John Deere BUC10706

John Deere Original Equipment Grass Mulching Attachment BUC10706 User Manual

Model: BUC10706

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your John Deere Original Equipment Grass Mulching Attachment, model BUC10706. This attachment is designed to convert your compatible John Deere mower deck into a mulching system, finely cutting grass clippings and returning them to the lawn as natural fertilizer. Please read this manual thoroughly before installation and use.

2. Safety Information

Always prioritize safety when working with lawn equipment. Failure to follow safety instructions can result in serious injury or death.

- Read and understand all instructions in this manual and your mower's operator manual before installation or operation.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the mower engine is off, the spark plug wire is disconnected, and the parking brake is engaged before performing any work on the mower deck.
- Keep hands and feet away from moving parts, especially blades.
- Never operate the mower with damaged or improperly installed components.
- This mulching attachment is designed for 54-inch mower decks only. Verify your deck size before installation.



Image Description: A close-up view of a yellow mower deck showing a spring mechanism and a black safety warning sticker. The sticker displays symbols indicating hazards and the need to keep hands and feet clear, emphasizing safety during maintenance or operation.

3. Package Contents

Carefully unpack all components and verify that all parts are present. If any parts are missing or damaged, contact your John Deere dealer.

- Mulching baffles (multiple pieces)
- Discharge chute closure plate
- Mounting hardware (bolts, nuts, washers)
- Instruction sheet



Image Description: An overhead view of the John Deere mulching attachment components. It shows several black plastic or metal baffles and a discharge chute cover, along with some associated metal brackets and fasteners, laid out against a white background. These are the primary parts for converting a standard mower deck to a mulching system.

4. Setup and Installation

This mulching attachment (BUC10706) is designed for 54-inch mower decks on compatible John Deere models, including X380, X384, X390, X570, S580, X584, X590 (SN 110001-), Z375R, Z515E, Z525E, Z530M, Z535M, and Z540M. Installation typically involves removing the mower deck, installing the mulching baffles, and securing the discharge chute closure plate.

1. **Prepare the Mower:** Park the mower on a flat, level surface. Turn off the engine, remove the ignition key, disconnect the spark plug wire(s), and engage the parking brake.
2. **Remove Mower Deck:** Follow the instructions in your mower's operator manual to safely remove the 54-inch mower deck from the tractor.

3. **Clean the Deck:** Thoroughly clean the underside of the mower deck, removing any accumulated grass clippings and debris.
4. **Install Mulching Baffles:** Position the mulching baffles inside the mower deck according to the included instruction sheet. These baffles are designed to create a closed chamber for optimal mulching. Secure them using the provided hardware.
5. **Install Discharge Chute Closure Plate:** Attach the closure plate to the mower deck's discharge opening. This plate prevents clippings from being discharged and directs them back into the mulching chamber. Ensure it is securely fastened.



Image Description: An inverted view of a yellow John Deere mower deck, showing the three blade spindles and the black mulching baffles installed around them. A red oval highlights the area where the discharge chute would normally be, now covered by a mulching plate, indicating the conversion to a mulching setup.



Image Description: A detailed view of the mulching attachment components mounted on the underside of a yellow mower deck. It shows the black baffles and associated hardware, illustrating how they fit together to form the mulching chamber. This image provides a closer look at the installed parts.

6. **Reinstall Mower Deck:** Reattach the mower deck to the tractor, ensuring all connections are secure and the deck is properly leveled according to your mower's manual.
7. **Reconnect Spark Plug:** Reconnect the spark plug wire(s) before starting the engine.

5. Operating Instructions

Once the mulching attachment is installed, operate your mower as usual, keeping the following tips in mind for optimal mulching performance:

- **Mow Frequently:** For best results, mow frequently, ideally when the grass is dry and no more than one-third of the grass blade length is removed.
- **Adjust Cutting Height:** Set the cutting height to ensure clippings are finely cut and distributed evenly.
- **Reduce Speed:** In dense or tall grass, reduce your ground speed to allow the blades more time to finely cut and mulch the clippings.
- **Overlap Passes:** Overlap your mowing passes slightly to ensure complete coverage and even mulching.

6. Maintenance

Regular maintenance ensures the longevity and performance of your mulching attachment.

- **Clean After Each Use:** After each mowing session, clean the underside of the mower deck and the mulching baffles to prevent grass buildup, which can impede performance.
- **Inspect Components:** Periodically inspect the mulching baffles and closure plate for wear, damage, or loose hardware. Replace any damaged parts immediately.
- **Blade Maintenance:** Ensure your mower blades are sharp and balanced. Dull blades can tear grass, leading to poor mulching results and an unhealthy lawn. Refer to your mower's manual for blade sharpening and replacement procedures.

7. Troubleshooting

Problem	Possible Cause	Solution
Poor mulching, large clippings	Dull blades, mowing too fast, grass too tall/wet, clogged deck	Sharpen/replace blades, reduce ground speed, mow more frequently when grass is dry, clean underside of deck.
Excessive vibration	Unbalanced blades, loose hardware, damaged baffles	Inspect and balance blades, tighten all mounting hardware, check baffles for damage.
Clippings discharging from deck	Discharge chute closure plate not installed or loose	Ensure closure plate is correctly installed and securely fastened.

8. Specifications

- **Model:** BUC10706
- **Compatibility:** John Deere 54-inch mower decks (X380, X384, X390, X570, S580, X584, X590 (SN 110001-), Z375R, Z515E, Z525E, Z530M, Z535M, Z540M)
- **Replaces:** BM24994
- **Product Dimensions:** 29 x 14 x 8 inches
- **Weight:** 15.94 Pounds
- **Manufacturer:** John Deere

9. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your original John Deere mower or contact an authorized John Deere dealer. Keep your purchase receipt for warranty claims.
You can find more information and locate a dealer on the official John Deere website: www.deere.com

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