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Makita DUR193Z

Makita Edge Cutter BL 18V LXT Telescopic DUR193Z String Trimmer User Manual

Model: DUR193Z

Introduction

Thank you for choosing the Makita Edge Cutter BL 18V LXT Telescopic DUR193Z String Trimmer. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new string trimmer. Please read this manual thoroughly before use and keep it for future reference.



Figure 1: The Makita DUR193Z String Trimmer, a lightweight and versatile tool designed for efficient lawn and garden maintenance.

Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This section outlines critical safety guidelines for the Makita DUR193Z String Trimmer.

- **General Safety:** Do not use the device near water. Keep out of reach of children. If handled incorrectly, damage may occur.
- **Personal Protective Equipment (PPE):** Always wear eye protection (safety glasses or goggles), hearing protection, and sturdy footwear when operating the trimmer. Long pants and gloves are also recommended.
- **Work Area Safety:** Keep the work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep bystanders, children, and pets away while operating the trimmer.

- **Electrical Safety:** Ensure the battery pack is fully charged before use. Do not expose the trimmer to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Tool Use and Care:** Do not force the tool. Use the correct tool for your application. Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Maintain tools with care. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool repaired before use.

Components

Familiarize yourself with the main components of your Makita DUR193Z String Trimmer for proper assembly and operation.



Figure 2: Key components of the Makita DUR193Z String Trimmer, highlighting its ergonomic and functional design.

- **Lock-Off Safety Lever:** Prevents accidental start-up, ensuring user safety.
- **Adjustable Loop Handle:** Designed for greater control and convenience during operation.
- **Telescopic Shaft with Lever Release:** Allows quick and easy adjustment of the shaft length from 48-1/4" to 56-1/2" (122.8 - 143.6 cm) for optimum cutting position.

- **Trimmer Head:** Rotates 180° to enable easy edge trimming.
- **eXtreme Protection Technology (XPT):** Provides maximum protection against dust, debris, and water, enhancing durability.
- **Cutting Width:** The trimmer offers a cutting width of 10-1/4" (26 cm).

Setup

Before using your string trimmer, follow these steps for proper assembly and adjustment.

1. **Attach the Guard:** Securely attach the cutting guard to the trimmer head using the provided fasteners. Ensure it is firmly in place to protect against debris.
2. **Install the Loop Handle:** Position the adjustable loop handle on the shaft. Use the adjustment knob to tighten it securely at a comfortable position for your grip.



Figure 3: Adjusting the loop handle for optimal comfort and control during operation.

3. **Adjust Telescopic Shaft Length:** Release the lever on the telescopic shaft and extend or retract the shaft to your desired length. Lock the lever back into place to secure the shaft. This allows for comfortable use by operators of

varying heights.



Figure 4: Extending or retracting the telescopic shaft to achieve the ideal operating length.

4. **Insert Battery:** Ensure the battery is fully charged. Align the battery pack with the battery port on the trimmer and slide it in until it clicks into place. (Note: Battery and charger are sold separately for this model).

Operating

Follow these instructions for safe and effective operation of your Makita DUR193Z String Trimmer.

1. **Starting the Trimmer:** To start the trimmer, first depress the lock-off safety lever, then pull the trigger switch. Release the lock-off lever once the trimmer starts.



Figure 5: Engaging the lock-off safety lever before pulling the trigger to start the trimmer.

2. **Trimming Grass:** Hold the trimmer firmly with both hands. Swing the trimmer from side to side, keeping the cutting head parallel to the ground. Maintain a steady pace for an even cut.



Figure 6: Demonstrating proper technique for trimming grass with the Makita DUR193Z.

3. **Edge Trimming:** For precise edging along sidewalks or driveways, the trimmer head can rotate 180°. Adjust the head by pressing the release button and rotating it until it locks into the edging position.



Figure 7: The trimmer head pivots to allow for precise edging, as shown in this close-up.



Figure 8: The trimmer effectively cutting along an edge, demonstrating its 180° rotating head feature.

4. **Stopping the Trimmer:** Release the trigger switch to stop the trimmer. Always remove the battery pack when not in use or before performing any adjustments or maintenance.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Makita DUR193Z String Trimmer.

- **Cleaning:** After each use, clean the trimmer body and guard with a dry cloth. Remove any grass clippings or debris from the cutting head and ventilation slots. Do not use water or chemical cleaners.
- **Line Replacement:** When the trimmer line becomes short or breaks, replace it with the recommended diameter line. Refer to the product specifications for the correct line type.
- **Blade Inspection (if applicable):** If your model uses a blade, inspect it regularly for damage or dullness. Replace damaged blades immediately.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store batteries in a discharged state for extended periods.
- **Storage:** Store the trimmer in a dry, secure location, out of reach of children. Ensure the battery is removed before storage.

Troubleshooting

This section addresses common issues you might encounter with your string trimmer.

Problem	Possible Cause	Solution
Trimmer does not start.	Battery not inserted correctly or discharged. Safety lever not depressed.	Ensure battery is fully charged and properly inserted. Depress the lock-off safety lever before pulling the trigger.
Trimmer line not feeding.	Line tangled or too short. Wrong line diameter.	Inspect and untangle the line. Replace with new line if too short. Ensure correct line diameter is used.
Reduced cutting performance.	Dull or worn trimmer line. Excessive grass buildup on head.	Replace the trimmer line. Clean the trimmer head and guard thoroughly.
Excessive vibration.	Damaged or unbalanced cutting head/line. Loose components.	Inspect the cutting head and line for damage and replace if necessary. Check all fasteners for tightness. If vibration persists, contact customer support.

Specifications

Detailed technical specifications for the Makita DUR193Z String Trimmer.

Brand	Makita
Model Number	DUR193Z
Power Source	Battery Powered (18V LXT)
Cutting Width	260 Millimeters (10-1/4 inches)
Item Weight	2.6 Kilograms (5.72 pounds)
Product Dimensions	66.93 x 7.32 x 10.47 inches
Material	Iron, Plastic, Alloy Steel, Nylon
Color	Black
Operation Mode	Manual
UPC	088381762670

Warranty and Support

Makita products are manufactured under strict quality control standards. 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 proof of purchase for warranty claims.
For further assistance, you may contact Makita customer service directly or visit an authorized service center.

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