Makita 191N31-5

Makita 191N31-5 EM408MP Brush Cutter Attachment User Manual

Model: 191N31-5

Introduction

This manual provides essential information for the safe and effective use of your Makita 191N31-5 EM408MP Brush Cutter Attachment. Please read these instructions thoroughly before assembly, operation, or maintenance to ensure optimal performance and user safety. This attachment is designed for use with compatible Makita DUX18 18V Split Shaft power units.

Safety Information

Your safety and the safety of others are paramount. Always adhere to the following safety guidelines when operating the brush cutter attachment.

- **Personal Protective Equipment (PPE):** Always wear protective glasses and appropriate clothing, including sturdy footwear, long pants, and gloves, when operating this tool.
- **Protective Cover:** Do not use the plastic cutting head or metal cutting blade without the divided protective cover properly installed. This cover is essential for deflecting debris.
- **Clearance:** Always keep hands and feet away from the cutting area during operation. Maintain a safe distance from bystanders and pets (at least 15 meters or 50 feet).
- **Debris:** Be aware of flying debris. Ensure the work area is clear of obstacles that could be thrown by the cutting head.
- **Inspection:** Before each use, inspect the attachment for any damage, loose parts, or worn components. Do not operate if damaged.
- **Compatibility:** Only use this attachment with Makita DUX18 18V Split Shaft power units as specified.



Image: Safety warning labels indicating important precautions such as reading the manual, maintaining distance from others, awareness of flying debris, and the necessity of wearing eye protection, gloves, and sturdy footwear. The label also shows the maximum RPM of 9000.

Setup and Assembly

Follow these steps to properly assemble the brush cutter attachment to your Makita DUX18 18V Split Shaft power unit.

1. **Unpack Components:** Carefully remove all components from the packaging. Verify that all parts are present according to the packing list.
2. **Attach Protective Cover:** Securely fasten the divided protective cover to the attachment shaft. Ensure it is oriented correctly to provide maximum protection from debris.
3. **Connect to Power Unit:** Align the attachment shaft with the coupling on your Makita DUX18 18V Split Shaft power unit. Push the attachment firmly into the coupling until it clicks into place. Ensure the locking mechanism is engaged.
4. **Secure Connection:** Tighten any securing knobs or levers on the power unit's coupling to prevent the attachment from detaching during operation.
5. **Install Cutting Head:** Depending on your task, install either the plastic cutter head (255mm), metal cutting blade (230mm), or line head (300mm). Refer to the specific instructions for installing each type of cutting head, ensuring it is securely fastened and correctly aligned.



Image: The Makita 191N31-5 EM408MP Brush Cutter Attachment shown fully assembled, ready for connection to a power unit. It features a long shaft, a protective guard, and a line cutting head.

Operating Instructions

Before operating, ensure you have read and understood all safety warnings. Always wear appropriate PPE.

Pre-Operation Checklist:

- Ensure the attachment is securely connected to the power unit.
- Verify the cutting head is correctly installed and tightened.
- Check the protective cover for proper positioning and security.
- Clear the work area of any large debris, rocks, or objects that could be thrown.
- Ensure no bystanders or pets are within the 15-meter (50-foot) safety zone.

Using the Attachment:

1. **Starting:** Follow the starting procedure for your Makita DUX18 18V Split Shaft power unit.
2. **Cutting Technique:**

- For grass and light weeds with the line head, use a sweeping motion, cutting from right to left to direct debris away from you.
- For thicker brush or small saplings with the metal blade, approach the material slowly and steadily. Avoid forcing the blade.

3. **Maintaining Line Length (Line Head):** If using a line head, the line can typically be extended by tapping the head on the ground while the tool is running at low speed. Refer to your line head's specific instructions.
4. **Stopping:** Release the trigger or switch off the power unit according to its operating instructions. Allow the cutting head to come to a complete stop before setting the tool down.

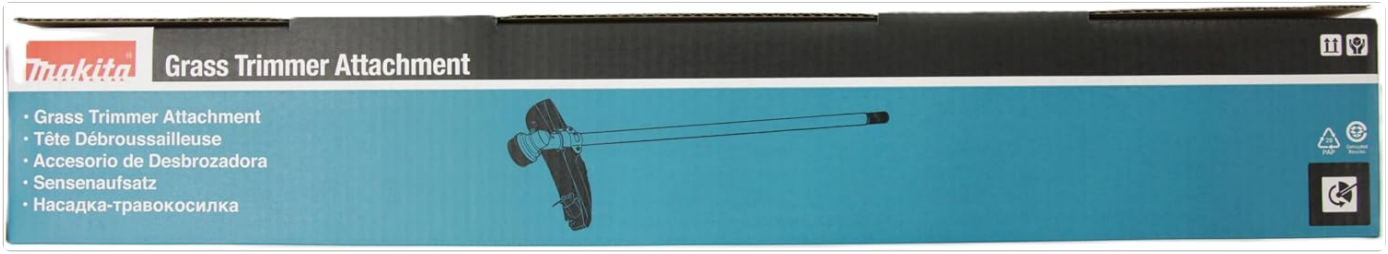


Image: A detailed view of the brush cutter attachment's cutting head, showing the line spool and the robust protective guard designed to shield the user from debris.

Maintenance

Regular maintenance ensures the longevity and safe operation of your attachment.

- **Cleaning:** After each use, clean the attachment, especially the cutting head and protective cover, to remove grass, dirt, and debris. Use a dry cloth or soft brush. Do not use harsh chemicals.
- **Inspection:** Regularly inspect the cutting head for wear or damage. Replace worn line, dull metal blades, or damaged plastic cutter heads promptly. Check all fasteners for tightness.
- **Storage:** Store the attachment in a clean, dry place, away from direct sunlight and extreme temperatures. Disconnect it from the power unit before storage.
- **Lubrication:** Refer to your power unit's manual for any lubrication requirements for the shaft coupling or gear head.

Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, contact Makita customer support.

Problem	Possible Cause	Solution
Attachment does not connect securely.	Misalignment or debris in coupling.	Ensure proper alignment and clear any debris from the coupling mechanism.
Poor cutting performance.	Dull blade/line, incorrect cutting head for material, or clogged head.	Replace dull cutting components. Use appropriate cutting head for the task. Clean debris from the cutting head and protective cover.
Excessive vibration.	Damaged or unbalanced cutting head, loose connection.	Inspect cutting head for damage and replace if necessary. Ensure attachment is securely fastened to the power unit.

Specifications

Feature	Detail
Model Number	191N31-5 (EM408MP)
Brand	Makita
Compatible Power Unit	Makita DUX18 18V Split Shaft
Cutting Head Compatibility	Plastic Cutter Head (255mm), Metal Cutting Blade (230mm), Line Head (300mm)
Protective Cover	Divided
Item Weight	3.47 Kilograms (7.63 pounds)
Product Dimensions	36.22 x 12.6 x 7.72 inches
Max Speed	9000 RPM
Assembly Required	Yes
UPC	088381574617

Warranty and Support

For information regarding warranty coverage, service, or technical support for your Makita 191N31-5 EM408MP Brush Cutter Attachment, please refer to the warranty card included with your original purchase or visit the official Makita website.

You can also visit the Makita Store on Amazon for more product information and support resources.

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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