DEWALT DCD710B

DEWALT 12V MAX* Cordless Drill DCD710B User Manual

Model: DCD710B

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT 12V MAX* Cordless Drill, Model DCD710B. This tool is designed for drilling and fastening applications. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury.



Image: DEWALT 12V MAX* Cordless Drill DCD710B, showing its compact design and key components.

General Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal 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:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use safety glasses, goggles, or a face shield. Wear hearing protection when operating power tools for extended periods. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Do not use the power tool if the switch does not turn it on and off. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

Setup

1. Battery Installation (Battery Sold Separately)

1. Ensure the drill is turned off and the forward/reverse switch is in the center (locked) position.
2. Align the battery pack with the receptacle on the bottom of the drill handle.
3. Slide the battery pack into the handle until it clicks securely into place.
4. To remove, press the release button on the battery pack and slide it out.

2. Installing and Removing Drill Bits/Accessories

1. Ensure the drill is turned off and the forward/reverse switch is in the center (locked) position.
2. Grasp the rear half of the chuck and rotate the front half counter-clockwise until the chuck jaws are open wide enough to accept the desired bit or accessory.
3. Insert the bit fully into the chuck.
4. Grasp the rear half of the chuck and rotate the front half clockwise until the bit is securely tightened. A firm grip is essential to prevent slippage.
5. To remove the bit, reverse the process.

Operating Instructions

1. Powering On/Off and Variable Speed Trigger

- To turn the tool on, depress the trigger switch.
- To turn the tool off, release the trigger switch.
- The variable speed trigger allows for speed control. The further the trigger is depressed, the higher the speed.

2. Forward/Reverse Control Button

- The forward/reverse control button is located above the trigger.
- Push the button to the left for forward rotation (drilling/fastening).
- Push the button to the right for reverse rotation (removing screws/bits).
- When the button is in the center position, the trigger is locked, preventing accidental startup.

3. Two-Speed Transmission

- The drill features a two-speed transmission for optimal speed and torque control.
- **Speed 1 (Low Speed/High Torque):** Use for heavy-duty drilling, driving large fasteners, or when maximum torque is required.
- **Speed 2 (High Speed/Low Torque):** Use for fast drilling with smaller bits or when less torque is needed.
- To change speeds, slide the gear selector switch located on top of the drill. Ensure the tool is stopped before changing speeds.

4. Clutch Settings (Torque Adjustment)

- The clutch collar, located behind the chuck, allows you to adjust the torque output.
- Rotate the collar to select one of the 15 clutch settings. Lower numbers provide less torque, suitable for driving small screws or working with soft materials to prevent over-driving or stripping.
- Higher numbers provide more torque, suitable for larger screws or harder materials.

- The drill symbol setting (often the highest number) bypasses the clutch for maximum torque, ideal for drilling applications.

5. LED Work Light

- The integrated LED light illuminates the work area when the trigger is depressed, improving visibility in dark or confined spaces.

6. Belt Hook

- The included belt hook provides convenient portability, allowing you to hang the tool on a belt or pocket when not in use.

Maintenance

1. Cleaning

- Keep the tool's ventilation slots clean to prevent overheating.
- Use a clean, damp cloth to wipe down the exterior of the tool. Do not use solvents or harsh chemicals.
- Periodically clean the chuck jaws to ensure proper gripping of bits.

2. Storage

- Store the tool and battery pack in a cool, dry place, away from direct sunlight and excessive heat.
- Ensure the battery is removed from the tool before storage.
- Store out of reach of children.

3. Lubrication

- Your DEWALT power tool is designed to operate for a long period with a minimum of maintenance. No lubrication is generally required.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery pack not installed correctly or discharged. Forward/reverse switch in center (locked) position.	Ensure battery pack is fully inserted and charged. Move forward/reverse switch to desired operating position.
Reduced power or speed.	Battery pack low on charge. Tool operating in low-speed setting for high-speed task.	Recharge battery pack. Switch to high-speed setting if appropriate for the task.
Chuck not holding bit securely.	Chuck not tightened sufficiently. Chuck jaws are dirty or worn.	Ensure chuck is tightened firmly. Clean chuck jaws. If problem persists, chuck may need replacement.
Tool stops during operation.	Overload protection activated. Battery pack overheated or discharged.	Reduce load on the tool. Allow battery pack to cool down or recharge.

Specifications

Feature	Detail
Model Number	DCD710B

Feature	Detail
Voltage	12V MAX* (10.8V Nominal)
Chuck Size	3/8 inch (10 mm)
Chuck Type	One Sleeve
No Load Speed	0-400 / 0-1500 RPM
Clutch Settings	15
Tool Weight (Bare)	2.2 lbs (1 kg)
Product Dimensions (L x W x H)	8.38" x 2.88" x 7.25"
Power Source	Battery Powered (Battery Sold Separately)
Special Feature	Variable Speed, LED Work Light, Belt Hook

*Maximum initial battery voltage (measured without a workload) is 12 volts. Nominal voltage is 10.8.

Warranty and Support

Warranty Information

This DEWALT product comes with a comprehensive warranty package:

- **3-Year Limited Warranty:** Covers defects in material or workmanship.
- **1-Year Free Service Contract:** Provides free maintenance of the tool.
- **90-Day Money Back Guarantee:** Allows for a full refund if you are not completely satisfied.

For full terms and conditions of the warranty, please refer to the official DEWALT warranty documentation or visit the DEWALT website.

Customer Support

For technical assistance, service, or to locate an authorized service center, please contact DEWALT customer support:

- **Website:** Visit www.dewalt.com for product information, FAQs, and service center locator.
- **Phone:** Refer to your region-specific DEWALT contact information for phone support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

What is the charging voltage for the DEWALT DCD710B 12V MAX* Cordless Drill?

The DEWALT DCD710B is part of the 12V MAX* system. According to the product specifications:Operating Voltage: The tool uses a battery pack with a maximum initial voltage of 12 volts (measured without a workload)...

Read full answer