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› DEWALT 20V MAX Jig Saw (DCS331B) Instruction Manual

DEWALT DCS331B

DEWALT 20V MAX Jig Saw (DCS331B) Instruction Manual

Brand: DEWALT | Model: DCS331B

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and setup of your DEWALT 20V MAX Jig Saw, model DCS331B. Please read and understand all instructions before using the tool.

The DEWALT 20V MAX Jig Saw (DCS331B) is a versatile cordless power tool designed for various cutting applications. It features an all-metal, lever-action keyless blade clamp for quick blade changes and an all-metal keyless shoe bevel with four detents for easy angle adjustments. The variable-speed trigger provides precise control, and the 4-position orbital action enhances cutting performance across different materials. A removable shoe cover protects surfaces, and an adjustable dust blower keeps the cut line clear.



Figure 1: Overview of the DEWALT 20V MAX Jig Saw (DCS331B) highlighting key features like bevel detents, orbital settings, integrated dust blower, and removable shoe cover.

2. KEY FEATURES

- **All-Metal, Lever-Action Keyless Blade Clamp:** Designed for quick and easy blade changes without additional tools.
- **All-Metal Keyless Shoe Bevel:** Features detents at 0°, 15°, 30°, and 45° for versatile and easy bevel adjustments.
- **4-Position Orbital Action:** Provides control over cut quality and speed for various materials.
- **Adjustable Dust Blower:** Keeps the line of cut clear of chips and debris for improved visibility.
- **Variable Speed 0-3,000 SPM:** Offers versatility to adjust cutting speed based on material and application.
- **Anti-Slip Comfort Grip:** Enhances user comfort and control, reducing fatigue during extended use.
- **T-Shank Jig Saw Blades:** Accepts T-shank blades for optimal holding power and professional results.
- **Removable Shoe Cover:** Helps protect delicate materials from scratches.

3. SETUP

3.1 Battery Installation

The DEWALT 20V MAX Jig Saw is powered by a 20V MAX Lithium Ion battery (sold separately). Ensure the battery is fully charged before use. To install, align the battery with the tool's battery port and slide it in until it clicks securely into place. To remove, press the battery release button and slide the battery out.



Figure 2: The DEWALT 20V MAX Jig Saw with a 20V MAX battery inserted. The battery provides cordless power for enhanced portability.

3.2 Blade Installation and Removal

The jig saw features an all-metal, lever-action keyless blade clamp for quick and easy blade changes.

1. To install a blade, lift the blade clamp lever located on the front of the tool.
2. Insert the T-shank blade fully into the blade clamp opening with the teeth facing forward.
3. Release the lever to secure the blade. Tug gently on the blade to ensure it is firmly seated.
4. To remove a blade, lift the blade clamp lever and pull the blade out.

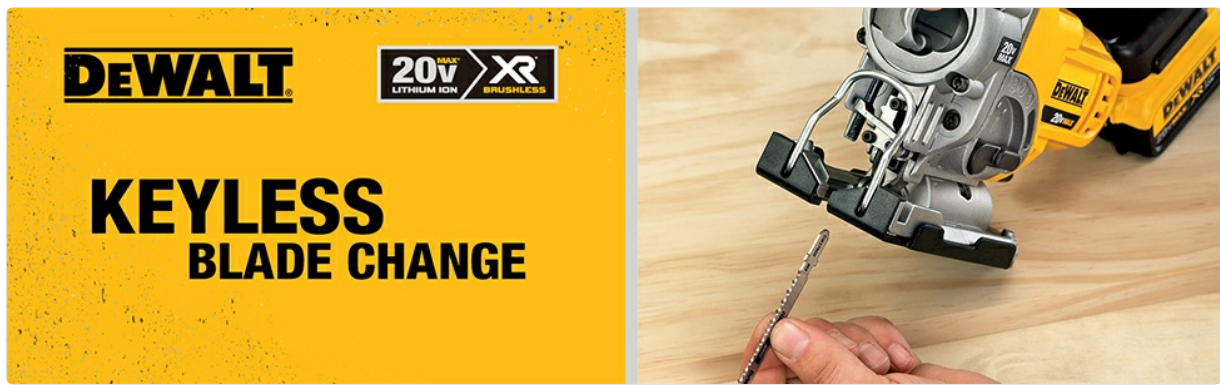


Figure 3: The keyless blade change mechanism allows for quick and tool-free blade installation and removal.

4. OPERATING INSTRUCTIONS

4.1 Variable Speed Control

The jig saw features a variable-speed trigger, allowing you to control the strokes per minute (SPM) from 0 to 3,000. Press the trigger lightly for slower speeds and harder for faster speeds. This enables optimal cutting performance across various materials and applications.



0-3,000 SPM
VARIABLE SPEED
FOR ENHANCED CONTROL

Figure 4: The variable speed trigger provides enhanced control for different cutting tasks, from delicate curves to

aggressive straight cuts.

4.2 Orbital Action Settings

The 4-position orbital action lever allows you to adjust the aggressiveness of the blade's stroke. Higher orbital settings (e.g., 3 or 4) provide faster, more aggressive cuts suitable for wood, while lower settings (e.g., 0 or 1) offer smoother, slower cuts ideal for metal or fine finishes.



Figure 5: The 4-position orbital action lever allows users to select the appropriate blade motion for different materials and desired cut quality.

4.3 Bevel Adjustments

The all-metal keyless shoe bevel allows for quick angle adjustments. It has detents at 0°, 15°, 30°, and 45° for common bevel cuts. To adjust, loosen the shoe bevel lever, tilt the shoe to the desired angle, and then tighten the lever to secure it.



Figure 6: The keyless shoe bevel allows for quick and precise angle adjustments for various cutting needs.

5. MAINTENANCE

5.1 Dust Blower

The adjustable dust blower helps keep the cut line clear. Ensure the dust blower is clean and free of obstructions for optimal performance. Regularly clear any accumulated sawdust or debris from the tool's vents and around the blade area.

5.2 Removable Shoe Cover

Use the removable shoe cover when working on delicate surfaces to prevent scratches. Inspect the shoe cover periodically for wear and replace if damaged.



Figure 7: The removable shoe cover protects workpiece surfaces from marring during operation.

5.3 General Cleaning and Storage

Keep the tool clean and free of debris. Use a soft cloth to wipe down the exterior. Store the tool in a dry, secure location out of reach of children. Remove the battery when storing the tool for extended periods.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed	Charge battery; ensure battery is fully inserted and clicked into place.
Blade not cutting efficiently	Dull or incorrect blade; incorrect orbital setting	Replace with a sharp, appropriate blade for the material; adjust orbital action.
Excessive vibration	Loose blade; worn blade; improper cutting technique	Ensure blade is securely clamped; replace worn blade; use proper cutting technique.

Problem	Possible Cause	Solution
Cut line obscured by dust	Dust blower obstructed or not activated	Clear dust blower vents; ensure dust blower is set to active position.

7. SPECIFICATIONS

Feature	Detail
Brand	DEWALT
Model Number	DCS331B
Power Source	Battery Powered (20V MAX)
Speed	0-3000 SPM (Variable Speed)
Cutting Angle	45 Degrees (Keyless Shoe Bevel with detents at 0°, 15°, 30°, 45°)
Blade Material	Carbon Steel (Accepts T-shank blades)
Item Weight	5.56 Pounds
Item Dimensions L x W x H	11.25"L x 11"W x 3.9"H
Included Components	(2) Blades DCS331 20V MAX* Jig Saw (Tool Only)

8. WARRANTY AND SUPPORT

This DEWALT product comes with a **3 Year Limited Warranty**. For detailed warranty information, service, or support, please refer to the official DEWALT website or contact DEWALT customer service directly.

9. PRODUCT VIDEOS

9.1 DEWALT Jigsaw DCS331 Demo and Overview

This video provides a comprehensive demonstration and overview of the DEWALT DCS331B Jigsaw, showcasing its features and capabilities in action.

9.2 DEWALT Cordless Jig Saw

Watch this video for a detailed look at the cordless operation and portability of the DEWALT 20V MAX Jig Saw, highlighting its ease of use in various settings.

9.3 How to use & what you get! EZARC Laminate Wood Floor Install Kit

This video demonstrates the use of a floor installation kit, including a segment where the DEWALT Jig Saw is recommended and shown for cutting laminate flooring, illustrating a practical application.