Makita B-65589

Makita B-65589 23 Piece Ratchet and Socket Set

Model: B-65589

Introduction

This manual provides comprehensive instructions for the safe and effective use, maintenance, and care of your Makita B-65589 23 Piece Ratchet and Socket Set. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its lifespan.



Image: The Makita B-65589 23 Piece Ratchet and Socket Set, neatly organized within its durable teal plastic carry case. The set includes various sockets, a ratchet, and extension bars.

Product Components

The Makita B-65589 23 Piece Ratchet and Socket Set includes the following components:

- **½" SQ 84T Ratchet:** A high-quality ratchet with 84 teeth for fine adjustments and a low profile teardrop head.
- **½" SQ Adapter to 3/8" SQ:** Allows for compatibility with 3/8" square drive sockets.
- **½" SQ Universal Joint:** Provides flexibility for working at angles.
- **18 x ½" SQ Sockets:** A comprehensive range of sockets for various fastener sizes.
- **½" SQ Extension Bar (5"):** For reaching fasteners in recessed areas.
- **½" SQ Extension Bar (10"):** A longer extension bar for extended reach.

- **Plastic Carry Case:** A durable case for organized storage and transport of all components.

Setup

The Makita B-65589 set is designed for immediate use. Follow these steps to prepare your tools:

1. **Unpack the Set:** Open the plastic carry case and ensure all 23 pieces are present and accounted for according to the "Product Components" list.
2. **Inspect Components:** Before first use, visually inspect each tool for any signs of damage or manufacturing defects. Do not use damaged tools.
3. **Familiarize Yourself:** Identify the different socket sizes, the ratchet, extension bars, and the universal joint. Understand their respective functions.

Operation

Using the Makita B-65589 Ratchet and Socket Set is straightforward. Always ensure you select the correct size socket for the fastener to prevent damage to both the fastener and the tool.

Attaching and Detaching Sockets

- **To Attach:** Align the square drive of the desired socket with the square drive of the ratchet or extension bar. Push the socket firmly onto the drive until it clicks into place. The angled entry guides the socket onto the fastener.
- **To Detach:** Press the push button located on the head of the ratchet or extension bar. While holding the button, pull the socket off the drive. This quick-release mechanism ensures easy and secure socket changes.

Using the Ratchet

- **Direction Control:** The ratchet features a recessed switch lever on its head. Flip this lever to change the direction of rotation (clockwise for tightening, counter-clockwise for loosening). Ensure the lever is fully engaged in the desired direction before applying torque.
- **Accessing Tight Spaces:** The low profile teardrop head and recessed switch lever are designed to allow access to fasteners in confined or tight spaces.
- **Applying Torque:** Once the socket is securely attached and the ratchet direction is set, place the socket onto the fastener. Apply steady, even pressure to the ratchet handle to turn the fastener. The 84-tooth mechanism allows for fine adjustments and minimal swing arc.

Using Extension Bars and Universal Joint

- **Extension Bars:** Use the 5" or 10" extension bars to reach fasteners that are deep-set or otherwise inaccessible with the ratchet alone. Attach them between the ratchet and the socket.
- **Universal Joint:** The universal joint allows the socket to pivot, enabling you to turn fasteners at an angle where direct access is not possible. Attach it between the extension bar (if used) and the socket, or directly to the ratchet.

Important: Always wear appropriate personal protective equipment, such as safety glasses, when using hand tools.

Maintenance

Proper maintenance will extend the life of your Makita Ratchet and Socket Set and ensure its continued performance.

- **Cleaning:** After each use, wipe down all components with a clean, dry cloth to remove dirt, grease, and debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of the ratchet mechanism to ensure smooth operation and prevent corrosion.

- **Storage:** Always store the set in its original plastic carry case. This protects the tools from dust, moisture, and impact, and keeps them organized. Store in a dry environment.
- **Inspection:** Regularly inspect tools for wear, cracks, or damage. Replace any worn or damaged components immediately to prevent injury or further tool damage.

Troubleshooting

Most issues with hand tools can be resolved with proper usage and maintenance. Here are some common scenarios:

- **Socket not fitting fastener:** Ensure you are using the correct size socket for the fastener. Imperial and metric fasteners require specific socket sizes.
- **Socket slipping on fastener:** This indicates either the wrong size socket is being used, the fastener is stripped, or the socket itself is worn. Replace worn sockets and ensure correct sizing. The set is designed to provide a stronger grip on fasteners and reduce rounding.
- **Ratchet mechanism sticking or not engaging:** The ratchet mechanism may be dirty or require lubrication. Clean the ratchet head thoroughly and apply a small amount of light machine oil to the internal mechanism.
- **Difficulty detaching sockets:** Ensure the quick-release push button is fully depressed when attempting to remove a socket. If it's still difficult, check for debris around the detent ball.

If you encounter persistent issues not covered here, please refer to the "Warranty and Support" section for contact information.

Specifications

Feature	Detail
Model Number	B-65589
Brand	Makita
Number of Pieces	23
Drive Size	½" SQ (with 3/8" SQ adapter)
Ratchet Teeth Count	84T
Material	Chrome Steel, Plastic (case)
Finish Type	Chrome
Item Weight	1.8 Kilograms (approx. 3.96 pounds)
Item Length	15 Inches
Head Style	Hex (for sockets)
Power Source	Hand Powered
UPC	088381537520
Date First Available	May 17, 2020

Warranty and Support

Makita products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Makita website.
For technical support, replacement parts, or warranty claims, please contact Makita customer service or visit their official brand store:

Makita Official Store: Visit Makita Store on Amazon

Manufacturer Website: Refer to your product packaging for the official Makita website or search online for "Makita Tools Official Website".

Please have your model number (B-65589) and purchase information ready when contacting support.

Ask a question about this manual

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Example: How do I reset this device or fix this error?

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