Makita EM405MP

Instruction Manual

Makita EM405MP 17" String Trimmer Couple Shaft Attachment

Model: EM405MP

1. Introduction

This manual provides essential information for the safe and effective use of the Makita EM405MP 17-inch String Trimmer Couple Shaft Attachment. The EM405MP is designed to be used with compatible Makita multi-function power heads, such as the 18V x2 (36V) LXT Brushless Cordless Multi-Function Power Head (XUX01, sold separately). This attachment is engineered for efficient removal of brush and trimming of grass in various landscaping applications.
Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper handling and to prevent injury or damage.

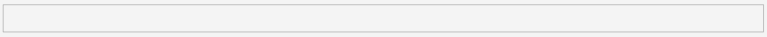


Figure 1: Makita EM405MP 17" String Trimmer Couple Shaft Attachment

2. Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using this product. Failure to follow these instructions may result in serious injury.

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the attachment and the power head before operation.
- **Personal Protective Equipment (PPE):** Always wear appropriate eye protection (safety glasses or goggles), hearing protection, heavy-duty long pants, long sleeves, and sturdy footwear.
- **Disconnect Power Source:** Before performing any assembly, adjustments, maintenance, or cleaning, always ensure the power head is turned off and the battery (if applicable) is removed or the power cord is disconnected.
- **Keep Bystanders Away:** Maintain a safe distance from other people, children, and pets during operation.
- **Inspect Before Use:** Check the attachment for any damaged or loose parts before each use. Do not operate if any damage is found.
- **California Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause

cancer and birth defects or other reproductive harm.

3. Package Contents

Upon opening the package, verify that all items are present and in good condition. If any items are missing or damaged, contact your dealer immediately.

- Makita EM405MP 17" String Trimmer Couple Shaft Attachment
- Bump and Feed Trimmer Head (pre-installed or separate)
- Guard Assembly
- Hex Wrench (e.g., 4mm Allen key for guard attachment)
- Instruction Manual (this document)

4. Setup

Follow these steps to properly assemble and attach the string trimmer attachment to your Makita multi-function power head.

1. **Unpack Components:** Carefully remove all parts from the packaging.
2. **Attach the Guard:** Secure the guard assembly to the trimmer head using the provided hardware and a 4mm Allen key. Ensure it is firmly tightened to prevent dislodging during operation.
3. **Prepare the Power Head:** Ensure your Makita multi-function power head (e.g., XUX01) is turned off and its battery is removed or power cord disconnected.
4. **Connect the Attachment:** Align the shaft of the EM405MP attachment with the coupling mechanism on the power head. Push the attachment firmly into the power head until it clicks securely into place. Ensure the locking pin engages properly.
5. **Verify Connection:** Gently pull on the attachment to confirm it is securely fastened to the power head and will not detach during use.
6. **Trimmer Head Preparation:** The EM405MP comes with a bump and feed trimmer head. The M10 x 1.25 LH shaft arbor is designed to fit common sized trimmer heads. If replacing the head or line, refer to the maintenance section.



Figure 2: Example of power tool internal components (for illustrative purposes)

5. Operating Instructions

Once the EM405MP attachment is securely connected to your power head, you are ready to begin operation.

- **Pre-Operation Check:** Before starting, ensure the area is clear of debris, rocks, and bystanders. Check the trimmer line for wear or damage.
- **Starting the Power Head:** Refer to your power head's instruction manual for specific starting procedures. Ensure you are in a stable and balanced position.
- **Trimming Technique:** Hold the power head and attachment firmly with both hands. Use a sweeping motion to cut grass and light brush. The 17-inch cutting swath allows for efficient coverage.
- **Feeding Trimmer Line:** The bump and feed trimmer head allows for quick and efficient line feed. To advance the

line, lightly tap the trimmer head on the ground while the unit is running at full speed.

- **Avoid Overloading:** Do not force the trimmer into thick brush or heavy weeds. Work in smaller passes to prevent stalling the motor and to ensure clean cuts.
- **Stopping Operation:** Release the trigger on the power head to stop the trimmer. Always remove the battery or disconnect the power cord when finished or before leaving the unit unattended.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your EM405MP attachment.

- **Cleaning:** After each use, clean the trimmer head and shaft with a dry cloth to remove grass clippings, dirt, and debris. Do not use harsh chemicals or abrasive cleaners.
- **Trimmer Line Replacement:** When the trimmer line becomes too short or breaks frequently, it needs to be replaced. Refer to the instructions provided with your specific trimmer line or the trimmer head for proper loading. Ensure you use the correct diameter line for your head.
- **Inspect Drive Shaft:** The steel drive shaft is designed for less vibration and longer equipment life. Periodically inspect the shaft for any signs of damage or excessive wear.
- **Guard Inspection:** Check the guard for cracks or damage. A damaged guard should be replaced immediately to ensure user safety.
- **Storage:** Store the attachment in a clean, dry place, away from direct sunlight and extreme temperatures. Disconnect it from the power head before storage.

7. Troubleshooting

This section addresses common issues you might encounter with your EM405MP attachment.

Problem	Possible Cause	Solution
Trimmer line breaks frequently	Old/poor quality line; incorrect line diameter; cutting against hard surfaces.	Replace with new, high-quality trimmer line of the correct diameter. Avoid hitting fences, concrete, or rocks.
Line not feeding from bump head	Line tangled inside head; insufficient line remaining; head not tapped correctly.	Remove head cover and untangle/re-spool line. Ensure sufficient line is loaded. Tap head firmly on ground while running at full speed.
Attachment does not connect securely to power head	Debris in coupling; locking pin not engaging.	Clean coupling area. Ensure attachment is fully inserted and locking pin clicks into place.
Excessive vibration	Damaged drive shaft; unbalanced trimmer head; loose components.	Inspect drive shaft for bends or damage. Check trimmer head for cracks or missing parts. Ensure all fasteners are tight.

8. Specifications

Feature	Specification
Model Number	EM405MP
Cutting Width	17 inches
Shaft Arbor	M10 x 1.25 LH
Drive Shaft	Steel
Trimmer Head Type	Bump and Feed
Item Weight	5.74 pounds
Product Dimensions	8.2 x 36.9 x 5.1 inches
Assembly Required	Yes
Recommended Uses	Landscaping, trimming grass, and removing brush
Country of Origin	China

9. Warranty and Support

For warranty information, please refer to the documentation provided with your Makita multi-function power head or visit the official Makita website. Makita stands behind its products with comprehensive support and service.
If you require assistance, have questions about your product, or need to locate a service center, please visit the official Makita website or contact Makita customer service directly.

Visit the Official Makita Store for Support

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