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VEVOR A03-102B

VEVOR 2-in-1 Electric Dethatcher and Scarifier (16-Inch, 15 Amp) Instruction Manual

Model: A03-102B

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1. Introduction

Thank you for choosing the VEVOR 2-in-1 Electric Dethatcher and Scarifier. This powerful 16-inch, 15 Amp corded machine is designed to revitalize your lawn by efficiently removing thatch and aerating the soil. With its versatile 2-in-1 quick-release blade system, 5-position depth adjustment, and a large 14.5-gallon collection bag, this tool simplifies lawn maintenance, promoting healthier grass growth. Please read this manual thoroughly before operation to ensure safe and effective use.



The VEVOR 2-in-1 Electric Dethatcher and Scarifier, ready for use.

2. Safety Instructions

Always prioritize safety when operating electrical equipment. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Manual:** Familiarize yourself with all controls and proper use before operating the machine.
- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, long pants, and sturdy, non-slip footwear. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Electrical Safety:** This is a corded unit. Ensure the power cord and any extension cords are in good condition

and rated for outdoor use. Use a Ground Fault Circuit Interrupter (GFCI) protected outlet. Keep the cord clear of the working area and moving blades.

- **Clear Work Area:** Before starting, clear the area of any rocks, sticks, wires, or other debris that could be thrown by the blades.
- **Keep Bystanders Away:** Do not allow children, pets, or other people near the machine during operation. Maintain a safe distance.
- **Proper Operation:** Operate the machine only in daylight or good artificial light. Do not operate on wet grass. Always push the machine forward; never pull it towards you.
- **Blade Safety:** Never attempt to clear debris from the discharge chute or blades while the machine is running. Disconnect power before performing any maintenance, cleaning, or blade changes.
- **Stability:** Ensure the machine is on a stable, level surface when changing blades or performing maintenance.
- **Not a Lawn Mower:** This machine is specialized for soil loosening and debris cleanup, not for cutting grass like a lawn mower.

3. Product Components

The VEVOR 2-in-1 Electric Dethatcher and Scarifier comes with the following main components:

- 1x Electric Dethatcher and Scarifier Main Unit
- 1x Dethatcher Blade (pre-installed or separate)
- 1x Scarifier Blade (pre-installed or separate)
- 1x 14.5-Gallon Thatch Collection Bag
- 1x Handle Assembly (multiple sections)
- 1x Set of Mounting Parts (screws, knobs, cable clips)
- 1x User Manual



Item Model Number: **A03-102B**

Power: **1100W**

Grass Bag Volume: **14.5 gal**

Cutting Width: **16 in**

Product Weight: **26.68 lbs/12.1 kg**

Product Dimensions: **43.7 × 24.41 × 37.40 in / 1110 × 610 × 960 mm**

Package Content: **1 x Electric Dethatcher and Scarifier,**
1 x Dethatcher Blade, 1 x Scarifier Blade,
1 x Set of Mounting Parts, 1 x User Manual

Overview of the VEVOR Dethatcher/Scarifier with key dimensions and package contents.



The two interchangeable blades: the dethatcher rake (left) and the scarifier tines (right).

4. Setup and Assembly

Assembly of the VEVOR Dethatcher/Scarifier is designed to be quick and tool-free.

4.1 Handle Assembly

1. Attach the lower handle sections to the main unit using the provided bolts and quick-release clamps. Ensure the

clamps are securely tightened.

2. Connect the upper handle section to the lower sections, again using the quick-release clamps. Adjust the handle height to a comfortable position (2-position adjustable handle).



Step-by-step visual guide for assembling the handle sections.

4.2 Blade Installation/Switching

The unit features a quick-release system for easy blade changes:

1. Ensure the machine is unplugged from the power source.
2. Locate the red quick-release lever on the side of the blade housing.
3. Flip the lever to release the current blade. Carefully remove the installed blade.
4. Insert the desired blade (dethatcher or scarifier) into the housing, aligning it correctly.
5. Secure the blade by flipping the quick-release lever back into its locked position.



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Visual instructions for the tool-free blade switching mechanism.

4.3 Collection Bag Assembly

Assemble the 14.5-gallon thatch collection bag by inserting the metal frame into the fabric bag and securing it according to the instructions.

1. Slide the metal frame into the designated sleeves within the fabric bag.

2. Ensure all clips or fasteners on the bag are securely attached to the frame.
3. Attach the assembled collection bag to the rear of the main unit by hooking it onto the designated points.



Diagram illustrating the steps to assemble and attach the thatch collection bag.

4.4 Cable Management

Use the provided wire clamps to secure the power cord along the handle, preventing it from interfering with operation or getting caught in the blades.



Instructions for properly securing the power cable to the handle using cable clips.

4.5 Assembly Video Guide

▶ **Watch video online**
Quick Assembly & Review Of This VEVOR Electric Dethatcher

This video provides a quick assembly guide and review of the VEVOR Electric Dethatcher, demonstrating the setup process.

5. Operating Instructions

5.1 Starting the Dethatcher/Scarifier

The unit features a quick 2-step start-up process:

1. Ensure the machine is plugged into a GFCI-protected outlet.
2. Press the safety button, then pull the trigger lever on the handle to start the motor. Release the lever to stop.

5.2 Depth Adjustment

Adjust the working depth using the 5-position lever located on the side of the unit. This allows you to customize the intensity of dethatching or scarifying based on your lawn's condition.

- **Dethatching Depth:** -0.24 to +0.39 inches (higher settings for lighter thatch removal).
- **Scarifying Depth:** -0.47 to -0.12 inches (lower settings for deeper soil aeration).
- Always start with a higher setting and gradually decrease if needed to avoid damaging grass roots.



The depth adjustment lever with its five distinct settings for precise lawn care.

5.3 Dethatching vs. Scarifying

Choose the appropriate blade for your lawn care needs:

- **Dethatching:** Use the 22-tooth rake blade to remove dead grass, moss, and other organic debris (thatch) that accumulates on the lawn surface. This improves air, water, and nutrient penetration to the soil.
- **Scarifying:** Use the 10-blade scarifier to cut into the soil, loosening it and promoting root growth. This is beneficial for overseeding or improving drainage.



Illustration showing the dethatcher clearing thatch and the scarifier aerating soil for root growth.

5.4 Using the Collection Bag

The 14.5-gallon collection bag efficiently gathers removed thatch and debris, reducing cleanup time. Monitor the bag frequently and empty it when full to maintain optimal performance.

5.5 Operation Video Guide

▶ **Watch video online**
VEVOR 2-in-1 Electric Dethatcher and Scarifier

This video demonstrates the VEVOR 2-in-1 Electric Dethatcher and Scarifier in action, showcasing its effectiveness on a lawn.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your VEVOR Dethatcher/Scarifier.

- **Always Disconnect Power:** Before any maintenance or cleaning, ensure the unit is unplugged from the power source.
- **Clean After Each Use:** Remove any grass, thatch, or debris from the blades, housing, and collection bag. A stiff brush or compressed air can be used.
- **Blade Inspection:** Regularly inspect the dethatcher tines and scarifier blades for wear, damage, or bending. Replace worn or damaged blades promptly.
- **Storage:** The foldable handle allows for compact storage. Clean the unit thoroughly before storing it in a dry, secure location away from children.
- **Cord Inspection:** Check the power cord and plug for any signs of damage, cuts, or fraying before and after each use.

7. Troubleshooting

If you encounter issues with your VEVOR Dethatcher/Scarifier, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not start	No power; Safety button/lever not engaged; Damaged cord/plug	Check power connection and GFCI; Ensure safety button is pressed before pulling lever; Inspect cord for damage.
Poor dethatching/scarifying performance	Incorrect depth setting; Worn/damaged blades; Excessive thatch/debris	Adjust to a lower depth setting; Replace blades; Make multiple passes or clear heavy debris manually first.
Collection bag fills too quickly	High volume of thatch/debris; Bag not fully expanded/attached	This is normal for heavily thatched lawns; Empty bag frequently; Ensure bag is correctly assembled and attached.
Excessive vibration or noise	Loose components; Damaged/unbalanced blade	Check all fasteners and tighten; Inspect blade for damage and replace if necessary.

8. Technical Specifications

Feature	Specification
Brand	VEVOR
Model Number	A03-102B

Feature	Specification
Power Source	AC (Corded)
Motor Power	15 Amp / 1100W
No-Load Speed	3600 RPM
Working Width	16 Inches
Depth Adjustment	5 Positions
Dethatching Depth Range	-0.24 to +0.39 inches
Scarifying Depth Range	-0.47 to -0.12 inches
Collection Bag Volume	14.5 Gallons
Item Weight	26.68 Pounds
Product Dimensions (D x W x H)	24.41"D x 43.7"W x 37.4"H
Material	Metal
Color	Black+Orange
UPC	197988886082

9. Warranty and Support

VEVOR products are designed for durability and performance. For warranty information, technical support, or replacement parts, please visit the official VEVOR support website or contact their customer service directly.

VEVOR Support Center: www.vevor.com/support

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