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WEN MM1214T

Instruction Manual

WEN MM1214T 15-Amp 12-Inch Dual Bevel Sliding Compound Miter Saw with Laser

Model: MM1214T

1. Important Safety Information

Always read and understand this entire instruction manual before operating the WEN MM1214T Miter Saw. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- **Wear Eye Protection:** Always wear ANSI Z87.1 approved safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Use earplugs or earmuffs during operation.
- **Wear Respiratory Protection:** Wear a dust mask, especially when cutting materials that produce fine dust.
- **Unplug Before Adjustments:** Always disconnect the saw from the power source before making any adjustments, changing accessories, or performing maintenance.
- **Secure Workpiece:** Always clamp the workpiece firmly to the fence and table. Do not attempt to hold the workpiece by hand.
- **Keep Hands Clear:** Keep hands and fingers away from the blade area.
- **Proper Support:** Ensure the workpiece is properly supported throughout the cut.
- **Maintain Sharp Blade:** Use only sharp, clean blades. Dull blades can cause kickback and overheating.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Use in Well-Lit Area:** Operate the saw in a well-lit work area.
- **Keep Guards in Place:** Ensure all guards are properly installed and functioning before operation.

2. Product Overview

The WEN MM1214T is a powerful 15-Amp 12-inch dual bevel sliding compound miter saw designed for precise cuts in various wood materials. It features a laser guide and LED work light for enhanced accuracy and visibility.

Included Components:

- 12-inch 60-tooth carbide-tipped blade (with 1-inch arbor)
- 2 retractable table extensions with work stops
- 1 clamp assembly
- Class II laser guide (integrated)
- LED work light (integrated)

- Dust bag

Product Views:



Figure 2.1: Front view of the WEN MM1214T Miter Saw, showcasing the blade, motor, and main table assembly.



Figure 2.2: Side view of the WEN MM1214T Miter Saw, highlighting the sliding rails and extended table.



Figure 2.3: Rear view of the WEN MM1214T Miter Saw, showing the motor housing and attached dust collection bag.



Figure 2.4: Close-up of the miter scale on the WEN MM1214T, indicating angle markings and detents for precise adjustments.



Figure 2.5: Close-up of the retractable table extensions with work stops, providing additional support for longer workpieces.

3. Setup

3.1 Unpacking and Inspection

Carefully remove all contents from the packaging. Inspect the saw for any damage that may have occurred during shipping. Do not operate the saw if any parts are damaged or missing. Contact WEN customer support for assistance.

3.2 Mounting the Miter Saw

For stable and safe operation, it is highly recommended to mount the miter saw to a workbench or a dedicated miter saw stand. Use appropriate bolts and washers (not included) through the mounting holes in the saw's base.

3.3 Blade Installation (if not pre-installed)

1. **Disconnect Power:** Ensure the saw is unplugged from the power outlet.
2. **Raise Blade Guard:** Lift the lower blade guard.
3. **Loosen Arbor Nut:** Use the provided wrench to loosen the arbor nut while holding the arbor lock button.
4. **Install Blade:** Place the 12-inch 60-tooth carbide-tipped blade onto the arbor, ensuring the teeth are pointing downwards towards the front of the saw.
5. **Tighten Arbor Nut:** Securely tighten the arbor nut, again using the arbor lock button.
6. **Lower Blade Guard:** Ensure the blade guard moves freely.

3.4 Attaching Table Extensions and Clamp Assembly

- Slide the retractable table extensions into the designated slots on either side of the saw table. Tighten the locking knobs to secure them.
- Insert the clamp assembly into the hole on the saw table. Adjust its position to firmly hold the workpiece during cuts.

3.5 Dust Bag Attachment

Attach the included dust bag to the dust collection port located at the rear of the saw. Ensure it is securely fastened to collect sawdust during operation. Alternatively, connect a shop vacuum or dust collection system to the port for more efficient dust removal.

4. Operating Instructions

4.1 Powering On/Off

Plug the saw into a standard 120V AC outlet. To turn the saw ON, press the trigger switch. To turn it OFF, release the trigger switch.

4.2 Adjusting Miter Angle

The saw can miter up to 45° in either direction. To adjust the miter angle:

1. Loosen the miter lock handle.
2. Press the miter detent override button (if moving between detent stops) and rotate the turntable to the desired angle on the miter scale.
3. The saw features 9 miter stops: 0°, 15°, 22.5°, 30°, and 45° to the left and right.
4. Tighten the miter lock handle to secure the angle.

4.3 Adjusting Bevel Angle

The saw can bevel up to 45° in either direction. To adjust the bevel angle:

1. Loosen the bevel lock knob located at the front of the saw.
2. Tilt the saw head to the desired angle on the bevel scale.
3. Tighten the bevel lock knob to secure the angle.

4.4 Using the Sliding Function

For wider workpieces, unlock the sliding mechanism (if locked) and pull the saw head forward. Push the saw head back through the workpiece during the cut. Ensure the sliding rails are clean and free of debris for smooth operation.

4.5 Laser Guide and LED Work Light

The integrated Class II laser guide projects a line onto the workpiece, indicating the exact cutting path for maximum accuracy. The LED work light illuminates the work area for improved visibility. Both features are typically activated when the saw is powered on or via a separate switch (refer to your specific model's controls).

4.6 Making a Cut

1. **Prepare Workpiece:** Mark your cut line on the workpiece.
2. **Position Workpiece:** Place the workpiece firmly against the fence and on the saw table.
3. **Clamp Workpiece:** Secure the workpiece with the clamp assembly.
4. **Adjust Saw:** Set the desired miter and/or bevel angle.
5. **Start Saw:** Press the trigger switch to start the motor and allow the blade to reach full speed.
6. **Make Cut:** Slowly and steadily lower the saw head through the workpiece. For sliding cuts, push the saw head back through the material.
7. **Release Trigger:** Once the cut is complete, release the trigger switch and allow the blade to stop completely before raising the saw head.
8. **Remove Workpiece:** Carefully remove the cut workpiece and any off-cuts.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your miter saw. Always unplug the saw before performing any maintenance.

5.1 Cleaning

- After each use, empty the dust bag.
- Use a brush or compressed air to remove sawdust and debris from the motor vents, blade guard, and table area.
- Keep the sliding rails clean and free of dust for smooth operation.

5.2 Blade Care and Replacement

- Inspect the blade regularly for dullness, cracks, or missing teeth. Replace damaged blades immediately.
- Refer to Section 3.3 for blade installation instructions when replacing the blade.
- Use only 12-inch blades with a 1-inch arbor hole, rated for the saw's RPM.

5.3 General Inspection

- Check all nuts, bolts, and screws for tightness. Tighten any loose fasteners.
- Inspect the power cord for damage. Do not use the saw if the cord is frayed or cut.
- Ensure all moving parts operate smoothly.

6. Troubleshooting

Problem	Possible Cause	Solution
Saw does not start.	No power supply; Faulty switch; Motor overload.	Check power connection and circuit breaker; Contact qualified service personnel; Allow motor to cool down.
Inaccurate cuts.	Blade dull or damaged; Miter/bevel settings incorrect; Workpiece not clamped securely; Fence not aligned.	Replace blade; Re-adjust miter/bevel angles; Clamp workpiece firmly; Check and adjust fence alignment.
Excessive dust.	Dust bag full or improperly attached; Dust port clogged.	Empty and reattach dust bag; Clear any obstructions from the dust port.
Blade binds or smokes.	Dull blade; Incorrect cutting technique; Overfeeding material.	Replace blade; Ensure proper cutting speed and pressure; Do not force the saw through the material.

For issues not listed above or if solutions do not resolve the problem, please contact WEN customer support.

7. Specifications

Feature	Detail
Model Number	MM1214T
Motor	15 Amp
Blade Diameter	12 Inches

Feature	Detail
No-Load Speed	3800 RPM
Miter Capacity	45° Left and Right (with detents at 0°, 15°, 22.5°, 30°, 45°)
Bevel Capacity	45° Left and Right
Max Cross Cut (0° Miter, 0° Bevel)	13-3/8 inches (width) x 3-1/2 inches (thickness)
Max Compound Cut (45° Bevel, 45° Miter)	9-1/2 inches (width) x 2-1/8 inches (thickness)
Crown Molding Nested Capacity	7-1/2 inches
Base Board Vertical Capacity	6-3/4 inches
Voltage	120V, 60Hz
Product Dimensions	37.5"L x 21.25"W x 20.5"H
Item Weight	56 Pounds
Laser Type	Class II

8. Warranty and Support

8.1 Warranty Information

The WEN MM1214T 15-Amp 12-Inch Dual Bevel Sliding Compound Miter Saw with Laser is backed by a 2-year limited warranty. This warranty covers defects in material and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, replacement parts, or warranty inquiries, please contact WEN customer support. Refer to the official WEN website or product packaging for the most current contact information.

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