

2-Bag Grass Bagger For F510 and F525 Front Mowers



JOHN DEERE

OPERATORS MANUAL

2-Bag Grass Bagger For F510 and
F525

Front Mowers

OMM121753 F6 English

John Deere
Lawn & Grounds Care Division
OMM121753 F6

Export Version

LITHO IN U.S.A.
ENGLISH



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INTRODUCTION

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages (see your John Deere dealer to order).

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing the direction of forward travel.

BEFORE DELIVERING THIS MACHINE, your dealer performed a predelivery inspection to ensure best performance.

THIS 2-BAG GRASS BAGGER IS DESIGNED SOLEY for use in customary lawn mowing operation or similar operation ("INTENDED USE"). Use in any other way is considered as contrary to the intended use.

The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

INTRODUCTION

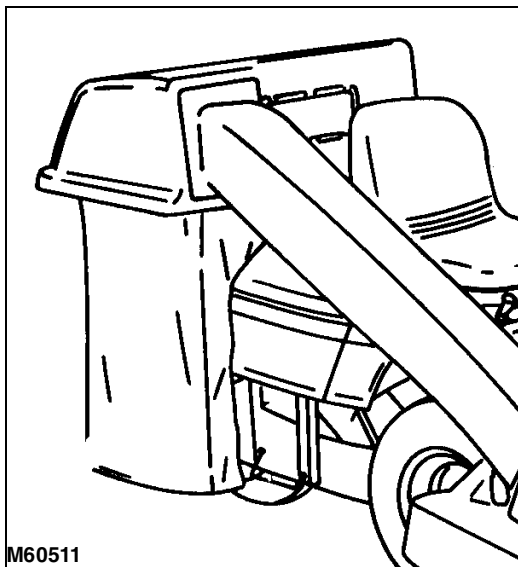
THIS 2-BAG GRASS BAGGER SHOULD BE OPERATED, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). The accident prevention regulations, all other generally recognized regulations on safety and occupational medicine and the road traffic regulations must be observed at all times.

Any arbitrary modifications carried out on this tractor will relieve the manufacturer of all liability for any resulting damage or injury.

Date of Purchase:

Dealer Name:

Phone:



M60511

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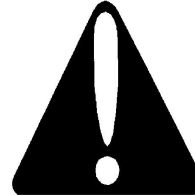
NOTES

NOTES

SAFETY SIGNS

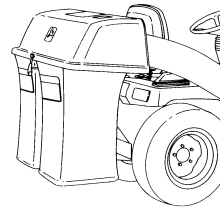
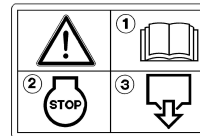
Pictorial Safety Signs

At several important places on this machine safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle . An adjacent pictorial provides information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown in this Safety Signs section.



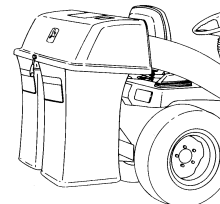
Read Operators Manual And Stop Engine Before Dumping or Unloading

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



Avoid Injury From Tipping

DO NOT drive where tractor could slip or tip.

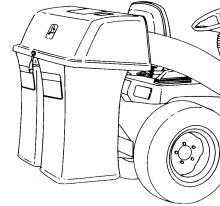


SAFETY SIGNS

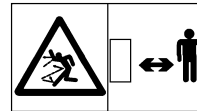
Avoid Injury From Rotating Blades



DO NOT put hands into bagger or chute when engine is running.

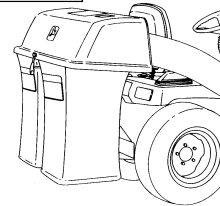


Avoid Injury From Thrown Objects



DO NOT operate mower without discharge chute or entire grass catcher in place.

Stay clear while engine is running.



CE Label

This label on your mower indicates that this model has been certified and is in compliance with European Directive 89/392/EEC Standards.

DEERE & COMPANY
MOLINE, ILLINOIS USA 61265
TYPE 2 BAG BAGGER
1996

PREPARING THE VEHICLE

Front Ballast



CAUTION: To help maintain Front Mower stability, add front ballast.

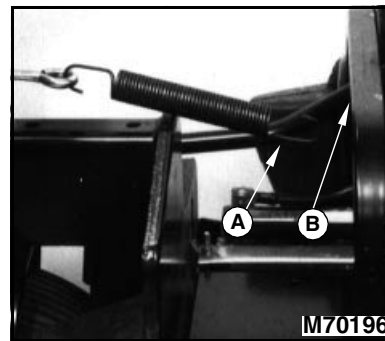
NOTE: A 30 lb wheel weight is available for each of the drive tires. These weights are recommended for grass bagging.

Install Mounting Shield

NOTE: F510 Front Mower shown in all photos.

F525 Front Mower also needs the powerflow attachment.

1. Lift rear of seat plate.
2. Lift hood.
3. Unhook tension spring (A) from tube bracket (B).



PREPARING THE VEHICLE



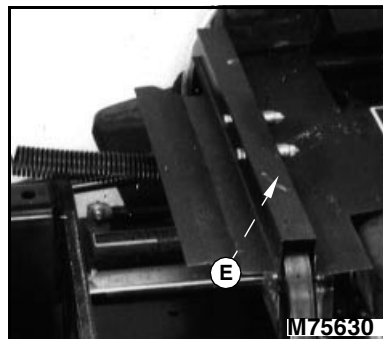
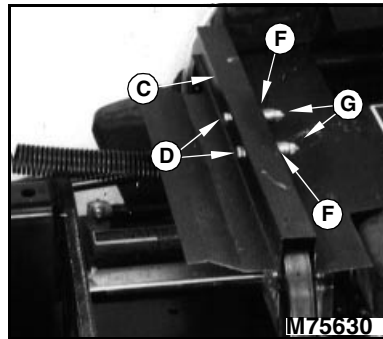
CAUTION: Mounting shield and spring **MUST** be in place when bagging to prevent grass clippings from falling on hot muffler.

NOTE: (F510 Only) Flat side of mounting shield to the front.
(F525 Only) Flat side of mounting shield to the rear.

4. Fasten mounting shield (C) to tube bracket using two M6 x 50 cap screws (D) through shield and tube bracket (E), bushings (F), and M6 lock nuts (G).

NOTE: Mounting shield has two weld brackets with holes in. **ALWAYS** use front hole near engine to hook spring into.

5. Hook tension spring to front bracket hole (E) of mounting shield.



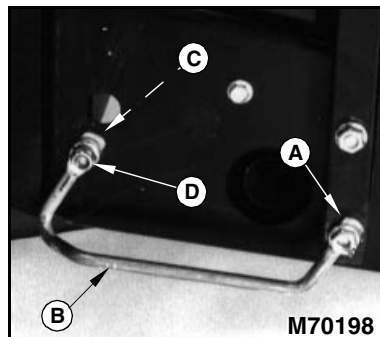
PREPARING THE VEHICLE

Install Deflector Bracket

NOTE: Located near right side of vehicle, near muffler pipe.

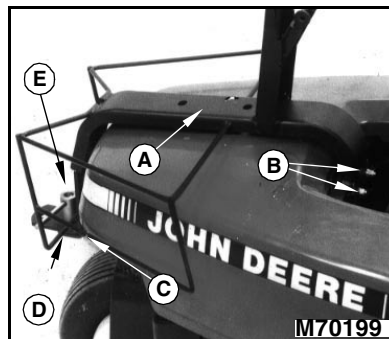
Muffler has been removed in this picture.

1. Remove bottom flange nut (A) from carriage bolt holding tube bracket to front mower frame and save.
2. Fasten deflector bracket (B) to front mower frame using M8 x 20 carriage bolt (C) through square hole in frame, deflector bracket, and M8 flange lock nut (D).
3. Fasten deflector bracket on bottom bolts of tube bracket with flange nut (A) removed in Step 4.



Install Bagger Mounting Bracket

1. Close hood.
2. Attach bagger mounting bracket (A) on bushings (B).
3. Fasten mounting bracket to hitch (C) using square hole of mounting bracket with 3/4 x 1-3/4-in. hitch carriage bolt (D) through hitch, mounting bracket, and T-handle hitch retainer (E).



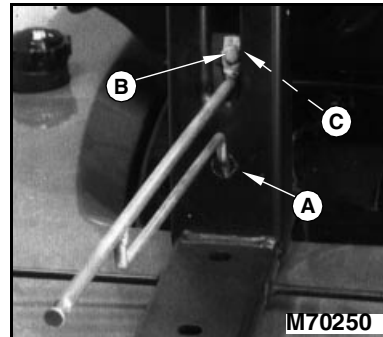
PREPARING THE VEHICLE

Install Latch Retainer



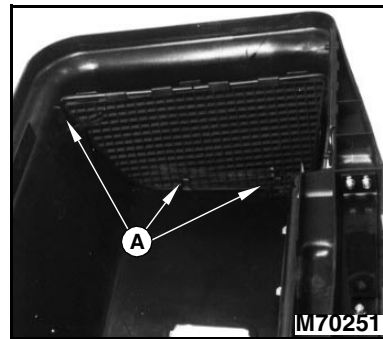
CAUTION: Hands could be pinched when lowering seat plate. Keep hands away from possible pinch area when lowering seat plate.

1. Lower seat.
2. Put hook of latch retainer (A) through hole in mounting bracket.
3. Fasten flat end of latch retainer to mounting bracket with M8 x 25 cap screw (B) through latch retainer, mounting bracket, flat washer, and M8 lock nut (C).



Install Hopper Top Screen

1. Fasten hopper top screen assembly to inside of hopper top with three tie straps (A).
2. Put ends of straps through holes in hopper top tabs and through slots of screen frame.
3. Pull tie straps tight.
4. Cut off excess ends of straps to prevent catching bagging material.



INSTALLING

Park Vehicle Safely

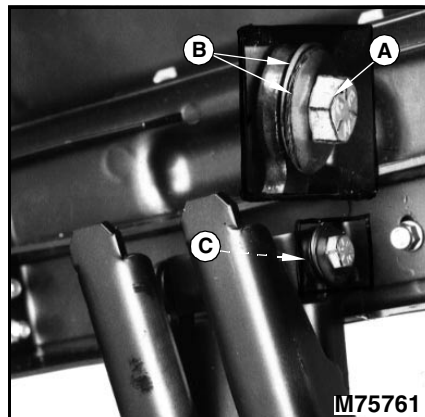
- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts STOP.

Install Hopper Top

IMPORTANT: Spring washers (B) **MUST** be installed under each cap screw head (A) with cup of washers facing each other. **DO NOT OVER-TIGHTEN** these cap screws or damage may result. When properly tightened, hopper top should stay up in the **FULLY RAISED** position **ONLY**. The hopper top should not stay up in any partially opened position. If these hinge cap screws are too tight, the hopper top may become deformed at the hinge area. This will cause an improper seal, create fatigue cracks in hopper top, and crack the window.

NOTE: Tilt seat forward for easier installation.

1. Fasten hopper top to support post with two M8 x 25 cap screws (A), four spring washers (B) and two lock nuts (C). (Nuts inside bracket.)



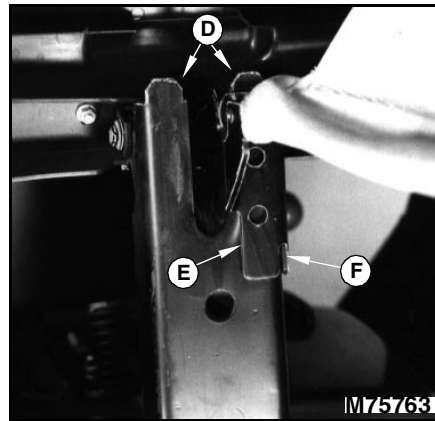
INSTALLING

IMPORTANT: Bag frames must be level horizontally or hopper top will not seal properly.

NOTE: Latch rod removed for photo clarity.

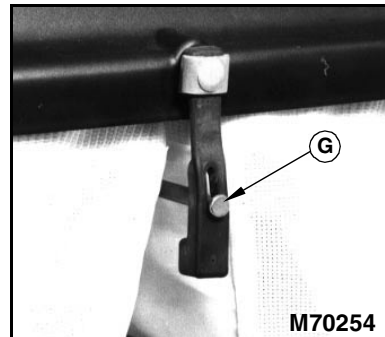
2. Install left and right-hand bags on bag mounting bracket (D).

3. Adjust front to rear by bending tab (E). Adjust side to side by bending tab (F).



CAUTION: Close hopper top before operating mower.

4. Fasten rubber hold-down over latch rod (G). Rubber hold-down should stretch 19–25 mm (3/4–1 in.) when fastened.



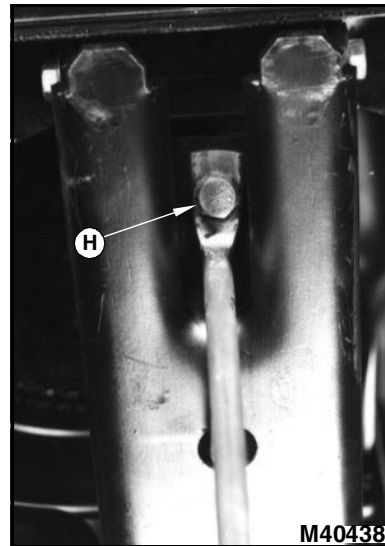
INSTALLING

5. Adjust latch retainer, if necessary:

NOTE: You may need to put extra flat washers between latch rod and bag holder for desired stretch:

- Loosen lock nut (H).
- Move latch rod up or down as needed.
- Tighten cap screw.

When using **POWER FLOW™** with this bagger attachment, see your **POWER FLOW** operator's manual for attaching **POWER FLOW** and chute.



6. Install Power Flow Chute.

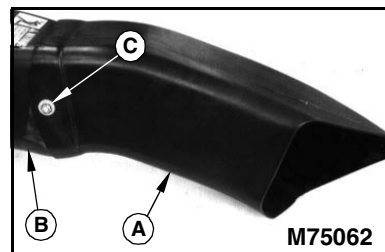
Install Upper and Lower Chute (Cut -N- Throw Units Only)

NOTE: Upper chute (A) may be notched on the end or cut off straight.

1. Install lower chute (B) into upper chute (A).

2. Fasten together with two 3/8-in. shoulder bolts (heads inside chute) through chutes, 13/32-in. flat washers and 3/8-in. lock nuts (C). Use a 1/4-in. allen wrench to hold carriage bolts when tightening nuts.

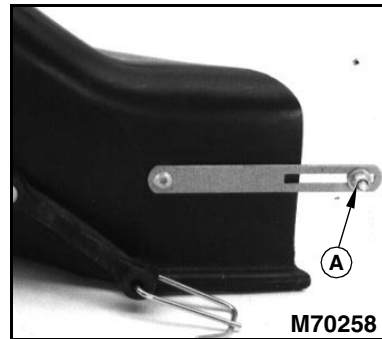
3. Put end of upper chute into hopper top.



INSTALLING

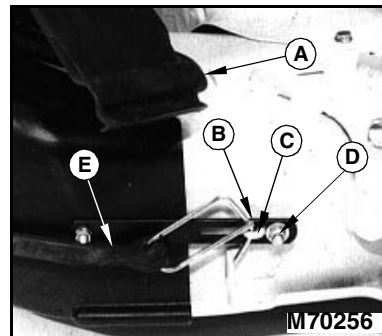
Install Adjusting Hardware (Cut -N- Throw Units Only)

Install 1/4-in. carriage bolt, 9/32-in. flat washer and 1/4-in. lock nut (A) all the way to right of slot in retaining strap of lower chute. DO NOT tighten.



Attach Chute (Cut -N- Throw Units Only)

1. Lift discharge chute deflector (A) and install bagger chute on mower.
2. Put retaining strap (B) over tab (C).
3. Tighten chute against mower by sliding adjusting hardware (D) against tab (C). Tighten hardware.
4. Hook rubber strap latch (E) in hole of tab (C).



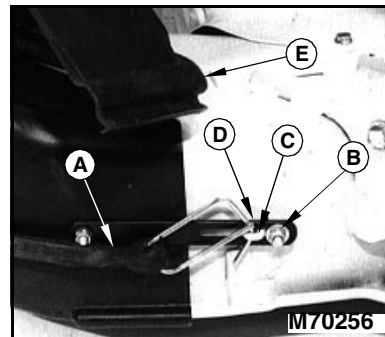
REMOVING

Park Vehicle Safely

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts STOP.

Remove Chute From Mower Deck (Cut -N- Throw Units Only)

1. Unhook rubber latch (A).
2. Loosen chute from mower by sliding adjusting hardware (B) away from tab (C).
3. Remove retaining strap (D) from tab.
4. Lift discharge chute deflector (E) and remove bagger chute from mower.



OPERATING

SAFETY

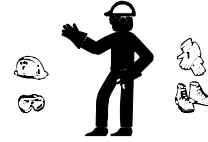
Operate Safely



- Check vehicle brake action before you operate. Adjust or service brakes as necessary.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Clear work area of objects that might be thrown. Keep people and pets out of the work area. Stop machine if anyone enters the area.
- If you hit an object, stop the machine and inspect it. Make repairs before you operate. Keep machine properly maintained and in good working order.
- DO NOT leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- DO NOT let anyone, especially children, ride on machine or vehicle.
- DO NOT let children or an untrained person operate machine.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- Study mowing area. Set up safe mowing pattern. Do not mow under conditions where traction or stability is doubtful.
- First, test drive area with PTO OFF and mower lowered. Slow down when you travel over rough ground.

OPERATING

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.

Avoid Injury From Contacting Blades



Before you dismount to unplug or adjust mower:

- DISENGAGE PTO to stop mower blades.
- STOP the engine.
- LOCK the park brake.
- Remove key.
- Wait for mower blades to STOP.
- Keep hands, feet and clothing away from mower deck when engine is running. Keep hopper top down.
- DISENGAGE PTO to stop mower blades when you are not using mower.
- DO NOT operate bagger unless entire grass catcher is fastened in place with hopper top down.

OPERATING

Bagging Safely

Read ALL CAUTION and WARNING safety signs on attachments.

Before you remove or install bags:

- Stop mower.
- DISENGAGE mower PTO.
- Stop engine.

Do not leave clippings in bags overnight: empty bags when they are full.

Operate safely on slopes:

- Empty bags when they are half full.
- Do not operate on steep slopes.
- Before you turn, slow down.
- Avoid sudden starts and stops.
- Avoid holes, rocks, and roots.
- Mow up and down—not across—slopes.
- Do not park mower/bagger on slopes.

Airflow for Bagger

Bagger needs strong airflow from mower to bags for best performance. Follow these suggestions to help airflow:

- Keep bagger chute, hopper top, screen, bags and underside of mower clean.
- Keep throttle lever at FAST position but travel slow.
- Level mower front-to-rear so rear of mower is no more than 13 mm (1/2 in.) higher than front of mower.
- Operate mower in higher cutting positions.
- Replace worn or damaged mower blades.
- Attach optional lips (if available).

OPERATING

Mowing Tips

When you mow an area for the first time, travel SLOW and cut HIGH so you can:

- Learn the terrain.
- Learn the best mowing pattern.
- Help prevent hitting objects hidden in the grass.

Mow grass only when it is dry: Wet grass may plug mower and attachment and leave a trail of grass clumps.

Mow grass often: Short grass clippings will decay quickly.

Mow at full throttle for best performance.

Use travel speed that fits conditions:

- Travel SLOW when you mow thick, tall grass.
- FAST travel may produce stripes or uneven cut: slow down.
- Travel at MODERATE speed when you mow a thin stand of grass.
- Use faster travel when you are not mowing.

Most lawn-care professionals recommend mowing high and often. Cutting grass too short may kill grass and let weeds grow easily.

Before you make a turn, slow down. Short, fast turns may scuff the ground and pull grass out by roots.

Trimming Tips

- Turn to left around trees, bushes, etc.
- Drive slowly. Avoid hitting trees, bushes, etc.
- If ground slopes up to a tree or bush, you may have to approach the tree or bush straight-on to avoid scalping.

OPERATING

To Avoid Scalping

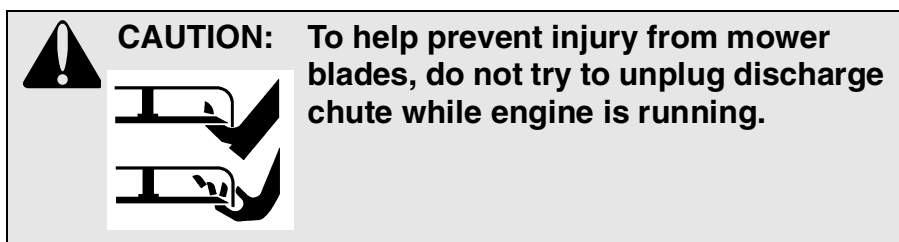
- Pay attention to the way you drive: you can eliminate scalping.
- If mower scalps easily, cutting height may be too low for ground conditions—especially on lawns with many small mounds and ridges.
- Gauge wheel (if equipped) must be adjusted correctly.
- Drive over ridges and through ditches straight-on, not at an angle.

Keep blades sharp: Dull blades will tear grass; tips of grass will then turn brown.

Check lawn regularly for uneven cut. If cut is uneven:

- LOOK: Mower may not be level.
- Slow down before you make a turn.
- Sharpen blades often.
- Gauge wheels properly adjusted.

Checking for Plugging While Bagging



If there is a trail of clippings behind mower, check for plugged chute or full bags.

If grass builds up in front of discharge chute outlet, check for plugged bagger chute.

OPERATING

Dismounting to Inspect or Unplug Chute or Bagger



CAUTION: To help prevent personal injury, follow the steps listed below before you dismount to inspect or unplug chute or bagger.

- STOP mower or tractor.
- LOCK park brake.
- DISENGAGE mower: Push PTO switch lever down OR pull lever to rear.
- Move throttle lever to rear to SLOW position.
- STOP engine. Remove key.
- Wait for all moving parts to stop.

Inspect and Unplug Chute or Bagger



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



Remove debris from the following inspection:

1. Open hopper top. Check chute outlet.
2. Remove chute from mower deck or Power Flow. Check chute inlet.
3. Check under mower deck or inside Power Flow for debris.

OPERATING

Filling Bags

Check level of clippings often.

When clippings are up to window of hopper top, empty bags or you may plug bagger chute.

Left bag normally fills first.

Right bag may not fill completely when you are cutting thin stand of grass. Bag will fill if you slow engine to reduce airflow.

Fill bags 1/2 full when operating on slopes to avoid tipping.



Bagging Tips



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

Run engine at full speed. If engine slows down, reduce travel speed.

Bag grass only when grass is dry: Wet grass will plug chute and bagger.

Keep hopper top closed.

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 bagging attachment.



OPERATING

IMPORTANT: 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 attachment 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 33 gallon size lawn and leaf bags.

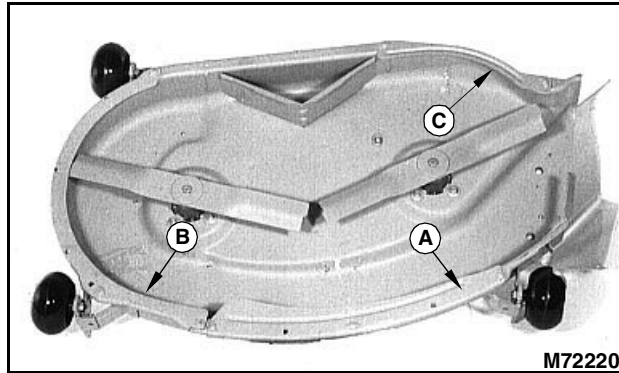
NOTE: Be sure to drape enough of the plastic bag over the outside of the cloth bag on all four sides so the bags can easily be tied shut after filling.

To remove plastic bags, first tie the bag shut. Then remove cloth bag with plastic bag from support. Lay bag on its side on ground. Hold cord on bottom of bag and shake material out of bag to empty.

IMPORTANT: Bagger may extend beyond machine or mower. Be careful not to hit tree or building, etc., with hopper when you make short turn.

OPERATING

Bagging With Optional Bolt-On Lip Sections (38-Inch Mower)



A - Front Lip Section
B - Side Lip Section
C - Rear Lip Section

Front Lip Section	
Features	• Reduces material blown out right front corner of deck. • Helps keep engine, mower deck, and operator clean. • Prevents leaves from blowing away from deck. • Increase airflow from mower to bags.
Recommended	• Leave in place at all times.

OPERATING

Front Lip Section	
Not Recommended	• When mowing long, lush or thick grass where poor cut quality is a problem. • Not required with low lift blades.

Side Lip Section	
Features	• Reduces material blown out left front corner of deck. • Helps keep engine and operator clean. • Eliminates material blown out on left side of deck when mowing along sidewalks and roadsides.
Recommended	• Used with medium or high lift blades when bagging in dry, dusty conditions.
Not Recommended	• When mowing long, lush or thick grass where poor cut quality is a problem. • Not required when side discharging.

Rear Lip Section	
Features	• Creates vacuum effect that sweeps lawn clean.
Recommended	• When bagging leaves, pine cones, needles, sticks, loose bark, after thatching or when bagging very heavy grass.

TROUBLESHOOTING

Using Troubleshooting Chart

If you are experiencing a problem that is not listed in this chart, see your John Deere dealer for service.

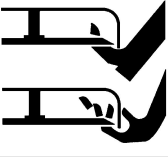
When you have checked all the possible causes listed and you are still experiencing the problem, see your John Deere dealer.

Grass Not Being Picked Up Completely	Mow grass only when dry.
	Reduce mower ground speed.
	Empty 2-Bag Bagger.
	Clean screen in hooper top.
	Unplug chute.
	Check cutting edge of mower blades.
	Increase engine speed to full throttle.
	Check for worn or slipping belt.
Collection Chute Plug	Mow grass ONLY when dry.
	Empty bags.
	Clean screen in hopper top.
	Reduce mower ground speed.
	Stop mower when bags are full, monitor bags/hopper more frequently.

STORING 2-BAG BAGGER

Removal and Storage

1. Follow your Front Mower operator's manual for correct stopping and parking procedure.

		CAUTION: Frames, mower decks and blades have sharp edges. Wear gloves or wrap cloth around sharp edges to help prevent injury.
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IMPORTANT: If optional high-lift blades (38-inch mowers ONLY) were installed on the mower, remove these blades. Use regular blades when bagging attachment is not used.
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1. Remove high-lift mower blades, if furnished with bagging attachment.
2. Install regular mower blades and tighten blade attaching bolts to 68-70 N•m (50-58 lb-ft).
3. Disconnect bagging attachment discharge chute from mower deck and hopper.
4. Remove bags, drilled pin, and support post with hopper top.
5. Store in dry area.

SPECIFICATIONS

2-Bag Bagger Specifications

This 2-Bag Bagger can be used with the following mower decks:

- 38, 46 and 48

The approximate volume of each bag is:

- 0.11 m³ (3.25 Bushel)

(Specifications and design subject to change without notice.)

Recommended Lubricants

Gear Oil	John Deere GL-5 Gear Lubricant
Grease	John Deere MOLY HIGH TEMPERATURE EP GREASE
	John Deere HIGH TEMPERATURE EP GREASE
	John Deere GREASE GARD™

(Specifications and design subject to change without notice)

SPECIFICATIONS

MANUFACTURER'S DECLARATION

DEERE & COMPANY
JOHN DEERE ROAD
MOLINE, ILL 61265-8098 USA

I, THE UNDERSIGNED:
DECLARE THAT THESE MACHINES

TYPE2 BAG BAGGER

COMPLY WITH THE APPLICABLE REQUIREMENTS OF:

MACHINE DIRECTIVE89/392/EEC

ATTENTION: START-UP OF THIS MACHINE IS PROHIBITED UNTIL IT HAS
BEEN INCORPORATED INTO THE MACHINE(S) WHICH COMPLY
WITH THE APPLICABLE REQUIREMENTS LISTED

DONE AT:
JOHN DEERE HORICON WORKS 1 JULY 1994



DONALD L. HENDERSON
GENERAL MANAGER
JOHN DEERE LAWN AND GARDEN PRODUCTS

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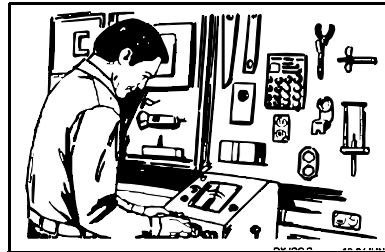
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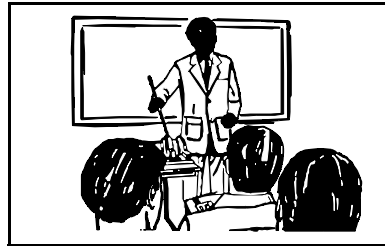


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