Kobalt 24 Volt Max

Kobalt 24 Volt Max 3/8-inch Drive Cordless Ratchet Impact Wrench User Manual

Model: 24 Volt Max

1. Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Kobalt 24 Volt Max 3/8-inch Drive Cordless Ratchet Impact Wrench. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its performance and lifespan. This tool is designed for fastening and loosening nuts and bolts in various applications, including automotive, electrical, and HVAC.

2. Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **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 power tools. Dress properly; avoid loose clothing or jewelry.
- **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 Use and Care:** This tool is sold as "Tool Only" and requires a Kobalt 24 Volt Max battery pack (sold separately). Recharge only with the charger specified by the manufacturer.

3. Product Overview

The Kobalt 24 Volt Max Cordless Ratchet is designed for efficient fastening with a compact and ergonomic form factor.



Figure 1: Overall view of the Kobalt 24 Volt Max Cordless Ratchet Impact Wrench. This image shows the tool's full length, highlighting its compact design and the blue and black color scheme.

Key Features:

- **Compact Design:** Reduced size and weight for improved maneuverability in tight spaces.
- **Powerful Performance:** Delivers up to 45 ft-lb of torque and 400 RPM.
- **3/8-inch Drive:** Standard drive size for common sockets.
- **Pin Detent Anvil:** Facilitates quick and easy socket changes.
- **Variable-Speed Trigger:** Allows precise control over fastening speed.
- **Integrated LED Light:** Illuminates the work area for better visibility.
- **Ergonomic Grip:** Designed for comfortable use and multiple grip positions.

4. Setup

4.1 Battery Installation and Removal

This tool operates with a Kobalt 24 Volt Max battery (not included). Ensure the battery is fully charged before use.

1. **To Install:** Align the battery pack with the tool's battery port. Slide the battery pack into the tool until it clicks securely into place.
2. **To Remove:** Press the battery release button (usually located on the battery pack) and slide the battery pack out of the tool.

4.2 Attaching Sockets

The ratchet features a 3/8-inch square drive with a pin detent anvil for secure socket attachment.



Figure 2: Close-up view of the 3/8-inch drive ratchet head. This image highlights the square drive and the pin detent mechanism for attaching sockets.

1. Select the appropriate 3/8-inch drive socket for your fastener.
2. Push the socket firmly onto the square drive anvil until it locks into place. The pin detent will secure the socket.
3. To remove, pull the socket off the anvil.

5. Operating Instructions

5.1 Powering On/Off and Variable Speed Control



Figure 3: Detail of the tool's trigger and ergonomic grip. This image shows the location of the variable-speed trigger and the textured grip for user comfort.

The tool is activated by the variable-speed trigger. The speed of the ratchet is controlled by the amount of pressure applied to the trigger.

- To start the tool, press the trigger.
- To increase speed, apply more pressure to the trigger.
- To decrease speed, release pressure on the trigger.
- To stop the tool, fully release the trigger.

5.2 Forward/Reverse Operation

A forward/reverse selector switch (typically located near the trigger) controls the direction of rotation.

- For tightening (forward rotation), push the selector switch to the appropriate position.
- For loosening (reverse rotation), push the selector switch to the opposite position.
- Ensure the tool is completely stopped before changing the direction of rotation.

5.3 Using the LED Work Light



Figure 4: View of the integrated LED work light. This image shows the small LED positioned to illuminate the work area when the tool is in operation.

The integrated LED light automatically illuminates the work area when the trigger is pressed, providing improved visibility in dimly lit conditions.

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 clean, dry cloth to wipe down the tool. Do not use solvents or harsh chemicals, as these can damage plastic parts.
- **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

If you encounter issues with your Kobalt Cordless Ratchet, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully seated. Charge the battery pack.
Reduced power or performance.	Low battery charge. Tool overloaded.	Recharge battery. Do not exceed the tool's rated capacity.
Socket does not attach securely.	Incorrect socket size. Debris in anvil.	Use a 3/8-inch drive socket. Clean the anvil area.
Tool stops unexpectedly.	Overload protection activated. Battery overheating.	Release trigger, allow tool to cool. Reduce load.

If the problem persists after attempting these solutions, contact Kobalt customer service for assistance.

8. Specifications

Feature	Detail
Brand	Kobalt
Model Number	24 Volt Max
Voltage	24 Volts
Drive Size	3/8-inch
Max Torque	45 ft-lb
Max RPM	400 RPM
Item Weight	2.31 pounds
Product Dimensions	17.68 x 4.13 x 3.11 inches
Material	Plastic
Head Style	Fixed Square
UPC	692042011436

9. Warranty and Support

For information regarding warranty coverage, service, or technical support, please refer to the warranty card included with your purchase or visit the official Kobalt website. Keep your proof of purchase for warranty claims.

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