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Makita LS1219L

Makita LS1219L 12" Dual-Bevel Sliding Compound Miter Saw with Laser User Manual

Model: LS1219L | Brand: Makita

Introduction

The Makita 12" Dual-Bevel Sliding Compound Miter Saw with Laser (model LS1219L) is engineered for precision and efficiency in cutting applications. This saw features a unique 2-steel rail sliding system that allows for a compact footprint, enabling operation flush against a wall. It offers increased vertical cutting capacity for baseboard (6-3/4") and crown molding (8" nested), and can make 15" crosscuts at 90 degrees. The saw miters 0° to 60° left and right, with positive stops at common angles. Powered by a 15 amp direct drive motor with soft start, it provides consistent power without belts to slip or replace. Additional features include an electric brake, electronic speed control, a high-quality 60T carbide-tipped blade, a see-through blade guard for visibility, and a built-in laser for accurate line-of-cut indication. Dual dust collection ports enhance cleanliness, and a large aluminum base improves cutting stability.



Figure 1: The Makita LS1219L miter saw, showcasing its overall design and key components.

Setup

Before operating your Makita LS1219L miter saw, proper setup is crucial for safety and optimal performance. Upon unboxing, ensure all components listed in the packaging are present. Initial assembly is straightforward, typically requiring only a few minutes. Following assembly, it is recommended to perform initial calibration and adjustments to ensure cutting accuracy. This includes checking and adjusting tolerances for the fences, blade squareness, and bevel angles. A digital level and an accurate square can assist in this process.

- **Unpacking and Inspection:** Carefully remove the saw from its packaging. Inspect for any shipping damage.
- **Assembly:** Attach any components that are not pre-assembled, such as the dust bag or material supports, following the instructions provided in the full user guide.
- **Initial Calibration:**

- Verify the alignment of the saw fences.
- Check the blade's squareness to the fences across its full sliding range.
- Adjust the zero-degree bevel if necessary. The adjustment mechanism is typically accessible and requires a standard hex wrench.
- Ensure the table is flat and stable.

- **Workstation Setup:** Due to the saw's weight (approximately 81.6 lbs), using a sturdy miter saw stand is highly recommended, especially if the saw will be frequently moved or transported. The unique 2-steel rail sliding system allows the saw to be placed flush against a wall, optimizing workspace.



Figure 2: The innovative 2-steel rail sliding system allows for a compact setup, enabling the saw to operate flush against a wall.

Operating Instructions

The Makita LS1219L is designed for versatile and precise cutting. Familiarize yourself with its controls and features before beginning any cutting operation.

- **Power Source:** This model is corded, operating on 120 Volts. It features a 15 Amp direct drive motor with soft start for smooth operation and consistent power.
- **Dual-Bevel Functionality:** The saw allows for bevel cuts from 0° to 48° both left and right. The bevel lock is conveniently located at the front of the saw for easy access and quick adjustments.
- **Miter Angles:** The miter base can be adjusted from 0° to 60° left and right, with positive stops at 0°, 15°, 22.5°, 31.6°, 45°, and 60° for common cutting angles.
- **Laser Guide:** The built-in laser indicates the exact line-of-cut, enhancing accuracy. It can be micro-adjusted to indicate either the left or right side of the blade.
- **Sliding Mechanism:** The unique 2-steel rail sliding system provides smooth and stable sliding action, allowing for increased crosscut capacity up to 15 inches at 90 degrees.
- **Material Handling:** Ensure the workpiece is securely clamped using the vertical vise (included) to prevent movement during cutting. The large aluminum base provides stable support for various stock sizes.
- **Safety Features:** Always wear appropriate personal protective equipment (PPE), including eye protection. The see-through blade guard system offers greater visibility of the blade and line-of-cut while providing protection. The electric brake provides added safety by quickly stopping the blade.



Figure 3: The easily accessible in-front bevel lock for quick angle adjustments.



Figure 4: The clear miter scale with common positive stops for precise angle selection.

Maintenance

Regular maintenance ensures the longevity and continued accuracy of your Makita LS1219L miter saw.

- **Cleaning:** After each use, clear sawdust and debris from the saw, especially around the blade, guard, and sliding rails. The dual dust collection ports help manage sawdust during operation, but manual cleaning is still necessary.
- **Blade Inspection and Replacement:** Regularly inspect the 12" x 1" 60T Micro-Polished Miter Saw Blade for sharpness and damage. A dull or damaged blade can lead to poor cut quality and increased strain on the motor. Replace the blade as needed using the provided hex wrench.
- **Lubrication:** Periodically lubricate the sliding rails to ensure smooth operation. Refer to the full user guide for recommended lubricants and frequency.
- **Tolerance Checks:** Periodically re-check the saw's tolerances, including fence alignment, blade squareness, and bevel accuracy, especially after heavy use or transport. Adjustments can be made as described in the setup section.



Figure 5: The dual dust collection ports effectively capture sawdust, but regular cleaning is still important.

Troubleshooting

This section addresses common issues you might encounter with your Makita LS1219L miter saw.

Problem	Possible Cause	Solution
Saw not powering on	No power supply; tripped circuit breaker; damaged cord.	Check power outlet and circuit breaker. Inspect power cord for damage.
Inaccurate cuts	Misaligned fences; dull blade; miscalibrated miter/bevel stops; rail misalignment.	Calibrate fences and stops. Replace dull blade. Check and adjust rail alignment (refer to specialized guides if needed).
Excessive sawdust	Dust bag full or improperly attached; vacuum not connected or clogged.	Empty dust bag. Ensure proper connection to dust collection system. Clear any clogs.

Problem	Possible Cause	Solution
Blade not sliding smoothly	Debris on rails; lack of lubrication.	Clean rails thoroughly. Apply appropriate lubricant.

Specifications

Feature	Detail
Brand	Makita
Model Number	LS1219L
Power Source	Corded Electric
Voltage	120 Volts
Current Rating	15 Amps
Wattage	1800 watts
Blade Diameter	12 Inches
No Load Speed	3200 RPM
Cutting Angle	90 Degrees (Crosscut)
Product Dimensions	34"L x 22"W x 21"H
Item Weight	81.6 Pounds
Special Features	Brake, Laser Guide, Dual Dust Collection Ports, Direct Drive Motor, Soft Start
Included Components	12" x 1" 60T Micro-Polished Miter Saw Blade, Bag, Hex Wrench (781044-6), Triangular Rule (762001-3), Vertical Vise (126617-2)

Warranty and Support

The Makita LS1219L Miter Saw comes with a **1-year limited warranty**. For detailed warranty information, service, or additional support, please refer to the official Makita resources.

- **Official User Manuals:**
  - User Manual (PDF)
  - User Guide (PDF)
- **Makita Brand Store:** For more products, accessories, and support information, visit the official Makita Brand Store: Makita Store on Amazon.
- **Customer Support:** For direct assistance, contact Makita customer support through their official website or the contact information provided in the included documentation.

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