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Makita XWT17Z

Makita XWT17Z 18V LXT Lithium-Ion Brushless Cordless 4-Speed Mid-Torque 1/2" Square Drive Impact Wrench Instruction Manual

Model: XWT17Z

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and setup of your Makita XWT17Z 18V LXT Lithium-Ion Brushless Cordless 4-Speed Mid-Torque 1/2" Square Drive Impact Wrench. Please read and understand all instructions before use to ensure proper function and prevent injury.



Figure 1: Makita XWT17Z 18V LXT Impact Wrench, tool only.

2. Safety Instructions

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

General Power Tool Safety

- **Work Area Safety:** Keep the 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:** Always wear eye protection. Use hearing protection when operating the tool. 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.

Impact Wrench Specific Safety

- Always use impact-rated sockets and accessories.
- Secure the workpiece. Unsecured workpieces can cause injury.
- Be aware of reaction torque. The tool can twist if the fastener binds.

Battery and Charger Safety

- Use only Makita 18V LXT Lithium-Ion batteries and chargers.
- Do not short-circuit a battery pack.
- Do not charge battery packs in damp or wet locations.
- The Makita Star Protection Computer Controls™ system protects against overloading, over-discharging, and overheating.

3. Product Overview

The Makita XWT17Z is an 18V LXT Lithium-Ion Brushless Cordless 4-Speed Mid-Torque 1/2" Square Drive Impact Wrench designed for fastening applications. It features a friction ring anvil for quick socket changes.

Key Features:

- BL Brushless Motor for extended run time and power.
- 520 ft.lbs. of fastening torque and 740 ft.lbs. of nut-busting torque.
- Compact design at 6-11/16" long.
- 4-speed power selection switch for precise control.
- 3 forward and 3 reverse auto-stop modes for efficiency.
- Full-speed mode function reduces trigger pull to reach full speed.
- Extreme Protection Technology (XPT) for improved operation in harsh conditions.

4. Setup

Battery Installation and Removal

1. To install: Align the battery pack with the housing and slide it in until it locks into place. Ensure it is fully seated.
2. To remove: Press the release button on the battery pack and slide it out of the tool.

Note: This product is sold as a tool only. Battery and charger are not included and must be purchased separately. Use only genuine Makita 18V LXT Lithium-Ion batteries.

Socket Installation and Removal (Friction Ring Anvil)

1. To install: Push the desired 1/2" square drive impact socket firmly onto the anvil until the friction ring secures it.
2. To remove: Pull the socket firmly off the anvil.

Attaching the Belt Clip

The belt clip can be attached to either side of the tool. Secure it with the provided screw.

5. Operating Instructions

Power Selection Switch (4-Speed)

The tool features a 4-speed power selection switch located on the base of the tool. Press the 'MODE' button to cycle through the four speed settings (1, 2, 3, 4) to match the application requirements. Each setting provides different RPM and IPM ranges for precise control.



Figure 2: Close-up of the 4-speed power selection switch and mode indicator.

Forward/Reverse Switch

The forward/reverse lever is located above the trigger. Push it to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). Position it in the center to lock the trigger and prevent accidental startup.

Trigger Operation

Squeeze the trigger to start the tool. The speed is variable depending on the pressure applied to the trigger. The full-speed mode function allows the tool to reach full speed with less trigger pull.

Auto-Stop Modes

The XWT17Z includes 3 forward and 3 reverse auto-stop modes. These modes are designed to increase efficiency by automatically stopping the impact action under specific conditions, preventing over-tightening or allowing for controlled loosening.



Figure 3: The tool in use, demonstrating its innovative features like auto-stop modes.

Application Guidance

For fastening, select a lower speed setting initially and increase as needed. For nut-busting, the tool delivers up to 740 ft.lbs. of torque. Always ensure the socket is fully engaged with the fastener.



Figure 4: The impact wrench applying power to a large fastener.

6. Maintenance

Cleaning

- Regularly clean the tool's ventilation openings to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or solvents.

Inspection

- Inspect the power cord (if applicable for charger) and tool housing for damage before each use.
- Check the friction ring on the anvil for wear. A worn friction ring may not hold sockets securely. Replace if necessary.

Storage

Store the tool in a dry, secure location out of reach of children. Remove the battery pack before storage.

7. Troubleshooting

If you encounter issues with your Makita XWT17Z, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Trigger lock engaged; Tool malfunction.	Ensure battery is charged and correctly installed. Disengage trigger lock. If problem persists, contact Makita service.
Reduced power/performance	Low battery charge; Worn carbon brushes (not applicable for brushless motor); Tool operating in a lower speed setting; Overload protection activated.	Charge battery. Select a higher speed setting. Allow tool to cool if overload protection is active.
Socket not holding securely	Worn friction ring on anvil.	Inspect and replace the friction ring if worn.

The Makita Star Protection Computer Controls™ system monitors battery conditions during use. If the tool stops unexpectedly, it may be due to overload, over-discharge, or overheating. Allow the tool and battery to cool before resuming operation.

8. Specifications

Specification	Value
Model Number	XWT17Z
Brand	Makita
Voltage	18V (Battery-powered)
Fastening Torque	520 ft.lbs.
Nut-Busting Torque	740 ft.lbs.
Anvil Size	1/2" Square Drive with Friction Ring
No-Load RPM (4-Speed)	0-500 / 0-1,200 / 0-1,900 / 0-2,200 RPM
Impacts Per Minute (IPM)	0-1,000 / 0-1,700 / 0-2,400 / 0-2,700 IPM
Item Weight (Tool Only)	5.1 pounds
Item Length	6-11/16" (10.08 Inches)
Material	Alloy Steel
Power Source	Battery-powered
Battery Cell Type	Lithium Ion
Included Components	Tool Only (battery and charger not included)

9. Warranty Information

The Makita XWT17Z Impact Wrench is covered by a **3-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship. Please retain your proof of purchase for warranty claims. For full warranty details and conditions, refer to the official Makita warranty statement or contact Makita customer service.

10. Support

For technical assistance, service, or replacement parts, please contact Makita customer support. Using non-genuine Makita Lithium-Ion batteries may cause hazards such as fire, personal injury, or property damage, and may void your warranty. Always use genuine Makita products.



Figure 5: Important safety information regarding the use of genuine Makita batteries.

You can find more information and contact details on the official Makita website: www.makitatools.com

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