

DEWALT DCD740B

DEWALT DCD740B 20-Volt MAX Li-Ion Right Angle Drill Instruction Manual

Model: DCD740B | Brand: DEWALT

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT DCD740B 20-Volt MAX Li-Ion Right Angle Drill. This tool is designed for drilling and driving applications, particularly in confined or hard-to-reach spaces where traditional drills may not fit.



Figure 1: Front view of the DEWALT DCD740B Right Angle Drill, highlighting its compact design and yellow and black color scheme.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Read and understand all instructions before operating this tool.

- **Wear Eye Protection:** Always wear appropriate eye protection that complies with current national standards.
- **Keep Work Area Clear:** Ensure your work area is well-lit and free from clutter.

- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during operation.
- **Battery Safety:** Use only DEWALT 20V MAX Li-Ion batteries. Do not incinerate or expose batteries to high temperatures.
- **Avoid Accidental Starting:** Ensure the trigger is in the OFF position before inserting the battery pack.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main parts of your right angle drill:

1. **3/8" Ratcheting Chuck:** For securing drill bits and driver bits.
2. **Right-Angle Head:** Allows access to tight spaces.
3. **Multi-Grip Trigger:** Provides variable speed control and comfort.
4. **Speed Selector Switch:** Two settings for different applications.
5. **Forward/Reverse Switch:** Controls rotation direction.
6. **LED Work Light:** Illuminates the work surface.
7. **20V MAX Battery Interface:** For connecting compatible DEWALT 20V MAX batteries.
8. **Belt Hook:** For convenient tool storage when not in use.



Figure 2: Side view of the DEWALT DCD740B Right Angle Drill, showcasing the battery slot and overall tool profile.

4. SETUP

4.1 Battery Installation and Removal

- To install the battery: Align the battery pack with the rails inside the tool's handle and slide it in until it clicks securely into place.
- To remove the battery: Press the battery release button and pull the battery pack out of the tool's handle.

4.2 Bit Installation

The DCD740B features a 3/8" ratcheting chuck for quick and easy bit changes without a key.

- To open the chuck: Rotate the chuck collar counter-clockwise until the jaws are wide enough to accept your desired bit.
- To insert a bit: Insert the drill bit or driver bit into the chuck jaws. Ensure the bit is fully seated.
- To tighten the chuck: Rotate the chuck collar clockwise until the bit is firmly secured. The ratcheting mechanism will provide an audible click when tightened.



Figure 3: A detailed view of the 3/8-inch ratcheting chuck, designed for secure bit retention and easy bit changes.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Variable Speed

The tool is activated by pressing the multi-grip trigger. The speed is variable, meaning the harder you press the trigger, the faster the drill will operate. Release the trigger to turn the tool off.



Figure 4: A detailed view of the multi-grip trigger and rubberized overmold, designed for comfort and control in various working positions.

5.2 Speed Selection

Use the speed selector switch (located on top of the tool) to choose between two speed ranges:

- **Speed 1 (Low):** 0-650 RPM, ideal for high-torque applications and larger diameter drilling.
- **Speed 2 (High):** 0-2000 RPM, suitable for faster drilling and driving smaller fasteners.



Figure 5: A close-up of the two-speed selector switch, allowing users to choose between high and low RPM settings for different applications.

5.3 Forward/Reverse Control

The forward/reverse switch is located above the trigger. Push it to the left for forward rotation (drilling/driving) and to the right for reverse rotation (removing screws/bits).

5.4 LED Work Light

The integrated LED work light automatically activates when the trigger is pressed, illuminating the work surface for improved visibility in dimly lit areas.

5.5 Using in Tight Spaces

The primary advantage of the DCD740B is its right-angle design, allowing it to fit into confined areas where standard drills cannot. Its compact front-to-back length (4.0") is specifically engineered for this purpose.



Figure 6: A user operating the DEWALT DCD740B Right Angle Drill to access a hard-to-reach area, demonstrating its compact head and ergonomic grip.

5.6 Instructional Videos

Video 1: Short demonstration highlighting the DEWALT DCD740B Right Angle Drill's ability to access and operate effectively in extremely confined spaces.

Video 2: An overview video explaining the practical advantages and applications of the DEWALT DCD740B Right Angle Drill, particularly for challenging drilling tasks.

Video 3: A detailed review of the DEWALT 20V Right Angle Cordless Drill, showcasing its features, performance, and suitability for various projects.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners. Keep ventilation slots clear of debris.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store discharged batteries for extended periods.
- **Chuck Maintenance:** Periodically inspect the chuck jaws for wear or damage. Clean any dust or debris from the chuck mechanism.

- **General Inspection:** Regularly check for loose screws, misaligned or binding moving parts, broken parts, or any other condition that may affect its safe operation.

7. TROUBLESHOOTING

If your DEWALT DCD740B is not functioning correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
Loss of power during operation	Battery is low or tool is overloaded.	Recharge battery or reduce load on the tool.
Bit slips in chuck	Chuck not tightened sufficiently or bit shank is worn.	Tighten chuck firmly. Replace worn bits.

8. SPECIFICATIONS

Feature	Specification
Brand	DEWALT
Model Number	DCD740B
Power Source	Battery Powered (20V MAX Li-Ion)
Voltage	20 Volts
Amperage	20 Amps
Maximum Rotational Speed	2000 RPM
Number of Speeds	2 (0-650 RPM / 0-2000 RPM)
Maximum Chuck Size	3/8 inches (10 mm)
Product Dimensions	4.5"L x 13"W x 3.6"H
Item Weight	3.25 pounds
Special Features	Compact, Reverse Rotation, Variable Speed

9. WARRANTY AND SUPPORT

Your DEWALT DCD740B 20-Volt MAX Li-Ion Right Angle Drill is covered by a **3-Year Limited Warranty**. For detailed warranty information, service, or technical support, please refer to the official DEWALT website or contact their customer service. Keep your proof of purchase for warranty claims.

