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› DEWALT 20V MAX Cordless Drill and Impact Driver Combo Kit (DCK277D2) User Manual

DEWALT DCK277D2

DEWALT 20V MAX Cordless Drill and Impact Driver Combo Kit (DCK277D2) User Manual

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your DEWALT 20V MAX Cordless Drill and Impact Driver Combo Kit, model DCK277D2. Please read all instructions carefully before operating the tools to ensure proper function and to prevent injury.

KIT CONTENTS

Your DEWALT DCK277D2 combo kit includes the following components:

KIT INCLUDES



DCD777
20V MAX* 1/2 IN. COMPACT
DRILL/DRIVER



DCF787
20V MAX* 1/4 IN. IMPACT DRIVER



(2) DCB203
20V MAX* 2AH BATTERY



DCB1102
12V MAX*/20V MAX*/
FLEXVOLT®
2AMP CHARGER



SOFT BAG

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18 volts.

All components included in the DEWALT DCK277D2 combo kit.

- **(1) DCD777 20V MAX* Brushless Drill/Driver:** A versatile tool for drilling and driving fasteners.
- **(1) DCF787 20V MAX* Brushless 1/4 in. Cordless Impact Driver:** Designed for driving fasteners with high torque.
- **(2) DCB203 20V MAX* Compact Lithium-Ion 2.0Ah Battery Packs:** Provides power to both tools.
- **(1) DCB1102 Charger:** For recharging the 20V MAX* battery packs.
- **(1) Contractor Bag:** For convenient storage and transport of the kit.

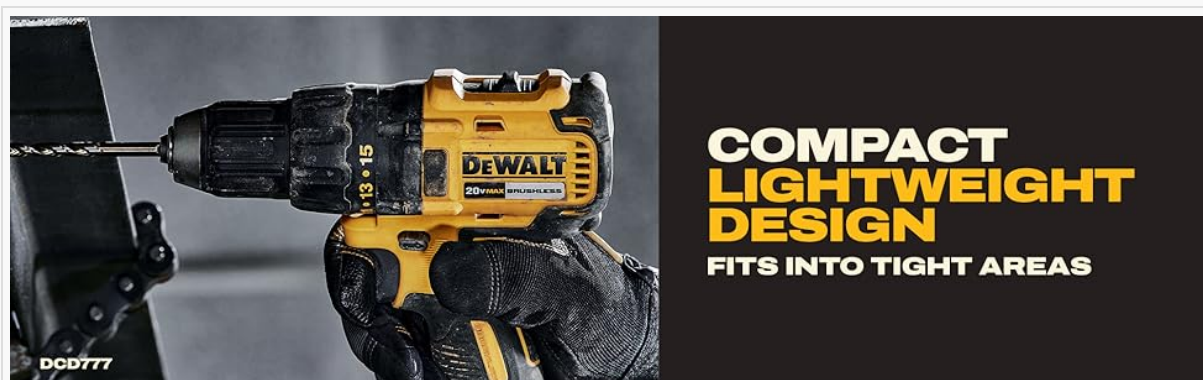
DCD777 DRILL/DRIVER OVERVIEW

The DCD777 drill/driver features a compact design and brushless motor for efficient performance. Key features include:



Key features of the DEWALT DCD777 Drill/Driver.

- **1/2 inch (13mm) Single Sleeve Ratcheting Chuck:** For secure bit gripping.
- **Brushless Motor:** Provides extended runtime and durability.
- **Ergonomic Handle:** Designed for comfortable grip and control.
- **LED Light:** Illuminates the work area for improved visibility.



The compact design of the DCD777 allows access to tight areas.

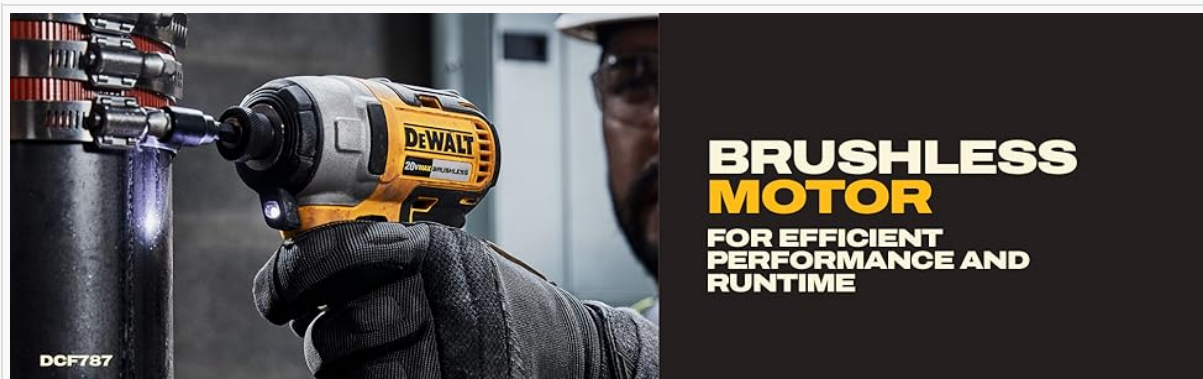
DCF787 IMPACT DRIVER OVERVIEW

The DCF787 impact driver offers high torque for demanding fastening applications. Its features include:



Key features of the DEWALT DCF787 Impact Driver.

- **1/4 inch (6.35mm) Hex Chuck:** For quick bit changes.
- **Brushless Motor:** Ensures efficient power delivery and longer tool life.
- **Ergonomic Handle:** Provides comfort during prolonged use.
- **LED Light:** Enhances visibility in dimly lit work environments.
- **High Torque Output:** Delivers up to 1500 in-lbs of torque for tough tasks.



The brushless motor of the DCF787 provides efficient performance.

BATTERY AND CHARGER INFORMATION

The kit includes two DCB203 20V MAX* Lithium-Ion battery packs and a DCB1102 charger.



**COMPATIBLE WITH
20V MAX* TOOLS
AND CHARGERS**



**STATE OF CHARGE
INDICATOR**

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18 volts.

DEWALT DCB203 battery with state of charge indicator.

- **Battery Compatibility:** The DCB203 batteries are compatible with all DEWALT 20V MAX* tools and chargers.
- **State of Charge Indicator:** Batteries feature an indicator to show remaining charge.
- **DCB1102 Charger:** Designed to charge 12V, 18V, and 20V MAX* Lithium-Ion battery packs.



The DCB1102 charger for your DEWALT 20V MAX* batteries.

SETUP

1. Initial Battery Charging

1. Connect the DCB1102 charger to a standard electrical outlet.
2. Slide a DCB203 battery pack onto the charger until it clicks into place.
3. Allow the battery to charge fully. The indicator light on the charger will show the charging status. Refer to the charger manual for specific light patterns.

2. Battery Installation and Removal

- **To Install:** Align the battery pack with the tool's battery port and slide it in until it locks securely.
- **To Remove:** Press the battery release button and slide the battery pack out of the tool.

3. Bit Installation (DCD777 Drill/Driver)

1. Rotate the chuck counter-clockwise to open the jaws.

2. Insert the drill bit or driver bit into the chuck.
3. Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly held.

4. Bit Installation (DCF787 Impact Driver)

1. Pull the collar of the 1/4 inch hex chuck forward.
2. Insert the 1/4 inch hex shank bit into the chuck.
3. Release the collar. The bit will lock into place. Pull on the bit to ensure it is securely fastened.

OPERATING INSTRUCTIONS

1. General Operation

- **Trigger Switch:** Squeeze the trigger to turn the tool on. Release to turn off.
- **Variable Speed:** The trigger switch allows for variable speed control. Pressing the trigger further increases the speed.
- **Forward/Reverse Button:** Located above the trigger, this button controls the direction of rotation. Push left for forward, right for reverse. Center position locks the trigger.
- **LED Work Light:** The integrated LED light activates when the trigger is pressed, illuminating the work surface. It remains on for approximately 20 seconds after the trigger is released.

2. DCD777 Drill/Driver Specifics

- **Clutch Settings:** The adjustable clutch ring allows you to select the desired torque setting for driving screws. Higher numbers provide more torque. Use the drill symbol setting for drilling applications.
- **Speed Selector:** A switch on top of the tool allows selection between two speed ranges: Low (for high torque applications) and High (for faster drilling).

3. DCF787 Impact Driver Specifics

- The impact driver delivers high rotational force and rapid impacts to drive fasteners quickly and efficiently. No clutch adjustment is typically needed as the impact mechanism handles varying resistance.

MAINTENANCE

1. Cleaning

- Keep the tool's ventilation slots clean to prevent overheating.
- Use a soft, damp cloth to clean the exterior of the tools and batteries. Do not use harsh chemicals or abrasive cleaners.
- Never immerse the tools or batteries in liquid.

2. Storage

- Store tools and batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure batteries are partially charged before storing for extended periods.
- Store tools in the provided contractor bag to protect them from dust and damage.

3. Battery Care

- Do not store batteries in a discharged state. Recharge them promptly after use.
- Avoid exposing batteries to water or extreme heat.

- If a battery pack is damaged, do not use it. Contact DEWALT service for replacement.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
Reduced power or runtime.	Battery charge is low or battery is old.	Recharge battery. Consider replacing old batteries.
Drill bit slips in chuck.	Chuck not tightened sufficiently.	Retighten chuck firmly around the bit. Ensure bit shank is clean.
Impact driver bit falls out.	Hex chuck collar not fully engaged.	Ensure bit is fully inserted and collar snaps back into place.
Tool overheats.	Blocked ventilation slots or prolonged heavy use.	Clear ventilation slots. Allow tool to cool down. Reduce load.

SPECIFICATIONS

Detailed specifications for the DEWALT DCK277D2 combo kit components:

Feature	Specification
Brand	DEWALT
Model Number	DCK277D2
Voltage	20V MAX*
Item Weight	8.8 pounds (total kit)
Battery Type	Lithium Ion (DCB203, 2.0Ah)
Number of Batteries	2
DCD777 Chuck Size	1/2 inch (13mm)
DCF787 Chuck Size	1/4 inch Hex
DCF787 Max Torque	1500 in-lb
Max Rotational Speed	2800 rpm (DCF787)
Power Source	Battery Powered
Charger Model	DCB1102

WARRANTY AND SUPPORT

Your DEWALT DCK277D2 combo kit is backed by a comprehensive warranty and support program:

- **3-Year Limited Warranty:** Covers defects in material or workmanship for three years from the date of purchase.
- **1-Year Free Service Contract:** DEWALT will maintain the tool and replace worn parts caused by normal use, for free, any time during the first year after purchase.
- **90-Day Money Back Guarantee:** If you are not completely satisfied with the performance of your DEWALT Power Tool, Laser, or Nailer for any reason, you can return it within 90 days from the date of purchase for a full refund.

For warranty claims, service, or technical support, please refer to the official DEWALT website or contact their customer service department directly. Keep your proof of purchase for warranty validation.