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Makita 1002BA

Makita 1002BA 4-3/8 Inch Curved Base Planer

INSTRUCTION MANUAL

Product Overview

The Makita 1002BA is a specialized 4-3/8 inch curved base planer designed for precision work on timber. This tool is ideal for creating arches, arcs, and working on scarfs in logs, commonly used by timber framers and log home builders. Its robust design ensures reliable performance for demanding tasks.



Image: Makita 1002BA 4-3/8 Inch Curved Base Planer, showing its teal body, black handles, and curved base.

Key features include a powerful 9.6 AMP motor delivering 15,000 RPM, a precision-machined base for notching logs at a 12-5/8 inch curved radius, and a large chip ejection chute for efficient debris removal. The planer features a large two-handed design with conveniently located front and rear grips for enhanced operator control and fine depth adjustment.

Setup

Before operating the Makita 1002BA planer, ensure all components are present and properly installed. The planer comes with a sharpening holder, blade gauge assembly, socket wrench, and planer blade.

Blade Installation and Adjustment:

1. **Safety First:** Always disconnect the planer from the power source before performing any assembly or adjustment.
2. **Inspect Blades:** Ensure the planer blades are sharp and free from damage.
3. **Install Blades:** Carefully install the planer blades into the cutter head. Use the provided blade gauge assembly to ensure correct blade projection.
4. **Secure Fasteners:** Tighten all cap screws securely to hold the blades in place. It is crucial to verify that these fasteners are adequately tightened to prevent blade failure during operation.
5. **Adjust Depth:** Use the large front grip to set the desired planing depth.

Operating Instructions

The Makita 1002BA is designed for specialized planing tasks, particularly on curved surfaces and for notching logs. Proper technique ensures efficient and safe operation.

General Operation:

- **Power Connection:** Connect the planer to a suitable 120V power outlet.
- **Grip:** Utilize the large two-handed design, holding the front and rear grips firmly for maximum control.
- **Starting the Planer:** Engage the power switch. The 9.6 AMP motor will quickly reach its operating speed of 15,000 RPM.
- **Planing Technique for Curved Surfaces:** Due to the curved base, the cutter head may not automatically contact the wood immediately. Practice on a scrap piece to develop the feel for engaging the cutter head with the workpiece. Apply steady pressure and guide the planer along the desired curve.
- **Adjusting Bevel Radius:** The planer's bevel base is factory-adjusted for notching logs at a 12-5/8 inch radius. It is also adjustable to an 11-13/16 inch bevel radius for various applications. Refer to the specific adjustment mechanism in the tool's diagram for precise settings.
- **Chip Ejection:** The large ejection chute efficiently discharges wood chips. Ensure the chute is clear during operation to prevent clogging.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Makita 1002BA planer.

- **Cleaning:** After each use, disconnect the power and clean the planer, especially the chip ejection chute, to remove sawdust and debris. Use compressed air if available.
- **Blade Inspection and Sharpening:** Regularly inspect blades for sharpness and damage. Dull or damaged blades can affect performance and safety. Use the provided sharpening holder to maintain blade edges or replace them as needed.
- **Fastener Check:** Periodically check all screws and fasteners, especially those securing the blades, to ensure they are tight. Loose fasteners can lead to operational issues and potential hazards.
- **Belt Inspection:** Inspect the drive belt for wear or damage. Replace if necessary. Ensure the belt housing is not bent or obstructing the belt's movement.

- **Storage:** Store the planer in a clean, dry place, away from moisture and extreme temperatures.

Troubleshooting

This section addresses common issues you might encounter with your Makita 1002BA planer.

Problem	Possible Cause	Solution
Reduced planing performance or rough finish	Dull or damaged blades	Sharpen or replace blades. Ensure blades are correctly installed and secured.
Planer not cutting or inconsistent depth	Incorrect depth setting; loose blades; improper technique for curved base	Adjust depth setting. Check and tighten blade fasteners. Practice engaging the cutter head on scrap material.
Excessive vibration or unusual noise	Loose blades; damaged belt; foreign object in cutter head; bent belt housing	Immediately disconnect power. Check blade fasteners. Inspect drive belt and belt housing for damage or obstruction. Remove any foreign objects.
Motor not starting or loss of power	Power supply issue; damaged power cord; internal fault	Check power connection and circuit breaker. Inspect power cord for damage. If issues persist, seek professional service.

Specifications

Brand	Makita
Model Number	1002BA
Amperage	9.6 Amps (Note: Some listings may incorrectly state 11 Amps)
Maximum Rotational Speed	15,000 RPM
Item Weight	Approximately 4 pounds
Product Dimensions	16.5 x 8.9 x 8.9 inches
Power Source	Corded Electric (120 Volts)
Base Material	Cast Iron
Included Components	Sharpening Holder, Blade Gauge Assembly, Socket Wrench, Planer Blade
UPC	088381007511

Warranty and Support

The Makita 1002BA planer comes with a**1-year limited warranty** from the date of purchase, covering defects in materials or workmanship. For warranty claims, technical assistance, or to locate an authorized service center, please contact Makita customer support or visit the official Makita website.
Makita Official Website: www.makitatools.com

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