

Manuals.plus /

› SASKATE /

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SASKATE SASKATE4h13cygkpg

SASKATE 21V Cordless Electric Impact Wrench User Manual

Model: SASKATE4h13cygkpg

1. INTRODUCTION

Thank you for choosing the SASKATE 21V Cordless Electric Impact Wrench. This powerful tool is designed for efficient fastening and loosening tasks in various applications, including automotive repair, machinery manufacturing, and building construction. Featuring a brushless motor and a high-capacity lithium battery, it delivers stable performance and high efficiency. Please read this manual thoroughly before operation to ensure safe and effective use of your new impact wrench.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

General Power Tool Safety

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts.
- **Tool Use and Care:** 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.

Battery Pack Safety

- Only use the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery

terminals together may cause burns or a fire.

- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

3. PRODUCT COMPONENTS

The SASKATE 21V Cordless Electric Impact Wrench typically includes the following components:

- Impact Wrench Unit
- 21V Lithium Battery Pack (x2)
- Battery Charger
- Assorted Drill Bits and Sockets (depending on package)
- Carrying Case



Figure 3.1: Front view of the SASKATE 21V Cordless Electric Impact Wrench with a drill bit installed.



Figure 3.2: The complete SASKATE impact wrench kit, including the wrench, two batteries, charger, and various accessories, neatly organized in its carrying case.

4. SETUP

4.1 Battery Charging

1. Connect the charger to a power outlet.
2. Insert the 21V Lithium Battery into the charger.
3. The charging light on the charger will illuminate, indicating that charging is in progress.
4. Upon completion of charging, the internal electronic switch will automatically activate to prevent overcharging.
5. If the battery is hot (e.g., immediately after heavy use), charging will not occur immediately. An orange standby light will illuminate until the battery cools down, at which point charging will start automatically.
6. After charging is complete, the charging light will begin to flash rapidly.

Note: For new battery packs or batteries that have been left unused for an extended period, ensure they are fully charged before first use.

4.2 Installing the Drill Bit/Socket

1. Ensure the impact wrench is turned off and the battery is removed for safety.
2. Insert the drill bit or socket into the installation hole of the chuck.
3. Slightly rotate the bit/socket to align it with the mating position.
4. Push the drill bit/socket in as far as possible until it is securely seated.
5. Pull on the drill bit/socket to ensure it is firmly secured before operation.



Figure 4.1: Close-up view of the impact wrench chuck with a drill bit securely installed, ready for use.

4.3 Removing the Drill Bit/Socket

1. Ensure the impact wrench is turned off and the battery is removed.
2. Press down on the chuck cover.
3. While holding the chuck cover down, pull out the drill bit or socket.

5. OPERATING INSTRUCTIONS

The SASKATE 21V Cordless Electric Impact Wrench is designed for high-efficiency fastening and dismantling operations.

- **Power On/Off:** The tool is activated by pressing the trigger switch. Release the trigger to turn off the tool.
- **Variable Speed Control:** The trigger switch provides variable speed control. Pressing the trigger further increases the rotational speed and impact frequency.
- **Direction of Rotation:** Use the forward/reverse selector switch (typically located above the trigger) to choose between forward (tightening) and reverse (loosening) rotation. Ensure the tool has come to a complete stop before changing the direction of rotation.
- **Application:** Apply the appropriate drill bit or socket for the task. Position the tool firmly against the fastener or workpiece. Engage the trigger to begin operation. The tool's strong torsion output and high impact frequency (0-3200Hz) will facilitate quick completion of tasks.



Figure 5.1: Side view highlighting the ergonomic handle and trigger mechanism for precise control during operation.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your impact wrench.

- **Cleaning:** Keep the tool's ventilation openings clean and free from debris to prevent overheating. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
 - **Battery 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.
 - **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. If any damage is found, discontinue use and have it repaired by a qualified service technician.
 - **Storage:** When not in use, store the impact wrench and its accessories in the provided carrying case in a secure, dry place out of reach of children.
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7. TROUBLESHOOTING

This section addresses common issues you might encounter with your SASKATE impact wrench.

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted into the tool.
Battery not charging	Battery is too hot after heavy use. Charger not connected.	Allow battery to cool down. Ensure charger is properly plugged into an outlet and the battery.
Reduced power or performance	Battery charge is low. Incorrect accessory for the task.	Recharge the battery. Use the appropriate size and type of drill bit or socket for the application.
Bit/Socket not secure	Bit/Socket not fully inserted or chuck not engaged.	Follow installation steps carefully, ensuring the bit/socket is pushed in as far as possible and the chuck is engaged.

8. SPECIFICATIONS

Technical specifications for the SASKATE 21V Cordless Electric Impact Wrench:

Feature	Specification
Brand	SASKATE
Model Number	SASKATE4h13cygkpg
Power	550W
Maximum Torsion	280N·m
Chuck Diameter	Approx. 12.5mm / 0.49in
Impact Frequency	0-3200Hz
Speed	0-2700rpm
Battery Type	21V Lithium Battery
Item Weight	9.35 pounds
Package Dimensions	14.17 x 11.81 x 3.54 inches

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact SASKATE customer service directly. Keep your proof of purchase for any warranty claims.

For further assistance, please visit the official SASKATE website or contact their customer support channels.