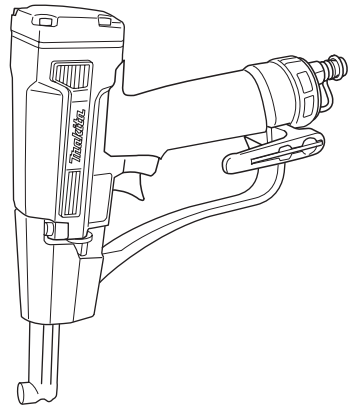




# Air Nailer

MODEL AG090

MODEL AG125



## 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](http://www.makitatools.com)

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# SPECIFICATIONS

Model	Air pressure	Nail length	Diameter of nail head	Overall length	Min. hose diameter	Net weight
AG090	4.5 - 8.5 kgf/cm <sup>2</sup> G (65 - 120 PSIG)	32 - 90 mm (1-1/4" - 3-1/2")	7.5 - 11.0 mm (0.295" - 0.433")	260 mm (10-1/4")	6.5 mm (1/4")	1.3 kg (2.9 lbs)
AG125		75 - 125 mm (3" - 5")				

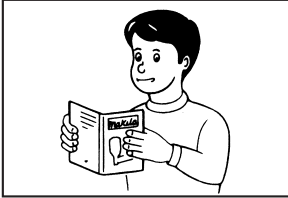
- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

---

# IMPORTANT SAFETY INSTRUCTIONS

**⚠ WARNING:**  
WHEN USING THIS TOOL, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF PERSONAL INJURY, INCLUDING THE FOLLOWING:

# READ ALL INSTRUCTIONS.



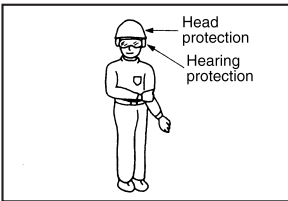
For personal safety and proper operation and maintenance of the tool, read this instruction manual carefully before using the tool.



Always wear safety glasses to protect your eyes from dust or nail injury. The safety glasses should conform with the requirements of ANSI Z87.1 - 1979.

**⚠ WARNING:**

- It is an employer's responsibility to enforce the use of safety eye protection equipment by the tool operators and by other persons in the immediate working area.



Wear hearing protection to protect your ears against exhaust noise and head protection. Also wear light but not loose clothing. Sleeves should be buttoned or rolled up. No necktie should be worn.

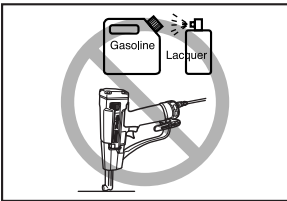
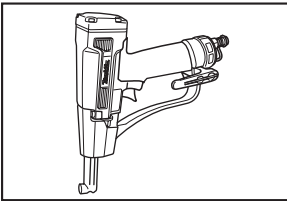


Rushing the job or forcing the tool is dangerous. Handle the tool carefully. Do not operate when under the influence of alcohol, drugs or the like.

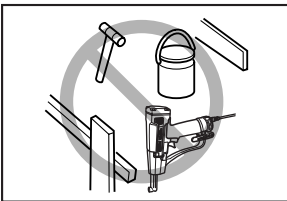
### General Tool Handling Guidelines:

1. Always assume that the tool contains fasteners.
2. Do not point the tool toward yourself or anyone whether it contains fasteners or not.
3. Do not actuate the tool unless the tool is placed firmly against the workpiece.
4. Respect the tool as a working implement.
5. No horseplay.
6. Do not hold or carry the tool with a finger on the trigger.
7. Do not load the tool with fasteners when any one of the operating controls is activated.
8. Do not operate the tool with any power source other than that specified in the tool operating/safety instructions.

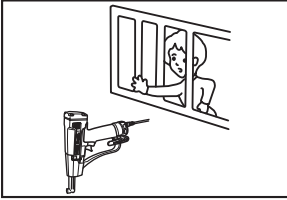
An improperly functioning tool must not be used.



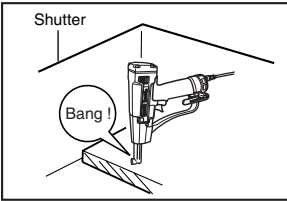
Sparks sometimes fly when the tool is used. Do not use the tool near volatile, flammable materials such as gasoline, thinner, paint, gas, adhesives, etc.: they will ignite and explode, causing serious injury.



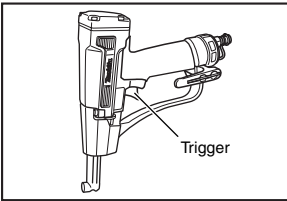
The area should be sufficiently illuminated to assure safe operations. The area should be clear and litter-free. Be especially careful to maintain good footing and balance.



Only those involved in the work should be in the vicinity. Children especially must be kept away at all times.

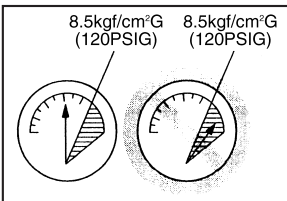


There may be local regulations concerning noise which must be complied with by keeping noise levels within prescribed limits. In certain cases, shutters should be used to contain noise.

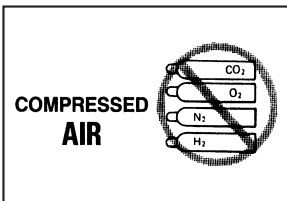


Securing the trigger in the ON position is also very dangerous. Never attempt to fasten the trigger.

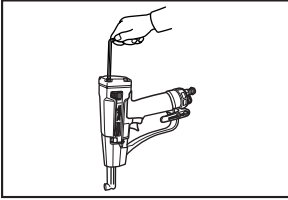
Do not operate a tool if any portion of the tool operating controls is inoperable, disconnected, altered, or not working properly.



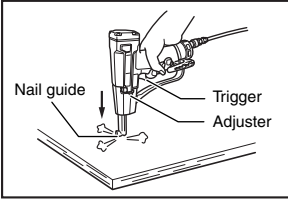
Operate the tool within the specified air pressure of 4.5 - 8.5 kgf/cm<sup>2</sup>G (65 - 120 PSIG) for safety and longer tool life. Do not exceed the recommended max. operating pressure of 8.5 kgf/cm<sup>2</sup>G (120 PSIG). The tool should not be connected to a source whose pressure potentially exceeds 14.0 kgf/cm<sup>2</sup>G (200 PSIG).



Never use the tool with other than compressed air. If bottled gas (carbon dioxide, oxygen, nitrogen, hydrogen, air, etc.) or combustible gas (hydrogen, propane, acetylene, etc.) is used as a power source for this tool, the tool will explode and cause serious injury.

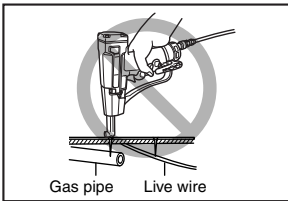


Always check the tool for its overall condition and loose screws before operation. Tighten as required.

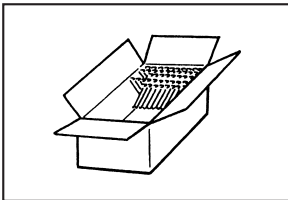


Make sure the safety system is in working order before operation. The tool must not operate if only the nail guide is pressed against the wood.

Test for possible faulty operation with nails unloaded and the adjuster set to the number 1.



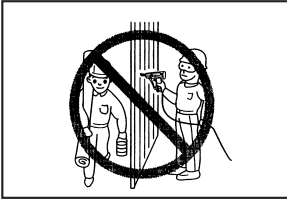
Check walls, ceilings, floors, roofing and the like carefully to avoid possible electrical shock, gas leakage, explosions, etc. caused by striking live wires, conduits or gas pipes.



Use only nails specified in this manual. The use of any other nails may cause malfunction of the tool.



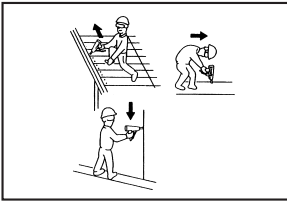
Do not permit those uninstructed to use the tool.



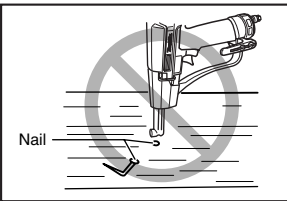
Make sure no one is nearby before nailing. Never attempt to nail from both the inside and outside at the same time. Nails may rip through and /or fly off, presenting a grave danger.



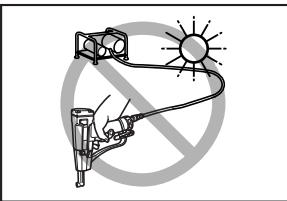
Watch your footing and maintain your balance with the tool. Make sure there is no one below when working in high locations, and secure the air hose to prevent danger if there is sudden jerking or catching.



On rooftops and other high locations, nail as you move forward. It is easy to lose your footing if you nail while inching backward. When nailing against perpendicular surface, nail from the top to the bottom. You can perform nailing operations with less fatigue by doing so.



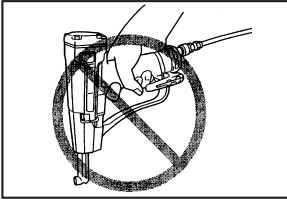
A nail will be bent or the tool can become jammed if you mistakenly nail on top of another nail or strike a knot in the wood. The nail may be thrown and hit someone, or the tool itself can react dangerously. Place the nails with care.



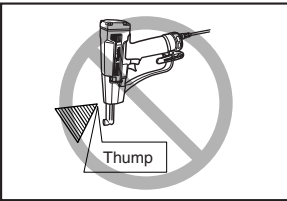
Do not leave the loaded tool or the air compressor under pressure for a long time out in the sun. Be sure that dust, sand, chips and foreign matter will not enter the tool in the place where you leave it setting.



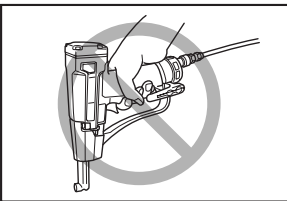
DO not point the ejection port at anyone in the vicinity. Keep hands and feet away from the ejection port area.



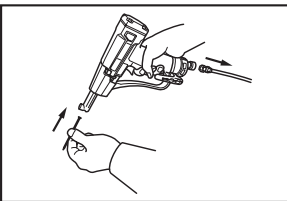
When the air hose is connected, do not carry the tool with your finger on the trigger or hand it to someone in this condition. Accidental firing can be extremely dangerous.



Handle the tool carefully as there is high pressure inside the tool that can be dangerous if a crack is caused by rough handling (dropping or striking). Do not attempt to carve or engrave on the tool.



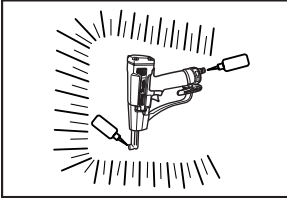
Stop nailing operations immediately if you notice something wrong or out of the ordinary with the tool.



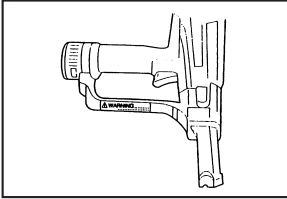
Always disconnect the air hose and remove the nail:

1. When unattended.
2. Before performing any maintenance or repair.
3. Before cleaning a jam.
4. Before moving the tool to a new location.





Perform cleaning and maintenance right after finishing the job. Keep the tool in tip-top condition. Lubricate moving parts to prevent rusting and minimize friction related wear. Wipe off all dust from the parts.



Do not operate this tool if it does not contain a legible WARNING LABEL.



Do not modify tool without authorization from Makita.

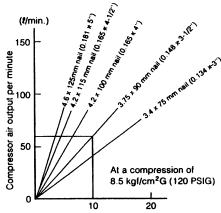
Ask Makita's Factory or Authorized service center for periodical inspection of the tool.

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

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## SAVE THESE INSTRUCTIONS

# TOOL INSTALLATION INSTRUCTIONS AND USE



## Selecting compressor

The air compressor must comply with the requirements of ANSI B19.3 - 1981.

Select a compressor that has ample pressure and air output to assure cost-efficient operation. The graph shows the relation between nailing frequency and compressor air output at a compression of 8.5 kgf/cm<sup>2</sup>G (120 PSIG). Thus, for example, when you drive about 10 nails 3.75 mm x 90 mm (0.148" x 3-1/2") per minute, a compressor with an air output over 50 l/minute is required. Pressure regulators must be used to limit air pressure to the rated pressure of the tool where air supply pressure exceeds the tool's rated pressure. Failure to do so may result in serious injury to tool operator or persons in the vicinity.

### NOTE:

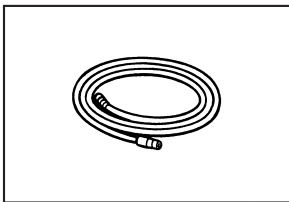
- Nail size indicates diameter x length.

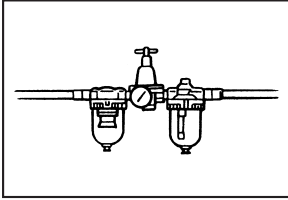
## Selecting air hose

Use an air hose as large and as short as possible to assure continuous, efficient nailing operation. With an air pressure of 5 kgf/cm<sup>2</sup>G (70 PSIG), an air hose with an internal diameter of over 8.5 mm (5/16") and a length of less than 20 m (6.6 ft.) is recommended when the interval between each nailing is 0.5 seconds. Air supply hoses shall have a minimum working pressure rating of 10.7 kgf/cm<sup>2</sup>G (150 PSIG) or 150 percent of the maximum pressure produced in the system whichever is higher.

### ⚠ CAUTION:

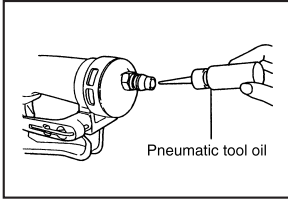
Low air output of the compressor, or a long or smaller diameter air hose in relation to the nailing frequency may cause a decrease in the driving capability of the tool.



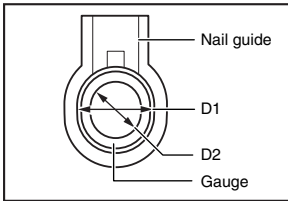


## Lubrication

To insure maximum performance, install an air set (oiler, regulator, air filter) as close as possible to the tool. Adjust the oiler so that one drop of oil will be provided for every 20 nails.



When an air set is not used, oil the tool with pneumatic tool oil by placing 2 (two) or 3 (three) drops into the air fitting. This should be done before and after use. For proper lubrication, the tool must be fired a couple of times after pneumatic tool oil is introduced.



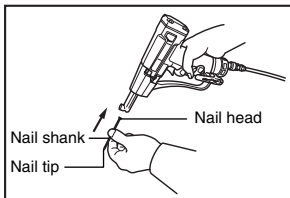
## Selecting nails

### ⚠ CAUTION:

- Do not drive hardened steel nails or stainless steel nails into concrete or steel plate. If you do so, the nailer may be adversely affected.

Always check the size of the nail head with the gauge on the nail guide before loading the nailer. Different size nails may be mixed up in the nails you purchase locally.

Do not use nails with a head size larger than D1 or smaller than D2. Nails with a head size larger than D1 cannot be inserted into the nail guide. Nails with a head size smaller than D2 may move into the contact arm and cannot be driven.

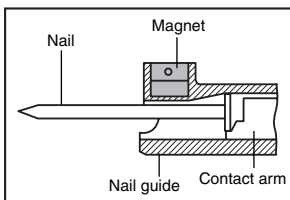


## Loading nailer

### ⚠ CAUTION:

- Be careful not to touch the trigger when loading the nail.
- When loading nail into the nailer, grip the nail by the shank, not the tip.

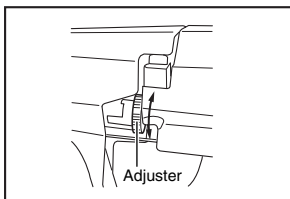
Hold the nail shank lightly and insert the nail head into the nail guide until the nail is held firmly by the magnet.



## Adjusting depth of nailing

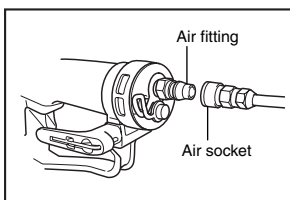
### ⚠ CAUTION:

- Always disconnect the hose before adjusting the depth of nailing.

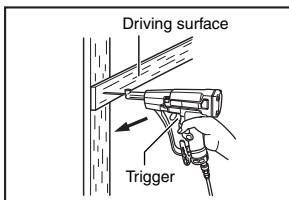


To adjust the depth of nailing, turn the adjuster so that the arrow above the adjuster will point to the number indicated on the adjuster. The depth of nailing is the deepest when the arrow points to the number 1. It will become shallower as the arrow points to higher number. The depth can be changed in approx. 1.5 mm (1/16") increments per graduation. If nails cannot be driven deep enough even when the arrow points to the number 1, increase the air pressure.

## Connecting air hose



Slip the air socket of the air hose onto the air fitting on the nailer. Be sure that the air socket locks firmly into position when installed onto the air fitting. A hose coupling must be installed on or near the tool in such a way that the pressure reservoir will discharge at the time the air supply coupling is disconnected.



## Operation

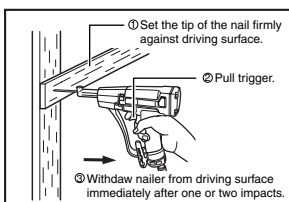
### ⚠ CAUTION:

- Make sure the safety system is in working order before operation.

To start driving, place the tip of the nail against the driving surface and pull the trigger. At the start of driving, apply gentle downward pressure on the nailer in the arrow direction to hold the nail firmly. When the impact of the contact arm stops, the driving operation is over. If the nail is not driven deep enough, place the ejection port of the nailer over the nail head. Press the nailer against the driving surface firmly and pull the trigger to do additional driving of the nail.

### NOTE:

- The nailer will not operate unless you apply sufficient pressure to the contact arm. If this occurs, apply forward pressure to the nailer again while pulling the trigger to start operation.



## Nailing with one or two impacts

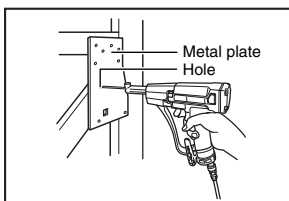
When you need to position a nail or drive a shallow nail:

1. Set the tip of the nail firmly against the driving surface.
2. Pull the trigger.
3. Withdraw the nailer from the driving surface immediately after one or two impacts.

### NOTE:

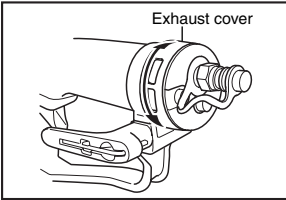
- The impacts will continue as long as you keep the nailer pressed up against the driving surface, even if you release the trigger.

## Nailing in metal plate holes



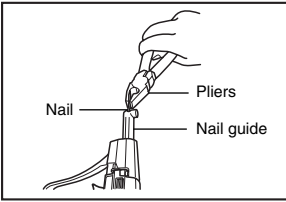
### ⚠ CAUTION:

- Always make sure that the tip of the nail is inserted in the hole in the metal plate before you start nailing.



### Air exhaust

Air exhaust direction can be changed easily by rotating the exhaust cover. Change it when necessary.



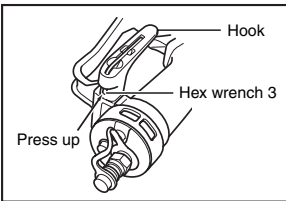
### Jammed nailer

#### ⚠ CAUTION:

- Always disconnect the hose before cleaning a jam.

When the nailer becomes jammed, do as follows:

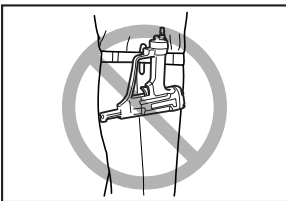
Use pliers to bend the jammed nail so that the nail head comes out of the nail guide. Then remove the jammed nail. After removing the jammed nail, make sure that the nail guide and the contact arm move smoothly.



### Hook

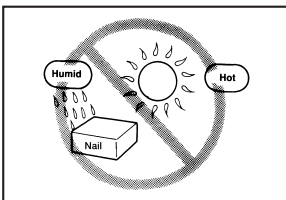
The hook is convenient for hanging the tool temporarily. This hook can be installed on either side of the tool.

To remove the hex wrench 3 from the hook, press up on the end of the hex wrench 3 as shown in the figure.



#### ⚠ CAUTION:

- Always disconnect the hose when hanging the tool using the hook.
- Always tighten the hook securing bolt firmly.
- Never hang the tool on a waist belt or the like. Dangerous accidental firing may result.



### Nails

Avoid storing nails in a very humid or hot place or place exposed to direct sunlight.

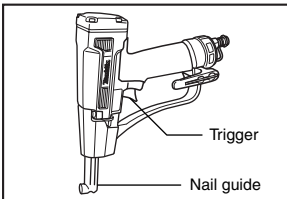
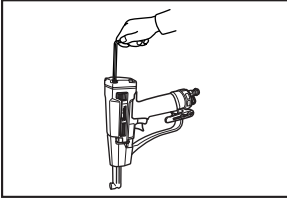
# MAINTENANCE

**⚠ CAUTION:**

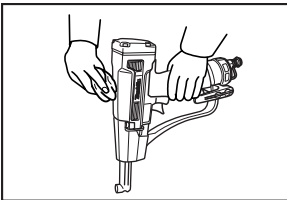
- Always disconnect the hose before attempting to perform inspection or maintenance.

## Maintenance of nailer

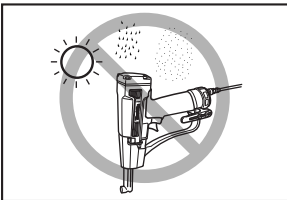
Always check the tool for its overall condition and loose screws before operation. Tighten as required.



With tool disconnected, make daily inspection to assure free movement of the nail guide and trigger. Do not use tool if the nail guide or trigger sticks or binds.

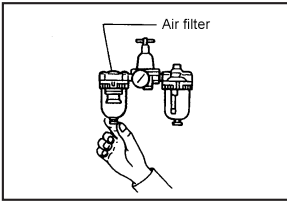
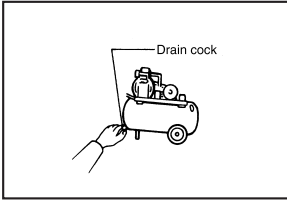


When the tool is not to be used for an extended period of time, lubricate the tool using pneumatic tool oil and store the tool in a safe place. Avoid exposure to direct sunlight and/or a humid or hot environment.

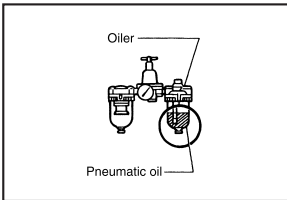


## Maintenance of compressor, air set and air hose

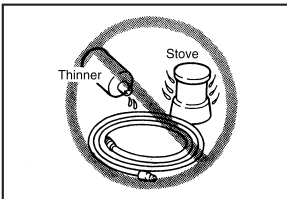
After operation, always drain the compressor tank and the air filter. If moisture is allowed to enter the tool, it may result in poor performance and possible tool failure.



Check regularly to see if there is sufficient pneumatic oil in the oiler of the air set. Failure to maintain sufficient lubrication will cause O-rings to wear quickly.



Keep the air hose away from heat (over 60°C, over 140°F), away from chemicals (thinner, strong acids or alkalis). Also, route the hose away from obstacles which it may become dangerously caught on during operation. Hoses must also be directed away from sharp edges and areas which may lead to damage or abrasion to the hose.



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



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Fold

# MAIL THIS PORTION

Your answers to the following questions are appreciated.

**1. This product was purchased from:**

- Home Center       Other (                    )  
 Hardware/Lumber Store  
 Tool Distributor  
 Industrial Supply  
 Construction Supply

**3. How did you learn about this product:**

- Magazine       Radio  
 From Dealer       Exhibition  
 Newspaper       From Friend  
 Store Display       Previous Usage  
 Catalog       Other (                    )

**2. Use of the product is intended for:**

- Construction Trade  
 Industrial Maintenance  
 Home Maintenance  
 Hobby  
 Other (                    )

**4. Most favored points are:**

- Design       Repair Service  
 Features       Durability  
 Size       Power  
 Price       Other (                    )  
 Makita Brand

**5. Any comments:**

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

## ALABAMA

2365 Pelham Parkway  
Pelham, AL 35124  
(205) 620-1791

## ARIZONA

3707 E. Broadway Rd., Ste. 6  
Phoenix, AZ 85040  
(602) 437-2850

## ARKANSAS

Shackelford Shopping Center  
240 South Shackelford Rd.,  
Ste. C  
Little Rock, AR 72211  
(501) 224-5733

## CALIFORNIA

41850 Christy St.  
Fremont, CA 94538-5107  
(510) 657-9881

1421 N. Clovis Ave., Ste. 112  
Fresno, CA 93727  
(559) 252-5166

14930 Northam St.  
La Mirada, CA 90638-5753  
(714) 522-9089

1970 Fulton Avenue  
Sacramento, CA 95825  
(916) 482-5197

1440 South "E" Street  
San Bernardino, CA 92408  
(909) 885-1289

7674 Clairemont Mesa Blvd.  
San Diego, CA 92111  
(858) 278-4471

1714 E. McFadden Ave., Unit M  
Santa Ana, CA 92705  
(714) 667-5066

1565 Winchester B.  
Campbell, CA 95008-0501  
(408) 379-0377

16735 Satcoy St., Ste. 105  
Van Nuys, CA 91406  
(818) 782-2440

## COLORADO

11839 E. 51st Ave.  
Denver, CO 80239-2709  
(303) 371-2850

## CONNECTICUT

508 Spring St.  
Windsor Locks, CT 06096  
(860) 292-6405

## FLORIDA

620 Douglas Ave. Suite 1302  
Altamonte Springs, FL 32714  
(407) 774-6000

750 East Sample Road  
Pompano Beach, FL 33064  
(954) 781-6333

Thompson Center Waters  
5501 W. Waters Ave., Ste. 406  
Tampa, FL 33634  
(813) 886-8292

## GEORGIA

4680 River Green Parkway  
Duluth, GA 30096-2566  
(770) 476-8911

## HAWAII

4510 Salt Lake Blvd., Suite A7  
Honolulu, HI 96818  
(808) 847-0038

## ILLINOIS

1450 Feehanville Dr.  
Mt. Prospect, IL 60056-6011  
(847) 297-3100

## INDIANA

8403 Michigan Road, Unit 1  
Indianapolis, IN 46268  
(317) 334-9980

## KANSAS

8819 W. 95th St.  
Overland Park, KS 66212  
(913) 642-1111

## KENTUCKY

1215 S. Hurstbourne Parkway  
Louisville, KY 40222  
(502) 326-3740

## LOUISIANA

5626 Jefferson Hwy.  
Harahan, LA 70123  
(504) 733-4138

## MARYLAND

7541 - 45 Ritchie Highway  
Glen Burnie, MD 21061  
(410) 590-0160

## MASSACHUSETTS

232 Providence Hwy.  
Westwood, MA 02090  
(617) 461-9754

## MICHIGAN

37454 Ann Arbor Trail  
Livonia, MI 48150  
(313) 432-1012

## MINNESOTA

6427 Penn Ave. South  
Richfield, MN 55423  
(612) 869-5199

## MISSOURI

9876 Watson Road  
St. Louis, MO 63126-2221  
(314) 909-9889

## NEBRASKA

4129 S. 84th St.  
Omaha, NE 68127  
(402) 597-2925

## NEVADA

3375 S. Decatur Blvd.  
Suite 22 - 24  
Las Vegas, NV 89102  
(702) 368-4277

## NEW JERSEY

251 Herrod Blvd.  
Dayton, NJ 08810-1539  
(609) 655-1212

## NEW MEXICO

5805 Menaul Blvd. NE  
Albuquerque, NM 87110  
(505) 881-4619

## NEW YORK

4917 Genessee Street  
Cheektowaga, NY 14225  
(716) 685-9503

131-35 31st Ave.  
Flushing, NY 11354  
(718) 866-0971

## NORTH CAROLINA

3501-G S. Tryon St.  
Charlotte, NC 28217  
(704) 527-0611

## OHIO

6253 E. Main St.  
Columbus, OH 43213  
(614) 860-0222

6379 Pearl Road  
Parma Heights, OH 44130  
(440) 843-7555

1617 E. Kemper Rd.  
Sharonville, OH 45246  
(513) 771-0788

## OKLAHOMA

552 E. Memorial Road  
Oklahoma City, OK 73114  
(405) 275-2655

## OREGON

828 19th Avenue, N.W.  
Portland, OR 97209  
(503) 222-1823

## PENNSYLVANIA

Springwater Plaza  
364 Wilmington W. Chester  
Pike  
Glen Mills, PA 19342  
(610) 459-4122

6200 Babcock Blvd  
Pittsburgh, PA 15237  
(412) 366-6363

## PUERTO RICO

200 Guayama St.  
Hato Rey, PR 00917  
(787) 250-8776

## TENNESSEE

4655 Nolensville Rd.  
Nashville, TN 37211  
(615) 331-9922

## TEXAS

4655 Nolensville Rd.  
Farmers Branch, TX 75234  
(972) 243-1150

12701 Directors Dr.  
Stafford, TX 77477-3701  
(281) 955-8665

3453 IH-35 North, Ste. 101  
San Antonio, TX 78219  
(210) 228-0676

## UTAH

145 E. 1300 S., Ste. 101  
Salt Lake City, UT 84115  
(801) 359-3410

## VIRGINIA

5760 Northampton Blvd., Ste.  
102  
Virginia Beach, VA 23455  
(757) 460-0280

## WASHINGTON

22220 84th Ave. So., Bldg. A  
Kent, WA 98032  
(253) 395-8055

## WISCONSIN

Lincoln Plaza Shopping Ctr.  
2245 S. 108th St. West Allis, WI  
53227  
(414) 541-4776

## CUSTOMER'S RECORD

<p><b>When you need service:</b> 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.</p>	Date Purchased
	Dealer's Name & Address
	Model No.
	Serial No.

# 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**  
3-11-8, Sumiyoshi-cho,  
Anjo, Aichi 446-8502 Japan