Makita LS1019L

Makita LS1019L 10-inch Dual-Bevel Sliding Compound Miter Saw Instruction Manual

Model: LS1019L

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita LS1019L 10-inch Dual-Bevel Sliding Compound Miter Saw. Please read and understand all instructions before using the tool.



Figure 1: Makita LS1019L Miter Saw Overview

2. Safety Information

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

General Power Tool Safety

- Always wear eye protection, hearing protection, and a dust mask.
- 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.
- Ensure the power tool plug matches the outlet. Never modify the plug.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.

- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool.
- Always disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Miter Saw Specific Safety

- Always use the blade guard and ensure it is functioning correctly.
- Secure the workpiece firmly with clamps or a vise before cutting. Do not hold small pieces by hand.
- Ensure the blade is sharp and suitable for the material being cut.
- Never reach into the blade area when the saw is connected to power.
- Allow the blade to reach full speed before beginning a cut.
- Maintain a firm grip on the handle during operation.
- Be aware of the laser line. Do not stare directly into the laser beam.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

3. Setup and Assembly

Unpacking and Inspection

Carefully remove the miter saw and all accessories from the packaging. Inspect for any damage that may have occurred during shipping. Ensure all components listed below are present.



Figure 2: Miter Saw and Included Components

Included Components

Your Makita LS1019L miter saw typically includes the following items:

- 10" x 5/8" 60T Micro-Polished Miter Saw Blade
- Dust Bag
- Hex Wrench 6 (Part No. 781044-6)
- Triangular Rule (Part No. 762001-3)
- Vertical Vise (Part No. 122854-6)

Blade Installation

1. Ensure the saw is unplugged from the power source.
2. Refer to the saw's specific instructions for removing the blade cover and arbor nut.
3. Place the 10-inch blade onto the arbor, ensuring the teeth are oriented correctly for cutting.
4. Reinstall the arbor nut and blade cover securely.

Dust Bag Attachment

Attach the included dust bag to the dust port on the saw. Ensure it is securely fastened to optimize dust collection during operation.

Adjusting Fences and Angles

Before operation, verify that the fences are properly aligned and secured. Adjust miter and bevel angles as needed for your specific cuts. The saw features a dual-bevel system for flexibility.

Laser Calibration

The integrated laser assists in precise cutting. Consult the detailed instructions in the full manual for calibrating the laser to ensure it accurately indicates the cut line.

4. Operating Instructions

Powering On/Off

Connect the saw to a 120V power outlet. The 15 amp direct drive motor features a soft start for smooth power-ups. To start, depress the trigger switch. Release the switch to engage the electric brake and stop the blade quickly.

Making Miter Cuts

Adjust the miter table to the desired angle (up to 60 degrees right and 47 degrees left). Secure the workpiece against the fence and table using the vertical vise. Lower the blade slowly through the material.

Making Bevel Cuts

Unlock the bevel adjustment and tilt the saw head to the required angle (up to 45 degrees left or right). Lock the bevel angle securely before making the cut.

Making Compound Cuts

For compound cuts, set both the miter and bevel angles simultaneously. Ensure the workpiece is stable and properly supported.

Using the Sliding Function

The unique 2-steel rail sliding system allows for increased cutting capacity. For wider materials, pull the saw head forward, start the cut, and push the saw head back through the workpiece. This enables cutting of materials like 4x4 dimensional lumber in one pass and crown molding up to 6-5/8 inches (nested).



Figure 3: Operating the Miter Saw for a Straight Cut

Using the Laser Guide

Activate the laser guide to project a line onto your workpiece, indicating the precise path of the blade. This aids in accurate alignment before cutting.



Figure 4: Cutting Crown Molding with the Miter Saw

5. Maintenance

Cleaning and Dust Collection

- Regularly empty the dust bag to maintain effective dust collection.
- Use a brush or compressed air to clean sawdust and debris from the motor vents, blade guard, and sliding rails.
- Ensure all moving parts are free from obstruction.

Blade Inspection and Replacement

- Inspect the blade regularly for sharpness, cracks, or missing teeth. A dull or damaged blade can cause kickback and inaccurate cuts.
- Replace worn blades with a new 10-inch blade suitable for your application.

General Inspection

- Check all screws and fasteners for tightness.
- Inspect the power cord for damage.
- Ensure the blade guard operates smoothly and returns to its closed position.

6. Troubleshooting

Problem	Possible Cause	Solution
Inaccurate or rough cuts	Dull or damaged blade; improper blade/rail alignment; loose fence; workpiece not secured.	Replace blade; check and adjust fence alignment; ensure workpiece is clamped; if blade/rail alignment is suspected, contact service.
Laser line is dim or invisible	Bright ambient light; dirty laser lens; laser malfunction.	Reduce ambient light if possible; clean laser lens; if problem persists, contact service.
Saw does not start	No power to outlet; damaged power cord; faulty switch.	Check power supply and circuit breaker; inspect power cord for damage; contact service if cord or switch is faulty.
Excessive dust	Full dust bag; clogged dust port.	Empty dust bag; clear any blockages from the dust port.

For issues not listed or if solutions do not resolve the problem, contact a qualified service technician or Makita customer support.

7. Specifications

Feature	Specification
Brand	Makita
Model Number	LS1019L
Power Source	Corded Electric
Voltage	120 Volts
Amperage	15 Amps
Blade Diameter	10 Inches
No Load Speed	3200 RPM
Item Weight	72.8 Pounds
Product Dimensions (L x W x H)	31.75" x 25.38" x 26"
Blade Material	Tungsten Carbide

Feature	Specification
Special Features	Brake, Laser Guide, Dual-Bevel, Sliding Function
Included Components	10" x 5/8" 60T Micro-Polished Miter Saw Blade, Dust Bag, Hex Wrench 6, Triangular Rule, Vertical Vise

8. Warranty and Support

Warranty Information

The Makita LS1019L Miter Saw comes with a Limited Warranty. Please refer to the warranty card included with your product or visit the official Makita website for detailed terms and conditions regarding coverage, duration, and claims procedures.

Customer Support

For technical assistance, parts, or service, please contact Makita customer support. Have your model number (LS1019L) and serial number ready when contacting support.

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