Makita HM1511/2

Makita HM1511/2 Electric Breaker User Manual

Model: HM1511/2 | Brand: Makita

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita HM1511/2 Electric Breaker. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Figure 1: Makita HM1511/2 Electric Breaker, showing its robust design and ergonomic handle.

2. Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep the 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:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate work gloves. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- **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 before making any adjustments, changing accessories, or storing power tools.
- **Vibration Reduction:** This tool features Anti-Vibration Technology (AVT). However, prolonged use can still cause vibration-related injuries. Take regular breaks and use proper grip techniques.

3. Package Contents

Verify that all items are present upon unpacking:

- 1 x Makita HM1511/2 Electric Breaker
- 1 x Carry Bag
- 1 x Side Handle
- 1 x Pointed Chisel Bit
- 1 x User Manual (this document)

4. Setup

4.1 Attaching the Side Handle

1. Loosen the clamping bolt on the side handle.
2. Slide the side handle onto the tool's barrel.
3. Adjust the handle to a comfortable and secure position. The handle can rotate 360 degrees for optimal control.
4. Tighten the clamping bolt firmly to secure the handle.

4.2 Installing the Chisel Bit

The HM1511/2 uses a 30mm hexagonal shank system.

1. Ensure the tool is unplugged from the power source.
2. Clean the shank of the chisel bit and apply a small amount of chisel grease (not included) to prevent wear.
3. Insert the chisel bit into the tool holder until it clicks into place. Pull on the bit to ensure it is securely locked.
4. To remove, pull back the locking collar and pull out the bit.

5. Operating Instructions

5.1 Powering On/Off

- To start the tool, slide the ON/OFF switch to the "ON" position.
- For continuous operation, the switch can be locked in the "ON" position.
- To stop the tool, slide the ON/OFF switch to the "OFF" position.

5.2 Soft Start Feature

The tool is equipped with a soft start feature, which gradually increases the motor speed upon startup. This reduces initial torque shock and provides better control.

5.3 Variable Speed Control

The HM1511/2 features adjustable speed control, allowing you to match the impact rate to the specific application. Refer to the control dial or switch for speed adjustment.

5.4 "Soft No Load" Function

When the tool is idling (not under load), the "Soft No Load" function automatically reduces the motor speed. This minimizes vibrations and noise, improving user comfort and extending tool life. The speed will automatically increase when the tool is applied to the workpiece.

5.5 Anti-Vibration Technology (AVT)

The integrated AVT system significantly reduces vibrations transmitted to the user, enhancing comfort and allowing for longer periods of use.



Figure 2: Proper handling of the Makita HM1511/2 during demolition work, demonstrating the use of the side handle for control.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your tool. Always unplug the tool before performing any maintenance.

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Wipe down the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Lubrication:** Periodically apply chisel grease to the shank of the bits to reduce friction and wear in the tool holder.
- **Carbon Brushes:** The tool has a service indicator. When this indicator illuminates, it signifies that the carbon brushes are nearing the end of their life and require replacement by a qualified service center.
- **Cord Inspection:** Regularly inspect the power cord for any damage, cuts, or fraying. Replace damaged cords immediately.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	No power supply; ON/OFF switch in "OFF" position; damaged cord.	Check power outlet and circuit breaker; ensure switch is "ON"; inspect and replace cord if damaged.
Reduced impact force.	Worn chisel bit; carbon brushes worn out; internal mechanical issue.	Replace chisel bit; check service indicator and replace brushes if needed (professional service recommended); contact service center.
Excessive vibration.	Improperly installed bit; internal component wear.	Re-install bit correctly; if problem persists, contact service center.
Service indicator light is on.	Carbon brushes are worn and need replacement.	Take the tool to an authorized Makita service center for brush replacement.

8. Specifications

Feature	Detail
Model Number	HM1511/2
Power Source	Corded Electric
Voltage	240 V
Input Power	1850 Watts
Impact Energy	48.9 J
Shank Type	30mm Hexagonal

Feature	Detail
Weight	19.2 Kilograms
Special Features	Soft Start, Variable Speed, "Soft No Load" Function, Anti-Vibration Technology (AVT), Double Insulation, Operation Indicator, Service Indicator
Included Components	Electric Breaker, Carry Bag, Side Handle, Pointed Chisel Bit

9. Warranty and Support

The Makita HM1511/2 comes with a 1-year manufacturer's warranty. An additional 2 years of warranty can be obtained by registering the product within 30 days of purchase.
For warranty claims, technical support, or service inquiries, please contact your authorized Makita dealer or visit the official Makita website for service center locations.
Official Makita Website: www.makita.com

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