Makita DHR243RTJ

Makita DHR243RTJ Hammer Combi Instruction Manual

Model: DHR243RTJ

Introduction

This manual provides essential instructions for the safe and effective operation, maintenance, and setup of your Makita DHR243RTJ Hammer Combi. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Figure 1: Makita DHR243RTJ Hammer Combi, showing the main unit with an attached battery and side handle.

General Safety Information

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

- **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 for extended periods. Wear a dust mask in dusty conditions.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. A 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.

Component Identification

Familiarize yourself with the main components of the Makita DHR243RTJ Hammer Combi.



Figure 2: The main handle and trigger assembly, designed for comfortable grip and control.



Figure 3: The mode selector switch, allowing selection between drilling, hammer drilling, and chiseling functions.



Figure 4: The quick-change chuck mechanism, designed for rapid bit changes.

Setup

1. Battery Installation and Charging

The Makita DHR243RTJ operates on 18V Lithium-Ion batteries. Ensure batteries are fully charged before use.

1. To install the battery, align the battery pack with the housing and slide it in until it locks into place.
2. To remove, press the release button on the battery pack and slide it out.
3. Use the provided Makita DC18RC charger (Art. 195584-2) to charge the battery. Connect the charger to a power outlet and insert the battery. The charger indicators will show the charging status.



Figure 5: The Makita DC18RC charger, used for charging 18V Lithium-Ion batteries.

2. Attaching the Side Handle and Depth Stop

The side handle provides additional control and stability during operation. The depth stop helps achieve consistent drilling depths.

1. Loosen the side handle clamp.
2. Slide the side handle onto the barrel of the tool to the desired position.
3. Insert the depth stop into the hole on the side handle. Adjust its length as needed.
4. Tighten the side handle clamp securely.



Figure 6: The adjustable side handle, providing enhanced grip and control.



Figure 7: The depth stop, used to control drilling depth.

3. Installing Drill Bits (Quick-Change Chuck)

The tool features a quick-change chuck for SDS-PLUS bits and a separate quick-change chuck for cylindrical drill bits.

1. **For SDS-PLUS bits:** Pull back the chuck sleeve, insert the SDS-PLUS bit until it clicks into place, then release the sleeve. Pull on the bit to ensure it is securely locked.

2. **For cylindrical bits:** Remove the SDS-PLUS quick-change chuck by pulling back the sleeve and pulling the chuck off. Attach the cylindrical quick-change chuck (Art. 194079-2) in the same manner. Insert the cylindrical bit and tighten the chuck jaws.



Figure 8: The tool with the quick-change chuck and side handle attached, ready for bit installation.

Operating Instructions

1. Mode Selection

The DHR243RTJ offers three operating modes: Rotation Only, Rotation with Hammering, and Hammering Only (Chiseling).

- **Rotation Only (Drilling):** For drilling in wood, metal, or plastic. Set the mode selector to the drill icon.
- **Rotation with Hammering (Hammer Drilling):** For drilling in concrete, masonry, or stone. Set the mode selector to the hammer drill icon.
- **Hammering Only (Chiseling):** For light chiseling or breaking work. Set the mode selector to the chisel icon.

Always ensure the tool is switched off before changing modes.

2. Starting and Stopping the Tool

- To start the tool, pull the trigger switch. The speed increases with increased trigger pressure.
- To stop the tool, release the trigger switch.
- The tool features a lock-on button for continuous operation. To engage, pull the trigger and press the lock-on button. To release, pull the trigger fully again.

3. Drilling and Chiseling Techniques

- **Drilling:** Apply steady, even pressure. Do not force the tool. Allow the tool to do the work.
- **Hammer Drilling:** The hammering action assists in penetrating hard materials. Maintain a firm grip and allow the tool to impact.
- **Chiseling:** Position the chisel at the desired angle. Use the tool's weight and hammering action to break material. The tool offers 40 chisel adjustment positions for optimal working angles.



Figure 9: The Makita DHR243RTJ being used for hammer drilling into a concrete surface.

4. Dust Extraction

The tool has an integrated connection for dust extraction (e.g., DX02, Art. 195902-4). Connect a suitable dust extractor to minimize airborne dust during operation, improving safety and visibility.

Maintenance

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

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Wipe the tool body with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck to remove dust and debris. Apply a small amount of grease to the SDS-PLUS shank of bits to ensure smooth operation and reduce wear.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Inspection:** Regularly inspect the tool for any signs of damage, loose screws, or worn parts. If any damage is found, have the tool serviced by an authorized Makita service center.
- The brushless motor requires no brush replacement, reducing routine maintenance.

Troubleshooting

This section addresses common issues you might encounter with your Makita DHR243RTJ Hammer Combi.

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully inserted and charged.
Reduced power or performance.	Battery low on charge; tool overheating; worn bit.	Recharge battery. Allow tool to cool down. Replace bit if worn.
Bit not locking into chuck.	Chuck sleeve not pulled back sufficiently; debris in chuck.	Ensure sleeve is fully retracted. Clean chuck thoroughly.
Excessive vibration.	Bit bent or damaged; side handle loose.	Replace damaged bit. Tighten side handle.

If you encounter issues not listed here or if solutions do not resolve the problem, contact an authorized Makita service center.

Specifications

Key technical specifications for the Makita DHR243RTJ Hammer Combi.

Feature	Detail
Model Number	DHR243RTJ
Power Source	Battery Powered
Battery Voltage	18 Volts
Battery Type	Lithium-Ion (BL1850, 5.0Ah included)
Motor Type	Brushless
Chuck Type	SDS-PLUS Quick Change, Cylindrical Quick Change
Impact Energy	2.0 Joules (single impact strength)

Feature	Detail
No-Load Speed	0-950 RPM
Impact Rate	0-4700 min^{-1}
Drilling Capacity (Concrete)	24 mm
Drilling Capacity (Wood)	27 mm
Drilling Capacity (Steel)	13 mm
Weight (with battery)	3.2-3.7 kg (EPTA)
Dimensions (L x W x H)	35 x 17 x 23.8 cm
Included Components	MAKPAC size 4, Grip Holder, Contact Protection, Depth Stop, Hex Screw, Battery BL1850, Charger DC18RC, Quick Change Feed SDS+, Quick Change Feed (Cylindrical), Side Handle 36

Warranty Information

For detailed warranty information regarding your Makita DHR243RTJ Hammer Combi, please refer to the warranty card included with your product or visit the official Makita website. Warranty terms and conditions may vary by region and product type.

Support and Service

If you require technical assistance, spare parts, or service for your Makita DHR243RTJ, please contact your local authorized Makita service center or visit the official Makita website for support resources.
Official Makita Website: www.makita.ca
You can also find more information at theMakita Store on Amazon.

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