# Demolition Hammer

**Model: *XP-G55VC***

# HANDLING INSTRUCTIONS


Before using this 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.

CE

Bj: 2012

**Zhejiang Xinpu Industrial & Commercial Co., Ltd.**
**106, No. 330 National Road, Huajie Industrial Zone, Yongkang City, Zhejiang 321300, P. R. China**

# Contents



## 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.** *Safety 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 ha2ards.*

**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 Warning for Electric hammer

- **Wear ear protection. Exposure to noise can cause hearing loss.**
- **Use auxiliary handle with the tool. Loss of control can cause personal injury.**
- **Hold Power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
- **Wear a dust mask**.

## Power Tool-specific Safety Rules

- **When working with the power tool, always hold it firmly with both hands and provide foe a secure stance.** The power tool is guided more secure with both hands.
- **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- **Do not work materials containing asbestos.** Asbestos is considered carcinogenic.
- **Take protective measures when dust can develop during working that is harmful to one's health, combustible or explosive.** Example: Some dusts are regarded as carcinogenic. Wear a dust mask and work with dust/chip extraction when connectable.
- **Always wait until the power tool has come to a complete stop before placing it down.** The tool insert can jam and lead to loss of control over the power tool.
- **Do not use the power tool with a damaged cord. Do not touch the damaged cord and pill the plug from the outlet when the cord is damaged while working.** Damaged cords increase the risk of an electric shock.

- **Connect power tools that are used in the open via a Ground Fault Circuit Interrupter (GFCL).**
- **Ear hearing protection.** Exposure to noise can cause hearing loss.
- **Use the auxiliary handle supplied with the power tool.** Loss of control over the power tool can cause personal injury.
- **Use suitable detectors to determine of utility lines are hidden in the work area or call the local utility company for assistance.** Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.
- **Hold the power tool only by the insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own power cord.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and shock the operator.
- In case of damages the replacement of the plug or the supply cord shall always be carried out by the manufacturer of the tool or his service organization.

**Residual risks**

**Even when the power tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the power tool's construction and design:**

a) Injuries and damage to property to due to broken accessories that are suddenly dashed.

b) Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

c) Lung damage if don't use dusk mask.

d) Hearing damage if don't use ear protection.

**Warning!** This power tool produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this power tool.

# 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


Double insulation


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.

# Functional Description

## Intended Use

The power tool is intended for chiseling work in concrete, brick, masonry and asphalt as well as for driving in and compacting, when using the respective accessories.

## Technical Data

| | |
|---|---|
| **Demolition Hammer** | XP-G55VC |
| **Rated Voltage** | 220-240V~ |
| Frequency | 50Hz |
| **Rated input** | 1500W |
| **Impact frequency** | 1000-1900 /min |
| **Impact energy per stroke** | 6-25J |
| **Chisel positions** | 12 |
| **Chiselling capacity in concrete of medium hardness** | 490kg/h |
| **Tool holder** | SDS-max |
| **Weight** | 10.5kg |
| **Protection class** | Ⅱ |

The values given are valid for nominal voltages [U] of 220-240V. For lower voltages and models for specific countries, these values can vary.

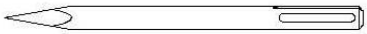
## Accessories

## Standard accessories

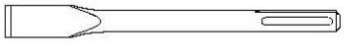
| | |
|---|---|
| Hexagon bar wrench 10mm | 1 piece |
| Amphibious screwdriver | 1 piece |
| One bottle of grease | 60g |
| Bull point chisel(18×400mm) | 1 piece |
| flat chisel(18×400mm) | 1 piece |
| Carbon brush((6.5×17×26)mm) | 1 couple |

## OPTIONAL ACCESSORIES (sold separately)

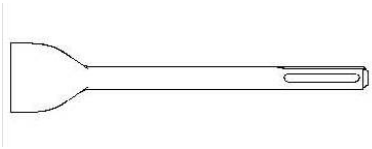
1. Tine Chisel: 18*400mm (SDS max )



2. Flat Chisel : 18*400mm (SDS max )

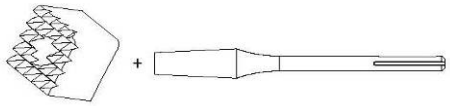


3. Big Flat Chisel : 18*400mm (SDS max )



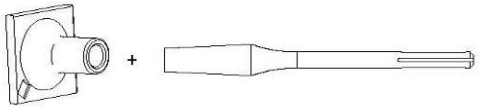
4. Goose Chisel :18*400mm (SDS max )

5. Surface Roughing (Hammering)



(1) Bushing Tool (2) Shank

6. Tamping (Hammering)

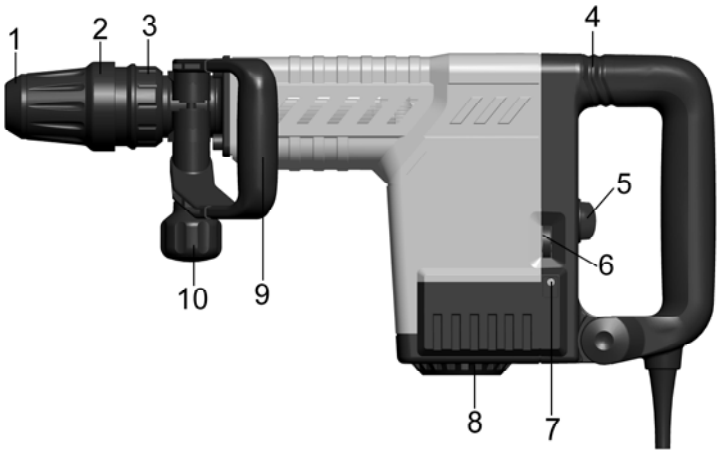


(1) Rammer (2) Shank (150 x 150 mm)

Optional accessories are subject to change without notice.

## Name of the parts

1. Hammer rod protector
2. Protective lining
3. Move limited ring
4. Shock Absorption Jacket
5. Switch
6. Speed Adjuster Function Knob
7. Indicator
8. Fan cover
9. Side Handle
10. Function Knob




## 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.
3. Extension cord
   When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.

# Assembly

## Auxiliary Handle

**Operate your power tool only with the** Side Handle **9.**
The Side Handle 9 can be set to any position for a secure and low-fatigue working posture.
Loosen the Function Knob 10, rotate the Side Handle 9 around the axis of the power tool to the required position and tighten the Function Knob 10 again.
The Side Handle **9** can be mounted to a different position. For this, completely unscrew the Function Knob 10 and then pull out the hexagon bolt upward. Pull off the Side Handle 9 to the side and turn around the remaining clamping element by 180° Mount the Side Handle 9 in reverse order.

## Changing the tool

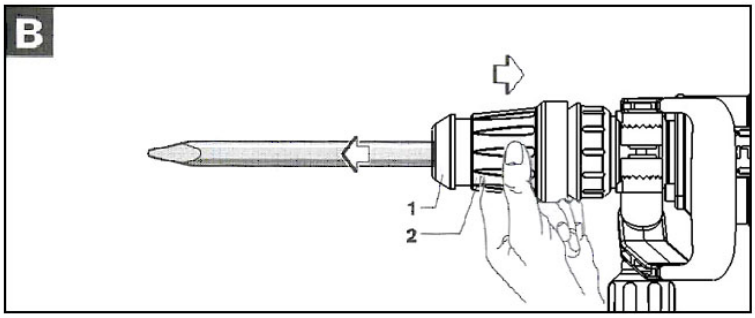
**Before any work on the power tool itself, pull the mains plug.**
With the SDS-max tool holder. Simpler and easier tool changing is possible without additional aids.
The Hammer rod protector 1 largely prevents the entry of drilling dust into the tool holder during operation. When inserting the tool, take care that the Hammer rod protector 1 is not damaged.
**A damaged** Hammer rod protector **should be changed immediately.** We recommend having this carried out by an after-sales service.

**Inserting (see figure A)**

Clean and lightly grease the shank end of the tool.
Insert the tool in a twisting manner into the tool holder until it latches itself.
Check the latching by pilling the tool.

**Removing (see figure B)**

Push back the Protective lining **2** and remove the tool.




# Operation

## Starting Operation

**Observe correct mains voltage!** The voltage of the power source must agree with the voltage specified on the type plate of the power tool.


**To start the power tool, Press the switch towards arrow "I" direction .**
**To switch off the power tool, Press the switch towards arrow "0" direction.**

For low temperatures, the power tool reaches the full impact rate only after a certain time.
This start-up time can be shortened by striking the chisel in the power tool against the floor one time.

**Setting the Impact Rate**

The electronic control enables stepless speed preselection in accordance with the material to be worked.
The constant electronic control keeps the preselected impact rate nearly constant between no-load and load conditions.
Select the impact rate with the Speed Adjuster Function Knob 10 according to the material.
The data in the following table are recommended values.

| Speed Adjuster Function Knob 6 | Impact frequency($min^{-1}$) |
|---|---|
| 1 | 1000 |
| 2 | 1200 |
| 3 | 1350 |
| 4 | 1550 |
| 5 | 1750 |
| 6 | 1900 |

**Changing the Chiselling Position (Vario-lock)**

The chisel can be locked in 12 positions. In this manner, the optimum working position can be set for each application.

Insert the chisel into the tool holder.

Push the Move limited ring 3 forward and turn the chisel to the required position with the Move limited ring 3.

Release the Move limited ring 3 and turn the chisel until it latches.

**Shock absorption Equipment 4**

The XP-G55VC is equipped with an active vibration reduction system, which cuts vibration of that of the without Active Vibration Reduction. This may significantly reduce the exposure level over the total working period. protect the operator form the effects of vibration.

# Maintenance and Service

## Maintenance and cleaning

**Before any work on the power tool itself, pull the mains plug.**

**For safe and proper working, always keep the power tool and the ventilation slots clean.**

**A damaged** hammer rod protector should be changed immediately**.** We recommend having this carried out by an after-sales service.

**1. Inspecting the drill bits**

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.** Check all external parts of the tool for damage at regular intervals. Do not operate the tool if parts are damaged. If necessary, your power tool should be repaired at a xinpu authorized service center .

**3. 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.

**4. Indicator 7**

When the carbon brushes are worn out, the power tool switches itself off. This is indicated beforehand by the lighting or blinking of the indicator 7. The power tool must then be sent to an after-sales service agent.

If the power tool should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an after-sales service center for XINPU power tools.

## Warranty

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

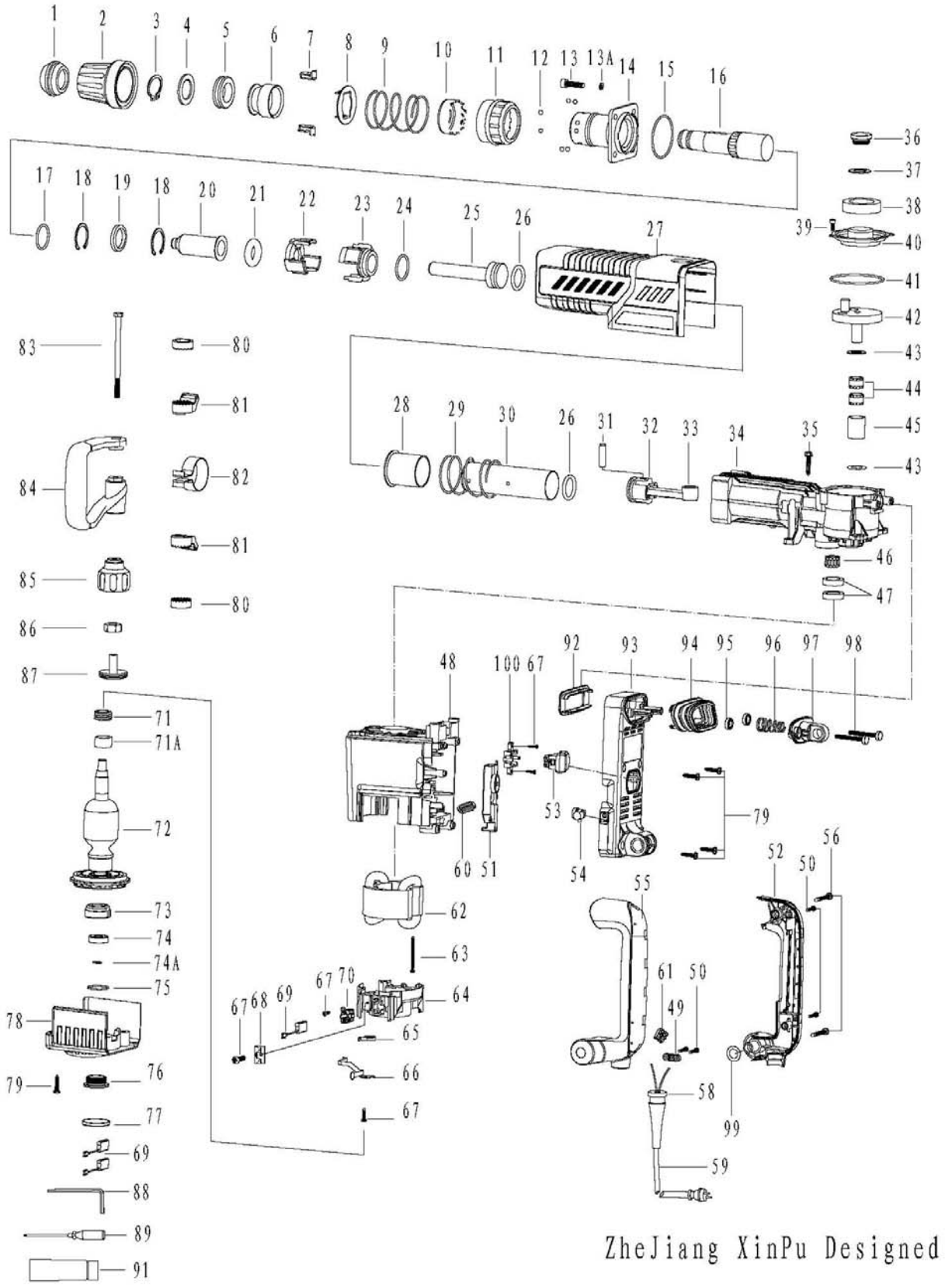
## Environment

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

**NOTE:**

Due to XINPU'S continuing program of research and development, the specifications herein are subject to change without prior notice.

# XP-G55VC Hammer Part Chart




ZheJiang XinPu Designed

ID No.8 8016 016

# XP-G55VC Hammer Parts List

| XP-No | Item No. | Part Describe | Quantity | XP-No | Item No. | Part Describe | Quantity |
|---|---|---|---|---|---|---|---|
| 88263081 | 1 | Hammer rod protector | 1 | 88243020 | 51 | Speed Adjuster TSQ 03 | 1 |
| 88263060 | 2 | Protective lining | 1 | 88263163 | 52 | Main Handle Cover | 1 |
| 88211046 | 3 | Φ30 Retaining Ring | 1 | 88243048 | 53 | Switch | 1 |
| 88223031 | 4 | Support patch | 1 | 88263069 | 54 | Indicator | 1 |
| 88263082 | 5 | Shock absorption ring | 1 | 88263164 | 55 | Main Handle | 1 |
| 88273025 | 6 | Move limited ring | 1 | 88210176 | 56 | ST5.5×45 Tapping Screw | 2 |
| 88223032 | 7 | Insert block | 2 | 88263071 | 58 | Cord Armor | 1 |
| 88223033 | 8 | Change plate | 1 | 88250000 | 59 | Cord | 1 |
| 88223034 | 9 | Support ring spring | 1 | 88243049 | 60 | 0.18μH Electricity Feels | 1 |
| 88223035 | 10 | Support ring | 1 | 88210076 | 61 | Rivet | 2 |
| 88263061 | 11 | Move limited ring | 1 | 88280095 | 62 | Stator 220-240V | 1 |
| 88210122 | 12 | Φ6.5 Steel Ball | 8 | 88210042 | 63 | ST4.8×58 Tapping Screw | 2 |
| 88210016 | 13 | Hex. Socket Bolt M8×30(12.9) | 4 | 88263072 | 64 | Carbon Brush bracket | 1 |
| 88210053 | 13A | Φ8 Spring Washer | 4 | 88223046 | 65 | Helical spring | 2 |
| 88273026 | 14 | Flange cover | 1 | 88223047 | 66 | Metal contact plate | 1 |
| 88263083 | 15 | O-RingΦ63.5×Φ2.6 | 1 | 88210118 | 67 | Tapping screw ST3.5X16 | 7 |
| 88223036 | 16 | Hammer rod sleeve | 1 | 88223048 | 68 | Metal insert | 2 |
| 88263084 | 17 | O-Ring Φ31.6×Φ2.5 | 1 | 88243027 | 69 | Carbon Brush | 2 |
| 88210123 | 18 | Φ41 Retaining Ring | 2 | 88223049 | 70 | Carbon brush wire | 2 |
| 88263085 | 19 | Oil Seal Ring Φ32×Φ42×7 | 1 | 88273031 | 71 | Screw seal ring | 1 |
| 88273027 | 20 | Impact Pin | 1 | 88223054 | 71A | Armature sleeve | 1 |
| 88263086 | 21 | Fluorin O RingΦ22×Φ11 | 1 | 88280096 | 72 | Armature 220-240V | 1 |
| 88263062 | 22 | Control plate | 1 | 88223050 | 73 | Bearing Sleeve | 1 |
| 88263063 | 23 | Fixed Distance Sleeve | 1 | 88236011 | 74 | 6200 2RS Ball Bearing | 1 |
| 88263087 | 24 | O-RingΦ35×Φ3 | 1 | 88210092 | 74A | Φ10 Retaining Ring | 1 |
| 88273028 | 25 | Impact block | 1 | 88263090 | 75 | O-Ring Φ30×Φ2 | 1 |
| 88263088 | 26 | Fluorin O RingΦ30.4×Φ5 | 2 | 88223051 | 76 | Screw ring | 1 |
| 88263103 | 27 | Cover | 1 | 88263073 | 77 | Protected cover | 1 |
| 88223037 | 28 | Control Sleeve | 1 | 88263107 | 78 | Bearing Cover | 1 |
| 88223038 | 29 | Control Sleeve Spring | 1 | 88210119 | 79 | Tapping screw ST5.5X25 | 8 |
| 88273029 | 30 | Cylinder | 1 | 88263075 | 80 | Disk with gap | 2 |
| 88223039 | 31 | Piston Pin Φ10×38 | 1 | 88263076 | 81 | Clamping | 2 |
| 88263065 | 32 | Piston | 1 | 88223052 | 82 | Fixed belt | 1 |
| 88263066 | 33 | Connecting Rod Ass'y | 1 | 88210121 | 83 | Hexagon head bolt M8×130 | 1 |
| 88290075 | 34 | Impact body | 1 | 88263077 | 84 | Side Handle | 1 |
| 88210116 | 35 | Tapping screw ST6.3X32 | 4 | 88263078 | 85 | Function Knob | 1 |
| 88223055 | 36 | Oil Tank Cover | 1 | 88320045 | 86 | Nut M8(Thickness 6.4mm) | 1 |
| 88263126 | 37 | Rubber Washer | 1 | 88263079 | 87 | Function Knob cover | 1 |
| 88310011 | 38 | Felt Ring | 1 | 88301022 | 88 | 10mm Hex Bar Wrench | 1 |
| 88210002 | 39 | Hex .Socket BoltM5×12 | 4 | 88301007 | 89 | Dual Screw Driver | 1 |
| 88223056 | 40 | Shell cover | 1 | 88304020 | 91 | Oil BottleΦ35×135 | 1 |
| 88263089 | 41 | O-RingΦ79×Φ2.8 | 1 | 88263108 | 92 | Fixed Platen | 1 |
| 88273032 | 42 | Eccentric gear subassembl | 1 | 88263165 | 93 | Main Handle Seat | 1 |
| 88223042 | 43 | Boring washer | 2 | 88263111 | 94 | Shock Absorption Jacket | 1 |
| 88234014 | 44 | Needle Bearing RMAO16×22×1 | 2 | 88263112 | 95 | Shock Absorption Ferrule | 2 |
| 88223043 | 45 | Needle Ferrule | 1 | 88223057 | 96 | Shock Absorption Spring | 1 |
| 88234015 | 46 | Needle Bearing NK20×28×13 | 1 | 88263110 | 97 | Spring Rack | 1 |
| 88223053 | 47 | Seal ring subassembly | 2 | 88210174 | 98 | Cross recessed pan head s | 2 |
| 88263162 | 48 | Housing Ass'y | 1 | 88263113 | 99 | O-RingΦ16×Φ3 | 2 |
| 88261010 | 49 | Cord Clip | 1 | 88263166 | 100 | Support | 1 |
| 88210038 | 50 | ST4.2×18 Tapping Screw | 4 | | | | |