



WALKER

A57: Boom Sprayer

Operator's Manual

Safety, Assembly, Operating, and Maintenance Instructions

Compatible on Gear-Driven Decks: 42", 48", 52"

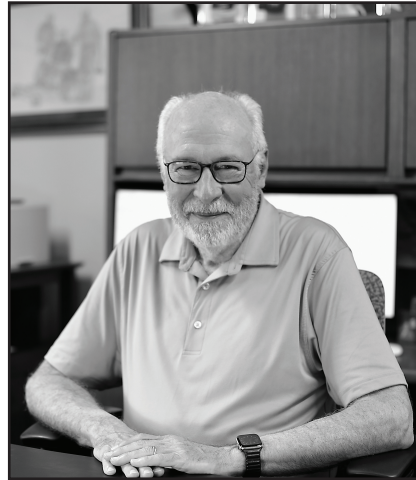


Please Read and Save These Instructions

For Safety, Read All Assembly and Operation Instructions
Prior to Operating Attachment

Release Date: 03.30.2026

P/N: 7662-15



Foreword

Thank you. . . for purchasing an A57 Walker Boom Sprayer. Every effort has been made to provide you with the most reliable equipment on the market, and we are sure you will be among our many satisfied customers. If for any reason this product does not perform to your expectations, please contact your local dealer. Every customer is important to us. Your satisfaction is our goal.

Please. . . read this manual thoroughly! Before you operate your sprayer, please read this entire manual. Some of the information is crucial for proper operation and maintenance of the sprayer—it will help protect your investment and ensure that the equipment performs to your satisfaction. Some of the information is important for your safety and must be read and understood to help prevent possible injury to the operator and others. If anything in this manual is confusing or hard to understand, please contact your local authorized dealer or call our service department, at (970) 221-5614, for clarification before operating or servicing this machine.

This manual covers the A57 Boom Sprayer. **All shields and guards must be in place for the proper and safe operation of this equipment.** Where they are shown removed in this manual, it is for illustration purposes only. **Do not operate this equipment unless all shields and guards are in place.**

Walker Mfg. Co. is continually striving to improve the design and performance of its products. We reserve the right to make changes in specifications and design without thereby incurring any obligation relative to previously manufactured products.

Sincerely,
WALKER MANUFACTURING COMPANY

A handwritten signature in black ink that reads "Bob Walker". The signature is written in a cursive, flowing style.

Bob Walker, Chairman

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General Information

General Information

HIGHLIGHTED INFORMATION

Walker Manufacturing recommends that any service requiring special training or tools be performed by an authorized Walker Mower dealer. There are several general practices to be aware of in the area of safety. Most accidents associated with the operation or maintenance of a Walker Mower are caused by disregarding basic safety precautions or specific warnings. Such accidents, in most cases, can be prevented by being aware of the dangers present.

Information of special importance has been highlighted in bold type in this manual. Refer to **Safety Instructions on page 5** for the meanings of **DANGER, WARNING, CAUTION, IMPORTANT,** and **NOTE.**

GLOSSARY

There are many terms that are either unique to this equipment or that are used as acronyms. The following terms and their definitions will help while using this manual:

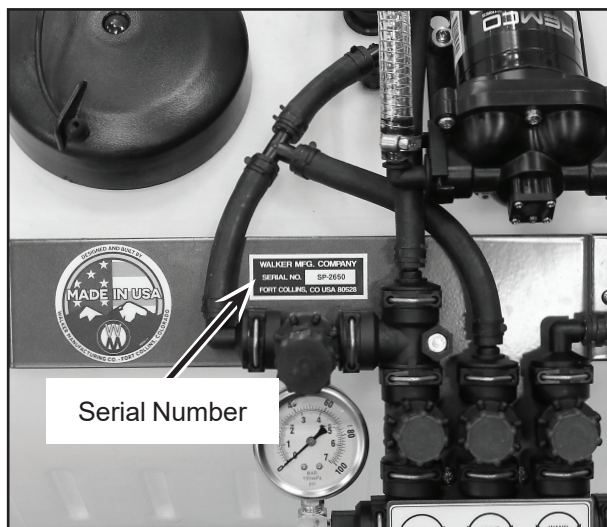
- **LEFT HAND (LH)** refers to the left-hand side of the tractor when the operator is seated facing forward in the tractor seat.
- **RIGHT HAND (RH)** refers to the right-hand side of the tractor when the operator is seated facing forward in the tractor seat.
- **TRACTOR** is the prime mover, including the engine, drivetrain, operator seat, and controls to operate the mower.
- **SPRAYER BOOM** is the spray nozzle support consisting of a central main piece and two (2) folding arms mounted on the front of the tank.
- **SPRAY WAND** is the handheld sprayer.

UNIT DESCRIPTION

The A57 Boom Sprayer utilizes a 26 gallon tank and operates at 40 PSI. The unit has an actual spraying time of about 25 minutes when using the spray wand or 16 minutes when using the boom sprayer. A manifold switch is provided to transition between the boom sprayer and the wand from the operators seat.

Model and Serial Number

The boom sprayer serial number is affixed to the top of the manifold plate. Model and serial numbers are helpful when obtaining replacement parts and maintenance assistance. For ready reference, please record these numbers in the space provided.



Location of Serial Number

Boom Sprayer Model No. _____

Boom Sprayer Serial No. _____

Date of Purchase _____

Specifications

BOOM SPRAYER

A57

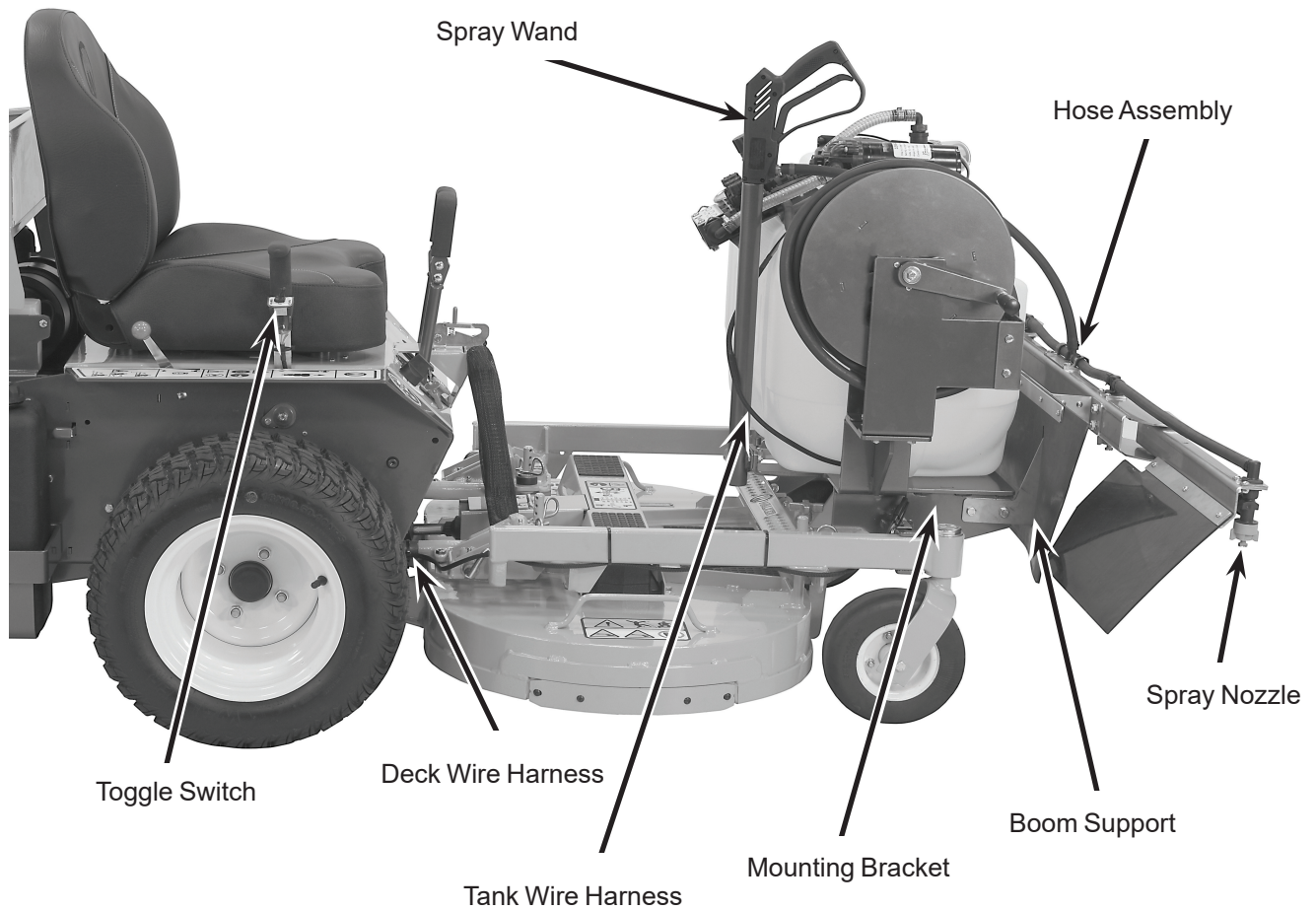
Tank Capacity Gal (L)	26 (98)
Width Tank Only in. (cm)	38.5 (98)
Width w/ Arms Extended in. (cm)	68 (173)
Height in. (cm)	26.5 (67)
Length in. (cm)	24 (61)
Spray Tip Size	11004
Effective Spray Width in. (cm)	108 (274)
Sprayer Weight (Empty) lbs (kg)	100 (45.35 kg)
Pump Type	12V Electric Diaphragm
Current Draw	11 Amps
Fuse Size	15 Amp
System Pressure	60 PSI

NOTE: The manufacturer reserves the right to make changes in specifications shown herein at any time without notice or obligation.

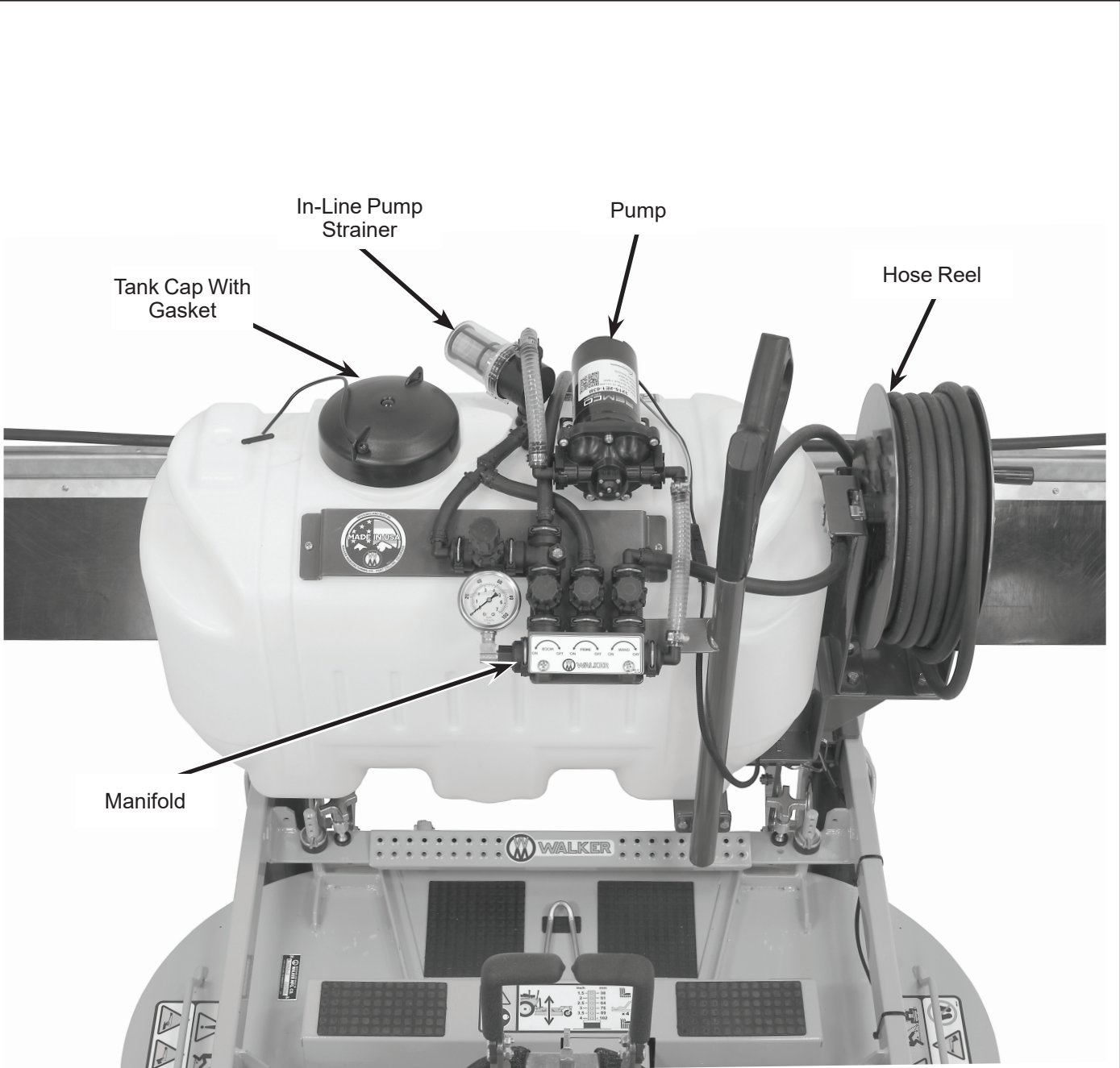
DECK COMPATIBILITY

The A57 Boom Sprayer is designed to go on all 42-in, 48-in, and 52-in. gear-driven decks except the DS48-2.

Component Identification

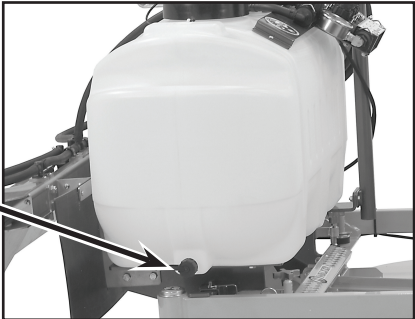


RH Side View



Rear View

Drain Cap




LH Side View

Safety Instructions

Safety Instructions

Pay particular attention to any information labeled **DANGER, WARNING, CAUTION, IMPORTANT,** and **NOTE** in this manual.

When you see the Safety Alert Symbol (), read, understand, and follow the instructions. Failure to comply with safety instructions may result in personal injury.

The seriousness or degree of importance of each type of information is defined as follows:

DANGER

An **IMMEDIATE** hazard that **WILL** result in severe personal injury or **DEATH**, if warning is ignored and proper safety precautions are not taken.

WARNING

A **POTENTIAL** hazard that **COULD** result in severe personal injury or **DEATH**, if warning is ignored and proper safety precautions are not taken.

CAUTION

Possible hazards or unsafe practices that **MAY** result in **MODERATE** personal injury or property damage, or machine damage, if warning is ignored and proper safety precautions are not taken.

IMPORTANT: Identifies mechanical information demanding special attention, since it deals with the possibility of damaging a part or parts of the machine.

NOTE: Identifies information worthy of special attention.

Walker Manufacturing cannot predict every potentially dangerous situation. Therefore, items labeled as such in this manual do not cover all conceivable situations. Any person using procedures, tools, or control techniques not recommended by Walker Manufacturing must take full responsibility for safety.

The Walker Rider Lawnmower has been designed with many safety features to protect the operator from personal harm or injury. However, it is necessary for the operator to use safe operating procedures at all times. **Failure to follow safety instructions contained in this manual may result in personal injury or damage to equipment or property.**

If you have any questions concerning setup, operation, maintenance, or safety, please contact your authorized Walker Mower dealer or call Walker Manufacturing Company at (970) 221-5614.

BEFORE OPERATING

Read and understand the contents of the Operator's Manual for the tractor before starting and operating the machine. Become thoroughly familiar with all machine controls and how to stop the machine and disengage the controls quickly. Replacement Operator's Manuals are available by sending the Model and Serial Number to:

Walker Manufacturing Company
5925 East Harmony Road
Fort Collins, CO 80528

In addition to the safety information provided in the Operator's Manual for the tractor, follow these additional A57 Sprayer safety guidelines:

1. **Always wear adequate protective gear** including long pants, long sleeves, substantial protective footwear, gloves, hat, and eye protection when spraying. Wear a mask or face shield if necessary.
2. Always wear appropriate safety gear when handling and mixing the chemicals used in the sprayer.
3. Inspect the entire sprayer system (tank, hoses, nozzles, pump, etc.) for leaks, cracks, or damage before each use. Ensure all safety guards and decals are in place.
4. If you are using a wettable powder be sure to mix the material well before spraying. After initial manual agitation, mixture can be

maintained by opening the priming valve and running the pump to stir the material to ensure it is thoroughly mixed.

5. Check weather conditions before spraying. Do not spray in high or unpredictable winds to minimize chemical drift to non-target areas. Avoid spraying in very hot, dry conditions, which increase evaporation and drift potential.

OPERATING

In addition to the safety information provided in the Operator's Manual for the tractor, follow these additional A57 Sprayer safety guidelines:

1. Do not use the deck for mowing while the sprayer is installed. The sprayer tank reduces visibility and eliminates the possibility of tilting the deck to clean grass buildup.
2. **Do not use flammable materials in the sprayer.**
3. Never allow the water hose used to fill the tank to reach down into the mixed spray solution. The end of the hose could be contaminated.
4. Keep people, pets, and unauthorized personnel out of the application area during and after spraying for the period recommended on the label of the chemical or solution being applied.
5. Maintain a steady and slow speed between 2-5 MPH (3.2-8.0 Km/h) when spraying. Be aware of changing weather conditions. Any blow back on the operator can be harmful. The chemicals can be absorbed via skin and inhalation.
6. Spraying above shoulder height with the spray wand may cause the operator to be covered by blow back of mist leading to skin exposure plus mist inhalation.
7. Never let the boom sprayer operate in one spot, always turn the boom off when the tractor is stopped.
8. Turn the sprayer off during turns to avoid double spraying.
9. Always properly dispose of excess material in accordance with your local laws and the chemical manufacturer's guidelines.
10. After each spraying session, always properly clean the sprayer for equipment longevity.

MAINTENANCE

NOTE: Always use genuine factory replacement parts. Substitute parts may result in the equipment not functioning as expected and possible injury to the operator and/or others.

CAUTION

Always wear appropriate personal protective equipment while operating and cleaning the sprayer.

CAUTION

Always follow the chemical manufacturer's directions to properly neutralize the chemicals if necessary.

1. Be sure to always follow the chemical manufacturers guidelines when working with, or disposing of any chemical compound utilized in the A57 Boom Sprayer.
2. Clean the boom sprayer according to chemical manufactures guidance to ensure no chemical contamination or corrosion of the tank and equipment occur.

CAUTION

The sprayer is heavy. Team lifting is recommended.

3. Be aware the assembled unit is heavy. When preparing sprayer unit for storage take the proper precautions and utilize team lifting to relocate the unit.

SAFETY, CONTROL, AND INSTRUCTION DECALS

Safety, Control, and Instruction Decals are installed on the machine; if any are missing, illegible, or damaged, a replacement should be ordered and installed before putting the machine into operation. The Decal Part Number is listed below and in the Parts Manual.

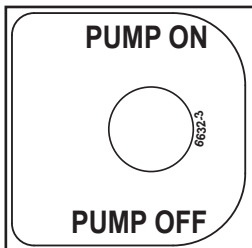
SAFETY, CONTROL, AND INSTRUCTION DECALS

Safety, Control, and Instruction Decals are installed on the equipment; if any are missing, illegible, or damaged, a replacement should be ordered and installed before operating the equipment.



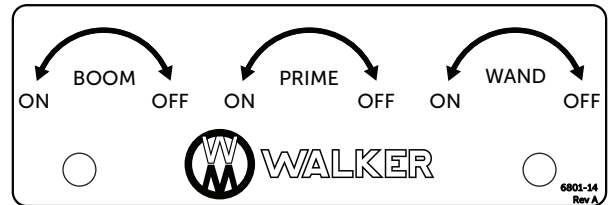
Location: Manifold Plate

Part Number: 6800-24



Location: Switch Mount Bracket on the FSC

Part Number: 6632-3



Location: Manifold Plate

Part Number: 6801-14

Assembly and Installation

Follow these steps to assemble and install the spray tank on a deck.

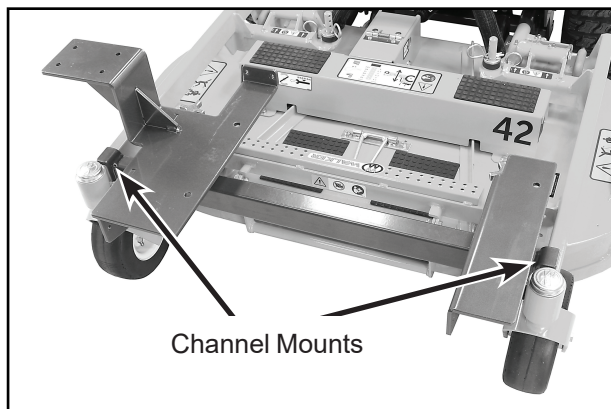
INITIAL INSTALLATION AND ASSEMBLY

Initial installation involves assembly of the sprayer. Once fully assembled, the sprayer can be removed and stored as an assembled unit.

NOTE: Always park the tractor on a smooth, flat surface such as a driveway, sidewalk, garage floor, etc., to mount the sprayer to the deck's carrier frame.

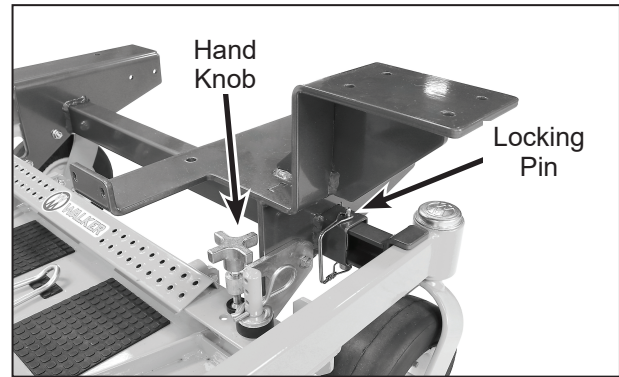
Note: To ensure proper fit, before installing the Mounting Bracket on a 42" deck equipped with the Walker deck height adjuster, the Inside Guard (P/N 7210-14) will need to be removed and replaced with the Guard Mount (P/N 7210-6) provided. See **Frame and mounting Components Parts Diagram** on page 24.

1. Install the Mounting Bracket (P/N 6800-18) on the deck and extend the channel mount to engage the carrier frame arms.



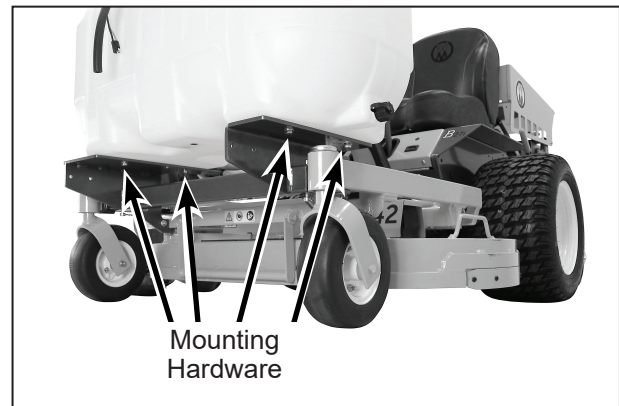
Position Mounting Bracket on Deck

2. Secure the Channel Mounts with the two (2) Wire Lock Pins (P/N 7775-6) on each side and then fully tighten the two (2) Aluminum Hand Knobs (P/N 2703-8).



Secure Mounting Bracket

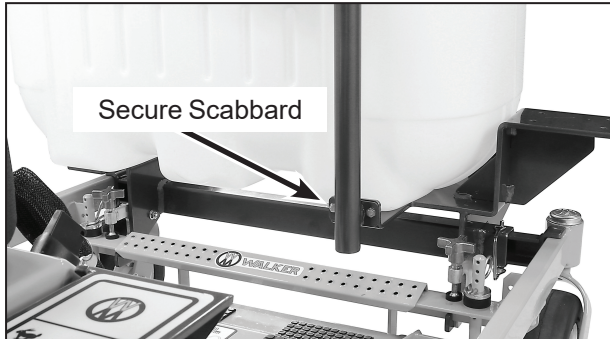
3. Install the Tank (P/N 6801-50) on the Mounting Bracket and secure with the four (4) 5/16-18 x 3/4 hex bolts and four (4) 5/16 split lock washers provided, making sure to fully tighten.



Secure Tank to Mounting Bracket

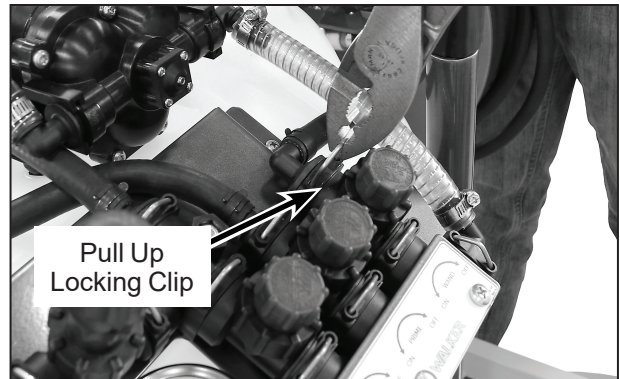
Assembly and Installation

- Secure the Spray Wand Scabbard (P/N 6800-20) to the Mounting Bracket using two (2) 1/4-20 x 3/4 hex bolts and two (2) 1/4-20 flange top lock nuts as shown. Fully tighten.



Secure the Scabbard

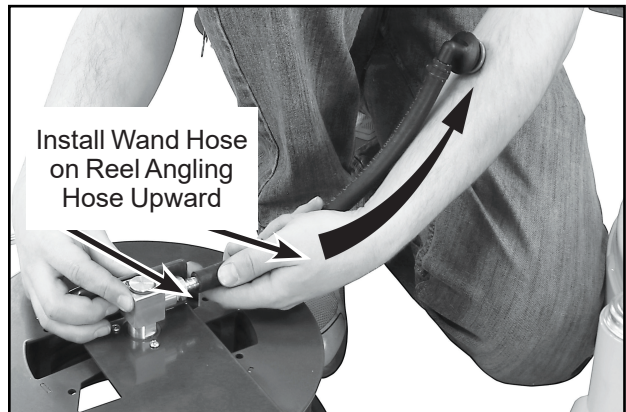
- Pull up on the locking clip to remove the wand hose from the manifold.



Remove Locking Clip for the Wand Hose

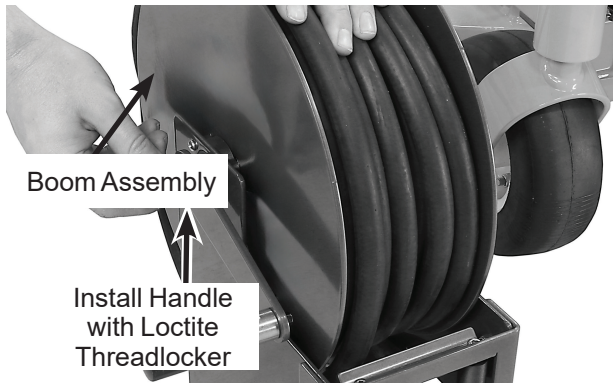
With the hose oriented as shown on the **Install Wand Hose on Reel** photo, install the wand hose on the Hose Reel (P/N 6802) with a 3/4 hose clamp (P/N 5879-6).

NOTE: The hose must angle up as shown for correct orientation when reinstalling it on the manifold.



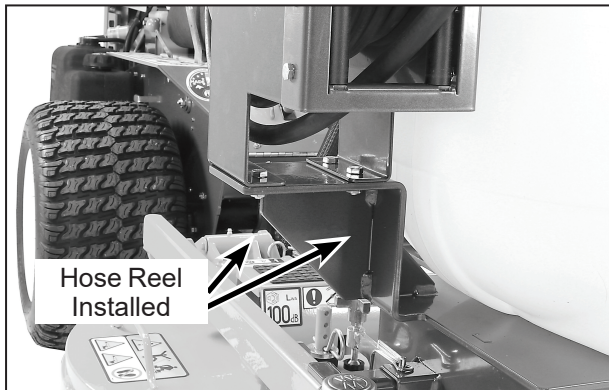
Install Wand Hose on Reel

6. Install the Hose Reel Crank Handle (P/N 6802-9) on the reel by applying the Loctite thread-locker (P/N 7246-1) to the 1/4-20 x 5/8 hex bolt and 1.0 x .255 x .125 washer provided. **Do not over-tighten.**



Install Hose Reel Handle

7. Secure the Hose Reel on the Mount Bracket using the four (4) 5/16-18 x 3/4 hex bolts and four (4) 5/16-18 flange top lock nuts provided. Fully tighten.



Hose Reel Installed

8. Reconnect the wand hose to the manifold and secure with the locking clip that was removed in step 5.

9. Install the boom assembly onto the mounting bracket. Secure with four (4) 5/16-18 x 3/4 hex bolts and the four (4) 5/16-18 flange top lock nuts.



**Secure Boom to Mounting Bracket
(LH Side Shown)**



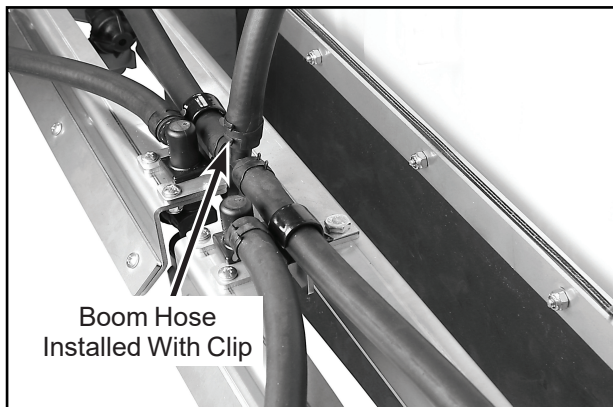
Hose Routing

Note: The boom hose is routed under the pump to the front of the tank.

Assembly and Installation

10. Connect the boom hose from the manifold to the boom and secure with the Hose Clamp (P/N 5879-6).

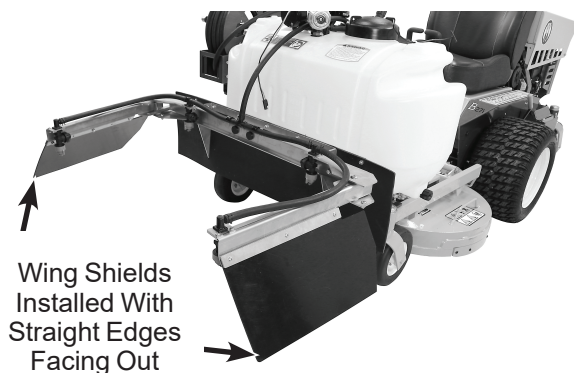
NOTE: Use isopropyl alcohol to lubricate the hose for ease of installation.



Boom Hose
Installed With Clip

Boom Hose Installed

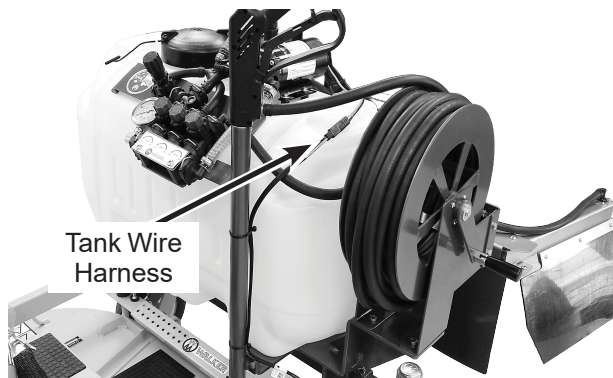
11. Open the Boom Arms to a 90 degree angle and install the Wing Shields (P/N 6801-12) on each side with the straight edge on the outer end of the arm. Use the six (6) 10-24 x 5/8 PPHMS screws and the 10-24 ESNA nuts provided. Fully tighten.



Wing Shields
Installed With
Straight Edges
Facing Out

Wing Shields Installed

12. Disconnect the battery terminals, with the negative (black) terminal first.



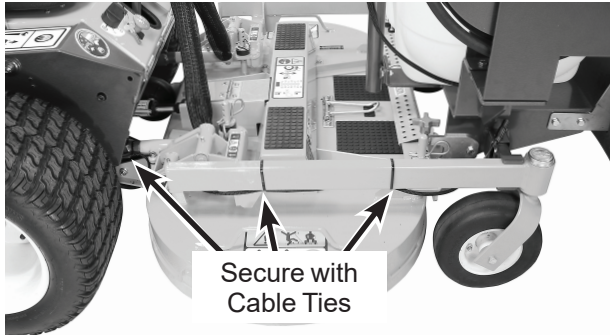
Tank Wire Harness

13. Run the tank harness along the scabbard tube and secure with cable ties.
14. Connect the Tank Wire Harness (P/N 6801-19) to the pump and to the Deck Wire Harness (P/N 6801-20).



Deck Wire Harness

15. Next run the Deck Wire Harness along the bottom inside edge of the RH side of the carrier frame and secure with cable ties to prevent rubbing or pinching.



Connect Deck Wire Harness to Tractor Wire Harness and Secure with Cable Ties

16. Pull excess harness length under the front body. Connect the Deck Harness to the Tractor Wire Harness (P/N 6801-19). Follow the tractor-appropriate instructions to install the harness.

NOTE: The deck harness will accommodate multiple deck sizes. Smaller decks may have excess wire length.

- Step 17 for MC19, MC19i, MD, MT (on page 13)
- Step 18 for MB, MC23i, MS (on page 14)
- Step 19 for MH (on page 15)

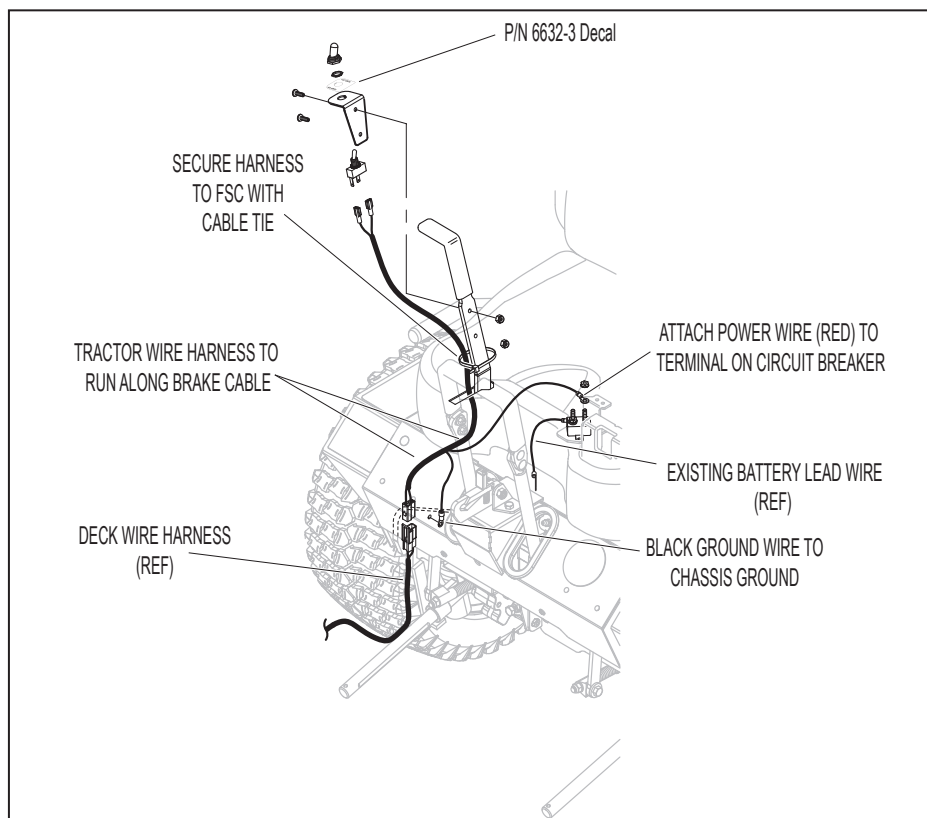
Assembly and Installation

17. Install the harness for a MC19, MC19i, MD, or MT:

- a. Secure the Switch Mount Bracket (P/N 6628-1) to the FSC using two (2) 10-24 x 5/8 PPHMS screws and ESNA nuts as shown and fully tighten. Then secure the Toggle Switch (P/N 5995) and the Switch Boot (P/N 5995-2) to the bracket.
- b. Route the harness as shown in **Install Tractor Wire Harness for MC19, MC19i, MD, and MT** illustration.
- c. Connect the black ground wire to the chassis ground as shown in the illustration.
- d. Connect the harness red wire to the load side of the circuit breaker mounted on the bracket behind the battery as shown in the illustration.

NOTE: Do not over tighten.

- e. Plug the Tractor Wire Harness into the switch as shown. Secure the harness to the FSC with a cable tie.
- f. Use additional cable ties as needed to secure the harness to prevent rubbing or pinching.
- g. Continue the installation with Step 20 on **page 16**.



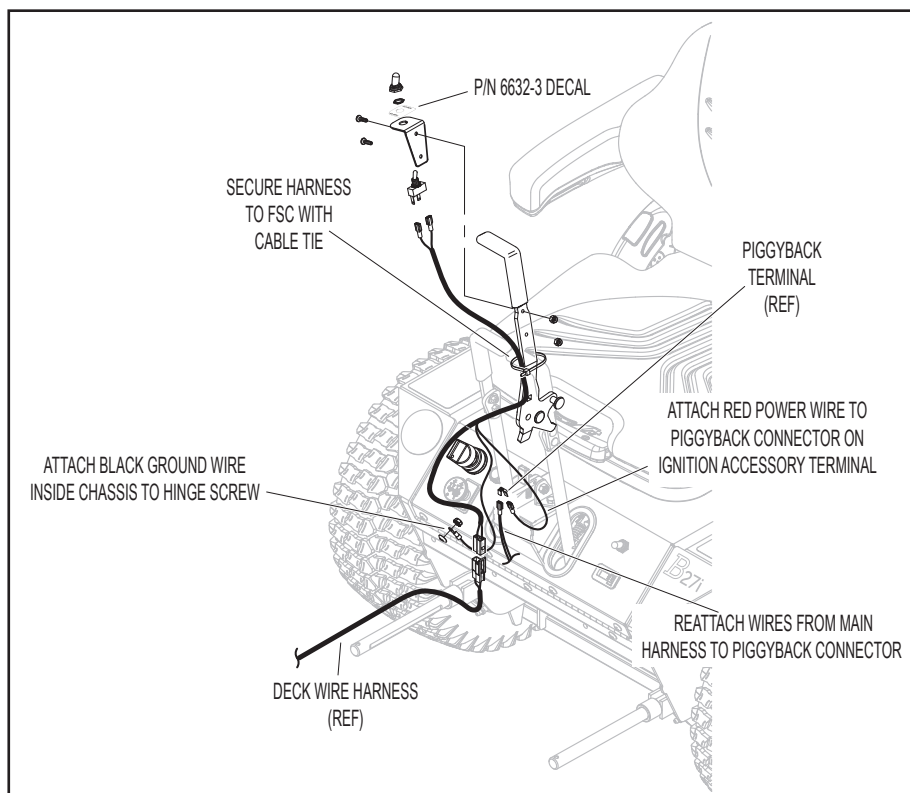
Install Tractor Wire Harness for MC19, MC19i, MD, and MT

18. Install the harness for a MB, MC23i, and MS:

- a. Secure the Switch Mount Bracket (P/N 6628-1) to the FSC using two (2) 10-24 x 5/8 PPHMS screws and the two (2) 10-24 ESNA nuts as shown and fully tighten. Then secure the Toggle Switch (P/N 5995) and the Switch Boot (P/N 5995-2) to the bracket.
- b. Route the harness as shown in **Install Tractor Wire Harness for MB, MC23i, and MS** illustration.
- c. Connect the black ground wire to the RH side of the tractor body hinge as shown.
- d. Cut the ring wire terminal off the red Tractor Harness wire and install the fully insulated male terminal (P/N 5996-32) provided.
- e. Remove the cap from the accessory power wire (purple) that is located under the LH steering lever and attach the red power wire.

NOTE: If the accessory power wire is already in use, piggyback off the hour-meter using the provided piggyback terminal (P/N 5995-5).

- f. Plug Tractor Wire Harness into the switch as shown in the illustration. Secure the wire harness to the FSC using a cable tie.
- g. Use additional cable ties as needed to secure the harness to prevent rubbing or pinching.
- h. Continue the installation with Step 20 on **page 16**.

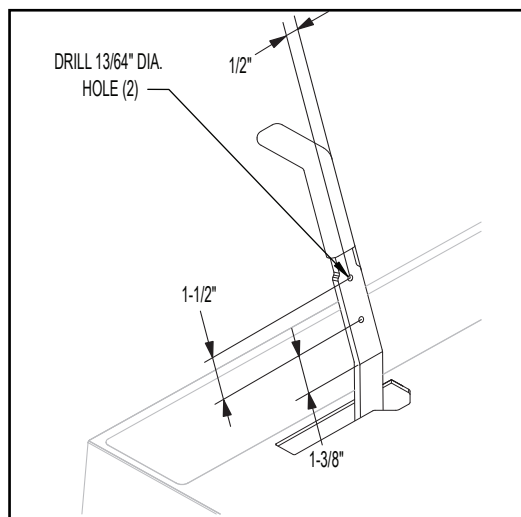


Install Tractor Wire Harness for MB, MC23i, and MS

Assembly and Installation

19. Installing the harness on a MH tractor:

- a. Drill holes in the FSC to mount the switch if needed.

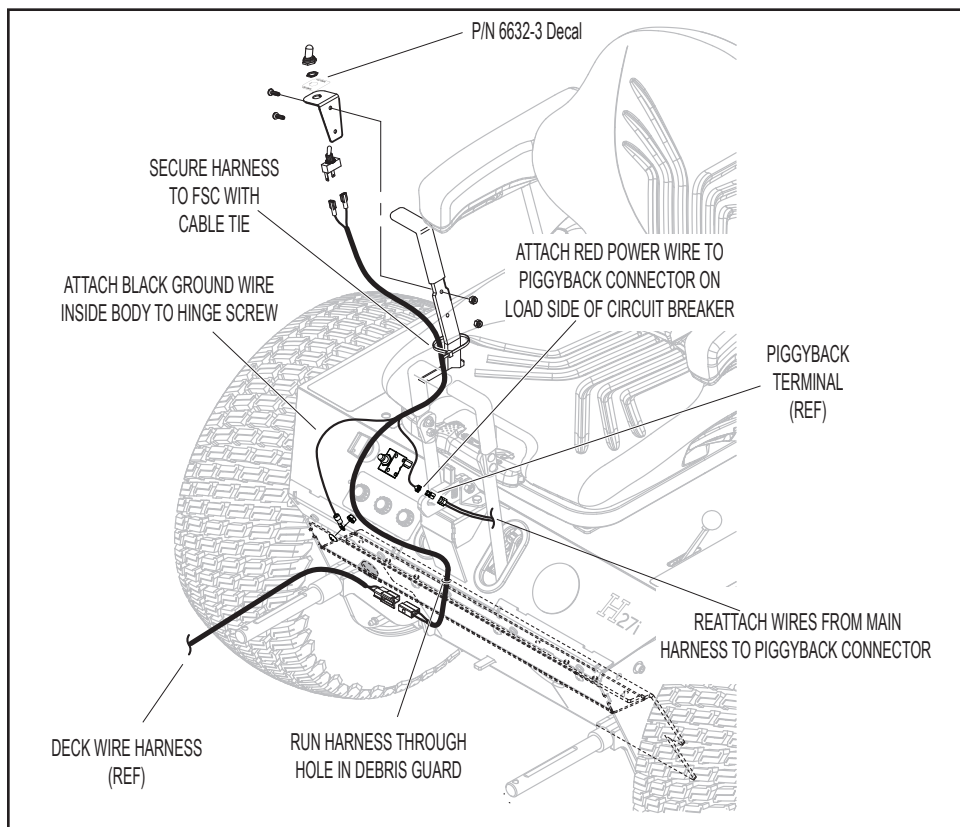


Drill Holes in FSC

- b. Secure the Switch Mount Bracket (P/N 6628-1) to the FSC using two (2) 10-24 x 5/8 PPHMS screws and the two (2) 10-24 ESNA nuts as shown and fully tighten.

Then secure the Toggle Switch (P/N 5995) and the Switch Boot (P/N 5995-2) to the bracket.

- c. Plug the wiring harness into the switch. Secure the harness with a cable tie.
- d. Route the harness through the FSC slot ahead of the FSC lever as shown in the **Install Tractor Wire Harness for MH** illustration. Route harness along front of chassis under the steering levers and through the hole in the rubber debris guard as shown.
- e. Install black ground wire to chassis ground as shown in the illustration.
- f. Cut the ring terminal off the red Tractor Harness wire and install the fully insulated male terminal (P/N 5996-32) provided.
- g. Using the piggyback (P/N 5995-5) terminal install the red wire with the existing wire to the load side of the circuit breaker.
- h. Use additional cable ties as needed to secure the harness to prevent rubbing or pinching.



Install Tractor Wire Harness for MH

20. Reconnect the battery terminals, with the positive (red) terminal first.
21. Check the sprayer switch to make sure the pump turns on.
22. Test the boom sprayer by filling the tank with roughly 5 gallons of water.
 - a. Unfold both side arms and lock into place.
 - b. Check to see that the spray tips are installed correctly so the spray pattern is projecting away from the boom.
 - c. Prime the pump by opening the prime valve on the manifold. Then turn on the pump using the switch mounted to the FSC, and once fluid has filled the lines, close the Prime Valve.

NOTE: If you look in the tank, you should see the recirculation (priming) line agitating the solution.
 - d. With the prime valve closed, open the boom valve and verify the spray tips are providing adequate coverage.
 - e. Close boom valve, test the spray wand by opening the spray wand valve to ensure leak-free operation.

Operating

Operating

CHEMICAL SAFETY

Always adhere to the following guidelines when working with the sprayer.

- **Do not use flammable materials in this sprayer.**
- Follow the spray material manufacturer's directions for each chemical.
- Ensure you wear the proper personal protective equipment specified in the spray manufacturer users guide. Avoiding eyes, skin, etc.
- Never allow the water hose used to fill the tank to reach down into the mixed spray solution. The end of the spray hose could be contaminated.
- Always follow the spray manufacturer's directions to properly neutralize the chemicals during the post-use cleaning of the sprayer.
- A material safety data sheet (MSDS) provides specific details on any spray material being used and should be available on request from each chemical manufacturer or distributor.

PUMP OPERATING PRESSURES AND FLOW RATES

The Remco pump pressure is adjustable using the manifold. The max pressure is 60 PSI, and recommended operating pressure is 40 PSI.

Spray Boom Flow Rate

The spray boom has four (4) 11004 spray tips that are positioned 16" from the ground.

- **At 40 PSI (optimal)** the spray boom has a total flow rate of 1.6 gallons (7.2 L) per minute.
- **At 60 PSI (max)**, the spray boom has a total flow rate of 1.96 gallons (7.42 L) per minute.

Spray Wand Flow Rate

The spray wand has a variable flow rate based on the operating PSI.

- **At 40 PSI (optimal)**
Straight Spray: 1.04 gallons (3.948 L) per min.
Cone Spray: 0.48 gallons (1.82 L) per min.
- **At 60 PSI (max)**
Straight Spray: 1.26 gallons (4.77 L) per min.
Cone Spray: 0.77 gallons (2.91 L) per min.

SPRAY DURATION (TIME PER TANK)

The flow rates with the operating pressure at 40 PSI result in actual spraying times of:

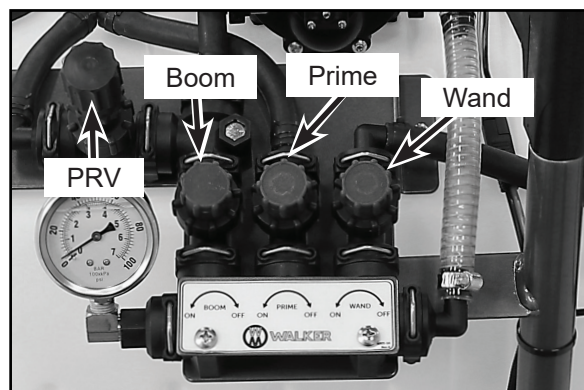
- **16 minutes** with the spray boom
- **25 minutes** with the spray wand in straight spray mode

CALIBRATING BOOM SPRAYER APPLICATION RATE

Recommended speed, **between 2-5 MPH (3.2-8.0 Km/h)** during operation of the boom sprayer.

TeeJet TT11004 Tip Application Chart				Turf Application (Gallons per 1000 sq ft)				Gallons Per Acre (GPA)	
PSI	Droplet Size	Tip Capacity gpm	Tip Capacity oz/min	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	5 MPH
15	Extra Coarse	0.24	31	14.74	11.84	9.85	7.37	5.9	4.9
20	Very Coarse	0.28	36	17.39	13.75	11.51	8.61	6.9	5.7
30	Coarse	0.35	45	21.5	17.39	14.33	10.77	8.6	7.2
40	Medium	0.4	51	24.8	19.87	16.4	12.34	9.9	8.2
50	Medium	0.45	58	27.3	22.36	18.22	13.83	11.1	9.2
60	Medium	0.49	63	29.8	24	19.87	15.07	12.1	10

MANIFOLD



Manifold

There are four (4) valves on the manifold:

- Pressure Regulating Valve (PRV)
- Boom Valve
- Prime Valve
- Wand Valve

The **Prime Valve** is used when the wand and boom are both turned off to prime the pump. Once the pump is primed, this valve should remain closed during use.

The **Wand Valve** and the **Boom Valve** control flow to the wand and the boom respectively. It is not recommended to use both the wand and the boom simultaneously, as the pressure fluctuations make it difficult to maintain an accurate application rate across the boom.

The **Pressure Regulating Valve (PRV)** sets the operating pressure for the Boom. The pressure gauge enables the operator to adjust the flow rate.

OPERATING THE SPRAYER

CAUTION

Always wear adequate protective gear including long pants, long sleeves, substantial protective footwear, gloves, hat, and eye protection when spraying. Wear a mask or face shield if necessary.

CAUTION

Check weather conditions before spraying. Do not spray in high or unpredictable winds to minimize chemical drift to non-target areas. Avoid spraying in very hot, dry conditions, which increase evaporation and drift potential.

CAUTION

Do not use the deck for mowing while the sprayer is installed. The sprayer tank reduces visibility and eliminates the possibility of tilting the deck to clean grass buildup.

1. Inspect the entire sprayer system (tank, hoses, nozzles, pump, etc.) for leaks, cracks, or damage before each use. Ensure all safety guards and decals are in place.
2. Calculate the amount of chemical needed to complete the job using the application rate, and only mix what is needed.
3. Ensure you wear the proper protective gear when filling the tank. For specific guidelines refer to the product safety manual of your spray manufacturer.
4. Fill the sprayer where spills cannot harm the vegetation or surrounding area.

NOTE: If you are using a wettable powder be sure to mix the material well before spraying. After initial manual agitation, mixture can be maintained by opening the priming valve and running the pump to stir the material to ensure it is thoroughly mixed.
5. Turn the tractor on and relocate to desired spray area.
6. Always be aware of your surroundings, ensuring no persons, or unintended objects are in the direction of spray or in front of an operating boom at anytime.

Operating



CAUTION

Do not use boom without all three (3) shields installed.

7. Unfold both side arms before operation and ensure they are locked in place.
8. Prime the pump by opening the Prime Valve on the manifold, then turning on the pump using the switch mounted to the FSC. Once fluid has filled the lines, close the Prime Valve.

NOTE: If you look in the tank you should see the recirculation (priming) line agitating the solution.

IMPORTANT: Never let the sprayer operate in one spot, always turn the pump off when you are no longer spraying.

9. With the pump on, use the Boom Valve to turn on the spray boom or the Wand Valve to turn on the spray wand. If using the boom, use the PRV knob to adjust the pressure until the gauge reads 40 PSI. Only use the spray boom once actively moving and ready to spray.

IMPORTANT: Boom arms are equipped with breakaway functionality. To minimize damage during accidental impact with another object. Never purposefully make contact with another object and the Boom Sprayer. If breakaway functionality is engaged while in operation, stop the tractor, turn off the boom, readjust the boom arms, and ensure the nozzle tips are in proper working condition before resuming operations.

NOTE: Turn the sprayer off during turns to avoid double spraying.



CAUTION

Maintain a steady and slow speed around 2-3 MPH (3.2-4.8 Km/h) when spraying. Be aware of changing weather conditions. Any blow back on the operator can be harmful. The chemicals can be absorbed via skin and inhalation.

10. To use the spray wand, pull the trigger, which will open the sprayer, and to stop the flow, release the trigger.

STOPPING OPERATION

To stop the sprayer:

1. Turn off the pump.
2. Close the valves.
3. Turn off tractor.
4. Fold in the boom arms, and reel in the hose.

IMPORTANT: If you feel resistance while reeling the hose, stop and check for binding and fix any issues before continuing, to mitigate potential damage to the hose and equipment.

5. Return spray wand to the scabbard.
6. If the spray session is complete, follow the instructions to clean the sprayer in the following section.
7. **NOTE:** Draining the tank is recommended after each use. Be sure to store or dispose of the chemical solution according to the manufacturer's safety guidelines and specifications.

Maintenance

NOTE: Always use genuine factory replacement parts. Substitute parts may result in the equipment not functioning as expected and possible injury to the operator and/or others.

CLEANING THE SPRAYER

After every spray session, it is recommended to follow these steps to clean the sprayer. Always follow the spray manufacturer's directions to properly neutralize the chemicals during the post-use cleaning of the sprayer.

 **CAUTION**

Always wear appropriate personal protective equipment while operating and cleaning the sprayer.

 **CAUTION**

Always follow the chemical manufacturer's directions to properly neutralize the chemicals if necessary.

1. Dilute the remaining chemical with water or according to your chemical manufacturers guidelines and spray the mixture on the area just treated until it is gone.
2. For general cleaning, rinse the tank, spray wand, and boom with water. Operate the spray nozzles until all the water is gone.

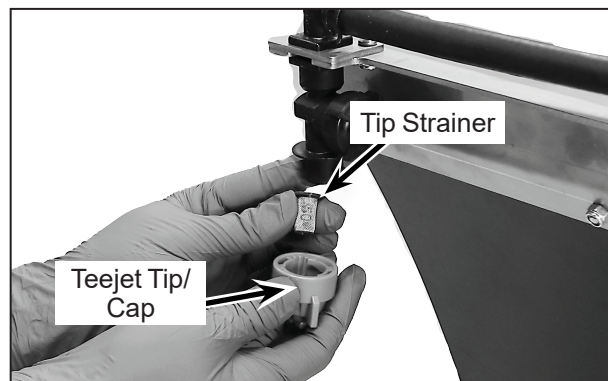
CLEANING THE STRAINERS

Clean the strainers before extended storage or if the spray performance is impeded.

Spray Boom Nozzle Strainers

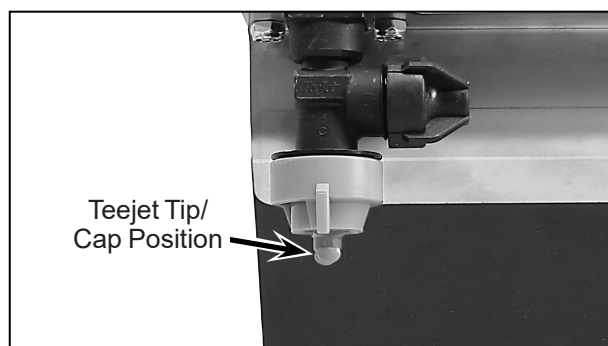
1. For each spray nozzle, remove the Teejet Tip/Cap (P/N 6801-26) from the hose assembly.

NOTE: Upon removing the Teejet Tip/Cap if the strainer does not drop down with the cap, replace the nozzle and gently tap on the side of the nozzle. Now remove the nozzle and the strainer should drop down with it.



Tip Strainer

2. Wash the Nozzle Strainer (P/N 6801-8) and Teejet Spray Tip/Cap under a faucet.
3. Reinstall the strainer and tip, ensuring the cap is facing with the sprayer side out.



Proper Teejet Tip/ Cap Position

4. Proper Teejet Tip/Cap Direction

NOTE: Use care when cleaning the spray tips. Even the slightest damage from improper handling and cleaning can cause both an increased flow rate and poor spray distribution.

Maintenance

In-Line Pump Strainer

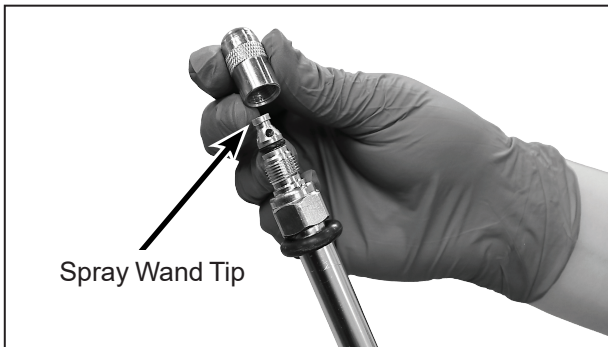
To clean the In-Line Pump Strainer (P/N 6801-16), remove the screw-on cup that holds the strainer. Wash the strainer under a faucet, and reinstall it.



In-Line Pump Strainer

CLEANING THE SPRAY WAND TIP

The wand tip can be rinsed if spray is impeded. Unscrew the spray wand tip from the spray wand. Wash the tip under a faucet and reinstall.



Spray Wand Tip

STORING THE SPRAYER

Follow this procedure before storing the sprayer.

1. Store the unit dry. Clean the sprayer using the steps provided in the section **Cleaning the Sprayer** on page 20.
2. Clean the strainers using the steps outlined in the section **Cleaning the Strainers** on page 20.
3. Prep the A57 Boom Sprayer for storage with the arms folded in, hose reeled in, and the spray wand in the scabbard.
4. Disconnect the Deck Wire Harness (P/N 6801-20) from the Tractor Wire Harness (P/N 6801-21), and secure the tractor harness safely into the tractor.
5. Loosen the Hand Knobs (P/N 2703-8), and remove both the Wire-Lock Pins (P/N 7775-6) to release the Mounting Bracket (P/N 6800-18) from the deck.

CAUTION

The sprayer is heavy. Team lifting is recommended.

6. Do not rest the tank on the boom. Place a 2x4 board under the front of the sprayer to balance it and keep weight off the boom.

NOTE: It is recommended to protect the sprayer from freezing weather if possible.

Troubleshooting

Reference this section for trouble shooting common issues. If the issue is not corrected using any of these common resolutions, contact your local authorized Walker Dealer.

PUMP LOSES SUCTION

1. Clean the In-Line Pump Strainer as detailed on **page 21**.
2. Check for loose or cracked fittings on the suction side of the pump.

PUMP CAPACITY DECREASED

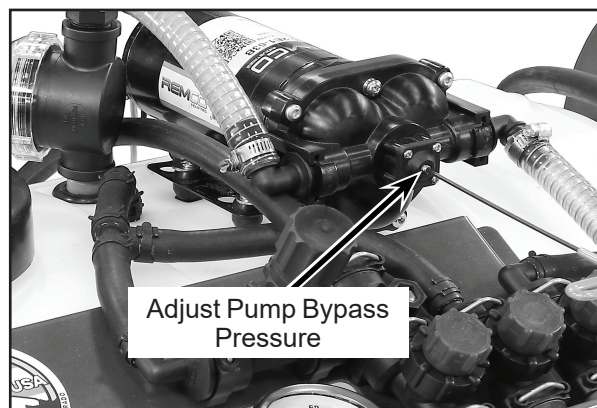
1. Follow the steps on **Cleaning the Strainers on page 20**.
2. Check the Boom Valve to ensure it is closed before operating the spray wand to maintain even pressure.
3. Check that the priming valve is fully closed.
4. Verify that the hose isn't kinked, restricting flow.

POOR SPRAY PATTERN

1. Follow the steps to clean the **Spray Boom Nozzle Strainers on page 20**.
2. Inspect the Spray Tips for damage. Worn or damaged spray tips will result in poor and inconsistent spray patterns.

PUMP VIBRATES OR SWITCHES ON AND OFF

Close all valves. Adjust the pump bypass pressure using an Allen wrench. Turn the screw **clockwise** to increase the pump pressure and alleviate the pump turning on and off, the set pressure should not exceed 60 PSI. This condition could exist when the spray wand is being used in the fine mist spray pattern where flow is restricted. The condition of the pump turning on and off will not hurt the pump.



Adjust the Pump Bypass Pressure

PUMP DOES NOT RUN

1. Check the condition of the battery.
2. Check the wire harness condition and connections. Inspect the switch.
3. Be sure either the spray wand or the spray boom valve is open allowing the pump to operate.

FRAME AND MOUNTING COMPONENTS PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Hose Reel Components				Fasteners			
1	6801-1	Hose Reel Folding Handle	1	F005	1/4-20 ESNA Nut		11
2	6802-9	Hose Reel Crank Handle	1	F007	5/16-18 Jam Nut		2
3	6802-11	Hose Reel Clamp Bushing	1	F023	10-24 ESNA Nut		25
4	5835-6	Clamp Half (5/8) .280 Hole	3	F026	10-24 x 1/2 PPHMS		14
5	6802	Hose Reel	1	F027	10-24 x 5/8 PPHMS		8
6	6802-5	Hose Reel Outer Leg Bushing	1	F028	10-24 x 3/4 PPHMS		5
7	6802-1	Hose Reel Outside Leg, LH	1	F029	1/4-20 x 1/2 Hex Bolt		1
8	6802-4	Hose Reel Fairlead Rollers	2	F031	1/4-20 x 5/8 Hex Bolt		7
9	6802-3	Hose Reel Fairlead Plate	1	F032	1/4-20 x 3/4 Hex Bolt		2
10	6802-2	Hose Reel Outside Leg, RH	1	F034	5/16-18 x 3/4 Hex Bolt		8
Frame Components				F049	5/16 SAE Washer		4
11	6800-18	Mounting Bracket	1	F050	1/4 SAE Washer		1
12	6800-9	Clamp Bolt	2	F086	#10 SAE Washer		2
13	6800-12	Leg Plate Mount	2	F091	5/16-18 x 5/8 Hex Bolt		4
14	2703-8	Aluminum Hand Knob (5/16-18)	2	F105	1/4-20 x 2 PPH Bolt		2
15	6800-20	Spray Wand Scabbard	1	F146	1/4-20 Jam Nut		1
16	6800-21	Manifold Decal Backing Plate	1	F179	1/4-20 x 1 Hex Bolt		1
17	6800-22	Manifold Plate	1	F226	5/16-18 x 7/8 Hex Bolt		4
18	5856-1	Decal, Made In USA	1	F236	1/4-20 x 1-3/4 Hex Bolt		1
19	6800-2	Channel Mount	2	F442	1/4-20 x 5/8 PTHMS		2
20	7775-6	Wire Lock Pin (2-1/2")	2	F551	5/16-18 Flange Top Lock Nut		16
Boom Components				F569	1/4-20 Flange Top Lock Nut		5
21	6801-11	Center Shield	1	F615	1.0 x .255 x .125 Washer		1
22	6802-7	Center Shield Mounting Plate	1	F737	1/4-20 Center Lock Nut, GR B		2
23	6800-13	Boom Mount, LH	1	F749	5/16-18 Nyloc Nut, SS		6
24	6802-8	Wing Shield Backing Plate	2	F750	5/16-18 x 2-3/4 Wide Truss Head SS		2
25	6801-12	Wing Shield	2	F751	5/16-18 x 5/8 Button Head Cap Screw (SS)		4
26	6800-19	Nozzle Bracket Clamp	4	F752	#10 Phillips Pan Hi-Low Screw		6
27	6800-17	Boom Arm, LH	1	F753	1/4-20 x 3 Socket Head Cap Screw SS		2
28	5141	FSC Friction Washer (1-1/2 x 3/8 x 1/16)	2	F756	M6 x 12 Hex Head - Stainless		1
29	5553-1	Compression Spring (1/2 x 2)	2				
30	6802-6	Center Shield Mounting Bracket	1				
31	6802-10	Bushing (.5 x .313 x .530)	2				
32	6800-15	Boom Center	1				
33	7307-9	Pull Through Bumper	2				
34	6800-23	Boom Rubber Bumper Plate	1				
35	6800-16	Boom Arm, RH	1				
36	6800-14	Boom Mount, RH	1				
37	7210-6	Guard Mount Inside	1*				

* Only used when installing on 42" decks equipped with Deck Height Adjuster. To ensure the sprayer fits correctly, P/N 7210-14 (Inside Guard, RH DHA) must be removed and replaced with P/N 7210-6 (Guard Mount Inside).

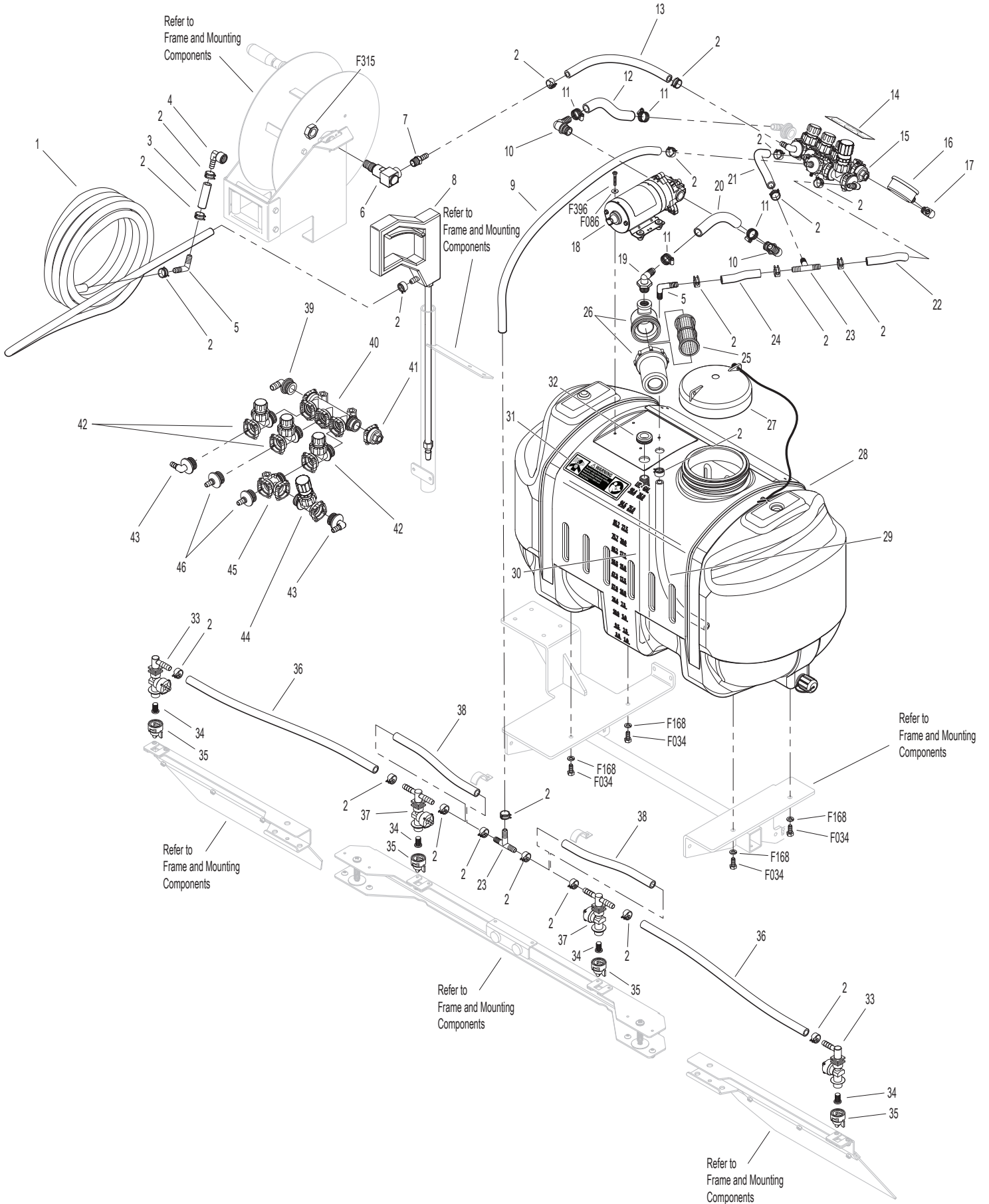
Use only genuine **Walker®** replacement parts.

PUMP AND SPRAY COMPONENTS PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Spray Wand Components				Tank Components			
1	M376	3/8" ID Hose (50')	1	27	6801-36	Tank Cap W/Gasket	1
2	5879-6	Hose Clamp (3/4)	23	28	6801-0	26 Gallon Tank	1
3	M376	3/8" ID Hose (2")	1	29	M376	3/8" ID Hose (24")	1
4	6801-2	Hose Reel 3/8" Hose Barb Elbow to 3/8 Female NPT	1	30	6801-22	Pump Fill Tube	1
5	6801-4	Hose Reel 3/8" Hose Barb Elbow to 3/8" Hose Barb	2	31	6800-24	Decal, Chemical Hazard	1
6	6801-3	Hose Reel 3/8" Male NPT to 3/8 Female NPT Swivel	1	32	7977-1	Grommet (1/8 x 1-1/16)	1
7	6801-23	Hose Barb 3/8 x 3/8	1	Boom Components			
8	6801-17	Pistol Grip Spray Wand	1	33	6801-5	Quick Nozzle Body Elbow QJ200	2
Pump, Manifold, and Primer Components				34	6801-8	Nozzle Strainer (50 Mesh)	4
9	M376	3/8" ID Hose (24")	1	35	6801-26	Teejet Tip / Cap (0.4 GPM)	4
10	6801-18	Pump Quick Connect 1/2" Hose Barb Elbow	2	36	M376	3/8" ID Hose (21")	2
11	7840-6	Hose Clamp (5/16 to 7/8)	4	37	6801-6	Quick Nozzle Body Tee QJ200	2
12	M377	1/2" Clear PVC Wire Hose (8")	1	38	M376	3/8" ID Hose (10-1/2")	2
13	M376	3/8" ID Hose (12")	1	Manifold Replacement Components			
14	6801-14	Decal, Manifold	1	39	6801-29	1/2 90° Hose Barb Male	1
15	6801	Manifold (Includes Items # 39-46)	1	40	6801-27	3 Outlet Manifold	1
16	6801-13	Pressure Gauge	1	41	6801-28	NPT-F 1/4" Thread Female	1
17	6801-24	1/4 MNPT x 1/4 FNPT Elbow	1	42	6801-30	Manual On/Off Straight	3
18	6801-15	Pump	1	43	6801-31	3/8 90° Hose Barb Male	2
19	6801-25	90 Degree Elbow 1/2 Hose 1/2 NPT Male (Poly)	1	44	6801-34	PRV Valve ORS	1
20	M377	1/2" Clear PVC Wire Hose (6")	1	45	6801-33	2-Outlet ORS-F Splitter (F x F x M)	1
21	M376	3/8" ID Hose (7")	1	46	6801-32	3/8 Straight Hose Barb Male	2
22	M376	3/8" ID Hose (4")	1	Fasteners			
23	6801-9	3/8" Hose Barb Tee (Poly/Prop)	2	F034	5/16-18 x 3/4 Hex Bolt		4
24	M376	3/8" ID Hose (3")	1	F086	#10 SAE Washer		4
25	6801-35	Strainer	1	F168	5/16 Split Lock Washer		4
26	6801-16	In-Line Pump Strainer	1	F315	3/4-16 Jam Nut		1
				F396	10-24 x 1-1/4 PPH Bolt		4

Use only genuine **Walker®** replacement parts.

PUMP AND SPRAY COMPONENTS PARTS DIAGRAM

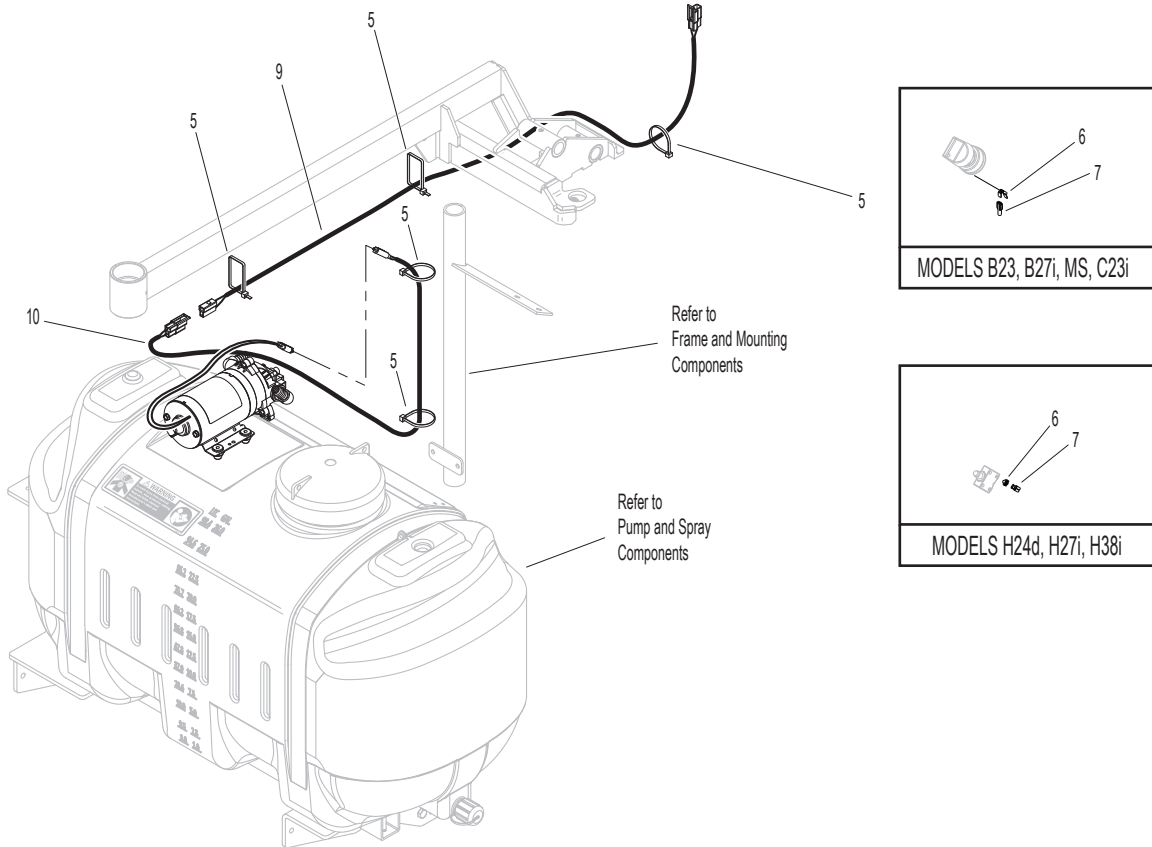
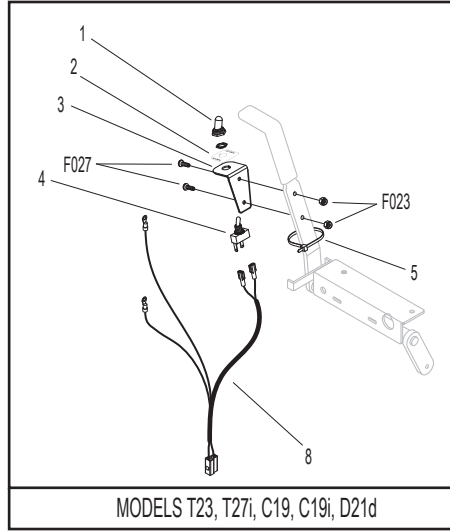
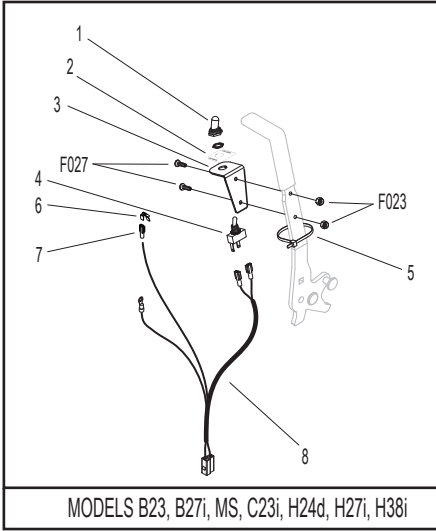


ELECTRICAL COMPONENTS PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D	ITEM NO.	PART NO.	DESCRIPTION	NO. REQ'D
Electrical Components				Fasteners			
1	5995-2	Switch Boot	1	F023	10-24 ESNA Nut		2
2	6632-3	Decal, Pump Switch	1	F027	10-24 x 5/8 PPHMS		2
3	6628-1	Switch Mount Bracket	1				
4	5995	Toggle Switch (Off-On)	1				
5	5975-3	Cable Tie (50# x 7")	7				
6	5995-5	Piggyback Terminal	1*				
7	5996-32	1/4 x 16-14 GA QKS Terminal (M) (Fully Insulated)	1*				
8	6801-21	Tractor Wire Harness	1				
9	6801-20	Deck Wire Harness	1				
10	6801-19	Tank Wire Harness	1				

* **When installing the harness on MB23, MB27i, and MS Tractors**, use piggyback terminal on ignition accessory terminal. **When installing the harness on MH24d, MH27i, and MH38i Tractors**, use piggyback terminal on circuit breaker.

ELECTRICAL COMPONENTS PARTS DIAGRAM



LIMITED WARRANTY FOR WALKER A57 BOOM SPRAYER ATTACHMENT

1. What this warranty covers, and for how long:

Walker Manufacturing company will, at its option, repair or replace, without charge, any part covered by this warranty which is found to be defective in material and/or workmanship within one (1) year after date of sale to the original retail purchaser unless the product is used for rental purposes, in which case this warranty is limited to ninety (90) days. At Walker's request, customer will make the defective part available for inspection by Walker and/or return the defective part to Walker, transportation charges prepaid. All parts and components of the Walker A57 Boom Sprayer Attachment are covered by this warranty.

2. What this warranty does not cover:

A. This warranty does not cover defects caused by depreciation or damage caused by normal wear, accidents, improper maintenance, improper use or abuse of the product, alterations, or failure to follow the instructions contained in the Operator's Manual for operation and maintenance.

B. The customer shall pay any charges for making service calls and/or for transporting the attachment to and from the place where the inspection and/or warranty work is performed.

3. How to obtain service under this warranty:

Warranty service can be arranged by contacting the dealer where you purchased the attachment or by contacting Walker Manufacturing Company, 5925 East Harmony Road, Ft. Collins, CO 80528. Proof of the date of purchase may be required to verify warranty coverage.

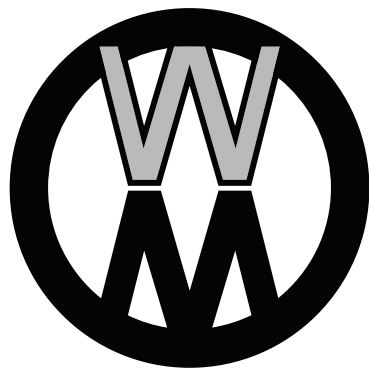
4. Warranty limitation:

A. **THERE IS NO OTHER EXPRESS WARRANTY. ANY WARRANTY THAT MAY BE IMPLIED FROM THIS PURCHASE INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IS HEREBY LIMITED TO THE DURATION OF THIS WARRANTY AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

B. **WALKER WILL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES AND/OR EXPENSES IN CONNECTION WITH THE PURCHASE OR USE OF THE ATTACHMENT.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you.

C. Only the warranty expressed in this limited warranty shall apply and no dealer, distributor, or individual is authorized to amend, modify, or extend this warranty in any way. Accordingly, additional statements such as dealer advertising or presentations, whether oral or written, do not constitute warranties by Walker, and should not be relied upon.

D. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



WALKER

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