

**JOHN DEERE**  
**AG & TURF DIVISION**



**Rear Bagger**  
**14-Bushel**

OMM154475 I2

**OPERATOR'S MANUAL**



**JOHN DEERE**

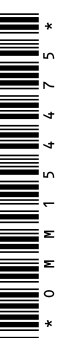
**Original Instruction**

All information, illustrations and specifications in this manual are based on the latest information at the time of publication. The right is reserved to make changes at any time without notice.

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# INTRODUCTION

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## Table of Contents

Introduction.....	1
Product Identification.....	2
Safety Labels.....	3
Safety .....	4
Preparing Vehicle .....	5
Installing .....	5
Removing and Storing.....	7
Operating.....	8
Getting Quality Service .....	9
Service .....	10
Troubleshooting .....	10
Assembly.....	11
Specifications .....	12
John Deere Quality Statement .....	14

# SAFETY LABELS

## Safety Labels



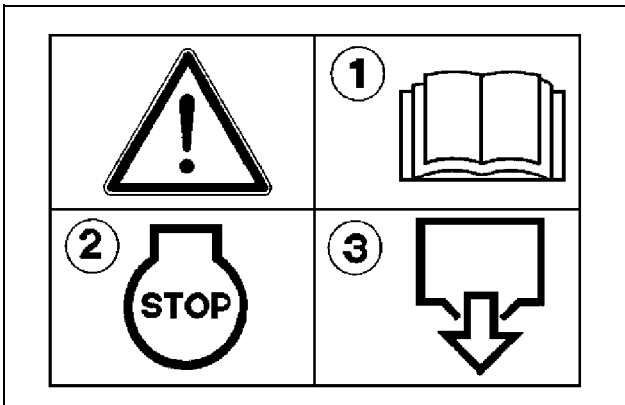
### Understanding The Machine Safety Labels

The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards.

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol.

### M122118 Warning

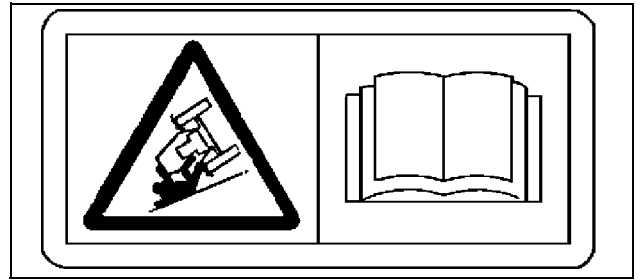


M122118

- Read operator's manual.
  - The operator's manual contains important information necessary for safe machine operation. Observe all safety rules to avoid accidents.
- Shut off mower before emptying grass bag.
- Bag is subject to wear and deterioration. Check bag frequently; replace when necessary.
- Use a John Deere bag or equivalent to comply with safety specifications.

### M122119 Warning

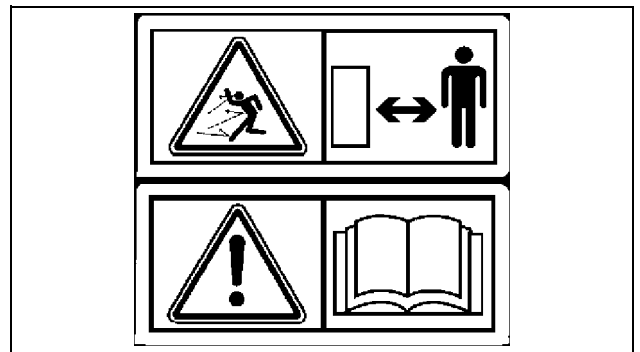
#### Avoid Injury From Tipping



M122119

- Do not drive where machine could slip or tip.
- See operator's manual for required ballast to maintain steering control and stability.

### M129037 Warning



M129037

#### Avoid Injury From Thrown Objects

- Operator mower with complete bagging attachments in place.
- Do not open catcher while blades are turning.
- Shut off engine before removing or installing bag
- Keep bystanders away while engine is running.

#### Read Operator's Manual

- The operator's manual contains important information necessary for safe machine operation. Observe all safety rules to avoid accidents.

### M149489 Warning



M149489

- Do not put hands or feet under or into mower when engine is running.
- Keep away from rotating parts. Do not open or remove safety shields while engine is running. Operate blower with entire grass catcher secured in place.
- Thrown Objects - Before mowing, clear area of objects that may be thrown by blade. Do not operate mower without discharge chute or entire grass catcher in place.

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Hello dear friend!

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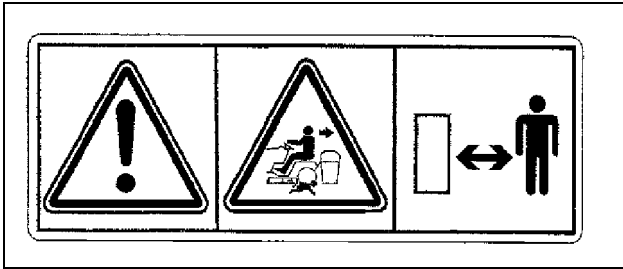
The full manual is available for immediate download.

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# SAFETY

- Stay a safe distance from machine.
- Read operator's manual.

## WARNING M146579



M146579

Bagger may impair rear vision, look down and behind before and while backing.

Stay a safe distance from the machine.

## Safety

### Read Safety in Machine Operator's Manual

Read the general safety operating precautions in your machine operator's manual for additional safety information.

### Operating Safely

Read, understand and follow all instructions in this attachment manual, the machine operator's manual and safety signs on equipment before starting.

Use proper front ballast. Remove ballast when the material collection system is removed.

Hopper extends beyond machine. Be aware of surrounding objects when making short turns.

Do not operate material collection system unless entire grass catcher is fastened in place with hopper cover securely latched.

Do not let anyone ride on the mower or material collection system. Riders are subject to injury such as being struck by foreign objects or being thrown off. Riders may obstruct the operator's view and cause a collision.

#### Before bag removal or installation:

- Stop mower.
- Disengage mower or PTO.
- Stop engine and remove key.
- Wait for engine and all moving parts to stop before leaving the operator seat.

#### Before backing up machine:

- Stop machine.
- Look behind hopper for children.
- Keep bystanders away when unloading material collection system.

#### Operate safely on slopes:

- Empty bags when they are half full.
- Do not operate on steep slopes.
- Before turning, slow down.
- Avoid sudden starts and stops.
- Do not park machine with material collection system on slopes.

#### Bag and Hose Maintenance:

- Bag and hose are subject to wear and deterioration.
- Check bag and hose frequently; replace when necessary.
- Use John Deere bag and hose or equivalent to comply with safety specifications.
- Do not leave clippings in bags overnight.

### Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage mower blades or any other attachments.
3. Lower attachments to the ground.
4. Lock the park brake.
5. Stop the engine.
6. Remove the key.
7. Wait for engine and all moving parts to stop before you leave the

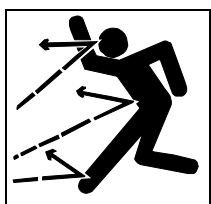
# PREPARING VEHICLE

operator's seat.

- Close fuel shut-off valve, if your machine is equipped.
- Disconnect the negative battery cable or remove the spark plug wire(s) (for gasoline engines) before servicing the machine.

## Protect Children

- Tragic accidents can occur if the operator is not alert to the presence of children. Keep children indoors when the machine and attachment are operated and under the watchful care of another responsible adult.
- Never assume that children will remain where you last saw them. Stay alert to the presence of children. Turn the machine off if a child enters the work area.
- Do not let children or an untrained person operate the machine.
- Do not carry or let children ride on any attachment or machine even with the attachment off. Do not tow children in a cart or trailer.



## Avoid Injury From Thrown Objects

- When operating the vehicle with the MCS attachment installed make sure all chutes and hoses are securely in place. Keep hopper closed or MCS in operating position.
- Stop the engine and wait for all moving parts to stop before removing or lifting any attachment components.

- Avoid injury from impeller blades and thrown objects. Remove attachment when operating vehicle in side discharge mode. Make sure deflector shield is in place on mower deck if attachment is removed.



## Avoid Injury From Rotating Blades

- Keep hands and feet away from rotating blades and blower assembly when engine is running.

- Stop engine and wait for moving parts to stop before servicing components.
- Do not operate MCS or blower unless all attachment components are in place and latched.

## Practice Safe Maintenance

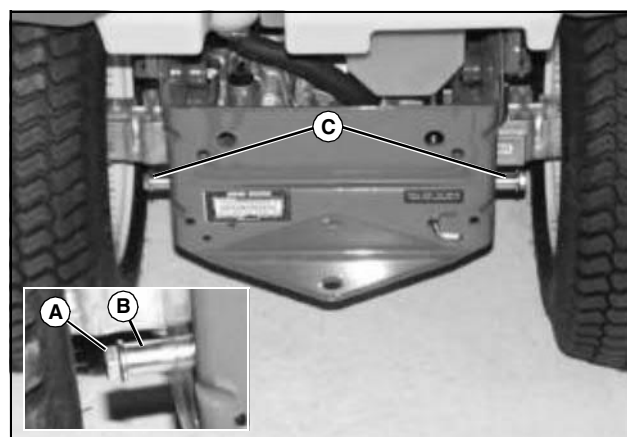
- Only qualified, trained adults should service this machine.
- Understand service procedure before doing work. Keep area clean and dry.
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Never lubricate, service or adjust the machine or attachment while it is moving. Keep safety devices in place and in working condition. Keep hardware tight.
- Keep hands, feet, clothing, jewelry, and long hair away from any moving parts, to prevent them from getting caught.
- Lower any attachment completely to the ground or to an existing attachment mechanical stop before servicing the attachment. Disengage all power and stop the engine. Lock park brake and remove the key. Let machine cool.
- Disconnect battery or remove spark plug wire (for gasoline engines) before making any repairs.
- Before servicing machine or attachment, carefully release pressure from any components with stored energy, such as hydraulic components and

springs.

- Release hydraulic pressure by lowering attachment or cutting units to the ground or to a mechanical stop and move hydraulic control levers.
- Securely support any machine or attachment elements that must be raised for service work. Use jack stands or lock service latches to support components when needed.
- Never run engine unless park brake is locked.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Replace all worn or damaged safety and instruction decals.
- Check all hardware at frequent intervals to be sure the equipment is in safe working condition.
- Do not modify machine or safety devices. Unauthorized modifications to the machine or attachment may impair its function and safety.

## Preparing Vehicle

### Installing Bagger Mounting Hardware



MX8416

- Park vehicle safely. (See Parking Safely in the SAFETY section.)
- Install two M12x1.75x50 bolts (A) and spacers (B) in lower front hole at both sides of rear frame (C).
- Secure hardware with two M12 locknuts positioned at inside of frame. Tighten hardware to 130 N•m (95 lb-ft).

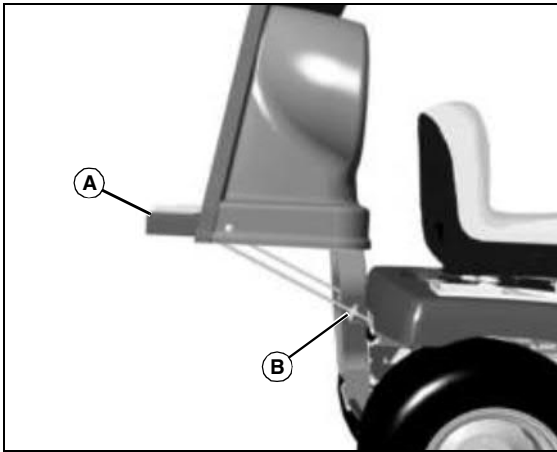
## Installing

### Adjusting Hopper

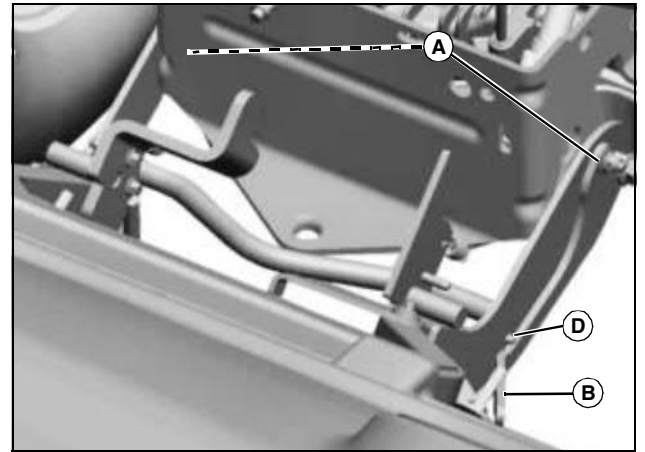
**NOTE:** Machine must be parked on a level surface with tires inflated to the correct air pressure before adjusting the hopper.

- Open the hopper.

# INSTALLING



MX8437



MX36497

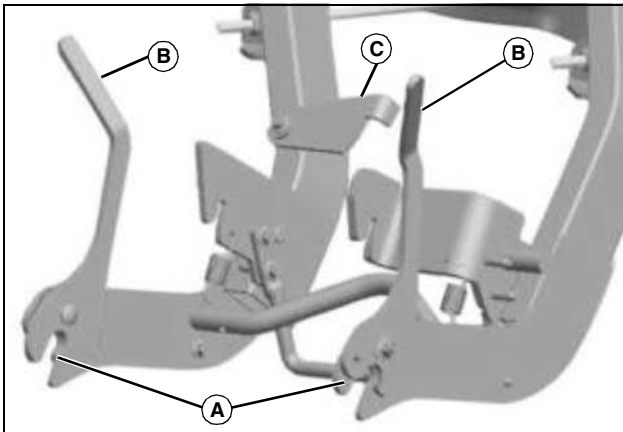
2. Stand to the side of the hopper. Support frame (A) should be angled 2-3° forward of level. Adjust hopper if necessary:

- a. Loosen flange nuts (B) on hopper support rods.
- b. Adjust nuts until support frame is angled slightly forward.
- c. Tighten nuts completely.

## Installing Hopper Assembly

**IMPORTANT: Avoid damage! Hopper should be installed and removed on a non-abrasive surface to prevent scratching the hopper case.**

1. Park the machine safely. (See Parking Safely in the SAFETY section.)



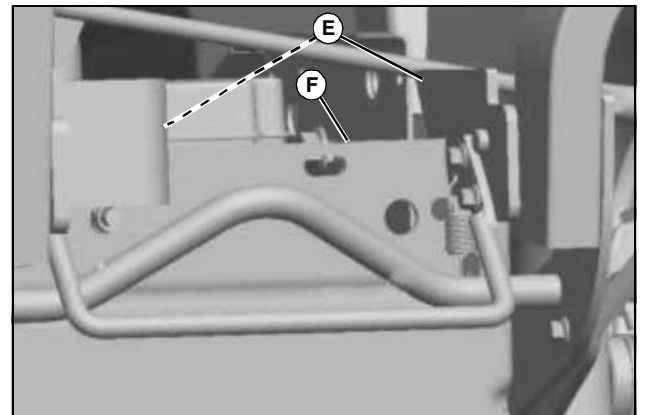
MX36496

2. Position hopper assembly behind the machine. Make sure frame arms (A) are aligned with bagger mounting hardware at rear frame of machine.

3. Lift open latch levers (B) and lock lever (C).

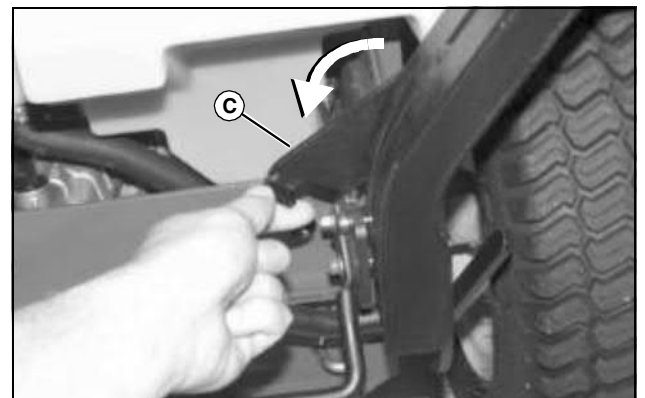
4. Place frame arms (A) around bagger mounting hardware at rear frame of machine.

5. Push latch levers (B) down and below roll pins (D) to secure on both sides.



MX36498

6. Pivot entire hopper assembly up toward machine until latches (E) engage top edge of rear frame (F).



MX8421

7. Move lock lever (C) down to secure hopper assembly to machine frame.

8. Install the grass bags. Leave hopper open to install bagging chute.

## Installing POWER FLOW™

Install POWER FLOW to mower deck. See your POWER FLOW operator's

# REMOVING AND STORING

manual.

## Installing Ballast

Front ballast is recommended to counter-balance the rear bagger:

- Install two 18 kg (40 lb) suitcase weights to front of machine. See your machine operator's manual.

Remove ballast when bagger is not installed to ensure proper steering control and stability.

## Checking Tire Pressure

Check tire pressure of machine before installing bagger. See your machine operator's manual.

## Removing and Storing

### Removing and Emptying Grass Bags



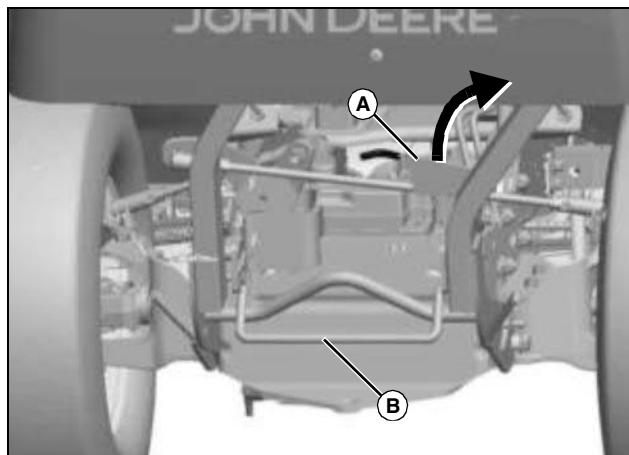
**CAUTION: Avoid injury! Contents in grass bags will cause bagger to become heavy and unbalanced. Always remove and empty bags before removing bagger from machine.**

1. Park the machine safely. (See Parking Safely in the SAFETY section.)
2. Remove and empty the grass bags.

### Removing Hopper Assembly

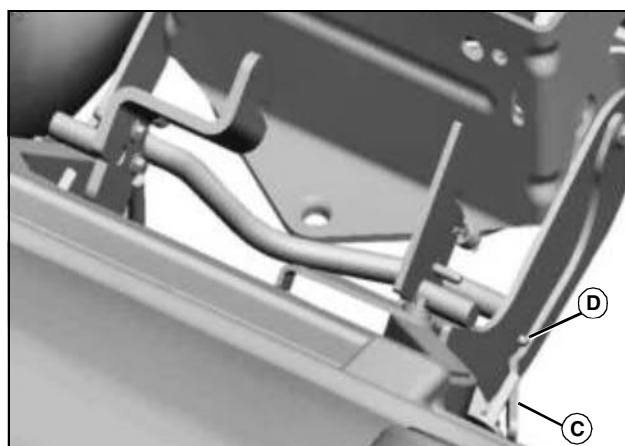
**IMPORTANT: Avoid damage! Hopper should be installed and removed on a non-abrasive surface to prevent scratching the hopper case.**

1. Make sure hopper lid is latched.



MX36499

2. Lift up lock lever (A).
3. Hold hopper assembly securely.
4. Apply foot pressure to latch rod (B) to disengage hopper frame latches from machine frame.
5. Pivot hopper assembly down to the ground.



MX36497

6. Lift latch levers (C) up and over roll pins (D) on both sides.
7. Pull hopper assembly away from machine.

### Removing Ballast



**CAUTION: Avoid injury! To ensure proper operation of the machine when not bagging, remove ballast when the material collection system is removed.**

Remove front ballast. This will ensure proper operation of the machine when bagger is not installed.

### Storing

1. Remove the material collection system.
2. Empty and clean the hopper, chute, and POWER FLOW.
3. Remove any ballast used during bagging. This will ensure proper operation of the tractor when the material collection system is not installed.
4. Replace missing or damaged parts. Make sure all hardware is secure.
5. Paint scuffed metal surfaces to prevent rust.

**IMPORTANT: Avoid damage! Hopper should be stored on a non-abrasive surface to prevent scratching the hopper case.**

6. If possible, store the hopper, chute, and POWER FLOW in a cool, dark place and on a non-abrasive surface. If these parts must be stored outside, put a weather-proof cover over them.
7. Fold the grass bags flat or hanging them upside down away from pests and out of the weather.



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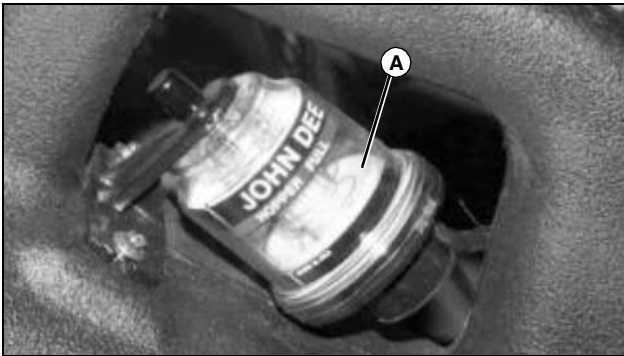
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# OPERATING

## Operating

### Using the Fill Indicator



MX8425

The material collection system requires unrestricted airflow from mower deck to bags for best performance. A fill indicator located on the bagging chute measures airflow through the system. As the grass bags become full, air pressure in the chute increases causing yellow diaphragm (A) to rise. The indicator will also show a hopper full condition if the chute is plugged somewhere between the indicator and hopper.

#### Maintain sufficient airflow:

- Keep the POWER FLOW, chute, hopper, bags and underside of mower deck clean.
- Keep throttle lever at fast position but travel slow.
- Level mower front-to-rear so rear of mower is no more than 10 mm (3/8 in.) higher than front of mower.
- Operate mower in higher cutting positions.
- Replace worn or damaged mower blades.
- Install optional baffle kit, if available, for your mower model. See your John Deere Dealer.

### Dismount to Inspect or Unplug Material Collection System



**CAUTION: Avoid injury! Rotating blades are dangerous:**

- Park the machine safely and lock the park brake before getting off the seat.
- Turn the mower off.
- Stop the engine.

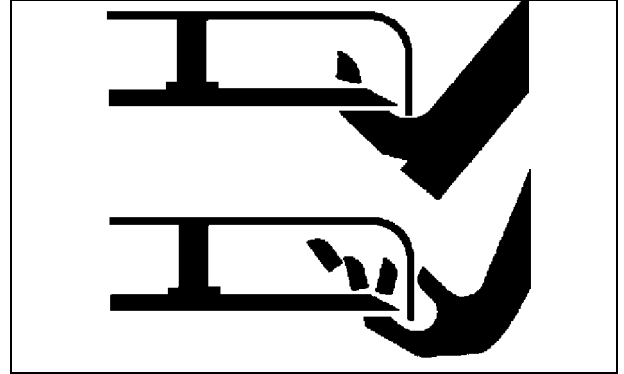
Before getting off the seat:

1. Stop machine on a level surface, not on a slope.
2. Disengage Power Take-Off (PTO).
3. Lower attachments to the ground.
4. Lock the park brake.
5. Stop the engine.
6. Remove the key.
7. Wait for engine and all moving parts to stop before you leave the operator's seat.

### Unplugging the Material Collection System



**CAUTION: Avoid injury! To help prevent injury from mower blades, do not try to unplug discharge chute while engine is running.**



M41421

1. Park machine safely. (See Parking Safely in the SAFETY section.)
2. Open the hopper. Check chute outlet.
3. Remove chute from the POWER FLOW. Check chute inlet.
4. Swing the POWER FLOW away from mower deck. Check under mower deck for grass build-up and debris.

### Installing and Removing Grass Bags

#### Installing



MX8423

1. Pull back handle (A) to unlatch hopper lid.
2. Raise hopper lid.

# GETTING QUALITY SERVICE



MX8424

3. Slide bags (B) into position on support frame (C) so the safety decals are visible at rear of machine.

4. Close hopper lid. Make sure lid is securely latched.

## Removing

1. Pull back handle (A) to unlatch hopper lid.

2. Raise hopper lid.

3. Slide bags (B) from support frame (C).

4. Close hopper lid. Make sure lid is securely latched.

## Filling the Bags

- Check level of clippings often.
- Empty bags when full to prevent plugging of chute.
- Left and center bags usually fill first.
- To avoid tipping, fill bags no more than 1/2 full when operating on slopes.

## Bagging Tips

- Run engine at full throttle. If engine slows down, reduce travel speed.
- Bag grass only when grass is less wet. Wet grass is more likely to plug the mower deck and material collection system.
- Always keep hopper top latched to achieve an air tight seal.
- Install optional baffle kit to mower deck if clippings continually trail behind or blow to the side of the mower. See your John Deere dealer for availability.
- Pick up all rocks, stones, twigs, and other debris before mowing and bagging. Cut grass higher than desired the first time so mower will clear unseen obstructions that could cause damage to the mower or material collection system.

### **IMPORTANT: Avoid damage! Do not leave clippings in bags:**

- **Moisture may damage bags.**
- **Damp clippings are a fire hazard.**

• Never leave grass or leaves in the bags overnight or for long periods of time. Dampness from leaves or grass will cause deterioration of the bags. Also, damp leaves or grass when contained in the bags are combustible and can create a fire.

For this reason, never store garbage bags of leaves or grass bagging equipment with full or partially filled bags in a garage or other enclosure. Grass clippings make excellent compost. Clippings can be used also as

mulch between garden rows or around flowers, shrubs and trees.

- Plastic lawn and leaf or garbage bags can be placed inside the cloth bags to facilitate disposal of grass or leaves. Use 45 gallon lawn and leaf bags. Drape enough of the plastic bag over the outside of the cloth bag on all sides so the bags can easily be tied shut after filling.

To remove plastic bags, first tie the bag shut. Remove cloth bag with plastic bag from hopper. Lift plastic bag out of cloth bag and dispose of clippings.

## After Bagging

### **IMPORTANT: Avoid damage! Don't leave clippings in bags:**

- **Moisture may damage bags.**
- **Clippings are a fire hazard.**

Immediately empty clippings from cloth bags. Allow the bags to dry after mowing to prevent deterioration.

Let engine cool to help prevent starting a fire when you store the mower.

Clean top of deck, engine, and material collection system with compressed air, if possible, to help prevent buildup and fire.

Clean under deck with water under pressure, to help prevent buildup and remove corrosive lawn chemicals. After washing deck, run mower for a few minutes to dry.

## Transporting

If the material collection system will be left on the tractor during transport, follow these guidelines when trailering the unit:

- Empty the cloth bags and remove them from the hopper. At road travel speeds, wind can cause premature wear of the cloth bags.
- Make sure the hopper cover is latched securely to the hopper frame.
- If unit will be transported over long distances or at high speeds, remove the material collection system before transport.

## Getting Quality Service

### Service Literature

If you would like a copy of the Parts Catalog or Technical Manual for this machine call:

- **U.S. & Canada:** 1-800-522-7448.
- **All Other Regions:** Your John Deere dealer.

### Parts

We recommend John Deere quality parts and lubricants, available at your John Deere dealer.

When you order parts, your John Deere dealer needs the serial number or product identification number (PIN) for your machine or attachment. These are the numbers that you recorded in the Product Identification section of this manual.

### Order Service Parts Online

Visit <http://JDParts.deere.com> for your Internet connection to parts ordering and information.

### John Deere Quality Continues with Quality Service

John Deere provides a process to handle your questions or problems, should they arise, to ensure that product quality continues with your John Deere dealer's parts and service support.

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