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Makita 9404J

Makita 9404J 100 x 610mm Makpac Belt Sander User Manual

Model: **9404J** | Brand: **Makita**

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita 9404J Belt Sander. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Image 1.1: Front view of the Makita 9404J Belt Sander. This image displays the main body of the sander, including the sanding belt, front handle, and part of the motor housing.

2. Safety Instructions

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

General Power Tool Safety

- **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.

- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection (safety glasses or goggles), hearing protection, and a dust mask. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Specific Belt Sander Safety

- Always secure the workpiece. Do not hold small pieces by hand.
- Ensure the sanding belt is correctly installed and tracked before operation.
- Do not sand materials containing asbestos or lead paint without proper respiratory protection and containment.
- Allow the sander to reach full operating speed before contacting the workpiece.
- Regularly empty the dust bag to maintain efficient dust collection and prevent fire hazards from fine dust.

3. Components and Parts

Familiarize yourself with the various parts of your Makita 9404J Belt Sander.

1. **Sanding Belt:** The abrasive loop used for material removal.
2. **Drive Roller:** The rear roller that powers the sanding belt.
3. **Tracking Adjustment Knob:** Used to center the sanding belt on the rollers.
4. **Dust Extraction Port:** Connection point for the dust bag or external dust extractor.
5. **Dust Bag:** Collects sanding dust during operation.
6. **Front Handle:** Provides additional grip and control.
7. **Rear Handle:** Main grip for operating the tool.
8. **Power Switch:** Activates and deactivates the tool.
9. **Variable Speed Dial:** Adjusts the belt speed for different applications.
10. **Power Cord:** Connects the tool to an electrical outlet.



Image 3.1: Rear view of the Makita 9404J Belt Sander, showing the power cord and the rear handle.



Image 3.2: Close-up of the sanding belt area, highlighting the belt and front roller mechanism.



Image 3.3: Detailed view of the dust extraction port, where the dust bag or vacuum hose connects.



Image 3.4: Top view of the sander, showing the main handle and the variable speed dial (numbered 1-5).



Image 3.5: The red dust bag accessory, designed to collect sanding debris.



Image 3.6: The Makita 9404J Belt Sander shown with the dust bag attached, alongside its Makpac carrying case.

4. Setup

4.1. Installing/Changing Sanding Belt

1. Ensure the tool is unplugged from the power source.
2. Locate the belt release lever (often on the side of the tool). Push or pull the lever to release tension on the sanding belt.
3. Slide the old sanding belt off the rollers.
4. Slide the new sanding belt onto the rollers, ensuring the directional arrow on the belt matches the arrow on the tool.
5. Return the belt release lever to its original position to tension the new belt.
6. Plug in the tool briefly and turn it on to check belt tracking. Adjust the tracking knob (usually on the side or front) until the belt runs centrally on the rollers without rubbing against the housing. Unplug the tool after adjustment.

4.2. Attaching Dust Bag

1. Ensure the tool is unplugged.
2. Align the opening of the dust bag with the dust extraction port on the sander.
3. Push the dust bag firmly onto the port until it is securely seated.

4.3. Power Connection

Connect the power cord to a suitable electrical outlet. Ensure the voltage of the power supply matches the rating on the tool's nameplate.

5. Operating Instructions

5.1. Pre-Operation Check

- Verify the sanding belt is correctly installed and tracked.
- Ensure the dust bag is securely attached and empty.

- Secure the workpiece firmly to prevent movement during sanding.
- Wear appropriate personal protective equipment (PPE), including eye, hearing, and respiratory protection.

5.2. Powering On/Off

- To start the tool, depress the trigger switch.
- To stop the tool, release the trigger switch.
- For continuous operation, depress the trigger switch and then push in the lock-on button (if present). To release, depress the trigger switch fully again.

5.3. Variable Speed Control

The Makita 9404J features a variable speed dial, typically numbered 1 to 5. Rotate the dial to select the desired belt speed:

- Lower speeds (1-2) are suitable for fine finishing, delicate materials, or when less aggressive material removal is needed.
- Higher speeds (3-5) are ideal for rapid material removal, rough sanding, or working with harder materials.

5.4. Sanding Technique

- Hold the sander firmly with both hands.
- Allow the tool to reach full speed before contacting the workpiece.
- Apply light, even pressure and move the sander smoothly and consistently across the surface. Avoid tilting the tool, as this can create uneven sanding marks.
- Overlap each pass slightly to ensure uniform sanding.
- For best results, sand with the grain of the wood.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool. Always unplug the tool before performing any maintenance.

6.1. Cleaning

- Empty the dust bag frequently, especially when sanding fine dust.
- Use a soft brush or compressed air to clean dust and debris from the ventilation openings and around the sanding belt area. Do not use solvents or harsh chemicals.

6.2. Belt Tracking Adjustment

If the sanding belt consistently drifts to one side, adjust the tracking knob while the tool is running (briefly, with caution) until the belt runs centrally. Refer to section 4.1 for initial setup.

6.3. Carbon Brushes

The motor uses carbon brushes, which are wear items. If the tool experiences reduced power, excessive sparking, or stops working, the carbon brushes may need inspection or replacement. This procedure should ideally be performed by a qualified service technician.

6.4. Power Cord Inspection

Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified professional to avoid electrical hazards.

7. Troubleshooting

Before contacting service, try these common troubleshooting steps.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Faulty switch; Worn carbon brushes.	Check power connection/outlet; Ensure switch is fully engaged; Have brushes inspected/replaced.
Sanding belt slips or comes off.	Improper belt installation; Incorrect belt tracking adjustment.	Reinstall belt correctly; Adjust belt tracking knob.
Poor sanding performance.	Worn sanding belt; Incorrect grit for material; Insufficient pressure.	Replace sanding belt; Use appropriate grit; Apply even, moderate pressure.
Excessive vibration.	Damaged or improperly installed belt; Internal mechanical issue.	Check/replace belt; If problem persists, seek professional service.
Dust not collecting effectively.	Dust bag full; Clogged dust port; Dust bag not securely attached.	Empty dust bag; Clear dust port; Reattach dust bag firmly.

8. Specifications

Technical specifications for the Makita 9404J Belt Sander.

Feature	Detail
Model Number	9404J
Power Input	1010W / 10 Amps
Belt Size	100 x 610mm
Item Weight	4.8 kg (10.6 lbs)
Product Dimensions (L x W x H)	39.5 x 29.5 x 21.5 cm (15.6 x 11.6 x 8.5 inches)
Power Source	Corded Electric
UPC	088381640893
Included Accessory	Makpac Type 3 Carrying Case



Image 8.1: Top view of the Makita Makpac Type 3 carrying case, designed for tool storage and transport.



Image 8.2: Side view of the Makpac case, showing the Makita branding and the 9404J model number label.



Image 8.3: Another side view of the Makpac case, displaying product information including a barcode and serial number.

9. Warranty and Support

For specific warranty information regarding your Makita 9404J Belt Sander, please refer to the warranty card included with your purchase or visit the official Makita website. For technical support, service, or genuine replacement parts, contact Makita customer service or an authorized Makita service center.

You can find more information and contact details on the official Makita store page:Makita Store on Amazon.ca.

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