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DEWALT DCK661D1M1

DEWALT 20V MAX Cordless Drill Combo Kit User Manual

Model: DCK661D1M1 & DWA123AMQ4

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT 20V MAX Cordless Drill Combo Kit (DCK661D1M1) with the 111PC Master Set (DWA123AMQ4). This comprehensive kit includes a variety of powerful cordless tools and a versatile accessory set designed for a wide range of applications.

Please read this manual thoroughly before using the product to ensure proper handling and to maximize the lifespan of your tools.



Image: Overview of the DEWALT 20V MAX Cordless Drill Combo Kit, including the 6 power tools, batteries, charger, and the 111PC Master Set of accessories.

2. General Safety Information

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

2.1. Work Area Safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2. Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

2.3. Personal Safety

- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.

3. Package Contents and Components

Your DEWALT 20V MAX Cordless Drill Combo Kit (DCK661D1M1) and 111PC Master Set (DWA123AMQ4) includes the following items:

- (1) DCD771 20V MAX Cordless Drill/Driver
- (1) DCS381 20V MAX Reciprocating Saw
- (1) DCS393 20V MAX 6-1/2" Circular Saw
- (1) DCF885 20V MAX Impact Driver
- (1) DCS356 20V MAX Oscillating Multi-Tool
- (1) DCG412 20V MAX 4-1/2" Grinder
- (2) DEWALT 20V MAX Lithium-Ion Batteries (e.g., 2.0Ah or 4.0Ah)
- (1) DEWALT Charger
- (1) Contractor Bag
- (1) DWA123AMQ4 111PC Master Set, including:
    - (1) DWA2FTS100 100 Pc. Screwdriver Bit Set with Tough Case®
    - (1) DWA161218 6-1/2 In. 18-Tooth Circular Saw Blade
    - (1) DW4898 10 Pc. Bi-Metal Reciprocating Saw Blades



Image: Detailed view of the six DEWALT 20V MAX cordless power tools, two batteries, and charger included in the DCK661D1M1 combo kit, along with the contractor bag.

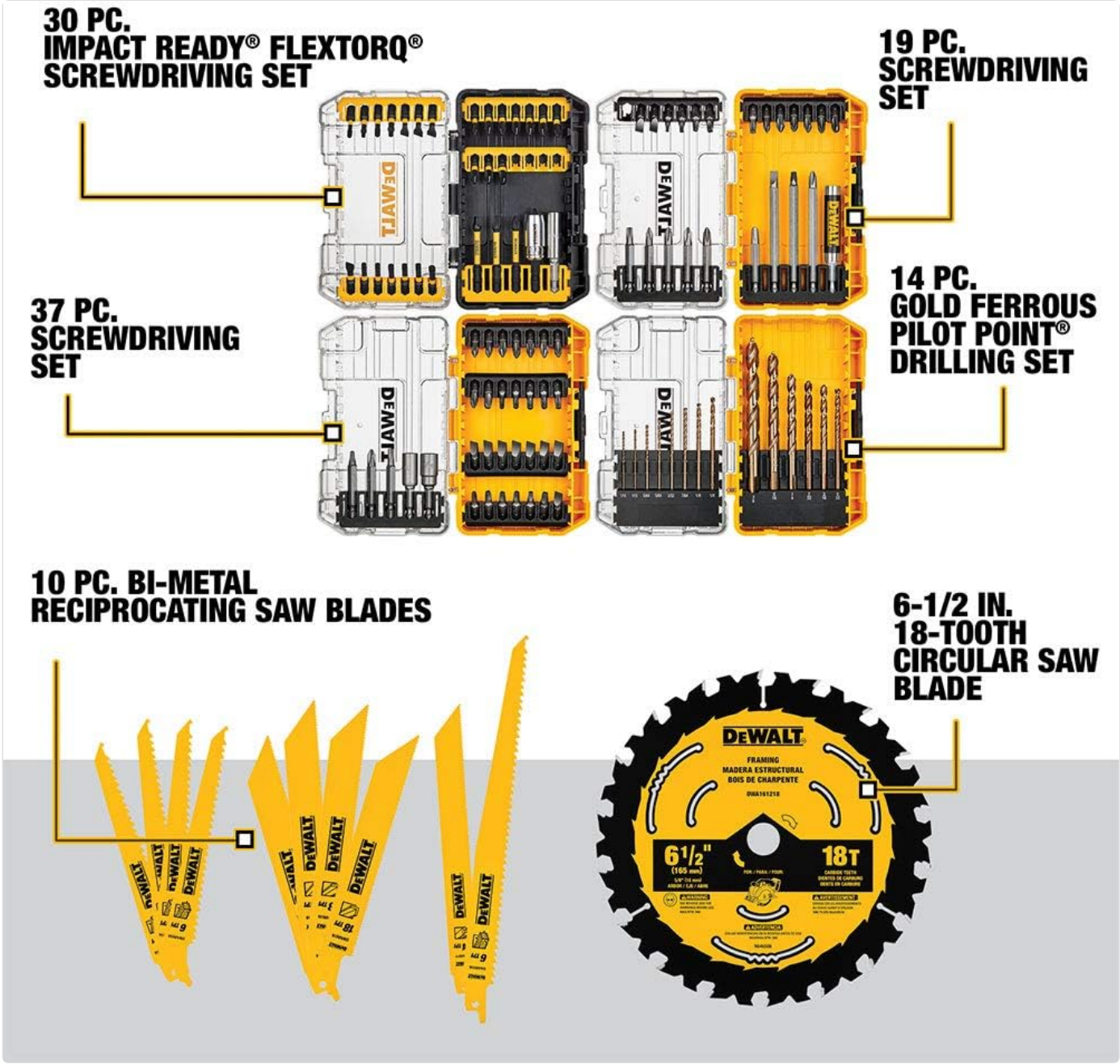


Image: Visual breakdown of the 111PC Master Set, showing various screwdriver bits, drill bits, the 6-1/2 inch circular saw blade, and reciprocating saw blades.

4. Setup and Initial Use

4.1. Battery Charging

1. Connect the charger to a standard electrical outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. The charger indicator light will show the charging status (e.g., solid red for charging, solid green for fully charged).
4. Allow the battery to fully charge before first use.

4.2. Attaching Batteries to Tools

To attach a battery, align the battery pack with the tool's battery port and slide it in until it clicks securely into place. To remove, press the battery release button and slide the battery out.

4.3. Installing Accessories (General Guidelines)

Always ensure the tool is off and the battery is removed before installing or changing accessories.

- **Drill/Driver (DCD771):** Open the chuck jaws by rotating the chuck counter-clockwise. Insert the drill bit or screwdriver bit into the chuck, ensuring it is centered. Tighten the chuck by rotating it clockwise until the bit is firmly secured.



Image: Close-up view of the DEWALT DCD771 20V MAX Cordless Drill/Driver, highlighting its chuck and ergonomic design.

- **Impact Driver (DCF885):** Pull the collar forward, insert the 1/4" hex shank bit, and release the collar to lock the bit in place.
- **Circular Saw (DCS393):** Refer to the specific tool manual for blade installation. Typically involves loosening an arbor bolt, installing the blade with teeth facing the correct direction, and re-tightening.
- **Reciprocating Saw (DCS381):** Most models feature a tool-free blade change. Lift the blade clamp lever, insert the blade, and release the lever to secure.
- **Oscillating Multi-Tool (DCS356):** Attach various accessories (sanding pads, cutting blades) using the tool-free accessory change system.
- **Grinder (DCG412):** Use the spindle lock button to hold the spindle, then use the wrench to loosen/tighten the flange nut to install grinding or cutting wheels.

5. Operating Instructions

Before operating any tool, ensure you have read and understood the safety guidelines in Section 2. Always wear appropriate personal protective equipment.

5.1. General Operation

- **Power On/Off:** Most tools are activated by pressing the trigger switch. Release the trigger to turn off.
- **Variable Speed:** The trigger switch often provides variable speed control; press lightly for slower speeds and harder for faster speeds.
- **Direction Control:** A forward/reverse button or lever is typically located near the trigger for changing the direction of rotation (e.g., on drills and impact drivers).
- **Workpiece Security:** Always secure your workpiece with clamps or a vise to prevent movement during operation.

5.2. Specific Tool Usage Tips

- **Drill/Driver:** Select the appropriate torque setting on the clutch collar for driving screws to prevent over-driving. Use the drill mode for drilling holes.
- **Circular Saw:** Ensure the blade guard operates freely. Set the depth of cut and bevel angle as needed for your application.
- **Reciprocating Saw:** Use the appropriate blade for the material being cut. Apply firm pressure but let the tool do the work.
- **Impact Driver:** Ideal for driving long screws and fasteners. The impacting mechanism provides high torque without kickback.
- **Oscillating Multi-Tool:** Versatile for cutting, sanding, scraping, and grinding in tight spaces. Choose the correct accessory for the task.
- **Grinder:** Use for grinding, cutting, and polishing metal or masonry. Always use the side handle for control and ensure the guard is properly positioned.

6. Maintenance and Storage

6.1. Cleaning

- Regularly clean the ventilation slots of your tools to prevent overheating. Use a soft brush or compressed air.
- Wipe down tool surfaces with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep chucks, collets, and blade clamps free of debris.

6.2. Battery and Charger Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Charge them periodically if not in use.
- Inspect battery terminals and charger contacts for dirt or damage.

6.3. Storage

Store all tools, batteries, and accessories in the provided contractor bag or a secure, dry location, out of reach of children. Ensure tools are clean and free of debris before storage.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, contact DEWALT customer service.

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely inserted.
Tool loses power during operation.	Battery is low or tool is overloaded.	Recharge battery. Reduce load on the tool.
Drill bit/screwdriver bit slips in chuck.	Chuck not tightened sufficiently or bit shank is dirty/damaged.	Re-tighten chuck firmly. Clean or replace bit.
Saw blade binds or smokes.	Incorrect blade for material, dull blade, or improper cutting technique.	Use correct, sharp blade. Ensure workpiece is stable and feed rate is appropriate.

8. Specifications

Feature	Detail
Brand	DEWALT
Model Number	DCK661D1M1
Style	w/ 111pc Master Set
Power Source	Battery Powered
Voltage	20 Volts MAX
Maximum Power (DCD771 Drill)	300 Unit Watts Out (UWO)
Battery Cell Type	Lithium Ion
Included Components	6-Tool Combo Kit and 111PC Master Set

9. Warranty and Support

DEWALT provides a limited warranty for its products. 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 contact DEWALT customer service or visit www.dewalt.com.
Please have your model number (DCK661D1M1) and serial number ready when contacting support.

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