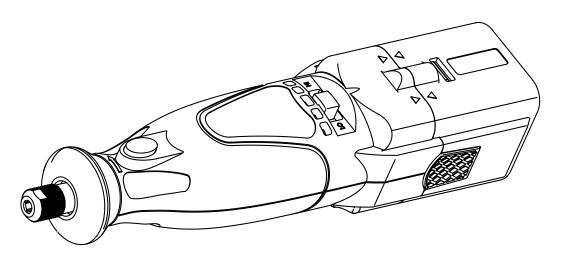


MODEL 23006

CORDLESS ROTARY TOOL





For replacement parts visit

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.



NEED HELP? CONTACT US!

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



800-232-1195 (M-F 8am-5pm CST)



techsupport@wenproducts.com



WENPRODUCTS.COM

NOTICE: Please refer to wenproducts.com for the most up-to-date instruction manual.

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SPECIFICATIONS

Model Number	23006
Power	DC 6V, 4 x AA Batteries (not included)
No-Load Speed	Low: 7,000 RPM
	High: 14,000 RPM
Max Collet Capacity	1/8 in. (3.2 mm)
Product Dimensions	7.3 x 1.8 x 1.7 in. (185 x 45 x 43 mm)
Product Weight (with Batteries)	9.1 oz.

Compatible Rotary Tool Accessories Kits: 150-Piece (Model 230151A), 282-Piece (Model 230282A), 320-Piece (Model 230321A), 327-Piece (Model 230327A), available for purchase at **wenproducts.com.**

INTRODUCTION

Thanks for purchasing the WEN Rotary Tool. 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.

SAFETY ALERT SYMBOL: 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 and 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.

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.

Safety is a combination of common sense, staying alert and knowing how your item works.

SAVE THESE SAFETY INSTRUCTIONS.

WARNING: Read and understand all warnings, cautions and operating instructions before using this tool. Failure to follow all instructions listed below may result in personal injury and tool damage.

OPERATING ENVIRONMENT

- 1. Keep the tool away from water. Do not expose the tool to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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 work area clean and well lit. Cluttered or dark areas can cause accidents. Do not work on floor surfaces that are slippery with sawdust or wax.
- 4. Keep bystanders at a safe distance from the work area. Never allow children or pets near the tool.

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 safety goggles at all times that comply with ANSI Z87.1.
 - Use hearing protection such as plugs or muffs during extended periods of operation.
 - Wear a face mask or dust mask to fight the dust produced by sanding operations.
- 3. Do not wear loose clothing, gloves, neckties, or jewelry (rings, watches, etc.) when operating the tool. Inappropriate clothing and items can get caught in moving parts and draw you in. Always wear non-slip footwear and tie back long hair.
- 4. Do not overreach. Keep proper footing and balance at all times.

WORKPIECE INSPECTION

- 1. Before operation, check the workpiece for any cracks, bumps, nails or obstructions.
- 2. Check the position of all electrical wiring before drilling into walls, floors or ceilings.
- 3. Do not cut any material that exceeds the rotary tool or the rotary tool bit's operation capacity.
- 4. Use clamps to secure the workpiece whenever possible to prevent wobble, damage to the workpiece, and personal injury.

ROTARY TOOL ACCESSORIES

- 1. The rotary tool accessory must have a rated speed higher than 25,000 RPM (the maximum operating speed of your rotary tool), otherwise there is a risk of injury.
- 2. The spindle diameter of the accessory bit must match the size of the collet. The included collet size is 1/8 inch (3.2 mm); collets of other sizes may be purchased separately depending on the spindle diameter of the accessory.
- 3. Inspect the accessories for any cracks, excess wear, or bent shanks. Do not use damaged accessories.

ROTARY TOOL OPERATION

- 1. Do not force the tool to do a job for which it was not designed. Use the correct power tool and accessories and follow the instructions for your application to prevent hazardous situations.
- 2. Before operation, check the tool for any damage or missing parts. Check for misalignment of moving parts, jamming, breakage, improper mounting, or any other conditions that may affect the tool's operation. Do not use the tool if the power switch is faulty, the plug or cable is damaged, or the tool produces sparks or smoke. Any part that is damaged should be properly repaired or replaced before use
- 3. Avoid accidental start-ups. Make sure the tool is OFF before installing batteries, making adjustments, picking up or carrying the tool.
- 4. Remove adjustment tools. Always make sure all adjustment tools or wrenches are removed from the tool before turning on the power tool.
- 5. Set the suitable speed for your operation, workpiece and accessory. Use slow speeds for some plastics and precious metals to prevent damaging the material.
- 6. Before turning on the rotary tool, ensure that it is completely clear of the workpiece. Let the tool reach full speed before making contact with the workpiece.
- 7. When operating the rotary tool:
 - Do not apply excessive pressure to the tool or attempt to make an excessive depth of cut. Overstressing the tool may cause kickback and damage the tool and accessories.
 - Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.
 - Never touch any moving parts of the tool by hand.
 - Never press in the spindle lock button when the rotary tool is running.
- 8. Never leave a running tool unattended. Do not leave the tool until it has come to a complete stop.
- 9. Clear the tool from the workpiece before switching off the tool. Wait for the rotary bit to come to a complete stop before setting the tool down. Do not touch the accessory attachment immediately after operation, as it may be very hot. Allow time for the accessory to cool and calm down before removing it.

ROTARY TOOL MAINTENANCE

- 1. Battery tools do not need to be plugged into an electrical outlet, therefore they are always ready to operate. Beware of the possible hazards when not using your battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire or personal injury.
- 2. Always turn off the machine before making adjustments or changing attachments. Such preventive safety measures reduce the risk of starting the power tool accidentally. Do not remove the attachment from the tool until it has completely stopped rotating.
- 3. Maintain power tools properly. Safely store power tools out of the reach of children. Always keep tools clean and in good working order.
- 4. Servicing of the tool should only be performed by an authorized service technician, using identical replacement parts.

REDUCING KICKBACK

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Take proper safety prevention methods to reduce the risk of kickback:

- Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use the auxiliary handle for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.
- Never place your hand near the rotating accessory. Accessories may kick back over your hand.
- Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners or sharp edges have a tendency to snag the rotating accessory and cause loss of control or kickback.

CALIFORNIA PROPOSITION 65 WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead and wood dust, 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.

VIBRATION SAFETY

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

- 1. First be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's disease should not use this tool.
- 2. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
- 3. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
- 4. Wear suitable work gloves to reduce the effects of vibration. Hold the tool firmly enough to keep safe control of it, but NOT too tightly. The risk associated with vibration is increased when the gripping force is high. Let the tool do the work.
- 5. Take vibration-free breaks during each day of work.

BATTERY SAFETY RULES

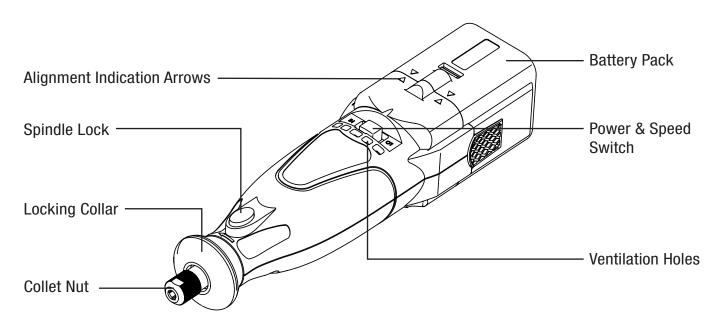
- 1. Do not mix batteries of different types or different brands. Do not mix old and new batteries.
- 2. Do not short circuit batteries. Do not touch the terminals with any conductive material. Avoid storing the battery pack in a container with other metal objects such as nails, coins, etc. Always protect the battery terminals when the battery pack is not in use. Shorting the battery terminals together may cause burns or fire.
- 3. Do not keep batteries near fire, sources of heat, or use in direct sunlight.
- 4. Do not dismantle batteries.
- 5. Never handle leaked batteries. Under abusive conditions, liquid may be ejected from the battery. Avoid contact with this liquid like you would a fire or an ex-lover. Liquid ejected from the battery may cause irritation or burns. If contact accidentally occurs, flush the contact area with water. If the liquid contacts your eyes, flush with water for 10 minutes and then seek medical help.
- 6. Remove the battery if the tool is not being used for an extended period of time.
- 7. Recycle used tool and batteries at your local recycling facility.

These safety instructions can't possibly warn of every scenario that may arise with this tool, so always make sure to stay alert and use common sense during operation.

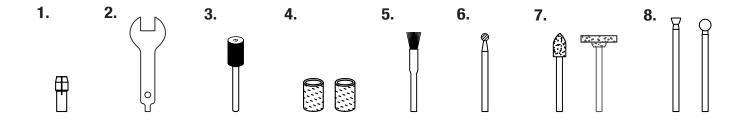
KNOW YOUR ROTARY TOOL & ACCESSORIES

Carefully unpack the tool and accessories. Check all components and compare against the list below. If any part is damaged or missing, please contact our customer service at (800) 232-1195, M-F 8-5 CST or email techsupport@wenproducts.com.

ROTARY TOOL ASSEMBLY



ROTARY TOOL ACCESSORIES



- 1. 1pc Collet (Ø1/8"/3.2 mm)
- 2. 1pc 2-in-1 Wrench
- 3. 1pc Sanding Drum Mandrel
- 4. 2pcs Sanding Band

- 5. 1pc Nylon Wire Brush
- 6. 1pc HSS Cutter Bit
- 7. 2pcs Grinding Stone Bit
- 8. 2pcs Diamond Coated Bit

KNOW YOUR ROTARY TOOL & ACCESSORIES

No.	Accessory	Explanation & Applications
1	Collet (Ø1/8)	Installs into the tool's spindle for holding a rotary tool bit in place. Your tool comes with one Ø1/8"collet. The shank diameter of the rotary tool bit must match the size of the collet.
2	2-in-1 Wrench	 Use the front of the wrench for loosening/tightening the collet nut to remove/install rotary tool bits or to change collets. Use the back of the wrench for adjusting the screw on the Sanding Drum Mandrel (see page 10).
3	Sanding Drum Mandrel (Ø1/8")	A mandrel with a cylinder-shaped rubber tip for attaching sanding bands. Can be expanded or retracted using the back of the Wrench (see page 10).
4	Sanding Band	Slides over the top of the sanding drum mandrel to sand and smooth around surfaces and inside curves. NOTE: Replace the sanding bands when the grits are worn down.
5	Nylon Wire Brush (Ø1/8")	For general cleaning and polishing purposes. NOTE: Excessive pressure can damage the wires. Operate with light pressure and let the tips of the wire brush do the work.
6	HSS Cutter Bit (Ø1/8")	Use for edge cutting, carving and creating slots and holes in plastics, wood and metals.
7	Grinding Stone Bit (Ø1/8")	Use for various grinding applications including sharpening blades and tools, removing flash from metal castings, deburring metal after cutting, smoothing welded joints, grinding off rivets and removing rust.
8	Diamond Coated Bit (Ø1/8")	For cutting and engraving in wood, plastics, and soft metals such as aluminum, copper, and brass.

Compatible Rotary Tool Accessories Kits: 150-Piece (Model 230151A), 282-Piece (Model 230282A), 320-Piece (Model 230321A), 327-Piece (Model 230327A), available for purchase at **wenproducts.com**.

PREPARATION & ASSEMBLY

WARNING: To avoid injuries from accidental startups, always ensure that the tool is switched OFF and the battery pack is removed before making adjustments or changing accessories.

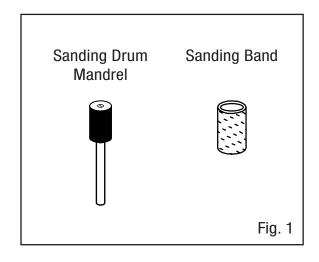
INSTALLING SANDING BANDS (FIG. 1)

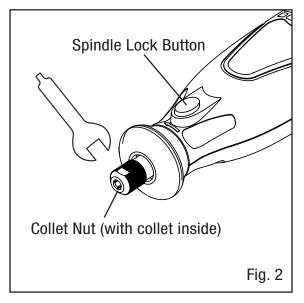
- 1. Loosen the flat-head screw on the top of the sanding drum using the back of the included 2-in-1 wrench.
- 2. Slide the sanding band onto the sanding drum.
- 3. Secure the sanding drum in place by tightening the screw. Make sure the sanding drum is sufficiently expanded so that the sanding band is secured in place.

NOTE: If the sanding band is loose on the drum, it may fly off during operation and cause injuries.

INSTALLING ROTARY TOOL BITS (FIG. 2)

- 1. Remove the battery pack before making any adjustments.
- 2. Hold down the spindle lock button and rotate the collet nut until the spindle lock engages.
- 3. Using the included wrench, loosen and remove the collet nut by turning it counterclockwise. Release the spindle lock button.
- 4. An 1/8" collet is pre-installed inside the tool. The shank of the rotary tool bit must the collet size. Fully insert the rotary bit into the spindle hole through the collet nut and collet.
- 5. Press down the spindle lock button and fully tighten the collet nut using the included wrench. Pull on the rotary tool bit to check that it is firmly secured inside the tool.





WARNING: Check to make sure that all accessories are assembled correctly and securely on the rotary tool. Do not use if any accessory or part is loose or damaged.

PREPARATION & ASSEMBLY



!\ WARNING: Follow the safety instructions when handling batteries.

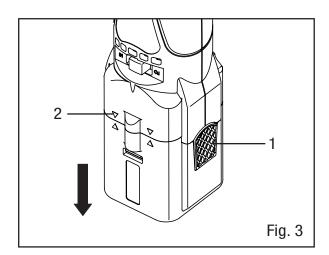
- Do not mix batteries of different types or different brands. Do not mix old and new batteries.
- Do not short circuit batteries.
- Do not keep batteries near fire, sources of heat, or use in direct sunlight.
- Remove batteries from tool when not being used to an extended period of time.
- Never handle leaked batteries. Do not dismantle batteries.
- Recycle used tool and batteries at your local recycling facility.
- Remove the battery if the tool is not being used for an extended period of time.

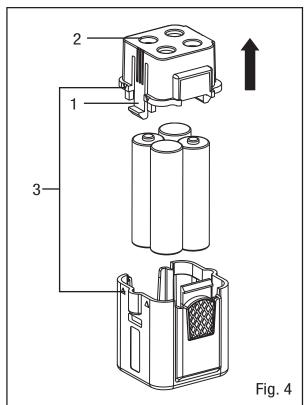
INSTALLING THE BATTERIES (FIG. 3 & 4)

- 1. Remove the battery pack by pressing down on the two cover tabs (Fig. 3 - 1) and sliding the battery pack cover out of the tool.
- 2. Remove the battery holder from the cover by pressing down the two holder tabs (Fig. 4 - 1) and sliding the battery holder out of the cover.
- 3. Insert the four AA batteries (not included) into the battery holder, according to the polarity markings indicated on the battery holder surface (Fig. 4 - 2).
- 4. Align the arrows (Fig. 4 3) on the battery holder with the arrows on the battery pack cover. Press down the holder tabs and slide the battery pack into the cover until a click is heard.

NOTE: The parts will ONLY fit when the arrows are aligned.

5. Align the arrows on the battery cover with the arrows on the rotary tool (Fig. 3 - 2). Insert the battery pack into the tool until a click is heard.





OPERATION

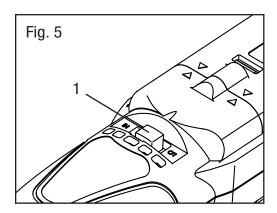
WARNING: Read and thoroughly understand all instructions and safety information before operating this rotary tool. Failure to do so may cause personal injuries.

WARNING: Always wear ANSI Z87.1-approved safety glasses, safety gloves and suitable work clothing. Do not wear jewelry or other loose clothing which could get caught in moving parts. Hold the tool away from your face and body in case parts and chips fly out unexpectedly during operation.

TURNING ON/OFF & SELECTING SPEED (FIG. 5)

- To turn ON the tool at low speed (7,000 RPM), move the power switch (Fig. 5 1) to the left towards "LO".
- To turn ON the tool at high speed (14,000 RPM), move the power switch (Fig. 5 1) to the right towards "HI".

NOTE: Make sure to select the operating speed suitable for your rotary tool bit and the work at hand. The best way to determine the suitable speed is to test on a scrap piece of similar material, observe the results and adjust the speed accordingly.



• To turn OFF the tool, move the power switch to the middle. Be certain the tool is in the OFF position when not in use.

OPERATION

- 1. Inspect the rotary tool and accessories for any damage before use. Immediately discard any accessories with bent shafts or any other damage. Make sure that the ventilation slots on the tool are not obstructed, otherwise the motor may overheat.
- 2. Turn on the tool and let the motor reach full speed. Slowly lower the accessory bit onto the workpiece and guide the tool with light, even pressure.

NOTE: Do not exert excessive pressure on your tool as it may damage your workpiece and the accessory bit. Let the tool do the work. For better results, make several progressive passes until the desired cutting depth or finish is achieved.

3. Lift the tool away from the workpiece and turn OFF the switch. Wait for the tool to come to a complete stop before setting it down. Do not touch the rotary accessory or workpiece immediately after operation as they can be very hot. Follow the instructions on the next page for properly maintaining your tool and accessories.

MAINTENANCE

WARNING: To prevent accidental startups, always turn OFF and remove the battery pack from the tool before cleaning or performing maintenance.

IMPORTANT: Servicing of the tool requires extreme care and knowledge and should be performed only by a qualified service technician using identical replacement parts.

CLEANING & INSPECTION

1. After each use, clean the tool and accessories using a clean cloth or a soft brush. You can also use low pressure compressed dry air to blow away dust from the tool. Wear safety goggles when cleaning tools with compressed air.

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.

- 2. Ventilation openings and switch must be kept clean and free of any foreign objects or dust. Do no attempt to clean by inserting pointed objects through the openings.
- 3. Check the tool and accessories for any damage. Remove and dispose of damaged accessories.

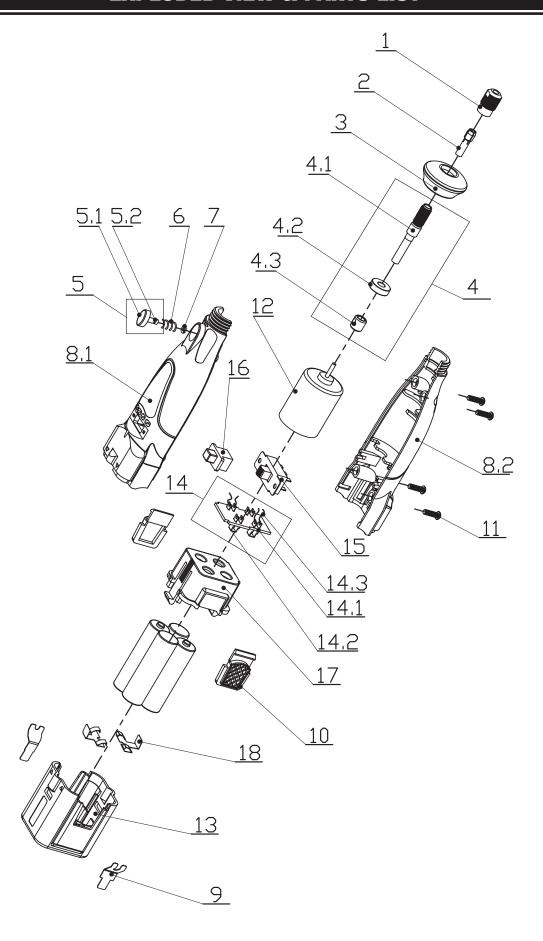
STORAGE

- 1. Store the tool in a clean and dry place away from the reach of children.
- 2. Remove the batteries if the tool is not being used for an extended period of time.

PRODUCT DISPOSAL

Do not dispose of used power tools with your household waste. This product contains electrical or electronic components that should be recycled. Please take this product to your local recycling facility for responsible disposal to minimize its environmental impact.

EXPLODED VIEW & PARTS LIST



EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
1	23006-001	Collet Nut	1
2	23006-002	Collet (1/8"/3.2 mm)	1
3	23006-003	Locking Collar	1
4	23006-004	Spindle Assembly	1
4.1	23006-004.1	Spindle	1
4.2	23006-004.2	Bearing 695Z	1
4.3	23006-004.3	Brake Bushing	1
5	23006-005	Spindle Lock Assembly	1
5.1	23006-005.1	Spindle Lock Button	1
5.2	23006-005.2	Spindle Lock	1
6	23006-006	Spindle Lock Spring	1
7	23006-007	Circlip 65Mn	1
8.1	23006-008.1	Front Housing	1
8.2	23006-008.2	Back Housing	1
9	23006-009	Battery Locking Spring Plate	2
10	23006-010	Battery Locking Tab	2
11	23006-011	Screw ST2.9x12	4
12	23006-012	6V DC Motor	1
13	23006-013	Battery Lower Cover	1
14	23006-014	PCB Assembly	1
14.1	23006-014.1	PCB	1
14.2	23006-014.2	PCB Contact Plate	4
14.3	23006-014.3	Connecting Cord	2
15	23006-015	Switch (Internal)	1
16	23006-016	Switch Button	1
17	23006-017	Battery Upper Cover	1
18	23006-018	Battery Plate	2

NOTE: Parts that wear down over the course of normal use (like accessories, batteries, etc.) are not covered by the two-year warranty. Repairs and replacements should only be performed by an authorized technician.

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 CONSUMER POWER TOOLS 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 for a period of two (2) years from date of purchase. Ninety days for all WEN products if the tool is used for professional or commercial use.

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 repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. 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. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

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 warranty card and/or 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.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME INCLUDING BELTS, BRUSHES, BLADES, ETC. ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S., 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 PORTABLE ELECTRIC TOOLS, BENCH POWER TOOLS, OUTDOOR POWER EQUIPMENT AND PNEUMATIC TOOLS 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.

