



JOHN DEERE

OPERATORS MANUAL
10 cu ft Gator In-Bed Spreader - 835/865

LP69905
Supplier ST50735
04/04/2022
English

Introduction

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 titled 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 the John Deere Customer Contact Center at 1-800-448-9282 for assistance.

Warranty information for this John Deere attachment can be found in the warranty that came with your John Deere tractor or vehicle.

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.

NOTE: Retain these installation instructions with the machine operators manual.

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Product Compatibility

This Spreader is designed for use with John Deere Full-Size Gator™ Utility Vehicles: XUV835E, XUV835M, XUV835R, XUV865E, XUV865M, and XUV865R.

E spec models will require installation of BM26266 (E spec harness) and BM26268 (Dash port harness).

M spec models will require installation of BM26268 (Dash port harness).

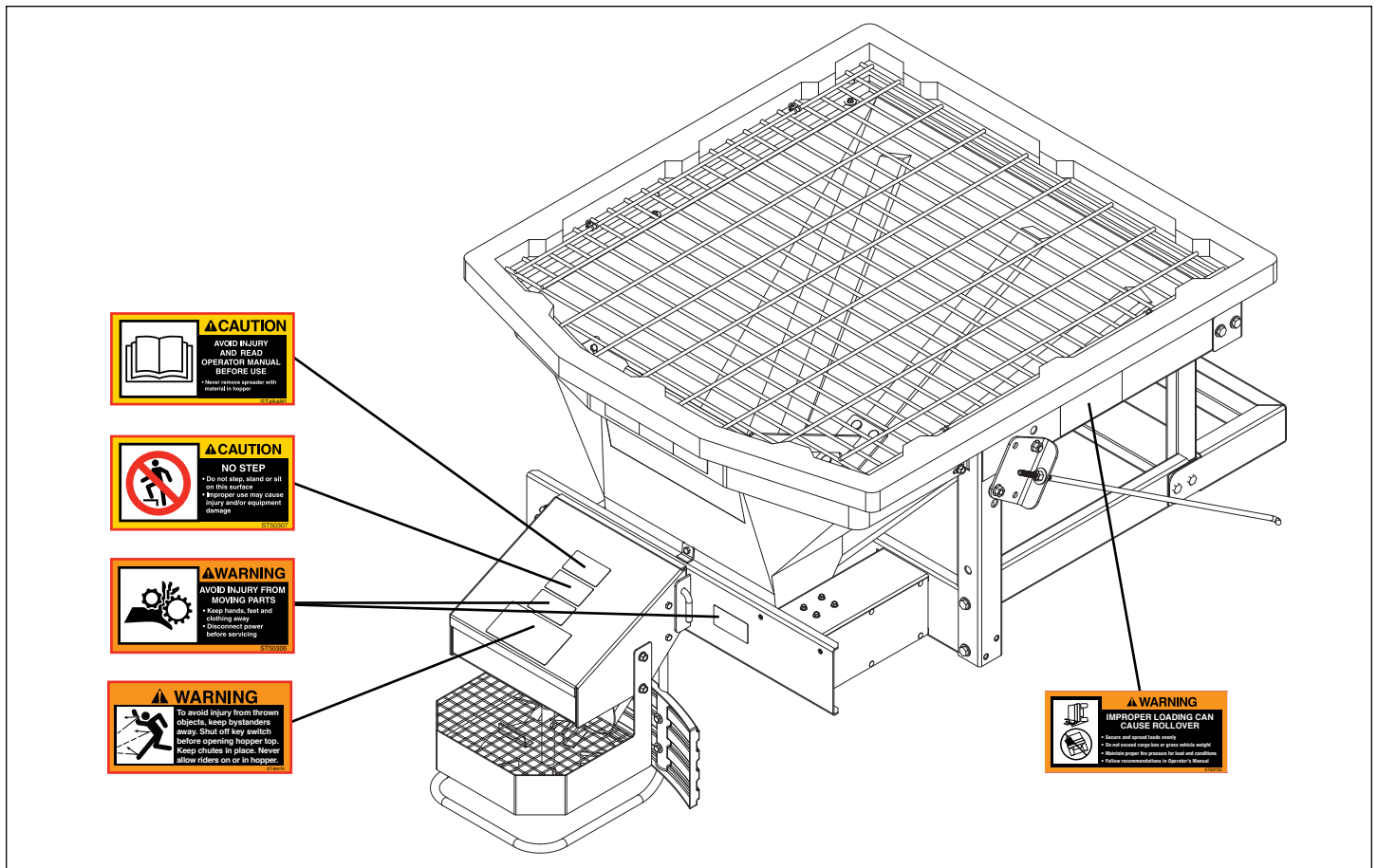
R spec models will require installation of BM26268 (Dash port Harness).

For all models, BUC10316 (CAN Bridge Kit) optional.

Contact your John Deere dealer for specific utility vehicle compatibility.

Safety Labels

Safety Label Locations



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. DANGER or WARNING safety labels are located near specific 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.

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

- DANGER; The signal word DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- WARNING; The signal word WARNING indicates a hazardous situation which, if not avoided, will result in death or serious injury.

- CAUTION; The signal word CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. CAUTION may also be used to alert against practices associated with events which could lead to personal injury.

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.

Safety Labels

WARNING

AVOID INJURY FROM MOVING PARTS

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



⚠ WARNING
AVOID INJURY FROM MOVING PARTS

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

ST50306

WARNING

IMPROPER LOADING CAN CAUSE ROLLOVER

- Secure and spread loads evenly
- Do not exceed cargo box or gross vehicle weight
- Maintain proper tire pressure for load and conditions
- Follow recommendations in Operator's Manual



⚠ WARNING
IMPROPER LOADING CAN CAUSE ROLLOVER

- Secure and spread loads evenly
- Do not exceed cargo box or gross vehicle weight
- Maintain proper tire pressure for load and conditions
- Follow recommendations in Operator's Manual

ST50725

CAUTION

AVOID INJURY AND READ OPERATOR MANUAL BEFORE USE

- Never remove spreader with material in hopper



⚠ CAUTION
AVOID INJURY AND READ OPERATOR MANUAL BEFORE USE

- Never remove spreader with material in hopper

ST48480

WARNING

AVOID THROWN OBJECTS

- Keep bystanders away
- Shut off key switch before opening hopper top.
- Keep chutes in place.
- Never allow riders on or in hopper.



⚠ WARNING
To avoid injury from thrown objects, keep bystanders away. Shut off key switch before opening hopper top. Keep chutes in place. Never allow riders on or in hopper.

ST48479

CAUTION

NO STEP

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



⚠ CAUTION
NO STEP

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

ST50307

Safety

Read Safety in Machine Operator's Manual

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

Operating Safety

- 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 property maintenance 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 it is recommended in adjustment procedure.
- Look behind machine before you back up. Back up carefully.
- Never carry passengers, especially children, 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 increased 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 the negative battery cable(s) 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.

Parking Safely

1. Stop vehicle on a level surface, not on a slope.
2. Fully lower the cargo box and any attachments on the machine that can be lowered.
3. Fully engage the parking brake and ensure vehicle is not moving.
4. Stop engine.
5. Remove key.
6. Disconnect the negative battery cable before servicing the machine.

Safety

Wear Appropriate Clothing

- 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.
- Always wear substantial footwear. Do not operate the equipment when barefoot or wearing open sandals.



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.
- 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

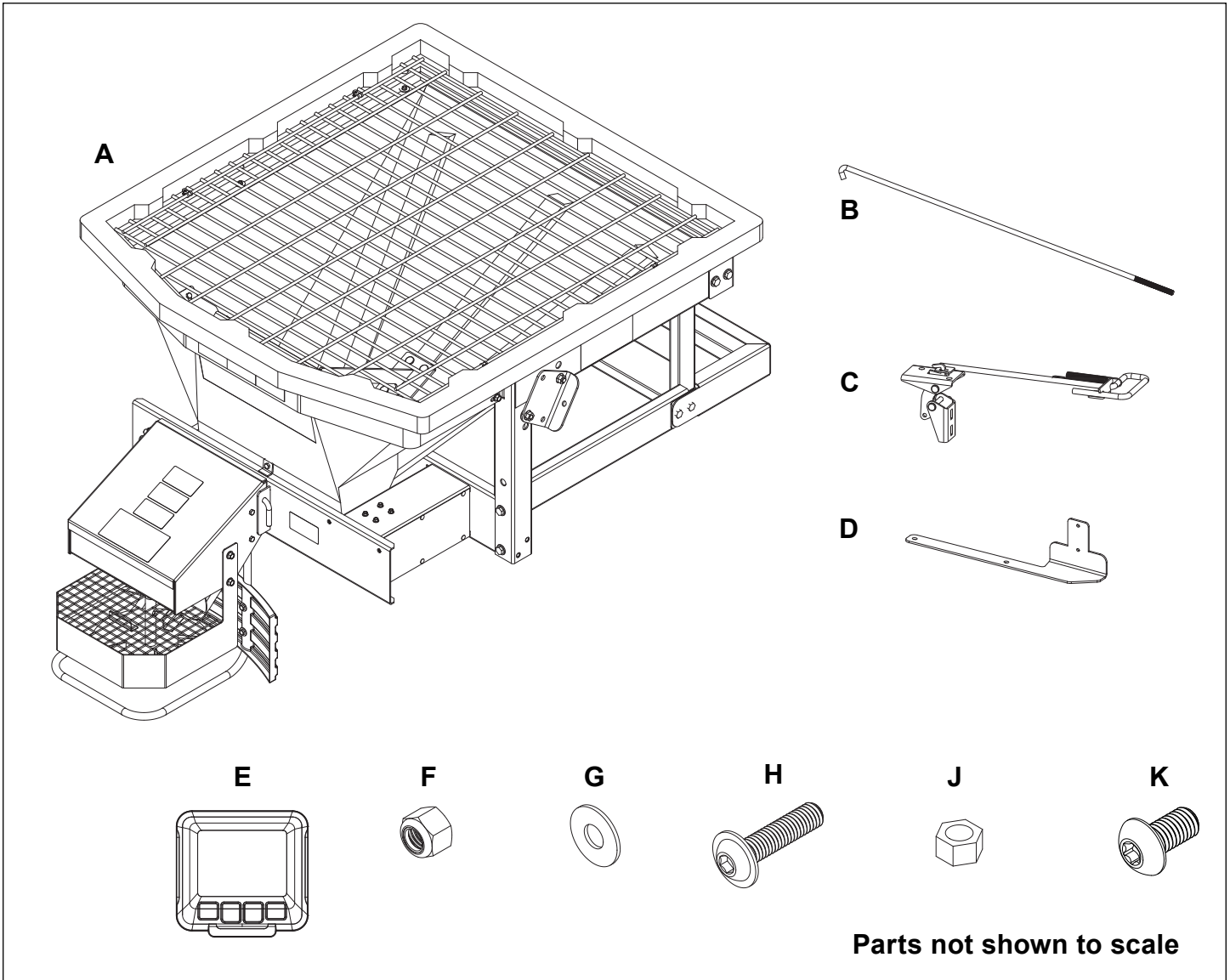
- Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include pesticides, herbicides and fungicides.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, 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



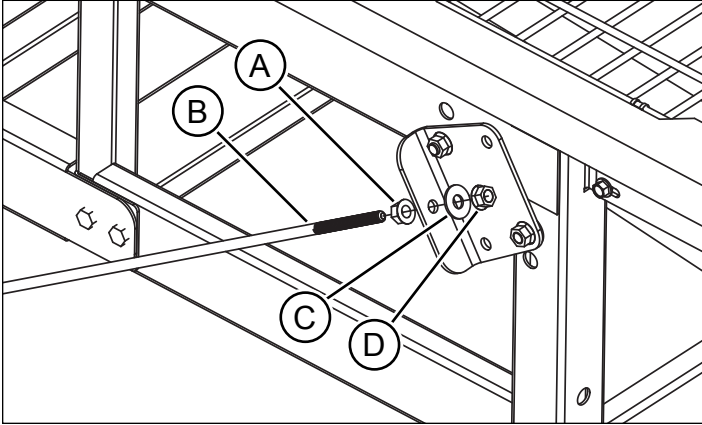
Description	Letter	Qty
Spreader	A	1
Tie Down Rod	B	2
Bed Latch Kit	C	1
Display Mounting Bracket	D	1
3.5" Color Display	E	1
1/2" Nylock Nut Stainless Steel	F	2
1/2" Washer Stainless Steel	G	4
M6 x 25 Flanged Button Head Screw	H	2
1/2" Hex Nut Stainless Steel	J	2
M5 x 10 Pan Head Screw	K	2

Description	Letter	Qty
Dash Harness	Not Shown	1
Chassis Harness	Not Shown	1
Spreader Harness	Not Shown	1
Chute Hardware Kit	Not Shown	1
Chute/Deflector Hardware Kit	Not Shown	1
Hopper Cover	Not Shown	1

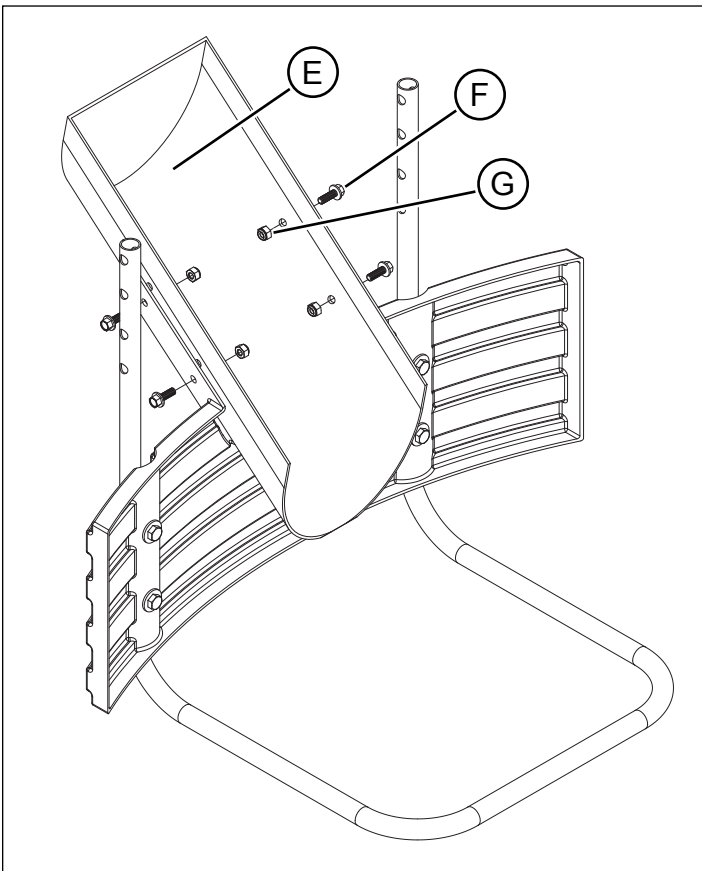
Assembly

Spreader Assembly

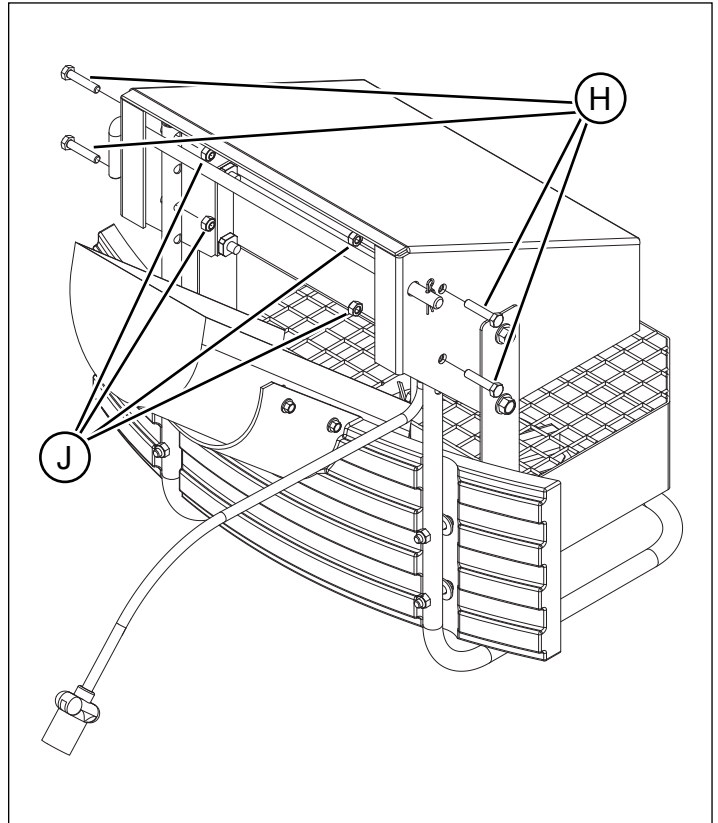
1. Thread a 1/2" hex nut (A) onto the threaded rod (B). Insert the threaded end of the rod through the bracket and add a 1/2" washer (C) and 1/2" nylock nut (D). Hand tighten the nylock nut.



2. Bolt the chute (E) to the deflector shield using the 1/4" x 3/4" Bolt (F) and 1/4" Nylock Nut (G).



3. Mount the chute/deflector assembly to the spinner assembly with 5/16" x 1-1/2" hex bolts (H) and 5/16" Nylock nuts (J).

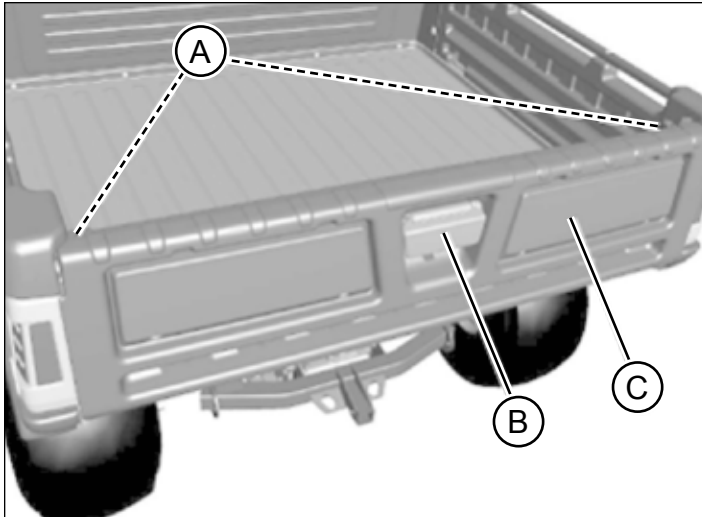


Preparing the Machine

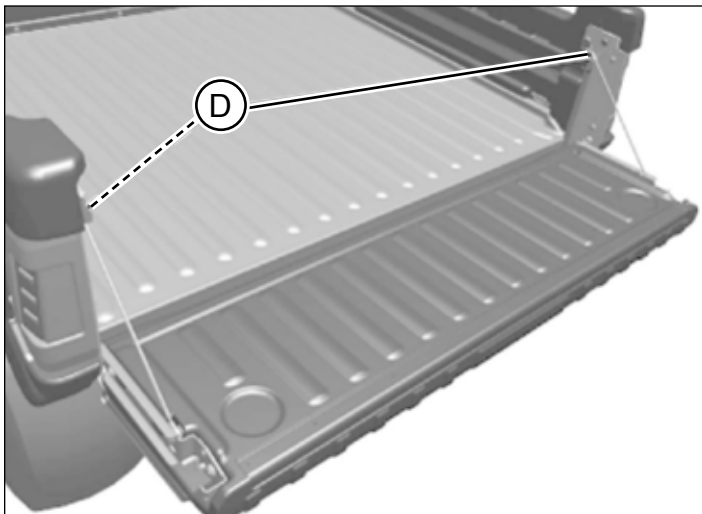
Remove the Tailgate

Note: If the vehicle is not equipped with the power lift kit for the cargo box, the left side of the cargo box will have to be removed to be able to install the cargo box latch components. See section “Install Cargo Box Latch Components” (Page 11) in the Operator’s Manual.

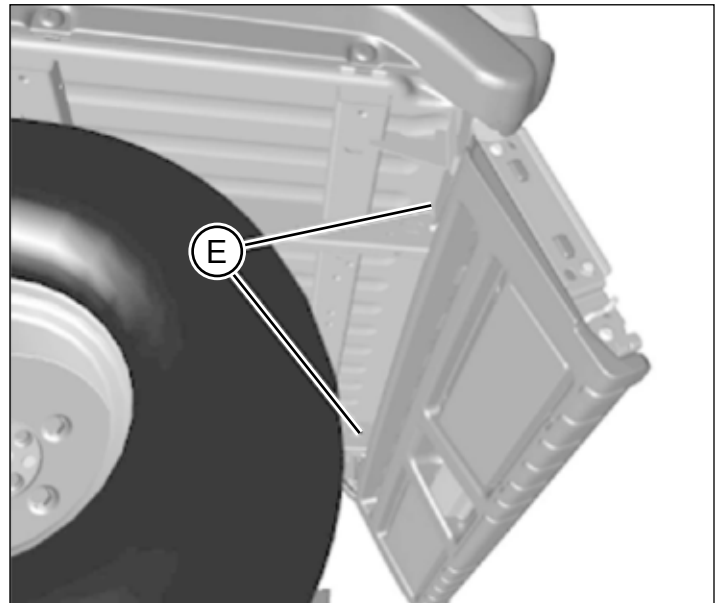
1. Check to be sure lanyards (A) are in place to support the lowered tailgate.



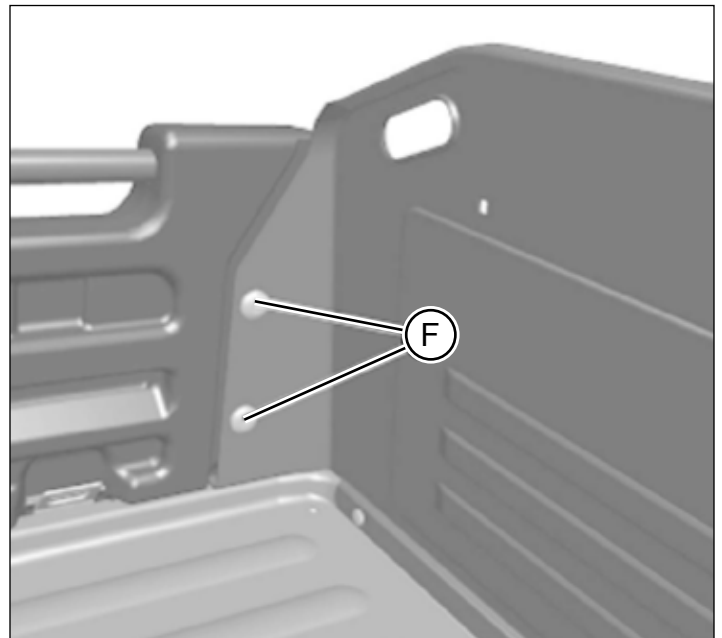
2. Pull back on the handle (B) to unlock and lower tailgate (C).
3. Loosen loop (D) on top of lanyards, disconnect from studs on the cargo box side, and lower tailgate fully downward.



4. Loosen two nuts (E) on rear of floor panel, to allow side panels to be removed.

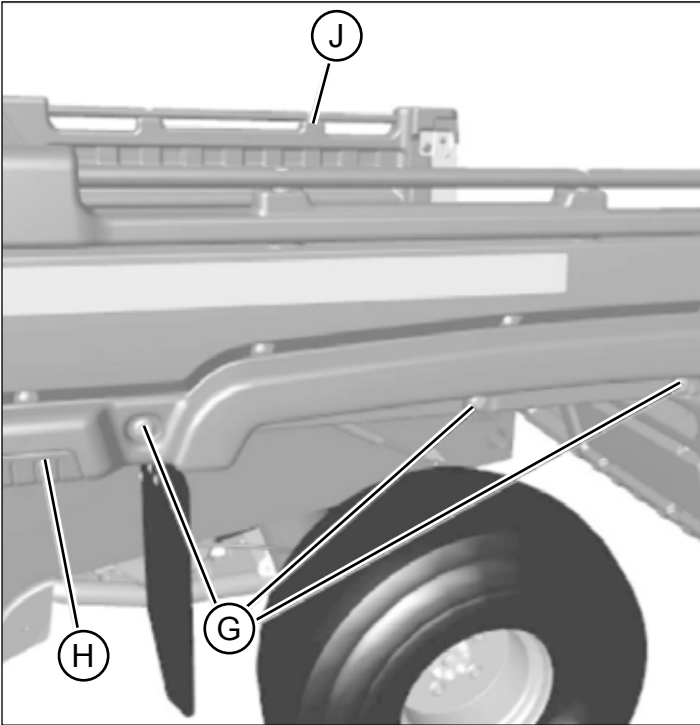


5. If equipped with taillights, disconnect the wiring harness and hang the harness in the rear of the box.
6. From behind driver’s seat in the cargo box, remove two nuts (F).



Preparing the Machine

7. Loosen three bolts (G) in the left side body panel (H). Do not completely remove bolts from clamp-on nuts.



8. Support the tailgate to avoid bushing damage. Move side body panel slightly outward and remove tailgate from left side body panel and right side body panel (J).

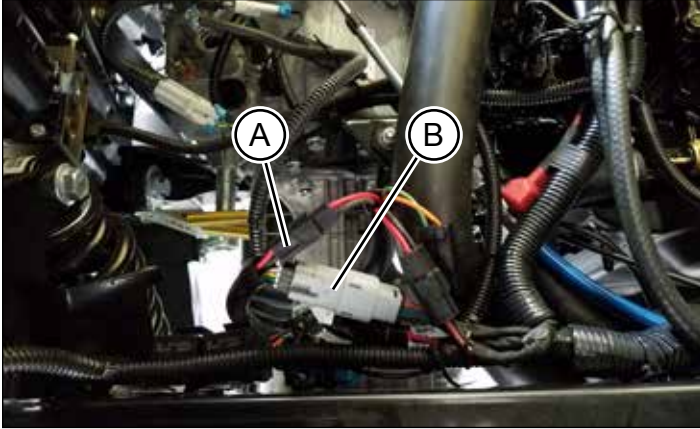
Note: If the cargo box is equipped with the Power Lift Kit, install cargo box latch components (Page 11) before proceeding.

9. Install in reverse order of removal without tailgate in place.

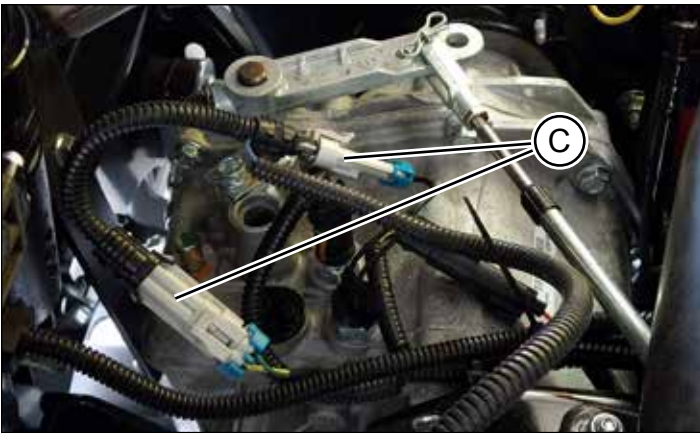
Installation

Install Chassis Harness

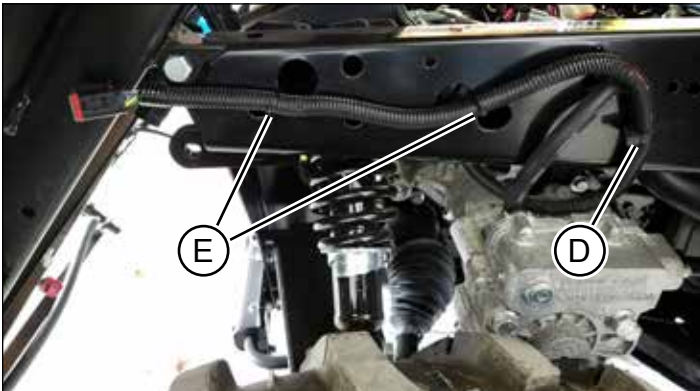
1. Raise the cargo box.
2. Attach the chassis harness to the power plug (B) and data plug (A) on the inside of the passenger side frame rail.



3. Attach the chassis harness in line with the reverse sensor plug (C) on the transmission.



4. Route the chassis harness under the frame and towards the rear of the vehicle frame. Secure the harness using the provided harness clips (D) and cable ties (E).



5. Make sure the chassis harness is clear of the rear tire, suspension, exhaust, and the pinch point of the cargo box.
6. Lower the cargo box.

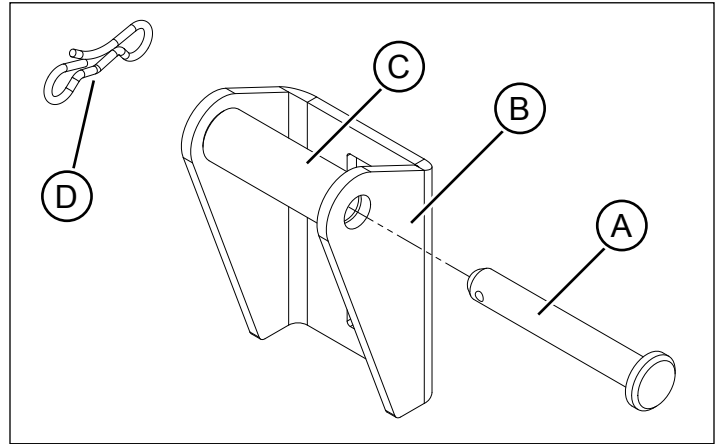
Install Cargo Box Latch Components

Note: If your Gator Utility Vehicle is equipped with the manual cargo box latch, do not install the provided manual cargo box lock as your vehicle has them already installed. Verify that the cargo box lock is working properly if they are installed.



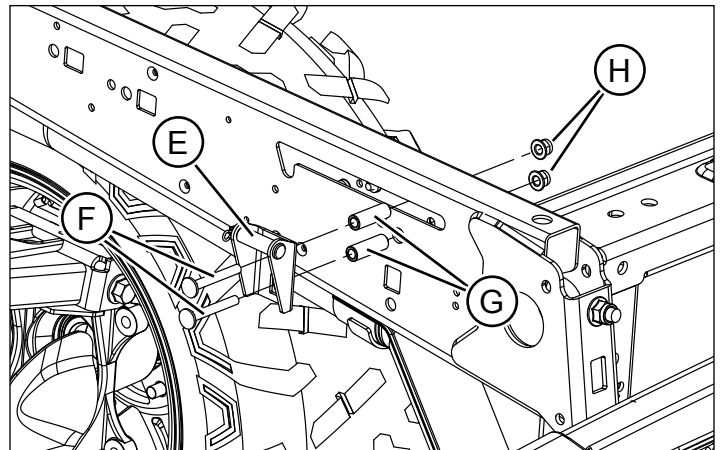
CAUTION: Do not install spreader into the cargo box without the cargo box latch. The weight of the spreader can cause the bed to open. Cargo box must be secured by the cargo box latch before installing the spreader.

1. Insert 5/16" x 2" clevis pin (A) into mounting bracket (B) and bushing (C). Secure with bowtie clip (D).



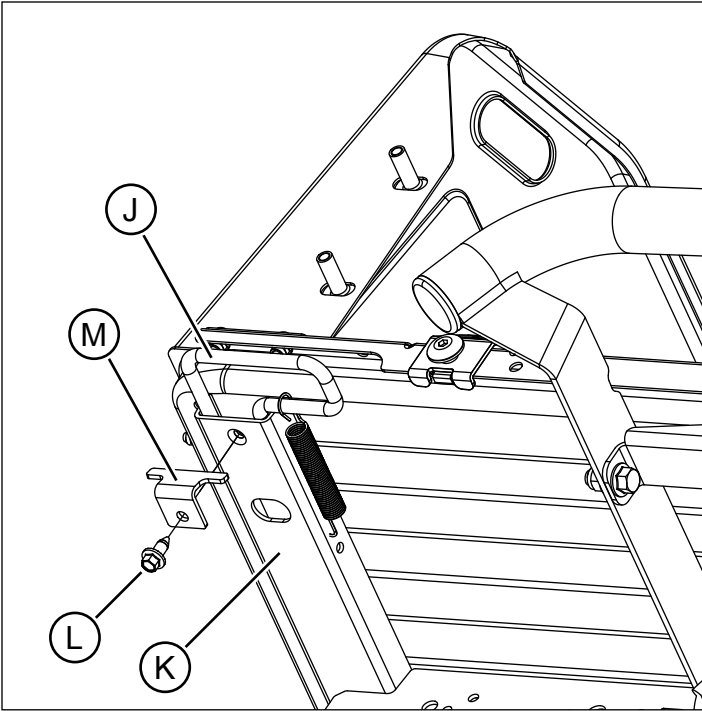
CAUTION: Never raise the cargo box with the spreader installed.

2. Raise the Cargo Box.
3. Mount bracket (E) to the left side frame rail in the position shown using M8 x 60 Carriage Bolt (F), bushing (G) and M8 Nylock Flange Nut (H).

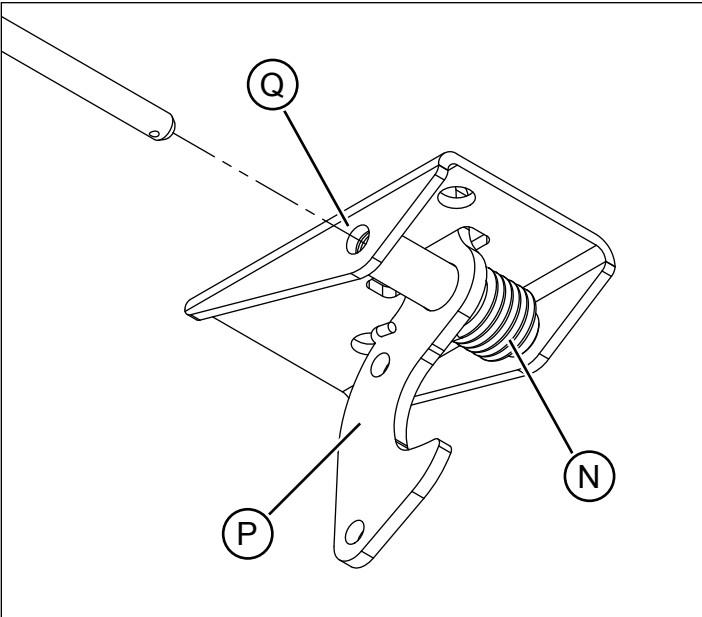


Installation

- Remove the left side of the cargo box. See vehicles operators manual for instructions to remove cargo box sides
- Insert latch handle (J) into the bed frame rail (K). Attach spring to handle and bed frame. Secure with M8 x 20 serrated flange bolt (L) and latch plate (M). Reinstall the left side of cargo bed.

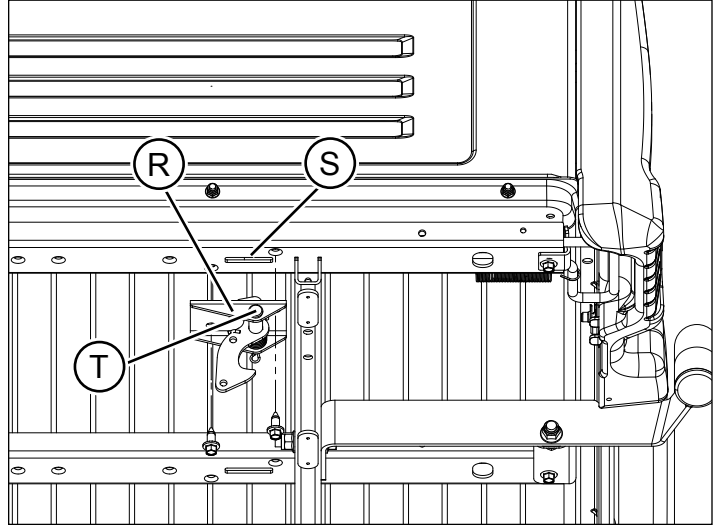


- Place spring (N) over latch (P) and insert through the bracket (Q) as shown.

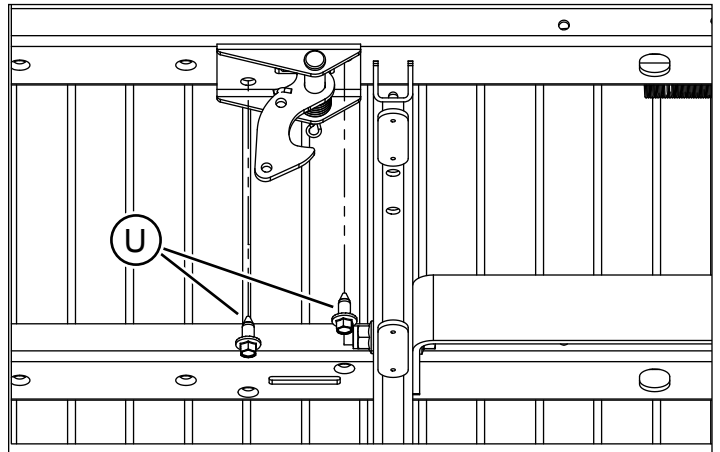


Note: Do not place the hooked portion of the spring over the latch arm.

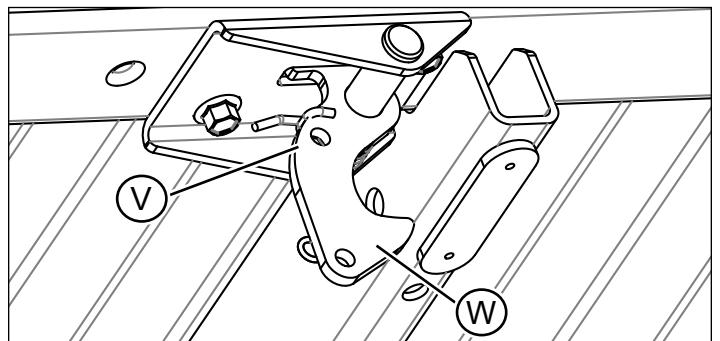
- Position the bracket and latch (R), inserting the hook into the frame rail (S) and engaging the tab on the latch handle. Insert the 5/16" x 3" clevis pin (T) through the bracket and latch and secure with bow tie clip.



- Fasten with two M8 x 20 Serrated flange bolts (U).



- Stretch spring hook (V) over latch (W).



Installation



CAUTION: Never raise the cargo box with the spreader installed.

10. Test latch.

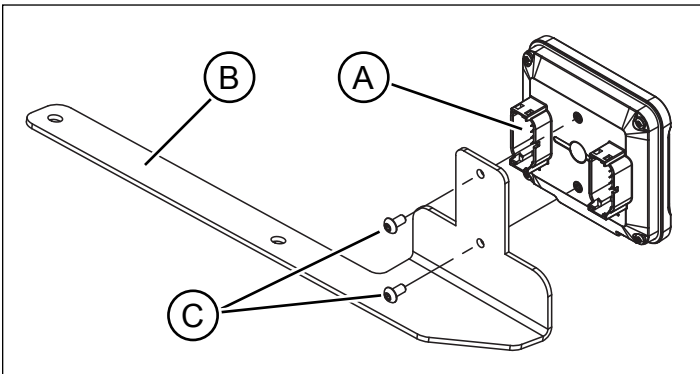
Note: If vehicle is equipped with both Power Lift and the cargo box latch, to raise the cargo box, disengage cargo box latch and raise the cargo box by pressing and holding the top of the cargo box power lift switch. Release switch when box is at desired dump height or when reaching maximum height.



IMPORTANT: Avoid Damage! A hydraulic “whine” or squealing sound when cargo box is fully raised or lowered or when box is heavily loaded indicates that the power hydraulic overload pressure relief valve has opened, and the power lift can not apply any more force. To prevent unnecessary wear or damage, keep sound to a minimum. Do not operate the power lift actuator beyond full stroke or exceed the cargo box weight capacity.

Install Display

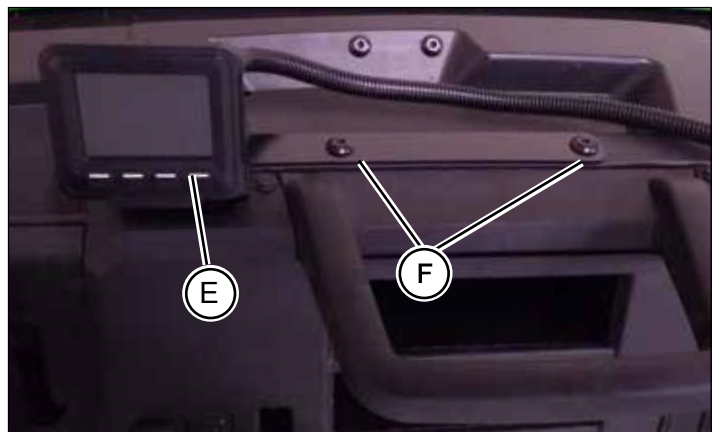
1. Mount display (A) to mounting bracket (B) using the M5 x10 pan head screws (C).



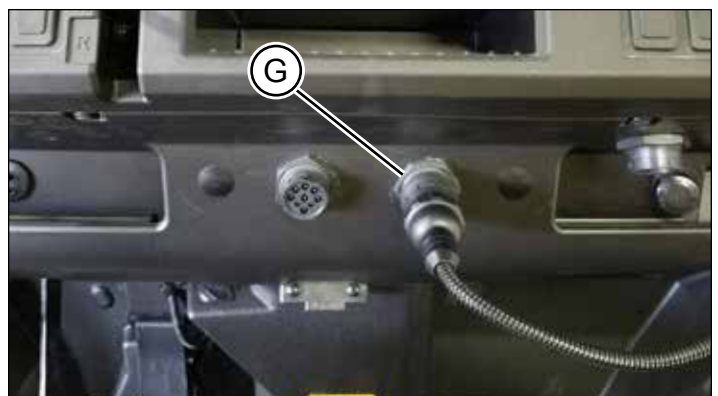
2. Remove the two M6 x 20 screws (D) from the top center of the dash.



3. Mount the display and bracket (E) with the M6 x 25 screws (F).



4. Connect the dash harness to the back of the display and the rear dash port plug (G).



Installation

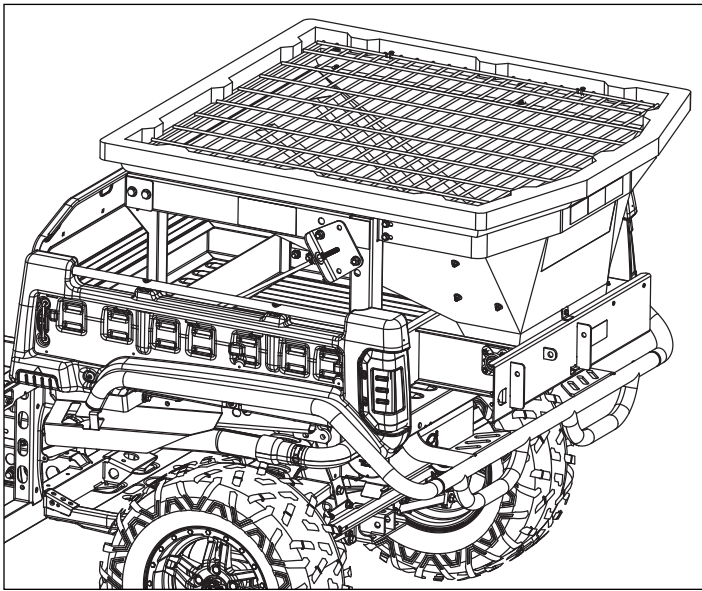
Install Spreader

Note: It is recommended to use a mechanical lifting device or a minimum of 4 people to lift spreader into the vehicle for installation.

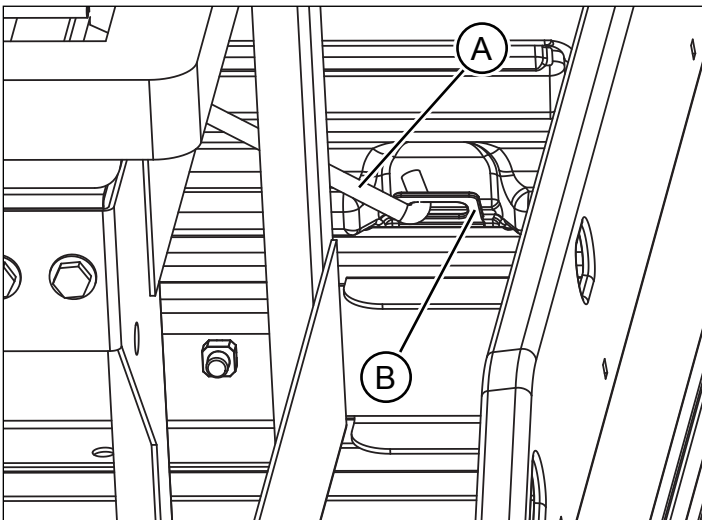


CAUTION: Do not install spreader into the cargo box without the cargo box latch. The weight of the spreader can cause the bed to open. Cargo box must be secured by the cargo box latch before installing the spreader.

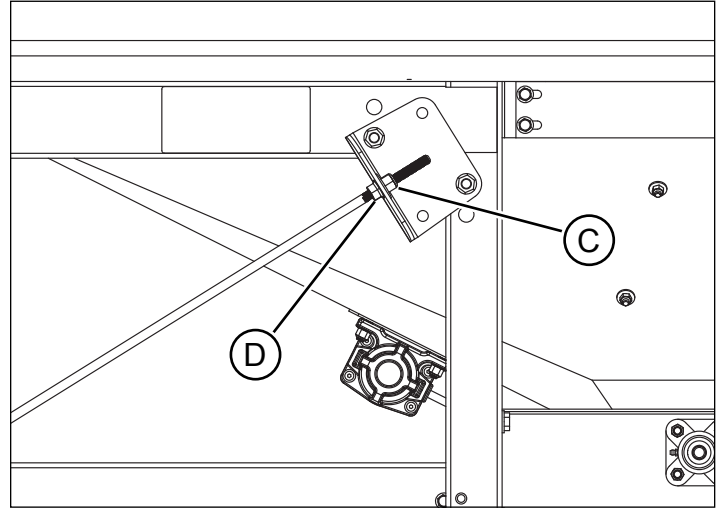
1. Lift the spreader and place it into the cargo box. Slide the spreader forward until the frame is against the front of the cargo box.



2. Secure spreader into cargo box by inserting the tie down hook (A) into the cargo box tie down (B). Repeat on opposite side.

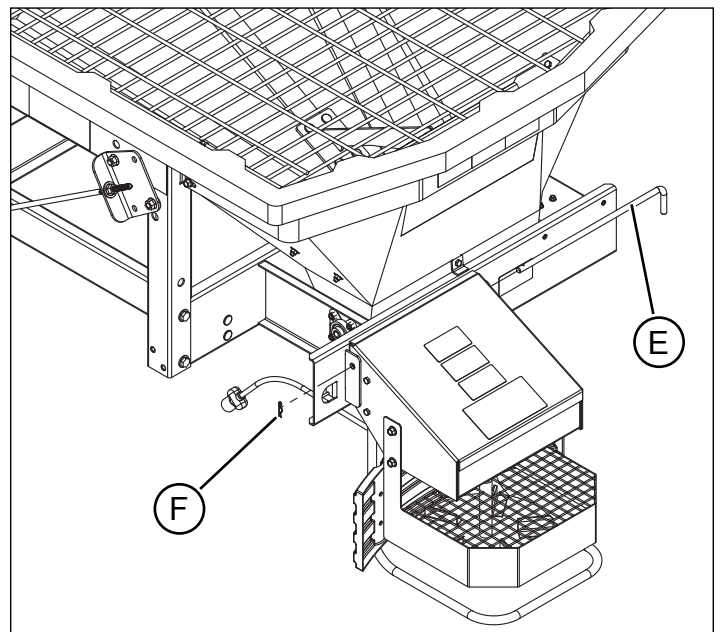


3. Tighten the tie down hook with the 1/2" nylock nut (C) to 5ft. lb. maximum.



Note: Over-tightening the tie down hook can cause damage to the cargo box and spreader.

4. Tighten hex nut against bracket (D) to prevent the rod from rotating.
5. Mount the drive assembly to the spreader with the bent pin (E) and secure with a hairpin (F). Ensure that pin passes through the tab in the center.

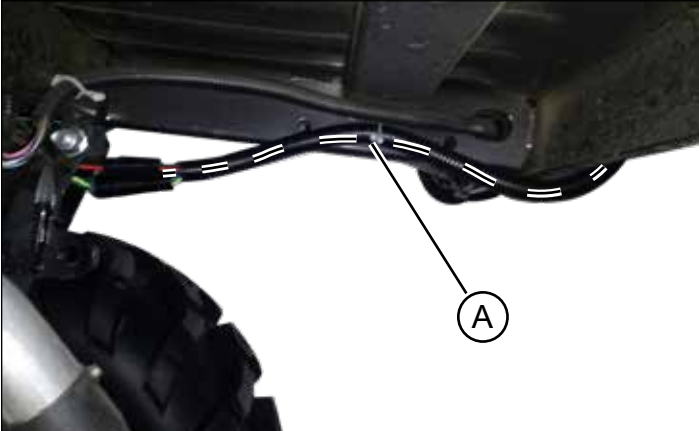


6. Plug harness into mating connector on spreader frame.

Installation

Install Spreader Harness

1. Route spreader harness to the underside of the cargo box.
2. Insert the wire harness clip (A) into the cargo box frame as shown.



3. Plug the spreader harness into the chassis harness. Secure the harness to the underside of the cargo box using the wire harness clip.

Operation

Determine Vehicle Load Capacity

Use the vehicle's Operator's Manual to determine vehicle load capacity.



CAUTION: Avoid Injury! Overloading the vehicle causes loss of control and causes serious injury or death.

- Do not allow the Gross Vehicle Weight (GVW) to exceed the Gross Vehicle Weight Rating (GVWR) of the vehicle.
- Remove excess weight before operating vehicle.

Note: Optional equipment and attachments that are not standard equipment reduce your cargo box capacity; so they must be included when determining gross vehicle weight.

Use Correct Tires and Inflation

See specification section of this operators manual for spreader weight.



CAUTION: Help prevent severe bodily injury or death, failure to observe the recommendations in the vehicle operator's manual may result in loss of stability and operator control.

See tire descriptions and inflation pressures for load conditions in the specifications section of the vehicles operator's manual.

Spreader Components

Hopper	10 cu. ft. capacity, high density polypropylene molded hopper
Auger Motor	Variable speed 12V DC gear head motor conveys material out of the hopper
Spinner Motor	Variable speed 12V DC motor drives a 12 in spinner disk to distribute material
Vibrator	Variable speed 12V DC motor drives vibrator to assist material flow to auger
Controller	Variable speed 12V DC motor driver controls the auger, spinner, and vibrator motors
Display	3.5 in color display with 4 buttons

Spreader Features

Auger Reverse/Jam Clear
Does not spread/operate in reverse
Does not spread/operate while stationary (Requires installation of BUC10316 (CAN Bridge kit))
Error Message/Diagnostics
Selectable Vibrator Modes
Variable Speed Auger
Variable Spread Width
Empty Hopper Mode

Operation

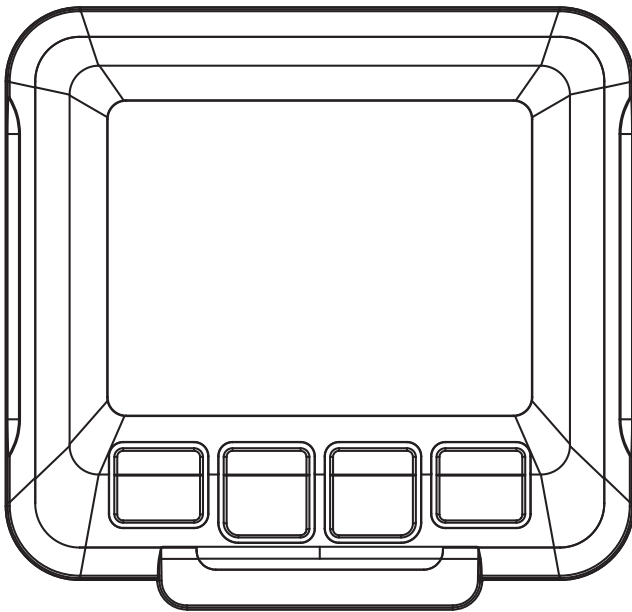
Turning On Display

The vehicle key must be in the “On” or “Run” position for the display to turn on.

When turned on, a splash screen will appear as the software loads. The operation page will appear when loading is complete. The spreader is now ready to operate.

Navigation

Control the spreader using the buttons on the display. Button functionality is described in the table below and varies by screen.



Button Functions		
	Power	Turns the spreader on/off
	Arrows	Adjusts the parameter in the direction shown
	Navigate	Moves the selected parameter to the next item
	Back	Returns to the previous page
	Menu	Enters the Menu
	Enter	Executes command

From the operation page, an operator can control the spreader, enter the menu, or navigate across the page to adjust the settings.



Default Motor Controls

Starting and Stopping Spreader	Press the power button to turn the spreader on/off.
Individual On/Off Motor Control	Press the navigate button to cycle the highlighted parameter to the motor on/off adjustment. Press the “on” or “off” button to turn on/off the selected motor.
Adjusting Motor Speed	Press the navigate button to cycle the highlighted parameter to the motor speed adjustment. Press the increase or decrease button to change the speed of the motor in 2% increments.
Adjusting Vibrator Modes	Press the navigate button to cycle the highlighted parameter to the vibrator motor mode. Press the left or right arrow button to change the mode.
Entering the Menu	Press the menu button on the operation page to enter the menu.

Note: For the first time using the spreader only, the motors will have to be turned on individually and speeds adjusted to the desired rate. Settings will be saved on shut down and restored on start up.

Operation

Main Menu

Pressing the menu button will enter the main menu.



Once in the main menu, the user can select the following:

Spreader Control	Return to operation page
Maintenance	Displays maintenance menu with options to reverse auger or empty hopper
Diagnostics	Review the fault list
Settings	Adjust the parameters of the spreader and display
Support	Displays support information
Controller Info	Displays controller information
Display Info	Displays system information
Exit	Returns to Spreader page

Maintenance Menu

Selecting maintenance from the main menu will enter the maintenance menu.

From the maintenance menu, the user can perform the following:

- Reverse Auger
- Empty Hopper

Reverse Auger

The reverse auger feature allows users reverse the auger in case of a jam.



To Activate the reverse auger feature:

1. Enter the reverse auger page.
2. Press start. The auger will reverse slowly then stop.
3. If the auger needs to be reversed further, press start again and wait the reverse cycle to complete.
4. Press the back button to return to the maintenance menu.

Empty Hopper

The empty hopper feature allows users to remove material from the hopper for clean out purposes.



To activate the empty hopper feature:

1. Disconnect the electric plug to the spinner assembly.
2. Remove the spinner assembly.
3. Place container under the auger to collect the material.

Operation

4. Press start to begin emptying the hopper.
5. Press stop at any time.

Settings Menu

Selecting settings from the main menu will enter the settings menu.

From the settings menu, the user can select the following:

- Spreader Mode (only visible if vehicle is equipped with BUC10316 CAN Bridge Kit)
- Back Light Level
- Time/Date
- Exit

Spreader Mode

Note: This feature is only available with vehicles equipped with BUC10316 CAN Bridge Kit.



The default spreader mode is manual mode which requires the user to control the spreader on/off.

Auto mode will turn off the material auger automatically when the vehicle comes to a stop. The auger will turn back on when the vehicles starts moving again. The spinner will remain on while the vehicle is stopped, and the spreader is on.

On the operation page, the selected spreader mode will be displayed in the top right-hand corner.

To change the spreader mode:

1. Enter the settings menu and select Spreader Mode.

Note: If the Spreader Mode is not visible, make sure that your vehicle is equipped with the BUC10316 CAN Bridge Kit.

2. Press enter to select the desired mode.



Display Screen Messages

During operation a message may appears describing a potential issue or problem.

Electrical Overload	A motor is drawing too much current. Spreader will shut down, display an error message and prompt the operator to reset the spreader.
Motor Disconnected	Controller lost connection to the motor.
Auger Jam	Hopper auger is jammed and needs to be cleared.
Spinner Jam	The spinner disk is jammed and needs to be cleared.
Vibrator Malfunction	The vibrator s disconnected or has malfunctioned.
Connect Attachment	This message is displayed when there is loss of communication with the motor controller. Ensure that all harnesses are installed correctly and connectors are fully seated. Insure that the status light on the motor controller is green.

Operation

Spreading

Note: Always use the hopper cover to prevent moisture buildup. Do not let spreader sit idle with material in the hopper for an extended period of time. This can cause material to compact, reduce or stop the flow of material and cause permanent hopper and drive mechanism damage.



CAUTION: DO NOT leave unused material in hopper. Material can freeze or solidify, causing unit to not work properly. Empty and clean after each use.



CAUTION: Disconnect electric before servicing or performing maintenance.

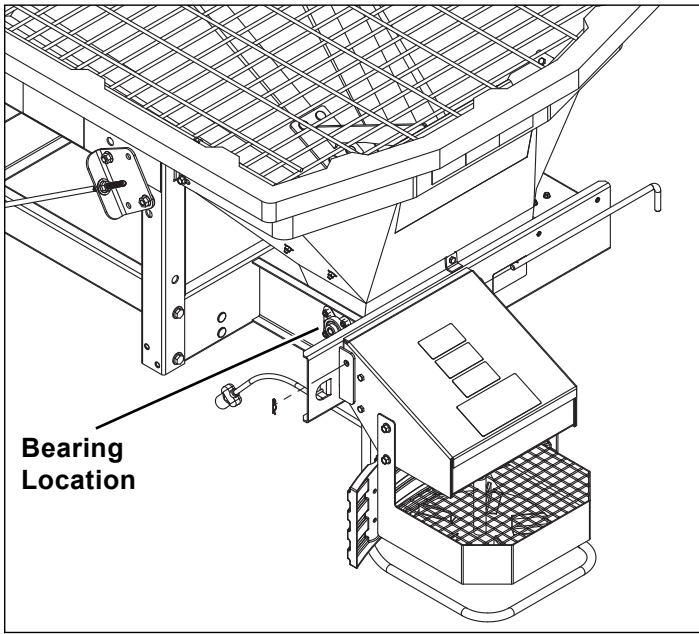
- For a wider spread width, increase spinner speed.
- For a heavier material application, drive slower or increase auger speed.
- Never operate spreader near pedestrians.

Maintenance

Routine Maintenance

To keep your spreader running smoothly, follow the following recommendations.

- Lubricate bearings after every 20 hours of use.



- Wash out the hopper and rinse off all external surfaces after use.
- Apply dielectric grease on all electrical connections to prevent corrosion at the end of the season and each time the electrical connections are unplugged.
- Clear any material away from the motor controller.
- Inspect electrical connections for debris and clean before connecting.

Removal and Storage

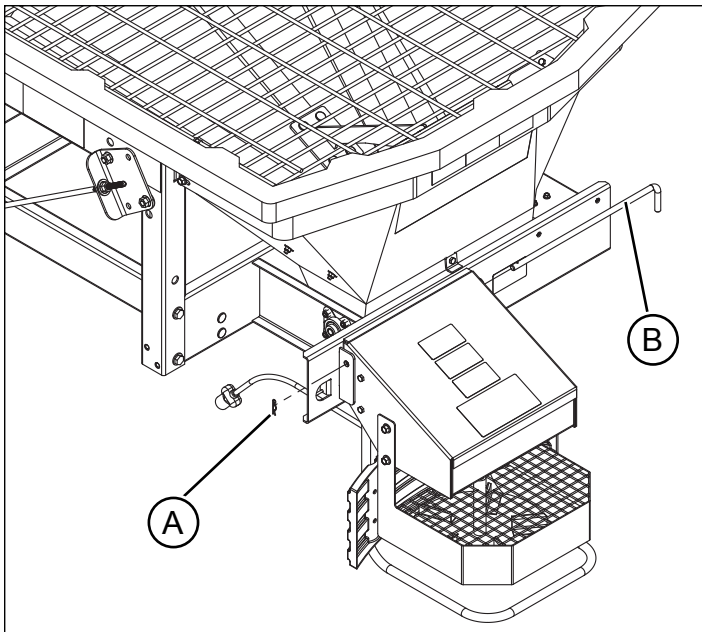
Removal



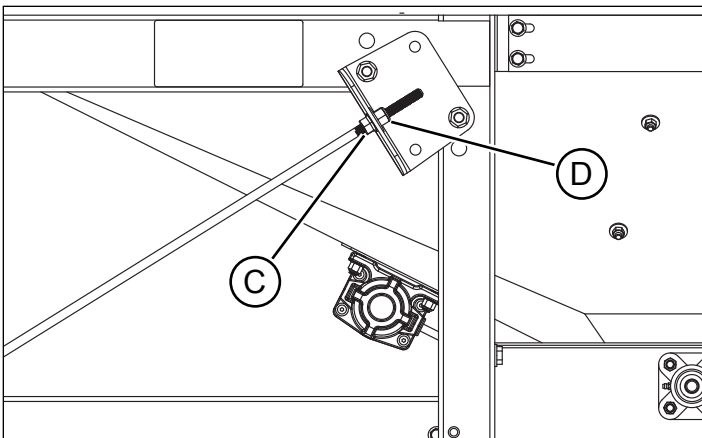
CAUTION: Disconnect electric and/or hydraulic power and tag out if required before servicing or performing maintenance.

Note: Remove all material from hopper prior to removing spreader from vehicle

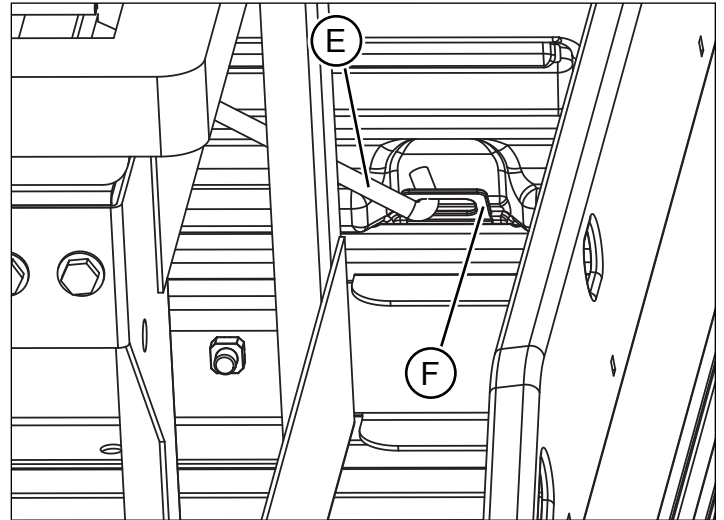
1. Disconnect spreader wire harness from chassis harness.
2. Unclip the spreader harness from the bottom of the cargo box and loop the harness around spreader frame.
3. Unplug spinner drive assembly. Remove hairpin clip (A), slide out bent pin (B) and remove drive assembly.



4. Loosen 1/2" hex nut (C) on the tie hooks.



5. Loosen 1/2" nylock nut (D) to allow hook to disengage from cargo box tie down.
6. Disengage hook (E) from the cargo box tie down (F)



Lift spreader out of cargo box.

Note: It is recommended to use a mechanical lifting device or a minimum of 4 people to lift the spreader out of vehicle cargo box for removal and storage.

Storage

1. Wash Spreader and allow to dry.
2. Apply dielectric grease on all the electrical connections to prevent corrosion.
3. Cover spreader and store.

Troubleshooting

Symptom	Additional Information	Spreader Function	Check or Test
Display does not turn on	No text or backlight on display	No functions	<p>1. Ensure connectors are fully seated.</p> <p>2. Remove front wire harness. Check for 12V at Pins A-J at Rear Connection Attachment point.</p> <p>If no voltage, vehicle has insufficient power or ground connection.</p> <ul style="list-style-type: none"> • If 12V, check for 12V at pins 1-2 on display side of connector • If no voltage, replace wire harness • If 12V, display is faulty. Replace display
“Connect attachment” is displayed on screen	No power to rear Controller	All outputs disabled	<p>Check for 12V at controller pins M1-M4 if no voltage check.</p> <ul style="list-style-type: none"> • Fuse on Gator Harness • Chassis harness connection • Spreader harness connection
“Connect attachment” is displayed on screen	No CAN communication between controller and display	All outputs disabled	<ul style="list-style-type: none"> • Display Harness connection • Spreader Harness connection • Check continuity from controller pin A2 to Spreader Harness pin 3 • Check continuity from controller pin C2 to Spreader Harness pin 4

Troubleshooting

Symptom	Additional Information	Spreader Function	Check or Test
REVERSE gear does NOT disable spreading	<p>“REVERSE” shown on the screen</p> <p>Backup lights are working</p>	Spreader disabled	<ul style="list-style-type: none"> Set parking brake, turn key on (engine off), place transmission in reverse If “Reverse” is not shown on screen and/or rear backup lights are not on: Check connection at transmission sensor (do not work under bed if spreader is installed) If backup lights are on but “reverse” is not displayed: <ul style="list-style-type: none"> A. Make sure wire harness is plugged into the reverse sensor circuit (see installation instructions) B. Check for break in wire harness (check for continuity between reverse sensor pin A and controller pin H4)
Reverse message does not go away	Message does not go away after shifting out of reverse	Spreader disabled	<ul style="list-style-type: none"> Shift to neutral or drive gear Come to a complete stop and wait for the speedometer to read 0 mph Power cycle spreader
Display: “Vehicle CAN Communication error” Diagnostics: Log CAN errors		Auto mode disabled	<ul style="list-style-type: none"> Display harness connection CAN bridge error Contact John Deere dealer
Gate motor or spinner motor not operating	<ul style="list-style-type: none"> Battery power is low or insufficient Loose wire connection. Motor has failed 		<ul style="list-style-type: none"> Test the spreader motors with vehicle engine running Use volt meter to check for continuity through wire and harness Replace the motor assembly
CAN Controller Communication error	<ul style="list-style-type: none"> Controller error 	Spreader disabled	<ul style="list-style-type: none"> Spreader harness to chassis harness Status light on controller is green

Wiring Diagram

Spreader Harness

Red Wire	Battery Positive
Black Wire	Battery Negative
Blue Wire	Transmission Reverse Signal 12V
Orange Wire	Key Switch Signal 12V
Green Wire	CAN - Signal
Yellow Wire	CAN + Signal

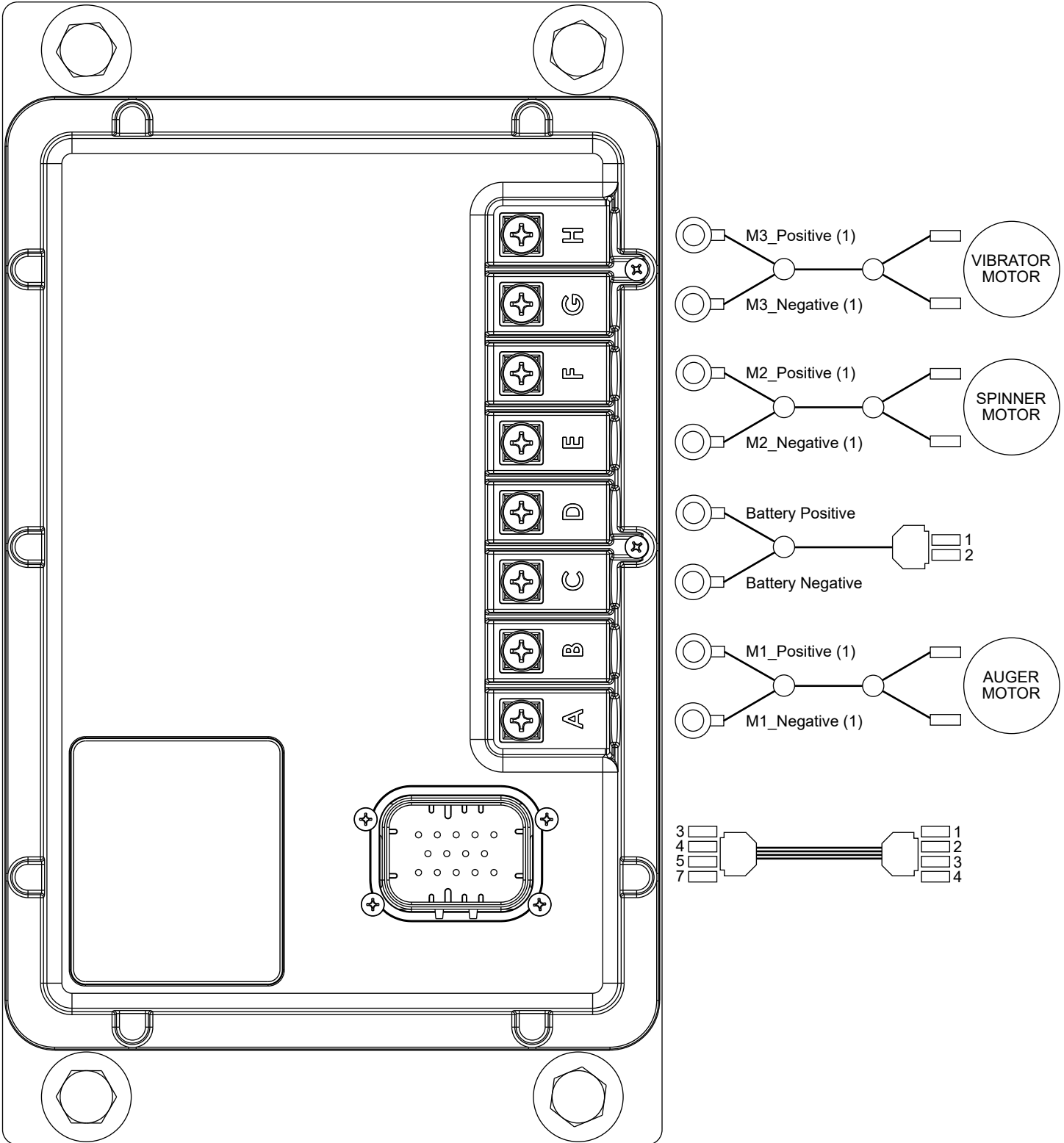
Chassis Harness

Red Wire	Battery Positive
Black Wire	Battery Negative
Blue Wire	Transmission Reverse Signal 12V
Orange Wire	Key Switch Signal 12V
Green Wire	CAN - Signal
Yellow Wire	CAN + Signal

Controller Output Terminals

A: Motor 1 Negative	Auger Motor
B: Motor 1 Positive	Auger Motor
C: Battery Negative	Battery
D: Battery Positive	Battery
E: Motor 2 Negative	Spinner Motor
F: Motor 2 Positive	Spinner Motor
G: Motor 3 Negative	Vibrator Motor
H: Motor 3 Positive	Vibrator Motor

Wiring Diagram



Specifications

Spreader

Hopper Capacity	Volume 283 L (10 cu ft)
Spread Width	30 ft (9.1 m)

Auger Motor

Type	12V Brushed DC
Current Draw	7 Amps No Load
Speed	Variable, 250 max. RPM
Ratio	30:1

Spinner Motor

Type	12V Brushed DC
Current Draw	8.5 Amps No Load
Speed	Variable, 930 max. RPM
Ratio	8:1

Vibrator Motor

Type	12V Brushed DC
Current Draw	5 Amps
Max Force	100 lbs.

Hopper Cover Material	Waterproof Nylon
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Dimensions

Length	With Spinner 72in. (Hopper Only: 60-1/2")
Width	48.5 in.
Height	41.5 in. (Hopper Only: 27")

Weight

Empty	305 lbs.
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Good 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.

Refer to your attachment and machine operator manuals.

In North America or Canada, call John Deere Special Services at 1-800-448-9282 and provide product serial number (if available) and model number.

Warranty

Limited Warranty for New John Deere Licensed Products

Agri-Fab spreaders are guaranteed to be free from defects in material and workmanship from the date of purchase for 1 year residential use, 6 months commercial use, provided that the purchaser properly assembles, installs, uses and maintains the products in accordance with this manual.

Purchaser's failure to adhere to such requirements will void the warranty. To the extent permitted by applicable law, all other warranties, representations, obligations and conditions, expressed or implied, including but not limited to implied warranties of merchantability, fitness for any particular purpose and non-infringement, are hereby disclaimed and excluded.

Any product which does not meet warranty shall, as purchaser's sole and exclusive remedy, be repaired or replaced by Agri-Fab. This warranty is non-transferable.

In addition, our warranty does not cover:

- Labor charges
- Loss or consequential, incidental or special damages of any kind.

This product was manufactured by Agri-Fab, Inc, a John Deere Licensee. If you have any questions or concerns with the assembly, installation, or operation of this attachment, see your local John Deere dealer or call Agri-Fab at 1-800-448-9282 for assistance.

