distance: 12mm
Tooth high: 8mm
Length*width: 60*60mm

9. Tamping plate +Shank Hexagon size30*394 length (Unit: mm)



Length*width: 150*150mm

10.Big flat spade+ Shank Hexagon size30*296 length (Unit: mm)



Length*width: 170*150mm

11.Lubricate oil one bottle(60g)



12.4PCS KITS Hexagon size30*410 length (Unit: mm)



2. Safety instructions

In this operator's manual/or machine's labels following symbols are used:



Read the manual carefully



Accordance with essential applicable safety of European directives



Denote risk of personal injury, loss of life or damage to the tool in case of nonobservance of the instruction in this manual.



Indicate electrical shock hazard.



Immediately unplug the plug from the main electricity in the case that the cord gets damage and during maintenance.



Wear ear and eye protection.



Faulty and /or discarded electrical or electronic apparatus have to be collected at the appropriate recycling location.



The guaranteed Noise Value according to Noise Directive

General Power Tool Safety Warnings



WARNING Read all safety warnings and all instructions *Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference

The term “power tool” in the warnings refer to your mains operated (corded) power tool or battery operated (cordless) power tool.

1) Work area

- a) Keep work area clean and well lit. *Cluttered and dark areas invite accidents.*
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Power tools create sparks which may ignite the dust or fumes.*
- c) Keep children and bystanders away while operating a power tool. *Distractions can cause you to lose control.*

2) Electrical safety

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) Do not expose power tools to rain or wet conditions. *Water entering a power tool will increase the risk of electric shock.*
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. *Damaged or entangled cords increase the risk of electric shock.*
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) If operating a power tools in a damp location is unavoidable, use a residual current device (RCD) protected supply. *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. *A moment of inattention while operating power tools may result in serious personal injury.*

- b) Use safety equipment. Always wear eye protection. *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) Avoid accidental starting. Ensure the switch is in the off position before plugging in. *Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.*
- d) Remove any adjusting key or wrench before turning the power tool on. *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) Do not overreach. Keep proper footing and balance at all times. *This enables better control of the power tool in unexpected situations.*
- f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. *Use of these devices can reduce dust related hazards.*

4) **Power tool use and care**

- a) Do not force the power tool. Use the correct power tool for your application. *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) Do not (use the power tool if the switch does not turn it on and off. *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. *Power tools are dangerous in the hands of untrained users.*
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. *Many accidents are caused by poorly maintained power tools.*
- f) Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control;*
- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different from intended could result in a hazardous situation.*

5) **Service**


- a) Have your power tool serviced by a qualified repair person using only identical replacement parts. *This will ensure that the safety of the power tool is maintained.*

Special requirements for Chisel

- **Wear ear protectors with impact drills.** *Exposure to noise can cause hearing loss.*
- **Use auxiliary handles supplied with the tool.** *Loss of control can cause personal injury.*

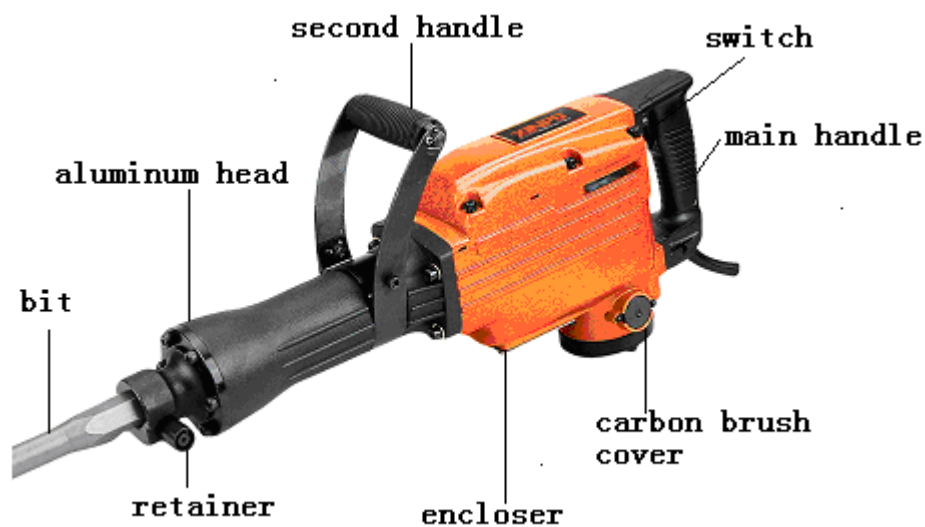
Additional safety rules:



1. Wear a hard hat (safety helmet), safety glasses and /or face shield. It is also highly recommended that you wear a dust mask, ear protectors and thickly padded gloves.
2. Be sure the bit is secured in place before operation.
3. Under normal operation, the machine is designed to produce vibration, the screws and bolts can come loose, causing a breakdown and accidents. Check tightness of them carefully before running.
4. In cold weather or a long time tool not be used, please keep the tool running without load a few minutes to warm up the grease inside, otherwise hammering function is difficult to get.
5. Be sure you stand stably and no one is below when you using tool is in high location.
6. Hold the tool firmly with two hands.
7. Don't touch any moving parts.
8. Don't leave the tool running itself, operate tool only when hand-held.
9. Don't point the tool to anybody for the bit could fly out in case.
-  10. When chipping into walls, floors or wherever "live" electrical wire may be encountered, **DON'T TOUCH ANY METAL PARTS OF THE TOOL!** Hold the tool by the insulated grasping surface to prevent electric shock if you chip into a "live" wire.
11. Don't touch the BIT OR PARTS CLOSE TO THE BIT immediately after operation, they may extremely hot and could burn your skin.
12. Any damage and abnormal happen, please stop to use immediately and disconnect it, ask authorized serve center to check and repair.
- 13. Parts replace:** Only original XINPU's parts can be used to replace by authorized service center.
- 14. Right use accessories and parts:** Don't use other parts and accessories which not mentioned in the manual otherwise may cause injuries!
- 15. Special attention to voltage:** Before connect the power tool, please make sure the rated voltage on the tool can match the power supply, otherwise the power tool may be damaged and cause injuries.
- 16. Don't wipe plastic part with solvent:** Solvent such as gasoline, thinner, alcohol etc. these kind of chemical material, are not allowed to use, water or soap are recommended!

3. Assembly

Name of the parts

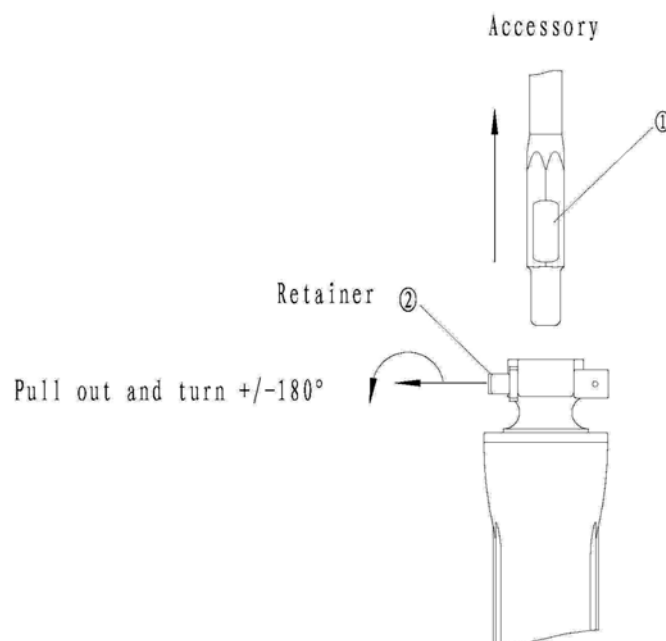


Mounting tool bits

Warning: before do it, make sure unplug the machine!



- (1) Pull out of the retainer "2", turning 180° clockwise or anticlockwise, insert the accessory shank portion "1" into the hole on the front cover.
- (2) Turning the retainer back into original position.



Remarking: When you removing the accessory, such as a bull point, a cutter etc., follow above procedure in reverse order.

4. Operation

Prior to operation

1. Power source

Ensure that the power source to be utilized conforms to the power requirements which specified on the name plate of the hammer.

2. Power switch

Ensure that the power switch is in the position of OFF. If the plug is connected to power receptacle while the power switch is in ON position, the demolition hammer will start operation immediately, which can cause serious accident!

Operation

1. Press the switch after applying the tip of the bit to crushing position. In some cases, it's necessary to punch the tip of the bit against the crushing position forcibly in order to begin the striking stroke. This is not due to malfunction of the power tool. It means that the safe guard mechanism against no-load striking is working.

2. Operate this demolition hammer by utilizing outside force. The performance will be better if it is pressed or thrust with properly force against the work surface.

Note:

Sometimes the power tool does not begin the striking the stroke even the motor keep running, because oil inside become thick. If the power tool is used at a low temperature, or it is used after a long idle time, this demolition hammer should be kept running for above 5 minutes to warm up.

5. Maintenance

How to replace grease

This demolition hammer is full of air-tight structure to protect against dust and to prevent lubrication leakage.

Therefore, this hammer can be used without lubrication for a long period. Replace grease as described below.



1. After purchase, before use each time, please check the oil, make sure there are enough oil to lubricate.
One full tank oil can be consumed over after 50h continue working!
2. Please Unplug when you check or fill oil.
3. As an optional accessory, oil for our hammer is sold separately. Shell oil Co., ROTELLA #40(Engine oil) can be used also. Any Shell gasoline stations are available.
4. Following above describe, after that make sure tighten the oil hole plug and clean the machine.



Maintenance and inspection



Before do any maintenance, ensure unplug the plug.

1. Inspecting the demolition hammer

Use a dull accessory, such as bull point, cutter, etc., will cause motor malfunction and efficiency degraded. Replace with a new one when your accessory is abased.

2. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Any loose should be tighten immediately, failure to do maybe cause serious hazard.

3. Inspecting the bit retainer

The retainer may become loose due to excessive use. Make sure the bit shank position is hold securely, if any wear or damage is found, ask the authorized service people to maintenance.

4. Maintenance the motor

The motor is the heart of the machine, please avoid any damage to the winding, or any water and oil to wet it.

5. Carbon brush replacements

Carbon brushes are consumable parts, when it becomes worn or "limit worn" it can cause motor trouble, we use auto-stop carbon brush, it stopped automatically when carbon brush worn out, at that time, replace a new couple of them as we offered.

Remark: after carbon brush replacement, please make sure all of the screws are tightened enough!

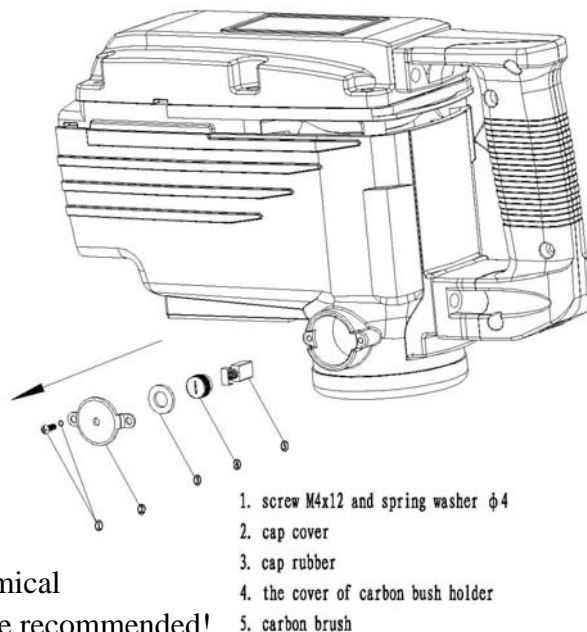
6. Cleaning

Clean the machine regularly with a soft cloth, preferably after each use. Solvent such as gasoline, thinner, alcohol etc.. These kind of chemical materials are not allowed to use, water or soap are recommended!

7. Warranty

For the condition of warranty, please refer to the separately provided warranty card.

When replace the carbon brush, just dismantle parts as order 1,2,3...., after that assembly in reverse order.



Environment



Faulty and /or discarded electrical or electronic apparatus have to be collected at the appropriate recycling location.

CE Declaration of conformity

We herewith declare, **Zhejiang Xinpu Industrial & Commercial Co., Ltd.**
No.106, 330 National Highway, Huajie Industrial Zone,
Yongkang, Zhejiang 321300, China

That the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us.

In case of alternation of the machine, not agreed upon by us, this declaration will lose its validity.

Machine Description: **Demolition Hammer**

Machine Type: **XP- 65RA-3**

Applicable EC Directive:

EC Machinery Directive (98/37/EC)

EC Low Voltage Directive (2006/95/EC)

EC Directive of Electromagnetic Compatibility (89/336/EEC) amended by 93/68/EEC

Noise Directive 2000/14/EC amended by 2005/88/EC

Applicable Harmonized

Standards: EN 60745-1: 2006
EN 60745-2-6:2003+A1+A11
EN55014-1:2000+A1+A2
EN55014-2:1997+A1
EN61000-3-2:2000+A2
EN61000-3-3:1995+A1+A2

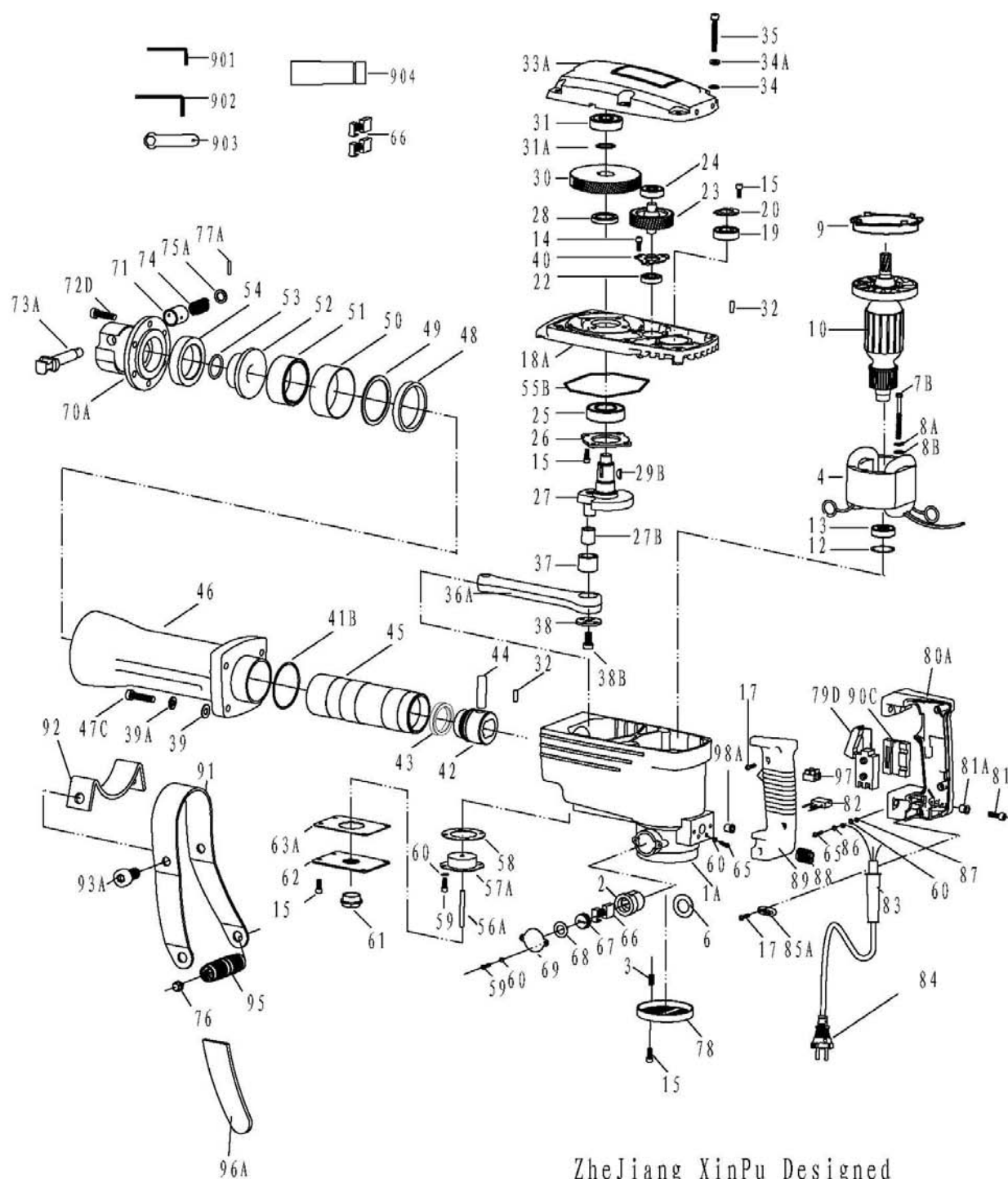
Name: **Mr. Lou Qibang**

Position in company: **General Manager**

Date/Signature:

It's our policy to continuously improve our products and we therefore reserve the right to change the product specification without prior notice.

XP-65RA-3 Hammer Part Chart



ZheJiang XinPu Designed

XP-65RA-3 Hammer Parts List

| XP-No | Item No. | Part Describe | Quantity | XP-No | Item No. | Part Describe | Quantity |
|----------|----------|------------------------------|----------|----------|----------|-------------------------------|----------|
| 88290008 | 1A | Housing Ass'y | 1 | 88221012 | 49 | Mouth Washer | 1 |
| 88241001 | 2 | Brush Holder | 2 | 88261008 | 50 | Mouth Cover | 1 |
| 88210046 | 3 | Seal Lock Screw M5×8 | 2 | 88271009 | 51 | Mouth | 1 |
| 88280087 | 4 | Stator 220-240V | 1 | 88271007 | 52 | Shank Sleeve | 1 |
| 88280091 | 4 | Stator 100V | 1 | 88261014 | 53 | Fluorin O Ring Φ23.5×Φ5.2 | 1 |
| 88280089 | 4 | Stator 110-120V | 1 | 88261007 | 54 | Small Urethane Ring | 1 |
| 88241007 | 6 | Rubber Washer | 2 | 88261001 | 55B | Heptagon Ring | 1 |
| 88210004 | 7B | Hex. Socket Bolt M5×60 | 2 | 88310001 | 56A | Oil Felt | 1 |
| 88210051 | 8A | Spring Washer Φ5 | 2 | 88221009 | 57A | Felt Holder | 1 |
| 88210055 | 8B | Flat Washer Φ5 | 2 | 88261004 | 58 | Holder Seal | 1 |
| 88221006 | 9 | Fan Guide | 1 | 88210032 | 59 | Machine Screw M4×12 | 8 |
| 88280088 | 10 | Armature 220-240V | 1 | 88210050 | 60 | Φ4 Spring Washer | 9 |
| 88280092 | 10 | Armature 100V | 1 | 88221010 | 61 | Oil Gauge | 1 |
| 88280090 | 10 | Armature 110-120V | 1 | 88221011 | 62 | Cover Plate | 1 |
| 88210063 | 12 | Φ32 Urethane Washer | 1 | 88261003 | 63A | Cover Seal | 1 |
| 88231003 | 13 | Ball Bearing 6201 2RS C3 | 1 | 88210031 | 65 | Machine Screw M4×8 | 1 |
| 88210029 | 14 | Embedding Screws M5×10 | 3 | 88241003 | 66 | Carbon Brush | 2 |
| 88210002 | 15 | Hex. Socket Bolt M5×12 | 13 | 88241002 | 67 | Brush Cap | 2 |
| 88210038 | 17 | Tapping Screw ST4.2×18 | 5 | 88261002 | 68 | Cap Rubber | 2 |
| 88290002 | 18A | Inner Cover | 1 | 88221007 | 69 | Cap Cover | 2 |
| 88231004 | 19 | Ball Bearing 6203 2RS C3 | 1 | 88271003 | 70A | Front Cover | 1 |
| 88221003 | 20 | 6203 2RS C3 Bearing Cover | 1 | 88221013 | 71 | Spring Cover | 1 |
| 88231001 | 22 | Ball Bearing 6001 2RZ C2 | 1 | 88210016 | 72D | Hex. Socket Bolt M8×30 (12.9) | 6 |
| 88271002 | 23 | Counter Gear | 1 | 88271005 | 73A | Locking Lever | 1 |
| 88231002 | 24 | Ball Bearing 6201 2RZ C2 | 1 | 88221014 | 74 | Lever Spring | 1 |
| 88231017 | 25 | Ball Bearing 6205 2RS C0 | 1 | 88261012 | 75A | Locking Lever Cover | 1 |
| 88221004 | 26 | 6205 2Z C2 Bearing Cover | 1 | 88210048 | 76 | Hex Head Screw M8×10 | 2 |
| 88271004 | 27 | Crank Shaft | 1 | 88221018 | 77A | Needle Roller Φ4×18 | 1 |
| 88221020 | 27B | Crank Shaft Ring | 1 | 88221008 | 78 | Fan Cover | 1 |
| 88221001 | 28 | Distance Ring | 1 | 88241015 | 79D | Switch | 1 |
| 88221019 | 29B | Woodruff Key 4×16 | 2 | 88261017 | 80A | Main Handle | 1 |
| 88271001 | 30 | Final Gear | 1 | 88221023 | 81A | Distance Piece | 4 |
| 88233002 | 31 | Ball Bearing 6302 2Z C2 | 1 | 88210009 | 81 | Hex. Socket Bolt M6×25 | 4 |
| 88210066 | 31A | Φ22 Retaining Ring | 1 | 88241016 | 82 | Electric Capacity 0.22μF | 1 |
| 88221017 | 32 | Pin Φ5×14 | 2 | 88261016 | 83 | Cord Armor | 1 |
| 88290004 | 33A | Gear Cover | 1 | 88250000 | 84 | Cord | 1 |
| 88210056 | 34 | Φ6 Flat Washer | 6 | 88261010 | 85A | Cord Clip | 1 |
| 88210052 | 34A | Φ6 Spring Washer | 6 | 88210054 | 86 | Φ4 Flat Washer | 1 |
| 88210136 | 35 | Hex. Socket Bolt M6×45(12.9) | 6 | 88210062 | 87 | Φ4 Teeth Type Washer | 1 |
| 88271006 | 36A | Connecting Rod Ass'y | 1 | 88241006 | 88 | Electricity Feels 0.18μH | 1 |
| 88234004 | 37 | Needle Bearing NK1820 | 1 | 88261018 | 89 | Main Handle Cover | 1 |
| 88221002 | 38 | Crank Washer | 1 | 88261019 | 90C | Support (C) | 1 |
| 88210018 | 38B | Hex. Socket Bolt M8×1×35 | 1 | 88221015 | 91 | Side Handle Ass'y | 1 |
| 88210059 | 39 | Φ8 Flat Washer | 4 | 88221016 | 92 | Handle Stay | 1 |
| 88210053 | 39A | Φ8 Spring Washer | 4 | 88210014 | 93A | Hex. Socket Bolt M8×16 | 2 |
| 88221005 | 40 | 6001 2RZ C2 Bearing Cover | 1 | 88261020 | 95 | Grip | 1 |
| 88261013 | 41B | O Ring Φ58×Φ2 | 1 | 88261021 | 96A | Side Handle Ass'y Cover | 2 |
| 88290005 | 42 | Piston | 1 | 88210076 | 97 | Rivet | 2 |
| 88261005 | 43 | L-Ring Φ32×7 | 1 | 88261009 | 98A | Wire Cover | 1 |
| 88271010 | 44 | Piston Pin | 1 | 88301003 | 901 | 5mm Hex.Bar Wrench | 1 |
| 88271008 | 45 | Cylinder | 1 | 88301004 | 902 | 6mm Hex.Bar Wrench | 1 |
| 88290001 | 46 | Aluminum Head | 1 | 88301008 | 903 | Wrench For Tank Cover | 1 |
| 88210021 | 47C | Hex. Socket Bolt M8×40(12.9) | 4 | 88304020 | 904 | Oil Bottle | 1 |
| 88261006 | 48 | Big Urethane Ring | 1 | | | | |