

GENERAL SAFETY RULES

WARNING :

When using electric tools always follow basic safety precautions to reduce the risk of fire , electric shock and personal injury including the following:

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE REFERENCE.

1. **KEEP WORK AREA CLEAN** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENTS** Don't use your power tools in damp or wet locations , or in the presence of explosive atmospheres (gaseous fumes , dust, or flammable materials). Remove materials or debris that may be ignited by sparks. Don't expose power tools to rain. Keep work area well lit.
3. **GUARD AGAINST ELECTRIC SHOCK** Prevent body contact with grounded surfaces. For example : pipes , radiators , ranges , refrigerator enclosures.
4. **KEEP CHILDREN AWAY** Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
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 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 your tool by its cord or yank it to disconnect from receptacle. Keep cord from heat , oil and sharp edges.
11. **SECURE WORK** Use a clamp , vise or other practical means to hold your work securely. It's safer than using your hand and it 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 it 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 it is not in use , before changing accessories , or performing recommended maintenance , disconnect tools from power outlet.
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 tool with finger on switch. Be sure switch is off when plugging in.
17. **EXTENSION CORDS** Make sure your extension cord is in good condition. When using an extension cord , be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt , use the next heavier gage. The smaller the gage number , the heavier the cord.

18. OUTDOOR USE EXTENSION CORDS when tool is used outdoors , use only extension cords intended for use outdoors and so marked.

19. STAY ALERT Watch what you are doing. Use common sense. Do not operate tool when you are tired.

20. CHECK DAMAGED PARTS Before further use of the tools , a guard or other part that is damaged should be carefully checked to determine that it will operate properly and

other that may affect its operation. 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

21. Replacement Parts

When servicing use only identical replacement parts.

22. Polarized Plugs

To reduce the risk of electric shock , this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet , reverse the plug. If it still does not fit , contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

23. Wear ear protectors when using for extended periods .

EXTENSION CORDS

Grounded tools require a three-wire extension cord. Double insulated tools can use either a two or three wire extension cord. As the distance from the supply outlet increases , you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire cause a serious drop in voltage, resulting in loss of power and possible tool damage. Refer to the table below to determine the required minimum wire size.

Recommended Minimum Wire Gauge for Extension Cords

Nameplate Amperes	Extension Cord Length			
	0'-25'	26'-50'	51'-100'	101'-150'
0-6	18	16	16	14
6-10	18	16	14	12
10-12	16	16	14	12
12-16	14	12	--	--

The smaller the gauge number of the wire , the greater the capacity of the cord. For example , a

14 gauge cord can carry a higher current than a 16 gauge cord. When using more than one extension cord to make up the total length , be sure each cord contains at least the minimum wire size required. If you are using one extension cord for more than one tool , add the nameplate amperes and use the sum to determine the required minimum wire size.

Guidelines for Using Extension Cords

- If you are using an extension cord outdoors , be sure it is marked with the suffix "W-A" ("W" in Canada) to indicate that it is acceptable for outdoor use.
- Be sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.
- Protect your extension cords from sharp objects , excessive heat and damp or wet areas.

WARNING :

Check the outlet voltage to be sure it matches the voltage listed on the unit's nameplate. Using your tool at voltages more than 10% greater is potentially dangerous and constitutes misuse. This includes using voltage boosters.

“SAVE THESE INSTRUCTIONS”

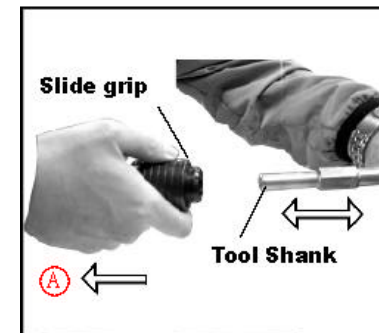
INSTALLING TOOLS

CAUTION : Be sure switch is OFF, and the plug is disconnected from the receptacle to avoid serious accidents.

NOTE: Use separately sold genuine parts, such as bull points and cutters, designated by JEPSON.

1. Wipe and clean the shank section of the tool, then apply light grease or lubricant.
2. Pull the slide grip in the direction of A as shown in (Fig. 1) to insert tool shank into the hexagonal hole of the front cover.
3. Release the slide grip to its original position. Pull the tool to make sure it is locked securely and correctly.
4. Pull the slide grip in the direction of A as shown in (Fig. 1) to remove tool shank from the hexagonal hole of the front cover.

CAUTION: During work, do not hold the slide grip part of the machine. Holding the slide grip, operator may pull the slide grip in by mistake therefore cause the bull point to jump out. Grip both the handle and side handle of the machine securely during work for efficiency and safety.



(Fig. 1)

HOW TO REPLACE GREASE

This machine has dust proof design and grease leakage protection. Therefore, the machine can be used without additional lubrication for long periods. Replace the grease under conditions as described below.

1. Grease Replacement Period

After purchase, replace grease every 100 hours of usage. Ask for grease replacement at the nearest authorized JEPSON Service Agent. Only use Jepson grease.

2. Grease Replacement

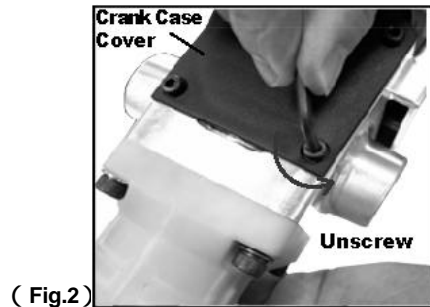
Caution : Before replacing the grease: Be sure switch is OFF, and the plug is disconnected from the receptacle to avoid serious accidents.

1. Remove the crank case cover by unscrewing the four 4 mm Hex socket head screws. (Fig.2)

Wipe off old grease inside crank case cavity and under the crank case cover.

2. Replace with new grease. Make sure the crank case cover seal is not damaged. If sign of damage is detected, replace with new seal.

Install the crank case cover on top of the crank case cavity properly. Then tighten the four 4 mm Hex socket head screws. (12 in/lbs)



(Fig.2)

HOW TO USE THE DEMOLITION HAMMER

1. Follow procedures of **INSTALLING TOOLS** described above. Plug in the machine to correct voltage outlet before switch ON.

2. With one hand firmly on the switch handle and control the switch of the machine. The other hand firmly holds the cylinder case.

(Fig.3) Turn on machine to begin work. One can effectively control the subsequent recoil motion of the machine and utilize the weight of the machine as an advantage to complete work.

3. Proceed to work at a moderate work-rate. Do not use excess force, for this will impair efficiency. Take advantage of the weight of the machine to gain best work efficiency.



(Fig.3)

APPLICATIONS

1. Breaking concrete, chipping off concrete, grooving, bar cutting, and driving piles.

2. Application examples :

Installation of piping and wiring, sanitary facility installation, machinery installation, water supply and drainage work, interior jobs, harbor facilities and other civil engineering work.

CARBON BRUSHES

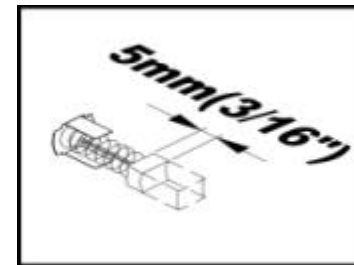
1. INSPECTION THE CARBON BRUSHES

Replace carbon brushes when they wear down to about 5mm (3/16") or sparking will occur. Both brushes should be changed at the same time. (Fig.4)

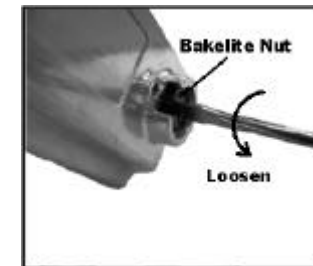
2. Replacement procedure

Use a 5 mm Allen wrench to remove the tail cover Hex socket screws. Use a screwdriver to remove the brush caps and carbon brushes. (Fig.5) Remove worn carbon brush from carbon brush holder. Install new carbon brushes. Do not forget to tighten the brush caps properly and to install the tail cover. Tighten the 5mm Hex socket screw. (15 in/lbs)

NOTE : To avoid the risk of injury, always switch off and unplug tool before changing carbon brushes.



(Fig.4)



(Fig.5)

MAINTENANCE AND INSPECTION

CAUTION : To avoid the risk of injury, always switch off and unplug tool before any maintenance and inspection.

1. Inspecting the tool

Sharpen or replace the tool frequently to ensure maximum efficiency of the machine and to avoid possible damage to the machine.

2. Inspecting the mounting screws :

Regularly inspect all mounting screws and ensure that they are properly tightened. Retighten them immediately if any of the screws become loose. Failure to do so could result in serious hazard and risk of injury.

3. Maintenance of the motor

Exercise due caution to make sure the motor or field winding does not become damaged. Avoid getting the machine wet with oil or water. This may cause serious injury.

NOTE : The contents and specifications herein are subject to change without prior notice.

INSTRUCTION MANUAL 1-8



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WARNING:

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to State of California 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

