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Makita LS0714BN

Makita LS0714BN 190mm Mitre Saw

Instruction Manual

1. Introduction

Thank you for choosing the Makita LS0714BN 190mm Mitre Saw. This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use to ensure proper handling and to prevent injury or damage.



Image 1.1: The Makita LS0714BN 190mm Mitre Saw, showing its main components including the blade, guard, handle, and base.

2. Safety Information

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

General Safety Rules

- **Work Area Safety:** Keep the 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 abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the saw. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves 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.

3. Components and Parts

Familiarize yourself with the main components of your Makita LS0714BN Mitre Saw:

- **Blade:** The cutting component, typically 190mm in diameter.
- **Blade Guard:** A protective cover that retracts during cutting and covers the blade when not in use.
- **Handle:** Ergonomically designed for comfortable and secure grip during operation.
- **Base/Table:** Provides a stable surface for the workpiece and allows for angle adjustments.
- **Dust Bag/Port:** Collects sawdust during operation or connects to a dust extraction system.
- **Miter Scale:** Indicates the angle of the cut.
- **Bevel Adjustment:** Allows for tilting the blade for angled cuts.

4. Setup

Before operating the saw, ensure it is properly set up and secured.

Unpacking and Inspection

1. Carefully remove the saw and all accessories from the packaging.
2. Inspect the saw for any damage that may have occurred during shipping. Do not operate a damaged tool.
3. Verify that all listed components are present.

Mounting the Saw

For stable and safe operation, it is recommended to mount the mitre saw to a workbench or a dedicated mitre saw stand.

- Use appropriate bolts and nuts to secure the saw through the mounting holes in its base.
- Ensure the mounting surface is level and sturdy enough to support the saw and the workpiece.

Blade Installation (if not pre-installed)

Refer to the specific instructions for blade installation provided in the separate blade manual or on the blade packaging. Always ensure the saw is unplugged before changing blades.

5. Operating Instructions

Follow these steps for safe and effective operation of your mitre saw.

Basic Cutting Operation

1. **Prepare the Workpiece:** Ensure the material is free of nails, screws, or other foreign objects. Mark your cut line clearly.
2. **Position the Workpiece:** Place the workpiece firmly against the fence and the saw table. Use clamps to secure small or unstable pieces.
3. **Adjust Angles:** For miter cuts, adjust the turntable to the desired angle. For bevel cuts, tilt the saw head to the desired angle. Ensure all locking levers are tightened.
4. **Start the Saw:** With the blade clear of the workpiece, press the trigger to start the motor. Allow the blade to reach full speed before cutting.
5. **Make the Cut:** Slowly and steadily lower the saw blade through the workpiece. Do not force the cut. Maintain a firm grip on the handle.
6. **Complete the Cut:** Once the cut is complete, release the trigger and allow the blade to stop completely before

raising the saw head.

7. **Remove Workpiece:** Only remove the cut piece after the blade has come to a complete stop.

Dust Collection

The saw is equipped with a dust bag or a port for connecting to a dust extraction system. Regularly empty the dust bag or ensure your dust extractor is functioning correctly to maintain a clean work environment and optimal saw performance.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your mitre saw.

Cleaning

- Always unplug the saw before cleaning.
- Use a brush or compressed air to remove sawdust and debris from the motor vents, blade guard, and table.
- Do not use solvents or harsh chemicals, as they may damage plastic parts.

Blade Care and Replacement

- Inspect the blade regularly for sharpness, cracks, or missing teeth. A dull or damaged blade can cause kickback and poor cuts.
- Replace worn or damaged blades immediately with a blade of the correct size and type (190mm diameter).
- Always follow the manufacturer's instructions for blade replacement, ensuring the saw is unplugged and the blade is installed with the correct rotation direction.

Carbon Brushes

The motor uses carbon brushes. These wear down over time and should be inspected and replaced periodically by a qualified service technician to maintain motor performance.

7. Troubleshooting

This section addresses common issues you might encounter with your mitre saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply Faulty switch Worn carbon brushes	Check power cord and outlet Contact qualified service technician Have brushes inspected/replaced
Poor cut quality / Blade binding	Dull or damaged blade Improper blade installation Workpiece not secured	Replace blade Reinstall blade correctly Secure workpiece with clamps
Excessive vibration	Loose blade Damaged blade Loose mounting bolts	Tighten blade arbor nut Replace blade Tighten mounting bolts
Motor overheating	Blocked ventilation slots Overloading the saw Worn carbon brushes	Clean ventilation slots Reduce cutting pressure; use sharper blade Have brushes inspected/replaced

8. Specifications

Technical specifications for the Makita LS0714BN 190mm Mitre Saw:

- **Model:** LS0714BN
- **Power Source:** Corded Electric
- **Voltage:** 230 Volts
- **Wattage:** 1010 watts
- **Blade Material:** High Speed Steel
- **Blade Diameter:** 190mm (7-1/2")
- **Number of Teeth:** 24
- **Special Feature:** Brushless
- **Item Weight:** 12.5 Kilograms (27.5 pounds)
- **Product Dimensions:** 23.62 x 16.93 x 18.03 inches
- **Included Components:** Bare Tool
- **Handle Material:** Metal

9. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official Makita website. Warranty terms and conditions may vary by region.
If you require technical assistance, spare parts, or service, please contact Makita customer support or an authorized Makita service center. Always provide the model number (LS0714BN) and serial number (if applicable) when seeking support.
Makita Official Website: www.makitatools.com

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