

Instruction manual

ESPAÑOL: PÁGINA 21
FRANÇAIS: PAGE 41

Electric 1700 PSI 1.7 GPM Pressure Washer



PCE1700

IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

To learn more about Porter-Cable
visit our website at:

<http://www.porter-cable.com>

PORTER-CABLE

The Model and Serial No. plate is located on the frame. Record these numbers in the spaces below and retain for future reference.

Model No. _____

Type _____

Serial No. _____

GENERAL INFORMATION

- Congratulations! You have purchased a high quality product from America's leading manufacturer of pressure washers. This pressure washer, when properly used and maintained, will provide trouble free service. Please read and follow these instructions for proper use and maintenance.
- All sales of pressure washers are final. **Do not return this product to the retailer. Call 1-888-559-8550.**
- If you experience any problems and need assistance, please call us at our toll free number **1-888-559-8550, Monday through Saturday, 8:00 a.m. To 6:00 p.m. C.S.T.**
- If repair or service part purchase is required, our many Authorized Warranty Service Centers are conveniently located and equipped to handle all in-warranty and out-of-warranty service.
- For the location of the nearest Authorized Warranty Service Center call 1-888-559-8550, Ext. 2, 24 hours a day, 7 days a week.
- All pressure washers carry a manufacturer's one year warranty from date of purchase for consumer use and a 90 day warranty for commercial use.
- Retain sales receipt as proof of purchase for warranty service.
- Do not operate this unit until you have read and understood this Owners Manual for Safety, Operation, and Maintenance Instructions.

⚠ WARNING Read Operator's Manual. Do not operate equipment until you have read Operator's Manual for **Safety, Assembly, Operation, and Maintenance Instructions.**

SAFETY GUIDELINES / DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols to the right. Please read the manual and pay attention to these sections.

⚠ DANGER

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

⚠ WARNING

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

⚠ CAUTION





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





CAUTION

used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING Improper operation or maintenance of this product could result in serious injury and property damage. **Read and understand all warnings and operating instructions before using. Follow maintenance instructions specified in this manual.**

HAZARD	WHAT CAN HAPPEN	HOW TO PREVENT IT
<p>⚠ WARNING</p> <p>RISK OF ELECTRICAL SHOCK</p> 	<ul style="list-style-type: none"> Water spray directed at electrical outlets or switches, or objects connected to an electrical circuit, could result in a fatal electrical shock. This product is powered by electricity. It contains and sprays water and other conductive liquids. Improper operation could result in electrocution. The Ground Fault Circuit Interrupter (GFI) will not function properly unless connected to a fully grounded electrical circuit! Extension cords can lead to electrical shock. 	<ul style="list-style-type: none"> Unplug any electrically operated product before attempting to clean it. Direct spray away from electric outlets and switches. Always connect cordset to a properly grounded and polarized electrical circuit. Your cordset is equipped with a Ground Fault Circuit Interrupter (GFCI) for your personal protection. If damaged, the entire cordset assembly must be replaced by an authorized service center. Refer to Grounding Instructions. Do not use with extension cords.
<p>⚠ DANGER</p> <p>RISK OF EXPLOSION OR FIRE</p> 	<p>Use of acids, unapproved chemicals, or flammable solvents with this product could cause injury or death.</p> <p>Restricting any of the pressure washer ventilation openings will cause serious overheating and could cause fire.</p>	<p>Do not use acids, gasoline, kerosene, or any other flammable materials in this product. Use only household detergents, cleaners, and degreasers recommended for use in Pressure Washer. Work in a well ventilated area.</p> <p>Never place objects against or on top of pressure washer. Operate pressure washer in an open area at least 12 inches away from any wall or obstruction that would restrict the flow of fresh air to the ventilation openings.</p>
<p>⚠ DANGER</p> <p>RISK TO BREATHING</p> 	<ul style="list-style-type: none"> Some cleaning fluids contain substances which could cause injury to skin, eyes, or lungs. 	<ul style="list-style-type: none"> Use only cleaning fluids specifically recommended for high pressure washers. Follow manufacturers recommendations. Do not use chlorine bleach or any other corrosive compound.
<p>⚠ WARNING</p> <p>RISK TO FLUID INJECTION</p> 	<ul style="list-style-type: none"> Your washer operates at fluid pressures and velocities high enough to penetrate human and animal flesh, which could result in amputation or other serious injury. Leaks caused by loose fittings or worn or damaged hoses can result in injection injuries. DO NOT TREAT FLUID INJECTION AS A SIMPLE CUT! See a physician immediately! Injuries can result if system pressure is not reduced before attempting maintenance or disassembly. 	<ul style="list-style-type: none"> Never place hands in front of nozzle. Do not direct discharge stream at persons or animals. Make sure hose and fittings are tightened and in good condition. Never hold onto the hose or fittings during operation. Do not operate pressure washer with worn or a braided hose. Never attach or remove wand or hose fittings while system is pressurized. To relieve system pressure, place on/off switch in off position, turn off water supply, and pull gun trigger until water stops flowing. Use only hose and high pressure accessories rated for pressure higher than your pressure washer's p.s.i.

HAZARD	WHAT CAN HAPPEN	HOW TO PREVENT IT
<p>⚠ WARNING RISK OF CHEMICAL BURN</p> 	<ul style="list-style-type: none"> • Use of acids, toxic or corrosive chemicals, poisons, insecticides, or any kind of flammable solvent with this product could result in serious injury or death. 	<ul style="list-style-type: none"> • Do not use acids, gasoline, kerosene, or any other flammable materials in this product. Use only household detergents, cleaners and degreasers recommended for use in pressure washers. • Wear protective clothing to protect eyes and skin from contact with sprayed materials.
<p>⚠ WARNING RISK OF UNSAFE OPERATION</p> 	<ul style="list-style-type: none"> • Unsafe operation of your pressure washer could lead to serious injury or death to you or others. • Pressure washer pump contains exposed moving parts. Contact with moving parts can cause serious injury. • The spray gun/wand is a powerful cleaning tool that could look like a toy to a child. • Reactive force of spray will cause gun/wand to move, and could cause the operator to slip or fall, or misdirect the spray. Improper control of gun/wand can result in injuries to self and others. 	<ul style="list-style-type: none"> • Do not use chlorine bleach or any other corrosive compound. • Become familiar with the operation and controls of the pressure washer. • Keep operating area clear of all persons, pets, and obstacles. • Do not operate the product when fatigued or under the influence of alcohol or drugs. Stay alert at all times. • Never defeat the safety features of this product. • Never leave wand unattended while unit is running. • Know how to stop product and bleed pressure quickly. • Never operate machine with pump guard removed. • Do not operate machine with missing, broken, or unauthorized parts. • Keep children away from the pressure washer at all times. • Do not overreach or stand on an unstable support. Grip gun/wand firmly with both hands. Expect the gun to kick when triggered.
<p>⚠ WARNING RISK OF HOT SURFACES</p> 	<ul style="list-style-type: none"> • Contact with hot surfaces could result in serious burn. 	<ul style="list-style-type: none"> • During operation, touch only the control surfaces of the pressure washer. Keep children away from the pressure washer at all times. They may not be able to recognize the hazards of this product.
<p>⚠ WARNING RISK OF INJURY FROM SPRAY</p> 	<ul style="list-style-type: none"> • High velocity fluid spray can cause objects to break, propelling particles at high speed. • Light or unsecured objects can become hazardous projectiles. 	<ul style="list-style-type: none"> • Always wear ANSI approved Z87 safety glasses. Wear protective clothing to protect against accidental spraying. • Never point wand at, or spray people or animals. • Always secure trigger lock when wand is not in service to prevent accidental operation. • Never permanently secure trigger in pull back (open) position.

⚠ CAUTION

The powerful spray from your pressure washer is capable of causing damage to surfaces such as wood, glass, automobile paint, auto striping and trim, and delicate objects such as flowers and shrubs. Before spraying, check the item to be cleaned to assure yourself that it is strong enough to resist damage from the force of the spray. Avoid the use of the concentrated spray stream except for very strong surfaces like concrete and steel.

Operating without flow of water will result in equipment damage. **Operating the pressure washer with water supply shutoff will void your warranty.** You should never run this pressure washer for more than 2 minutes without pulling the trigger to allow cool water to enter the pump and the heated (recirculated) water to exit.

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

This product 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 having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠ DANGER **Improper connection of the equipment-grounding conductor can result in risk of electrocution. Check with a qualified electrician or service personnel if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provide with the product-if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Do not use any type of adapter with this product.**

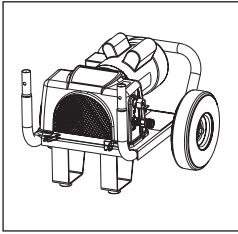
EXTENSION CORDS

Use extra high pressure hose instead of extension cords to avoid voltage drop and power loss to the motor, and to prevent overheating. **DO NOT USE EXTENSION CORDS. NOTE:** The use of extra high pressure hoses will lower the pressure washer's PSI below 1700.

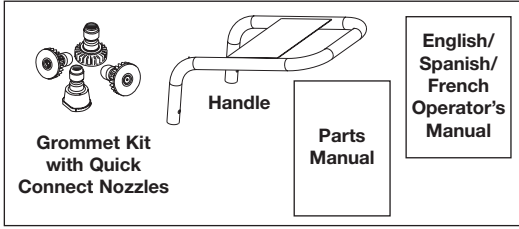
GROUND FAULT CIRCUIT INTERRUPTER PROTECTION

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 become necessary, use only identical replacement parts that include GFCI protection.

CARTON CONTENTS



**Engine Frame and
Wheel Assembly**



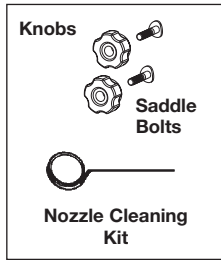
**Grommet Kit
with Quick
Connect Nozzles**

Handle

**Parts
Manual**

**English/
Spanish/
French
Operator's
Manual**

Bagged Handle



Knobs

**Saddle
Bolts**

**Nozzle Cleaning
Kit**

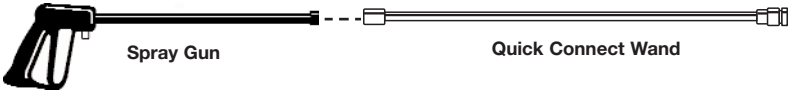
Bagged Parts



**High
Pressure
Hose**



**Chemical
Hose**

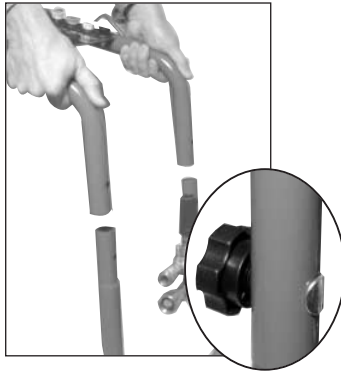


Spray Gun

Quick Connect Wand

ASSEMBLY INSTRUCTIONS

1. Place handle assembly onto frame and connect handle to frame.



2. Connect wand to gun. Tighten securely.



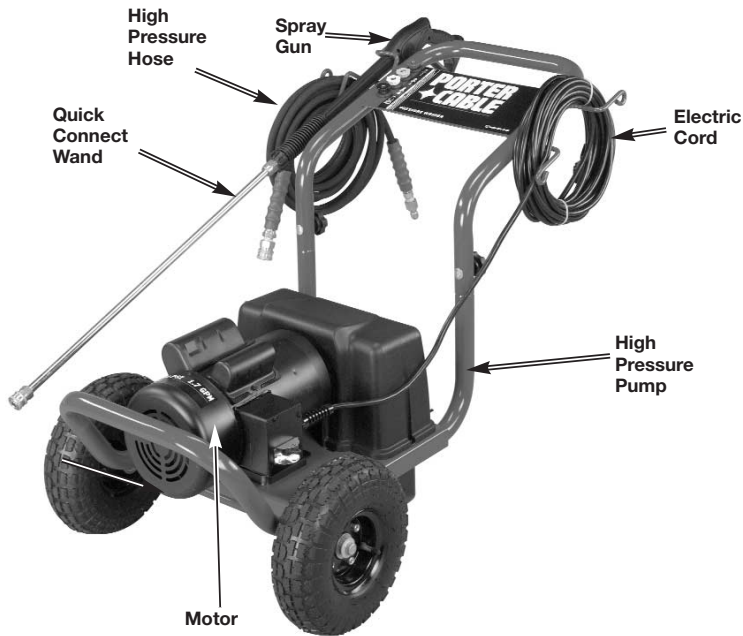
3. Attach high pressure hose to gun. Tighten securely.



4. Assemble grommet kit and quick-connect nozzles as described in instructions supplied.

OPERATING INSTRUCTIONS

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR UNIT. Compare the illustrations with your unit to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.



BASIC ELEMENTS OF A PRESSURE WASHER

High Pressure Pump (located inside the shroud): Increases the pressure of the water supply.

Motor: Drives the high pressure pump.

High Pressure Hose: Carries the pressurized water from the pump to the gun and wand.

Spray Gun: Connects with wand to control water flow rate, direction, and pressure.

Quick Connect Wand: Wand is equipped with a female quick connect coupler on the end. This allows the user to quickly change out high-pressure nozzles for different spray patterns and change to the soap nozzle for low pressure and chemical/soap applications. See Operation section.

Chemical Hose (not shown): Allows cleaners or cleaning solvents to be mixed with the pressurized water stream. See How To Siphon Chemicals/Cleaning Solvents in Operation section of this manual.

Ground Fault Circuit Interrupter Protection (GFCI): This 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 become necessary, use only identical replacement parts that include GFCI protection.

PRESSURE WASHER TERMINOLOGY

PSI: Pounds per Square Inch. The unit of measure for water pressure. Also used for air pressure, hydraulic pressure, etc.

GPM: Gallons Per Minute. The unit of measure for the flow rate of water through the pressure washer.

CU: Cleaning Units. GPM multiplied by PSI.

Bypass Mode: In Bypass Mode, the pump is recirculating water because the trigger of the spray gun is not pulled. If unit is left in bypass mode for more than two (2) minutes, the water temperature can rise to a dangerous level and may damage internal components of the pump. Any damage to pump due to these causes will not be covered under warranty.

CAUTION **DO NOT allow your unit to operate in bypass mode for more than two minutes at any time. Overheating of pump can cause damage to pump and will void the pump warranty.**

Thermal Relief Valve: In an effort to prevent extreme damage, pumps are equipped with a thermal relief valve. This valve will open when the temperature inside the pump rises too high. This valve will then release a gush of water in an effort to lower the temperature inside the pump. Immediately after this occurs, the valve will close. The thermal relief valve is part of the pump and is not visible to the user.

Chemical Injection: Feeds cleaning agents into the pump to mix with the pressurized water and help in cleaning.

Water Supply: All pressure washers must have a source of water. The minimum requirements for a water supply are 20 PSI and 5 gallons per minute.

PRESSURE WASHER OPERATING FEATURES

PRESSURE ADJUSTMENTS

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

1. **Back away from the surface to be cleaned.** The further away you are, the less the pressure will be on the surface to be cleaned.
2. **Change to a wider spray pattern nozzle.** See How to Use Wand paragraph in this section

CAUTION **DO NOT attempt to increase pump pressure. A higher pressure setting than the factory set pressure may damage pump.**

HOW TO USE WAND

▲WARNING Risk of injection or injury to person and animals. Do not direct discharge stream toward persons, unprotected skin, eyes, or with any pets or animals. Serious injury can occur.

▲CAUTION DO NOT attempt to change nozzles while pressure washer is running. Turn motor off before changing nozzles.

Your pressure washer is equipped with four spray nozzles. Each is color coded and delivers a specific spray pattern for a particular cleaning purpose. The size of the nozzle determines the size of the fan spray and the pressure out of the nozzle. The 0°, 15°, and 40° nozzles are high pressure nozzles. The chemical nozzle is a low pressure nozzle.

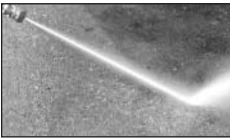


The nozzles are housed in receptacles on the panel of the pressure washer handle. Color squares on the panel identify nozzle location and spray pattern.

To change quick connect nozzles:

1. Pull quick connect coupler back and insert nozzle.
2. Release quick connect coupler and twist nozzle to make sure it is secure in coupler.

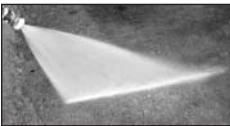
▲WARNING Risk Of Injury. Ensure nozzle is completely inserted in QC socket, and QC snap ring is fully engaged (forward) before squeezing gun trigger.



0° nozzle - Red. This nozzle delivers a pinpoint stream and is extremely powerful. It covers a very small area of cleaning. This nozzle should only be used on surfaces that can withstand this high pressure such as metal or concrete. Do not use on wood.



15° nozzle - Yellow. This nozzle delivers a powerful 15 degree spray pattern for intense cleaning of small areas. This nozzle should only be used on areas that can withstand the high pressure from this nozzle.



40° nozzle - White. This nozzle delivers a 40 degree spray pattern and a less powerful stream of water. It covers a wide area of cleaning. This nozzle should be used for most general cleaning jobs.

Chemical nozzle - Black. This nozzle is used to apply chemicals or cleaning solutions. It has the least powerful stream.

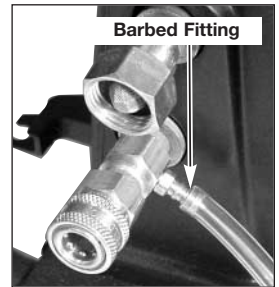
HOW TO SIPHON CHEMICALS AND CLEANING SOLVENTS

Siphoning chemicals or cleaning solvents is a low pressure operation. **NOTE:** Use only soaps and chemicals designed for pressure washer use. Do not use bleach.

To siphon chemicals:

1. **Press chemical hose** onto barbed fitting located near high pressure hose connection of pump as shown.
2. **Place other end** of chemical hose with filter on it into container holding chemical/cleaning solution. **NOTE:** The chemical/water ratio is 7:1, for every 7 gallons of water pumped one gallon of chemical/cleaning solution will be used.
3. **Install low pressure (black) nozzle** into quick connect fitting of wand, see How To Use Wand paragraph in this section.
4. **After use of chemical**, siphon clean water through chemical hose to rinse it and pump clean. Chemicals which remain in pump can damage it. Damage to pump due to chemicals will not be covered under warranty.

NOTE: Chemicals and soap will not siphon when wand is in the high pressure setting.



READ AND UNDERSTAND ALL WARNINGS BEFORE STARTING UNIT

▲ DANGER **When using the high pressure setting, DO NOT** allow the high pressure spray to come in contact with unprotected skin, eyes, or with any pets or animals. Serious injury can occur.

Your washer operates at fluid pressures and velocities high enough to penetrate human and animal flesh, which could result in amputation or other serious injury. Leaks caused by loose fittings or worn or damaged hoses can result in injection injuries. **DO NOT TREAT FLUID INJECTION AS A SIMPLE CUT! See a physician immediately!**

▲ CAUTION **Never** pull water supply hose to move pressure washer. This could damage hose and/or pump inlet.

DO NOT use hot water, use cold water only.

Never turn water supply off while pressure washer motor is running or damage to pump will result.

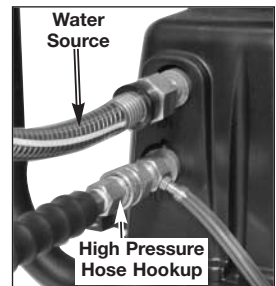
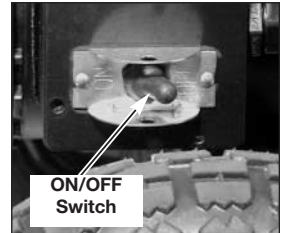
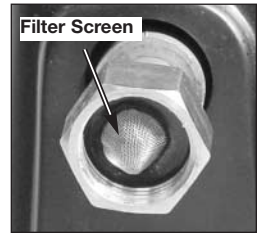
DO NOT stop spraying water for more than two minutes at a time. Pump operates in bypass mode when spray gun trigger is not pressed. If pump is left in bypass mode for more than two minutes internal components of the pump can be damaged.

This Product is intended for intermittent use only. Operate pressure washer one hour or less in a 2 hour period.

If you do not understand these precautions please call 1-888-559-8550 to speak to a service representative for further instructions.

STARTING

1. **Verify the filter screen** is in water inlet of pump.
NOTE: Cone side faces out.
2. **See How To Use Wand** instructions in this section and select the correct quick connect nozzle for the job to be performed
3. **Make sure the ON/OFF switch is in the OFF position.**
4. **Plug the unit into an appropriate outlet** that is properly installed and grounded in accordance with all local codes and ordinances. See the GROUNDING INSTRUCTION paragraph.
ATTENTION: Test GFCI plug before each use.
To test:
 - a. Plug GFCI into an appropriate outlet.
 - b. Press the reset button.
 - c. Press the test button. Red indicator on reset button should appear.
 - d. Press reset button again for use. Do not use if above test fails.
5. **Connect** water source to pump inlet.
NOTE: Water source must provide a minimum of 5 gallons per minute at 20 p.s.i.
6. **Connect** high pressure hose to pump outlet.
7. **If applying a chemical or cleaning solution**, see How To Siphon Chemicals/Cleaning Solvents in Operation section of this manual.
8. **Turn water source on.**
9. **Place the ON-OFF switch in the On position.**
10. **Depress trigger on gun to start water flow.**
NOTE: Stand on a stable surface and grip gun/wand firmly with both hands. Expect the gun to kick when triggered.
11. **Release trigger to stop water flow.**



SHUTTING DOWN

1. **After each use**, if you have siphoned chemicals, siphon a bucket of clean water through the chemical hose.
NOTE: Failure to do so will cause damage to the pump.
2. **Place the ON-OFF switch in the Off position.** **NOTE:** NEVER turn the water off with the motor running.
3. **Turn water source off.**
4. **Pull trigger on spray gun** to relieve any water pressure in hose or spray gun.
5. **See Storage section** in this manual for proper storage procedures.

MAINTENANCE

⚠ WARNING When performing maintenance, you may be exposed to hot surfaces, water pressure, or moving parts that can cause serious injury or death!

Before performing any maintenance or repair, unplug unit from power source, let motor cool and release all water pressure.

To ensure efficient operation and longer life of your pressure washer, a routine maintenance schedule should be prepared and followed. If the pressure washer is used in unusual conditions, such as high-temperatures or dusty conditions, more frequent maintenance checks will be required.

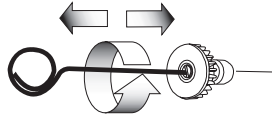
CUSTOMER RESPONSIBILITIES TABLE

MAINTENANCE TASK	Before each use	Every 25 hours or yearly	Every 50 hours or yearly	Every 100 hours or yearly
PRESSURE WASHER				
check high pressure hose for leaks	X			
check soap and chemical hose and filter	X			
check gun and wand for leaks	X			
prepare for storage	Prepare unit for storage if it is to remain idle for longer than 30 days			
HIGH PRESSURE PUMP				
check/clean inlet screen	X			
check/change oil	*			
* This pump does not require oil				
MOTOR				
Clean motor after each use. Using a cloth remove debris from motor. DO NOT use water to clean motor.				

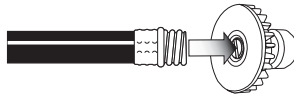
WAND

If the nozzle becomes clogged with foreign materials, such as dirt, excessive pressure may develop. If the nozzle becomes partially clogged or restricted, the pump pressure will pulsate. Clean the nozzle immediately using the nozzle kit supplied and the following instructions:

1. Place the ON/OFF switch in the OFF position and turn off the water supply.
2. **Unplug unit from power source**
3. Pull trigger on gun handle to relieve any water pressure.
4. Disconnect the wand from the gun.
5. Remove the high-pressure nozzle from the wand. Remove any obstructions with the nozzle cleaning tool provided and backflush with clean water.



6. Direct water supply into nozzle end to backflush loosened particles for 30 seconds.

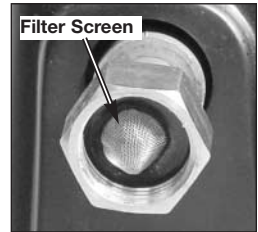


7. Reassemble the nozzle to the wand.
8. Reconnect wand to gun and turn on water supply.
9. Plug unit into appropriate outlet
10. Start pressure washer and place wand into high pressure setting to test.

HOW TO CLEAN THE WATER INLET FILTER

This screen filter should be checked periodically and cleaned if necessary.

1. **Remove filter** by grasping end and removing it from water inlet of pump as shown.
2. **Clean filter** by flushing it with water on both sides.
3. **Re-insert filter** into water inlet of pump.



STORAGE

It is recommended that you follow these steps to protect the internal seals of the pressure washer when **STORING THE UNIT FOR AN EXTENDED PERIOD** and/or **WHEN FREEZING TEMPERATURES ARE EXPECTED**. **Allowing pump to freeze will void pressure washer warranty.**

PUMP

NOTE: If storing the unit for more than 30 days ***RV antifreeze** needs to be run through the pump. This helps prevent damage within the pump head. **RV antifreeze** is not only added for winterizing, but for proper lubrication regardless of temperature or environment. Storing the pump less than 30 days in warm weather does not require the **RV antifreeze**.

*Windshield washer fluid may also be used.

1. **Make sure unit is unplugged from power source.**
2. **Obtain a funnel**, six ounces of **RV antifreeze**, and approximately 12 inches of garden hose with a male hose connector attached to one end.

▲ CAUTION

Use only RV antifreeze. Any other antifreeze is corrosive and can damage pump.

3. **Disconnect high pressure hose** from pump and from spray gun.
4. **Connect 12 inch length of hose** to water inlet of pump.
5. **Add RV antifreeze** to hose as shown.
6. **Place the ON-OFF switch in the On position then Off position.** until anti-freeze comes out of high pressure hose connection of pump.
7. **Remove short hose** from water inlet of pump.
8. **Drain all water from high pressure hose**, coil it, and store it in cradle of the pressure washer handle.
9. **Drain all water from spray gun** and wand by holding spray gun in a vertical position with nozzle end pointing down and squeezing trigger. Store in gun/hose holder.
10. **Store chemical hose**, high pressure hose, spray gun, and wand so they are protected from damage, such as being run over.



TROUBLE SHOOTING GUIDE

PROBLEM	CAUSE	CORRECTION
Motor will not start and there is no humming sound	Pressure washer not plugged in.	Plug in pressure washer.
	“RESET” button on GFCI not pushed.	Push “RESET” button.
	Circuit breaker has tripped or fuse is blown.	Reset breaker or replace fuse.
Power source circuit continues to trip or blow fuses	Too much load already on circuit.	Reduce load on circuit. Try another 15 amp circuit.
Motor hums but will not start	Using an extension cord.	DO NOT use extension cords.
	Pump is stuck due to dirt, mineral build up, or ice.	Unplug unit. If temperature is below freezing do not use. Thaw in a warm area.
No or low pressure (initial use)	Wand not in high pressure.	See How to Use Wand paragraph in the Operation Section.
	Low water supply.	Water supply must be at least 5 GPM @ 20 PSI.
	Leak at high pressure hose.	Repair leak. Apply sealant tape if necessary.
	Nozzle obstructed.	Clean nozzle with paper clip or nozzle cleaning tool, pour water into nozzle end to flush out obstruction.
	Water filter screen clogged.	Remove and clean filter.
	Defective E-Z start valve.	Check with Authorized Warranty Service Center (AWSC.)
	Air in hose.	Turn off the motor, then the water source. Disconnect the water source from the pump inlet and turn the water source on to remove all air from the hose. When there is a steady stream of water present, turn water source off. Reconnect water source to pump inlet and turn on water source. Squeeze trigger to remove remaining air.
High pressure hose is too long.	Use high pressure hose under 100 feet.	

PROBLEM	CAUSE	CORRECTION
Will not draw chemicals	Wand not in low pressure.	See How to Use Wand paragraph in the Operation Section.
	Chemical filter clogged.	Clean filter.
	Chemical screen not in chemical	Insure end of chemical hose is fully submerged into chemical.
	Chemical too thick.	Dilute chemical. Chemical should be the same consistency as water.
	Pressure hose is too long	Lengthen water supply hose instead of pressure hose.
	Chemical build up in chemical injector.	Have parts cleaned or replaced by AWSC.
No or low pressure (after period of normal use)	Worn seal or packing	Have replaced by AWSC.
	Worn or obstructed valves.	Have replaced by AWSC.
	Worn unloader piston.	Have replaced by AWSC.
	Worn E-Z start valve.	Have replaced by AWSC.
Water leaking at gun/wand connection	Worn or broken o-ring.	Check and replace.
	Loose hose connection.	Tighten.
Water leaking at pump	Loose connections.	Tighten.
	Piston packings worn.	Have replaced by AWSC.
	Worn or broken o-rings.	Have replaced by AWSC.
	Pump head or tubes damaged from freezing.	Have replaced by AWSC.

LIMITED WARRANTY

PORTER-CABLE CORPORATION warrants to the original purchaser that all products covered under this warranty are free from defects in material and workmanship. Products covered under this warranty include air compressors, air tools, service parts, pressure washers, and generators, which have the following warranty periods:

- 3 YEARS** - Limited warranty on 2-stage oil-free air compressor pumps that operate at 1725 RPM.
- 2 YEARS** - Limited warranty on oil-lubricated air compressor pumps.
- 1 YEAR** - Limited warranty on all other air compressor components.
- 2 YEARS** - Limited warranty on electric generator alternators.
- 1 YEAR** - Limited warranty on other generator components.
- 2 YEARS** - Limited warranty on pneumatic air tools as described in Porter-Cable general catalog.
- 1 YEAR** - Limited warranty on pressure washers used in consumer applications (i.e. personal residential household usage only).
- 90 DAY** - Pressure washers used for commercial applications (income producing) and service parts.

Porter-Cable will repair or replace, at **Porter-Cable's** option, products or components which have failed within the warranty period. Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replacement parts. All decisions of **Porter-Cable** Corporation with regard to this limited warranty shall be final.

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

RESPONSIBILITY OF ORIGINAL PURCHASER (initial User):

- To process a warranty claim on this product, DO NOT return it to the retailer. The product must be evaluated by an **Porter-Cable** Authorized Warranty Service Center. For the location of the nearest **Porter-Cable** Authorized Warranty Service Center call 1-888-559-8550, 24 hours a day, 7 days a week.
- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- Deliver or ship the product to the nearest **Porter-Cable** Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation. Contact the nearest **Porter-Cable** Authorized Warranty Service Center that provides on-site service calls, for service call arrangements.
- If the purchaser does not receive satisfactory results from the **Porter-Cable** Authorized Warranty Service Center, the purchaser should contact Porter-Cable.

THIS WARRANTY DOES NOT COVER:

- Merchandise sold as reconditioned, used as rental equipment, and floor or display models.
- Merchandise that has become damaged or inoperative because of ordinary wear, misuse*, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owners Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by **Porter-Cable**, or unauthorized repair or alterations.
 - * An air compressor that pumps air more than 50% during a one hour period is considered misuse because the air compressor is undersized for the required air demand.
- Repair and transportation costs of merchandise determined not to be defective.
- Costs associated with assembly, required oil, adjustments or other installation and start-up costs.
- Expendable parts or accessories supplied with the product which are expected to become inoperative or unuseable after a reasonable period of use, including but not limited to sanding disks or pads, saw and shear blades, grinding stones, springs, chisels, nozzles, o-rings, air jets, washers and similar accessories.
- Merchandise sold by **Porter-Cable** which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer's warranty, if any, will apply.
- **ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS WARRANTY.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- **IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

PORTER CABLE

Porter-Cable Corporation
Jackson, TN USA
1-888-559-8550

QUICK FACTS

CALL 1-888-559-8550

TO FIND A LOCAL AUTHORIZED SERVICE CENTER NEAR YOU FOR REPAIRS
AND SERVICE PART PURCHASES.

OIL	This pump does not require oil.
WATER	Use only cold water. Don't operate unit with clogged or missing water filter/screen. Don't operate unit without adequate water supply to pump. Adequate water supply is a minimum of 20 psi and 5 gpm.
PRESSURE ADJUSTMENT	The pressure setting is preset at the factory to achieve optimum cleaning. If you need to lower the pressure setting, refer to the owners manual for proper procedure.
PUMP	Pull gun trigger every 2 minutes while motor is running. Don't allow water to freeze in pump. Siphon RV antifreeze into pump for cold weather storage or long term storage.
BY-PASS MODE	Never leave unit running for more than 2 minutes without pulling gun trigger; doing so may damage pump and void warranty.
THERMAL RELIEF VALVE	Pump is equipped with a thermal relief valve. If the water overheats, this valve will open and allow a gush of water to escape. Once the water is released, the valve closes allowing the pump to operate normally.
HOSE	Don't allow hoses to contact the HOT motor during or after use. Never pull the hose to move the unit.
SOAP/CHEMICALS	Use only soaps and chemicals designed for pressure washer use..
NOZZLE	Keep nozzle unclogged. Refer to manual for cleaning procedures. Chemical/soap cannot be siphoned in high pressure setting. Only in low setting.
MAINTENANCE SCHEDULE	Follow recommended maintenance schedule for motor & pump. Refer to manual.
STORAGE OR WINTERIZING	Draw clean water through chemical inlet. Don't allow water to freeze in pump, gun, wand or hoses. Siphon RV antifreeze into pump for cold weather storage or long term storage.

ALWAYS REFER TO THE MANUALS SUPPLIED WITH THIS UNIT

