Makita 9403

Makita 9403 4" x 24" Belt Sander Instruction Manual

Model: 9403 | Brand: Makita

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita 9403 4" x 24" Belt Sander. Please read this manual thoroughly before initial use and retain it for future reference.

Important Safety Information

General Power Tool Safety Warnings

- **WARNING:** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
- **SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.**

Work Area Safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- 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.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric

shock.

- 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.

Personal Safety

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and a dust mask, especially when sanding.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing and use common sense when operating a power tool.

Included Components

Your Makita 9403 Belt Sander package includes the following items:

- 1 x Makita 9403 Belt Sander Unit
- 1 x Abrasive Belt (#80 grit, 4" x 24" - Part No. 742322-9)
- 1 x Dust Bag (Part No. 122562-9)



Image showing the Makita 9403 Belt Sander, an abrasive belt, and the dust bag, along with the product packaging.

Setup

Attaching the Dust Bag

The Makita 9403 is equipped with a highly efficient dust collection system. To attach the dust bag:

1. Locate the dust port on the side of the sander.
2. Slide the dust bag's opening firmly onto the dust port. Ensure it is securely attached to prevent dust leakage.
3. The dust bag can swivel 360° for convenient operation, allowing you to position it optimally for your work area.



The Makita 9403 Belt Sander with its dust bag attached, ready for operation.

Installing/Changing the Abrasive Belt

Changing the abrasive belt is a simple process:

1. Ensure the sander is unplugged from the power source.
2. Locate the lever on the side of the sander, near the front roller.
3. Pull the lever to release the tension on the belt, allowing it to loosen.
4. Carefully slide the old abrasive belt off the rollers.
5. Place the new abrasive belt onto the rollers, ensuring the arrow on the inside of the belt matches the direction of rotation indicated on the sander.

6. Push the lever back to tension the new belt.
7. Verify the belt is centered on the rollers. If not, use the tracking adjustment knob (usually located near the front roller) to align it.



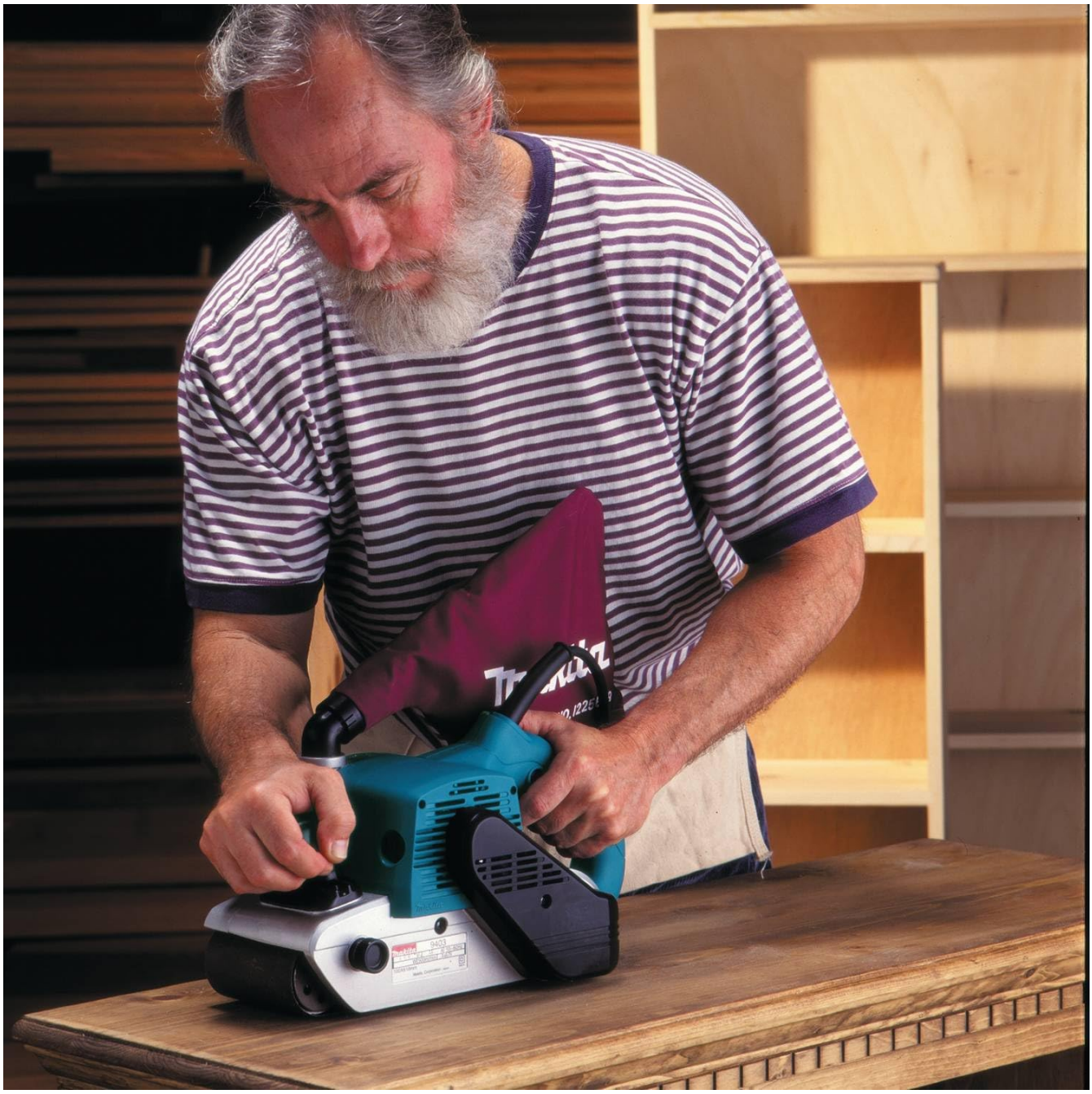
Close-up view of the belt sander's mechanism, illustrating the abrasive belt and rollers for easy replacement.

Operating Instructions

General Operation

The Makita 9403 Belt Sander is designed for fast and efficient stock removal, particularly on flat surfaces like subfloors or large boards. Its heavy weight (13.0 lbs) contributes to stability and reduces the need for excessive downward pressure during operation.

1. **Prepare Workpiece:** Secure your workpiece firmly to prevent movement during sanding.
2. **Grip Sander:** Hold the sander firmly with both hands, utilizing the large front grip for comfort and control.
3. **Start Sander:** Plug the sander into a 115V power outlet. Press the trigger switch to start the motor.
4. **Begin Sanding:** Gently lower the running sander onto the workpiece. Move the sander smoothly and evenly across the surface in the direction of the wood grain. Avoid tilting the sander or applying uneven pressure, which can cause gouging.
5. **Flush Sanding:** The unique design allows for flush sanding to walls, making it ideal for edge work.
6. **Stop Sander:** Lift the sander off the workpiece before releasing the trigger switch.



A user demonstrating the proper two-hand grip while operating the Makita 9403 Belt Sander on a wooden surface.

Tips for Best Results

- Allow the weight of the sander to do most of the work.
- Overlap each pass slightly to ensure even sanding.
- Regularly check the abrasive belt for wear and replace it when necessary.
- Empty the dust bag frequently to maintain optimal dust collection efficiency.

Maintenance

Cleaning

Regular cleaning ensures the longevity and performance of your sander:

- After each use, empty the dust bag.

- Wipe down the exterior of the sander with a clean, dry cloth.
- Periodically inspect the labyrinth construction for dust and debris buildup and clean as needed. This design helps seal the motor and bearings from contamination.
- Check the replaceable ceramic wear plate for signs of wear and replace if damaged.

Belt Replacement

Refer to the "Installing/Changing the Abrasive Belt" section under Setup for detailed instructions.

Motor Brushes

The motor brushes may require periodic inspection and replacement. Consult a qualified service technician for this procedure to ensure proper function and safety.

Troubleshooting

Problem	Possible Cause	Solution
Sander does not start	No power supply; Damaged power cord; Faulty switch	Check power outlet and connections; Inspect power cord for damage (replace if necessary); Contact service center for switch replacement.
Belt slips or tracks unevenly	Belt not tensioned correctly; Incorrect belt size; Worn tracking mechanism	Ensure belt tension lever is engaged; Use correct 4" x 24" belt; Adjust tracking knob; If problem persists, contact service center.
Excessive dust leakage	Dust bag not attached properly; Dust bag full; Clogged dust port	Re-attach dust bag securely; Empty dust bag; Clear any blockages from the dust port.
Sander overheats	Overloading; Poor ventilation; Worn motor brushes	Reduce load on the sander; Ensure air vents are clear; Contact service center for brush inspection/replacement.

Specifications

Feature	Detail
Model Number	9403
Belt Size	4" x 24"
Belt Speed	1,640 ft./min.
Amperage (115V)	11.0 Amps
Voltage	230 Volts (Note: Product may be rated for 115V in some regions. Refer to your specific unit's label.)
Overall Length	13-7/8"

Feature	Detail
Net Weight	13.0 lbs.
Sound Level	84 dB
Power Source	Corded Electric

Warranty Information

The Makita 9403 4" x 24" Belt Sander comes with a **1-year limited warranty** from the date of original purchase. This warranty covers defects in materials and workmanship under normal use. For full terms and conditions, please refer to the warranty card included with your product or visit the official Makita website.

Customer Support

For technical assistance, service, or to inquire about replacement parts, please contact Makita Customer Service. You can find contact information on the official Makita website or through your local authorized Makita service center.

Online Resources:

- Official Makita Website: www.makitatools.com
- User Manual (PDF): Download PDF Manual