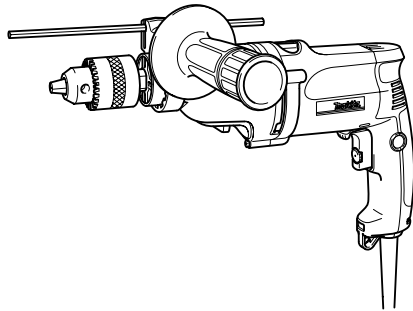




2-Speed Hammer Drill

MODEL HP2050F

MODEL HP2051F



I N S T R U C T I O N M A N U A L

⚠ WARNING:

For your personal safety, READ and UNDERSTAND before using.
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

SPECIFICATIONS

Model		HP2050F		HP2051F	
Speed		High	Low	High	Low
Capacities	Concrete	20 mm (3/4")	-	20 mm (3/4")	-
	Steel	8 mm (5/16")	13 mm (1/2")	8 mm (5/16")	13 mm (1/2")
	Wood	25 mm (1")	40 mm (1-9/16")	25 mm (1")	40 mm (1-9/16")
No load speed (RPM)		0 - 2,900/min.	0 - 1,200/min.	0 - 2,900/min.	0 - 1,200/min.
Blows per minute		0 - 58,000	0 - 24,000	0 - 58,000	0 - 24,000
Overall length		362 mm (14-1/4")		360 mm (14-1/8")	
Net weight		2.3 kg (5.1 lbs)		2.3 kg (5.1 lbs)	

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

GENERAL SAFETY RULES

USA002-2

(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

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. Ordinary eye or sun glasses are NOT eye protection.

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.

USE PROPER EXTENSION CORD: 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 1 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.

Table 1: Minimum gage for cord

Ampere Rating		Volts	Total length of cord in feet			
		120 V	25 ft.	50 ft.	100 ft.	150 ft.
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

SPECIFIC SAFETY RULES

USB002-2

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to hammer drill safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

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.

Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
3.

Hold the tool firmly with both hands. Always use the side grip.

-
4. Keep hands away from rotating parts.

5. Do not leave the tool running.
Operate the tool only when hand-held.

6. Do not touch the bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.

7. Some material contains chemicals which may be toxic. Take caution to prevent working dust inhalation and skin contact. Follow material supplier safety data.
-

SAVE THESE INSTRUCTIONS

 **WARNING:**
MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

SYMBOLS

USD202-2

The followings show the symbols used for tool.

- V volts

A amperes

Hz hertz

 alternating current

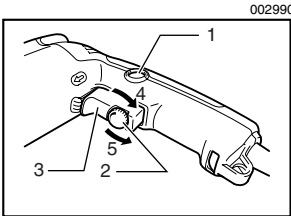
 no load speed

 Class II Construction

 revolutions or reciprocation per minute

 number of blow

FUNCTIONAL DESCRIPTION



1. Lock button
2. Speed control screw
3. Switch trigger
4. Higher
5. Lower

⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

Switch action

⚠ CAUTION:

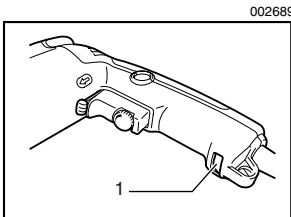
- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the “OFF” position when released.
- Switch can be locked in “ON” position for ease of operator comfort during extended use. Apply caution when locking tool in “ON” position and maintain firm grasp on tool.

To start the tool, simply pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

For continuous operation, pull the switch trigger and then push in the lock button.

To stop the tool from the locked position, pull the switch trigger fully, then release it.

A speed control screw is provided so that maximum tool speed can be limited (variable). Turn the speed control screw clockwise for higher speed, and counterclockwise for lower speed.



1. Lamp

Lighting up the lamps

⚠ CAUTION:

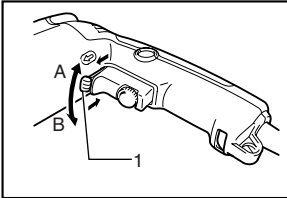
- Do not look in the light or see the source of light directly.

To turn on the lamp, pull the trigger. Release the trigger to turn it off.

NOTE:

- Use a dry cloth to wipe the dirt off the lens of lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.

002991



1. Reversing switch lever

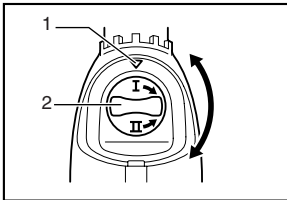
Reversing switch action

This tool has a reversing switch to change the direction of rotation. Move the reversing switch lever to the ⇐ position (A side) for clockwise rotation or the ⇒ position (B side) for counterclockwise rotation.

⚠ CAUTION:

- Always check the direction of rotation before operation.
- Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.

002691



1. Arrow
2. Speed change knob

Speed change

Two speed ranges can be preselected with the speed change knob.

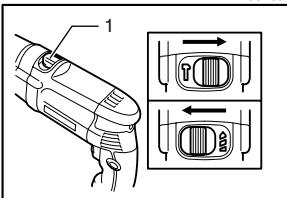
To change the speed, turn the speed change knob so that the arrow on the tool body points toward the "I" position on the knob for low speed or "II" position for high speed.

If it is hard to turn the knob, first turn the chuck slightly in either direction and then turn the knob again.

⚠ CAUTION:

- Use the speed change knob only after the tool comes to a complete stop. Changing the tool speed before the tool stops may damage the tool.
- Always set the speed change knob to the correct position. If you operate the tool with the speed change knob positioned halfway between the "I" and "II" position, the tool may be damaged.

002692



1. Action mode changing lever

Selecting the action mode

This tool has an action mode change lever. For rotation with hammering, slide the action mode change lever to the right (⤵ symbol). For rotation only, slide the action mode change lever to the left (⤵ symbol).

⚠ CAUTION:

- Always slide the action mode change lever all the way to your desired mode position. If you operate the tool with the lever positioned halfway between the mode symbols, the tool may be damaged.

ASSEMBLY

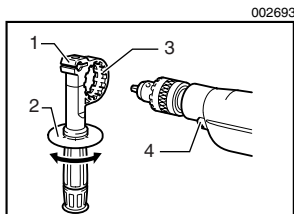
CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Installing side grip (auxiliary handle)

Always use the side grip to ensure operating safety. Install the side grip so that the teeth on the grip fit in between the protrusions on the tool barrel.

Then tighten the grip by turning clockwise at the desired position. It may be swung 360° so as to be secured at any position.



1. Grip base
2. Side grip (auxiliary handle)
3. Teeth
4. Protrusions

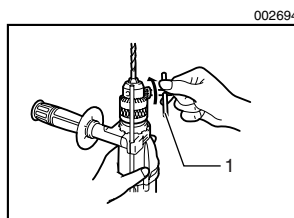
Installing or removing drill bit

For Model HP2050F

To install the bit, place it in the chuck as far as it will go. Tighten the chuck by hand. Place the chuck key in each of the three holes and tighten clockwise. Be sure to tighten all three chuck holes evenly.

To remove the bit, turn the chuck key counterclockwise in just one hole, then loosen the chuck by hand.

After using the chuck key, be sure to return to the original position.

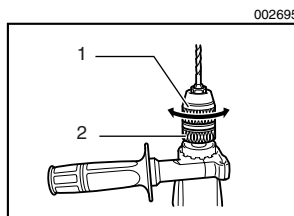


1. Chuck key

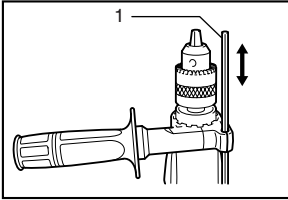
For Model HP2051F

Hold the ring and turn the sleeve counterclockwise to open the chuck jaws. Place the bit in the chuck as far as it will go. Hold the ring firmly and turn the sleeve clockwise to tighten the chuck.

To remove the bit, hold the ring and turn the sleeve counterclockwise.



1. Sleeve
2. Ring



1. Depth gauge

Depth gauge

The depth gauge is convenient for drilling holes of uniform depth. Loosen the side grip and insert the depth gauge into the hole in the side grip. Adjust the depth gauge to the desired depth and tighten the side grip.

NOTE:

- The depth gauge cannot be used at the position where the depth gauge strikes against the tool body.

OPERATION

Hammer drilling operation

CAUTION:

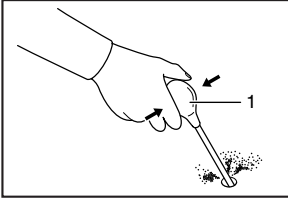
- There is a tremendous and sudden twisting force exerted on the tool/bit at the time of hole break-through, when the hole becomes clogged with chips and particles, or when striking reinforcing rods embedded in the concrete. Always use the side grip (auxiliary handle) and firmly hold the tool by both side grip and switch handle during operations. Failure to do so may result in the loss of control of the tool and potentially severe injury.

When drilling in concrete, granite, tile, etc., move the action mode changing lever to the position of  symbol to use "rotation with hammering" action.

Be sure to use a tungsten-carbide tipped bit.

Position the bit at the desired location for the hole, then pull the switch trigger. Do not force the tool. Light pressure gives best results. Keep the tool in position and prevent it from slipping away from the hole.

Do not apply more pressure when the hole becomes clogged with chips or particles. Instead, run the tool at an idle, then remove the bit partially from the hole. By repeating this several times, the hole will be cleaned out and normal drilling may be resumed.



1. Blow-out bulb

Blow-out bulb (optional accessory)

After drilling the hole, use the blow-out bulb to clean the dust out of the hole.

Drilling operation

When drilling in wood, metal or plastic materials, move the action mode changing lever to the position of  symbol to use “rotation only” action.

Drilling in wood

When drilling in wood, the best results are obtained with wood drills equipped with a guide screw. The guide screw makes drilling easier by pulling the bit into the workpiece.

Drilling in metal

To prevent the bit from slipping when starting a hole, make an indentation with a center-punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling.

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

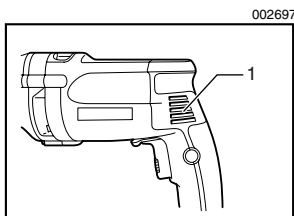
CAUTION:

- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.
- There is a tremendous force exerted on the tool/bit at the time of hole break through. Hold the tool firmly and exert care when the bit begins to break through the workpiece.
- A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool may back out abruptly if you do not hold it firmly.
- Always secure small workpieces in a vise or similar hold-down device.

MAINTENANCE

CAUTION:

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



1. Vent holes

Cleaning vent holes

The tool and its air vents have to be kept clean. Regularly clean the tool's air vents or whenever the vents start to become obstructed.

To maintain product **SAFETY** and **RELIABILITY**, repairs, carbon brush inspection and replacement, 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. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita service center.

- Drill bits
- Hammer drill bits
- Hole saws
- Blow-out bulb
- Safety goggles
- Chuck key
- Grip assembly
- Depth gauge
- Plastic carrying case

Memo

[illegible]

Cut



First-Class
Postage
Required

Post Office will
not deliver
without proper
postage.

Makita U.S.A., Inc.
14930 Northam Street
La Mirada, CA 90638-5753



Fold

MAIL THIS PORTION

Your answers to the following questions are appreciated.

1. This product was purchased from:

☐ Home Center

☐ Hardware/Lumber Store

☐ Tool Distributor

☐ Industrial Supply

☐ Construction Supply

☐ Other ()

3. How did you learn about this product:

☐ Magazine

☐ From Dealer

☐ Newspaper

☐ Store Display

☐ Catalog

☐ Radio

☐ Exhibition

☐ From Friend

☐ Previous Usage

☐ Other ()

2. Use of the product is intended for:

☐ Construction Trade

☐ Industrial Maintenance

☐ Home Maintenance

☐ Hobby

☐ Other ()

4. Most favored points are:

☐ Design

☐ Features

☐ Size

☐ Price

☐ Makita Brand

☐ Repair Service

☐ Durability

☐ Power

☐ Other ()

5. Any comments:

DATE PURCHASED												MODEL NO.																	
MONTH				DAY				YEAR				SERIAL NO.																	
INTL.		LAST NAME / COMPANY NAME														STATUS Married Single				SEX M F									
STREET ADDRESS																													
CITY																													
STATE												ZIP CODE						PHONE				AREA CODE							
AGE:		☐ Under 19		☐ 20-29		☐ 30-39		☐ 40-49		☐ 50-60		☐ Over 60																	

BE SURE TO COMPLETE THE CUSTOMER'S PORTION OF THIS FORM AND RETAIN FOR YOUR RECORDS.

Please return this portion by facsimile or mail.

Facsimile No: (714) 522-8133

FACTORY SERVICE CENTERS

1-800-4-MAKITA

RETAIN THIS PORTION FOR YOUR RECORDS

ARIZONA 3707 E. Broadway Rd., Ste. 6 Phoenix, AZ 85040 (602) 437-2850	FLORIDA 750 East Sample Road Pompano Beach, FL 33064 (954) 476-6333	MISSOURI 9876 Watson Road St. Louis, MO 63126-2221 (314) 909-9889	PENNSYLVANIA 1704 Babcock Blvd. Pittsburgh, PA 1509 (412) 822-8770
CALIFORNIA 41850 Christy St. Fremont, CA 94538-5107 (510) 657-9881 14930 Northam St. La Mirada, CA 90638-5753 (714) 522-8088 1970 Fulton Avenue Sacramento, CA 95825 (916) 482-5197 7674 Clairemont Mesa Blvd. San Diego, CA 92111 (858) 278-4471 16735 Saticoy St., Ste. 105 Van Nuys, CA 91406 (818) 782-2440	GEORGIA 4680 River Green Parkway NW Duluth, GA 30096 (770) 476-8911 ILLINOIS 1450 Feehanville Dr. Mt. Prospect, IL 60056-6011 (847) 297-3100 MARYLAND 7397 Washington Boulevard, Suite 104 Elkridge, MD 21075 (410) 796-4401 MASSACHUSETTS 232 Providence Hwy. Westwood, MA 02090 (781) 461-9754 MINNESOTA 6427 Penn Ave. South Richfield, MN 55423 (612) 869-5199	NEBRASKA 4129 S. 84th St. Omaha, NE 68127 (402) 597-2925 NEVADA 3375 S. Decatur Blvd. Suites. 22 - 24 Las Vegas, NV 89102 (702) 368-4277 NEW JERSEY 251 Herrod Blvd. Dayton, NJ 08810-1539 (609) 655-1212 NEW YORK 4917 Genessee Street Cheektowaga, NY 14225 (716) 685-9503 OREGON 828 19th Avenue, N.W. Portland, OR 97209 (503) 222-1823	PUERTO RICO 200 Guayama St. Hato Rey, PR 00917 (787) 250-8776 TENNESSEE 1120 Elm Hill P. Suile 170 Nashville, TN 372 (615) 248-3321 TEXAS 12801 Stemmons Fwy Ste. 809 Farmers Branch, TX 75234 (972) 243-1150 12701 Directors Dr. Stafford, TX 77477-3701 (281) 565-8665 3453 IH-35 North, Ste. 101 San Antonio, TX 78219 (210) 228-0676 WISCONSIN Lincoln Plaza Shopping Ctr. 2245 S. 108th St. West Allis, WI 53227 (414) 541-4776

CUSTOMER'S RECORD

When you need service: Send complete tool (prepaid) to one of the Makita Factory Service Centers listed, or to an Authorized Makita Service Center. Be sure to attach a letter to the outside of the carton detailing the problem with your tool.	Date Purchased
	Dealer's Name & Address
	Model No.
	Serial No.

WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the 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 that are specially designed to filter out microscopic particles.

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.

Makita Corporation

Anjo, Aichi, Japan

Made in China

Nan Zi Road, Kunshan Export Processing Zone Jiangsu, P.R. China