DEWALT DCD805B

DEWALT 20V MAX XR Brushless Lithium-Ion 1/2 in. Cordless Hammer Drill Driver Instruction Manual

Model: DCD805B

1. Introduction

Thank you for choosing the DEWALT 20V MAX XR Compact Hammer Drill. This tool is designed for efficient drilling and hammer drilling in various materials including masonry, wood, and metal. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.



Figure 1: DEWALT 20V MAX XR Brushless Lithium-Ion 1/2 in. Cordless Hammer Drill Driver (Tool Only)

2. Safety Information

Always adhere to the following safety guidelines to prevent personal injury and damage to the tool:

- **Read All Instructions:** Familiarize yourself with all operating instructions and safety warnings before use.
- **Wear Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) when operating the drill.
- **Secure Workpiece:** Ensure the workpiece is stable and securely clamped to prevent movement during drilling.
- **Proper Grip:** Maintain a firm grip on the tool, especially during high-torque applications.
- **Avoid Overreaching:** Keep proper footing and balance at all times.
- **Use Correct Bit:** Select the appropriate drill bit for the material and application.
- **Battery Safety:** Use only specified DEWALT 20V MAX* Lithium-Ion batteries. Do not expose batteries to water or extreme temperatures.
- **Unplug When Not In Use:** Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.

3. Components and Package Contents

Your DEWALT DCD805B Hammer Drill Driver package includes:

- DCD805 20V MAX* XR® Brushless Cordless 1/2 in. Hammer Drill/Driver (Tool Only)
- Belt Hook

Note: Battery and charger are sold separately.

4. Setup

4.1. Battery Installation

To install the battery pack (sold separately), 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.

4.2. Attaching Drill Bits

The drill features a 1/2-inch metal ratcheting chuck for high bit retention.

1. Rotate the chuck counter-clockwise to open the jaws.
2. Insert the desired drill bit or accessory into the chuck.
3. Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly held.



Figure 2: Close-up of the 1/2-inch metal ratcheting chuck.

5. Operating Instructions

5.1. Powering On/Off and Trigger Lock

The drill is activated by pressing the variable speed trigger. To prevent accidental startup, the tool features a trigger lock. To lock the trigger, slide the forward/reverse selector switch to the center position. To unlock and operate, slide the switch to either the forward or reverse position.

5.2. Speed and Torque Settings

The DCD805B features a high-speed transmission with a variable trigger and 2 speed settings (0-650/0-2,000 rpm) for pro-level speed, control, and precision. Adjust the gear selector switch (labeled 1, 2, 3) on top of the drill to select the desired speed range based on your application. Lower speeds provide higher torque, while higher speeds are suitable for faster drilling.



Figure 3: The 2-speed transmission selector switch.

5.3. Using the LED Work Light

The drill is equipped with an adjustable, 3-position 70 Lumens LED light with 3 modes, including an LED spotlight mode which features a 20-minute shutoff function for extended work time in low-light spaces. The light activates when the trigger is pressed. Use the dedicated button near the battery to cycle through the light modes.



Figure 4: The pivoting LED work light for illuminating dark work areas.

5.4. Brushless Motor Technology

This DEWALT drill features a brushless motor, which provides increased efficiency, longer runtime, and extended tool life compared to brushed motors. This technology contributes to the tool's ability to complete challenging projects with up to 40% more Unit Watts Out (UWO) versus the DCD796B when using a DCB205 battery or DCBP034 DEWALT POWERSTACK battery (sold separately).



Figure 5: The brushless motor design for enhanced performance.

5.5. Compact Design

The compact 7-inch size of the DCD805B is 1/2-inch shorter in length compared to the DCD796, tool head only. This allows for easier access to hard-to-reach work areas and improved maneuverability.



Figure 6: Illustrates the compact size of the drill head.

5.6. Tool Connect Chip-Ready

The DCD805B is designed to be Tool Connect chip-ready, allowing you to track the tool if a Tool Connect chip (sold separately) is installed. This feature helps in managing your inventory and locating your tools on job sites.



Figure 7: Location for optional Tool Connect chip installation.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your DEWALT drill:

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures. Follow the battery manufacturer's charging instructions.
- **Inspection:** Regularly inspect the power cord (if applicable, though this is cordless), switch, and housing for any damage.

7. Troubleshooting

If you encounter issues with your drill, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Trigger lock engaged; Faulty switch	Charge battery; Reinstall battery securely; Disengage trigger lock; Contact service center
Reduced power/speed	Low battery charge; Incorrect speed setting; Overload	Recharge battery; Adjust speed setting; Reduce pressure on tool
Bit slipping in chuck	Chuck not tightened sufficiently; Worn bit shank; Dirty chuck jaws	Tighten chuck firmly; Replace worn bit; Clean chuck jaws

For issues not listed here or if problems persist, please contact DEWALT customer support.

8. Specifications

Feature	Specification
Brand	DEWALT
Model Number	DCD805B
Power Source	Battery Powered
Voltage	20 Volts
Drill Type	Hammer Drill
Motor Type	Brushless
Chuck Size	1/2 inch
Maximum Rotational Speed	2000 RPM
Number of Speeds	2
Maximum Power	300 Watts
LED Light Output	70 Lumens (3 modes)
Item Weight	3.34 pounds
Product Dimensions	7.32 x 3.74 x 9.25 inches
Batteries Included?	No
Battery Cell Type	Lithium Ion

9. Warranty and Support

This DEWALT DCD805B Hammer Drill Driver (Renewed) comes with a**90 days limited warranty**. For warranty claims, technical support, or service inquiries, please contact the seller or refer to the official DEWALT support channels.
For additional information and support, visit the official DEWALT website.

© 2023 DEWALT. All rights reserved.