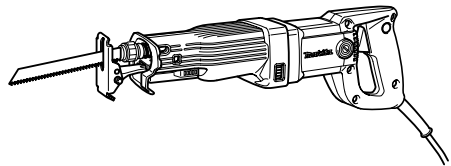




# Recipro Saw

MODEL JR3030  
MODEL JR3030T



## 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.

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## SPECIFICATIONS

Model	JR3030	JR3030T
Length of stroke	28 mm (1-3/32")	28 mm (1-3/32")
Strokes per minute	0 - 2,600/min	0 - 2,600/min
Overall length	438 mm (17-1/4")	460 mm (18-1/8")
Net weight	3.5 kg (7.7 lbs)	3.5 kg (7.7 lbs)

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

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## 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.


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## 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.

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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

USB012-2

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

- 1. Hold tool 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 use safety glasses or goggles. Ordinary eye or sun glasses are NOT safety glasses.**
- 3. Avoid cutting nails. Inspect workpiece for any nails and remove them before operation.**
- 4. Do not cut oversize workpiece.**
- 5. Check for the proper clearance beyond the workpiece before cutting so that the blade will not strike the floor, workbench, etc.**
- 6. Hold the tool firmly.**
- 7. Make sure the blade is not contacting the workpiece before the switch is turned on.**

- 
8. Keep hands away from moving parts.
  9. Do not leave the tool running. Operate the tool only when hand-held.
  10. Always switch off and wait for the blade to come to a complete stop before removing the blade from the workpiece.
  11. Do not touch the blade or the workpiece immediately after operation; they may be extremely hot and could burn your skin.
  12. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

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## SAVE THESE INSTRUCTIONS

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

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## SYMBOLS


USD201-2

The followings show the symbols used for tool.

**V** ..... volts


$n_0$  ..... no load speed

**A** ..... amperes

 ..... Class II Construction

**Hz** ..... hertz

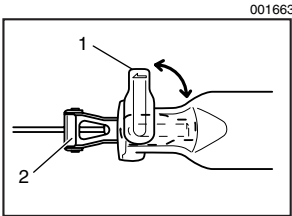
$\dots$ /min ..... revolutions or reciprocation per minute

 ..... alternating current

## FUNCTIONAL DESCRIPTION

### ⚠ CAUTION:

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

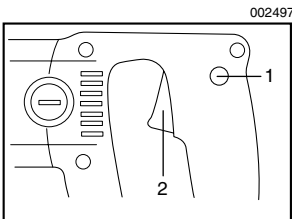


1. Lever
2. Shoe

### Adjusting the shoe

When the blade loses its cutting efficiency in one place along its cutting edge, reposition the shoe to utilize a sharp, unused portion of its cutting edge. This will help to lengthen the life of the blade.

To reposition the shoe, loosen the lever counterclockwise and slide the shoe forward or back to the desired position. Then tighten the lever to firmly secure the shoe.



1. Lock button
2. Switch trigger

### 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.

# ASSEMBLY

**⚠ CAUTION:**

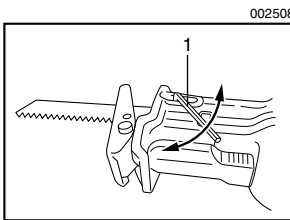
- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

## Installing or removing the saw blade

**⚠ CAUTION:**

- Always clean out all chips or foreign matter adhering to the blade, blade clamp and/or slider. Failure to do so may cause insufficient tightening of the blade, resulting in a serious injury.

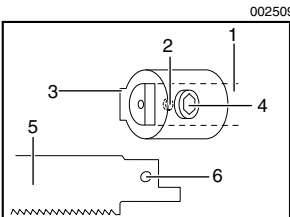
### For JR3030



1. Hex wrench

To install the blade, loosen the screw on the blade clamp with the hex wrench. Insert the blade between the blade clamp and the slider so that the pin on the slider fits into the hole in the blade shank. If the pin cannot easily fit into the hole, remove the hex wrench from the screw and then try again.

After the pin fits properly into the hole, tighten the screw clockwise securely while making sure that the blade cannot be extracted even though you try to pull it out.



1. Slider
2. Pin
3. Blade clamp
4. Screw
5. Blade
6. Hole

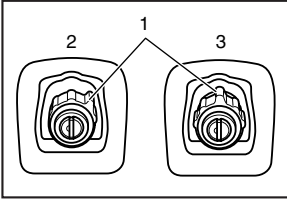
**⚠ CAUTION:**

- If you tighten the screw without the pin on the slider fitting properly in the hole in the blade shank, the pin or the blade shank will be damaged. This may cause the blade to be extracted unexpectedly during operation.

To remove the blade, follow the installation procedure in reverse.

## For JR3030T

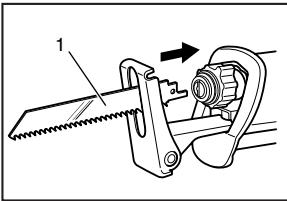
001666



1. Blade clamp sleeve
2. Released position
3. Fixed position

To install the saw blade, always make sure that the blade clamp sleeve is in released position before inserting the saw blade. If the blade clamp sleeve is in fixed position, rotate the sleeve to the released position.

001667



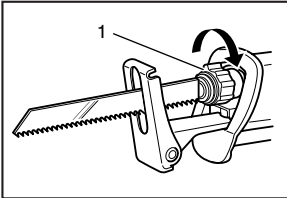
1. Blade

Insert the saw blade into the blade clamp as far as it will go. The blade clamp sleeve rotates and the saw blade is fixed. Make sure that the saw blade cannot be extracted even though you try to pull it out.

### NOTE:

- If you do not insert the saw blade deep enough, the saw blade may be ejected unexpectedly during operation. This can be extremely dangerous.

001668



1. Blade clamp sleeve

To remove the saw blade, rotate the blade clamp sleeve in the direction of the arrow fully. The saw blade is removed and the blade clamp sleeve is fixed at the released position.

### NOTE:

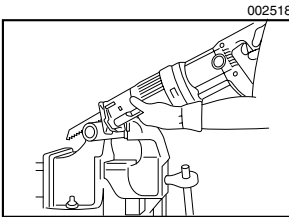
- If you remove the saw blade without rotating the blade clamp sleeve fully, the sleeve may not be fixed. In this case, rotate the blade clamp sleeve fully, then make the sleeve fixed at the released position.

## OPERATION

### ⚠ CAUTION:

- Always press the shoe firmly against the workpiece during operation. If the shoe is held away from the workpiece during operation, strong vibration and/or twisting will be produced, causing the blade to snap dangerously.
- Always wear gloves to protect your hands from hot flying chips when cutting metal.
- Be sure to always wear suitable eye protection which conforms with current national standards.
- Always use a suitable coolant (cutting oil) when cutting metal. Failure to do so will cause premature blade wear.

Press the shoe firmly against the workpiece. Do not allow the tool to bounce. Bring the blade into light contact with the workpiece. First, make a pilot groove using a slower speed. Then use a faster speed to continue cutting.



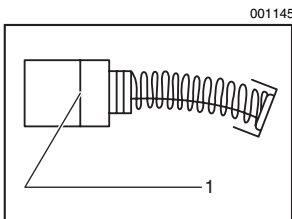
## MAINTENANCE

### ⚠ CAUTION:

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

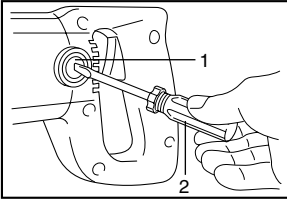
### Replacing carbon brushes

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.



1. Limit mark

002522



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.

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.

- Recipro saw blades
- Hex wrench 4 (For model JR3030)
- Plastic carrying case





Cut



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**Makita U.S.A., Inc.**  
14930 Northam Street  
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Fold



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Denver, CO 80239-2709  
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Suite 104 Elkridge, MD 21075  
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**MASSACHUSETTS**

232 Providence Hwy.  
Westwood, MA 02090  
(781) 461-9754

**MINNESOTA**

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Richfield, MN 55423  
(612) 869-5199

**MISSOURI**

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

**NEBRASKA**

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Omaha, NE 68127  
(402) 597-2925

**NEVADA**

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Suites. 22 - 24  
Las Vegas, NV 89102  
(702) 368-4277

**NEW JERSEY**

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Dayton, NJ 08810-1539  
(609) 655-1212

**NEW YORK**

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Cheektowaga, NY 14225  
(716) 685-9503

**OREGON**

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Portland, OR 97209  
(503) 222-1823

**PENNSYLVANIA**

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Suite 170 Nashville, TN 372  
(615) 248-3321

**TEXAS**

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Farmers Branch, TX 75234  
(972) 243-1150

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(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**

<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.

# 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 of America**

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