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Klutch CRW309-3/8

Klutch 12V Ratchet Wrench Kit Instruction Manual

Model: CRW309-3/8 | Brand: Klutch

1. Introduction

Thank you for purchasing the Klutch 12V Ratchet Wrench Kit. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage. Keep this manual for future reference.



This image displays the complete Klutch 12V Ratchet Wrench Kit, including the cordless ratchet, two lithium-ion batteries, a rapid battery charger, a durable carrying case, and a set of ten assorted sockets.

2. Safety Information

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

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use appropriate safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when necessary. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the power tool. Use the correct tool for your application. Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with tools other than those specified. When battery pack is not in use, keep it away from other metal objects.

3. Package Contents

Verify that all items listed below are included in your Klutch 12V Ratchet Wrench Kit:

- (1) 12 Volt Cordless Ratchet Wrench
- (2) 12 Volt, 2.0Ah Lithium-ion Batteries
- (1) 2.4 Amp Rapid Battery Charger
- (1) Carrying Case
- (10) Sockets: 1/4in., 5/16in., 11/32in., 3/8in., 7/16in., 15/32in., 1/2in., 5/8in., 11/16in., 3/8in.-to-1/4in.-drive adapter

4. Setup

4.1. Charging the Battery

Before first use, fully charge both 12V Lithium-ion batteries. The charger is designed for rapid charging.

1. Connect the 2.4 Amp rapid battery charger to a standard electrical outlet.
2. Slide a 12V battery pack into the charger. Ensure it clicks into place.
3. The charger's indicator light will show the charging status (refer to charger manual for specific light indications).
4. Once fully charged, remove the battery pack from the charger.



The Klutch 2.4 Amp rapid battery charger, designed for quick and efficient charging of the 12V lithium-ion batteries. Note the indicator lights for charging status.

4.2. Installing/Removing Battery Pack

1. To install, align the battery pack with the tool's battery port and slide it in until it clicks securely into place.
2. To remove, press the battery release button (if present) and slide the battery pack out.

4.3. Attaching Sockets

1. Select the appropriate socket size for your application.
2. Push the socket firmly onto the 3/8-inch square drive of the ratchet wrench until it is securely seated.
3. To remove, pull the socket off the drive.




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A detailed side view of the Klutch 12V cordless ratchet wrench, highlighting its ergonomic design and compact head.





A close-up view of the 3/8-inch drive head of the Klutch ratchet wrench, illustrating the square drive for socket attachment.

5. Operating Instructions

5.1. Powering On/Off

The ratchet wrench is activated by pressing the trigger switch. Releasing the trigger will turn the tool off.

5.2. Forward/Reverse Rotation

A directional switch (typically a lever or button near the head) controls the direction of rotation. Push it one way for forward (tightening) and the other way for reverse (loosening).

5.3. Using the LED Work Light

The built-in LED work light automatically illuminates the work area when the trigger is pressed, providing improved visibility in dark or confined spaces.



An individual using the Klutch ratchet wrench to work on an engine, demonstrating the utility of its compact design and the integrated LED work light for improved visibility in confined spaces.


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KLUTCH

Another perspective of the Klutch ratchet wrench in action within an automotive engine bay, showcasing its maneuverability.

6. Maintenance

6.1. Cleaning

Regularly clean the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings free of dust and debris.

6.2. Battery Care and Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge batteries to approximately 50% capacity.
- Do not store the tool with a battery installed for extended periods.

6.3. Tool Storage

When not in use, store the Klutch Ratchet Wrench Kit in its original carrying case in a secure, dry location, out of reach of children.


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The Klutch ratchet wrench kit neatly stored within its durable carrying case, demonstrating its portability and ease of storage, even in a work environment.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely inserted into the tool.
Reduced power or performance.	Low battery charge.	Recharge the battery.
Tool stops during operation.	Overload protection activated.	Release the trigger, reduce the load, and restart. Allow tool to cool if necessary.
Battery not charging.	Charger not plugged in; faulty battery or charger.	Check power connection. Try another battery if available. Contact customer support if issue persists.

8. Specifications

Feature	Detail
Model Number	CRW309-3/8
Voltage	12 Volts
Max. Torque	55 N.m (41 ft./lbs.)
No-Load Speed	300 RPM
Drive Size	3/8 inch
Tool Weight	Approx. 2 lbs. (tool only)
Battery Type	Lithium-ion
Charger Amperage	2.4 Amps
UPC	840321756411

9. Warranty and Support

Klutch products are manufactured to high-quality standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Klutch website. For technical support, replacement parts, or service inquiries, please contact Klutch customer service through their official channels.
You can often find more information and support by visiting the Klutch Store on Amazon.

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