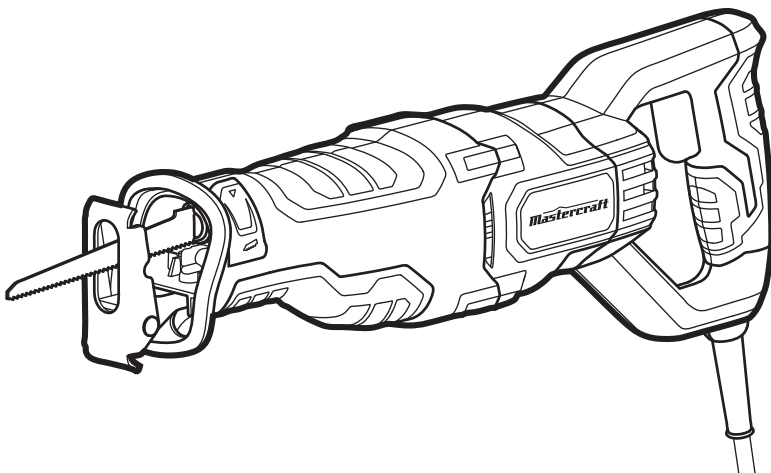


model no. 054-8153-0

Mastercraft™

CORDED RECIPROCATING SAW



IMPORTANT:

Read and understand this instruction manual thoroughly before using the product.

INSTRUCTION MANUAL

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NOTE: If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-800-689-9928

**SAVE THESE INSTRUCTIONS**

- This manual contains important safety and operating instructions. Read all instructions and follow them with use of this products.

TECHNICAL SPECIFICATIONS

Rated power input	8.5A
Rated voltage	120V~, 60Hz
No load speed	0–2800 SPM
Blade stroke	1 1/8" (2.9 cm)
Tool weight	7 lb 3 oz (3.26 kg)

RULES FOR SAFE OPERATION**WARNING!**

Safety symbols in this Instruction Manual are used to flag possible dangers. The safety symbols and their explanations require your full understanding. The safety warnings do not, by themselves, eliminate any danger, nor are they substitutes for proper accident prevention measures.

**WARNING!**

This Safety Alert Symbol indicates caution, warning, or danger. Failure to obey a safety warning can result in serious injury to yourself or others. To reduce the risk of injury, fire, or electric shock, always follow the safety precautions.

KNOW YOUR TOOL

To operate this tool, carefully read this Instruction Manual and all labels affixed to the Reciprocating Saw before using. Keep this manual available for future reference.

IMPORTANT

This tool should only be serviced by a qualified service technician. For more information, call the toll-free helpline at 1-800-689-9928.

READ ALL INSTRUCTIONS THOROUGHLY**SAVE THESE INSTRUCTIONS****SAFETY GUIDELINES FOR POWER TOOLS****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 mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tools 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

- **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.
- **Use personal protective equipment.** Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting.** Ensure that the switch is in the off-position before connecting to power source or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used.** Use of dust collection devices can reduce dust-related hazards.

POWER TOOL USE AND CARE

- **Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and more safely at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **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.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control;
- **Use the power tool, accessories, 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.




SAFETY GUIDELINES FOR RECIPROCATING SAWS

- **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** If a cutting accessory contacts a "live" wire, it may cause the exposed metal parts of the power tool to become "live" and shock the operator.
- **Use clamps or another practical way to support the workpiece and secure it to a stable platform.** Holding the work by hand or against your body leaves it unstable and may lead to loss of control.

ADDITIONAL SAFETY GUIDELINES FOR RECIPROCATING SAWS

- **Do not use dull or damaged blades.** A bent blade can break easily or cause kickback.
- **Before starting to cut, turn the tool "ON" and allow the blade to come to full speed.** The tool can chatter or vibrate if the blade speed is too slow at the beginning of cut and could kickback.
- **Before plugging the tool in, check that the trigger switch is in the "OFF" position.** Accidental start-ups could cause injury.
- **Keep hands away from cutting area. Do not reach under the material being cut.** The proximity of the blade to your hand is hidden from your sight.
- **Always wear safety goggles or eye protection when using this tool. Use a dust mask or respirator for applications that generate dust.**
- **Wear ear protection.** Exposure to noise can cause hearing loss.
- **When removing the blade from the tool, avoid contact with skin and use proper protective gloves when grasping the blade or accessory.** Accessories may be hot after prolonged use.
- **Secure material before cutting.** Never hold it in your hand or across your legs. Small or thin material may flex or vibrate with the blade, causing loss of control.

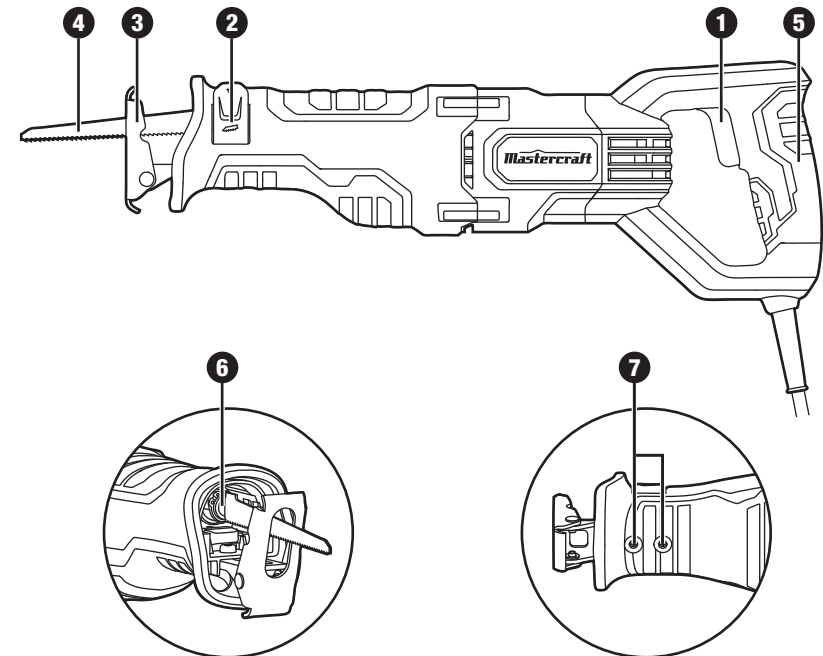
• The label on your tool may include the following symbols. The symbols and their definitions are as follows:

- V Volts
- A Amperes
- Hz Hertz
- W Watts
- min Minutes
- ~ Alternating current
- — — Direct current
- n_0 No load speed
-  Class II Construction
- .../min Revolutions or reciprocation per minute
-  Grounding terminal
- BPM Beats per minute
-  WARNING – To reduce the risk of injury, user must read instruction manual.

PACKAGE CONTENTS

Reciprocating saw, hex key, general cutting blade and instruction manual

KEY PARTS DIAGRAM



No.	Part
1	Variable-speed trigger switch
2	Blade-clamp lever
3	Pivot shoe
4	Blade

No.	Part
5	Handle
6	Tool-less blade clamp
7	Shoe-adjustment screw



WARNING!

- Remove the reciprocating saw from the package and examine it carefully. Do not discard the carton or any packaging material until all parts have been examined.

IMPORTANT INFORMATION

Before attempting to use this tool, become familiar with all of its operating features and safety requirements. For optimum performance and safety, read the operating instructions carefully before using the reciprocating saw.

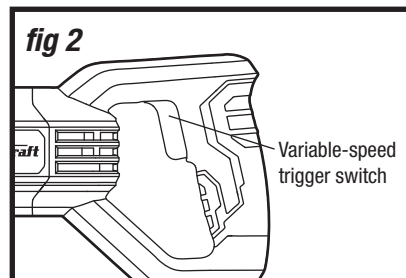
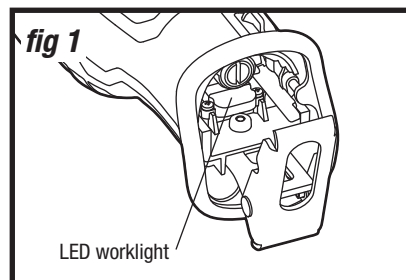
LED WORKLIGHT (fig 1)

The LED worklight, located next to the tool-less blade clamp of this tool, will illuminate when the saw is turned on. This provides additional light on the surface of the workpiece for operation in lower-light conditions.

The LED worklight will turn off when the saw is turned off.

VARIABLE SPEED (fig 2)

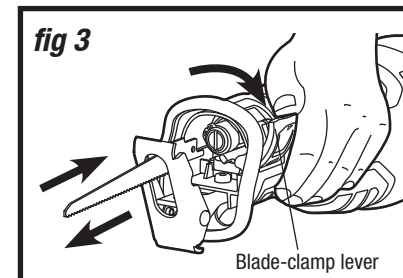
This tool has a variable-speed trigger switch that delivers higher speed with increased trigger pressure and lower speed with decreased trigger pressure. Speed is controlled by the degree to which the trigger is depressed.

**WARNING!**

- Do not allow familiarity with the reciprocating saw to cause a lack of alertness. A fraction of a second of carelessness is enough to cause severe injury.
- Never connect the reciprocating saw to the power source when you are assembling parts, making adjustments, installing or removing cutting blade, cleaning, or when it is not in use. Disconnecting the reciprocating saw will prevent accidental starting, which could cause serious personal injury.

ASSEMBLY INSTRUCTIONS**INSTALLING SAW BLADE (fig 3)**

1. Unplug the reciprocating saw from the power supply.
2. Pull the blade-clamp lever as far as it will go to open the tool-less blade clamp.
3. Insert the blade until it stops, then release the blade-clamp lever to lock the blade in position. The blade may be inserted with the teeth facing down or up.
4. Use your gloved hand to push in and pull out on the blade to be sure the blade is clamped securely.

**REMOVING THE SAW BLADE (fig 3)**

1. Unplug the reciprocating saw from the power supply.
2. To remove the blade, pull the blade-clamp lever as far as it will go and, with your gloved hand, pull the blade out of the clamp.

NOTICE: Allow blade to cool after use. The blade can become dangerously hot.

**CAUTION!**

- For all work and when changing the blade, always wear protective gloves. The sharp edges of the blade will cause personal injury. The blade can be very hot while working.

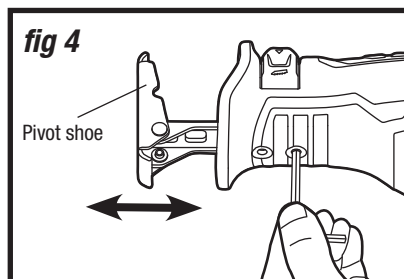
WARNING!

- Check that the blade is correctly attached. An incorrect or insecurely fastened blade can come loose during operation and cause a hazard.
- Always ensure that the tool is switched OFF and unplugged from the power supply before making any adjustments and attaching any accessories.
- Make sure that the front end of the blade extends through the footplate for the entire stroke length. Do not use specialty blades that are very short or those with a significant cant. The blade must not contact the footplate at any point in its stroke. A blade that is too short or canted could jam inside the foot and snap.

PIVOT SHOE**SLIDING THE SHOE IN OR OUT (fig 4)**

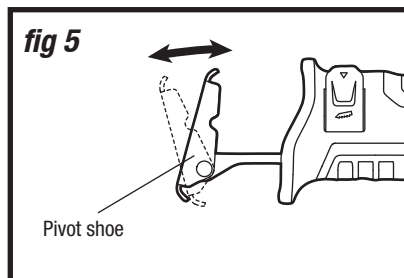
For maximum control and longer blade life, the base assembly slides in or out to permit you to adjust the effective stroke length.

1. Unplug the reciprocating saw from the power supply.
2. Loosen the two shoe-adjustment screws with the hex key (supplied), and slide the shoe to the desired position. The shoe can be locked in any position.
3. Tighten the shoe-adjustment screws to lock the shoe in the desired position.

**PIVOTING THE SHOE (fig 5)**

The shoe pivots to provide maximum control against the surface being cut.

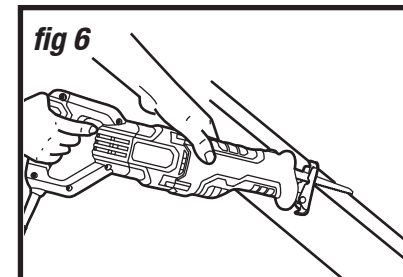
1. Unplug the reciprocating saw from the power supply.
2. Hold the saw firmly, and then pivot the shoe to the desired angle.

**OPERATING INSTRUCTIONS****TURNING ON AND OFF (fig 2)**

1. Connect the power cord of your reciprocating saw to a standard household power outlet.
2. To turn the saw ON, depress the variable-speed trigger switch.
3. To turn the tool OFF, release the trigger switch.

GENERAL CUTTING (fig 6)

1. Make sure that the workpiece is firmly clamped.
2. Use the appropriate type and size of blade for the workpiece material and size.
3. Adjust the pivot shoe as necessary to expose unworn blade teeth for longer blade life.
4. Check for clearance behind the workpiece so that the blade will not impact another surface.
5. Clearly mark the line of cut on the workpiece. If cutting metal, apply cutting oil on the line.
6. Connect the power cord of your reciprocating saw to a standard household power outlet.
7. Hold the saw firmly with both hands. Make sure to keep your hands on the insulated gripping areas only.
8. Depress the trigger switch to start the saw and bring it to the maximum desired cutting speed before applying the blade to the workpiece.
9. Do not force the tool. Place the shoe firmly on the workpiece while cutting. Use only enough steady pressure on the blade to keep the saw cutting.
10. Reduce pressure as the blade comes to the end of the cut.
11. Release the trigger switch. Allow the saw to come to a complete stop before removing the blade from the workpiece.
12. If sawing fiberglass, plaster, wallboard, or spackling compound, clean the motor vents frequently with a vacuum or compressed air. These materials are highly abrasive and may accelerate the wear on motor bearings and brushes.



NOTICE: Cutting speeds should vary with the workpiece. Hard materials, such as metals, require lower speeds; for softer materials use higher speeds.

**WARNING!**

- Before plugging in the tool, always check to determine that the switch performs properly and returns to the "OFF" position when released.
- Hold the tool only by the plastic handle and the insulated grip area to help prevent electrical shock. When sawing into walls or floors you may encounter electrical wiring. Sawing into a "live" wire will cause electric shock.
- Do not allow familiarity with the saw to make you careless. One careless fraction of a second is enough to inflict serious injury.

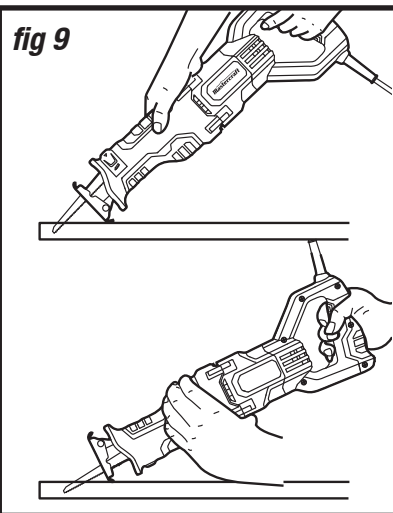
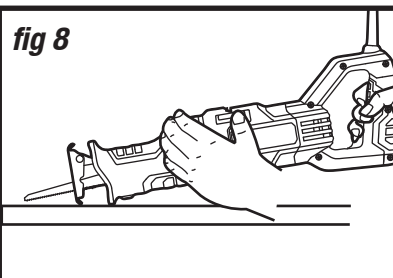
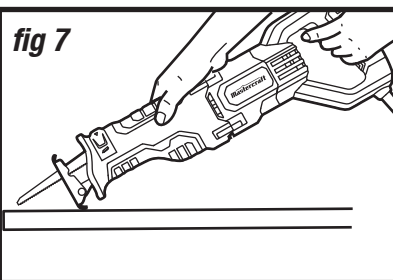
PLUNGE CUTTING

Your reciprocating saw is ideal for plunge cutting directly into surfaces that cannot be cut from an edge, such as walls or floors.

Plunge cutting may be done two ways, depending on how the blade is inserted.

In thick materials and in harder materials, such as metal, plunge cutting should not be attempted. Such materials can be cut with the reciprocating saw only by starting the cut from the edge of the material or from a hole drilled all the way through the material that is large enough to accommodate the saw blade.

1. Insert the blade into the tool. If the blade was inserted with the teeth facing down toward the lower surface of the tool, hold the tool as shown in fig 7, resting the edge of the shoe on the workpiece. If the blade was inserted with the teeth facing up toward the upper surface of the tool, hold the tool as shown in fig 8, resting the edge of the shoe on the workpiece as shown.
2. Raise the blade so that it is just above the workpiece and does not contact the workpiece.
3. With the blade just above the workpiece, depress the trigger switch. Then using the edge of the shoe as a pivot, lower the blade into the workpiece (fig 9).



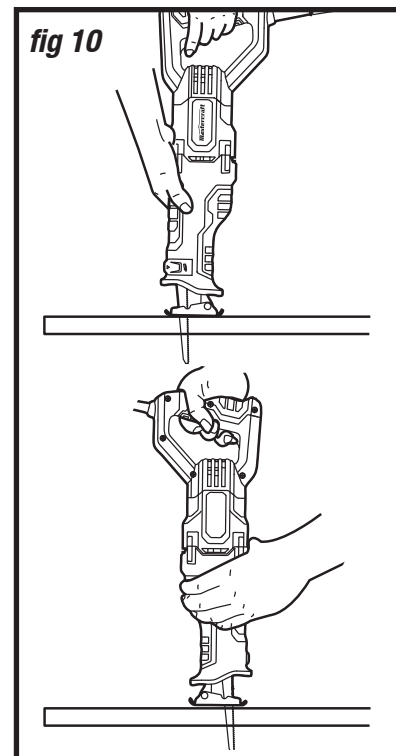
4. As the blade starts cutting, raise the handle of the tool slowly until the shoe rest firmly on the workpiece. Then guide the tool along your cutting line to acquire the desired cut.
5. After the blade has penetrated through the workpiece, continue sawing along the marked cutting line (fig 10).
6. Release the trigger switch. Allow the saw to come to a complete stop before removing the blade from the workpiece.

METAL CUTTING

The saw can be used to cut metals, such as sheet steel, pipe, steel rods, aluminum, brass, and copper. Be careful not to twist or bend the saw blade. Do not force the tool.

The use of cutting oil is recommended when cutting soft metals and steel. Cutting oil will keep the blade cool, increase cutting action, and prolong blade life.

1. Securely clamp the workpiece in position, and make the cut close to the clamping point in order to minimize vibration of the work being cut.
2. When cutting conduit pipe or angle iron, clamp the work in a vise, if possible, and cut close to the vise.
3. To cut thin sheet material, "sandwich" the material between pieces of hardboard or plywood, and clamp the layers together in order to reduce vibration and tearing of the material.



WARNING!

- Do not plunge cut into metal surfaces.



WARNING!

- To reduce the risk of explosion, electric shock and property damage, always check the work area for hidden gas pipes, electrical wires or water pipes when making blind or plunge cut.
- To avoid loss of control and serious injury, make sure that the blade reaches maximum speed before touching it to the workpiece.
- Never use gasoline as a cutting oil, because normal sparking could ignite the fumes.

MAINTENANCE**BEFORE EACH USE**

1. Inspect the reciprocating saw, the trigger switch, the cord and the accessories for damage.
2. Check for damaged, missing, or worn parts.
3. Check for loose screws, misalignment or binding of moving parts, or any other condition that may affect the operation.
4. If abnormal vibration or noise occurs, turn the tool off immediately and have the problem corrected before further use.
5. Unplug the tool from the power source before cleaning or performing any maintenance.
6. Using compressed air may be the most effective cleaning method. Always wear safety goggles when cleaning tools using compressed air

**WARNING!**

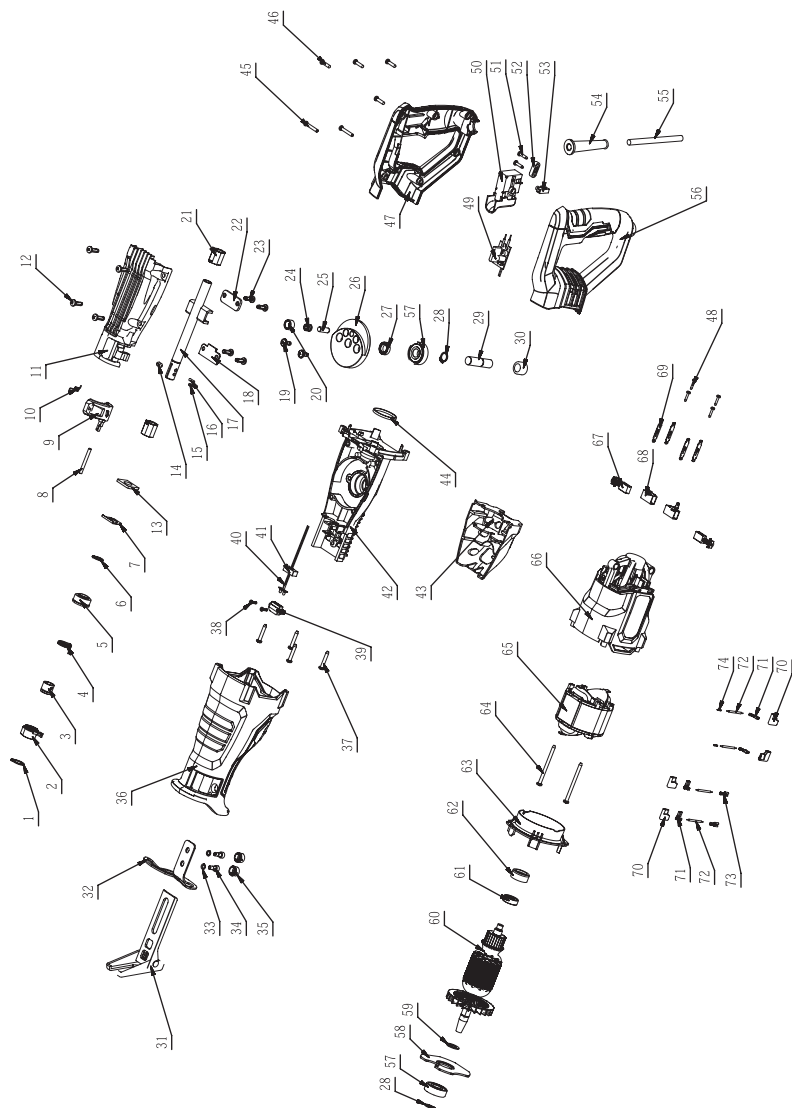
- Do not allow brake fluids, gasoline and petroleum-based products, penetrating oil, etc. come into contact with plastic parts. These substances contain chemicals that can damage, weaken, or destroy plastic.
- When servicing, use only identical replacement parts. The use of any other parts may create a hazard or cause damage to the product.
- Use only accessories that are recommended for this reciprocating saw by the manufacturer. Accessories that may be suitable for one tool may become hazardous when used with another tool.
- 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.
- To ensure safety and reliability, all repairs should be performed by a qualified service technician.
- If the supply cord is damaged, it must be replaced with a specially prepared cord available through the service organization.

TROUBLESHOOTING

Problem	Possible Causes	Solution
The motor does not start	The tool is not connected to a power source	Connect the tool to a power source
Blade cannot be removed	Saw dust in the clamp slot	Clean the clamp slot with a brush
Cutting is difficult	Saw blade is damaged	Replace the saw blade

If the problem remains unsolved after performing the checks described above, call the toll-free helpline at 1-800-689-9928.

EXPLODED VIEW



No.	Part No.	Description
1	5660145000	Circlips For Shaft
2	3421211000	Rotate Bush
3	3550610000	Bush
4	3660386000	Torsion Spring
5	3125769000	Sleeve
6	5660032000	Circlips For Shaft
7	3704941000	support
8	5670285000	Pin
9	3703947000	Lever Insert
10	3660260000	Torsion Spring
11	3421570000	Gear Case Cover
12	5610058000	Thread Forming Screw
13	3700546000	Felt Block
14	5670303000	Pin
15	5670199000	Pin
16	5670194000	Pin
17	2822967000	Plunger Assembly
18	3700364000	Bearing Clamp
19	5620396000	Screw with Washer
20	3551374000	Crank Roller
21	3520736000	Aligning Bearing
22	3704640000	Clamp
23	5610057000	Thread Forming Screw
24	5700212000	Needle Bearing
25	3550279000	Pin
26	3550999000	Gear
27	3520358000	Bush
28	5660013000	Circlips For Shaft
29	3551611000	Gear Shaft
30	5700182000	Needle Bearing
31	2823945000	Pivot Shoe
32	3705689000	Front Handle Support
33	5650015000	Spring Washer

No.	Part No.	Description
34	5620018000	Hexagon Socket Screw
35	3122839000	Screw Cover
36	3124649000	English Name
37	5610044000	Tapping Screw
38	5610099000	Thread Forming Screw
39	3123890000	LED Cover
40	4890433000	PCB Assembly
41	3123891000	LED Holder
42	3421571000	Gear Case
43	3127564000	Handle Support
44	3121057000	Rubber Ring
45	5610034000	Tapping Screw
46	5610103000	Tapping Screw
47	3321814000	Right Handle
48	5610008000	Tapping Screw
49	4890462000	PCB Assembly
50	4870419000	Trigger Switch
51	5610024000	Tapping Screw
52	3120234000	Cord Anchorage
53	4930004000	Connector
54	3121045000	Cord Guard
55	4810002000	Power Cord & Plug
56	3321815000	Left Handle
57	5700015000	Ball Bearing
58	3704797000	Bearing Clamping Plate
59	3700335000	Washer
60	2750932000	Rotor
61	5700008000	Ball Bearing
62	3121776000	Bearing Holder
63	3127561000	Fan Baffle
64	5610049000	Tapping Screw
65	2740115000	Stator
66	3124917000	Motor Housing

No.	Part No.	Description
67	4960030000	Carbon Brush
68	2800032000	Brush Holder
69	4930352000	Terminal
70	4930008000	Sleeve

No.	Part No.	Description
71	4930038000	Receptacle
72	4860005000	Inner Wire
73	4930030000	Receptacle
74	4930064000	Shark Teeth Terminal

If any parts are missing or damaged, or if you have any questions, please call the Toll-free Helpline, at 1-800-689-9928.



This Mastercraft product is guaranteed for a period of **3 years from the date of original retail purchase** against defects in workmanship and materials, except for the following components:

- a) Component A: Batteries, chargers and carrying case, which are guaranteed for a period of 2 years from the date of original retail purchase against defects in workmanship and materials;
- b) Component B: Accessories, which are guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any costs of labour relating thereto.

These warranties are subject to the following conditions and limitations:

- a) a bill of sale verifying the purchase and purchase date must be provided;
- b) this warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable owner's manual or operating instructions) or which is being used for industrial, professional, commercial or rental purposes;
- c) this warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product that are expected to become inoperative or unusable after a seasonable period of use;
- d) this warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups or adjustments;
- e) this warranty will not apply where damage is caused by repairs made or attempted by others (i.e. persons not authorized by the manufacturer);
- f) this warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
- g) this warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;
- h) this warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners; and
- i) this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional Limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

Notice to Consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

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