

WEN 3962

WEN 3962T 10-Inch Two-Speed Band Saw Instruction Manual

Model: 3962 | Brand: WEN

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective operation, assembly, maintenance, and troubleshooting of your WEN 3962T 10-Inch Two-Speed Band Saw. Please read this manual thoroughly before operating the tool and keep it for future reference. Understanding and following these instructions will ensure optimal performance and extend the life of your band saw.

2. GENERAL SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow safety guidelines can result in serious injury or property damage.

- **Read All Instructions:** Familiarize yourself with the tool's operation and safety procedures.
- **Wear Eye Protection:** Always wear ANSI-approved safety goggles or a face shield.
- **Wear Hearing Protection:** Use earplugs or earmuffs during operation.
- **Keep Work Area Clean:** Cluttered areas and benches invite accidents.
- **Avoid Dangerous Environment:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Secure Workpiece:** Always use clamps or a vise to hold the workpiece.
- **Do Not Force Tool:** It will do the job better and safer at the rate for which it was designed.
- **Use Right Tool:** Do not force small tool or attachment to do the job of a heavy duty tool.
- **Dress Properly:** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
- **Maintain Tools With Care:** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- **Disconnect Tools:** Disconnect tools from power supply before servicing, when changing accessories, or when not in use.

- **Avoid Accidental Starting:** Make sure switch is off when plugging in.
- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking. If any parts are missing or damaged, contact WEN customer service immediately.

- WEN 10-Inch Two-Speed Band Saw
- Stand
- Flexible Work Light
- 3-in-1 Dust Port (1-3/4, 2-3/4, 4 inches)
- Fence for straight cuts
- Miter Gauge for angled cuts
- Band Saw Blade (72-inch, 1/8 to 1/2 inches in size)



Figure 3.1: Complete WEN 3962T Band Saw with stand and worklight.

4. SETUP AND ASSEMBLY

Follow these steps for proper assembly and initial setup of your band saw.

1. **Assemble the Stand:** Securely attach the stand components according to the included hardware. Ensure all bolts are tightened to provide a stable base for the saw.
2. **Mount the Band Saw:** Carefully lift the band saw onto the assembled stand and secure it using the provided mounting hardware.
3. **Install the Blade:**
 - Open the blade covers.
 - Carefully position the blade around the upper and lower wheels, ensuring the teeth are pointing downwards towards the table.
 - Adjust the blade tension using the tension knob until the blade is taut but not overly stressed.
 - Adjust the blade guides and thrust bearings to ensure proper blade tracking and support.



Figure 4.1: Internal view showing blade wheels and tensioning.



Figure 4.2: Close-up of blade guide and thrust bearings.

4. **Install the Work Table:** Attach the spacious 14-1/8 x 12-1/2 inch work table. Ensure it is level with the blade and can be securely locked at various angles up to 45 degrees.
5. **Attach the Fence and Miter Gauge:** Install the fence for straight cuts and the miter gauge for angled cuts onto the work table.
6. **Connect the Work Light:** Position the flexible work light to illuminate the worktable effectively.
7. **Connect Dust Collection:** Attach a dust extractor hose to the 3-in-1 dust port (1-3/4, 2-3/4, or 4

inches) to maintain a clean work environment.

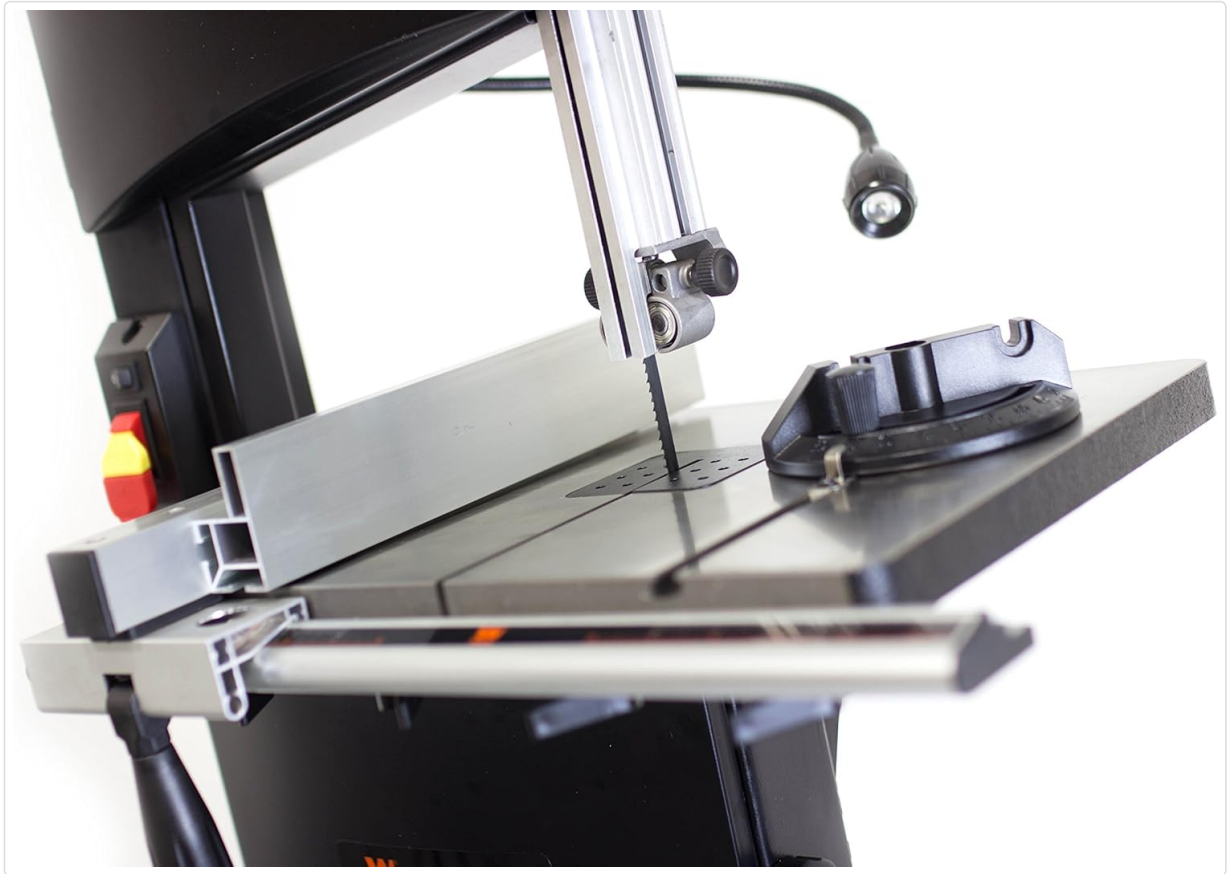


Figure 4.3: Work table with fence and miter gauge installed.



Figure 4.4: Flexible work light in position.



Figure 4.5: 3-in-1 dust port for dust collection.

5. OPERATING INSTRUCTIONS

Understand the features and controls of your band saw for efficient and safe operation.

- **Power Switch:** Locate the main power switch for turning the saw on and off.
- **Speed Selection:** The saw operates at two speeds: 1520 FPM (Feet Per Minute) and 2620 FPM. Select the appropriate speed for your material. Lower speeds are generally for harder materials or intricate cuts, while higher speeds are for softer woods and faster cutting.
- **Work Table Adjustment:** The work table can be swiveled up to 45 degrees for angled cuts. Loosen the locking mechanism, adjust to the desired angle, and re-tighten securely.
- **Using the Fence:** For straight cuts, position the fence parallel to the blade and lock it in place.
- **Using the Miter Gauge:** For precise angled cross-cuts, use the miter gauge. Adjust it to the desired angle and guide the workpiece against it.
- **Cutting Procedure:**
 - a. Ensure the workpiece is free of nails, screws, or other foreign objects.
 - b. Adjust the blade guide assembly so it is approximately 1/8 inch above the workpiece.
 - c. Turn on the saw and allow the blade to reach full speed before beginning the cut.
 - d. Feed the workpiece slowly and steadily into the blade. Do not force the material.
 - e. Keep hands clear of the blade path. Use a push stick for smaller pieces.

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Video 5.1: An overview of the WEN 3962 Two-Speed Band Saw with Stand and Worklight, demonstrating its features and operation. This video is provided by the merchant.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your band saw.

- **Blade Replacement:** Replace dull or damaged blades promptly. Always disconnect power before changing blades.
- **Cleaning:** Regularly clean sawdust and debris from the work table, blade guides, and internal components. Use a vacuum or compressed air.
- **Lubrication:** Periodically lubricate moving parts as specified in the full product manual (not provided here).
- **Blade Tension:** Check blade tension before each use. Proper tension prevents blade breakage and ensures accurate cuts.
- **Blade Guides and Bearings:** Inspect blade guides and thrust bearings for wear and proper adjustment. Replace worn components as needed.
- **Table Waxing:** Apply paste wax to the cast iron table to reduce friction and prevent rust.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Saw does not start	No power, faulty switch, tripped circuit breaker.	Check power connection, inspect switch, reset breaker.
Blade wanders or cuts inaccurately	Incorrect blade tension, worn blade guides/bearings, dull blade, improper blade tracking.	Adjust blade tension, inspect/replace guides/bearings, replace blade, adjust blade tracking.

Problem	Possible Cause	Solution
Excessive vibration or noise	Loose components, unbalanced wheels, worn bearings, improper blade installation.	Check all fasteners, inspect wheels for damage, replace worn bearings, re-install blade correctly.
Blade breaks frequently	Over-tensioned blade, incorrect blade for material, forcing cuts, worn blade guides.	Reduce blade tension, use appropriate blade, feed slowly, inspect/adjust guides.

8. SPECIFICATIONS

Feature	Specification
Brand	WEN
Model Number	3962
Motor	3.5 Amp
Throat Depth	9-3/4 inches
Max Cutting Depth	6 inches
Blade Length	72 inches
Blade Width Range	1/8 to 1/2 inches
Speeds	1520 FPM, 2620 FPM (Two-Speed)
Work Table Size	14-1/8 x 12-1/2 inches
Table Bevel Capacity	Up to 45 degrees
Dust Port Size	3-in-1 (1-3/4, 2-3/4, 4 inches)
Item Weight	73 pounds
Power Source	Electric

9. WARRANTY AND SUPPORT

The WEN 3962T 10-Inch Two-Speed Band Saw comes with a **2-year limited warranty** for residential use. For commercial use, a 90-day warranty applies. This warranty covers defects in material and workmanship. For warranty claims, technical assistance, or to order replacement parts, please contact WEN customer service.

For further assistance, visit the official WEN website or contact their customer support line. Please have your model number (3962) and purchase information ready when contacting support.

