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> SKIL *PWRCore 20 Hammer Drill User Manual

Skil HD527803

SKIL *PWRCore 20 Hammer Drill User Manual

Model: HD527803

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your SKIL *PWRCore 20 Hammer Drill. Please read this manual thoroughly before using the tool.

SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep work area clean and well lit. 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.

- Wear eye protection and hearing protection when operating.
- Secure workpiece. Use clamps or a vise to hold the workpiece.
- Avoid accidental starting. Ensure the switch is in the off-position before inserting battery pack.
- Do not force the power tool. Use the correct power tool for your application.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

COMPONENTS AND WHAT'S IN THE BOX

Your SKIL *PWRCore 20 Hammer Drill package includes the following items:

- SKIL *PWRCore 20 Hammer Drill (Model: HD527803)
- 2.0Ah PWRCore 20 Lithium Battery
- PWRCore 20 Battery Charger



Image: The SKIL *PWRCore 20 Hammer Drill, its 2.0Ah battery, and the accompanying charger, as typically included in the product package.

SETUP

1. Charging the Battery

1. Connect the charger to a standard electrical outlet.
2. Slide the 2.0Ah PWRCore 20 Lithium Battery onto the charger until it clicks into place.
3. Allow the battery to charge fully. The charger's indicator light will change to confirm full charge.

2. Installing the Battery

1. Align the battery with the battery port on the base of the hammer drill handle.
2. Slide the battery into the port until it locks securely into place. Ensure it is fully seated to prevent accidental dislodgement during operation.



Image: A side view of the SKIL *PWRCore 20 Hammer Drill with the PWRCore 20 Lithium Battery properly installed at the base of the handle.

OPERATING INSTRUCTIONS

1. Installing Drill Bits

1. Ensure the drill is off and the battery is removed.
2. Twist the chuck counter-clockwise to open the jaws.
3. Insert the drill bit fully into the chuck.
4. Twist the chuck clockwise to tighten the jaws securely around the bit. Hand-tighten firmly.

2. Selecting Mode and Speed

The drill features multiple modes and speed settings for various applications:

- **Drill Mode:** For general drilling in wood, metal, and plastic.
- **Hammer Drill Mode:** For drilling into masonry, concrete, and brick.
- **Driving Mode:** For driving screws. Adjust the clutch setting to prevent over-driving or stripping.
- **Speed Selector:** Use the switch on top of the drill to select between low speed (for high torque applications like driving screws or large diameter drilling) and high speed (for faster drilling with smaller bits).



Image: A detailed view of the chuck and the mode selector ring on the SKIL *PWRCore 20 Hammer Drill, showing the various settings for drilling, hammer drilling, and driving.

3. Operation

1. Ensure the battery is installed and the desired mode and speed are selected.
2. Position the drill bit on the workpiece.
3. Press the trigger to start the drill. Variable speed is controlled by the amount of trigger depression.
4. Apply steady, even pressure. For hammer drilling, additional pressure may be required.
5. Release the trigger to stop the drill.



Image: A user demonstrating the SKIL *PWRCore 20 Hammer Drill in action, drilling into a brick wall, highlighting its hammer drill capability.



Image: A user operating the SKIL *PWRCore 20 Hammer Drill to drive a screw into a wooden beam, showcasing its versatility for various tasks.

MAINTENANCE

Cleaning

- Always disconnect the battery before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the drill. Do not use harsh chemicals or abrasive cleaners.
- Clear any dust or debris from the ventilation openings using compressed air or a soft brush.

Storage

- Store the drill and battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure the battery is partially charged (not fully depleted or fully charged) before long-term storage to prolong its lifespan.

- Keep out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly installed.	Charge battery fully. Ensure battery is securely clicked into place.
Loss of power during operation.	Battery low or tool overloaded.	Recharge battery. Reduce pressure or use a larger drill bit/different mode for the task.
Bit slips in chuck.	Chuck not tightened sufficiently or bit shank is dirty.	Retighten chuck firmly. Clean the drill bit shank before inserting.
Excessive vibration or noise.	Damaged drill bit or internal issue.	Replace damaged drill bit. If problem persists, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	Skil
Model Name	HD527803
Power Source	Corded Electric, Battery Powered
Voltage	20 Volts
Amperage	7.5 Amps
Maximum Chuck Size	0.5 Inches
Item Weight	5.1 Pounds
Maximum Power	850 Watts
Special Feature	Brushless Motor, Rechargeable
UPC	039725997272

WARRANTY AND SUPPORT

For warranty information, product registration, or technical support, please refer to the official SKIL website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Visit the official SKIL store for more information: [SKIL Official Store](#)



