DEWALT DEWDCF892N

DEWALT DCF892N-XJ 18V XR Brushless 1/2 inch Detent Pin Mid Range Impact Wrench User Manual

Model: DEWDCF892N

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT DCF892N-XJ 18V XR Brushless 1/2 inch Detent Pin Mid Range Impact Wrench. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.
The DEWALT DCF892N-XJ is a powerful and compact cordless impact wrench designed for various fastening applications. It delivers significant fastening and breakaway torque, making it suitable for demanding tasks while maintaining maneuverability.

General Safety Information

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal 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:** This tool is battery-operated. Ensure the battery pack is compatible with the charger and tool. 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 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 tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Safety:** Do not disassemble, drop, or damage the battery pack. Do not short-circuit the battery terminals. Do not charge the battery pack in damp or wet locations.

Components Overview

Familiarize yourself with the main components of your DEWALT Impact Wrench.

Figure 1: Front view of the DEWALT DCF892N-XJ Impact Wrench, highlighting its compact design and 1/2 inch square drive.

Figure 2: Side view of the DEWALT DCF892N-XJ Impact Wrench, showing the ergonomic grip and brushless motor housing.

- **1/2 inch Square Drive Detent Pin Anvil:** For quick and secure socket changes.
- **Trigger Switch:** Controls the tool's operation and speed.
- **Forward/Reverse Selector:** Changes the direction of rotation.
- **LED Work Light:** Illuminates the work area for improved visibility.
- **Battery Release Button:** For detaching the battery pack.
- **Ergonomic Handle:** Designed for comfortable grip and reduced fatigue.

Setup

Battery Installation and Charging

This DEWALT Impact Wrench is a bare unit and does not include a battery or charger. It requires 18V XR Lithium-Ion batteries for operation.

1. Ensure the battery pack is fully charged before first use. Refer to your DEWALT battery charger manual for charging instructions.
2. Align the battery pack with the receptacle on the tool's base.
3. Slide the battery pack into the tool until it clicks securely into place. Ensure it is fully seated to prevent accidental detachment during operation.

Socket Installation

1. Ensure the tool is off and the battery pack is removed for safety.
2. Push the desired 1/2 inch square drive socket onto the detent pin anvil until it snaps into place.
3. To remove, pull the socket firmly off the anvil.

Operating Instructions

Powering On/Off

To turn the tool on, depress the trigger switch. To turn it off, release the trigger switch.

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 selector is fully engaged in the desired position before operating the tool.

Speed Control and Modes

The tool features a variable speed trigger, allowing you to control the speed by the amount of trigger depression. It also offers 4 modes for optimized performance across various applications.

- **Mode 1:** Lower speed and torque for delicate applications or starting fasteners.
- **Mode 2:** Medium speed and torque for general fastening tasks.
- **Mode 3:** High speed and maximum torque for heavy-duty fastening.

- **Mode 4 (Precision Wrench™):** This mode helps prevent overtightening in forward and run-off in reverse by automatically slowing down or stopping the tool.

Refer to the tool's interface for selecting the appropriate mode. The LED work light will activate when the trigger is depressed, providing illumination for dark work areas.



Figure 3: The DEWALT DCF892N-XJ Impact Wrench in use, demonstrating its application in automotive or heavy-duty tasks.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your DEWALT Impact Wrench.

Cleaning

- Periodically clean the tool's ventilation slots to prevent overheating. Use a soft brush or dry cloth.
- Do not use water or chemical cleaning agents.

Storage

- Store the tool and battery pack in a cool, dry place, away from direct sunlight and moisture.
- Remove the battery pack from the tool before storage.

Lubrication

This tool features a brushless motor and all-metal gearing, which are designed for maintenance-free operation. No additional lubrication is required.

Troubleshooting

If you encounter issues with your impact wrench, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start.	Battery pack not inserted correctly or discharged.	Ensure battery pack is fully seated. Charge battery pack.
Reduced power or torque.	Battery pack low on charge; incorrect mode selected.	Recharge battery pack. Select a higher power mode.
Tool stops during operation.	Overload protection activated; battery pack depleted.	Reduce load. Allow tool to cool. Recharge battery pack.
Socket does not attach securely.	Incorrect socket size; debris in anvil.	Use correct 1/2 inch square drive socket. Clean anvil area.

If the problem persists after attempting these solutions, contact DEWALT customer service or an authorized service center.

Specifications

Model Number	DEWDCF892N (DCF892N-XJ)

Voltage	18V
Drive Size	1/2 inch Square Drive with Detent Pin
Max. Fastening Torque	812 Nm
Max. Breakaway Torque	1084 Nm
Tool Length	175 mm
Tool Weight (Bare Unit)	1.1 kg (2.42 lbs)
Motor Type	Brushless
Features	LED Work Light, 4 Modes (including Precision Wrench™)
Power Source	Battery Powered (Battery and Charger Sold Separately)

Warranty and Support

DEWALT products are engineered to the highest standards and undergo rigorous testing. For detailed warranty information, please refer to the warranty card included with your product or visit the official DEWALT website.
For technical support, service, or to locate an authorized service center, please visit theDEWALT Store on Amazon or the official DEWALT website. When contacting support, please have your model number (DEWDCF892N) and serial number (if applicable) ready.
EU Spare Part Availability Duration: 1 Year (as per product specifications).

© 2025 DEWALT. All rights reserved.

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

Anonymous

Email

you@example.com

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