DEWALT DCF682N1

DEWALT 8V MAX Cordless Screwdriver User Manual

Model: DCF682N1

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT 8V MAX Gyroscopic Inline Cordless Electric Screwdriver, Model DCF682N1. This tool is designed for precise fastening control with motion-activated variable speed and reversing capabilities. It is suitable for fastening into wood, plastic, and light-gauge metal.

Important Safety Instructions

Always read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Keep this manual for future reference.

- Always wear appropriate personal protective equipment, including eye protection.
- Ensure the work area is well-lit and clear of obstructions.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.

2. Product Overview

The DEWALT DCF682N1 is an 8V MAX* Gyroscopic Inline Cordless Electric Screwdriver designed for efficiency and precision.



Figure 2.1: Side view of the DEWALT 8V MAX Cordless Screwdriver. This image shows the main body of the screwdriver, highlighting its compact and inline design.



Figure 2.2: Angled view of the DEWALT 8V MAX Cordless Screwdriver. This perspective provides a better look at the gyroscopic technology label and the overall ergonomic shape.

Key Features:

- **Motion Activation:** Variable speed and reversing control for precise fastening.
- **Variable Speed:** 0-430 RPM for various applications in wood, plastic, and light-gauge metal.
- **LED Illumination:** Provides light in confined areas, reducing shadowing.
- **Battery Status Indicator:** Notifies when to charge the battery pack.
- **Quick Bit Change:** 1/4-inch hex chuck allows for fast bit changes and holds 1-inch bit tips.
- **Long Run-time:** 8V MAX battery pack provides extended operation.

3. Setup

3.1 Charging the Battery

The DEWALT DCF682N1 comes with an 8V MAX* Compact Battery and a 1-hour charger.

1. Connect the charger to a standard electrical outlet.
2. Insert the 8V MAX* Compact Battery into the charger.
3. Allow approximately one hour for a full charge. The battery charge status indicator on the tool will also provide an indication of charge level.
4. Once charged, remove the battery from the charger.



Figure 3.1: Side view of the DEWALT 8V MAX Cordless Screwdriver showing the battery pack. This image illustrates where the 8V MAX Lithium Ion battery is integrated into the tool's design.

3.2 Installing and Removing Bits

The screwdriver features a 1/4-inch hex chuck for quick bit changes.

1. Ensure the tool is off and the battery is securely inserted.
2. To install a bit, push the 1-inch bit tip firmly into the hex chuck until it clicks into place.
3. To remove a bit, pull the collar of the chuck forward and pull the bit out.

4. Operating Instructions

4.1 Powering On/Off and Direction Control

This screwdriver utilizes gyroscopic motion activation for control.

- To activate the tool, hold the screwdriver firmly.
- To drive screws forward (clockwise), rotate your wrist slightly to the right. The further you rotate, the faster the speed, up to 430 RPM.
- To reverse screws (counter-clockwise), rotate your wrist slightly to the left. The further you rotate, the faster the speed in reverse.
- To stop the tool, return your wrist to the neutral, straight-ahead position.

4.2 Using the LED Work Light

The integrated LED work light illuminates the work surface, improving visibility in dark or confined spaces. The light activates automatically when the tool is in operation.

5. Maintenance

5.1 Cleaning

Regular cleaning helps maintain the tool's performance and extends its lifespan.

- Before cleaning, ensure the tool is off and the battery pack is removed.

- Use a clean, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

5.2 Storage

When not in use, store the screwdriver and its accessories in a dry, secure location, out of reach of children.

- Store the tool in its original kit bag or a suitable protective case.
- Avoid storing in direct sunlight or extreme temperatures.
- For long-term storage, ensure the battery is partially charged (around 50%) to preserve battery health.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is not charged or not properly inserted.	Charge the battery fully. Ensure the battery is securely inserted into the tool.
Reduced power or speed.	Low battery charge.	Recharge the battery.
Bit slips or does not hold.	Bit not fully inserted or worn bit.	Ensure bit is fully seated in the chuck. Replace worn bits.
Tool overheats.	Blocked ventilation openings or continuous heavy use.	Clear ventilation openings. Allow the tool to cool down during prolonged use.

7. Specifications

Technical specifications for the DEWALT 8V MAX Cordless Screwdriver (DCF682N1).

Attribute	Detail
Model Number	DCF682N1
Voltage	8 Volts
Power Source	Battery Powered
Speed	0-430 RPM
Chuck Type	1/4-inch Hex
Item Weight	2 pounds
Product Dimensions	9.5 x 2.06 x 7.88 inches
Battery Type	Lithium Ion
Included Components	1 hour charger, 8V MAX* Compact Battery, Kit Bag

8. Warranty and Support

8.1 Warranty Information

The DEWALT 8V MAX Cordless Screwdriver (DCF682N1) comes with a**3-year limited warranty**. This warranty covers defects in material or workmanship. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the documentation included with your product or visit the official DEWALT website.

8.2 Customer Support

For technical assistance, service, or to order replacement parts, please contact DEWALT customer support.

- **Website:** www.dewalt.com
- **Phone:** Refer to the DEWALT website for regional contact numbers.

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.

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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