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DEWALT DCF601F2

DEWALT XTREME 12V MAX* Cordless Screwdriver User Manual

Model: DCF601F2

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT XTREME 12V MAX* Cordless Screwdriver (Model DCF601F2). Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Figure 1: The DEWALT XTREME 12V MAX* Cordless Screwdriver kit, including the screwdriver, two 12V MAX* 2Ah batteries, a charger, and a tool bag.

Safety Information

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

General Safety Rules:

- **Work Area Safety:** Keep your work area clean and well lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

Specific Safety Warnings for Screwdrivers:

- Hold the power tool by insulated gripping surfaces when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Always wear appropriate personal protective equipment, including eye protection.

Setup

Unpacking:

Carefully remove all components from the packaging. Verify that all items listed in the kit contents are present and undamaged. The kit includes: one DCF601B 12V MAX* Brushless 1/4 in. Screwdriver, one belt clip, two DCB122 12V MAX* Batteries with state of charge indicator, one DCB112 12V and 20V MAX* charger, and a kit bag.

Charging the Battery:

1. Connect the charger (DCB112) to a standard electrical outlet.
2. Insert the 12V MAX* battery (DCB122) into the charger. Ensure it is fully seated.
3. The charger's indicator light will show the charging status. Refer to the charger's specific manual for detailed light indications.
4. Once fully charged, remove the battery from the charger.

Attaching the Belt Clip:

The belt clip can be attached to either side of the tool using the provided screw. This allows for convenient carrying of the screwdriver when not in use.



Figure 2: Key features of the screwdriver, including the 1/4" drop & load hex, 3 LED light ring, and belt hook location.

Operating Instructions

Installing and Removing Bits:

The screwdriver features a 1/4-inch quick release drop and load hex chuck that accepts 1-inch bit tips.

- **To Install:** Simply push the bit directly into the hex chuck until it locks into place.
- **To Remove:** Pull the collar of the chuck forward and pull the bit out.



Figure 3: The 1/4" drop & load hex chuck designed for quick and easy bit changes.

Variable Speed Trigger and Direction Control:

The tool is equipped with a variable speed trigger for precise control over fastening and drilling applications. The harder you press the trigger, the faster the tool operates.

- **Forward/Reverse Button:** Located above the trigger, this button allows you to select the direction of rotation (forward for fastening, reverse for loosening). Ensure the button is fully engaged in either direction before operating.



Figure 4: The variable speed trigger provides precise control during operation.

Clutch Settings:

The screwdriver features 15 clutch settings, allowing you to adjust the torque output for various fastening and drilling applications. Rotate the clutch collar to the desired setting. Lower settings are for smaller screws or softer materials, while higher settings are for larger screws or harder materials.

LED Work Light:

Three LED lights are positioned on the nosecone to illuminate the work surface, improving visibility in dimly lit areas. These lights activate when the trigger is pressed.



Figure 5: The 3 LED light ring provides illumination for the work area.

Brushless Motor Technology:

This tool is equipped with a brushless motor, designed for maximum runtime and durability. Brushless motors offer increased efficiency and a longer tool life compared to brushed motors.



Figure 6: The brushless motor technology ensures extended motor life and efficiency.

Maintenance

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

Cleaning:

- Keep the tool's ventilation slots clear to prevent overheating.
- Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Periodically clean the chuck to ensure smooth bit insertion and removal.

Battery Care:

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically if not in use.
- Avoid dropping or subjecting batteries to severe impact.

Storage:

When not in use, store the screwdriver, batteries, and charger in the provided kit bag in a secure, dry location out of reach of children.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not operate.	Battery is not charged or not properly inserted.	Ensure battery is fully charged and securely inserted into the tool.
Reduced power or speed.	Battery charge is low.	Recharge the battery.
Bit slips in chuck.	Bit not fully inserted or chuck is dirty.	Ensure bit is fully seated. Clean chuck if necessary.
Tool overheats.	Overloading the tool or blocked ventilation.	Reduce load. Clear any obstructions from ventilation slots. Allow tool to cool.

If you encounter issues not listed here, or if the problem persists after attempting the suggested solutions, please contact DEWALT customer support.

Specifications

Feature	Specification
Model Number	DCF601F2
Voltage	12V MAX*
Chuck Size	1/4 inch (6.35 mm) Hex
No Load Speed	1100 RPM
Clutch Settings	15
Tool Length	4.8 inches
Item Weight (tool only)	2.0 lbs
Battery Type	Lithium Ion (2.0 Ah)
Power Source	Battery Powered
Included Components	Screwdriver, 2 Batteries, Charger, Kit Bag, Belt Clip

Warranty and Support

Warranty Information:

DEWALT provides a limited warranty for its products. For detailed warranty terms and conditions, including coverage period and exclusions, please refer to the warranty card included with your product or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

Customer Support:

For technical assistance, service, or to locate a service center, please contact DEWALT customer support. Contact information can typically be found on the DEWALT website or on the product packaging.
Online Resources: www.dewalt.com

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