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› [DOVAMAN 12-Inch Dual-Bevel Sliding Miter Saw \(Model DMS03G\) Instruction Manual](#)

DOVAMAN DMS03G

DOVAMAN 12-Inch Dual-Bevel Sliding Miter Saw

Model: DMS03G

IMPORTANT SAFETY INSTRUCTIONS

Always read and understand this instruction manual completely before operating the DOVAMAN 12-Inch Dual-Bevel Sliding Miter Saw. Failure to follow all instructions may result in electric shock, fire, and/or serious injury. Save all warnings and instructions for future reference.

- **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. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and a dust mask. Do not overreach. Maintain proper footing and balance at all times. Dress properly; avoid loose clothing or jewelry.
- **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.
- **Miter Saw Specific Safety:** Ensure the workpiece is securely clamped before cutting. Keep hands clear of the blade path. Never reach into the blade area while the saw is running. Allow the blade to reach full speed before beginning a cut.
- **Blade Guard:** The transparent blade guard must always be in place and functioning correctly to ensure visibility and safety during operation.
- **Initial Alignment Check:** Your compound miter saw was adjusted at the factory. However, slight misalignment may occur during shipment. Check the miter cutting angle and make adjustments, if necessary, prior to using this compound miter saw.

PRODUCT OVERVIEW

The DOVAMAN 12-Inch Dual-Bevel Sliding Miter Saw (Model DMS03G) is designed for precise woodworking cuts, offering versatility and power for various projects.

Components Included

- 1 x DOVAMAN DMS03G 12-Inch Dual-Bevel Miter Saw
- 1 x 40T TCT Blade for Woodworking (pre-installed)
- 1 x Dust Bag
- 1 x Support Clamp
- 2 x Extra Carbon Brushes
- 2 x Side Plates
- 1 x Wrench
- 1 x Instruction Manual

Key Features

- **Versatile Compound Cutting:** Offers both horizontal and vertical 45° cutting capabilities with a sliding rail system for precise cuts.
- **Precision Laser Guide:** Assists in achieving accurate cuts, ensuring consistency in woodworking projects.
- **Powerful Motor:** Features a 15Amp pure copper motor with a high-speed rotation of up to 3800 RPM for efficient cutting.
- **Enhanced Safety and Ergonomics:** Upgraded switch design with a safety lock and integrated switch for ambidextrous operation. Transparent blade guard for visibility.
- **Cutting Capacity:** Maximum cutting capacity of 4.2" x 13".



Figure 1: Overview of the DOVAMAN 12-Inch Dual-Bevel Sliding Miter Saw.



TRANSPARENT PROTECTIVE COVER

Figure 2: Close-up of the transparent protective blade cover, ensuring visibility and safety.



TRIGGER SWITCH FOR BOTH HANDS

Figure 3: The trigger switch designed for comfortable ambidextrous operation.

SETUP

1. Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the saw for any damage that may have occurred during shipping. If any damage is found, do not operate the saw and contact customer support.
3. Verify that all included components are present as listed in the 'Components Included' section.

2. Initial Adjustments and Alignment

While the saw is factory-adjusted, it is crucial to verify and adjust alignment before first use to ensure accurate cuts.

1. **Blade Installation:** The 40T TCT blade is pre-installed. Ensure it is securely fastened and the teeth are oriented correctly for cutting.
2. **Fence Alignment:** Check that the fence is perpendicular to the blade at 90 degrees. If adjustment is needed, refer to the detailed instructions in the full manual for adjusting the fence.
3. **Miter Angle Calibration:** Verify the accuracy of the miter angle scale and positive stops. Make test cuts on

scrap material to confirm precision.

4. **Bevel Angle Calibration:** Check the bevel angle settings. Adjust if necessary to ensure accurate 0° and 45° bevel cuts.
5. **Dust Bag Attachment:** Attach the dust bag to the dust port to help manage sawdust during operation.
6. **Side Plates/Workpiece Supports:** Install the side plates or workpiece supports to provide stable support for longer materials.

OPERATING INSTRUCTIONS

1. Powering On/Off

- Connect the saw to a suitable 120V AC power outlet.
- To turn on the saw, depress the safety lock button and then squeeze the trigger switch.
- To turn off the saw, release the trigger switch. The blade will stop rotating.

2. Miter Angle Adjustment

The saw features nine common angle presets for quick and accurate miter cuts.

1. Loosen the miter lock knob.
2. Rotate the turntable to the desired miter angle. The base features positive stops at 0°, 15°, 22.5°, 30°, and 45° on both left and right sides.
3. Securely tighten the miter lock knob to fix the angle.



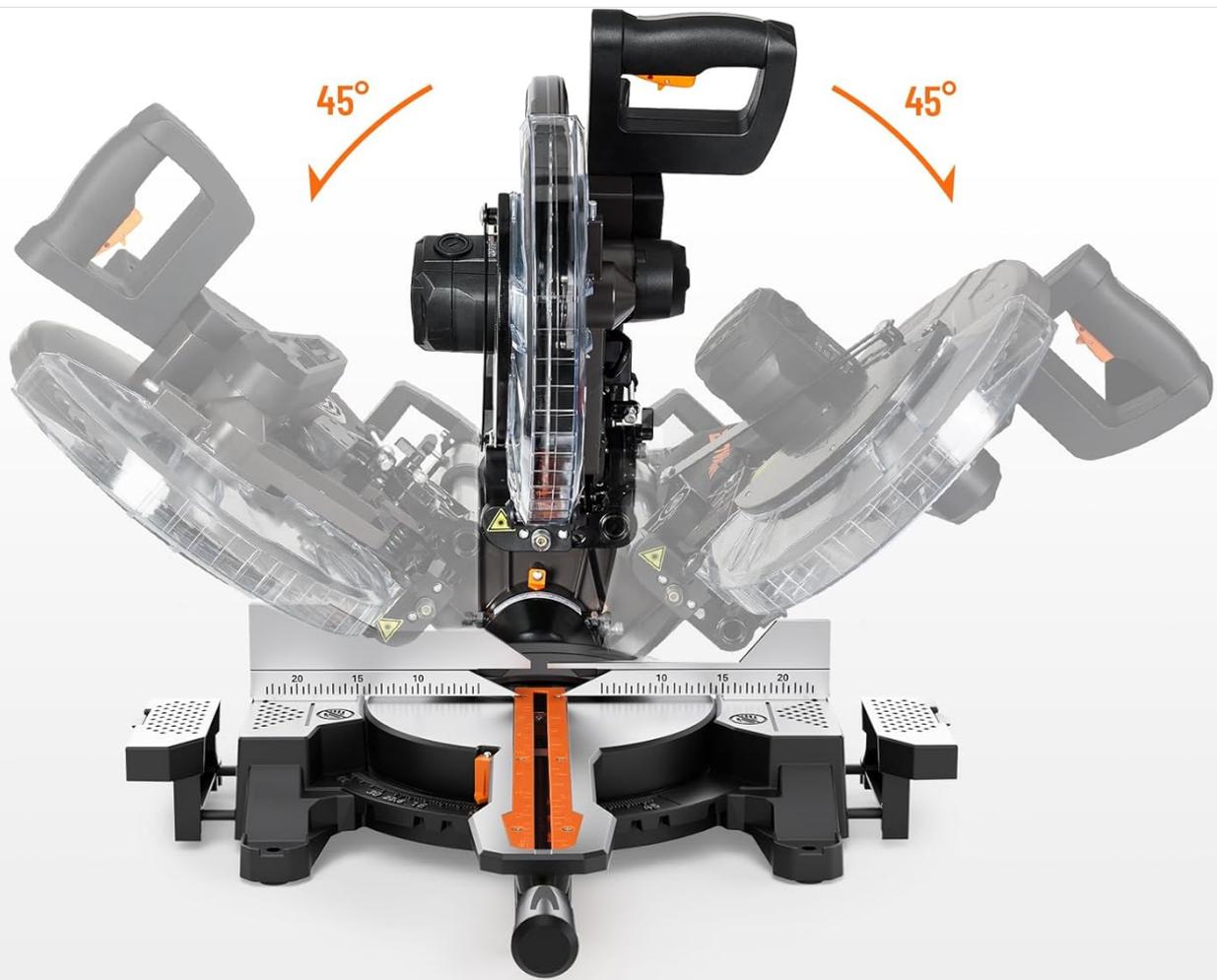
9 POSITIVE STOPS **ON METALLIC MITER DETENT PLATE**

Figure 4: The miter detent plate with 9 positive stops for common angles.

3. Bevel Angle Adjustment

The saw allows for dual-bevel cuts up to 45° to the left and right.

1. Loosen the bevel lock lever located at the rear of the saw.
2. Tilt the saw head to the desired bevel angle (0° to 45° left or right).
3. Securely tighten the bevel lock lever to hold the angle.



DUAL BEVEL CUTTING

Figure 5: Illustration of the dual-bevel cutting capability, allowing tilts up to 45 degrees left and right.

4. Sliding Function

For wider workpieces, utilize the sliding rail system.

1. Ensure the slide lock knob is disengaged (unlocked).
2. Pull the saw head forward, then push it back through the workpiece during the cut.
3. For non-sliding cuts, engage the slide lock knob to fix the saw head in position.

5. Laser Guide Operation

The integrated laser guide provides a visual cutting line for enhanced accuracy.

1. Locate the laser activation switch (if separate from the main power switch).
2. Activate the laser. A red line will project onto the workpiece, indicating the blade's cutting path.
3. Align the laser line with your desired cut mark on the material.



LASER-GUIDED CUTTING

Figure 6: The laser guide projecting a red line onto the workpiece for accurate alignment.

6. Cutting Procedures

Always ensure the workpiece is firmly clamped and stable before making any cuts.

1. Place the workpiece firmly against the fence and on the saw table. Use the support clamp for added stability.
2. Adjust miter and/or bevel angles as required for your cut.
3. Activate the laser guide and align the cut line.
4. Start the saw and allow the blade to reach full speed.
5. Slowly lower the saw head through the workpiece. For sliding cuts, pull the saw head forward, lower it, and then push it smoothly through the material.
6. Once the cut is complete, release the trigger switch and allow the blade to stop completely before raising the saw head.



4-1/8 X 13 CUTTING CAPACITY

Figure 7: Demonstrating the 4.2" x 13" cutting capacity of the miter saw.



Figure 8: The miter saw performing a cut on a wooden workpiece.

MAINTENANCE

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

- **Cleaning:** After each use, disconnect the saw from power and clean off sawdust and debris using a brush or compressed air. Keep ventilation openings clear.
- **Blade Care:** Regularly inspect the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades promptly. Always use a 12-inch blade with a 40T TCT (Tungsten Carbide Tipped) configuration suitable for woodworking.
- **Carbon Brushes:** The saw includes two extra carbon brushes. Carbon brushes wear down over time and need replacement when they reach their wear limit. Refer to the full manual for detailed instructions on how to inspect and replace carbon brushes.
- **Lubrication:** Periodically apply a light coat of machine oil to moving parts, such as the sliding rails, to ensure smooth operation.

- **Fasteners:** Check all nuts, bolts, and screws periodically to ensure they are tight. Tighten any loose fasteners.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Worn carbon brushes	Check power cord and outlet; Ensure safety lock and trigger are fully engaged; Inspect and replace carbon brushes if worn.
Inaccurate cuts	Blade misalignment; Fence misalignment; Incorrect miter/bevel setting; Loose workpiece	Check and adjust blade and fence alignment; Verify miter/bevel settings; Securely clamp workpiece.
Excessive vibration or noise	Dull or damaged blade; Loose blade; Loose components; Motor issue	Replace blade; Ensure blade is securely tightened; Check and tighten all fasteners; Contact customer support if motor issue persists.
Dust collection ineffective	Dust bag full or clogged; Dust port obstructed; Dust bag not properly attached	Empty and clean dust bag; Clear any obstructions from the dust port; Ensure dust bag is securely attached.

SPECIFICATIONS

Feature	Specification
Model Number	DMS03G
Power Source	Corded Electric
Voltage	120 Volts (AC)
Wattage	1800 watts
Amperage	15 Amp
Speed	3800 RPM
Blade Diameter	12 Inches
Number of Teeth	40T (TCT Blade)
Cutting Capacity (Max)	4.2" x 13"

Feature	Specification
Miter Angle Range	0-45° Left & Right (with 9 positive stops)
Bevel Angle Range	0-45° Dual Bevel
Product Dimensions	35"L x 22"W x 21"H
Item Weight	53.9 Pounds
Blade Material	TCT
Special Features	Laser Guide, Sliding Function, Ambidextrous Operation

WARRANTY AND CUSTOMER SUPPORT

Warranty Information

The DOVAMAN 12-Inch Dual-Bevel Sliding Miter Saw comes with a Limited Warranty. Please refer to the warranty card included in your package or visit the official DOVAMAN website for specific terms and conditions regarding coverage and duration.

Customer Support

For any questions, technical assistance, or warranty claims, please contact DOVAMAN customer support. We are committed to providing prompt, high-quality customer support with a response time of 24 hours.

Please have your model number (DMS03G) and purchase information ready when contacting support.