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## Makita EX2650LH, ER400MP

# Makita EX2650LH Power Head and ER400MP Curved String Trimmer Attachment User Manual

Model: EX2650LH Power Head, ER400MP Curved String Trimmer Attachment

## 1. PRODUCT OVERVIEW

This manual provides instructions for the safe and effective use of the Makita EX2650LH 25.4 cc MM4 4-Stroke Engine Couple Shaft Power Head and the ER400MP Curved String Trimmer Attachment. The power head is designed to accept various optional couple shaft attachments, offering versatility for different outdoor tasks. The ER400MP attachment is specifically designed for string trimming applications.



Figure 1: Makita EX2650LH Power Head (right) and ER400MP Curved String Trimmer Attachment (left).

## 2. SAFETY INFORMATION

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**WARNING: Read and understand all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- Always wear eye protection and gloves when operating the equipment.
- Be aware of flying debris during operation.
- Keep bystanders, especially children and pets, at a safe distance from the operating area.
- Ensure all guards and safety features are properly installed and functioning before use.
- Do not operate the equipment in wet conditions or in the presence of flammable liquids or gases.

## 3. COMPONENTS AND PARTS IDENTIFICATION

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### 3.1 EX2650LH Power Head

- **Engine:** 25.4 cc MM4 4-Stroke Engine.
- **Motor:** BL Brushless Motor.
- **Speed Control:** Three speed options (Low: 5,700 RPM, Medium: 8,200 RPM, High: 9,700 RPM).
- **Attachment Lock System:** Lever style for quick, tool-less installation and replacement of attachments.
- **Handle:** Ergonomic design for comfortable operation.

### 3.2 ER400MP Curved String Trimmer Attachment

- **Shaft Arbor:** M8 x 1.25 RH, compatible with common sized trimmer heads.
- **Trimmer Head:** Bump and feed type for efficient line advancement.
- **Cutting Swathe:** 17 inches for efficient grass cutting.
- **Guard:** Debris guard for operator protection.



Figure 2: Makita ER400MP Curved String Trimmer Attachment.

## 4. SETUP AND ASSEMBLY

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The Makita EX2650LH Power Head and ER400MP Curved String Trimmer Attachment require assembly before first use. Follow these steps carefully:

1. **Unpack Components:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged.

## 2. Attach Trimmer Attachment to Power Head:

- Align the shaft of the ER400MP Curved String Trimmer Attachment with the coupling on the EX2650LH Power Head.
- Push the attachment shaft into the power head coupling until it clicks into place.
- Secure the attachment using the lever style lock system on the power head. Ensure the attachment is firmly seated and cannot be pulled out.

3. **Install Trimmer Line (if not pre-installed):** Refer to the specific instructions for the bump and feed trimmer head for proper line loading. Ensure the correct diameter (0.095") and type of trimmer line (e.g., Makita T-03408 Round Trimmer Line) is used.

4. **Adjust Handle:** Adjust the auxiliary handle on the power head to a comfortable operating position, ensuring it provides good balance and control. Tighten securely.

5. **Fueling (for gas models):** If your model is gas-powered, fill the fuel tank with the appropriate fuel mixture as specified in the engine manual. Ensure the fuel cap is securely tightened.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Pre-Operation Checks

- Check that the trimmer line is properly installed and of adequate length.
- Ensure all fasteners are tight and guards are in place.
- Inspect the cutting area for any obstacles such as rocks, wires, or debris that could be thrown or damage the equipment.
- Wear appropriate personal protective equipment (PPE), including eye protection, gloves, long pants, and sturdy footwear.

### 5.2 Starting the Engine

Refer to the specific engine starting procedure outlined in the power head's dedicated engine manual. Generally, this involves:

1. Place the unit on a flat, stable surface.
2. Engage the choke (if applicable).
3. Prime the carburetor (if applicable).
4. Pull the starter cord firmly until the engine starts.
5. Disengage the choke gradually as the engine warms up.

### 5.3 Trimming Operation

- **Speed Selection:** The BL Brushless Motor offers three speed options (Low: 5,700 RPM, Medium: 8,200 RPM, High: 9,700 RPM). Select the appropriate speed for the task. Use lower speeds for lighter trimming and higher speeds for dense vegetation.
- **Cutting Technique:** Hold the trimmer firmly with both hands. Use a sweeping motion, cutting from right to left for optimal debris deflection. Maintain a safe distance from the cutting head.
- **Line Advancement:** The ER400MP features a bump and feed trimmer head. To advance the line, lightly tap the trimmer head on the ground while the engine is running at operating speed.
- **Cutting Swathe:** Utilize the 17-inch cutting swathe for efficient coverage.
- **Avoid Overloading:** Do not force the trimmer into heavy growth. Allow the trimmer line to do the work.

## 5.4 Shutting Down

- Release the throttle trigger.
- Allow the engine to idle for a few moments.
- Engage the engine stop switch to turn off the power head.
- Wait for all moving parts to come to a complete stop before setting the unit down or performing any maintenance.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your Makita equipment.

- **Cleaning:** After each use, clean the power head and attachment, removing grass clippings, dirt, and debris. Use a dry cloth or soft brush. Do not use water directly on the engine or electrical components.
- **Trimmer Line Replacement:** Replace worn or broken trimmer line as needed. Always use the recommended line type and diameter (0.095"). Refer to the trimmer head instructions for specific loading procedures.
- **Air Filter:** Regularly inspect and clean the air filter on the power head. A clogged air filter can reduce engine performance. Replace if damaged.
- **Spark Plug (for gas models):** Inspect and clean the spark plug periodically. Replace if worn or fouled.
- **General Inspection:** Periodically check all screws, nuts, and bolts for tightness. Inspect the cutting head and shaft for any signs of damage or wear.
- **Storage:** When storing the unit for an extended period, ensure the fuel tank is empty (for gas models) and the unit is clean and dry. Store in a cool, dry place, out of reach of children.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Engine does not start	No fuel; clogged fuel filter; faulty spark plug; incorrect starting procedure.	Check fuel level; clean/replace fuel filter; clean/replace spark plug; review starting instructions.
Engine runs poorly/lacks power	Dirty air filter; old/stale fuel; incorrect carburetor adjustment.	Clean/replace air filter; use fresh fuel; consult service center for carburetor adjustment.
Trimmer line does not advance	Line tangled; insufficient line remaining; incorrect line loading.	Inspect and untangle line; replace line; re-load line according to instructions.
Excessive vibration	Loose attachment; damaged cutting head; bent shaft.	Ensure attachment is securely locked; inspect cutting head for damage; contact service for bent shaft.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact a qualified Makita service technician.

## 8. SPECIFICATIONS

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Feature	Specification
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Feature	Specification
Brand	Makita
Power Head Model	EX2650LH
Engine Displacement	25.4 cc
Engine Type	MM4 4-Stroke
Speed Options (RPM)	Low: 5,700, Medium: 8,200, High: 9,700
Attachment Model	ER400MP Curved String Trimmer
Cutting Width	17 inches
Trimmer Head Type	Bump and Feed
Shaft Arbor	M8 x 1.25 RH
Item Weight (Power Head + Attachment)	Approximately 1 lbs (Note: This weight seems unusually low for the combined unit and may refer to a specific component or shipping weight. Refer to product packaging for accurate operational weight.)
Assembly Required	Yes

## 9. WARRANTY AND SUPPORT

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Makita products are manufactured under strict quality control standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Makita website. For technical support, replacement parts, or service inquiries, please contact Makita customer service or an authorized Makita service center.

You can find contact information and authorized service centers on the official Makita website: [www.makitatools.com](http://www.makitatools.com)