



**JOHN DEERE**

**OPERATOR'S MANUAL**  
45 Gallon 3-Point Sprayer

LP208401  
3-426  
03/12/2026  
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 Agri-Fab at 800-448-9282 for assistance.

Warranty information for this John Deere attachment can be found in the warranty statement included in this manual.

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## Product Compatibility

This Category 1, Three-Point Hitch Mounted Sprayer is compatible with Compact Utility Tractors and X700 Ultimate Series Garden Tractors.

Contact your John Deere dealer for specific information on tractor compatibility.

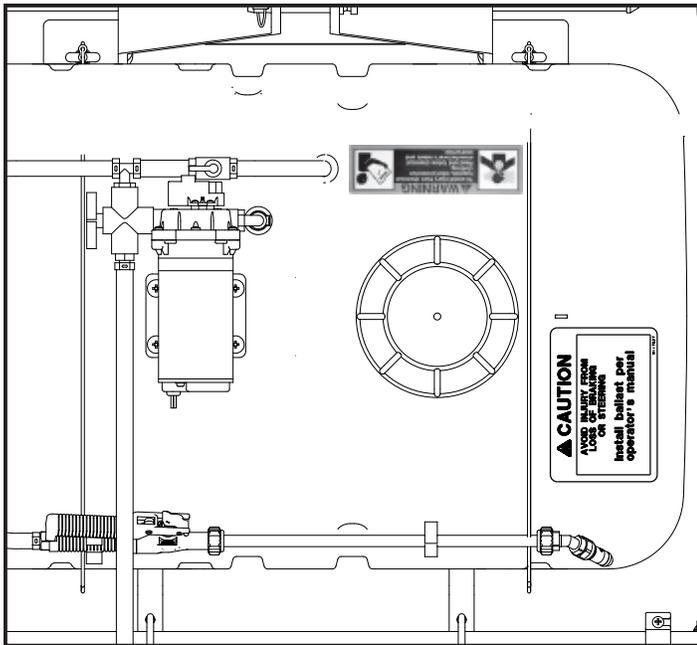
Original instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication.

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

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

# Safety Labels

## Safety Label Locations



### WARNING MT3980



- To avoid injury from chemical hazards, wear protective clothing. Read and follow chemical manufacturer's labels and instructions.

### CAUTION MT117627



- AVOID INJURY FROM LOSS OF BRAKING OR STEERING
- Install ballast per operator's manual

## 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

## 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.
- 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.
- Take all possible precautions when leaving the machine unattended. Shut off the engine before making any repairs, adjustments, or inspections. Lower the attachment, lock the parking brake, stop the engine, and remove the key.
- 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.
- Use only attachments and accessories approved by the manufacturer of this product.
- If the machine vibrates abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Always refer to the Storage section of the operator's manual for important details if storing this product for a long period of time.
- Keep people and pets out of the work area. Stop machine if anyone enters the area.
- If you hit an object, stop the machine and inspect it. Make repairs before you operate. Keep machine properly maintained and in good working order. Keep all shields and guards in place.
- Always inspect the sprayer completely before and after each use. Before pressurizing the system, check to be sure all fittings and hoses are tightly installed. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Never use the sprayer during windy conditions.
- Always release pressure in the system before filling, cleaning or servicing the sprayer.

- Do not put nozzle tip or other sprayer parts to your lips to blow out dirt. Use compressed air.
- If the sprayer is mounted to the bed of a utility vehicle, never raise the bed with the sprayer installed. Empty the sprayer and remove it from the bed if you need to raise the bed for any reason.

## Parking Safely

1. Stop vehicle on a level surface, not on a slope.
2. Lock park brake.
3. Stop engine.
4. Remove key.
5. Before you leave the operator's seat, wait for engine and all moving parts to stop.
6. Disconnect the negative battery cable or remove the spark plug wires (for gasoline engines) before servicing the machine.

## Mix and Handle Chemicals Safety

- It is best to wear full cover clothing and always wear protective goggles and rubber gloves to protect yourself while handling chemicals.
- Follow instructions on chemical container labels.
- Open all chemical containers carefully, using proper tools.
- Open, pour, weigh and mix chemicals in a well-ventilated area.
- Reserve all equipment used for the application of chemicals exclusively for that purpose.
- Prohibit all smoking, drinking and eating food in chemical-handling area.
- It is a good practice to take a soapy shower immediately after the using the sprayer to apply chemicals.
- Wash all clothing worn when using chemicals separately in the laundry after spraying is completed.

## 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.

# Safety

- 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 Safety

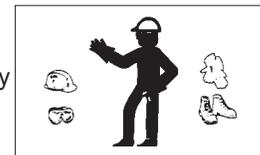
- Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include pesticides, herbicides and fungicides.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures,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

## 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



- Wear close fitting clothing and safety equipment appropriate for the job.
- Certain operating conditions may dictate that the operator and any passenger wear appropriate safety equipment while operating the vehicle. Be prepared for any existing and potential conditions before operating machine.
- Local safety or insurance regulations may require additional safety equipment such as eye protection or a hard hat.
- Always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Wear proper clothing and safety equipment while handling chemicals or using the sprayer. Refer to the MSDS for the chemicals being used to be sure the proper personal protection equipment is being used.

## Avoid High Pressure Fluids



- Hydraulic hoses and lines can fail due to physical damage, kinks, age, and exposure. Check hoses and lines regularly. Replace damaged hoses and lines.
- Hydraulic fluid connections can loosen due to physical damage and vibration. Check connections regularly. Tighten loose connections.
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.
- If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A. Information may be obtained in the United States and Canada only by calling 1-800-822-8262.

# Safety

## Dispose of Chemicals Properly

- Proper disposal of excess spray material is very important. If you have excess tank solution, it is best to dilute it with water and apply it to the area you previously treated.
- Never dump solution into a drain or near a lake or stream.
- Chemicals containers should be triple-rinsed, with the rinse water added to the sprayer tank. Do not burn empty chemical containers. Dispose of containers at recycling centers.

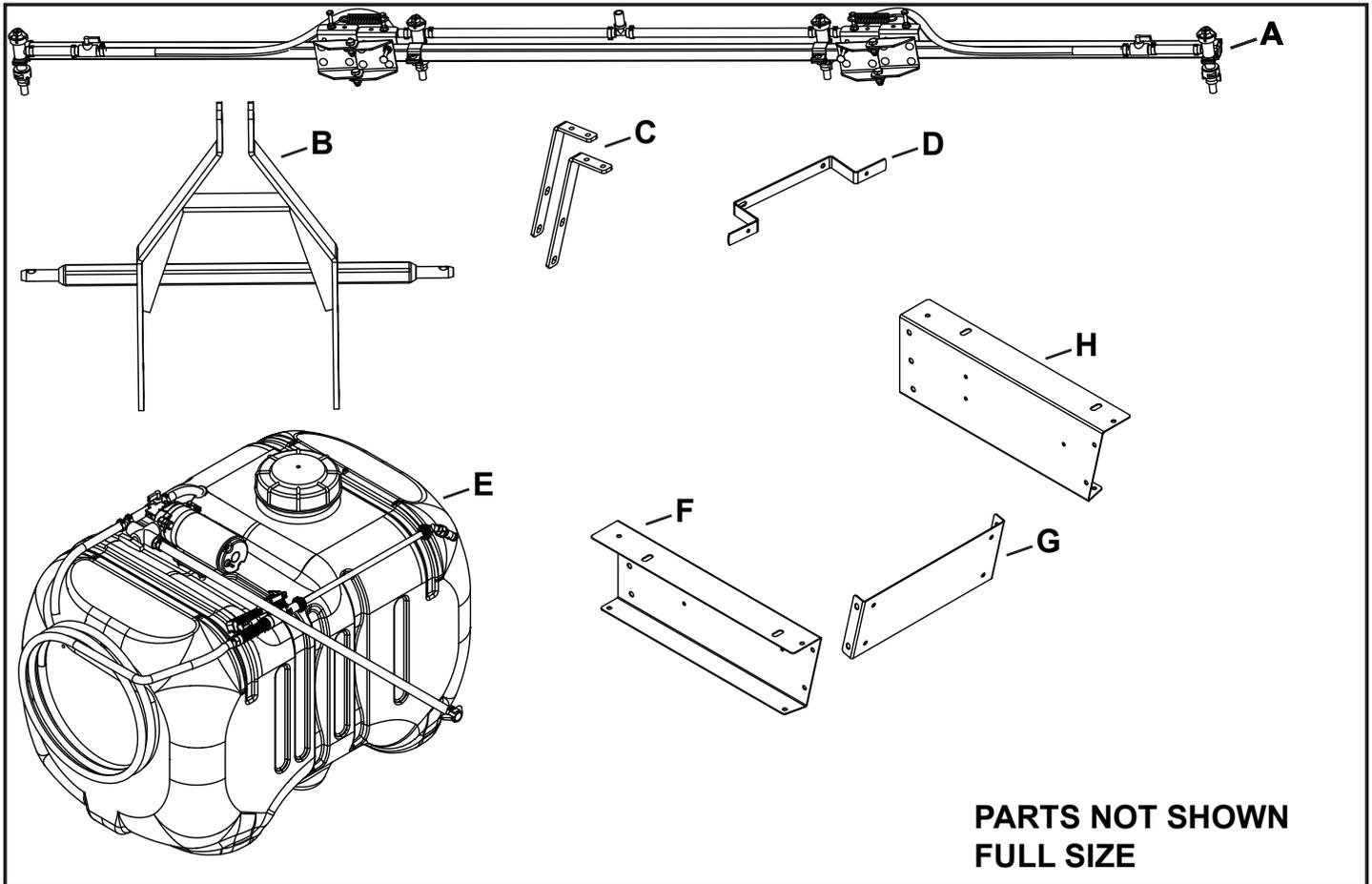
## Handling Waste Product and Chemicals

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

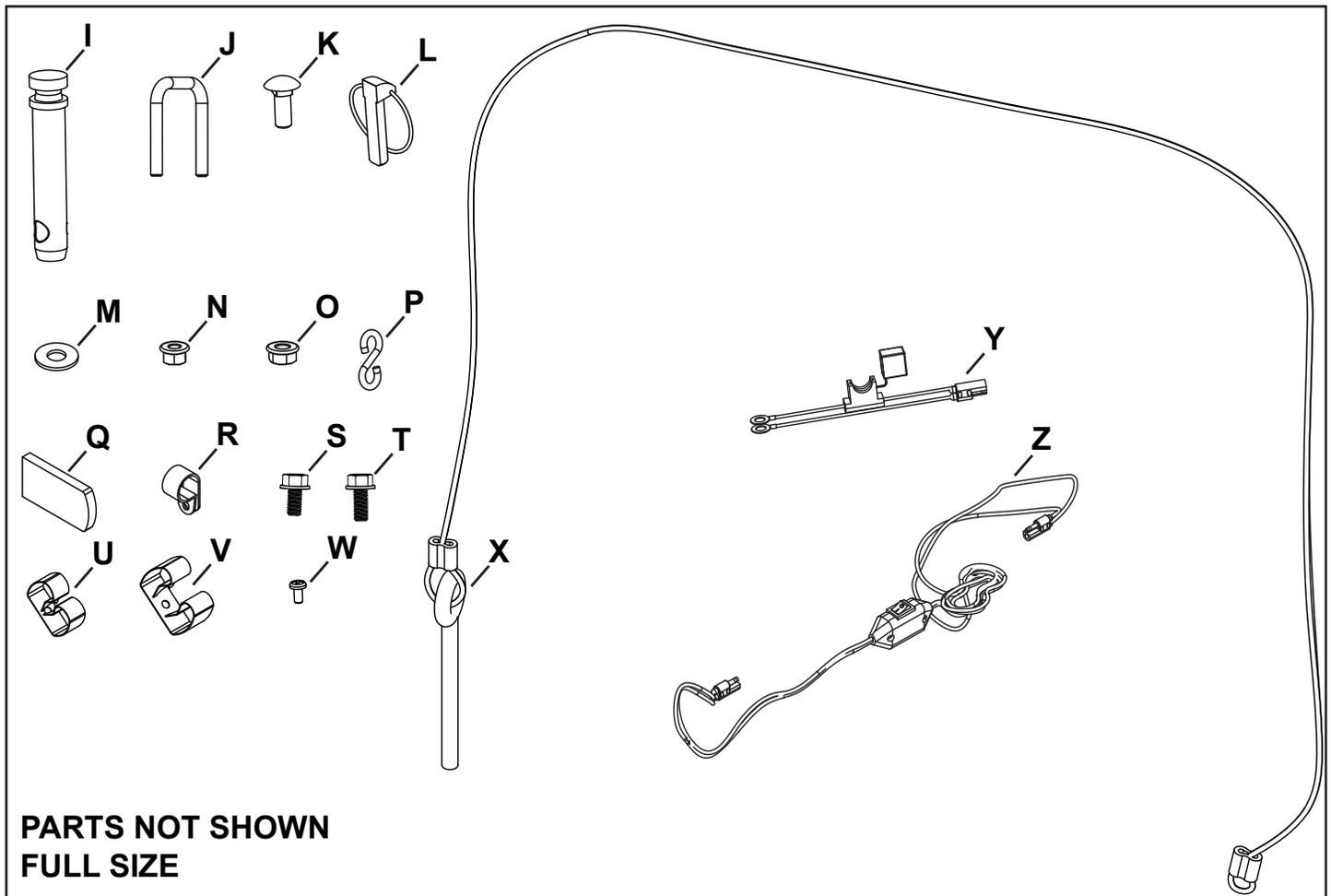
## Parts in Kit



REF	QTY	PART NO.	DESCRIPTION
A	1	6-1495	4 TIP BOOM, 3-PT 120"
B	1	ST61500BL3	FRAME, 3 POINT MAIN
C	2	ST61505BL3	SUPPORT, BOOM
D	1	ST62006BL3	BRACKET, HOSE WRAP
E	1	—	ASSEMBLY, SPRAYER
F	1	ST61502BL3	BASE, LEFT FRAME
G	1	ST61504BL3	BASE, REAR FRAME
H	1	ST61503BL3	BASE, RIGHT FRAME

# Assembly

## Hardware in Kit



REF	QTY	PART NO.	DESCRIPTION	REF	QTY	PART NO.	DESCRIPTION
I	1	ST43399	PIN, TOP CAT. 1	S	6	ST65011	BOLT, 5/16" X 5/8" HEX FLANGE
J	2	ST43315	U-BOLT, 5/16" X 1-3/4" X 2" SQUARE	T	8	ST65007	BOLT, 5/16" X 3/4" HEX FLANGE
K	6	43350	BOLT, 3/8" X 1" GRADE 5 CARRIAGE	U	1	ST43130	HOLDER, SMALL SPRAY WAND
L	3	ST43398	PIN, LYNCH	V	1	ST43287	HOLDER, LARGE SPRAY WAND
M	4	43070	WASHER, 7/16" X 1" X 5/64"	W	2	46677	SCREW, 10-24 X 3/8" PHILLIPS
N	16	46584	NUT, 5/16" HEX WHIZ LOCK	X	2	ST61511	ASSEMBLY, CABLE LANYARD
O	6	44072	NUT, 3/8" HEX WHIZ LOCK	Y	1	ST43483	WIRE HARNESS, BATTERY
P	2	ST61512	S-HOOK	Z	1	ST43472	WIRE HARNESS, SWITCH
Q	2	ST43283	RUBBER CAP, 1/8" X 1" X 2"	—	1	ST43485	WIRE HARNESS, 30" EXTENSION
R	1	ST43674	HOSE CLAMP, 3/8" METAL	—	1	ST43509	WIRE HARNESS, 8' EXTENSION

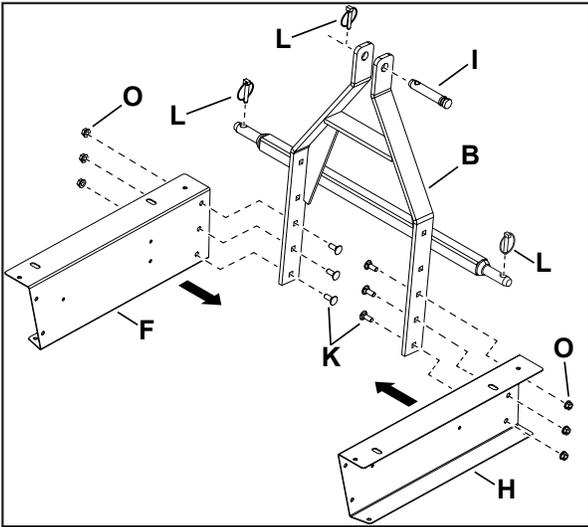
# Assembly

## Assembling Tank Frame

1. Install six 3/8" carriage bolts (K) into the lower three holes on the main frame (B) on each side from the inside.
2. Install the left (F) and right (H) frame bases onto the carriage bolts (K). Secure carriage bolts (K) with six 3/8" whiz lock nuts (O). Do not tighten hardware.

NOTE: Make sure the elongated holes on the frame bases are facing up. See image below.

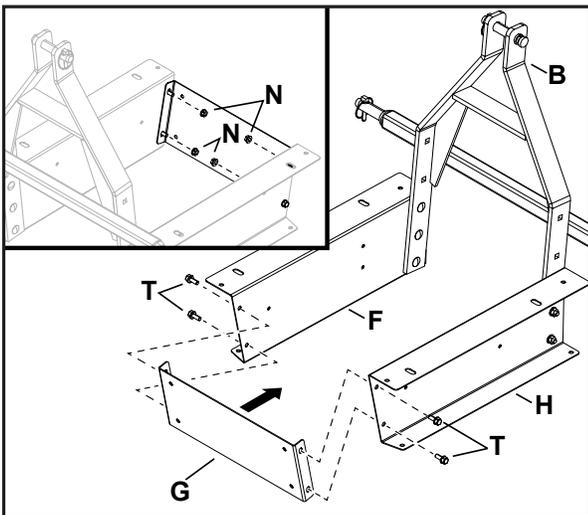
3. Install the top pin (I) into the top of the main frame (B). Secure with a lynch pin (L).
4. Install a lynch pin (L) onto each main frame side pin.



5. Install the rear frame base (G) in between the left and right frame bases.

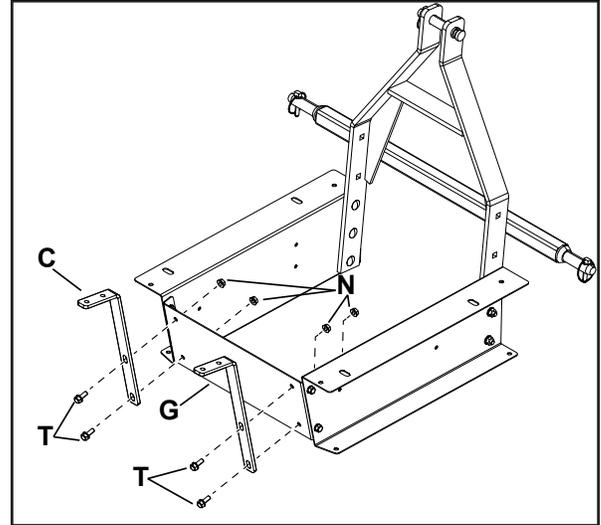
NOTE: Angled bends will face inward.

6. Install two 5/16" x 3/4" hex bolts (T) through the left frame base (F) and rear frame base (G). Secure with two 5/16" whiz lock nuts (N).
7. Repeat step 6 on other side.
8. Tighten hardware from step 2, 6, and 7.



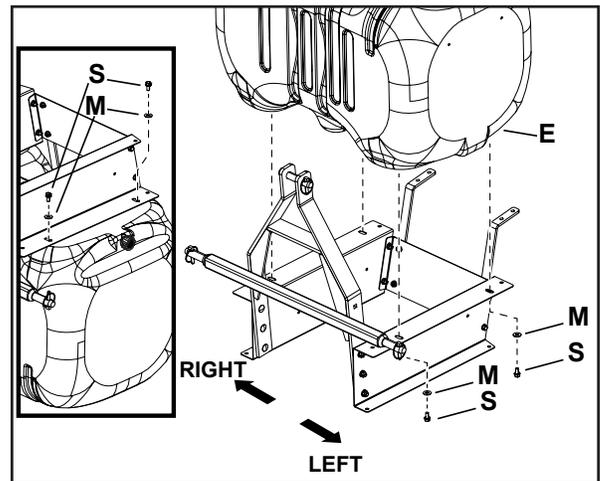
## Assembling Boom Supports

1. Install two boom supports (C) on the rear frame base (G). Secure with four 5/16" x 3/4" hex bolts (T) and four 5/16" whiz lock nuts (N). Tighten hardware.



## Installing Tank to Frame

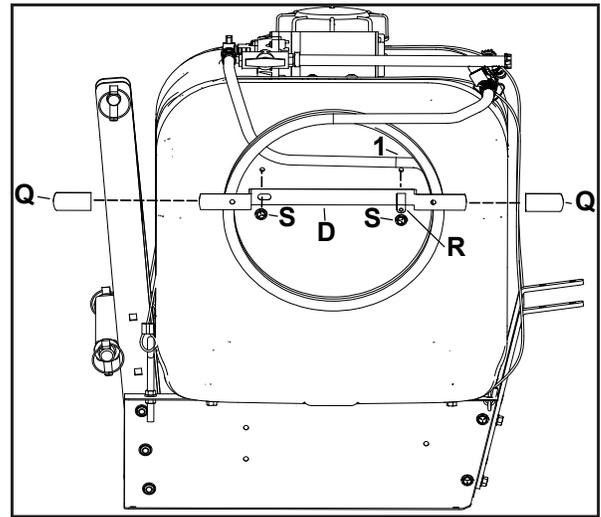
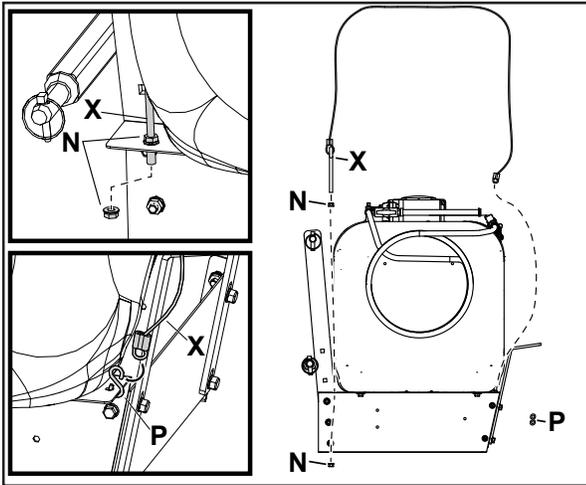
1. Place the sprayer assembly (E) onto the assembled frame. Make sure the side of sprayer with pump is on the left side.
2. Install four 7/16" washers (M) onto four 5/16" x 5/8" hex bolts (S).
3. Install washer and bolts into the bottom side of the elongated holes on the frame and then the sprayer tank.
4. Tighten hardware to **no more** than 7.5 ft lbs.



# Assembly

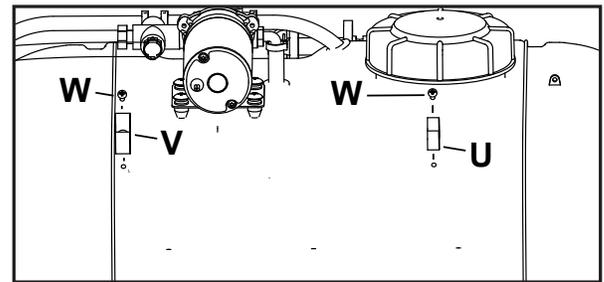
## Installing Cable Lanyards

1. Install the S-Hook (P) into the rear hole on the left frame.
2. Install the cable end (X) onto the other end of the S-Hook (P).
3. Route the cable lanyard over the sprayer but under any hoses.
4. Install a 5/16" whiz lock nut (N) with the head up onto the eye hook roughly 1/4" the way up.
5. Insert eye hook through the front hole on the left frame.
6. Install a 5/16" whiz lock nut (N) onto the eye hook. Do not tighten hardware.
7. Repeat steps on the right side cable lanyard,
8. Tighten the hardware making sure the cable lanyards are tight against the tank.



## Installing Spray Wand Holders

1. Install the large wand holder (V) on the left rearside of the tank with a phillips screw (W). Tighten hardware.
2. Install the small wand holder (U) on the right rearside of the tank with a phillips screw (W). Tighten hardware.
3. Place the spray wand into the wand holders.

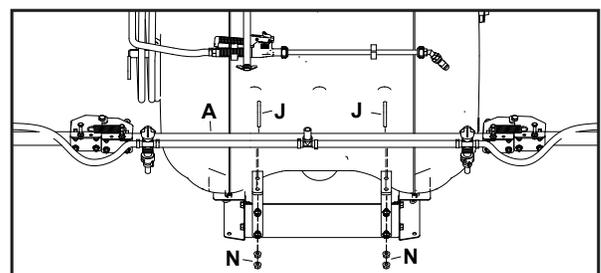


## Installing Hose Wrap Bracket

1. Insert hose (1) into the hose clamp (R). Make sure the clamp is on the hose section that is closer to the T-Fitting.
2. Line up the hose wrap bracket (D) with the two holes on the left side of the tank.
3. Install a 5/16" x 5/8" hex bolt (S) through the clamp (R) and hose wrap bracket (D) and into the tank. Do not tighten yet.
4. Install a 5/16" x 5/8" hex bolt (S) through hose wrap bracket (D) and into the tank.
5. Tighten bolts by hand.
6. Install a rubber cap (Q) onto each side of the hose wrap bracket (D).

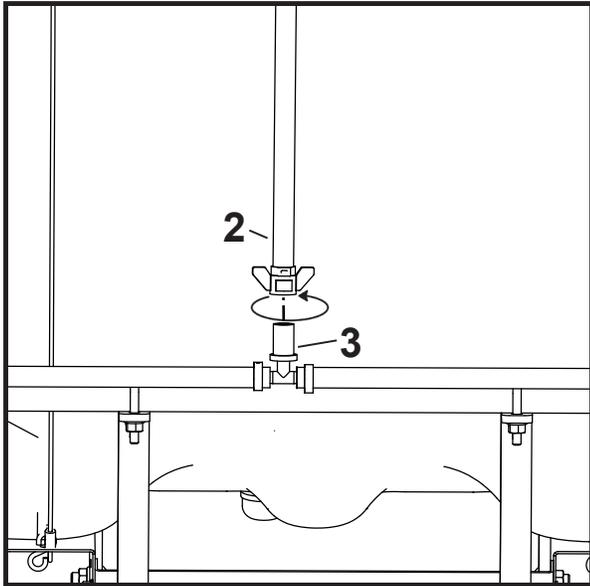
## Installing Boom Assembly

1. Install the boom assembly (A) between the holes on the boom supports.
- NOTE: Verify orientation on boom making sure the spray nozzles are facing opposite of the tank.
2. Install a 5/16" U-bolt (J) over the boom and through the boom support. Secure with two 5/16" whiz lock nuts (N).
  3. Repeat step 2 on the other side.
  3. Tighten hardware.



# Assembly

4. Route the hose (2) with the wing nut under the spray wand towards the boom.
5. Screw the wing nut onto the tee fitting (3) on the boom until it is tight.



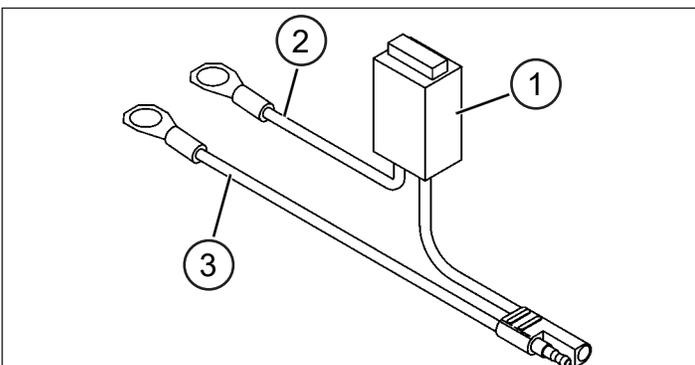
## Installing Switch Wire Harness

1. Install the short end of the switch harness (Z) to the battery harness (Y).
2. Route the other end of the harness towards the sprayer. The switch should be near the operator.
  - If not unplug the short end of switch harness and place the 30" extension between the two harnesses.
3. If needed may need to install a 30" or 8' extension harness depending on tractor model.

## Installing Wire Harness to Battery

**IMPORTANT:** Avoid damage! To help prevent electrical spark, install red wire to the positive (+) battery terminal first. Then install black wire to negative (-) battery terminal. To prevent damage to wiring, make sure hood does not close on wires or connectors.

1. Fuse holder (1) should contain a 15 A / 32 V fuse. Make sure fuse filament is not broken.
2. Open hood.
3. Remove nut from positive (+) battery cable clamp. Install red lead (2) onto clamp bolt. Install and tighten nut completely.
4. Remove nut from negative (-) battery cable clamp. Install black lead (3) onto clamp bolt. Install and tighten nut completely.



# Installation

## Installing Ballast



**CAUTION: Avoid Injury!** Machine can become unstable when operating with attachment. Ballast is required when the attachment is installed.

When the attachments is removed, also remove any ballast that was added to the machine.

Use only attachments and accessories recommended by the manufacturer.

Refer to your tractors operator's manual to determine the required front ballast weight. When filled with liquid, the 45-gallon sprayer weights 620 lbs (281 Kg).

## Attaching Sprayer to Tractor

1. Park machine safely and on level ground.
2. Lower tractor lift link to lowest position.
3. Mount sprayer on 3-point hitch and install lynch pins.
4. Attach pump harness to switch harness making sure harness is clear of any pinch points.
5. Level sprayer by adjusting the top link and draft link on the 3-point hitch

NOTE: The tip should be 43 cm (17 in.) from the ground. Adjust the 3-point hitch stop as needed.

## Attaching Sprayer to Tractor with Quick Hitch

1. Install bushing set (sold separately), John Deere part number LP19969, on to sprayer.
2. With sprayer on level ground, lower 3-point hitch aligning the center hook just below the top pin on the sprayer.
3. Back tractor into position and ensure all three connection points are aligned.
4. Raise 3-point hitch and ensure all three pins are fully engaged with the quick hitch.
5. Lock lower connections on quick hitch following the manufacture's directions.
6. Level sprayer by adjusting the top link and draft link on the 3-point hitch.
7. Attach pump harness to switch harness making sure harness is clear of any pinch points.

# Operation

## Filling Sprayer Tank



**CAUTION: Avoid injury! Chemicals can be dangerous. Avoid injury to operator or bystanders:**

- Read chemical container label for mixing and handling instructions. A Material Safety Data Sheet (MSDS) should be supplied by the chemical dealer and provides proper safety information.
- Wear proper clothing and safety equipment while handling or applying spray chemicals.
- Wear a full covering of clothing, protective goggles and rubber gloves.
- Prohibit all smoking, drinking, and eating around chemicals.
- When filling tank, never allow end of water hose to contact chemical mixture.

**IMPORTANT: Avoid damage! Clean any spills immediately with clean water prior to operating the sprayer.**

1. Clean area around tank filler cap to prevent tank contamination.
2. Remove tank filler cap and fill tank.
3. Install tank filler cap.

## Draining and Cleaning Sprayer Tank

**IMPORTANT: Avoid damage!**

- Proper disposal of excess spray is very important. Dilute it with water and apply it to area previously treated.
- Never dump excess into a storm drain or near a lake or stream.

1. The preferred method of cleaning is to dilute remaining material with water and apply it to the area previously treated:
  - If excess material remains, remove drain cap and empty remaining material into an appropriate container for reuse or for disposal according to local regulations or as specified in the manufacturer's label.

**NOTE: Be sure to visibly label the container contents for safety.**

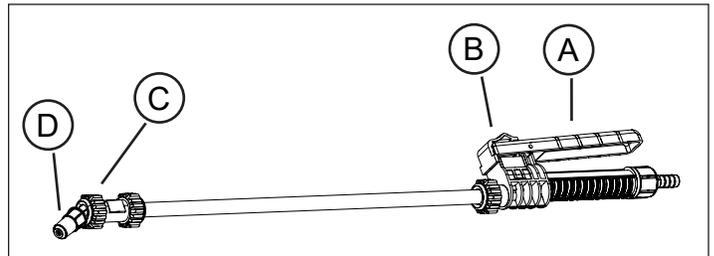
2. Spray all inside surfaces of tank with low pressure garden hose to remove any remaining solution. Replace the drain cap and run clean water through the pump, hoses and boom applying those contaminated contents on previously treated area.

1. Rinse outside of sprayer tank thoroughly with fresh clean water. Rinse several times to make sure sprayer tank is clean and free of chemicals.
2. Once the tank is empty, wipe out inside of sprayer tank with a clean cloth or paper towel.
3. Install drain cap and filler cap.

## Operating Spray Wand

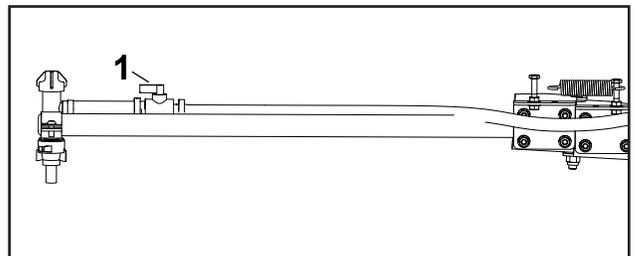
**NOTE: It is not recommended to use wand while operating the machine. Turn machine on for wand use, but do not maneuver machine unless wand and hose are in normal storage position on the tank.**

1. Turn shut-off valve lever perpendicular to hose.
2. Squeeze handle (A) to spray.
  - Push lock (B) forward to lock handle into the on position.
3. Adjust nozzle:
  - Nozzle Angle - Loosen locknut (C). Turn nozzle (D) as desired and tighten locknut.
  - Nozzle Spray Pattern - To change spray pattern, tighten or loosen nozzle (D) as desired.



## Operating the Boom

1. Open up the left and right outer booms. Both sides of the arms have a breakaway feature to prevent damage.
2. Boom has adjustable spray width between 60", 90", and 120".
3. To adjust the spray width you will turn off the inline valve (1) on one or both of the outer booms.



# Operation

## Spraying Tips

- Do not let sprayer run in one spot.
- Do not over spray when you use weed killers.
- Liquid spray material is recommended. Sprayer does not agitate wettable powders.
- Timely applications of a smaller dosage are better than large applications.
- Turn sprayer off during turns to avoid double spraying.
- Fill sprayer where spills cannot harm grass.
- Follow manufacturer's recommendations for application of specific chemicals.
- Stop sprayer when tank is empty.
- Always purge air from spray wand at start of spraying session.

## Checking Machine Ground Speed

1. Drive vehicle and sprayer (half-full is optimal) across a measured distance at a constant speed. There can be no change in speed while measuring time. Speed should be a comfortable speed for spraying.
2. Have someone measure the amount of time (in seconds) it takes to travel the measured distance.
3. Speed can be found by entering data into the equation: speed (mph) = distance (ft) x 60/time (sec) x 88, or by consulting the following table. It is helpful to note throttle location, gear and/or RPMs in order to maintain accuracy.

Speed in mph	Time (sec) required to travel a distance of:	
	200 ft	300 ft
1	136	205
1.5	91	136
2	68	102
2.5	55	82
3	45	68
3.5	39	58
4	34	51
4.5	30	45
5	27	41
5.5	25	37
6	23	34
6.5	21	31
7	19	29

## General Spraying Information

The 45 gallon sprayer operates at a fixed pressure through the boom and spray wand. Although the pressure can be adjusted to the boom by partially opening the boom control valve, it is recommended that the valve is operated in full open position.

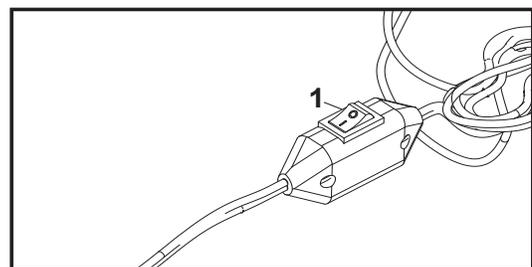
PRECISION BOOM						
Tip Size	PSI	GPM one nozzle	GPA			
			4 MPH	5 MPH	6 MPH	8 MPH
AIC11-004	30	0.35	17.3	14.0	11.5	8.7
	40	0.40	20.0	16.0	13.2	9.9
	50	0.45	22.0	18.0	14.7	11.1
	60	0.49	24.0	19.3	16.0	12.1

## Starting and Stopping Sprayer

**IMPORTANT: Avoid damage! Operate sprayer with transport vehicle running to avoid discharging the battery.**

**NOTE: The sprayer pump to battery hookup is a direct electrical connection. Shutting off the transport vehicle does not prevent operation of the sprayer pump. To avoid accidental spraying, disconnect the pump connection before leaving the sprayer.**

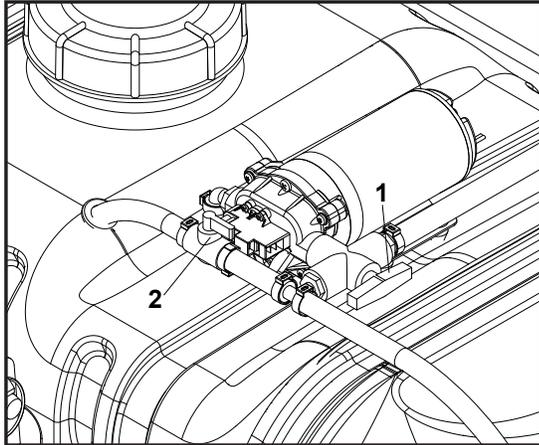
1. Push switch (1) to on or off position to start or stop sprayer.



# Operation

## Selecting Spray Wand or Boom Nozzles

- ON POSITION - Turn the ball valve (1) all the way to the left for the spray wand. All the way to the right for the boom.
- OFF POSITION - Lever is vertical.



- To use the recirculation valve place the valve (2) in line with the hose.
- Valve is closed when perpendicular to the hose.
- Closed position will give full pressure through the spray wand or boom.
- It may be helpful to adjust the pressure when spraying with the spray wand to avoid damage to plants from excess pressure.
- If your sprayer is equipped with a boom, this valve should be in the “closed” position when operating the boom

# Removing and Storing

## Machine Requirements

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



**CAUTION: Avoid injury! To avoid chemical injury:**

- Wear protective clothes, gloves and goggles when handling sprayer.
- Do not store sprayer with chemicals in tank
- If spray comes in contact with your body, immediately follow directions on chemical container pertaining to spray material.

2. Empty the sprayer tank.

**NOTE: Battery harness with fuse should not be removed.**

3. Lower the sprayer to the ground.
4. Disconnect main wiring harness only. Leave all other harnesses installed on tractor.
5. Roll up main harness and store with sprayer.
6. Fold in the outer booms.
7. Remove the top lynch pin and top link pin, and disconnect the center link on tractor.
8. Install the link pin and top lynch pin in the sprayer top mounting hole for storage.
9. Remove the top lynch pins from the lower 3-point hitch arms.
10. Pull the lower 3-point hitch arms off the lower link draft pins.
11. Install the lynch pins into the lower link draft pins for storage.
12. Move the sprayer away from the machine.

## Store Sprayer Safely



**CAUTION: Avoid injury! To avoid chemical injury:**

- Wear protective clothes, gloves and goggles when handling sprayer.
- Do not store sprayer with chemicals in tank
- If spray comes in contact with your body, immediately follow directions on chemical container pertaining to spray material.

1. Pump all spray material from tank. (See Dispose of Chemicals Properly in the SAFETY section.)
2. Rinse tank, pump, spray wand and all hoses thoroughly with fresh clean water.
3. Repeat step 2 several times.
4. Wipe out sump with a clean cloth or paper towel.
5. Drain hoses and pump filter.
6. Check sprayer for worn or damaged parts. Replace parts as needed.
7. Tighten loose hardware.
8. Store sprayer in a place where it will not freeze.

# Service

## Cleaning Spray Nozzle

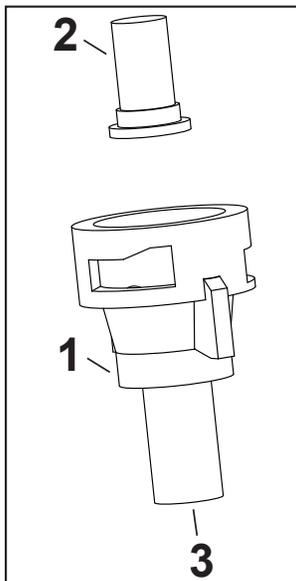


**Avoid injury! Do not put nozzle tip or other sprayer parts to your lips to blow out dirt. Use compressed air or clean water.**

1. Remove spray tip (1) from sprayer.
2. Disassemble filter (2) and spray tip (1).

**NOTE: Do not use a wire to clean opening (3) in spray tip.**

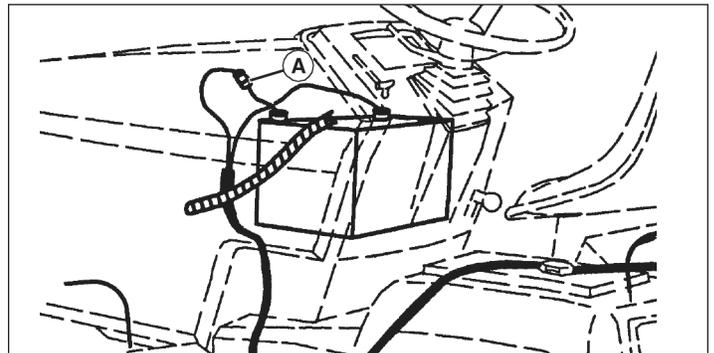
3. Wash filter (2) and spray tip (1) in a non-flammable solvent.
4. Put flat side of filter (2) in spray tip (1).
5. Install assembly on nozzle body.



## Changing Fuse

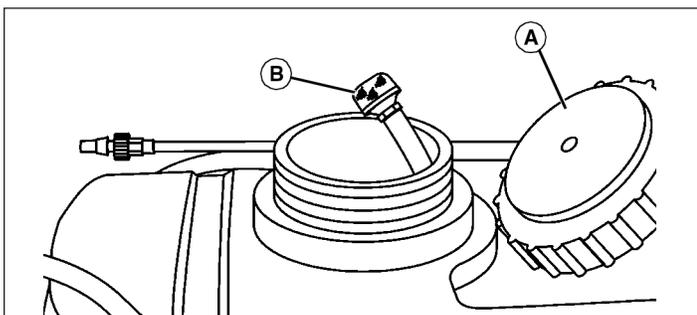
**IMPORTANT: Avoid damage! The electrical system may be damaged if incorrect replacement fuses are used. Replace the bad fuse with a fuse of the same amp rating.**

1. Open hood.
2. Remove fuse (A).
3. Install new 15 amp fuse.
4. Close hood.



## Cleaning Pump Suction Screen

1. Remove tank cover (A).
2. Locate suction screen (B) inside sprayer tank.
3. If necessary, unscrew suction screen and clean with liquid detergent and warm water.
4. If suction screen was removed, install on suction hose and position in lowest depression inside tank.
5. Install and tighten tank cover.



# Troubleshooting

## Using Troubleshooting Chart

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

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

IF	CHECK
Pump Loses Suction.	Clean Pump suction screen. Check tank fill level. Fill tank. Clean or replace pump. Check for loose pump fittings.
Pump Capacity Decreased.	Clean pump suction screen. Clean spray nozzle(s). Selection lever is not completely turned on, or is in the OFF position.
Poor Spray Pattern.	Clean spray nozzles. Adjust nozzle height. Align spray tips with boom.
Pump Does Not Work.	Check wiring connections. Check machine battery. Clean debris from pump. Check pump switch. Check pump motor. Check fuse at battery.

# Specifications

## 45 Gallon Sprayer

Tank Capacity . . . . . 170 L (45 gallon)

### Pump:

Type. . . . . Electric Motor and Diaphragm

Current Draw . . . . . 7 amp

Fuse . . . . . 15 amp

System Pressure . . . . . 689 kPa (100 psi)

Spray Rate . . . . . 8.3 L/min (2.2 gal/min)

Suction Hose Strainer . . . . . Stainless Steel

Spray Tip Material . . . . . Brass

Spray Wand Material . . . . . Plastic

### Sprayer:

Nozzle Tip Height . . . . . 43 cm (17 in)

Sprayer Width . . . . . 152 cm (60 in)

Sprayer Width . . . . . 228 cm (90 in)

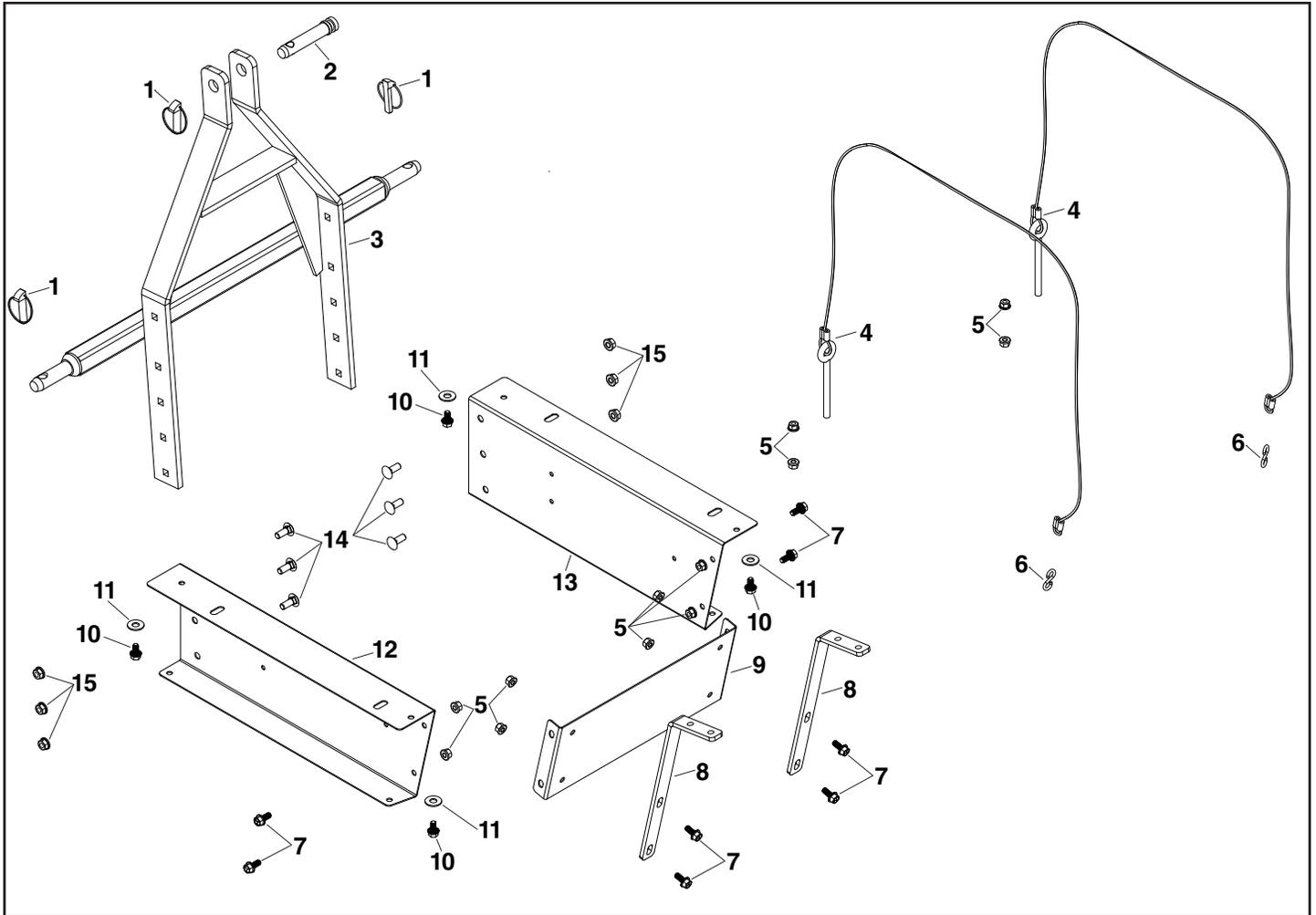
Sprayer Width . . . . . 305 cm (120 in)

### Weight:

Empty . . . . . 36.2 kg (80 lb)

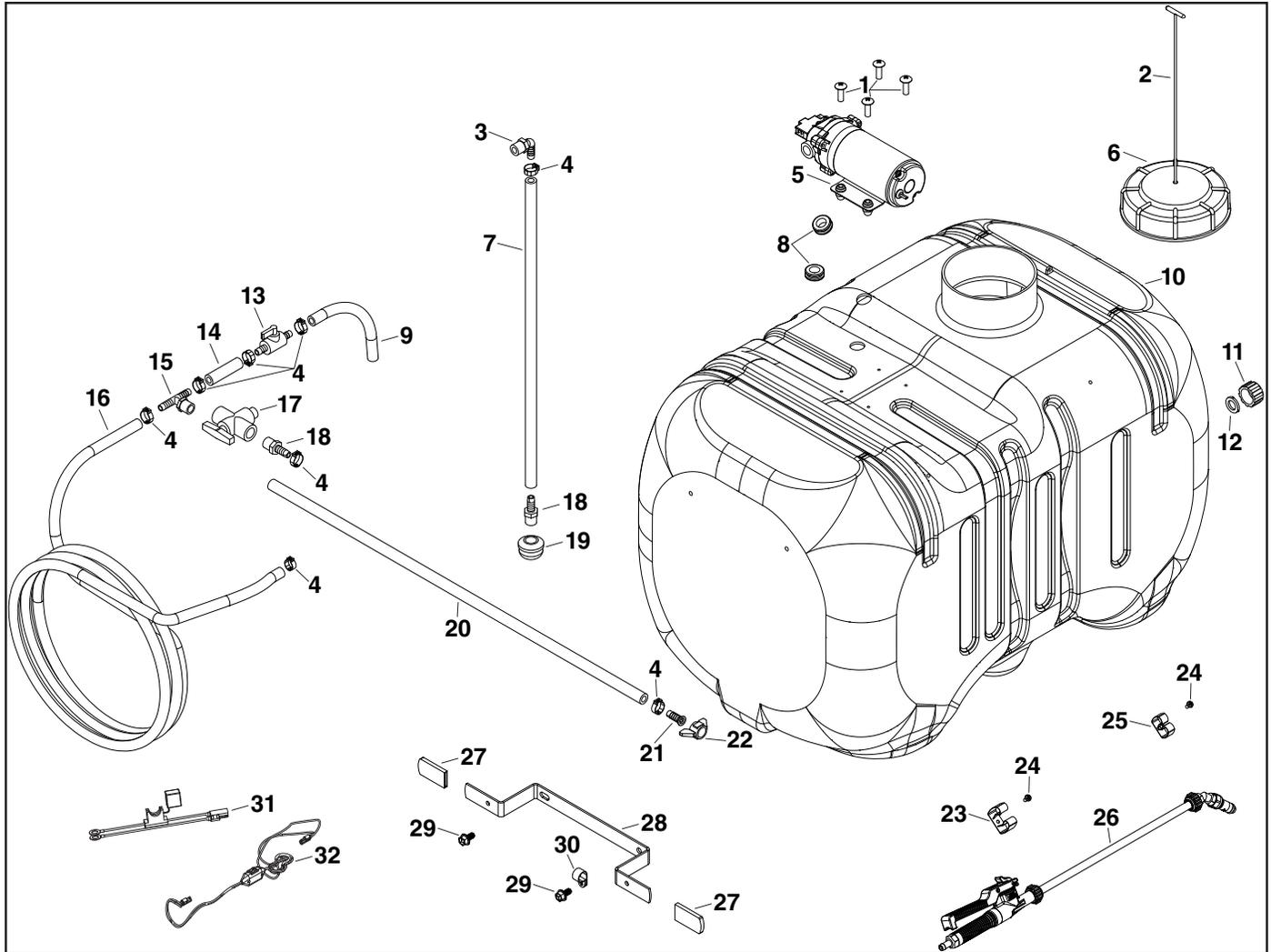
Full . . . . . 206 kg (455 lb)

# Sprayer Frame Repair Parts



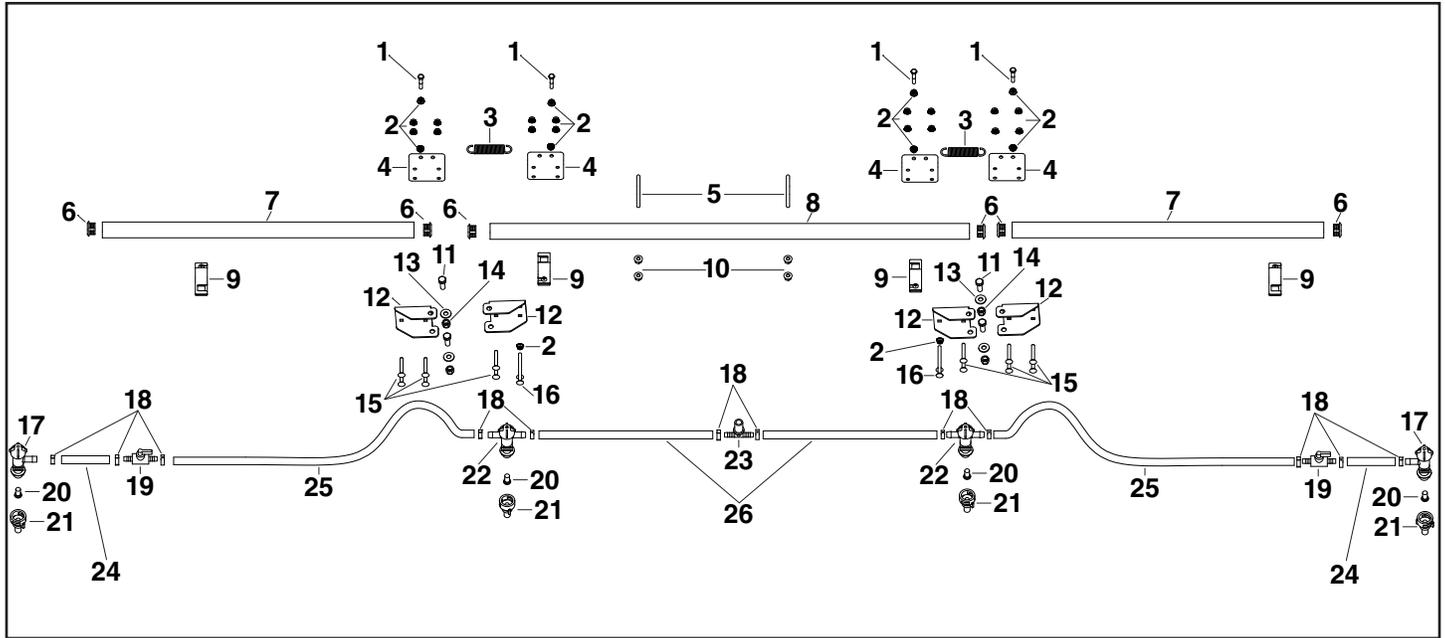
REF	QTY	PART NO	DESCRIPTION
1	3	ST43398	PIN, LYNCH
2	1	ST43399	PIN, TOP CAT. 1
3	1	ST61500BL3	FRAME, 3 POINT MAIN
4	2	ST61511	ASSEMBLY, CABLE LANYARD
5	12	46584	NUT, 5/16" HEX WHIZ LOCK
6	2	ST61512	S-HOOK
7	8	ST65007	BOLT, 5/16" X 3/4" HEX FLANGE
8	2	ST61505BL3	SUPPORT, BOOM
9	1	ST61504BL3	BASE, REAR FRAME
10	4	ST65011	BOLT, 5/16" X 5/8" HEX FLANGE
11	4	43070	WASHER, 7/16" X 1" X 5/64"
12	1	ST61502BL3	BASE, LEFT FRAME
13	1	ST61503BL3	BASE, RIGHT FRAME
14	6	43350	BOLT, 3/8" X 1" GRADE 5 CARRIAGE
15	6	44072	NUT, 3/8" HEX WHIZ LOCK

# Sprayer Tank Repair Parts



REF	QTY	PART NO	DESCRIPTION	REF	QTY	PART NO	DESCRIPTION
1	4	ST65001	SCREW, 10-24 X 1" TRUSS HEAD	20	1	2-325	HOSE, 3/8" X 31"
2	1	ST44017	LANYARD, TANK FILL CAP	21	1	ST43499	FITTING, 3/8" BARB (FOR WING NUT)
3	1	ST43183	ELBOW, 3/8" MP - 3/8" BARB	22	1	ST43498	NUT, PLASTIC WING
4	8	ST43652	CLAMP, 1/2" SCREW TYPE HOSE	23	1	ST43287	HOLDER, LARGE SPRAY WAND
5	1	ST43918	PUMP, 12V, 100 PSI, 2.2 GPM	24	2	46677	SCREW, 10-24 X 3/8" PHILLIPS
6	1	ST43175	CAP, TANK FILL	25	1	ST43130	HOLDER, SMALL SPRAY WAND
7	1	2-314	HOSE, 3/8" X 22"	26	1	ST43673	BRASS TIP, SPRAY WAND WITH
8	2	ST43844	GROMMET, 5/8" ID, 1-1/8" OD, 7/8"	27	2	ST43283	CAP, 1/8" X 1" X 2" RUBBER
9	1	2-319	HOSE, 3/8" X 8.5"	28	1	ST62006BL3	BRACKET, HOSE WRAP
10	1	ST44011	TANK, 45 GALLON DRILLED	29	2	ST65011	BOLT, 5/16" X 5/8" HEX FLANGE
11	1	48719	CAP, 3/4" GHT DRAIN	30	1	ST43674	CLAMP, 3/8" METAL HOSE
12	1	ST43684	WASHER, DRAIN CAP	31	1	ST43483	WIRE HARNESS, BATTERY
13	1	ST43014	VALVE, 3/8" BARB IN LINE	32	1	ST43472	WIRE HARNESS, SWITCH
14	1	2-317	HOSE, 3/8" X 2.5"	—	1	ST43485	WIRE HARNESS, 30" EXTENSION
15	1	ST43235	TEE, 3/8" BARB X 3/8" BARB X 3/8" MP	—	1	ST43509	WIRE HARNESS, 8" EXTENSION
16	1	2-340	HOSE, 3/8" X 240"	—	1	JD5711	LABEL, LEAPING DEERE
17	1	ST43181	VALVE, 3/8" BALL	—	1	MT3980	LABEL, CHEMICAL HAZARD WARNING
18	2	ST43182	FITTING, 3/8" BARB SUMP	—	1	M117627	LABEL, INSTALL BALLAST CAUTION
19	1	ST43258	STRAINER, 3/8" SUMP	—	1	3-426	MANUAL, OWNER'S

# Boom Repair Parts



REF	QTY	PART NO	DESCRIPTION	REF	QTY	PART NO	DESCRIPTION
1	4	43648	BOLT, 1/4" X 1-1/2" GRADE 5 HEX	14	4	HA21362	NUT, 3/8" HEX NYLOCK
2	26	ST65073	NUT, 1/4" FLANGE	15	14	45039	BOLT, 1/4" X 1-3/4" CARRIAGE
3	2	ST43403	SPRING, 3/4" X 3-3/4" X 3/32" BOOM	16	2	ST65155	BOLT, 1/4" X 3" CARRIAGE
4	4	2-1045BL3	PLATE, BOOM HINGE BACK	17	2	ST43406	NOZZLE BODY, 3/8" END
5	2	ST43315	U-BOLT, 5/16" X 1-3/4" X 2" SQUARE	18	12	ST43652	CLAMP, 1/2" SCREW TYPE HOSE
6	6	ST43401	PLUG, 1" SQUARE	19	2	ST43014	VALVE, 3/8" BARB IN LINE
7	2	ST60084BL3	BOOM, 25-1/4" SIDE	20	4	ST43411	SCREEN/STRAINER, SPRAY TIP
8	1	ST60082BL3	BOOM, 40" CENTER	21	4	ST43843	TIP, AIR INDUCTION
9	4	ST43598	CLAMP, 1" SQUARE BOOM	22	2	ST43405	NOZZLE BODY, 3/8" CENTER
10	4	46584	NUT, 5/16" HEX WHIZ LOCK	23	1	ST43192	NOZZLE FITTING, 3/8" BARB TEE
11	4	43001	BOLT, 3/8" X 1" GRADE 5 HEX	24	2	2-326	HOSE, 3/8" X 4"
12	4	2-1044BL3	HINGE, 150" BOOM	25	2	2-338	HOSE, 3/8" X 29"
13	4	43081	WASHER, 3/8" X 7/8"	26	2	2-339	HOSE, 3/8" X 14.5"
				—	1	6-1495	4 TIP BOOM, 3-PT 120" (INCLUDES ALL PARTS ABOVE)

## 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 Agri-Fab at 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 2 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:

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

This product was manufactured by Agri-Fab, a John Deere Licensee, located at 809 S Hamilton St, Sullivan, IL 61951. 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 800-448-9282 for assistance.

