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Makita 1911B

Makita 1911B 110mm Electric Planer Instruction Manual

Model: 1911B | Brand: Makita

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita 1911B 110mm Electric Planer. Please read this manual thoroughly before using the tool and keep it for future reference.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury.

- **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. Do not overreach. Keep proper footing and balance at all times.
- **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.
- **Blade Safety:** Ensure blades are sharp and clean. Dull or improperly set blades can cause kickback. Always ensure the tool is unplugged before inspecting or changing blades.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking.

- Makita 1911B 110mm Electric Planer (Main Unit)
- Planer Blade (1 set, attached to main unit)
- +Flat Head Screw M5X13 (4 pcs)
- Box Wrench 9
- Blade Gauge
- Blade Sharpening Holder



Image: Makita 1911B 110mm Electric Planer with its standard accessories, including the planer blade, screws, box wrench, blade gauge, and blade sharpening holder.

4. SETUP

4.1 Blade Adjustment

The planer blades are not finely adjusted during manufacturing. It is crucial to check and adjust the blade protrusion before initial use to ensure optimal performance and safety.

1. Set the main dial on the planer to '0'.
2. Verify that the blade does not protrude from the base plate when the dial is at '0'. Use a straight edge or ruler to check. If the blade protrudes or is recessed, adjustment is necessary.
3. To adjust, use the provided box wrench to loosen the bolts securing the planer blade.
4. Remove the blade and its set plate.
5. Using a Phillips screwdriver, loosen the screws on the set plate to adjust the blade's protrusion.
6. Reinstall the blade and set plate, ensuring the blade is flush with the base plate when the dial is at '0'. Tighten the bolts securely.
7. Repeat the process for the blade on the opposite side (180 degrees rotation).



Image: Top view of the Makita 1911B Electric Planer, highlighting the blade adjustment dial. This dial controls the cutting depth.

Video: This video demonstrates the blade adjustment process for the planer. It shows how to set the dial to zero, check blade protrusion, loosen bolts, adjust the blade using a screwdriver, and re-secure the blade. The process is shown for both blades.

5. OPERATING INSTRUCTIONS

5.1 General Operation

The Makita 1911B is designed for planing wood surfaces. Its 110mm cutting width and smooth finish capabilities make it suitable for various woodworking tasks.

- **Power Connection:** Ensure the tool is connected to a single-phase 100V power supply.
- **Depth Adjustment:** Use the main dial to set the desired cutting depth. The maximum cutting depth is 2mm.
- **Starting the Tool:** Hold the planer firmly with both hands. Press the trigger to start the motor. Allow the motor to reach full speed before contacting the workpiece.
- **Planing Technique:** Apply even pressure and move the planer smoothly across the workpiece. Avoid tilting the tool, which can cause uneven cuts.
- **Stopping the Tool:** Release the trigger to stop the motor. Wait for the blades to stop rotating completely before setting the tool down.



Image: A user operating the Makita 1911B 110mm Electric Planer on a wooden beam, demonstrating proper handling during planing.

6. MAINTENANCE

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

- **Cleaning:** After each use, disconnect the power and clean the tool thoroughly. Remove all wood chips and dust from the blade area, motor vents, and base plate.
- **Blade Sharpening/Replacement:** The planer uses grindable blades. When blades become dull, they can be sharpened using the provided blade sharpening holder. If blades are damaged or excessively worn, replace them with genuine Makita replacement blades. Refer to the blade adjustment section for removal and installation.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage. Do not use the tool if the cord is frayed or cut.
- **Storage:** Store the planer in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your Makita 1911B planer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Planer does not start	No power supply; Damaged cord; Faulty switch	Check power connection; Inspect cord for damage; Contact service center if switch is faulty.
Poor planing finish (rough, uneven)	Dull or damaged blades; Incorrect blade adjustment; Too deep a cut	Sharpen or replace blades; Re-adjust blade protrusion (refer to Setup); Reduce cutting depth.
Excessive vibration or noise	Loose blades; Unbalanced blades; Damaged motor bearings	Ensure blades are securely tightened; Check blades for damage; Contact service center.
Motor overheating	Overloading the tool; Blocked ventilation slots	Reduce load; Clear ventilation slots; Allow tool to cool down.

8. SPECIFICATIONS

Technical details for the Makita 1911B 110mm Electric Planer.

- **Model:** 1911B
- **Brand:** Makita
- **Cutting Width:** 110 mm
- **Maximum Cutting Depth:** 2 mm
- **Rotations (No Load Speed):** 16,000 rotations/min
- **Voltage:** Single-phase 100V
- **Cord Length:** 5 m
- **Dimensions (Length x Width x Height):** 355 x 175 x 175 mm
- **Weight:** 4.2 kg



Image: Side view of the Makita 1911B 110mm Electric Planer, showcasing its compact design and handle for easy maneuverability.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your authorized Makita dealer or visit the official

Makita website. Keep your purchase receipt as proof of purchase for warranty claims.



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