

15 and 25 Gallon Wheeled Sprayers and 25 Gallon Portable Sprayer (Serial No. 010001–)



JOHN DEERE

OPERATORS MANUAL

15 and 25 Gallon Wheeled Sprayers and 25 Gallon
Portable Sprayer (Serial No. 010001–)

OMM123748 D5 English

John Deere
Lawn & Grounds Care Division
OMM123748 D5
North American Version

LITHO IN U.S.A.
ENGLISH



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INTRODUCTION

THANK YOU for purchasing a John Deere product.

Read this manual and your vehicle manual thoroughly. Failure to do so could result in personal injury or equipment damage.



This manual should be considered a permanent part of your machine and should remain with the machine when you sell it.

Measurements in this manual are metric units and their U.S. customary equivalents. RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward.

Product warranty is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The product warranty is explained on the warranty certificate you received from your dealer.



15 Gallon Sprayer Shown

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INTRODUCTION

Record identification numbers below. Be sure to record all the numbers to help in tracing the machine if it is stolen. You also need to give these numbers to your dealer when you order parts

Date of Purchase:

Dealer Name:

Phone:



Serial Number:

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15 Gallon Sprayer Shown

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NOTES

NOTES

NOTES

SAFETY SIGNS

Safety-Alert Symbol

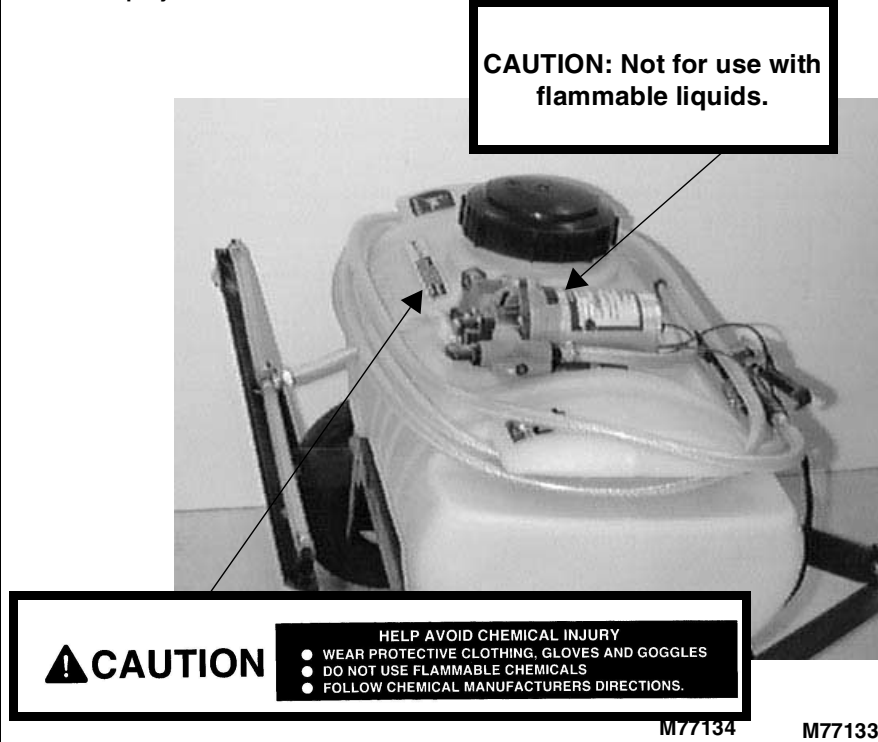
Read and recognize safety information. Be alert to the potential for personal injury when you see this safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.



Machine Safety Labels

15 Gallon Sprayer Shown



PREPARING THE VEHICLE

Tractor Requirements (15 And 25 Gallon Wheeled Sprayers)

Make sure tractor tire pressure is correct. (See your tractor operator's manual for the correct pressure.)

Tractor weights improve stability. Add front weights for better front-end stability and steering. See your John Deere dealer for these weights. Instructions to install will come with the weights.

Your tractor requires the following:

- 12-Volt Battery and Alternator
- Drawbar
- Wiring Harness Extension: This part is required on all tractors that have the battery located in front of the engine. Order this wiring harness from your John Deere dealer.

On tractors equipped with rear suitcase weights or grass bagging attachments: These attachments need to be removed before installing sprayer. They are not compatible with this sprayer. Bagger mounting brackets may remain installed.

Vehicle Requirements (25 Gallon Portable Sprayer)

Please read the sections on operation and spraying safety in your operator's manual. Pay particular attention to the section dealing with the 12 volt wire harness installation.

You should pay particular attention to what the sprayer will be transported with. Be sure that the unit is capable of carrying the 25 gallon portable sprayer fully loaded. When loaded it will weigh about 101 kg (222 lbs), so it is important that the unit be secured properly and that the carrying vehicle can safely carry that load.

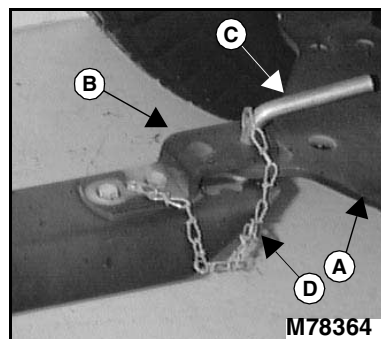
INSTALLING

Park Vehicle Safely

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

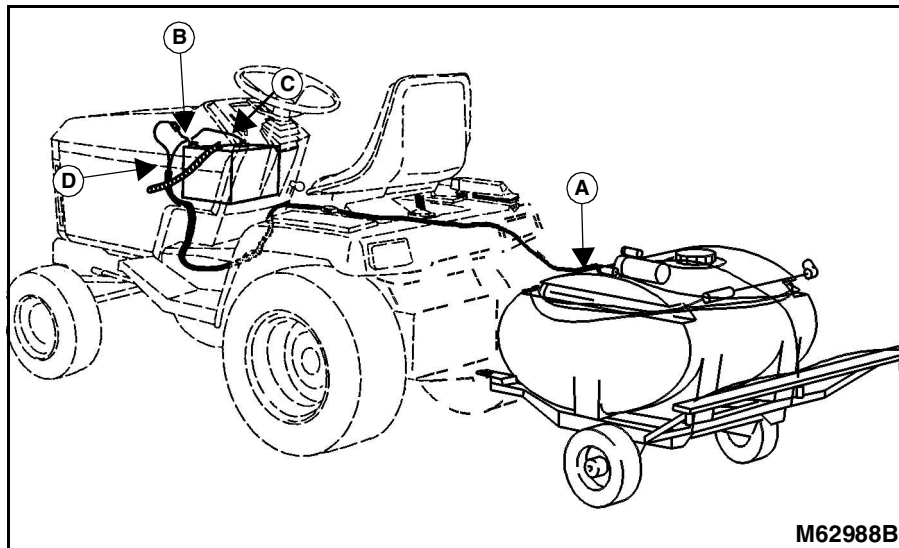
Attach Sprayer To Tractor

1. Pull sprayer in line with the drawbar on the tractor.
2. Pull sprayer forward until drawbar (A) on tractor is between clevis (B) on sprayer.
3. Put tethered chain assembly (C) into hole on clevis and through drawbar.
4. Fasten with spring locking pin (D).
5. Swing boom extensions out and lock in place. (25 Gallon Sprayer Only)



INSTALLING

Route Wiring Harness – Units Equipped With Mid Battery



1. Connect long end from switch to pump leads (A).
2. Route harness as shown. On some units route wire on right side of fuel tank filler.

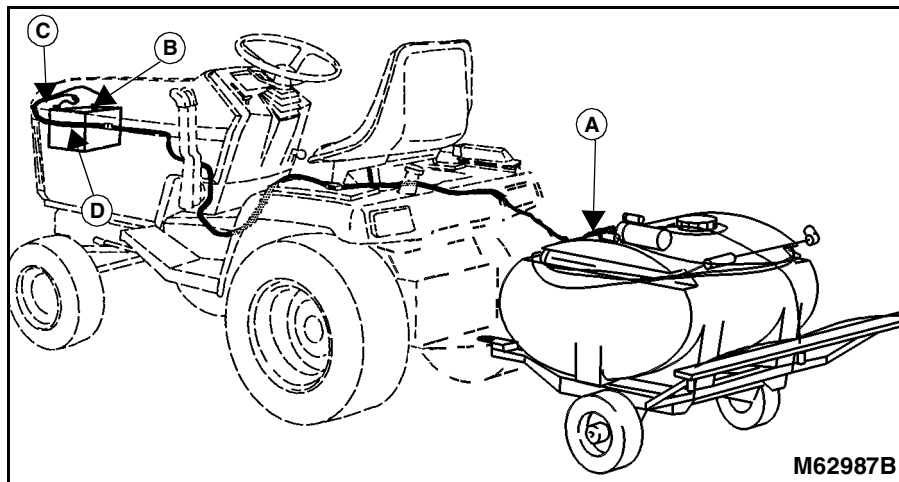
IMPORTANT: To help prevent a possible electric spark, install the red positive (+) wire to the positive battery terminal first. Then install the negative terminal.

3. Fasten red lead to positive (+) terminal (B) of battery.
4. Fasten black lead to negative (–) terminal (C) of battery.
5. Connect short end to battery leads (D) of harness.

NOTE: MAKE SURE hood does not close on wires or connectors.

INSTALLING

Route Wiring Harness – Units Equipped With Front Battery



NOTE: You will need a 29-in. (74 cm) extension wire.
Purchase from your John Deere dealer.

1. Connect long end from switch to pump leads (A).
2. Route wire on right side of fuel tank filler.

IMPORTANT: To help prevent a possible electric spark, install the red positive (+) wire to the positive battery terminal first. Then install the negative terminal.

3. Fasten red lead to positive (+) terminal (B) of battery.
4. Fasten black lead to negative (-) terminal (C) of battery.
5. Connect extension (D), not furnished; to short end from switch. Then route extension under forward hood rod and connect it to battery leads.

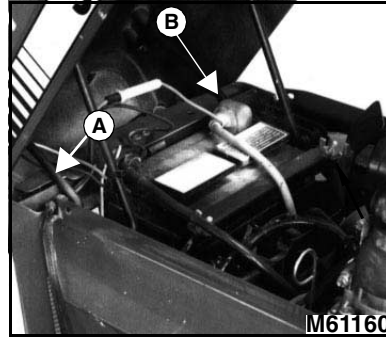
NOTE: MAKE SURE hood does not close on wires or connectors.

INSTALLING

Route Wires To Front Battery – Units So Equipped

1. Route main wire under forward hood rod (A).
2. Route red lead inside red rubber terminal cover (B).

NOTE: MAKE SURE hood does not close on wires or connectors.



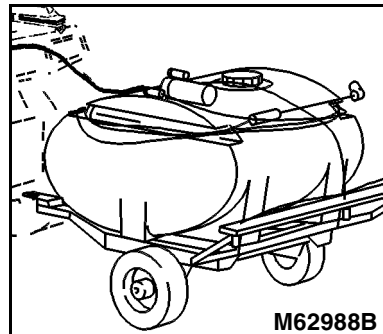
REMOVING

Park Vehicle Safely

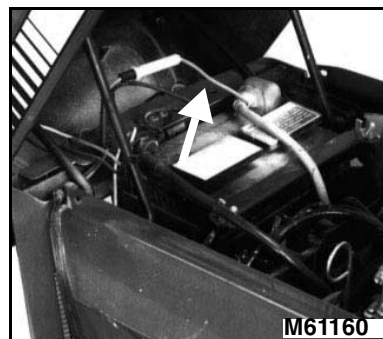
- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Removing Sprayer

1. Empty the tank.
2. Flush the tank.



3. Disconnect wire harness from battery leads. Roll harness and store with tank.

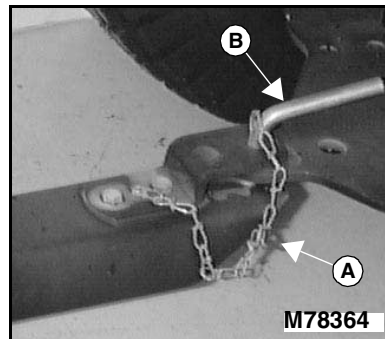


REMOVING

4. Fold in boom extensions.
(25 Gallon Sprayer Only)



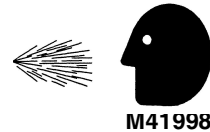
5. Pull spring locking pin (A) out of
hitch pin and remove hitch pin (B).
6. Pull sprayer back from tractor.
7. Put hitch pin in sprayer hitch for
storage.



OPERATING

Operate Safely

- Check vehicle brake action before you operate. Adjust or service brakes as necessary. The sprayer can weigh as much as 119 kg (262 lbs), so it is important that you understand that the tractor brakes must be in good operating condition. You should also consider the total tractor load, especially if you are operating on rolling terrain.
- DO NOT use with flammable liquids.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Make repairs before you operate. Keep machine properly maintained and in good working order.
- Do not direct spray toward bystanders or allow anyone near sprayer while in operation.
- If spray comes in contact with your body, immediately follow directions on chemical container pertaining to spray material.
- DO NOT leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- DO NOT let anyone, ESPECIALLY CHILDREN, ride on sprayer or vehicle. The sprayer handgun is an especially tempting “toy” for children once they see it operate. The handgun can present a dangerous situation for children.
- Be sure to use the hitch pin provided for the sprayer.
- Fold out boom extensions. (25 Gallon Sprayer Only)



OPERATING

Spray Safely

- DO NOT let children or an untrained person operate machine.
- Do not spray during extreme heat or windy weather.
- Do not put nozzle tip or other parts to your lips to blow out dirt.



In An Emergency

- You should give some thought to what you will do if you do have an accidental spill of spray material. Generally there will be telephone numbers available to you from your local emergency departments. It is best to be prepared rather than trying to figure out what to do if the problem happens.

Wear Appropriate Clothing

- Wear proper clothing and safety equipment while spraying.
- It is best to wear full cover clothing and always wear protective goggles and rubber gloves to protect yourself while spraying.
- It is a good practice to take a good soapy shower and put all clothing worn while spraying in the laundry after spraying is complete.



OPERATING

Use Chemicals Safely

- DO NOT use flammable liquids.
- Chemicals can be dangerous. Improper selection or use can injure persons, animals, plants, soil or other properties
- Follow directions for each specific chemical.
- Add chemicals to water—not water to chemicals.
- Never allow the water hose that is used to fill the tank to actually reach down into the spray mix. You may “contaminate” the end of the hose.
- A very important part of spraying is understanding what to do with left-over or excess spray mix. It is best to dilute the remaining material with water and then apply it in the diluted form to the area sprayed. **NEVER ‘DUMP’ THE MATERIAL IN A DRAIN OR NEAR A LAKE OR STREAM.**
- A good procedure for cleaning your unit is the “triple rinse” method. This means that you rinse, and spray three (3) rinses of water. This generally provides an adequate cleaning for your unit.
- Your spray dealer can tell you which sprays need to be followed by a spray neutralizer material. This is very important if you spray fruit trees as well as weeds, etc.



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OPERATING

Dispose Of Chemicals Safely

- Proper disposal of excess spray material is very important. If you have excess spray material, it is best to dilute it with water and spray it on the area you previously sprayed.
- Never DUMP material in a drain or near a lake or stream.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. See your Chemical Spray dealer for the MSDS on chemical products used with your machine.



Lifting Portable Sprayer Safely

- Use caution when lifting the portable sprayer to help prevent possible injury.
- When filled with liquid, the 25 gallon portable sprayer weighs 101 kg (222 lbs). Empty tank before attempting to lift.

Transporting Portable Sprayer Safely

- Use caution when transporting the portable sprayer to help prevent possible injury.
- When filled with liquid, the 25 gallon portable sprayer weighs 101 kg (222 lbs). This extra weight on the back of a vehicle, AMT, cart, wheelbarrow, etc. could change the stability of the machine which you chose for transportation.

Transporting Wheeled Sprayer Safely

- Switch OFF on pump.
- 25 Gallon Only: Fold boom extensions in their TRANSPORT position.

OPERATING

General Spraying Information

The best way to plan your spraying job is to first understand the following information about your sprayer. The unit operates at a fixed pressure of 29 kg (65 lbs). This results in actual spraying time of 42 minutes for the 25 gallon unit, and 25 minutes for the 15 gallon unit.

15 Gallon Sprayer Application: The 15 gallon sprayer takes 12 minutes to empty the tank using the spray boom. Plan on driving about 3 mph or 264 ft. per minute. That gives you 15,840 square ft. of spray coverage per tank. Plan on about 10 per cent overlap, so put enough chemical in the tank for 14,000 square ft. of spray coverage.

25 Gallon Sprayer Application: The 25 gallon sprayer takes 16 minutes to empty the tank using the spray boom. Plan on driving 2.5 mph or 220 ft. per minute. That gives you 26,400 square ft. of spray coverage per tank. Plan on about 10 per cent overlap, so you should put enough chemical in the tank to spray 24,000 square ft. of spray coverage.

Example: The first thing you should do is step off the area to be sprayed to get a good idea of the area to be covered.

If it is 15,000 square ft., and you are applying a weed killer at the rate of 4 ounces per 1000 square ft., then you will need 60 ounces of killer chemical.

If you are using a 15 gallon unit it will effectively cover about 14,000 square ft. per tank of spray. You will need to spray one full tank, and then mix a second fill for the remaining 1000 square ft. of area.

If you want to spray trees or shrubs follow the directions on the spray material that will usually tell you how much water to use, and the concentration of spray material.

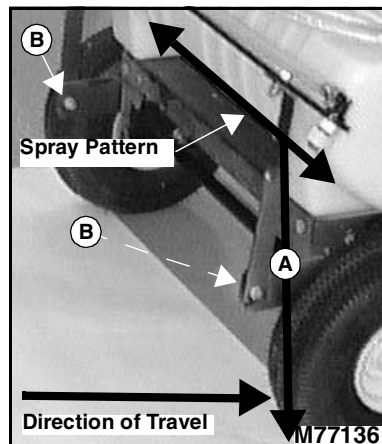
BE SURE TO READ YOUR OPERATOR'S MANUAL ON SPRAY SAFETY.

OPERATING

Adjusting Tip Height And Width

NOTE: Photos are of the 15 Gallon Sprayer. Sprayer should be attached to tractor for this adjustment.

1. The sprayer tips should be 432 mm (17 in.), (Dimension A), from the ground and perpendicular with the direction of travel.
2. After you have obtained the correct tip height and width, make sure you tighten hex nut (B) on each boom support.
3. Test spray pattern with water on driveway or sidewalk.



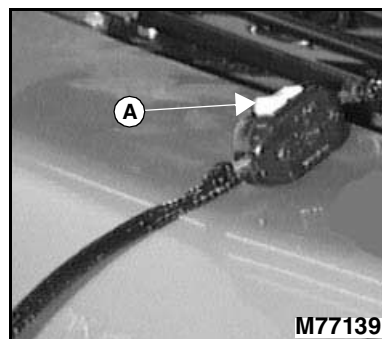
Starting And Stopping Sprayer



CAUTION: Before you leave sprayer, disconnect pump connection.

1. Push switch (A) to ON or OFF position to START or STOP sprayer.

IMPORTANT: Sprayer will start when tractor IS NOT running. Start tractor to avoid running down battery.



OPERATING

Using Handgun And Boom Nozzles

NOTE: The shut-off valve lever on the sprayer has three positions:

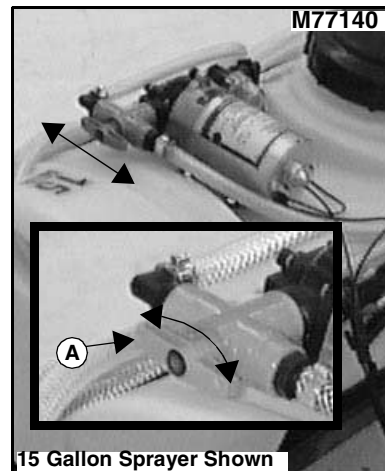
- **OFF POSITION: Lever is in the VERTICAL position.**
- **HANDGUN POSITION**
- **BOOM POSITION.**

The arrow on the lever shows which direction the flow is directed.

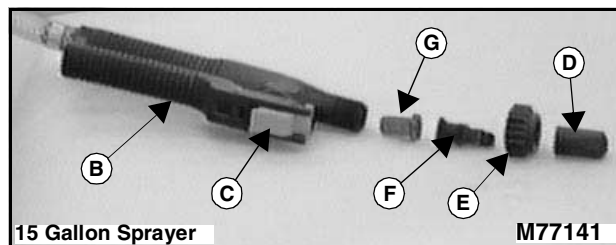
1. To shut off spray to the boom nozzles: Turn lever (A) so that the arrow on the lever points to the front end of sprayer. You can now use the handgun for spraying.

- To shut off spray to the handgun: Turn lever (A) so that the arrow on the lever points to the rear end of sprayer. You can now use the boom nozzles for spraying.

NOTE: The longer handgun is used on the 25 Gallon Sprayer only.

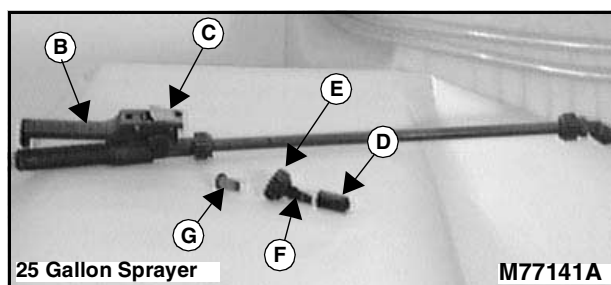


2. Squeeze handle (B) to spray.
3. To lock handle in "ON" position, push lock (C) forward.
4. Spray pattern is adjustable by turning cap (D).
5. Remove cap (D), nut (E), tip (F) and filter (G) for cleaning.

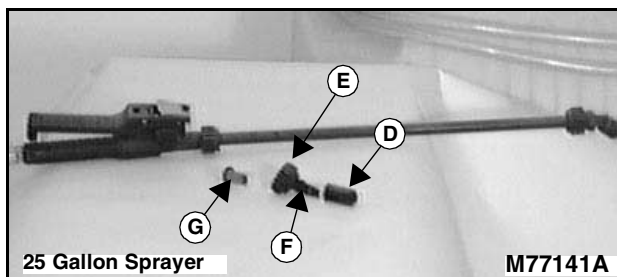
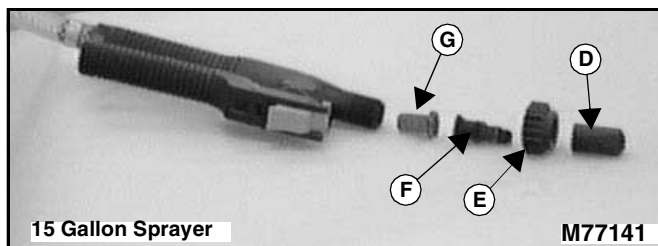


OPERATING

6. Squeeze handle (B) to spray.
7. To lock handle in "ON" position, push lock (C) forward.
8. Spray pattern is adjustable by turning cap (D).
9. Remove cap (D), nut (E), tip (F) and filter (G) for cleaning.



10. Put filter (G) in gun handle first.
11. Put tip (F) in nut (E) and install on end of handgun and tighten.
12. Put cap (D) on handgun and tighten or loosen as necessary to get the proper spray pattern.

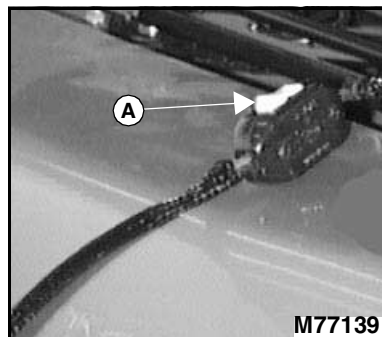


OPERATING

Adjusting Pump

1. Park tractor where spray will do no damage.
2. STOP engine.
3. Push switch (A) to ON.

IMPORTANT: Stop turning wrench as soon as pump runs smoothly, or you may damage pump.



4. Turn allen wrench clockwise until pump runs smoothly.

IMPORTANT: Start tractor when you use sprayer to avoid running down battery.



OPERATING

Spraying Tips

**CAUTION:**

Help avoid chemical injury:

- **Wear protective clothes, gloves and goggles.**
- **DO NOT use flammable chemicals.**
- **Follow chemical manufacturer's directions.**

Check sprayer tip height. Dimension should be 432 mm (17 in.). If not, adjust sprayer tip height before operating. (See Adjusting Tip Height And Width in this section.)

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.

IMPORTANT: Sprayer will start when tractor is not running. Start tractor to avoid running down battery.

Stop sprayer when tank is empty.

REPLACEMENT PARTS

WE RECOMMEND JOHN DEERE quality parts and lubricants, available at your John Deere dealer.

PART NUMBERS MAY CHANGE, use part numbers listed below when you order. If a number changes, your dealer will have the latest number.

WHEN YOU ORDER PARTS, your John Deere dealer needs your machine serial number. This is the number you have recorded on the inside front cover of this manual.

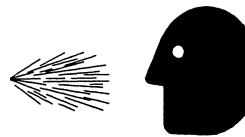
ITEM	PART NUMBER
Tip Strainer	AM106667
Fuse	AT39227

(Part numbers are subject to change without notice. Part Numbers may be different outside the U.S.A.)

SERVICE MACHINE SAFELY

Practice Safe Maintenance

- Understand service procedure before doing work. Keep area clean and dry.
- Never lubricate or service machine while it is moving. Keep safety devices in place and in working condition. Keep hardware tight.
- To prevent them from getting caught, keep hands, feet, clothing, jewelry, and long hair away from any moving parts.
- Before you service, adjust, clean or inspect sprayer:
 - STOP the vehicle engine.
 - Turn sprayer switch OFF.
 - Disconnect pump connection.
- Securely support any machine elements that must be raised for service work.
- Never run vehicle engine unless park brake is locked.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.
- Unauthorized modifications to the machine may impair its function and safety.
- If spray comes in contact with your body, immediately follow directions on chemical container pertaining to spray material.
- Keep spare filters available for replacement.



SERVICE MACHINE SAFELY

Wear Appropriate Clothing

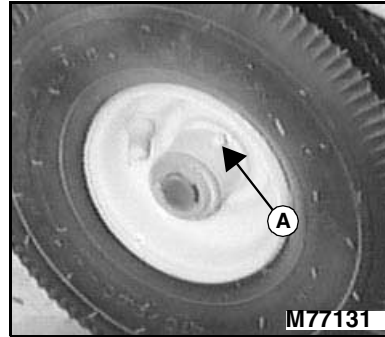
- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while servicing the machine. Safe servicing requires your full attention.



SERVICE

Greasing Wheels

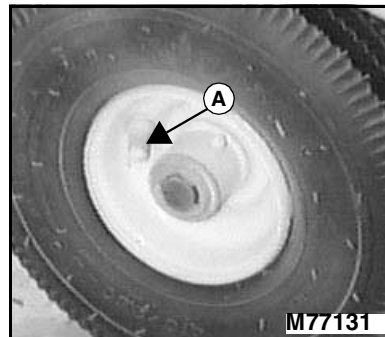
Grease wheels at point (A) with John Deere multipurpose grease or an equivalent.



Checking Tire Pressure

Check tire pressure at point (A).

- Tire pressure should be 207 kPa (30 psi).
- Tire Size: 4.10 x 3.50 - 4 (Maximum load 118 kg (260 lbs)).

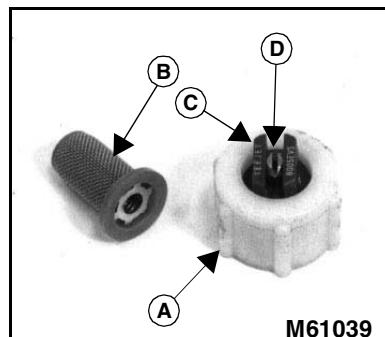


Cleaning Spray Nozzle

1. Remove spray nozzle (A) from sprayer.
2. Disassemble filter (B) and spray tip (C).

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

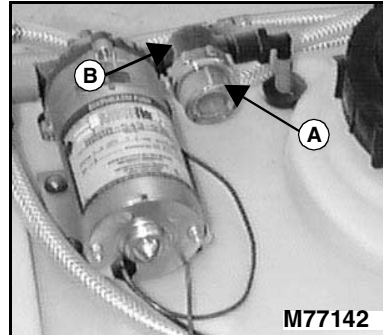
3. Wash filter and spray tip in a non-flammable solvent.
4. Put spray tip in spray nozzle.
5. Put flat side of filter in spray nozzle.
6. Install assembly on sprayer and tighten nozzle.



SERVICE

Cleaning Pump Filter

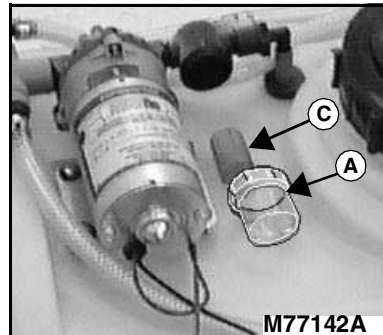
1. Remove filter cover (A) from filter body (B).



2. Remove screen (C) and wash in liquid detergent and warm water.
3. Put screen in filter cover and install on filter body.

NOTE: Make sure filter cover gasket is in position.

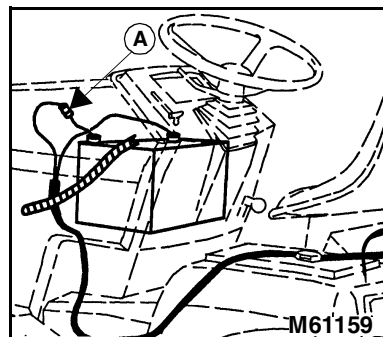
4. Tighten cover.



Changing Fuse

IMPORTANT: Use only 15 amp fuse. Do not run sprayer without fuse.

1. Open tractor hood.
2. Hold each end of fuse holder (A) located on positive battery terminal.
3. Twist holder open.
4. Remove fuse.
5. Install new fuse.
6. Twist holder closed.
7. Close tractor hood.



TROUBLESHOOTING

Using Troubleshooting Chart

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

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

IF	ACTION
PUMP LOSES SUCTION	Clean pump filter. Install filter. Make sure filter gasket is in place.
	Check tank fill level. Fill tank.
	Clean or replace pump.
	Check for loose pump fittings.
PUMP CAPACITY DECREASED	Clean pump filter. Install filter. Make sure filter gasket is in place.
	Clean spray nozzle(s).
	Selection lever is not completely turned on, or is in the OFF position.
POOR SPRAY PATTERN	Clean spray nozzle(s).
	Adjust nozzle height.
	Adjust spray direction perpendicular to the travel direction.
PUMP VIBRATES OR SPRAY PULSATES	Adjust pump.

TROUBLESHOOTING

IF	ACTION
PUMP DOES NOT WORK	Check wiring connections.
	Check tractor battery.
	Clean debris from pump.
	Check pump switch.
	Check pump motor.
	Check fuse at battery.

STORING MACHINE

Store Machine Safely



CAUTION:



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.
2. Flush tank with water.
3. Rinse tank thoroughly with a solution of household ammonia and water.
4. Flush again with clear water.
5. Wipe out sump with a clean cloth or paper towel.
6. Drain hoses and pump filter.
7. Remove wiring harness from tractor.
8. Fold in boom extensions (25 Gallon Sprayer Only).
9. Remove sprayer from tractor. See Removing Sprayer in the Removing section.
10. Check sprayer for worn or damaged parts. Replace parts as needed.
11. Tighten loose hardware.
12. STORE SPRAYER IN A PLACE WHERE IT WILL NOT FREEZE.

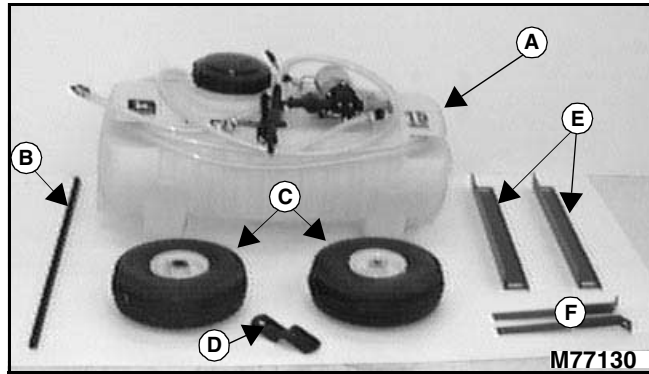


25 Gallon Sprayer

M78365

ASSEMBLY

Identify Parts (15 Gallon Sprayer)



A – 15 Gallon Sprayer Base Unit (Tank with pump and hoses attached.)

B – Axle

C – (2) Wheels

D – Hitch Clevis

E – (2) Tank Supports

F – (2) Boom Supports

G – Main Boom

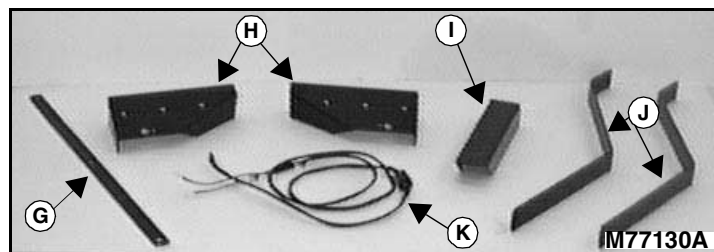
H – (2) End Plates

I – Hitch Extension

J – (2) Hitch Supports

K – Wiring Harness

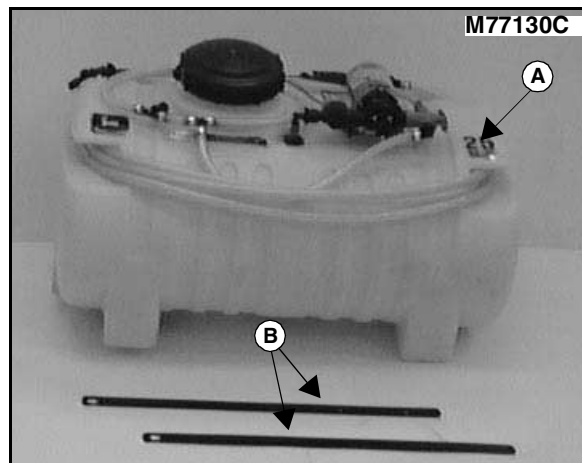
Bags of Parts



ASSEMBLY

Identify Parts (Wheeled Model) (25 Gallon)

The 25 gallon sprayer parts are the same as the parts listed on the previous page for the 15 gallon sprayer except for the parts listed below.



A – 25 Gallon Sprayer Base Unit (Tank with pump and hoses attached.)
--

B – (2) Boom Extensions

ASSEMBLY

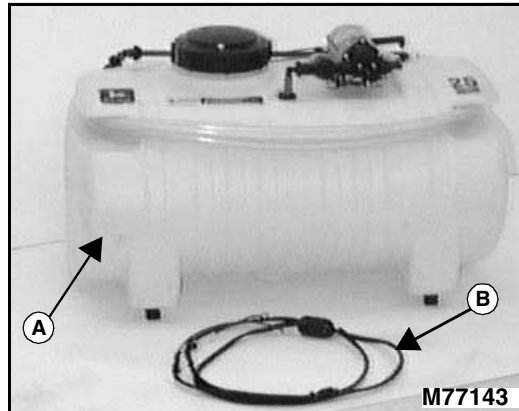
Bags Of Parts

The following parts are in the bags of parts. These parts are the same for both the 15 Gallon Sprayer and the 25 Gallon Sprayer excluding the 25 Gallon Portable Sprayer unless noted differently.

Qty. Used	Part Description	Size
25	Cap Screws	M8 x 25
25	Hex Nuts	M8
25	Lock Washers	M8
2	Truss Head Bolts	M8 x 12 (25 Gallon Only)
2	Elastic Lock Nuts	M8 (25 Gallon Only)
4	Flange Head Cap Screws	5/16 x 3/4-in.
5	Flat Washers	3/8-in.
4	Spacer Washers	3/4-in.
1	Tethered Chain Assembly	Includes hitch pin, chain, spring locking ring and spring locking pin.
2	E-Snap Rings	
2	Spacers	
2 3	Spray Tip Nuts (15 Gallon) Spray Tip Nuts (25 Gallon)	
2 3	Spray Tip Cap Nuts (15 Gallon) Spray Tip Cap Nuts (25 Gallon)	
2 3	Spray Tip Strainers (15 Gallon) Spray Tip Strainers (25 Gallon)	
2 3	Spray Tips (15 Gallon) Spray Tips (25 Gallon)	

ASSEMBLY

Identify Parts (Portable Model)



A – 25 Gallon Sprayer Base Unit (Tank with pump and hoses attached.)
--

B – Wiring Harness

NOTE: Tools needed to assemble either the 15 Gallon or the 25 Gallon Sprayer are:

- Two 13 mm Wrenches
- One 1/2-in. Wrench

All photos taken for this section are of the **15 Gallon Sprayer**.

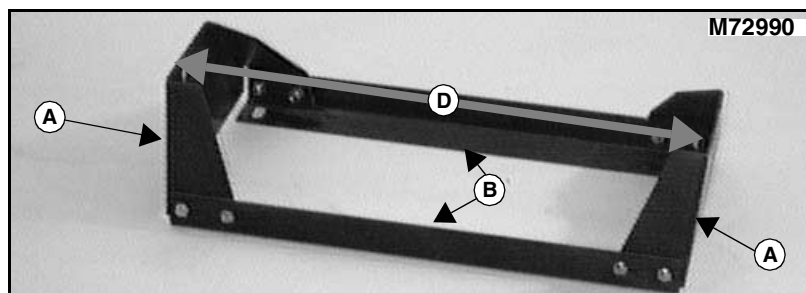
When an application was for only the **15 Gallon Sprayer** or the **25 Gallon Sprayer** it was indicated either in the heading or in the photo itself.

ASSEMBLY

Assemble End Plates To Tank Supports (15 Gallon Sprayer)

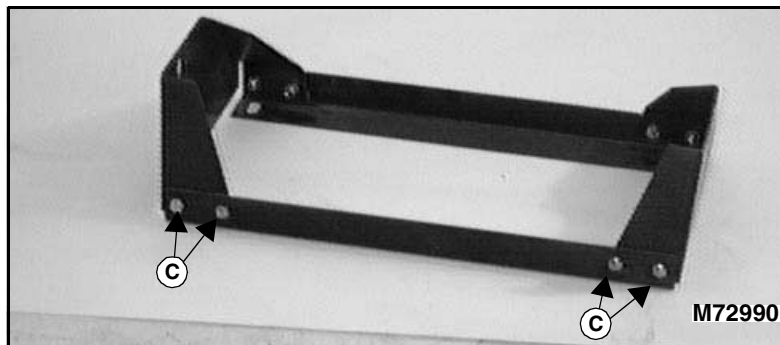
1. Install end plates (A) to the tank supports (B).

IMPORTANT: Slots in tank support (B) **MUST BE** assembled to the inside of end plates (A).



NOTE: Install nuts to the inside.

2. Fasten with eight M8 x 25 cap screws (C), (four on each side) lock washers and hex nuts.

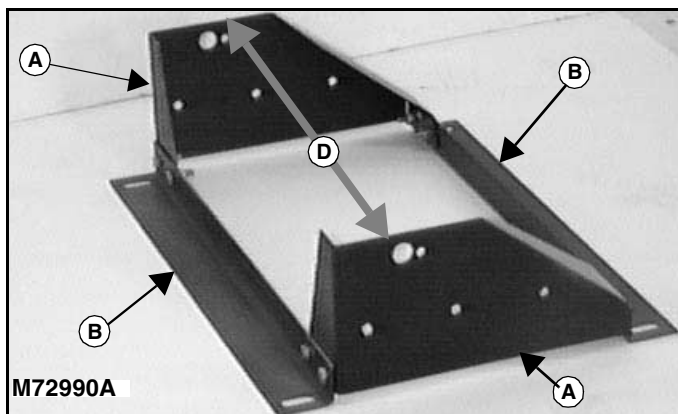


3. Tighten the four nuts on the outside corners first.
4. Measure frame width at the axle mounting holes. Dimension (D) should be 533 mm (21 in.) to the outside of the frame plates.
5. Tighten the four remaining nuts.

ASSEMBLY

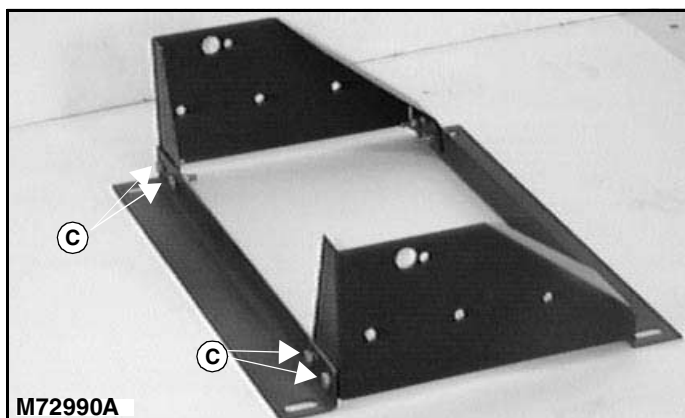
Assemble End Plates To Tank Supports (25 Gallon Sprayer)

1. Install end plates (A) to the outside of tank supports (B).



NOTE: Install nuts to the inside.

2. Fasten with eight M8 x 25 cap screws (C) (four on each side), lock washers and hex nuts.



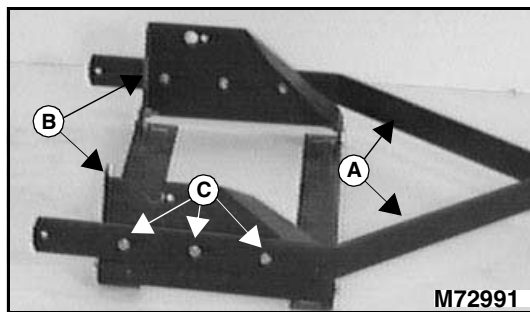
3. Tighten the four nuts on the outside corners first.
4. Measure frame width at the axle mounting holes. Dimension (D) should be 533 mm (21 in.) to the outside of the frame plates.
5. Tighten the four remaining nuts.

ASSEMBLY

Assemble Hitch Supports To End Plates And Drawbar To Hitch Supports

NOTE: Install nuts to the inside.

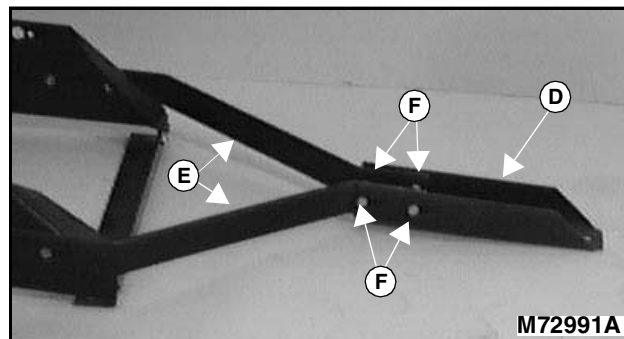
1. Install each hitch support (A) to each end plate (B) and fasten with six M8 x 25 cap screws (C) (three on each side), lock washers and hex nuts.



NOTE: Install nuts to the inside.

2. Install drawbar (D) with hitch supports (E) inside of channel and fasten with four M8 x 25 cap screws (F), lock washers and hex nuts.

3. Tighten ten nuts.



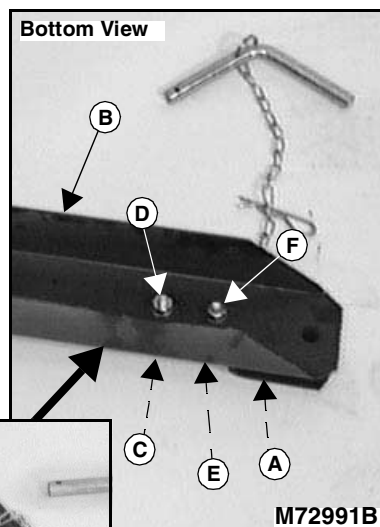
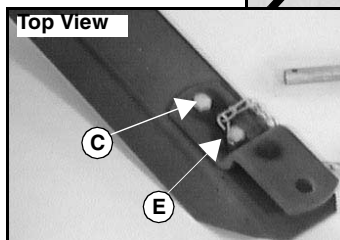
ASSEMBLY

Assemble Clevis To Drawbar

NOTE: Install nuts to the inside.

1. Install clevis (A) on hitch (B).

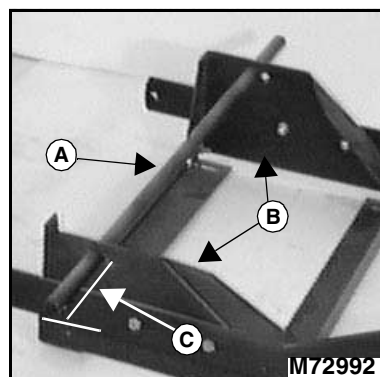
- **Hole closest to sprayer gets M8 x 25 cap screw (C):** Put through clevis and hitch. Fasten with lock washer and nut (D).
- **Hole closest to tractor gets M8 x 25 cap screw (E):** Put through S-hook on tethered chain, clevis, and hitch. Fasten with lock washer and nut (F).



Install Axle In End Plates

1. Install axle (A) in holes in end plates (B).

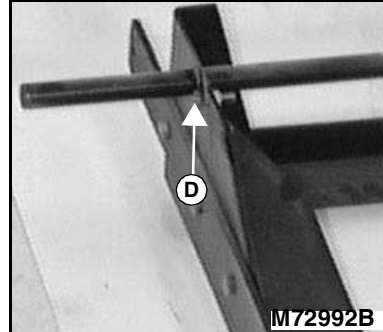
2. Center axle in frame so there is about 121 mm (4-3/4-in.), Dimension (C), of axle sticking out of each side.



ASSEMBLY

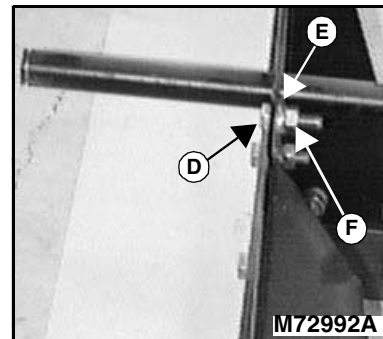
3. Put M8 x 25 cap screw (D) through hole in end plate.

NOTE: This screw is installed on one side only. It does not make any difference which side you install the cap screw.



4. Put flat washer (E), lock washer and hex nut (F) on cap screw.

NOTE: The flat washer and hex nut need to be to the inside of the frame. The bolt should be completely tight resulting in the washer wedging against the axle to keep it from turning.

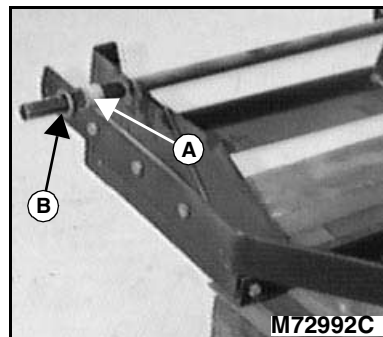


5. Tighten hex nut.

Install Wheels

NOTE: Grease axle before installing wheels.

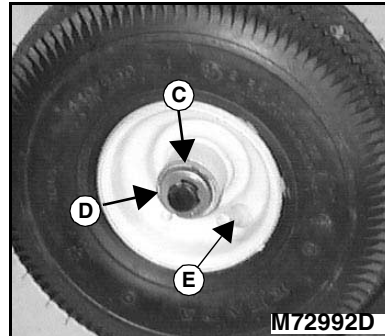
1. Put one spacer (A) and flat washer (B) on axle.



ASSEMBLY

IMPORTANT: Assemble wheel so tire valve stem and grease fitting are facing outward.

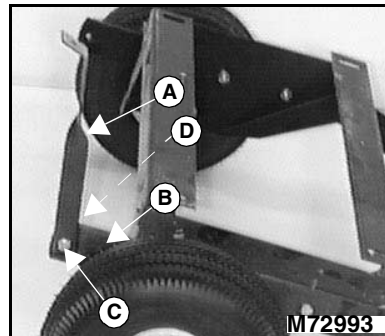
2. Put one wheel, one flat washer (C) and E-ring (D) on axle.
3. Repeat above steps for the other side of axle.
4. Grease wheels at zerks (E) until grease shows on inside or outside of shaft.



Assemble Spray Boom Supports To Tank Supports

NOTE: Install nuts to the inside.

1. Turn sprayer frame right side up.
2. Install boom support (A) to tank support (B) with one M8 x 25 cap screw (C), lock washer and hex nut (D).
3. Tighten nut.
4. Repeat above steps for the other side.

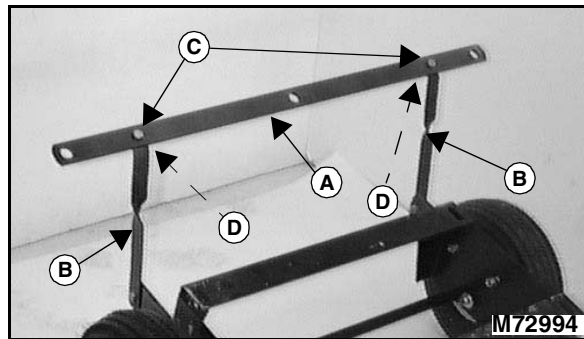


ASSEMBLY

Assemble Spray Boom To Spray Boom Supports (15 Gallon Sprayer)

NOTE: Install nuts to the inside.

1. Put spray boom (A) on spray boom supports (B) and fasten with two M8 x 25 cap screws (C), lock washers and hex nuts (D).
2. Tighten hex nuts.

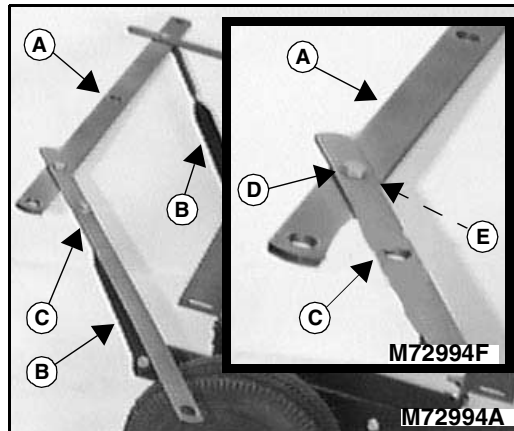


Assemble Spray Boom To Boom Supports And Spray Boom Extensions To Main Boom (25 Gallon Sprayer)

NOTE: Install nuts to the inside.

1. Put spray boom (A) on spray boom supports (B).
2. Put each boom extension (C) on top of spray boom and fasten with two M8 x 25 bolts (D) and elastic lock nuts (E).
3. Tighten nuts until they are snug.

NOTE: Boom extensions should fold in easily.

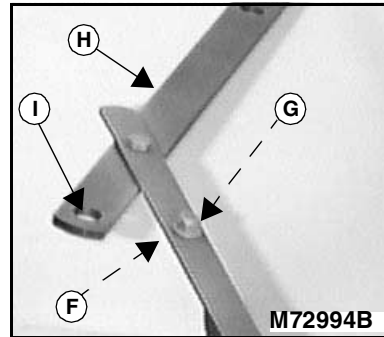


ASSEMBLY

4. Make sure bolt head is underneath and nut is on top.

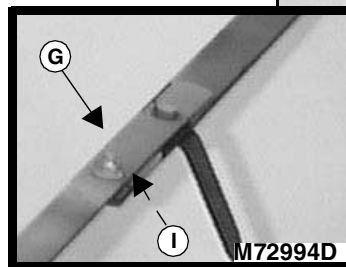
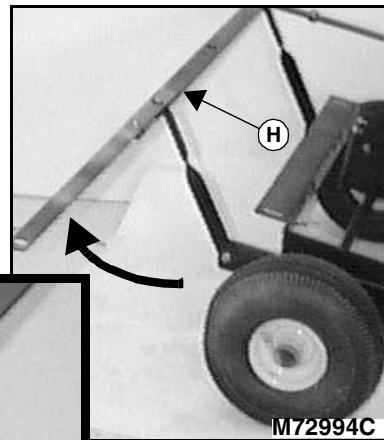
5. Install two M8 x 12 truss head bolts (F), lock washers, and nuts (G).

6. Tighten nuts.



7. Move each extension to the rear so they are in line with the main boom (H).

8. Secure in place by putting head of truss head bolt in hole (I) on main boom.

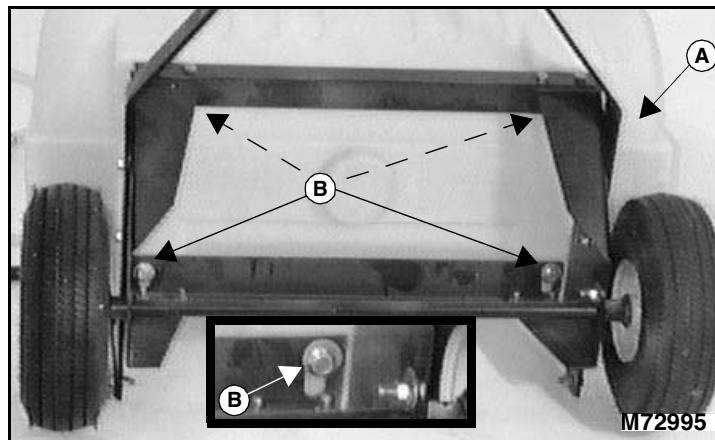


ASSEMBLY

Assemble Sprayer Tank To Sprayer Frame

IMPORTANT: Assemble tank so “leaping deere” and “gallon” labels are on rear of sprayer.

1. Position sprayer frame on rear end.
2. Put sprayer tank (A) on sprayer frame and fasten with four 5/6 x 3/4-in. flange head cap screws and flat washers (B).
3. Tighten four cap screws.



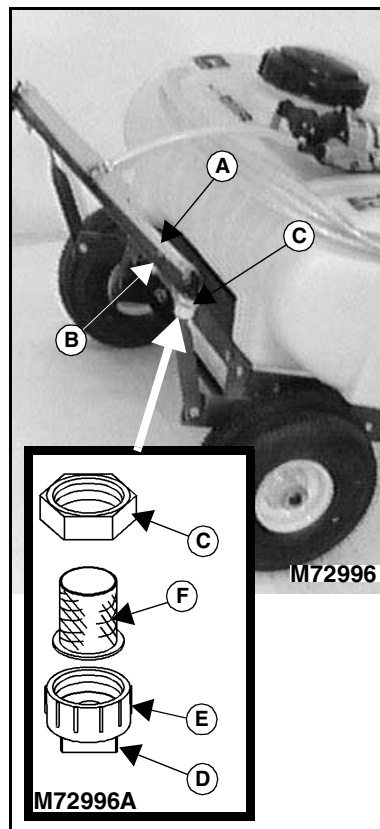
ASSEMBLY

Install Boom Hose Assembly (15 Gallon Sprayer)

1. Put one end of hose assembly (A) in hole in boom (B).
2. Install and tighten fitting lock nut (C).
3. Install spray tip (D) in cap nut (E).
4. Put flat side of strainer (F) on top of spray tip.

NOTE: Make sure spray tip sets crossways to the direction of travel in the cap nut.

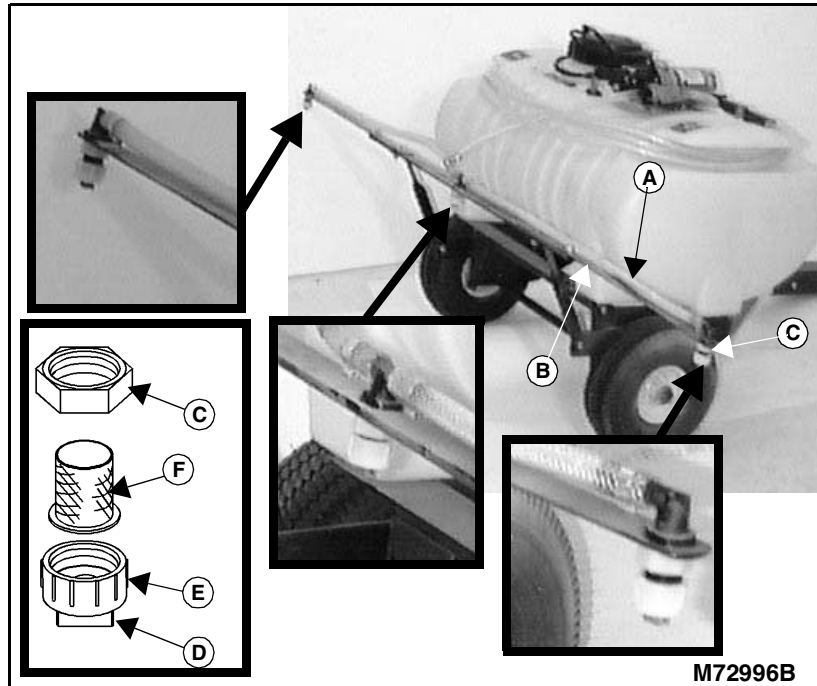
5. Turn fitting cap nuts onto end of hose assembly.
6. Repeat the above steps for the other end of hose assembly.
7. Adjust tip height and width. See the Operating section.



ASSEMBLY

Install Boom Hose Assembly (25 Gallon Sprayer)

1. Put one end of hose assembly (A) in hole in boom (B).
2. Install and tighten fitting lock nut (C).



3. Install spray tip (D) in cap nut (E).
 4. Put flat side of strainer (F) on top of spray tip.
- NOTE: Make sure spray tip sets crossways to the direction of travel in the cap nut.**
5. Turn fitting cap nuts onto end of hose assembly.
 6. Repeat the above steps for the middle hose assembly and the other end of hose assembly.
 7. Adjust tip height and width. See the Operating section.

SPECIFICATIONS

Model 15 Gallon Wheeled Sprayer

Tank	15 gallon (57 L)
Pump:	
• Type	Electric Motor and Diaphragm
• Manufacturer	Shurr Flo
• Current Draw	7 amp
• Fuse	15 amp
Spray Rate	1.25 U.S. gal./min. (4.8 L/min.)
Suction Hose Strainer	Stainless Steel
Spray Tip Material	Two 90° Stainless Steel
Handgun Material	Plastic
Handgun Adjustment	Fan To Stream
Unit Weight (Empty)	55 lbs. (25 kg)
Unit Weight (Full)	175 lbs (79 kg)

Model 25 Gallon Sprayers (Wheeled And Portable)

Tank	25 gallon (95 L)
Pump:	
• Type	Electric Motor and Diaphragm
• Manufacturer	Shurr Flo
• Current Draw	7 amp
• Fuse	15 amp
Spray Rate	1.56 U.S. gal./min. (5.9 L/min.)
Suction Hose Strainer	Stainless Steel
Spray Tip Material	Three 90° Stainless Steel
Handgun Material	Plastic
Handgun Adjustment	Fan To Stream

SPECIFICATIONS

Model 25 Gallon Sprayers Continued: (Wheeled And Portable)

Unit Weight (25 Gallon)(Empty)	62 lbs. (28 kg)
Unit Weight (25 Gallon)(Full)	262 lbs. (119 kg)
Unit Weight (25 Gallon Portable)(Empty)	22 lbs (20 kg)
Unit Weight (25 Gallon Portable)(Full)	222 lbs (101 kg)

NOTES

JOHN DEERE SERVICE LITERATURE

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		100.00 and over	4% of sub total	

NOTES



QUALITY DOESN'T END WHEN YOU INVEST IN A DEERE

John Deere equipment is more than just a purchase, it's an investment in quality. That quality goes beyond our equipment to your John Deere dealer's parts and service support. This support is needed to keep you a satisfied customer.

That's why John Deere has initiated a process to handle your questions or problems, should they arise. The following three steps will help guide you through the process.

Step 1 Refer to your operator's manual

- A. It has many illustrations and detailed information on the safe and proper operation of your equipment.
- B. It gives troubleshooting procedures, and specification information.
- C. It gives ordering information for parts catalogs, service and technical manuals.
- D. If your questions are not answered in the operator's manual, then go to Step 2.

Step 2 Contact your dealer

- A. Your John Deere dealer has the responsibility, authority, and ability to answer questions, resolve problems, and fulfill your parts and service needs.
- B. First, discuss your questions or problems with your dealer's trained parts and service staff.
- C. If the parts and service people are unable to resolve your problem, see the dealership manager or owner.
- D. If your questions or problems are not resolved by the dealer, then go to Step 3.

Step 3 Call the John Deere Customer Communications Center

- A. Your John Deere dealer is the most efficient source in addressing any concern, but if you are not able to resolve your problem after checking your operator's manual and contacting your dealer, call the Customer Communications Center.
- B. For prompt, effective service, please have the following ready before you call:
 - The name of the dealer with whom you've been working.
 - Your equipment model number.
 - Number of hours on machine (if applicable).
 - Your 13-digit serial number which you recorded on the inside front cover of this manual.
 - If the problem is with an attachment, your attachment identification number.
- C. Then call 1-800-537-8233 and our advisor will work with your dealer to investigate your concern.

