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DEWALT DWS713-cr

DEWALT DWS713R 10-inch Compound Miter Saw User Manual

Model: DWS713-cr | Brand: DEWALT

Introduction

The DEWALT DWS713R 10-inch Compound Miter Saw is designed for precision cutting in various woodworking applications. Featuring a powerful 15 Amp motor, a dual bevel sliding fence, and a stainless steel miter detent plate, this saw is built to handle demanding cutting jobs with accuracy and ease. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your miter saw.

Important Safety Information

Always read and understand all safety warnings and instructions before operating this power tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Keep this manual for future reference.

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and a dust mask.
- Ensure the workpiece is securely clamped before making any cuts.
- Keep hands and fingers clear of the blade path.
- Disconnect the saw from the power source before making any adjustments, changing accessories, or performing maintenance.
- Maintain a clean and well-lit work area.
- Do not operate the saw in damp or wet conditions.
- Use only sharp, properly sized blades designed for the material being cut.

Components Overview

Familiarize yourself with the key components of your DEWALT DWS713R Miter Saw:



Figure 1: Overall view of the DEWALT DWS713R 10-inch Compound Miter Saw.

- **Motor:** Powerful 15 Amp motor providing 5000 RPM for efficient cutting.
- **Blade:** 10-inch carbide-tipped blade for various cutting tasks.
- **Miter Detent Plate:** Stainless-steel plate with 14 positive stops for quick and accurate miter angle adjustments.
- **Tall Sliding Fence:** Supports up to 4-1/4-inch base vertically, allowing for larger material support and stability during cuts.
- **Bevel Adjustment:** Allows for bevel cuts from 0 to 48 degrees to the left and 0 to 3 degrees to the right.
- **Vertical Clamp:** An attachment to securely hold the workpiece in place during cutting operations.
- **Dust Bag:** Collects sawdust to maintain a cleaner work environment.

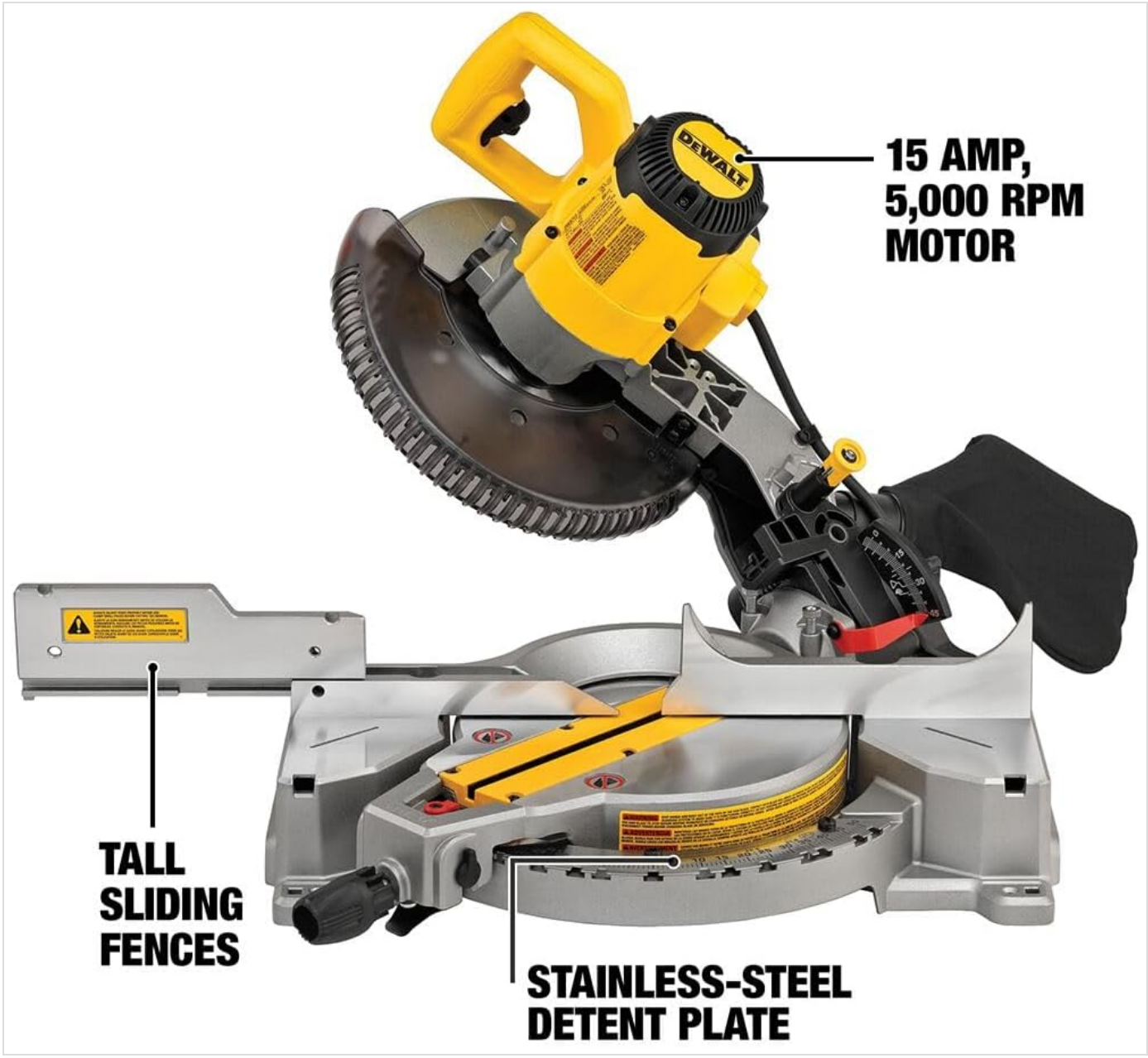


Figure 2: Key components labeled, including the 15 Amp, 5000 RPM motor, tall sliding fences, and stainless-steel detent plate.



Figure 3: The vertical clamp attachment for securing workpieces.

Setup

1. **Unpacking:** Carefully remove the miter saw and all accessories from the packaging. Inspect for any shipping damage.
2. **Mounting:** Securely mount the miter saw to a stable workbench or miter saw stand using appropriate hardware. Ensure the mounting surface is level and capable of supporting the saw's weight and cutting forces.
3. **Blade Installation:** Ensure the saw is unplugged. Follow the instructions in the separate blade installation guide to properly install the 10-inch carbide-tipped blade. Ensure the blade is clean and free of defects.
4. **Dust Bag Attachment:** Attach the included dust bag to the dust port on the saw to help manage sawdust during operation.
5. **Power Connection:** Connect the saw to a grounded 120V power outlet. Ensure the power source meets the saw's electrical requirements.

Operating Instructions

Making Miter Cuts

The DWS713R features a precise miter system with a stainless-steel detent plate for quick and accurate angle adjustments. To adjust the miter angle:

1. Locate the miter lock handle and the miter detent override button.
2. Press down on the miter detent override button to disengage the detent.
3. Move the miter arm to the desired angle, aligning the indicator with the scale on the detent plate. The saw has 14 positive stops for common angles.
4. Release the detent override button to lock into a positive stop, or tighten the miter lock handle to secure the angle if not using a detent.

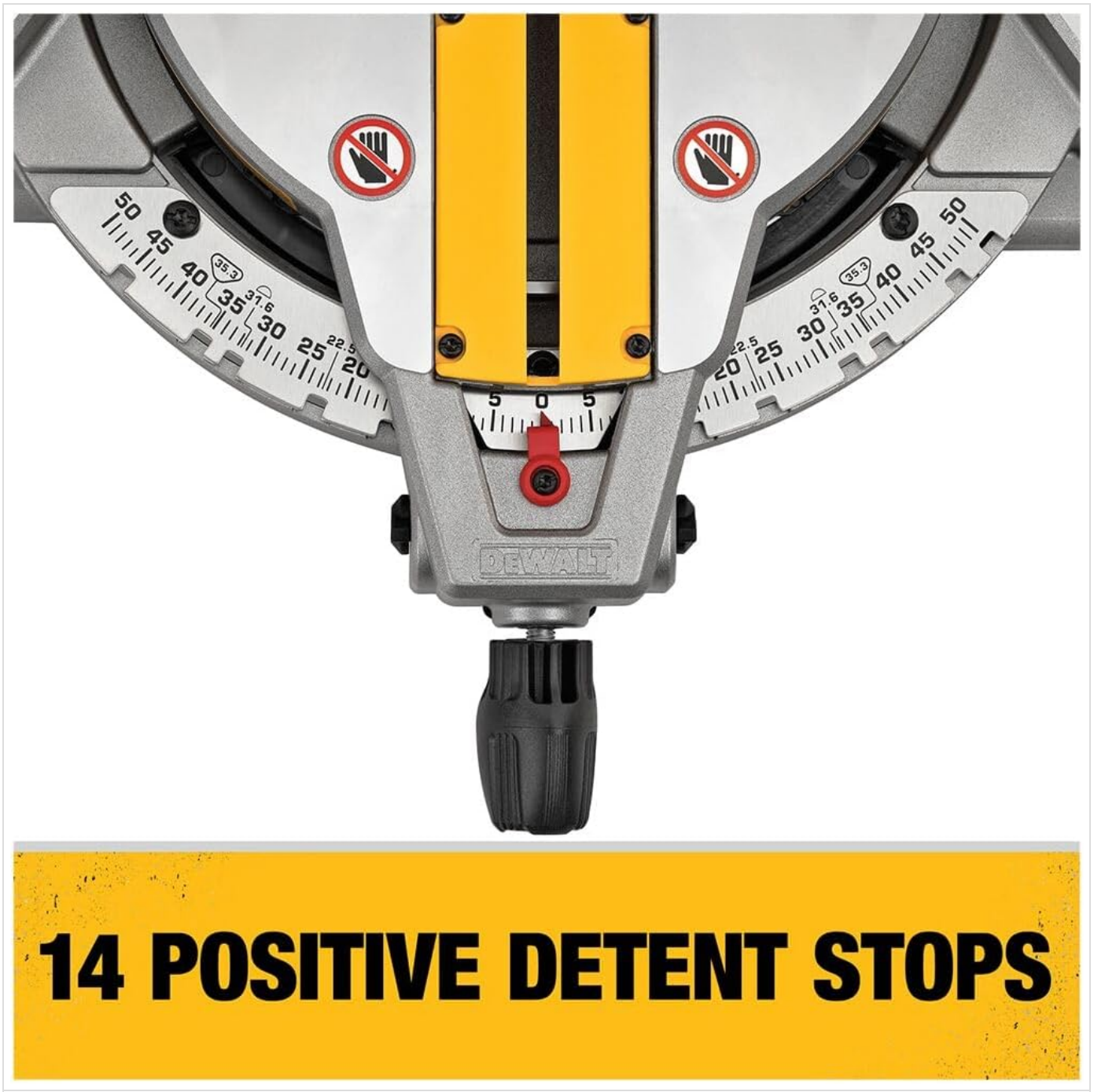


Figure 4: The miter detent plate with 14 positive stops for precise angle selection.

Making Bevel Cuts

The saw allows for single bevel cuts. To adjust the bevel angle:

1. Locate the bevel lock knob at the rear of the saw.
2. Loosen the bevel lock knob.
3. Tilt the saw head to the desired bevel angle. The saw bevels from 0 to 48 degrees to the left and 0 to 3 degrees to the right.
4. Tighten the bevel lock knob to secure the saw head in position.



Figure 5: Bevel adjustment mechanism, allowing cuts up to 48 degrees to the left.

Using the Tall Sliding Fence

The tall sliding fence provides excellent support for larger workpieces and allows for increased cross-cut capacity. To adjust the fence:

- Loosen the fence locking knobs.
- Slide the fence sections in or out as needed to accommodate the workpiece and blade clearance.
- Tighten the fence locking knobs to secure the fence in position.



Figure 6: The tall sliding fence in action, supporting up to 4-1/4 inches of base molding.

Cross-Cutting Capacity

- At 90 degrees: 2-inch x 6-inch dimensional lumber.
- At 45 degrees: 2-inch x 4-inch dimensional lumber.

Maintenance

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

- **Cleaning:** After each use, disconnect the saw from power and clean off sawdust and debris from the motor vents, blade guard, and table. Use compressed air for hard-to-reach areas.
- **Blade Inspection:** Regularly inspect the blade for sharpness, cracks, or missing teeth. Replace dull or damaged blades immediately.
- **Lubrication:** Periodically lubricate moving parts as indicated in the detailed service manual (not provided here).
- **Brush Inspection (Brushed Motor):** As this model features a brushed motor, carbon brushes may require periodic

inspection and replacement. Refer to a qualified service technician or the full service manual for details.

- **Fasteners:** Check all nuts, bolts, and screws for tightness. Tighten any loose fasteners.

Troubleshooting

Problem	Possible Cause	Solution
Saw does not start	No power, faulty switch, tripped circuit breaker	Check power connection, reset breaker, contact service if switch is faulty.
Blade binds or smokes	Dull blade, incorrect blade for material, improper feed rate, workpiece not clamped	Replace blade, use correct blade, reduce feed rate, secure workpiece.
Inaccurate cuts	Miter/bevel settings loose, fence not aligned, blade wobble	Tighten settings, adjust fence, check blade for damage or proper installation.

Specifications

Feature	Detail
Brand	DEWALT
Model Number	DWS713-cr
Power Source	Corded Electric
Voltage	120V
Current Rating	15 Amps
Speed	5000 RPM
Blade Length	10 Inches
Blade Material	High Speed Steel
Number of Teeth	80
Cutting Angle	90 Degrees (cross-cut)
Bevel Capacity	0-48 degrees Left, 0-3 degrees Right
Item Weight	38.1 Pounds
Product Dimensions	24.8 x 20 x 17.72 inches
Included Components	DWS713 Single Bevel Compound Miter Saw; 10" Carbide Tipped Blade; Wrench; Dust Bag; Vertical Clamp

Warranty and Support

This DEWALT DWS713R Miter Saw comes with a**90 days limited warranty**. For warranty claims or technical support, please contact DEWALT customer service or visit their official website. Ensure you have your model number (DWS713-cr) and proof of purchase available.

For further assistance, refer to the official DEWALT support channels or authorized service centers.

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