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Makita XWT13RB

Makita XWT13RB 18V LXT Sub-Compact 1/2" Impact Wrench User Manual

Model: XWT13RB

1. Introduction

Thank you for choosing the Makita XWT13RB 18V LXT Sub-Compact 1/2" Impact Wrench. This tool is engineered for professional use, offering a balance of power and compact design for various fastening applications. Its efficient Brushless motor delivers strong performance while maintaining a lightweight and ergonomic profile, ideal for working in tight spaces and for overhead tasks. This manual provides essential information for the safe and effective operation, maintenance, and care of your impact wrench.



Figure 1.1: The Makita XWT13RB kit, including the impact wrench, two 18V LXT Lithium-Ion batteries, a rapid optimum charger, and a contractor tool bag.

2. Safety Information

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Read and understand all instructions before operation.

General Power Tool Safety Warnings:

- **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 battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. Components and Included Items

The Makita XWT13RB kit typically includes the following components:

- Makita XWT13ZB 18V LXT Sub-Compact Brushless 1/2" Impact Wrench
- Two (2) Makita BL1820B 18V LXT Lithium-Ion Compact 2.0Ah Batteries
- Makita DC18RC 18V LXT Lithium-Ion Rapid Optimum Charger
- Makita 831253-8 14" Contractor Tool Bag



Figure 3.1: The Makita XWT13RB 18V LXT Sub-Compact 1/2" Impact Wrench, showcasing its compact design and 1/2" square drive.

4. Setup

4.1 Battery Installation and Removal

1. To install the battery, align the battery pack with the groove in the tool housing and slide it in until it locks into place with a click.
2. To remove the battery, press the release button on the battery pack and slide it out of the tool.

4.2 Charging the Battery

Use only the Makita DC18RC Rapid Optimum Charger provided with your kit. Refer to the charger's instruction manual for detailed charging procedures and indicators.

4.3 Attaching and Removing Sockets

1. To attach a socket, push the socket onto the 1/2" square drive until it clicks securely into place.
2. To remove a socket, pull the socket firmly off the square drive.

5. Operating Instructions

5.1 Powering On/Off and Variable Speed Control

The tool is activated by pulling the trigger switch. The speed of the tool increases with increased pressure on the trigger. Release the trigger to turn the tool off.

5.2 Forward/Reverse Rotation

The direction of rotation is controlled by the forward/reverse lever located above the trigger. Push the lever to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). Ensure the lever is fully engaged in either direction before operating the tool.

5.3 Reverse Rotation Auto-Stop Mode

This mode is designed to stop rotation and impact when the fastener is adequately loosened, preventing over-loosening or accidental dropping of the fastener. This feature is particularly useful for repetitive tasks.



Figure 5.1: Close-up of the control panel on the Makita XWT13RB, showing indicators for speed settings and the reverse rotation auto-stop mode.

5.4 Built-in L.E.D. Work Light

The tool is equipped with an L.E.D. light that illuminates the work area when the trigger is pulled. This light is useful in dimly lit environments.



Figure 5.2: The integrated L.E.D. work light on the Makita XWT13RB, providing illumination to the fastening area.

5.5 Applications

The compact size and powerful torque of the XWT13RB make it suitable for a variety of applications, including automotive repair, assembly, and general construction where space is limited.



Figure 5.3: The Makita XWT13RB being used in a confined engine bay, demonstrating its sub-compact design advantage.



Figure 5.4: The Makita XWT13RB in use on a vehicle, highlighting its utility for various automotive fastening tasks.

6. Maintenance

6.1 Cleaning

Regularly clean the tool's ventilation openings to prevent dust accumulation. Use a soft, damp cloth to wipe down the tool. Do not use strong detergents or solvents.

6.2 Storage

Store the tool and batteries in a cool, dry place, away from direct sunlight and excessive heat. Ensure batteries are partially charged before long-term storage.

6.3 Battery Care

To maximize battery life, avoid fully discharging the battery. Recharge batteries before they are completely depleted. Do

not store batteries in a discharged state.

7. Troubleshooting

Tool Does Not Start:

- Check if the battery is fully charged and properly inserted.
- Ensure the forward/reverse lever is not in the neutral (locked) position.

Reduced Power or Performance:

- The battery may be low on charge. Recharge the battery.
- The tool may be overheating. Allow it to cool down.
- Ensure the correct socket size is being used and it is properly seated.

Battery Not Charging:

- Verify the charger is plugged into a working power outlet.
- Check for any damage to the battery or charger.

8. Specifications

Feature	Specification
Brand	Makita
Model Number	XWT13RB
Voltage	18 Volts
Wattage	36 watts
Item Weight	8.97 pounds (with battery)
Item Length	5.94 Inches
Item Torque	1860 Inch Pounds (155 ft.Lbs.)
Operation Mode	Battery
Head Style	Fixed Square (1/2")
No-Load Speed (RPM)	0-1,300 / 0-2,400
Impacts Per Minute (IPM)	0-2,000 / 0-3,600
Battery Type	Lithium Ion

9. Warranty and Support

Warranty Information:

The Makita XWT13RB Impact Wrench, its battery, and charger are covered by a**3-year limited warranty**. This warranty

covers defects in materials and workmanship. For full details and conditions, please refer to the warranty card included with your product or visit the official Makita website.

Customer Support:

For technical assistance, service, or warranty claims, please contact Makita customer support. You can find contact information on the official Makita website or through your local authorized Makita service center.

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