DEWALT D25213KI

DEWALT D25213KI D25213K SDS Hammer and DC825B 18V Impact Driver Instruction Manual

MODEL: D25213KI

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT D25213KI D-Handle SDS Rotary Hammer and the accompanying DC825B 18V Impact Driver. Please read this manual thoroughly before using the tools to ensure proper handling and to maximize their performance and lifespan.

The DEWALT D25213KI SDS Rotary Hammer is designed for heavy-duty drilling and chipping applications, offering 2.5 ft-lbs of impact energy for fast drilling. The DC825B 18V Impact Driver is a versatile tool for fastening applications, providing high torque in a compact design.

2. Safety Instructions

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

- **Read All Instructions:** Familiarize yourself with the tool's operation and safety guidelines before use.
- **Wear Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) that comply with ANSI Z87.1.
- **Wear Hearing Protection:** Prolonged exposure to noise from power tools can cause hearing damage.
- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during operation.
- **Maintain a Clean Work Area:** Cluttered areas invite accidents. Keep your work area well-lit.
- **Avoid Dangerous Environments:** Do not use power tools in damp or wet locations, or expose them to rain.
- **Dress Properly:** Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.
- **Use Proper Extension Cords:** Ensure extension cords are in good condition and are rated for outdoor use if applicable.
- **Disconnect Tools:** Always disconnect the tool from the power source before making adjustments, changing accessories, or storing.

- **Stay Alert:** Watch what you are doing and use common sense. Do not operate tools when tired or under the influence of drugs, alcohol, or medication.

3. Product Overview and Components

The DEWALT D25213KI SDS Hammer is a powerful tool designed for concrete and masonry applications. It features a D-handle for comfortable grip and control, and a three-mode selector for various operations.



Image: DEWALT D25213KI SDS Hammer, showing the main body, D-handle, side handle, and depth rod. The tool is yellow and black with the DEWALT logo clearly visible.

Key Components (D25213KI SDS Hammer):

- **D-Handle:** Ergonomic grip for control.
- **Mode Selector:** Allows switching between rotary drilling, hammer drilling, and chipping modes.
- **Side Handle:** Provides additional stability and control during operation.
- **Depth Rod:** Used to set the desired drilling depth.
- **SDS-Plus Chuck:** For quick and secure bit changes.
- **Variable Speed Trigger:** For precise control over drilling speed.

Key Components (DC825B 18V Impact Driver):

- **18V Motor:** Provides powerful fastening.
- **Hex Chuck:** For quick bit insertion.
- **Variable Speed Trigger:** For precise control.
- **Forward/Reverse Switch:** For driving and removing fasteners.

4. Setup

4.1. SDS Hammer Setup:

1. **Attach Side Handle:** Loosen the side handle clamp, slide the handle onto the tool's collar, and tighten securely in the desired position.
2. **Insert Depth Rod:** Slide the depth rod through the hole in the side handle. Adjust to the desired drilling depth and secure.
3. **Insert SDS-Plus Bit:** Clean the shank of the SDS-Plus bit. Pull back the chuck collar, insert the bit until it clicks into place, then release the collar. Pull on the bit to ensure it is locked.
4. **Select Mode:** Rotate the mode selector to the desired operation: drilling (rotary only), hammer drilling (rotary with

hammer action), or chipping (hammer only).

4.2. Impact Driver Setup:

1. **Install Battery:** Slide a charged 18V DEWALT battery pack into the base of the tool until it clicks securely.
2. **Insert Hex Bit:** Pull the chuck collar forward, insert the 1/4" hex shank bit fully, and release the collar. The bit will lock into place.
3. **Set Direction:** Push the forward/reverse switch to the desired direction (forward for driving, reverse for removing).

5. Operating Instructions

5.1. Operating the SDS Hammer:

- **Hammer Drilling:** For drilling in concrete, brick, and masonry. Select the hammer drilling mode. Apply firm, steady pressure. Do not force the tool; let the hammer action do the work.
- **Rotary Drilling:** For drilling in wood, metal, and plastic. Select the rotary drilling mode. Use appropriate drill bits for the material.
- **Chipping/Chiseling:** For light demolition and chipping applications. Select the chipping mode. Use a chisel bit. Position the tool at the desired angle and apply pressure.
- **Variable Speed:** The trigger allows for variable speed control. Squeeze the trigger gently for lower speeds and harder for higher speeds. This is useful for precise hole placement.

5.2. Operating the 18V Impact Driver:

- **Driving Fasteners:** Ensure the forward/reverse switch is in the forward position. Place the bit on the fastener head and squeeze the trigger. The impact mechanism will engage as resistance increases.
- **Removing Fasteners:** Set the forward/reverse switch to the reverse position. Place the bit on the fastener head and squeeze the trigger.
- **Controlling Speed:** The variable speed trigger allows you to control the speed and torque. Start slowly for better control and increase speed as needed.

6. Maintenance

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

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Cord Inspection (SDS Hammer):** Regularly inspect the power cord for damage, cuts, or fraying. If damaged, have it repaired by a qualified service center.
- **Chuck Maintenance (SDS Hammer):** Periodically clean the SDS-Plus chuck and apply a small amount of grease to the bit shank to ensure smooth operation and prevent wear.
- **Battery Care (Impact Driver):** Store batteries in a cool, dry place. Do not store fully discharged batteries. Charge them regularly.
- **Storage:** Store tools in a dry, secure location out of reach of children.
- **Service:** For any repairs or internal maintenance, contact an authorized DEWALT service center.

7. Troubleshooting

If you encounter issues with your DEWALT tools, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Tool does not start (SDS Hammer)	No power supply; Damaged cord; Faulty switch	Check power outlet and cord; Inspect cord for damage; Contact service center if switch is faulty.
Tool does not start (Impact Driver)	Battery not charged; Battery not properly inserted; Faulty switch	Charge battery; Re-insert battery securely; Contact service center if switch is faulty.
Reduced performance/power	Worn carbon brushes (SDS Hammer); Dull bit; Overheating	Have brushes inspected/replaced; Replace or sharpen bit; Allow tool to cool down.
Excessive vibration	Bent bit; Internal damage	Replace bit; Contact service center for inspection.

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

8. Specifications

Technical specifications for the DEWALT D25213KI SDS Hammer and DC825B Impact Driver:

Feature	Specification
Model (SDS Hammer)	D25213KI
Impact Energy (SDS Hammer)	2.5 ft-lbs
Motor (SDS Hammer)	8.0 Amp
Voltage (Impact Driver)	18 Volts
Included Components	SDS Hammer, 18V Impact Driver (bare-tool)
Brand	DEWALT
UPC	885911247207

9. Warranty and Support

DEWALT products are engineered to the highest standards and are backed by a comprehensive warranty. For specific warranty details, including coverage period and terms, 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. Keep your purchase receipt as proof of purchase for warranty claims.

- **DEWALT Official Website:** www.dewalt.com
- **Customer Service:** Refer to the contact information provided on the DEWALT website or your product packaging.

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