Demolition Hammer

Model: *XP-G80BD*

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 togeth

Bj:2014

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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..

Contents

1. Machine information

Technical specifications

Machine Type	XP-G80BD
Voltage	AC 22-240V
Frequency	60Hz
Input power	1700W
Impact rate	1500/min
Weight(w/o cord)	19.3kg
Impact energy	55J

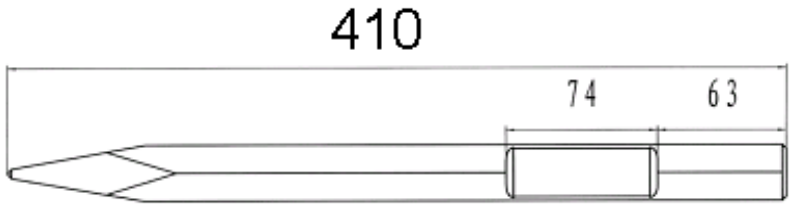
Standard accessories

Hexagon bar wrench 6mm(for M8)	1 piece
Hexagon bar wrench 5mm(for M6)	1 piece
Hexagon bar wrench 4mm(for M5)	1 piece
Amphibious screwdriver	1 piece
One bottle of grease	60g
Bull point chisel(28*410mm)	1 piece
flat chisel(28*410mm)	1 piece
Carbon brush	1 couple

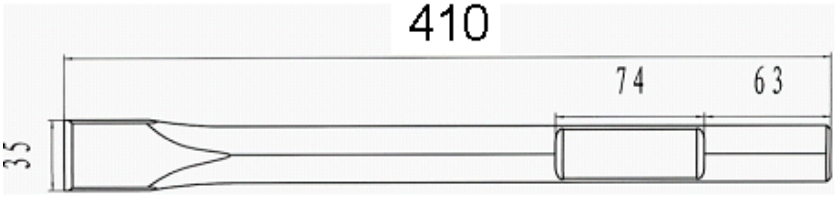
Optional accessories (sold separately）

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.

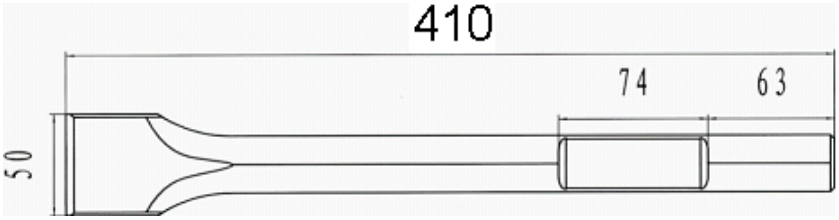
1. Bull point Hexagon size28*410 length (Unit: mm)



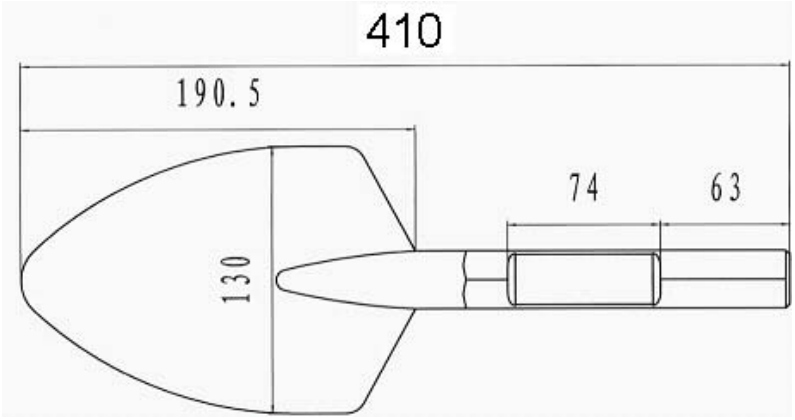
2. Flat chisel Hexagon size28*410 length (Unit: mm)



3. Cutter Hexagon size28*410 length (Unit: mm)



4. Scoop Hexagon size28*410 length (Unit: mm)



2. Safety instructions

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

Read the manual carefully

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.

V	.....	Volts
A	.....	Amperes
Hz	.....	Hertz
AC/~	.....	Alternating current
Kg	.....	Kilograms
/min	.....	Revolutions or reciprocation per mintute.
J	.....	Joule

General Power Tool Safety Warnings

 **WARNING Read all safety warnings and all instructions.** *Failure to follow the 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 refers to your mains-operated (corded) power tool.

1) **Work area safety**

a) **Keep work area clean and well lit.** *Cluttered or 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 tool 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 personal protective 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) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising 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 dust collection 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 and/or the battery pack from the power tool 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 tool's 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, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those 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.*

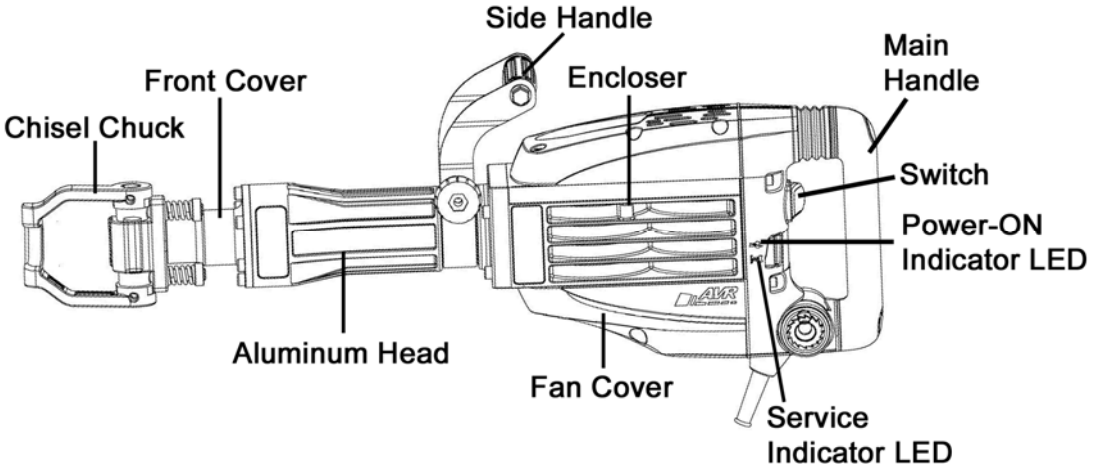
b) If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

Additional Safety Rules for Hammer

1. **Wear ear protectors.** *Exposure to noise can cause hearing loss.*
2. **Use auxiliary handle(s), if supplied with the tool.** *Loss of control can cause personal injury.*
3. **Hold power tools by insulated gripping surfaces, when performing an operation where the cutting tool 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.*
4. **Wear a dust mask**.
5. Be sure the bit is secured in place before operation.
6. 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.
7. 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.
8. Be sure you stand stably and no one is below when you using tool is in high location.
9. Hold the tool firmly with two hands.
10. Don't touch any moving parts.
11. Don't leave the tool running itself, operate tool only when hand-held.
12. Don't point the tool to anybody for the bit could fly out in case.
13. Don't touch the BIT OR PARTS CLOSE TO THE BIT immediately after operation, they may extremely hot and could burn your skin.
14. Any damage and abnormal happen, please stop to use immediately and disconnect it, ask authorized serve center to check and repair.
15. **Parts replace:** Only original XINPU's parts can be used to replace by authorized service center.
16. **Right use accessories and parts:** Don't use other parts and accessories which not mentioned in the manual otherwise may cause injuries!
17. **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.
18. **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!
19. 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

3. Assembly

Name of the parts



4. Operation instructions

Prior to operation

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up use of this products.

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.

Switch operating

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

Switch ON	**To start the power tool, Press the switch towards arrow "I" direction**
Switch OFF	**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.

Indicator LEDS

The green power-ON indicator LED lights up when the tool is plugged. If indicator led does not light up, the mains cord or the controller may be detective. The red service indicator LED lights up when the carbon brushes are worn out to indicate that the tool needs servicing.

Mounting tool bits

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

Chisels come with or without collars. Figure 1 shows installation of a chisel without a collar (the included chisel is without a collar). Figure 5 shows installation of a chisel with a collar

Note: If the Chisel doesn't slide in easily, apply grease to the loading end of the Chisel.

1. Pull the lock lever to the side, just far enough to allow the Clisel to be inserted, as shown in Figure 1.

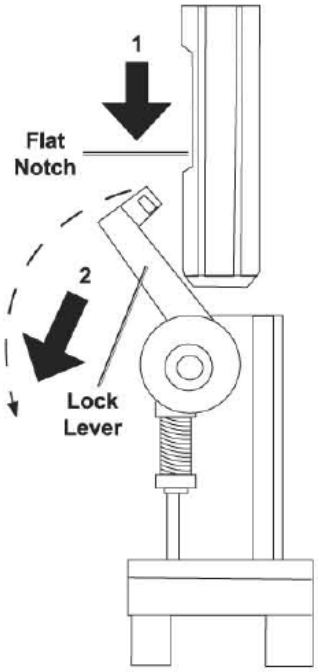


Figure 1

Note: Flat Notch on Collar-less Chisel must face the Lock lever.

2. Insert Chisel with the Flat Notch facing the Lock Lever, as shown in Figure 2.

Figure 2

3. Slide the Chisel in as far as it will go.
4. Pull the Lock Lever back until it locks the Chisel into place. See figure 3.

Note: Lock Lever will not lie flat against the chuck.

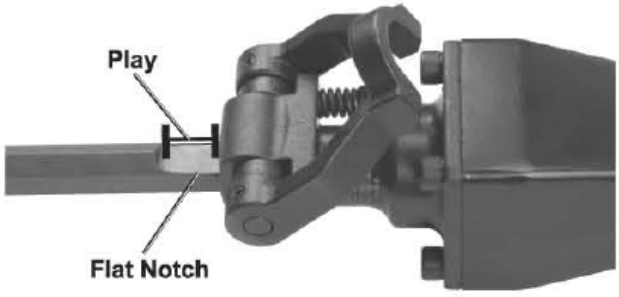


Figure 3

5. When to Chisel is installed, there will be approximately 1-3/4" of play along the Flat Notch of

the shank. See Figure 3. Physically check that the Chisel is secure before operating.

1. Pull the Lock Lever open about 70-80° to the second engaging position, as shown in Figure 4.

Figure 4

2. Insert the collared Chisel.
3. Slide the Clisel in as far as it will go.
4. Return the Lock Lever to its original position to lock the Chisel in place. see figure 6.

figure 6

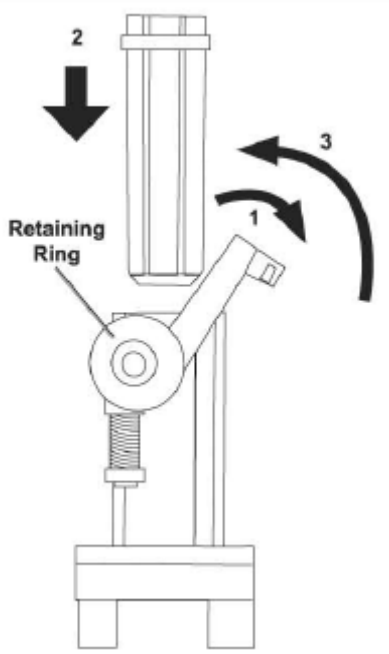


Figure 5

5. Physically check that the Chisel is secure before operating. The Chisel will have approximately 1-3/4" of play, but should not come out when pulled.

GREASE AND OIL FILLING

Warning! Pull plug from power before any operations.

Demolition hammer mechanical part is easy to get worn and lose impact energy if without enough lubrication, recommend filling grease and oil after 6 months usage. The steps as follows:

图 1

图 2

图 3

Fill the 45g grease into the aluminum head bottom

图 4

图 5

Fill the 10g oil into the cylinder

图 6

Fill the 5g grease into the Piston

图 7

图 8

1. Loosen the four screws and Washers between aluminum head and gear box by 6mm HEX head wrench.(See Fig1)
2. Disassemble the aluminum head, cylinder and piston.(See Fig2)
3. Clean the inside of aluminum head, must be free of metal chip and granular dust (See Fig3)
4. Clean the piston and cylinder.
   a) Clean the cylinder both inside and outside, especially clean the inside of cylinder, must be free of metal chip and granular dust. If the conditional, recommend washing by gasoline.
   b) Clean the surface of piston. If the conditional, recommend disassembling the O-ring and washing the piston by gasoline.
   c) At the same time, check the wearing condition of O-ring. If the Outside Diameter (O.D.) of O-ring is less than the piston O.D., please replace the O-ring to get proper performance.(Please contact with our authorized dealer to purchase, See the part List).
5. Fill the grease into the aluminum head, please make sure cleaned inside before filling.
   a) Recommend the grease from manufacturer site, there is a tube of 60g grease included the case. (Please contact with our authorized dealer to purchase, See the part List).

Notice：Please fill the 45g grease into the aluminum head bottom (See Fig 4 and Fig 5)

7. Fill the 10g oil in the cylinder; please make sure it is clean before filling. (See Fig 6)
8. Fill the 5g grease into the piston. please make sure it is clean before filling. (See Fig 7)
9. Assemble back(See Fig 8)
   a) Assemble the piston into cylinder, please make sure if the O-ring has been assembled.
   b) Assemble the cylinder into aluminum head.
   c) Tighten the 4 inner HEX head screws; be careful of no missing spring washer. If tighten the screws by electrical or pneumatic driver, please check the torque of screw by 6mm wrench to make sure tightening properly.
   d) If the conditional, can put glue on the screw and then screw in(repeat the step above C)

***Suggestion: All above operations to be carried out by our authorized service agent.**

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

When the carbon brushes are worn out, the power tool switches itself off, and also the red indicator light of carbon brush will turn on. The power tool must then be sent to an after-sales service agent.

When you have to replacement the carbon brushes by yourself, please following the order：

(1) Loosen the six set screws and remove the fan cover.
(2) Remove the helical spring and carbon brushes.
(3) After replacing the carbon brushes, install the helical spring and fan cover, with securely tightening six set screws.
(4) **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!

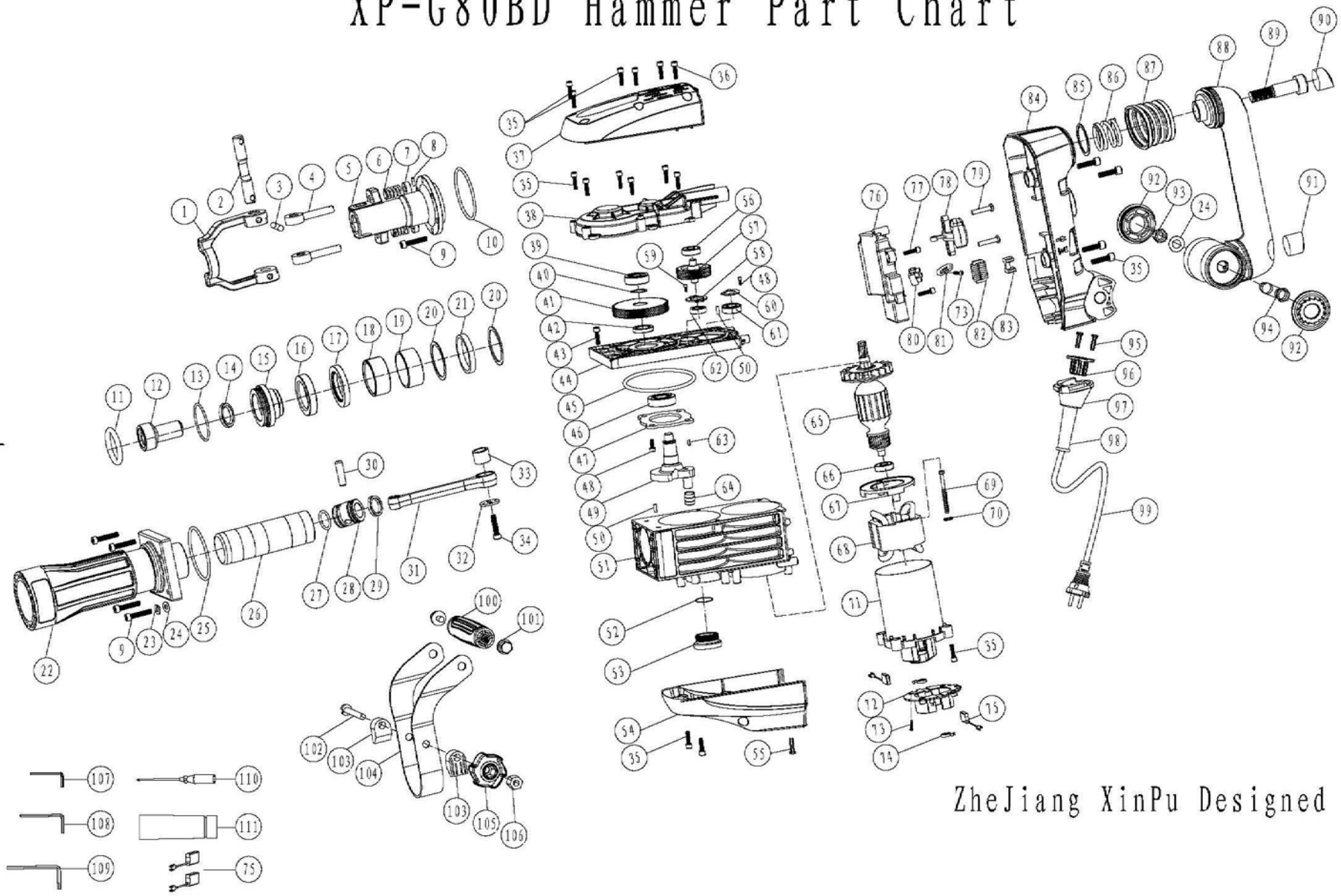
7. Warranty

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

Environment

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

XP-G80BD Hammer Part Chart



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XP-G80BD Hammer Parts List

No	Item No.	Part Describe	Quantity	No	Item No.	Part Describe	Quantity
88271020	1	Chisel Chuck	1	88271002X	57	Counter Gear	1
88271021	2	Locking Lever	1	88221045	58	6001 RZ Bearing Cover	1
88210194	3	Spring Column Pin	2	88210029	59	M5×10 Embedding Screws	2
88272023	4	Pull rod	2	88221051	60	6203 DD C3 Bearing Cover	1
88271022	5	Front Cover	1	88237010	61	6203 DD C3 Ball Bearing	1
88222032	6	Pull rod spring	2	88232002	62	6001 RZ Ball Bearing	1
88272026	7	Pull ring	2	88221019	63	Woodruff Key 4×16	2
88221018	8	Needle Roller	2	88221036	64	Crank Shaft Ring	1
88210016	9	Hex .Socket BoltM8×30 (12.9)	10	88280139	65	Armature	1
88261044	10	O-Ring Φ74×Φ2	1	88232004	66	6201 RS Ball Bearing	1
88261045	11	Fluorin O-Ring Φ46.5×Φ5	1	88261072	67	Fan Guide	1
88271015	12	Impact Hammer	1	88280140	68	Stator	1
88261046	13	O-Ring Φ62×Φ3	1	88210044	69	ST4.8×70 Tapping Screw	2
88261047	14	Y Type Sealing Ring Φ37.2×Φ	1	88210055	70	Φ5 Flat Washer	2
88271014	15	Shank Sleeve	1	88261073	71	Stator Assy's	1
88261043	16	Small Urethane Ring	1	88241029	72	Carbon Brush bracket	1
88271016	17	locking Ring	1	88210115	73	ST4.2×16 Tapping Screw	6
88271009	18	Mouth	1	88241032	74	Helical spring	2
88261008	19	Mouth Cover	1	88243022	75	Carbon Brush	2
88221012	20	Mouth Washer	2	88241030	76	Switch Support	1
88261006	21	Big Urethane Ring	1	88210003	77	Hex .Socket Bolt M5×16	4
88290117	22	Aluminum Head	1	88241028	78	Switch	1
88210053	23	Φ8 Spring Washer	4	88210038	79	ST4.2×18 Tapping Screw	2
88210059	24	Φ8 Flat Washer	5	88210076	80	Rivet	2
88261066	25	O-Ring Φ53×Φ2.5	1	88261010	81	Cord Clip	1
88271008	26	Cylinder	1	88244023	82	Electricity Feels	1
88261053	27	Fluorin O-Ring Φ35×Φ5.5	1	88261075	83	Indicator	1
88290021	28	Piston	1	88261076	84	Side Handle Ass'y Base	1
88261052	29	Y Type Sealing Ring Φ35×7	1	88221046	85	Shock Absorption Spring	1
88271010	30	Piston Pin	1	88221047	86	Shock Absorption Spring	1
88271006	31	Connecting Rod Ass'y	1	88261083	87	Shock Absorption Jacket	1
88221002	32	Crank Washer	1	88261077	88	Main Handle	1
88234004	33	NK18/20 Needle Bearing	1	88210219	89	M14 Bolt	1
88210018	34	Hex .Socket Bolt M8×1×35	1	88261084	90	Rubber Stopper-1	1
88210008	35	Hex .Socket Bolt M6×20 (12.9)	22	88261085	91	Rubber Stopper-2	1
88210134	36	Hex .Socket Bolt M6×25(12.9)	2	88261078	92	Adorn Cover	2
88261070	37	Cover	1	88210158	93	Nut M8	1
88290118	38	Gear Cover	1	88210218	94	M8 Bolt	1
88237012	39	6302 Z Ball Bearing	1	88210035	95	ST4.2×10 Tapping Screw	2
88210066	40	Φ22 Retaining Ring	1	88261079	96	Jacket Platen	1
88271001	41	Final Gear	1	88261080	97	jacket orientation piece	1
88221001	42	Distance Ring	1	88261016	98	Cord Armor	1
88210178	43	Hex .Socket Bolt M6×35(12.9)	6	88250000	99	Cord	1
88290119	44	Inner Cover	1	88261081	100	Grip	1
88261082	45	O-Ring Φ109×Φ3.1	1	88210048	101	M8×10 Hex Head Screw	2
88237011	46	6205 DD Ball Bearing	1	88210222	102	M10×125 Long Screw	1
88221004	47	6205 DD Bearing Cover	1	88261029	103	Plastic Clip	2
88210002	48	Hex .Socket Bolt M5×12(12.9)	7	88221050	104	Side Handle Ass'y	1
88271004	49	Crank Shaft	1	88261087	105	Function Knob	1
88221017	50	Pin Φ5×14	2	88210221	106	Nut M10×18	1
88290120	51	Housing Ass'y	1	88301002	107	4mm Hex Bar Wrench	1
88261054	52	O-Ring Φ20×Φ2	1	88301003	108	5mm Hex Bar Wrench	1
88261055	53	Oil Tank Cover	1	88301004	109	6mm Hex Bar Wrench	1
88261071	54	Fan Cover	1	88301007	110	Dual Screw Driver	1
88210130	55	ST4.8×35 Tapping Screw	2	88304020	111	Oil Bottle	1
88232003	56	6201 RZ Ball Bearing	1				