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Sun Joe AJ801E

Sun Joe Electric Lawn Dethatcher & Scarifier User Manual

Model: AJ801E

Brand: Sun Joe

INTRODUCTION

The Sun Joe AJ801E Electric Lawn Dethatcher & Scarifier is a powerful 12-amp tool designed to revitalize your lawn by effectively removing thatch and improving soil aeration. This versatile machine features a 12.6-inch wide path and customizable 5-position height settings, allowing for precise care tailored to your lawn's needs. Its Air Boost Technology ensures maximum thatch pickup, while the detachable 8-gallon collection bag simplifies cleanup.

SAFETY INFORMATION

Always read and understand this manual before operating the dethatcher/scarifier. Failure to follow these instructions could result in serious injury or damage to the product.

- Wear appropriate personal protective equipment, including eye protection and sturdy footwear.
- Ensure the work area is clear of debris, children, and pets.
- Do not operate in wet conditions or on slopes that are too steep.
- Disconnect power before performing any maintenance or adjustments.
- Use only with a heavy-duty outdoor extension cord suitable for the tool's power requirements.

PACKAGE CONTENTS

- Sun Joe Electric Lawn Dethatcher & Scarifier Unit
- Dethatcher Cylinder
- Scarifier Cylinder
- 8-Gallon Collection Bag
- User Manual (this document)
- Assembly Hardware (bolts, knobs, etc.)



Image: The main unit of the Sun Joe dethatcher/scarifier, with both the dethatching and scarifying cylinders displayed above it, illustrating the interchangeable components.

SETUP

1. **Handle Assembly:** Attach the upper and lower handle sections to the main unit using the provided hardware. Ensure all connections are secure.
2. **Collection Bag Attachment:** Securely attach the 8-gallon collection bag to the rear of the unit.
3. **Cylinder Installation:** The unit comes with one cylinder pre-installed. To switch between the dethatcher and scarifier cylinders, carefully flip the unit over. Loosen the two retaining bolts on the side, remove the current cylinder, and insert the desired one. Tighten the bolts securely.

LET YOUR LAWN BREATHE. GO WITH JOE!



DETACHABLE 8-GALLON COLLECTION

Collects the debris as you work, keeping your lawn tidy and reducing cleanup time.

Image: A detailed view of the Sun Joe unit with the scarifier cylinder in place and the dethatcher cylinder detached, demonstrating how to swap them.

LET YOUR LAWN BREATHE. GO WITH JOE!


SUNJOE

Scarifier Function

Features 20 slicing blades with an adjustable scarifying depth: -0.4-IN - 0-IN that cuts grass roots to promote thicker growth and a healthier, more vibrant lawn all season.



Detatcher Function

Removes thatch, moss and horizontal grass stalks.



Image: The Sun Joe dethatcher/scarifier with its 8-gallon collection bag attached, ready for use. The image emphasizes the collection feature.

Your browser does not support the video tag.

Video: This video demonstrates the assembly process of the Sun Joe dethatcher/scarifier, including attaching the handle and the collection bag. It also shows how to switch between the dethatching and scarifying cylinders.

OPERATING INSTRUCTIONS

1. **Prepare the Lawn:** Mow your lawn to a normal height before dethatching or scarifying. Ensure the lawn is dry.
2. **Connect Power:** Plug the unit into a suitable heavy-duty outdoor extension cord.
3. **Adjust Depth:** Use the 5-position height adjustment lever located on the side of the unit to select the desired dethatching or scarifying depth. Start with a higher setting for initial passes and adjust lower if needed.
4. **Start the Unit:** Press and hold the safety button, then pull the switch lever towards the handle to start the motor. Release the safety button once the motor starts.
5. **Operation:** Push the unit forward at a steady pace, overlapping each pass slightly to ensure complete coverage. The unit is designed to pull itself forward slightly.

6. **Empty Collection Bag:** Regularly check and empty the 8-gallon collection bag to maintain optimal performance. If not using the bag, rake up the thatch/debris after operation.



**POWERFUL
12-AMP MOTOR
STARTS INSTANTLY WITH EASY PUSH BUTTON**

Image: The Sun Joe dethatcher/scarifier in operation, highlighting its powerful 12-amp motor as it works on a lawn.



12.6-IN RAKING WIDTH

DURABLE SPRING STEEL TINES FOR MAXIMUM THATCH PICKUP

Image: A close-up of the 5-position depth control lever, illustrating how users can customize the raking depth for different lawn conditions.

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Video: An overview and demonstration of the Sun Joe Dethatcher and Scarifier in action, showing its effectiveness on a lawn.

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Video: A review of the Sun Joe Electric Dethatcher and Scarifier, demonstrating its use and highlighting its features.

MAINTENANCE

- **Cleaning:** After each use, disconnect the power and clean the unit. Remove any accumulated grass, thatch, or debris from the housing, cylinders, and wheels.
- **Blade Inspection:** Regularly inspect the dethatcher tines and scarifier blades for wear or damage. Replace worn components as needed.
- **Storage:** Store the unit in a clean, dry place, away from direct sunlight and extreme temperatures. Ensure the power cord is properly coiled and secured.



5-POSITION DEPTH CONTROL

CUSTOMIZE RAKING DEPTH FROM -0.4 IN. BELOW SOIL TO 0.4 IN. ABOVE SOIL

Image: A close-up view of the 12.6-inch raking width, showcasing the durable spring steel tines designed for maximum thatch pickup.



Image: A close-up view of the scarifier function, illustrating how its blades promote a thicker, healthier lawn by cutting grass roots.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not start	No power, safety switch not engaged	Check power connection, ensure safety button and lever are fully engaged.
Poor dethatching/scarifying performance	Incorrect depth setting, worn tines/blades, wet lawn	Adjust depth, inspect and replace tines/blades, ensure lawn is dry.
Excessive vibration	Bent or damaged cylinder, loose components	Inspect cylinder for damage, tighten all fasteners.

SPECIFICATIONS

- **Brand:** Sun Joe
- **Model:** AJ801E
- **Power Source:** Corded Electric
- **Motor:** 12 Amp
- **Cutting Width:** 12.6 Inches
- **Depth Settings:** 5 Positions
- **Collection Bag Capacity:** 8 Gallons
- **Material:** Alloy Steel
- **Item Weight:** 27 Pounds
- **Product Dimensions:** 24"D x 20"W x 12.5"H
- **UPC:** 810829024923

WARRANTY AND SUPPORT

Sun Joe products typically come with a manufacturer's warranty. Please refer to the official Sun Joe website or the warranty card included with your product for detailed information on warranty coverage and how to register your product for extended warranty options.

For technical support, replacement parts, or service inquiries, please contact Sun Joe customer service.

You can also find additional resources and a PDF version of the user manual on the [official Sun Joe website](#) or through the provided link.