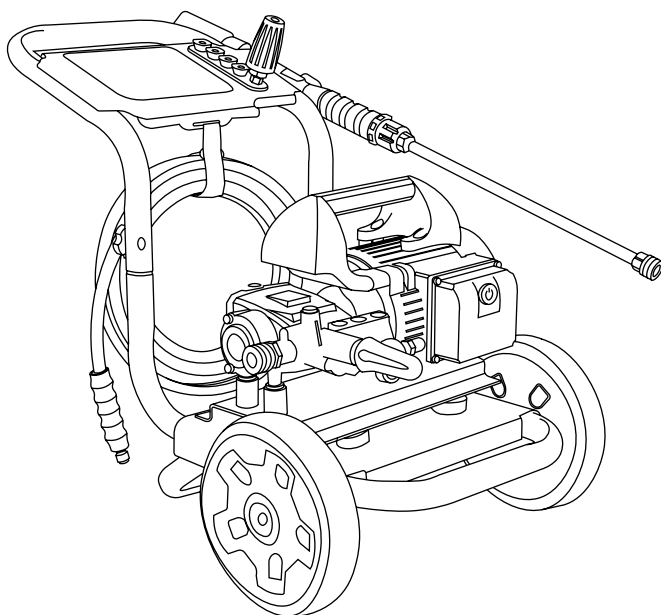




# PRESSURE WASHER

## USE AND CARE MANUAL

MODEL 61297



### **READ THIS MANUAL CAREFULLY BEFORE OPERATION**

Failure to follow the instructions and safety precautions in this manual can result in property damage, serious injury and/or death.

If your pressure washer is not working or if there are parts missing or broken, please **DO NOT RETURN IT TO THE PLACE OF PURCHASE**. Contact our Customer Service Department by calling **1-877-362-4271** or emailing **[cservice@fna-group.com](mailto:cservice@fna-group.com)**

### **SAVE THIS MANUAL FOR FUTURE REFERENCE**

**NOTE:** Photographs and line drawings used in this manual are for reference only and may not represent your specific model.

# NOTES

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**THIS PAGE WAS INTENTIONALLY LEFT BLANK**

## SAVE THIS MANUAL FOR FUTURE USE

Keep this manual for future reference. This manual should be considered a permanent part of the product and stay with it. This manual should be available to anyone operating the product(s) it covers. This manual should remain with the product(s) it covers if sold to a new owner. If the manual becomes damaged, lost, or otherwise unusable, you may download a new copy from the product pages at [www.simpsoncleaning.com](http://www.simpsoncleaning.com) or contact customer support by calling 1-877-362-4271.

Write down the model number, serial number, and purchase date of this product in the spaces provided below then keep this manual with the purchase receipt(s) for future reference.

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

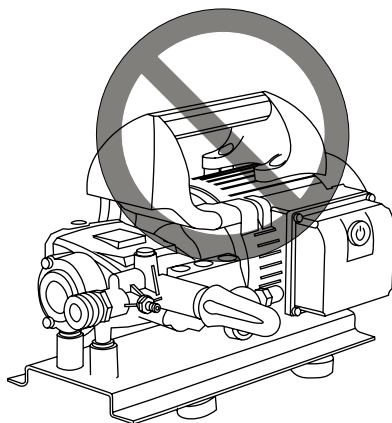
Purchase Date: \_\_\_\_\_



**CAUTION:**

### OPERATOR SAFETY

Lifting the pressure washer by the motor handle can result in damage to the machine and potential injury. To avoid damaging the pressure washer, be sure to lift the pressure washer by grasping the metal frame only.



## DISCLAIMERS

- All information in this publication was based on the latest product information available at the time of printing. The FNA Group reserves the right to update, change, and/ improve the product and this document at any time, without notice, and without incurring any obligation.
- This manual may cover more than one machine. The pictures and figures in the manual should be used for reference only. There may be differences between your product and the pictures, drawings, and diagrams in this manual.

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# SAFETY INSTRUCTIONS



## READ THIS MANUAL BEFORE OPERATING

This manual contains important safety information and instructions. **Do not** operate this product until you have read, and completely understand all safety, operation, and maintenance instructions listed in this manual. Failure to follow the information contained in this manual will result in property damage, injury, and/or death.

**NOTE:** The warnings and precautions discussed in this manual cannot cover all conditions and situations that may occur. The operator must understand awareness and caution are factors which cannot be built into this product and so must be exercised by the operator.



## ADDITIONAL INSTRUCTIONS

Along with this manual, be sure to read any additional instructions provided both on and with the product, attached equipment, accessories, and the unit powering the product. Pay careful attention to all additional safety rules and instructions on proper startup, operation, and shutdown procedures. Always use any recommended protective apparel that may be needed to operate the equipment safely.



## HAZARD ALERT SYMBOLS

Be sure to understand the safety symbols and definitions listed below. Each symbol contains one of four words: **DANGER**, **WARNING**, **CAUTION**, **NOTICE**, indicating different levels of hazard severity. These symbols are used throughout this manual and are followed by information about a specific hazard, the consequences of the hazard, and instructions on how to avoid the hazard. Failure to heed these symbols and follow the instructions provided with them will result in property damage, injury, and/or death.



**DANGER:**

Indicates an imminently dangerous situation, which if not avoided, will result in property damage, serious injury, and/or death.



**WARNING:**

Indicates a potentially hazardous situation, which if not avoided, could result in property damage, serious injury, and/or death.



**CAUTION:**

Indicates a hazardous situation, which if not avoided, could result in property damage and/or minor to moderate injury.

**NOTICE**

Indicates information considered important, but not directly hazard related.

## ⚠ CAUTION



## TRIPPING HAZARD

Hoses may pose a tripping hazard that can cause injuries resulting from a fall



## CAUTION:

## SLIP / TRIP HAZARDS

When pressure washing in public areas, signs should be posted that indicate to stay clear of the area as high-pressure washing is being performed. Also, signs should be posted that the surface may be slippery and trip hazards may be present.

Special consideration needs to be made to the safety of not just the operator of the pressure washer, but also people who may be adjacent to the area being cleaned. The best way to warn unsuspecting individuals is with signage and barriers.

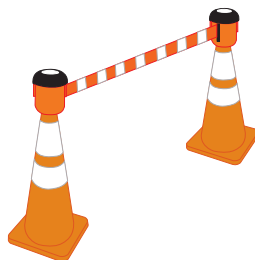
Barriers can be as simple as plastic traffic cones or barricades to using barrier belts around the area being cleaned. Remember, pressure washing can dislodge weak or broken pavement turning it into projectiles that may injure others. Keeping people clear of the area is the best way to avoid injury.

Wet pavement can be slippery to unsuspecting individuals causing injury from slips and falls. High-pressure and low-pressure hoses can be trip hazards. Segregating the area and placing appropriate signage can reduce injury.

### Sign examples



### Barrier examples





## **WARNING:**

### **OPERATOR SAFETY**

Failure to read and follow the operator's manual and all of its instructions before using the product could result in DEATH or SERIOUS INJURY. Read this manual carefully and become familiar with your electric pressure washer. Know its applications, its limitations and any hazards involved.



## **DANGER:**

### **ELECTROCUTION HAZARD**

Improper connection of the equipment grounding conductor can result in the risk of electrocution. Check with a qualified electrician if you are in doubt as to whether the receptacle is properly grounded. DO NOT modify the plug provided with this product. If it will not fit the receptacle, have a proper receptacle installed by a qualified electrician. DO NOT use any type of adapter with this product.



## **CAUTION:**

### **POWER SUPPLY**

This pressure washer shall only be used with a dedicated receptacle/plug rated 120vAC, 60 Hz at 15 -or- 20 amperes. Any other appliances on the circuit should be turned off or unplugged when using the pressure washer. Never use the pressure washer with an adapter that may lead to higher voltage or excessive current. Excessive current may trip circuit breaker. Consult a qualified electrician if unsure of the desired power supply receptacle's ability to safely power this pressure washer.

**IT IS NOT RECOMMENDED TO USE AN EXTENSION CORD.** If, however, an extension cord is required, it must be an **OUTDOOR RATED 3-PRONG CORD**, that is no longer than 50 feet (15M) and has a minimum of 14 AWG (2.5mm<sup>2</sup>) conductors. Always uncoil the extension cord when in use. **DO NOT** use an extension cord that has its ground pin damaged or missing.

## **NOTICE**

This appliance is not intended to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.



### **Ground Fault Circuit Interrupter Protection**

This pressure washer is provided with a ground fault circuit interrupter (GFCI) built into the plug of the power supply cord. This device provides additional protection from the risk of electric shock.

Should replacement of the plug or cord becomes necessary, use only identical replacement parts that include GFCI protection.

### **Grounding Instructions**

This pressure washer must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord that contains an equipment grounding conductor and a grounding plug. The plug must be connected to an appropriate receptacle that is properly installed and grounded in accordance with all local codes and ordinances.

### **Motor Overload**

The electric motor in this pressure washer is equipped with an thermal overload protection device. This device will automatically shut off the motor if the motor overheats or draws too excessive current. If the overload protection is tripped, turn the power off by turning the master ON/OFF switch to the OFF (0) position. Let the unit cool for thirty (30) minutes. After the unit has cooled, turn the master ON/OFF switch to the ON (I) position to resume operation.

### **Thermal Relief Valve**

When the temperature inside the pump rises to a predetermined setting, this valve will open allowing the hot water to exit and cool water to enter, cooling the pump. The value will then close.

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## **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

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It is important to understand what personal protective equipment (PPE) should be utilized when using your pressure washer. Below is a list of PPE items that should be utilized at all times when using the pressure washer.

Hearing - Ear plugs or muffs to protect your hearing.

Vision - Safety glasses or goggles to protect your eyes.

Clothing - Long pants to protected your legs from flying debris.

Shoes - Shoes that fully cover your feet to protect against debris and over spray.

# UNPACKING

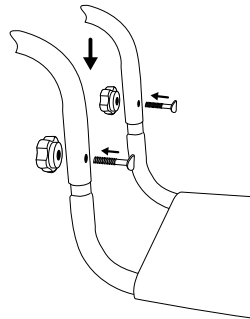
Follow the steps outlined in this section to unpack and assemble your pressure washer. If you have any questions regarding the unpacking or assembly of your pressure washer, please have your model number and serial number ready, then contact customer support at 1-877-362-4271 or email [cservice@fna-group.com](mailto:cservice@fna-group.com).

1. Place the shipping carton on a solid, flat surface.
2. Carefully cut the top of the carton open.
3. Carefully cut each corner of the carton from top to bottom.
4. Lay each side of the carton flat on the ground.
5. Remove everything from the carton.

## ASSEMBLY

### Install knob-style handle

Slide the handle onto the frame then secure it with the included knobs and bolts.

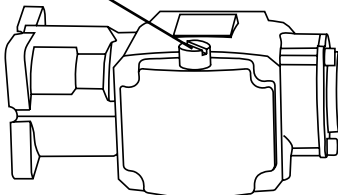


### Adding the pump breather cap (if applicable)

A RED shipping plug is in the pump that must be replaced with a BLACK breather cap. The cap is easy to replace with the following steps:

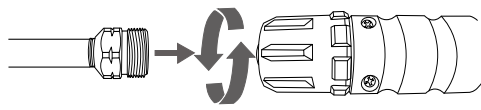
1. Using a bladed screw driver, remove the RED shipping plug from the top of the pump.
2. Hand thread the BLACK breather cap into the pump.
3. Snug the cap with your fingers.

RED shipping plug



BLACK breather cap

# Assemble the spray gun

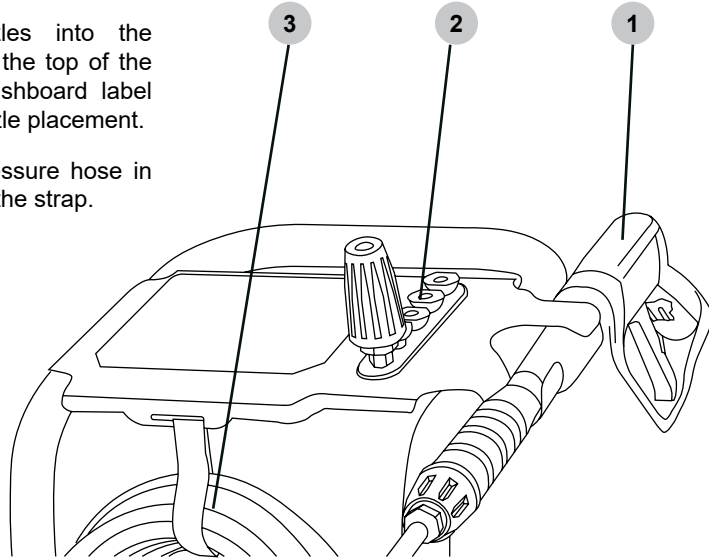


1. Secure the lance to the gun by carefully turning the coupler on the spray gun until the coupler stops rotating. Do not over tighten. Most of the threads on the lance will not be visible if the lance and gun are properly assembled. Be careful not to cross-thread the gun and lance.

**WARNING!** The threads on the lance and gun coupler can be easily cross threaded resulting in an improper assembly. An improper assembly of the gun and lance can result in personal injury. Do not use if the threads on the gun coupler and or lance are cross threaded.

## Organize accessories

- 1. Place the spray gun and lance assembly into the holder on the frame.
- 2. Push the nozzles into the rubber grommets on the top of the dashboard. Note: dashboard label indicates correct nozzle placement.
- 3. Hang the high-pressure hose in the hose strap; snug the strap.

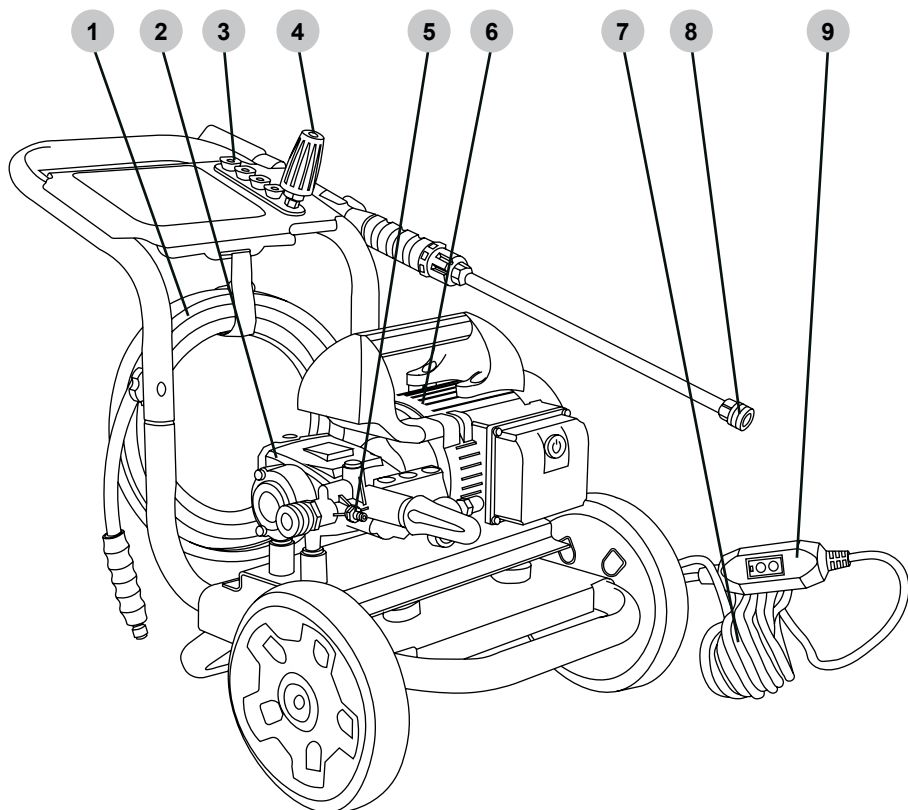


**! WARNING:**

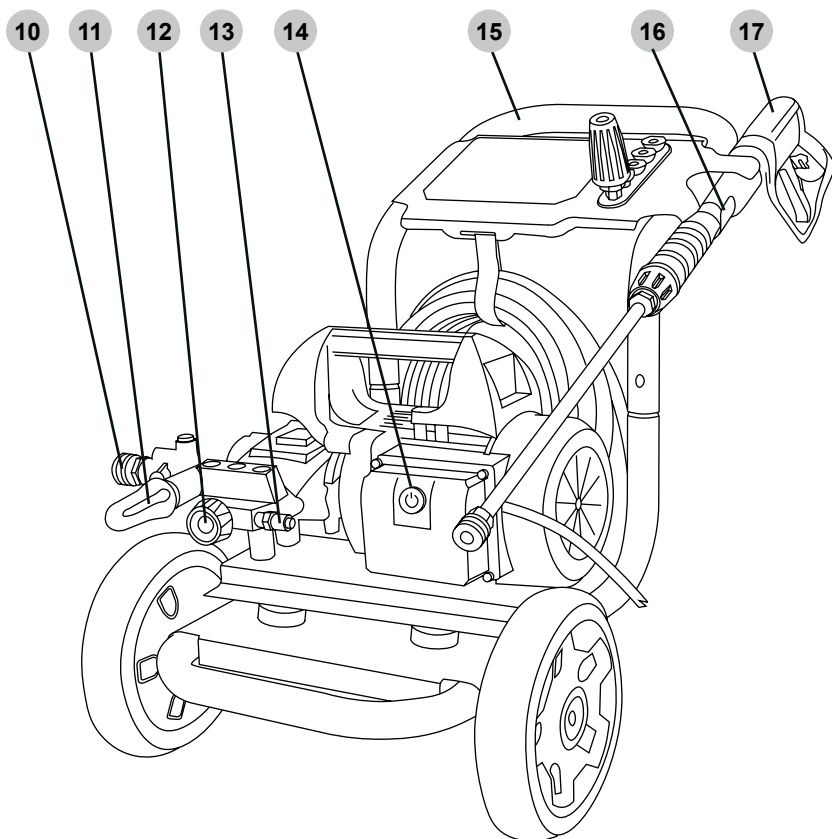
### OPERATING CHECKLIST

Attempting to start or use the pressure washer incorrectly can result in motor and/or pressure washer damage, and may cause serious injury or death. To avoid these hazards, be sure to read, understand, and follow the steps outlined in the OPERATING CHECKLIST section of the owner's manual before beginning, and follow all the guidelines for proper use of the pressure washer.

# COMPONENT LOCATION



1. High-pressure hose
2. Pump
3. Nozzles
4. Turbo nozzle
5. Detergent injection connector
6. Electric motor
7. Power supply cord
8. Spray wand quick connector
9. Ground Fault Circuit Interrupter (GFCI)



- 10. High-pressure pump outlet
- 11. Unloader control knob
- 12. Low-pressure pump inlet
- 13. Thermal relief valve
- 14. ON/OFF switch
- 15. Handle
- 16. Spray gun holder
- 17. Spray gun

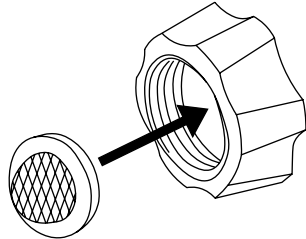
# CONNECTING HOSES

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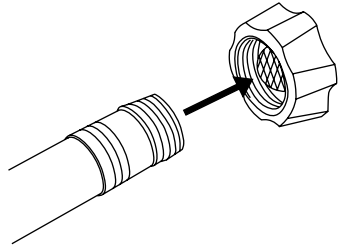
Before connecting a water supply hose, be sure the water supply is capable of providing an uninterrupted source of clean, cold water at a minimum rate of 5 gallons per minute (GPM) and 20 pounds per square inch (PSI) of pressure. Once a proper water supply is secured, follow the instructions below to connect both the water supply and high-pressure hoses to the pressure washer.

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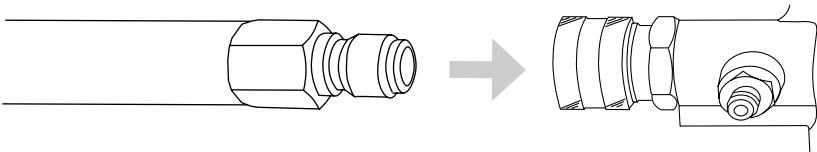
1. Verify the inlet screen is free of any dirt or debris and is in place with the convex side facing out.



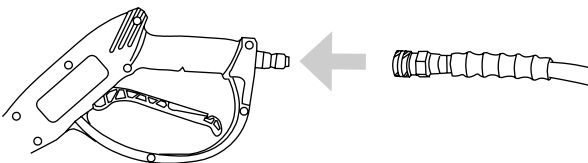
2. Turn on the water supply and run for 30 seconds to purge any debris from the supply hose. Then, turn off the water supply and thread the water supply hose into the pump inlet.



3. While pulling back on the pump outlet collar, insert the hose connector then release the collar. Gently tug on the hose to make sure it is locked.



4. While pulling back on the hose outlet collar, insert the gun connector then release the collar. Gently tug on the hose to make sure it is locked.



# PURGING AIR FROM THE PUMP



## **NOTICE**

### **PUMP PURGING**

Running a pressure washer pump without water will severely damage the pump seals and other internal components. To avoid this hazard, make sure your water supply is uninterrupted and at least 5 GPM at 20 PSI, and always purge the air your pressure washer pump before starting the engine.



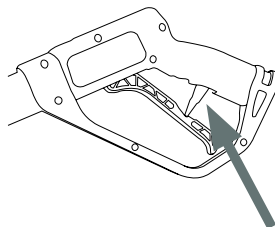
## **WARNING:**

### **INJECTION INJURY**

The high pressures created by a pressure washer can cause fluid injection injuries, severe lacerations, amputations, and / or death. To avoid these hazards, always aim the spray gun and lance in a safe direction when using the pressure washer and never attempt to touch a leak in a high-pressure hose or fitting.

A pressure washer pump is designed to operate with water flowing through it. Water lubricates and cools the internal components of the pump. Running a pressure washer pump without water will severely damage the pump seals and other internal components. Damage caused by running a pressure washer pump without water is not covered under warranty. Be sure to follow the instructions below to correctly purge the air from your pressure washer pump before starting the engine.

1. Connect all the hoses by following the steps outlined in the **CONNECTING HOSES** section of this manual then turn on the cold water source.
2. Aim the spray gun in a safe direction then squeeze and hold the trigger for at least 30 seconds or until the water runs steady and all the air is purged from the pump and hoses.
3. Check hoses and connections for leaks. If leaks are found, turn off the machine, aim the spray gun in a safe direction and squeeze the trigger to relieve any built up pressure in the system. Never attempt to touch a leak in a high-pressure hose or fitting. Never attempt to repair a high-pressure hose.
4. Engage the trigger lock.



# NOZZLES

## Nozzle Selection

The nozzles supplied with the pressure washer have specific spray patterns designed to clean different surfaces. Using the incorrect nozzle can damage surfaces. Refer to the table below to select the correct nozzle before using the pressure washer. **NOTE:** The selection of nozzles included may vary with pressure washer models.

Color	5-N-1 (if equipped)	Spray Pattern	Uses	Surfaces
Red	0° HIGH PRESSURE	0°	Spot cleaning hard, unpainted surfaces and high-reach areas	Unpainted metal and concrete  DO NOT use on wood.
Yellow	15° HIGH PRESSURE	15°	Intense cleaning of unpainted surfaces	Grills, driveways, concrete and brick walkways, unpainted brick and stucco
Green	25° HIGH PRESSURE	25°	Standard cleaning nozzle for most applications	Yard tools, sidewalks, lawn furniture, unpainted siding, stucco, gutters, eaves, concrete, and brick surfaces
White	40° HIGH PRESSURE	40°	Cleaning painted or delicate surfaces	Auto, truck, RV, marine, wood, painted brick, painted stucco, vinyl, and painted siding
Black	SOAP LOW PRESSURE	Soap	Applies cleaning solutions	Safe on all surfaces. Always verify compatibility of cleaning solution(s) prior to use.



## NOTICE

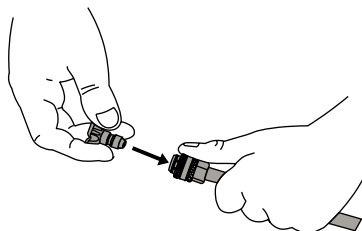
### SPRAY DAMAGE

High-pressure spray can damage plants and other surfaces. To avoid causing damage, cover plants before spraying near them, refer to the Nozzle Selection table in this manual for correct nozzle selection, and test surfaces before spraying to make sure they are strong enough to withstand high-pressure spray.

## Nozzle Installation

Make sure the trigger lock is in the locked position before removing and installing nozzles.

To place a nozzle into the spray wand, pull the quick-connect coupler back, insert the nozzle, then release the coupler allowing it to snap back in place. Once installed, pull on the nozzle to make sure it secure.





# OPERATING CHECKLIST

## Location

**IT IS NOT RECOMMENDED TO USE AN EXTENSION CORD.** If, however, an extension cord is required, it must be an **OUTDOOR RATED 3-PRONG CORD**, that is no longer than 50 feet (15M) and has a minimum of 14 AWG (2.5mm<sup>2</sup>) conductors. Always uncoil the extension cord when in use. **DO NOT** use an extension cord that has its ground pin damaged or missing.

## Operating Conditions

Before each use, check for loose or damaged parts, leaks, and/or any other condition that may affect proper operation. Repair or replace all damaged and/or defective parts immediately. Always keep all safety guards in place and in proper working order. For safety reasons, the manufacturer recommends all maintenance and repairs be performed by an authorized service center.

Before using the pressure washer, remove any excessive dirt and debris from the cooling vents of the motor. Always operate the pressure washer on a level surface and never move or tip the pressure washer while operating. Use the pressure washer only for its intended purpose. If you have questions about the proper use of your pressure washer, please contact customer support at 1-877-362-4271 or [cservice@fna-group.com](mailto:cservice@fna-group.com).



### UNTRAINED OPERATION

Untrained persons, young children, and pets can be seriously injured or killed if allowed to incorrectly operate or play with running pressure washer. To avoid these hazards, be sure anyone operating the pressure washer receives proper instructions, understands safe operation, and has read the owner's manual before operating this product. Do not let children operate the pressure washer without parental supervision. Keep young children and pets away from the pressure washer while it is running. Always turn off the pressure washer before leaving the area.



### INSPECT BEFORE OPERATING

Failure to inspect this product before use could create a hazardous situation resulting in product damage, serious injury, and/or death. To avoid these hazards, inspect the pressure washer before each use. Check for loose or damaged parts, signs of oil leaks, missing guards, plugged cooling vents, or any other condition that may affect proper operation. Repair or replace all damaged or defective parts and keep all safety guards in place and in proper working order before using the pressure washer.



## WARNING:

### INJECTION INJURY

The high pressures created by a pressure washer can cause fluid injection injuries, severe lacerations, amputations, and / or death. To avoid these hazards, always aim the spray gun and lance in a safe direction when using the pressure washer and never attempt to touch a leak in a high-pressure hose or fitting.



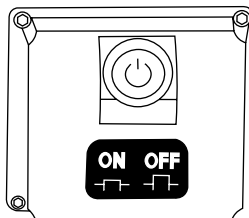
## WARNING:

### MOVING PARTS

This product has many parts that move at high speeds. Moving parts can cause crushing injuries, broken bones, severe lacerations, and/or traumatic amputations. To prevent injury, never place fingers, hands, feet, or other body parts near running engine. Never operate product with covers, shrouds, or other guards removed. Do not wear loose-fitting clothing, dangling drawstrings, or any other hanging items that could become entangled in moving parts while operating. Tie up long hair and remove jewelry before operating.

# STARTING THE PRESSURE WASHER

1. Connect the hoses as instructed on Page 11.
2. Turn on the water and purge the system of air as instructed on Page 12.
3. Insert the desired nozzle as instructed on Page 13.
4. Make sure the master ON/OFF switch is in the OFF (0) position.



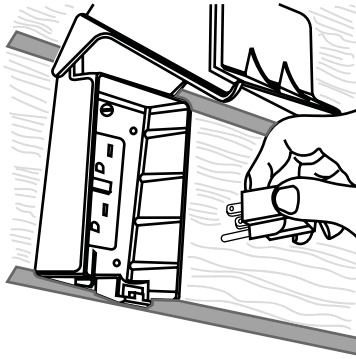
## CAUTION:

### POWER SUPPLY

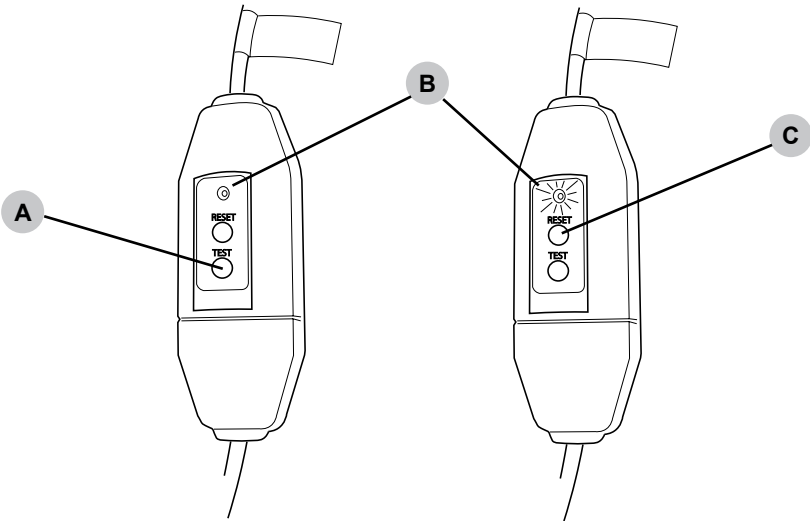
This pressure washer shall only be used with a dedicated receptacle/plug rated 120vAC, 60 Hz at 15 -or- 20 amperes. Any other appliances on the circuit should be turned off or unplugged when using the pressure washer. Never use the pressure washer with an adapter that may lead to higher voltage or excessive current. Excessive current may trip circuit breaker. Consult a qualified electrician if unsure of the desired power supply receptacle's ability to safely power this pressure washer.

**IT IS NOT RECOMMENDED TO USE AN EXTENSION CORD.** If, however, an extension cord is required, it must be an **OUTDOOR RATED 3-PRONG CORD**, that is no longer than 50 feet (15M) and has a minimum of 14 AWG (2.5mm<sup>2</sup>) conductors. Always uncoil the extension cord when in use. **DO NOT** use an extension cord that has its ground pin damaged or missing.

5. Plug the electrical power cord into a grounded receptacle rated for 120 volts AC at 15 or 20 amperes that was properly installed in accordance with all local codes and ordinances. The indicator light on the GFCI should be illuminated (ON).



6. Press the TEST button (A). The indicator light (B) should now be dark (OFF).



7. Press the RESET button (C). The indicator light (B) will now be illuminated (ON).

**NOTICE** - DO NOT use the pressure washer if the above test fails.

8. Press the master ON/OFF button on the pressure washer to the ON (I) position.
9. Point the gun in a safe direction, open the trigger lock and squeeze the trigger. The electric pressure washer motor will start as the spray gun trigger is depressed and will continue to run even when released.

# SHUTTING OFF THE PRESSURE WASHER

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## **NOTICE**

### **PUMP DAMAGE**

Turning off the water supply to your pump with the motor running will damage the pump. Damage caused by running the pump without water is not covered under warranty. To avoid this hazard always turn off the motor before shutting off the water supply.

1. Set the trigger lock on the spray gun.
2. Press the master ON/OFF button on the pressure washer to the OFF (0) position.
3. Turn off the water supply.
4. Release the trigger lock then squeeze the spray gun trigger to relieve the pressure in the hose and pump.
5. Allow the pressure washer to cool completely before handling and storage.

# USING CHEMICALS

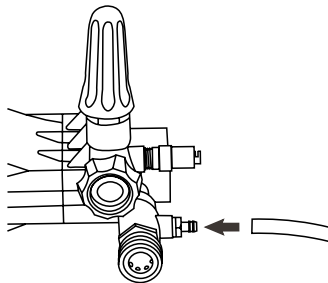


## NOTICE

### VOLATILE LIQUIDS

Pressure washing with volatile, flammable, or corrosive liquids could cause pressure washer damage, fire, or explosion resulting in severe injury and/or death. To avoid these hazards, use only approved soaps and chemicals, do not attempt to pressure wash with volatile, flammable, or corrosive liquids, and NEVER use bleach.

1. Attach the open end of the soap hose to the barbed fitting on the pump.

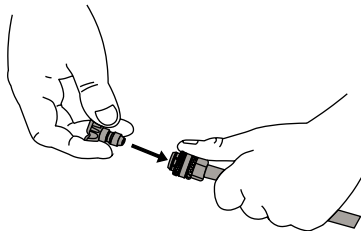


2. Place the filtered end of the soap hose into a container of soap.



3. Make sure the trigger lock is in the locked position before removing and installing nozzles.

4. Insert the black nozzle into the spray wand per the Nozzle Installation section of this manual. **NOTE:** Soaps will not siphon if the black soap nozzle is not installed on the spray wand.



5. After using soap, place the filtered end of the soap hose into a container of clean water and run pressure washer drawing clean water through the hose and pump until the system is thoroughly rinsed. If soap or other chemicals remain in the pump, the pump could be damaged. Pump damage from soap or chemical residue is not covered under warranty.

# OPERATION TIPS

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## Terms

- PSI - Pounds per square inch (PSI) is the unit to measure the pressure of water. In relation to a pressure washer, the higher the PSI number, the greater the pressure and stripping power produced.
- GPM - Gallons per minute (GPM) is the flow rate of water. In relation to a pressure washer, the greater the GPM, the greater the flow or rinsing power produced.
- CU - Cleaning units express the efficiency of the pressure washer. Cleaning units are calculated by multiply the PSI by the GPM. The higher the CU, the more efficient the pressure washer.

## Preparation

- Read all warning and instructions in this and all manuals that came with the pressure washer.
- Remove all toys, bikes, lawn furniture, etc. from the work area if they are not to be cleaned.
- Sweep any loose dirt and debris from the surface you will be pressure washing.
- Cover nearby plants to avoid damaging them with the pressure washer spray.
- Use caution when spraying windows. Always use the white, 40° nozzle and stay at least 4 feet away.
- Lay tarps down to collect paint chips and other debris blown off by the spray. Exterior paints used before 1977 may contain lead and will produce chips that will need to be collected and disposed of at a hazardous waste facility.

## Pressure Washing

- A wider spray equals faster cleaning, while a tighter spray equals deeper cleaning.
- Keep the nozzle about 4 feet away from siding to avoid damage.
- Start washing siding at the bottom and work your way up, then rinse from the top down.
- Avoid driving water up behind siding.
- Use overlapping strokes for even cleaning.
- Work in small areas to keep the soap from drying.
- Do not aim the nozzle straight at the surface. Hold the wand at a 45° angle to the surface at a distance that cleans well without causing damage.

## Adjusting Pressure

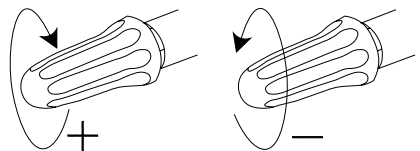
The pressure setting is preset at the factory to achieve optimum pressure and cleaning. If you should need to lower the pressure, it can be accomplished by the following methods.

- Back away from the surface to be cleaned. The further you position the nozzle from the surface to be cleaned, the lower the pressure to reach the surface.
- Change to the white, 40° nozzle. This nozzle produces a lower pressure, wider width spray.

Your unit may be equipped with an additional feature that allows you to adjust the pressure.

To lower the pressure, turn the knob counter-clockwise to the desired pressure.

To return the pressure to the factory setting, turn the knob clockwise until it stops.



**NOTE:** Do not overtighten the pressure control knob. If overtightened, the knob COULD break causing immediate loss of pressure and costly repairs not covered by the warranty.

# TROUBLE SHOOTING

Issue	Possible Cause	Solution
Pressure washer will not start or circuit breaker trips.	The power supply cord is not connected.	Plug the cord into a 120 volt, 15 ampere receptacle.
	The house circuit breaker is tripped.	Reset the circuit breaker.
	The GFCI equipped receptacle (if applicable) is tripped.	Reset the GFCI by pushing the RESET button.
	The GFCI in the power supply cord is tripped.	Reset the GFCI by pushing the RESET button.
	The master ON/OFF switch is in the OFF position.	Move the switch to the ON position.
	The thermal switch within the electric motor has tripped due to overheating.	Turn the master ON/OFF switch to the OFF position. Allow the unit to cool for 30 minutes before trying the pressure washer once again.
	The pressure washer is connected to a receptacle/plug that is shared by other devices within the circuit.	Remove all other devices from the circuit.
	The pressure washer is connected to a circuit using an extension cord.	Remove the extension cord. Plug the power cord from the pressure washer directly into a 120 volt, 15 ampere receptacle. See POWER SUPPLY, page 5.
The pressure washer creates low or no water spray pressure.	There is air in the hoses and/or pump.	Refer to the PRIMING THE PUMP section of this manual to remove air from pump and hoses.
	The water supply is insufficient.	Make sure the water supply pressure is at least 5 gpm @ 20 PSI.
	The nozzle is clogged.	Clean nozzle per the MAINTENANCE section of this manual.
	The water inlet screen is clogged.	Clean the water inlet screen per the MAINTENANCE section of this manual.

Issue	Possible Cause	Solution
Detergent fails to mix with the spray.	Transparent tube is clogged or cracked.	Clean or replace the transparent tube.
	Transparent tube is not attached to the pump.	Attach the transparent tube to the detergent connector on the pump.
	Incorrect nozzle used.	Install the black soap nozzle on the wand.
	Detergent too thick.	Add water to the detergent to make it the consistency of water.



# MAINTENANCE

For safety reasons, the manufacturer recommends all pressure washer service and repairs be performed by an authorized service center. All warranty replacements or repairs must be performed by an authorized distribution or service center. To find an authorized service center near you, make a warranty claim, or get authorized warranty repair, call 1-877-362-4271 or email [cservice@fna-group.com](mailto:cservice@fna-group.com).

It is the responsibility of the owner and/or operator to have all scheduled maintenance completed before operating the pressure washer. Be sure to follow the inspection and maintenance recommendations as listed in all the manuals that came with this unit.

## Maintenance

Before each use, check pressure washer for leaks, loose or damaged parts, and any other condition that may affect proper operation. Be sure all safety guards are in place and in proper working order. Inspect all air vents and cooling slots to ensure they are clean and unobstructed. Repair or replace all damaged or defective parts immediately. For safety reasons, the manufacturer recommends all pressure washer service and repairs be performed by an authorized service center.

## Cleaning the Pressure Washer

Always clean the pressure washer with the engine off and cool. To clean the pressure washer, first use an air compressor set at no more than 25 PSI to clear dirt and debris from the pressure washer surfaces, vents, and cooling slots. Then, wipe the exterior clean with a damp cloth.



### **NOTICE**

#### **CLEANING**

Water can damage the pressure washer engine components if allowed to enter through cooling slots or other holes. Damage caused by water intrusion is not covered under warranty. To avoid engine water damage, do not use a pressure washer, garden hose, or any other sources of running water to clean the pressure washer engine, and never submerge the pressure washer engine in any liquids.



### **NOTICE**

#### **CHEMICAL CLEANERS**

Using chemical cleaners and/or corrosive liquids can damage the pressure washer seals and internal components. Damage caused by chemical cleaners and corrosive liquids is not covered under warranty. To avoid these hazard, only use approved cleaning chemicals, never use bleach, and always run clean water through the pressure washer after using cleaning chemicals.

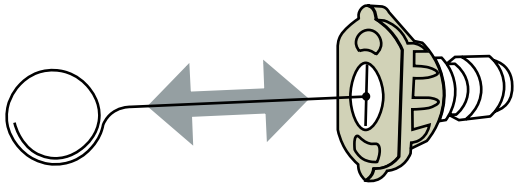
## Connections

Hose, spray gun, and pump connections should be cleaned and lubricated with a thin film of lithium grease regularly to prevent o-ring damage and leaks.

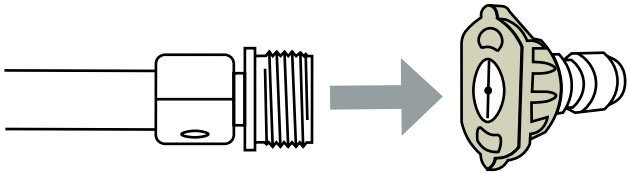
# Nozzle Cleaning

If a nozzle becomes clogged, the pump may pulsate and spray patterns could change. If the nozzle is not cleaned, excessive pressure may develop possibly damaging the pump, or other accessories. Inspect nozzles before using them and follow the instructions in this section for the proper nozzle cleaning procedure.

1. Shut off the pressure washer.
2. Turn off the water supply.
3. Point the Spray gun in a safe direction and squeeze the trigger to relieve water pressure.
4. Set the trigger lock.
5. Remove the nozzle from the lance quick connector.
6. Clear any obstructions from the nozzle by inserting the nozzle cleaning tool provided.



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7. Rinse any loose debris from the nozzle by directing a running garden hose into the output of the nozzle for at least 30 seconds.

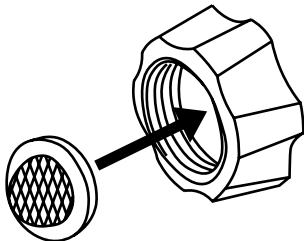


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# Water Inlet Filter

Before each use, check the inlet filter and clean by following the steps below. Never operate the pressure washer without the inlet filter properly installed.

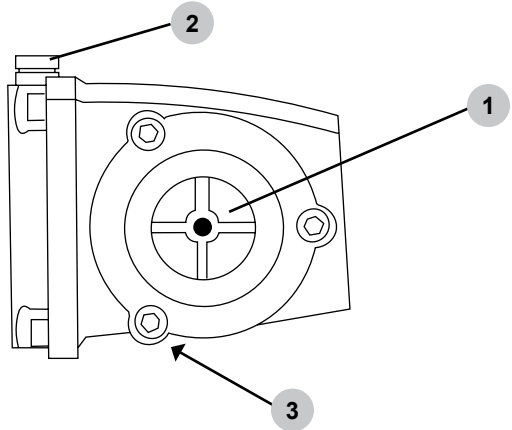
1. Remove the filter from the garden hose coupler.
2. Use a water from a running garden hose to clean both sides of the filter.
3. Insert the cleaned filter into the pump inlet with the convex side facing out.



## Pump Maintenance

**Note:** The pump was filled with oil at the factory. The preferred oil is SIMPSON® Premium Pump Crankcase Oil. If this oil is not available, an SAE 15W-40 oil may be used. Change the oil after the first 50 hours of operation and every 100 hours thereafter or every 3 months.

1. Oil sight glass
2. Oil fill plug / vent cap
3. Oil drain plug (not shown)



### How to change the pump oil

1. Loosen the pump oil fill plug.
2. Place a container under the oil drain plug.
3. Remove the oil drain plug.
4. After the oil has drained, insert the oil drain plug; tighten securely.
5. For AAA® pumps, refill with SIMPSON® Premium Pump Crankcase Oil. If this oil is not available, an SAE 15W-40 oil may be used.  
For CAT Pumps®\*\*\*, refill using a non-detergent hydraulic oil (ISO68).
6. Make sure the oil level meets but does not exceed the dot in the center of the sightglass.
7. Insert the oil fill plug; tighten securely.

\*\*\* CAT Pumps® is a registered trademark of Diversified Dynamics Corporation.

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## STORING THE PRESSURE WASHER

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1. Disconnect the high-pressure hose from the pump and the gun.
2. Hold the gun in a vertical plane and squeeze the trigger to remove trapped water.
3. Remove trapped water from the high-pressure hose; coil for storage.
4. Protect the pump by using SIMPSON® Pump Guard per the USING PUMP GUARD section of this manual.
5. Store the pressure washer and its accessories in a cool, dry location out of direct sunlight.

# USING SIMPSON® PUMP GUARD



## **NOTICE**

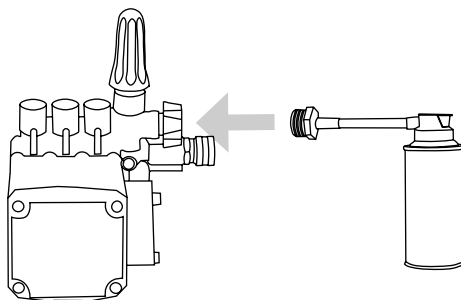
### **PUMP DAMAGE**

Leaving water inside the pump during freezing weather will cause severe damage to the pump. To avoid costly damage, always treat the pump with SIMPSON® Pump Guard to remove the trapped water and to fill the pump with a lubricating, antifreeze solution.

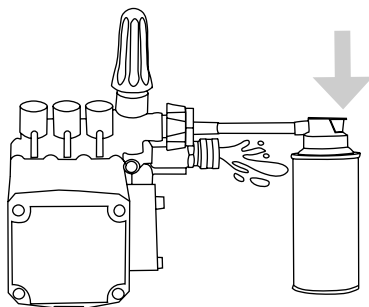
SIMPSON® Pump Guard (purchase separately) is formulated to protect your pump during long-term storage and from freezing damage. Pump Guard should be used throughout the season to keep the seals pliable and well lubricated. Before storing the unit for winter or for when there is a chance of freezing weather, use pump guard to remove all traces of water from the internal cavities while filling them with an antifreeze solution. Pump Guard is insurance for your investment, use it.

Simply use Pump Guard by following these easy steps:

1. Screw the Pump Guard adapter into the garden hose input on the pump.



2. Press and hold down on the button until all the water and the Pump Guard starts to come out of the high pressure port.



3. Unscrew the Pump Guard from the pump then prepare the pressure washer for storage as outlined in STORAGE AND TRANSPORTATION.

# LIMITED WARRANTY

## Consumer Products

### WARRANTY COVERAGE TERMS:

The manufacturer of this product agrees to repair or replace designated parts that prove defective within the warranty period listed below at the manufacturers sole discretion. Specific limitations/extensions and exclusions apply.

This warranty covers defects in material and workmanship and not parts failure due to normal wear, depreciation, abuse, accidental damage, negligence, improper use, maintenance, water quality and storage. To make a claim under the terms of the warranty, all parts said to be defective must be retained and available for return upon request to a designated Warranty Service Center for warranty inspection. The judgments and decisions of the manufacturer concerning warranty claims are final.

These warranties pass through to the end user and are non-transferable. As a factory authorized and trained Warranty Service Center, the factory will honor the terms of all component warranties and satisfy claims of the appropriate warranty provisions.

Normal wear items included, but are not limited to, items such as valve and seals, which are not covered by this warranty.

This warranty replaces all warranties, express or implied, including without limitation any warranties of merchantability or fitness for a particular purpose and all such warranties are hereby disclaimed and excluded by the manufacturer. The manufacturer's warranty obligation is limited to repair and replacement of defective products as provided herein and the manufacturer shall not be liable for any further loss, damages, or expenses - including damages from shipping, accident, abuse, acts of God, mis-use, or neglect. Neither is damage from repairs using parts not purchased from the manufacturer or alterations performed by non-factory authorized personnel. Failure to install and operate equipment according to the guidelines put forth in the instruction manual shall void warranty.

### THIS WARRANTY DOES NOT COVER:

Merchandise sold as reconditioned, used as rental equipment, used for commercial or commercial applications, and units used as floor or display models, damage resulting from shipping (claims must be filed with freighter), accident, abuse, acts of God, misuse or neglect. This warranty also does not cover damage from repairs or alterations performed by non-factory authorized personnel or failure to install and operate equipment according to the guidelines put forth in the instruction manual. The manufacturer will not be liable to any persons for consequential damage, for personal injury or for commercial loss.

### RESPONSIBILITY OF ORIGINAL PURCHASER (INITIAL USER):

To process a warranty claim on your SIMPSON® pressure washer, report the concern to 1-877-362-4271 or [cservice@fna-group.com](mailto:cservice@fna-group.com) for authorization and direction to the nearest authorized service center in your area.

Retain original cash register receipt as proof of purchase for warranty work.

Use reasonable care in the operation and maintenance of the product as described in the Owner's Manual.

### WHAT THIS WARRANTY DOES NOT COVER:

- Freight damage
- Damage due to chemical deterioration, scale build up, rust, corrosion or thermal expansion
- Freeze damage
- Damage caused by parts or accessories not obtained from an authorized dealer or not approved by the manufacturer
- Normal wear of moving parts or components affected by moving parts

### WARRANTY COVERAGE PERIODS:

#### ELECTRIC MOTOR

- THREE (3) years from date of purchase

#### HIGH PRESSURE PUMP (DEFECTS IN MATERIAL AND WORKMANSHIP)

- FIVE (5) years from date of purchase

#### FRAME (DEFECTS IN MATERIAL AND WORKMANSHIP)

- FIVE (5) years from date of purchase

#### ACCESSORIES (DEFECTS IN MATERIAL AND WORKMANSHIP)

- Nozzles, hoses, spray guns, wands, tires, rubber feet: Ninety (90) days from date of purchase

# NOTES

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**READ THIS MANUAL CAREFULLY BEFORE OPERATION**

Failure to follow the instructions and safety precautions in this manual can result in property damage, serious injury and/or death.

**SAVE THIS MANUAL FOR FUTURE REFERENCE**