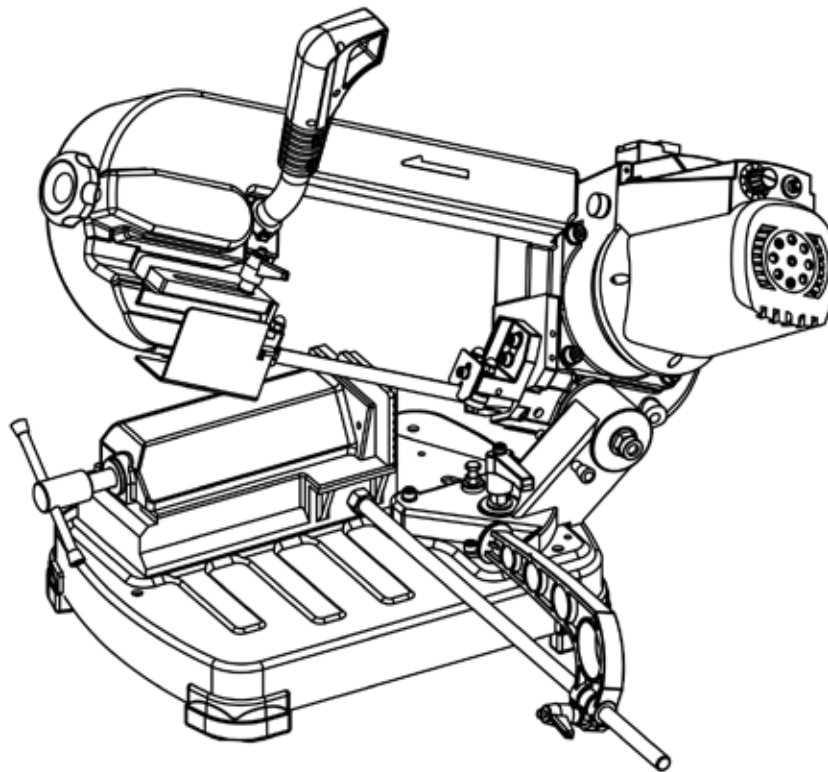




MODEL BA4555

5-INCH VARIABLE SPEED METAL-CUTTING BAND SAW

Instruction Manual



NEED HELP? CONTACT US!

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



1-800-232-1195 (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 for your tool, visit ***WENPRODUCTS.COM***

Replacement Blades (**Model BB5650**)

INTRODUCTION

Thanks for purchasing the WEN Metal Band 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.

 **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 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 **1-800-232-1195**.

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	BA4555
Motor	120V, 60 Hz, 4.5A
Saw Blade	56-1/2 in. x 1/2 in. x 0.025 in, 8/12 TPI, Bimetal
Cutting Capacity for Square Material	At 45°: 3-1/8 in. x 3-15/16 in.
	At 90°: 5 in. x 4-7/8 in.
Cutting Capacity for Circular Material	At 45°: 3-1/8 in. Diameter
	At 90°: 5 in. Diameter
Miter Cut Range	0° - 60°
Blade Speed	125 to 260 FPM
Product Weight	45 Pounds
Product Dimensions	14 in. x 27 in. x 15.5 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.

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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.

SPECIFIC RULES FOR YOUR METAL BAND SAW

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

SAW BLADE SAFETY

1. Always wear protective gloves when handling saw blades.
2. Only use blades with correct size and type for both your band saw and your workpiece.
 - See the blade specifications on page 3.
 - Make sure the blade is installed in the proper direction.
3. Never use damaged or deformed saw blades. Only use sharp blades.
4. Install the saw blade in the correct orientation indicated in the instructions.
5. Keep hands out of path of saw blade. Never use your hands to remove scrap pieces.
6. Never reach around saw blade or reach in back of the saw blade.
7. The use of accessories or attachments not recommended by the manufacturer may result in a risk of personal injury.

PERSONAL SAFETY

1. Operate in a well ventilated area. Keep the floor area around the band saw level and free of slippery substances or other tripping hazards.
2. Wear ANSI Z87.1-approved safety goggles to protect your eyes from saw dust. Use hearing protection to protect yourself from hearing loss.
3. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to pacemakers could cause pacemaker interference or pacemaker failure.
4. Wear work gloves when handling saw blades. **DO NOT** wear gloves, neckties, jewelry, or loose clothing while operating the saw.

5. Saw dust is harmful to your health. Use NIOSH-approved dust masks or other respiratory protection during operation and cleaning.

6. Always turn off and unplug the metal band saw before making any adjustments or repair tasks. Never adjust the metal band saw or the workpiece while the saw is running.


PREPARING THE METAL BAND SAW

1. When transporting the metal band saw, never carry the device by its guards or its accessories.
2. Examine the metal band saw for any damaged or missing parts. Replace or repair damaged parts before operation. Periodically check that all nuts, bolts, and other fasteners are properly tightened.
3. To avoid injury from unexpected movement, secure the machine to a bench before operating.

SECURE YOUR WORKPIECE

1. To avoid blade binding or loss of control, always secure the workpiece to a stable platform, ensuring that body exposure is minimized.
2. Ensure that work is correctly supported. Supports must be placed under the workpiece on both sides, close to the line of cut and near the edge of the workpiece.
3. Use extra caution with very large, very small, or awkwardly-shaped workpieces. Small pieces should be secured with clamps. Do not hold small pieces with your hand.
4. Never hand-hold a workpiece that is too small to be clamped, as it can be launched away and cause injury. Use proper support and guides to secure the small workpiece.

SPECIFIC RULES FOR YOUR METAL BAND SAW

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

DURING CUTTING OPERATIONS

1. Always stand to one side when operating the saw. Never have any part of the body in line with the path of the saw. Never hold a workpiece in your hand or across your legs while cutting.
2. Ensure hands are away from the cutting area and blade.
3. Feed work into the blade against the direction of rotation of the blade only.
4. If you are interrupted when operating the saw, complete the process and switch the saw off before looking up.
5. Power tools must always be held by the insulated gripping surfaces when performing an operation, ensuring protection if the cutting tool makes contact with its own cord or hidden wiring. Contact with a 'live' wire will make exposed metal parts of the power tool 'live' and shock the operator if the insulated gripping surfaces are not used.
6. Do not use the metal band saw unless all guards are in place. Do not operate with any guard disabled, damaged, or removed. Moving guards must move freely and close instantly.
7. Blade guide, supports, bearings, and blade tension must be properly adjusted to avoid accidental blade contact and to minimize blade breakage. To maximize blade support, always adjust the upper blade guide and blade guard so that it barely clears the workpiece.
8. Turn on the band saw and let it reach full speed, then slowly slide the workpiece into the blade. This will help produce safer and cleaner cuts.
9. Never cut more than one piece at a time. Do not stack workpieces together. Do not attempt to cut material thicker than specified on page 3 of this manual.
10. If a cut does not extend to the edge of the workpiece, or if the blade binds in the cut, allow the blade to come to a complete stop and lift the workpiece away from the blade.
11. Turn off tool and wait for saw blade to stop before moving workpiece or changing settings. Do not slow or stop a blade with a piece of wood or by hand. Let the blade come to rest naturally. Do not attempt to free a jammed blade while the machine is still running and connected to power.

ELECTRICAL INFORMATION

GROUNDING INSTRUCTIONS

In the event of a malfunction or breakdown, grounding provides the path of least resistance for an electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching outlet that is properly installed and grounded in accordance with ALL local codes and ordinances.

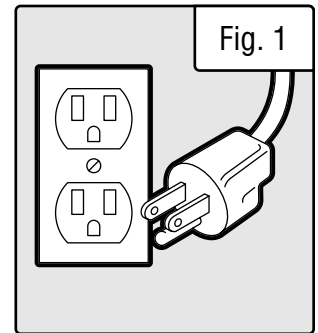
1. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a licensed electrician.

2. Improper connection of the equipment grounding conductor can result in electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, **DO NOT** connect the equipment grounding conductor to a live terminal.

3. Check with a licensed electrician or service personnel if you do not completely understand the grounding instructions or whether the tool is properly grounded.

4. Use only three-wire extension cords that have three-pronged plugs and outlets that accept the tool's plug. Repair or replace a damaged or worn cord immediately.

CAUTION! In all cases, make certain the outlet in question is properly grounded. If you are not sure, have a licensed electrician check the outlet.



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.
4.5A	18 gauge	16 gauge	14 gauge	14 gauge

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.

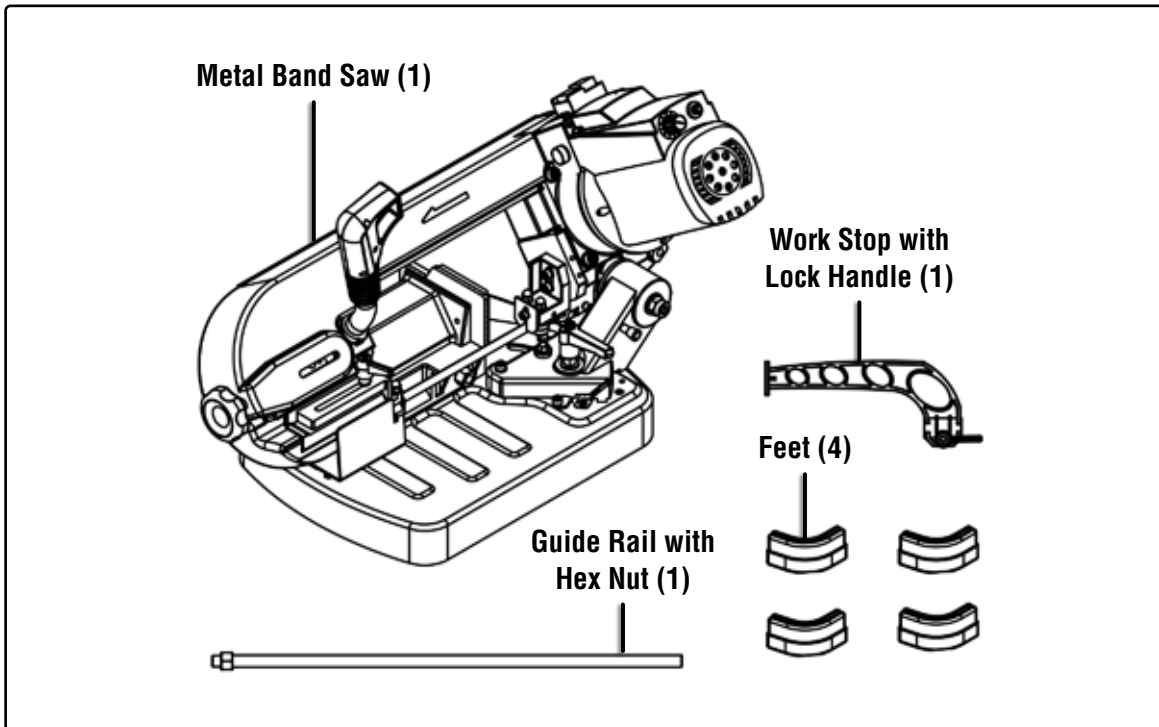
UNPACKING & PACKING LIST

⚠ WARNING! Do not plug in or turn on the tool until it is fully assembled according to the instructions. Failure to follow the safety instructions may result in serious personal injury.

UNPACKING

With the help of a friend or trustworthy foe, carefully remove the metal band saw from the packaging. 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 our customer service at **1-800-232-1195** (M-F 8-5 CST), or email **techsupport@wenproducts.com**.

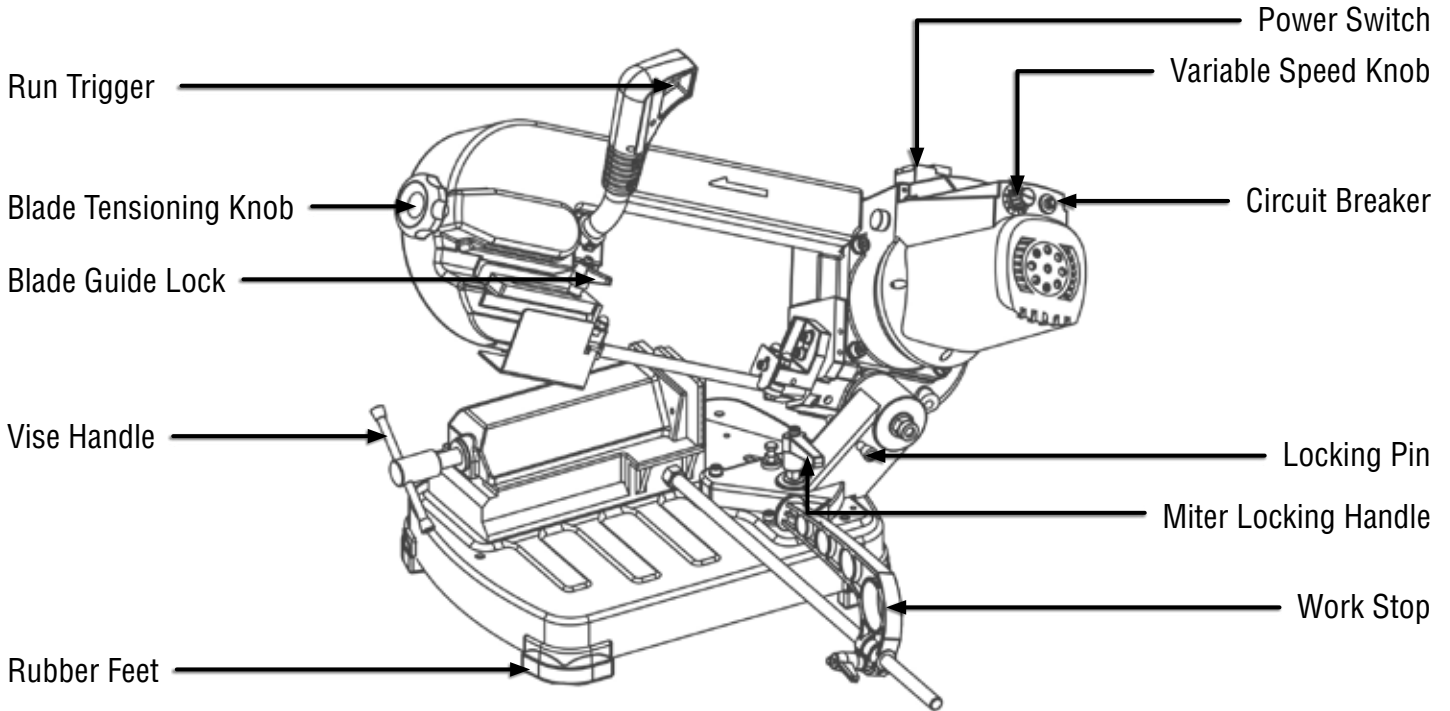
PACKING LIST



KNOW YOUR METAL BAND SAW

TOOL PURPOSE

Metal band saws are used to cut flat and round pieces of metal. Refer to the following diagrams to become familiarized with all the parts and controls of your metal band saw. The components will be referred to later in the manual for assembly and operation instructions.



ASSEMBLY & ADJUSTMENTS

⚠ WARNING! Do not plug in or turn on the tool until it is fully assembled according to the instructions. Read through and become familiarized with the following procedures of handling and adjusting your tool. Failure to follow the safety instructions may result in serious personal injury.

ASSEMBLING THE METAL BAND SAW

1. Attach the four feet (Fig. 2 - 1) to each respective corner of the base.
2. Place the machine on a work bench, and secure it in place by using the three holes provided in the base (Fig. 3). Use appropriate mounting hardware (not included). The holes are 8.5mm (0.335") in diameter.
3. Screw the guide rail into the threaded hole on the vise base. Use an adjustable wrench (not included) to turn the hex nut and secure the guide rail in place.
4. Attach the work stop (Fig. 2 - 2) to the guide rail (Fig. 2 - 3). Secure it in place by tightening the locking handle.

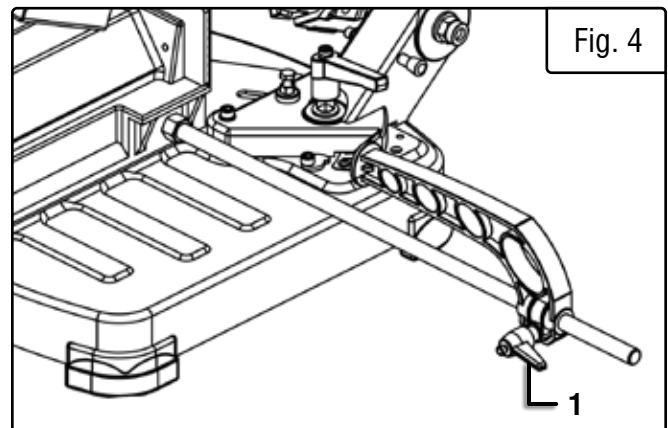
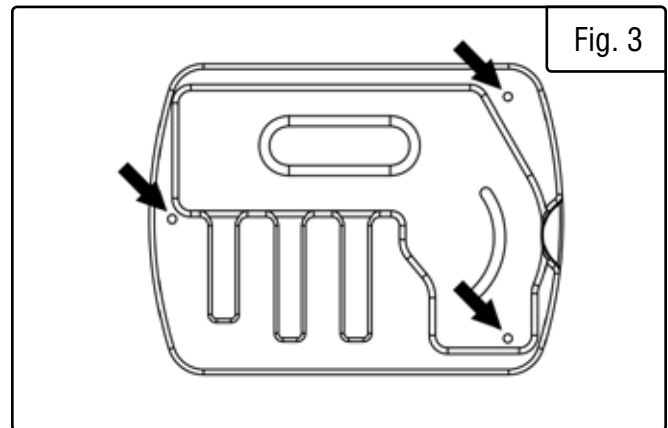
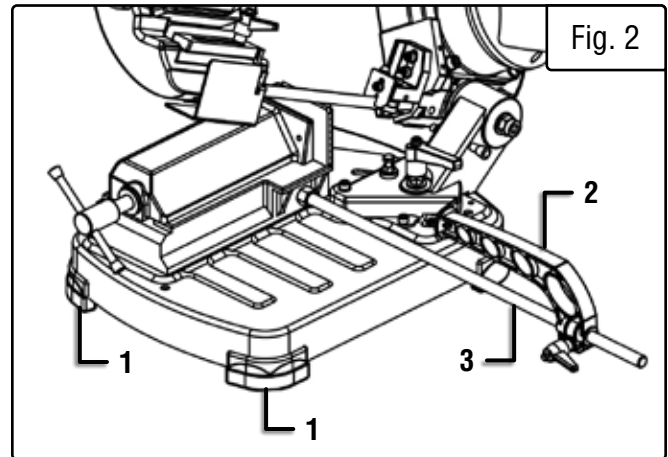
NOTE: The locking handle is spring-loaded and can be re-positioned as need be. To re-position the handle, pull it outwards, turn it to the desired position, and release it.

POSITIONING THE WORK STOP

If you have to make a series of cuts with a uniform length, use the supplied work stop.

1. Loosen the lock handle (Fig. 4 - 1).
2. Slide the work stop to the desired distance.
3. Tighten the lock handle again.

⚠ WARNING! Make sure that the work stop does not interfere with the downward movement of the blade.



ASSEMBLY & ADJUSTMENTS

MITER ANGLE ADJUSTMENT

This band saw cuts miter angles anywhere from 0 to 60 degrees. To make an adjustment to the cutting angle:

1. Loosen the angle lock handle (Fig. 5 - 1).
2. Turn the swivel support (Fig. 5 - 2) until the mark on the support matches the desired angle on the scale.
3. Tighten the miter locking handle.

NOTE: Your saw has 2 positive stops for quick adjustment. To adjust the position of the positive stops, loosen the socket head cap screw (Fig. 6 - 1) with a 5mm hex wrench, re-position the stop, and tighten the screw.

STATIONARY BLADE GUIDE

When setting up your saw for the first time or after installing a new blade, check to ensure that the stationary blade guide assembly is properly adjusted.

1. Using a hex wrench, loosen the 2 socket head cap screws (Fig. 6 - 2).
2. Adjust the position of the stationary blade guide assembly so that its side lays flush with the body of the saw.
3. Tighten the screws.

SLIDING BLADE GUIDE

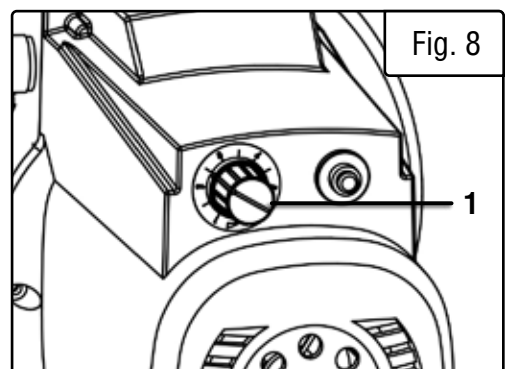
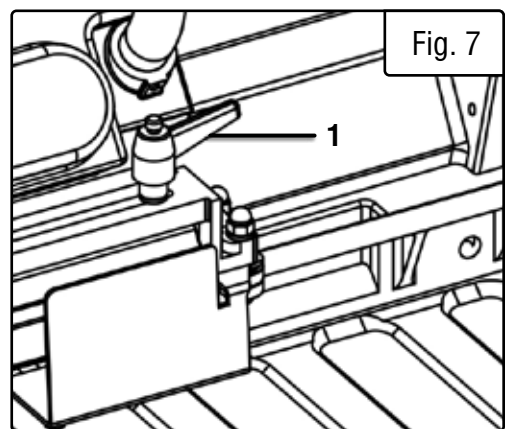
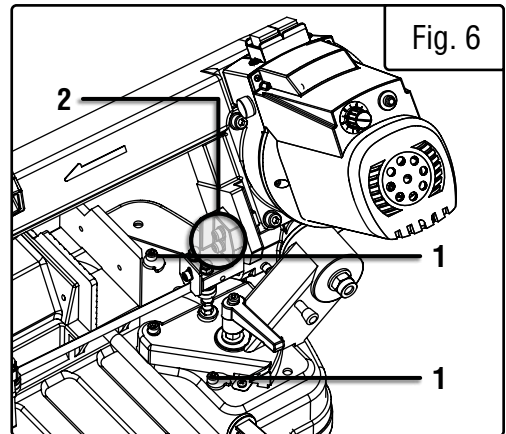
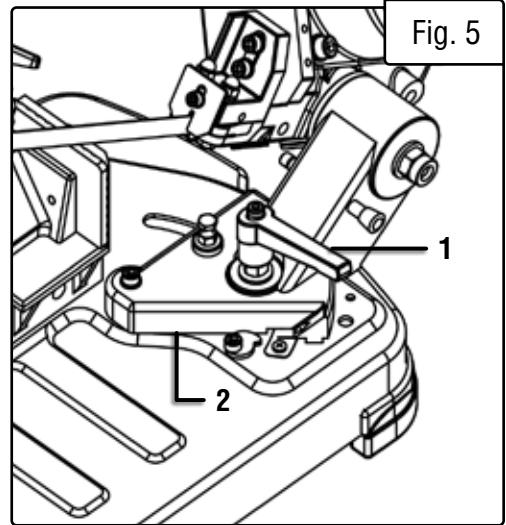
The blade guide must be adjusted before every cut on a workpiece. Without proper adjustment, the resulting cut may be unclear or jagged.

1. Loosen the blade guide locking handle (Fig. 7 - 1).
2. Slide the blade guide to move it closer to the workpiece. Position the guide bearings as close to the workpiece as possible without interfering with the cut. Tighten the blade guide locking handle.

CUTTING SPEED

The cutting speed depends on the material being cut. Generally, use a lower speed for ferrous metals or thicker workpieces, and a higher speed for non-ferrous metals or thinner workpieces. To adjust the speed, turn the control knob (Fig. 8 - 1). The speed ranges from 125 to 260 FPM.

- For common steel, use a speed between 125 and 180 FPM (settings 1 to 3).
- For aluminum or alloy, use the maximum speed of 260 FPM (setting 6).
- For pipes, use a speed between 220 and 260 FPM (settings 4 to 6).



OPERATION

OPERATING THE METAL BAND SAW

1. Pull out the pin (Fig. 9 - 1) from the hole in the saw's body and tilt the saw to its upper position. Set the blade stop to the desired position (Fig. 10 - 2).

NOTE: Never adjust the blade stop bolt so that the blade interferes with any part of the saw. Always check to be sure that the blade will not cut any part of the saw.

2. Use the vise to secure the workpiece in place (Fig. 10 - 1). Adjust the cutting speed to the desired rate.

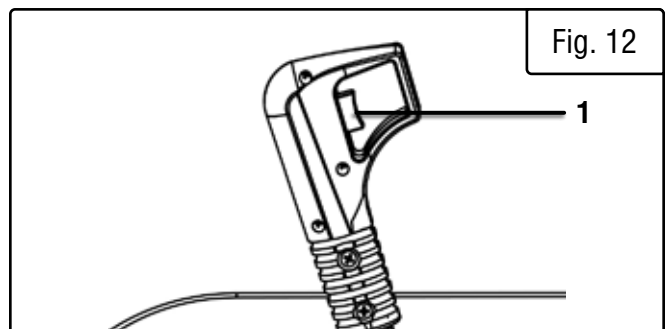
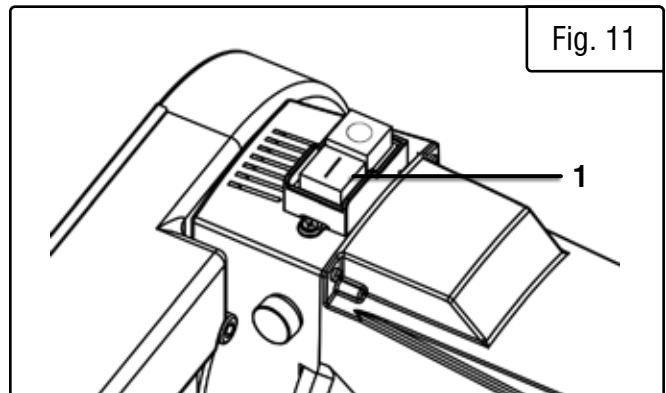
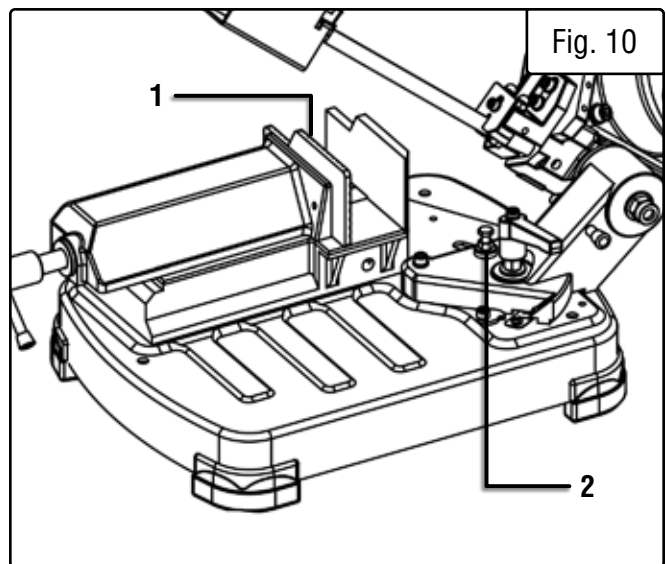
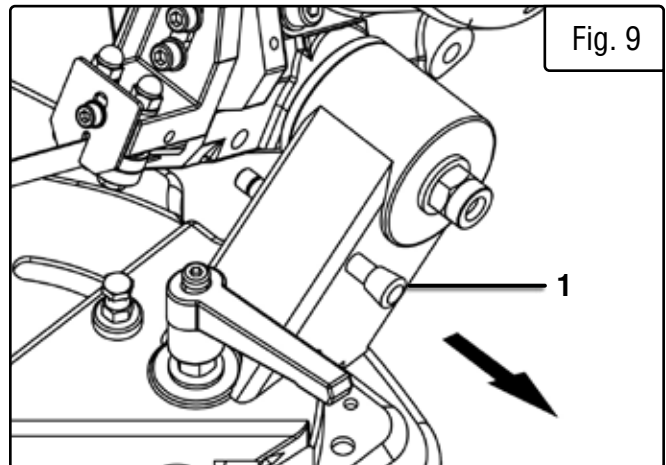
3. Push the green button (Fig. 11 - 1) to turn on power to the saw. The power indicator light (Fig. 11 - 2) will light up, but the blade will not start running yet. Pull the run trigger (Fig. 12 - 1) to start the blade running.

4. Once the saw blade has come to full speed, gradually lower the saw body downwards until the blade comes into light contact with the workpiece. Let the saw blade make a small groove along the workpiece to help ensure a straight cut (particularly with curved or round workpieces).

5. Once initial contact and a groove have been made, apply a small amount of additional pressure to continue the cut. Let the machine do the work.

NOTE: For optimal performance, cutting should only occur for 40% of the overall run time. For example, for every 10 minutes the machine is running, only four of those minutes should be under load in order to maximize the performance of the machine.

⚠ WARNING! When cutting magnesium, if using cutting oils, NEVER use water-soluble cutting oils or emulsions (oil-water mix). The water will greatly intensify any accidental magnesium chip fire and cause danger.



MAINTENANCE

⚠ WARNING! Turn off the machine and disconnect the power supply before conducting any maintenance work or adjusting any settings.

CHANGING THE SAW BLADE

⚠ WARNING! Band saw blades are extremely sharp! Always wear gloves when handling saw blades. Replace the band saw blade when it becomes dull. A sharp blade gives the best cuts and helps extend the life of your machine. Replacement blades (model no. **3975-056** and **BB5650**) can be purchased from **wenproducts.com**.

1. Remove blade cover by unscrewing the six screws shown in Fig. 13.
2. Relieve the blade tension by turning the blade tension adjustment knob counterclockwise (Fig. 14 - 1).
3. Carefully remove the blade, first from between the guide bearings and then from around the wheels.
4. Insert the new blade, first between the guide bearings and then around the wheels.

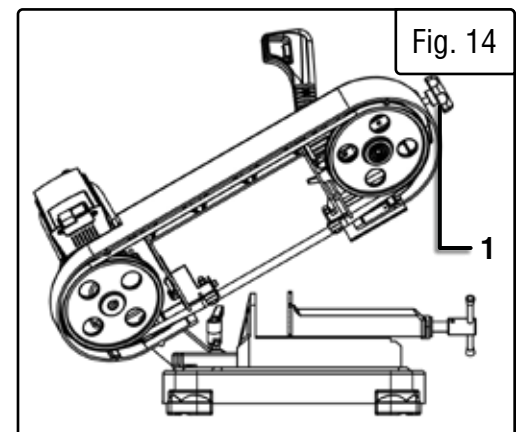
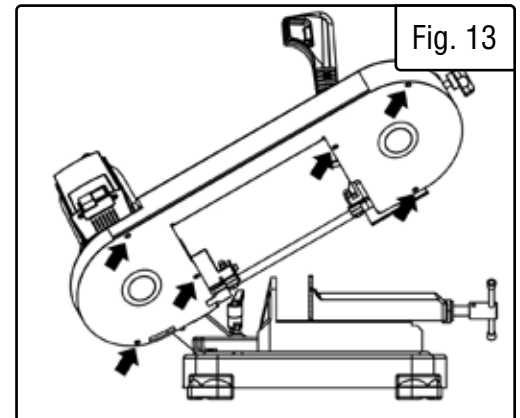
NOTE: Install the blade so that the teeth point in the direction of the saw's rotation.

5. Turn the blade tension adjustment knob (Fig. 14 - 1) until the blade is taut. The blade is properly tensioned when pressing lightly on the side of the blade moves the blade about 1/8 in.

6. Replace the blade cover and install the six screws (Fig. 13).
7. Run the saw at no-load for 10 – 20 seconds to allow the blade to seat on the wheels.
8. Adjust the blade guide in preparation for the next cut.

GENERAL MACHINE CARE

1. Routinely check the condition of the power supply cords and replace them if they are broken, worn or if internal wires are showing.
2. Use a brush to remove chips and other debris from the machine. Wipe off any cutting oil or other processing residue from the blade, guide bearings, vise, and rest of the saw whenever necessary, and especially before storing the saw. **TIP:** Apply a light coat of good-quality paste wax to the ways of the vise to protect it against damage and rust, and to allow the movable jaw to slide more easily.
3. Keep the vise ways clean. Allowing chips to get under the movable vise jaw can cause damage to the vise.
4. Keep the machine's hand grip clean in order to prevent accidental slippage during use.
5. If you do not intend to use the machine for longer than a week, clean it and store it in a cool, dry place out of the reach of children. Relieve blade tension; this will prolong the life of the blade and prevent warpage.
6. Check the blade condition daily. Replace the blade if it is dull, warped, or shows other signs of damage.

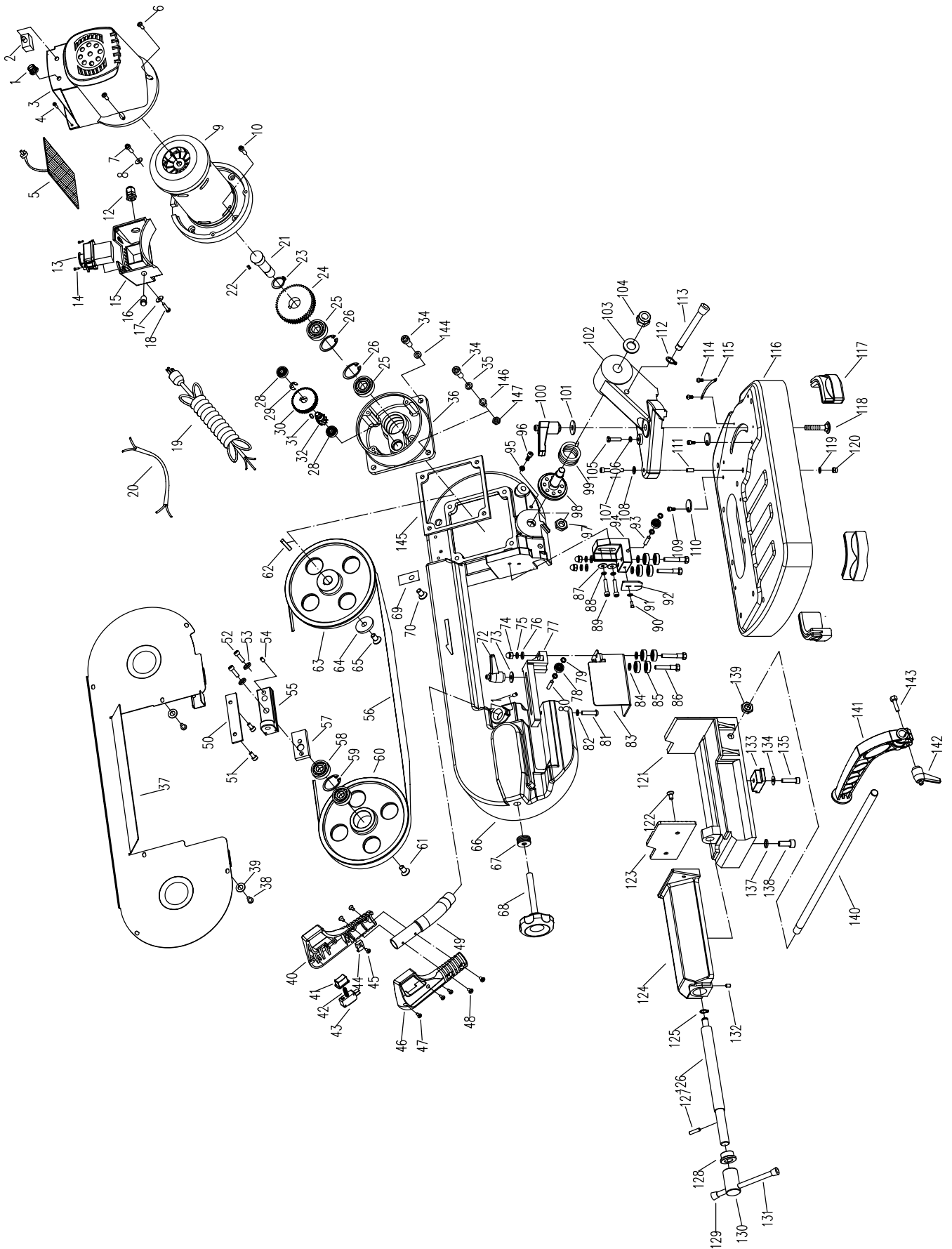


TROUBLESHOOTING GUIDE

⚠ WARNING! Stop using the generator immediately if any of the following problems occur or risk serious personal injury. If you have any questions, please contact customer service at **1-800-232-1195** (M-F 8-5 CST), or email techsupport@wenproducts.com.

PROBLEM	CAUSE	SOLUTION
Saw does not turn on.	<ol style="list-style-type: none"> 1. Saw not plugged in. 2. Incorrect extension cord gauge. 3. Power button not pressed. 4. Circuit breaker tripped to protect machine. 5. Worn carbon brushes. 6. Defective switch, PCB, power cord, or motor. 	<ol style="list-style-type: none"> 1. Plug saw in. 2. Use correct size and length on extension cord (refer to page 8). 3. Press green power button before pressing run button; ensure power indicator light is lit. 4. Wait a few minutes for the machine to cool. Press the breaker to reset it. Reduce cutting speed and feed rate. 5 & 6. Contact customer service at 1-800-232-1195 for assistance.
Power indicator light does not turn on after pressing green power button.	<ol style="list-style-type: none"> 1. Saw not plugged in. 2. Defective light, switch, power cord, or PCB. 	<ol style="list-style-type: none"> 1. Plug saw in. 2. Contact customer service at 1-800-232-1195 for assistance.
Inaccurate cut.	<ol style="list-style-type: none"> 1. Excessive cutting pressure. 2. Incorrect choice of blade teeth profile or count relative to workpiece. 3. Incorrect adjustment of the sliding blade guide. 4. Incorrect choice of blade speed. 5. Workpiece not tightly clamped in vise. 6. Blade tension too low. 	<ol style="list-style-type: none"> 1. Reduce the cutting pressure. Let the machine do the work. 2. Choose the proper blade for the given workpiece. 3. Check stationary blade guide alignment. Ensure sliding blade guide is positioned as close to workpiece as possible. 4. Adjust blade speed. 5. Clamp workpiece securely. Ensure vise jaws and vise ways are clean. Use work stop to stabilize workpiece. 6. Adjust blade tension (Fig. 14 - 1)
The blade tends to protrude from the guide, or keeps popping off.	<ol style="list-style-type: none"> 1. Excessive blade tension. 2. Blade is slipping on wheels or guide bearings due to presence of cutting lubricant. 3. Blade is warped, stretched, or dull. 4. Guide bearings improperly positioned or adjusted. 5. Improper blade speed or feed rate. 	<ol style="list-style-type: none"> 1. Adjust blade tension (Fig. 14 - 1) 2. Remove blade and clean wheels and guide bearings to remove lubricant. 3. Remove blade and inspect it. Replace if necessary. Blades can become warped through excess heat buildup (overuse). 4. Adjust or reposition guide bearings. 5. Adjust blade speed and/or feed rate.
Noisy operation.	<ol style="list-style-type: none"> 1. Blade is warped or improperly seated on wheels or between guide bearings. 2. Debris stuck in saw. 3. Loose fastener. 4. Worn bearing. 	<ol style="list-style-type: none"> 1. Remove blade and run saw to see if noise persists. Inspect blade for warpage. 2. Turn saw off and inspect for debris. 3. Inspect & tighten all fasteners. 4. Contact customer service.

EXPLODED VIEW & PARTS LIST



EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
1	3975-001	Speed Adjustment Knob	1
2	3975-002	Circuit Breaker	1
3	3975-003	Motor Housing	1
4	3975-004	Self-tapping Screw, ST2.9x13	2
5	3975-005	PCB	1
6	3975-006	Pan Head Screw, M4x8	3
7	3975-007	Pan Head Screw, M4x8	1
8	3975-008	Toothed Washer, 4mm	1
9	3975-009	Motor Assembly	1
10	3975-010	Socket Head Screw, M5x10	4
12	3975-012	Strain Relief	1
13	3975-013	Switch	1
14	3975-014	Self-tapping Screw, ST2.9x9.5	2
15	3975-015	Switch Housing	1
16	3975-016	Indicator Light	1
17	3975-017	Flat Washer, 4mm	2
18	3975-018	Self-tapping Screw, ST2.9x16	2
19	3975-019	Power Cord	1
20	3975-020	Wiring Harness	1
21	3975-021	Drive Wheel Shaft	1
22	3975-022	Key, 5x5x10mm	1
23	3975-023	Retaining Ring, 15mm	1
24	3975-024	50T Gear	1
25	3975-025	Ball Bearing, 6202ZZ	2
26	3975-026	Retaining Ring, 35mm	2
28	3975-028	Ball Bearing, 607ZZ	2
29	3975-029	Retaining Ring, 11mm	1

No.	Part No.	Description	Qty.
30	3975-030	43T Gear	1
31	3975-031	Key, 4x4x6mm	1
32	3975-032	Pinion Gear	1
34	3975-034	Socket Head Screw, M8x25	4
35	3975-035	Flat Washer, 8mm	4
36	3975-036	Gearbox	1
37	3975-037	Blade Cover	1
38	3975-038	Pan Head Screw, M5x8	6
39	3975-039	Flat Washer, 5mm	6
40	3975-040	Left Handle Housing	1
41	3975-041	Button	1
42	3975-042	Spring	1
43	3975-043	Run Trigger Switch	1
44	3975-044	Cord Clamp	5
45	3975-045	Pan Head Screw, M5x10	5
46	3975-046	Right Handle Housing	1
47	3975-047	Self-tapping Screw, ST2.9x9.5	3
48	3975-048	Flat Head Screw, M4x8	4
49	3975-049	Tube	1
50	3975-050	Guide Plate	2
51	3975-051	Socket Head Screw, M5x10	4
52	3975-052	Socket Head Screw, M8x25	2
53	3975-053	Lock Washer, 8mm	2
54	3975-054	Set Screw, M8x10	1
55	3975-055	Sliding Block	1
56	3975-056	Blade	1
57	3975-057	Bevel Plate	1
58	3975-058	Ball Bearing, 6201ZZ	2
59	3975-059	Retaining Ring, 32mm	1

EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
60	3975-060	Driven Wheel	1
61	3975-061	Flat Head Screw, M8x12	1
62	3975-062	Key, 4x4x20mm	1
63	3975-063	Drive Wheel	1
64	3975-064	Flat Washer	1
65	3975-065	Flat Head Screw, M6x12	1
66	3975-066	Frame	1
67	3975-067	Spring Washer	8
68	3975-068	Blade Tension Knob	1
69	3975-069	Cord Clamp	2
70	3975-070	Pan Head Screw, M5x8	2
71	3975-071	Set Screw, M6x8	1
72	3975-072	Lock Handle	1
73	3975-073	Flat Washer, 6mm	1
74	3975-074	Nut, M6	4
75	3975-075	Lock Washer, 6mm	4
76	3975-076	Flat Washer, 6mm	4
77	3975-077	Rear Blade Guide Block	1
78	3975-078	Ball Bearing, 625ZZ	2
79	3975-079	Flat Washer, 5mm	4
80	3975-080	Pin, 5x24mm	1
81	3975-081	Socket Head Screw, M6x25	1
82	3975-082	Lock Washer, 6mm	1
83	3975-083	Blade Guard	1
84	3975-084	Flat Washer, 6mm	4
85	3975-085	Ball Bearing, 607ZZ	8
86	3975-086	Shaft	4
87	3975-087	Flat Washer, 6mm	2
88	3975-088	Lock Washer, 6mm	2
89	3975-089	Socket Head Screw, M6x25	2

No.	Part No.	Description	Qty.
90	3975-090	Socket Head Screw, M5x10	1
91	3975-091	Flat Washer, 5mm	1
92	3975-092	Guard Plate	1
93	3975-093	Pin, 5x35mm	1
94	3975-094	Front Blade Guide Block	1
95	3975-095	Nut, M6	1
96	3975-096	Socket Head Screw, M6x25	1
97	3975-097	Nut, M16-1.5	1
98	3975-098	Center Shaft	1
99	3975-099	Torsion Spring	1
100	3975-100	Lock Handle	1
101	3975-101	Flat Washer, 10mm	1
102	3975-102	Swivel Support	1
103	3975-103	Flat Washer, 12mm	1
104	3975-104	Nut, M12	1
105	3975-105	Hex Head Bolt, M6x25	1
106	3975-106	Nut, M6	1
107	3975-107	Socket Head Screw, M6x35	1
108	3975-108	Flat Washer, 6mm	1
109	3975-109	Socket Head Screw, M5x10	2
110	3975-110	Positive Stop Cam	2
111	3975-111	Bushing	1
112	3975-112	Retaining Ring, 8mm	1
113	3975-113	Lock Pin	1
114	3975-114	Pan Head Screw, M4x8	2
115	3975-115	Angle Scale	1
116	3975-116	Base	1
117	3975-117	Foot	4
118	3975-118	Carriage Bolt, M10x40	1

EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
119	3975-119	Flat Washer, 6mm	1
120	3975-120	Nut, M6	1
121	3975-121	Vise Base	1
122	3975-122	Flat Head Screw, M6x12	2
123	3975-123	Vise Jaw Plate	1
124	3975-124	Vise Body	1
125	3975-125	Nut, M10	1
126	3975-126	Screw	1
127	3975-127	Spring Pin, 5x12mm	1
128	3975-128	Bushing	1
129	3975-129	Handle Cap	2
130	3975-130	Handle Base	1
131	3975-131	Handle Rod	1
132	3975-132	Set Screw, M5x8	1
133	3975-133	Guide Block	1

No.	Part No.	Description	Qty.
134	3975-134	Lock Washer, 6mm	1
135	3975-135	Hex Head Bolt, M6x25	1
137	3975-137	Lock Washer, 8mm	6
138	3975-138	Socket Head Screw, M8x25	6
139	3975-139	Nut, M12	1
140	3975-140	Work Stop Rod	1
141	3975-141	Work Stop	1
142	3975-142	Lock Handle	1
143	3975-143	Hex Head Bolt, M6x25	1
144	3975-144	Toothed Washer, 8mm	1
145	3975-145	Motor Housing Gasket	1
146	3975-146	Washer Gasket	3
147	3975-147	Nut, M8	4

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.

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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 tech-support@wenproducts.com or 1-800-232-1195 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.

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