

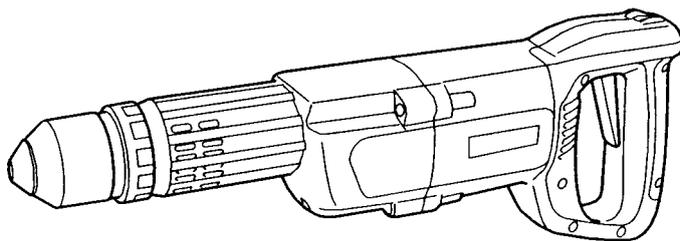
Makita

アメリカ

Power Scraper

MODEL HK0500

INSTRUCTION MANUAL



 **DOUBLE
INSULATION**

SPECIFICATIONS

Blows per minute	Overall length	Net weight
2,000 – 3,500	468 mm (18-13/32")	3.1 kg (6.8 lbs)

* Manufacturer reserves the right to change specifications without notice.

* Note: Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

GENERAL SAFETY RULES

(For All Tools)

WARNING! Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

READ ALL INSTRUCTIONS.

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **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.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

4. **Double Insulated tools are equipped with 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 a polarized outlet. Do not change the plug in any way.** Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
8. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W."** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

11. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
12. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
13. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
14. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

15. **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
16. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
17. **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
18. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
19. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
20. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
21. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
22. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE

23. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
24. **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

Specific Safety Rules

- 1. Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.**
- 2. Wear ear protectors when using the tool for extended periods. Prolonged exposure to high intensity noise can cause hearing loss.**
- 3. Wear a hard hat (safety helmet), safety glasses and/or face shield. It is also highly recommended that you wear a dust mask, ear protectors and thickly padded gloves.**
- 4. Be sure the bit is secured in place before operation.**
- 5. Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before operation.**
- 6. In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warm-up, hammering operation is difficult.**
- 7. Always be sure you have a firm footing.
Be sure no one is below when using the tool in high locations.**
- 8. Hold the tool firmly with both hands.**
- 9. Keep hands away from moving parts.**
- 10. Do not leave the tool running. Operate the tool only when hand-held.**
- 11. Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.**
- 12. Do not touch the bit or parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.**

SAVE THESE INSTRUCTIONS.

SYMBOLS

The followings show the symbols used for tool.

V volts

A amperes

Hz hertz

 alternating current

 Class II Construction

.../min revolutions or reciprocation per minute

 number of blow

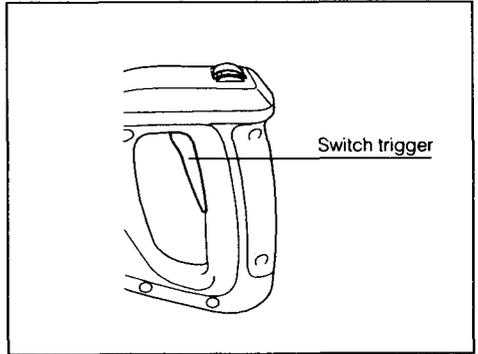
FUNCTIONAL DESCRIPTION

Switch action

CAUTION:

Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

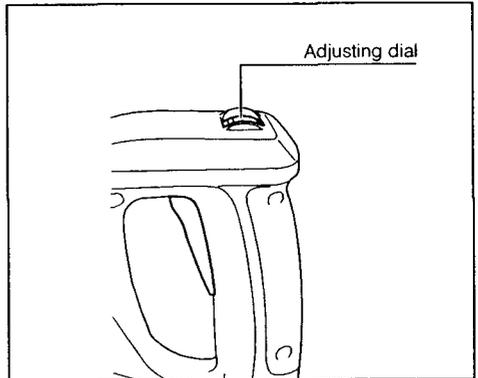
To start the tool, simply pull the trigger. Release the trigger to stop.



Speed change

The blows per minute can be adjusted between 2,000 and 3,500 BPM just by turning the adjusting dial. This can be done even while the tool is running. The dial is marked 1 (lowest speed) to 6 (full speed). Refer to the table below for the relationship between the number settings on the adjusting dial and the blows per minute.

Number on adjusting dial	Blows per minute
6	3,500
5	3,200
4	2,900
3	2,600
2	2,300
1	2,000



ASSEMBLY

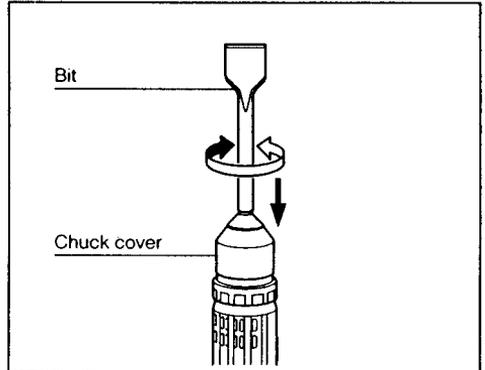
Installing or removing bit

CAUTION:

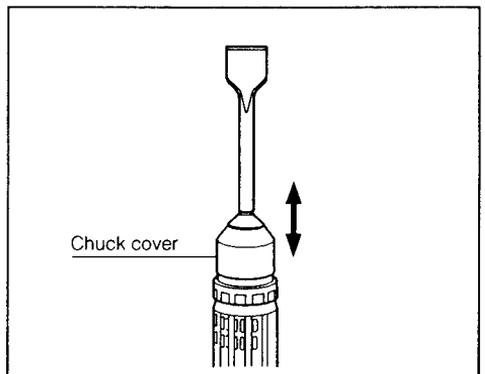
Always be sure that the tool is switched off and unplugged before installing or removing the bit.

Clean the bit shank before installing the bit.

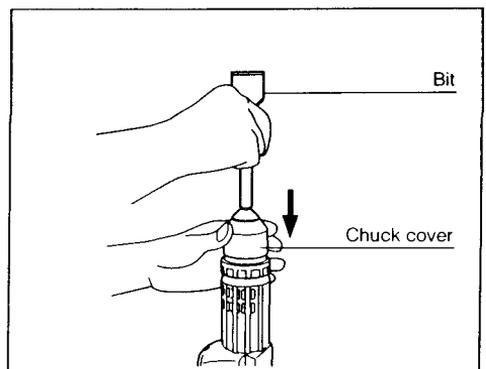
Insert the bit into the tool. Turn the bit and push it in until it engages.



If the bit cannot be pushed in, remove the bit. Pull the chuck cover down a couple of times. Then insert the bit again. Turn the bit and push it in until it engages.

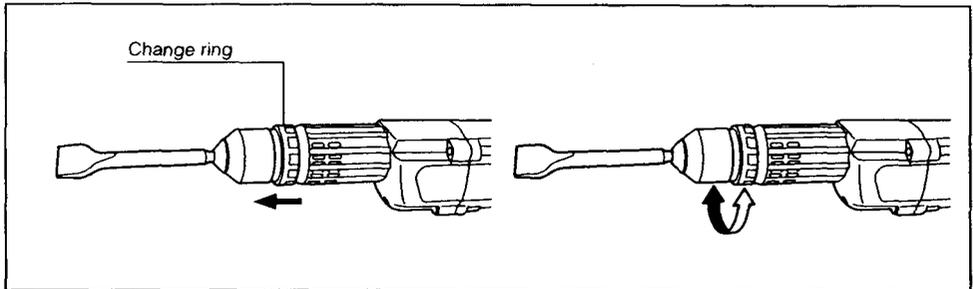


After installing, always make sure that the bit is securely held in place by trying to pull it out. To remove the bit, pull the chuck cover down all the way and pull the it out.



Bit angle

The bit can be secured at 12 different angles. To change the bit angle, slide the change ring forward, then turn the change ring to change the bit angle. At the desired angle, slide the change ring back to the original position. The bit will be secured in place.

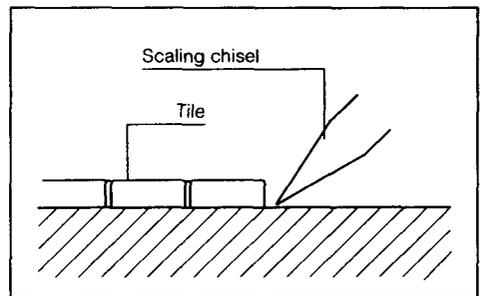


OPERATION

Position the bit at the location to be chipped, then pull the trigger. Apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.

NOTE:

When removing tiles with a scaling chisel, apply the chisel to the bottom of tiles as shown in the figure. If you operate the tool with the chisel applied to the top surface of tiles, the service life of the chisel will be shortened.



MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- **Bull point**

250 mm (9-27/32")

Part No. 798389-5



- **Cold chisel**

20 mm (13/16") x 250 mm (9-27/32")

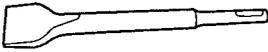
Part No. 798388-7



- **Scaling chisel**

38 mm (1-1/2") x 200 mm (7-7/8")

Part No. A-30483



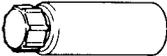
- **Safety goggles**

Part No. 191686-2

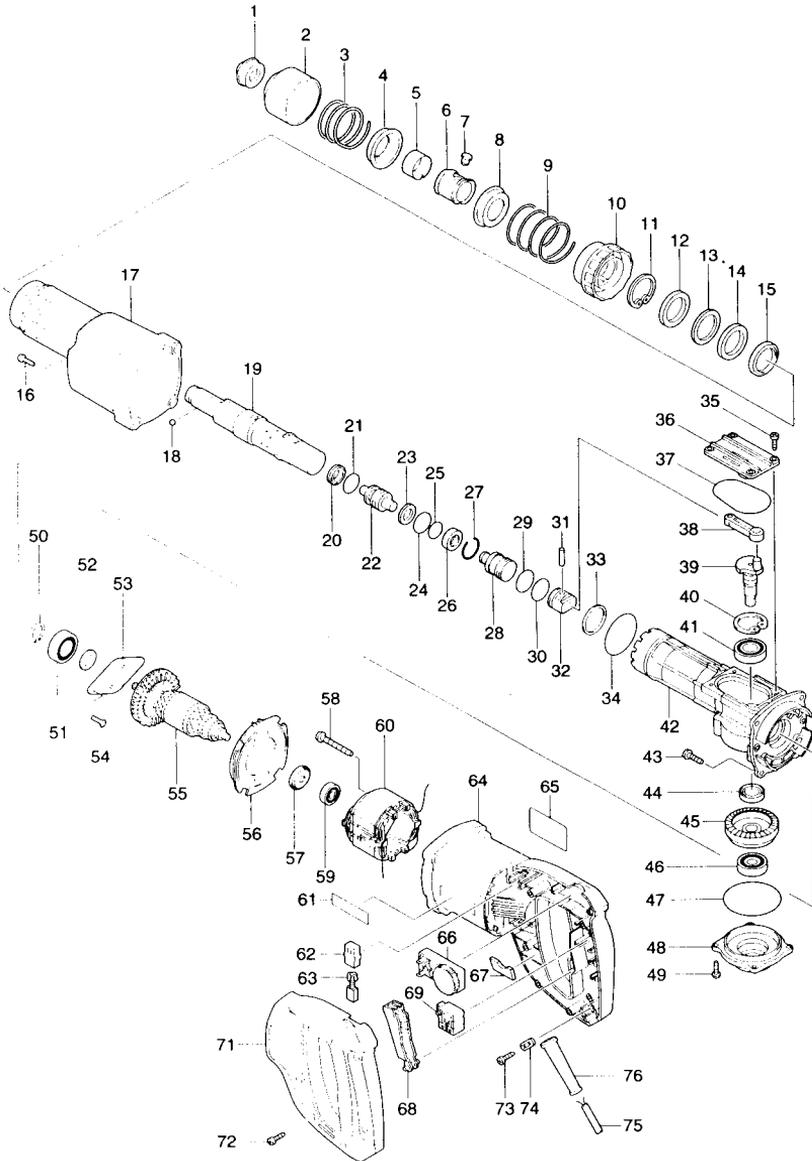


- **Hammer grease (30 cc)**

Part No 181490-7



POWER SCRAPER Model HK0500



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	1	Cap 31	39	1	Crank Shaft
2	1	Chuck Cover	40	1	Retaining Ring R-32
3	1	Compression Spring 38	41	1	Ball Bearing 6002LLU
4	1	Spring Guide	42	1	Crank Housing Complete
5	1	Leaf Spring 20	43	4	Tapping Screw 5x20
6	1	Chuck Ring	44	1	Oil Seal 15
7	1	Pin 8	45	1	Spiral Bevel Gear 41
8	1	Spring Guide	46	1	Ball Bearing 6200LLB
9	1	Compression Spring 38	47	1	O Ring 55
10	1	Change Ring	48	1	Gear Cover Complete
11	1	Retaining Ring R-38	49	4	Tapping Screw CT 4x16
12	1	Ring 27	50	1	Retaining Ring S-12
13	1	Urethane Washer 28	51	1	Ball Bearing 6201DDW
14	1	Ring 27	52	1	Flat Washer 12
15	1	Oil Seal 30	53	1	Bearing Retainer 68
16	2	Tapping Screw 4x18	54	2	Countersunk Head Screw M4x12
17	1	Crank Housing Cover Complete	55	1	ARMATURE ASSEMBLY (With Item 57 & 59)
18	1	Steel Ball 7.0	56	1	Baffle Plate
19	1	Tool Holder	57	1	Insulated Washer
20	1	X Ring 13	58	2	Tapping Screw 5x40
21	1	O Ring 16	59	1	Ball Bearing 608DDW
22	1	Impact Bolt	60	1	FIELD ASSEMBLY
23	1	Flat Washer 13	61	1	Makita Label
24	1	O Ring 14	62	2	Brush Holder
25	1	O Ring 11	63	2	A.C. Carbon Brush
26	1	O Ring Case	64	1	Motor Housing
27	1	Ring Spring 21	65	1	Name Plate
28	1	Striker	66	1	Controller
29	1	O Ring 16	67	1	Sponge Sheet 13-33
30	1	O Ring 16	68	1	Switch Lever
31	1	Pin 5	69	1	Switch
32	1	Piston	71	1	Handle Cover Complete
33	1	Flat Washer 27	72	6	Tapping Screw 4x18
34	1	O Ring 44	73	2	Tapping Screw 4x18
35	4	Tapping Screw CT 4x16	74	1	Strain Relief
36	1	Crank Cap	75	1	Cord
37	1	O Ring 53	76	1	Cord Guard
38	1	Rod			

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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