

XINPU

Rotary Hammer

Model: *XP-R26B*

HANDLING INSTRUCTIONS



Original Instructions

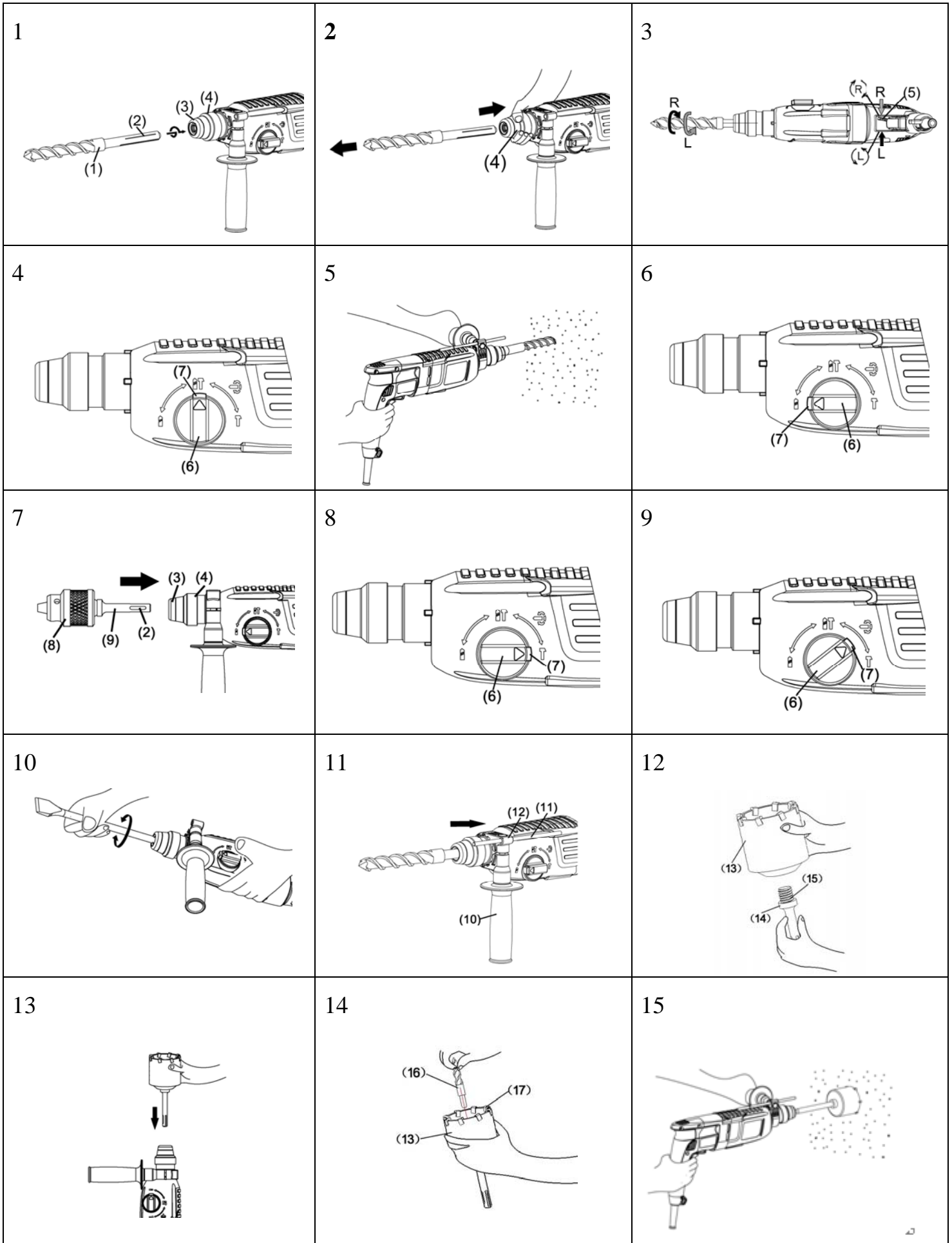
Before using this XINPU Rotary hammer, please carefully read though these **HANDLING INSTRUCTIONS**. Ensure that you know how the machine works, and how it should be operated. Maintain the machine in accordance with the instructions, and make certain that the machine work correctly, please store this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



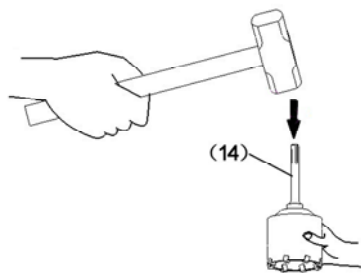
Bj:2013

Zhejiang Xinpu Industrial & Commercial Co., Ltd.

106, No. 330 National Road, Huajie Industrial Zone, Yongkang City, Zhejiang 321300, P. R. China



16



(1)	Drill bit
(2)	Part of SDS-plus shank
(3)	Turn Staff Armor
(4)	Flex Sheath
(5)	switch reversing bar
(6)	Function Knob
(7)	locked Pushbutton
(8)	Drill chuck
(9)	Drill chuck shank
(10)	Auxiliary handle
(11)	Staff gauge
(12)	Mounting hole
(13)	Core bit
(14)	Core bit shank
(15)	Thread
(16)	Drill bit
(17)	Core bit tip

list:

General Power Tool Safety Warnings
 Special requirements for rotary hammer
 Safety Instructions
 Technical Data
 Accessories
 Applications
 Prior to operation
 operation
 lubricate
 Maintenance And Inspection
 Warranty
 Environment

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 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 rotary hammer

1. **Wear ear protectors with impact drills.** *Exposure to noise can cause hearing loss.*
2. **Use auxiliary handles supplied with the tool.** *Loss of control can cause personal injury.*
3. **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.*
4. **Wear a dust mask.** Do not inhale the harmful dusts generated in drilling or chiseling operation. The dust can endanger the health of yourself and bystanders.
5. **Always hold the body handle and side handle of the power tool firmly.** Otherwise the counterforce produced may result in inaccurate and even dangerous operation.
6. **Before beginning work, check the working area (e.g. with a metal detector) to ensure that no concealed electric cables or gas and water pipes are present.** 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.
7. 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
8. Do not touch the bit during or immediately after operation. The bit becomes very hot during operation and could cause serious burns.
9. **Do not use the power tool with a damaged cord. Do not touch the damaged cord and pull the plug from the outlet when the cord is damaged while working.** Damaged cords increase the risk of an electric shock.

Warning: Reduce the working time to avoid risks related with too much vibration.

2. Safety instructions

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



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.



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



Waste electrical products should not be disposed of with house hold waste, Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice.

SPECIFICATIONS

Model No	XP-R26B
ID No.	8 8018 012
Voltage	AC 220-240V
Frequency	50Hz
Rated power	800W
No load speed	0-1200 转/分
Impact rate	0-4800 次/分
Impact energy	2-14J
Capacity: Concrete	26mm
Steel	13mm
Wood	32mm
Weight (without cord and auxiliary handle)	2.5kg

*Be sure to check the nameplate on product as it is subject to change by areas.

STANDARD ACCESSORIES

- (1) Plastic case.....1
- (2) Auxiliary handle.....1
- (3) Staff Guage.....1
- (4) Hammer grease1
- (5) Carbon Brush(6.5×7.5×13.5mm).....2

Standard accessories are subject to change without notice.

OPTIONAL ACCESSORIES (sold separately)

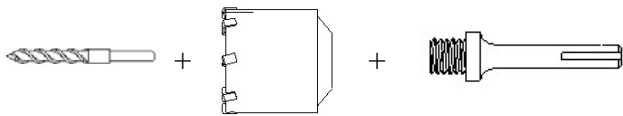
1. Through-hole drilling (Rotation + Hammering)



Drill bit (SDS-plus)

Outer diameter (mm)	Overall length(mm)
8	280
10	280
12	280
14	280
16	400
18	400
20	400
22	400
25	400

2. Large dia. hole boring (Rotation + Hammering)



(1) Drill bit (2) Core bit (3) Core bit shank (SDS-plus shank)

(1) Drill bit

● Applied to core bits 30mm to 50 mm

(2) Core bit

● External dia. 30mm, 35mm, 40mm, 45mm, 50mm

(3) Core bit shank

● Applied to core bits above 30mm.

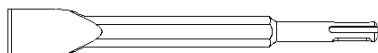
3. Demolishing operation (Hammering only)

Tine Chisel (SDS-plus shank)

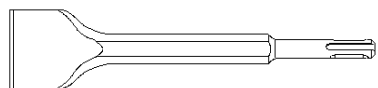


4. Groove digging and edging (Hammering only)

Flat Chisel (SDS-plus shank)



Big Flat (SDS-plus shank)

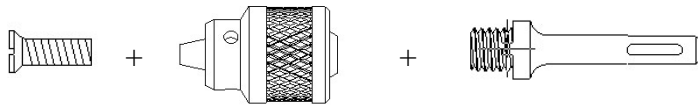


5. Groove (Hammering only)

Goose Chisel (SDS-plus shank)



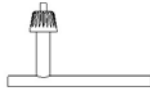
6. Drilling holes (rotation only)



Bolt

Drill chuck

Drill chuck shank(SDS-plus shank)



Drill chuck key

- Drill chuck ass'y (includes Drill chuck key) and chuck (for drilling in steel or wood).

7. Hammer grease (30g)



Optional accessories are subject to change without notice.

APPLICATIONS

Rotation and hammering function

- Drilling anchor holes
- Drilling holes in concrete
- Drilling holes in tile

Rotation only function

- Drilling in steel or wood
(with optional accessories)

Hammering only function

- Light-duty chiseling of concrete, groove digging and edging.

PRIOR TO OPERATION

1. Power source

Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.

2. Power switch

Ensure that the power switch is in the OFF position. If the plug is connected to a power receptacle while the power switch is in the ON position, the power tool will start operating immediately, which could cause a 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.

4. Mounting the drill bit (SDS-plus)

CAUTION:

To prevent accidents, make sure to turn the switch off and disconnect the plug from the receptacle.

NOTE:

When using tools such as bull points, drill bits, etc., make sure to use the genuine parts designated by our company.

- (1) Clean and lightly grease the shank portion of the drill bit.
- (2) Insert the drill bit in a twisting manner into the tool holder until it latches itself (**Fig.1**)
- (3) Pull the drill bit to make sure it is locked completely.
- (4) To remove the drill bit, fully pull the flex sheath in the direction of the arrow and pull out the drill bit (**Fig.2**).

5. Confirm the direction of bit rotation (**Fig.3**)

When the switch reversing bar turn to the “R” direction, the drill will clockwise rotation.

And when the switch reversing bar turn to the “L” direction, the drill will contrarotate.

HOW TO USE THE ROTARY HAMMER

CAUTION:

To prevent accidents, make sure to turn the switch off and disconnect the plug from the receptacle when the drill bits and other various parts are installed or removed. The power switch should also be turned off during a work break and after work.

1. Switch operation

The rotation speed of the drill bit can be controlled steplessly by varying the amount that the switch is pulled. Speed is low when the switch is pulled slightly and increases as the switch is pulled more.

Continuous operation may be attained by pulling the switch and depressing the locked Pushbutton. To turn the switch OFF, pull the switch again to disengage the locked Pushbutton, and release the switch to its original position.

However, the switch can only be pulled in halfway during reverse and rotates at half the speed of forward operation.

The switch locked Pushbutton is unusable during reverse.

2. When drilling at “rotation + hammering”:

(1) Switching to “rotation + hammering”

(a) Push the locked Pushbutton, release lock and turn the function knob.

(b) Align ▲ of the function knob and ■ T of the Gear Case as illustrated in **Fig.4**.

(c) Release the locked Pushbutton to lock the function knob.

NOTE:

Turn the function knob (do not push the locked Pushbutton) to check if it is completely locked and make sure that it does not turn.

(2) Mount the drill bit.

(3) Pull the switch after applying the drill bit tip to the drilling position (**Fig.5**).

(4) Pushing the rotary hammer forcibly is not necessary at all. Pushing slightly so that drill dust comes out gradually is sufficient.

CAUTION:

Although this machine is equipped with a safety clutch, if the drill bit becomes bound in concrete or other material, the resultant stoppage of the drill bit could cause the machine body to turn in reaction. Ensure that the main handle and side handle are gripped firmly during operation.

3. Rotation only

(a) Push the locked Pushbutton, release lock and turn the function knob.

(b) Align ▲ of the function knob and ■ of the Gear Case as illustrated in **Fig.6**

(c) Release the locked Pushbutton to lock the function knob.

NOTE:

Turn the function knob (do not push the locked Pushbutton) to check if it is completely locked and make sure that it does not turn.

To drill wood or metal material using the drill chuck and drill chuck shank (optional accessories), proceed as follows.

Installing drill chuck and drill chuck shank **(Fig.7)**.

(1) Attach the drill chuck to the drill chuck shank.

(2) Insert the drill chuck shank SDS-plus in a twisting manner into the tool holder until it latches itself

CAUTION:

- Application of force more than necessary will not only expedite the work, but will deteriorate the tip edge of the drill bit and reduce the service life of the rotary hammer in addition.
- Drill bits may snap off while withdrawing the rotary hammer from the drilled hole. For withdrawing, it is important to use a pushing motion.
- Do not attempt to drill anchor holes or holes in concrete with the machine set in the rotation only function.
- Do not attempt to use the rotary hammer in the rotation and hammering function with the drill chuck and drill chuck shank attached. This would seriously shorten the service life of every component of the machine.

4. When chipping and chiseling at “hammering”:

(1) Switching to “hammering”

(a) Push the locked Pushbutton, release lock and turn the function knob.

(b) Align ▲ of the function knob and T of the Gear Case as illustrated in **Fig.8**.

(c) Release the locked Pushbutton to lock the function knob.

NOTE:

Turn the function knob (do not push the locked Pushbutton) to check if it is completely locked and make sure that it does not turn.

(2) Mount the tine chisel or flat chisel.

(3) Push the locked Pushbutton, release lock and turn the function knob. Align ▲ of the function knob and ⚡ of the Gear Case as illustrated in **Fig.9**.

The rotation is released, turn adjust the flat chisel to desired position. **(Fig.10)**

(4) Switch the selector lever to “hammering” according to the procedures mentioned in the above item

(1) and secure the position of the tool.

5. Using Staff Gauge (Fig.11)

(1) Loosen the auxiliary handle and insert the straight portion of the orientation staff gauge into the handle bolt hole.

(2) Move the orientation staff gauge to the specified position and rotate the grip of the auxiliary handle clockwise to fix the orientation staff gauge.

HOW TO HANDLE A CORE BIT

When a core bit is used, large diameter holes and blind holes can be drilled. In this case, use optional accessories for core bits (such as a drill bit and core bit shank) for more efficient operation.

1. Mounting

CAUTION: Be sure to turn power OFF and disconnect the plug from the receptacle.

(1) Mount the core bit to the core bit shank. **(Fig.12)**

Lubricate the thread of the core bit shank to facilitate disassembly.

(2) Mount the core bit to the rotary hammer **(Fig.13)**

(3) Engage the drill bit with the core bit, and turn the drill bit to the left or the right so that it does not fall even if it faces downward. **(Fig.14)**

2. Hoe to bore

- (1) Connect the plug to the power source.
- (2) Mount the core bit shank on the main body in the same manner as in mounting the drill bit and the bull point. (Fig. 15)
- (3) When the hole depth reaches approximately 5mm, the hole position can be determined. Then remove the dill bit from the core bit and continue the hole drilling job.

CAUTION: When removing the dill bit, always disconnect the plug from the receptacle.

- (4) Application of excessive force will not only expedite the work, but will deteriorate the tip edge of the drill bit, resulting in reduced service life of the hammer drill.

3. How to dismount the core bit (Fig. 16)

Remove the core bit shank from the rotary hammer, hold the core bit with one hand, and strongly strike the head of the SDS plus shank portion of the core bit shank with a manual hammer two or three times, whereby the round head screw is loosened and the rotary hammer is ready for disassembly.

HOW TO REPLACE GREASE

Low viscosity grease is applied to this rotary hammer so that it can be used for a long period without replacing the grease. Please contact the nearest service center for grease replacement when any grease is leaking from loosened screw.

Further use of the rotary hammer with lock off grease will cause the machine to seize up reduce the service life.

CAUTION:

A special grease is used with this machine, therefore, the normal performance of the machine may be badly affected by use of other grease. Please be sure to let one of our service agents undertake replacement of the grease.

MAINTENANCE AND INSPECTION

1. Inspecting the tool

Since use of a dull tool will degrade efficiency and cause possible motor malfunction, sharpen or replace the tool as soon as abrasion is noted.

2. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

3. Maintenance of the motor

The motor unit winding is the very “heart” of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

4. Inspecting the carbon brushes

The Motor employs carbon brushes which are consumable parts. When they become worn to or near the “wear limit”, it could result in motor trouble. When an auto-stop carbon brush is equipped, the motor will stop automatically. At that time, replace both carbon brushes with new ones which have the same carbon brush of specification with standard. In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

NOTE: Carbon brush inspection and replacement on this tool should ONLY be performed by a after-sales service center.

5. Replacing a carbon brush

When the carbon brushes are worn out, the power tool switches itself off. 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:

Disassembling

- (1) Loosen the five screws on the main handle cover, and remove the main handle cove.
- (2) Lift out the brush holder together with the carbon brush, while being very careful not to forcibly pull the lead wires within the brush holder.
- (3) Withdraw the insert piece, and remover the carbon brush from the brush holder.

○ Reassembling

- (1) Place a new carbon brush into the insert piece, and connect the brush terminal to the carbon brush.
- (2) Return the brush holder and other parts to their original positions.
- (3) Place the lead wire in the specified position. Be very careful not to allow the lead wire to contact the armature or rotating parts of the motor.
- (4) Replace the main handle cover, while being careful to ensure it does not pinch the lead wire, and secure it firmly with the six screws.

CAUTION:

Should the lead wire be pinched by the main handle cover or come in contact with the armature or rotating parts of the motor, a serious danger of electric shock to the operator will be created. Exercise extreme caution in disassembling and reassembling the motor, following the above procedures exactly. Do not attempt to disassemble any parts other than those necessary to effect replacement of the carbon brush.

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

7. Environment



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

CAUTION:

Repair, modification and inspection of XINPU Power tools must be carried out by a XINPU Authorized Service Center.

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

MODIFICATIONS:

XINPU Power Tools are constantly being improved and modified to incorporate the latest technological advancements.

Accordingly, some parts (i.e. code numbers and/or design) may be changed without prior notice.

NOTE:

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