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> MZK 15-inch 2-in-1 Electric Dethatcher and Scarifier User Manual (Model ET2403-GL-1208)

## MZK ET2403-GL-1208

# MZK 15-inch 2-in-1 Electric Dethatcher and Scarifier User Manual

Model: ET2403-GL-1208

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## 1. SAFETY INFORMATION

Read all safety warnings and instructions before operating this electric dethatcher and scarifier. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

### General Safety Warnings

- **Keep work area clear:** Cluttered areas invite accidents.
- **Dress properly:** Do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Avoid accidental starting:** Ensure the switch is in the off position before plugging in the tool.
- **Stay alert:** Watch what you are doing and use common sense when operating power tools.
- **Do not overreach:** Maintain proper footing and balance at all times.
- **Secure the power cord:** Use the integrated cord retention hook to prevent accidental disconnection during operation.

### Electrical Safety

- **Grounding instructions:** This tool is double-insulated and requires no grounding.
- **Avoid body contact with grounded surfaces:** Such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- **Do not expose power tools to rain or wet conditions:** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord:** Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Use an extension cord suitable for outdoor use:** Ensure the extension cord is in good condition and rated for the power requirements of the dethatcher.



# CORD SECURED

## WATERPROOF PROTECTION FOR THE CORD & MAINTAIN PLUG CONNECTION

**Image Description:** A close-up view of the power cord connection point on the dethatcher's handle, showing a black plastic clip securing the extension cord to the tool's cord, labeled "CORD SECURED" with text "WATERPROOF PROTECTION FOR THE CORD & MAINTAIN PLUG CONNECTION". This illustrates how to properly secure the power cord to prevent accidental disconnection and ensure waterproof protection.

## 2. PRODUCT OVERVIEW

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The MZK 15-inch 2-in-1 Electric Dethatcher and Scarifier is designed to remove thatch and aerate your lawn, promoting healthier grass growth. It features a powerful electric motor, adjustable depth settings, and interchangeable blades for dethatching and scarifying.

### Key Features

- **Powerful Electric Motor:** Equipped with a copper motor, delivering 3700 RPM for efficient thatch removal.
- **15-Inch Working Width:** Provides efficient coverage for quick yard cleaning.
- **5-Position Height Adjustment:** Easily adjust working depth from -0.47" to 0.24" for precise lawn care.

- **2-in-1 Quick-Release Blades:** Includes interchangeable dethatcher (spring tines) and scarifier (fixed blades) for versatile use.
- **Large 45L Collection Bag:** Collects thatch and debris, reducing cleanup time.
- **Foldable Handle:** For convenient storage and transport.
- **Dual Safety Switches:** Ensures safe operation by preventing accidental starts.
- **8-Inch Tires:** Designed for easy maneuverability across various lawn terrains.

## Components Diagram

Familiarize yourself with the main components of your dethatcher/scarifier.



**Image Description:** A full view of the MZK 15-inch 2-in-1 Electric Dethatcher and Scarifier on a green lawn. The machine is red and black, with a collection bag at the rear and a handle extending upwards. The image highlights its 15-inch dethatching width for efficient yard cleaning.

# MORE DETAILS

## EASY TO CONTROL

Enhanced Stability & Maneuverability



## 3-HEIGHT ADJUSTABLE HANDLE

Select the Perfect Height for Your Comfort

## REINFORCED SHELL

Thickened for Extra Protection



**Image Description:** A composite image showing "More Details" of the dethatcher. It includes three sections: "EASY TO CONTROL" showing the wheels (8in and 6in), "3-HEIGHT ADJUSTABLE HANDLE" with dimensions (39", 42", 45"), and "REINFORCED SHELL" showing a close-up of the durable casing. This provides a visual guide to the machine's design and adjustable features.

## 3. SETUP

Follow these steps to assemble and prepare your dethatcher/scarifier for first use.

### 3.1 Handle Assembly

1. Unfold the handle sections and align the holes.
2. Secure the handle sections using the provided knobs and bolts. Ensure all connections are tight.
3. Adjust the handle height to a comfortable operating position using the 3-height adjustable grip.

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## 3-HEIGHT ADJUSTABLE GRIP



**Image Description:** A diagram illustrating the 3-height adjustable grip of the dethatcher handle, showing height options of 39.5", 42.5", and 45" from the ground. This helps users select a comfortable operating height.

### 3.2 Blade Installation (2-in-1 Quick-Release)

Your unit comes with two interchangeable blade types: a dethatcher (spring tines) and a scarifier (fixed blades). Choose the appropriate blade for your task.

1. **Ensure the machine is unplugged** before changing blades.
2. Lift the rear flap of the dethatcher to access the blade housing.
3. Locate the quick-release mechanism for the blade shaft.
4. Remove the currently installed blade shaft by disengaging the mechanism and sliding it out.
5. Insert the desired blade shaft (dethatcher or scarifier) into the housing, ensuring it clicks securely into place.
6. Close the rear flap.



**Image Description:** A detailed image showing a person removing the blade shaft from the dethatcher. The image is labeled "2-IN-1 QUICK-RELEASE BLADE" and shows both the dethatching and scarifying rollers separately, emphasizing the ease of switching between them.

### 3.3 Collection Bag Attachment

1. Ensure the collection bag is empty and properly assembled.
2. Hook the collection bag onto the designated attachment points at the rear of the dethatcher. Ensure it is securely fastened to prevent debris from escaping.



**Image Description:** The MZK dethatcher on a lawn with its 45L large-capacity collection bag attached at the rear. An inset shows a close-up of the empty collection bag. This highlights the bag's size and its integration with the machine.

## 4. OPERATION

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Proper operation ensures effective lawn care and extends the life of your tool.

### 4.1 Starting the Dethatcher/Scarifier

1. Connect the power cord to a suitable outdoor extension cord, ensuring it is secured with the cord retention hook.
2. Plug the extension cord into a grounded outdoor outlet.
3. To start, press and hold the safety lock-off button, then squeeze the bail switch lever. Release the safety button once the motor starts.
4. To stop, release the bail switch lever.



## 2-STEP EASY START DOUBLE SAFETY SWITCH

**Image Description:** A person demonstrating the "2-STEP EASY START" process. One hand is shown pressing a red safety button (labeled 1), while the other hand is squeezing the bail switch lever on the handle (labeled 2). This illustrates the dual safety mechanism for starting the dethatcher.

### 4.2 Adjusting Working Depth

The dethatcher/scarifier features a 5-position height adjustment lever. Adjust the depth according to your lawn's condition and the task (dethatching or scarifying).

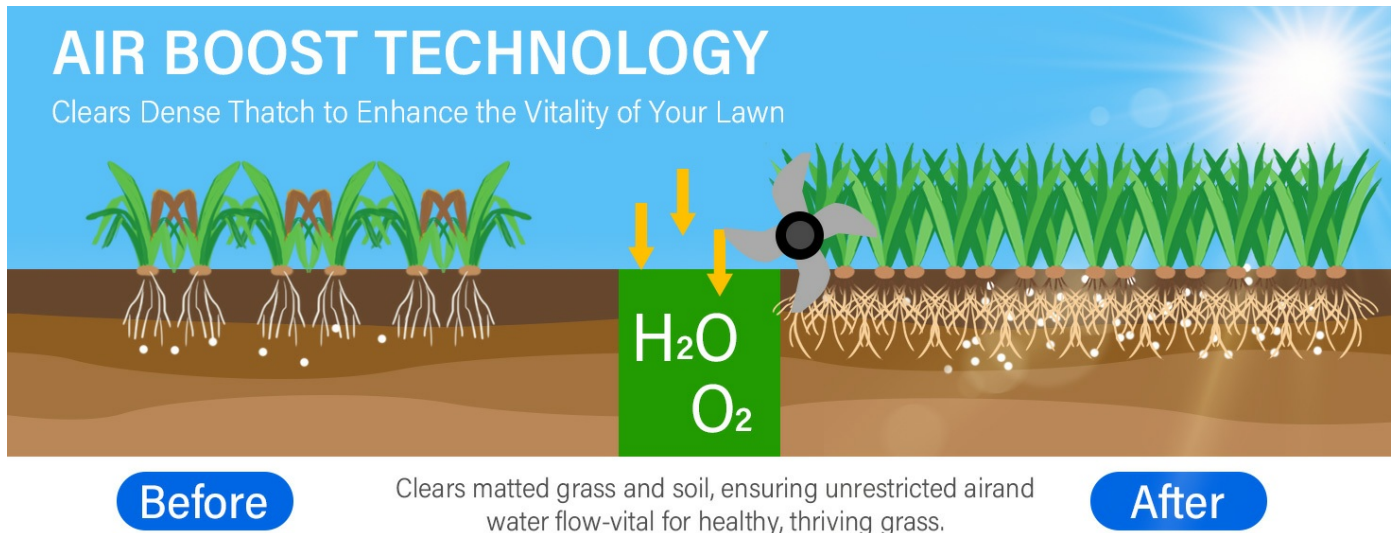
1. **Ensure the machine is unplugged** before adjusting depth.
2. Locate the depth adjustment lever on the side of the machine.
3. Move the lever to select one of the five available depth settings.
  - **Setting 0:** 0.24" (highest, for light dethatching or transport)
  - **Setting 1:** -0.12"
  - **Setting 2:** -0.24"
  - **Setting 3:** -0.35"
  - **Setting 4:** -0.47" (lowest, for aggressive dethatching or scarifying)
4. Start with a higher setting and gradually decrease if more aggressive action is needed.



**Image Description:** A close-up view of a hand adjusting the 5-position depth adjustment lever on the dethatcher. The settings are clearly marked 0 to 4, with a diagram showing the corresponding dethatcher and scarifier blade depths relative to the ground surface.

### 4.3 Dethatching and Scarifying Techniques

- **Preparation:** Mow your lawn to a normal height before dethatching or scarifying. Ensure the lawn is dry.
- **Operation:** Push the dethatcher/scarifier at a steady, moderate pace. Overlapping passes slightly will ensure complete coverage.
- **Cord Management:** Always keep the power cord behind you and away from the working area to avoid cutting it.
- **Collection Bag:** Monitor the collection bag and empty it frequently to maintain optimal performance.
- **Results:** Dethatching removes matted grass and debris, allowing air and water to reach the soil. Scarifying cuts into the soil to promote deeper root growth.



**Image Description:** A diagram illustrating "AIR BOOST TECHNOLOGY". The "Before" section shows matted grass and soil, while the "After" section shows a dethatched lawn with improved air and water flow to the roots, promoting healthier grass. This visually explains the benefit of dethatching.



**Image Description:** A four-panel image showing "Before" and "After" results for both dethatching and scarifying. The dethatching panels show a lawn with leaves and dead grass before, and a clean, green lawn after. The scarifying panels show a less vibrant lawn before, and a lush, healthy lawn after. This demonstrates the effectiveness of both functions.

### Official Product Video

Watch this video for a visual guide on operating the MZK 15-inch 2-in-1 Electric Dethatcher.

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**Video Description:** An introductory video demonstrating the key features and operation of the MZK 15-inch 2-in-1 Electric Dethatcher. It

shows the cord connection, safety start, 8-inch tires for maneuverability, 15-inch cutting width, 5-position transit wheel adjustment, 45L grass collection capacity, 2-in-1 quick-release blade system, and outstanding dethatching performance. The video also highlights the foldable handle for easy storage.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your dethatcher/scarifier.

### 5.1 Cleaning

- **Always unplug the machine** before cleaning.
- Remove any accumulated grass, thatch, or debris from the blade housing, wheels, and exterior of the machine after each use.
- Use a stiff brush or compressed air for cleaning. Do not use water directly on electrical components.
- Empty and clean the collection bag regularly.

### 5.2 Blade Care

- Inspect the dethatching tines and scarifying blades for wear or damage before each use.
- Replace worn or damaged blades/tines promptly to maintain effective performance and safety. Refer to the "Blade Installation" section for replacement instructions.

### 5.3 Storage

- Clean the machine thoroughly before storing.
- Fold the handle for compact storage.
- Store the dethatcher/scarifier in a dry, secure location, out of reach of children.

# FOLDABLE HANDLE FOR EASY STORAGE

## Tool-Free & Space-Saving



**Before**



45in

**After**



14in

**Image Description:** A side-by-side comparison showing the dethatcher with its handle extended ("Before", 45in height) and with its handle folded down ("After", 14in height). This illustrates the "FOLDABLE HANDLE FOR EASY STORAGE" feature, emphasizing its space-saving design.

## 6. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Machine does not start.	Not plugged in securely. Safety switch not engaged. Circuit breaker tripped.	Check power cord connection and extension cord. Ensure both the safety lock-off button and bail switch are engaged. Reset the circuit breaker.

Problem	Possible Cause	Solution
Poor dethatching/scarifying performance.	Incorrect depth setting. Worn or damaged blades/tines. Collection bag is full.	Adjust to a lower depth setting. Inspect and replace blades/tines if necessary. Empty the collection bag.
Excessive vibration or noise.	Loose components. Damaged or unbalanced blade shaft. Debris caught in blade housing.	Check all fasteners and tighten. Inspect blade shaft for damage; replace if needed. <b>Unplug the machine</b> and clear any obstructions.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	ET2403-GL-1208
Power Source	AC Corded Electric
Motor Speed	Up to 3700 RPM
Working Width	15 inches
Depth Adjustment	5 positions (-0.47" to 0.24")
Collection Bag Capacity	45 Liters
Item Weight	27.5 pounds (12.5 kg)
Product Dimensions (L x W x H)	23.23 x 13.78 x 18.11 inches
Assembly Required	Yes

## 8. WARRANTY & SUPPORT

### Warranty Information

MZK is committed to providing quality products. This product is covered by a manufacturer's warranty against defects in materials and workmanship under normal use. Please refer to the warranty card included with your purchase for specific terms, conditions, and duration.

Keep your proof of purchase for warranty claims.

### Customer Support

If you have any questions, encounter problems with your MZK dethatcher/scarifier, or require assistance with assembly or operation, please contact MZK customer support.

#### Contact Information:

- For support, please visit the official MZK website or refer to the contact details provided in your product packaging.
- You may also contact the seller directly through the platform where the purchase was made.

MZK is dedicated to ensuring your satisfaction and providing prompt assistance.



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