

JOHN DEERE
AG & TURF DIVISION

Mounted Sprayers
15 Gallon

OMM157897 K1

OPERATOR'S MANUAL



JOHN DEERE

Original Instruction

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Previous Editions

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Introduction

Table of Contents

Introduction.....	1
Product Identification.....	1
Safety	2
Assembly.....	3
Installing	7
Preparing Vehicle	9
Removing and Storing.....	9
Operating.....	11
Service	13
Troubleshooting	14
Specifications	14
Getting Quality Service	15

Introduction

Using Your Operator's Manual

Read this entire operator's manual, especially the safety information, before operating.

This manual is an important part of your machine. Keep all manuals in a convenient location so they can be accessed easily.

Use the safety and operating information in the attachment operator's manual, along with the machine operator's manual, to operate and service the attachment safely and correctly.

If your attachment manual has a section called Preparing the Machine, it means that you will have to do something to your tractor or vehicle before you can install the attachment. The Assembly and Installation sections of this manual provide information to assemble and install the attachment to your tractor or vehicle. Use the Service section to make any needed adjustments and routine service to your attachment.

If you have any questions or concerns with the assembly, installation, or operation of this attachment, see your local John Deere dealer or call the John Deere Customer Contact Center at 1-800-537-8233 for assistance.

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

Product Identification

Product Compatibility

The 15 Gallon Sprayer is compatible with all EZtrak Mowers.

Safety

Read Safety in Machine Operator's Manual

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

Operate Safely

- Read the machine and attachment operator's manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the machine and disengage the controls quickly.
- 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 wire (for gasoline engines) before servicing the machine.

Mix and Handle Chemicals Safely

- 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.
- Do not remove labels from chemical containers. Store all chemicals in their original containers.
- Do not mix chemicals unless stated on the container label.
- Store chemicals when not in use according to the container label.

Handle Chemical Products Safely

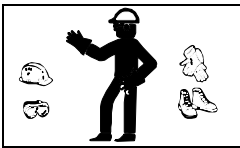
- Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include pesticides, herbicides and fungicides.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.
- The MSDS should be obtained from the chemical dealer at the time of the chemical purchase.
- Check the MSDS before beginning any job using a hazardous chemical. Know exactly what the risks are and how to do the job safely. Always wear recommended personal protection equipment.

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.

Assembly

- 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.

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

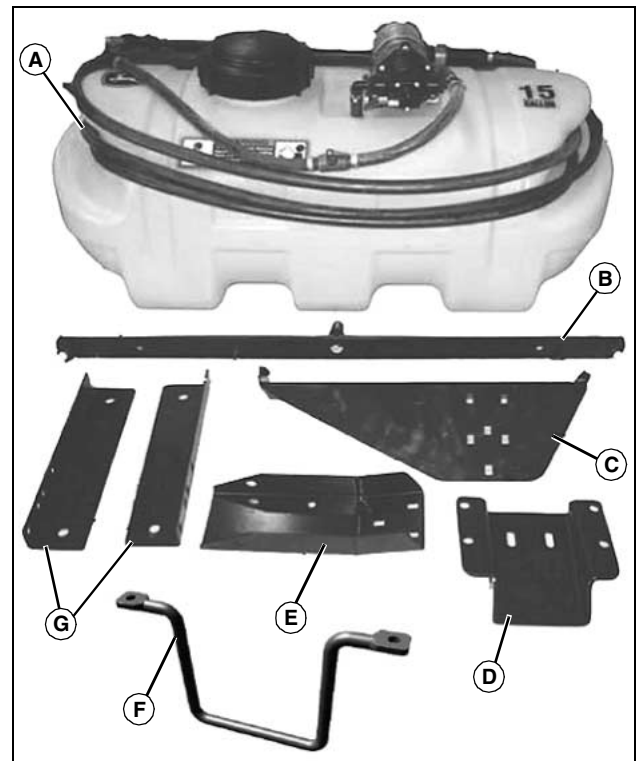
Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people:

- 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

Identify Parts - 15 Gallon Sprayer

Sprayer



MX48097

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

B- Spray Boom (Assembled)

C- Support Frame

Assembly

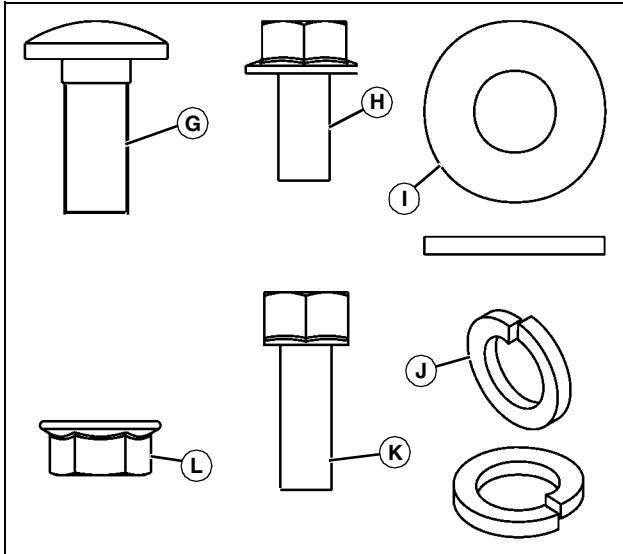
D- Mounting Post Bracket

E- Support Channel

F- Support Rod, U-Shaped Shield (For MY 2011 - SN 100001-)

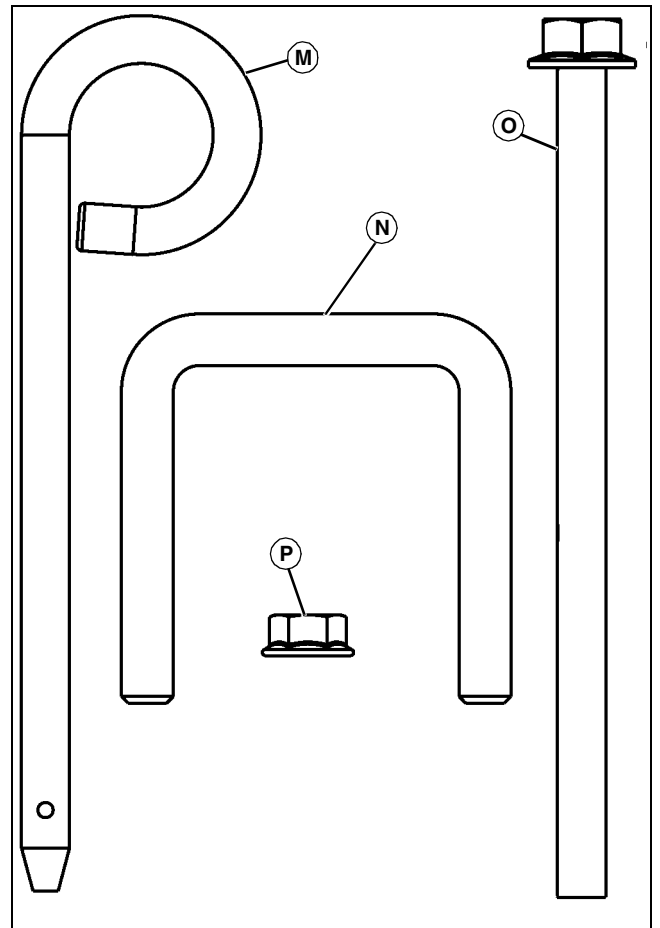
G- Tank Supports

Sprayer Hardware Bag



MX41782

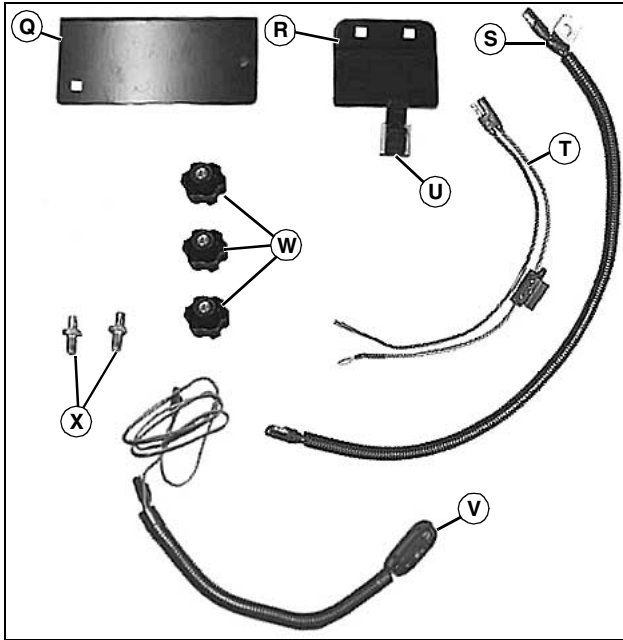
Part Description	Qty.
Carriage Bolt, M8 (G)	12
Bolt, Flange, 5/16 in. (H)	4
Washer, Flat, 3/8" (I)	1
Lockwasher, M8 (J)	3
Bolt, M8 (K)	1
Nuts, Flange, M8 (L)	14



MX41780

Part Description	Qty.
Locking Pin, M10 (M)	1
U-Bolt (N)	2
Bolts, M8x110 (O)	2
Nut, Flange, 3/8 in. (P)	4

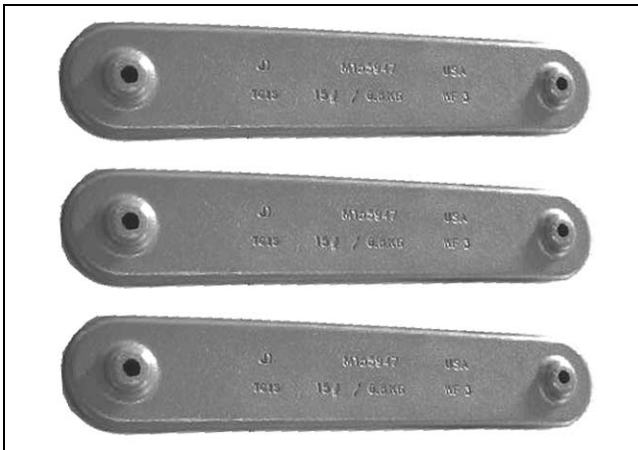
Assembly



MX49047

Part Description	Qty.
Support Bracket, Spray Boom (Q)	1
Wedge Plate (R)	1
Wire Harness Extension, 20 in. (S)	1
Wire Harness, 15 amp Fuse (T)	1
Switch Support Clip (U)	1
Switch (V)	1
Plastic Locking Knob, M8 (W)	3
Pin, Quick-Attach, M8 (X)	2
Spring Pin, (Not Shown)	3
Wire Clip, Plastic (Not Shown)	3

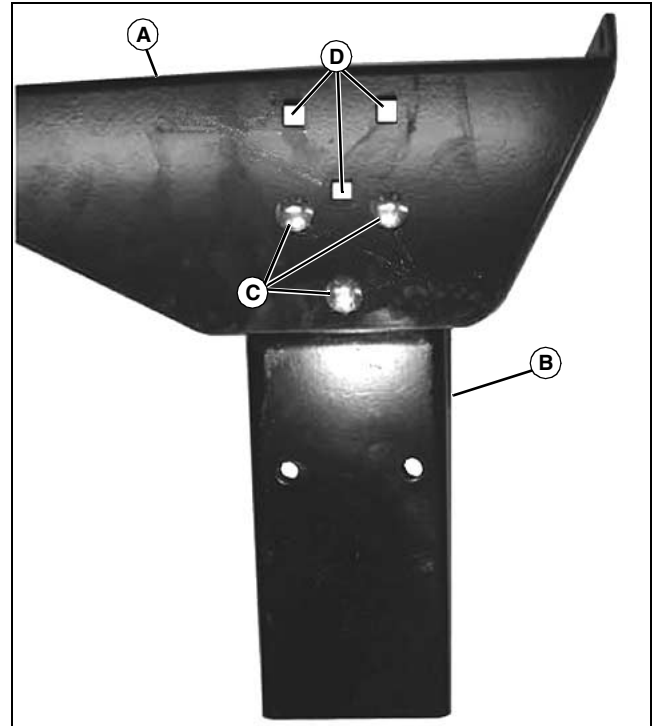
Weight Kit



MX41781

Part Description	Qty.
Weight	3

Assemble Sprayer Tank

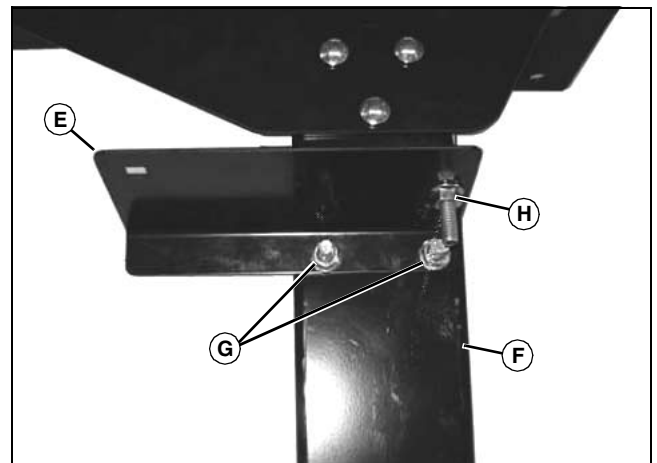


MX41783

1. Position support frame (A) on support channel (B) as follows:

a. For all 2007-2008 (SN 010001-060000) models, 2009-2010 (SN 060001-100000) Z425, Z445 and Z465 models, and 2011 (SN 100001-) Z600 series models, insert three M8 carriage bolts in holes (C) as shown and secure with three M8 flange nuts.

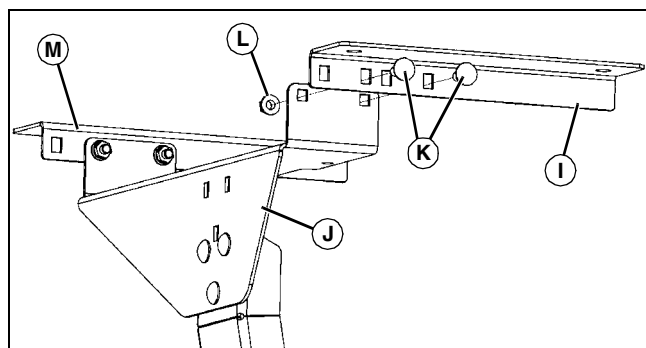
b. For 2009-2011 (SN 060001-) Z225 and Z245 models, and 2011 (SN 100001-) Z400 series models, insert three M8 carriage bolts in holes (D), and secure with three M8 flange nuts.



MX41784

2. Assemble the boom support bracket (E) to the support channel (F) using two M8 carriage bolts and M8 flange nuts (G). Install one M8 bolt (H) in the right side of the boom support with a M8 flange nut on the bottom.

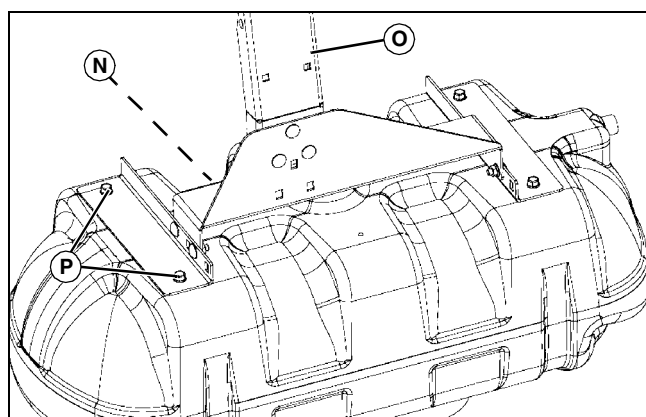
Assembly



MX49048

3. Assemble the right tank support (I) onto the support frame (J) in the holes shown using two M8x20 carriage bolts (K) and M8 flange nuts (L).

4. Repeat step 3 to assemble the left tank support (M) to the support frame (J).

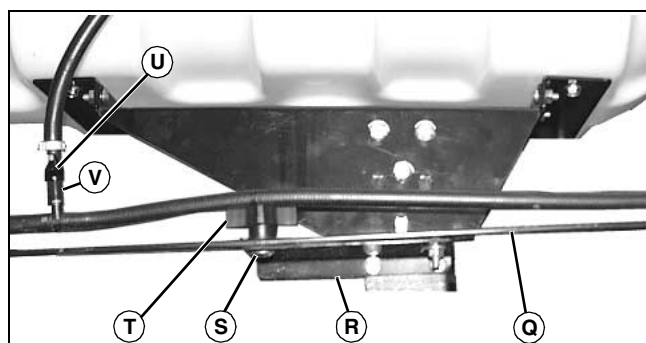


MX49049

Picture Note: Position the tank upside down with the top wand brackets facing away (N).

5. Assemble the support assembly (O) to the tank as shown using four 5/16 x 5/8 inch flange bolts (P).

6. Tighten all hardware on the tank support assembly.



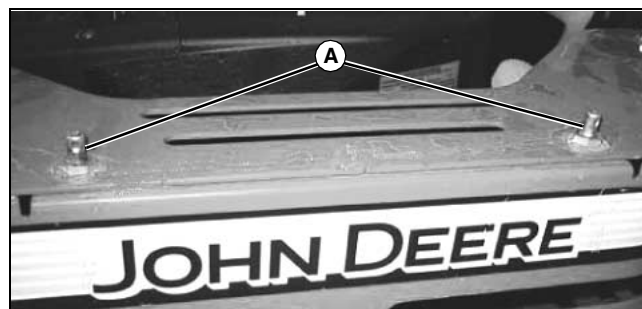
MX41787

7. Assemble the spray boom (Q) to the spray boom support bracket (R) using one M8 carriage bolt (S) from the bottom through the boom, place the 3/8 in. flat washer and M8 lockwasher over the bolt and secure with plastic locking knob (T).

8. Connect the hose (U) to the boom fitting (V).

Install Quick-Attach Pins

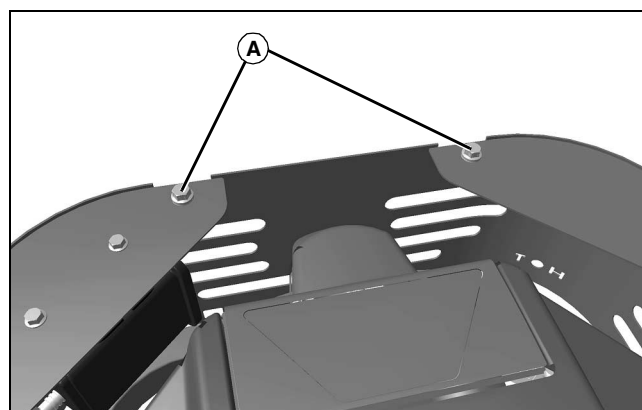
Model year through 2010 (SN -100000)



MX41788

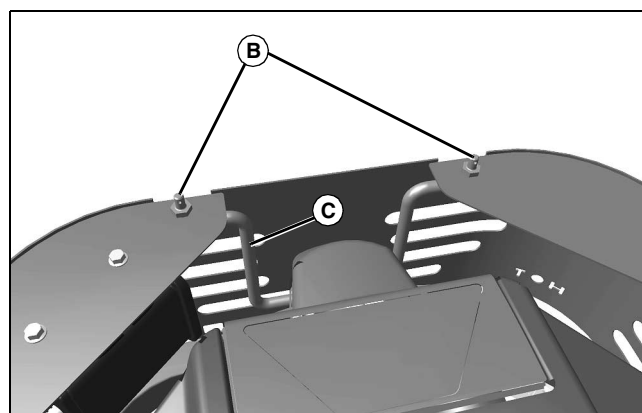
1. Replace two M8 cap screws on top of rear shroud with two M8 quick-attach pins (A). Align spring pin hole in each stud to face front of unit.

Model year 2011 and up (SN 100001-)



MX46458

1. Remove and discard the two M8x20 flange head bolts (A) at the top rear of the engine cover and the M8 spring nuts attached to the shields.



MX46459

2. Install two M8 quick-attach pins (B) from the bag of parts.

3. Underneath the shield, install the U-shaped shield support rod (C) onto the threaded ends of the M8 quick-attach pins. Fasten with two flange M8 locknuts.

Installing

Installing

Install Mounting Kit

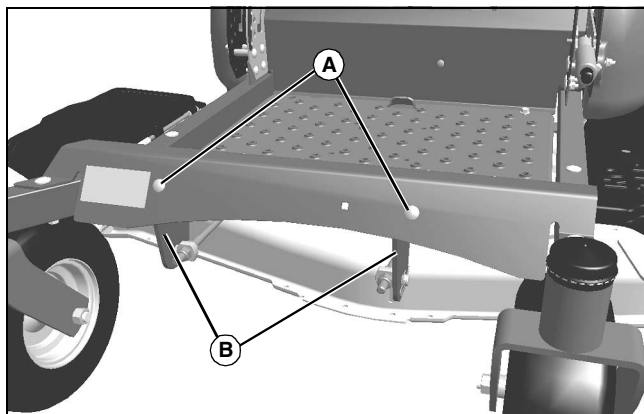
NOTE: If your mower already has the weight kit and the bagger mounting post bracket installed, then this section is complete.

Install Weights:



CAUTION: Avoid injury! Proper ballasting is required for safe operation. Install the correct number of front weights to help maintain machine steering control and stability.

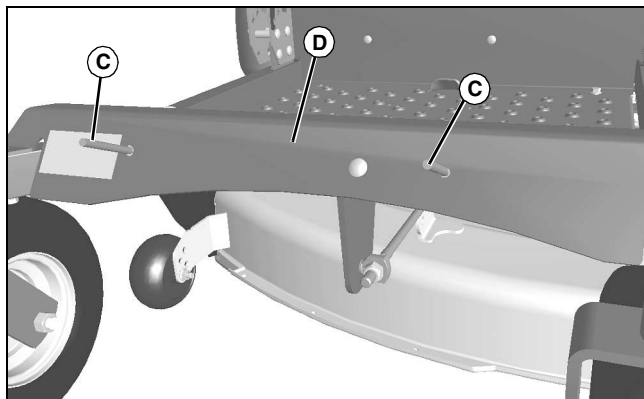
NOTE: A minimum of three eighteen pound weights (total of 24.5 kg (54 lb)) are needed at the front of the machine, mounted as specified below.



MX38557

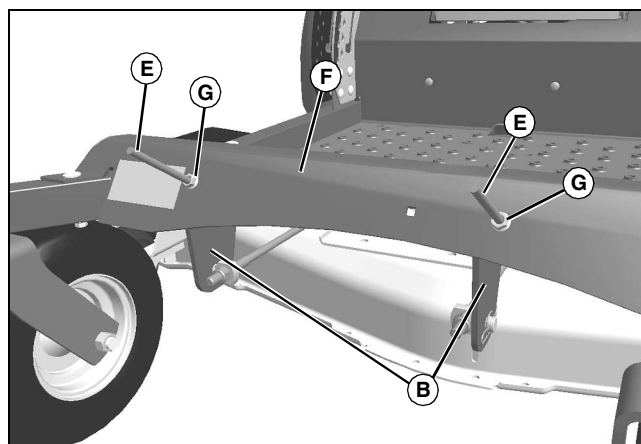
1. On Z245, Z425, Z445, and Z465 models, remove two carriage bolts (A) and nuts holding front brackets (B) onto machine frame.

2. Install bolts:



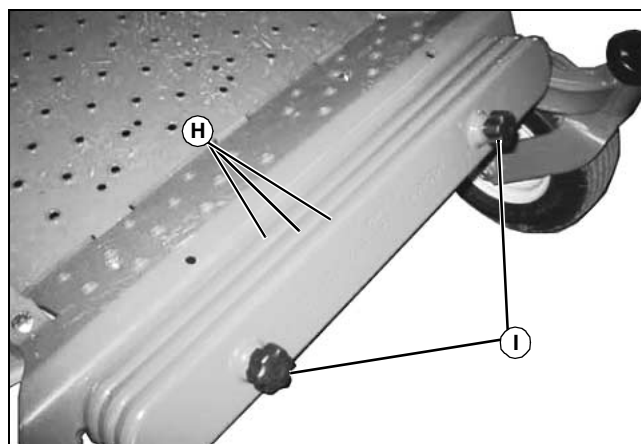
MX40047

• On Z225 model, install two M8x110 bolts (C) from under frame, through holes in frame (D).



MX38558

• On Z245, Z425, Z445, and Z465 models, install two M8x110 bolts (E) from under frame, through front brackets (B) and holes in frame (F). Install two M8 nuts (G) to secure bolts to frame.

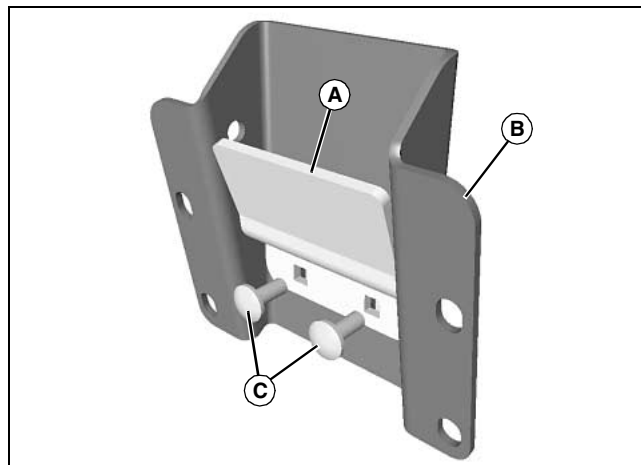


MX41775

3. Install three weights (H) onto bolts, with recessed holes in weights facing machine frame. Secure with two M8 lockwashers and two knobs (I).

Install Mounting Post Bracket

Assemble Stop Bracket to Mounting Post Bracket:



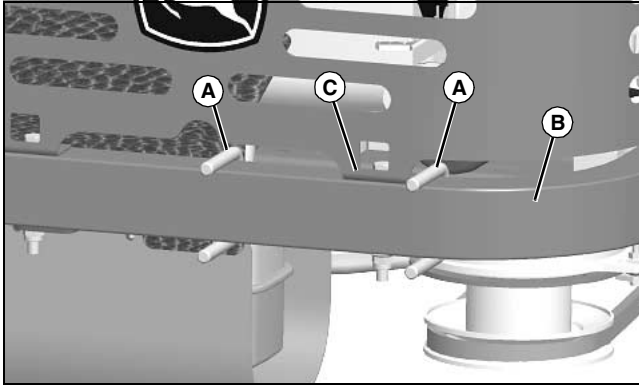
MX37831

1. Position stop bracket (A) inside of mounting post bracket (B), aligning square mounting holes in stop bracket with the two slotted holes in the mounting post bracket. Secure with two M8x20 carriage bolts (C), installed

Installing

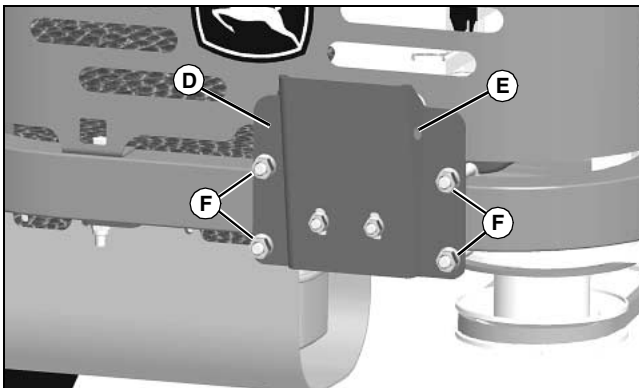
from the inside out, and two M8 flange nuts. Do not fully tighten until mounting post is installed, to adjust properly for crosspin alignment.

Install Mounting Post Bracket to Machine:



MX37838

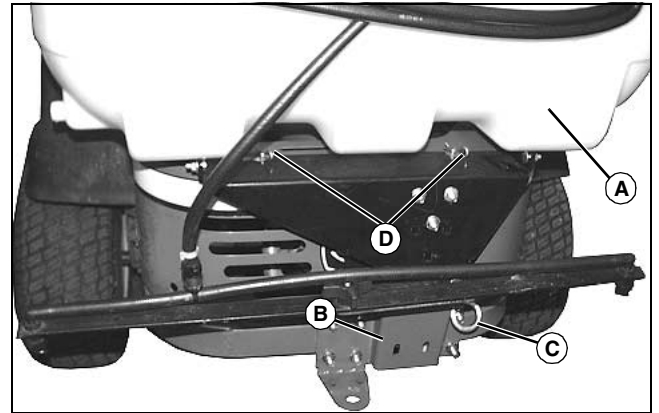
1. Install two U-bolts (A) around the machine frame (B) at the right rear corner. One U-bolt should be positioned at each side of mounting flange (C), securing engine guard to frame.



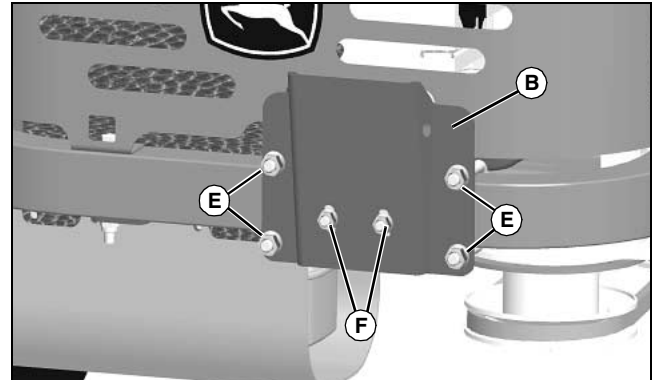
MX37839

2. Assemble mounting post bracket (D) over the two U-bolts, with the crossholes (E) in the mounting post bracket toward the top, and secure loosely with four 3/8 in. flange nuts (F). Do not fully tighten hardware at this time.

Install Sprayer



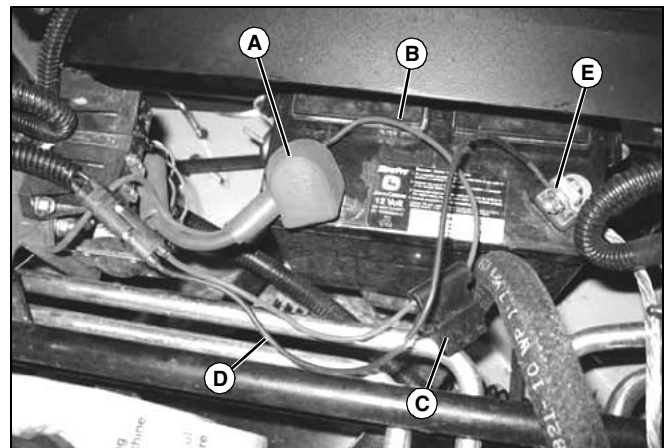
MX41789



MX37839

1. Install the assembled unit (A) into the mounting post bracket (B), and studs on top of rear deck. Install locking pin (C) and secure with one spring clip. Insert two spring clips (D) in studs.
2. Tighten the four 3/8 in. flange nuts (E) and two M8 flange nuts (F) on mounting post bracket (B).

Install Wiring Harness

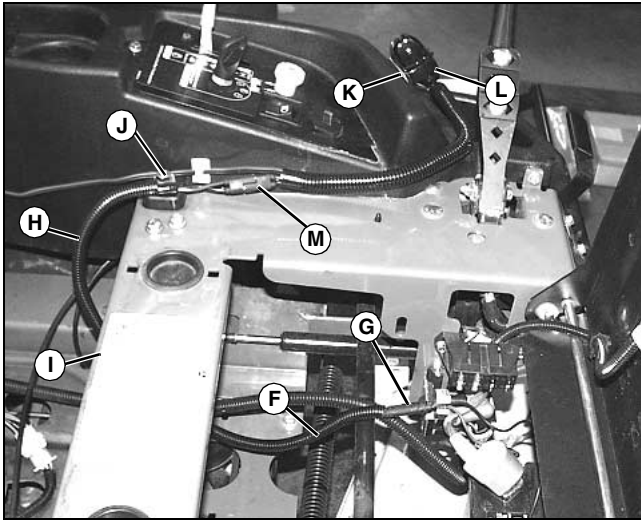


MX41776

1. Raise seat and lift battery positive terminal cover (A). Install red lead (B) of wiring harness with fuse holder (C) to battery positive terminal. Replace battery positive terminal cover (A).
2. Install black wiring harness lead (D) to negative battery terminal (E).

Preparing Vehicle

NOTE: For models 2011 (SN 100001-), wire harness switch connects directly to the battery harness and extension harness (F) is not needed.



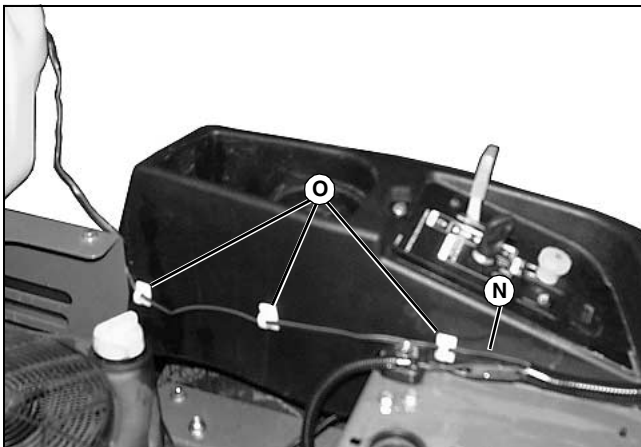
MX41777

3. For all models through 2010 (SN -100000), connect 20 in. extension harness (F) to battery harness connector (G). Route free end of extension harness (H) under rear seat support (I).

4. Remove nut on LH fender mount (J), install harness cable clamp on bolt and secure with nut.

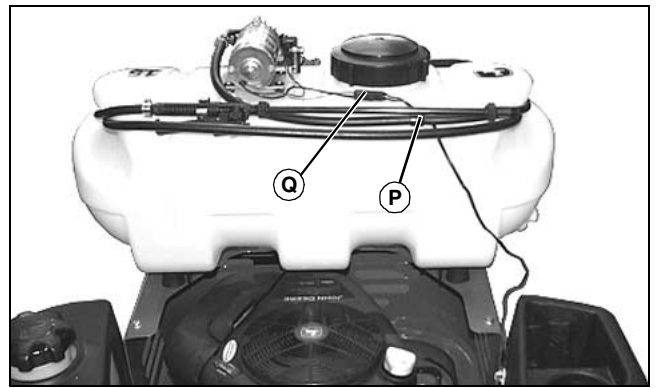
IMPORTANT: Avoid damage! Avoid damage to wiring. Keep wiring harnesses away from all moving parts and hot surfaces.

5. Mount switch support clip (K) velcro pad to LH fender in desired location, and insert switch (L) in clip. Route switch harness along edge of fender, and connect to extension harness connector (M).



MX41778

6. Secure free end of switch harness (N) along lower inside edge of LH fender using three self-adhesive wire clips (O).



MX41779

7. Route remaining harness under hose on sprayer (P) and connect to pump connector (Q).

Preparing Vehicle

Machine Requirements

Sprayer Weight:

- 15 Gallon Sprayer, Filled with liquid is 68 kg (150 lb)

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

Removing and Storing

Removing Sprayer

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

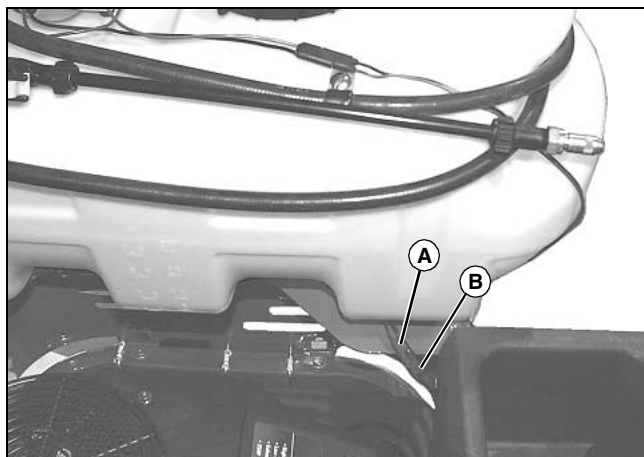


CAUTION: Avoid injury! To avoid chemical injury:

- 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.

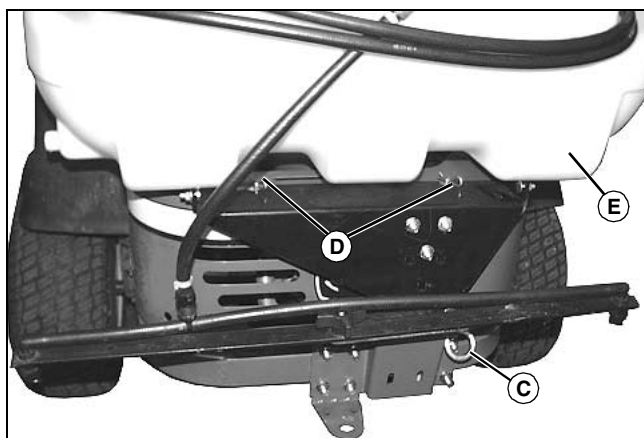
2. Empty the sprayer tank. (See Dispose of Chemicals Properly in the SAFETY section.)

Removing and Storing



MX40056

3. Disconnect the wire extension (A) from the power (B). Wrap excess wire extension around tank.



MX41789

4. Remove spring clip and locking pin (C) from mounting post bracket. Remove two spring clips (D) from rear deck studs. Remove the entire unit (E) 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.

Operating

Operating

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

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.

General Spraying Information

15 Gallon Sprayer Application:

The 15 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. Use the chart below to select your desired speed and application rate.

GPA (gallons per acre per nozzle)					
Model	2 mph	3 mph	4 mph	5 mph	6 mph
15 EZtrak	76.2	50.8	38.1	30.5	25.4
Gallons per 1000 sq ft per nozzle					
Model	2 mph	3 mph	4 mph	5 mph	6 mph
15 EZtrak	1.75	1.17	0.88	0.70	0.58

Standard Hand Wand			
Pressure	Nozzle	GPM (cone)	GPM (stream)
80 psi	#18	0.4	1.25
Sprayer Capacity		Approximate Spray Time in Minutes	
15		37.5	12

Checking Machine Ground Speed

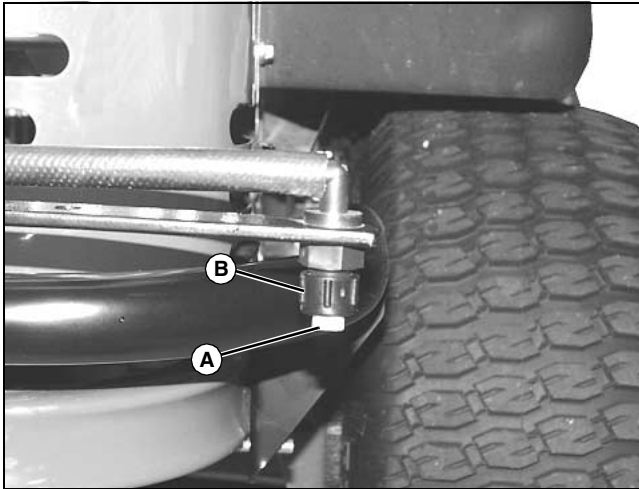
1. Drive vehicle and sprayer (half-full is optimal) across a measured distance at a constant speed. There can be no change in speed while measuring time. Speed should be a comfortable speed for spraying.
2. Have someone measure the amount of time (in seconds) it takes to travel the measured distance.
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

Operating

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

Adjusting Tip Spray Pattern



MX40057

1. Check spray tips:

- Outer two spray tips (A) should be parallel with machine, as shown.

2. If necessary, loosen spray tip cap nut (B). Align spray tip (A) and tighten cap nut.

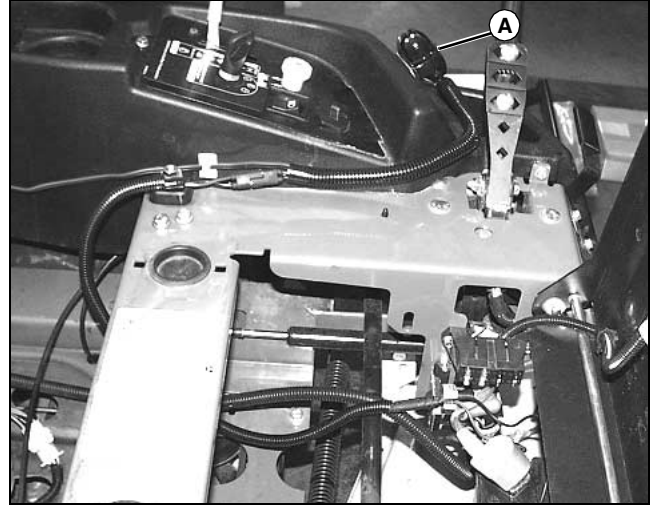
3. Test spray pattern with water on driveway or sidewalk, and adjust as necessary. There should be some spray overlap between each tip and the spray patterns should be consistent.

Starting and Stopping Sprayer



CAUTION: Avoid injury! Standing in a machine while it is moving can result in loss of balance and falling from machine. Never operate machine while standing. For machines that can carry passengers, the passenger must remain seated at all times.

NOTE: Operate sprayer with transport vehicle running to avoid discharging the battery.



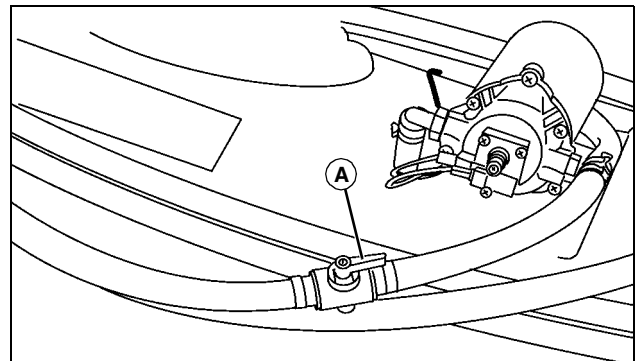
MX41777

1. Push switch (A) to ON (I) position to start the sprayer.
2. Push switch (A) to OFF (O) position to stop the sprayer.

Selecting Spray Wand or Boom Nozzles

NOTE: Shut-off valve lever (A) has two positions:

- **ON POSITION** - Lever is parallel with hose. Pump flow is directed to the sprayer boom.
- **OFF POSITION** - Lever is perpendicular with hose. Pump flow is directed to the spray wand.



MX34863

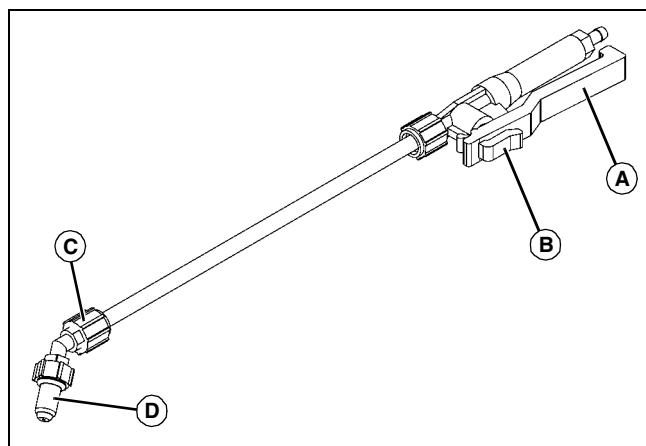
- To use spray wand: Turn lever (A) so that it is perpendicular with hose. You can now use the spray wand for spraying.
- To use sprayer boom: Turn lever (A) so that it is perpendicular with hose. Turn pump on and operate spray wand to remove all air from hose. After spray wand sprays liquid, turn pump off. Turn lever (A) so that it is parallel with hose. You can now use the boom nozzles for spraying.

Service

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.

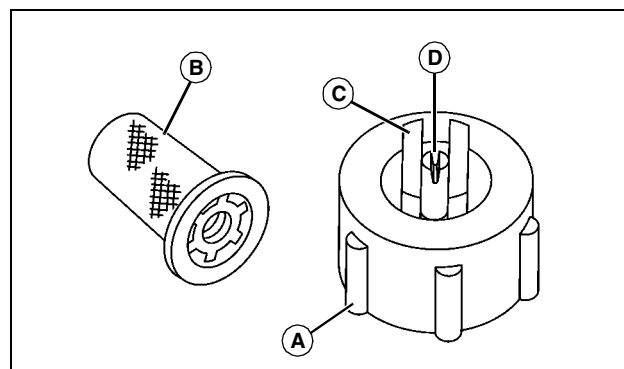


MX45502

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.

Lifting and Transporting Sprayer Safely

- Use caution when lifting and transporting the sprayer to help prevent possible injury.
- When filled with liquid, the 15 gallon sprayer weighs 68 kg (150 lb). Empty tank before attempting to lift.



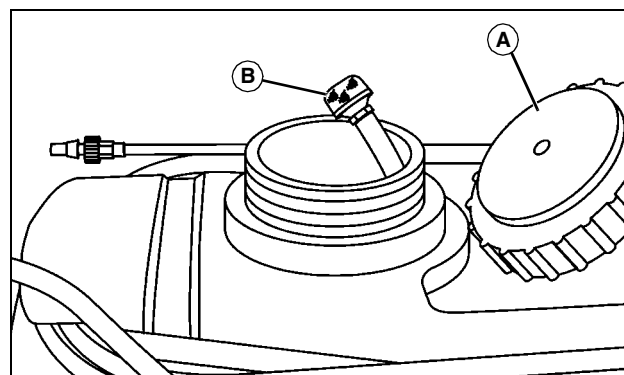
MX34868

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.

Cleaning Pump Suction Screen



MX34869

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.

Cleaning Spray Wand Nozzle

NOTE: There are two different styles of nozzles for your sprayer. See below for explanation of each style.



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

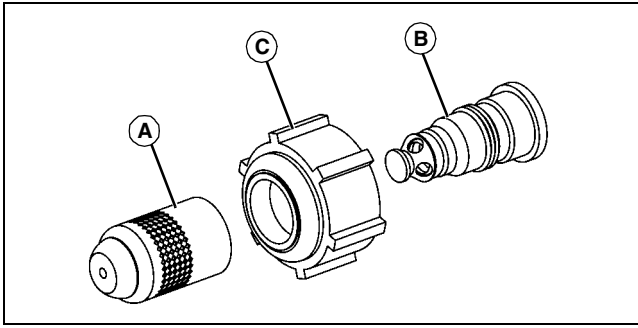
Service

Cleaning Spray Nozzle



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

Troubleshooting

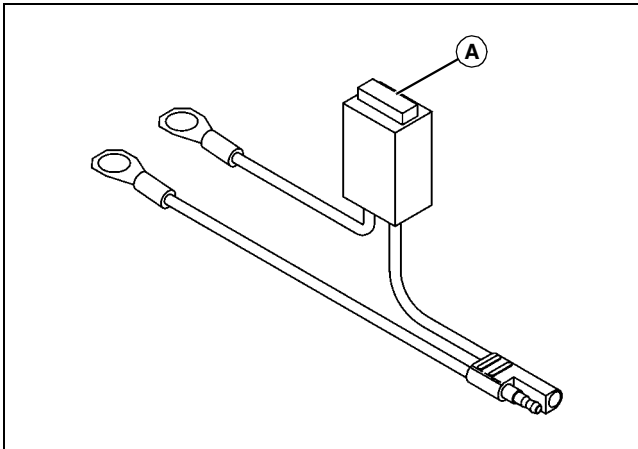


MX50438

1. Remove nozzle (A) from the spray tip (B).
2. Loosen nut (C), and remove the spray tip (B) from the angled fitting on the wand.
3. Wash nozzle (A), and spray tip (B) with liquid detergent and warm water.
4. Inspect O-rings and replace as needed.
5. Slide nut (C) over the spray tip (B), and install on angled fitting on wand.
6. Install nozzle (A) on spray tip (B).

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.



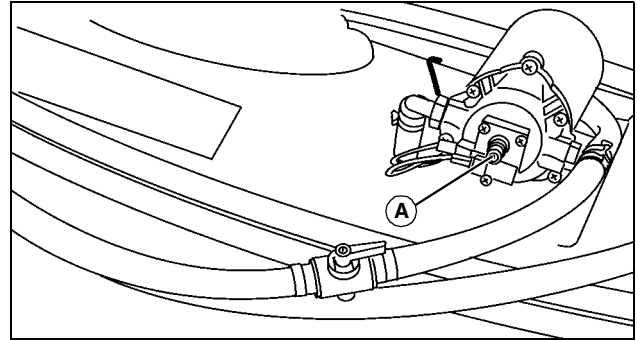
MX34799

1. Raise seat and remove first 15 amp fuse (A). Install new 15 amp fuse and lower seat.

Adjusting Pump

1. Park machine where spray will do no damage.
2. Stop engine.
3. Start sprayer.

IMPORTANT: Avoid damage! To prevent pump damage, stop turning wrench as soon as pump runs smoothly.



MX34863

4. Using a hex wrench, turn set-screw (A) clockwise until pump runs smoothly.
5. Stop sprayer.

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.

Using Troubleshooting Chart

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 on 12 volt plug adapter harness. Adjust pump.

Specifications

Getting Quality Service

15 Gallon Sprayer

Tank57 L (15 gallon)

Pump:

Type Electric Motor and Diaphragm

ManufacturerShur Flo

Current Draw7 amp

Fuse15 amp

System Pressure 689 kPa (100 psi)

Spray Rate 3.8 L/min. (2.1 gal/min.)

Suction Hose Strainer Stainless Steel

Spray Tip Material Plastic

Sprayer Wand:

Material Plastic

Adjustment Fan To Stream

Sprayer:

Spraying Width 152 cm (60 in.)

Weight:

Empty 14 kg (30 lb)

Full 68 kg (150 lb)

Getting 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 your John Deere dealer's parts and service support.

Follow the steps below to get answers to any questions you may have about your product.

1. Refer to the appropriate attachment, machine or equipment operator manuals.
2. Contact your John Deere dealer with unanswered questions.
3. In North America or Canada, call the John Deere Customer Contact Center.
 - Call 1-800-537-8233 and provide product serial number and model number.