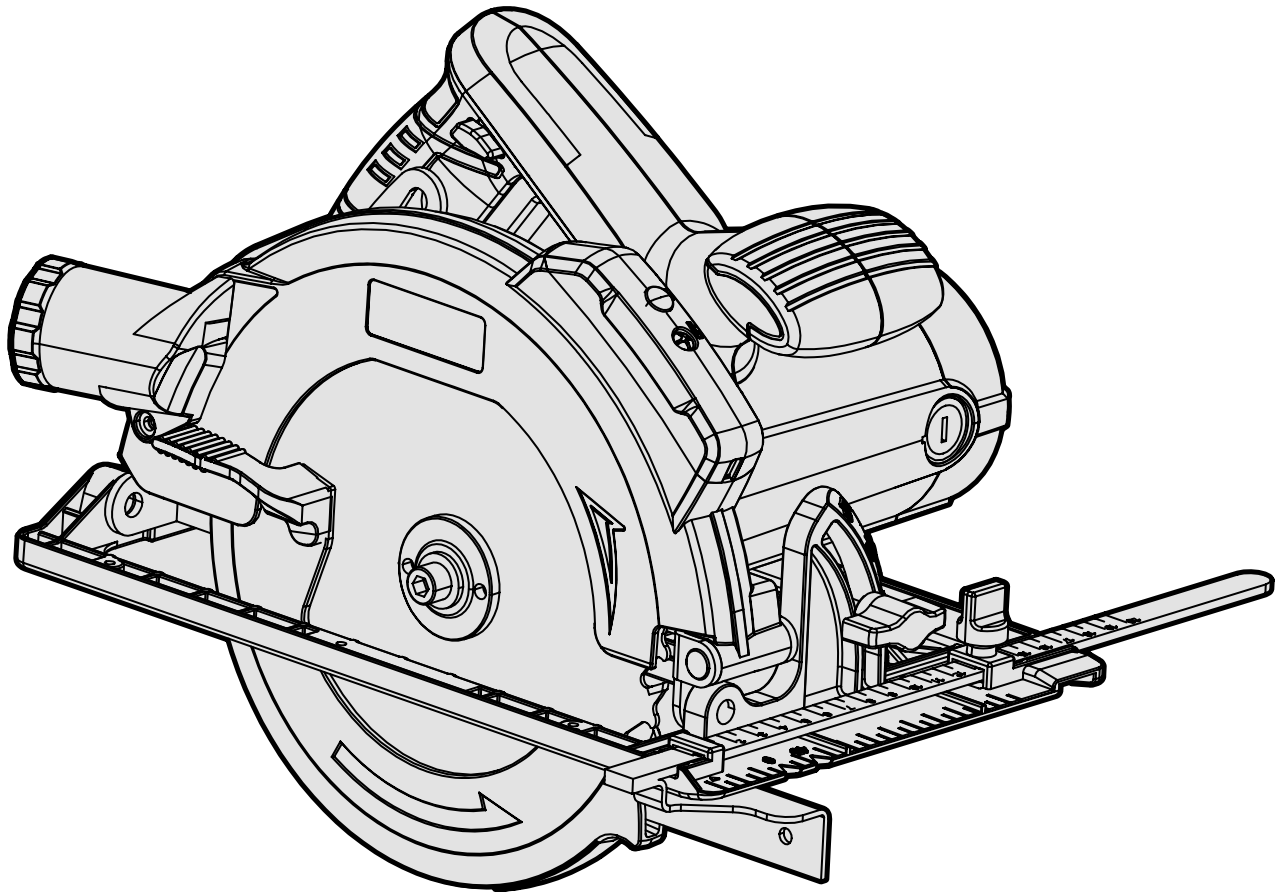




MODEL CT1525

7.25-INCH CIRCULAR SAW

Instruction Manual



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:



1-847-429-9263 (M-F 8AM-5PM CST)



TECHSUPPORT@WENPRODUCTS.COM

IMPORTANT: Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for its intended purpose, you will enjoy years of safe, reliable service.

For replacement parts and the most up-to-date instruction manuals, visit ***WENPRODUCTS.COM***

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To purchase accessories and replacement parts for your tool, visit ***WENPRODUCTS.COM***

Replacement Saw Blade (Model BL0740)

INTRODUCTION

Thanks for purchasing the WEN Circular Saw. We know you are excited to put your tool to work, but first, please take a moment to read through the manual. Safe operation of this tool requires that you read and understand this operator's manual and all the labels affixed to the tool. This manual provides information regarding potential safety concerns, as well as helpful assembly and operating instructions for your tool.

 Indicates danger, warning, or caution. The safety symbols and the explanations with them deserve your careful attention and understanding. Always follow the safety precautions to reduce the risk of fire, electric shock or personal injury. However, please note that these instructions and warnings are not substitutes for proper accident prevention measures.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. WEN reserves the right to change this product and specifications at any time without prior notice.

At WEN, we are continuously improving our products. If you find that your tool does not exactly match this manual, please visit **wenproducts.com** for the most up-to-date manual or contact our customer service at **1-847-429-9263**.

Keep this manual available to all users during the entire life of the tool and review it frequently to maximize safety for both yourself and others.

SPECIFICATIONS

Model Number	CT1525	
Motor	120V, 60 Hz, 15A	
No-Load Speed	4500 RPM	
Blade Part Number	BL0740	
Blade Size	7-1/4 in. (185mm) TCT	
Arbor Size	5/8 in. (15.875mm)	
Teeth	40T	
Blade Thickness	1.0mm	
Kerf	1.6mm	
Blade Bevel	0° to 45°	
Cutting Capacity	90°	2.4 in. (62mm)
	45°	1.5 in. (39mm)
Laser Specifications	Class II Laser, EN 60825-1:2014 Maximum Power < 1mW, Wavelength 650nm	
Weight	10.4 lbs	
Product Dimensions	13.5 in. x 10.2 in. x 9.8 in.	

GENERAL SAFETY RULES

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Safety is a combination of common sense, staying alert and knowing how your item works. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

WORK AREA SAFETY

- 1. Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- 2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- 3. Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

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

- 6. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

- 1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- 2. Use personal protective equipment. Always wear eye protection.** Protective equipment such as a respiratory mask, non-skid safety shoes and hearing protection used for appropriate conditions will reduce the risk of personal injury.
- 3. 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.
- 4. 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.
- 5. Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

GENERAL SAFETY RULES

 **WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Safety is a combination of common sense, staying alert and knowing how your item works. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

7. 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

1. 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.

2. 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.

3. 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.

4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

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

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

7. Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

8. Use clamps to secure your workpiece to a stable surface. Holding a workpiece by hand or using your body to support it may lead to loss of control.

9. KEEP GUARDS IN PLACE and in working order.

SERVICE

1. 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.

CALIFORNIA PROPOSITION 65 WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area with approved safety equipment such as dust masks specially designed to filter out microscopic particles.

CIRCULAR SAW SAFETY WARNINGS

 **WARNING!** Do not operate the power tool until you have read and understood the following instructions and the warning labels.

CIRCULAR SAW SAFETY

1. Work environment. Do not operate the tool in wet or damp conditions; doing so significantly increases the risk of electrical shock. Do not operate the tool in the presence of flammable liquids or gases. When operating the tool from an elevated position, be aware of people or things beneath you.

2. Personal safety. Always wear ANSI Z87.1-approved glasses, a dust mask and hearing protection when using the saw. Do not wear loose clothing or jewelry as they might get drawn in by the tool.

3. Preventing electric shock. When working with the tool, make sure to keep the blade away from any power cables, extension cords or wiring. Only hold the tool by insulated gripping surfaces when performing an operation in case the cutter contacts its own cord. Cutting a “live” wire may make exposed metal parts of the tool “live” and could give the operator an electric shock.

4. Inspect your tool before operation. Before operation, check the tool for any damage or missing parts. Do not use the tool if any part is missing or damaged. Do not use the tool if the power switch is faulty, the plug or cable is damaged, or the tool produces sparks, smoke, or unpleasant odors (you may smell brushes wearing down for a few minutes as the tool breaks in during the first use, that is normal). Make sure all adjustments are correct and all connections are tight.

5. Lower the blade guard safety. Check lower blade guard for functionality before each use. To check the lower guard, unplug the tool and open the lower guard by lifting the blade guard lever, then release and watch the guard close. Do not operate saw if lower guard does not move freely or close immediately. Leaving a blade exposed is very dangerous and can lead to serious personal injury.

- Never clamp, tie, or otherwise fix the lower guard into the open position.

- If the saw is accidentally dropped, the lower guard may bend. Raise the lower guard with the blade guard lever to make sure it moves freely without touching the blade or any other saw part for all angles and depths of possible cuts.

- Always ensure that the lower guard is covering the blade before placing the saw down on a 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 the switch is released.

- The lower guard should be retracted manually only for special cuts such as plunge cuts/pocket cuts. Raise the lower guard by retracting the lever. As soon as the blade enters the material, the lower guard must be released. For all other sawing, the lower guard should operate automatically.

6. Supporting the workpiece. Never hold a piece being cut in your hands or across your legs. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.

7. Starting the tool. Always start the saw before the blade comes into contact with the workpiece. Let the blade reach full speed before using the tool. The reaction to the torque as the motor accelerates to full speed may cause the tool to kick back.

8. Standing position. Keep your body positioned to either side of the saw blade, but not in line with the saw blade. Kickback could cause the saw to jump backwards.

CIRCULAR SAW SAFETY WARNINGS

 **WARNING!** Do not operate the power tool until you have read and understood the following instructions and the warning labels.

CIRCULAR SAW SAFETY

9. During the cut. Keep hands away from the cutting area and the blade. Do not reach underneath the workpiece. The blade guard cannot protect you from the blade protruding from the underside of the workpiece. Do not attempt to remove cut material when the blade is moving.

10. Reducing 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 work piece toward the operator. When the blade is pinched or bound tightly by the kerf (width of cut) 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 towards the operator. Take the proper precautions below to reduce the risk of kickback.

- Maintain a firm grip on the saw and position your body and arm in a way that allows you to resist kickback forces. Kickback forces can be controlled by the operator, if proper precautions are taken.
- When a 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.
- When restarting a saw in the workpiece, center the blade in the kerf and check that the teeth are not engaged into the material. If the saw blade is binding, it may walk up or kickback from the work piece as the saw is restarted. Investigate and take corrective actions to eliminate the causes of blade binding.

- 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 the cut and near the edge of the panel.

- Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf, causing excessive friction, blade binding, and kickback.

- The blade depth locking knob and bevel adjustment locking knob must be tight and secure before making a cut. If the blade adjustment shifts while cutting, it will cause binding and kickback.

- Use extra caution when making a plunge cut/pocket cut into existing walls or other blind areas. The protruding blade may contact objects that could cause kickback.

11. Turning the tool OFF. Blades coast after turning the saw off. Wait until the blade stops before reaching for loose material or setting the tool down.

12. Replacing the saw blade. Check the blade for chipped or broken teeth. Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf, causing excessive friction, blade binding, and kickback. Always use blades with correct size arbor holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing a loss of control. See “Replacing the Blade.”

13. Making adjustments. Always turn OFF and unplug the saw before making adjustments or changing attachments. Accidental start-ups may occur if the saw is plugged in during an accessory change or adjustment.

CIRCULAR SAW SAFETY WARNINGS

 **WARNING!** Do not operate the power tool until you have read and understood the following instructions and the warning labels.

LASER SAFETY

ATTENTION! LASER RADIATION. CLASS 2 LASER. DO NOT STARE INTO THE BEAM.

1. Do not look directly into the laser beam with unprotected eyes. Never look into the path of the beam.
2. Never point the laser beam towards reflective surfaces. Never point the laser towards people or animals. Even a laser beam with a low output can cause damage to the eyes.
3. Never open the laser module as unexpected exposure to the beam can occur. The laser cannot be replaced with a different type of laser.
4. Repairs of the laser may only be carried out by the laser manufacturer or an authorized representative.

BUTTON CELL / COIN BATTERY SAFETY

1. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
2. Even used batteries may cause severe injury or death.
3. Call a local poison control center for treatment information.
4. The compatible battery type is LR44 and the nominal battery voltage is 1.5V.
5. Non-rechargeable batteries are not to be recharged.
6. Do not force discharge, recharge, disassemble, heat above 140°F, or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
7. Ensure the batteries are installed correctly according to polarity (+ and -).
8. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
9. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.

10. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

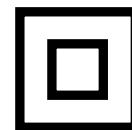
LASER BATTERY SAFETY

1. Do not short-circuit batteries. Keep the batteries away from metal objects when not in use.
2. Do not charge non-rechargeable batteries.
3. Do not mix old and new batteries or batteries of different types. Replace an entire set of batteries at the same time.
4. Do not keep batteries near fire, ovens or other sources of heat. Do not use batteries in direct sunlight.
5. Remove batteries from the equipment when it will not be used for an extended period of time.
6. Never handle batteries that have leaked without appropriate protection. If the leaked fluid comes into contact with your skin, the skin in this area should be rinsed off under running water immediately. Always prevent the fluid from coming into contact with the eyes and mouth. In the event of contact, please seek immediate medical attention.
7. Do not dismantle batteries. Dispose of used batteries properly at your local collection/recycling facility.

ELECTRICAL INFORMATION

DOUBLE-INSULATED TOOLS

The tool's electrical system is double-insulated where two systems of insulation are provided. This eliminates the need for the usual three-wire grounded power cord. Double-insulated tools do not need to be grounded, nor should a means for grounding be added to the product. All exposed metal parts are isolated from the internal metal motor components with protecting insulation.



IMPORTANT: Servicing a double-insulated product requires extreme care and knowledge of the system, and should be done only by qualified service personnel using identical replacement parts. Always use original factory replacement parts when servicing.

1. Polarized Plugs. To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a proper outlet. Do not modify the machine plug or the extension cord in any way.

2. Ground fault circuit interrupter protection (GFCI) should be provided on the circuit or outlet used for this power tool to reduce the risk of electric shock.

3. Service and repair. To avoid danger, electrical appliances must only be repaired by a qualified service technician using original replacement parts.

GUIDELINES AND RECOMMENDATIONS FOR EXTENSION CORDS

When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and ampere rating. When in doubt, use a heavier cord. The smaller the gauge number, the heavier the cord.

AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
15A	14 gauge	12 gauge	Not Recommended	

1. Examine extension cord before use. Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.

2. Do not abuse extension cord. Do not pull on cord to disconnect from receptacle; always disconnect by pulling on plug. Disconnect the extension cord from the receptacle before disconnecting the product from the extension cord. Protect your extension cords from sharp objects, excessive heat and damp/wet areas.

3. Use a separate electrical circuit for your tool. This circuit must not be less than a 12-gauge wire and should be protected with a 15A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

UNPACKING & PACKING LIST

UNPACKING

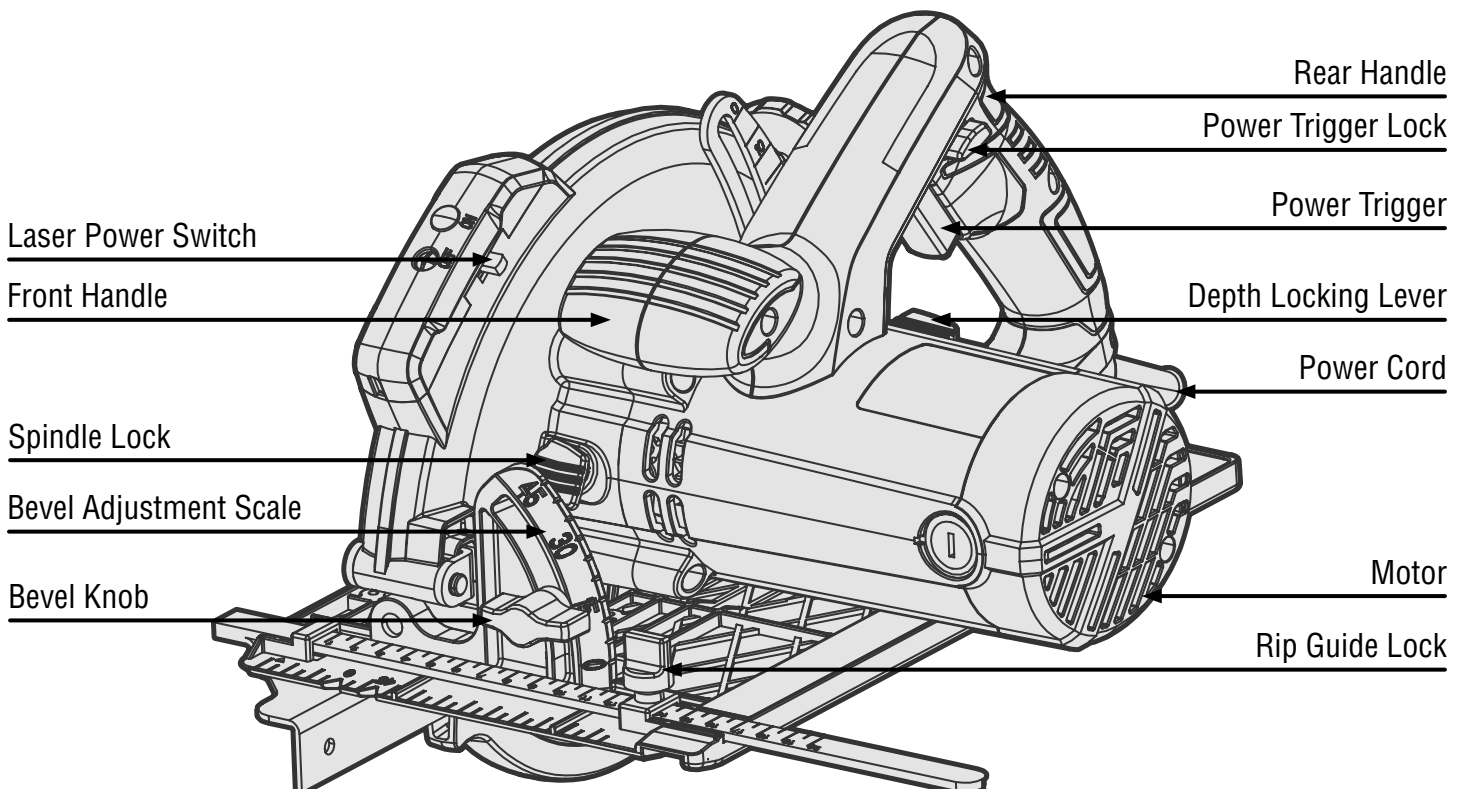
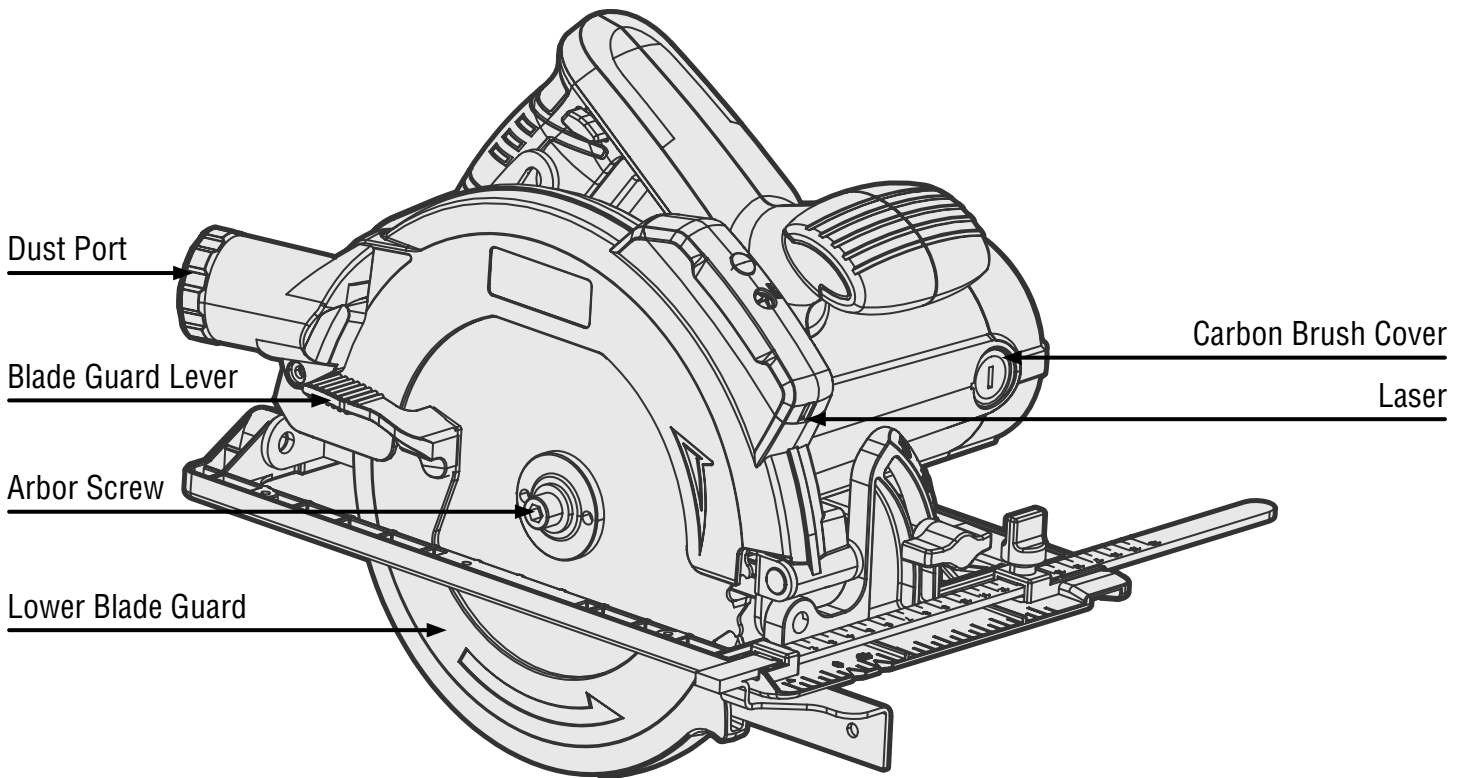
Carefully remove the circular saw from the packaging and place it on a sturdy, flat surface. Make sure to take out all contents and accessories. Do not discard the packaging until everything is removed. Check the packing list below to make sure you have all of the parts and accessories. If any part is missing or broken, please contact customer service at **1-847-429-9263** (M-F 8-5 CST), or email **techsupport@wenproducts.com**.

Description	Quantity
Circular Saw	1
Rip Guide Fence	1
Dust Port Adaptor	1
6mm Hex Wrench	1
LR44 Batteries	2
Laser Cover Screw	1

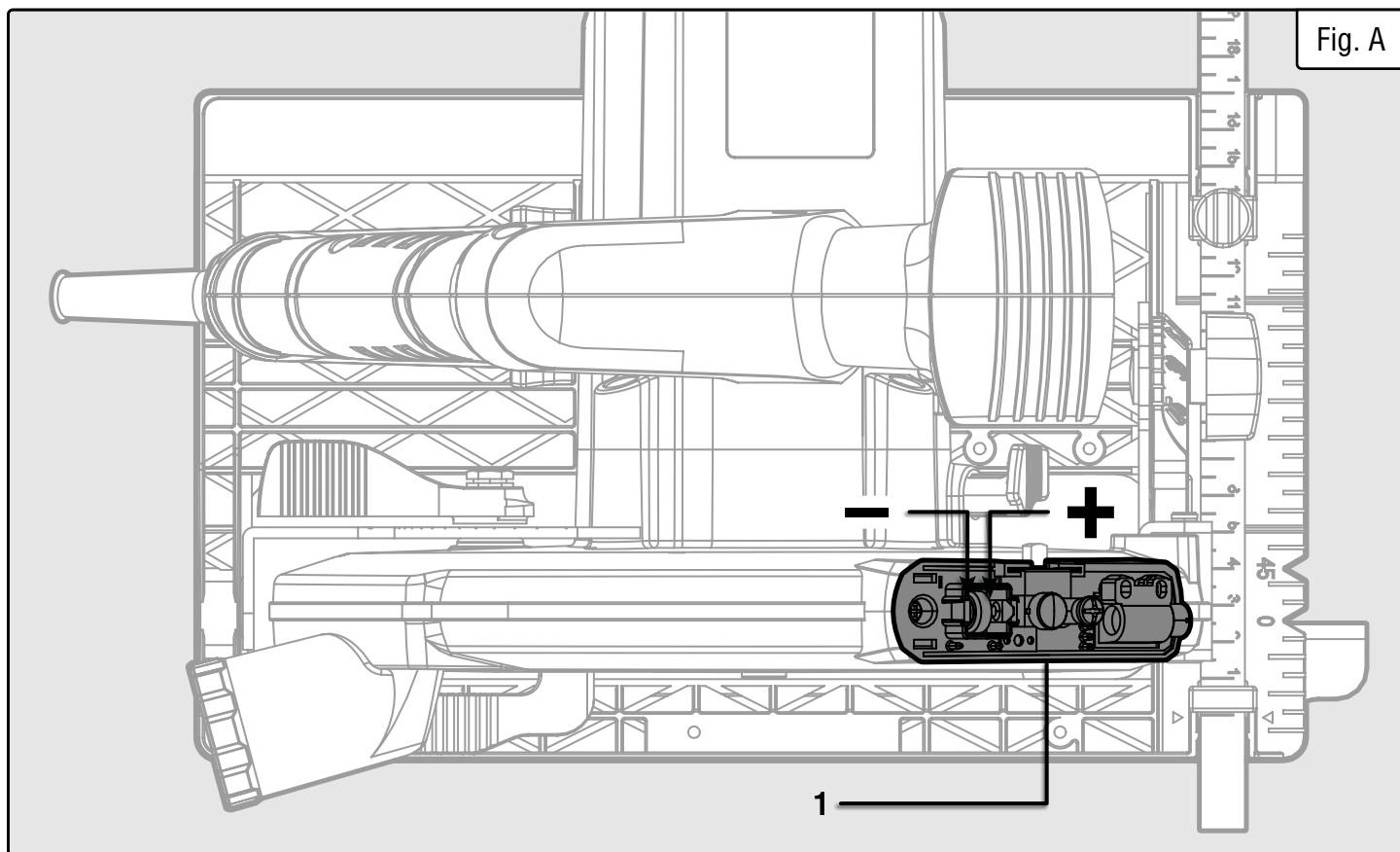
KNOW YOUR CIRCULAR SAW

TOOL PURPOSE

Easily make miter cuts and rough cuts on large sheets of material with your WEN Circular Saw. Refer to the following diagrams to become familiarized with all the parts and controls of your circular saw. The components will be referred to later in the manual for assembly and operation instructions.



ASSEMBLY & ADJUSTMENTS



INSTALLING THE LASER BATTERIES

1. Remove the cover from the laser housing (Fig. A - 1). Install the included LR44 batteries in the orientation shown in Fig. 1. Replace the cover. Install the laser cover screw in the hole in the cover, and tighten it with a Phillips screwdriver (not included).

ASSEMBLY & ADJUSTMENTS

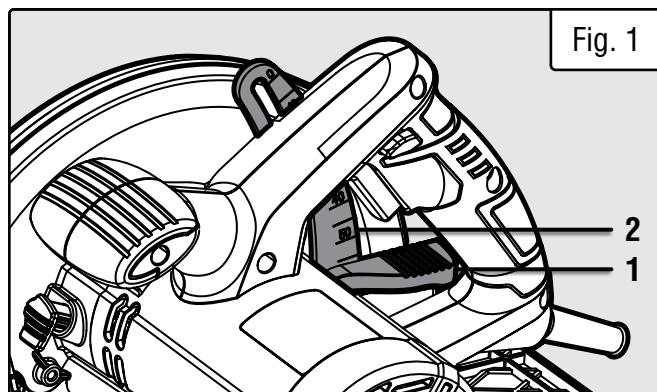
⚠ WARNING! To avoid injury from accidental startups, be sure that the tool is switched off and disconnected from the power supply before inspecting the unit, making adjustments, or changing accessories.

SETTING THE DEPTH OF CUT

Before making a cut, it is important to set the correct blade depth. The saw's maximum cutting depth is 2.4 inches (62mm) at the 90° setting and 1.5 inches (39mm) at the 45° setting. Adjust the depth of cut to match the thickness of the material, but do not allow the blade to extend more than 1/4 inch below the bottom surface of the workpiece. Setting the blade too deep increases the risk of kickback. For example, if your workpiece is 2 inches thick, set the cutting depth to approximately 2-1/8 inches, but no deeper than 2-1/4 inches. To adjust the cutting depth, you can reference either the depth guide bracket, or the edge of the workpiece as described in the steps below.

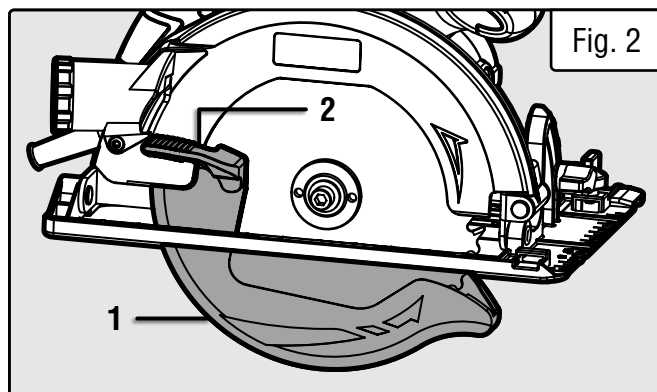
Using the depth guide bracket:

1. Make sure that your tool is powered OFF and disconnected from the power source.
2. Loosen the depth locking lever (Fig. 1 - 1) by pulling it up.
3. Move the base plate up or down to the desired depth, as indicated on the depth guide bracket (Fig. 1 - 2).
4. Tighten the depth locking lever by pushing it down to secure the depth setting.



Using the edge of the workpiece:

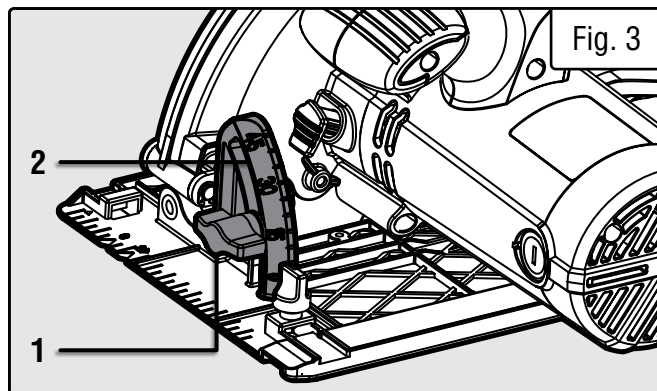
1. Make sure that your tool is powered OFF and disconnected from the power source.
2. Raise the lower blade guard (Fig. 2 - 1) by lifting the blade guard lever (Fig. 2 - 2) to expose the blade. Place the saw base onto the workpiece surface with the saw blade positioned against the side edge of the workpiece.
3. Loosen the depth locking lever (Fig. 1 - 1). Raise or lower the saw body to obtain the desired depth of cut by observing how deep the blade extends relative to the top face of the workpiece.
4. Tighten the depth locking lever to secure the depth setting.



ADJUSTING THE BEVEL ANGLE

The saw can be tilted up to 45 degrees to the right for creating bevel cuts.

1. Loosen the bevel adjustment knob (Fig. 3 - 1) on the bevel adjustment scale (Fig. 3 - 2) at the front of the saw.
2. Tilt the saw to the desired angle. The top edge of the indicator bar will indicate the angle setting on the bevel angle bracket.
3. Tighten the bevel adjustment knob securely.
4. Make a test cut in scrap lumber and measure the angle of the cut to confirm that the bevel angle is properly set. If necessary, adjust the bevel angle appropriately before cutting the actual work piece.



ASSEMBLY & ADJUSTMENTS

⚠ WARNING! To avoid injury from accidental startups, be sure that the tool is switched off and disconnected from the power supply before inspecting the unit, making adjustments, or changing accessories.

LINE-OF-CUT INDICATORS

Line-of-cut indicator notches (Fig. 4 - 1) can be found at the front of the saw base. These notches help provide indication of where the cut will be occurring at 0° and 45°.

NOTE: Since blade thicknesses vary, it is necessary to make test cuts along a guideline in scrap material to determine the proper alignment of the guideline within the notch. This will help to obtain an accurate cut with blades of various thicknesses.

INSTALLING THE RIP GUIDE

When cutting lumber lengthwise you are usually cutting along the wood's grain rather than across the grain. Cutting with the grain of wood is called "ripping," also known as a rip cut. Since rip cuts tend to be lengthy, it can be difficult to accurately follow the guideline the entire distance of the cut.

To assist you in obtaining a straight rip cut, it is recommended to use the included rip guide.

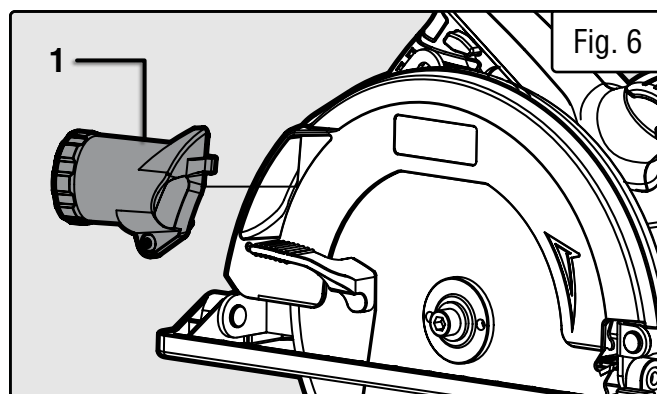
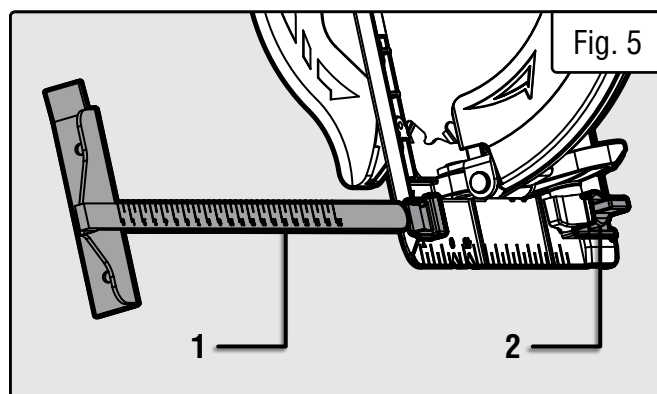
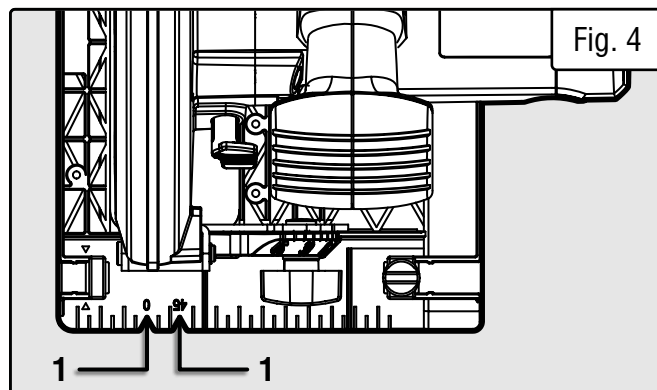
To install the rip guide on your saw, perform the following steps:

1. Make sure that your tool is powered OFF and disconnected from the power source.
2. Insert the rip guide (Fig. 5 - 1) through the two slots on the saw base until it extends out of the base. The rip guide can be installed from either the left or right side depending on the cut.
3. Adjust the position of the rip guide for the desired width of cut.
4. Securely tighten the rip guide locking knob (Fig. 5 - 2) to hold the rip guide in position.

CONNECTING THE DUST PORT

Saw dust generated during cutting operations can be hazardous to your health. Use a dust extraction system to collect the dust and chips.

1. Install the dust port (Fig. 6 - 1) onto the upper blade guard using the included M4x12 screw as shown in Fig. 6.
2. Attach a dust bag or other dust extraction system (not included) onto the dust port. The dust port's outer diameter is 1.6 in.; the inner diameter is 1.4 in.



OPERATION

 **WARNING!** To prevent serious injury, make sure all the instructions have been read and understood before operating this tool. Before connecting the tool to its power source, always check to see that the tool is turned OFF. Accidentally starting the saw could result in injury.

TYPES OF CUTS

• Cross-Cutting And Rip Cutting

Cutting directly across the grain of a piece of wood is called “cross-cutting” and is likely the most common type of cut done with a circular saw. Cutting wood lengthwise, or with the grain, is referred to as “rip cutting.” Attach the rip guide to your saw to help create straight cuts along the side of your workpiece.

• Bevel Cutting

Cutting the workpiece at a bevel angle between 0° and 45° is called “bevel cutting.” Set the bevel angle prior to performing your cut.

• Plunge Cutting

A plunge cut is a cut that must be made inside the area of the workpiece rather than starting from an outside edge and working inward.

NOTE: Plunge cuts can be very dangerous for the novice to attempt.

PREPARING FOR OPERATION

Correct preparation of the workpiece and work area prior to cutting is very important for safe operation.

1. Set the correct depth of cut for your workpiece. Set the bevel angle for bevel cutting and attach the rip guide as necessary for cross-cutting or rip cutting.
2. Place the workpiece with the “good” side down (the saw blade cuts upward through the material, and may “blow out” the top side). Set-up and support the workpiece so the cut is always on your right. Securely clamp down the workpiece so it will not move during the cut.
4. Draw a guideline along the desired path of the cut before starting your saw or the cut.
5. Wear safety goggles, a dust mask, and hearing protection.

OPERATION

⚠ WARNING! To prevent serious injury, make sure all the instructions have been read and understood before operating this tool. Before connecting the tool to its power source, always check to see that the tool is turned OFF. Accidentally starting the saw could result in injury.

STARTING AND STOPPING THE SAW

To start the saw:

1. Plug the circular saw into the power source.
2. Press and hold the trigger safety lock (Fig. 7 - 1), and then pull the power trigger (Fig. 7 - 2) to start the saw.

NOTE: Always let the blade reach full speed before guiding the saw into the work piece. The blade coming into contact with the workpiece before reaching full speed could cause your saw to kick back towards you.

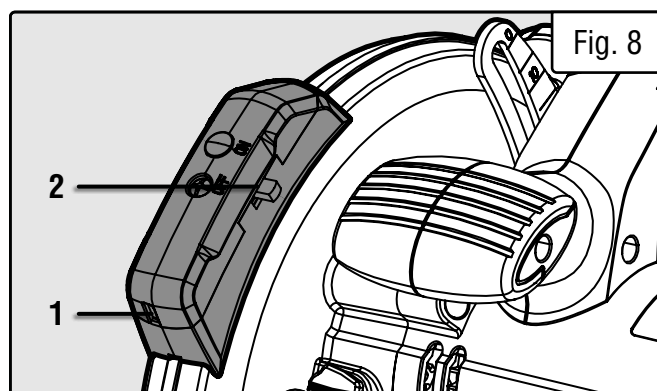
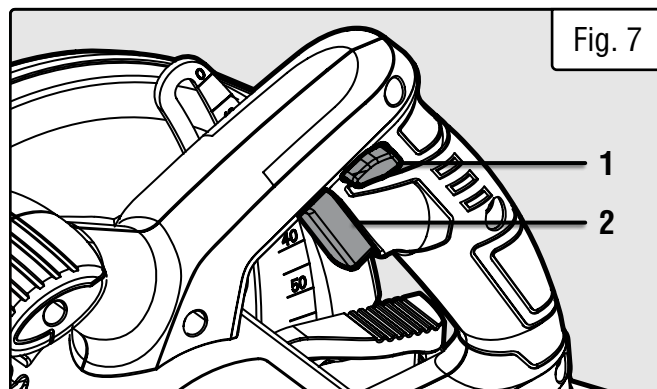
To stop the saw:

1. Release the power trigger to stop the saw.

NOTE: Do not remove your saw from the work piece while the blade is still moving. Allow the blade to come to a complete stop before setting down the tool.

2. Unplug the circular saw once operation is complete.

⚠ WARNING! Do not look directly into the laser beam with unprotected eyes. See page 8 for important rules regarding laser safety.



USING THE LASER

The laser (Fig. 8 - 1) located on the top of your saw can also be used to indicate the line of cut. To turn the laser ON, turn the laser power switch (Fig. 8 - 2) to the ON position. To turn the laser OFF, turn the laser power switch to the OFF position.

OPERATION

OPERATING THE SAW

1. Hold the tool firmly with both hands, using both the front handle and rear handle. Avoid placing your hand on the workpiece while making a cut. If both hands are holding the saw, they cannot be cut by the blade.
2. Make sure that you are not in the path of chips and wood dust being ejected from the saw.
3. Set the front portion of the saw's base on the workpiece to be cut without letting the blade contact the workpiece. Position the saw with its motor facing toward the larger section of board that isn't falling away when cut. Align the line-of-cut indicator notch on the base with your guideline.
4. Turn on the saw and let the blade reach full speed before guiding the saw into the work piece.
5. Ease the tool forward over the workpiece surface, keeping it flat and advancing smoothly while following your guideline until sawing is completed.
 - Do not force the saw forward too quickly in order to try and hurry up the process. Let the tool work at its own pace.
 - To make sawing easier and safer, be sure to move the tool forward gently in a straight line. Never force or twist the saw during operation. Forcing or twisting the tool will result in overheating the motor and will increase the chances of dangerous kickback, possibly causing severe personal injury.
 - If the cut fails to properly follow your intended cut line, release the switch trigger, wait for the blade to stop, and then remove the tool. Realign saw on a new cut guideline and start the cut again. Do not attempt to turn or force the tool back to the cut line. Doing so may bind the blade and lead to dangerous kickback and possible serious injury.
6. Once the cut is complete, release the switch trigger. Wait for the blade to completely stop. Check that the lower blade guard has returned to position surrounding the blade. Now you can safely set the saw down out of the way. Disconnect the saw from the power source.

CROSS-CUTTING AND RIP CUTTING

Cross-cutting means cutting directly across the grain of a piece of wood and it is likely the most common type of cut done with a circular saw. As mentioned in "Installing the Rip Guide," cutting wood lengthwise, or with the grain, is referred to as rip cutting (or simply "ripping"). Both types of cuts are performed in the same manner with the exception of the methods used to support and secure the work piece for cutting.

BEVEL CUTTING

Bevel cuts are made using the same technique as crosscuts and ripping described in the previous section. The difference is that the blade is set at a tilted angle between 0° and 45°. A bevel cut made at an angle to the edge of a board is called a compound miter. Some compound cuts may require you to manually retract the lower guard to allow the blade to enter into and/or through the cut.

There are tools better suited for bevel and compound cuts than the hand-held circular saw. Although the inner line-of-cut indicator notch aids the operator in following the cut's guideline, the tilted motor housing sometimes obstructs the operator's ability to see the blade, making accurate cuts difficult. Before taking on a project with numerous compound or bevel cuts it's suggested that the inexperienced saw user spends time making practice cuts in scrap lumber to become familiar with and overcome difficulties associated with compound/bevel cutting.

OPERATION

MAKING PLUNGE CUTS/POCKET CUTS

A plunge cut is a cut that must be made inside the area of the workpiece rather than starting from an outside edge and working inward. Plunge cuts can be very dangerous for the novice to attempt because of the need to manually retract the lower guard and perform a plunge cut which is potentially hazardous.

Before performing plunge cuts, it's recommended that the inexperienced saw user spends time making practice cuts in scrap lumber to become familiar with and overcome difficulties associated with plunge cuts.

1. Disconnect the saw from the power supply.
2. Set the blade to the correct depth of cut, see "SETTING THE DEPTH OF CUT".
3. Swing the lower blade guard (Fig. 2 - 1) up using the lower blade guard lever (Fig. 2 - 2).

NOTE: Always raise the lower blade guard with the blade guard lever, not the side of the blade guard to avoid serious injury.

4. While holding the lower blade guard by the lever, rest the front of the base flat against the workpiece with the rear handle elevated so the blade does not touch the work piece.
5. Start the saw and let the blade reach full speed.
6. Guide the saw down into the workpiece and make the plunge cut.

 **WARNING!** Always cut in a forward direction when plunge cutting. Cutting in the reverse direction could cause the saw to climb up on the work piece and back toward you.

7. Release the power trigger (Fig. 8 - 1) and allow the blade to come to a complete stop.
8. Lift the saw from the workpiece.
9. Repeat this procedure for the remaining sides, and then clear the corners out with a hand saw or jig saw.

 **WARNING!** Never clamp, tie, or otherwise fix the lower blade guard in a raised position. Leaving the blade exposed could lead to serious injury.

MAINTENANCE

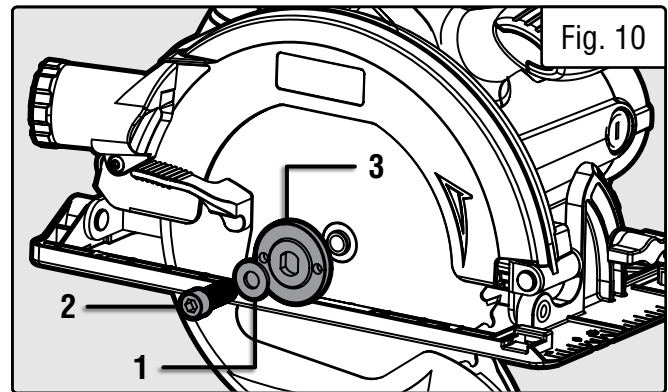
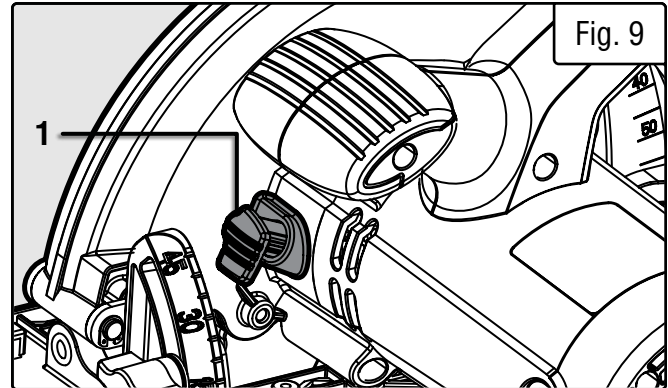
⚠ WARNING! To avoid injury from accidental startups, be sure that the tool is switched off and disconnected from the power supply before inspecting the unit, making adjustments or changing accessories.

REPLACING THE SAW BLADE

The quality of the cut depends on the condition of the saw blade. Never use a dull, rusty, or damaged blade. Before operation, check the blade and replace if the blade is worn-out or damaged.

Use only circular saw blades with a 7-1/4-inch diameter and 5/8 in. (15.875mm) arbor size. Do not use a blade that does not match the diameter or arbor of the saw. Do not use a blade that is too thick; this will prevent the arbor bolt from securing the blade on the arbor. Do not use a blade thicker than 1.2mm (0.045 inch). Replacement saw blades (**Model BL0740**) can be ordered from wenproducts.com. Note that parts that wear down over the course of normal use (like saw blades, carbon brushes, etc.) are not covered by the two-year warranty.

⚠ WARNING! Wear safety gloves when handling saw blades to prevent injuries from accidentally contacting the sharp blade tip.



1. Unplug your circular saw from the power source.
2. Press down the spindle lock (Fig. 9 - 1) to prevent the blade from spinning.
3. Using the included 6mm hex wrench, remove the arbor bolt (Fig. 10 - 1).
4. Remove the washer (Fig. 10 - 2) and outer flange washer (Fig. 10 - 3).
5. Lift the lower guard and carefully remove the existing blade.
6. Slide the new saw blade onto the spindle. Make sure the arrows printed on the blade match the direction of the arrows shown on the upper and lower blade guards, and the blade teeth are pointing up.
7. Replace the outer flange washer.
8. Press the spindle lock and replace the arbor bolt and washer. Tighten the arbor bolt while holding the spindle lock.
9. Check to make sure the blade is properly installed and spins freely inside the housing. Check that the arbor screw is tightened and the blade does not wobble while spinning.

ROUTINE INSPECTION

Before each use, inspect the general condition of the tool. If any of these following conditions exist, do not use until parts are replaced.

Check for:

- Loose hardware,
- Damaged battery pack,
- Cracked or broken parts, and
- Any other condition that may affect its safe operation

MAINTENANCE

⚠ WARNING! To avoid injury from accidental startups, be sure that the tool is switched off and disconnected from the power supply before inspecting the unit, making adjustments or changing accessories.

CARBON BRUSH REPLACEMENT

The wear on the carbon brushes depends on how frequently and how heavily the tool is used. To maintain maximum motor efficiency, we recommend inspecting the two carbon brushes every 60 hours of operation or when the tool stops working. Your circular saw comes with a carbon brush replacement set.

NOTE: Replacement carbon brushes (**Part No. CT1525-018**) can be ordered at wenproducts.com. Only genuine WEN replacement brushes designed specifically for your tool should be used. Carbon brushes are not covered under the two-year warranty.

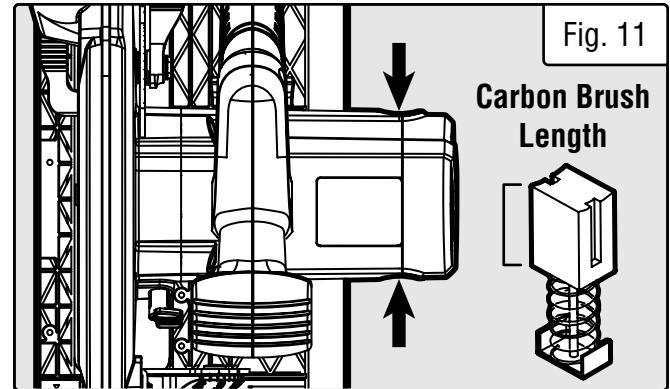


Fig. 11

1. Unplug the saw. To access the carbon brushes, remove the carbon brush covers (Fig. 11) on both sides of the motor housing with a flat-head screwdriver (not included).
2. Carefully remove the old carbon brushes using pliers. Keep track of which orientation the old carbon brushes were in to prevent needless wear if they need to be reinstalled.
3. Measure the length of the brushes (Fig. 11). Install the new set of carbon brushes if either carbon brush length is worn down to $\frac{3}{16}$ " or less. Reinstall the old carbon brushes (in their original orientation) if your brushes are not worn down to $\frac{3}{16}$ " or less. Both carbon brushes should be replaced at the same time.
4. Replace the carbon brush covers.

NOTE: New carbon brushes may produce sparks for a few minutes during initial use as they wear in.

⚠ WARNING! Any attempt to repair or replace electrical parts on this tool may be hazardous. Servicing of the tool must be performed by a qualified technician. When servicing, use only identical WEN replacement parts. Use of other parts may be hazardous or induce product failure.

CLEANING & STORAGE

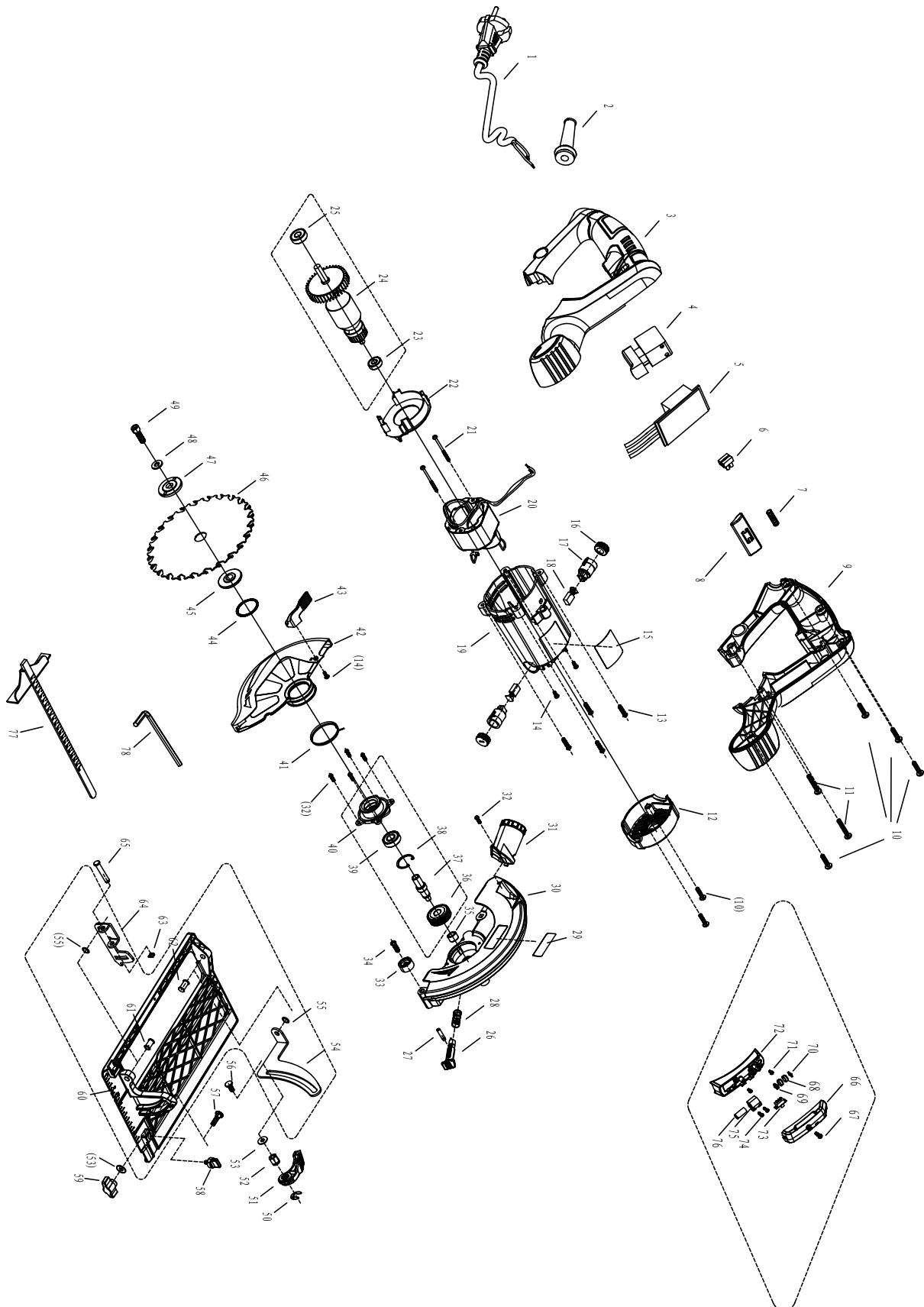
1. Keep the ventilation openings free from dust and debris to prevent the motor from overheating.
2. Wipe the tool surfaces clean with a damp cloth and mild soap. Make sure water does not get into the tool.
3. Allow the tool to cool before storing it. Store the tool in a clean and dry place away from the reach of children.

CAUTION: Most plastics are susceptible to damage from various types of commercial solvents. Do not use any solvents or cleaning products that could damage the plastic parts. Some of these include but are not limited to: gasoline, carbon tetrachloride, chlorinated cleaning solvents, and household detergents that contain ammonia.

PRODUCT DISPOSAL

Used power tools should not be disposed of together with household waste. This product contains electronic components that should be recycled. Please take this product to your local recycling facility for responsible disposal and to minimize its environmental impact.

EXPLODED VIEW & PARTS LIST



NOTE: Not all parts may be available for purchase. Parts and accessories that wear down over the course of normal use are not covered under the warranty.

EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
1	CT1525-001	Cable	1	41	CT1525-041	Blade Guard Torsion Spring	1
2	CT1525-002	Cable Grommet	1	42	CT1525-042	Lower Blade Guard Assembly	1
3	CT1525-003	Right Handle	1	43	CT1525-043	Blade Guard Wrench	1
4	CT1525-004	Power Switch	1	44	CT1525-044	Blade Guard Coil Spring	1
5	CT1525-005	Soft Start Circuit Board	1	45	CT1525-045	Inner Flange	1
6	CT1525-006	Junction Terminal	1	46	BL0740	7-1/4" Circular Saw Blade	1
7	CT1525-007	Spring	1	47	CT1525-047	Outer Flange	1
8	CT1525-008	Safety Switch	1	48	CT1525-048	Washer	1
9	CT1525-009	Left Handle	1	49	CT1525-049	Socket Head Cap Screw, M8x14	1
10	CT1525-010	Pan Head Tapping Screw, ST4x16	6	50	CT1525-050	Retaining Ring	1
11	CT1525-011	Pan Head Tapping Screw, ST4x25	2	51	CT1525-051	Blade Wrench	1
12	CT1525-012	Rear Motor Cover	1	52	CT1525-052	Blade Clamp Nut	1
13	CT1525-013	Phillips Head Screw, M5x20	4	53	CT1525-053	Spacer	2
14	CT1525-014	Pan Head Tapping Screw, ST4x10	2	54	CT1525-054	Depth Adjustment Guide	1
15	CT1525-015	Specification Label	1	55	CT1525-055	Spacer	2
16	CT1525-016	Carbon Brush Cover	2	56	CT1525-056	Carriage Bolt, M6x16	1
17	CT1525-017	Brush Holder	2	57	CT1525-057	Carriage Bolt, M6x22	1
18	CT1525-018	Carbon Brush Set	2	58	CT1525-058	Rip Guide Clamping Knob	1
19	CT1525-019	Motor Housing	1	59	CT1525-059	Bevel Adjustment Knob	1
20	CT1525-020	Stator	1	60	CT1525-060	Baseplate Assembly	1
21	CT1525-021	Pan Head Tapping Screw, ST4x65	2	61	CT1525-061	Connecting Rivet	1
22	CT1525-022	Air Deflector	1	62	CT1525-062	Connecting Rivet (Type I)	1
23	CT1525-023	Ball Bearing, 608	1	63	CT1525-063	External Retaining Ring, 7mm	1
24	CT1525-024	Armature	1	64	CT1525-064	Angle Bracket	1
25	CT1525-025	Ball Bearing, 6000	1	65	CT1525-065	Pivot Pin	1
26	CT1525-026	Spindle Lock	1	66	CT1525-066	Laser Cover	1
27	CT1525-027	Pin	1	67	CT1525-067	Pan Head Tapping Screw, ST4x14	1
28	CT1525-028	Spindle Lock Spring	1	68	CT1525-068	CR2032 Battery	2
29	CT1525-029	Logo Label	1	69	CT1525-069	Battery Positive Contact	1
30	CT1525-030	Upper Blade Guard	1	70	CT1525-070	Battery Negative Contact	1
31	CT1525-031	Dust Port	1	71	CT1525-071	Phillips Pan Head Screw, M3x10	2
32	CT1525-032	Phillips Head Screw, M4x12	5	72	CT1525-072	Laser Mounting Plate	1
33	CT1525-033	Retaining Washer	1	73	CT1525-073	Laser Switch	1
34	CT1525-034	Phillips Head Screw, M6x18	1	74	CT1525-074	Pan Head Tapping Screw, ST3x12	2
35	CT1525-035	Bearing, M8x12	1	75	CT1525-075	Laser Holder	1
36	CT1525-036	Drive Gear	1	76	CT1525-076	Laser	1
37	CT1525-037	Spindle Shaft	1	77	CT1525-077	Rip Guide	1
38	CT1525-038	Retaining Ring	1	78	CT1525-078	6mm Hex Wrench	1
39	CT1525-039	Ball Bearing, 6001	1				
40	CT1525-040	Bearing Seat	1				

WARRANTY STATEMENT

WEN Products is committed to building tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN PRODUCTS FOR HOME USE

GREAT LAKES TECHNOLOGIES, LLC (“Seller”) warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship during personal use for a period of two (2) years from date of purchase or 500 hours of use; whichever comes first. Ninety days for all WEN products if the tool is used for professional or commercial use. Purchaser has 30 days from the date of purchase to report missing or damaged parts.

SELLER’S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the replacement of parts, without charge, which are defective in material or workmanship and which have not been subjected to misuse, alteration, careless handling, misrepair, abuse, neglect, normal wear and tear, improper maintenance, or other conditions adversely affecting the Product or the component of the Product, whether by accident or intentionally, by persons other than Seller. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of Purchase must be a direct vendor of Great Lakes Technologies, LLC. Purchasing through third party vendors, including but not limited to garage sales, pawn shops, resale shops, or any other secondhand merchant, voids the warranty included with this product. Contact techsupport@wenproducts.com or 1-847-429-9263 with the following information to make arrangements: your shipping address, phone number, serial number, required part numbers, and proof of purchase. Damaged or defective parts and products may need to be sent to WEN before the replacements can be shipped out.

Upon the confirmation of a WEN representative, your product may qualify for repairs and service work. When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge for addresses within the contiguous United States.

THIS LIMITED WARRANTY DOES NOT APPLY TO ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME, INCLUDING BELTS, BRUSHES, BLADES, BATTERIES, ETC. ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO ITEMS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT THE WEN CUSTOMER SUPPORT LINE. FOR WARRANTY PARTS OR PRODUCTS REPAIRED UNDER WARRANTY SHIPPING TO ADDRESSES OUTSIDE OF THE CONTIGUOUS UNITED STATES, ADDITIONAL SHIPPING CHARGES MAY APPLY.

**THANKS FOR
REMEMBERING**

