

Black & Decker Model 9443 Compatible

Ultra Duty Urethane Bandsaw Tire Installation and Maintenance Guide for Black & Decker Model 9443

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1. INTRODUCTION

These Ultra Duty .125 Thick Urethane Bandsaw Tires are designed as a high-performance replacement for the Black & Decker Model 9443 Bandsaw. Manufactured from durable, heat-resistant urethane, these tires provide superior grip, reduce vibration, and ensure consistent blade tracking for cleaner, more accurate cuts. Their flexible design allows for easy, tool-free installation, offering an extended lifespan compared to traditional rubber tires.



Figure 1: Two Ultra Duty Urethane Bandsaw Tires, ready for installation.

2. SETUP & INSTALLATION

Proper installation of your new urethane bandsaw tires is essential for optimal performance and safety. Follow these steps carefully:

2.1 Safety Precautions

- Always unplug the bandsaw from the power source before performing any maintenance or installation.
- Wear appropriate personal protective equipment, such as gloves, to protect your hands.
- Ensure the bandsaw is stable and secured before beginning work.

2.2 Removing Old Tires

1. Open the bandsaw wheel covers to access the upper and lower wheels.
2. Carefully remove the bandsaw blade.
3. If present, cut and remove the old rubber tires from the wheels. Clean any adhesive residue or debris from the wheel surfaces using a wire brush or appropriate cleaner. Ensure the wheel surfaces are smooth and dry.

2.3 Installing New Urethane Tires

Urethane tires are designed to stretch over the wheel for a tight, secure fit. No adhesive is typically required.

1. Begin by hooking one edge of the urethane tire onto the rim of the bandsaw wheel.
2. Gradually work the tire around the wheel, stretching it evenly. You may need to use a blunt tool (like a screwdriver handle) to help lever the tire over the rim, being careful not to damage the tire or the wheel.

3. Once the tire is fully seated on the wheel, ensure it is centered and lies flat without any twists or buckles.
4. Repeat the process for the second wheel.



Figure 2: Urethane tire being stretched onto a bandsaw wheel.

2.4 Post-Installation Check

- Spin the wheels by hand to ensure the tires are seated correctly and run true.
- Reinstall the bandsaw blade, ensuring proper tension and tracking according to your bandsaw's manufacturer instructions.
- Close the wheel covers and reconnect the power.
- Perform a test run without material to confirm smooth operation and blade tracking.

3. OPERATION

These urethane bandsaw tires enhance the performance of your Black & Decker Model 9443 Bandsaw by providing a stable and consistent surface for the blade. This results in:

- **Smoother Blade Tracking:** The consistent grip helps the blade stay centered on the wheels, reducing wandering.
- **Reduced Vibration:** The material dampens vibrations, leading to a quieter operation and improved cut quality.
- **Cleaner, More Accurate Cuts:** Stable blade movement contributes to precise and clean cuts across various materials.
- **Extended Blade Life:** Reduced slippage and vibration minimize stress on the blade, prolonging its sharpness and overall lifespan.

Always operate your bandsaw according to the manufacturer's safety guidelines. Ensure the blade is sharp and

properly tensioned for the material being cut.

4. MAINTENANCE

To ensure the longevity and continued performance of your urethane bandsaw tires, regular maintenance is recommended:

- **Regular Inspection:** Periodically inspect the tires for any signs of wear, cracking, or deformation. While urethane is highly durable, extreme conditions or prolonged heavy use can eventually cause wear.
- **Cleaning:** Dust and debris can accumulate on the tire surface. Use a brush or compressed air to clean the tires and wheels regularly. Avoid using harsh chemicals that could degrade the urethane material.
- **Blade Tension:** Ensure proper blade tension. Over-tensioning can put undue stress on the tires, while under-tensioning can lead to blade slippage and premature tire wear.
- **Storage:** If the bandsaw is stored for extended periods, ensure it is in a dry, temperature-controlled environment to prevent material degradation.

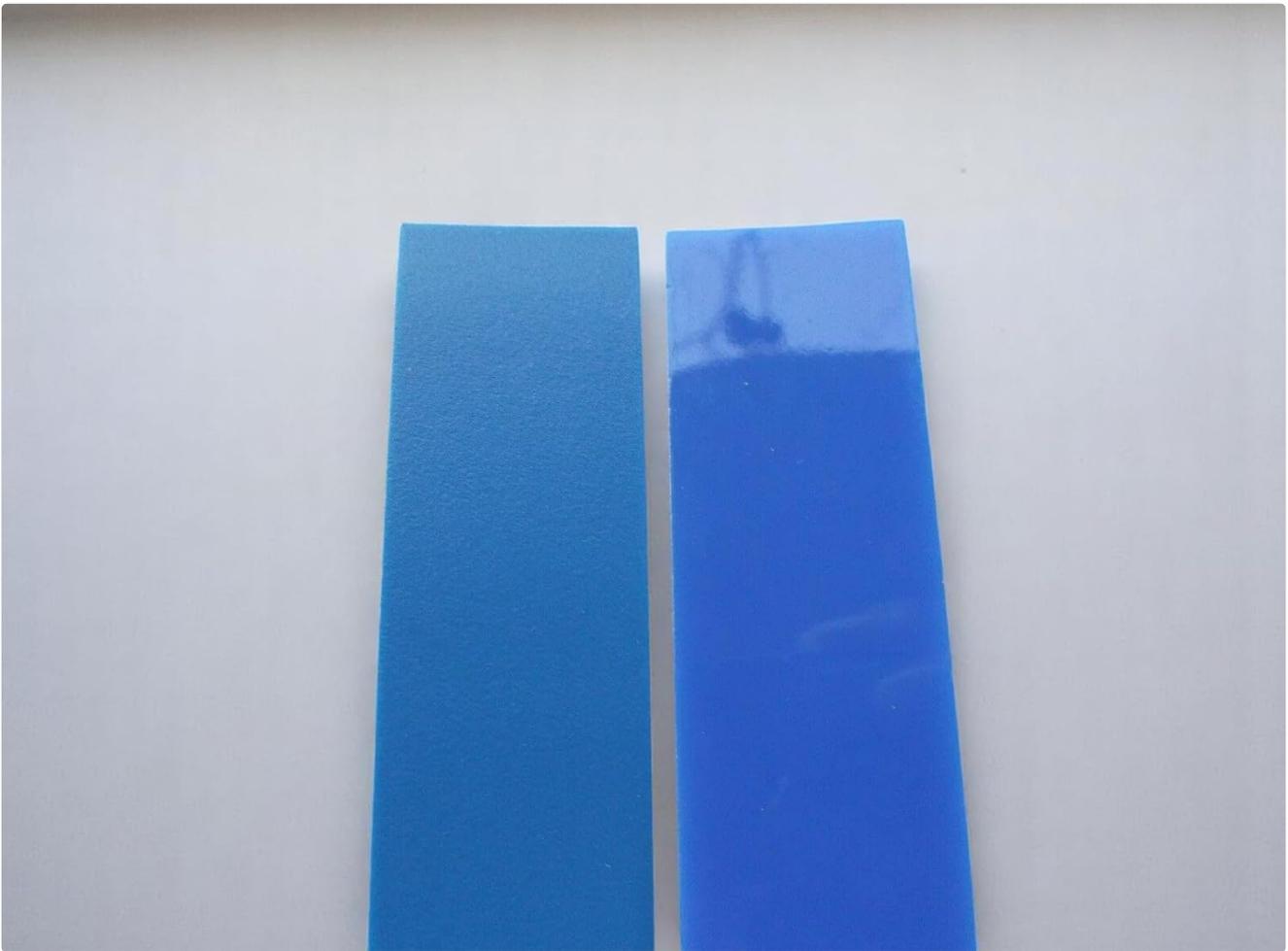


Figure 3: Close-up view of the durable urethane material.

5. TROUBLESHOOTING

Here are some common issues and their potential solutions:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
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| Problem | Possible Cause | Solution |
|------------------------------|--|---|
| Blade slipping on tires | Insufficient blade tension, dirty tires, improperly seated tires. | Adjust blade tension according to bandsaw manual. Clean tire surfaces. Re-seat tires to ensure they are flat and centered. |
| Excessive vibration or noise | Improperly seated tires, worn wheel bearings (not tire related), unbalanced blade. | Check tire seating. Inspect bandsaw wheel bearings. Ensure blade is not bent or damaged. |
| Blade tracking issues | Improper blade tension, misaligned wheels, worn blade guides, improperly seated tires. | Adjust blade tension and tracking. Verify wheel alignment. Check and adjust blade guides. Ensure tires are correctly installed. |

6. SPECIFICATIONS

- **Material:** High-performance Urethane
- **Thickness:** 0.125 inches
- **Compatibility:** Designed for Black & Decker Model 9443 Bandsaw
- **Key Features:**
 - Heat-resistant for demanding workloads
 - Flexible for easy, tool-free installation
 - Resistant to wear, cracking, and deformation
 - Provides consistent tension and balanced rotation
- **Part Number:** Reparts_BANdSaWTirES_BandSAW_000499
- **Manufacturer:** Reparts

7. WARRANTY & SUPPORT

For specific warranty information or technical support regarding your Ultra Duty Urethane Bandsaw Tires, please refer to the documentation provided with your purchase or contact the manufacturer directly. General product support can often be found on the manufacturer's official website.