Makita HR2470

Makita HR2470 Rotary Hammer Drill Instruction Manual

Model: HR2470

1. Introduction

This instruction manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Makita HR2470 Rotary Hammer Drill. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

1.1 Safety Information

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

- Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
- Ensure the work area is 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.
- Keep children and bystanders away while operating a power tool.
- Always disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- Maintain the tool with care. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.

1.2 Product Overview

The Makita HR2470 is a versatile rotary hammer drill designed for drilling, hammer drilling, and chiseling applications. It features a compact and powerful design, compatible with SDS PLUS insert tools, making it suitable for various construction and renovation tasks.



Figure 1: Makita HR2470 Rotary Hammer Drill with accessories and carrying case.

2. Setup

2.1 Unpacking and Initial Inspection

Carefully remove the tool and all accessories from the packaging. Inspect the tool for any damage that may have occurred during transit. Ensure all listed components are present.

2.2 Attaching the Side Handle

The side handle provides additional control and stability during operation. Loosen the handle clamp, slide the handle onto the tool's barrel, and rotate it to a comfortable position. Tighten the clamp securely.

2.3 Installing and Removing SDS-Plus Bits

1. **Installation:** Clean the bit shank and apply a small amount of grease. Pull back the tool holder cover, insert the bit into the chuck until it locks, then release the cover. Pull the bit lightly to ensure it is securely seated.
2. **Removal:** Pull back the tool holder cover and pull the bit out of the chuck.



Figure 2: Detail of the SDS-Plus chuck for quick bit changes.

3. Operation

3.1 Powering On/Off

To start the tool, press the trigger switch. To stop, release the trigger switch. For continuous operation, press the lock-on button while the trigger is depressed, then release the trigger. To stop from continuous operation, press the trigger switch

fully, then release it.

3.2 Mode Selection

The HR2470 offers three operating modes, selected via the mode change lever:

- **Rotation Only:** For drilling in wood, metal, or plastic.
- **Rotation with Hammering:** For drilling in concrete, masonry, or stone.
- **Hammering Only:** For chiseling, chipping, or scaling operations.

Ensure the mode selector is fully engaged in the desired position before starting the tool.

3.3 Drilling Operation

Select "Rotation Only" mode. Apply light pressure and allow the tool to do the work. For deeper holes, periodically withdraw the bit to clear debris.

3.4 Hammer Drilling Operation

Select "Rotation with Hammering" mode. Hold the tool firmly with both hands. Apply moderate pressure and let the hammering action penetrate the material. Do not force the tool.



Figure 3: Makita HR2470 being used for hammer drilling into a concrete surface.

3.5 Chiseling Operation

Select "Hammering Only" mode. Insert the chisel bit. Position the chisel at the desired angle and apply steady pressure. The tool's hammering action will break up the material.

4. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your tool. Always disconnect the tool from the power source before performing any maintenance.

4.1 Cleaning

- Wipe the tool body with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clean the ventilation openings regularly to prevent overheating.
- Remove dust and debris from the chuck and bit holder after each use.

4.2 Lubrication

The SDS-Plus chuck mechanism benefits from periodic lubrication. Apply a small amount of SDS-Plus grease to the bit shank before insertion to reduce wear and ensure smooth operation.

4.3 Storage

Store the tool in a dry, secure location, out of reach of children. If storing for extended periods, ensure it is clean and free of debris.

5. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	No power supply; Faulty switch; Damaged cord	Check power connection; Contact service center; Inspect cord for damage
Reduced drilling performance	Worn bit; Incorrect mode selection; Overheating	Replace bit; Select correct mode (e.g., hammer drilling for masonry); Allow tool to cool down
Excessive vibration	Bent bit; Loose side handle; Internal issue	Replace bit; Tighten side handle; Contact service center

6. Specifications

Feature	Detail
Model	HR2470
Power Source	Corded Electric
Voltage	220 Volts
Wattage	780 Watts (Maximum Power: 850 Watts)
Speed	4500 RPM
Item Weight	5.7 Kilograms (12.54 pounds)
Product Dimensions	12.2"L x 7.48"W x 18.11"H
Drill Type	Rotary Hammer Drill
Chuck Type	SDS-Plus
Drilling Capacity (Wood)	5 Centimeters
Drilling Capacity (Metal)	4 Centimeters
Material	Metal
Special Feature	Compact design

7. Warranty and Support

For information regarding warranty coverage, service, or technical support, please refer to the warranty card included with

your product or visit the official Makita website. Keep your purchase receipt as proof of purchase.
Makita Official Website: www.makita.com

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