

**CRL C.R. LAURENCE CO., INC.**

# Reciprocating Saw

**CAT. NO. LD195, LD195EU, LD195AU**



**WARNING!** When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. Completely read the manual before proceeding to use this tool.

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## IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### CAUTION

**CAUTION**, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### DANGER

**DANGER** Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### CAUTION

**CAUTION**, without the safety alert symbol, is used to address practices not related to personal injury.

### WARNING

**WARNING** Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### NOTICE

**NOTICE** is used to address practices not related to personal injury.

## GENERAL POWER TOOL SAFETY WARNINGS



**WARNING** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your electric (corded) power tool.

### 1. Keep Work Area Well Lit

Cluttered or 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 children and bystanders away while operating a power tool.

Distractions can cause you to lose control.

## ELECTRICAL SAFETY

- 1. Power tool plugs must match the outlet. Never modify the plug in any way.**  
**Do not use any adapter plugs with grounded power tools.**  
Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2. 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.
- 3. Do not expose power tools to rain or wet conditions.**  
Water entering a power tool will increase the risk of electric shock.
- 4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool.**  
**Keep cord away from heat, oil, sharp edges or moving parts.**  
Damaged or entangled cords increase the risk of electric shock.
- 5. When operating a power tool outdoors, use an extension cord suitable for outdoor use.**  
Use of a cord suitable for outdoor use reduces risk of electric shock.
- 6. If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.**  
Use of a GFCI reduces the risk of electric shock.

## PERSONAL SAFETY

- 1. Stay alert, watch what you are doing and use common sense when operating a power tool.**  
**Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.**  
A moment of inattention while operating power tools may result in serious personal injury.
- 2. Use personal protective equipment. Always wear eye protection.**  
Safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection used for appropriate conditions will reduce personal injuries.
- 3. Prevent unintentional starting. Be sure the switch is in the off-position before connecting to power source, picking up or carrying the tool.**  
Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- 4. Do not overreach. Keep proper footing and balance at all times.**  
This enables better control of the power tool in unexpected situations.
- 5. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.**  
Loose clothes, jewelry or long hair can be caught in moving parts.
- 6. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.**  
Use of these devices can reduce dust-related hazards.
- 7. Only use safety equipment that has been approved by an appropriate standards agency.**  
Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

## POWER TOOL USE AND CARE

**1. Do not force the power tool. Use the correct power tool equipment.**

The correct power tool will do the job better and safer at the rate for which it was designed.

**2. Do not use the power tool if the switch does not turn on or off.**

Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

**3. Disconnect the plug from the power source before making any adjustments, changing accessories or storing power tools.**

Such preventive safety measures reduce the risk of starting the power tool accidentally.

**4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**

Power tools are dangerous in the hands of untrained users.

**5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.**

Many accidents are caused by poorly maintained power tools.

**6. Keep cutting tools sharp and clean.**

Properly maintained cutting tools with sharp cutting edges are less likely to bind and easier to control.

**7. Use the power tool, accessories and tool bits, etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.**

Use of the power tool for operations different from those intended could result in a hazardous situation.

## SERVICE

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

## RECIPROCATING SAW SAFETY WARNINGS

**1. Hold power tool by insulated gripping surfaces when performing an operation where 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. Use clamps or another practical way to secure and support the workpiece to a stable platform.**

Holding the work by hand or against your body leaves it unstable and may lead to loss of control.

**3. Maintain labels and nameplates on the tool.**

These carry important safety information. If unreadable or missing, contact CRL customer service for a replacement.

**4. Avoid unintentional starting.**

Prepare to begin work before turning on the tool.

**5. Do not lay the tool down until it has come to a complete stop.**

Moving parts can grab the surface and pull the tool out of your control.

6. **When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.**
7. **Do not leave the tool unattended when it is plugged into an electrical outlet.**  
Turn off the tool, and unplug it from its electrical outlet before leaving.
8. **This product is not a toy.** Keep it out of reach of children.
9. **People with pacemakers should consult their physician(s) before use.**  
Electromagnetic fields in close proximity to a heart pacemaker could cause pacemaker interference failure. In addition, people with pacemakers should:
  - Avoid operating alone.
  - Do not use with power switch locked on.
  - Properly maintain and inspect to avoid electrical shock.
  - Properly ground power cord. Ground Fault Circuit Interrupter (GFCI) should also be implemented - it prevents sustained electrical shock.
10. **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 or other masonry products.
  - 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 dust masks that are specially designed to filter out microscopic particles.
11. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
12. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

## VIBRATION SAFETY

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce risk of vibration-related injury:

1. Anyone using vibrating tools regularly for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice.

5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

## GROUNDING

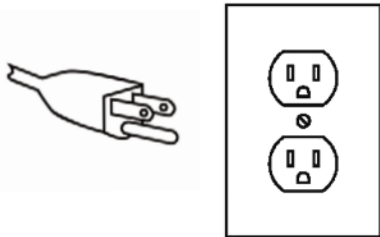
### ⚠ WARNING



### TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:

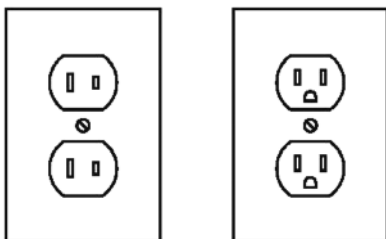
Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

### DOUBLE INSULATED TOOLS: TOOLS WITH TWO PRONG PLUGS



3-Prong Plug and Outlet

1. Tools marked with "Grounding Requirement" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. (See 3-Prong Plug and Outlet).
2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attracted to an electrically "live" terminal. (See 3-Prong Plug and Outlet).
3. The tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the preceding illustration. (See 3-Prong Plug and Outlet).



Outlets for 2-Prong Plug

1. Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standards Association, and the National Electrical Code.
2. Double insulated tools may be used in either of the 120 volt outlets shown in the illustration to the left (See Outlets for 2-Prong Plug).











## EXTENSION CORDS

1. Grounded tools require a three wire extension cord. Double insulated tools can use either a two or three wire extension cord.
2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire cause a serious drop in voltage, resulting in loss of power and possible tool damage. (See Table A below.)
3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. (See Table A below.)
4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. (See Table A below.)
5. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. (See Table A below.)
6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.
7. Make sure the extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
8. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.

### SYMBOLOLOGY

<b>Table A: Recommended Minimum Wire Gauge for Extension Cords* (120/240 Volt)</b>					
<b>Nameplate Amperes (at full load)</b>	<b>Extension Cord Length</b>				
	<b>25'</b>	<b>50'</b>	<b>75'</b>	<b>100'</b>	<b>150'</b>
5.1 - 7.0	18	16	14	12	12
7.1 - 12.0	18	14	12	10	-
12.1 - 16.0	14	12	10	-	-
16.1 - 20.0	12	10	-	-	-
* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.					

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
	Volts Alternating Current
	Amperes
	<b>WARNING</b> marking concerning risk of eye injury. Wear ANSI-approved safety goggles with side shields.
	Read the manual before set-up and/or use
	<b>WARNING</b> marking concerning risk of electric shock. Properly connect the power cord to appropriate outlet.

## SPECIFICATIONS

CAT. NO.	LD195	LD195EU	LD195AU
Electrical Rating	120V / 60 HZ / 6 A	220V / 50 HZ / 800W	240V / 50 HZ / 800W
Speed	0-2500 SPM	0-2500 SPM	0-2500 SPM
Stroke Length	7/8"	22.2 mm	22.2 mm

## SET-UP BEFORE USE



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

### **WARNING**

**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:** Turn the power switch of the tool off and unplug the tool from its electrical outlet before assembling or making any adjustments to the tool.

**NOTE:** For additional information regarding the parts listed in the following pages, refer to Parts List and Assembly Diagram on pages 12 and 13.





## OPERATING INSTRUCTIONS



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

### **WARNING**

**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:** Squeeze the release Trigger and unplug the tool from its electrical outlet before performing any procedure in this section.

## INSTALLING THE SAW BLADE

1. If there is an installed blade, remove it by opening the Chuck and pulling the blade out. To open the Chuck, rotate it counterclockwise and hold it in the open position.
2. Release the Chuck to close it.
3. To install the new Saw Blade, rotate and hold the Chuck counterclockwise while inserting the Saw Blade and pushing it in to its deepest position.
4. Release the Chuck to close it.
5. Check that the Saw Blade is firmly locked in place and that the teeth are pointed downward.

**WARNING:** To prevent serious injury: Before plugging in the Power Cord for each use, wearing work gloves, pull on the Saw Blade to make sure it is securely locked in the Chuck.



## HANDLE ROTATION

1. For comfort and controlled cutting from any angle, the Handle may be rotated up to 180° with five position stops (0°, 45°, 90° to the left and 45° and 90° to the right)
2. Rotate the Handle, press the Rotation Switch and turn the Handle to the desired position. Check to make sure the Handle is locked into the chosen position.



Rotation Switch



## WORKPIECE AND WORK AREA SET UP

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be objects nearby, such as utility lines, that will pose a hazard while working.

## GENERAL OPERATING INSTRUCTIONS

The Saw features a variable speed Trigger. For increased strokes per minute, squeeze the Trigger harder. For decreased strokes per minute, apply less pressure to the Trigger.

### NOTE:

When cutting softer materials, use a faster speed. When cutting harder materials, use a slower speed.

## GENERAL CUTTING

1. Install the Blade and adjust the Handle.
2. Press and release the Trigger to ensure that the Trigger Lock is off.
3. Holding the Saw with the Trigger released, plug the Power Cord into an appropriate electrical outlet.
4. To begin sawing, gripping the saw firmly with both hands, rest the front of the Shoe on your workpiece with the blade above the work.

**IMPORTANT:** Do not start the Saw if the Saw Blade is in contact with anything before operation.

5. Depress the Trigger.
6. Allow the tool to come up to full speed before touching the workpiece.
7. Guide the Saw Blade into the workpiece.

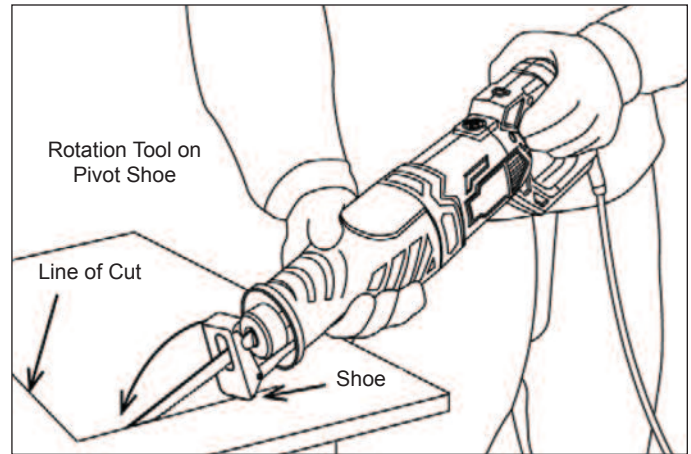
**WARNING:** Keep the Shoe pressed firmly against the workpiece while cutting to prevent tool kickback.

8. For continuous cutting, press and release the Trigger Lock button, then release the Trigger.
9. Maintain a smooth motion, guiding the Blade through the material as it is cut. Follow the cut. Do not press too hard. If the saw slows down as it is cutting, apply less pressure on the saw.
10. To stop the saw, release the Trigger when not using the Trigger Lock feature.  
If using the Trigger Lock function, press and release the Trigger.
11. Allow the tool to come to a complete stop before setting it down.
12. To prevent accidents, turn off the tool and disconnect its power supply after use.  
Clean, then store the tool indoors out of the reach of children.

## PLUNGE CUTTING

Plunge cut into plywood and thin board panels.  
Do not attempt to plunge cut into thick, hard wood or metal panels.

1. Clearly mark the line of cut.
2. From a convenient starting point within the cutting area, place the tip of the Blade over that point with the Saw parallel to the line of cut.
3. Place the edge of the Pivot Shoe on the work piece with the Blade NOT touching the work material. Squeeze the Trigger to start the tool operating. Never start a plunge cut with the Blade tip touching the work piece. This will cause an immediate kick back, can cause personal injury and/or damage to the work piece or blade.
4. Wait for the Saw to reach full speed, then slowly rotate the tool on the Pivot Shoe as the Blade contacts the work piece.
5. Continue to slowly rotate the tool until the Blade has penetrated through the work material. Press the Pivot Shoe firmly against the work material and continue to make the cut.
6. When the cut is complete, turn off the tool. Allow the tool to stop completely before removing it from the cut.
7. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of the reach of children.



## METAL CUTTING

1. Install a metal cutting blade and adjust the Handle.
2. Coat the cutting surface with cutting oil to prevent the blade from overheating.
3. Follow general cutting procedure, see "General Cutting" on page 10.
4. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of the reach of children.

## MAINTENANCE AND SERVICING



**PROCEDURES NOT SPECIFICALLY EXPLAINED IN THIS MANUAL MUST BE PERFORMED ONLY BY A QUALIFIED TECHNICIAN.**

### **WARNING**

**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:** Squeeze the release Trigger and unplug the tool from its electrical outlet before performing any procedure in this section.

**TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:** Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

## CLEANING, MAINTENANCE, AND LUBRICATION

1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
  - loose hardware
  - damaged electrical wiring
  - misalignment or binding of moving parts
  - any other condition that may affect its safe operation
  - cracked or broken parts
2. **AFTER USE**, wipe external surfaces of the tool with a clean cloth.
3. Periodically blow dust and grit out of the motor vents using dry compressed air. Wear ANSI-approved safety goggles and NIOSH-approved breathing protection while doing this.
4. Check the condition of Blades regularly. Bent, cracked, worn or dull blades will not operate properly and can cause damage or injury. Discard damaged or worn blades.
5. **WARNING:** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

## TROUBLESHOOTING

Problem	Possible Causes	Likely Solutions
Tool will not start.	<ol style="list-style-type: none"> <li>1. Cord not connected.</li> <li>2. No power at outlet.</li> <li>3. Tool's thermal reset breaker tripped (if equipped)</li> <li>4. Internal damage or wear (Carbon brushes or switch, for example).</li> </ol>	<ol style="list-style-type: none"> <li>1. Check that cord is plugged in.</li> <li>2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads.</li> <li>3. Turn off tool and allow to cool. Press reset button on tool.</li> <li>4. Have technician service tool.</li> </ol>
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use shorter/heavier gauge cord. See Extension Cords in Grounding section on page 6.
Performance decreases over time.	<ol style="list-style-type: none"> <li>1. Accessory dull or damaged.</li> <li>2. Carbon brushes worn or damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Keep cutting accessories sharp. Replace as needed.</li> <li>2. Have qualified technician replace brushes.</li> </ol>
Excessive noise or rattling	Internal damage or wear (Carbon brushes or bearings, for example).	Have technician service tool.
Overheating	<ol style="list-style-type: none"> <li>1. Forcing tool to work too fast.</li> <li>2. Accessory dull or damaged.</li> <li>3. Blocked motor housing vents.</li> <li>4. Motor being strained by long or small diameter extension cord.</li> </ol>	<ol style="list-style-type: none"> <li>1. Allow tool to work at its own rate.</li> <li>2. Check and connect accessory to fence and/or table alignment.</li> <li>3. Keep cutting accessories sharp. Replace as needed.</li> <li>4. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.</li> <li>5. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See Extension Cords in Grounding section on page 6.</li> </ol>



Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

## PARTS LIST AND DIAGRAM

### PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKE ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

### PARTS LIST

Part	Description
1	Baffle Ring
2	Chuck Ring
3	Torsion Ring
4	Pin
5	Compression Spring
6	Inner Ring
7	Cylindrical Pin
8	Ring
9	Felt Ring
10	Bearing
11	Ball Cover
12	Offsetting Rod
13	Pan Head Screw
14	Spring Washer
15	Flat Washer
16	Pan Head Screw
17	Housing Cover
18	Pan Head Screw
19	Spring Washer
20	Covering Plate
21	Gasket
22	Gear Bearing
23	Needle Bearing

Part	Description
24	Cylindrical Pin
25	Gear
26	Washer
27	Bearing
28	Internal Snap Ring
29	Bearing
30	Housing
31	Pivoting Shoe
32	Sleeve
33	Pan Head Tapping Screw
34	Washer
35	Sunk Head Screw
36	External Snap Ring
37	Bearing Clamp
38	Washer
39	Sunk Head Screw
40	Rotor
41	Cover
42	Bearing
43	Bearing Sleeve
44	Sleeve
45	Holder
46	Cap Screw

Part	Description
47	Pan Head Tapping Screw
48	Stator
49	Buckle
50	Tension Spring
51	Housing
52	Brush Cap
53	Carbon Brush
54	Brush Handle
55	Nameplate
56	Left Handle
57	Trigger
58	Cable Clamp
59	Pan Head Tapping Screw
60	Power Cord
61	Cable Sleeve
62	Right Handle
63	Pan Head Tapping Screw
64	Locking Spring
65	Rotation Switch
66	Brand Label
67	Pan Head Screw
68	Pan Head Screw



## ASSEMBLY DIAGRAM

