



OPERATOR'S MANUAL

A Division of Snow Joe®, LLC

24V MAX * 2.5-GAL PORTABLE SPRAY WASHER

116 PSI MAX PRESSURE AT INITIAL DISCHARGE PER CSA INTERNAL PRESSURE TESTING

1.5 GPM MAX FLOW WITH NOZZLE OPEN AT MINIMUM PRESSURE

Model 24V-PSW25-RM

Form No. SJ-24V-PSW25-RM-880E-M-V1

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IMPORTANT! Safety Instructions

All Operators Must Read These Instructions Before Use

⚠ WARNING! This indicates a hazardous situation, which, if not avoided, could result in death or serious injury.

⚠ CAUTION! This indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

⚠ DANGER! This indicates a hazardous situation, which, if not followed, will result in death or serious injury.

General Safety

⚠ WARNING! This appliance is not intended for use by children or by unassisted, unsupervised persons whose physical, sensory, or mental capabilities prevent them from using it safely. Children should be supervised to ensure that they do not play with the appliance.

Before starting up your machine, please check it carefully for any defects. If you find any, do not start up your machine. Contact your authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

⚠ WARNING! When using the spray washer, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. These include:

- **Know your product** – Know how to stop the machine and bleed pressure quickly. Thoroughly familiarize yourself with the controls.
- **Keep bystanders away** – All visitors and pets should be kept a safe distance away from the work area.
- **Use the right product** – Do not use this machine for any job except that for which it is intended.
- **⚠ CAUTION!** – Exercise caution to avoid slipping or falling. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- **Stay alert** – Watch what you are doing. Use common sense. Do not operate the spray washer when you are tired, or under the influence of alcohol or drugs.
- **Do not overreach** – Keep proper footing and balance at all times.

- **Avoid unintentional starting** – Do not carry the spray washer with your finger on the switch. Make sure the switch is off before inserting the battery.
- **Check the water temperature** – This spray washer is not meant to pump hot water. **NEVER** fill it with hot water as it will significantly reduce the life of the pump.
- **Store indoors** – **NEVER** store the spray washer outdoors or where it could freeze. The pump could be seriously damaged.

⚠ WARNING! Do not use this appliance without reading this instruction manual.

⚠ WARNING! Do not use the appliance within range of other people unless they are wearing protective clothing.

⚠ WARNING! High-pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, pets, live electrical equipment, or the appliance itself.

- Do not direct the jet at yourself or others in order to clean clothes or footwear.
- **Risk of explosion** – Do not spray flammable liquids.
- **Remove the battery** – Remove the battery from the compartment before performing any maintenance task.
- **Keep children away** – To reduce the risk of injury, close supervision is necessary when the spray washer is used near children. This spray washer must not be used by children or untrained personnel.
- Before transporting the unit, make sure the stopper plug is inserted securely into the water outlet, and use the handle to transport the unit.
- To ensure appliance safety, use only original replacement parts from the manufacturer or those approved by the manufacturer.
- Disconnect spray hose and drain unit completely before transporting. When transporting with water, always be sure to use the included stopper plug, and take additional precautions such as enclosing the unit in a leak-proof plastic bin or tray to protect against water damage.
- When transporting, ensure the unit is properly secured to avoid tipping, which could result in leakage.
- Follow the maintenance instructions specified in the manual.

⚠ WARNING! During cleaning, maintenance, or when replacing parts, disconnect the machine from its power source by removing the battery from the compartment.

⚠️ WARNING! High-pressure hoses, fittings, and couplings are important for the safe operation of the appliance. Use only hoses, fittings, and couplings recommended by the manufacturer.

⚠️ WARNING! Electrical Shock Hazard – Before starting up your machine, please check it carefully for any defects. If you find any, do not start up your machine and contact your distributor.

IMPORTANT: Only use water without any impurities. If there is a risk of running sand into the inlet water (i.e. from your own well), an additional filter should be installed.

⚠️ WARNING! Do not fill any other liquid except clean water in the water tank.

- **Check for damaged parts** – Do not use the appliance if any important part of the appliance are damaged (e.g. safety devices, hoses, spray nozzle).
- This cordless spray washer must not be used at temperatures below 32°F (0°C).
- Keep the machine on a stable, flat surface during operation, handling, transportation, and storage.
- In the event of an accident or breakdown, switch off the machine immediately.

Electrical Safety

1. If the battery charger cord is damaged, please call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).
2. If charging the power tool in a damp location is unavoidable, use a residual current device (RCD) protected power supply. The using of an RCD reduces the risk of electric shock.
3. **Do not abuse the charging cord.** Never use the cord for carrying, pulling or unplugging the charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
4. Battery charger is for indoor use only. Do not charge the spray washer in rain, or in wet locations.

Battery & Charger Safety Instructions

We pay a great deal of attention to the design of every battery pack to ensure that we supply you with batteries that are safe, durable and have a high energy density. The battery cells have a wide range of safety devices. Each individual cell is initially formatted and its electrical characteristic curves are recorded. This data is then used exclusively to be able to assemble the best possible battery packs.

Despite all the safety precautions, caution must always be exercised when handling batteries. The following points must be obeyed at all times to ensure safe use. Safe use can only be guaranteed if undamaged cells are used. Incorrect handling of the battery pack can cause cell damage.

IMPORTANT! Analyses confirm that incorrect use and poor care of high-performance batteries are the main factors responsible for personal and/or product damage.

⚠️ WARNING! Use only approved replacement batteries; other batteries may damage the power tool and cause it to malfunction, which can lead to serious personal injury.

⚠️ WARNING! Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.

Have your battery pack serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the battery pack is maintained.


⚠️ CAUTION! To reduce the risk of injury, charge the iON+ 24V lithium-ion battery pack only in its designated iON+ 24V lithium-ion charger. Other types of chargers present risk of fire, personal injury and damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Such misuse will permanently disable or damage the battery pack.

- **Avoid dangerous environments** – Do not charge the battery pack in rain, snow or in damp or wet locations. Do not use the battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing the battery pack, which could lead to a fire.
- **Charge in a well-ventilated area** – Do not block the charger vents. Keep them clear to allow for proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode.

NOTE: The safe temperature range for the battery is 41°F (5°C) to 105°F (40.5°C). Do not charge the battery outside in freezing weather; charge it at room temperature.

- **Maintain charger cord** – When unplugging the charger, pull the plug, not the cord, from the receptacle to reduce the risk of damage to the electrical plug and cord. Never carry the charger by its cord or yank it by the cord to disconnect it from the receptacle. Keep the cord away from heat, oil and sharp edges. Make sure the cord will not be stepped on, tripped over or subjected to damage or stress when the charger is in use. Do not use the charger with a damaged cord or plug. Replace a damaged charger immediately.

- **Do not use an extension cord unless it is absolutely necessary** – Using the wrong, damaged or improperly wired extension cord poses a risk of fire and electric shock. If an extension cord must be used, plug the charger into a properly wired 16 gauge or larger extension cord with the female plug matching the male plug on the charger. Make sure that the extension cord is in good electrical condition.
- **Use only recommended attachments** – Use of an attachment not recommended or sold by the battery charger or battery pack manufacturer may result in risk of fire, electric shock or personal injury.
- **Unplug charger when not in use** – Make sure to remove battery packs from unplugged chargers.

 **WARNING!** To reduce the risk of electric shock, always unplug the charger before performing any cleaning or maintenance. Do not allow water to flow into the charger. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.

- **Do not burn or incinerate battery packs** – Battery packs may explode, causing personal injury or damage. Toxic fumes and materials are created when battery packs are burned.
- **Do not crush, drop or damage battery packs** – Do not use the battery pack or charger if they have sustained a sharp blow, been dropped, run over or have been damaged in any way (i.e. pierced with a nail, hit with a hammer, stepped on, etc.).
- **Do not disassemble** – Incorrect reassembly may pose a serious risk of electric shock, fire or exposure to toxic battery chemicals. If the battery or charger are damaged, contact an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563) for assistance.
- **Battery chemicals cause serious burns** – Never let a damaged battery pack contact the skin, eyes or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to safely dispose of it. If skin is exposed to battery fluids, wash the affected area with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
- **Do not short circuit** – A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as paperclips, coins, keys, screws, nails and other metallic objects. A short-circuited battery pack poses a risk of fire and severe personal injury.
- **Store your battery pack and charger in a cool, dry place** – Do not store the battery pack or charger where temperatures may exceed 105°F (40.5°C), such as in direct sunlight or inside a vehicle or metal building during the summer.

Information about the battery

1. The battery pack supplied with your cordless power tool is only partially charged. The battery pack has to be charged completely before you use the tool for the first time.
2. For optimum battery performance, avoid low discharge cycles by charging the battery pack frequently.
3. Store the battery pack in a cool place, ideally at 59°F (15°C) and charged fully.
4. Lithium-ion batteries are subject to a natural aging process. The battery pack must be replaced at the latest when its capacity falls to just 80% of its capacity when new. Weakened cells in an aged battery pack are no longer capable of meeting the high power requirements needed for the proper operation of your cordless spray washer, and therefore pose a safety risk.
5. Do not throw battery packs into an open fire as this poses a risk of explosion.
6. Do not ignite the battery pack or expose it to fire.
7. Do not exhaustively discharge batteries. Exhaustive discharge will damage the battery cells. The most common cause of exhaustive discharge is lengthy storage or non-use of partially discharged batteries. Stop working as soon as the performance of the battery falls noticeably or the electronic protection system triggers. Place the battery pack in storage only after it has been fully charged.
8. Protect batteries and the tool from overloads. Overloads will quickly result in overheating and cell damage inside the battery housing even if this overheating is not apparent externally.
9. Avoid damage and shocks. Immediately replace batteries that have been dropped from a height of more than 3 feet (1 meter) or those that have been exposed to violent shocks, even if the housing of the battery pack appears to be undamaged. The battery cells inside the battery may have suffered serious damage. In such instances, please read the waste disposal information for proper battery disposal.
10. If the battery pack suffers overloading and overheating, the integrated protective cutoff will switch off the equipment for safety reasons.
IMPORTANT! Do not press the ON/OFF switch any more if the protective cut-off has been activated. This may damage the battery pack.
11. Use only original battery packs. The use of other batteries poses a fire risk and may result in injuries or an explosion.

Information about the charger and the charging process

1. Please check the data marked on the rating plate of the battery charger. Be sure to connect the battery charger to a power supply with the voltage marked on the rating plate. Never connect it to a different mains voltage.
2. Protect the battery charger and its cord from damage. Keep the charger and its cord away from heat, oil and sharp edges. Have damaged cords repaired without delay by a qualified technician at an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).
3. Electrical plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded appliances. Unmodified plugs and matching outlets will reduce the risk of electric shock.
4. Keep the battery charger, battery pack(s) and the cordless tool out of the reach of children.
5. Do not use the supplied battery charger to charge other cordless tools.
6. During periods of heavy use, the battery pack will become warm. Allow the battery pack to cool to room temperature before connecting it to the charger to recharge.
7. Do not overcharge batteries. Do not exceed the maximum charging times. These charging times only apply to discharged batteries. Frequent insertion of a charged or partially charged battery pack will result in overcharging and cell damage. Do not leave batteries connected to the charger for days on end.
8. Never use or charge batteries if you suspect that it has been more than 12 months since the last time they were charged. There is a high probability that the battery pack has already suffered dangerous damage (exhaustive discharge).
9. Charging batteries at a temperature below 41°F (5°C) will cause chemical damage to the cells and may cause a fire.
10. Do not use batteries that have been exposed to heat during the charging process, as the battery cells may have suffered dangerous damage.
11. Do not use batteries that have suffered curvature or deformation during the charging process or those that exhibit other atypical symptoms (gassing, hissing, cracking, etc.).
12. Never fully discharge the battery pack (maximum recommended depth of discharge is 80%). A complete discharge of the battery pack will lead to premature aging of the battery cells.

Protection from environmental influences

1. Wear suitable work clothes. Wear safety goggles.
2. Protect your cordless tool and the battery charger from moisture and rain. Moisture and rain can cause dangerous cell damage.
3. Do not use the cordless tool or the battery charger near vapors and flammable liquids.
4. Use the battery charger and cordless tools only in dry conditions and at an ambient temperature of 41°F – 105°F (5°C – 40.5°C).
5. Do not keep the battery charger in places where the temperature is liable to reach over 104°F (40°C). In particular, do not leave the battery charger in a car that is parked in the sunshine.
6. Protect batteries from overheating. Overloads, overcharging and exposure to direct sunlight will result in overheating and cell damage. Never charge or work with batteries that have been overheated – replace them immediately, if possible.
7. Store the charger and your cordless tool only in dry locations with an ambient temperature of 40°F – 105°F (4.5°C – 40.5°C). Store your lithium-ion battery pack in a cool, dry place at a temperature of 50°F – 68°F (10°C – 20°C). Protect the battery pack, charger and cordless tool from humidity and direct sunlight. Only place fully charged batteries in storage.
8. Prevent the lithium-ion battery pack from freezing. Battery packs that were stored below 32°F (0°C) for more than 60 minutes must be discarded.
9. When handling batteries, be wary of electrostatic charge. Electrostatic discharges can damage the electronic protection system and the battery cells. Avoid electrostatic charging and never touch the battery poles.

Risk of explosion

- Do not spray flammable liquids.
- Do not use acids, bases, solvents, or any flammable material in this product. These substances can cause physical injuries to the operator and irreversible damage to the machine.

Additional safety instructions

- High-pressure: keep clear of nozzle.
- Injection hazard: equipment can cause serious injury if the spray penetrates the skin.
- Do not point the jet at anyone or at any part of the body.
- Before servicing, cleaning, or removing any parts, shut off the power and relieve pressure.

Product Description

Purpose










- This cordless spray washer is intended for residential use only. It is designed for light-to-medium duty cleaning jobs on boats, motorcycles, RVs, ATVs, trailers, decks, barbecues, siding, patio furniture, and more.

Areas of application

- Never use the machine in potentially explosive areas under any circumstances!
- The operating temperature must be between 32°F (0°C) and 140°F (60°C).
- Do not cover or modify the spray nozzle in any way.
- The cordless spray washer is designed to be used with cold or lukewarm water; higher temperatures can damage the pump.
- Do not use water that is dirty, gritty, or contains any chemical products, as such impurities could impair operation and shorten the life of the machine.

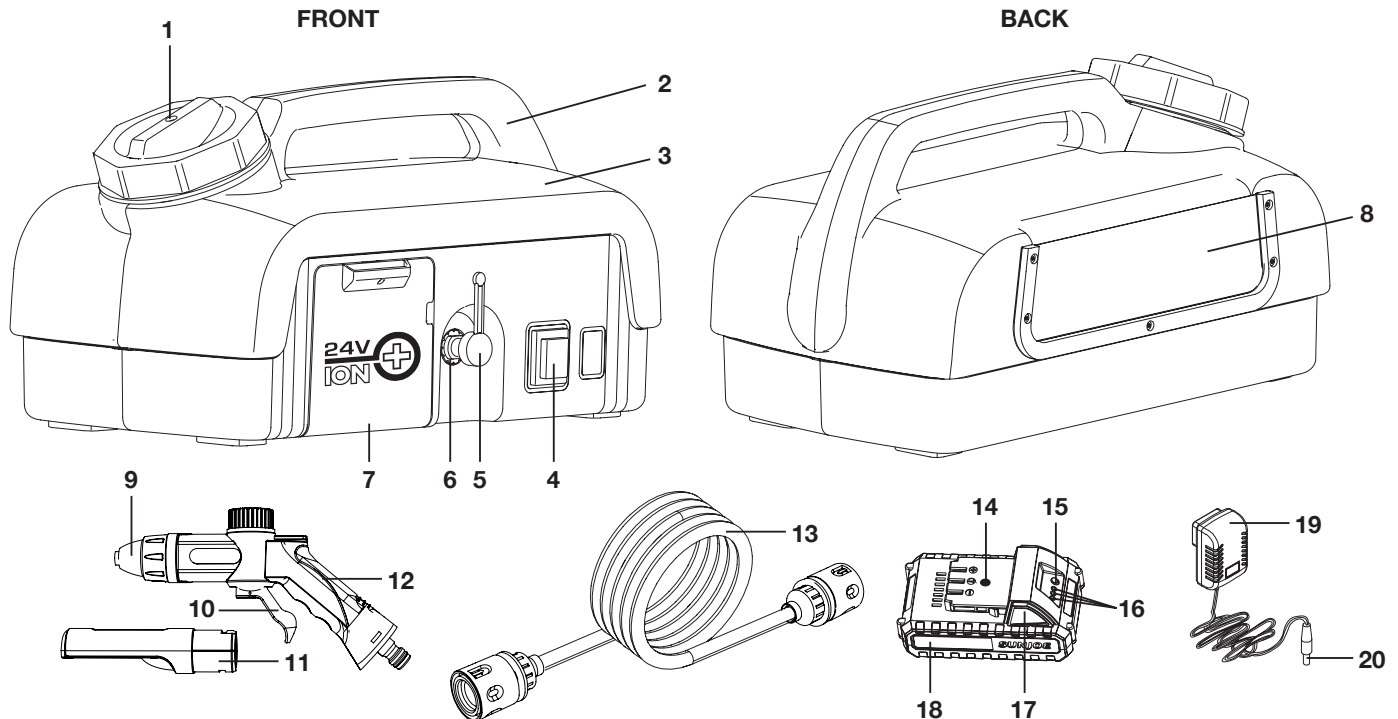
Safety Symbols

The following table depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

Symbols	Descriptions	Symbols	Descriptions
	READ THE OPERATOR'S MANUAL(S) – Read, understand, and follow all instructions in the user manual(s) before attempting to assemble and operate.		SAFETY ALERT – Indicates a precaution, a warning, or a danger.
	WARNING! Do not expose the unit to rain or wet conditions. Keep dry.		WEAR EYE AND HEARING PROTECTION – For protection against injury, wear ear defenders and safety goggles.
	To reduce the risk of injury, don't spray toward all bystanders, animals and electric appliances with plug.		Wear safety gloves during use to protect hands.
	Store indoors. Never store the spray washer outdoors. If the pump freezes, permanent damage may result.		Wear non-slip footwear that will protect your feet and improve your footing on slippery surfaces.
	Indoor use only. Only use battery charger indoors.		

Know Your Cordless Portable Spray Washer

Read the owner's manual and safety rules carefully before operating the spray washer. Compare the illustration below to the spray washer in order to familiarize yourself with the location of the various controls and adjustments. Save this manual for future reference.



- | | | |
|---------------------------------|--|--|
| 1. Tank cap | 9. Adjustable nozzle | 17. Push lock buttons |
| 2. Handle | 10. Trigger | 18. iON+ 24V lithium-ion battery (24VBAT-LTE) featuring exclusive EcoSharp® technology |
| 3. Water tank | 11. Spray attachment | 19. 24V lithium-ion charger (XZ2600-0450) |
| 4. ON/OFF switch | 12. Spray gun | 20. Charger plug |
| 5. Stopper plug | 13. Hose | |
| 6. Water outlet/Hose connection | 14. Charger socket | |
| 7. Battery compartment cover | 15. Push button for battery indicators | |
| 8. Storage compartment | 16. Battery indicators | |

Technical Data

Motor.....	90 W	Adjustable Nozzle	0° – 45°
Battery Voltage Max*	24V D.C.	Max Pressure at initial discharge	116 PSI per CSA internal pressure testing
Battery Capacity.....	2.0 Ah	Rated Pressure under typical load	90 PSI
Battery Runtime Max	30 min (sprays up to 16 gallons)	Max Flow with nozzle open	1.5 GPM at minimum pressure
Charge Time Max	5 hours	Rated Flow under typical load	0.8 GPM
Charger Input	100 – 240V AC, 50/60 Hz, 0.4 A	Water Tank Capacity	2.5 Gallon (9.5 L)
Charger Output	26V DC 450 mA	Weight (Spray washer only).....	8 lbs (3.7 kg)
Max Water Inlet Temperature	140°F (60°C)	Weight (with battery installed)	9.5 lbs (4.3 kg)
Hose Length	20 ft (6 m)		

*Initial no-load voltage, when fully charged, peaks at 24 volts; nominal voltage under typical load is 21.6 volts.

Unpacking

Carton Contents

- Cordless portable spray washer
- Hose
- Spray gun
- Spray attachment
- iON+ 24V lithium-ion battery
- iON+ 24V lithium-ion charger
- Manuals with registration card

1. Carefully remove the portable spray washer and check to see that all of the above items are supplied.
2. Inspect the product carefully to make sure no breakage or damage occurred during shipping. If you find damaged or missing parts, DO NOT return the unit to the store. Please call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

NOTE: Do not discard the shipping carton and packaging material until you are ready to use your new cordless spray washer. The packaging is made of recyclable materials. Properly dispose of these materials in accordance with local regulations.

IMPORTANT! The equipment and packaging material are not toys. Do not let children play with plastic bags, foils, or small parts. These items can be swallowed and pose a suffocation risk!

⚠ WARNING! Do not insert the battery until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.






Battery Pack Operation

The equipment is powered by a lithium-ion battery. The battery pack is completely sealed and maintenance free.

Battery Charge Level Indicator

The battery pack is equipped with a push button for checking the charge level. Simply press the push button to read off the battery charge level from the LEDs of the battery indicator:

- All 3 level monitoring LEDs are lit: Battery charge level is high.
- 2 level monitoring LEDs are lit: Battery charge level is decreasing. Stop work as soon as possible.
- 1 level monitoring LED is lit: Battery is flat. Stop work IMMEDIATELY and charge the battery. Otherwise the battery's service life will be greatly shortened.

	
Lights	Light Indicators
	Charge level button
	The battery is at 30% capacity and requires charging
	The battery is at 60% capacity and requires charging soon
	The battery is at full capacity

NOTE: If the charge level button does not appear to be working, insert the charger and charge as needed.

NOTE: Immediately after using the battery pack, the charge level button may display a lower charge than it will if checked a few minutes later. The battery cells "recover" some of their charge after resting.

Charger Operation

⚠ WARNING! Charge only iON+ 24V lithium-ion battery packs with its compatible iON+ 24V lithium-ion charger. Other types of batteries may cause personal injury and damage. To reduce the risk of electric shock, do not allow water to flow into the charger's AC/DC plug.

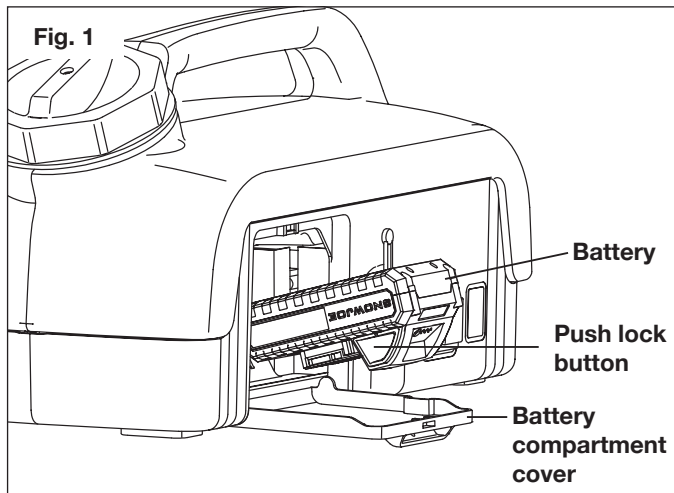
When to Charge the iON+ 24VBAT-LTE Lithium-iON Battery

NOTE: The iON+ 24VBAT-LTE lithium-ion battery packs do not develop a "memory" when charged after only a partial discharge. Therefore, it is not necessary to run down the battery pack before inserting the charger plug.

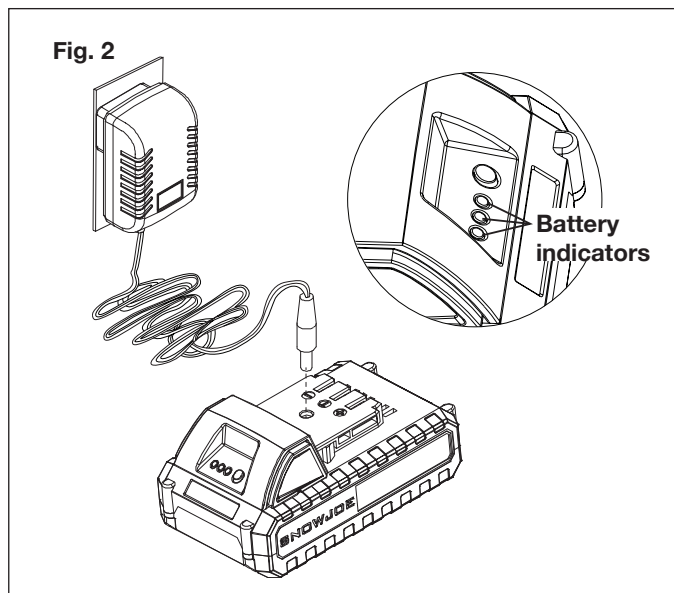
- Use the battery indicator lights to determine when to charge your iON+ 24VBAT-LTE lithium-ion battery pack.
- You can "top-off" your battery pack's charge before starting a big job or after a long day of use.

Charging the Battery

1. Open the battery compartment cover, and push the push lock button on the battery to pull the battery out from the battery compartment (Fig. 1).



2. Check that the mains voltage is the same as that marked on the rating plate of the battery charger. Then, plug the charger adapter into an appropriate AC power outlet. Connect the charger plug into the charge socket of the battery to start charging (Fig. 2).



3. The battery will take approximately 5 hours to charge. The battery indicator LEDs will twinkle and illuminate one by one during the charging process. Unplug the charger immediately when the 3 LEDs are all illuminated.

⚠ CAUTION! FIRE HAZARD. When disconnecting the charger from the battery, be sure to unplug the charger from the outlet first, then disconnect the charger from the battery.

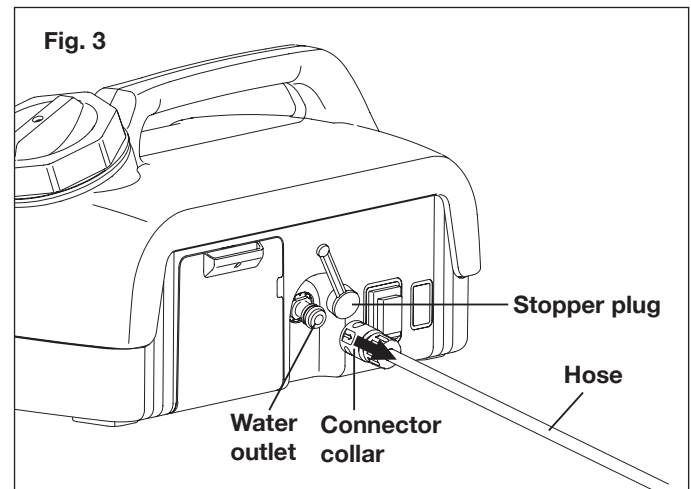
⚠ WARNING! This charger does not automatically turn off when the battery is fully charged. Please take care not to leave the battery plugged into the charger. Switch off or unplug the charger at the mains when charging is complete.

4. Timely recharging of the battery will help prolong the battery's life. You must recharge the battery pack when you notice a drop in the equipment's power.

IMPORTANT! Never allow the battery pack to become fully discharged as this will cause irreversible damage to the battery.

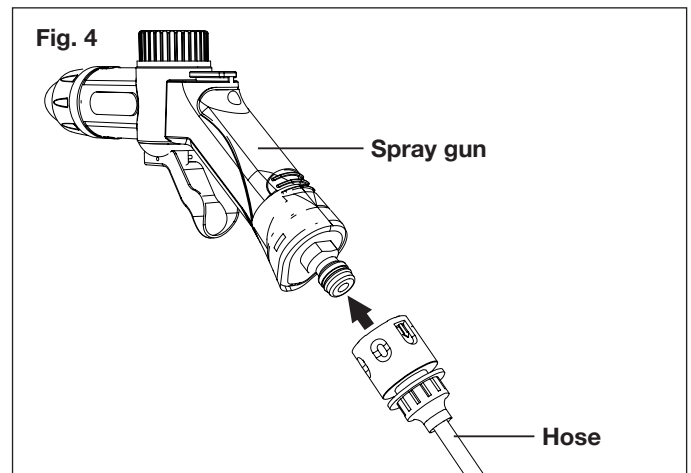
Assembly

1. Flip up the stopper plug and attach the quick-connect end of the hose to the water outlet/hose connection (Fig. 3). To connect, pull back the connector collar and align the connector with the water outlet, and release the collar. You will feel a click when it snaps in.



NOTE: The unit is equipped with a stopper plug to prevent leaking when the hose is not connected, or during transport. Be sure to insert the stopper plug completely to ensure a secure, leak-proof connection.

2. Connect the other end of the hose to the spray gun (Fig. 4). To connect, pull back the connector collar, align with the end of the spray gun, and release the collar. You will feel a click when it snaps in.



NOTE: To disconnect the hose, pull back the collar and pull the hose away from the connector.

⚠ WARNING! Keep hose away from sharp objects. Bursting hoses may cause injury. Examine hoses regularly and replace if damaged. Do not attempt to mend a damaged hose.

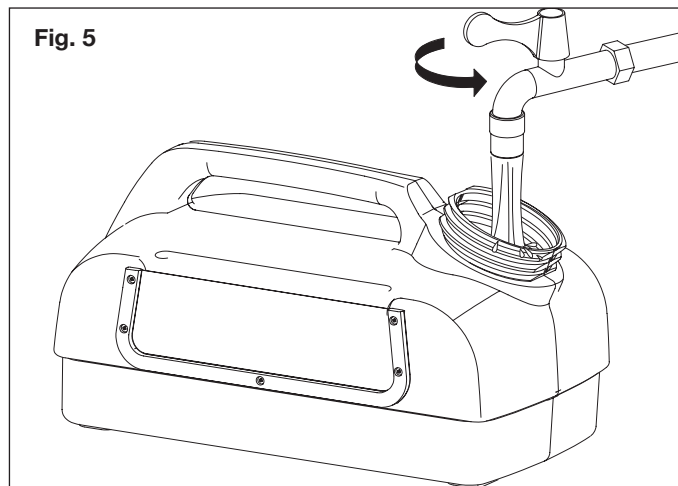
Operation

Starting + Stopping

⚠ IMPORTANT! This spray washer is equipped with a micro-switch sensitive to water flow. This Total Stop System (TSS) senses water flow in the pump. When the trigger is released, water stops flowing through the pump. The TSS then automatically turns the motor off to protect the pump from overheating, thus saving energy and prolonging pump life.

⚠ WARNING! Always remove battery before filling with water. NEVER immerse unit in water. Close battery compartment door securely before filling. Always use caution when handling or using any powered product where water is present.

1. Fill the water tank with clean water (Fig. 5).

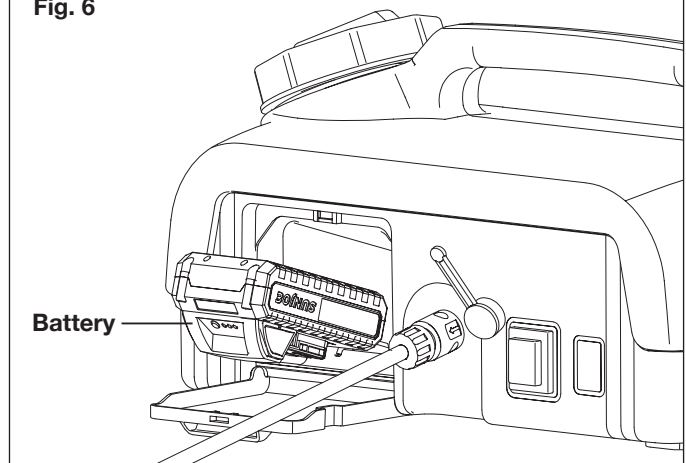


⚠ WARNING! The intake water temperature must not exceed 140°F/60°C.

⚠ CAUTION! The washer must only be used with clean water; use of unfiltered water containing corrosive chemicals will damage the washer.

2. Open the battery compartment cover and slide the battery in until it clicks to lock it into position, then close the battery compartment cover (Fig. 6).

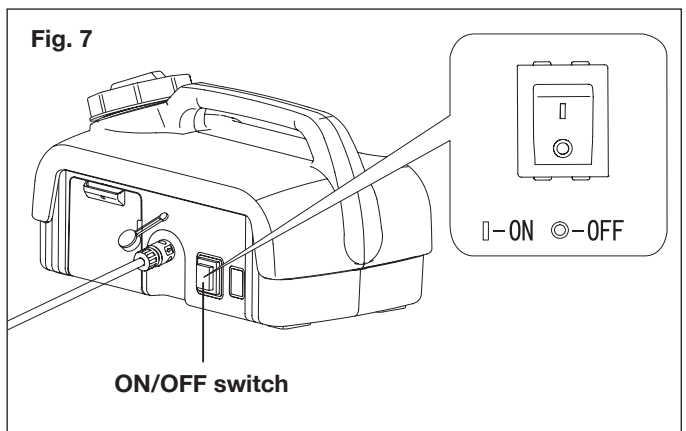
Fig. 6



3. Position the washer as CLOSE as possible to the object that need to be cleaned.

NOTE: The washer must be used on a secure and stable surface in a standing, upright position.

4. Press the ON (I) side of the ON/OFF switch to start the portable washer and squeeze the spray gun trigger to use the machine (Fig. 7).



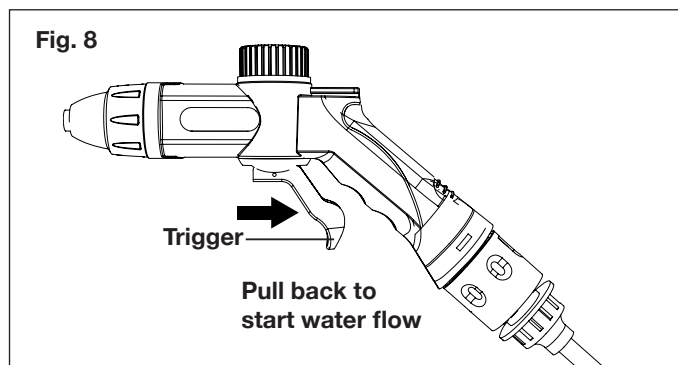
NOTE: It's recommended to bleed the air in the hose every time before starting the spray washer. Follow the instructions in Maintenance section to bleed the air.

5. To shut down the unit, push the OFF(O) side of the ON/OFF switch (Fig. 7), and remove the battery.

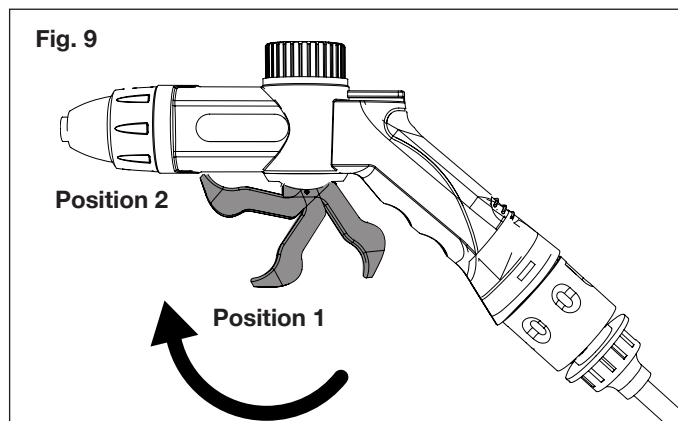
Using the Spray Gun

⚠ WARNING! High-pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, pets, live electrical equipment, or the appliance itself.

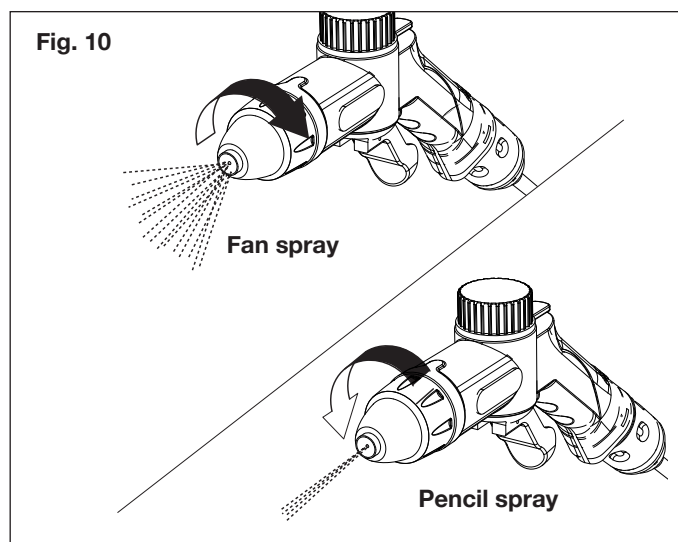
1. To use the spray gun, pull back the trigger to start the water flow (Fig. 8).



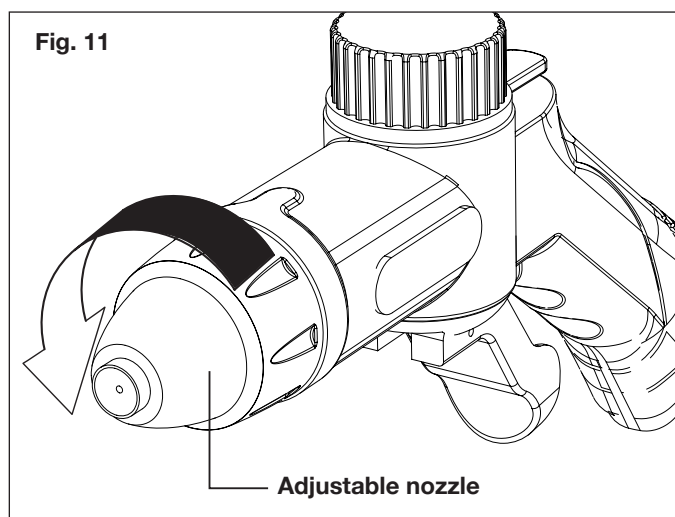
2. For continuous operation, push the trigger and lock it in position 1 or position 2 (Fig. 9).



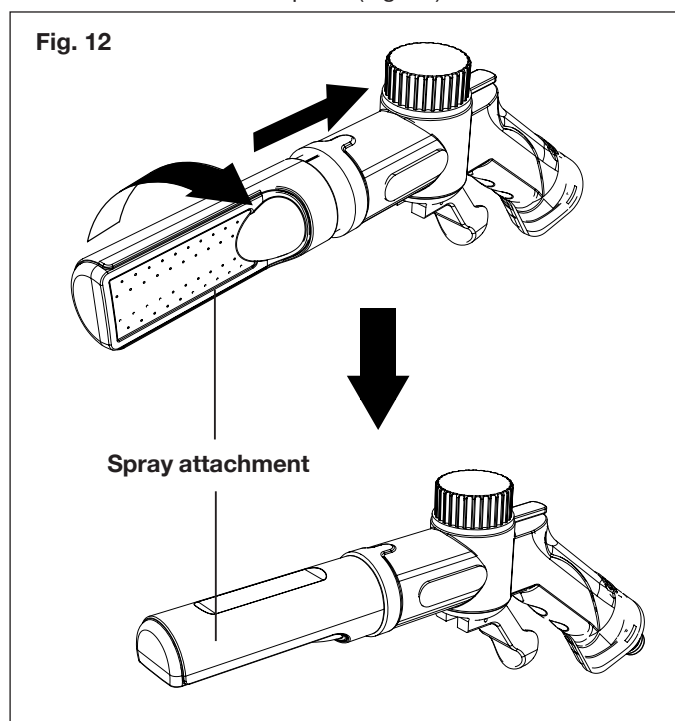
3. The water flow can also be adjusted from wide, fan spray to tight, pencil spray. Turn the nozzle counterclockwise for pencil spray and clockwise for fan spray (Fig. 10).



4. The spray gun is equipped with an adjustable nozzle and a spray attachment. To assemble the spray attachment, first grab the end of the adjustable nozzle and unscrew it fully to remove (Fig. 11).



5. Insert the spray attachment firmly, as shown, and rotate clockwise to lock it in place (Fig. 12).



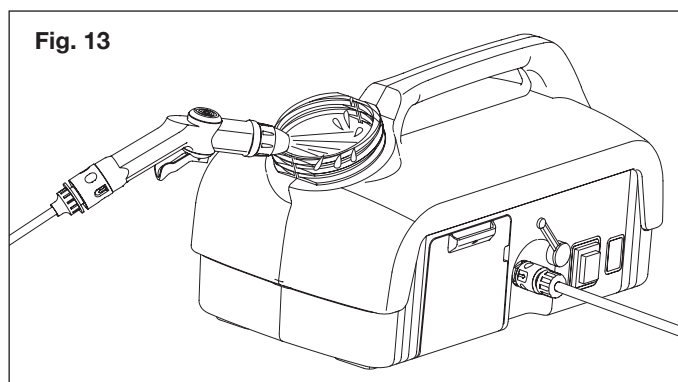
Maintenance

⚠CAUTION! Before working on the portable spray washer, switch off the unit and remove the battery from the compartment.

Bleeding the Air

During normal use, air may get trapped in the hose, which will cause the pressure to drop. Bleeding the air before using will allow air to escape and discharge residual pressure in the hose.

1. Make sure the water tank is filled with clean water.
2. With the water tank cap removed and spray gun pointing into the water tank, squeeze the trigger and start the machine (Fig. 13).



3. Wait for a few seconds until the water flow is steady. The unit is ready for use.

Storage

⚠CAUTION! Always store your cordless spray washer in a location where the temperature will not fall below 32°F (0°C). The pump in this machine is susceptible to permanent damage if it freezes. **FREEZE DAMAGE IS NOT COVERED BY THE WARRANTY.**

- Store the spray washer indoors in a dry, covered area where it is not subject to adverse weather conditions.
- It is important to store this product in a frost-free area.
- Always empty water from all hoses, the pump, and the water tank before storing.

⚠CAUTION! The use of a pump protector is recommended to prevent cold weather damage during storage over the winter months.

Winterizing + long-term storage

If you must store your spray washer in a location where the temperature falls below 32°F (0°C), you can minimize the chance of damage to your machine by utilizing the following procedure:

- Turn on the machine for a few seconds until the remaining water in the pump exits. Turn off immediately.
- Do not allow the hose to become kinked.
- Store the machine and accessories in a room that does not reach freezing temperatures.
- Do not store near a furnace or other sources of heat that may dry out the pump seals.
- Operate the spray washer with non-corrosive/non-toxic anti-freeze, a pump saver, or a pump protector before storing for the winter.

⚠WARNING! Before reusing, completely flush the unit out with clear water. Anti-freeze products can damage paintwork, so you must ensure there is no anti-freeze left in the system before using it again.

Disposal

Recycling the washer

- Do not dispose of appliances as unsorted municipal waste. Use separate collection facilities.
- Contact your local government agency for information regarding the collection systems available.
- If appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least free of charge.

Battery Caution + Disposal

Always dispose of your battery pack according to federal, state, and local regulations. Contact a recycling agency in your area for recycling locations.

⚠CAUTION! Even discharged battery packs contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

⚠WARNING! To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead or completely discharged. When burned, toxic fumes and materials are emitted into the surrounding atmosphere.

- 1. Batteries vary according to device. Consult your manual for specific information.
- 2. Install only new batteries of the same type in your product (where applicable).
- 3. Failure to insert batteries in the correct polarity, as indicated in the battery compartment or manual, may shorten the life of the batteries or cause batteries to leak.
- 4. Do not mix old and new batteries.
- 5. Do not mix Alkaline, Standard (Carbon-Zinc) or Rechargeable (Nickel Cadmium, Nickel Metal Hydride, or Lithium-Ion) batteries.
- 6. Do not dispose of batteries in fire.
- 7. Batteries should be recycled or disposed of as per state and local guidelines.

Service + Support

If your Sun Joe® 24V-PSW25-RM cordless portable spray washer requires service or maintenance, please call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

Model + Serial Numbers

When contacting the company, reordering parts, or arranging service from an authorized dealer, you will need to provide the model and serial numbers, which can be found on the decal located on the housing of the unit. Copy these numbers into the space provided below.

Record the following numbers from the housing or handle of your new product:

Model #:

24V-PSW25-RM

Serial #:

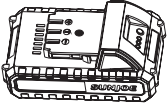
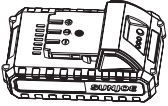
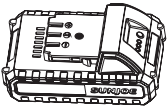
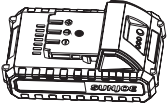
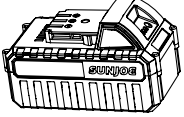
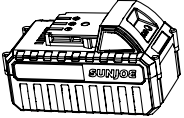

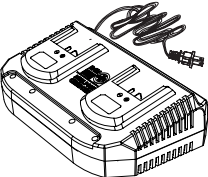
Troubleshooting

- Remove battery from the unit before carrying out maintenance on the machine or when checking that its parts are in proper working order.
- To avoid unnecessary hassles, consult the following table before contacting customer service with any mechanical issues.

Problems	Possible Cause	Possible Solution
Machine refuses to start	<ul style="list-style-type: none"> • Battery is flat. • The battery protection system is active. 	<ul style="list-style-type: none"> • Charging the battery. • Turn off the unit and wait for 10 minutes, then turn on the unit again
Fluctuating pressure	<ul style="list-style-type: none"> • Pump sucking air. • Valves dirty, worn out, or stuck. • Pump seals worn out. 	<ul style="list-style-type: none"> • Check the hoses and connections are airtight. • Clean or replace valves/seals. • Please call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563) for assistance.
Machine stops	<ul style="list-style-type: none"> • Battery is flat. • Nozzle partially blocked. 	<ul style="list-style-type: none"> • Charging the battery. • Clean the nozzle.
Machine pulsating	<ul style="list-style-type: none"> • Inadequate supply of mains water. • Nozzle partially blocked. • Water filter blocked. • Hose kinked. 	<ul style="list-style-type: none"> • Check that the water tank is filled. • Clean the nozzle. • Clean the water inlet filter. • Straighten out the hose to remove any kinks/blockages.
Machine starts, but no water comes out	<ul style="list-style-type: none"> • Pump/hoses or accessories frozen. • No water supply. • Water inlet filter blocked. • Nozzle blocked. 	<ul style="list-style-type: none"> • Wait for pump/hoses or accessories to thaw. • Fill water in the water tank • Clean the filter. • Clean the nozzle.

Optional Accessories

⚠ WARNING! ALWAYS use only authorized Snow Joe® + Sun Joe® replacement parts and accessories. NEVER use replacement parts or accessories that are not intended for use with this cordless spray washer. Contact Snow Joe® + Sun Joe® if you are unsure whether it is safe to use a particular replacement part or accessory with your spray washer. The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage.

Accessories	Item	Model
1 	iON+ 24V 1.3 Ah Lithium-Ion Battery <i>Battery Charge Time Max:</i> <i>Charge times vary by charger. See website for details.</i> <i>Battery Runtime Max: 20 min (sprays up to 10 gallons)</i>	24VBAT-LTW
2 	iON+ 24V 1.5 Ah Lithium-Ion Battery <i>Battery Charge Time Max:</i> <i>Charge times vary by charger. See website for details.</i> <i>Battery Runtime Max: 25 min (sprays up to 12 gallons)</i>	24VBAT-LTX
3 	iON+ 24V 2.0 Ah Lithium-Ion Battery <i>Battery Charge Time Max:</i> <i>Charge times vary by charger. See website for details.</i> <i>Battery Runtime Max: 30 min (sprays up to 16 gallons)</i>	24VBAT-LTE
4 	iON+ 24V 2.5 Ah Lithium-Ion Battery <i>Battery Charge Time Max:</i> <i>Charge times vary by charger. See website for details.</i> <i>Battery Runtime Max: 40 min (sprays up to 25 gallons)</i>	24VBAT-LT
5 	iON+ 24V 4.0 Ah Lithium-Ion Battery <i>Battery Charge Time Max:</i> <i>Charge times vary by charger. See website for details.</i> <i>Battery Runtime Max: 65 min (sprays up to 35 gallons)</i>	24VBAT
6 	iON+ 24V 5.0 Ah Lithium-Ion Battery <i>Battery Charge Time Max:</i> <i>Charge times vary by charger. See website for details.</i> <i>Battery Runtime Max: 1 hr 20 min (sprays up to 50 gallons)</i>	24VBAT-XR
7 	iON+ 24V Lithium-Ion Battery Quick Charger	24VCHRG-QC
8 	iON+ 24V Lithium-Ion Battery Charger	24VCHRG-DPC

NOTE: Accessories are subject to change without any obligation on the part of Snow Joe® + Sun Joe® to provide notice of such changes. Accessories can be ordered online at sunjoe.com or via phone by contacting the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

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SNOW JOE® + SUN JOE® REFURBISHED GOODS WARRANTY

GENERAL CONDITIONS:

Snow Joe® + Sun Joe® operating under Snow Joe®, LLC warrants this refurbished product to the original purchaser for 90 days against defects in material or workmanship when used for normal residential purposes. If a replacement part or product is needed, it will be sent free of charge to the original purchaser except as noted below.

The duration of this warranty applies only if the product is put to personal use around the household. It is the owner's responsibility to correctly perform all maintenance and minor adjustments explained in the owner's manual.

HOW TO OBTAIN YOUR REPLACEMENT PART OR PRODUCT:

To obtain a replacement part or product, please visit snowjoe.com/help or email us at help@snowjoe.com for instructions. Please be sure to register your unit beforehand to speed up this process. Certain products may require a serial number, typically found on the decal affixed to the housing or guard of your product. All products require a valid proof of purchase.

EXCLUSIONS:

- Wearing parts like belts, augers, chains and tines are not covered under this warranty. Wearing parts can be purchased at snowjoe.com or by calling 1-866-SNOWJOE (1-866-766-9563).
- Batteries are covered in full for 90-days from the date of purchase.

Snow Joe® + Sun Joe® may from time to time change the design of its products. Nothing contained in this warranty shall be construed as obligating Snow Joe® + Sun Joe® to incorporate such design changes into previously manufactured products, nor shall such changes be construed as an admission that previous designs were defective.

This warranty is intended to cover product defects only. Snow Joe®, LLC is not liable for indirect, incidental or consequential damages in connection with the use or misuse of the Snow Joe® + Sun Joe® products covered by this warranty. This warranty does not cover any cost or expense incurred by the purchaser in providing substitute equipment or service during reasonable periods of malfunction or non-use of this product while waiting for a replacement part or unit under this warranty. Some states do not allow exclusions of incidental or consequential damages so the above exclusions may not apply in all states. This warranty may give you specific legal rights in your state.

HOW TO REACH US:

We're here to help Monday through Friday from 9AM to 7PM EST and Saturday and Sunday 9AM to 4PM. You can reach us at 1-866-SNOWJOE (1 866-766-9563), online at snowjoe.com, via email at help@snowjoe.com or tweet us @snowjoe.

EXPORTS:

Customers who have purchased Snow Joe® + Sun Joe® products exported from the United States and Canada should contact their Snow Joe® + Sun Joe® distributor (dealer) to obtain information applicable to your country, province or state. If for any reason, you are not satisfied with the distributor's service, or if you have difficulty obtaining warranty information, contact your Snow Joe® + Sun Joe® seller. If in the event your efforts are unsatisfactory, please reach out to us directly.



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