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Makita 191D93-3

Instruction Manual: Makita Tap&Go 191D93-3 Trimmer Head

Model: 191D93-3

1. Introduction

This manual provides essential information for the safe and effective use, installation, and maintenance of your Makita Tap&Go 191D93-3 Trimmer Head. This accessory is designed for use with compatible Makita cordless grass trimmers and brush cutters, providing an efficient solution for trimming and edging tasks.
The Tap&Go system allows for automatic line extension by simply tapping the trimmer head on the ground while the tool is operating, ensuring continuous cutting without interruption.

2. Safety Instructions

WARNING: Always read and understand all safety warnings and instructions provided with your power tool before installing or operating this trimmer head. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment (PPE):** Always wear appropriate eye protection (safety glasses or goggles), hearing protection, and heavy-duty gloves when operating a string trimmer. Long pants and sturdy footwear are also recommended.
- **Tool Compatibility:** Ensure this trimmer head (M10 x 1.25 Left Thread) is compatible with your specific Makita grass trimmer or brush cutter model. Refer to your power tool's manual for compatible accessories.
- **Installation:** Ensure the trimmer head is securely fastened to the trimmer shaft according to the instructions in this manual and your power tool's manual. A loose head can be a projectile hazard.
- **Inspection:** Before each use, inspect the trimmer head and line for any damage, cracks, or excessive wear. Replace damaged parts immediately.
- **Clear Work Area:** Keep bystanders, children, and pets at a safe distance (at least 50 feet / 15 meters) from the operating area. Clear the work area of debris that could be thrown by the cutting line.
- **Line Management:** Do not use metal wire, chain, or other non-standard cutting attachments. Only use the specified nylon trimmer line.
- **Avoid Overloading:** Do not force the trimmer head into dense vegetation. Allow the tool to operate at its intended speed.

- **Maintenance:** Disconnect the power tool's battery or power source before performing any maintenance, cleaning, or line replacement on the trimmer head.

3. Package Contents

Verify that all items are present upon opening the package:

- Makita Tap&Go 2-Thread Trimmer Head (Model: 191D93-3)
- Pre-installed 2.4 mm Four-Leaf Mowing Line (approx. 4 meters long)



Image: Packaging of the Makita Tap&Go 191D93-3 trimmer head, showing the product inside the box with specifications.

4. Specifications

Attribute	Value
Model Number	191D93-3
Thread Size	M10 x 1.25, Left Thread
Head Diameter	130 mm (approx. 5 inches)
Line Type	Four-Leaf Mowing Line
Line Diameter	2.4 mm
Line Length (pre-installed)	4 meters
Item Weight	Approx. 1.16 pounds (0.53 kg)
Product Dimensions	Approx. 19.69 x 23.62 x 3.94 inches (50 x 60 x 10 cm)
Compatible Tools	Makita petrol sense EBH341U, EM4350, EM4351U, EM2651LH, and other compatible cordless grass trimmers/brush cutters with M10 x 1.25 Left Thread.

5. Setup and Installation

Before installation, ensure your grass trimmer or brush cutter is turned off and the battery pack is removed (for cordless models) or the spark plug cap is disconnected (for petrol models) to prevent accidental starting.

5.1 Attaching the Trimmer Head

1. Locate the spindle on your trimmer's gear case.
2. Align the trimmer head's internal thread with the spindle's thread. This head uses an M10 x 1.25 Left Thread, meaning you will turn it counter-clockwise to tighten.
3. Carefully thread the trimmer head onto the spindle. Hand-tighten first to ensure it's not cross-threaded.
4. Once hand-tight, use a wrench (if provided with your trimmer) to firmly secure the trimmer head. Do not overtighten, but ensure it is snug to prevent loosening during operation.



Image: Top view of the Makita Tap&Go trimmer head, showing the central mechanism and pre-installed line.

5.2 Loading/Replacing Trimmer Line

The Makita Tap&Go head is designed for easy line loading without disassembling the head. It supports 2.4 mm diameter

line.

1. **Prepare the Line:** Cut a new length of 2.4 mm trimmer line, typically 4-6 meters (13-20 feet) depending on the head's capacity. Refer to your trimmer's manual for recommended line length.
2. **Align the Arrows:** Rotate the inner spool of the trimmer head until the arrows on the spool align with the eyelets on the outer casing.
3. **Feed the Line:** Push one end of the trimmer line through one eyelet and continue pushing it straight through the head until it exits the opposite eyelet.
4. **Equalize Lengths:** Pull the line through until an equal length of line extends from both sides of the trimmer head.
5. **Wind the Line:** Rotate the knob on the top of the trimmer head clockwise (in the direction indicated by the winding arrow) to wind the line evenly into the spool. Continue winding until only the desired length of line extends from the eyelets (typically 10-15 cm or 4-6 inches).



Image: Front view of the Makita Tap&Go trimmer head, showing the line exit points and the winding mechanism.

6. Operating Instructions

The Makita Tap&Go trimmer head is designed for convenient line advancement during operation.

1. **Start the Trimmer:** Follow your power tool's instructions to start the grass trimmer or brush cutter. Allow the head to reach full operating speed.
2. **Advance the Line:** When the cutting line becomes too short, lightly tap the rotating trimmer head on a firm, flat surface (e.g., the ground). The impact will release a small amount of line from the spool.
3. **Line Cutter:** Most trimmers have a line cutter blade on the guard. The excess line will be automatically trimmed to the correct length as it extends.
4. **Repeat as Needed:** Continue to tap the head as necessary to maintain an optimal cutting line length.

Important: Do not tap the head on hard surfaces like concrete or rocks excessively, as this can cause premature wear to the head. Use a soft, firm surface like grass or soil.

7. Maintenance

Regular maintenance ensures optimal performance and extends the life of your trimmer head.

- **Cleaning:** After each use, disconnect the power tool's power source and clean the trimmer head. Remove any accumulated grass, dirt, or debris from the head, especially around the line exit eyelets and the tapping mechanism. A stiff brush or compressed air can be used.
- **Inspect for Wear:** Regularly inspect the trimmer head for signs of wear, cracks, or damage. Pay close attention to the eyelets where the line exits, as these can wear down over time. If the head is significantly worn or damaged, replace it.
- **Line Storage:** Store spare trimmer line in a cool, dry place to prevent it from becoming brittle. Soaking new line in water for 24 hours before use can improve its flexibility and reduce breakage.
- **Lubrication:** The Tap&Go mechanism typically does not require lubrication. Refer to your trimmer's manual for any specific lubrication requirements for the gear case.

8. Troubleshooting

Problem	Possible Cause	Solution
Line does not advance when tapped.	• Line is tangled or jammed inside the spool. • Line is too short to advance. • Eyelets are clogged with debris. • Head is not spinning at full speed.	• Disconnect power, remove head, and manually untangle/re-spool line. • Replace with new line. • Clean eyelets thoroughly. • Ensure trimmer is operating at full throttle/speed.
Line breaks frequently.	• Line is old, dry, or brittle. • Using incorrect line diameter. • Cutting against hard objects (fences, rocks). • Eyelets are worn, creating sharp edges.	• Use fresh, high-quality 2.4 mm line. Consider soaking new line in water before use. • Ensure line is 2.4 mm diameter. • Adjust cutting technique to avoid impacts. • Inspect and replace head if eyelets are worn.
Trimmer head is difficult to attach/remove.	• Cross-threaded during installation. • Debris in threads.	• Ensure correct thread direction (left-hand thread, tighten counter-clockwise). • Clean threads on both head and spindle.

9. Warranty and Support

Makita products are manufactured to high standards and undergo rigorous quality control. For specific warranty information regarding your Makita Tap&Go 191D93-3 Trimmer Head, please refer to the warranty documentation included with your original purchase or visit the official Makita website.
For technical support, spare parts, or service inquiries, please contact Makita customer service or an authorized Makita service center. You can find contact information and a list of service centers on the official Makita website:



Image: Back view of the Makita Tap&Go trimmer head, showing the attachment point and overall construction.

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