



A Division of Snow Joe®, LLC

CORDLESS GO-ANYWHERE PRESSURE WASHER

40 V MAX | 1160 PSI | PRESSURE SELECT

Model SPX6000C-XR

Form No. SJ-SPX6000C-XR-880E-M

OPERATOR'S MANUAL

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 pressure 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.
- **Dress properly** – Do not wear loose clothing or jewelry. They can get caught in moving parts. Protective rubber gloves and non-slip footwear are recommended when working outdoors.
- **⚠ 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 pressure 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 a machine with power with your finger on the trigger. Make sure the switch is off before insert the battery.
- **Remove the battery** – Remove the battery from the pressure washer when it is not in use, before servicing it, when changing accessories, and when performing any other maintenance task.
- **Use safety glasses** – Also use safety footwear, snug-fitting clothing, protective gloves, hearing and head protection.
- **Check the water temperature** – This pressure washer is not meant to pump hot water. **NEVER** connect it to a hot water supply or pour hot water into the bucket as it will significantly reduce the life of the pump.
- **Store indoors** – **NEVER** store the pressure 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! This appliance has been designed for use with cleaning agents that are recommended by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the appliance.

⚠ WARNING! Do not use the appliance within range of persons 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.
- **Keep children away** – This cordless high-pressure washer must not be used by children or untrained personnel. Close supervision is necessary when a product is used near children.
- To ensure appliance safety, use only original replacement parts from the manufacturer or those approved by the manufacturer.

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

⚠ 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.

- **Check for damaged parts** – Do not use the appliance if any important parts of the appliance are damaged (e.g. safety devices, high-pressure hoses, trigger gun).
- This cordless high-pressure power 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. Sudden overturn of the machine can cause bodily injury.
- In the event of an accident or breakdown, switch off the machine immediately. (If contact with detergent occurs, rinse with an abundance of clean water.)

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 iBAT40 series battery for replacement; other batteries may damage the pressure washer and cause it to malfunction, which can lead to serious personal injury.

⚠ CAUTION! To reduce the risk of injury, charge the EcoSharp® iBAT40XR lithium-ion battery pack only in its designated lithium-ion charger, the iCHRG40. 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 -4°F (-20°C) to 113°F (45°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.
- **Charger iCHRG40 is rated for 120 volt AC only** – The charger must be plugged into an appropriate receptacle.
- **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 paper clips, 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 104°F (40°C), such as in direct sunlight or inside a vehicle or metal building during the summer.
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 m) 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 battery

1. The battery pack supplied with your cordless pressure washer 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 to at least 40%.
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 pressure 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 m) 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.
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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 inserting it into 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 in 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 50°F (10°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 50-104°F (10-40°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 50-104°F (10-40°C). Store your lithium-ion battery pack in a cool, dry place at a temperature of 50-68°F (10-20°C). Protect the battery pack, charger and cordless tool from humidity and direct sunlight. Only place fully charged batteries in storage (charged to at least 40%).
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 gun at anyone or at any part of the body.
- In case of skin penetration, seek medical aid immediately.
- Before servicing, cleaning, or removing any parts, shut off the power and relieve pressure.
- This machine is not suitable for connection to the potable water mains.
- Do not spray electrical apparatus and wiring.
- **ARCING PARTS** – Keep the motor at least 20 ft (6 m) away from explosive vapors.
- **⚠CAUTION!** Gun kicks back. Hold trigger with both hands.

Product Description

Purpose

- This cordless high-pressure power washer is intended for residential use to clean vehicles, machines, buildings, facades, etc.

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 104°F (40°C).
- The machine consists of an assembly with a pump, which is encased in a shock-absorbing housing. To provide the operator with an optimal working position, the machine is equipped with a spray wand and a non-slip handle grip, whose shape and configuration comply with applicable regulations.
- Do not cover or modify the spray wand or the spray nozzles in any way.
- The cordless high-pressure 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 these could impair operation and shorten the life of the machine.

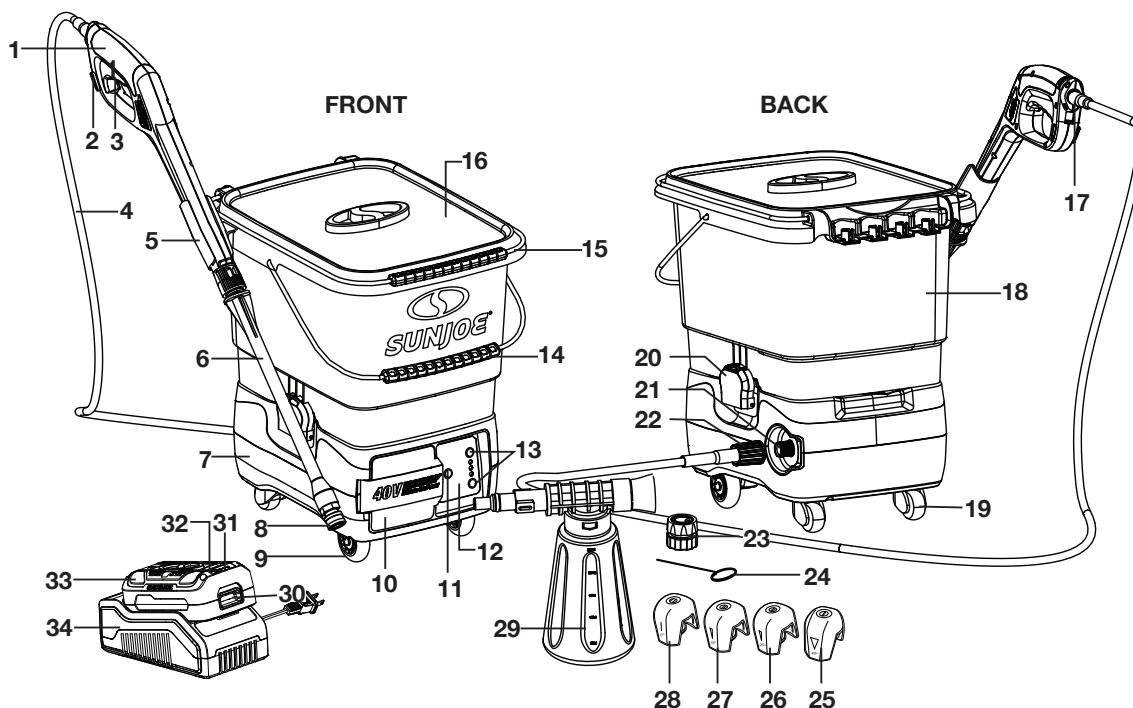
Safety Symbols

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, user must keep all bystanders at least 49 ft (15 m) away.		Machine not suitable for connection to the potable water mains.
	Wear safety gloves during use to protect hands.		Wear non-slip footwear that will protect your feet and improve your footing on slippery surfaces.
	Store indoors. Never store the pressure washer outdoors. If the pump freezes, permanent damage may result.		Indoor use only. Only use battery charger indoors.
	Sound power level is 96 dB(A).		

Know Your Cordless Pressure Washer

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



- | | | |
|-------------------------------|-----------------------------------|--|
| 1. Trigger gun | 13. Pressure select buttons (2) | 25. 40° Quick-Connect nozzle (gray) |
| 2. Safety lock | 14. Bucket handle | 26. 25° Quick-Connect nozzle (green) |
| 3. Trigger | 15. Tow handle | 27. 15° Quick-Connect nozzle (yellow) |
| 4. High-pressure hose | 16. Bucket lid | 28. 0° Quick-Connect nozzle (orange) |
| 5. Trigger gun holder | 17. High-pressure hose connection | 29. Soap dispenser attachment |
| 6. Spray wand | 18. Water bucket | 30. Push lock button |
| 7. Base unit | 19. All-direction wheel (2) | 31. Battery indicator |
| 8. Quick-connect collar | 20. Bucket buckle (2) | 32. Push button for battery indicator |
| 9. Fixed wheel (2) | 21. Water outlet | 33. EcoSharp® lithium-ion battery (iBAT40XR) |
| 10. Battery compartment cover | 22. Water outlet connection | 34. EcoSharp® battery charger (iCHRG40) |
| 11. On/Off switch | 23. Garden hose adapter | |
| 12. Control panel | 24. Needle clean-out tool | |

Technical Data

Battery Voltage*	40 V D.C.	Max. Water Inlet Pressure	0.7 MPa
Battery Capacity	5.0 Ah	Max. Rated Flow	0.79 GPM
Charging Time	3 – 3.5 hours (for full charge)	Max. Flow	1 GPM
Battery Run Time	19 – 31 mins	Max. Rated Pressure	800 PSI
Motor	Brushless	Max. Pressure	1160 PSI
Max. Water Inlet Temperature	104°F/40°C	High Pressure Hose Length	20.3 ft (6.2 m)
Bucket Capacity	5.3 gal (20 l)	Weight (unit + battery + charger)	20.9 lbs (9.5 kg)
		Weight (unit + battery)	19.4 lbs (8.8 kg)

*Initial no-load voltage, when fully charged, peaks at 40 volts; nominal voltage under typical load is 36 volts.

Unpacking

Carton Contents

- Water bucket assembly
- Base unit
- Trigger gun
- Spray wand
- Four (4) Quick-Connect nozzles (0°, 15°, 25°, and 40°)
- Needle clean-out tool
- Soap dispenser attachment
- Trigger gun holder
- High-pressure hose
- Garden hose adapter (female coupler)
- 40 V EcoSharp® battery
- EcoSharp® battery charger
- Manuals with registration card

1. Carefully remove the pressure 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 pressure 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.

Assembly

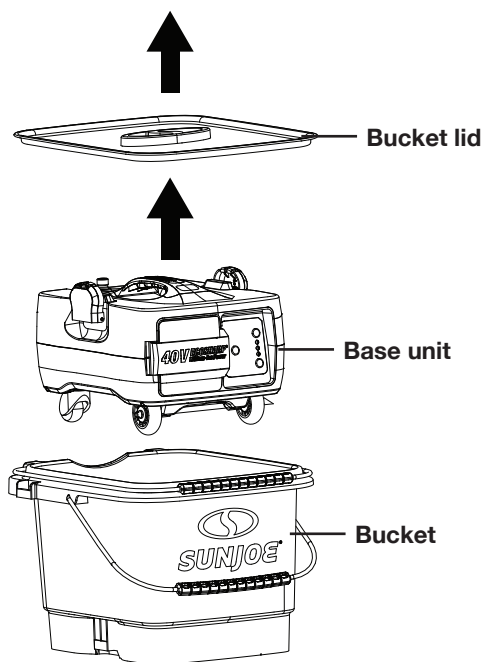
1. The washer must be used on a secure and stable surface in a standing, upright position (Fig. 1).

Fig. 1



2. Open the bucket lid, take the base unit out from the bucket (Fig. 2).

Fig. 2



3. Insert the trigger gun holder onto the bucket (Fig. 3).

Fig. 3

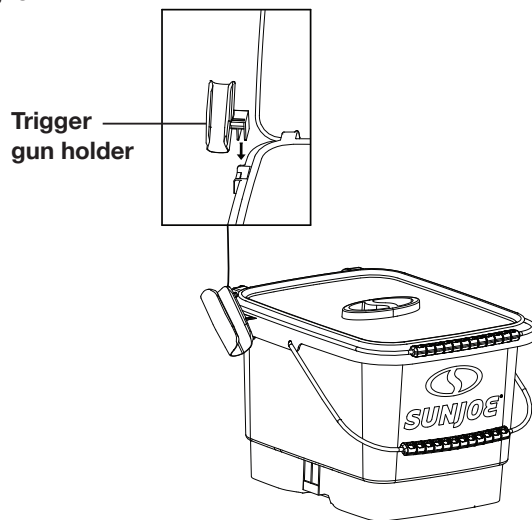
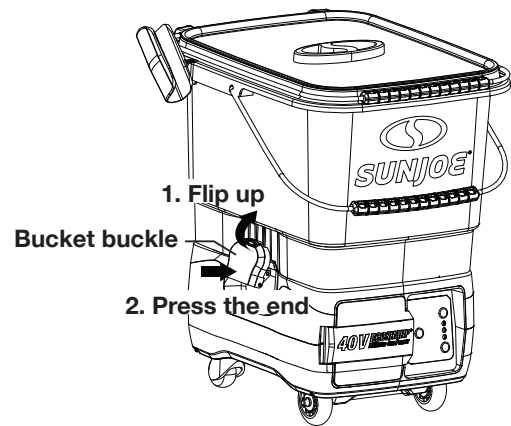
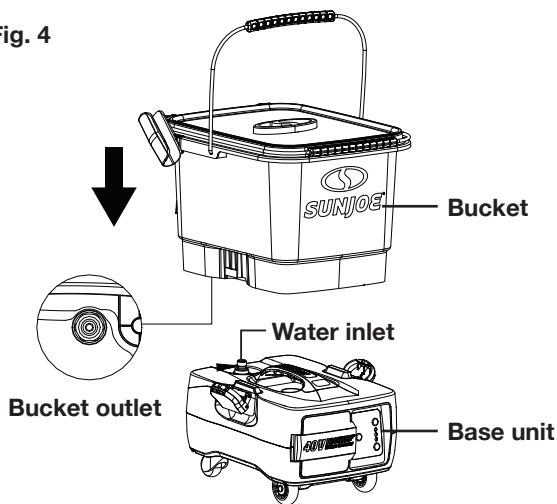


Fig. 5



4. Align the water inlet on the base unit with the outlet on the bottom of the bucket, and seat the bucket on the base unit. Check alignment to ensure a proper seal and connection (Fig. 4).

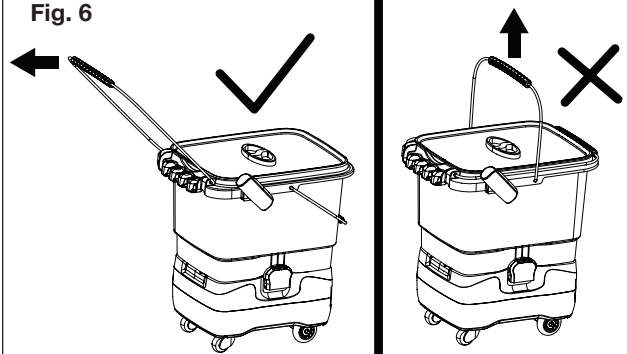
Fig. 4



5. Flip up the buckles on the base unit and latch to bucket. Press down on the buckle ends to lock the bucket to the base unit (Fig. 5).

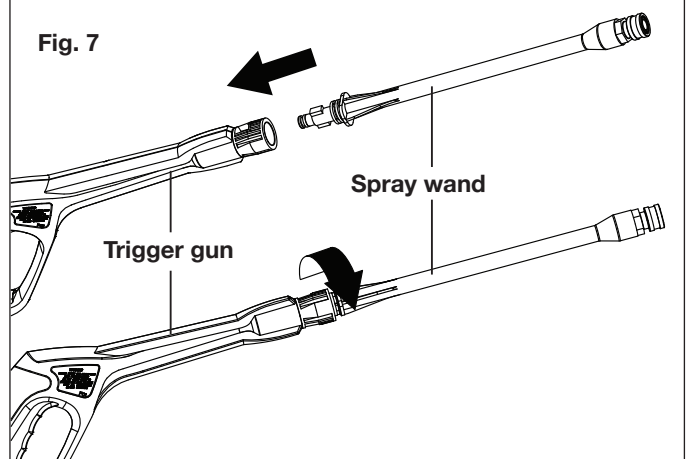
⚠ WARNING! When the water bucket is fixed on the base unit, do not lift the pressure washer by the handle. Instead, use the tow handle to pull the pressure washer unit along on its wheels (Fig. 6).

Fig. 6

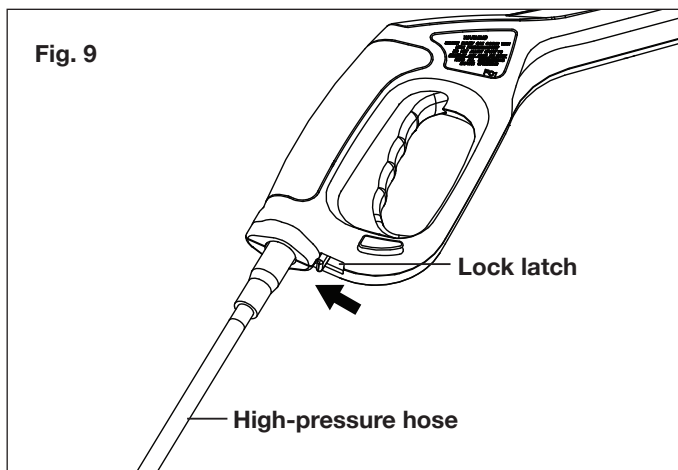
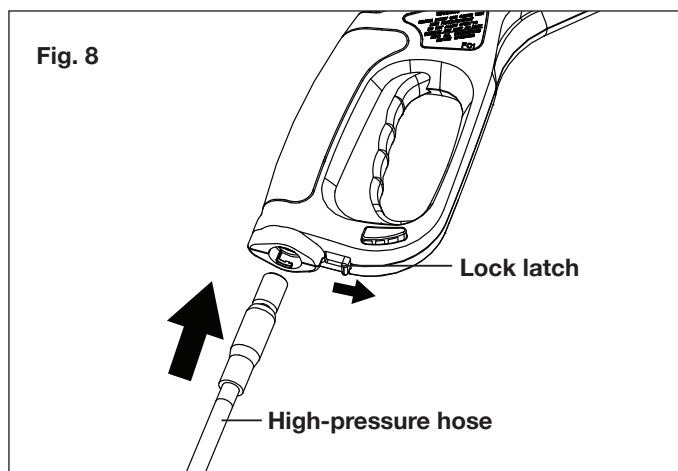


6. Take the spray wand and align the two tabs with your trigger gun. Once aligned, push the spray wand firmly into the trigger gun, twist counter-clockwise to lock into place (Fig. 7).

Fig. 7



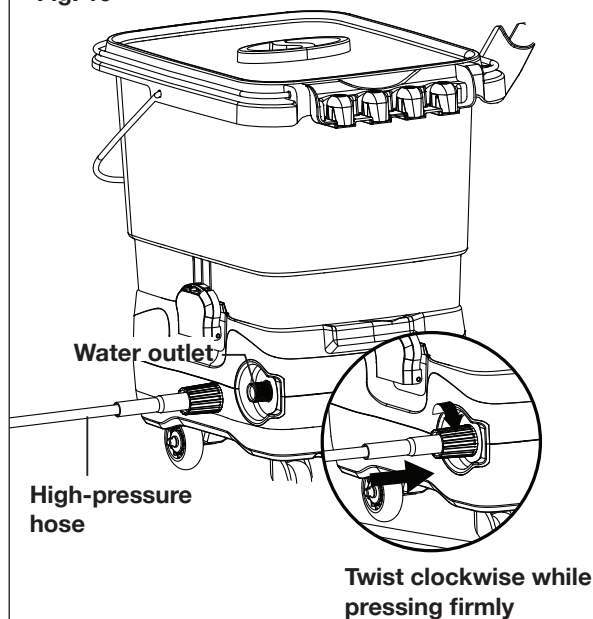
7. Unlock the lock latch by moving it down, and insert the high pressure hose into the high pressure hose connection on the end of the trigger gun. Slide the latch back to lock the hose in place (Figs. 8 – 9).



⚠ 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.

8. Connect the high-pressure hose to the base unit by inserting the other end into the water outlet. While pushing firmly in on the hose, twist the outer collar clockwise until tight to ensure a water-tight connection (Fig. 10).

Fig. 10



9. Put the trigger gun with spray wand assembly on the gun holder. Your pressure washer is ready for use (Fig. 11).

Fig. 11



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, place the battery pack on 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 EcoSharp® iBAT40XR lithium-ion battery packs in compatible EcoSharp® iCHRG40 lithium-ion battery chargers. 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.

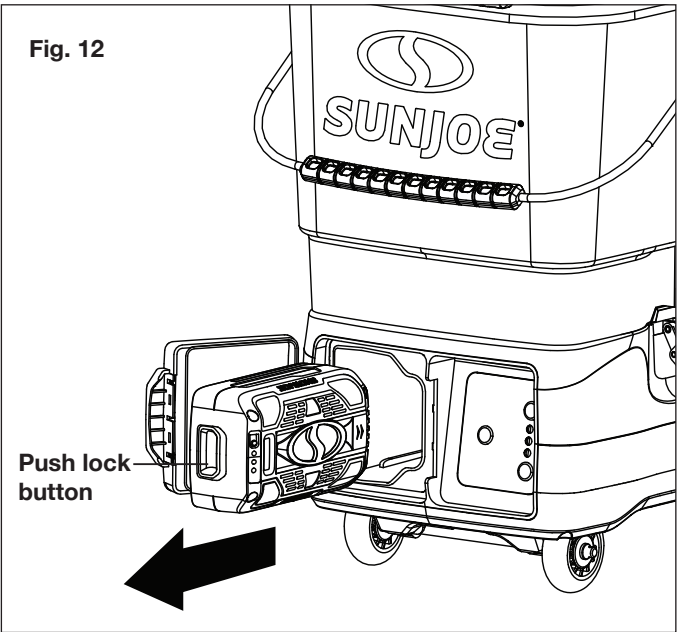
When to Charge the EcoSharp® iBAT40XR Lithium-Ion Battery

NOTE: The EcoSharp® iBAT40XR 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 placing it into the charger.

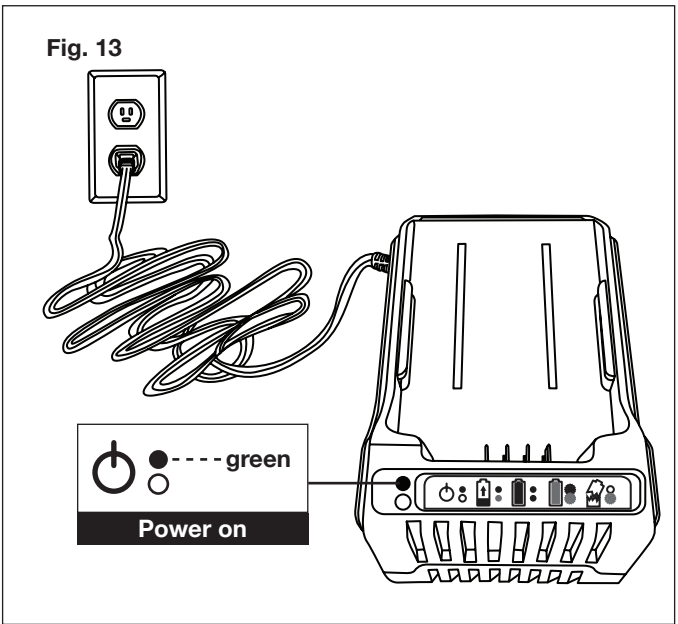
- Use the battery charge indicator lights to determine when to charge your EcoSharp® iBAT40XR lithium-ion battery pack.
- You can "top-off" your battery pack's charge before starting a big job or after a long day of use.

Charging the Battery

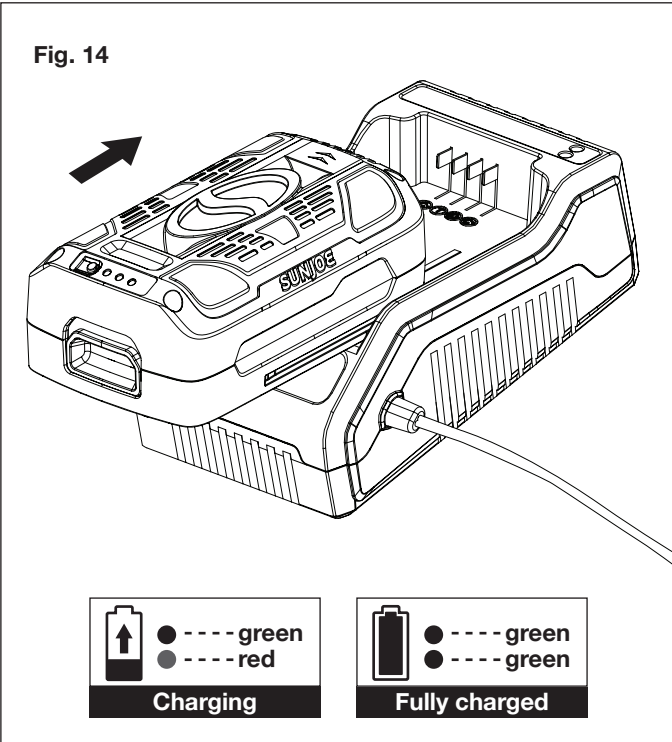
1. Open the battery compartment cover. Slide the push lock button on the battery to remove the battery pack from the base unit (Fig. 12).



2. Check that the mains voltage is the same as that marked on the rating plate of the battery charger. Then, insert the charger's plug into the electrical wall outlet. When you plug in the charger, the top green light will illuminate and stay green (Fig. 13).



- Place the battery pack into the charger by sliding the pack as shown to lock it into position. When you insert the battery into the charger, the bottom red light will illuminate to indicate that the battery is charging (Fig. 13).
- When the bottom light turns green, the battery is fully charged (Fig. 14).

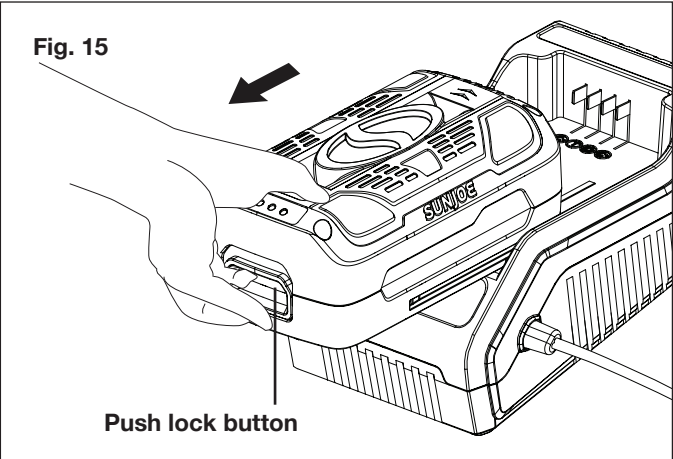


NOTE: If the top light remains green while the bottom light alternately flashes red and green, this indicates a temperature abnormality (i.e. that the battery pack is either too hot or too cold). If there is only a red blinking light, this indicates that something is wrong with the battery. Contact Snow Joe® + Sun Joe® customer service center at 1-866-SNOW-JOE (1-866-766-9563) for assistance.



- A fully discharged pack with an internal temperature in the normal range will fully charge in 2.5 to 3 hours (between 32°F/0°C and 113°F/45°C). Heavily cycled battery packs may take longer to charge completely.
- If the charging light indicator alternately blinks red and green or the light indicator does not come on at all, check that the battery pack is fully seated into the bay. Remove the pack and reinsert. If the problem persists, contact the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563) for assistance.

- When charging is complete, remove the battery from the charger by pulling the push lock button and sliding the battery backward to unlock it from the charger (Fig. 15).



- 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.

Charging a Hot or Cold Battery Pack

A red and green flashing indicator light on the charger indicates that the battery pack temperature is outside the charging range. Once the pack is within the acceptable range, normal charging will take place and the red light will be continuous. Hot or cold battery packs may take longer to charge.

Lithium-Ion Charging Status		
Battery Pack Temperature	Red Charger Indicator Light	Charging Status
Too hot	Flashing	Not charging
Normal range	Continuous	Normal charging
Too cold	Flashing	Not charging

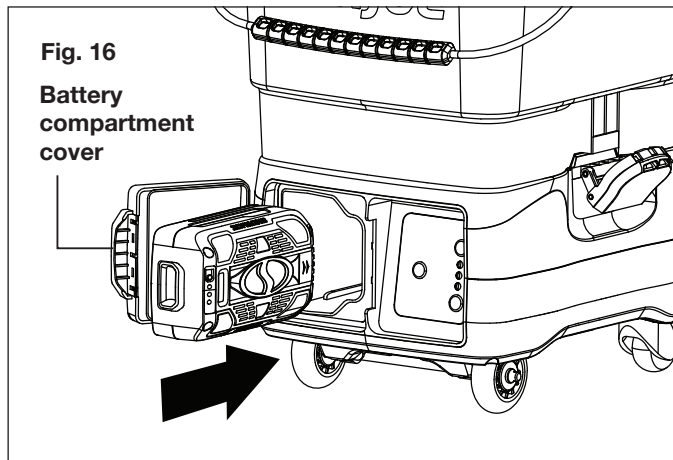
Operation

⚠️IMPORTANT! This pressure 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.

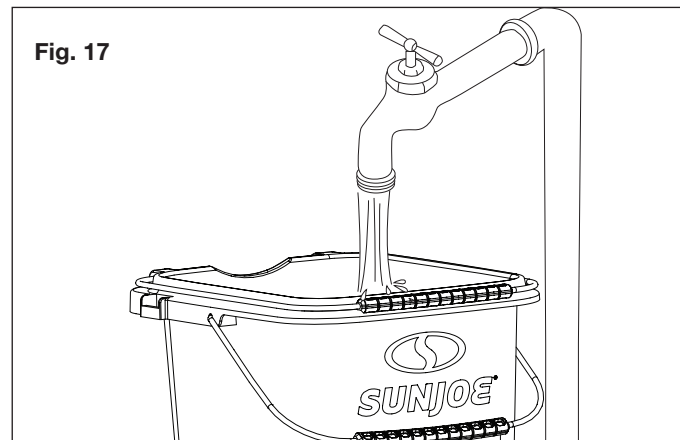
The TSS system will work only when there's water in the bucket or the base unit is connected with a water supply. When there's no water connected with the unit, the On/Off button has to be pressed to stop the unit.

⚠️IMPORTANT! This system is capable of producing 8 Mpa. To avoid rupture and injury, do not operate this pump with components rated less than 8 Mpa working pressure (including but not limited to spray guns, hose, and hose connections).

1. 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. 16).



2. Remove the water bucket from the base unit and fill with clean (fresh) water (Fig. 17).



⚠️WARNING! The intake water temperature must not exceed 104°F/40°C.

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

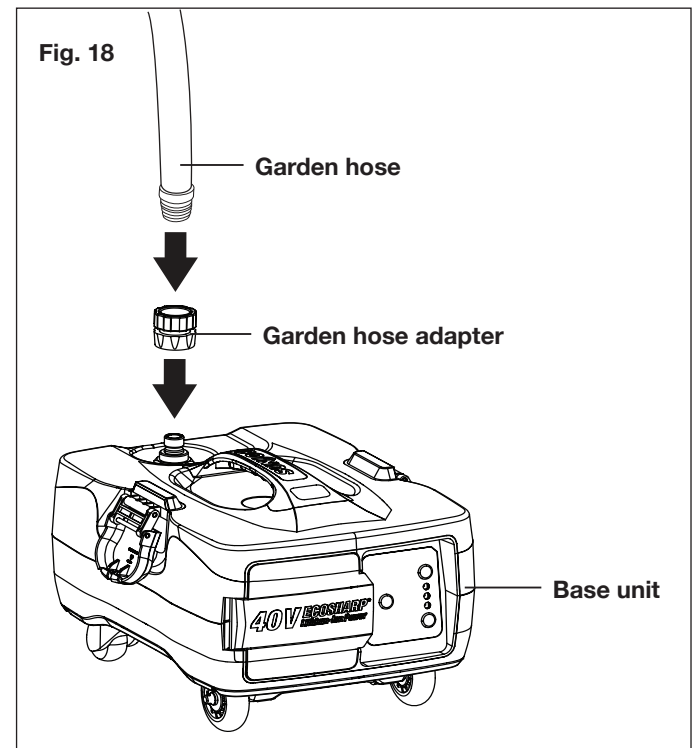
⚠️WARNING! Do not fill the bucket with the bucket still fixed on the base unit.

3. Put the bucket back on the base unit. Make sure the bucket is properly aligned on the base. Latch and lock

the buckles to ensure the bucket is securely connected before using (Figs. 4 – 5).

NOTE: If you do not want to use the bucket, you can use the base unit directly as a pressure washer. See following instructions (step 4 – 5) to learn how to connect the base unit with a water supply.

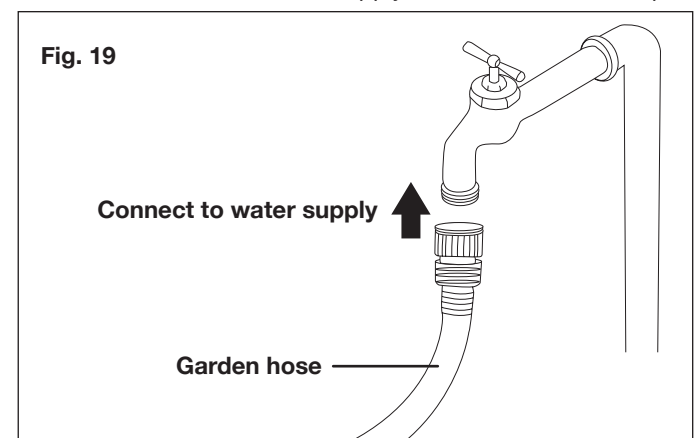
4. Connect the garden hose adapter (female coupler) to the water inlet of the pressure washer on the base unit, then thread your garden hose (male end) into the garden hose adapter (Fig. 18). The garden hose must have an internal diameter of at least 13 mm (1/2 in.) and must be reinforced. The water supply must be at least equal to the washer delivery capacity.



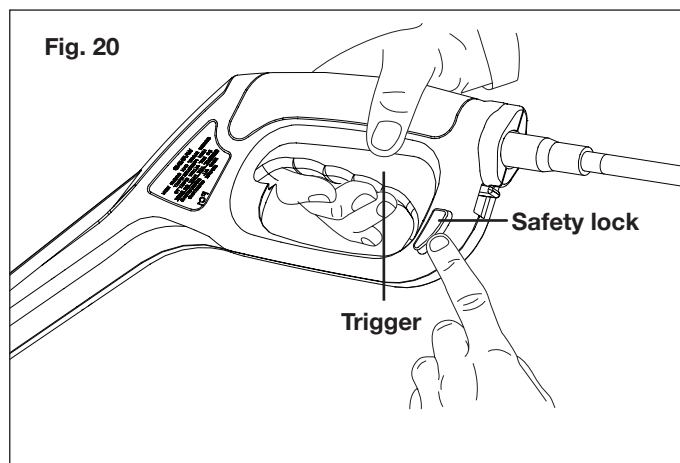
5. Attach garden hose to water supply (Fig. 19).

⚠️WARNING! Water that has flowed through back flow preventers is considered to be non-potable.

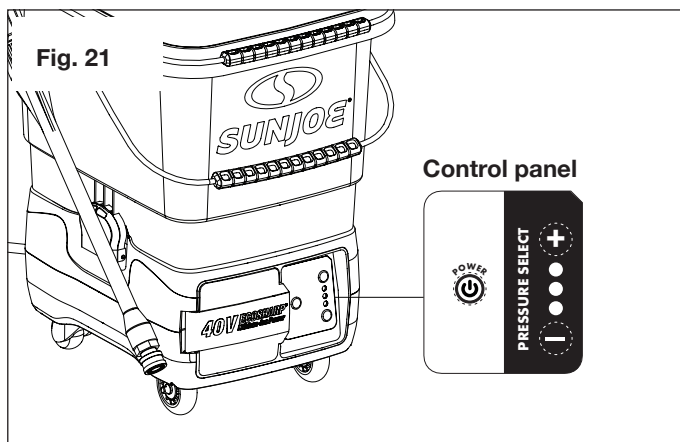
⚠️WARNING! The water supply must not exceed 0.7Mpa.



- If only using the base unit, turn the water supply tap on completely.
- Push the safety lock on the spray gun handle, then press the trigger for a few seconds until the water flow is steady. Operating the pressure washer in this manner will allow air to escape and discharge residual pressure in the hose (Fig. 20).



- Keeping the trigger pressed, turn on the unit by pressing the On/Off button on the control panel. Using the "Pressure Select" feature, you can also choose from three different pressure settings by pressing the + or - button on the right side of the control panel (Fig. 21).



NOTE: This machine is equipped with 3 selectable power/pressure levels. See table below for detailed specs.

Power	Light indication	Rated flow	Rated pressure
Low	○ – Off ○ – Off ● – On	0.66 GPM	507 PSI
Medium	○ – Off ● – On ● – On	0.75 GPM	650 PSI
High	● – On ● – On ● – On	0.79 GPM	800 PSI

- When re-starting the motor, always keep the trigger pressed.

NOTE: The motor only runs when the trigger is operated and shuts off when the trigger is released.

Using the Nozzles

Before beginning any cleaning task, determine the best nozzle for the job. Each nozzle has a different spray pattern. The nozzle patterns are 40° (for gentle cleaning), 25° (for all-purpose cleaning), 15° (for tough jobs), and 0° (for spot cleaning or hard-to-reach areas) .

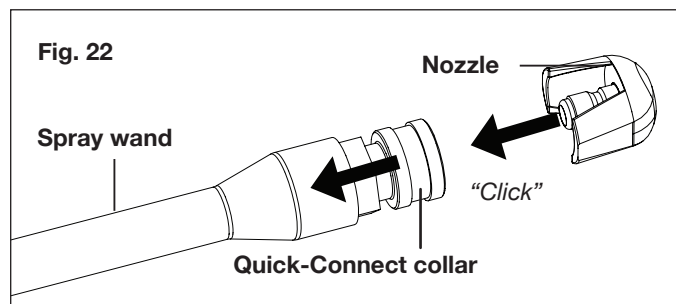
CAUTION! NEVER change nozzles without locking the safety lock on the trigger handle.

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.

This cordless pressure washer is equipped with four (4) Quick-Connect nozzles that easily snap onto the Quick-Connect collar of the spray wand.

To connect a nozzle to the spray wand:

- Turn off the pressure washer, remove the bucket or shut off the water supply. Pull the trigger to release water pressure.
- Lock the safety lock on the trigger handle by pushing on the safety lock until it *clicks* into the slot.
- Pulling the quick-connect collar backwards, at the same time, snap the desired nozzle onto the quick-connect collar until it *clicks* into place, then release the quick-connect collar (Fig. 22).



To disconnect a nozzle from the spray wand once the cleaning job is complete:

- Turn off the pressure washer and remove the water bucket/shut off the water supply. Pull the trigger to release water pressure.
- Lock the safety lock on the trigger handle by pushing on the safety lock until it *clicks* into the slot.
- Remove the nozzle by placing your hand over the nozzle while pulling back on the Quick-Connect collar.

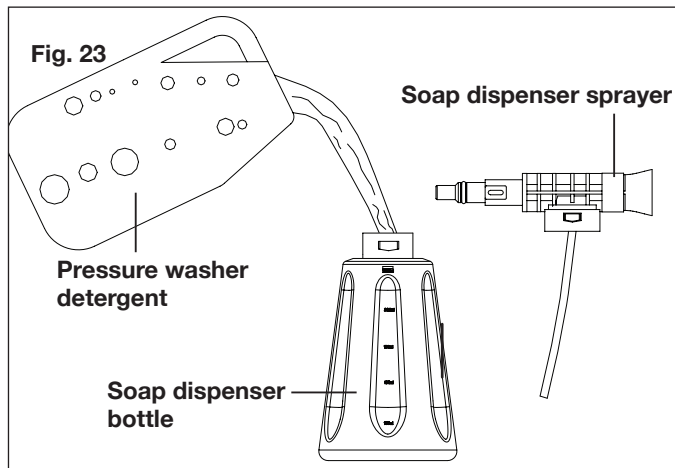
WARNING! Do not make changes to the nozzle while the trigger is engaged. Doing so could result in damage to the pressure washer or injury to the user.

Working with Detergents

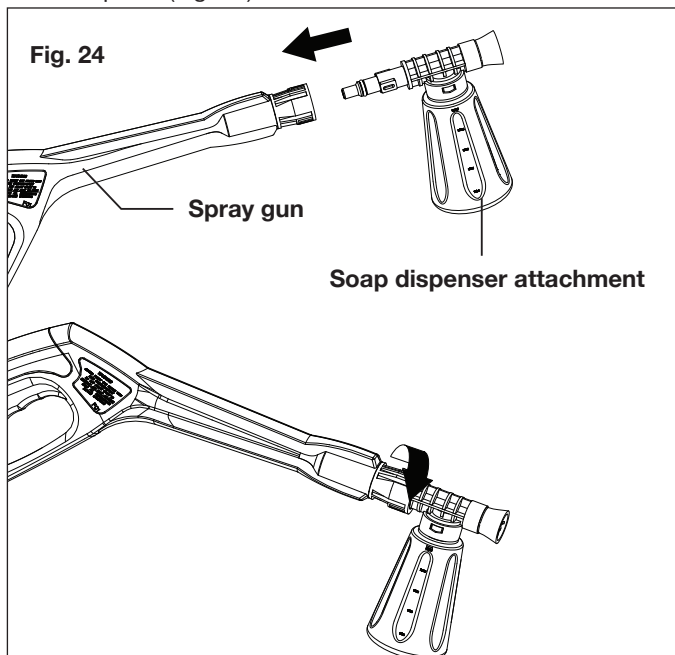
When cleaning with the pressure washer, some cleaning tasks can be solved with water alone, but for most tasks cleaning with detergent allows for more effective dirt removal.

⚠ WARNING! Use only detergents specifically designed for use with pressure washers. **DO NOT USE** household detergents, acids, alkaline solutions, bleaches, solvents, flammable material, or industrial grade solutions. These could damage the pressure washer. Many detergents may require mixing prior to use. Prepare the cleaning solution as instructed on the solution bottle.

1. Remove the spray wand attachment from the trigger gun.
2. Remove the soap dispenser sprayer from the bottle and fill with mixed detergent. Put the sprayer back on when finished (Fig. 23).



3. Take the soap dispenser attachment and align the two tabs with your trigger gun. Once aligned, push it into the trigger gun, and twist counter-clockwise to lock securely into place (Fig. 24).



4. Turn on the pressure washer. Pull the trigger to operate the unit.

⚠ CAUTION! Always test the detergent in an inconspicuous area before use.

5. Apply detergent from the bottom to the top of the dry surface to be cleaned.

NOTE: Wetting the surface first is not recommended as it dilutes the detergent and reduces its cleaning ability.

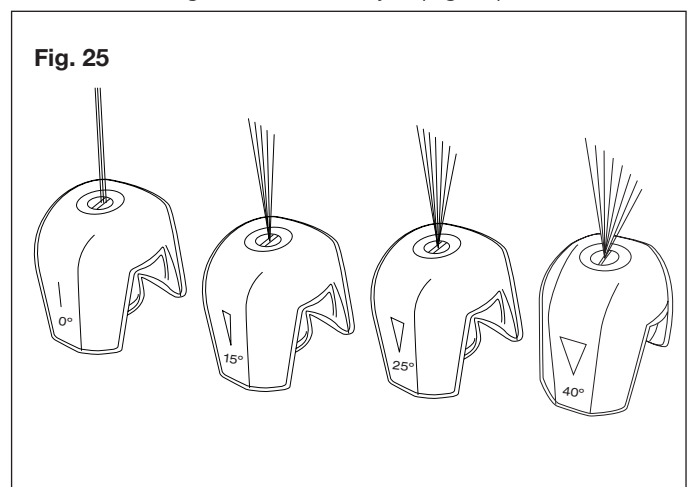
6. Allow the detergent to remain on the surface for a short time before rinsing. Do not allow the detergent to dry on the surface.

⚠ CAUTION! Damage may occur to painted surfaces if the detergent is allowed to dry on the surface. Wash and rinse a small section at a time. Avoid working on hot surfaces or in direct sunlight.

⚠ CAUTION! Failure to follow these cleaning instructions will cause the injection system to become clogged and inoperable.

Rinsing with the Pressure Washer

1. Turn off the pressure washer, remove the bucket or shut off the water supply.
2. Pull the trigger to release water pressure.
3. Lock the safety lock on the trigger handle by pushing on the safety lock until it clicks into the slot.
4. Remove the soap dispenser attachment by pushing firmly in while twisting it clockwise to unlock the tabs and remove from the slots. Pull the attachment out of the trigger gun.
5. Attach the spray wand onto the trigger gun.
6. Select the right nozzle for the job (Fig. 25).



- I) The 0° intense-jet nozzle (orange) is an extremely powerful nozzle that delivers a high-pressure, pencil-point jet stream. It is used to cut heavy dirt deposits in a small, concentrated area. It is ideal for dissolving stubborn substances, like tar and grease spots on concrete, or for removing caked mud from equipment. Use this nozzle to clean hard-to-reach areas including the facades of 2-story buildings or the undersides of lawn mowers and tractors.

NOTE: Care should be used when choosing the right nozzle to avoid permanently gouging wood or damaging fragile surfaces.

- II) Use the 15° fan-tip nozzle (yellow) for intense cleaning jobs on hard surfaces. Applications include stripping paint, removing oil stains, grease, heavy mildew stains, and rust from steel. This nozzle should only be used in areas that can withstand the high-pressure from this nozzle.
- III) Use the 25° fan-tip nozzle (green) to clean home siding, brick patios, wood decks, driveways, or sidewalks. When using this nozzle, test a small area first to avoid surface damage.
- IV) Use the 40° wide-spray tip nozzle (gray) to clean items such as cars, trucks, boats, patio furniture, or lawn equipment.

7. Lock the bucket with water on the base unit or connect the base unit with a water supply. Start at the top of the area to be rinsed and work your way down, making sure to overlap your strokes.

IMPORTANT! NEVER USE:

- Bleach, chlorine products, and other corrosive chemicals
- Liquids containing solvents (e.g. paint thinners, gasoline, oils)
- Tri-sodium phosphate products
- Ammonia products
- Acid-based products

These chemicals will harm the unit and will damage the cleaning surface.

Shutting Down

1. Press the On/Off button on the control panel.
2. Pour the remaining water out from the bucket or turn off the water source.
3. Hold the trigger to release water pressure.
4. If using the base unit directly, disconnect the garden hose from the water inlet on the base unit.
5. Disconnect the high-pressure hose connection on the trigger gun handle.
6. Release the trigger and lock the gun safety lock.

 **WARNING!** Turn off the water supply and squeeze the trigger to depressurize the unit. Failure to do so could result in personal injury due to discharge of high-pressure water.

Taking a Break

If you are taking a break of five minutes or more between cleaning tasks:

1. Lock the gun safety lock.
2. Push the On/Off button to stop the machine.

Storage

 **CAUTION!** Always store your pressure 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 pressure 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, the soap dispense attachment and the bucket 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 pressure 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:

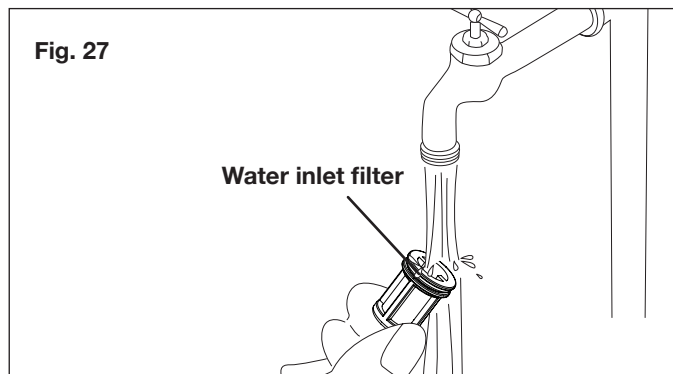
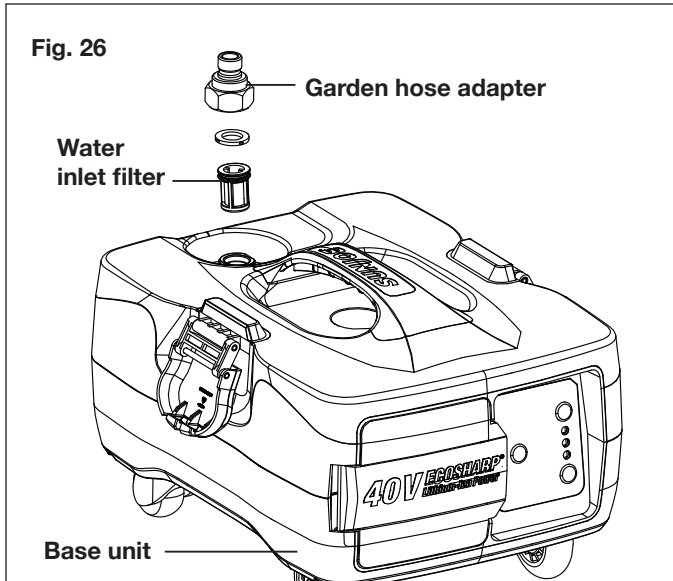
- Disconnect all water connections.
- Turn on the machine for a few seconds until the remaining water in the pump exits. Turn off immediately.
- Do not allow the high-pressure hose to become kinked.
- Store the machine and accessories in a room that does not reach freezing temperatures.
- Do not store near a furnace or other sources of heat that may dry out the pump seals.
- Operate the pressure 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.

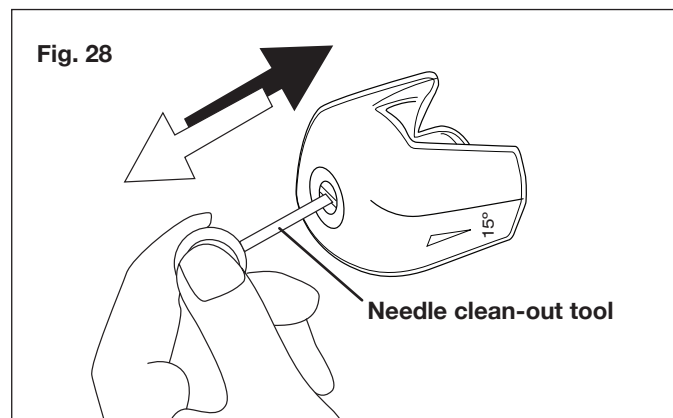
Maintenance

⚠CAUTION! Before working on the pressure washer, remove the battery from the compartment.

1. To ensure good performance, check and clean the water inlet filter. Remove the filter and rinse with warm water to prevent any foreign matter from clogging the pump (Figs. 26 – 27).



2. Clean the nozzle with the needle clean-out tool provided (Fig. 28). Remove the spray wand from the gun; remove any dirt from the nozzle hole and rinse.



3. Remove additional debris by back flushing water through the nozzle and spray wand. To do this, place the end of your garden hose (with water running) to the tip of the nozzle, pushing water and debris out of the back opening of the nozzle and spray wand.

Disposal

Recycling the Washer

- Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities.
- Contact your local government agency for information regarding the collection systems available.
- If electrical 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.

Recycling + Disposal

The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is functioning properly. Recycle the package afterwards or keep it for long-term storage.



WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or local store for recycling regulations.

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® iON SPX6000C-XR cordless pressure 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 #:																			
S	P	X	6	0	0	0	C	-	X	R									
Serial #:																			

iCHRG40

Federal Communications Commission (FCC)

⚠ WARNING! Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Class B device:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

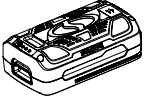
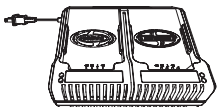
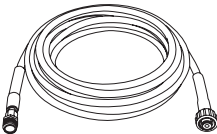
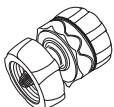
Troubleshooting

- Remove the battery from the compartment 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	• Power failure/Battery is not inserted well	• Check to make sure the battery has sufficient power and is inserted well
Fluctuating pressure	• Pump sucking air • Valves dirty, worn out, or stuck • Pump seals worn out	• 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	• Thermal sensor activated • Nozzle partially blocked • Battery is flat	• Leave the washer for 5 minutes to cool down • Clean the nozzle • Charge the battery.
Machine pulsating	• Air in inlet hose • Inadequate supply of mains water • Nozzle partially blocked • Water filter blocked • Hose kinked	• Allow machine to run by holding the trigger until regular working pressure resumes • Check that the water supply corresponds to the specifications required • WARNING! Avoid using long, thin hoses (minimum 1/2 in. diameter) • Clean the nozzle • Clean the water inlet filter • Straighten out the hose to remove any kinks/blockages
Machine often starts and stops by itself	• Pump/spray gun is leaking • Trigger mechanism is broken	• Please call Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563) for assistance
Machine starts, but no water comes out	• Pump/hoses or accessories frozen • No water supply • Water inlet filter blocked • Nozzle blocked	• Wait for pump/hoses or accessories to thaw • Connect inlet water • Clean the water inlet 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 pressure washer. Contact Snow Joe® + Sun Joe® if you are unsure whether it is safe to use a particular replacement part or accessory with your pressure washer. The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage.

Accessories	Item	Model
1 	EcoSharp® 40 V 4.0 Ah Lithium-Ion Battery Charging Time: 2.5 – 3 hours (for full charge) Battery Run Time (Max): 21 min	iBAT40
2 	EcoSharp® PRO 40 V 5.0 Ah Lithium-Ion Battery Charging Time: 3 – 3.5 hours (for full charge) Battery Run Time (Max): 31 min	iBAT40XR
3 	EcoSharp® PRO 40 V 6.0 Ah Lithium-Ion Battery Charging Time: 4 – 5 hours (for full charge) Battery Run Time (Max): 35 min	iBAT40XRP
4 	EcoSharp® 40 V Lithium-Ion Battery Charger	iCHRG40
5 	EcoSharp® 40 V Lithium-Ion Dual Port Battery Charger	iCHRG40-DPC
6 	Spray Tip Set (Fits SPX3000 + SPX4000 + SPX6000 Series Pressure Washers)	SPX3000-TPS
7 	25-Foot Extension Hose (For SPX Pressure Washer Series)	SPX-25H
8 	Solid Brass Universal Quick Connector (Garden Hose to Pressure Washer Adapter)	SPX-UQC

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 snowjoe.com or via phone by contacting the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

NOTES

[illegible]

[illegible]

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SNOW JOE® + SUN JOE® CUSTOMER PROMISE

ABOVE ALL ELSE, Snow Joe® + Sun Joe® are dedicated to you, our customer. We strive to make your experience as pleasant as possible. Unfortunately, there are times when a product does not work or breaks under normal operating conditions. We think it's important that you know what you can expect from us. That's why we created the Snow Joe® + Sun Joe® promise.

OUR PROMISE: Snow Joe® + Sun Joe® warrant new products for two years from the date of purchase. If your product does not work, or there's an issue with a specific part, we will fix this by either sending you a free replacement part or by sending you a new or comparable product at no charge. How cool is that! Before you know it, you'll be back in action cutting, sawing, mowing, washing and...?

PRODUCT REGISTRATION:

Snow Joe®, LLC ("Snow Joe® + Sun Joe®") strongly encourages you to register your purchase. You can register online at snowjoe.com/ProductRegistration, or by printing and mailing in a registration card available online from our website, or calling our Customer Service Department at **1-866-SNOWJOE (1-866-766-9563)**, or by e-mailing us at help@snowjoe.com. Failure to register your product purchase will not diminish your warranty rights. However, registering your purchase will allow Snow Joe® + Sun Joe® to better serve you with any of your customer service needs.

WHO CAN SEEK WARRANTY COVERAGE?

This Warranty is extended by Snow Joe® + Sun Joe® to the owner of this Machine (a "Machine" consists of a product powered by a motor) for residential and personal household use only. This Warranty does not apply to products used for commercial, rental or re-sale purposes. Should ownership of this machine change during the 2-year period, please update the Machine's owner information at snowjoe.com/ProductRegistration.

WHAT IS COVERED?

Snow Joe® + Sun Joe® warrants to the owner that if this Machine fails within 2 years from the date of purchase due to a defect in material or workmanship or as a result of normal wear and tear from ordinary household use, Snow Joe® + Sun Joe® will send a replacement part or product, as needed, free of charge and with free shipping to the original purchaser.

If, in Snow Joe® + Sun Joe®'s sole discretion, the failed Machine cannot be repaired with a part, Snow Joe® + Sun Joe® will elect to either (A) send a new Machine at no charge and with free shipping or (B) refund the full purchase price to the owner.

WHAT IS NOT COVERED?

This Warranty does not apply to the Machines that have been used commercially or in non-household applications. This Warranty does not cover cosmetic changes that do not affect performance. This Warranty is only valid if the Machine is used and maintained in accordance with the instructions, warnings and safeguards contained in the owner's manual. Snow Joe® + Sun Joe® will not be responsible for the cost of any unauthorized warranty repairs. 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.

Wearing parts like belts, augers, chains and tines are not covered under this warranty, and 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.

Repair, replacement or refund of the purchase price are the exclusive remedies of purchaser and the sole liability of Snow Joe® + Sun Joe® under this warranty. No employee or representative of Snow Joe® + Sun Joe® is authorized to make any additional warranty or any modification to this warranty which may be binding upon Snow Joe® + Sun Joe®. Accordingly, purchaser should not rely upon any additional statements made by any employee or representative of Snow Joe® + Sun Joe®. In no event, whether based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise, shall Snow Joe® + Sun Joe® be liable for any special, indirect, incidental, or consequential damages, including, without limitation, loss of profit or revenue.

Some states do not allow limits on warranties. In such states, the above limitations may not apply to you.

Outside the USA, other warranties may apply.



snowjoe.com

⚠️WARNING! This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

⚠️WARNING! This product or its power cord contains chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

⚠️WARNING! Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known [to the State of California] to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles.