Klutch CIW340

Klutch KLiQ 20V 1/2-inch Cordless Brushless Impact Wrench Instruction Manual (Model CIW340)

Model: CIW340

1. Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Klutch KLiQ 20V 1/2-inch Cordless Brushless Impact Wrench, Model CIW340. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.

The Klutch KLiQ 20V 1/2-inch Impact Wrench is designed for fastening and loosening nuts and bolts. It features a brushless motor for extended life and efficiency, a 3-speed gearbox, and an LED worklight. This unit is sold as a bare tool; the battery and charger are sold separately.

2. Safety Information

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

- **Work Area Safety:** Keep the 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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 Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. Product Overview

Familiarize yourself with the components of your Klutch KLiQ Impact Wrench.



Figure 1: Overall view of the Klutch KLiQ 20V 1/2-inch Cordless Brushless Impact Wrench. This image displays the tool's main body, handle, and 1/2-inch square drive anvil.




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Figure 2: Top view of the impact wrench, highlighting the speed selection button and the integrated LED worklight located above the trigger.

- **1/2-inch Square Drive Anvil:** For attaching sockets.
- **LED Worklight:** Illuminates the work area.
- **Variable Speed Trigger:** Controls the tool's speed.
- **Forward/Reverse Selector:** Changes the direction of rotation.
- **Speed Selection Button:** Cycles through Low, Medium, and High speed settings.
- **Battery Interface:** For connecting Klutch KLiQ 20V Lithium-Ion Batteries (sold separately).
- **Belt Clip:** For convenient carrying.

4. Setup

4.1. Installing the Battery Pack

The Klutch KLiQ 20V Impact Wrench operates with Klutch KLiQ 20V Lithium-Ion Batteries (sold separately). Ensure the battery is fully charged before use.

1. Align the battery pack with the battery interface on the bottom of the tool handle.
2. Slide the battery pack into the tool until it clicks securely into place.
3. To remove the battery, press the release button(s) on the battery pack and slide it out of the tool.

4.2. Attaching Sockets

This impact wrench features a friction ring anvil design for secure socket retention.

1. Select the appropriate 1/2-inch drive impact-rated socket for your application.
2. Push the socket firmly onto the 1/2-inch square drive anvil until it is fully seated and held by the friction ring.
3. To remove the socket, pull it firmly off the anvil.



Figure 3: Demonstrates the process of attaching a socket to the impact wrench for use on a vehicle wheel. The image shows a hand holding the tool with a socket engaged on a lug nut.

5. Operating Instructions

5.1. Powering On/Off and Speed Control

- **To Power On:** Squeeze the variable speed trigger. The LED worklight will illuminate when the trigger is pressed.
- **To Power Off:** Release the variable speed trigger.
- **Variable Speed:** The tool's speed is controlled by the amount of pressure applied to the trigger. More pressure results in higher speed.
- **Speed Selection:** Press the speed selection button (refer to Figure 2) to cycle through the three available speed settings: Low (0-1,500 RPM), Medium (0-2,100 RPM), and High (0-2,600 RPM). An LED indicator will show the currently selected speed.

5.2. Forward/Reverse Operation

The forward/reverse selector is located above the trigger. Push the selector to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). Ensure the tool is stopped before changing direction.

5.3. General Usage

Position the socket firmly onto the fastener. Apply steady pressure to the tool and squeeze the trigger. For tightening, ensure the fastener is tightened to the manufacturer's specified torque using a torque wrench after initial fastening with the impact wrench.



Figure 4: An operator using the Klutch KLiQ impact wrench to work on a vehicle wheel. A Klutch KLiQ battery is attached to the tool, and a socket set case is visible on the ground.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the tool in a dry, secure location, out of reach of children. Remove the battery pack before storing for extended periods.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose fasteners, or worn parts. Do not use a damaged tool.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully seated. Charge battery if necessary.
Reduced power or performance.	Battery charge is low; incorrect speed setting.	Recharge battery. Select a higher speed setting.
Socket not staying on anvil.	Socket not fully seated; friction ring worn.	Push socket firmly until it clicks. If issue persists, contact support for inspection.

8. Specifications

Feature	Detail
Model Number	CIW340
Voltage	20V (KLiQ Lithium-Ion)
Drive Size	1/2 inch Square
Motor Type	Brushless
Breakaway Torque	500 ft./lbs.
No-Load Speed (RPM)	0-1,500 (Low), 0-2,100 (Medium), 0-2,600 (High)
Gearbox	3-speed
Anvil Type	Friction Ring
Weight (Tool Only)	Approximately 3 lbs.
Included Components	(1) 20 Volt impact wrench (battery and charger sold separately)

9. Warranty and Support

For warranty information, please refer to the documentation included with your purchase or visit the official Klutch website. For technical support or service inquiries, please contact Klutch customer service.

Manufacturer: Klutch
ASIN: B0F7HQ2B2J
UPC: 840321756374

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