

Mastercraft
MAXIMUM

7 1/4" CIRCULAR SAW



model no. 054-8330-8

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 product.

TECHNICAL SPECIFICATIONS

Rated voltage	120V~,60Hz
Rated power input	15A
No load speed	5600 RPM
Blade	7 1/4" (184 mm) (24-tooth) titanium-tipped
Bevel capacity	0-55°
Maximum cutting depth	2 3/8" (60 mm) at 90° 1 13/16" (46 mm) at 45°
Weight	10 lb 3 oz (4.67 kg)

RULES FOR SAFE OPERATION**KNOW YOUR TOOL**

To operate this tool, carefully read this Instruction Manual and all labels affixed to the circular saw. 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 CAREFULLY**SAVE THESE INSTRUCTIONS****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 mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- **Keep the 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 the 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 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

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use the 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.
- **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 the switch is in the off-position before connecting to power source and/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 these 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 INSTRUCTIONS FOR ALL SAWS

- **Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.
- **Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade teeth should be visible below the workpiece.
- **Never hold piece being cut in your hands or across your leg. Secure the workpiece to a stable platform.** It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
- **Hold the power tool only by the 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.
- **When ripping, always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduces the chance of blade binding.
- **Always use blades with correct size and shape (diamond versus round) of arbor holes.** Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
- **Never use damaged or incorrect blade washers or bolt.** The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.



DANGER!

- Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.

FURTHER SAFETY INSTRUCTIONS FOR ALL SAWS

KICKBACK CAUSES AND RELATED WARNINGS

- **Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator.**
- **When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator.**
- **If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.**
- **Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.**
- **Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- **When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion, or kickback may occur.** Investigate and take corrective actions to eliminate the cause of blade binding.
- **When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.
- **Support large panels to minimize the risk of blade pinching and kickback.** Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
- **Do not use dull or damaged blades.** Unsharpened or improperly set blades produce a narrow kerf, causing excessive friction, blade binding and kickback.
- **Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.
- **Use extra caution when sawing into existing walls or other blind areas.** The protruding blade may cut objects that can cause kickback.






SAFETY INSTRUCTIONS FOR LOWER GUARD OF SAWS

- **Check the lower guard for proper closing before each use. Do not operate the saw if the lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** If the saw is accidentally dropped, the lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

- **Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- **The lower guard may be retracted manually only for special cuts, such as “plunge cuts” and “compound cuts”.** Raise the lower guard by retracting the handle and then, as soon as blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.
- **Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

ADDITIONAL SAFETY GUIDELINES FOR CIRCULAR SAWS

- **Keep hands away from the cutting area and the blade.** Keep your second hand on the auxiliary handle or motor housing. If both hands are holding the saw, they cannot be cut by the blade.
- **Do not use any abrasive wheels with circular saw.**
- **The label on your tool may include the following symbols. The symbols and their definitions are as follows:**

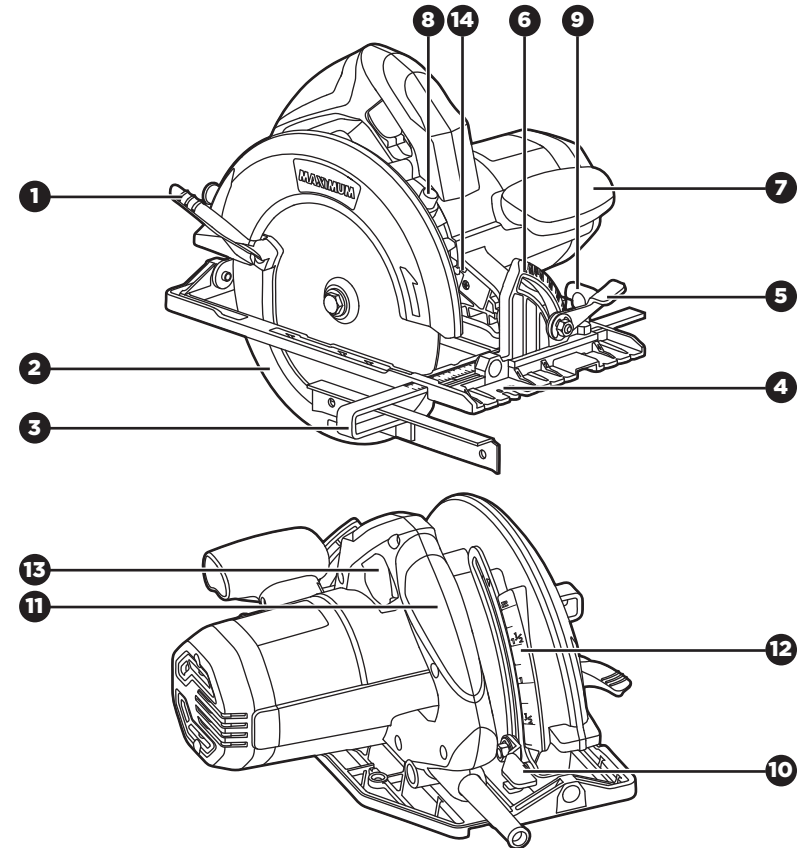
V	Volts
A	Amperes
Hz	Hertz
W	Watts
min	Minutes
	Alternating current
	Direct current
n ₀	No-load speed
	Class II Construction
.../min	Revolutions or reciprocation per minute
	Grounding terminal
BPM	Beats per minute
	WARNING - To reduce the risk of injury, user must read instruction manual.

- **Know your power tool. Read the instruction manual carefully.** Learn the applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire or serious injury.

- **Always wear safety glasses or eye shields when using this saw.** Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses.
- **Protect your lungs.** Wear a face mask or dust mask if the operation is dusty.
- **Protect your hearing.** Wear appropriate personal hearing protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.
- **All vistors and bystanders must** wear the same safety equipment required for the operator.
- **Always check the tool for damaged parts.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine if it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. A guard or other part that is damaged should be properly repaired or replaced by a qualified service technician.
- **Inspect and remove all nails from lumber before sawing.**

PACKAGE CONTENTS

Circular saw, saw blade, edge guide, blade wrench, and instruction manual

KEY PARTS DIAGRAM**WARNING!**

- Remove the circular saw from the package and examine it carefully. Do not discard the carton or any packaging material until all parts have been examined.
- If any part of the circular saw is missing or damaged, do not plug the tool in or use it until the part has been repaired or replaced. Failure to heed this warning could result in serious injury.

NO.	PART
1	Lower blade guard handle
2	Lower blade guard
3	Edge guide
4	Base plate
5	Bevel-lock lever
6	Bevel gauge
7	Auxiliary handle

NO.	PART
8	Spindle lock
9	Edge-guide locking knob
10	Depth-adjustment lever
11	Main handle
12	Depth scale
13	Trigger switch
14	LED work light

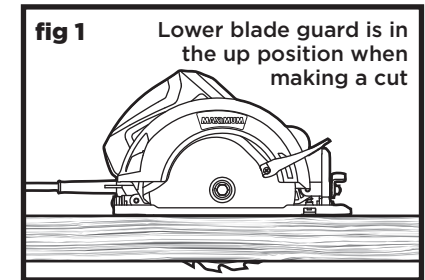
IMPORTANT INFORMATION**SAW BLADES**

The best of saw blades will not cut efficiently if they are not kept clean, sharp, and properly set. Using a dull blade will place a heavy load on the saw and increase the danger of kickback. Keep extra blades on hand so that sharp blades are always available.

Gum and wood pitch hardened on blades will slow the saw down. Remove the saw blade from the saw, and use gum and pitch remover, hot water, or kerosene to remove these accumulations. **DO NOT USE GASOLINE.**

BLADE GUARD SYSTEM (fig 1)

The lower blade guard on the circular saw is there for the operator's protection and safety. Do not alter it for any reason. If it becomes damaged or begins to run slowly or sluggishly, DO NOT operate the saw until the damaged part has been repaired or replaced. ALWAYS leave the guard in its correct operating position when using the saw.



If, at any time, the lower blade guard does not snap closed, unplug the saw from the power supply. Exercise the lower guard by moving it rapidly back and forth from the full open position to the closed position several times. This will often restore the guard to its normal operating condition. If this does not correct a slow or sluggishly closing lower guard, do not use the saw. Take it to an qualified service technician for repair.

**DANGER!**

- When sawing through a workpiece, the lower blade guard does not cover the blade on the underside of the workpiece. Since the blade is exposed on the underside of the workpiece, ALWAYS keep hands and fingers away from the cutting area. Serious injury will result if any part of the body comes into contact with the moving blade.

CAUTION!

- To avoid the possibility of serious injury, never use the saw when the guard is not operating correctly. Check the guard for correct operation before each use. The guard is operating correctly when it moves freely and instantly returns to the closed position. If the saw is dropped, check the lower blade guard and bumper for damage at all depth settings before using it.

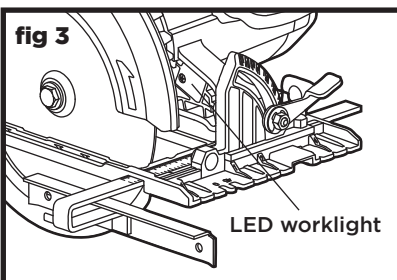
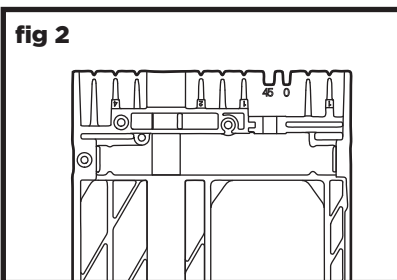
KERF INDICATOR (fig 2)

The front of the saw shoe has a kerf indicator for vertical and bevel cutting. This indicator enables you to guide the saw along cutting lines penciled on the workpiece. The indicator lines up with the left side of the saw blade.

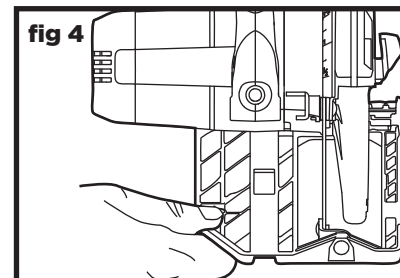
LED WORKLIGHT (fig 3)

The LED worklight turns on automatically when the tool is plugged into a power source.

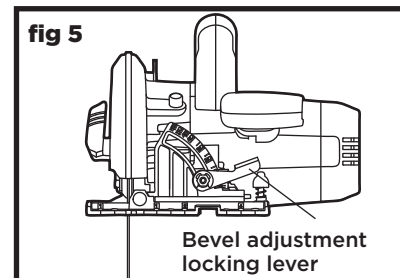
This provides additional light on the surface of the workpiece for operation in lower-light conditions.

**ASSEMBLY AND ADJUSTMENT INSTRUCTIONS****DEPTH-OF-CUT ADJUSTMENT (fig 4)**

1. Unplug the saw.
2. Pivot the depth-adjustment lever upward to release it.
3. Determine the desired depth of cut.
4. Hold the base flat against the workpiece, and raise or lower the saw until the indicator mark on the saw aligns with the desired depth on the scale.
5. Push down on the depth-adjustment lever to lock it into position.

**ADJUSTING THE CUTTING ANGLE (BEVEL) (fig 5)**

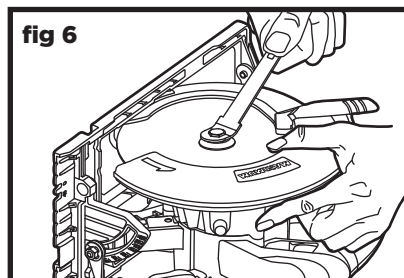
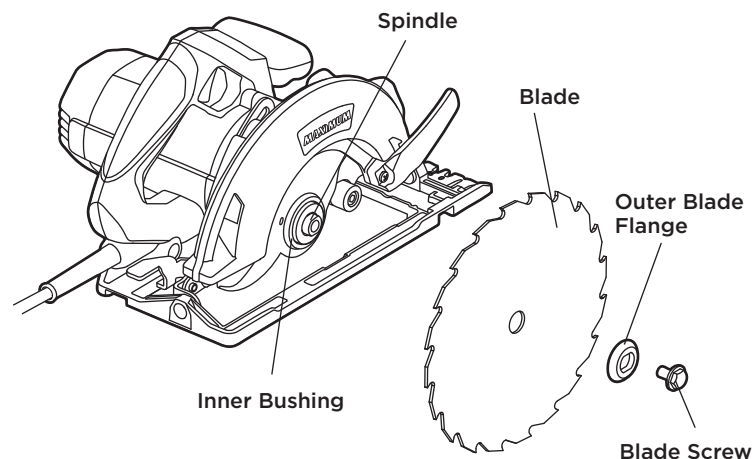
1. Unplug the saw.
2. Loosen the bevel-lock lever, which is located on the bevel gauge on the base plate.
3. Tilt the body of the saw until the required bevel is reached (refer to the scale on the bevel gauge).
4. Tighten the bevel-lock lever.

**WARNING!**

- ALWAYS maintain the correct blade-depth setting. The correct blade-depth setting for all cuts should not exceed the thickness of the material being cut by more than 1/4" (6.5 mm). Greater blade depth will increase the chance of kickback, and cause the cut to be rough.

**CHANGING THE SAW BLADE
(fig 6-7)****TO REMOVE THE SAW BLADE**

1. Unplug the saw.
2. Loosen the depth adjustment lever, and fully raise the saw, and lock the saw in the raised position. Place the saw on its side on flat surface.
3. Depress and hold the spindle-lock button, and use the blade wrench to loosen the blade screw by turning it counter-clockwise.
4. Remove the blade screw and the outer blade flange.
5. Lift the lower blade guard and remove the blade.

**fig 6****fig 7****TO INSTALL THE SAW BLADE**

1. Unplug the saw.
2. Depress and hold the spindle-lock button.
3. Remove the blade screw by turning it counter-clockwise with the wrench (included) while keeping the spindle-lock button depressed.
4. Remove the outer blade washer ("D" Washer).
5. Retract the lower blade guard into the upper blade guard with the lower blade guard lever. Make sure that the lower guard spring works properly and allows the guard to move freely.
6. Verify that the saw teeth, the arrow on the saw blade and the arrow on the lower guard are all pointing in the same direction.
7. Fit the saw blade inside the lower blade guard and onto the spindle.
8. Replace the "D" washer.
9. Depress and hold the spindle-lock button, and replace the blade screw.
10. Tighten the blade screw securely by turning it clockwise using the wrench.

NOTICE:

- The saw teeth should point upward at the front of the saw, as shown in fig 9.
- Never use a blade that is too thick to allow the "D" washer to engage with the flat section of the spindle.

**WARNING!**

- To prevent personal injury, always disconnect the plug from the power source before installing or removing the saw blade!

**WARNING!**

- If the inner flange bushing has been removed, replace it before placing the blade on the spindle. Failure to do so will prevent the blade from tightening properly, and could result in serious personal injury.

OPERATING INSTRUCTIONS

Before attempting to use this circular saw, become familiar with all of its operating features and safety requirements

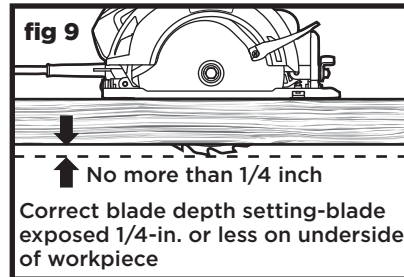
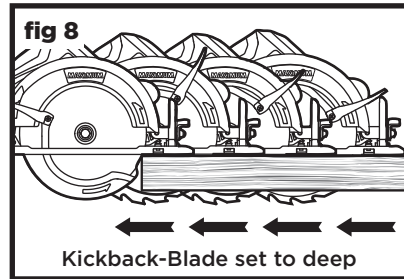
This saw can be used for the purpose listed below: Cutting all types of wood and wood products

KICKBACK (figs 8-11)

Kickback occurs when the blade stalls rapidly and the saw is driven back toward the operator. Blade stalling is caused by any action that pinches the blade in the wood.

To guard against kickback, avoid dangerous practices such as the following:

- Setting the blade depth incorrectly.
- Sawing into knots or nails in the workpiece.
- Twisting the blade while making a cut.
- Making a cut with a dull, gummed up, or improperly set blade.
- Supporting the workpiece incorrectly.
- Forcing a cut.
- Cutting warped or wet lumber.
- Operating the tool incorrectly or misusing the tool.



NOTICE: The use of abrasive cut-off wheels is not recommended with this saw.

**WARNING!**

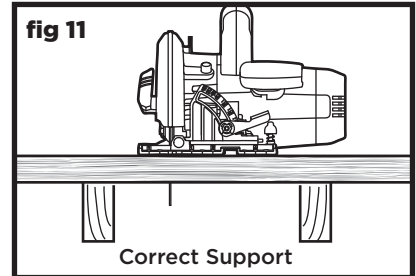
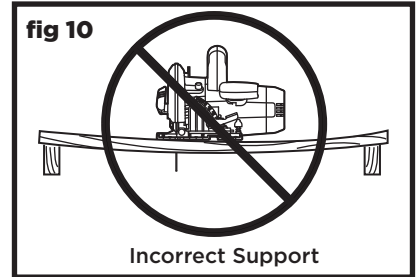
- Do not allow familiarity with tools to cause carelessness. Remember that a fraction of a second of carelessness is sufficient to inflict serious injury.
- Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into the operator's eyes, resulting in possible serious injury.

DANGER!

- Release the switch immediately if the blade binds or the saw stalls. Kickback could cause loss of control of the saw. Loss of control can lead to serious personal injury.

To reduce the chance of kickback, follow these safety practices:

- Keep the blade at the correct depth setting. The depth setting should not extend more than 1/4" below the material that is being cut.
- Inspect the workpiece for knots or nails before cutting. Never saw into a knot or nail.
- Make straight cuts. Always use a straight edge guide when rip cutting. This helps prevent the blade from twisting.
- Use clean, sharp, and properly set blades. Never make cuts with dull blades.
- Support the workpiece properly before beginning a cut.
- Use steady, even pressure when making a cut. Never force a cut.
- Do not cut warped or wet lumber.
- Hold the saw firmly with both hands, and maintain a balanced position in order to resist the forces if kickback should occur.

**WARNING!**

- When using the saw, always stay alert and exercise control. Do not remove the saw from the workpiece while the blade is moving.

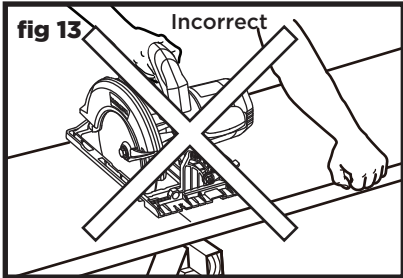
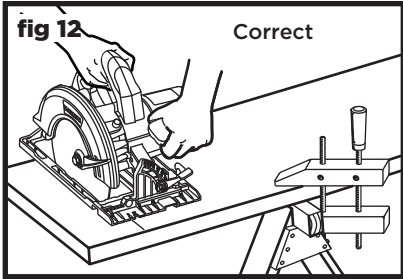
START A CUT

ALWAYS use your saw with your hands **positioned correctly**, with one hand on the main handle and operating the trigger switch and the other hand on the front assist handle (fig 12).

NEVER use the saw with your hands **positioned as shown in fig 13**

To make the best possible cut, follow these helpful hints.

1. Hold the saw firmly with both hands.
2. Avoid placing your hand on the workpiece while making a cut.
3. Support the workpiece so that the cut is always to the operator's side.
4. Support the workpiece near the cut.
5. Clamp the workpiece securely so that the workpiece will not move during the cut.
6. Always place the saw on the portion of the workpiece that is supported, and not on the "cut off" piece.
7. Place the workpiece with the "good" side down.
8. Draw a guideline along the desired cutting line before beginning the cut.
9. Keep the cord away from the cutting area. Always place the cord so that it is not hanging on the workpiece while making a cut.



DANGER!

- When lifting the saw from the workpiece, the blade is exposed on the underside of the saw until the lower blade guard closes. Make sure that the lower blade guard is closed before setting the saw down.
- If the cord hangs on the workpiece during a cut, release the switch trigger immediately. Unplug the saw and reposition the cord in order to prevent it from hanging again.
- Using a saw with a damaged cord could result in serious injury or death. If the cord has been damaged, have it replaced before using the saw again.

WARNING!

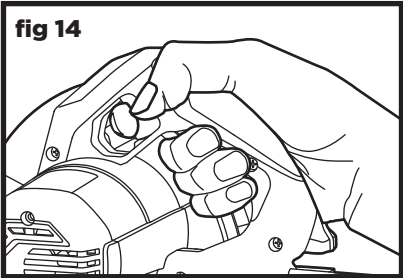
- To make sawing easier and safer, always maintain proper control of the saw. Loss of control could cause an accident, resulting in possible serious injury.

TURNING THE SAW ON AND OFF (fig 14)

To turn on: Depress the switch trigger.

Always allow the blade reach full speed before guiding the saw into the workpiece.

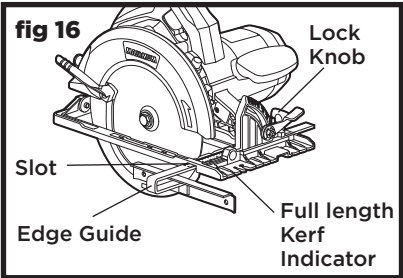
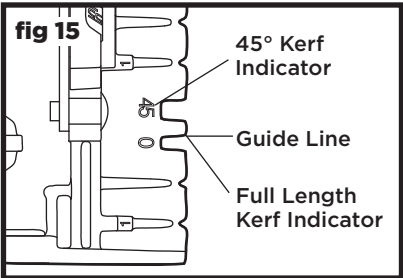
To turn off: Release the switch trigger. After releasing the switch trigger, allow the blade to come to a complete stop. Do not remove the saw from the workpiece while the blade is moving.



MAKING CROSSCUT OR RIP CUT (figs 15-17)

When making a crosscut or rip cut, align the guideline with the full-length kerf indicator on the base, as shown in fig 14-15. The distance from the saw blade to the saw base is approximately 5" (12.7 cm) on the left side of the saw and 1-1/2" (3.8 cm) on the right side.

Blade thicknesses vary, so you should always make a trial cut in scrap material along a guideline to determine how much the guideline must be offset from the guide in order to produce an accurate cut.



NOTE: The distance from the cutting line to the guideline is the amount by which the guide should be offset.

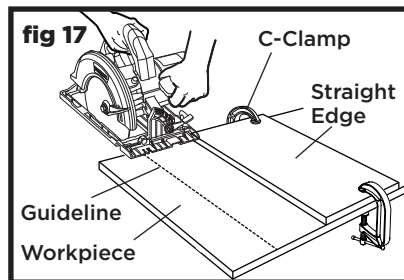


WARNING!

- If the blade comes into contact with the workpiece before it reaches full speed, this may cause the saw to "kick back" toward the operator, resulting in serious injury.

RIP CUTTING USING THE EDGE GUIDE (fig 17)

1. Unplug the saw.
2. Slide the edge guide into the slot.
3. Align the guideline with the full-length kerf indicator on the base.
4. Adjust the guide so that the "O" on the edge guide is aligned with the edge of the workpiece.
5. Secure the edge guide with the edge-guide locking knob.
6. Secure the workpiece.
7. Plug in the saw.
8. Position the face of the edge guide firmly against the edge of workpiece, and rest the front edge of the base on the workpiece.
9. Depress the trigger switch to start the saw.
10. Allow the blade to reach full speed, then guide the saw into the workpiece and make the cut.
11. Release the trigger switch and allow the blade to come to a complete stop.
12. Lift the saw from the workpiece.

**RIP CUTTING USING A STRAIGHT EDGE (fig 17)**

1. Secure the workpiece.
2. Clamp a straight edge to the workpiece using C-clamps (available separately).
3. Depress the trigger switch to start the saw.
4. Allow the blade to reach full speed, then guide the saw into the workpiece and make the cut.
5. Saw along the straight edge to achieve a straight rip cut.
6. Release the trigger switch and allow the blade to come to a complete stop.
7. Lift the saw from the workpiece.

NOTICE:

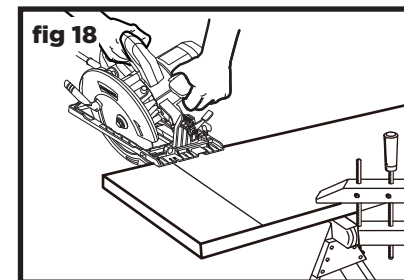
- The guiding edge of the workpiece must be straight in order for the cut to be straight. Use caution to prevent the blade from binding in the cut.
- Do not bind the blade in the cut.
- Position the C-clamps so that they will not interfere with the saw housing during the cut.

MAKING BEVEL CUT (fig 18)**To make the best possible cut:**

1. Align the cutting line with the kerf indicator (as shown in fig 14) on the base when making 45° bevel cuts.
2. Make a trial cut in scrap material along a guideline to determine the amount to offset the guideline on the cutting material.
3. Adjust the angle of cut to any desired setting between 0° and 55°.

To make a bevel cut

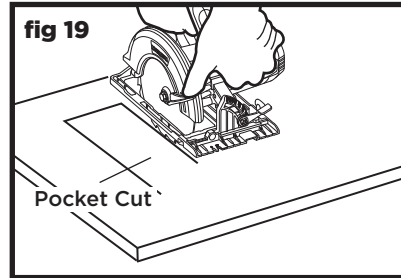
1. Hold the saw firmly with both hands, as shown.
2. Rest the front edge of the base on the workpiece.
3. Start the saw, and allow the blade to reach full speed.
4. Guide the saw into the workpiece, and make the cut.
5. Release the trigger, and allow the blade to come to a complete stop.
6. Lift the saw from the workpiece.

**WARNING!**

- Attempting a bevel cut without having the bevel-lock lever securely locked in place can result in serious injury.

POCKET CUTTING (fig 19)

1. Unplug the saw.
2. Adjust the bevel setting to 0°.
3. Set the blade to the correct blade-depth setting.
4. Plug in the saw.
5. Swing the lower blade guard up using the lower blade guard handle.
6. Hold the lower blade guard in place with the blade guard lever.
7. Rest the front of the base flat against the workpiece, with the rear of the handle raised so that the blade does not touch the workpiece.
8. Start the saw, and allow the blade to reach full speed.
9. Lower the saw into the workpiece, and make the cut.
10. Release the trigger, and allow the blade to come to a complete stop.
11. Lift the saw from the workpiece.
12. Clear the corners out with a hand saw or sabre saw.



MAINTENANCE

Using compressed air may be the most effective cleaning method. Always wear safety goggles and a dust mask when cleaning tools using compressed air.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the service organization.

BEFORE EACH USE:

- Inspect the saw, the switch, and the cord for damage.
- Check for damaged, missing, or worn parts.
- Check for loose screws, misalignment or binding of moving parts, or any other condition that may affect the operation.
- If abnormal vibration or noise occurs, turn the saw off immediately, and have the problem corrected before further use.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the tool under normal operating conditions. Therefore, no further lubrication is required.

NOTE: Always raise the lower blade guard with the handle to avoid serious injury.



WARNING!

- Always adjust the bevel setting to 0° before making a pocket cut. Attempting a pocket cut at any other setting can result in loss of control of the saw and possible serious injury.
- Always cut in a forward direction when pocket cutting. Cutting in the reverse direction could cause the saw to climb up on the workpiece and kick back toward the operator.
- Never tie the lower blade guard in a raised position. Leaving the blade exposed could lead to serious injury.



WARNING!

- To ensure safety and reliability, all repairs should be performed by a qualified service technician.
- When servicing, use only identical replacement parts. The use of any other parts may create a hazard or cause damage to the product.
- Unplug the saw from the power source before cleaning or performing any maintenance.
- Do not allow brake fluids, gasoline, petroleum-based products, penetrating oil, etc. to come into contact with plastic parts. These substances contain chemicals that can damage, weaken, or destroy plastic.

TROUBLESHOOTING

PROBLEM	CAUSE OF THE PROBLEM	SUGGESTED CORRECTIVE ACTION
Blade binds, jams, or burns the wood	Improper blade	Replace the blade
	Dull blade	Replace the blade
	Blade is on backwards	Re-install the blade
	Warped blade	Replace the blade
	Workpiece is not properly supported	Refer to the section START A CUT to support the workpiece
If blade dose not follow a straight line	Teeth are dull	Replace the blade
	Base is out of line or bent	Contact service center to repair
	Blade is bent	Replace the blade
	Edge guide or straight edge is not being used	Refer the manual to use edge guide or straight edge
Saw vibrates or shakes	Damaged blade	Replace the blade
	Loose blade	Tighten blade screw

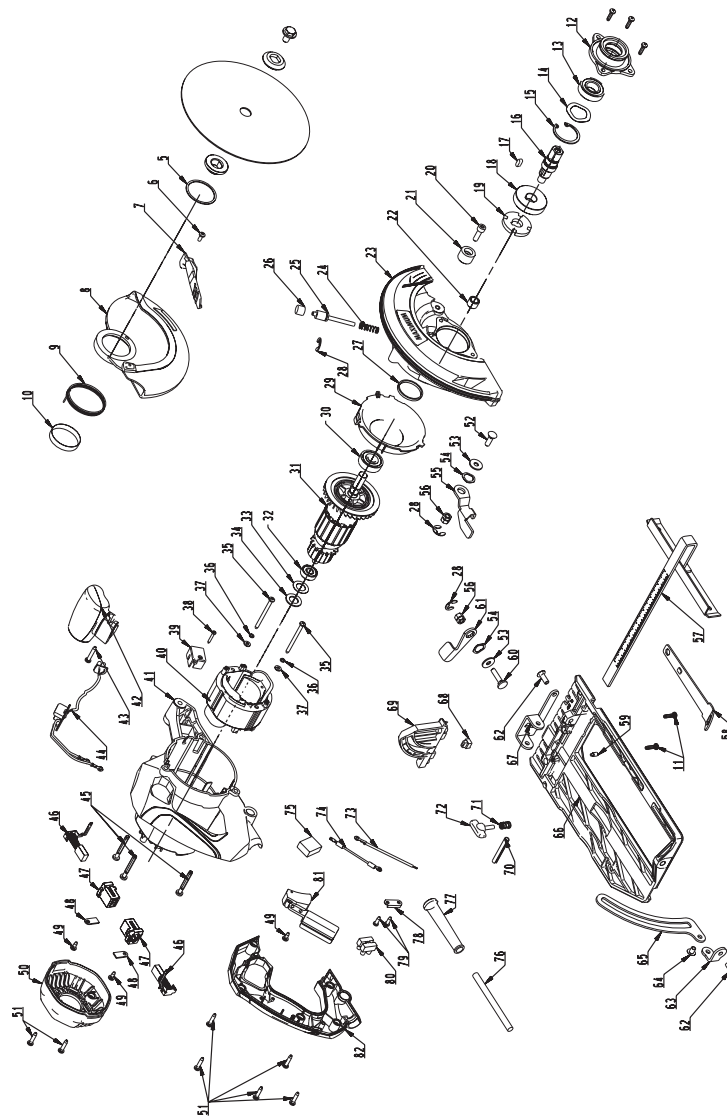
If the problem remains unsolved after performing the checks described above, call the toll-free helpline at 1-800-689-9928.



WARNING!

- Turn the ON/OFF switch to the “OFF” position and unplug the saw from the power source before performing troubleshooting procedures.

EXPLODED VIEW



No.	Part No.	Description
1	5620358000	Flange Bolt
2	3550222000	Clamp
3	3810040000	Blade
4	3550225000	Inner Flange
5	5660030000	Circlips For Shaft
6	5620039000	Screw
7	3121379000	Moving Guard Lever
8	3420334000	Lower Guard
9	3660170000	Torsion Spring
10	3700586000	Bushing
11	5610094000	Thread Forming Screw
12	3420311000	Gear Case Cover
13	5700019000	Ball Bearing
14	3700281000	Wave Washer
15	5660023000	Circlips For Hole
16	3551045000	Gear Shaft
17	5680160000	Plain Key
18	3551043000	Gear
19	3550240000	Lock Ring
20	5620334000	Hexagon Socket Screw
21	3124384000	Stopper
22	5700041000	Oil Impregnating Bearing
23	3421262000	Gear Case
24	3660072000	Spring
25	3550540000	Sping Lock

No.	Part No.	Description
26	3120560000	Button
27	3121057000	Rubber Ring
28	5660010000	E Ring
29	3126067000	Fan Baffle
30	5700015000	Ball Bearing
31	2750946000	Rotor
32	5700008000	Ball Bearing
33	3700249000	Washer
34	3121049000	Rubber Spring
35	5610048000	Tapping Screw
36	5650007000	Spring Washer
37	5650005000	Plain Washer
38	5610014000	Tapping Screw
39	3126069000	Transparent Cap
40	2740312000	Stator
41	3321250000	Motor Housing
42	3320179000	Front Handle
43	5610044000	Tapping Screw
44	4890829000	PCB Assembly
45	5610062000	Thread Forming Screw
46	4960286000	Carbon Brush Assembly
47	2800006000	Brush Holder
48	3700539000	Epoxy Board
49	5610029000	Tapping Screw
50	3126066000	Rear Cover

No.	Part No.	Description
51	5610042000	Tapping Screw
52	5620150000	Screw
53	5650017000	Plain Washer
54	3700257000	Wave Washer
55	3700308000	Lever
56	5630043000	Nut
57	3700663000	Rip Fence
58	3700865000	Wrench
59	5620017000	Hexagon Socket Screw
60	5620147000	Screw
61	3700242000	Lever
62	5680012000	Rivet
63	3704593000	Support
64	5680009000	Rivet
65	3704591000	Depth Bracket
66	3421263000	Base Plate

No.	Part No.	Description
67	3705054000	Support Plate
68	3126280000	Limiting Piece
69	3421297000	Angle Support
70	5670263000	Spring Pin
71	3660071000	Spring
72	3400012000	Wing Bolt
73	2822024000	Inner Wire Assembly
74	2822811000	Inner Wire Assy2
75	3700540000	Sponge
76	4810000000	Power cord
77	3121050000	Cord Guard
78	3700367000	Cord Anchorage
79	5610093000	Tapping Screw
80	4930432000	Connector
81	4870097000	Switch
82	3321251000	Left Handle Assembly

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

5-YEAR LIMITED WARRANTY

This Mastercraft Maximum product is guaranteed against defects in workmanship and materials for a period of 5 years from the date of original retail purchase, with the exception of the following components:



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

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 labour costs relating thereto.

This warranty is 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 that is worn or broken, or that 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 that 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 and that are expected to become inoperative or unusable after a reasonable period of use;
- d) This warranty will not apply to routine maintenance and consumable items, including 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 if 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, including 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 but not limited to 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.

IMPORTED BY MASTERCRAFT CANADA TORONTO, CANADA M4S 2B8

