

15-Gallon Sprayer (Serial No. 130001-)



JOHN DEERE

OPERATORS MANUAL

15-Gallon Sprayer
(Serial No. 130001-)

OMM120496 K3 English

John Deere
Lawn & Grounds Care Division
OMM120496 K3
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.

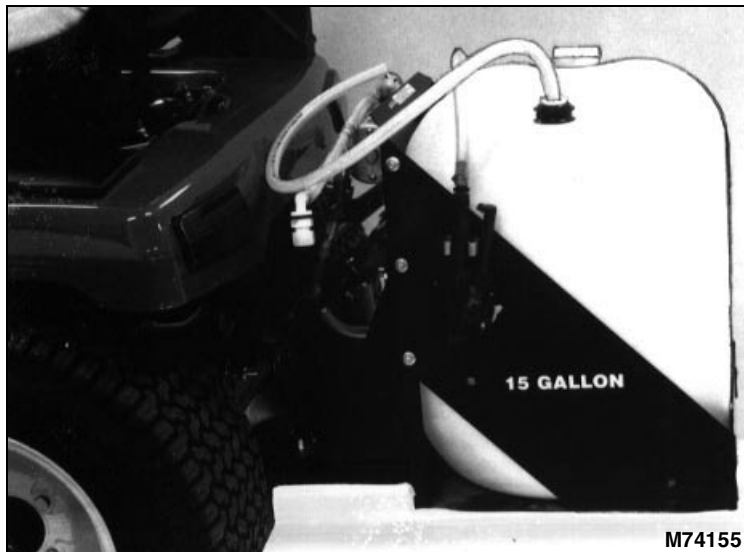
Measurements in this manual are U.S. customary units and their metric equivalents. RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward.

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.

Date of Purchase:

Dealer Name:

Phone:



Tractor with Mounting Kit Shown

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.

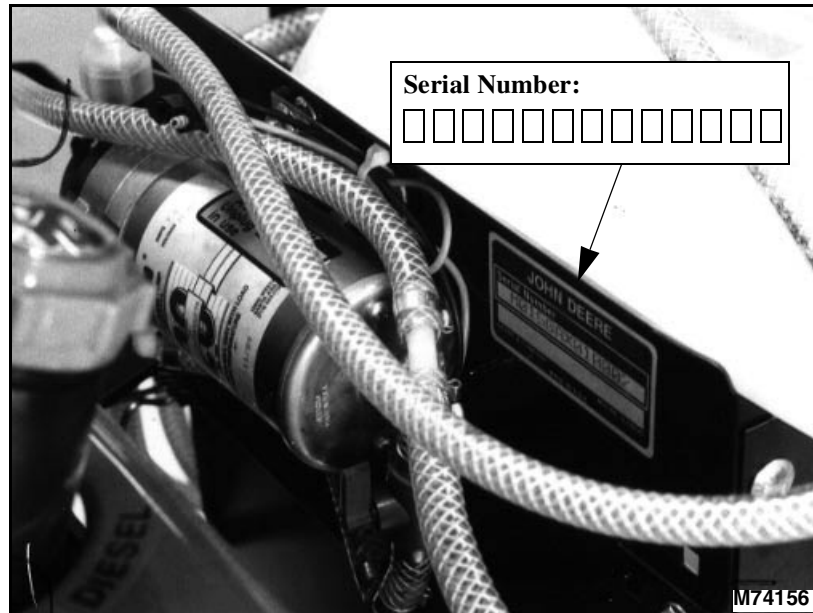


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NOTES

NOTES

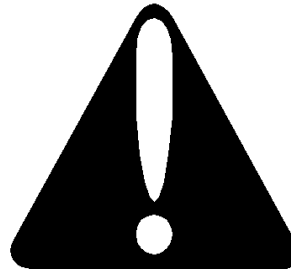
NOTES

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 Label



M61040



M74157

PREPARING THE VEHICLE

Tractor Requirements

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



CAUTION: Minimum of one 42 pound front end weight is required to obtain adequate stability.

Tractor weights improve stability. Add front weights for better front-end stability and steering.

Tractor requires the following:

- 12-Volt Battery and Alternator
- Drawbar
- Trail Kit (OR)
- Mounting Kit (C)
- Wiring Harness Extension (330, 322 and 332 Tractors). Order from your John Deere dealer.

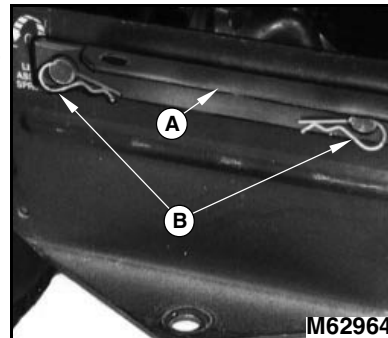
NOTE: Weight is not required when sprayer is mounted on Trail Kit.

Install Tractor Anchor – Required When Attaching Mounting Kit

NOTE: Anchor IS NOT used on tractors with rear rockshaft.

Model 240, 260, 265 or 285 Tractors:

Fasten anchor (A) to tractor drawbar with two 3/4 in. drilled pins and two 2-7/8-in. spring locking pins (B).



265 Tractor Shown

PREPARING THE VEHICLE

Model 110, 112 Lawn and Garden Tractors and 200, 208, 210, 212, 214 and 216 Lawn and Garden Tractors:

1. Clamp anchor flush with top of frame and 1.3-in. (33 mm) in front left side of frame.



CAUTION: Use caution when drilling holes through frame of tractor. Some tractor models have fuel tank located directly behind tractor frame.

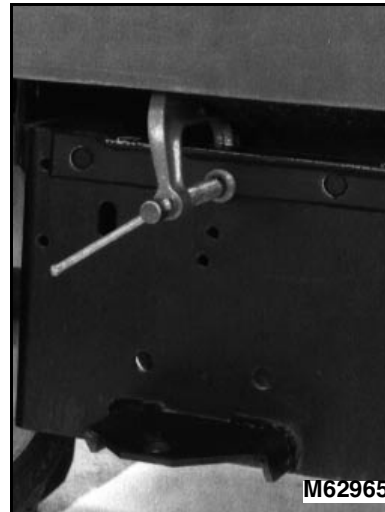
2. Mark and drill two 3/8-in. holes.

- Locate each hole down 1-in. (25 mm) from top of frame.

Left Hole Center – 2.3-in. (58 mm) from left side of frame.

Right Hole Center – 2.9-in. (74 mm) from right side of frame.

3. Fasten each end of anchor with a 3/8 x 1-in. bolt, flat washer, lock washer and nut. This hardware is not furnished.



216 Tractor Shown

PREPARING THE VEHICLE

Model 120, 140 Tractors or 300 Series Tractors:

1. Clamp anchor flush with top of frame so center hole is approximately 2 in. (50 mm) front left side of frame.



CAUTION: Use caution when drilling holes through frame of tractor. Some tractor models have fuel tank located directly behind tractor frame.

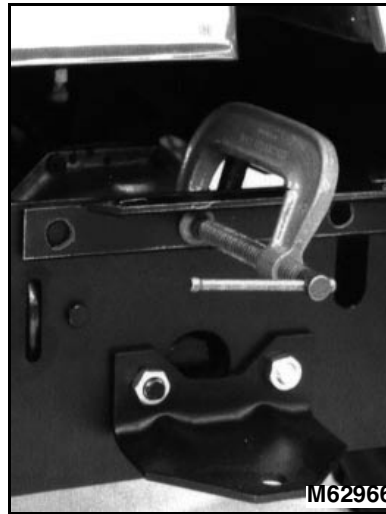
2. Mark and drill two 3/8-in. holes.

- Locate each hole down 1-in. (25 mm) from top of frame.

Left Hole Center – 2 in. (50 mm) from left side of frame.

Right Hole Center – 1-1/4 in. (30 mm) from right side of frame.

3. Fasten each end of anchor with a 3/8 x 1-in. bolt, flat washer, lock washer and nut. This hardware is not furnished.



317 Tractor Shown

INSTALLING

SAFETY

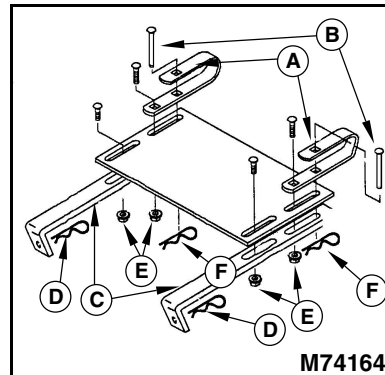
Park Vehicle Safely

- 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 STOP.

Install Stabilizer on Tractor Anchor

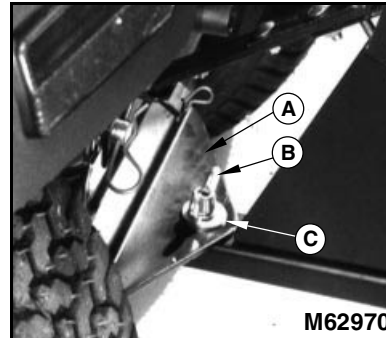
Tractors Without Rear Rockshaft

1. Slide hook straps (A) through slots in anchor on front of sprayer box. Fasten with two 2 in. drilled pins (B) and 1-5/8 in. spring locking pins (F)
2. Place J-straps (C) through slots in tractor anchor and secure with two 1-5/8-in. spring locking pins (D).
3. Tighten lock nuts (E) previously assembled.



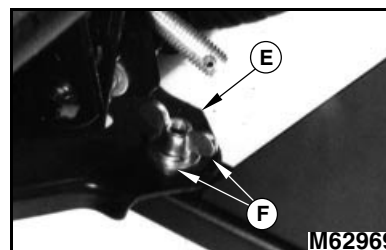
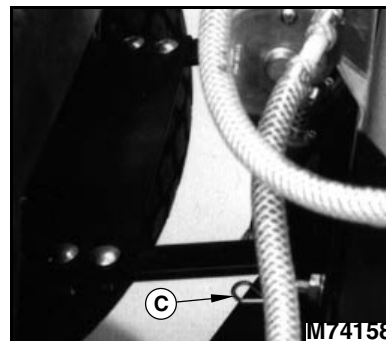
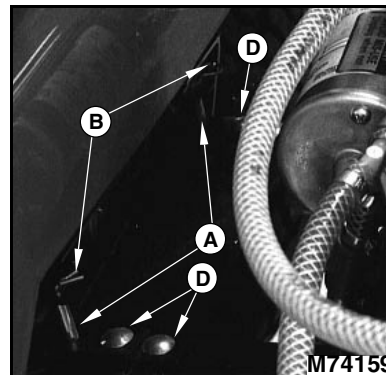
INSTALLING

4. Install drawbar through hitch (A) on tractor.
5. Fasten drawbar with one flat washer (C), lock washer and wing nut (B).
6. Tighten wing nut.
7. Adjust stabilizer. (See **Leveling Tank** in Operating section.)



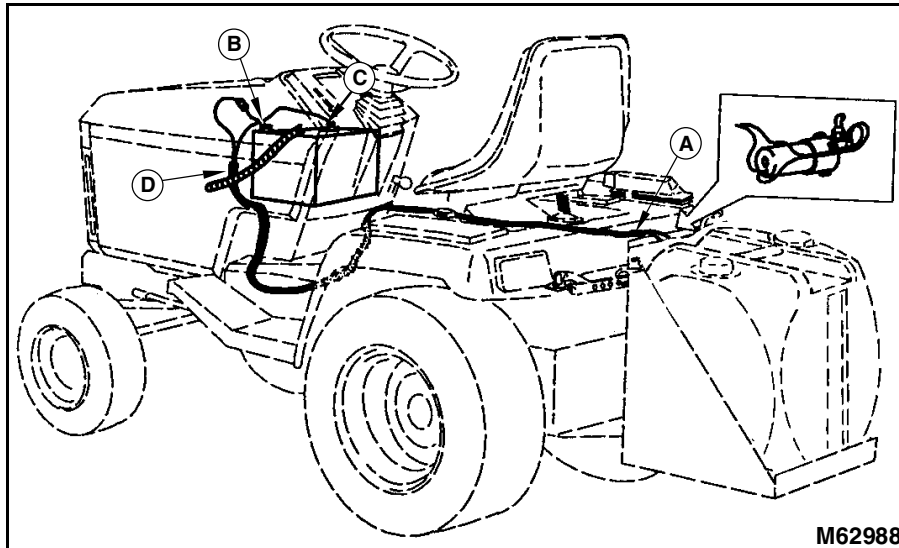
Tractors With Rear Rockshaft

1. Slide hook straps over rockshaft and fasten with two 2-in. drilled pins (A) and two 1-5/8-in. spring locking pins (B).
2. Place J-straps through slots in sprayer anchor and secure with two 1-5/8-in. spring locking pins (C).
3. Install drawbar through hitch (E) on tractor.
4. Fasten drawbar with one flat washer, lock washer and wing nut (F).
5. Tighten wing nut.
6. Adjust stabilizer. (See **Leveling Tank** in Operating section.)
7. Tighten four stabilizer nuts (D).



INSTALLING

Route Wiring Harness – Units Equipped With Mid Battery

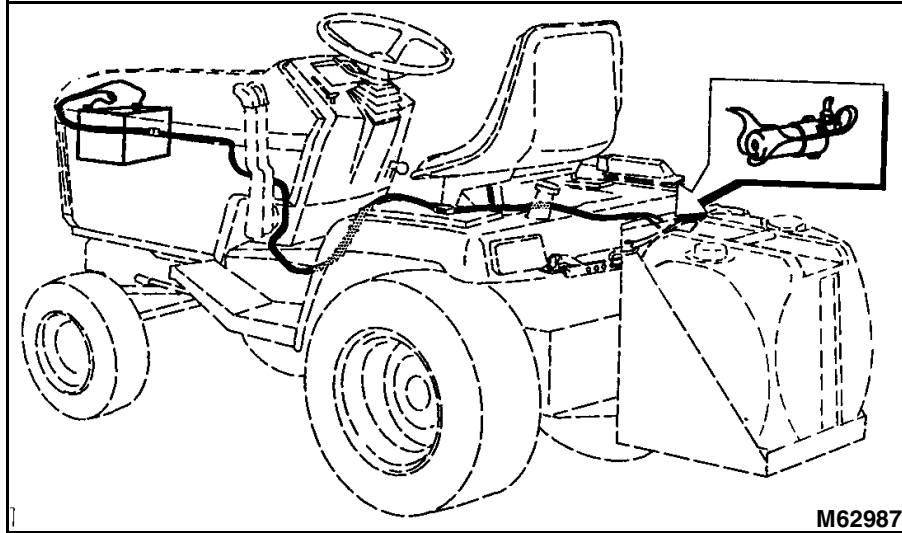


1. Connect short end from switch to pump leads (A).
2. Route harness as shown. On some units route wire on right side of fuel tank filler.
3. Fasten red lead to positive (+) terminal (B).
4. Fasten black lead to negative (–) terminal (C).
5. Connect long end to battery leads (D).

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 short end from switch to pump leads (A).
2. Route wire on right side of fuel tank filler.
3. Fasten red lead to positive (+) terminal (B).
4. Fasten black lead to negative (–) terminal (C).
5. Connect extension (D), not furnished; to long end from switch. Then route extension under forward hood rod and connect it to battery leads.

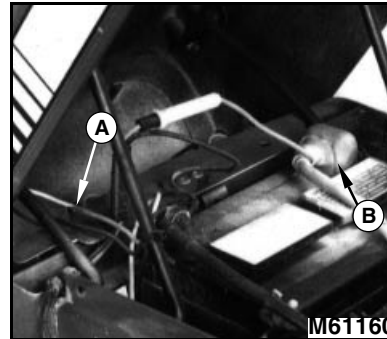
NOTE: MAKE SURE hood does not close on wires or connectors.

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

SAFETY

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 STOP.

Removing Sprayer

1. Empty tank or remove tank.
2. Disconnect wire harness from pump leads.
3. Disconnect stabilizer:

Tractors Without Rear Rockshaft

- Remove spring locking pins from J-straps.
- Pull J-straps out of slots
- Remove wing nut and two washers from drawbar.

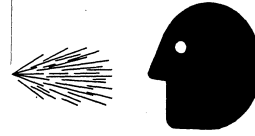
Tractors With Rear Rockshaft

- Remove spring locking pins from J-straps on sprayer end of stabilizer.
 - Remove wing nut and two washers from drawbar.
 - Remove spring locking pins and drilled pins from other end of stabilizer.
 - Remove stabilizer from tractor.
 - Install stabilizer on anchor on sprayer frame with spring locking pins removed above.
4. Disconnect wire harness from battery leads.

OPERATING

SAFETY

Operate Safely



- Check vehicle brake action before you operate. Adjust or service brakes as necessary.
- 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.
- Keep children away from spraying area.
- 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 machine or vehicle.
- DO NOT let children or an untrained person operate machine.
- Do not spray during extreme heat or windy weather.
- Do not use flammable chemicals.
- Select the right chemical for the job. Handle and apply chemicals with care. Follow manufacturer's instructions.
- Do not put nozzle tip or other parts to your lips to blow out dirt.

OPERATING

Wear Appropriate Clothing



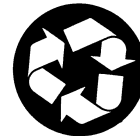
- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.

Use Chemicals Safely



- Chemicals can be dangerous. Improper selection or use can injure persons, animals, plants, soil or other properties
- Follow directions for each specific chemical.

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 John Deere dealer for the MSDS on chemical products used with your machine.

OPERATING

ADJUSTMENTS

Adjusting Tip Height and Width

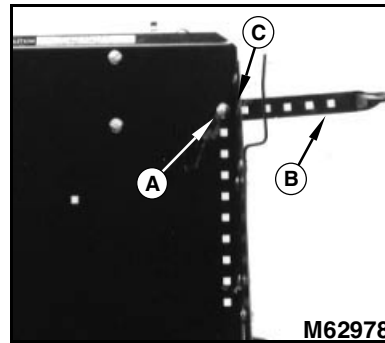
1. Remove tip support (B) by removing bolt (A) and lock nut (C) to adjust tip height and width.

2. Make adjustment by moving bracket either right or left or up or down to desired hole.

3. Insert bolt and lock nut.

4. Tighten nut.

5. Repeat above steps for adjustment on other side.



NOTE: Minor adjustments can be made by pulling tip support (B) UP or pushing tip support (B) DOWN as needed.

6. Run sprayer on dry pavement to check spray width and overlap.

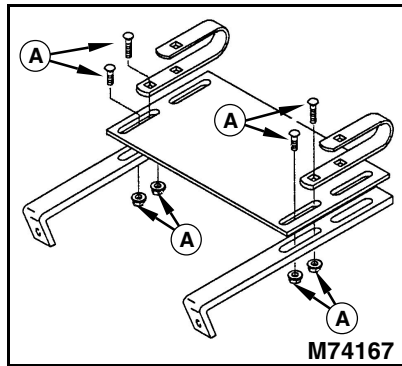
7. Spray should meet in center but not overlap.

Mower Cut In. (mm)	Tip Height In. (mm)	Tip to Tip Width In. (mm)	Travel Speed MPH (KPH)	Travel Distance FT/Min (M/Min)
38 (760)	15 (375)	18 (450)	3.8 (5.3)	337 (100)
46 (1168)	17 (425)	22 (550)	3.2 (4.5)	278 (84)
48 (1219)	18 (455)	24 (600)	3.0 (4.3)	264 (82)
50 (1270)	20 (500)	25 (625)	2.9 (4.1)	256 (81)
54 (1372)	22 (555)	27 (685)	2.7 (3.7)	238 (74)
60 (1525)	24 (600)	30 (750)	2.4 (3.4)	213 (68)

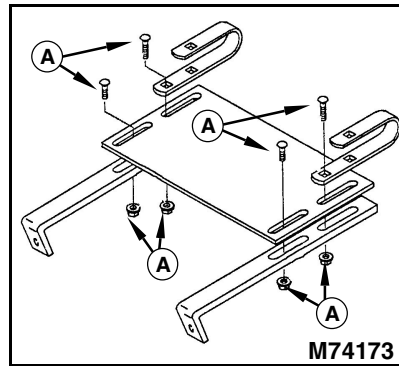
OPERATING

Leveling Tank

IMPORTANT: Stabilizer must be adjusted to support sprayer box. Bottom of frame should be parallel with ground.



Tractors With Rear Rockshaft



Tractors Without Rear Rockshaft

Adjust stabilizer to level tank:

- Loosen bolts and lock nuts (A).
- Slide to desired position in slots on stabilizer bracket.
- Tighten lock nuts.

OPERATING

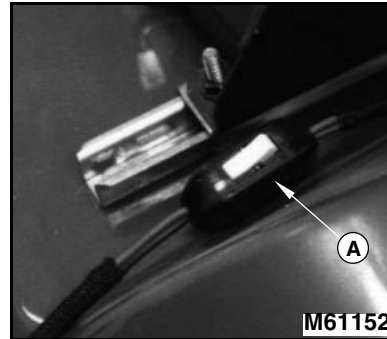
DAILY OPERATING

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.

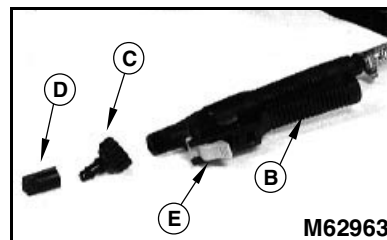
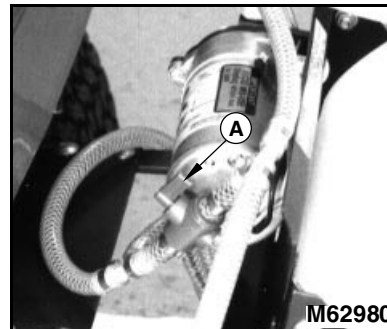
Using Handgun

Turn lever (A) 1/4 turn to shut off spray to nozzles.

Squeeze handle (B) to spray. To lock handle in "ON" position, push lock (E) forward.

Spray pattern is adjustable by turning cap (D).

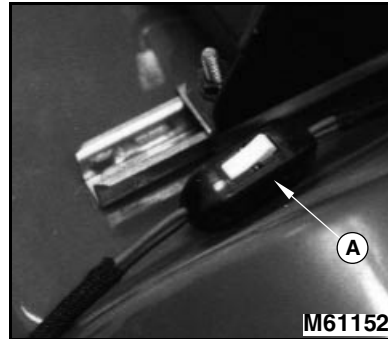
Remove tip (C) and cap (D) for cleaning.



OPERATING

Adjusting Pump

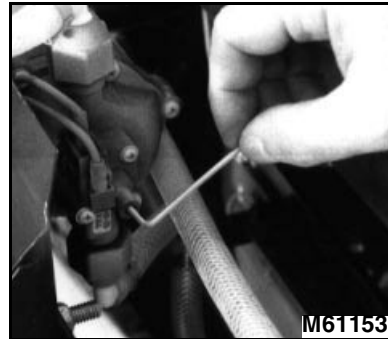
1. Park tractor where spray will do no damage.
2. STOP engine.
3. Push switch (A) to ON.



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

4. Turn allen wrench clockwise until pump runs smoothly.

NOTE: 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.

Adjust sprayer tip height so spray covers width of mower cut.

Do not let sprayer run in one spot.

Do not overspray when you use weedkillers.

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.

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

Stop sprayer when tank is empty.

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

Service Parts

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

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.

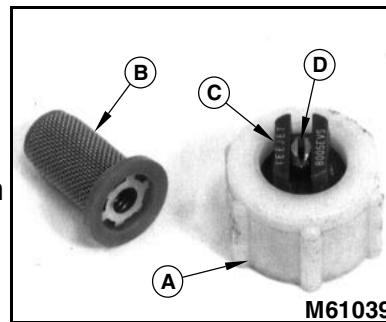
Clean Spray Nozzle

Remove spray nozzle (A) from sprayer.

Disassemble filter (B) and spray tip (C).

NOTE: DO NOT use a wire to clean opening (D) in spray tip.

Wash filter and spray tip in a non-flammable solvent.

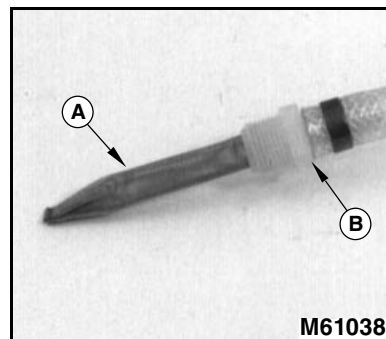


Clean Suction Screen

Remove suction screen (A) from hose (B).

Wash screen in liquid detergent and warm water.

Install screen on hose.

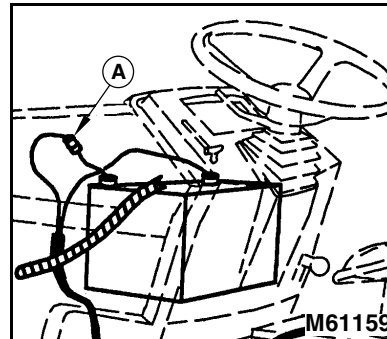


SERVICE

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). Twist holder.
3. Remove fuse.
4. Install new fuse.



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 strainer.
	Check tank level - fill tank.
	Clean or replace suction hose.
	Push suction hose down into solution.
	Clean or replace pump.
	Adjust stabilizer.
	Check for loose pump fittings.
	Check for loose connection at sump hose to pump fitting.
Pump Capacity Decreased	Clean strainer.
	Replace suction hose.
	Clean spray nozzle(s).
	Clean pump valves.
	Adjust stabilizer.

TROUBLESHOOTING

IF	ACTION
Pump Does Not Work	Check wiring connections.
	Check tractor battery.
	Check pump valves.
	Clean debris from pump.
	Check pump switch.
	Check pump motor.
	Check fuse at battery.
Spray Pattern Poor	Clean spray nozzle(s).
	Adjust stabilizer.
Nozzle(s) Drips	Replace nozzle filter.
Tank is Collapsed	Check cap vent.
Pump Vibrates or Spray Pulsates	Adjust pump.
Tank Does Not Sit Level	Adjust stabilizer.

STORING MACHINE

SAFETY

Store Machine Safely:



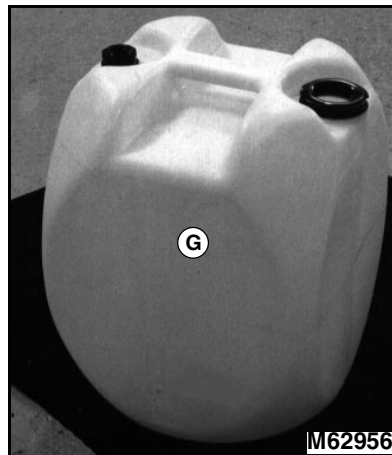
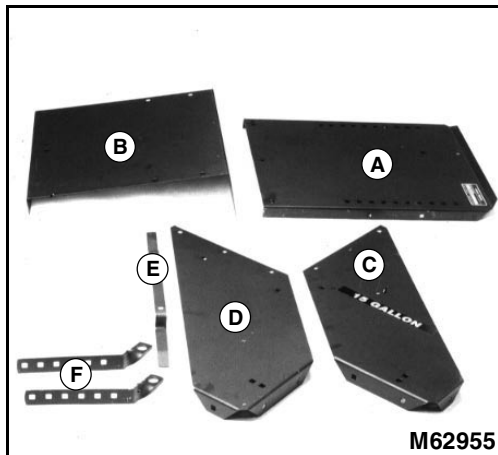
- Do not store sprayer with chemicals in tank.
- To avoid chemical injury, wear protective clothes, gloves and goggles when handling sprayer.

Storing Sprayer

1. Pump all spray material from tank.
2. Flush tank with water.
3. Wash tank with detergent.
4. Rinse tank with clear water.
5. Rinse tank thoroughly with a solution of household ammonia and water. Flush again with clear water.
6. Remove wiring harness from tractor.
7. Remove sprayer from tractor. (See **Removing Sprayer** in REMOVING section.)
8. Check sprayer for worn or damaged parts. Replace parts as needed.
9. Tighten loose hardware.
10. Store sprayer in a place where it will not freeze.

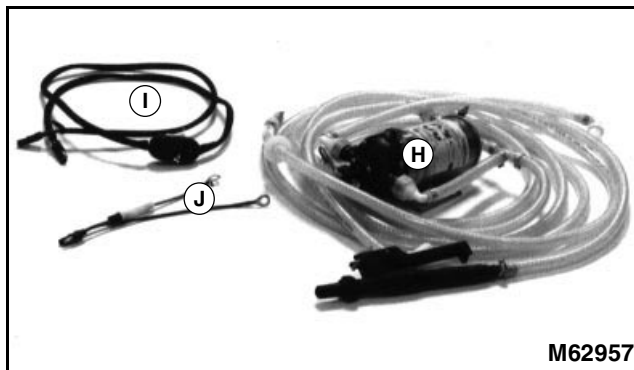
ASSEMBLY

Identify Parts



- | | |
|-----------------------------|-------------------------|
| A - Frame Front | E - Hose Tender |
| B - Frame Floor | F - Tip Supports |
| C - Frame Left Side | G - Sprayer Tank |
| D - Frame Right Side | |

Box of Parts:



- | |
|--|
| H - Pump with Hose Assemblies Installed |
| I - Wiring Harness |
| J - Wiring Harness Lead |

ASSEMBLY

Bags of Parts

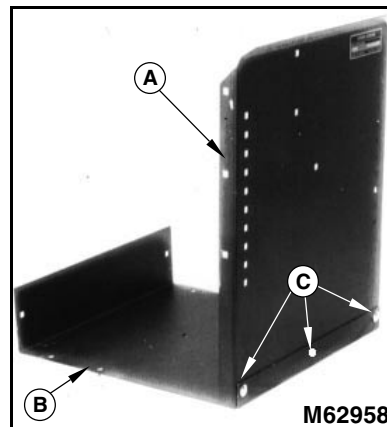
Qty. Used	Part Description	Size
2	Spray Tips	
2	Strainer Check Valves	
2	Cap Nuts	
2	Fitting Lock Nuts	
17	Carriage Bolts	5/16 x 1/2 in.
4	Carriage Bolts	5/16 x 3/4 in.
2	Truss Head Bolts	5/16 x 3/4 in.
25	Flange Hex Nuts	5/16 in.
1	Round Head Bolt	10/24 x 1/2 in.
1	Nut	10/24
1	Handgun Holder	
1	Fill Cap	

Assemble Sprayer Frame

NOTE: Place hex lock nuts to inside of frame.

1. Fasten frame front (A) to frame floor (B):

- Install three 5/16 x 1/2-in. carriage bolts and flange hex nuts (C) through frame front and frame floor.
- Tighten nuts.

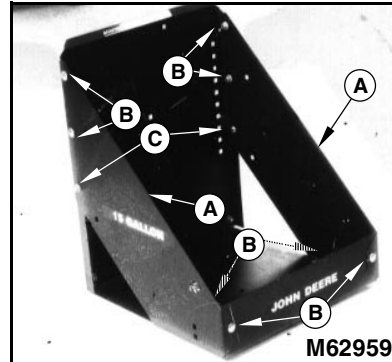


ASSEMBLY

2. Fasten frame sides (A) to frame front and frame floor:

IMPORTANT: Bolt heads to inside of box to eliminate damage to tank.

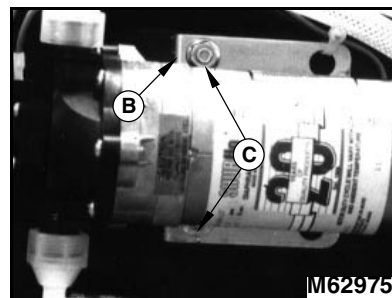
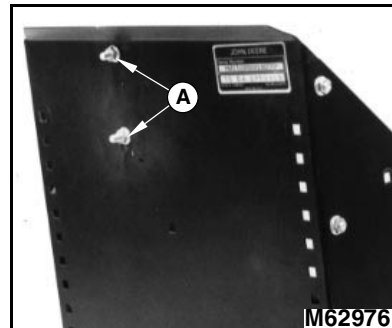
- Install (12) 5/16 x 1/2-in. carriage bolts and hex lock nuts (B) through frame sides, frame front and frame floor.
- Tighten nuts.



Install Pump on Sprayer Frame

IMPORTANT: Bolt heads to inside of box to eliminate damage to box.
Avoid mis-use, unplug pump when not in use.

1. Install two 5/16 x 3/4-in. truss-head bolts and flange nuts (A) through frame front.
2. Tighten nuts. These two nuts act as spacers.
3. Place bracket (B) on bolts.
4. Fasten bracket with two flanged nuts (C).
5. Tighten nuts.

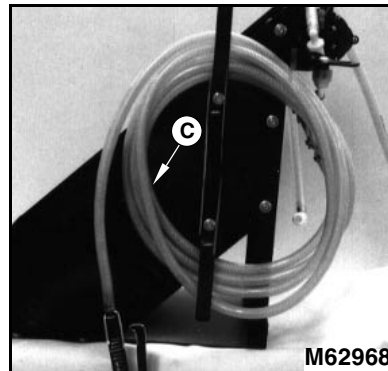
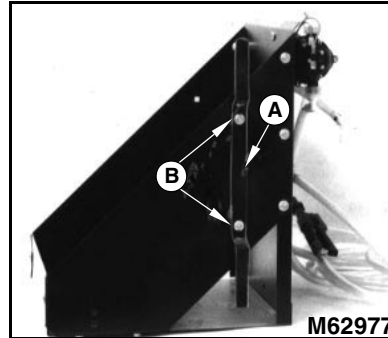


ASSEMBLY

Install Hose Bracket to Sprayer Frame

IMPORTANT: Bolt heads to inside of box to eliminate damage to tank.

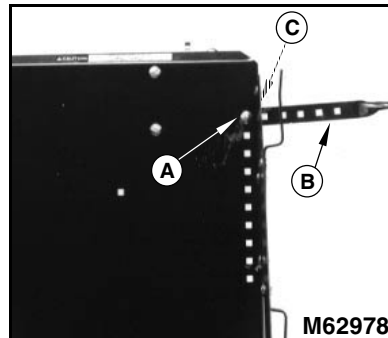
1. Install hose bracket (A) to right-hand side of sprayer frame.
2. Install two carriage bolts 5/16 x 1/2-in. and hex lock nuts (B) through frame side and bracket.
3. Tighten nuts.
4. Wrap hose (C) fairly tight around bracket.



Install Tip Holders on Sprayer Frame

IMPORTANT: Bolt heads to inside of box to eliminate damage to tank.

1. Insert one carriage bolt 5/16 x 3/4-in. (A) through frame front.
2. Put tip holder (B) over bolt and attach hex lock nut (C).



ASSEMBLY

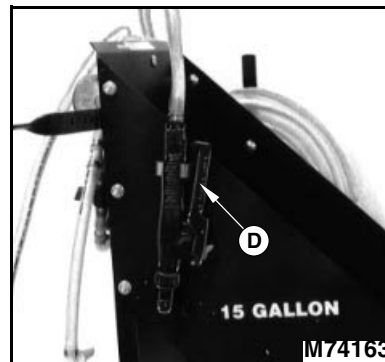
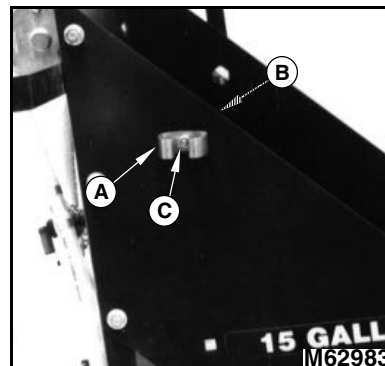
NOTE: Nozzle slots should be facing sideways.

3. Tighten nut.
4. Repeat Steps 1 - 3 for other tip holder.
5. Adjust tip height and width. (See **Adjusting Tip Height and Width** in Operating section.)

Install Handgun Holder on Sprayer Frame

IMPORTANT: Bolt heads to inside of box to eliminate damage to tank.

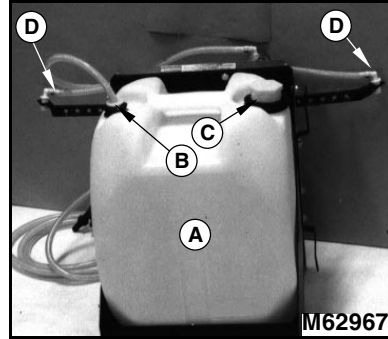
1. Install handgun holder (A) to frame with one 10/24 x 1/2-in. round-head bolt (B) through frame and holder.
2. Attach nut (C).
3. Tighten nut.
4. Place handgun (D) in holder.



ASSEMBLY

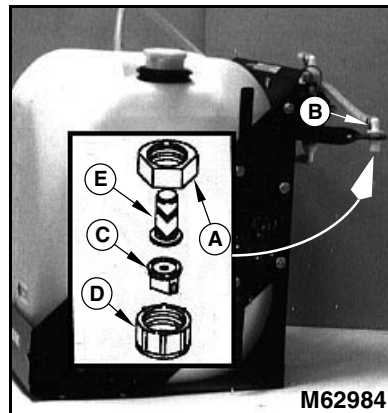
Install Sprayer Tank

1. Place tank (A) in frame.
2. Install suction hose (B) in tank.
3. Install cap (C) and tighten.
4. Install spray tips (D) in holders.

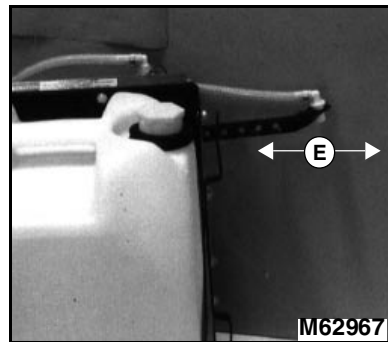


Install Spray Nozzle

1. Turn plastic lock nut (A) on plastic hose fitting (B).
2. Tighten plastic lock nut.
3. Place spray tip (C) in spray tip nut (D).
4. Place filter (E) flat side down on spray tip.
5. Screw entire assembly on plastic hose fitting.
6. Repeat above steps for other end of hose.



NOTE: Be sure spray tips (C) are seated in holder in direction (E).



ASSEMBLY

Mounting Kit Parts List

The following is in the Box of Parts:

- Drawbar
- Sprayer Anchor
- Tractor Anchor
- (2) Hook Straps
- (2) Straps
- Stabilizer Plate
- Support Triangle
- Bag of Hardware

The following is in the Bag of Hardware:

Qty. Used	Part Description	Size
2	Drilled Pins (For tractors without rockshaft)	3/4 in.
2	Spring Locking Pins (For tractors without rockshaft.)	5/32 x 2-7/8-in.
1	Lock Washer	1/2 in.
1	Flat Washer	1/2 in.
1	Wing Nut	
8	Carriage Bolts	5/16 x 3/4 in.
9	Hex Lock Nuts	5/16 in.
2	Drilled Pins	5/16 x 2 in.
4	Spring Locking Pins	3/32 x 1-5/8 in.
2	Carriage Bolts	5/16 x 1 in.

ASSEMBLY

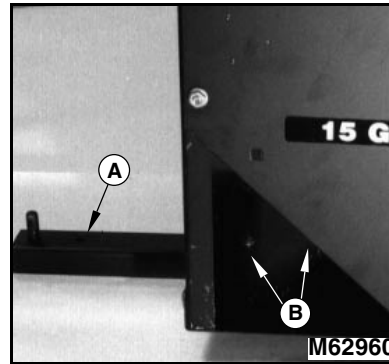
Install Mounting Kit

1. Fasten drawbar (A) to frame floor:

IMPORTANT: Be sure bolt heads are to the inside of the box to prevent damage to tank.

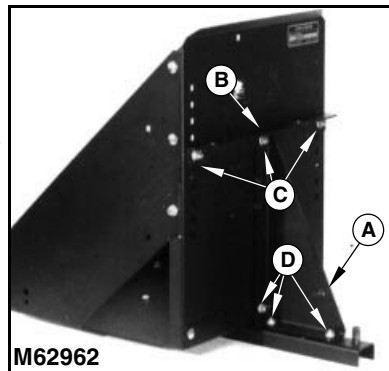
- Install two 5/16 x 3/4-in. carriage bolts and hex lock nuts (B) through frame floor and drawbar.

NOTE: DO NOT tighten hardware until assembly is done.



2. Fasten triangle support (A) to frame front and drawbar:

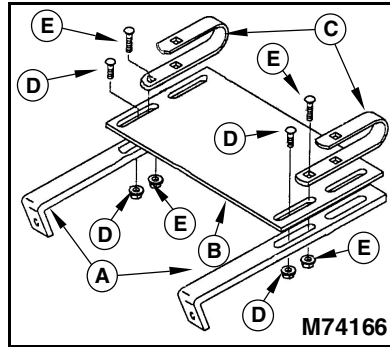
- Remove frame center 5/16 x 1/2 carriage bolt and lock nut. (Use lock nut in next step.)
 - Install three 5/16 x 3/4-in. carriage bolts and hex lock nuts (D) to frame and drawbar. Do not tighten nuts.
3. Fasten anchor (B) to frame front:
 - Install three 5/16 x 3/4-in. carriage bolts and hex lock nuts (C) through anchor and front frame.



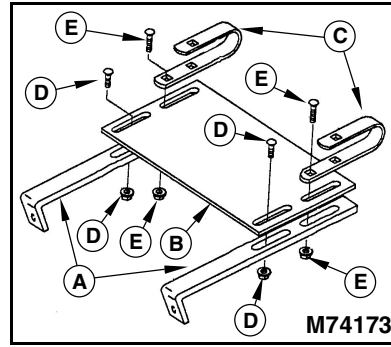
4. Tighten all hardware.
5. Install Mounting Kit on tractor.
(See **Installing Sprayer** in Installing section for attaching Mounting Kit to tractor.)

ASSEMBLY

Assemble Stabilizer



Tractors With Rear Rockshaft



Tractors Without Rear Rockshaft

1. Place J-straps (A) under plate (B). Fasten with two 5/16 x 3/4 in. carriage bolts and lock nuts (D).
2. Place hook straps (C) on top of plate (B). Fasten with two 5/16 x 1 in. carriage bolts and lock nuts (E).
3. Assemble straps and plate loosely. DO NOT tighten nuts until you install stabilizer bracket on tractor.
4. Install stabilizer on tractor. (See **Installing Sprayer** in Installing section for attaching Stabilizer to tractor.)

ASSEMBLY

Trail Kit Parts List

NOTE: There are two styles of Trail Kits, one with an axle that uses cotter pins to retain the wheel, and the other with an axle that uses locking collars to retain the wheel.

The following is in the Box of Parts of both styles:

Quantity	Part Description	Quantity	Part Description
2	Wheels with Tires	1	Hitch Pin Kit: • 1 - Hitch Pin • 1 - Tether Chain • 1 - S-Hook • 1 - Split Ring • 1 - Quick Pull Pin
1	Drawbar		
1	Axle		
1	Drawbar Clevis		
1	Wire Harness Extension		

The following is in the Bag of Hardware:

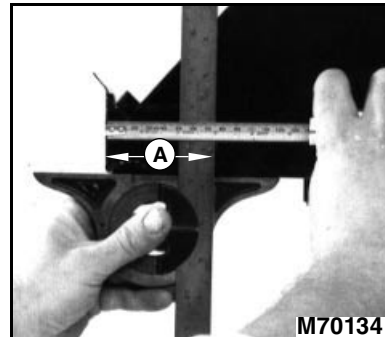
Qty.Used	Part Description	Size	Axle with Cotter Pins	Axle with Locking Collars
4	Flat Washers	.656 x 1.00 x .060	X	X
4	Carriage Head Bolt	5/16 x 3/4 in.	X	
4	Carriage Head Bolt	5/16 x 1/2 in.		X
2	Round Head Bolts	5/16 x 1 in.	X	X
6	Flange Nuts	5/16	X	X
6	Cotter Pins		X	
2	Flat Washers	.375x.625x.030	X	
2	Axle Mount Spacers			X
2	Axle Mount Brackets		X	X
2	Locking collars			X

ASSEMBLY

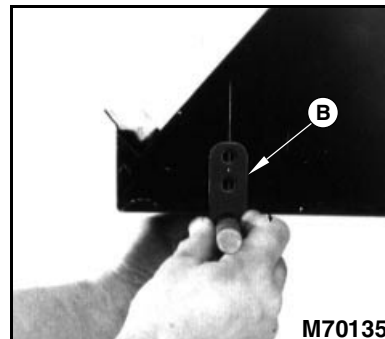
Assemble Trail Kit

NOTE: Steps 1 – 5 are only required on welded sprayer frames. Bolt together frames are pre-drilled.

1. Holding a square against bottom of sprayer box, measure back 7.62 mm (3-in.) Mark vertical line on both sides of box with pencil.



2. Slide one axle mount bracket onto axle. Hold axle flush against bottom of sprayer box. Align center of two holes in bracket (B) with pencil mark.



3. Mark and center punch two holes.

4. Drill two 11/32-in. holes.

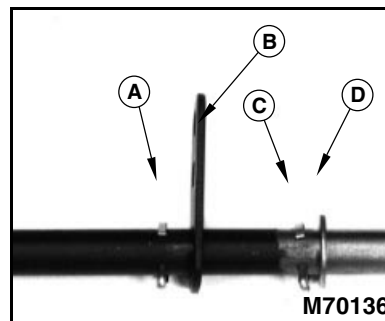
5. Repeat Steps 1 – 4 for other side of box.

6. Install axle and wheels:

For Trail Kits using cotter pins on axle:

Assemble axle for WELDED sprayer frames:

- Install cotter pin (A) on inside of axle mount bracket (B).
- Install cotter pin (C) and washer (D) to each end of axle shaft.
- Repeat above steps for other side of axle shaft.

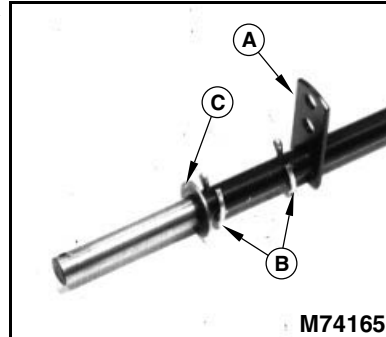


Welded Sprayer Frames

ASSEMBLY

Assemble axle for BOLT TOGETHER sprayer frames:

- Slide axle mount bracket (A) on axle shaft.
- Install two cotter pins (B) on axle shaft.
- Slide washer (C) on axle shaft.
- Repeat above steps for other side of axle shaft.

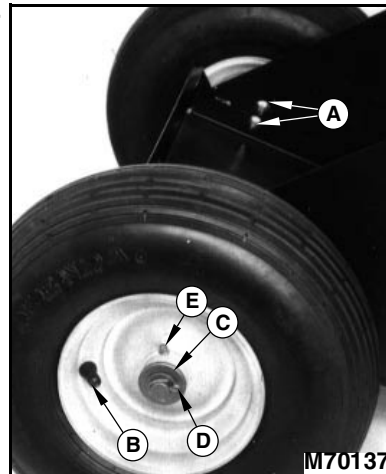


Bolted Sprayer Frames

IMPORTANT: Be sure bolt heads are to the inside of the box to prevent damage to tank.

Install axle and wheels:

- Fasten axle to sprayer box with four 5/16 x 3/4-in. bolts (A) and four flange nuts.
- Install wheels with valve stems (B) to outside.
- Attach with washer (C) and cotter pin (D).
- Grease wheels at grease zerk (E) with one or two shots of John Deere multipurpose grease.
- Inflate tires to 10 PSI.



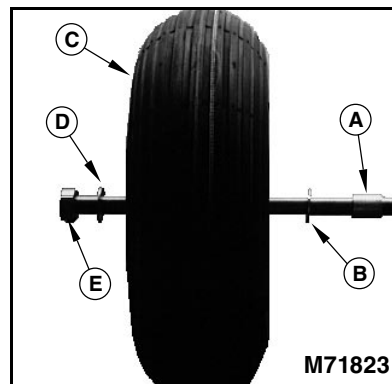
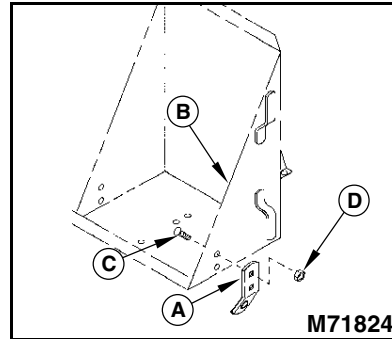
ASSEMBLY

For Trail Kits using locking collars on axle:

On either welded or bolt together sprayer frames:

IMPORTANT: Be sure bend in mount bracket is facing sprayer box.

- Install two axle mount brackets (A) on each side of sprayer frame (B) with four 5/16 x 1/2 in. bolts (C) and four 5/16 nuts (D). DO NOT tighten hardware.
- Slide axle through both mount brackets and center it with 4-7/8 in. (12.5 mm) extending from each side of sprayer frame.
- Tighten all hardware after axle is centered.
- Install axle spacer (A) and flat washer (B).
- Slide on wheel (C). Be sure valve stem is facing the outside.
- Install flat washer (D).
- Install locking collar (E) on end of axle.
- Tighten locking collar with an allen wrench.
- Repeat the previous five steps for the other side of axle.
- Grease wheels at grease zerk with one or two shots of John Deere multipurpose grease.
- Inflate tires to 10 PSI.



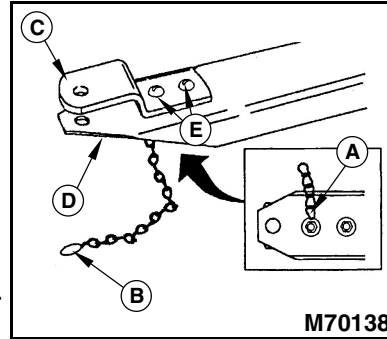
NOTE: If wheels do not spin freely, loosen locking collar and move it out slightly. Tighten locking collar.

ASSEMBLY

7. Fasten S-hook (A) to tether chain and bend S-hook end closed.

8. Fasten split ring (B) to other end.

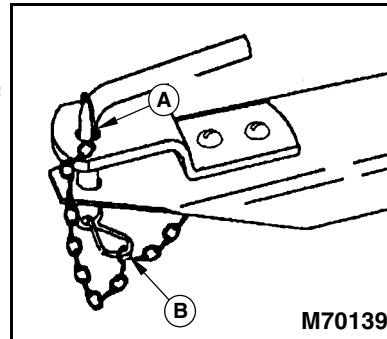
- Install clevis (C) to drawbar (D) with two 5/16 x 1-in. round-head bolts (E).
- Slip S-hook on tether chain over front bolt on bottom side of drawbar and bend S-hook end closed.



- Fasten with flange nuts.

9. Fasten split ring (A) to drilled hole near bend in clevis pin:

- Install quick pull pin (B) in middle of chain.
- Install clevis pin through drawbar bracket and drawbar.
- Install quick pull pin.



SPECIFICATIONS

Sprayer Specifications

Tank	15 gallon (57 L)
Pump:	
Type	Electric Motor and Diaphragm
Manufacturer	Shurr Flo
Current Draw	7 amp
Fuse	15 amp
Flow Rate	0.6 U.S. gal./min. (2.3 L/min.)
Suction Hose Strainer	Stainless Steel
Spray Tip	Two #5, 80°
Material	Stainless Steel
Handgun Material	Plastic
Adjustment	Fan to Stream
Net Weight with Integral Mounting Kit	40 lbs. (18 kg)

(Specifications and design subject to change without notice)

NOTES

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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.