

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [Makita](#) /

› Makita LS1040F 10-inch Compound Miter Saw User Manual

Makita LS1040F

Makita LS1040F 10-inch Compound Miter Saw User Manual

Model: LS1040F

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your Makita LS1040F 10-inch Compound Miter Saw. Please read this manual thoroughly before using the tool to ensure proper and safe operation.

The Makita LS1040F is a powerful 10-inch compound miter saw designed for precise cutting operations. It features a 15.0 AMP motor, a dual post compound pivoting arm, and a built-in fluorescent light to illuminate the cutting area. This saw is capable of bevel cuts up to 45 degrees to the left and miter cuts from 0 to 45 degrees left, and 0 to 52 degrees right, with nine positive stops for common angles.



Image 1.1: The Makita LS1040F 10-inch Compound Miter Saw, showing its main components including the blade guard, motor housing, handle, fluorescent light, miter table, and dust bag.

2. SAFETY INFORMATION

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

General Power Tool Safety Warnings:

- **Work Area Safety:** 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating power tools. Dress properly. Do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts.
- **Power 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 and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Miter Saw Specific Safety:**
 - Always keep hands away from the cutting area.
 - Ensure the blade is sharp and correctly installed.
 - Secure the workpiece firmly before cutting.
 - Allow the blade to reach full speed before beginning a cut.

- Never reach into the blade area until the blade has completely stopped.

3. PACKAGE CONTENTS

Upon unpacking, ensure all items listed below are present and undamaged. If any parts are missing or damaged, contact your dealer immediately.

- Makita LS1040F 10-inch Compound Miter Saw
- Carbide-tipped Saw Blade (10-inch)
- Dust Bag
- Socket Wrench
- Triangular Rule
- Instruction Manual

4. SPECIFICATIONS

Feature	Specification
Model Number	LS1040F
Power Source	Corded Electric
Voltage	220 Volts
Amperage	15.0 AMP
No-Load Speed	4,600 RPM
Blade Diameter	10 Inches
Cutting Angle (Miter)	0°-45° Left, 0°-52° Right
Cutting Angle (Bevel)	Up to 45° Left
Item Weight	27.8 pounds (approx. 12.6 kg)
Product Dimensions	23.5 x 14.25 x 15.5 inches
Blade Material	High Speed Steel (Carbide-tipped)
Handle Material	Alloy Steel
Wattage	1650

5. SETUP

5.1 Unpacking and Inspection

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

5.2 Mounting the Saw

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

1. Position the saw on a stable, level surface.
2. Locate the mounting holes in the saw's base.
3. Use appropriate bolts, washers, and nuts (not included) to securely fasten the saw to the workbench or stand. Ensure the saw cannot move during operation.

5.3 Blade Installation (if not pre-installed)

WARNING: Always disconnect the saw from the power source before installing or changing the blade.

1. Lift the lower blade guard and press the shaft lock button to secure the arbor.
2. Using the provided socket wrench, loosen and remove the arbor bolt and outer flange.
3. Place the new 10-inch carbide-tipped blade onto the arbor, ensuring the teeth are pointing downwards towards the front of the saw.
4. Reinstall the outer flange and arbor bolt. Tighten the arbor bolt securely with the socket wrench while holding the shaft lock button.
5. Release the shaft lock button and check that the blade rotates freely.

5.4 Dust Bag Attachment

Attach the dust bag to the dust port located at the rear of the blade guard assembly. This helps collect sawdust and maintain a cleaner work environment.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To turn the saw ON, depress the trigger switch on the handle.
- To turn the saw OFF, release the trigger switch.

6.2 Adjusting Miter Angle

The miter saw allows for angle cuts from 0° to 45° left and 0° to 52° right.

1. Loosen the miter angle lock handle located at the front of the saw base.
2. Rotate the turntable to the desired miter angle, aligning the indicator with the scale. Positive stops are provided at 0°, 15°, 22.5°, 30°, and 45° (left or right).
3. Tighten the miter angle lock handle firmly to secure the turntable in position.

6.3 Adjusting Bevel Angle

The saw can bevel cut up to 45° to the left.

1. Loosen the bevel lock lever, typically located at the rear of the saw.
2. Tilt the saw head to the desired bevel angle, aligning the indicator with the bevel scale.
3. Tighten the bevel lock lever securely.

6.4 Using the Fluorescent Light

The LS1040F is equipped with a flexible fluorescent light to illuminate the cutting area.

- Locate the light switch, usually near the light fixture.
- Turn the light ON to improve visibility during cutting, especially in dimly lit conditions.
- Adjust the flexible arm to direct the light precisely onto your workpiece.

6.5 Cutting Procedure

CAUTION: Always wear appropriate personal protective equipment (PPE), including eye protection and hearing protection.

1. **Prepare Workpiece:** Place the workpiece firmly against the fence and the miter table. Use clamps if necessary to prevent movement during the cut.
2. **Position Saw:** Ensure the blade is clear of the workpiece before starting the motor.
3. **Start Cut:** Depress the trigger switch and allow the blade to reach full speed.
4. **Lower Blade:** Slowly and smoothly lower the saw head through the workpiece. Do not force the cut.
5. **Complete Cut:** Once the cut is complete, release the trigger switch and allow the blade to stop completely before raising the saw head.
6. **Remove Workpiece:** Only remove the workpiece after the blade has come to a complete stop and the saw head is fully raised.

7. MAINTENANCE

WARNING: Disconnect the saw from the power source before performing any maintenance or cleaning.

7.1 Cleaning

- Regularly clean sawdust and debris from the saw, especially around the blade guard, motor vents, and miter table. Use a brush or compressed air.
- Empty the dust bag frequently to maintain efficient dust collection.
- Do not use solvents or harsh chemicals, as they may damage plastic parts.

7.2 Blade Care and Replacement

- Keep the saw blade sharp and clean. A dull blade can cause kickback and reduce cutting efficiency.
- Replace worn or damaged blades immediately. Refer to Section 5.3 for blade installation instructions.
- Always use 10-inch blades designed for miter saws and appropriate for the material being cut.

7.3 Carbon Brushes

The motor uses carbon brushes which are consumable parts. Inspect them periodically and replace them when they reach their wear limit. Refer to the detailed instructions in the full manual for brush replacement procedures, or consult a qualified service technician.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your miter saw. For more complex problems, contact a qualified service center.

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Worn carbon brushes	Check power connection; Test outlet; Replace switch; Inspect/replace carbon brushes
Blade not cutting smoothly or burning wood	Dull blade; Incorrect blade for material; Blade installed backward	Replace or sharpen blade; Use appropriate blade; Reinstall blade correctly
Excessive vibration	Loose blade; Damaged blade; Saw not securely mounted	Tighten blade arbor bolt; Replace blade; Securely mount saw
Inaccurate cuts	Miter/bevel angle not locked; Fence not aligned; Saw not calibrated	Ensure locks are tight; Check fence alignment; Calibrate saw as per full manual

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your Makita LS1040F 10-inch Compound Miter Saw is covered by a **1 Year Parts & Labor** limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, alteration, or unauthorized repair.

Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, service, or to locate an authorized service center, please visit the official Makita website or contact their customer service department.

Official Makita Website: www.makitatools.com