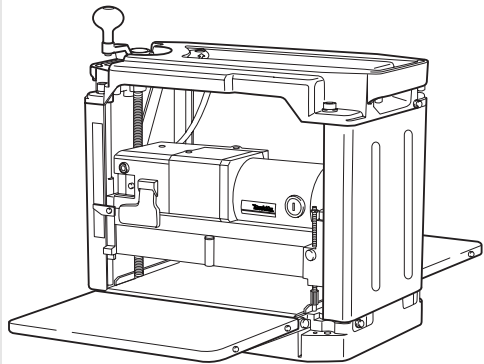




Planer

MODEL 2012NB



003706



DOUBLE
INSULATION

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.

www.makitatools.com

SPECIFICATIONS

Model	2012NB
Cutting width	304 mm (12")
Max. cutting depth	3.0 mm (1/8") of stock width less than 150 mm (5-7/8") 1.5 mm (1/16") of stock width from 150 mm (5-7/8") to 240 mm (9-1/2") 1.0 mm (3/64") of stock width from 240 mm (9-1/2") to 304 mm (12")
Feed rate /min	8.5 m (27.9 ft.) /min.
Table size (W x L)	304 mm x 771 mm (12" x 30-3/8")
No load speed (RPM)	8,500 /min.
Dimensions (W x L x H)	483 mm x 771 mm x 401 mm (19-1/64" x 30-3/8" x 15-25/32")
Net weight	27 kg (59.5 lbs)

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

For Your Own Safety Read Instruction Manual Before Operating Tool

Save it for future reference

GENERAL SAFETY PRECAUTIONS

USA007-1

(For All Tools)

1. **KNOW YOUR POWER TOOL.** Read the owner's manual carefully. Learn the tool's applications and limitations, as well as the specific potential hazards peculiar to it.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted. Don't use tool in presence of flammable liquids or gases.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.

-
7. **MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
 8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
 9. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
 10. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
 11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
 12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
 13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
 14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
 15. **DISCONNECT TOOLS** before servicing; when changing accessories such as blades, bits, cutters, and the like.
 16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
 17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
 18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
 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.
 20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
 21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
 22. **REPLACEMENT PARTS.** When servicing use only identical replacement parts.
 23. **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.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user - as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL.** Using a power source with voltage less than the nameplate rating is harmful to the motor.

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	

ADDITIONAL SAFETY RULES

USB077-1

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

1. Wear eye protection.

2. Make sure that all covers are installed in place before operation.

3. Handle the blades very carefully.

4. Check the blades carefully for cracks or damage before operation. Replace cracked or damaged blades immediately.

5. Tighten the planer blade installation bolts securely.

6. Remove nails and clean the workpiece before cutting. Nail, sand or foreign matter can cause blade damage.

7. Do not wear gloves during operation.
8. Do not remove chips from the chip chute when the motor is running. Clean out chips after the blades come to a complete stop. Always use a stick etc. when cleaning them out.

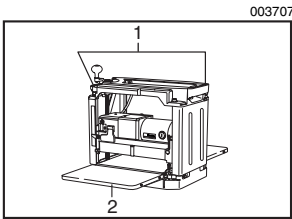
9. Do not leave the tool running.

10. Do not abuse cord. Never yank cord to disconnect it from receptacle. Keep cord away from heat, oil water and sharp edges.

SAVE THESE INSTRUCTIONS

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

INSTALLATION



1. Carrying handle
2. Sub-table

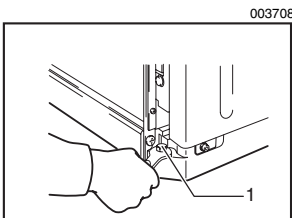
Movement and transport of planer

⚠ CAUTION:

- Watch your step when moving the tool.

Fold the sub-tables. Grasp the carrying handles when moving the tool.

When transporting it by vehicle, secure with a rope or other substantial means to prevent tipping or movement.



1. Bolt or screw

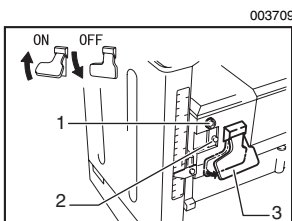
Positioning the planer

Locate the tool in a well lit and level place where you can maintain good footing and balance. Bolt/screw it to the workbench or planer stand (optional accessory) using the bolt holes provided in the base.

FUNCTIONAL DESCRIPTION

⚠ CAUTION:

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



1. Pilot lamp
2. Key
3. Switch lever

Switch action

⚠ CAUTION:

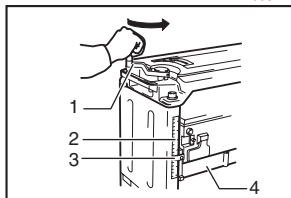
- Before plugging in the tool, always be sure that the tool is switched off. The pilot lamp lights up when the tool is plugged into the power source.

To start the tool, insert the key and raise the switch lever. To stop it, lower the switch lever.

⚠ CAUTION:

- When not using the tool, remove the key and store it in a secure place. This prevents unauthorized operation.

003710



1. Crank handle
2. Scale
3. Indicator plate
4. Main frame

Dimensional adjustment

Lower the main frame by turning the crank handle counter-clockwise until the indicator plate points to the scale graduation indicating the desired finished dimension. One full turn of the crank handle moves the main frame 2 mm ($3/32$ ") up or down. The scale has inch graduations on its right side and metric graduations on its left side.

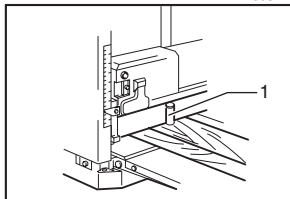
Adjusting depth of cut

The maximum depth of cut differs depending upon the width of workpiece being cut. Refer to the table. When you need to remove more than the amount specified in the table, set the depth of cut shallower than the amount and make two or more passes.

003711

Width of workpiece being cut	Maximum depth of cut
Less than 150 mm (5-7/8")	3.0 mm (1/8")
150 mm (5-7/8") - 240 mm (9-1/2")	1.5 mm (1/16")
240 mm (9-1/2") - 304 mm (12")	1.0 mm (3/64")

003712



1. Depth gauge

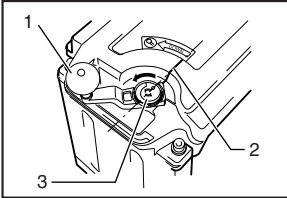
To adjust the depth of cut, proceed as follows.

Insert the workpiece flat on the table top. Lower the main frame by turning the crank handle counterclockwise. The depth gauge will rise and the amount of gauge rise indicates the depth of cut.

CAUTION:

- Always lower the main frame when aligning the indicator plate with the graduation indicating the desired finished dimension. If you raise the main frame into the desired finished dimension, additional play in the screw may result. This may cause an undesired finished dimension.
- Always place the workpiece flat on the table top when predetermining the depth of cut. Otherwise, the predetermined depth of cut will differ from actual depth of cut.

003713



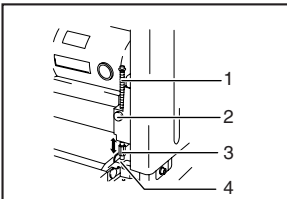
1. Crank handle
2. Groove
3. Depth adjusting gauge

Depth adjusting gauge

Use the depth adjusting gauge when you need to predetermine the depth of cut more accurately. To do so, proceed as follows.

1. First, plane the workpiece at the predetermined depth of cut. Measure the thickness of the planed piece to know how much more stock you need to remove.
2. Turn the depth adjusting gauge on the crank handle until the 0 graduation is aligned with the groove on the tool.
3. Now turn the crank handle counterclockwise until the graduation for the desired depth of cut is aligned with the groove on the tool.
4. When you need to remove more than the amount specified in the table mentioned in the "Adjusting depth of cut" section, set the depth of cut shallower than the amount and make two or more passes.

003714



1. Stopper
2. Stopper button
3. Stopper knob
4. Table top

Stopper

Use the stopper when you need to plane many workpieces to the same thickness. To do so, proceed as follows.

1. Turn the crank handle until the indicator plate points to the scale graduation indicating the desired finished dimension.
2. Depress the stopper button and lower the stopper until it just contacts the table top.
3. If you need fine adjustment of the stopper, turn the stopper knob.

CAUTION:

- When the stopper is not in use, always raise it to the topmost position. Never force the crank handle when the stopper is in contact with the table top. This may cause tool damage.

ASSEMBLY

CAUTION:

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

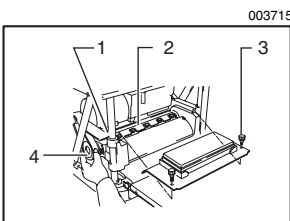
Replacing planer blades

CAUTION:

- Handle the blades very carefully when removing or installing the blades to prevent cuts or injury from the blades and to prevent damage to the blades. They are razor-sharp.
- Clean out all chips, dust, pitch or foreign matter adhering to the drum or blades before installing the blades.
- Use blades of the same dimensions and weight, or drum oscillation/vibration will result, causing poor cutting action and eventually, tool breakdown.
- Replace both blades at the same time.
- The disposable-type blade has a cutting edge on both sides. When one cutting edge becomes dull, you can use the other cutting edge. Always remove resin and dirt sticking to the reverse side of the blade before using the other cutting edge. This blade must not be re-sharpened. When both cutting edges become dull, the blade should be carefully thrown away.

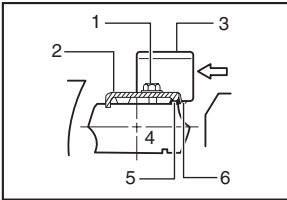
1. Removing blades

Loosen the thumb screw which secures the chip cover and remove the chip cover. Remove the screws which secure the right side cover. Then remove the right side cover. Turn the pulley until the drum can be locked in the position whereby the blade installation bolts face upward.



1. Lock plate
2. Drum
3. Thumb screw
4. Pulley

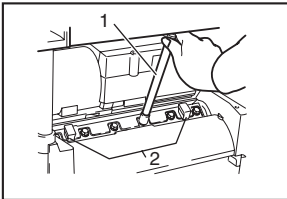
003716



1. Blade installation bolts
2. Set plate
3. Magnetic holder
4. Drum
5. Blade
6. Claw

Place the two magnetic holders on the set plate and push them in the direction of the arrow until the claw contact the blade. Remove the six blade installation bolts using the socket wrench. Grip the magnetic holders and raise them straight up to remove the set plate and the blade from the drum. Press the lock plate and turn the pulley 180° to lock the drum. Remove the other blade as described above.

003717



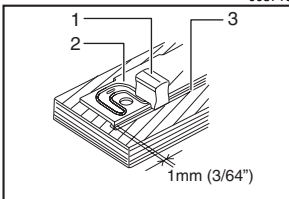
1. Socket wrench
2. Magnetic holders

2. Installing blades

⚠ CAUTION:

- Use only Makita socket wrench provided to tighten the blade installation bolts. The use of any other socket wrench may cause overtightening or insufficient tightening of the bolts, resulting in severe injury.

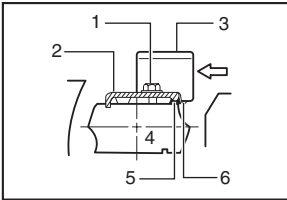
003718



1. Magnetic holder
2. Set plate
3. Blade

Provide a flat wood block approximately 300 mm (11-13/16") long and 100 mm (3-15/16") wide. Place the blade and the set plate on the wood block so that the blade locating lug of the set plate rests in the groove of the blade. Adjust the set plate so that both ends of the blade protrude approximately 1 mm (3/64") beyond the end of the set plate. Place the two magnetic holders on the set plate and push them until the claw contacts the blade.

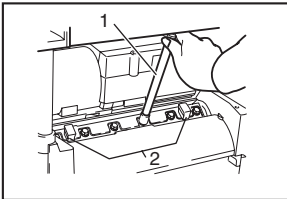
003716



1. Blade installation bolts
2. Set plate
3. Magnetic holder
4. Drum
5. Blade
6. Claw

Grip the magnetic holder and slip the heel of the set plate into the groove in the drum. Install the blade installation bolts.

003717



1. Socket wrench
2. Magnetic holders

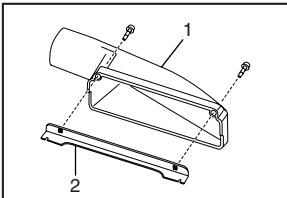
After tightening all the blade installation bolts lightly and evenly from the center to the outside, tighten them completely following the same sequence. Remove the magnetic holders from the set plate.

Install the other blade as described above. Rotate the drum slowly while pressing the lock plate to make sure there is nothing abnormal. Then install the chip cover and the side cover.

⚠ CAUTION:

- Do not tighten the blade installation bolts without the blade locating lug of the set plate correctly resting in the groove of the blade. This may cause damage to the blade and potential injury to the operator.
- Do not turn the tool on with the chip cover removed.

003722



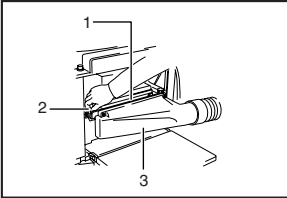
1. Hood
2. Hood holder

Hood set (optional accessory)

When you wish to maintain clean operations through easy dust collection, connect the vacuum cleaner to the planer using this hood.

Attach the hood holder to the hood and secure with the screws.

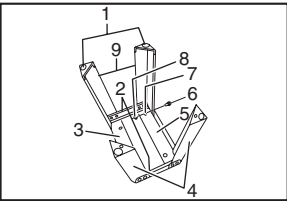
003723



1. Chip cover
2. Thumb screw
3. Hood

Loosen the thumb screws which secure the chip cover. Attach the hood to the planer and secure the chip cover and the hood together by tightening the thumb screws.

003719

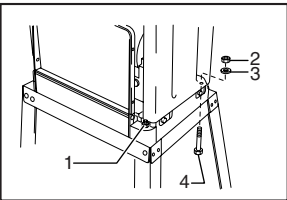


1. Rubber cap
2. Stay (B)
3. Stay (A)
4. Leg
5. Stay (A)
6. Cap square neck bolt
7. Spring washer
8. Hex nut
9. Leg

Planer stand (optional accessory)

Place the stays on a level location and assemble the legs inside. Secure with the cap square neck bolts, spring washers and hex nuts, then attach the rubber caps to the ends of the legs.

003720



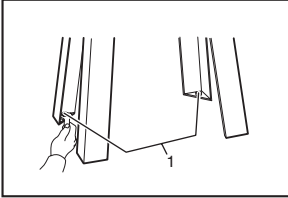
1. Hex bolt
2. Hex nut
3. Flat washer
4. Hex bolt

Now set the planer on the top of the assembled stand and secure with the four hex bolts, flat washers and hex nuts.

NOTE:

- Insert the hex bolts through the holes from the reverse side of the stand and secure them with the flat washers and hex nuts. If you insert the hex bolts from above the planer base, the hex bolts cannot be firmly secured.

003721

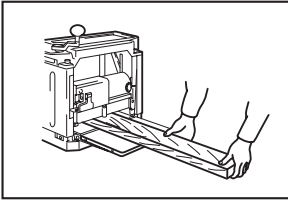


1. Bolt

The planer stand should be bolted with the four bolts to the floor using the bolt holes provided in the legs.

OPERATION

003724



⚠ CAUTION:

- Two or more pieces of narrow but similar thickness stock can be passed through the planer side by side. However, allow some spacing between the stock to permit the feed rollers to grip the thinnest piece of stock. Otherwise, a slightly thinner piece could be kicked back by the cutterhead.

Place the workpiece flat on the table top.

Determine the depth of cut as described before.

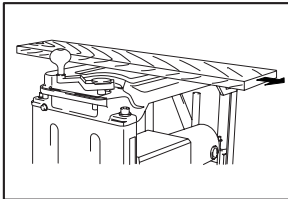
Switch on the tool and wait until the blades attain full speed. The workpiece should not be in contact with the feed roller when you turn the tool on.

Then insert the workpiece flush with the table top.

When cutting a long or heavy workpiece, lift up its end slightly at the start and the end of the cut to avoid gouging or snipping at the extreme ends of the workpiece.

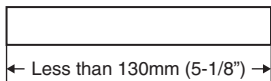
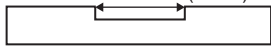
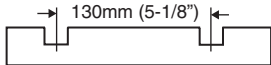
The use of the tool top enables quick, effortless return of the workpiece to the infeed table side. This is especially convenient with two operators.

003725



⚠ CAUTION:

- The workpiece with the following dimensions cannot be fed into the tool because the interval between two feed rollers is 129 mm (5-1/16"). Do not try to cut them.

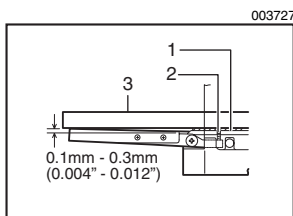
1		Less than 130 mm (5-1/8") long
2		Having a groove more than 130mm (5-1/8") wide
3		Having grooves at intervals of 130 mm (5-1/8") wide

- Stop the tool when the workpiece has stalled. Allowing the tool to run with a stalled workpiece causes rapid wearing of the feed rollers.

MAINTENANCE

⚠ CAUTION:

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

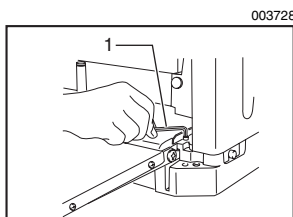


1. Post card
2. Adjusting screw
3. Ruler

Adjusting height of sub-table

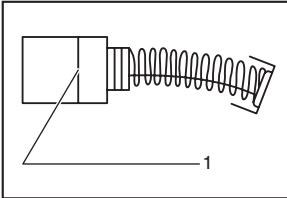
The height of sub-table is factory-adjusted. If further adjustment is necessary, proceed as follows.

Place a postcard on the table and also place a ruler on the postcard. Turn the adjusting screw with the hex wrench until the end of the sub-table contacts the ruler. Now the end of the sub-table is from 0.1 mm to 0.3 mm (0.004" - 0.012") above the table surface.



1. Hex wrench

001145

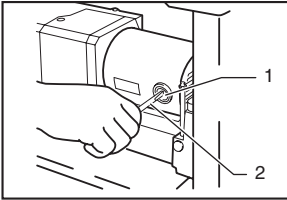


1. Limit mark

Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

003729



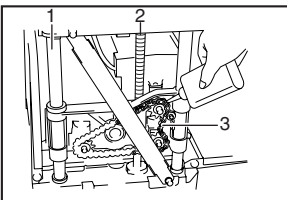
1. Brush holder cap
2. Screwdriver

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

Keeping planer blades sharp

Dull blades can cause rough finish, an overload of the motor and dangerous kickback of the workpiece. Replace dull blades immediately.

003730



1. Column
2. Screw
3. Chain

Lubrication

Oil the chain (after removing the side cover R), the four columns and the screws for elevating the main frame. This periodic lubrication should be performed with machine oil.

⚠ CAUTION:

- Oiling and all maintenance should be done with the tool turned off and unplugged.

Cleaning

Always brush off dirt, chips and foreign matter adhering to the roller surfaces, motor vents and drums.

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. 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.

- Planer blade
- Planer stand
- Magnetic holder
- Socket wrench
- Hex wrench
- Hood set

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 15209 (412) 822-7370
CALIFORNIA 41850 Christy St. Fremont, CA 94538-5107 (510) 657-9881	GEORGIA 4680 River Green Parkway NW Duluth, GA 30096 (770) 476-8911	NEBRASKA 4129 S. 84th St. Omaha, NE 68127 (402) 597-2925	PUERTO RICO 200 Guayama St. Hato Rey, PR 00917 (787) 250-8776
14930 Northam St. La Mirada, CA 90638-5753 (714) 522-8088	ILLINOIS 1450 Feehanville Dr. Mt. Prospect, IL 60056-6011 (847) 297-3100	NEVADA 3375 S. Decatur Blvd. Suites. 22 - 24 Las Vegas, NV 89102 (702) 368-4277	TENNESSEE 1120 Elm Hill P. Suile 170 Nashville, TN 372 (615) 248-3321
1970 Fulton Avenue Sacramento, CA 95825 (916) 482-5197	MARYLAND 7397 Washington Boulevard, Suite 104 Elkridge, MD 21075 (410) 796-4401	NEW JERSEY 251 Herrod Blvd. Dayton, NJ 08810-1539 (609) 655-1212	TEXAS 12801 Stemmons Fwy Ste. 809 Farmers Branch, TX 75234 (972) 243-1150
16735 Saticoy St., Ste. 105 Van Nuys, CA 91406 (818) 782-2440	MASSACHUSETTS 232 Providence Hwy. Westwood, MA 02090 (781) 461-9754	NEW YORK 4917 Genessee Street Cheektowaga, NY 14225 (716) 685-9503	12701 Directors Dr. Stafford, TX 77477-3701 (281) 565-8665
COLORADO 11839 E. 51st Ave. Denver, CO 80239-2709 (303) 371-2850	MINNESOTA 6427 Penn Ave. South Richfield, MN 55423 (612) 869-5199	OREGON 828 19th Avenue, N.W. Portland, OR 97209 (503) 222-1823	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

Huangpu Jiang Road, Kunshan Economic & Technical Development Zone, Jiangsu P.R. China