

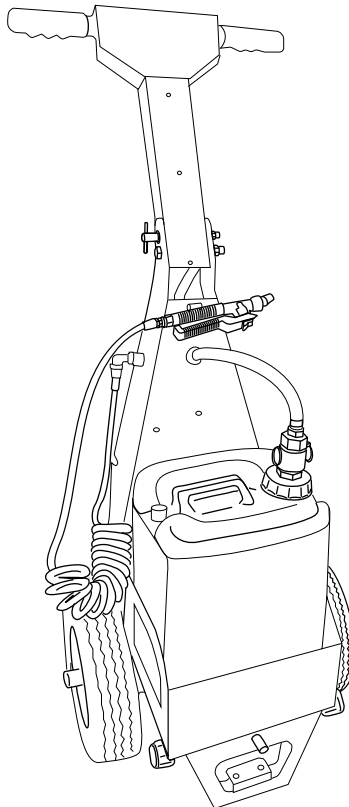


2010 The BOSS Way  
Iron Mountain, MI 49801  
United States

# Owner's Manual

## Genesis Series Push Pal®

Part No. LIQ28848—Serial No. 40000000 and Up



This product complies with all relevant European directives; for details, please see the separate product specific Declaration of Conformity (DOC) sheet.

BOSS Products limited consumer warranty and BOSS Products commercial warranty policies are located at [www.bossplow.com](http://www.bossplow.com).

Patents [www.ttcopats.com](http://www.ttcopats.com)

**⚠ WARNING**

**CALIFORNIA  
Proposition 65 Warning**

**The power cord on this product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.**

**Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.**

**Use of this product may cause exposure to chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.**

# Introduction

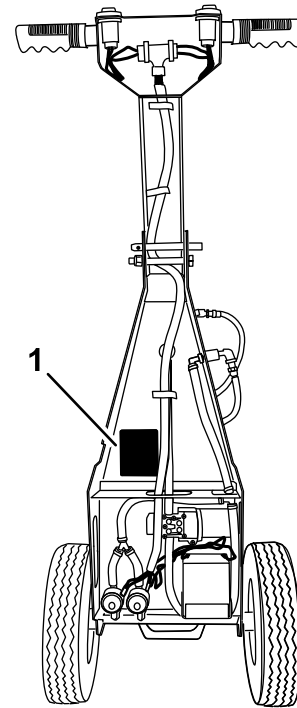
This walk-behind machine is intended to be used by professional, hired operators. It is designed primarily for spraying ice-control solutions on residential or commercial properties. Using this product for purposes other than its intended use could prove dangerous to you and bystanders.

Read this information carefully to learn how to operate and maintain your product properly and to avoid injury and product damage. You are responsible for operating the product properly and safely.

Visit [www.bossplow.com](http://www.bossplow.com) for product safety and operation training materials, accessory information, help finding a dealer, or to register your product.

Whenever you need service, genuine BOSS parts, or additional information, contact an Authorized BOSS Dealer or BOSS Technical Service (1-800-286-4155) and have the model and serial numbers of your product ready. **Figure 1** identifies the location of the

model and serial numbers on the product. Write the numbers in the space provided.



**Figure 1**

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1. Model and serial number location

Date Purchased	_____
Model No.	_____
Serial No.	_____

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# Safety

## Safety-Alert Symbol

The safety-alert symbol (Figure 2) shown in this manual and on the machine identifies important safety messages that you must follow to prevent accidents.



**Figure 2**  
Safety-alert symbol

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The safety-alert symbol appears above information that alerts you to unsafe actions or situations and is followed by the word **DANGER**, **WARNING**, or **CAUTION**.

**DANGER** indicates an imminently hazardous situation which, if not avoided, **will** result in death or serious injury.

**WARNING** indicates a potentially hazardous situation which, if not avoided, **could** result in death or serious injury.

**CAUTION** indicates a potentially hazardous situation which, if not avoided, **may** result in minor or moderate injury.

This manual uses two other words to highlight information. **Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

## General Safety

Always follow all safety instructions to avoid serious personal injury.

- Read the *Owner's Manual* before operating or servicing the machine.
- Keep your hands, feet, and clothing away from moving parts.
- Do not operate the machine without all guards and other safety protective devices in place and functioning properly on the machine.
- Keep bystanders and children out of the operating area.
- Do not allow children to operate the machine. Allow only people who are responsible, trained, familiar with the instructions, and physically capable to operate the machine.
- Shut off the machine before servicing or unclogging it.

Safety data sheets (SDS) are available at [www.bosspow.com](http://www.bosspow.com) on the Tech Support/Technical Information page.

# Safety and Instructional Decals

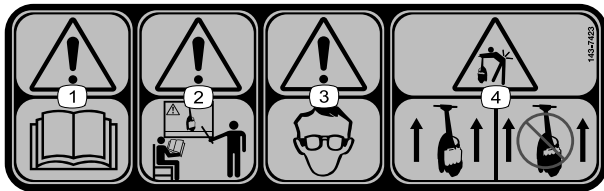


Safety decals and instructions are easily visible and are located near areas of potential danger. Replace every damaged or missing decal.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). For more information, please visit [www.tcoCAProp65.com](http://www.tcoCAProp65.com)

133-8061  
decal133-8061

133-8061



143-7423  
decal143-7423

143-7423

- |  |  |
|--|--|
| 1. Warning—read the <i>Owner's Manual</i> .                              | 3. Warning—wear eye protection.  |
| 2. Warning—all operators should be trained before operating the machine. | 4. Lifting hazard—lift only an empty tank; do not lift the tank when full. |

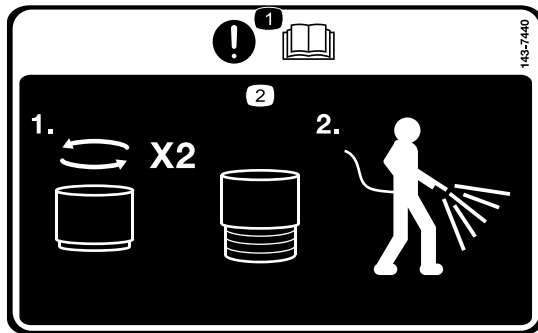


decalbatterysymbols

## Battery Symbols

Some or all of these symbols are on your battery

- |  |   |
|--|---|
| 1. Explosion hazard                    | 6. Keep bystanders away from the battery.                                       |
| 2. No fire, open flame, or smoking     | 7. Wear eye protection; explosive gases can cause blindness and other injuries. |
| 3. Caustic liquid/chemical burn hazard | 8. Battery acid can cause blindness or severe burns.                            |
| 4. Wear eye protection.                | 9. Flush eyes immediately with water and get medical help fast.                 |
| 5. Read the <i>Operator's Manual</i> . | 10. Contains lead; do not discard; recycle                                      |



143-7440  
decal143-7440

143-7440

- |   |   |
|---|---|
| 1. Attention—read the <i>Owner's Manual</i> . | 2. Turn the vent cap twice before spraying. |
|---|---|

# Setup

**Note:** Determine the left and right sides of the machine from the normal operating position.

## Unfolding the Handle

1. Push the detent pin in ([Figure 5](#)).
2. Raise the handle and secure it in the upright position with the pin.

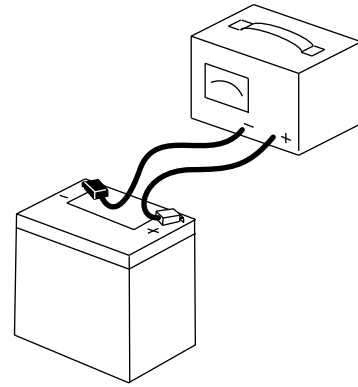


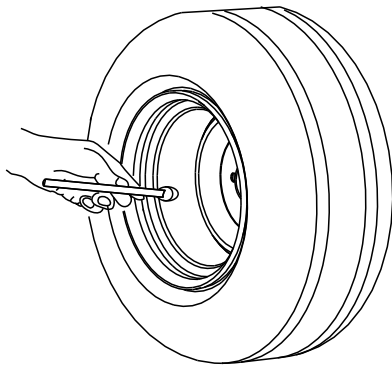
Figure 4

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## Checking the Tire Pressure

Pressure: 124 kPa (18 psi)

Check the air pressure in the tires.



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Figure 3

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## Installing the Battery and Connectors

Charge the battery; refer to [Installing the Battery](#) (page 13).

## Charging the Battery

### **⚠ WARNING**

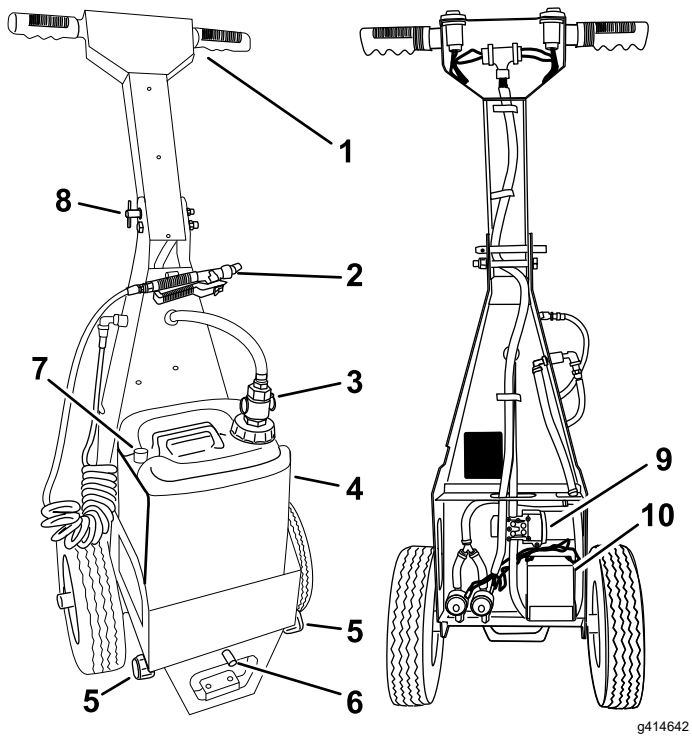
Charging the battery produces gasses that can explode and cause serious injury.

- Keep cigarettes, sparks, and flames away from the battery.
- Ventilate when charging or using the battery in an enclosed space.

**Important:** Remove the battery from the machine before charging it.

Charge the battery; refer to [Charging the Battery](#) (page 13).

# Product Overview



**Figure 5**

- |                       |               |
|-----------------------|---------------|
| 1. Handle             | 6. Fan tip    |
| 2. Spray gun          | 7. Vent cap   |
| 3. Quick-connect hose | 8. Handle pin |
| 4. Brine container    | 9. Pump       |
| 5. Spray bar          | 10. Battery   |

# Controls

Become familiar with all the controls before you start the engine and operate the machine.

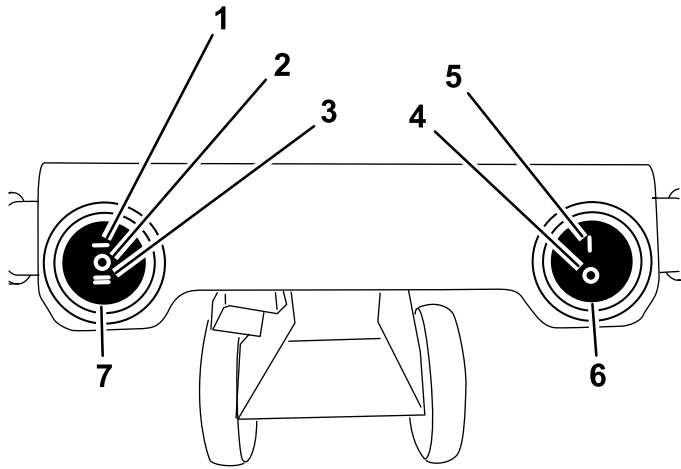


Figure 6

g414644

1. FAN-TIP position
2. SPRAY-GUN position
3. SPRAY-BAR position
4. OFF position
5. ON position
6. Sprayer pump switch
7. Selection switch

## Selection Switch

The selection switch allows you to select the sprayer gun, sprayer bar, or the front spray tip (Figure 6).

## Sprayer Pump Switch

The sprayer pump switch turns the sprayer pump on or off (Figure 6).

## Spray Gun

The spray gun is located on the right side of the machine. It allows you to precisely apply the liquid in the sprayer tank (Figure 5).

## Vent Cap

Open the vent cap when using the machine to prevent a vacuum effect in the brine container when spraying brine. Close the vent cap when transporting the machine (Figure 5).

## Front Fan Tip

The front fan tip directs the flow of liquid in a broad path in front of the machine (Figure 5).

## Spray Bar

The spray bar directs the flow of liquid down in the path of the machine (Figure 5).

# Specifications

**Note:** Specifications and design are subject to change without notice.

Machine depth	43.2 cm (17 inches)
Machine width	53.3 cm (21 inches)
Machine height with handle raised	124.5 cm (49 inches)
Machine height with handle folded	93.4 cm (37 inches)
Empty Weight	31.8 kg (70 lb)
Brine container capacity	18.9L (5 gal)

## Attachments/Accessories

A selection of BOSS approved attachments and accessories is available for use with the machine to enhance and expand its capabilities. Contact your Authorized Service Dealer or authorized BOSS distributor or go to [www.bossploow.com](http://www.bossploow.com) for a list of all approved attachments and accessories.

To ensure optimum performance and continued safety of the machine, use only genuine BOSS replacement parts and accessories. Replacement parts and accessories made by other manufacturers could be dangerous, and such use could void the product warranty.

# Operation

## *Before Operation*

### Before Operation Safety

#### General Safety

- Never allow children or untrained people to operate the machine. Local regulations may restrict the age of the operator. The owner is responsible for training all operators and mechanics.
- Become familiar with the safe operation of the equipment, operator controls, and safety signs.
- Know how to shut off the machine quickly.
- Before operating the machine, always inspect it to ensure that it is in good working condition.
- Ensure that all fluid-line connectors are tight and that all hoses are in good condition before applying pressure to the system.
- Become familiar with the operating area; hidden obstructions such as curbs and pipes can damage your machine.

## Installing the Brine Container

**Capacity:** 18.9 L (5 US gallons)

**Note:** You can use multiple containers and fill them prior to use during a weather event. Use the quick connection hose to easily exchange the containers.

**Important:** Use only pre-mixed brine to prevent dangerous chemical reactions.

1. Pull the rings on the quick connection hose up and remove the quick connect from the container.
2. Remove the cap with the draw tube.
3. Remove the container from the machine.
4. Fill the container with pre-mixed brine or install a previously filled container.
5. Install the cap with the draw tube.
6. Install the container into the machine.
7. Install the quick connection hose onto the cap and secure it by pulling the rings down.
8. Wipe up any spills.

## Performing Daily Maintenance

Before starting the machine each day, perform the Each Use/Daily procedures listed in [Maintenance \(page 12\)](#).



# During Operation

## General Safety

- The owner/operator can prevent and is responsible for accidents that may cause personal injury or property damage.
- Wear appropriate clothing including eye protection, long pants, and substantial slip-resistant footwear. Tie back long hair and do not wear loose clothing or loose jewelry.
- Use your full attention while operating the machine. Do not engage in any activity that causes distractions; otherwise, injury or property damage may occur.
- Do not operate the machine while ill, tired, or under the influence of alcohol or drugs.
- Do not operate the machine when there is the risk of lightning.
- Keep bystanders and pets away from the machine during operation.
- Do not operate the machine without good visibility or light.
- Always operate the machine from the operating position.
- Look behind and down before backing up to be sure of a clear path.
- Use extreme care when approaching blind corners, shrubs, trees, or other objects that may block your view.
- Slow down and use caution when making turns and crossing roads and sidewalks with the machine. Always yield the right-of-way.
- Never leave a running machine unattended.
- Before leaving the operating position, park the machine on a level surface, shut off the machine, and wait for all moving parts to stop.
- Shut off the machine in the following situations:
  - Before clearing blockages
  - Before checking, cleaning, or maintaining the machine or sprayer
  - Before leaving the operating position
- Use only accessories and attachments approved by BOSS Products.

## Sprayer Safety

- Do not aim the hand sprayer at any person or animal.
- Do not place your hand or any other part of your body in front of the spray nozzle.
- Do not leave the equipment under pressure when you are not present.

- Do not use the hand sprayer if the hose, trigger lock, nozzle, or any other part is damaged or missing.
- Do not use the hand sprayer if there are any leaks in any hoses, fittings, or other components.
- Do not spray near power lines; the spray stream could contact the power lines and give you a potentially fatal electrical shock.
- Never spray while people, especially children, or pets are nearby.

## Operating the Sprayer

**Important:** Always push the machine by hand. Do not tow the machine.

1. Move the machine to the location where you will be spraying.
2. Using the selection switch, select which method of spraying you want to use on the machine (Figure 6).
3. Push the pump switch to the ON position.
4. Spray the area.
5. When you are done spraying, switch the sprayer to the OFF position.

## Using the Spray Gun

1. Using the selection switch (boom switch), select the spray gun position (Figure 6).
2. Switch the sprayer to the ON position.
3. Squeeze the handle on the spray gun to begin spraying (Figure 7).

Rotate the handle lock to continue spraying without squeezing the handle.

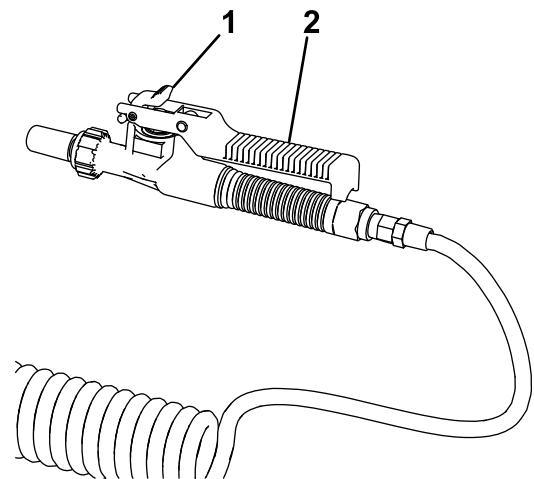


Figure 7

1. Handle lock
2. Handle

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4. When you are done spraying, release the handle and switch the machine to the OFF position.
5. Install the cap, install the container into the machine, and attach the quick-connect hose.

## Spraying Tips

- Do not overlap areas that you have previously sprayed.
- Watch for plugged nozzles. Replace all worn or damaged nozzles.
- You will obtain better results if the machine is moving when you turn the sprayer on.

## Unclogging a Nozzle

If a nozzle becomes clogged while you are spraying, clean the nozzle as follows:

1. Shut off the sprayer.
2. Remove the clogged nozzle and clean it using a spray bottle of water and a toothbrush.
3. Install the nozzle.

## After Operation

### After Operation Safety

#### General Safety

- Always shut off the machine and allow the machine to cool before adjusting, servicing, cleaning, or storing it.
- Tie the machine down securely using straps, chains, cable, or ropes. Both front and rear straps should be directed down and outward from the machine.
- Do not store material in the sprayer tank.
- Rinse the sprayer tank with RV antifreeze before storing it.
- When storing the machine for more than 30 days, refer to [Storage \(page 16\)](#) for important information.

### Emptying the Container

1. Turn the sprayer pump switch to the OFF position ([Figure 6](#)).
2. Remove the quick-connect hose from the container ([Figure 5](#)).
3. Remove the container from the machine.
4. Remove the cap and dispose of the chemicals.

**Important:** Dispose of the sprayer tank chemicals according to local codes and the material manufacturer's instructions.

## Flushing the Sprayer System

**Important:** Use only clean water when cleaning the sprayer.

**Important:** You must always drain and flush out the sprayer after each use. Failure to flush and clean the sprayer may allow the chemicals to dry and obstruct in the lines, valves, nozzle bodies, pump, and other components.

Clean the spray system after each spraying session. To properly clean the spray system, perform the following:

- Complete 3 separate rinse cycles.
- Use the cleaners and neutralizers as recommended by your chemical manufacturers.
- Use pure, clean water (no cleaners or neutralizers) for the final rinse.

1. Fill the container with clean water, install the cap, and install the quick-connect hose.

**Note:** You can use a cleaning/neutralizing agent in the water as needed. On the final rinse, use only clean, clear water.

2. Select the front tip spray on the selection switch ([Figure 6](#)).
3. Turn on the sprayer to the ON position and spray water to clear the tip.
4. Turn on the sprayer to the OFF position and select the spray bar on the selection switch ([Figure 6](#)).
5. Turn on the sprayer to the ON position and spray water to clear the bar.
6. Turn on the sprayer to the OFF position select the spray gun on the selection switch ([Figure 6](#)).
7. Turn on the sprayer to the ON position and spray water to clear the spray gun.
8. Turn on the sprayer to the OFF position
9. Repeat steps 1 through 8 at least 2 more times and ensure the last rinse is with RV antifreeze.

**Important:** You must always complete 3 rinse cycles to ensure that the spray system and spray accessories are fully clean, preventing damage to the system. Rinse the sprayer tank with RV antifreeze before storing it.

# Transporting the Machine

Fold the handle and secure the machine to a trailer or truck to transport the machine.

# Maintenance

**Note:** Determine the left and right sides of the machine from the normal operating position.

## Maintenance Safety

- Before adjusting, cleaning, servicing, or leaving the machine, do the following:
  - Park the machine on a level surface.
  - Shut off the machine.
  - Allow machine components to cool before performing maintenance.
- Ensure that only trained personnel perform maintenance on the machine.
- Do not fill or clean the machine while people, especially children, or pets are in the area.
- Keep your hands and feet away from moving parts. If possible, do not make adjustments with the machine running.
- Check all fasteners at frequent intervals for proper tightness to ensure that the machine is in safe working condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep all parts in good working condition. Replace all worn, damaged, or missing parts and decals. Keep all fasteners tight to ensure that the machine is in safe working condition.
- To ensure optimum performance and continued safety of the machine, use only genuine BOSS replacement parts and accessories. Replacement parts and accessories made by other manufacturers could be dangerous, and such use could void the product warranty.

## Recommended Maintenance Schedule(s)

Maintenance Service Interval	Maintenance Procedure
Before each use or daily	<ul style="list-style-type: none"> <li>• Check the battery.</li> <li>• Check the fuses.</li> <li>• Check the tire pressure.</li> </ul>
After each use	<ul style="list-style-type: none"> <li>• Empty the sprayer container.</li> <li>• Flush the sprayer system.</li> </ul>
Before storage	<ul style="list-style-type: none"> <li>• Check the tire pressure.</li> <li>• Check and tighten all fasteners.</li> <li>• Condition the sprayer system.</li> </ul>
Yearly or before storage	<ul style="list-style-type: none"> <li>• Condition the sprayer system.</li> </ul>

## Electrical System Maintenance

### Electrical System Safety

- Disconnect the battery before making any repairs. Disconnect the negative terminal first and the positive terminal last. Connect the positive terminal first and negative last.
- Charge the battery in an open, well-ventilated area, away from sparks and flames. Unplug the charger before connecting or disconnecting the battery. Wear protective clothing and use insulated tools.

### Servicing the Battery

**Service Interval:** Before each use or daily—Check the battery.

Always keep the battery clean and fully charged with the charger provided with the machine. Use a paper towel to clean the battery case. If the battery terminals are corroded, clean them with a solution of four parts water and 1 part baking soda. Apply a light coating of grease to the battery terminals to prevent corrosion.

Voltage: 12 V

### Removing the Battery

1. Disconnect the negative (black) ground cable from the battery post.

## ⚠ WARNING

Incorrect battery cable routing could damage the machine and cables, causing sparks. Sparks can cause the battery gases to explode, resulting in personal injury.

- Always disconnect the negative (black) battery cable before disconnecting the positive (red) cable.
- Always connect the positive (red) battery cable before connecting the negative (black) cable.

## ⚠ WARNING

Battery terminals or metal tools could short against metal machine components, causing sparks. Sparks can cause the battery gases to explode, resulting in personal injury.

- When removing or installing the battery, do not allow the battery terminals to touch any metal parts of the machine.
  - Do not allow metal tools to short between the battery terminals and metal parts of the machine.
2. Remove the positive (red) battery cable.
  3. Remove the battery from the machine.

## Charging the Battery

### ⚠ WARNING

Charging the battery produces gasses that can explode.

Never smoke near the battery and keep sparks and flames away from battery.

**Important:** Always keep the battery fully charged (1.265 specific gravity) to prevent battery damage when the temperature is below 0°C (32°F).

1. From a fully discharged battery, charge the battery for 5 hours using the charger provided with the machine.
2. When the battery is fully charged, unplug the charger from the electrical outlet, and disconnect the charger leads from the battery posts (Figure 8).

3. Install the battery into the machine and connect the battery cables; refer to [Installing the Battery](#) (page 13).

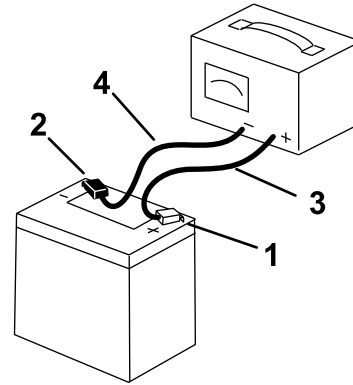


Figure 8

1. Positive battery post
2. Negative battery post
3. Red (+) charger lead
4. Black (-) charger lead

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## Installing the Battery

### ⚠ WARNING

Incorrect battery cable routing could damage the machine and cables, causing sparks. Sparks can cause the battery gases to explode, resulting in personal injury.

- Always disconnect the negative (black) battery cable before disconnecting the positive (red) cable.
- Always connect the positive (red) battery cable before connecting the negative (black) cable.

### ⚠ WARNING

Battery terminals or metal tools could short against metal machine components, causing sparks. Sparks can cause the battery gases to explode, resulting in personal injury.

- When removing or installing the battery, do not allow the battery terminals to touch any metal parts of the machine.
- Do not allow metal tools to short between the battery terminals and metal parts of the machine.

1. Place the battery in the machine.
2. Connect the positive (red) battery cable.
3. Connect the negative (black) battery cable.

# Servicing the Fuse

The electrical system is protected by fuses. It requires no maintenance. If a fuse blows, check the component or circuit for a malfunction or short.

## Replacing the In-Line Fuse

There is a replaceable in-line fuses on the wire harness.

1. Find the in-line fuse on the wire harness and remove the fuse cap.

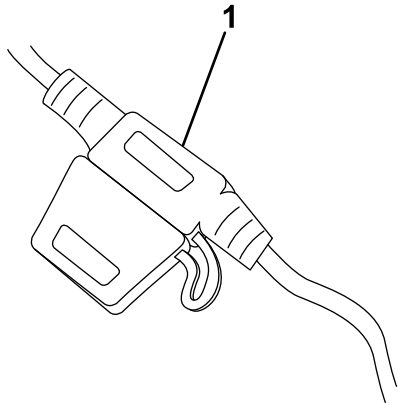


Figure 9

g295779

1. In-line fuse

2. Remove and inspect the fuse.

If the fuse is burnt out, discard it and install a new fuse with the same rating; refer to the table below.

**Important:** Do not use a fuse with a rating higher than the original fuse; serious damage to the electrical system or a fire could result.

Pump fuse	5 A
-----------	-----

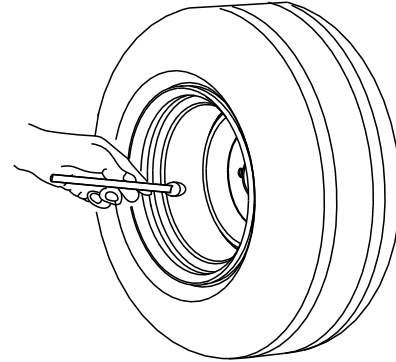
3. Install the fuse cap and cushion.

# Drive System Maintenance

## Checking the Tire Pressure

**Service Interval:** Before each use or daily—Check the tire pressure.

Maintain the air pressure in the tires at 124 kPa (18 psi).



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Figure 10

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# Sprayer Maintenance

## Conditioner Specification

**Conditioner specification:** propylene glycol "non-toxic RV antifreeze" with corrosion inhibitor

**Important:** Use only propylene glycol with corrosion inhibitor.

**Do not use recycled propylene glycol. Do not use ethylene glycol base antifreeze.**

**Do not use propylene glycol with soluble alcohols (methanol, ethanol, or isopropanol) or brines added.**

## Conditioning the Spray System

Condition the spray system at the end of each spraying season.

1. Place the machine on a drain pad area.
2. Add 3.79 l (1 gal) of conditioner to the container.
3. Turn on the machine.
4. Use the selection switch to select each method of spraying and spray until the nozzles discharge all of the conditioner.

**Note:** Most propylene glycol RV antifreeze is colored pink. Use a catch container to sample the sprayer discharge at several of the nozzles.

5. Shut off the sprayer when the container is empty.

# Cleaning

## Cleaning the Machine

**Service Interval:** After each use—Empty the sprayer container.

After each use—Flush the sprayer system.

Yearly or before storage—Condition the sprayer system.

**Important:** You can wash the machine with a mild detergent and water. Do not pressure-wash the machine. Avoid excessive use of water, especially near the pump, switches, and valves. Pressure-washing can force dirt and water into critical parts.

1. Empty the sprayer container.
2. Flush the sprayer system.
3. Condition the sprayer system.

# Storage

## Storage Safety

Do not store material in the sprayer tank.

## Storing the Machine

1. Remove salt, sand, and grime from the external parts of the entire machine.

***Important:*** You can wash the machine with a mild detergent and water. Do not pressure-wash the machine. Avoid excessive use of water, especially near the drive system and electrical components. Pressure-washing can force dirt and water into critical parts.

2. Condition the sprayer system; refer to [Conditioning the Spray System \(page 15\)](#).
3. Check the tire pressure; refer to [Checking the Tire Pressure \(page 14\)](#).
4. Dispose of extra chemical solution; recycle it according to local regulations.
5. Check and tighten all fasteners. Repair or replace any part that is damaged or missing.
6. Store the machine in a clean, dry, garage or storage area.
7. Disconnect the negative (black) battery cable.
8. Disconnect the positive (red) battery cable.

## Removing the Machine from Storage

1. Check for cracked welds.
2. Check all fasteners; tighten as necessary.
3. Check the hoses for cracks or leaks.
4. Lightly sand areas that are scratched, chipped, or rusted.
5. Apply dielectric grease to all of the wire harness connectors.



# Troubleshooting

Problem	Possible Cause	Corrective Action
The sprayer pump does not prime.	<ol style="list-style-type: none"> <li>1. The sprayer container vent cap is closed.</li> <li>2. The brine in the hoses is frozen.</li> <li>3. The pump inlet fitting O-ring is damaged or missing.</li> </ol>	<ol style="list-style-type: none"> <li>1. Open the vent cap.</li> <li>2. Bring the machine to a warm area to thaw.</li> <li>3. Replace the O-ring.</li> </ol>
The sprayer pump runs and shuts off repeatedly.	<ol style="list-style-type: none"> <li>1. The spray nozzles are plugged or frozen.</li> <li>2. The brine in the hoses is frozen.</li> <li>3. The diaphragms in the pump or the inlet/outlet O-rings could be damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the spray nozzles.</li> <li>2. Bring the machine to a warm area to thaw.</li> <li>3. Replace the pump.</li> </ol>
The sprayer is not spraying.	<ol style="list-style-type: none"> <li>1. The sprayer switch is in the Off position.</li> <li>2. The spray nozzles are plugged or frozen.</li> <li>3. The brine in the hoses is frozen.</li> <li>4. The hoses are clogged.</li> <li>5. The fuse is blown.</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn the sprayer switch to on.</li> <li>2. Clean the spray nozzles.</li> <li>3. Bring the machine to a warm area to thaw.</li> <li>4. Clean the hoses.</li> <li>5. Check the fuse and replace it if needed.</li> </ol>
Brine is dripping from the spray nozzles when the system is not in use.	<ol style="list-style-type: none"> <li>1. The nozzles are loose.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten the nozzles.</li> </ol>
Too little brine is being sprayed.	<ol style="list-style-type: none"> <li>1. The spray nozzles are plugged or frozen.</li> <li>2. The brine in the hoses is frozen.</li> <li>3. The hoses are clogged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the spray nozzles.</li> <li>2. Bring the machine to a warm area to thaw.</li> <li>3. Clean the hoses.</li> </ol>
There is a large gap in the middle of the spray pattern.	<ol style="list-style-type: none"> <li>1. The spray nozzles are plugged or frozen.</li> <li>2. The brine in the hoses is frozen.</li> <li>3. The hoses are clogged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the spray nozzles.</li> <li>2. Bring the machine to a warm area to thaw.</li> <li>3. Clean the hoses.</li> </ol>

**Notes:**

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# California Proposition 65 Warning Information

## What is this warning?

You may see a product for sale that has a warning label like the following:



**WARNING: Cancer and Reproductive Harm—[www.p65Warnings.ca.gov](http://www.p65Warnings.ca.gov).**

## What is Prop 65?

Prop 65 applies to any company operating in California, selling products in California, or manufacturing products that may be sold in or brought into California. It mandates that the Governor of California maintain and publish a list of chemicals known to cause cancer, birth defects, and/or other reproductive harm. The list, which is updated annually, includes hundreds of chemicals found in many everyday items. The purpose of Prop 65 is to inform the public about exposure to these chemicals.

Prop 65 does not ban the sale of products containing these chemicals but instead requires warnings on any product, product packaging, or literature with the product. Moreover, a Prop 65 warning does not mean that a product is in violation of any product safety standards or requirements. In fact, the California government has clarified that a Prop 65 warning "is not the same as a regulatory decision that a product is 'safe' or 'unsafe.'" Many of these chemicals have been used in everyday products for years without documented harm. For more information, go to <https://oag.ca.gov/prop65/faqs-view-all>.

A Prop 65 warning means that a company has either (1) evaluated the exposure and has concluded that it exceeds the "no significant risk level"; or (2) has chosen to provide a warning based on its understanding about the presence of a listed chemical without attempting to evaluate the exposure.

## Does this law apply everywhere?

Prop 65 warnings are required under California law only. These warnings are seen throughout California in a wide range of settings, including but not limited to restaurants, grocery stores, hotels, schools, and hospitals, and on a wide variety of products. Additionally, some online and mail order retailers provide Prop 65 warnings on their websites or in catalogs.

## How do the California warnings compare to federal limits?

Prop 65 standards are often more stringent than federal and international standards. There are various substances that require a Prop 65 warning at levels that are far lower than federal action limits. For example, the Prop 65 standard for warnings for lead is 0.5 µg/day, which is well below the federal and international standards.

## Why don't all similar products carry the warning?

- Products sold in California require Prop 65 labelling while similar products sold elsewhere do not.
- A company involved in a Prop 65 lawsuit reaching a settlement may be required to use Prop 65 warnings for its products, but other companies making similar products may have no such requirement.
- The enforcement of Prop 65 is inconsistent.
- Companies may elect not to provide warnings because they conclude that they are not required to do so under Prop 65; a lack of warnings for a product does not mean that the product is free of listed chemicals at similar levels.

## Why do we include this warning?

Our company has chosen to provide consumers with as much information as possible so that they can make informed decisions about the products they buy and use. We provide warnings in certain cases based on its knowledge of the presence of one or more listed chemicals without evaluating the level of exposure, as not all the listed chemicals provide exposure limit requirements. While the exposure from our products may be negligible or well within the "no significant risk" range, out of an abundance of caution, we have elected to provide the Prop 65 warnings. Moreover, if we do not provide these warnings, it could be sued by the State of California or by private parties seeking to enforce Prop 65 and subject to substantial penalties.