



JOHN DEERE

OPERATOR'S MANUAL

3 cu. ft Salt Spreader
X700 Click N' Go Model

LP67403
Supplier ST50969
04/05/22
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 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 the John Deere Customer Contact Center at 1-800-448-9282 for assistance.

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

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Product Identification

Product Compatibility

John Deere X700 series tractors with Click N' Go brackets.

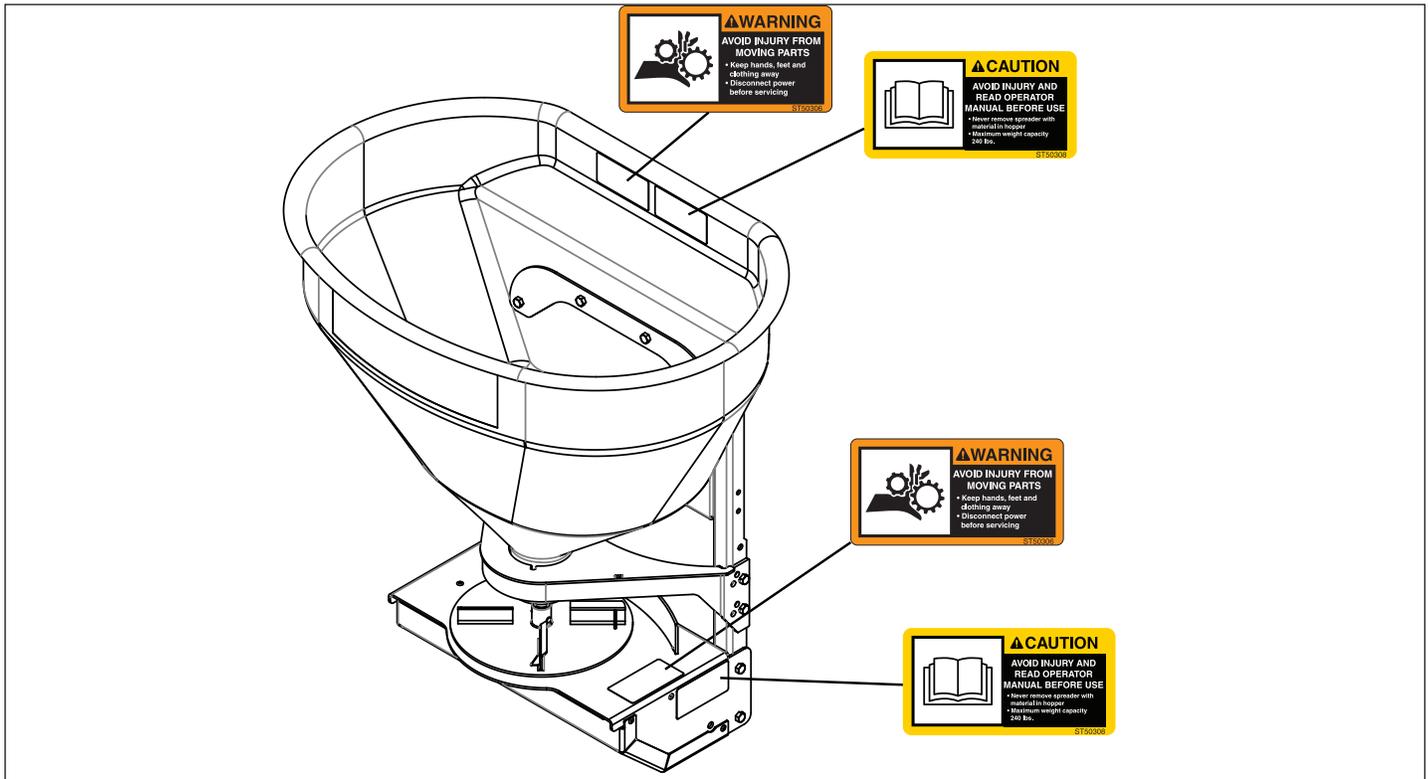
Original instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication.

The right is reserved to make changes at any time without notice.

Safety Labels

Safety Labels

Safety Label Location



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 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.

Warning

Avoid Injury From Moving Parts



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

Safety Labels

Caution

Avoid Injury and Read Operator Manual Before Use



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

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 sidewalk and 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 if recommended in adjustment procedure.
- Look behind machine before you back up. Back up carefully.
- 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.

Operating Safely

- Disengage any power to the attachment when the machine is transported or not in use.
- 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.

Parking Safety

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

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.

Safety

- Release hydraulic pressure by lowering attachment or cutting units to the ground or to a mechanical stop and move hydraulic control levers.

Practice Safe Maintenance

- 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.
- Do not put large clumps of material into the hopper. Never reach in to the hopper without disconnecting the power first. If a blockage occurs, follow the proper procedure in the Preventing and Clearing Blockages section of this manual.
- When lifting bagged material, use proper lifting technique. Lift the load using your leg muscles not your back. Do not lift bulky or heavy loads alone. Lift as a team.

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.

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.

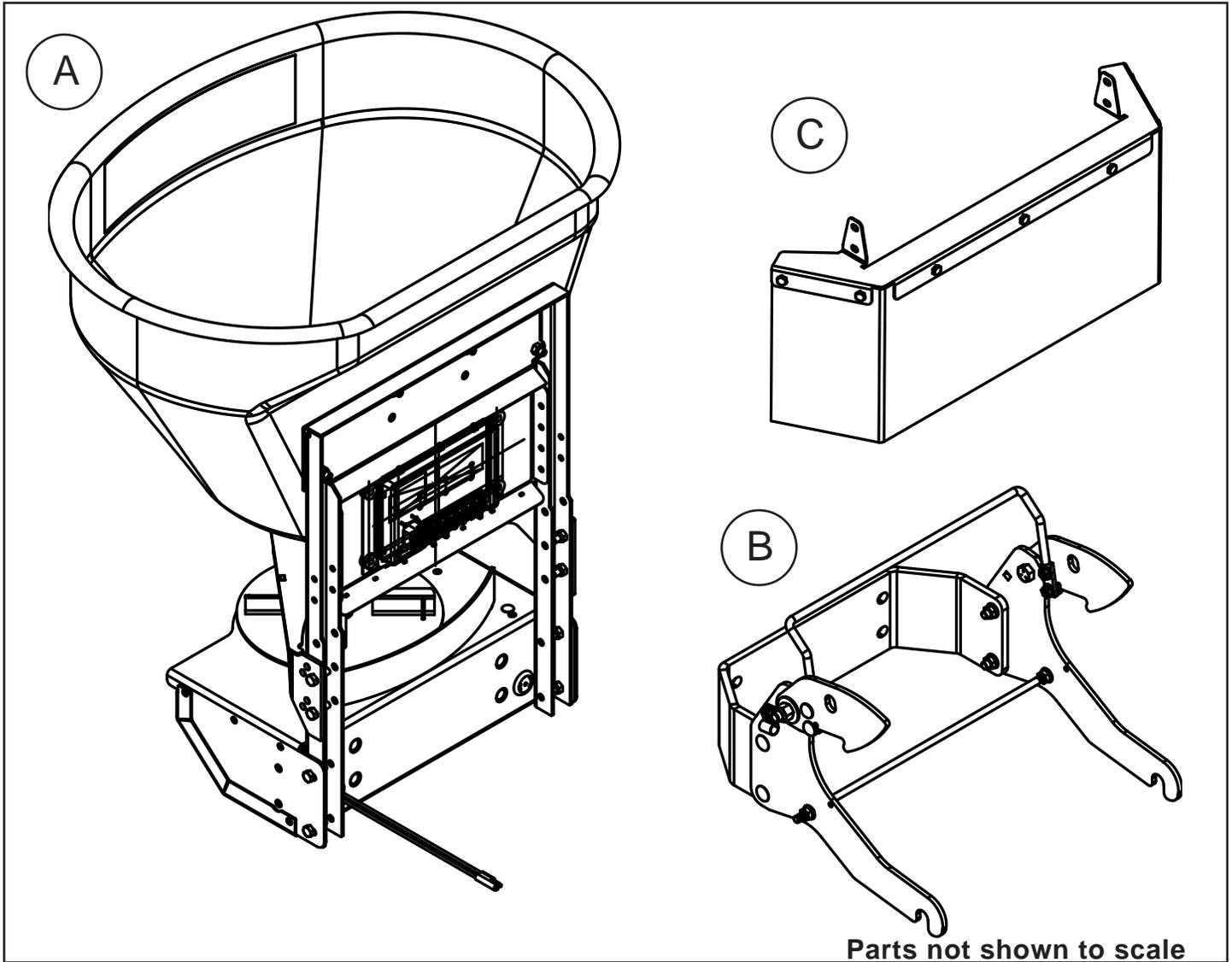
Handling Waste Product and Chemicals

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

Description	Letter	Qty
Spreader Assembly with Controller	A	1
Hitch Mount	B	1
Spreader Shield	C	1
Bolts, 1/2 in. x 1-1/2 in. Hex Flange	Not Shown	4
Hopper Cover	Not Shown	1

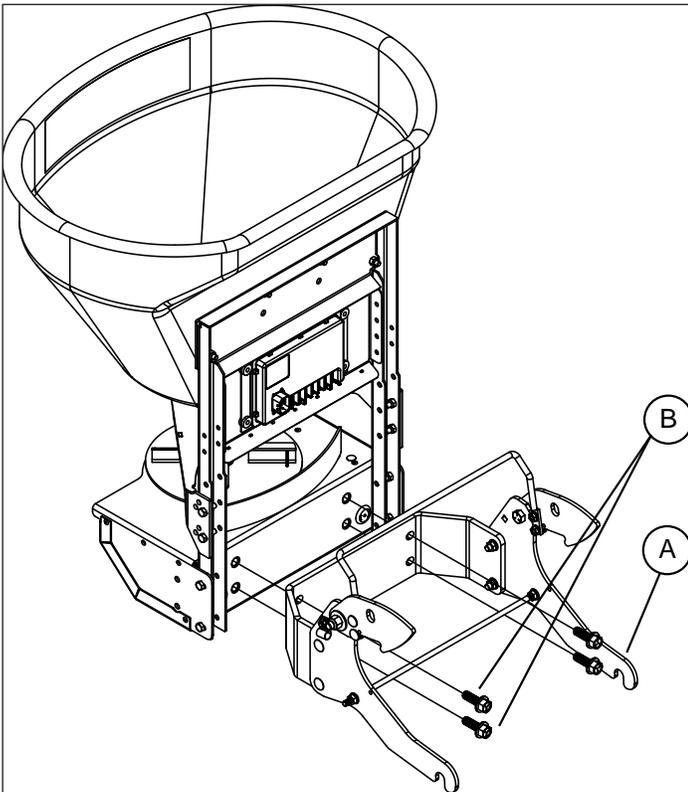
Wiring Kit

Description	Qty
Display	1
Display Harness	1
Power Harness	1
Display Bracket	1
Display Mounting Spade	1
Screws, M5 x 8mm	2
Washers, M5	2
Screws, 5/16 in. x 1/2 in. Truss Head	2
Nuts, 5/16" Flange	2
Bolts, 1/4 in. x 5/8 in. Hex Flange	4
Nuts, 1/4 in. Nylock	4
Grommet, 3/4 in. OD x 1/2 in. ID	1

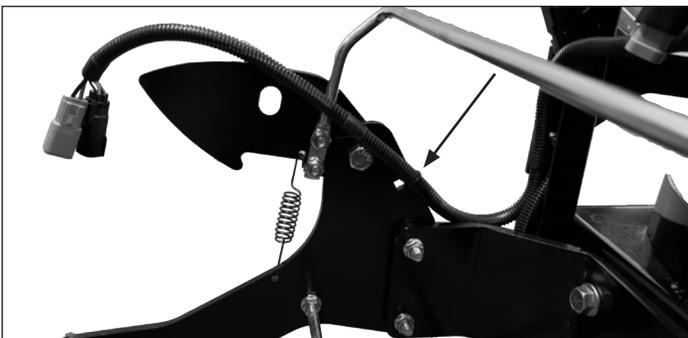
Assembly

Assembly

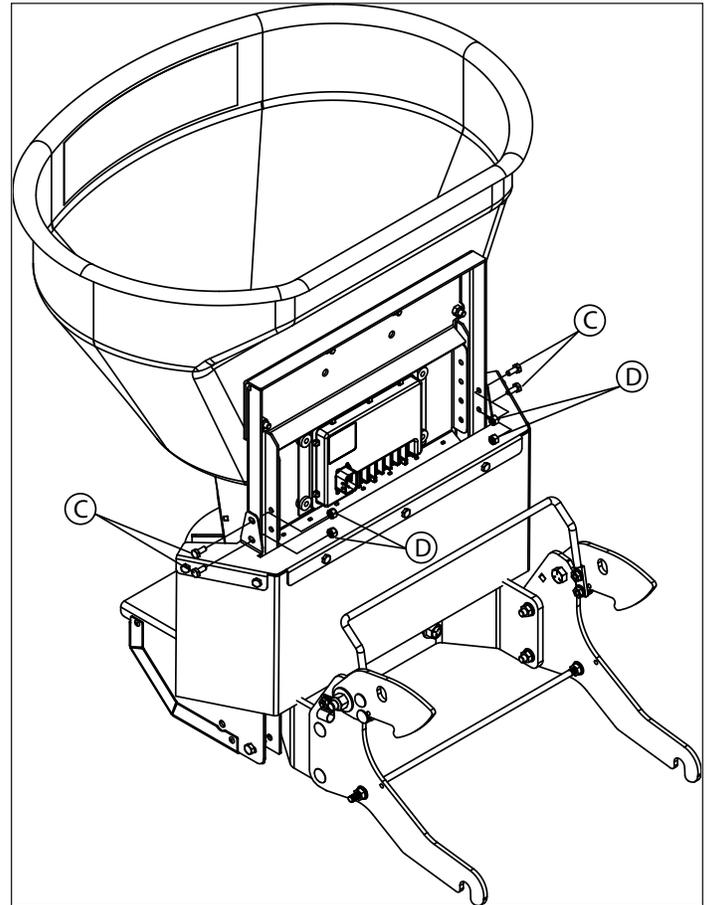
1. Connect the hitch mount (A) to the spreader using four 1/2 in. x 1-1/2 in. flange bolts (B).



2. Route spreader harness down the frame along side the motor harness then under the release bar on the hitch and secure to square hole in hitch mount with wire tie



3. Attach spreader shield to spreader using four 1/4 in. x 5/8 in. hex bolts (C) and four 1/4 in. nylock nuts (D).



Installation

Installing

Prepare Machine

Install Ballast

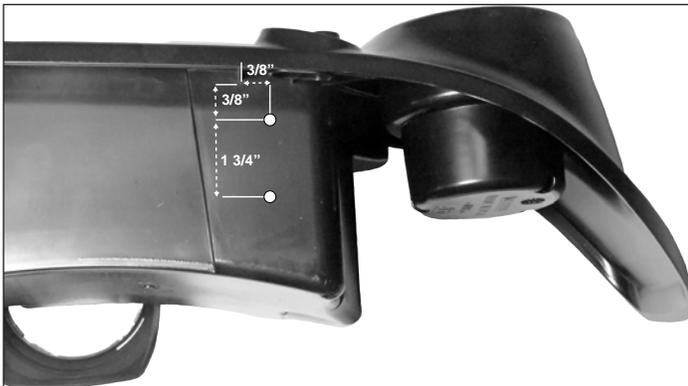
If no front attachment is installed on tractor, ballast is required to stabilize machine. X700 Series tractors require four front suitcase weights, 18Kg (40 lbs) each.

Install Display and Wiring

1. Remove the toolbox by removing two (2) M10 Nuts (A) from the toolbox and two (2) M13 Nuts from the handle. Disconnect the vehicle wire harness from the 12V Aux outlet.

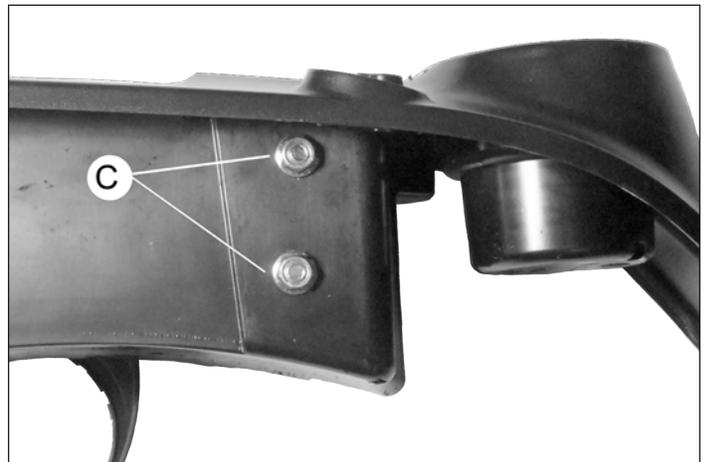
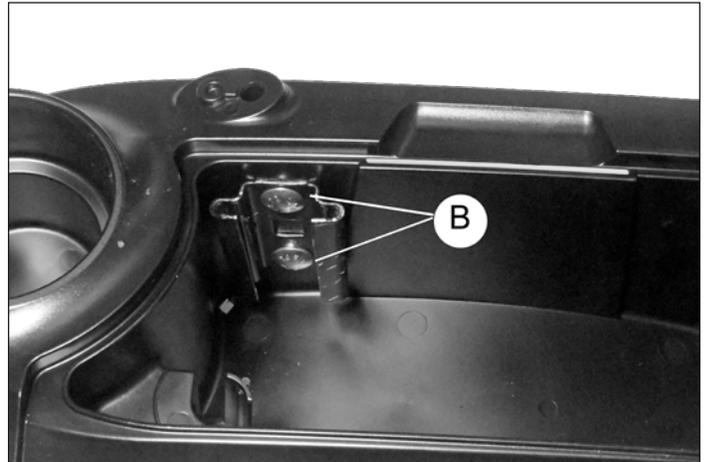


2. Locate the left support rib on the underside of the toolbox flange. Mark the top hole 3/8 in. to the right and 3/8 in. down. The bottom hole is 1-3/4 in. below the top hole. Drill a 7/16 in. hole at both locations.



3. Install the spade mount on the inside of the toolbox using two 5/16 in. truss head screws (B) and two 5/16 in. flange nuts (C).

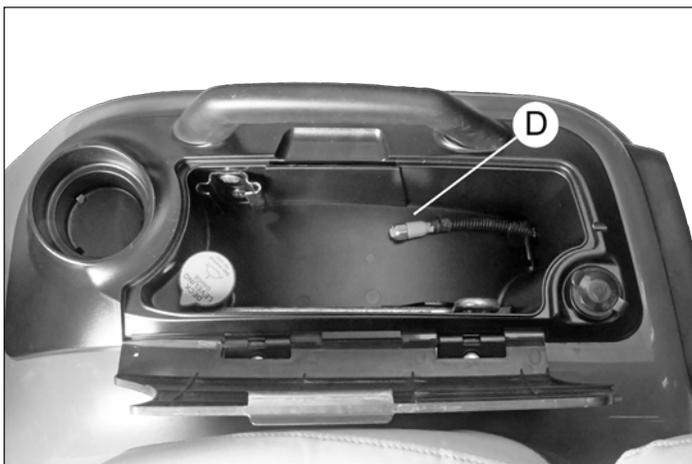
NOTE: Orient the mount with the wider opening facing up.



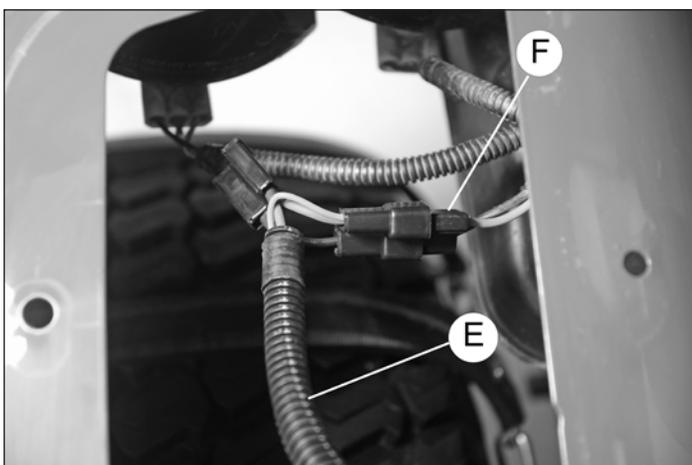
4. Starting at the lower right corner on the rear of the toolbox, measure up 1/2 in. to 3/4 in. and left 1/2 in. to 3/4 in. and drill a 3/4 in. hole.



5. Install grommet over circular connector on the power harness (D) and feed harness through the hole in the rear of the tool box seating the grommet in the hole.

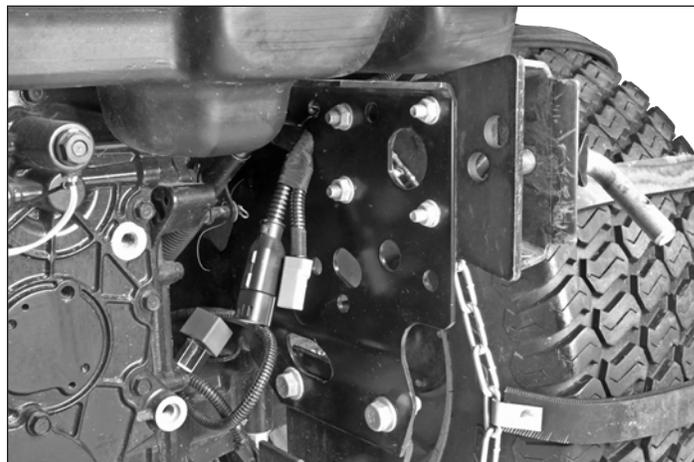
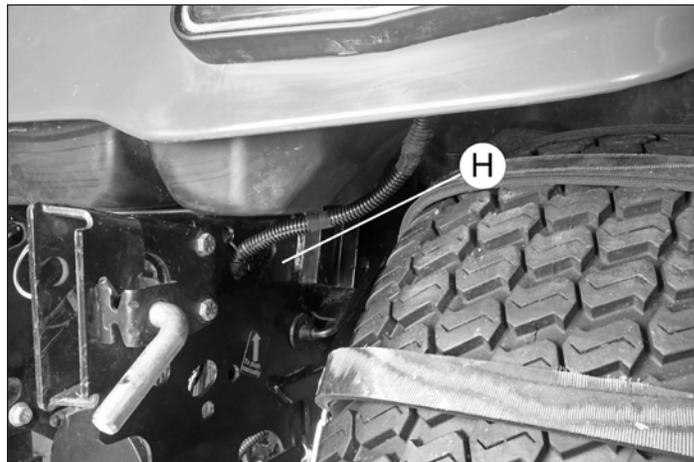


6. Install the power harness (E) in between the vehicle wire harness (F) and 12V Aux outlet (G). Ensure that the connectors are fully seated.



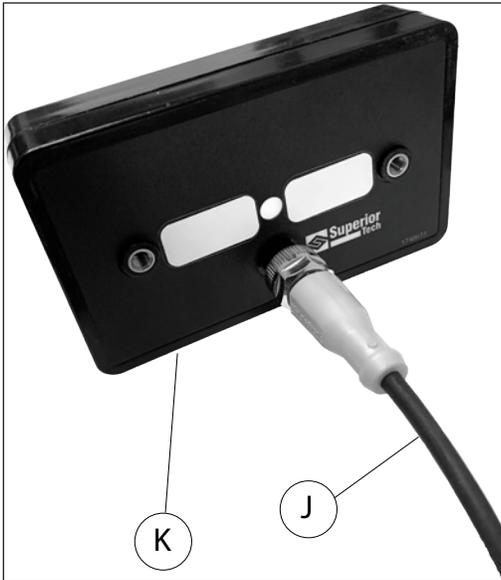
7. Reinstall the toolbox and tighten the M10 nuts on toolbox and the M13 nuts on the handle. Route the two connectors on the free end of the power harness through the elliptical hole in the frame (H) and secure

with a wire tie through a nearby hole. Remove any slack in the harness by pulling on the circular connector in the toolbox.



8. Attach the display harness (J) to the connector on the rear of the display (K).

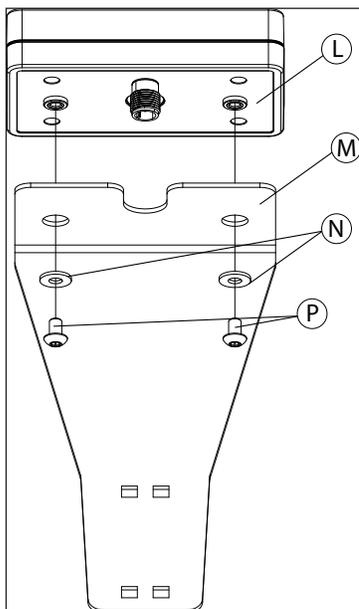
NOTE: Hand tighten the connector coupling nut to 0.5-1.0 ft-lb. Be careful not to cross thread the nut on the plastic threads. Do not twist the overmolded portion of the connector, only twist the metal coupling nut or damage may occur to the display connector pins.



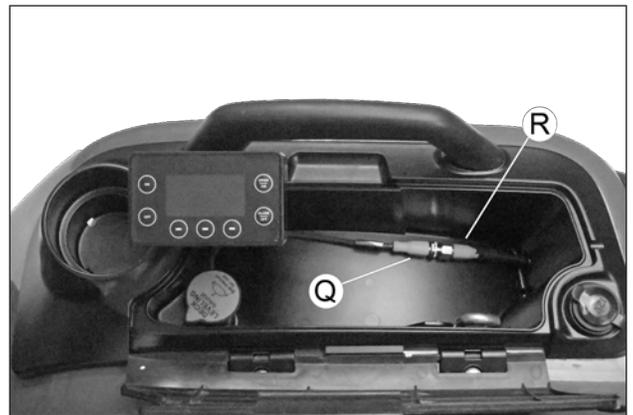
9. Install the Display (L) to the Mounting Bracket (M) using two M5 x 8 pan head screw (N) and two M5 washers (P).

NOTE: Tighten the screws to 4-5 ft-lb. Do not over tighten or damage may occur to the threaded inserts and plastic housing.

10. Secure the Display Harness to the Mounting Bracket with a wire tie through the holes on either side of the harness.



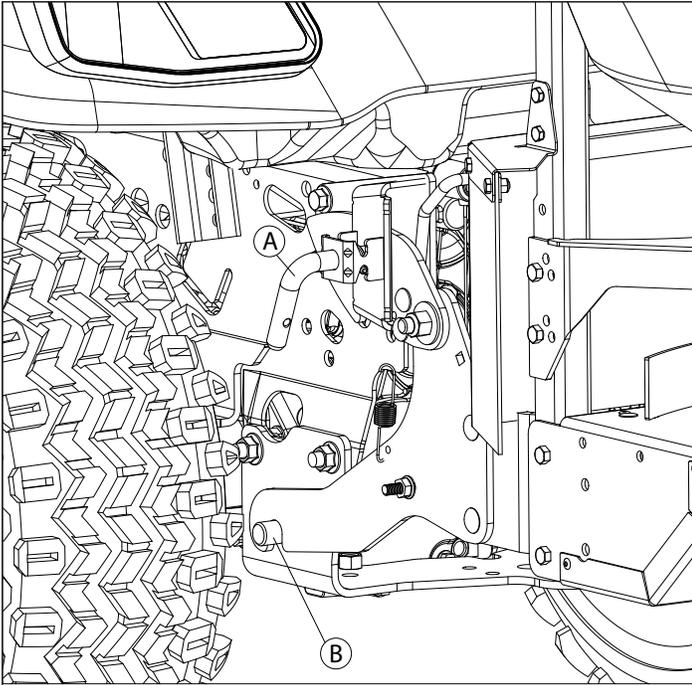
11. Mount the Display by sliding the Mounting Bracket into the toolbox mount and pressing down firmly. Attach the display harness (Q) to the power harness (R).



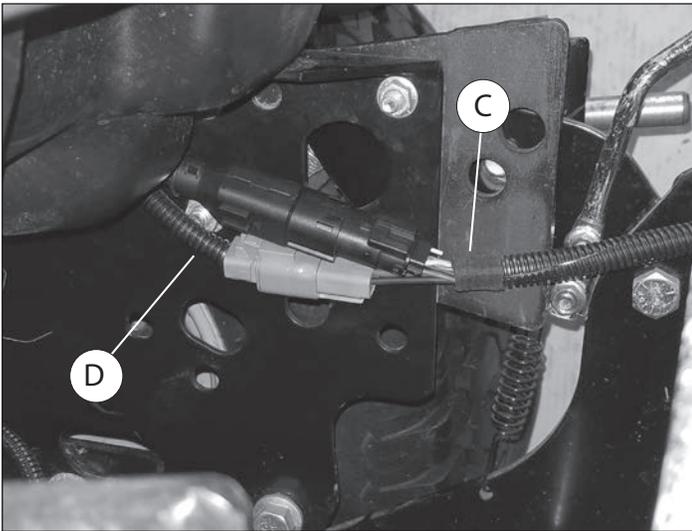
Install Spreader

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

1. With pins (A) locked out, lean spreader back and place lower mount slots over studs (B)
2. Lift the rear of the spreader until it clicks into position. Release pins (A) verify full pin engagement for proper securement.



3. Connect Spreader Harness (C) to Power Harness (D).



Operation

Spreader Components

Hopper	3 cu. ft. capacity, high density, polypropylene molded hopper.
Spinner Motor	Variable speed 12V DC motor drives a 12in spinner disk to distribute material.
Controller	12V DC motor driver controls the spinner, and motor.
Display	2.42in monochrome OLED display with 7 buttons.

Spreader Features

Variable speed spinner for spread width control.
Spreader Shield.
Detailed error/diagnostic messages

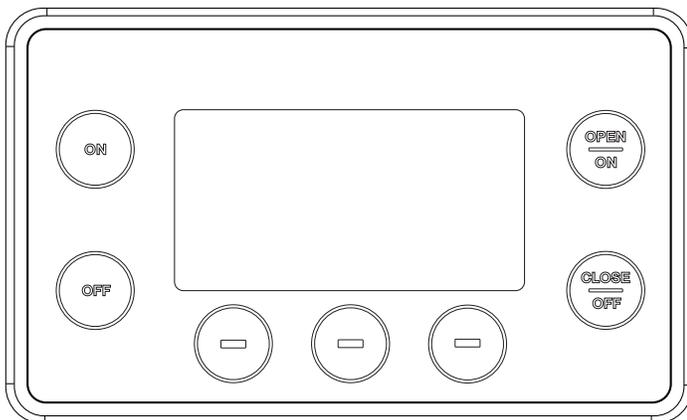
Turning On Spreader

The vehicle key must be in the “On” or “Run” position and the 12V accessory port switch turned “On” for the display to turn on.

When turning 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.

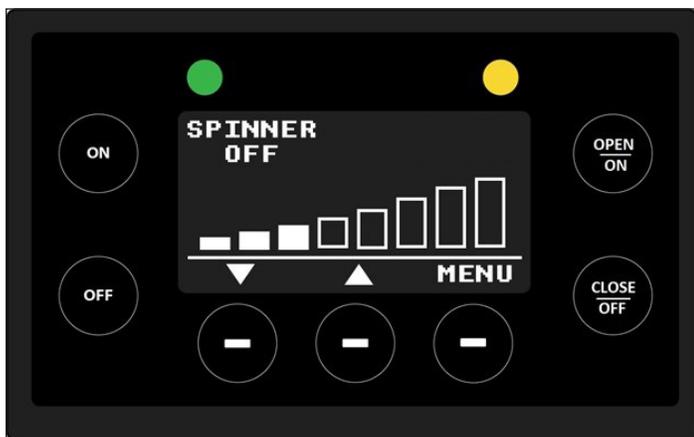
Display Navigation

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



Button #	Button Functions		
	1	ON	Spinner/Auger On
2	OFF	Spinner/Auger Off	Press the “OFF” button to turn off the spinner.
3	OPEN/ON	Gate Open/ Vibe ON	N/A
4	CLOSE/OFF	Gate Close/Vibe OFF	N/A
5		Down Arrow	Press to decrease the speed of the spinner/auger.
6		Up Arrow	Press to increase the speed of the spinner/auger.
7	MENU	Menu Button	Press to enter the menu.

From the operation page, an operator can power on the spreader, enter the menu, or change the spinner speed.



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

Menu Options	
Diagnostics	Review the warning and fault list.
Settings	Adjusts the parameters of the display.
System	Display system's voltage and temperature.
Support	Displays support information.
Controller Info	Displays controller information.
Display Info	Displays system information.
Exit	Returns to the home page.

Starting and Stopping the Spreader	<p>Press the ON button to turn on the spinner.</p> <p>Press the OFF button to turn off the spinner.</p>
Adjusting Motor Speed	<p>Press the bottom left button (down arrow) to decrease the speed of the motor in 11% increments.</p> <p>Press the bottom mid button (up arrow) to increase the speed of the motor in 11% increments.</p>
Entering the Menu	Press the bottom right button (menu) to enter the menu.

Settings Menu

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

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

- Display, to select the brightness level
- CAN, to enable/disable the CAN terminator resistor (dealer use only).
- Exit, go back to main menu.

Main Menu

Pressing the menu button will enter the main menu.



Display Screen Messages

During operation, a message may appear describing a potential issue or problem.

Motor Over Current	A motor is drawing too much current. Spreader will shut down, display an error message, and prompt the operator to reset the spreader. The spinner disk may be jammed and needs to be cleared.
Motor Open Circuit	This message is displayed when a motor is disconnected. Ensure that all harnesses are installed correctly, and connectors are fully seated. Ensure that the status light on the motor controller is green.
Voltage High	This message is displayed when the controller is receiving a voltage higher than 16V. Please check battery voltage.
Voltage Low	This message is displayed when the controller is receiving a voltage lower than 9V. Please check battery voltage.
No Comm	This message is displayed when there is a loss of communication with the motor controller. Ensure that all harnesses are installed correctly, and connectors are fully seated. Ensure that the status light on the motor controller is green.

Using the Spreader

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 sstop the flow of material and cause permanent hopper damage.

Adjusting Material Coverage

- To adjust spread width, increase/decrease spinner speed.
- To adjust application rate, increase/decrease vehicle speed to suit desired application

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.

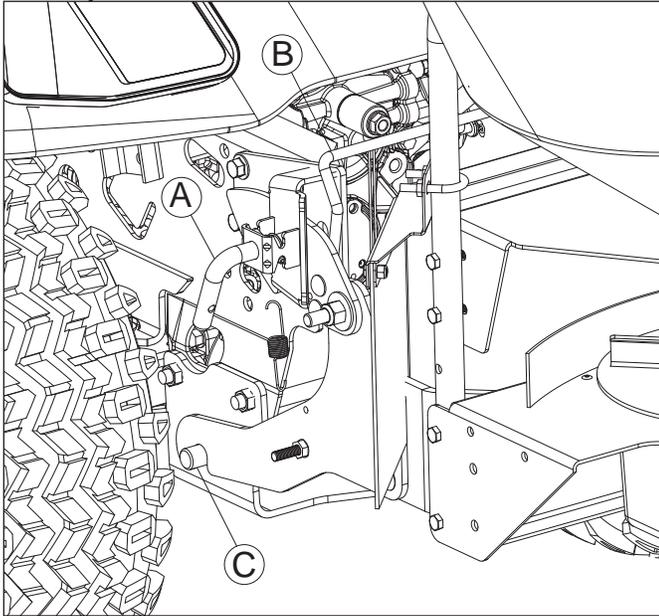
Wash unit after each use to prevent material build-up and corrosion. When pressure washing motor enclosure area, stay at least 1 m (36 in.) away from motor enclosures. Paint or oil all bare metal surfaces at the end of the season.

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

Removal and Storage

Removing Spreader

1. Disconnect the Spreader Harness from the Power Harness.
2. Move the upper pins (A) to the locked out position.
3. Lift the spreader slightly and pull back on the release bar (B) and lower the spreader to the ground.
4. Disengage lower mount slots (C) and slide spreader away from vehicle.

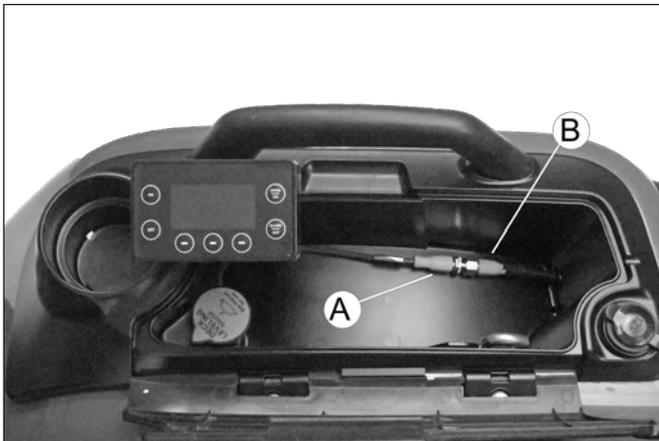


Storage

4. Wash spreader and allow to dry.
5. Apply dielectric grease on all electrical connections to prevent corrosion.
6. Cover spreader and store.

Remove Display

1. Disconnect Display Harness (A) from Power Harness (B)



2. Remove display by sliding bracket out of mount inside toolbox.
3. Store display in dry location.

Troubleshooting

The Display Module and Control Module work as a system and communicate with each other over the CAN bus. Both modules should be powered up at the same time for proper functionality.

Symptom	Troubleshooting Guide
Control Module and/or Display Module does not turn on Control Module status light is off Display Module screen is off and/or status light is off	<ol style="list-style-type: none"> 1. Ensure connections are fully seated. 2. Remove front wire harness. Check for 12v at pins A-J at rear connection attachment point. 3. If no voltage, vehicle has insufficient power or ground connection. <ul style="list-style-type: none"> • If 12V, check for 12v at pins at pins 2-3 on display side of connector. • If no voltage, replace wire harness. • If 12v, display is faulty. Replace display.
No Communications	<p>Check for 12V at controller pins M1-M4, if no voltage check:</p> <ul style="list-style-type: none"> • Fuse on vehicle • Power harness connection • Spreader harness connection.
No Communications No CAN communication between Control Module and Display Module	<ul style="list-style-type: none"> • Display Module harness connection. • Spreader harness connection. • Check continuity from Control Module pin A2 to spreader harness pin 4 • Check continuity from Control Module pin C2 to spreader harness pin 5

Display Module Error Codes

SPN	Error	Description	Troubleshooting Guide
1100	High Temperature Fault	Internal Temperature above 75C	The module will stop operating the spreader if the internal temperature rises above 75C. This is a latching fault to protect the electronics. Reduce the module's exposure to high temperatures to allow its internal temperature to fall below 75C. The module must be power cycled to recover from a high temperature fault.
1101	High Temperature Warning	Internal temperature above 65C	No action is necessary. The module will continue operating the spreader with an internal temperature between 65C and 75C but will stop operating the spreader if the internal temperature rises above 75C.
1102	Low Temperature Fault	Internal temperature below -30C	The module will stop operating the spreader if the internal temperature falls below -30C. This is a latching fault to protect the electronics. Reduce the module's exposure to low temperatures to allow its internal temperature to rise above -30C. The module must be power cycled to recover from a low temperature fault.
1103	Low Temperature Warning	Internal temperature below -20C	No action is necessary. The module will continue operating the spreader with an internal temperature between -20C and -30C but will stop operating the spreader if the internal temperature falls below -30C.

Troubleshooting

SPN	Error	Description	Troubleshooting Guide
1104	High Voltage Fault	System voltage above 19V	The module will stop operating the spreader if the system voltage rises above 19V. This is a latching fault to protect the electronics. The module must be power cycled to recover from a high voltage fault. Note that the Interface Module high voltage fault is not the same as the Control Module high voltage fault.
1105	High Voltage Warning	System voltage above 18V	No action is necessary. The module will continue operating the spreader with a system voltage between 18V and 19V but will stop operating the spreader if the system voltage rises above 19V. Note that the Interface Module high voltage warning is not the same as the Control Module high voltage warning.
1106	Low Voltage Fault	System voltage below 6.5V	The module will stop operating the spreader if the system voltage falls below 6.5V. This is a latching fault to protect the electronics. The module must be power cycled to recover from a low voltage fault. Note that the Interface Module low voltage fault is not the same as the Control Module low voltage fault.
1107	Low Voltage Warning	System voltage below 7V	No action is necessary. The module will continue operating the spreader with a system voltage between 7V and 6.5V but will stop operating the spreader if the system voltage falls below 6.5V. Note that the Interface Module low voltage warning is not the same as the Control Module low voltage warning.
1108	Lost Communication Fault	Lost CAN communication	The module will stop operating the spreader if the CAN communication with the Motor Controller is lost. Make sure all wiring harness connections are secure and all wiring is intact and undamaged. The modules must be power cycled to recover from a lost communication fault.
9999	Unknown Fault	Unknown Fault	Contact Agri-Fab for support.

Control Module Error Codes

The Control Module for the Salt Spreader contains one motor driver: MD2 controls the spinner. The errors that reference MD2 are related to the spinner.

SPN	Error	Description	Troubleshooting Guide
6200	MD2 Open Circuit	Motor Driver 2 output is disconnected	The motor driver checks if a load is connected between the positive and negative motor driver outputs before attempting to drive the motor. This is a latching fault to protect the electronics. Verify that the connections at the controller terminals are properly secured, the wiring harnesses are not damaged, and all wiring harness connectors are properly connected. Verify that the motor is not damaged. The module must be power cycled to recover from the open circuit fault.
6201	MD2 Over Current	Motor Driver 2 current draw above 15A	The motor driver will stop operating the spreader if the output current goes above 20A. This is a latching fault to protect the electronics. Verify that the motor is not damaged. A heavily loaded or jammed spinner can result in a very high current draw. Reduce the load on the spinner or clear the jam before power cycling the module to recover from the over current fault.

Troubleshooting

SPN	Error	Description	Troubleshooting Guide
6202	MD2 Short to Battery	Motor Driver 2 output shorted to battery positive	The motor driver checks if the positive or negative motor driver outputs are shorted to battery positive (12V) before attempting to drive the motor. This is a latching fault to protect the electronics. Verify that the connections at the controller terminals are not being bridged by any conductive material. Verify that the wiring harnesses are not damaged and all wiring harness connectors are properly connected.
6203	MD2 Short to Ground	Motor Driver 2 output shorted to battery negative	The motor driver checks if the positive or negative motor driver outputs are shorted to battery negative (ground or 0V) before attempting to drive the motor. This is a latching fault to protect the electronics. Verify that the connections at the controller terminals are not being bridged by any conductive material. Verify that the wiring harnesses are not damaged and all wiring harness connectors are properly connected.
6204	MD2 TLE OverTemp Fault	Motor Driver 2 internal temperature above 75C	The module will stop operating the spreader if the internal temperature rises above 75C. This is a latching fault to protect the electronics. Reduce the module's exposure to high temperatures to allow its internal temperature to fall below 75C. The module must be power cycled to recover from a high temperature fault.
6205	MD2 TLE OverTemp Warning	Motor Driver 2 internal temperature above 65C	No action is necessary. The module will continue operating the spreader with an internal temperature between 65C and 75C but will stop operating the spreader if the internal temperature rises above 75C.
6206	MD2 FET Overtemp Fault	Motor Driver 2 FET temperature above 75C	The module will stop operating the spreader if the internal temperature rises above 75C. This is a latching fault to protect the electronics. Reduce the module's exposure to high temperatures to allow its internal temperature to fall below 75C. The module must be power cycled to recover from a high temperature fault.
6207	MD2 FET Overtemp Warning	Motor Driver 2 FET temperature above 65C	No action is necessary. The module will continue operating the spreader with an internal FET temperature between 65C and 75C but will stop operating the spreader if the internal FET temperature rises above 75C.
6208	MD2 High VBAT Fault	Motor Driver 2 voltage above 18V	The module will stop operating the spreader if the system voltage rises above 18V. This is a latching fault to protect the electronics. The module must be power cycled to recover from a high voltage fault. Note that the Control Module high voltage fault is not the same as the Interface Module high voltage fault.
6209	MD2 High VBAT Warning	Motor Driver 2 voltage above 16V	No action is necessary. The module will continue operating the spreader with a system voltage between 16V and 18V but will stop operating the spreader if the system voltage rises above 18V. Note that the Control Module high voltage warning is not the same as the Interface Module high voltage warning.
6210	MD2 Low VBAT Fault	Motor Driver 2 voltage below 8V	The module will stop operating the spreader if the system voltage falls below 8V. This is a latching fault to protect the electronics. The module must be power cycled to recover from a low voltage fault. Note that the Control Module low voltage fault is not the same as the Interface Module low voltage fault.

Troubleshooting

SPN	Error	Description	Troubleshooting Guide
6211	MD2 Low VBAT Warning	Motor Driver 2 voltage below 9V	No action is necessary. The module will continue operating the spreader with a system voltage between 8V and 9V but will stop operating the spreader if the system voltage falls below 8V. Note that the Control Module low voltage warning is not the same as the Interface Module low voltage warning.
6212	MD2 No Communication	Motor Driver 2 is not responding at power up	The module will not operate if it cannot communicate with the internal motor driver at power up. Power cycle the module. If the error is still active contact Agri-Fab for support.
6213	MD2 Lost Communication	Motor Driver 2 has lost communication for 10 seconds	The module will stop operating if it loses communication with the internal motor driver for more than 10 seconds. Power cycle the module. If the error is still active contact Agri-Fab for support.
6400	Motor Driver Mismatch Version	Motor Driver 1 and Motor Driver 2 have different software versions	The module will not operate if the software loaded in the motor drivers does not match. Power cycle the module. If the error is still active contact Agri-Fab for support.
6401	Spreader Type Memory Corruption	Spreader Type stored in memory is not valid	The module will not operate if the software does not load the proper spreader type from internal memory. Power cycle the module. If the error is still active contact Agri-Fab for support.

Wiring Diagram

Spreader Harness Connections

2 pin Connector

pin 1	Battery Positive
pin 2	Battery Negative

6 pin Connector

pin 1	Switched Battery Positive
pin 2	Battery Negative
pin 3	Ignition
pin 4	CAN-
pin 5	CAN+
pin 6	No Connect

Control Module Output Terminals

A	No Connect
B	No Connect
C	Battery Negative
D	Battery Positive
E	Spinner Motor Negative
F	Spinner Motor Positive
G	No Connect
H	No Connect

Specifications

Spreader

Hopper Volume	3 cu ft (85 L)
Hopper Capacity	240 lb (109 kg)

Spinner Motor

Type	12V Brushed DC
Current Draw	8.3 Amps
Speed	Variable, 540 max. RPM
Ratio	14:1
Spread Width	Up to 25 ft (7.62 m)

Dimensions

Length	30 in (76.2 cm)
Width	30 in (76.2 cm)
Height	32 in (81.3 cm)

Weight

Empty	22 kg (50 lb.)
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Warranty

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 Agri-Fab Customer Service 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's 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.

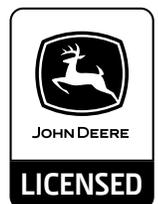
Purchaser's failure to adhere to such requirements will void the warranty. To the extent permitted by applicable law, all other warranties, representations, obligations and conditions, expressed or implied, including but not limited to implied warranties of merchantability, fitness for any particular 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 Inc. at 1-800-448-9282 for assistance.



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