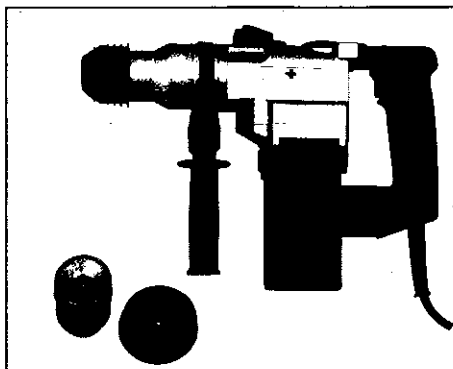


Assembly & Instruction Manual

ROTARY HAMMER DRILL

Model 3096



Distributed Exclusively By



THANK YOU FOR BUYING CUMMINS INDUSTRIAL TOOLS

Your new Rotary Hammer Drill has been engineered and manufactured to Cummins tools high standards for dependability, ease of operation, and operator safety. properly cared for, it will give you years of rugged, trouble-free performance

CAUTION: Carefully read through this entire operator's manual before using your new machine

Pay close attention to the Rules for Safe Operation, Warnings, and Cautions. If you use your machine properly and only for what it is intended, you will enjoy years of safe, reliable service.

SAVE THIS MANUAL FOR FUTURE REFERENCE



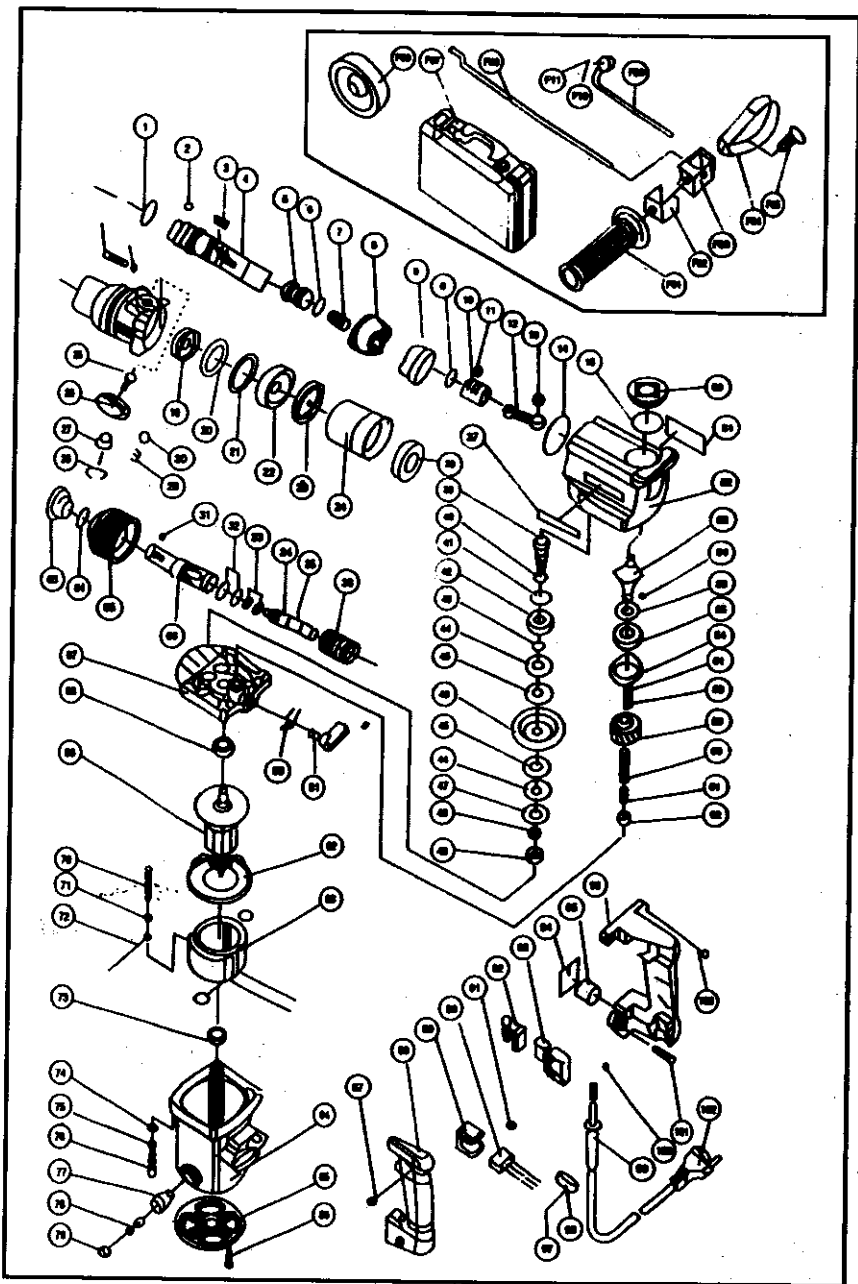
Safety Warnings and Precautions

WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep work area well lighted.
3. **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
4. **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
6. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
7. **Use eye protection.** Always wear ANSI approved impact safety glasses underneath a full face shield during use. Also, wear heavy duty work gloves.
8. **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
9. **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handles must be kept clean, dry, and free from oil and grease at all times.
10. **Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before starting work.
11. **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
12. **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Any part that is damaged should be replaced.
13. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Cummins Industrial Tools.
14. **Do not operate tool if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



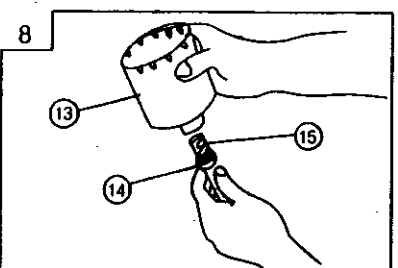
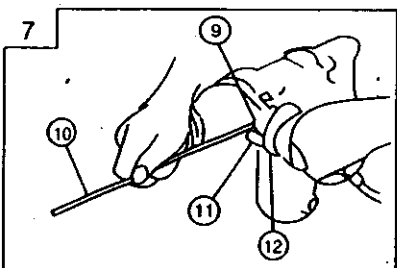
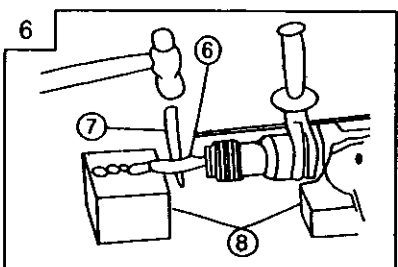
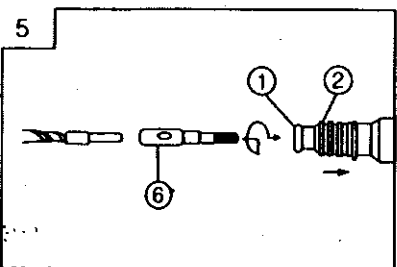
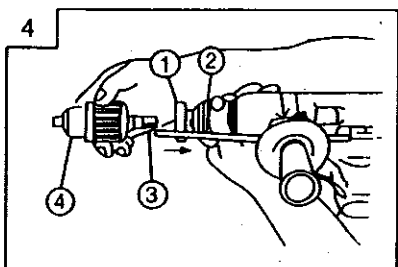
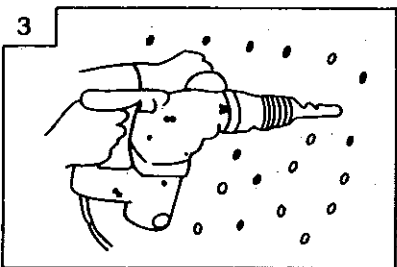
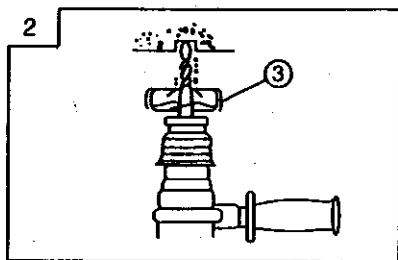
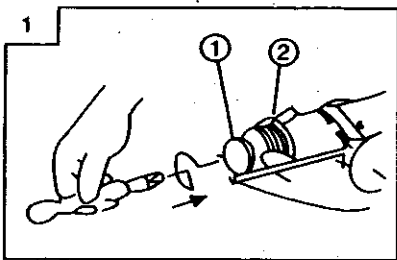
Item No. Part Name

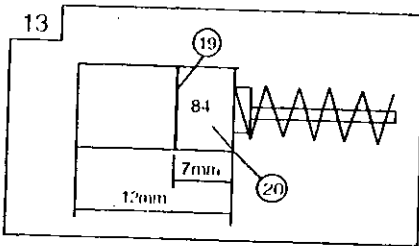
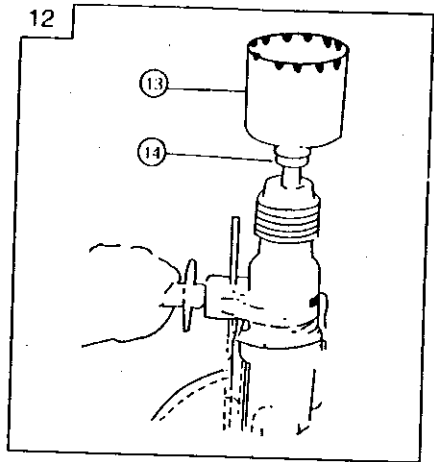
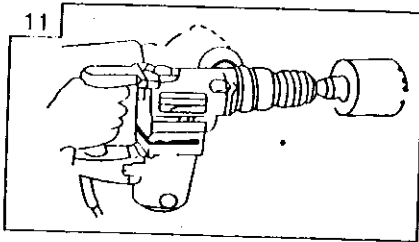
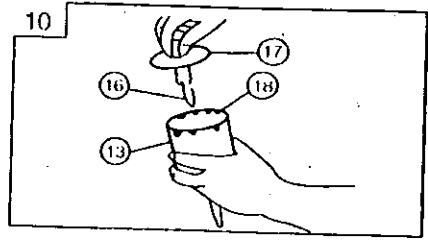
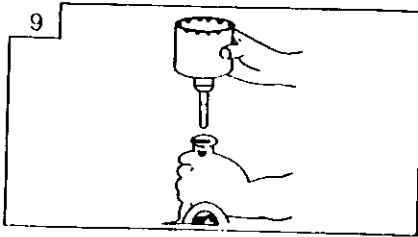
- 1 O-Ring
- 2 Steel Ball
- 3 feather Key
- 4 Cylinder
- 5 Striker
- 6 O-Ring
- 7 Spring
- 8 Clutch
- 9 Third Gear
- 10 Piston
- 11 Piston Pin
- 12 Connecting Rod
- 13 Retaining Ring For
D8 Shaft
- 14 O-Ring
- 15 O-Ring
- 16 Hexagon Socket
Hd. Bolt
- 17 Spring Lock Washer
- 18 Clinder Case
- 19 Clinder Cap
- 20 Oil Seat
- 21 Washer
- 22 Ball Bearing
- 23 Urethane Ring
- 24 Pipe
- 25 shaft Cover
- 26 Hexagon Socket
Hd. Bolt M4 × 12
- 27 Lever Shaft
- 28 Lever

Item No. Part Name

- 29 Seat Lock Hex.Socket
Hd. Bolt M4 × 12
- 30 Spring
- 31 Steel Ball D3.97
- 32 Steel Ball D7.14
- 33 Steel Ball D7.14
- 34 Spring
- 35 Metal
- 36 Third Pinion
- 37 Sleeve
- 38 Oil Seal
- 39 Ball Bearing
Washer
- 41 Slip Plater
- 42 Clutch plate
- 43 Second Gear
- 44 Spring Washer
- 45 Special Nut
- 46 Ball Bearing
- 47 Oil Cap
- 48 Nameplate
- 49 Crank Case Ass'Y
- 50 Crank shaft
- 51 Steel Ball D5.5
- 52 ball Bearing
- 53 Bearing Cover
- 54 Spring Lock Washer
- 55 Hexagon Socket
Hd. Bolt
- 56 Second Pinion
- 57 Spring

Item No.	Part Name	Item No.	Part Name
58	Clutch shaft	87	Tapping Screw
59	Ball Bearing	88	Tapping Screw
60	front Cap Ass'Y	89	Tapping Screw
61	O-Ring	90	Support
62	Slider Grip Ass'y	91	Noise Suppressor
63	Retainer Sleeve	92	Connector
64	O-Ring	93	Switch Cover
65	O-Ring	94	Switch
66	Second Hammer	95	Plate
67	Gear Cover Ass'Y	96	Handle Packing
68	Ball Bearing	97	Handle
69	Armature	98	Tapping Screw
70	Hexagon Tapping Screw	99	Cord Clip
71	Special Washer	100	Cored Armor
72	Lueteral Wire As'Y	101	Tube
73	Ball Bearing	102	Tapping Screw
74	Washer	103	Cord
75	Spring Lock Washer	104	Machine Screw
76	Hexagon Tapping Screw	105	TIELANG Label
77	Brush Holder	F01	Side Handle
78	Carbon Brush	F02	Rod Holder
79	Brush Cap	F03	Side Handle
80	Stopper Spring	F04	Band
81	O-Ring	F05	Sputar Bolt
82	Chang Lever	F06	Case
83	Fan Guide	F07	Stopper Rod
84	Stator Ass'Y	F08	Dust Cup
85	Horsing As'Y	F09	setting lever
86	Tail Cover	F10	fixed lock nut
		F11	fixed lock screw





(1)	Chuck section
(2)	Slide grip
(3)	Dust cup
(4)	Drill chuck
(5)	Chuck adapter
(6)	Taper shank adapter
(7)	Cotter
(8)	Rest
(9)	Fitting hole
(10)	Stopper

(11)	Handle holder
(12)	Side handle
(13)	Core bit
(14)	Core bit shank
(15)	Thread
(16)	Center pin
(17)	Guide plate
(18)	Core bit tip
(19)	Wear limit
(20)	No. Of carbon brush

GENERAL OPERATIONAL PRECAUTIONS

1. Keep work area clean. Cluttered areas and benches invite injuries.
2. Consider work area environment. Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit.
Don't use tool in presence of flammable liquids or gases. Power tools produce sparks during operation. They also spark when switching ON/OFF. Never use power tools in dangerous sites containing lacquer, paint, benzine, thinner, gasoline, gases, adhesive agents, and other materials which are combustible or explosive.
3. Guard against electric shock. Prevent body contact with grounded surfaces. For example piles, radiators, ranges, refrigerator enclosures.
4. Keep children away. Do not let visitors contact tool or extension cord. All visitors should be kept away from tools. When not in use.
5. Store idle tools. When not in use, tools should be stored in dry and high or locked-up place - out of reach of children.
6. Don't force tool. It will do the job better and safer at the rate for which it was intended.
7. Use right tool. Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended - for example - don't use circular saw for cutting tree limbs or logs.
8. Dress properly. Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to covering to contain long hair.
9. Use safety glasses. Also use face or dust mask if cutting operation is dusty.
10. Don't abuse cord. Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
11. Secure work. Use clamps or a vise to hold frees both hands to operate tool.
12. Don't overreach. Keep proper footing and balance at all times.
13. Maintain tools with care. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
14. Disconnect tools. When not in use, before serving, and when changing accessories, such as blades, bits, cutters.
15. Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
16. Avoid unintentional starting. Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
17. Outdoor use extension cords. When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired.
19. Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other

part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

20. Do not use power tools for applications other than those specified in the Handling instructions.
21. To ensure the designed operational integrity of power tools, do not remove installed covers of screws.
22. Do not touch movable parts or accessories unless the power source has been disconnected.

23. Use your tool at lower input than specified on the nameplate; otherwise, the finish may be spoiled and working efficiency reduced due to motor overload.
24. Consult an authorized Service Agent in the event of power tool failure.
25. Use only original replacement parts.
26. This tool should only be disassembled for replacement of carbon brushes.

PRECAUTIONS ON USING HAMMER DRILL

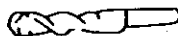
- Prior to cutting into walls, ceilings or floors, ensure there are no electric cables or conduits inside.

SPECIFICATIONS

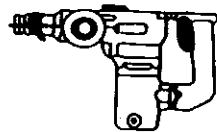
voltage(by areas)	120V-60Hz
Input	800W
Load speed	800RPM
Full-load impact rate	3150/MIN
Capacity concrete	26MM
steel	13MM
wood	40MM
Weight(without cord and side handle)	4.4kg

OPTIONAL ACCESSORIES (sold separately)

1. Drilling anchor holes (rotation+ striking)
- Drill bit (square shank)



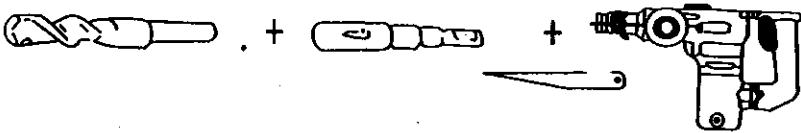
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Drill bit (square shank)

Outer diameter	Total length	Outer diameter	Total length	Outer diameter	Total length
5.0mm	110mm	8.5mm	200mm	16.0mm	350mm
5.0mm	150mm	9.0mm	150mm	17.0mm	200mm
5.5mm	110mm	12.0mm	150mm	19.0mm	150mm
6.5mm	110mm	12.0mm	200mm	19.0mm	350mm
6.5mm	150mm	12.7mm	150mm	22.0mm	200mm
7.0mm	150mm	14.0mm	150mm	22.0mm	350mm
8.0mm	110mm	15.0mm	150mm		
8.0mm	150mm	16.0mm	200mm		

○ Drill bit (taper shank) and taper shank adapter



Drill bit (taper shank)

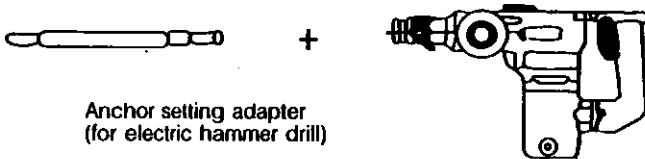
Outer diameter
11.0mm
12.3mm
14.3mm
14.5mm
17.5mm
21.5mm

Taper shank adapter Cutter

Taper mode	Applicable drill bit	
Morse taper (NO. 1)	Drill bit (taper shank)	11.0mm 12.0mm 14.3mm 14.5mm 17.5mm
Morse taper (NO. 2)	Drill bit (Taper shank)	21.5mm
A-taper	Taper shank adapter formed A-taper or B-taper is provided as an optional accessory, but drill bit for it is not provided.	
B-taper		

2. Anchor setting (rotation + striking)

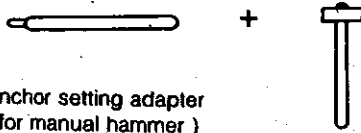
○ Anchor setting adapter (for electric hammer drill)



Anchor setting adapter
(for electric hammer drill)

Anchor size: W1/4", W5/16", W3/8", W1/2"

○ Anchor setting adapter (for manual hammer)

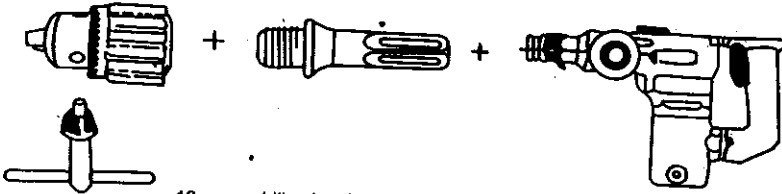


Anchor setting adapter
(for manual hammer)

Anchor size: W1/4" . W5/16" . W3/8" . W1/2" . W5/8"

3. Drilling holes in steel or wood (rotation only)

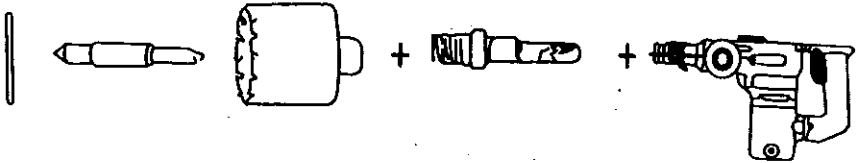
○ Drill chuck and chuck adapter



13 mm drill chuck
(include chuck wrench)

4. Large hole boring (rotation + striking)

○ Center pin, core bit, core bit shank and guide plate



(Guide plate) Center pin Core bit Core bit shank

Center pin	Core bit (out diameter)		Core bit shank
	(A)	25mm 29mm	Core bit shank (A)
Center pin (A)		32mm 35mm 38mm	
Center pin (B)	(B)	45mm 50mm 65mm 80mm 90mm	Core bit shank (B)
Do not use core bits with outer diameter of 25mm and 29mm	with guide plate (The guide plate is not equipped with core bits with outer diameter of 25mm and 29mm)		

Optional accessories are subject of change without notice

APPLICATIONS

Rotation and striking function-

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

Rotation only function:

- Drilling in steel or wood (with optional accessories)

PRIOR TO OPERATION

1 Power source

Ensure that the power source to be utilized conforms to be 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, involving 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. Mount the drill bit (Fig. 1)

Fully shift the slide grip of the chuck section, in the direction of arrow mark, insert the drill bit while rotating it slowly. Match the drill bit to the square hole in the slide grip, and insert it amply. The drill bit is firmly locked in place when the slide grip is returned to its original position. Remove the drill bit in the reverse order to installation. Use a QIANG LI GENUINE DRILL BIT without fail. Although the chuck section is of dust - proof construction, the movement of slide grip may become dull due to concrete dust after the machine has been used for a long period. Lubricate the sliding part of the slide grip.

5. Mounting the dust cup

When it is necessary to drill a hole

with the drill bit facing upward, such as a drilled hole in a ceiling, use of a dust cup will minimize falling particles to attain easy drilling work. Mount the dust cup to the drill bit as shown in Fig. 2. When using a large drill bit, enlarge the hole in the center mounting it on the drill bit.

HOW TO USE

1 Rotation + striking

This hammer drill can be used for rotation and striking by attaching the drill bit. (When drill a in concrete, tile brick)

(1) Push the trigger switch after applying the drill bit tip to the drilling position. (Fig. 3)

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

(3) Handling instructions

Model 26 Hammer of whirl and shock + whirl, just turn commutation handle, it can work by itself.

CAUTION

When the drill bit touches construction iron bar, the bit will stop immediately and the hammer drill will react to revolve. Therefore, grip the side handle and handle tightly.

2. Rotation only (with optional accessories)

The hammer drill can be used only for rotation by attaching the drill chuck and chuck adapter in this state, the hammer drill can be used for drilling of steel and wood materials. For attaching the attachments, withdraw the slide grip of chuck section fully in the direction of the arrow mark in Fig. 4.

Slightly insert the chuck adapter into the square hole of the slide grip by rotating it, and fully insert it after it has matched with the square hole. Return the slide grip to the original position so that the chuck adapter is locked tight. For removal of the attachments, reverse the above-mentioned procedures

(1) 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.

(2) When the hole is nearly passed through, the drill bit is sometimes broken. When the hole is nearly passed through, release the pushing force.

CAUTION

After completion of drilling, always disconnect the plug from the power receptacle.

3. How to use the drill bit (taper shank) and the taper shank adapter.

(1) Mount the taper shank adapter to the taper adapter. (Fig. 5)

(2) Mount the drill bit (taper shank) to the taper shank adapter. (Fig. 5)

(3) Turn the switch ON, and drill a hole in prescribed depth.

(4) To remove the drill bit (taper shank) insert the cotter into the slot of the taper shank adapter and strike the head of the cotter with a hammer supporting on the rest. (Fig. 6)

4. How to use the stopper

Fixing the stopper (Fig. 7)

(1) Loosen the side handle, and insert the linear part of the stopper into the fitting hole the handle holds from the chuck section side.

(2) Move the stopper to its prescribed position while the side handle is left loosened, then rotate the side handle clockwise to fix the stopper.

HOW TO USE THE CORE BIT (FOR LIGHT LOAD)

When boring penetrating large hole use the core bit (for light load). At that time use with the center pin and the core bit shank provided as optional accessories.

1. Mounting

CAUTION

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

(1) Mount the core bit to the core bit

shank. (Fig. 8) Lubricate disassembly.

(2) Mount the core bit shank to the hammer drill. (Fig. 9)

(3) Insert the center pin into the guide plate until it stops.

(4) Engage the guide plate with the core bit, and turn the guide plate to left or right so that it does not fall even if it faces downward. (Fig. 10)

2. How to bore (Fig. 11)

(1) Connect the plug to the power source.

(2) A spring is installed in the center pin. Push it lightly to the wall or the floor straight.

Contact all over the surface of the core bit tip and start operating.

(3) When boring about 5mm in depth the position of the hole will establish. Bore after that removing the center pin and the guide plate from core bit.

CAUTION

When removing the center pin and the guide plate, turn OFF the switch and disconnect the plug from the power receptacle.

3. Dismounting (Fig. 12)

(1) Put the core bit upward as it is installed on this hammer drill. Strike at no-load operation two or three times, then the thread becomes loose and the core bit can be removed.

(2) As the other method, remove the core bit shank from the hammer drill and strike the head of the core bit shank strongly two or three times with a hammer holding the core bit then the thread becomes loose and the core bit can be removed.

LUBRICATION

Low viscosity grease should be applied to the hammer drill so that it can be used for a long period without replacing the grease. Please contact the nearest

service agent for grease replacement if grease leaks from loosened screw. Further use of the hammer drill despite the grease shortage causes seizure to reduce the service life.

CAUTION

The specified grease should be used in this machine, therefore, the normal performance of the machine may be negatively affected by use of other grease. Please be sure to ask our service agents for replacement of the grease.

MAINTENANCE AND INSPECTION

CAUTION

Be sure to turn power OFF and disconnect the plug during maintenance and inspection.

1. Inspecting the drill bits

Since use of a dull tool will cause motor malfunctioning and degraded efficiency, replace the drill bits with a new one or resharpening without delay when 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 (Fig. 13)

The motor employs carbon brushes which are consumable parts. When they become worn to or near "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 Nos. shown in the figure. In addition, always keep

carbon brushes clean and ensure that they slide freely within the brush holders.


5. Replacing a carbon brush

Disassemble the brush cap with a minus-head screwdriver. The carbon brush can then be easily removed.

NOTE

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

WARRANTY

This  product carries a one year home use warranty. Tools used for commercial and industrial use are warranted for 90 days. We will repair without charge, any defects due to faulty materials or workmanship. Simply return the complete unit, transportation prepaid to

TAP ENTERPRISE, INC.

650 N. Lincoln, Spring Hill, KS 66083, U.S. A

This warranty does not apply to:

- accessories
- damage caused where repairs have been made or attempted by others
- damage due to misuse, neglect, normal wear and tear, alteration or modification
- when used for rental purposes

In no event shall  be liable for any incidental or consequential damages.

Please call us toll-free at **1-800 592-2120** for questions concerning this product or its warranty.



Spring Hill, Kansas 66083 U.S.A