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DEWALT DC330B

DEWALT DC330B 18-Volt Cordless Jig Saw Instruction Manual

Model: DC330B

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and care of your DEWALT DC330B 18-Volt Cordless Jig Saw. Please read and understand all instructions before using the tool. Keep this manual for future reference.
The DEWALT DC330B is a versatile 18-volt cordless jig saw designed for cutting various materials including wood, metal, and plastic. It features a variable speed motor, keyless blade change, and orbital action for optimized cutting performance.

2. General Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep your 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:** This is a cordless tool. Ensure the battery pack is fully charged before use. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection (safety glasses or goggles) and hearing protection. Use a dust mask when operating in dusty conditions. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools. Store idle power tools out of the reach of children.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. Components and Features

The DEWALT DC330B Jig Saw is equipped with several features to enhance performance and user comfort:

- **Keyless Lever-Action Blade Clamp:** Allows for quick and easy blade changes without additional tools.
- **All-Metal Keyless Shoe Bevel:** Features detents at 0°, 15°, 30°, and 45° for versatile bevel cutting.

- **4-Position Orbital Action:** Provides control over cut quality and speed, suitable for various materials.
- **Adjustable Dust Blower:** Helps keep the cut line clear of debris for improved visibility.
- **Anti-Slip Comfort Grip:** Enhances user comfort and control during operation.
- **Variable Speed Trigger:** Allows for precise speed control from 0 to 3,000 strokes per minute (SPM).



Figure 1: Overview of the DEWALT DC330B 18-Volt Cordless Jig Saw. This image displays the tool's main body, handle, blade clamp area, and base plate.

4. Setup

4.1 Battery Installation

The DEWALT DC330B is a bare tool and does not include a battery or charger. It is compatible with DEWALT 18-volt XRP battery packs (e.g., DC9096) and compatible chargers (e.g., DW9117 15-minute charger).

1. Ensure the jig saw is turned off.
2. Align the battery pack with the receptacle on the tool's handle.
3. Slide the battery pack into the tool until it clicks securely into place.
4. To remove, press the battery release button and pull the battery pack out.

4.2 Blade Installation and Removal

This jig saw uses T-shank blades. Ensure you use the correct blade type for optimal performance and safety.

1. Ensure the battery pack is removed from the tool to prevent accidental startup.
2. Lift the keyless lever-action blade clamp located at the front of the tool.
3. Insert the T-shank of the blade fully into the blade clamp opening. Ensure the blade teeth face forward.
4. Release the blade clamp lever. The blade should be held firmly in place. Gently pull on the blade to confirm it is secure.
5. To remove a blade, lift the blade clamp lever and pull the blade out.



Figure 2: Close-up view of the blade clamp and shoe area, illustrating where the blade is inserted and secured.

5. Operating Instructions

5.1 Powering On/Off and Variable Speed Control

The tool is activated by pressing the variable speed trigger. The cutting speed is controlled by the amount of trigger depression; pressing further increases the speed.

5.2 Orbital Action Adjustment

The 4-position orbital action allows you to adjust the aggressiveness of the blade's cut. Use the orbital action selector lever:

- **Position 0 (No Orbital Action):** For fine, smooth cuts in wood, or for cutting metal and plastic.
- **Positions 1-3 (Increasing Orbital Action):** For faster, more aggressive cuts in wood. Higher settings remove material more quickly but may result in a rougher cut.

5.3 Bevel Cutting

The all-metal keyless shoe bevel allows for angled cuts up to 45 degrees.

1. Remove the battery pack.
2. Locate the shoe bevel adjustment lever beneath the base plate.
3. Loosen the lever and adjust the shoe to the desired angle (0°, 15°, 30°, or 45°). The detents will help align the shoe.
4. Securely tighten the lever before operating the tool.

5.4 Dust Blower

The adjustable dust blower helps maintain a clear view of your cut line. The blower can be adjusted to direct air towards the cutting area, clearing sawdust and debris.



Figure 3: The jig saw in use, demonstrating a cut on a countertop surface. Proper hand placement and material support are shown.



Figure 4: The jig saw cutting a wooden board, highlighting its application for wood materials.



Figure 5: The jig saw cutting a plastic sheet, demonstrating its versatility across different materials.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your DEWALT DC330B Jig Saw.

- **Cleaning:** Keep the tool's ventilation openings clear to prevent overheating. Use a clean, dry cloth to wipe down the tool. Do not use solvents or harsh chemicals.
- **Blade Inspection:** Regularly inspect blades for sharpness and damage. Replace dull or damaged blades promptly.
- **Battery Care:** Store battery packs in a cool, dry place. Do not store them in discharged condition.
- **General Inspection:** Periodically check all screws and fasteners for tightness. Tighten any loose components.

7. Troubleshooting

If you encounter issues with your DEWALT DC330B Jig Saw, refer to the following common troubleshooting tips:

- **Tool Does Not Start:**
  - Ensure the battery pack is fully charged and properly inserted.
  - Check if the trigger is fully depressed.
- **Poor Cutting Performance:**
  - Replace the blade if it is dull or damaged.
  - Ensure the correct blade type is used for the material.
  - Adjust the orbital action setting for the material being cut.
  - Verify the shoe bevel is set correctly for straight or angled cuts.
- **Excessive Vibration:**
  - Ensure the blade is securely installed in the blade clamp.
  - Check for a bent or damaged blade.

For issues not resolved by these steps, contact DEWALT customer service or an authorized service center.

8. Specifications

Specification	Value
Model Number	DC330B
Voltage	18 Volts
Power Source	Battery Powered
Strokes Per Minute (SPM)	0-3,000 SPM (Variable Speed)
Stroke Length	1 inch
Orbital Action	4-Position
Bevel Capacity	0°, 15°, 30°, 45°
Blade Type	T-Shank
Item Weight	5.14 pounds
Product Dimensions	11.25 x 11 x 3.88 inches
Wattage	340 Watts
Surface Recommendation	Metal, Plastic, Wood

9. Warranty and Support

Your DEWALT DC330B 18-Volt Cordless Jig Saw is backed by DEWALT's comprehensive warranty and support:

- **Three-Year Limited Warranty:** Covers any defects due to faulty materials or workmanship from the date of purchase.
- **One-Year Free Service Contract:** DEWALT will maintain the tool and replace worn parts caused by normal use, free of charge, for one year from the date of purchase.

- **90-Day Money-Back Guarantee:** If you are not completely satisfied with the performance of your DEWALT power tool, you can return it within 90 days for a full refund.

For warranty claims, service, or technical assistance, please refer to the official DEWALT website or contact DEWALT customer service directly.

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