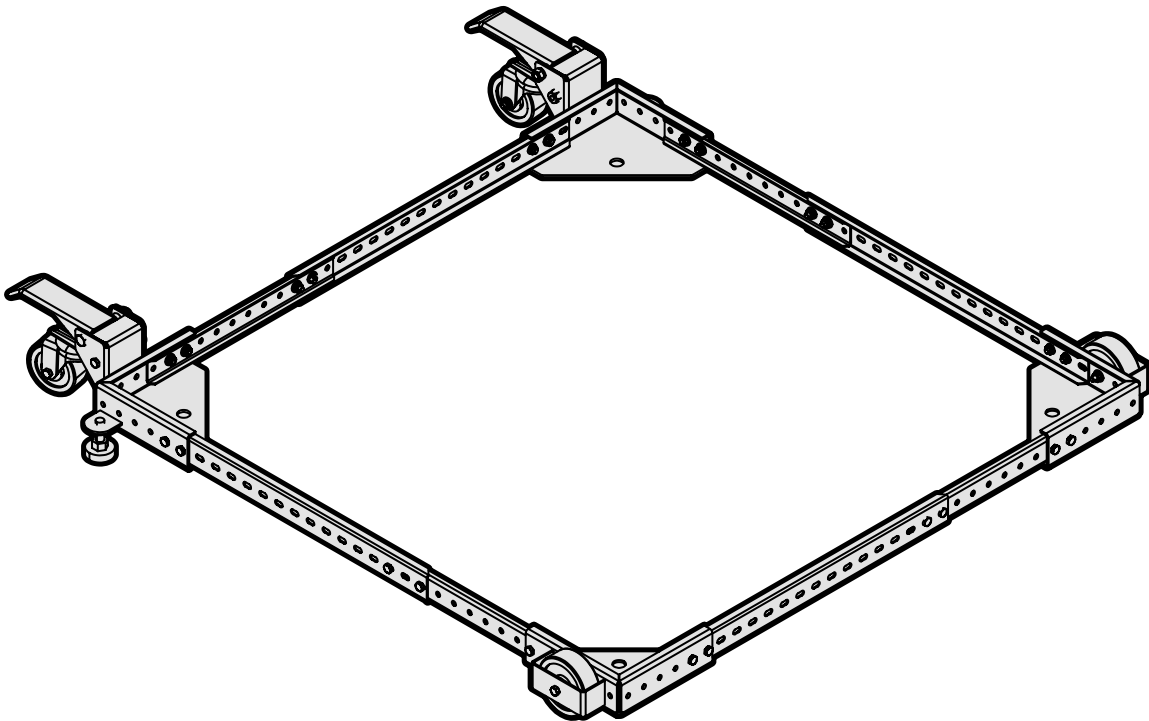




MODEL MB500

500-POUND CAPACITY UNIVERSAL MOBILE BASE

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***

CONTENTS

WELCOME	3
Introduction	3
Specifications.....	3
 SAFETY	 4
General Safety Rules	4
Mobile Base Safety Warnings.....	6
 BEFORE OPERATING	 7
Assembly & Adjustments.....	7
 OPERATION & MAINTENANCE	 10
Operation	10
Exploded View & Parts List.....	11
Warranty Statement	12

INTRODUCTION

Thanks for purchasing the WEN Mobile Base. 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	MB500
Maximum Weight Capacity	500 Pounds (225 kg)
Minimum Square Size	11.8 in. x 11.8 in. (300mm x 300mm)
Maximum Square Size	35.4 in. x 35.4 in. (900mm x 900mm)
Maximum Rectangle Size	19.7 in. x 51.2 in. (500mm x 1300mm)
Assembled Product Weight	16.5 Pounds (7.5 kg)

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.

MOBILE BASE SAFETY WARNINGS

 **WARNING!** Do not let comfort or familiarity with the product replace strict adherence to product safety rules. Failure to follow the safety instructions may result in serious personal injury.

MOBILE BASE SAFETY

1. Make sure the mobile base is fully assembled according to the instructions before operation.
2. For maximum stability, use the mobile base only on a flat, level surface.
3. Any machine must be bolted securely to the mobile base before use.
4. Do not exceed the maximum weight capacity of 500 lbs.
5. Never use your machine while the mobile base is in the raised (mobile) position. Always lower the machine into the static position and check for stability before operating.
6. Unplug any electrical tools before moving or repositioning the machine.
7. When moving the machine, always push on the base but not the machine itself to minimize the risk of tipping the machine over.
8. Always test your setup for stability and safety after repositioning.

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

ASSEMBLY & ADJUSTMENTS

⚠ WARNING! Do not operate the mobile base until it has been fully assembled according to the instructions. Follow all warnings to reduce the risk of personal injury or machine damage.

TOOLS NEEDED (NOT INCLUDED):

- Tape Measure
- 13mm (1/2 in.) Wrench or Socket
- 10mm (3/8 in.) Wrench or Socket
- 17mm (5/8 in.) Wrench or Socket

ASSEMBLE THE FIXED WHEELS (FIG. 1 & 2)

Parts Needed:

- Back Corner Brackets (2)
- Wheels (2)
- M6x50 Hex Bolts (2)
- Wheel Bushings (2)
- M6 Lock Nuts (2)
- 10mm Wrench (1)

1. Insert the two wheel bushings (Fig. 1 - 1) into the two wheels (Fig. 1 - 2).

2. From the outside of the corner bracket (Fig. 2 - 1), insert an M6x50 hex bolt through the the wheel bracket, the wheel, and the wheel bushing (Fig. 3 - 1). Attach the M6 lock nut from the inside of the bracket and tighten with a 10mm wrench.

NOTE: Do not overtighten the nut, as this could pull the screw head against the mounting bracket and cause the bracket to deform, impeding the wheel's function.

2. Repeat for the other back corner bracket.

ASSEMBLE THE SUPPORT FEET (FIG. 4 & 5)

Parts Needed:

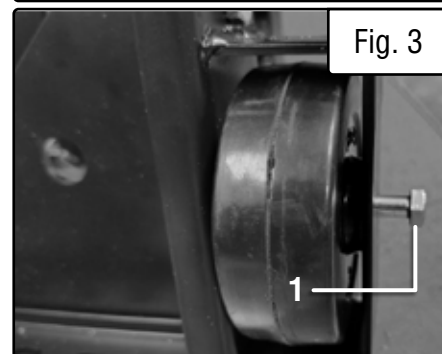
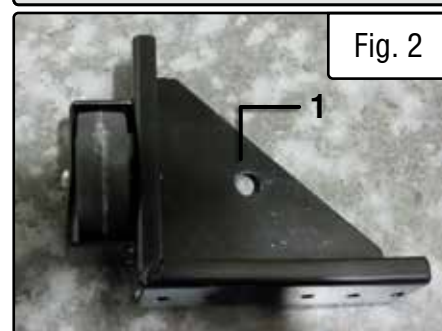
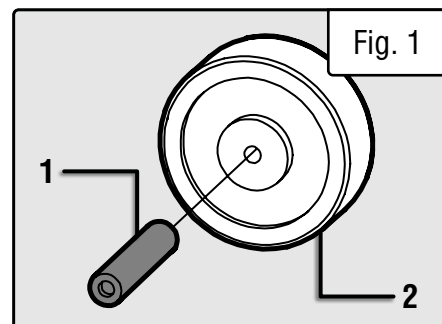
- Front Corner Brackets (2)
- Support Feet (2)
- M10 Nuts (2)
- 17mm Wrench (1)

1. Take a front corner bracket (Fig. 4 - 1) and screw in the support foot (Fig. 4 - 2) from the bottom of the foot flange.

NOTE: Adjust the height of the rubber foot so that the foot's bottom surface is at the same height as the bottom of the fixed wheels. This will make the base level when resting on the rubber feet and wheels.

2. Attach the M10 nut onto the rubber support foot. Check that the foot is set at a suitable height and tighten the M10 nut against the flange using a 17mm wrench.

3. Repeat for the other front corner bracket.



ASSEMBLY & ADJUSTMENTS

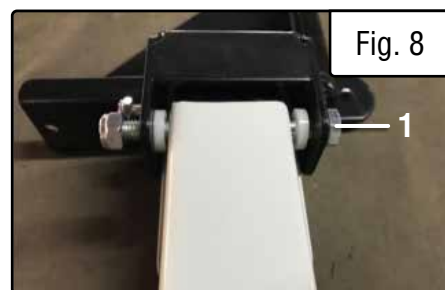
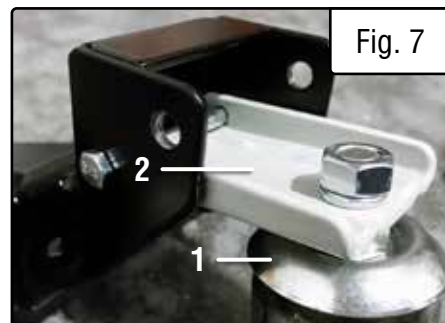
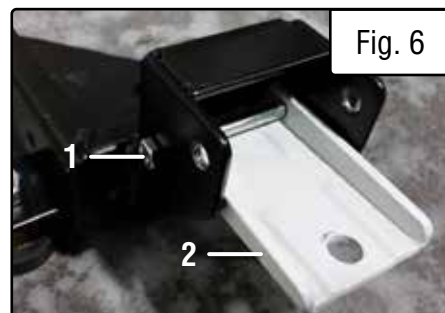
ASSEMBLE THE SWIVEL PLATES (FIG. 6)

Parts Needed:

- Swivel Plates (2)
- M6x70 Hex Bolts (2)
- M6 Lock Nuts (2)
- 10 mm Wrench (1)

1. From the outside of the front corner bracket, insert the M6x70 hex bolt through the lower hole of the caster flange (Fig. 6 - 1) and the swivel plate (Fig. 6 - 2). Secure with an M6 lock nut from the other side of the caster flange and tighten it using a 10mm wrench.

2. Check that the swivel plate is able to swivel upwards, but not downwards.



ASSEMBLE THE SWIVEL CASTERS (FIG. 7)

Parts Needed:

- Two swivel casters (8)
- Two caster lock washers (S6)
- Two M10 nuts (S4)
- 17mm wrench

1. From the bottom of the swivel plate, insert the swivel caster (Fig. 7 - 1) through the swivel plate (Fig. 7 - 2) and the caster lock washer. Secure with an M10 flange nut and tighten the nut using a 17mm wrench.

ASSEMBLE THE FOOT LEVERS (FIG. 8, 9, & 10)

Parts Needed:

- Foot Levers (2)
- M8x70 Hex Bolts (2)
- Lever Spacers (4)
- Lever Lock Washers (2)
- M8 Nuts (2)
- 13mm Wrench (1)

1. From the outside of the front corner bracket, insert the M8x70 hex bolt through the upper hole of the caster flange (Fig. 8 - 1), a lever spacer, the foot lever (Fig. 9 - 1), another lever spacer, and finally through the upper hole on the inside of the caster flange. Attach the lever lock washer and M8 flanged nut from the inside of the caster flange and tighten the nut using a 13mm wrench.

2. Test the mechanism of the foot levers. When the foot lever is depressed, the base will be mobile, resting on the caster wheel. When the foot lever is raised, the caster wheel will be raised with the rubber foot resting on the ground and the base will be static (Fig. 10).



ASSEMBLY & ADJUSTMENTS

ASSEMBLE THE RAILS (FIG. 11, 12, 13, & 14)

Parts Needed:

- Short Side Rails (4)
- Long Side Rails (4)
- M6x12 Hex Bolts (24)
- M6 Flanged Nuts (24)
- 10mm Wrench (1)

TIP: Start by loosely fastening all bolts and nuts in this step for ease of assembly. Once all bolts and nuts have been assembled, securely tighten all fasteners for a stable base.

1. Carefully measure the footprint of the machine that will be placed onto the mobile base. Add about 1 inch to the dimension to allow clearance for the fasteners. Note that the distance between the holes on the rail is 1 inch, so that rails can be adjusted in 1-inch increments.

NOTE: If it will be difficult to move your machine from the floor onto the mobile base, raise it off the floor with four 2x4 blocks and assemble the base around your machine.

2. Refer to the exploded view. Position the corners and rails in the desired dimensions and arrangement. To maximize stability, position the side rails into the corner brackets as far as is practical.

3. Assemble the side rails to the corner brackets. Each rail must be secured to its corner bracket using two M6x12 hex bolts and two M6 flanged nuts. Insert the M6x12 hex bolt from the outside and tighten M6 nut from the inside using a 10mm wrench. The fasteners do not need to be in adjacent holes and are more stable the further apart they are able to be configured (Fig. 11).

4. Assemble the side rails together. The short rails will slide into the long rails. Each rail must be secured to its mating rail using two M6x12 hex bolts and two M6 flanged nuts. Position the fasteners as far apart as possible to maximize stability. Insert the M6x12 hex bolt from the outside and tighten M6 nut from the inside using a 10mm wrench (Fig. 12).

5. Check that all connections are secure. Lift up the foot levers to put the base in its static configuration, and check that it is level. If needed, you may need to adjust the rubber support foot height, see “Assemble the Support Feet” section.



Fig. 11



Fig. 12

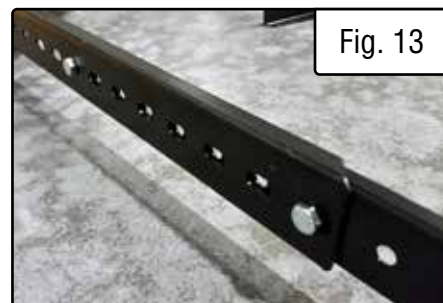


Fig. 13

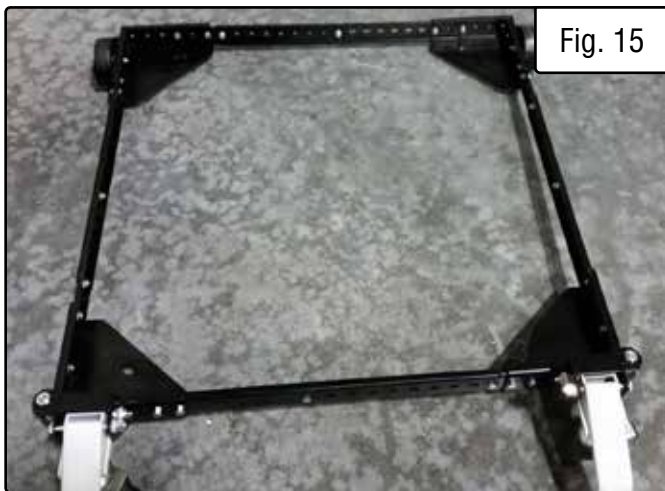


Fig. 14

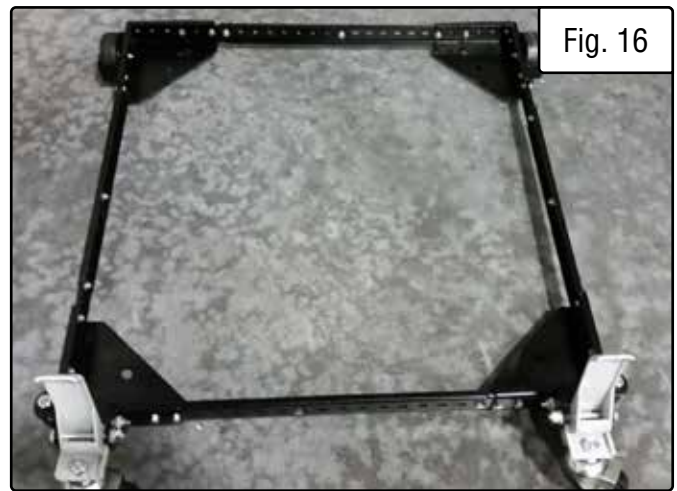
OPERATION

OPERATING THE MOBILE BASE (FIG. 15 & 16)

1. Place the fully assembled mobile base on a level surface.
2. Carefully plan the orientation of the machine onto the mobile base. When the mobile base is in the rmobile configuration, the foot lever side will be lifted 1.2 inches (30mm) higher that the fixed wheel side. To minimize the risk of the machine being tipped over, the heaviest weight should be positioned at the foot lever side.
3. Securely bolt the machine onto the mobile base using the mounting holes on the surface of each corner piece.
4. The total weight being placed on the mobile base must not exceed the maximum weight capacity of 500 lbs.
5. Unplug any electrical tools before moving or repositioning the machine.
6. To move the machine, step down on the two foot levers of the mobile base to raise the base into mobile configuration. When moving, always push on the base but not the machine itself to minimize of risk of tipping the machine over. To stabilize the machine, lift up the foot levers to lower the base into the static configuration.



Mobile Configuration: Foot levers depressed, mobile base resting on the swivel casters.



Static Configuration: Foot levers raised, mobile base resting on the rubber feet.

7. Test the stability in both the mobile configuration (on the casters) and the static configuration (on the rubber feet). Use extra caution when raising top heavy machines such as drill presses and band saws as they have a higher chance of being tipped over.
8. Never use your machine while the base is in the mobile configuration. Always lower the machine into the static configuration and check that it is stable before operation.
9. Always test your setup for stability and safety after repositioning.

NO.	PART NO.	DESCRIPTION	QTY.
12	MB500-HWB	M6×50 Hex Screw	2
13		M6 Lock Nut	4
14		Wheel Bushing	2
15		M6×12 Hex Screw	24
16		M6 Flanged Nut	24
17		Lever Spacer	4
18		M8×70 Hex Screw	2
19		M8 Lock Nut	2
20		M6×70 Hex Screw	2
21		M10 Nut	2
22		10mm Lock Washer	2

11

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.