Kobalt KNI24T

Kobalt KCW 5024B-03 24-Volt Max 1/2-inch Drive Brushless Cordless Impact Wrench User Manual

1. Introduction

Thank you for choosing the Kobalt KCW 5024B-03 24-Volt Max 1/2-inch Drive Brushless Cordless Impact Wrench (Model KNI24T). This powerful and versatile tool is designed for demanding fastening applications, offering high torque and efficiency. This manual provides essential information for safe operation, proper maintenance, and effective troubleshooting to ensure optimal performance and longevity of your tool.



Figure 1: Kobalt KCW 5024B-03 24-Volt Max 1/2-inch Drive Brushless Cordless Impact Wrench. This image displays the tool's ergonomic design, featuring a blue and black body with a 24V MAX battery indicator.

2. Safety Information

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

- **Read all instructions:** Familiarize yourself with the tool's operation and safety guidelines.
- **Wear eye protection:** Always wear safety goggles or glasses with side shields.
- **Wear hearing protection:** Prolonged exposure to noise from power tools can cause hearing damage.
- **Dress properly:** Do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Secure workpiece:** Use clamps or a vise to hold the workpiece. This is safer than using your hand and it frees both hands to operate the tool.
- **Maintain good footing and balance:** Do not overreach. Keep proper footing and balance at all times.

- **Avoid accidental starting:** Ensure the switch is in the off position before inserting the battery pack.
- **Use the right tool:** Do not force the tool or attachment to do a job for which it was not designed.
- **Keep work area clean and well lit:** Cluttered or dark areas invite accidents.
- **Store idle tools:** When not in use, tools should be stored in a dry, high, or locked-up place, out of reach of children.

3. Product Overview

The Kobalt KCW 5024B-03 impact wrench features a robust design for heavy-duty applications. Key components include:

- **1/2-inch Square Drive Anvil:** For attaching sockets.
- **Brushless Motor:** Provides increased efficiency, longer run-time, and extended tool life.
- **Variable Speed Trigger:** Allows for precise control over fastening and loosening applications.
- **Forward/Reverse Selector:** Easily switch between tightening and loosening modes.
- **LED Work Light:** Illuminates the work area for improved visibility.
- **Ergonomic Grip:** Designed for comfort and reduced user fatigue during prolonged use.
- **24-Volt Max Lithium-Ion Battery (sold separately or as part of a kit):** Provides cordless power.
- **Battery Fuel Gauge:** Indicates the remaining battery charge.

4. Setup

4.1 Battery Charging

Before first use, fully charge the 24-Volt Max Lithium-Ion battery pack. Refer to your battery charger's instruction manual for specific charging procedures. Ensure the battery is securely seated in the charger and the charger is connected to a compatible power source. The battery fuel gauge will indicate charging status.

4.2 Battery Installation and Removal

- **To Install:** Align the battery pack with the receptacle on the bottom of the tool handle. Slide the battery pack into the tool until it clicks securely into place.
- **To Remove:** Press the battery release button (usually located on the front or sides of the battery pack) and slide the battery pack out of the tool handle.

4.3 Attaching Sockets

Select the appropriate 1/2-inch drive impact-rated socket for your application. Push the socket firmly onto the square drive anvil until it locks into place. To remove, pull the socket off the anvil.

5. Operating Instructions

5.1 Forward/Reverse Operation

The forward/reverse selector switch is located above the trigger. Push the switch to the left for forward (tightening) rotation and to the right for reverse (loosening) rotation. Position the switch in the center to lock the trigger and prevent accidental operation.

5.2 Variable Speed Trigger

To start the tool, squeeze the variable speed trigger. The tool's speed increases as you apply more pressure to the trigger. Release the trigger to stop the tool.

5.3 Applying the Impact Wrench

Place the socket onto the fastener. Apply firm, steady pressure to the tool and squeeze the trigger. The impact mechanism will engage as resistance is met, providing high torque to tighten or loosen the fastener. For critical applications, always finish tightening with a calibrated torque wrench to achieve the manufacturer's specified torque.

6. Maintenance

6.1 Cleaning

Keep the tool's air vents clear and free of debris to prevent overheating. Use a clean, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners. Regularly inspect the square drive anvil for wear and tear.

6.2 Storage

Store the impact wrench and battery pack in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the battery is removed from the tool before storage. Keep out of reach of children.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly; Battery discharged; Forward/reverse selector in center (locked) position.	Reinstall battery; Charge battery; Move selector to forward or reverse.
Reduced power or performance.	Low battery charge; Worn or damaged socket; Fastener too tight for tool's capacity.	Charge battery; Replace socket; Use a more powerful tool or manual method for extremely tight fasteners.
Tool overheats.	Blocked air vents; Prolonged heavy use.	Clear air vents; Allow tool to cool down.

8. Specifications

- **Brand:** Kobalt
- **Model Number:** KNI24T (KCW 5024B-03)
- **Voltage:** 24 Volts Max
- **Drive Size:** 1/2-inch Square Drive
- **Operation Mode:** Battery
- **Item Torque:** 200 Foot Pounds
- **Item Weight:** 2.2 Pounds
- **Item Length:** 10.5 Inches
- **Head Style:** Fixed Square
- **Finish Type:** Painted, Polished

9. Warranty and Support

For warranty information, technical support, or to order replacement parts, please refer to the warranty card included with your product or visit the official Kobalt website. Keep your purchase receipt as proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question