

# LP49055 and LP49056 Gator™ Mounted Spreader



JOHN DEERE

## OPERATOR'S MANUAL

### Gator™ Mounted Spreader

OMM174150 ISSUE K4 (ENGLISH)

#### CALIFORNIA

##### Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

#### **WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.  
Additional Proposition 65 Warnings can be found in this manual.

**John Deere Horicon Works**

North American Edition  
Printed in U.S.A.



# Introduction

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## Using Your Operator's Manual

Read this entire operator's manual, especially the safety information, before operating.

This manual is an important part of your machine. Keep all manuals in a convenient location so they can be accessed easily.

Use the safety and operating information in the attachment operator's manual, along with the machine operator's manual, to operate and service the attachment safely and correctly.

If your attachment manual has a section called Preparing the Machine, it means that you will have to do something to your tractor or vehicle before you can install the attachment. The Assembly and Installation sections of this manual provide information to assemble and install the attachment to your tractor or vehicle. Use the Service section to make any needed adjustments and routine service to your attachment.

If you have any questions or concerns with the assembly, installation, or operation of this attachment, see your local John Deere dealer or call John Deere Special Services at 1-888-867-2238 for assistance.

# Contents

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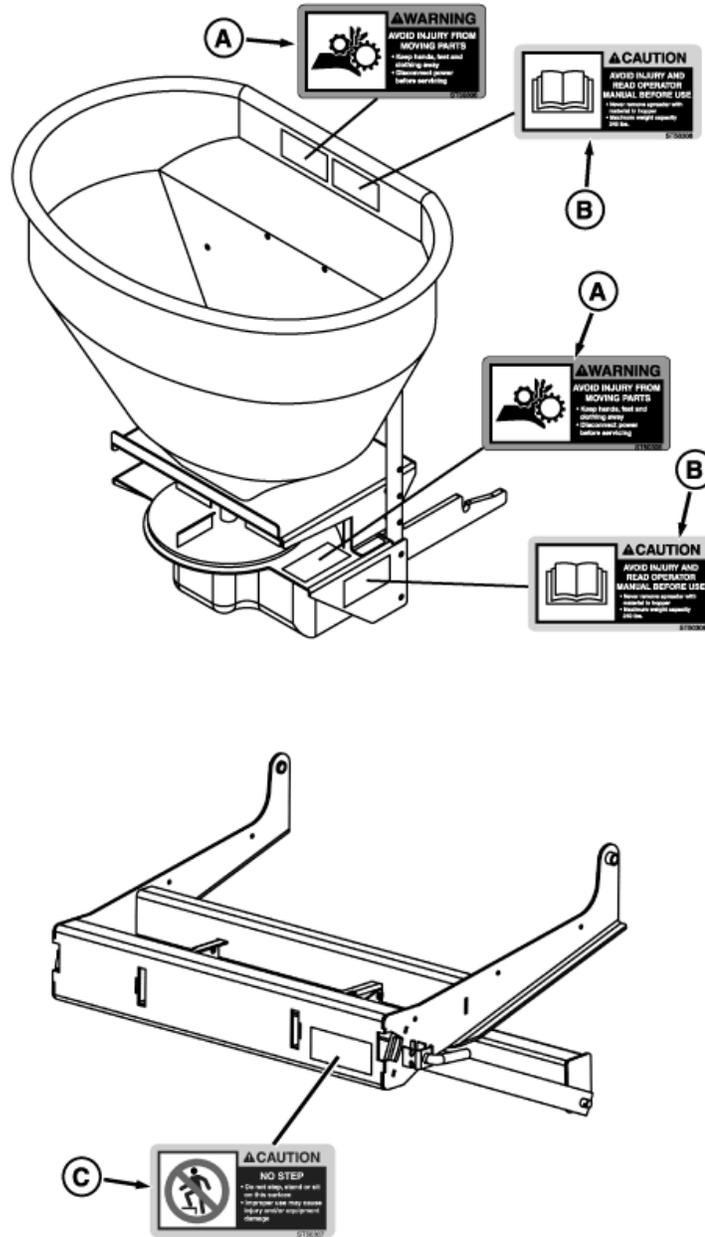
## Product Identification

### Product Compatibility

This attachment is compatible with John Deere Gator™ Utility Vehicles. Contact your John Deere dealer for specific utility vehicle compatibility information.

## Safety Labels

### Safety Label Location



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

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 A John Deere ILLUSTRATION © Manual

A — WARNING ST50306  
 B — CAUTION ST50308  
 C — CAUTION ST50307

MXT012534—UN—13NOV14

# Safety

## Understanding The Machine Safety Labels



MXAL42363—UN—22MAY13

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.

Replace missing or damaged safety labels. Use this operator's manual for correct safety label placement.

There can be more safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

### French or Spanish Safety Labels and Operator's Manual

Operator's manuals and safety labels with content in French or Spanish are available for this machine through authorized John Deere dealers. See your John Deere dealer.

*NOTE: Both text and no-text labels are shown. Your machine is only equipped with one of these types of labels.*

## Warning

### Avoid Injury From Moving Parts

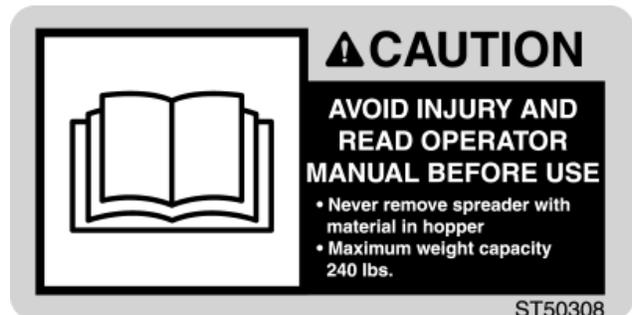


MXT010674—UN—27AUG14

- Keep hands, feet and clothing away
- Disconnect power before servicing

## Caution

### Avoid Injury and Read Operator Manual Before Use



MXT010675—UN—27AUG14

- Never remove spreader with material in hopper
- Maximum weight capacity 240 lb.

## Caution

### No Step



MXT010676—UN—27AUG14

- Do not step, stand or sit on this surface
- Improper use may cause injury and/or equipment damage

## 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 the machine and attachment operator's manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the machine and disengage the controls quickly.
- This attachment is intended for use in lawn care and home applications. Do not use for use other than intended by the manufacturer.
- Do not modify machine or safety devices. Unauthorized modifications to the machine or attachment may impair its function and safety.
- Do not let children or an untrained person operate machine.
- Make any necessary adjustments before you operate. Never attempt to make any adjustments while the engine is running, unless if recommended in adjustment procedure.
- Look behind machine before you back up. Back up carefully.

# Assembly

- Do not let anyone, especially children, ride on machine or attachment. Riders are subject to injury such as being struck by foreign objects and being thrown off. Riders may also obstruct the operator's view, resulting in the machine being operated in an unsafe manner.
- Disengage any power to the attachment when the machine is transported or not in use.
- Never exceed 15 mph when loaded spreader is attached to vehicle. Braking distances may be reduced and handling characteristics may be impaired at speeds above 15 mph.
- Never use wet materials or materials with foreign debris in the spreader. This unit is designed to spread dry, clean, free-flowing material.
- Never leave material in hopper when not in use.

## 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.

## Wear Appropriate Clothing



MXAL41935—UN—18FEB13

- Always wear eye protection when operating the machine.
- Wear close fitting clothing and safety equipment appropriate for the job.

- While operating this machine, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.

## Read Chemical Container Label

- Chemicals can be dangerous. Improper selection or use can injure persons, animals, plants, soils or other property. Select the right chemical for the job and handle and apply with care.
- Read the instructions, precautions, and warnings on the container label before opening. Use the product strictly according to label directions for specific applications, in the amounts specified, at the times specified and only when needed.
- Keep the container closed tightly except when preparing the mix.
- Do not remove labels from chemical containers. Store all chemicals in their original containers.
- Do not mix chemicals unless stated on the container label.
- Store chemicals when not in use according to the container label.

## Handle Chemical Products Safely

- Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include pesticides, herbicides and fungicides.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.
- The MSDS should be obtained from the chemical dealer at the time of the chemical purchase.
- Check the MSDS before beginning any job using a hazardous chemical. Know exactly what the risks are and how to do the job safely. Always wear recommended personal protection equipment.

## Handling Waste Product and Chemicals

Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people:

- Do not use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or authorized dealer to learn how to recycle or get rid of waste products.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. The seller of the chemical products used with your machine is responsible for providing the MSDS for that product.

## Assembly

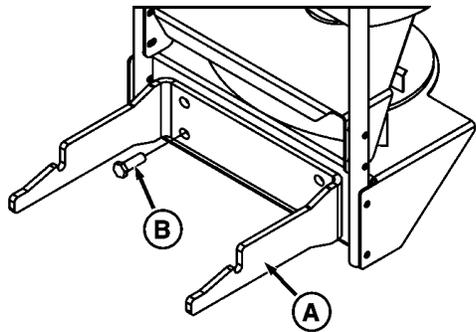
### Parts in Kit

#### Spreader Assembly

Qty.	Description
1	Spreader Assembly
1	Hitch Mount
2	Hopper Cover
4	Bolts, 1/2 x 1-1/2 in. Hex Flange

# Installing

## Assembly

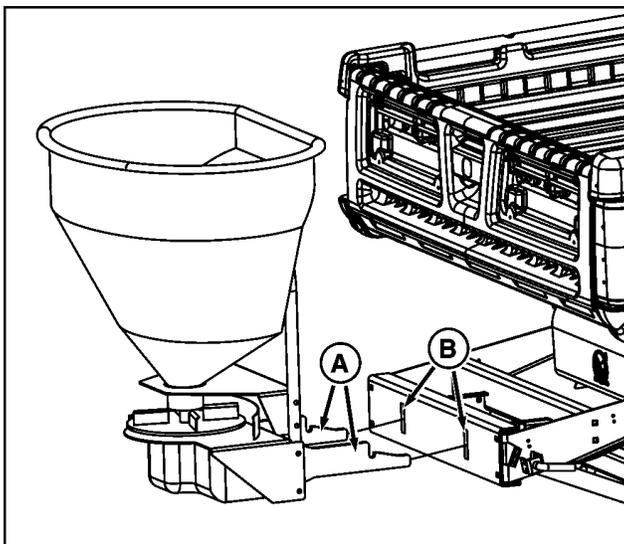


MXT010680—UN—28AUG14

1. Connect the hitch mount (A) to the attachment using four 1/2 in. x 1-1/2 in. flange bolts (B).

## Installing

### Install Spreader



MXT011005—UN—29AUG14

1. To aid installation, add grease to the slots.

*NOTE: It is recommended that two people lift the spreader for this installation.*

2. Slide receiver arms (A) into the slots (B) until it clicks to lock into place. Be sure that the hitch latches securely.

## Operating

### Using Spreader Controls



MXT011019—UN—29AUG14

- Switch (A) controls the motor (spinner, agitator, auger) On and Off.
- Knob (B) controls the speed of the motor and the distance the material is thrown. For the salt spreader, it also controls the application rate and auger speed.
- Switch (C) only applies to the fertilizer spreader. It opens and closes the gate to let material through.

### Using LP49055 Spreader for Salt

**IMPORTANT: Avoid damage! Never leave materials in hopper for long periods of time. Material attracts moisture and hardens.**

**Never exceed 16 km/h (10 mph) while spreading.**

**Never operate spreader near pedestrians.**

The salt spreader is for rock salt only. Do not use spreader for fertilizer.

If the salt spreader becomes jammed with material turn off the spreader. Turn knob to the fastest speed, and turn on the spreader momentarily to get the material flowing. Return to normal spreading.

The speed of the spinner and the speed of the vehicle controls calibration of the salt spreader. The knob on the control box controls the width of the spread, and the speed of the vehicle controls application rate.

### Using LP49056 Spreader for Fertilizer

**IMPORTANT: Avoid damage! Never leave materials in hopper for long periods of time. Material attracts moisture and hardens.**

**Never exceed 16 km/h (10 mph) while spreading.**

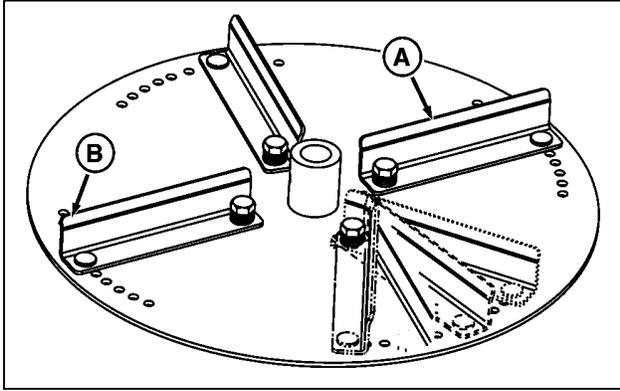
**Never operate spreader near pedestrians.**

The fertilizer spreader is for finer materials. Do not use spreader for rock salt.

To start, select proper gate stop position and desired spinner speed, then switch on control power.

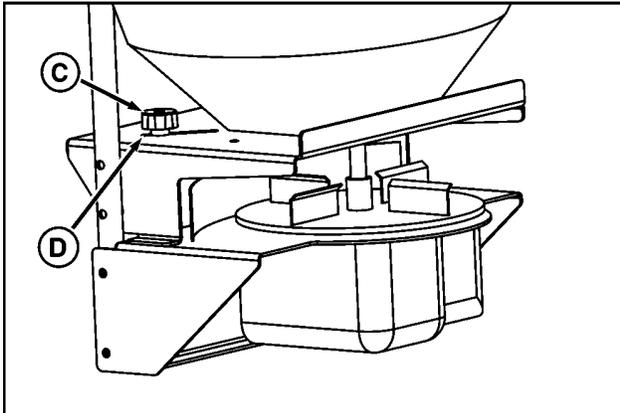
Recalibrate when switching between materials.

# Operating



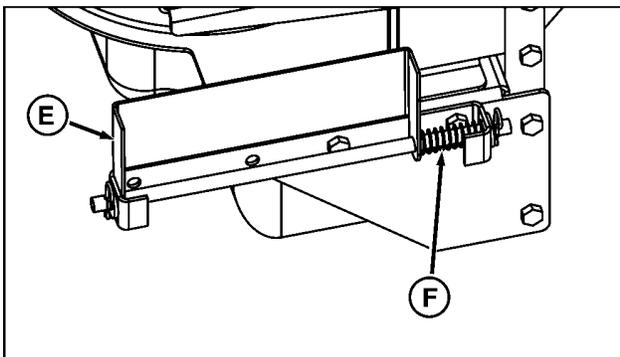
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The adjustable fin (A) provides a way to adjust spread patterns with different materials. Select the desired position by lifting the outside top edge (B). Different materials act in different ways in relation to spinner speed. Moving the fins corrects most pattern issues without having to sacrifice spinner speed. All adjustments must be made on pavement and positions noted for future reference. Incorporate adjustments into your normal calibration process.



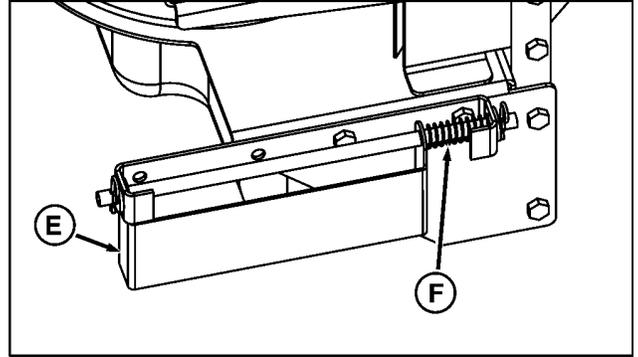
MXT011021—UN—29AUG14

1. To change the material flow rate, adjust the gate stop bolt. Loosen knob (C) and reposition in the slot.
2. Position the knob in the end of the slot at position (D) for maximum material output.



MXT011022—UN—29AUG14

Picture Note: Barrier shield up.



MXT011023—UN—29AUG14

Picture Note: Barrier shield down.

The barrier shield (E) comes installed on the right side of the fertilizer spreader.

- To raise or lower the shield, push it forward against the spring (F) and rotate.
- To move the shield to the left side, the assembly must be taken apart and reassembled with the spring and bolts on the opposite side.

## Fertilizer Spreader Calibration

### Disclaimer

It is the responsibility of the person using this equipment to make sure that every type of material is properly calibrated to perform as expected. To achieve a safe and accurate reading for proper material distribution, calibration must take place on a solid flat surface away from drains and livestock areas. Failure to do so causes an over or under application that damages turf areas or gives an ineffective pest control treatment. Any calibration charts contained in this manual are given as a reference point only and must not be used as an absolute condition. Spending a few extra minutes to calibrate not only saves on wasted materials and time, but also protects turf and other vegetation. Be aware of the following points before operating your spreader in the field.

### Flow Rates

Flow rates of materials change for many reasons:

- Formulations vary within the same brand or even between brands.
- Formulations vary between batches or dates of manufacture.
- Humidity causes the material to clump and flow poorly.
- Poor spreader maintenance causes flow changes.
- Slide stop has moved or has been calibrated to another type of material.
- Human error causes rate miscalculation.

### Items Needed for Calibration

- A way to catch the material for weighing.
- A device to measure distance.
- A scale to weigh your product.
- A stop watch or other device to measure time.

### Conversion

To convert pounds per 1000 sq. ft. to pounds per acre, multiply your rate by 43.6. To convert miles-per-hour to feet-per-minute, multiply miles-per-hour by 88.

### Other Important Information

1 acre is equal to 43 560 sq. ft. Ground speed is important to keep in mind when doing calculations, convert miles-per-hour to feet-per-minute.

### Calibration

NOTE: To change the spread pattern, adjust the spinner fins.

# Maintenance

To calibrate the spreader, use a level, open area of pavement. Set the gate stop in the middle as a starting point. Fill the hopper with the material desired. Turn on the spreader. To achieve desired spread width, adjust spinner speed. Record the spinner speed and the resulting spread width. Determine the driving speed while spreading (in feet-per-minute). Determine desired application rate (converted to pounds-per-square-foot). To determine the pounds-per-minute that the gate setting must allow, use the following equation.

Desired Application Rate (pounds-per-square-foot) x Spread Width (feet) x Speed (feet-per-minute) = Pounds-per-minute.

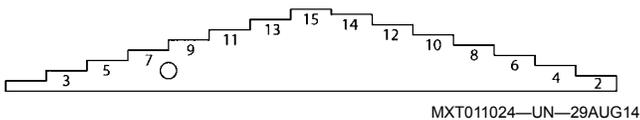
Open the gate using the switch mounted on the left of the control unit. The spinner must be operating during this step. Put a bucket or other means of catching material at the back of the spreader. Leave the gate open for one minute. Brush off all excess from the spinner and motor enclosure into the bucket. Weigh the bucket with material. Subtract the weight of the bucket when empty and record. To achieve the required "pounds-per-minute" rate, adjust the gate based on the result. Once the setting is established, you are ready to spread. Record for future use on the notes page of this manual (example record: when spreading Material XYZ... Spinner speed 5 (width=14 ft.), Drive 3.5 mph (308 fpm), Gate = 13 in.).

Begin spreading with the vehicle speed, gate setting, and spinner speed used in your calculations.

	Gate Setting	Materials				
		UREA 46-0-0	Lesco Surface	Lesco Shade Mix	Lesco Fert. 30-0-10	Lesco Insecticide
Key Settings	1	X	X	X	X	0.57
	2	1.39	0.83	X	0.39	5.28
	3	7.15	2.11	X	3.84	14.38
	4	10.54	X	0.18	8.79	18.06
	5	15.97	X	0.40	13.55	30.24
	6	24.66	X	0.51	17.07	35.04
	7	31.36	14.70	0.66	23.94	50.32
	8	35.70	X	0.98	29.74	56.22
	9	47.70	X	1.78	39.38	64.56
	10	55.29	X	5.59	45.20	76.47
	11	63.39	37.95	7.27	53.22	82.59
	12	73.59	X	8.72	64.64	106.49
	13	78.60	X	10.00	69.06	122.64
	14	83.08	X	11.81	73.80	133.72
	15	93.52	57.32	11.94	91.32	145.00

Flow Rates Are Calculated at Pounds-Per-Minute

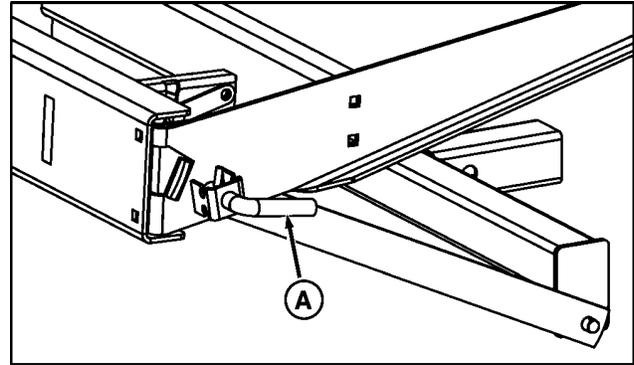
TABLE IS FOR REFERENCE ONLY



## Raising the Vehicle Bed

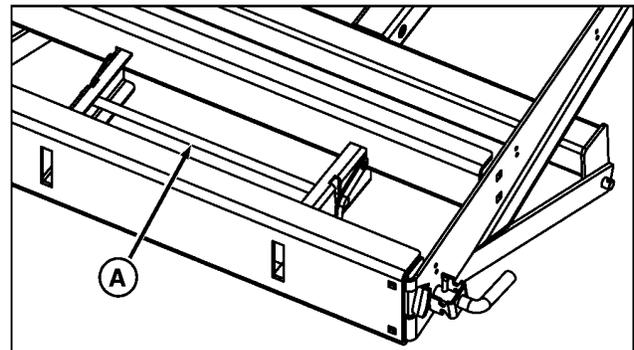
**IMPORTANT: Avoid damage! Be sure that the attachment mounting frame is locked in the up position when operating the vehicle. Driving with the frame folded down damages the frame or vehicle.**

*NOTE: Lift on the frame when pulling the second pin and lower gently to the ground.*



1. To raise the bed without removing the attachment mounting frame, pull and turn pins (A) to lock them out. Lower the mounting frame.
2. To put the attachment mounting frame back into position, release the pins and lift the frame until it clicks into position.

## Release Attachment



1. To release an attachment, lift rod (A).
2. Slide the attachment forward slightly, unlocking it to pull it out.

## Maintenance

### Servicing Spreader

When servicing is necessary, perform it in a protected area. Do not use power tools in rain or snow because of danger of electrical shock or injury. Keep area well lighted. Use proper tools. Keep the area of service clean to help avoid accidents.

Disconnect electricity to spreader before servicing.

The controller is a solid state electronic unit and is not serviceable. Any attempt to service will void warranty. There are no serviceable parts in the motor/transmission assembly. Any attempt to service will void warranty. When replacing parts, use only original manufacturer's parts. Failure to do so will void warranty.

Use dielectric grease on all electrical connections to prevent corrosion at the beginning and end of the season and each time power plugs are disconnected.

Wash unit after each use to prevent material build-up and corrosion. When pressure washing motor enclosure area, stay at least 1 m (36 in.) away from motor enclosures.

Paint or oil all bare metal surfaces at the end of the season.

# Specifications

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If motor cover is removed for any reason, use silicone sealant to ensure weather-proofing of enclosure. Leave a small area unsealed to allow moisture to escape.

Keep gate linkage lubricated with moly-based lubricants.

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## Specifications

### Salt Spreader

Volume	3 cu. ft.
Weight (empty)	20 kg (45 lb.)
Weight (full)	129 kg (285 lb.)
Motor	1/3 hp.
Spreading Width	up to 7.62 m (25 ft.)

### Fertilizer Spreader

Volume	3 cu. ft.
Weight (empty)	34 kg (75 lb.)
Weight (full)	143 kg (315 lb.)
Motor	1/3 hp.
Spreading Width	up to 6.00 m (20 ft.)

## Getting Quality Service

### 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 quality parts and service support.

Follow the steps below to get answers to any questions you may have about your product.

1. Refer to your attachment and machine operator manuals.
2. In North America or Canada, call John Deere Special Services at 1-888-867-2238 and provide product serial number (if available) and model number.

# Notes

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## Notes

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# Notes

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