

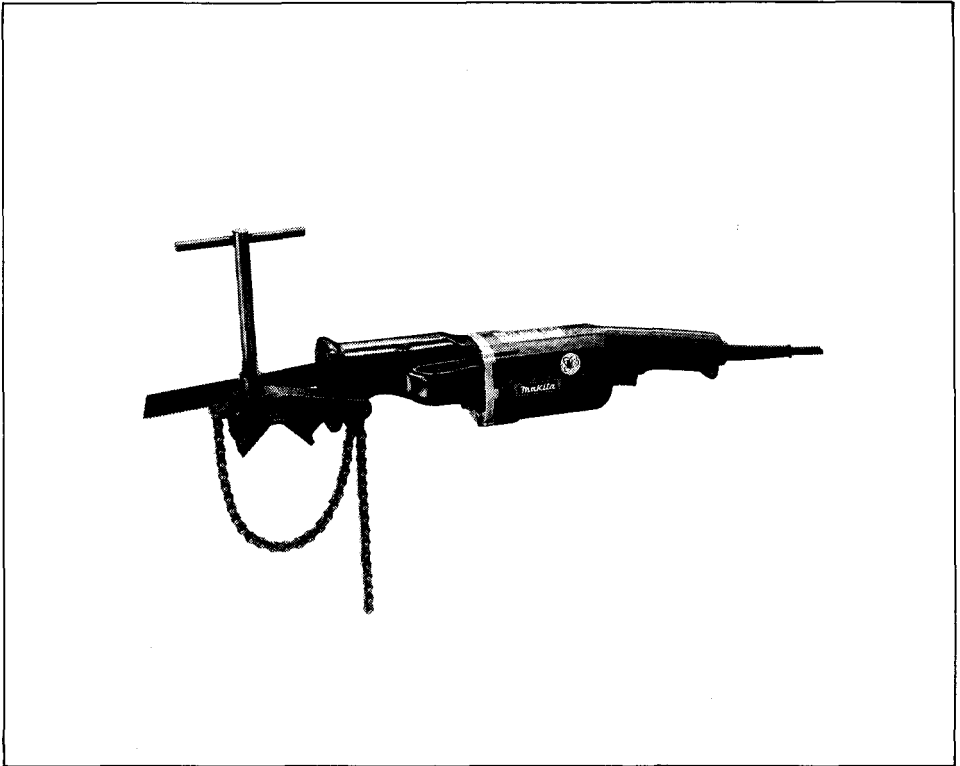
# Makita

アメリカ

## Chain Vise Recipro Saw

MODEL JR3010

### INSTRUCTION MANUAL



#### SPECIFICATIONS

Length of stroke	Strokes per minute	Vise capacity	Overall length	Net weight (without vise assembly)
28 mm (1-1/8")	0 - 2,200	25 - 115 mm (1" - 4-1/2")	435 mm (17-1/8")	2.9 kg (6.4 lbs)

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

# **IMPORTANT SAFETY INSTRUCTIONS**

## **(For All Tools)**

**WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:**

### **READ ALL INSTRUCTIONS.**

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
6. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
9. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

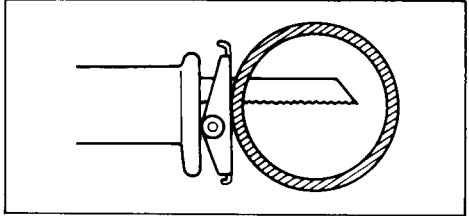
14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
16. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
17. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
18. **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 by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
19. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
20. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.

**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.

# ADDITIONAL SAFETY RULES

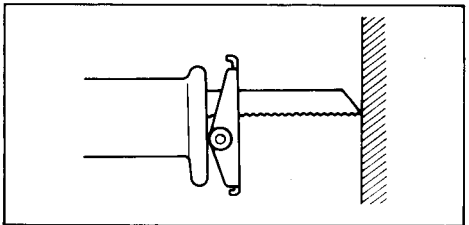
1. **Wear a hard hat (safety helmet), safety glasses and/or face shield.**  
It is also highly recommended that you wear a dust mask, ear protectors and thickly padded gloves.
2. **Check the blade carefully for cracks or damage before operation.**  
Replace cracked or damaged blade immediately.

3. **Do not attempt to cut workpieces larger than specified in this manual (especially hollow pipe).** The blade might snap and cause an injury.



4. **Hold the tool firmly.**
5. **Be sure no one is below when using the tool in high locations.**
6. **Do not point the tool at anyone in the immediate vicinity.**
7. **When making a "blind" cut (you can't see behind what is being cut), be sure that hidden electrical wiring or water pipes are not in the path of the cut. If wires are present, they must be disconnected at their power source by a qualified person or avoided to prevent the possibility of lethal shock or fire. Always hold the tool ONLY by the insulated gripping surfaces to prevent any electric shock if you accidentally cut through a "live" wire. Water pipes in "blind" areas must be drained and capped before cutting.**

8. **Be careful not to hit the end of the blade against something during operation. Damage to the tool or dangerous blade breakage may occur.**



9. **Watch out for cut-off portions of the workpiece being cut. They may fall and injure you or someone near you.**
10. **When cutting metals, be cautious of hot flying chips.**
11. **Do not touch the blade or the workpiece immediately after operation; they may be extremely hot and could burn your skin.**
12. **If you withdraw the blade from the workpiece during operation, strong reaction will be produced, causing the blade to snap or causing you to lose your grip and control of the tool. Always switch off the tool and wait until the blade has come to a complete stop before withdrawing the blade from the workpiece.**

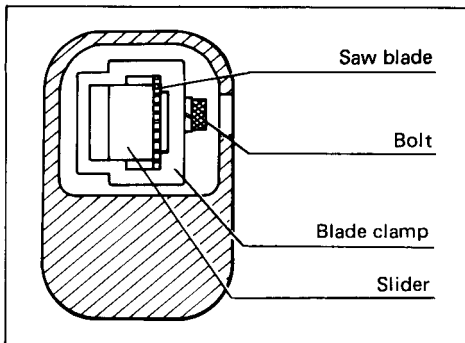
**SAVE THESE INSTRUCTIONS.**

## Installing or removing saw blade

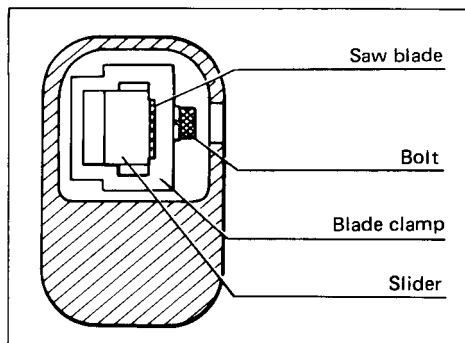
### CAUTION:

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

The blade installing position varies depending upon the type of blade being used. Install the blade in the proper position as shown in the figures below.

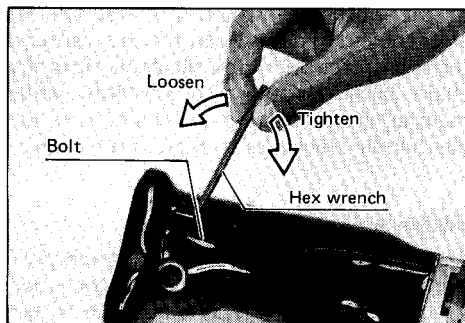


Installing position for blades No. 25 and 26.



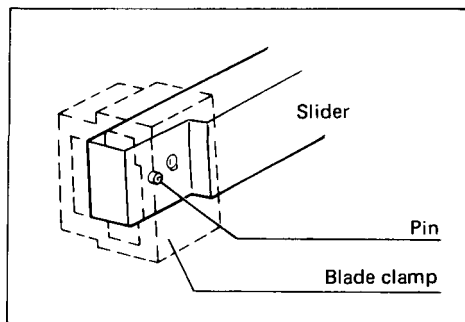
Installing position for blades No. 21, 22, 23 and 24.

To install the blade, loosen the bolt with the hex wrench. Insert the blade between the blade clamp and the slider so that the pin on the slider fits in the hole in the blade shank. Tighten the bolt securely while making sure that the blade will not be extracted even though you try to pull it out.



### CAUTION:

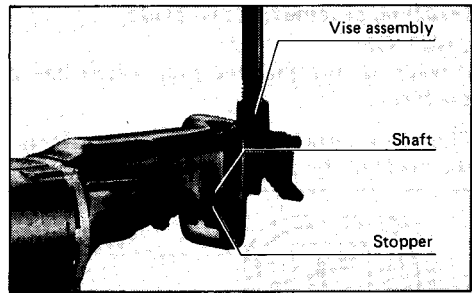
If you tighten the bolt without the pin on the slider fitting properly in the hole in the blade shank, the pin or the blade shank will be damaged. This may cause the blade to be extracted unexpectedly during operation.



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

### Installing or removing vise assembly

To install the vise assembly, insert the shaft of the vise assembly into the hole in the housing as far as it will go. The shaft of the vise assembly will be grasped by the stopper automatically. Make sure that the vise assembly cannot be removed even though you try to pull it out.



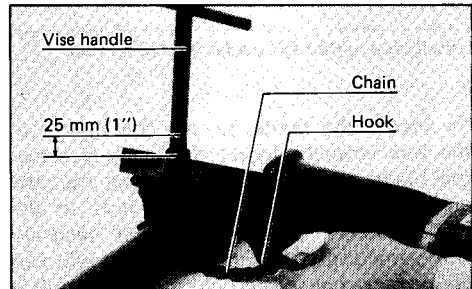
To remove the vise assembly, raise the stopper and then pull the vise assembly out while turning the vise assembly.

### CAUTION:

Do not use the vise assembly when cutting pipes up to 25 mm (1") in diameter or thin wall pipes.

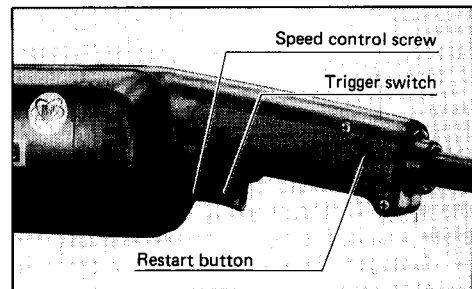
### Securing tool to workpiece

Turn the vise handle counterclockwise until approx. 25 mm (1") threaded portion is visible. Place the vise assembly on the part of the workpiece which will not fall off after the cut is made. Wrap the chain around the workpiece and hook the chain onto the chain hook on the vise assembly while maintaining tension on the chain. Turn the vise handle clockwise to tighten the chain.



### Switch action

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



### CAUTION:

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

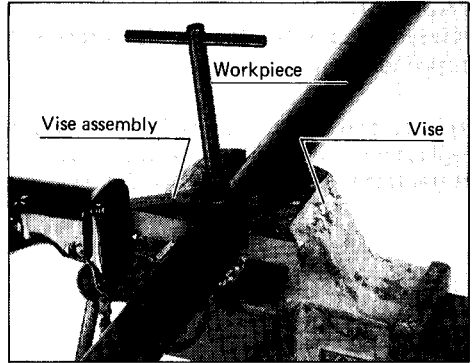
### Overload protector

The overload protector automatically cuts out to break the circuit whenever heavy work is prolonged. If this occurs, release the trigger switch and withdraw the blade from the workpiece. Press the restart button to resume operation.

## Operation

### 1. Cutting with the vise assembly :

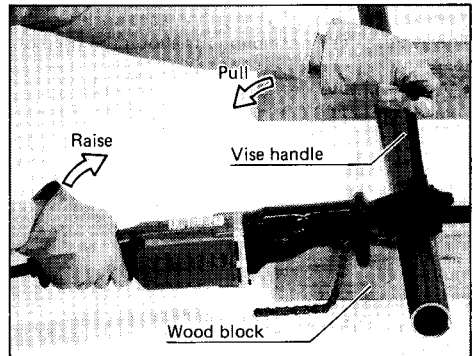
Secure the tool to the workpiece as described in "Securing tool to workpiece" section. Bring the blade into light contact with the workpiece. First, make a pilot groove, using a slower speed until the blade has cut to a depth of 1–3 mm (3/64" – 1/8"). Then use a faster speed to continue cutting.



### CAUTION :

Do not lift the tool handle too hard during operation. This may cause a bevel cut, damage to the blade or damage to the tool.

When cutting the workpiece which is not secured with anything other than the vise assembly, grasp the vise handle with your left hand and the tool handle with your right hand. Then cut the workpiece by raising the tool handle while pulling the vise handle toward you. Be extremely careful in these situations to avoid losing control of the tool and workpiece.



### CAUTION :

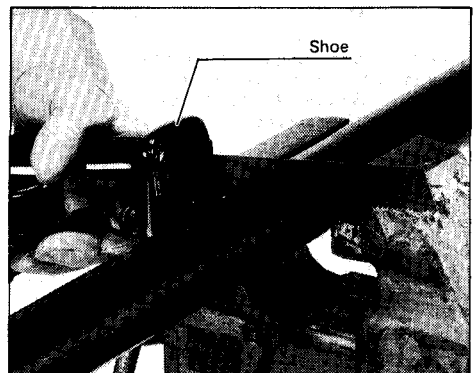
When cutting the workpiece near an obstacle like floor or wall, use wood blocks to prevent the blade from hitting against the obstacle.

### 2. Cutting without the vise assembly :

Press the shoe firmly against the workpiece during operation. If the shoe is off the workpiece during operation, strong reaction will be produced, causing the blade to snap.

### CAUTION :

Secure the workpiece firmly.



## MAINTENANCE

### CAUTION:

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

To maintain product SAFETY and RELIABILITY, repairs, 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. The accessories or attachments should be used only in the proper and intended manner.

- **Vise assembly**

Part No. 122403-9



- **Hex wrench 4**

Part No. 783202-0



- **Vise handle 120**

(length: 100 mm; 3-15/16")

Part No. 272024-8








- **Steel carrying case**

Part No. 182200-5



Use this vise handle instead of the standard equipped vise handle (length: 180 mm; 7-1/16") when cutting in tight places.



Saw Blades	Part #	Qty. Per Pkg.	Teeth Per Inch	Overall Length	Tooth Specification	Application	
<b>Wood Cutting Blade</b>      	723018-0A 723018-A-5 723018-A-2	10 5 2	6 6 6	6" 6" 6"	High Carbon Steel Fleam Ground (.049")	Cuts nail free wood – rough in work.	
	723018-0B 723018-B-5 723018-B-1	10 5 1	6 6 6	12" 12" 12"	High Carbon Steel Fleam Ground (.049")	Cuts nail free wood – rough in work.	
	723018-0C 723018-C-5	10 5	6 6	6" 6"	High Alloy Steel Milled (.031")	Cuts composition materials – resists nail damage.	
	723018-0D 723018-D-5 723018-D-2	10 5 2	10 10 10	6" 6" 6"	High Alloy Steel Milled (.031")	Cuts composition and plywood – resists nail damage.	
	723018-0E 723018-E-5	10 5	6 6	6" 6"	High Carbon Steel Fleam Ground (.049")	Cuts circles and con- tours in nail free wood, compositions.	
	723018-P-5	5	6	6"	High Alloy Steel M/V Alternate (.041")	Cuts plaster, metal lath, plasterboard.	
	<b>Metal Cutting Blade</b> For rapid cutting of metal and fiberglass. Made of high speed steel.    	723019-G-5 723019-G-2	5 2	14 14	4" 4"	High Speed Steel Milled/Raker Set (.031")	For cutting metal over 1/8" thick.
		723019-0A 723019-A-5 723019-A-2	10 5 2	14 14 14	6" 6" 6"	High Speed Steel Milled/Raker Set (.031")	For cutting metal over 1/8" thick.
		723019-0B 723019-B-5 723019-B-2	10 5 2	18 18 18	4" 4" 4"	High Speed Steel Milled/Raker Set (.031")	For cutting metal over 3/64" thick.
		723019-H-5	5	18	4"	High Speed Steel Milled/Wavy Set (.049")	For scroll cuts in metal 3/64" thick and over.
		723019-0C 723019-C-5 723019-C-2	10 5 2	18 18 18	6" 6" 6"	High Speed Steel Milled/Raker Set (.031")	For cutting metal over 3/64" thick.
		723019-K-5 723019-K-2	5 2	24 24	4" 4"	High Speed Steel Milled/Wavy Set (.031")	For cutting metal less than 3/64" thick.
723019-0D 723019-D-5 723019-D-2		10 5 2	24 24 24	6" 6" 6"	High Speed Steel/ Milled/Wavy Set (.031")	For cutting metal less than 3/64" thick.	
723019-J-5		5	36	4"	High Speed Steel Milled/Wavy Set (.031")	For cutting metal less than 1/32" thick.	

Saw Blades	Part #	Qty. Per Pkg.	Teeth Per Inch	Overall Length	Tooth Specification	Application
<b>Bi-metal Blade</b> Combination of high speed steel teeth welded to a shatter proof flexible backed blade. Ultra long life blade.	723017-0E 723017-E-5 723017-E-2	10 5 2	6 6 6	6" 6" 6"	Bi-metal Milled (.050")	Cuts nail embedded wood — roughing in work.
	723017-F-5	5	6	12"	Bi-metal Milled (.050")	Cuts nail embedded wood — roughing in work.
	723017-0A 723017-A-5 723017-A-2	10 5 2	10 10 10	6" 6" 6"	Bi-metal Milled (.031")	Cuts nail embedded wood — nonferrous metals.
	723017-G-5	5	14	4"	Bi-metal Milled (.031")	Cuts metal 1/8" thick and over.
	723017-0B 723017-B-5 723017-B-2	10 5 2	14 14 14	6" 6" 6"	Bi-metal Milled (.031")	Cuts metal 1/8" thick and over.
	723017-H-5 723017-H-2	5 2	18 18	4" 4"	Bi-metal Milled (.031")	Cuts metal 3/64" thick and over.
	723017-0C 723017-C-5 723017-C-2	10 5 2	18 18 18	6" 6" 6"	Bi-metal Milled (.031")	Cuts metal 3/64" thick and over.
	723017-K-5	5	18	3-1/2"	Bi-metal Milled (.031")	Scroll cuts in metals over 3/64" thick, fiberglass, compositions.
	723017-J-5 723017-J-2	5 2	24 24	4" 4"	Bi-metal Milled (.031")	Cuts metal less than 3/64" thick.
	723017-0D 723017-D-5 723017-D-2	10 5 2	24 24 24	6" 6" 6"	Bi-metal Milled (.031")	Cuts metal less than 3/64" thick.
No. 25	792618-8	3	8	5-7/8"	High Speed Steel	For iron pipe 2-3/8" dia. or less.
No. 26	792620-1	3	8	7-7/8"		For iron pipe 4-1/2" dia. or less.

(Note)

- Use blades No. 25 or 26 for accurate square cutting.
- Blades No. 25 and 26 are recommended to use for cutting steel pipes 5/64" thick or more.

● **3 Piece variety pack**

Includes 1 each: 723018-A  
723018-D  
723019-C

Part No. 723016-3-A



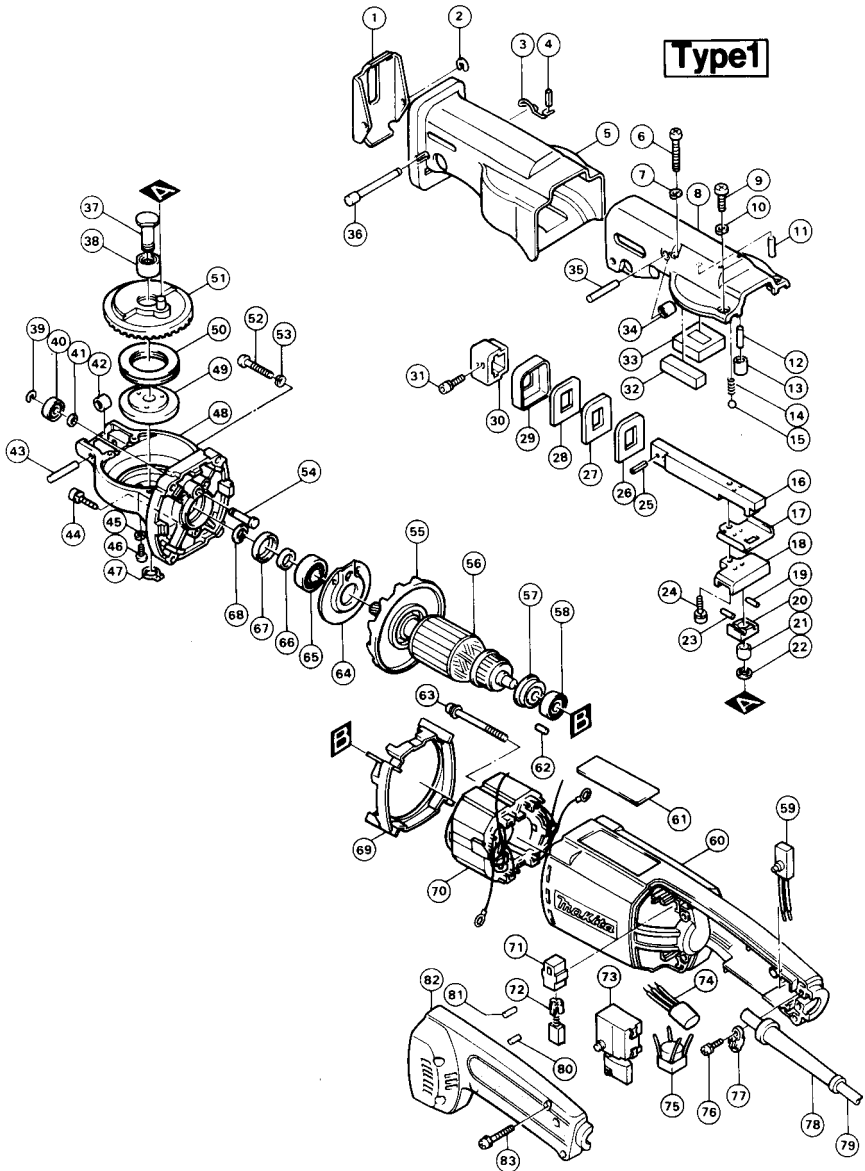
● **3 Piece variety Pack**

Ultra long life bi-metal  
Includes 1 each: 723017-E  
723017-B  
723017-C

Part No. 723016-3-B



# CHAIN VISE RECIPRO SAW Model JR3010



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

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<b>MACHINE</b>			<b>MACHINE</b>		
1	1	Shoe	41	1	Thin Washer 6
2	1	Stop Ring E-5	42	1	Needle Bearing 510
3	1	Torsion Spring	43	1	Pin 5
4	1	Spring Pin 3-B	44	3	Hex. Socket Head Bolt M5x16 (With Washer)
5	1	Housing Cover	45	3	Spring Washer 4
6	2	Pan Head Screw M5x30	46	3	Pan Head Screw M4x10
7	2	Spring Washer 5	47	1	Retaining Ring S-10
8	1	Gear Housing Cover	48	1	Gear Housing
9	2	Pan Head Screw M5x16	49	1	Gear Holder
10	2	Spring Washer 5	50	1	Thrust Needle Bearing 3047
11	2	Pin 5	51	1	Gear
12	2	Pin 5	52	4	Pan Head Screw M5x30
13	2	Needle Bearing 510	53	4	Spring Washer 5
14	1	Compression Spring 2.4	54	1	Pin 6
15	1	Steel Ball 6.4	55	1	Fan 75
16	1	Slider	56	1	ARMATURE ASSEMBLY (With Item 55 - 58)
17	1	Bearing Support	57	1	Insulation Washer
18	1	Slider Block	58	1	Ball Bearing 608L8
19	1	Pin 3	59	1	Current Relay
20	1	Metal	62	1	Rubber Pin 4
21	1	Sleeve 7	63	2	Pan Head Screw M5x55 (With Washer)
22	1	Flat Washer 7	64	1	Bearing Retainer
23	1	Pin 3	65	1	Ball Bearing 6001DDW
24	1	Hex. Socket Head Bolt M5x16 (With Washer)	66	1	Ring 12
25	1	Spring Pin 35-B	67	1	Oil Seal 18
26	1	Rubber Plate	68	1	Retaining Ring S-12
27	1	Felt Plate	69	1	Baffle Plate
28	1	Rubber Plate	70	1	FIELD ASSEMBLY
29	1	Seal Box	71	2	Brush Holder
30	1	Clamper	72	2	Carbon Brush
31	1	Hex. Socket Head Bolt M5x16 (With Washer)	73	1	Switch
32	2	Sponge Sheet	76	2	Pan Head Screw M4x18 (With Washer)
33	1	Sponge Sheet	77	1	Strain Relief
34	1	Needle Bearing 510	78	1	Cord Guard
35	1	Pin 5	79	1	Cord
36	1	Pin 6	80	1	Rubber Pin 4
37	1	Pin 10	81	1	Rubber Pin 4
38	1	Needle Bearing 1012	82	1	Handle Cover
39	1	Stop Ring E-5	83	4	Pan Head Screw M4x28 (With Washer)
40	1	Ball Bearing 606ZZ			

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

## MAKITA LIMITED ONE YEAR WARRANTY

### Warranty Policy

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

This Warranty does not apply where:

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

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

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

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

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PRINTED IN JAPAN

1991 — 6 — N

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