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Makita M1901

User Manual

Makita M1901 Power Planer

Model: M1901 | Brand: Makita

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita M1901 Power Planer. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its lifespan. Keep this manual for future reference.
The Makita M1901 is an 82 mm power planer designed for efficient and precise wood planing tasks. It features an ergonomically designed handle with a rubberised soft grip for comfort and control, a foot on the base plate to prevent damage, and a V-groove for chamfer cutting.

Safety Instructions

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and dust masks. Ensure your work area is clean and well-lit. Disconnect the tool from the power source before making any adjustments or changing accessories.

- 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.
- Keep children and bystanders away while operating a power tool.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in.
- Use the correct power tool for your application.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool’s operation.

Setup

Before initial use, ensure all components are present and undamaged. The Makita M1901 comes with the planer unit, a sturdy metal fence (guide), an instruction manual, and a blade setting tool.



Image: The Makita M1901 Power Planer displayed with its included accessories, which typically include a parallel fence bracket and a blade setting tool.

Blade Installation and Adjustment

The planer blades are factory-set, but may require adjustment or replacement over time. Always disconnect the planer from the power supply before handling the blades. Use the provided blade setting tool to ensure correct blade height and alignment for optimal planing performance.

Connecting to Power

Ensure the power switch is in the OFF position before plugging the planer into a suitable power outlet. The Makita M1901 operates on standard mains voltage. If your unit came with a 2-pin European plug, use a suitable and safe EU to UK travel adapter. This tool is double insulated, meaning the earth pin on a UK plug would not be connected to the tool itself.

Operating Instructions

The Makita M1901 is designed for ease of use while providing powerful planing capabilities. Always ensure the workpiece is securely clamped before beginning operation.



Image: A clear view of the Makita M1901 Power Planer, highlighting its ergonomic design and main components.

Adjusting Planing Depth

The planing depth can be adjusted using the front knob. Rotate the knob to select the desired depth, typically up to 2mm per pass. For precise work, start with a shallow depth and make multiple passes.



Image: A close-up of the depth adjustment knob on the Makita M1901, showing the clear markings for precise depth control.

Chamfer Cutting

The base plate features a V-groove, allowing for easy and accurate chamfer cutting along edges. Guide the groove along the edge of the workpiece to create a consistent bevel.

Dust Management

The planer is equipped with a dust nozzle set. For cleaner operation and to prevent excessive sawdust accumulation, connect a dust bag (Makita part number 1227930, sold separately) or an industrial vacuum cleaner to the dust port. This will significantly reduce airborne dust and keep your workspace tidy.



Image: The Makita M1901 Power Planer actively planing a wooden board, demonstrating its operational use.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Makita M1901 Power Planer. Always disconnect the tool from the power supply before performing any maintenance.

Cleaning

After each use, clear all wood chips and dust from the planer, especially around the blade area, dust port, and ventilation openings. Use a brush or compressed air. Do not use solvents or abrasive cleaners.

Blade Care and Replacement

Inspect the blades regularly for sharpness and damage. Dull or chipped blades can lead to poor planing results and increased strain on the motor. Replace blades as a pair to maintain balance. Refer to the blade setting tool for proper installation.

General Inspection

Periodically check the power cord for damage. Ensure all screws and fasteners are tight. If any part is damaged or worn, have it repaired by a qualified service technician.

Troubleshooting

This section addresses common issues you might encounter with your power planer. For problems not listed here, contact a qualified service center.

Problem	Possible Cause	Solution
Planer does not start	No power supply; Faulty switch; Damaged cord	Check power connection; Ensure switch is fully engaged; Inspect cord for damage and replace if necessary.

Problem	Possible Cause	Solution
Poor planing finish (rough surface)	Dull or damaged blades; Incorrect blade installation; Too deep a cut	Replace blades; Reinstall blades correctly using setting tool; Reduce planing depth.
Excessive vibration or noise	Unbalanced blades; Loose components; Foreign object in blade area	Ensure blades are correctly installed and balanced; Check all fasteners; Clear any debris from the blade area.
Motor overheats	Overloading the tool; Blocked ventilation slots	Reduce load; Clear ventilation slots; Allow tool to cool down.

Specifications

Key technical specifications for the Makita M1901 Power Planer:

Model: M1901

Brand: Makita

Power Source: Corded Electric

Wattage: 500 watts

Planing Width: 82 mm

Max. Planing Depth: Up to 2 mm per pass

Dimensions (L x W x H): Approximately 33.5 x 18.5 x 19 cm

Item Weight: 2.7 kg

Material: Metal

Colour: Red/Black

Included Components: 82 mm Power Planer, Guide Rule, Blade Setting Tool

Warranty and Support

Warranty Information

The Makita M1901 Power Planer typically comes with a standard 1-year warranty. This can often be extended to a 3-year warranty by registering your product online with Makita within a specified period (e.g., within a week or two of purchase). Please refer to the warranty card included with your product or visit the official Makita website for the most current and detailed warranty terms and conditions.

Customer Support

For technical assistance, spare parts, or service inquiries, please contact Makita customer support. You can find contact information on the official Makita website or through your local authorised Makita dealer. When contacting support, please have your product model number (M1901) and serial number (if applicable) ready.

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