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Makita DFT127FMZ

Makita DFT127FMZ Cordless Screwdriver User Manual

Model: DFT127FMZ

Introduction

Thank you for choosing the Makita DFT127FMZ 14.4V Cordless Screwdriver. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.

General Safety Instructions

Always follow basic safety precautions when using electric 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:** 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 for extended periods. 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 plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Product Overview

Familiarize yourself with the components of your Makita DFT127FMZ Cordless Screwdriver.



Figure 1: Makita DFT127FMZ 14.4V Cordless Screwdriver. This image shows the teal-colored screwdriver with a black handle and a silver chuck. The torque adjustment ring is visible near the chuck, marked with numbers. The Makita logo is prominently displayed on the side.

Key Components:

- **Chuck:** Holds the screwdriver bits securely.
- **Torque Adjustment Ring:** Allows selection of desired torque setting for various applications.
- **Forward/Reverse Switch:** Changes the rotation direction of the chuck.
- **Trigger Switch:** Activates the tool and controls speed.
- **Handle:** Ergonomic grip for comfortable use.
- **Battery Terminal:** Connection point for the 14.4V battery pack (battery sold separately).

Setup

1. Battery Installation and Charging:

Ensure the battery pack is fully charged before first use. The battery pack is not included with the tool and must be purchased separately.

1. Align the battery pack with the battery terminal on the tool.
2. Slide the battery pack into place until it clicks securely.
3. To remove, press the battery release button (if present) and slide the battery out.

2. Bit Installation:

1. Ensure the tool is switched off and the battery is removed for safety.
2. Pull the chuck collar forward to open the jaws.
3. Insert the desired screwdriver bit fully into the chuck.
4. Release the chuck collar to secure the bit. Pull on the bit to ensure it is firmly seated.

Operating Instructions

1. Powering On/Off and Speed Control:

To start the tool, pull the trigger switch. The tool speed increases with increased pressure on the trigger switch. To stop, release the trigger switch.

2. Changing Rotation Direction:

The forward/reverse switch is located above the trigger. Push the switch to the left for forward rotation (for tightening screws) and to the right for reverse rotation (for loosening screws). Ensure the tool has come to a complete stop before changing direction.

3. Torque Adjustment:

The torque adjustment ring allows you to select the desired torque setting. Rotate the ring to align the desired number with the indicator mark. Lower numbers indicate lower torque for smaller screws or softer materials, while higher numbers provide more torque for larger screws or harder materials. The "drill" symbol setting provides maximum torque for drilling applications (though this is primarily a screwdriver).

4. Screwdriving Tips:

- Always use the correct type and size of screwdriver bit for the screw head.
- Apply firm, steady pressure to the tool to prevent the bit from slipping out of the screw head.
- Start with a lower torque setting and increase if necessary to avoid over-tightening or stripping screws.

Maintenance

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

- **Cleaning:** Regularly clean the tool's ventilation openings to prevent overheating. Use a soft, damp cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Bit Care:** Keep screwdriver bits clean and sharp. Replace worn or damaged bits to ensure efficient operation and prevent damage to screw heads.
- **Storage:** Store the tool and battery in a cool, dry place, away from direct sunlight and moisture. Keep out of reach of

children.

- **Battery Care:** For optimal battery life, avoid fully discharging the battery. Charge the battery before it is completely depleted. Store batteries in a partially charged state if not used for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly installed.	Charge battery. Ensure battery is securely clicked into place.
Reduced power or speed.	Low battery charge. Overload.	Recharge battery. Reduce pressure or use a higher torque setting.
Bit slips from screw head.	Incorrect bit size/type. Worn bit. Insufficient pressure.	Use correct bit. Replace worn bit. Apply more firm, steady pressure.

Specifications

Feature	Detail
Model Number	DFT127FMZ
Brand	Makita
Voltage	14.4 Volts
Power (Watts)	43 Watts
Product Dimensions (L x W x H)	1 x 1 x 1 cm (0.39 x 0.39 x 0.39 inches)
Item Weight	1.04 kilograms (2.3 pounds)
Included Components	MAKITA DFT127FMZ - Screwdriver 12 Nm 14.4 V BL USB (Tool only, battery not included)
Power Source	Cordless (Battery-powered)

Warranty and Support

For warranty information, technical support, or service inquiries, please contact your local Makita authorized service center or visit the official Makita website. Keep your purchase receipt as proof of purchase for warranty claims.
Note: Warranty terms and conditions may vary by region.

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