DEWALT DCD709B

DEWALT ATOMIC 20V MAX* Hammer Drill Instruction Manual

Model: DCD709B | Brand: DEWALT

1. Introduction

Thank you for choosing the DEWALT ATOMIC 20V MAX* Hammer Drill. This compact and powerful tool is designed for high performance and long motor life, suitable for various drilling and driving applications, including masonry. Its ergonomic design ensures comfort and control during use.



Figure 1: DEWALT ATOMIC 20V MAX* Hammer Drill (Tool Only)

This image displays the DEWALT ATOMIC 20V MAX* Hammer Drill, highlighting its compact design and yellow and black color scheme. The drill is shown without a battery attached, emphasizing that it is sold as a tool-only unit.

2. General Safety Information

Always read and understand 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 work area clean and well lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use safety glasses or goggles. Wear hearing protection when operating power tools for extended periods.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The

correct power tool will do the job better and safer at the rate for which it was designed.

3. Included Components

The DEWALT ATOMIC 20V MAX* Hammer Drill (DCD709B) includes the following:

- (1) DCD709 20V MAX* Brushless Compact 1/2 in. Hammer Drill/Driver
- (1) Belt Clip

Note: Battery and charger are sold separately.

4. Setup

4.1 Battery Installation

1. Ensure the drill's trigger is in the OFF 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 battery release button and pull the battery pack out of the handle.

4.2 Attaching the Belt Clip

The included belt clip can be attached to either side of the drill for convenient carrying.

1. Locate the threaded hole on the side of the drill handle where you wish to attach the clip.
2. Align the belt clip with the hole and secure it using the provided screw.
3. Tighten the screw firmly with a screwdriver.

5. Operating Instructions

5.1 General Operation

The drill features a variable-speed trigger for precise control. The integrated LED foot light illuminates the work area when the trigger is pressed, providing superior visibility in dark spaces.

5.2 Speed and Torque Settings

The drill offers two speed settings and an adjustable clutch for torque control:

- **Speed Selector:** Use the switch on top of the drill to select between Speed 1 (lower RPM, higher torque) and Speed 2 (higher RPM, lower torque).
- **Adjustable Clutch:** The numbered ring near the chuck allows you to set the torque. Lower numbers provide less torque, preventing over-driving screws or stripping materials. The drill icon provides maximum torque for drilling applications.

5.3 Drill Bit Installation

The 1/2-inch ratcheting chuck provides superior gripping strength for various drill bits.

1. Rotate the chuck counter-clockwise to open the jaws.
2. Insert the drill bit into the chuck, ensuring it is centered.
3. Rotate the chuck clockwise to tighten the jaws securely around the bit. The ratcheting mechanism will click as it tightens.

5.4 Hammer Functionality

The hammer functionality is ideal for masonry drilling applications.

- Select the hammer icon on the adjustable clutch ring.
- Ensure you are using a masonry drill bit appropriate for the material.
- Apply firm, steady pressure while operating the drill.



Figure 2: Hammer Drill in Use on Masonry

This image shows the DEWALT hammer drill being used to drill into a brick wall, demonstrating its hammer functionality for masonry applications. The user is wearing safety glasses and gloves.



Figure 3: Drill in Use on Wood

This image illustrates the DEWALT drill being used to bore a hole into a wooden stud, showcasing its versatility for standard drilling tasks in wood. Wood chips are visible around the drill bit.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your DEWALT Hammer Drill.

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a clean, dry cloth to wipe down the exterior. Do not use solvents or harsh chemicals.
- **Storage:** Store the tool in a dry, secure location away from direct sunlight and extreme temperatures. Remove the battery pack before storage.
- **Battery Care:** Follow the battery manufacturer's instructions for charging and storage. Avoid fully discharging the battery.

7. Troubleshooting

Problem	Possible Cause	Solution
Drill does not turn on.	Battery not charged or improperly installed.	Ensure battery is fully charged and properly seated.
Loss of power during operation.	Battery charge is low.	Recharge the battery pack.
Drill bit slips in chuck.	Chuck not tightened sufficiently.	Retighten the chuck firmly around the drill bit.
Hammer function not engaging.	Incorrect mode selected.	Ensure hammer icon is selected on the clutch ring.

8. Specifications

Feature	Specification
Model Number	DCD709B
Power Source	Battery Powered (20 Volts)
Motor Type	Brushless
Maximum Rotational Speed	1650 RPM
Maximum Chuck Size	0.5 Inches
Item Weight	2.5 Pounds
Product Dimensions	9.25"L x 7.5"W x 3.19"H
Special Feature	Variable-speed, LED Foot Light
Hammer Functionality	Yes

9. Warranty and Support

DEWALT provides a limited warranty for its products. For detailed warranty information, product registration, or technical support, please refer to the official DEWALT website or contact their customer service. Keep your purchase receipt as proof of purchase.