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DEWALT D25733K

DEWALT Rotary Hammer D25733K User Manual

Model: D25733K

Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your DEWALT D25733K 1-7/8-inch SDS MAX Combination Hammer. Please read this manual thoroughly before operating the tool to ensure proper use and to prevent injury or damage.
The D25733K is a powerful and versatile tool designed for demanding applications such as drilling into concrete and masonry, and chipping. Its robust design and advanced features ensure high performance and user comfort.

Important Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using this power tool.

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines.
- **Wear personal protective equipment:** Always wear eye protection, hearing protection, and appropriate gloves.
- **Secure workpiece:** Ensure the material being worked on is stable and secured.
- **Maintain a firm grip:** Hold the tool firmly with both hands during operation.
- **Be aware of the E-Clutch system:** The anti-rotation E-Clutch system is designed to protect the user in bind-up situations by stopping the rotation of the bit. If the red indicator LED illuminates, the E-Clutch system has engaged. Release the trigger and restart.
- **Avoid overreaching:** Maintain proper footing and balance at all times.
- **Disconnect power:** Always unplug the tool before making any adjustments, changing accessories, or performing maintenance.
- **Use correct accessories:** Only use SDS Max bits and accessories designed for this tool.

Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, contact your supplier immediately.

- DEWALT D25733K 1-7/8-inch SDS MAX Combination Hammer
- Adjustable Side Handle
- User Manual

Setup

Attaching the Side Handle

The adjustable side handle provides additional control and comfort during operation. To attach:

1. Loosen the clamping mechanism on the side handle.
2. Slide the handle onto the front barrel of the tool.
3. Adjust the handle to a comfortable position and tighten the clamping mechanism securely.

Installing SDS Max Bits

This tool uses SDS Max bits for optimal performance.

1. Clean the shank of the SDS Max bit.
2. Pull back the chuck collar on the tool.
3. Insert the bit into the chuck until it clicks into place.
4. Release the chuck collar. Pull on the bit to ensure it is securely locked. A slight back-and-forth movement is normal for SDS Max systems.



Image: The DEWALT D25733K Rotary Hammer with its adjustable side handle attached, illustrating the overall tool configuration.

Operating Instructions

Powering On/Off

To start the tool, depress the trigger switch. To stop the tool, release the trigger switch. This tool is corded electric and requires a 120V power supply.

Mode Selection

The D25733K offers multiple operating modes for various applications:

- **Hammer Drilling Mode:** For drilling into concrete, masonry, and stone with impact.
- **Chipping Mode:** For chiseling, breaking, and demolition work.
- **Drilling Only Mode:** For drilling into wood, metal, or plastic without impact (requires appropriate drill bits and chuck adapter, sold separately).

Refer to the mode selector switch on the tool to select the desired operation. Ensure the tool is unplugged before changing modes.

E-Clutch System

The DEWALT anti-rotation E-Clutch system is an advanced safety feature. It detects the motion of the tool and shuts it down if a bind-up situation occurs, protecting the user from sudden, high-torque reactions. A red indicator LED illuminates

when the E-Clutch system is engaged. If this occurs, release the trigger, clear the bind-up, and then restart the tool.

Active Vibration Control (AVC)

The Active Vibration Control technology significantly reduces vibration felt by the user. This feature enhances comfort, reduces fatigue, and allows for longer periods of use, contributing to increased productivity.



Image: Side view of the DEWALT D25733K Rotary Hammer, showing the main body and handle, useful for identifying mode selector and trigger.

Maintenance

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

Cleaning

Keep the tool's ventilation openings clean and free from debris to prevent overheating. Use a soft, damp cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners. Periodically blow out dust and chips from the tool's interior using compressed air.

Service Brush Light

A service brush light located near the handle will illuminate to notify the user when it is time for the tool to be serviced. This indicates that the carbon brushes may need inspection or replacement, or other internal components require attention. Do not continue to operate the tool for extended periods once this light illuminates without professional inspection.

Troubleshooting

This section addresses common issues you might encounter with your DEWALT D25733K Rotary Hammer.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; power cord damaged; trigger not fully depressed.	Check power outlet and cord. Ensure trigger is fully depressed. If cord is damaged, have it replaced by a qualified service center.
E-Clutch LED illuminates and tool stops.	Tool detected a bind-up situation.	Release the trigger, remove the tool from the workpiece, clear any obstruction, and restart.
Reduced impact performance.	Worn carbon brushes; internal mechanism issue; incorrect mode selection.	Check service brush light. Ensure correct mode is selected. If problem persists, seek professional service.
Excessive vibration.	Damaged bit; internal component issue.	Inspect the bit for damage and replace if necessary. If vibration is still excessive, the Active Vibration Control system may require service.

Technical Specifications

Feature	Specification
Brand	DEWALT
Model	D25733K
Power Source	Corded Electric
Voltage	120V
Maximum Chuck Size	1.88 Inches (SDS Max)
Impact Energy	13.3 Joules
Item Weight	31.9 Pounds
Product Dimensions	25.05"L x 19.93"W x 5.52"H
Special Feature	Reverse Rotation, E-Clutch System, Active Vibration Control
Material	Metal
Country of Origin	China

Warranty and Support

DEWALT products are engineered for durability and performance. This product is covered by DEWALT's standard warranty, which typically includes a limited warranty period for defects in materials or workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official DEWALT website. For technical assistance, service, or to locate an authorized service center, please contact DEWALT customer support. Have your model number (D25733K) and serial number ready when contacting support.



Image: Close-up view of a section of the DEWALT D25733K Rotary Hammer, potentially showing a detail like the Tool Connect tag area or a control panel.

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