

# BENCHMARK<sup>TM</sup> MC

## 20V BRUSHLESS 7-1/4" CIRCULAR SAW



LIMITED  
**5** YEAR\*  
WARRANTY

5 Year Limited Warranty on tool  
Battery and charger not included



E114847  
JD539220

**READ ALL INSTRUCTIONS BEFORE FIRST USE.  
KEEP THIS MANUAL FOR FUTURE REFERENCE.  
KEEP AWAY FROM CHILDREN.**

Maximum initial battery voltage (measured without a load)  
is 20 volts. Nominal voltage is 18 volts.



**WEAR CSA APPROVED  
EYE PROTECTION**



**WEAR EAR  
PROTECTION**



**WEAR A  
FACE MASK**

## PRODUCT SPECIFICATIONS

<b>20V MAX BRUSHLESS 7-1/4" CIRCULAR SAW</b>	
Rating	20V
No Load Speed	4500 RPM
Blade	7-1/4" (185mm) 24Tooth Carbon Tipped
Arbor	5/8" (16mm)
Cut at 90°	2-9/16" (65mm)
Cut at 45°	2" (50mm)
Cut at 50°	1-3/4" (45mm)
Weight	6.4 lb. (2.9Kg) Tool Only
Batteries (Sold Separately)	5350-023 (2.5Ah), 5350-011 (4Ah), 5350-012 (5Ah)
Charger (Sold Separately)	5350-010 2.4Amp or 5350-022 6A Fast Charger

### NEED ASSISTANCE?

Call us on our toll-free customer support line:  
1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package




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## GENERAL SAFETY INSTRUCTIONS

**⚠️ WARNING:** Before using this tool or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions. The important precautions, safeguards and instructions appearing in this manual are not meant to cover all possible situations. It must be understood that common sense and caution are factors which cannot be built into the product.

## EYE, EAR & LUNG PROTECTION

SYMBOL	MEANING
<p><b>⚠️ DANGER</b></p> 	<p><b>ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA Z94.3 or ANSI SAFETY STANDARD Z87.1</b></p> <p>FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses ARE NOT a replacement for proper eye protection. The usage of a safety standard compliant face shield placed over proper safety glasses or goggles can reduce the risk of facial injury.</p> <p><b>Non-compliant eyewear can cause serious injury if broken during the operation of a power tool.</b></p>
<p><b>⚠️ WARNING</b></p> 	<p>Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.</p>
<p><b>⚠️ WARNING</b></p> 	<p><b>WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A POWER TOOL IN A DUSTY ENVIRONMENT.</b></p> <p>Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include:</p> <ul style="list-style-type: none"> <li>• Lead from lead-based paints</li> <li>• Crystalline silica from bricks, cement, and other masonry products</li> <li>• Arsenic and chromium from chemically treated lumber</li> </ul> <p>The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.</p>

## ELECTRICAL SAFETY

**⚠️ WARNING: To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection.**

This tool is wired at the factory for 120V AC operation. It must be connected to a 120V AC, 15 A circuit that is protected by a time-delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

**⚠️ 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.

### 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 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 residual current device (RCD) protected supply.** Use of a ground fault circuit interrupter (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 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 energizing 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 these are connected and properly used.** Use of dust collection 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 safer 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 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.

**Hold power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

**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.

### BATTERY TOOL USE AND CARE

Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

When battery pack is not in use, keep it away from metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or fire.

Under abusive conditions, liquids may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

### 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. 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.

## SPECIFIC SAFETY INSTRUCTIONS FOR BRUSHLESS 7-1/4" CIRCULAR SAW

**⚠️ WARNING: Know your circular saw. Do not plug in the tool until you have read and understand this Instruction Manual. Learn the tool's 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 eye protection. Any power tool can throw foreign objects into your eyes and cause permanent eye damage. ALWAYS wear safety goggles (not glasses) that comply with ANSI safety standard Z87.1. Everyday glasses have only impact resistant lenses. They ARE NOT safety glasses.

**⚠️ WARNING: Glasses or goggles not in compliance with ANSI Z87.1 could cause serious injury when they break.**

**⚠️ WARNING: Always use hearing protection when sawing, particularly during extended periods of operation.**

**⚠️ WARNING: Always unplug the tool from the power source before changing the blade and when making any adjustments.**

**⚠️ DANGER: Keep hands away from cutting area and 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.**

- Hold the tool by its insulated gripping surfaces when performing an operation where the saw blade 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.
- Always hold the tool with two hands. Attempting to control the tool with only one hand is dangerous. It could result in loss of control and serious injury.
- Never hold the workpiece in one hand and the tool in the other hand when sawing. Never place the hands near or below the cutting surface.
- Clamp the workpiece and guide the tool with both hands.
- Always make sure the work surface is free from nails and other foreign objects. Cutting into a nail can cause the blade and the tool to jump and damage the blade.
- Never lay the workpiece on hard surfaces like concrete, stone, etc. The protruding blade may cause tool to jump.
- After changing a blade or making adjustments, make sure the blade clamp is holding the blade securely. Loose blades could be violently thrown from the tool.
- Never use dull or damaged blades. Sharp blades must be handled with care. Damaged blades can snap during use. Dull blades require more force to cut the workpiece, possibly causing the blade to break.
- Never touch the blade during or immediately after use. After use the blade is too hot to be touched.

**⚠️ WARNING: Two handed Operation Required.** This machine requires the use of two hands to ensure safe operation and should not be used when working from ladders and step ladders. If the machine is to be used when working at height a suitable, stable platform or scaffold tower with handrails and kick boards should be used.

**⚠️ WARNING: Some wood and wood type products, especially MDF (Medium Density Fiberboard), can produce dust that can be hazardous to your health. We recommend the use of an approved face mask with replaceable filters when using this machine in addition to using the dust extraction facility.**

- 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 the 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 by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will also make exposed metal parts of the power tool "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 the 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.

## **CAUSES & OPERATOR PREVENTION OF KICKBACK**

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 operator.
- Kickback is the result of tool 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 the 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 a cut. If blade adjustment shifts while cutting, it may cause binding and kickback.
- Use extra caution when making a "plunge cut" into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

## **SAFETY INSTRUCTIONS REGARDING LOWER GUARD**

- Check 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 in the open position. If the saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the blade guard lever 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.
- Lower guard should be retracted manually only for special cuts such as “plunge cuts” and “compound cuts”. Raise lower guard by blade guard lever. As soon as blade enters the material, the lower guard must be released. For all other sawing tasks, the lower guard should operate automatically.
- Always observe that the lower guard is covering the blade before placing the saw down on bench or floor. An unprotected, coasting blade will cause the saw to walk backward, cutting whatever is in its path.
- Be aware of the time it takes for the blade to stop after the switch is released.

## **ADDITIONAL WARNINGS**

- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- Do not use this saw to cut firewood.
- Ensure that the lighting is adequate.
- Keep the area free of tripping hazards.
- Do not let anyone under the age of 18 years operate this saw.
- Always stand to one side when operating the saw.
- Never use a cracked or distorted saw blade. Only use sharp blades.
- When cutting round wood, use clamps that prevent the work piece from turning on both sides of the blade.
- Never use your hands to remove sawdust, chips, or waste close by the blade.
- Use only blades as recommended.
- Do not use blades of High-Speed Steel (HSS blades).
- Rags, cloths, cord and string and the like should never be left around the work area.
- Avoid cutting nails. Inspect the work piece and remove all nails and other foreign objects before beginning sawing.

- Never reach over the blade to remove waste or off cuts.
- Do not attempt to free a jammed blade before first switching off the machine.
- Do not slow or stop a blade with a piece of wood. Let the blade come to rest naturally.
- If you are interrupted when operating the saw, complete the process and switch off before looking up.
- Periodically check that all nuts, bolts, and other fixings are properly tightened.
- Do not store materials or equipment above a machine in such a way that they could fall into it.
- Never saw near combustible liquids or gases.
- Note the direction of rotation of the motor and the blade.
- Do not lock the movable guard in the open position and always ensure that it is working properly, freely rotating and returning to fully cover the teeth of the blade.
- Do not use any abrasive wheel unless the machine is designed for that purpose.
- The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.
- The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

## LASER LIGHT SAFETY RULES


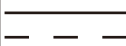












 **WARNING: Do not stare directly into the laser beam!** A hazard may exist if you deliberately stare into the beam.

Please observe all the following safety rules:

- Never aim the beam at any person or any object other than the workpiece.
- Always ensure that the laser beam is aimed at a sturdy workpiece that does not have any reflective surfaces. Wood and rough coated surfaces are acceptable. Bright shiny reflective sheet steel or similar materials are not suitable for laser use because the reflective surface could direct the beam back at the operator.
- Do not replace the laser light assembly with a different type. Repairs must be carried out by the laser manufacturer or by an authorized agent.
- Always turn the laser beam off when not in use. Leaving the tool on increases the risk of someone inadvertently staring into the laser's beam.

## SYMBOLS

**⚠️ WARNING:** Some of the following symbols may appear on the circular saw. Study these symbols and learn their meaning. Proper interpretation of these symbols will allow for more efficient and safer operation of this tool.

<b>V</b>	VOLTS		Three-phase alternating current with neutral
<b>A</b>	Amperes		Direct current
<b>Hz</b>	Hertz	<b>n<sub>0</sub></b>	No load speed
<b>W</b>	Watts		Alternating or direct current
<b>kW</b>	Kilowatts		Class II construction
<b>µF</b>	Microfarads		Splash-proof construction
<b>L</b>	Litres		Watertight construction
<b>kg</b>	Kilograms		Protective grounding at grounding terminal, Class I tools
<b>H</b>	Hours	<b>.../min</b>	Revolutions or reciprocations per minute
<b>N/cm<sup>2</sup></b>	Newtons per square centimeter	<b>∅</b>	Diameter
<b>Pa</b>	Pascals	<b>0</b>	Off position
<b>OPM</b>	Oscillations per minute		Arrow
<b>MIN</b>	Minutes		Warning symbol
<b>S</b>	Seconds		Wear your safety glasses
 or ac.	Alternating current		Wear a dust mask
 3	Three-phase alternating current		Wear hearing protection



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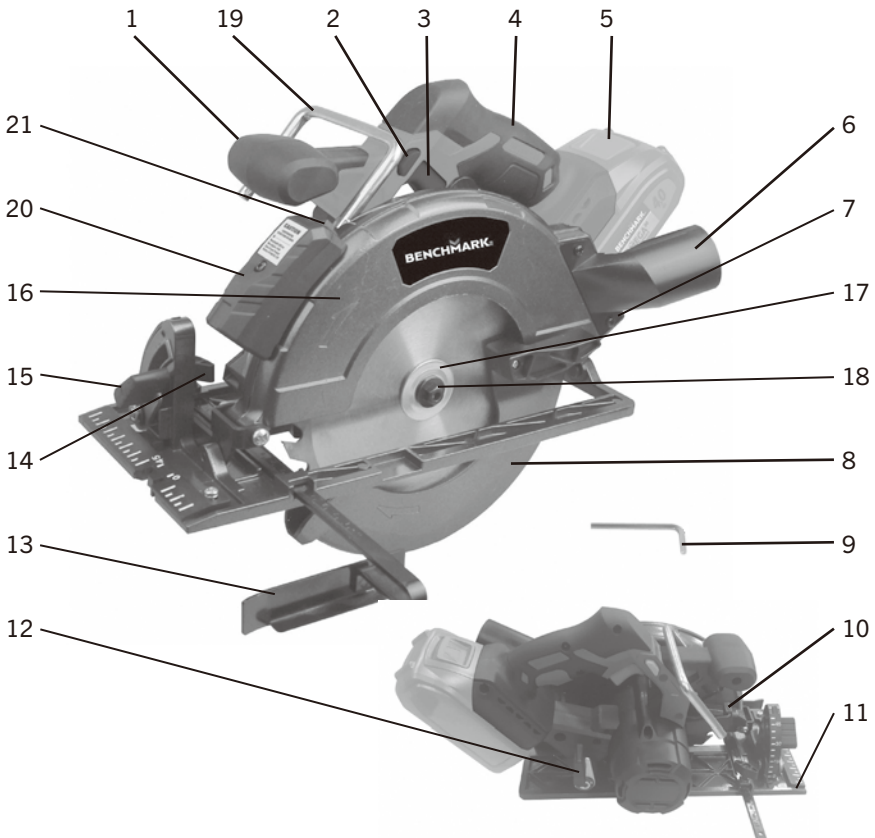
This symbol designates that this tool is listed with U.S. requirements by MET Laboratories, Inc. UL62841-1, UL62841-2-5; CSA C22.2#UL62841-1, UL62841-2-5.

## KNOW YOUR 20V MAX BRUSHLESS 7-1/4" CIRCULAR SAW

**⚠️ WARNING:** Before starting please read, understand, and apply the safety instructions. Reminder: DO NOT vacuum hazardous substances.

### FUNCTIONS

- |                                      |                             |                           |
|--------------------------------------|-----------------------------|---------------------------|
| 1. Front Handle                      | 8. Lower Blade Guard        | 15. Bevel Adjustment Knob |
| 2. Lock-Off Button                   | 9. Hex Key                  | 16. Upper Blade Guard     |
| 3. On/Off Trigger                    | 10. Spindle Lock Button     | 17. Blade Washer          |
| 4. Rear Handle                       | 11. Base Plate              | 18. Blade Screw           |
| 5. Battery Pack<br>(sold separately) | 12. Depth Adjustment Knob   | 19. Rafter Hook           |
| 6. Removable Dust Chute              | 13. Edge Guide              | 20. Laser (Adjustable)    |
| 7. Lower Blade Guard Handle          | 14. Edge Guide Locking Knob | 21. Laser On/Off Switch   |



## ASSEMBLY

### INSTALLING BLADES

A 7-1/2 in. blade is the maximum blade capacity of the saw. Never use a blade that is too thick to allow the outer blade washer to engage with the flats on the spindle. Larger blades will come in contact with the blade guard, while thicker blades will prevent blade screw from securing the blade on the spindle. Either of these situations could result in a serious accident.

**⚠️ WARNING: Always remove the battery before installing blades.**

The blade is extremely sharp and care must be observed when handling. Caution must be observed as the blade guard is spring loaded and if released may cause an injury. Rotate the blade guard into the fully open position and secure it in this position using a screwdriver or piece of wood.

1. Depress the spindle lock button Fig.3.

**⚠️ CAUTION: To prevent damage to the spindle or spindle lock, always allow motor to come to a complete stop before engaging spindle lock.**

2. Remove the blade screw by turning it clockwise with the hex key, while keeping the spindle lock button depressed Fig.4.

3. Remove the blade washer noting which way round it is fitted.

4. Fit the saw blade inside the lower blade guard and onto the spindle ensuring that the direction of rotation arrow on the blade corresponds with the direction of rotation arrow on the fixed guard arrow Fig.5.

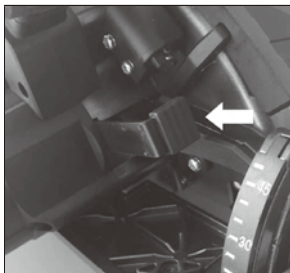


FIG. 3



FIG. 4



FIG. 5

**NOTE: THE SAW TEETH POINT UPWARD AT THE FRONT OF THE SAW.**

5. Replace the blade washer. Depress the spindle lock button, then replace the blade screw. Tighten the blade screw securely by turning it counterclockwise.

**NOTE: CHECK THE TIGHTNESS OF THE BLADE SECURING BOLT BEFORE, DURING AND AFTER EACH USE.**

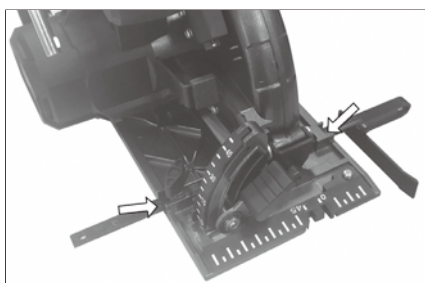
Release the tension on blade guard and remove the piece of wood or screwdriver that is holding it in the open position. Slowly release the guard so that it covers the blade. Check the operation of the blade guard making sure that it operates correctly.

**REMOVING THE BLADE****⚠ CAUTION: Remove the battery pack from the saw.**

1. Depress the spindle lock button and remove the blade screw by turning it clockwise.
2. Remove the outer blade washer.
3. Remove the blade.

**ATTACHING THE EDGE GUIDE****⚠ CAUTION: Before attaching the edge guide, please ensure the battery is removed from the saw.**

1. Place the edge guide through the holes in the base Fig.6.
2. Adjust the edge guide to the width needed and then tighten the parallel guide locking knob making sure the guide is secure.

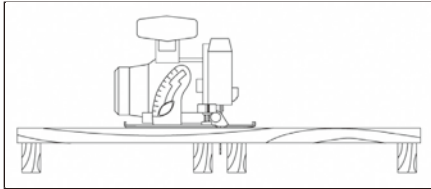
**FIG. 6****NOTE: USE THE EDGE GUIDE PROVIDED WHEN MAKING LONG OR WIDE RIP CUTS WITH THE SAW.**

## OPERATING INSTRUCTIONS

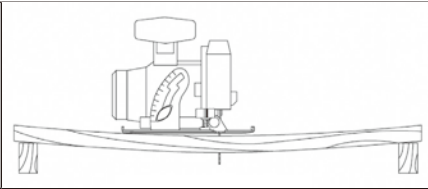
**⚠️ WARNING:** Before each use always check the operation of the lower guard before connecting the battery to the Circular Saw. Do not use the Circular Saw if the lower guard does not close smoothly over the saw blade and returns fully to the closed position.

Keep guards in place and in good working order at all times to avoid serious accidents. Support large panels as shown in Fig.7 to minimize the risk of blade pinching and kickback.

Fig. 8, below, shows the wrong way to cut large pieces of wood, cutting in this way will cause serious injury to the operator. When cutting, the saw should rest on the larger piece of the material and the smaller piece cut off. Use the parallel guide or a rip fence at all times, this will help to prevent side pressure being exerted on the blade and will also give a straighter cut.



**FIG. 7**



**FIG. 8**

### GUARDING AGAINST KICKBACK

Kickback occurs when the saw stalls rapidly and is driven back towards the operator. To avoid kickback keep blades sharp and always support large work pieces correctly. Release the switch immediately if blade binds or if the circular saw stalls. Do not remove the saw from a work piece while the blade is still moving. Never place your hands or fingers behind or in front of the saw Fig. 9.



**FIG. 9**

**FIG. 10**

If kickback occurs, the saw could jump backwards over your hand, possibly causing severe injury. Always lower guard with the retaining handle. Before cutting be sure that the depth and bevel adjustments are tight. Use only the correct blades for your power tool with the correct bore size. Never use defective or incorrect blade washers or bolts. Avoid cutting nails by inspecting the work piece, remove all nails from the work piece before cutting. Operate with the correct hand and work piece support.



**⚠️ WARNING:** It is important to support the work piece properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig.10 illustrates the correct hand positions to support the saw safely. Place the wider portion of the saw base on that part of the work piece which is solidly supported, not on the section that will fall off when the cut is made. If the work piece is short or small, clamp it to a suitable support.



FIG. 11

FIG. 12

**⚠️ WARNING: DO NOT TRY AND HOLD SHORT PIECES BY HAND.**

Fig. 11 illustrates the correct way to cut off the end of a board.

Fig. 12 shows the wrong way to cut off the end of a board.

Never attempt to saw with the Circular Saw held upside down in a vice this is extremely dangerous and can lead to a serious accident.

Before setting the tool down after completing a cut, be sure that the lower guard has closed, and the blade has come to a complete stop.

## ADJUSTMENTS

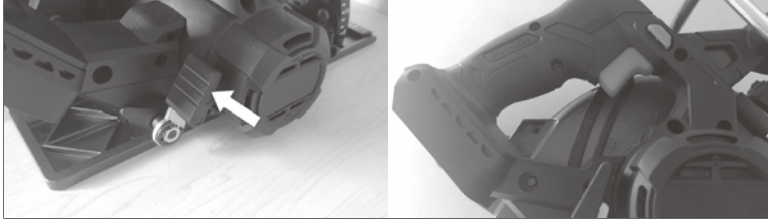
**⚠️ CAUTION:** Always ensure that the battery is disconnected from the circular saw before carrying out any maintenance or adjustments.

### DEPTH OF CUT AT 90°

Always keep correct blade depth setting. The correct blade depth setting for all cuts should not exceed 1/4 in. below the material being cut. More blade depth will increase the chance of kickback and cause the cut to be rough. For more depth of cut accuracy, a scale is located on the upper blade guard.

The Circular Saw has an adjustable depth of cut. To adjust the depth of cut, slacken the lever located on the side of the machine, Fig.13.

1. Measure the depth required from the base plate to the highest point of the blade or use the depth gauge on the fixed guard, Fig. 14.
2. Tighten the depth adjustment knob securely.

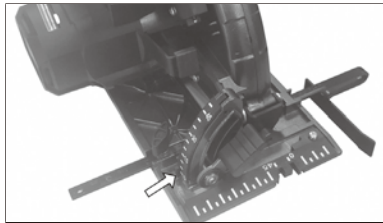


**FIG. 13**

**FIG. 14**

## **ANGLE OF CUT 0-45°**

1. To adjust the angle of cut between 0-45° slacken the adjustable angle of cut locking knob, Fig.15.
2. The base plate assembly will now pivot between 0-50°. Set the desired cutting angle by using degree scale at the front of the machine and tighten locking knobs.



**FIG. 15**

At the front of the base plate there are three notches marked 0°, 45° and 50°. These notches are a guide to indicate the position of the blade in relation to the cut being made in the material.

## **STARTING AND STOPPING**

To start the machine,

1. Press in the lock-off switch Fig.16
2. Depress and hold in the trigger, Fig.17.

There is no need to hold the lock-off switch in as it remains in place as long as the trigger is depressed. To stop the saw, release the trigger, which allows the lock-off switch to return to the locked position. Do not attempt to jam the lock-off switch.



**FIG. 16**

**FIG. 17**

**LASER SWITCH**

This saw is equipped with a laser guidance system for more precise cutting.

To turn the laser ON, press the laser switch (1) once (Fig. 18). To turn the laser OFF, press the laser switch again.

**⚠ DANGER: NEVER ALLOW THE LASER BEAM TO SHINE INTO A PERSON'S EYES. SERIOUS EYE DAMAGE COULD RESULT.**

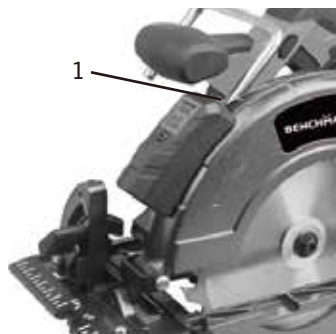


FIG.18

**OPERATING THE LASER LIGHT**

**⚠ WARNING: DO NOT STARE DIRECTLY AT THE LASER BEAM. ONLY TURN THE LASER BEAM ON WHEN THE SAW IS ON THE WORKPIECE.**

1. Mark the cutting line.
2. Remove the battery from the saw.
3. Insert battery and press the separate ON switch to turn on the laser.
4. Align and/or adjust the laser beam with the mark on the workpiece.
5. Squeeze the trigger switch and slowly push the saw forward, using both hands. Keep the laser line on the mark. Always turn the laser beam off when you have finished cutting.

**MAINTENANCE**

**⚠ WARNING:** Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

**⚠ WARNING:** When servicing only use identical replacement parts. Use of any other parts may create a hazard or cause product damage.

**⚠ WARNING:** Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

**GENERAL MAINTENANCE**

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

**⚠ WARNING:** Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

## LUBRICATION

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

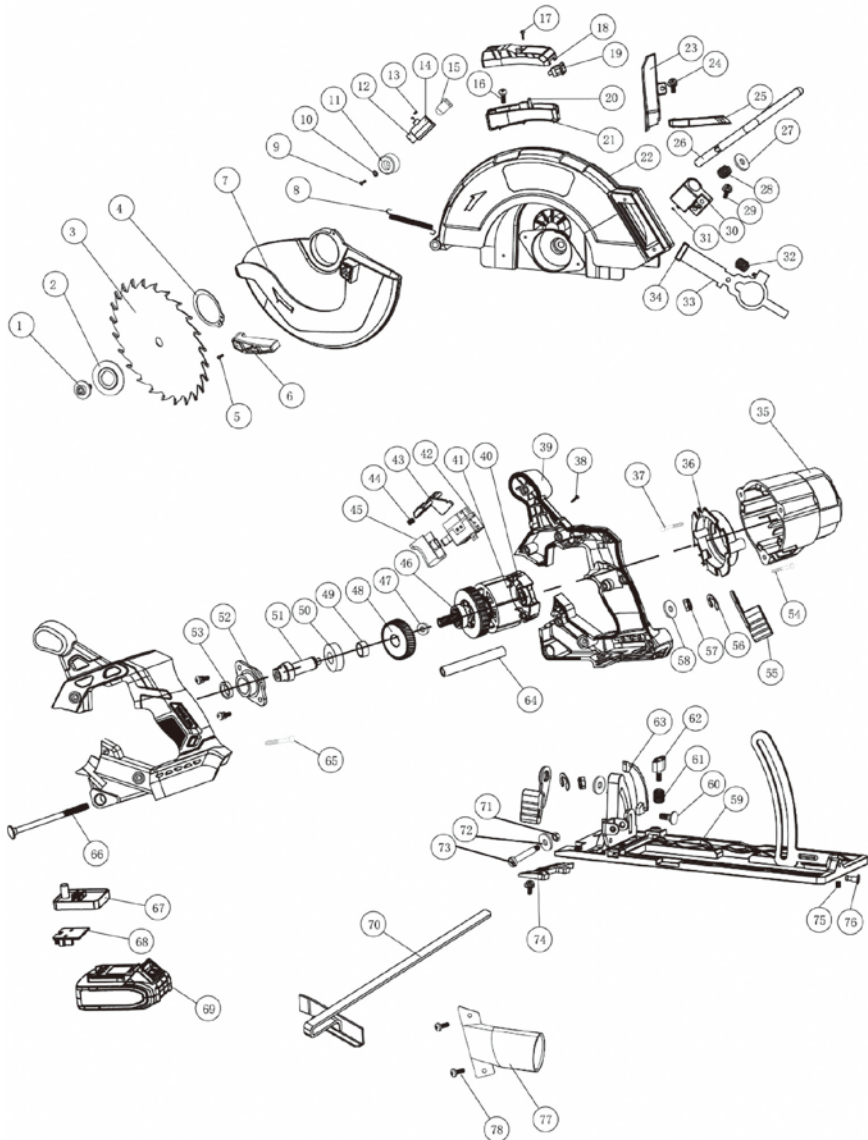
## ENVIRONMENTAL PROTECTION

Information for (private householders) for the environmentally responsible disposal of Waste Electrical and Electronic Equipment (WEEE).



This symbol on products and or accompanying documents indicates that used and end of life electrical and electronic equipment should not be disposed of in household waste. For the proper disposal, treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your retailer upon the purchase of an equivalent new product. Disposing of this product correctly will help to save valuable resources and prevent any potential adverse effects on human health and the environment which could otherwise arise from inappropriate waste disposal and handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste in accordance with national legislation.

EXPLODED VIEW



## PARTS LIST

KEY #	PART #	PART NAME / QUANTITY	KEY #	PART #	PART NAME
1	4020080063	Screw M6x13+ Washer Ø18.5 / 1	33	2030250023	Spindle Lock Lever / 1
2	2030030246	Blade Washer / 1	34	3140070037	Rubber Cover / 1
3	6070030004	Blade / 1	35	3160010079	Motor Barrel / 1
4	4100020039	Circlip 32 / 1	36	3150050107	Ring / 1
5	4020010031	Screw M3x10 / 1	37	4030010229	Screw St 3.9x42 / 2
6	3120100054	Lever for Guard / 1	38	4030010096	Screw St 3.9x12 / 8
7	2020080053	Removable Guard / 1	39	3010070027	Housing / 1
8	2050060272	Spring / 1	40	4010010034	Bearing 607-2z / 1
9	4020010053	Screw M4x14 / 1	41	1030300009	Motor Assembly / 1
10	4040010044	Washer Ø4xØ8x1.5 / 1	42	1060190008	Switch / 1
11	3140090026	Rubber Block / 1	43	3120040063	Switch Lock Lever / 1
12	1220030013	Laser Head / 1	44	2050060218	Switch Spring / 1
13	4030010259	Screw Pwa 3x7 / 2	45	3120010101	Switch Button / 1
14	3160060102	Laser Seat / 1	46	4010010038	Bearing 609-2z / 1
15	1220040029	Laser / 1	47	4010010032	Bearing 606-2z / 1
16	4020020010	Screw M 4x10 / 1	48	2040080063	Big Gear / 1
17	4030010099	Screw St 3.9x14 / 1	49	2040310065	Shaft Coat / 1
18	3160090125	Laser Cover / 1	50	4010010045	Bearing 6001-2z / 1
19	1062020072	Laser Switch / 1	51	2040050187	Shaft / 1
20	1130030085	Laser Pcb / 1	52	2020130044	Bearing Seat / 1
21	3160090126	Laser Box / 1	53	2020150084	Nut / 1
22	2020080052	Fixed Guard / 1	54	4020010115	Screw M4x28 / 4
23	3160090127	Cover / 1	55	2030030323	Lever for Depth / 2
24	4020010217	Screw M4x7 / 4	56	4100050004	Ring / 2
25	3110010263	Laser Decorative Plate / 1	57	2040150036	Nut / 2
26	2030100093	Hook / 1	58	2030020116	Washer Ø6xØ13x2 / 2
27	2030020403	Hook Washer / 1	59	2020120049	Aluminum Plate / 1
28	2050060283	Spring / 1	60	4050040023	Bolt L25 / 1
29	4020010218	Screw M 4x11 / 2	61	2050060228	Spring / 1
30	3150160293	Hook Fixing Seat / 1	62	1180050051	Ruler Knob / 1
31	4130010015	Pin / 1	63	3110040015	Angle Guide / 1
32	2050060282	Spring / 1	64	2030270017	Casing / 1
			65	4020010117	Screw M 4x37 / 1

KEY #	PART #	PART NAME / QUANTITY	KEY #	PART #	PART NAME
66	4050040024	Bolt L88 / 1	73	2040140009	Pin 45 Ø6*39 M5 / 1
67	1130030095	Control Palte / 1	74	3110040014	Scale Frame / 1
68	3150170020	Eletrode Plate / 1	75	4010010034	Screw M4x5 / 5
69	1290090046	Battery / 1	76	2040160232	Screw / 2
70	6210040013	Ruler / 1	77	3180040132	Dust Port Adapter / 1
71	4060090019	Nut / 1	78	4020010049	Screw M4x8 / 4
72	2030020141	Washer Ø6x11x1 / 1			

## WARRANTY

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3-year warranty for the battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs.

This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.





*20V BRUSHLESS 7-1/4" CIRCULAR SAW*

**1265-002**

# 20V BRUSHLESS 7-1/4" CIRCULAR SAW



5 Year Limited Warranty on tool

**BENCHMARK™**  
MC

**BENCHMARK TOOLS CANADA**

ST. JACOBS, ONTARIO N0B 2N0

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**CUSTOMER SERVICE/TECH SUPPORT**

1-866-349-8665

**1265-002**

Made in China



\* This Benchmark™ product carries a five (5) year LIMITED warranty against defects in workmanship and materials. The charger and batteries carry a three (3) year LIMITED warranty. See Owner's Manual for full details.



E114847  
JD539220

**READ ALL INSTRUCTIONS BEFORE FIRST USE.  
KEEP THIS MANUAL FOR FUTURE REFERENCE.  
KEEP AWAY FROM CHILDREN.**

Maximum initial battery voltage (measured without a load)  
is 20 volts. Nominal voltage is 18 volts.



**WEAR CSA APPROVED  
EYE PROTECTION**



**WEAR EAR  
PROTECTION**



**WEAR A  
FACE MASK**