Makita 9911

Makita 9911 Belt Sander Instruction Manual

Model: 9911

1. Important Safety Instructions

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating this product.

- **Work Area Safety:** Keep your 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. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use dust masks, non-skid safety shoes, hard hats, or hearing protection for appropriate conditions. Dress properly. Do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts.
- **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.
- **Dust Collection:** Always connect dust extraction and collection facilities if provided. Dust can be hazardous.

2. Product Overview

The Makita 9911 Belt Sander is a powerful tool designed for efficient sanding of various materials. It features a robust 650W motor and variable speed control for optimal performance across different applications.



Figure 1: Makita 9911 Belt Sander with dust bag attached.

Key Features:

- **Belt Lock Lever:** Facilitates quick and easy abrasive belt changes.
- **Dust Extractor Connection:** Allows for connection to an external dust extraction system for a cleaner work environment.
- **Inverted Use Capability:** Can be securely anchored to a workbench using clamps for stationary sanding operations.
- **Variable Speed Control:** Adjust the belt speed from 75 to 270 m/min to match the material and application.
- **Electronic Switch:** Provides precise control over the tool's operation.

3. Technical Specifications

Specification	Value
Power Consumption	650 Watts
No-load Belt Speed	75 - 270 m/min
Abrasive Belt Dimensions	76 x 457 mm
Maximum Belt Width	76 mm
Cable Length	2.5 m
Weight (EPTA)	2.7 kg
Dimensions (L x W x H)	262 x 130 x 130 mm

Voltage	240 Volt

4. Setup

4.1 Attaching the Sanding Belt

1. Ensure the tool is unplugged from the power source.
2. Pull the belt lock lever (usually located on the side of the tool) to release tension on the sanding belt.
3. Slide the old sanding belt off the rollers, if applicable.
4. Place the new sanding belt onto the rollers, ensuring the arrow on the inside of the belt matches the direction of rotation arrow on the tool.
5. Push the belt lock lever back to tension the new belt.
6. Plug in the tool and briefly run it to check if the belt tracks correctly. Adjust the tracking knob (if present) to center the belt on the rollers.

4.2 Connecting to a Dust Extractor

For a cleaner work environment and to prolong the life of your sanding belts, it is recommended to use a dust extraction system.

- The Makita 9911 comes with a dust bag. Attach the dust bag securely to the dust port at the rear of the sander.
- Alternatively, you can connect a compatible vacuum cleaner or dust extractor hose to the dust port. Ensure a tight fit to maximize dust collection efficiency.

5. Operation

5.1 Powering On/Off

- To turn on the sander, press the trigger switch.
- To turn off the sander, release the trigger switch.
- For continuous operation, press the lock-on button while the trigger is depressed. To release, press the trigger again.

5.2 Variable Speed Control

The variable speed dial allows you to adjust the sanding belt speed according to the material and desired finish.

- Rotate the speed dial to select the desired belt speed. Lower speeds are suitable for delicate materials or fine finishing, while higher speeds are for aggressive material removal.
- Always test on a scrap piece of material to determine the optimal speed setting.

5.3 Using in Inverted Position (Bench-Mounted)

The Makita 9911 can be used as a stationary sander by mounting it upside down on a workbench.



Figure 2: Makita 9911 Belt Sander in operation.

1. Ensure the tool is unplugged.
2. Place the sander upside down on a stable workbench.
3. Securely fasten the sander to the workbench using appropriate clamps. Ensure the sander is stable and will not move during operation.
4. Plug in the tool. Use caution when operating in this configuration, keeping hands clear of the moving belt.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your Makita 9911 Belt Sander.

6.1 Cleaning

- Always unplug the tool before cleaning.
- Regularly clean the ventilation openings to prevent overheating. Use a soft brush or compressed air.
- Empty the dust bag frequently. If using an external dust extractor, ensure its filter is clean.
- Wipe down the tool's exterior with a damp cloth. Do not use harsh chemicals or solvents.

6.2 Carbon Brush Inspection/Replacement

The motor uses carbon brushes which are consumable parts. Inspect them periodically.

- When the carbon brushes wear down, the motor may spark excessively or lose power.
- Refer to the detailed service manual or contact an authorized Makita service center for carbon brush inspection and replacement.

7. Troubleshooting

Problem	Possible Cause & Solution

Tool does not start	◦ No power supply: Check power cord, outlet, and circuit breaker. ◦ Faulty switch: Contact a service center. ◦ Worn carbon brushes: Have brushes inspected and replaced.
Sanding belt slips or comes off	◦ Belt not properly tensioned: Ensure belt lock lever is fully engaged. ◦ Incorrect belt tracking: Adjust the belt tracking knob to center the belt. ◦ Worn rollers: Contact a service center for inspection.
Excessive sparking from motor	◦ Worn carbon brushes: Have brushes inspected and replaced by a qualified technician. ◦ Dirty commutator: Requires professional cleaning.
Poor dust collection	◦ Dust bag full: Empty the dust bag. ◦ Dust port clogged: Clear any blockages from the dust port and hose. ◦ Loose connection: Ensure dust bag or extractor hose is securely attached.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact an authorized Makita service center.

8. Warranty and Support

Makita products are manufactured under strict quality control standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Makita website for your region.

For technical assistance, spare parts, or service, please contact your local authorized Makita service center. You can find contact information on the official Makita website:

www.makita.com

Please have your model number (9911) and serial number ready when contacting support.

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