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DEWALT DCH263B

DEWALT 20V MAX Rotary Hammer DCH263B Instruction Manual

Model: DCH263B
Brand: DEWALT

1. Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your DEWALT 20V MAX Rotary Hammer, model DCH263B. Please read and understand all instructions before using the tool to ensure safe and efficient operation. Keep this manual for future reference.

General Safety Warnings

Always wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and gloves. Ensure your work area is clear and well-lit. Disconnect the battery pack before making any adjustments, changing accessories, or storing the tool. Refer to the separate safety manual provided with your tool for comprehensive safety guidelines.

2. Product Overview

The DEWALT 20V MAX Brushless 1-1/8-inch Rotary Hammer (DCH263B) is a high-performance cordless tool designed for demanding drilling and chipping applications in concrete and masonry. It features a brushless motor and a German-engineered mechanism, delivering 3.0 Joules of impact energy for fast and efficient work.

Key Features:

- **3.0 Joules of Impact Energy:** For rapid drilling in concrete.
- **SHOCKS ACTIVE VIBRATION CONTROL System:** Reduces user fatigue by minimizing vibration at the handles.
- **Lightweight Design:** Ideal for various applications including forming, rebar dowelling, tilt wall support, rod hanging, beam & column anchorage, and steel stanchion mounting.
- **Brushless Motor:** Ensures efficient performance and extended runtime.
- **Rotating Dial:** Allows selection between Drill, Hammer Drill, and Chip modes.
- **OSHA Table 1 Compliant:** When used with the DWH205DH On Board Extractor (sold separately).

Component Identification:

Familiarize yourself with the main components of your rotary hammer:



Image 2.1: DEWALT DCH263B Rotary Hammer with key features labeled, including SDS Plus tool holder, 3.0 Joules and 1,165 RPM, SHOCKS system, and mode selection dial (Drill, Hammer Drill, Chip).



Image 2.2: The SHOCKS Active Vibration Control System logo, indicating reduced vibration for user comfort.

Ideal Applications:



Image 2.3: A list detailing ideal applications for the DCH263B rotary hammer, including forming, #3 - #5 post installed rebar dowelling, tilt wall support, rod hanging, beam & column anchorage, and steel stanchion mounting.

3. Setup

3.1 Battery Installation and Removal

1. **To Install:** Align the battery pack with the tool's battery port. Slide the battery pack into the tool until it clicks securely into place.
2. **To Remove:** Press the battery release button (usually located on the battery pack) and pull the battery pack out of the tool.

Ensure the battery is fully charged before use. Use only DEWALT 20V MAX battery packs.

3.2 Accessory Attachment (SDS Plus Bits)

1. Clean the shank of the SDS Plus bit.
2. Pull back the chuck collar on the tool.
3. Insert the SDS Plus bit into the chuck until it locks into place. Release the chuck collar.
4. Pull on the bit to ensure it is securely seated. The SDS Plus system allows for slight axial movement of the bit, which is normal and necessary for the hammer mechanism.

3.3 Adjusting the Side Handle

The side handle can be rotated 360 degrees for optimal control and comfort. Loosen the side handle by twisting it counter-clockwise, adjust to the desired position, and then tighten by twisting clockwise until secure.

4. Operating Instructions

4.1 Mode Selection

The DCH263B features a rotating dial to select the operating mode:

- **Drill Mode (Rotation Only):** For drilling in wood, metal, and plastics without hammering action.

- **Hammer Drill Mode (Rotation with Hammering):** For drilling in concrete, brick, and other masonry materials. This is the primary mode for rotary hammer applications.
- **Chipping Mode (Hammering Only):** For light chipping, chiseling, or scaling applications. The bit will not rotate in this mode.

Rotate the mode selector dial to the desired icon before starting the tool.

4.2 Drilling and Hammering

1. Select the appropriate mode and bit for your material.
2. Hold the tool firmly with both hands, ensuring a stable stance.
3. Position the bit at the desired drilling location.
4. Press the trigger to start the tool. Apply steady, moderate pressure. Do not force the tool; allow the hammer mechanism to do the work.
5. When finished, release the trigger and wait for the bit to stop rotating before removing the tool from the workpiece.



Image 4.1: A worker demonstrating the use of the DEWALT DCH263B rotary hammer for drilling into concrete, paired with a dust extractor for a cleaner work environment.

4.3 Using the Depth Rod

The adjustable depth rod allows for precise control over drilling depth. Loosen the wing nut on the side handle, adjust the depth rod to the desired depth (measuring from the tip of the bit), and then tighten the wing nut securely.

5. Maintenance

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

5.1 Cleaning

- Keep the tool's ventilation slots clean to prevent overheating. Use compressed air to clear dust and debris.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clean the SDS Plus chuck regularly to ensure smooth bit insertion and removal.

5.2 Inspection

- Periodically inspect the power cord (if applicable) and housing for damage.
- Check that all screws are tight.
- Inspect the chuck for wear or damage.

5.3 Lubrication

The internal components of the tool are factory-lubricated and sealed. No additional lubrication is required by the user. For internal servicing, contact an authorized service center.

5.4 Storage

Store the tool in a dry, secure location out of reach of children. Remove the battery pack before storing. Avoid storing in direct sunlight or areas with extreme temperatures.

6. Troubleshooting

If your DEWALT Rotary Hammer is not functioning correctly, consult the following table for common issues and solutions.

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed	Charge battery; ensure battery is fully inserted until it clicks.
Reduced drilling performance	Worn or dull bit; incorrect mode selected	Replace bit; ensure tool is in Hammer Drill mode for masonry.
Excessive vibration	Loose side handle; damaged bit	Tighten side handle; inspect and replace bit if damaged.
Bit not locking in chuck	Chuck collar not pulled back fully; debris in chuck	Pull chuck collar back completely; clean chuck thoroughly.

If the problem persists after attempting these solutions, contact a DEWALT authorized service center.

7. Specifications

Technical specifications for the DEWALT 20V MAX Rotary Hammer DCH263B:

Specification	Value
Model Number	DCH263B
Power Source	Battery Powered (20V MAX)

Specification	Value
Impact Energy	3.0 Joules
Maximum Rotational Speed	1165 RPM
Amperage	12 Amps
Chuck Type	SDS Plus
Maximum Chuck Size	20 Millimeters
Item Weight	1 pound (tool only)
Product Dimensions (L x W x H)	17.72" x 3.94" x 7.87"
Battery Cell Type	Lithium Ion
Included Components	SDS Plus Cordless Rotary Hammer (Tool Only)

8. Warranty and Support

DEWALT stands behind its products. This DEWALT tool is covered by a limited warranty. For detailed warranty information, including terms, conditions, and registration, please refer to the warranty card included with your product or visit the official DEWALT website. For technical support, service, or to locate an authorized service center, please visit www.dewalt.com or contact DEWALT customer service.

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