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User Instruction Manual

DEMOLITION BREAKER DL-DG06-E1



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 or battery-operated (cordless) power tool.

Work area safety

Keep work area clean and well lit. Cluttered or dark areas invite accidents.

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.

Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

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.

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.

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

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.

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.

If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply. Use of an GFCI reduces the risk of electric shock.

Personal safety

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.

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.

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 energizing power tools that have the switch on invites accidents.

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.

Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

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.

Power tool use and care

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.

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.

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.

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.

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.

Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

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.

Service

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.

Demolition Hammer Safety Rules

Wear ear protectors. Exposure to noise can cause hearing loss.

Use auxiliary handle(s), if supplied with the tool. Loss of control can cause personal injury.

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.

Use a metal detector to determine if there are gas or water pipes hidden in the work area or call the local utility company for assistance before beginning the operation. Striking or cutting into a gas line will result in explosion. Water entering an electrical device may cause electrocution.

Always wear safety goggles or eye protection when using this tool. Use a dust mask or respirator for applications which generate dust. Safety goggles or eye protection will help deflect fragments of the material that may be thrown toward your face and eyes. Dust generated or gases released from the material you are cutting (i.e, asbestos insulated pipes, radon) may cause respiratory difficulties.

Use thick cushioned gloves and limit the exposure time by taking frequent rest periods. Vibration caused by hammer action may be harmful to your hands and arms.

Do not use dull or damaged bits and accessories. Dull or damaged bits have a greater tendency to bind in the workpiece.

Always use both handles for maximum control over this hammer. Never attempt to operate this tool with one hand. This tool develops intense percussive forces during operation and you may lose control if attempting one hand operation.

Position yourself to avoid being caught between the tool or side handle and walls or posts. Should the bit become bound or jammed in the work, the reaction of the tool could crush your hand or leg.

Do not strike the bit with a handheld hammer or sledge hammer when attempting to dislodge a bound or jammed bit. Fragments of metal from the bit could dislodge and strike you or bystanders.

Never place the tool down until the motor has come to a complete stop.

When removing the bit from the tool avoid contact with skin and use proper protective gloves when grasping the bit or accessory. Accessories may be hot after prolonged use.

Additional Safety Warnings

GFCI and personal protection devices like electrician's rubber gloves and footwear will further enhance your personal safety.

Do not use AC only rated tools with a DC power supply. While the tool may appear to work, the electrical components of the AC rated tool are likely to fail and create a hazard to the operator.

Keep handles dry, clean and free from oil and grease. Slippery hands cannot safely control the power tool.

Develop a periodic maintenance schedule for your tool. When cleaning a tool be careful not to disassemble any portion of the tool since internal wires may be misplaced or pinched or safety guard return springs may be improperly mounted. Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc, may damage plastic parts.

Risk of injury to user. The power cord must only be serviced by a MPT Factory Service Center or Authorized MPT Service Station.

⚠ WARNING **Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:**

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work, To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

规格	148x210mm	材质及要求	骑马钉 80g双胶纸		
印刷颜色	■ 黑色			版本	1.0
备注				日期	
平面设计部经理		品质		项目		设计	赵博文

Assembly

INSTALLING ACCESSORIES

Clean the insert shank end of the accessory to remove any debris, then lightly grease with a light oil or lubricant.

Pull and hold locking sleeve backward. Insert accessory into the tool holder through the dust shield, while twisting and pushing inward until it sets into place. Release locking sleeve to lock bit in place. Pull outward on the accessory to be certain it is locked into the tool holder (Fig. 2).

NOTE: The high efficiency available from the hammers can only be obtained if sharp and undamaged accessories are used. The "cost" to maintain sharp and undamaged accessories is more than offset by the "time saved" in operating the tool with sharp accessories.

REMOVING ACCESSORIES

⚠ WARNING Accessories may be hot after use. Avoid contact with skin and use proper protective gloves or cloth to remove.

To remove an accessory, pull and hold locking sleeve backward and then pull bit forward. All accessories should be wiped clean after removing (Fig. 3).

FIG. 2

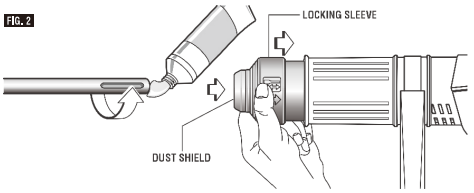
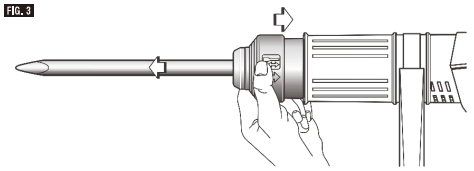


FIG. 3



AUXILIARY HANDLE

The tool must be supported with the auxiliary handle, which can be swiveled 360˚. To reposition and/or swivel the handle, loosen the hand grip, move the handle to the desired position along the barrel and securely retighten the hand grip (Fig. 1).

Operating Instructions

TRIGGER "ON-OFF" SWITCH

To turn the tool "ON" squeeze the trigger switch. To turn the tool "OFF", release the trigger switch, which is spring loaded and will return to the "OFF" position automatically (Fig. 1).

"LOCK-ON" BUTTON

Your tool is also equipped with a "Lock-ON" button located on the left side of the trigger handle that allows for operation at maximum RPM without holding the trigger (Fig. 1).

TO LOCK TRIGGER "ON": squeeze trigger, depress button and release trigger.

TO UNLOCK THE TRIGGER: squeeze trigger and release it without depressing the "Lock-ON" button.

⚠ WARNING To increase switch life, do not turn switch on and off while tool is under load.

VARIABLE SPEED DIAL

Your tool is equipped with a variable speed dial. The speed and impact force can be adjusted by rotating the dial. Higher speeds and impact force work best for faster penetration when chiseling in hard masonry material. Slower speeds work best for chiseling material such as plaster or tile (Fig. 1).

"VARIO-LOCK"- SELECTOR SWITCH

The vario-lock selector ring can be set in any one of twelve (30˚ increments) positions. Choose a position which is best suited for your operation.



1. Turn selector switch to the vario-lock position.

2. Insert accessory into the tool holder, then turn the accessory to the desired position.



3. Turn selector switch to the hammer position, then turn accessory until it engages.

Tool Tips

For the best penetration rates in concrete, run the tool with a steady pressure, but do not use excessive force as this will decrease the efficiency of the tool.

All hammers require a short period of time to warm up. Depending on the room temperature, this time may vary from approximately 15 seconds (90˚F) to 2 minutes (32˚F). A new hammer requires a break-in period before full performance is realized. This period may require up to 5 hours of operation.

An electric hammer is likely to be the most expensive portable tool at the construction job. The long wear and efficient operation of the MPT hammers will more than justify the cost for tools of this type. As earlier pointed out, sharp accessories as well as clean air vents are necessary for efficient operation. Establish and follow a set maintenance program.

Maintenance

Service

⚠ WARNING Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause serious hazard. We recommend that all tool service be performed by a MPT Factory Service Center or Authorized MPT Service Station.

TOOL LUBRICATION

Your MPT tool has been properly lubricated and is ready to use. It is recommended that tools with gears be regreased with a special gear lubricant at every brush change.

CARBON BRUSHES

The brushes and commutator in your tool have been engineered for many hours of dependable service. To maintain peak efficiency of the motor, we recommend every two to six months the brushes be examined. Only genuine MPT replacement brushes specially designed for your tool should be used.

BEARINGS

Bearings which become noisy (due to heavy load or very abrasive material cutting) should be replaced at once to avoid overheating or motor failure.

REPLACEMENT OF CORD AND CARBON BRUSHES

Your tool is designed to provide a qualified service technician optimal access to replace the carbon brushes and the cord. This provides the service technician the ability to replace these components without the need of disassembling the entire tool housing.

Cleaning

⚠ WARNING To avoid accidents always disconnect the tool from the power supply before cleaning or performing any maintenance. The tool may be cleaned most effectively with compressed dry air. **Always wear safety goggles when cleaning tools with compressed air.**

Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

⚠ CAUTION Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

Extension Cords

⚠ WARNING If an extension cord is necessary, a cord with adequate size conductors that is capable of carrying the current necessary for your tool must be used. This will prevent excessive voltage drop, loss of power or overheating. Grounded tools must use 3-wire extension cords that have 3-prong plugs and receptacles.

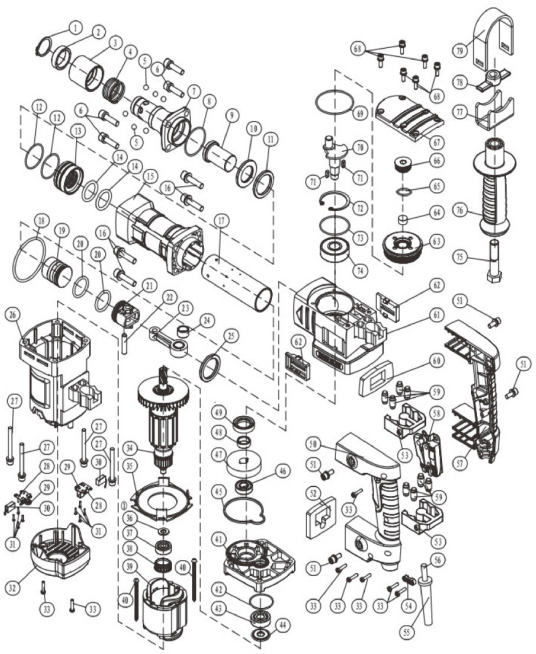
NOTE: The smaller the gauge number, the heavier the cord.

RECOMMENDED SIZES OF EXTENSION CORDS
120 VOLT ALTERNATING CURRENT TOOLS

Tool's Ampere Rating	Cord Size in A.W.G.				Wire Sizes in mm²			
	Cord Length in Feet				Cord Length in Meters			
	25	50	100	150	15	30	60	120
3-6	18	16	16	14	0,75	0,75	1,5	2,5
6-8	18	16	14	12	0,75	1,0	2,5	4,0
8-10	18	16	14	12	0,75	1,0	2,5	4,0
10-12	16	16	14	12	1,0	2,5	4,0	—
12-16	14	12	—	—	—	—	—	—

Accessories

Auxiliary Handle* (*= standard equipment)
Carrying case* (**= optional accessories)



品名	电镐	货号	DL-DG06-E1	零件名称	说明书

NO.	SPARE PARTS NAME	QTY.	NO.	SPARE PARTS NAME	QTY.
1	clip washer	1	41	middle cover	1
2	limit cover	1	42	O ring	1
3	sliding bush	1	43	bearing 6201	1
4	sliding bush spring	1	44	bearing 6201 dust proof washer	1
5	steel ball φ7.938	6	45	middle cover O seal ring "8" type	1
6	screw nut M8x30 & washer	4	46	bearing 6001	1
7	iron cover	1	47	crankshaft gear	1
8	O ring	1	48	spacing bush	1
9	strike rod	1	49	oil seal	1
10	strike rod washer	1	50	left handle	1
11	Rectangular cushion	1	51	screw M6×16	4
12	O ring	2	52	housing cushion	1
13	cylinder head	1	53	damping hook	2
14	O ring	2	54	cable plate	1
15	front cover	1	55	cable sleeve	1
16	M8×35 crew	4	56	cable and plug	1
17	cylinder	1	57	right handle	1
18	O ring	1	58	switch	1
19	strike hammer	1	59	damping pin	8
20	O ring	2	60	gear box damping gasket	1
21	piston	1	61	gear box	1
22	piston pin	1	62	wind window	2
23	link rod	1	63	Oil storage cylinder	1
24	oil bearing	1	64	Wool felt column	1
25	washer	1	65	O ring	1
26	housing	1	66	Oil storage cylinder cap	1
27	M6×60 screw	4	67	cap	1
28	brush holder	2	68	screw M5×16	6
29	flat spring	2	69	O ring	1
30	carbon brush	2	70	crankshaft	1
31	screw ST2.9×12	8	71	flat washer 4×4×12	2
32	rear cover	1	72	D47 hole circlip	1
33	screw KA40×16	8	73	O ring	1
34	armature	1	74	bearing 6303	1
35	fan guide	1	75	screw M12×60	1
36	washer	1	76	side handle	1
37	bearing 608	1	77	holder	1
38	608 bearing sleeve	1	78	zipper	1
39	field coil	1	79	clamp	1
40	screw ST4.2×65	2			

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Product Warranty Card

Dear users :

Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.

Warranty Notice:

1.From _____ (Year/Month/Day) to _____ (Year/Month/Day),

If the failure happen in normal use, our company will provide free warranty, parts replacement and other services according to the failure situation.

2.This warranty card and purchase invoice are the voucher of after-sales service provided by our company to customers. The card must be detailed only after filling in the following form and affixing the official seal with the distributor.

3.In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:

（1）Exceed the expiration date;

（2）Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage;

（3）Failure or damage caused by disassembling, repairing or modification of the product without the permission of our company ;

（4）Machine breakdown or damage caused by force majeure;

（5）Consumable accessories.

This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.

Purchase Date: _____ (Year/Month/Day)

Product Certificate

Inspector:

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Date of manufacture:

NINGBO DELI TOOLS CO., LTD.
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MADE IN CHINA

Reserved for future use

Version：1.0
Date: June. , 2022

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规格	148x210mm	材质及要求	骑马钉 80g双胶纸		
印刷颜色	■ 黑色			版本	1.0
备注				日期	
平面设计部经理		品质		项目		设计	赵博文