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› Sun Joe MJ403E Mow Joe 17-Inch 13-Amp Electric Lawn Mower/Mulcher User Manual

Sun Joe MJ403E

Sun Joe MJ403E Mow Joe 17-Inch 13-Amp Electric Lawn Mower/Mulcher User Manual

Model: MJ403E | Brand: Sun Joe

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Sun Joe MJ403E Mow Joe 17-Inch 13-Amp Electric Lawn Mower/Mulcher. Please read this manual thoroughly before using the product and keep it for future reference.



Figure 1: Sun Joe MJ403E Mow Joe 17-Inch 13-Amp Electric Lawn Mower/Mulcher. This image displays the complete electric lawn mower, highlighting its compact design and vibrant green and black color scheme.

2. SAFETY INFORMATION

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. This product is designed for outdoor use only. Do not operate in wet conditions.

General Safety Rules:

- Keep children and bystanders away.
- Dress properly; avoid loose clothing or jewelry that can get caught in moving parts.
- Use safety glasses and hearing protection.
- Do not operate the mower when barefoot or wearing open sandals.

- Inspect the area to be mowed and remove all objects that can be thrown by the blade.
- Never pull the mower toward you.
- Disconnect power before cleaning, servicing, or when not in use.

Electrical Safety:

- Use only a grounded extension cord suitable for outdoor use.
- Ensure the extension cord is in good condition and not damaged.
- Keep the extension cord away from the cutting blade.
- Do not abuse the cord; never carry the mower by the cord or yank it to disconnect from the receptacle.

3. PRODUCT FEATURES

The Sun Joe MJ403E is designed for efficient and easy lawn care. Key features include:

- **Powerful 13-Amp Motor:** Cuts a 17-inch wide path, suitable for small to medium-sized lawns.
- **7-Position Height Control:** Easily tailor cutting height from 0.98 inches to 2.87 inches (25mm to 73mm) to suit your lawn's needs.
- **Convertible Functionality:** Supports both mulching and grass collection.
- **Detachable Grass Collection Bag:** Features a 12-gallon capacity for easy disposal of clippings.
- **Lightweight Design:** Weighs under 31 lbs (approximately 31.5 pounds), making it easy to maneuver and transport.



Figure 2: Side view of the Sun Joe MJ403E showing the attached grass collection bag. This illustrates the mower's design with the bag in place for collecting clippings.



Figure 3: Close-up of the 7-position height adjustment lever on the Sun Joe MJ403E. This image highlights the mechanism for easily changing the cutting height.

4. SETUP AND ASSEMBLY

Your Sun Joe MJ403E requires minimal assembly. Follow these steps to prepare your mower for first use:

1. **Handle Assembly:** Attach the upper handle to the lower handle using the provided knobs and bolts. Ensure all connections are secure.
2. **Grass Bag Assembly:** Assemble the grass collection bag according to the instructions. The plastic handle may require patience to seat properly.
3. **Attaching Grass Bag/Mulching Plug:** For grass collection, attach the assembled grass bag to the rear discharge chute. For mulching, insert the mulching plug into the discharge chute.
4. **Blade Check:** Before first use, ensure the blade is securely fastened and free from damage.



Figure 4: Close-up of the handle assembly and control bar on the Sun Joe MJ403E. This image shows the ergonomic design of the handle for comfortable operation.

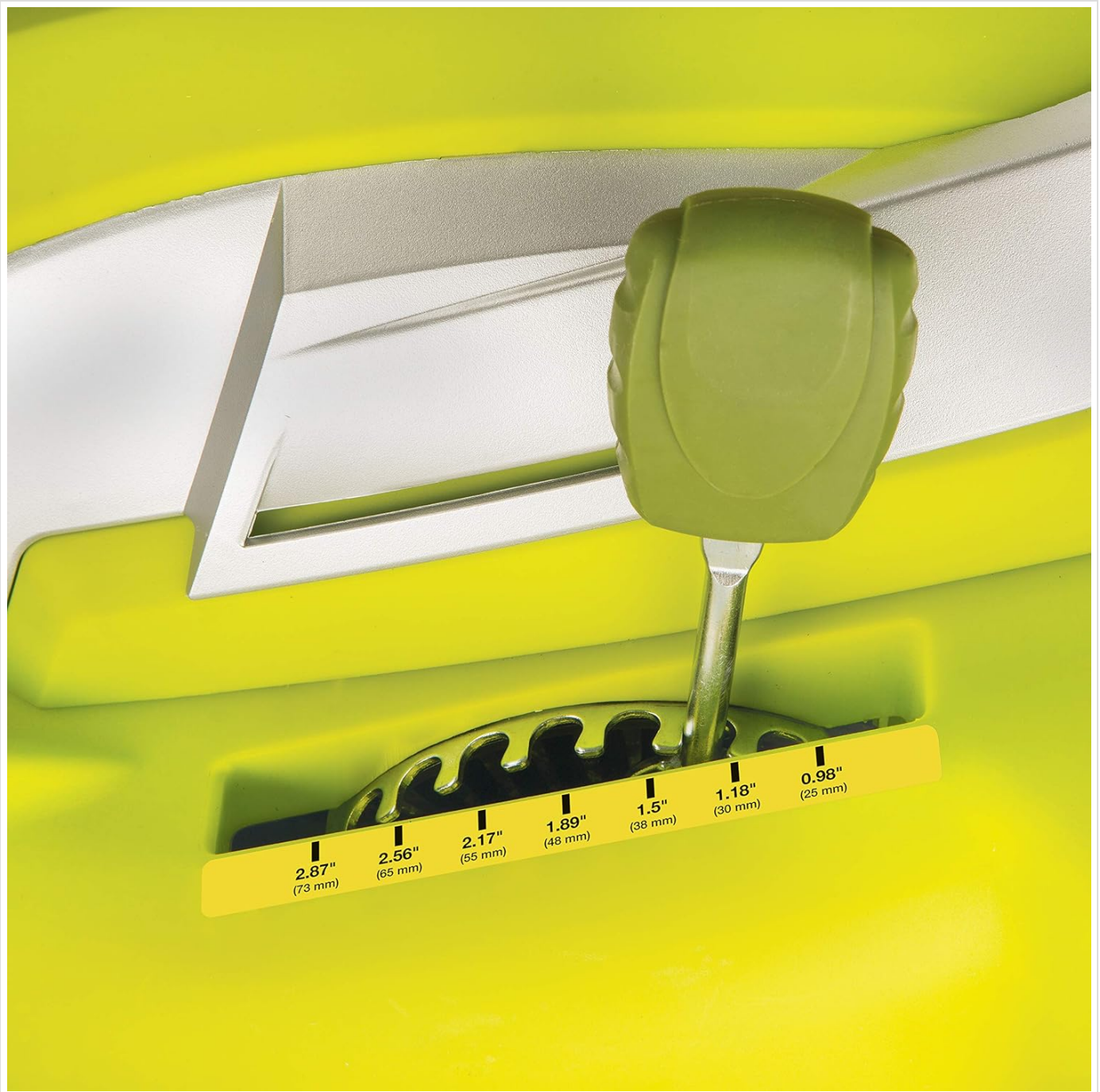


Figure 5: The mulching plug accessory for the Sun Joe MJ403E. This component is used to convert the mower to mulching mode, finely chopping grass clippings and returning them to the lawn.



Figure 6: The detachable grass collection bag for the Sun Joe MJ403E. This bag is designed for easy attachment and removal, simplifying the disposal of mowed grass.

5. OPERATING INSTRUCTIONS

Starting the Mower:

1. Ensure the mower is on a flat, stable surface.
2. Connect a suitable outdoor extension cord to the mower's power inlet.
3. Press and hold the safety lock button, then pull the switch bar towards the handle. The motor will start.
4. Release the safety lock button once the motor starts.

Adjusting Cutting Height:

The cutting height can be adjusted using the lever located on the side of the mower. There are 7 positions, allowing you to select a cutting height between 0.98 inches (25mm) and 2.87 inches (73mm). Adjust the height before starting the mower.

Mowing Techniques:

- **For Best Results:** Mow dry grass. Wet grass can clog the blade and collection bag.
- **Overlap Passes:** Overlap each mowing pass by a few inches to ensure complete coverage.
- **Mulching:** When using the mulching plug, the mower will finely chop grass clippings and return them to the lawn as natural fertilizer.
- **Bagging:** When the grass collection bag is attached, clippings will be collected for easy disposal. Empty the bag frequently to prevent clogging and maintain optimal performance.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawn mower. Always disconnect the power cord before performing any maintenance.

Blade Care:

- Inspect the blade regularly for sharpness and damage. A dull blade tears grass, leaving an uneven cut.
- Sharpen or replace the blade as needed. Refer to the manufacturer's guidelines for proper blade removal and installation.



Figure 7: Underside view of the Sun Joe MJ403E, showing the cutting blade. This view is important for blade inspection and maintenance.

Cleaning:

- After each use, clean the underside of the mower deck to remove grass clippings and debris.
- Use a damp cloth to wipe down the exterior. Do not use water jets or high-pressure cleaners.
- Ensure the grass collection bag is clean and dry before storage.

Storage:

- Store the mower in a dry, secure location, out of reach of children.
- Coil the power cord neatly to prevent tangling and damage.

7. TROUBLESHOOTING

If you encounter issues with your Sun Joe MJ403E, refer to the table below for common problems and solutions. Always disconnect power before troubleshooting.

Problem	Possible Cause	Solution
Mower does not start	Power cord not connected; Safety button/switch bar not engaged; Circuit breaker tripped.	Ensure cord is securely plugged in; Engage safety button and switch bar simultaneously; Reset circuit breaker.
Mower stops during operation	Overload due to tall/wet grass; Power interruption.	Raise cutting height; Mow in smaller passes; Check power connection.
Uneven cut	Dull or damaged blade; Incorrect cutting height.	Sharpen or replace blade; Adjust cutting height.
Excessive vibration	Bent or unbalanced blade; Loose blade bolt.	Inspect and replace blade if bent; Tighten blade bolt.

8. SPECIFICATIONS

Specification	Value
Brand	Sun Joe
Model Number	MJ403E
Power Source	Electric
Motor	13-Amp
Cutting Width	17 Inches
Cutting Height Positions	7 (0.98" to 2.87")
Grass Bag Capacity	12 Gallons (Detachable)
Item Weight	31.5 Pounds
Product Dimensions	55.1"D x 19.7"W x 43.3"H
Material	Metal (Blade), Plastic (Housing)

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please refer to the official Sun Joe website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.

A PDF version of the user manual is available for download:[Download User Manual \(PDF\)](#)

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