

DEWALT DW715

DEWALT DW715 12-Inch Compound Miter Saw Instruction Manual

Model: DW715

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your DEWALT DW715 12-Inch Compound Miter Saw. Designed for precision and durability, this saw is equipped with a powerful 15 Amp motor, delivering 4,000 rpm for efficient cutting of various materials. Please read this manual thoroughly before operating the saw to ensure proper use and to prevent injury.

Important Safety Information: For safe operation, always read and understand the instruction manual completely before using this product. Failure to follow all instructions may result in serious injury.

2. SETUP AND ASSEMBLY

Upon receiving your DEWALT DW715 miter saw, carefully unpack all components and inspect for any damage. Ensure all parts listed in the packing contents are present. The saw comes partially assembled, requiring minimal setup before use.

2.1 Blade Installation

The saw includes a carbide blade and a blade wrench for installation. Refer to the detailed instructions in the full manual for safe blade attachment and removal. Always ensure the saw is unplugged before performing any blade-related tasks.

2.2 Securing the Saw

For stable and accurate operation, securely mount the miter saw to a workbench or a compatible miter saw stand. Ensure the mounting surface is level and capable of supporting the saw's weight and operational forces.



Figure 1: Front view of the DEWALT DW715 12-Inch Compound Miter Saw. This image shows the overall design, including the blade guard, miter scale, and base, ready for operation.

3. OPERATING INSTRUCTIONS

The DEWALT DW715 is designed for precise cutting applications. Familiarize yourself with its controls and adjustments before making any cuts.

3.1 Power and Performance

The saw is powered by a 15 Amp motor, delivering a no-load speed of 4,000 revolutions per minute (rpm). This power is suitable for cutting framing lumber, molding, and other crosscutting and miter-cutting tasks.

3.2 Miter Angle Adjustments

The precise miter system features an adjustable stainless steel miter detent plate with 11 positive stops for common miter angles. To adjust the miter angle:

1. Loosen the cam-lock miter handle.
2. Rotate the turntable to the desired angle. The detent plate allows for quick stops at common angles.

3. For angles between detents, use the detent override feature.
4. Securely tighten the cam-lock miter handle to lock the angle in place.

The saw offers a wide miter capacity of 0 to 50 degrees to both the left and the right.



Figure 2: Side view of the DEWALT DW715, highlighting the motor housing, blade, and dust collection bag. This perspective illustrates the robust construction and key operational components.

3.3 Bevel Angle Adjustments

The saw allows for bevel cuts with a capacity of 0 to 48 degrees to the left and 0 to 3 degrees to the right. Hardened steel bevel stops are provided at 0, 33.9, 45, and 48 degrees for quick and accurate settings.

3.4 Fence System

The tall sliding fence supports crown molding up to 5-1/4 inches nested vertically and base molding up to 6-1/2 inches vertically against the fence. For bevel cuts, the fence can be easily slid out of the way to accommodate the blade angle.

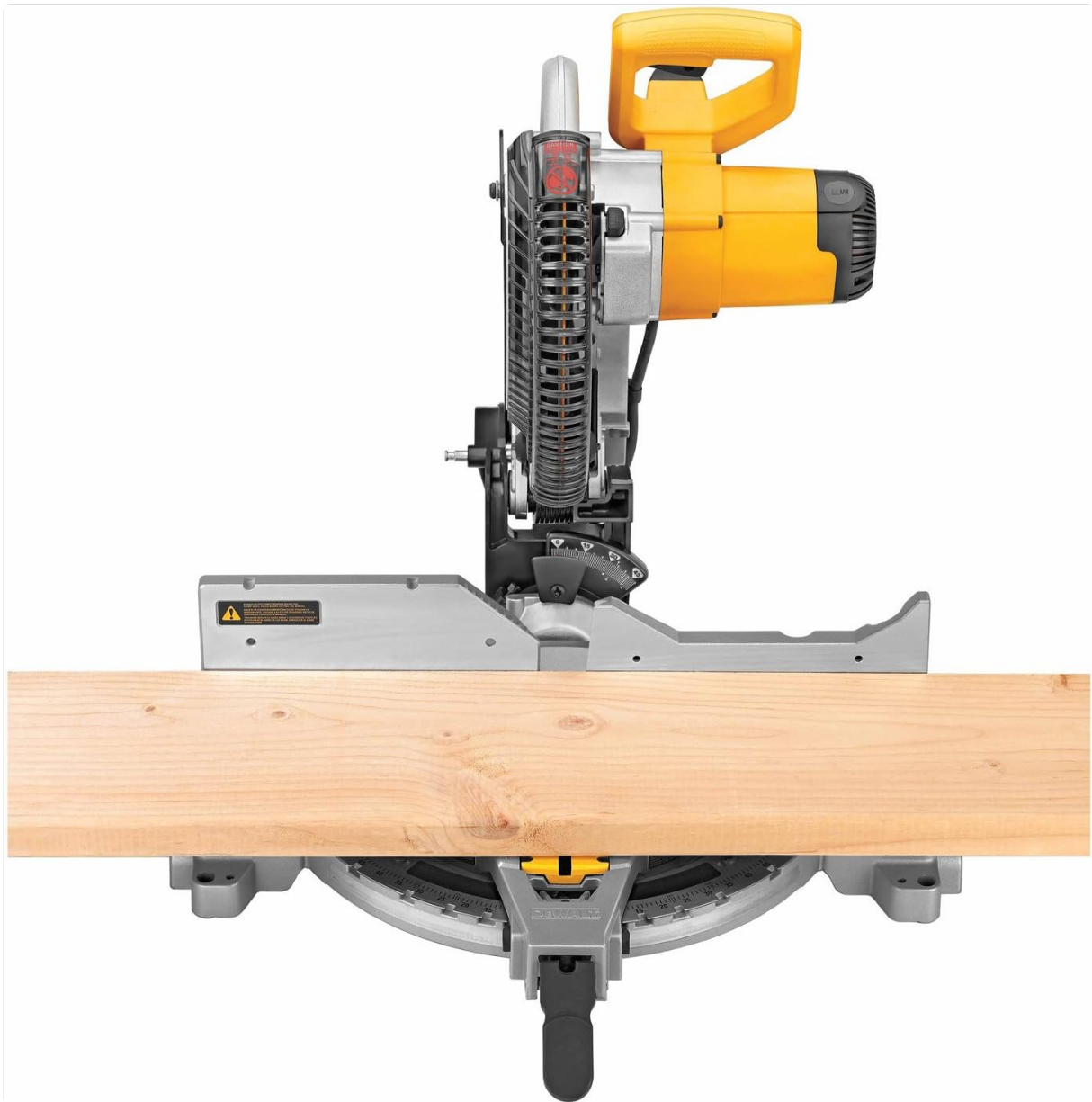


Figure 3: The DEWALT DW715 in action, demonstrating a crosscut on a piece of lumber. This image shows the saw's cutting capacity and how material is positioned against the fence.

3.5 Cutting Capacity

The 12-inch blade allows for crosscuts through dimensional lumber up to 2x8 inches.

3.6 Portability

Weighing approximately 42 pounds, the DW715 features a built-in carry handle for convenient transport around the jobsite or for storage.



Figure 4: Angled view of the DEWALT DW715, providing another perspective of its design and components, including the miter scale and handle.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DEWALT DW715 miter saw.

4.1 Cleaning

After each use, disconnect the saw from power and clean sawdust and debris from the motor vents, blade guard, and table surface. The included dust bag should be emptied regularly to maintain efficient dust collection.

4.2 Blade Care and Replacement

Periodically inspect the blade for sharpness and damage. A dull or damaged blade can lead to poor cut quality and increased motor strain. Use the provided blade wrench for safe blade replacement. Always use a 12-inch blade compatible with your saw's specifications.

5. TROUBLESHOOTING

This section addresses common issues you might encounter during the operation of your miter saw.

- **Saw not starting:** Ensure the power cord is securely plugged into a functional outlet. Check for tripped circuit breakers.
- **Poor cut quality (rough edges, burning):** The blade may be dull, dirty, or incorrect for the material being cut. Replace or clean the blade as necessary. Ensure the material is properly supported and clamped.
- **Inaccurate cuts:** Verify that the miter and bevel scales are correctly set and locked. Check for any play in

the saw's components or if the fence is misaligned. Calibration may be required.

- **Excessive vibration:** Ensure the saw is securely mounted. Check if the blade is properly installed and not warped.

For issues not covered here, or if problems persist, contact DEWALT customer support or a qualified service technician.

6. SPECIFICATIONS

Feature	Specification
Model Number	DW715
Power Source	Corded Electric
Voltage	120 Volts
Amperage	15 Amps
No-Load Speed	4000 RPM
Blade Diameter	12 Inches
Miter Capacity (Left/Right)	0-50 degrees
Bevel Capacity (Left/Right)	0-48 degrees Left, 0-3 degrees Right
Item Weight	42 lbs (approx. 21.3 kg)
Product Dimensions	26.1"L x 19.6"W x 17.2"H
Blade Material	Stainless Steel (Carbide blade included)
Handle Material	Aluminum

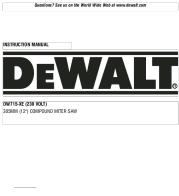
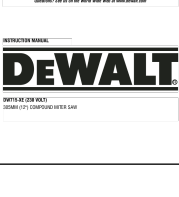




7. WARRANTY AND SUPPORT

Your DEWALT DW715 12-Inch Compound Miter Saw is backed by a comprehensive warranty package:

- **3-Year Limited Warranty:** Covers defects in materials or workmanship.
- **1-Year Free Service Contract:** Provides free maintenance for one year from the date of purchase.
- **90-Day Money Back Guarantee:** Allows for a full refund within 90 days if you are not completely satisfied.

For warranty claims, service, or technical support, please refer to the contact information provided with your product packaging or visit the official DEWALT website.

Related Documents - DW715

	<p>DEWALT DW715-XE 305mm (12") Compound Miter Saw Instruction Manual</p> <p>Comprehensive instruction manual for the DEWALT DW715-XE 305mm (12") 230 Volt Compound Miter Saw, covering safety, operation, adjustments, maintenance, and troubleshooting.</p>
	<p>DEWALT DW715-XE 305mm (12") Compound Miter Saw Instruction Manual</p> <p>Instruction manual for the DEWALT DW715-XE 305mm (12") 230 Volt Compound Miter Saw, covering safety, operation, adjustments, maintenance, and troubleshooting.</p>
	<p>DEWALT DW718 (230V) 305mm (12") Double Bevel Sliding Compound Miter Saw Instruction Manual</p> <p>Comprehensive instruction manual for the DEWALT DW718 (230V) 305mm (12") Double Bevel Sliding Compound Miter Saw, covering safety instructions, specifications, operation, maintenance, and troubleshooting.</p>
	<p>DEWALT DWS713 10-inch Compound Miter Saw Instruction Manual</p> <p>This comprehensive instruction manual provides detailed safety guidelines, operating procedures, assembly instructions, and maintenance tips for the DEWALT DWS713 10-inch (254 mm) Compound Miter Saw. Learn how to use your DEWALT tool safely and effectively.</p>
	<p>DEWALT DW717-XE 254 mm (10") Double Bevel Sliding Compound Miter Saw Instruction Manual</p> <p>Comprehensive instruction manual for the DEWALT DW717-XE 254 mm (10") Double Bevel Sliding Compound Miter Saw, covering safety, operation, adjustments, maintenance, and troubleshooting for woodworking professionals and DIY enthusiasts.</p>
	<p>DeWalt DWS782 12-Inch Double Bevel Sliding Compound Miter Saw Instruction Manual</p> <p>Comprehensive instruction manual for the DeWalt DWS782 12-inch Double Bevel Sliding Compound Miter Saw, covering safety guidelines, features, operation, maintenance, adjustments, and troubleshooting.</p>