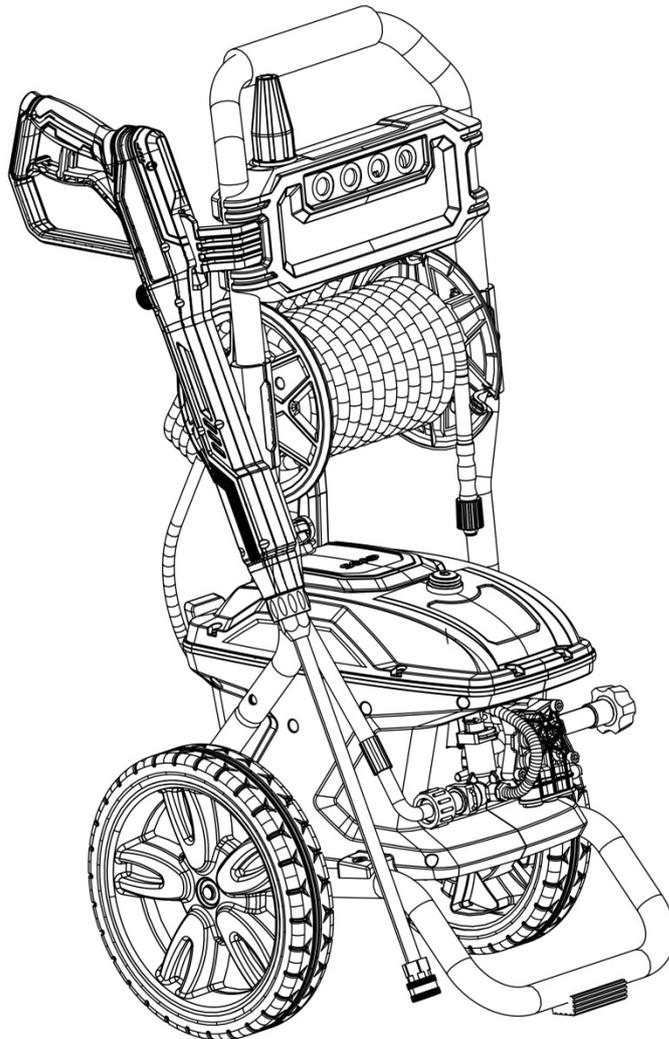


2200 PSI Electric Pressure Washer OPERATOR'S MANUAL



Caution:

- Before using your pressure washer, you must read this manual carefully to understand the proper use of your unit
- Keep this manual handy



WARNING: This product and other substances that may become airborne from its use contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.
For more information, visit www.P65warnings.ca.gov.



DO NOT RETURN TO STORE!

HAVE QUESTIONS OR NEED SERVICE?

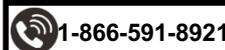


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Introduction

Thank you for choosing this Goodyear Electric Pressure Washer.

This manual provides instructions on operating and using your pressure washer safely and correctly; be sure to read and understand this manual before using your pressure washer. If you have **ANY questions**, please phone **1.866.591.8921** or email **support@pulsar-products.com** **BEFORE** using your pressure washer.

All details and images in this Operator's Manual are believed to be accurate at publication.

This manual is a permanent part of the pressure washer set. If the pressure washer is resold, kindly include this manual with the pressure washer.

Safety Warnings and Notices

WARNING: Save This Manual for Future Reference

This manual contains important information regarding the safety, operation, maintenance, and storage of this product. Before use, read are fully and understand all cautions, warnings, instructions, and product labels. Failure to do so could result in serious personal injury and/or property damage

Safety Definitions

This manual contains important information regarding the safety, operation, maintenance, and storage of this product. Before use, you must read fully and understand all cautions, warnings, instructions, and product labels. Failure to do so could result in serious personal injury and/or property damage.

 This safety alert symbol appears with most safety statements. It means to pay attention and be alert, your safety is involved! Please read and abide by the message that follows the safety alerts symbol.

DANGER

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

WARNING

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

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTICE

Failure to follow the instruction may result in the damage to your pressure washer and other property.

Safety Instructions

Ground Fault Circuit Interrupter (GFCI)

This pressure washer is provided with a Class 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.

This unit is equipped with a Class A Ground Fault Circuit Interrupter (GFCI). When connecting the GFCI to the receptacle, the indicator should appear red. If the indicator is not red, press the RESET button on the GFCI until the indicator appears red. If the indicator does not appear red, please see Section titled "Troubleshooting" for more information.

Important Safety Tips

CAUTION

- Never point the high-pressure nozzle at people or animals.
- Never drink alcohol or use drugs while operating the pressure washer.
- Never operate the pressure washer while standing in water.
- Never touch the electrical plug with wet hands.
- Never let the electrical connections rest in water.
- Never operate the pressure washer without the water turned on.
- Never use hot water with this pressure washer.

Safety Precautions

WARNING

When using this product, basic precautions should always be followed, including the following:

- Read all instructions before using the product. Save all safety instructions.
- Do not operate the pressure washer when fatigued or under the influence of alcohol or drugs.
- Risk of infection or injury – do not direct the high-pressure water stream at any people or animals.
- Do not allow children to operate the pressure washer at any time.
- To reduce the risk of injury, close supervision is necessary when the pressure washer is used near children.
- Know how to stop the unit and reduce pressure immediately. Be completely familiar with the controls.
- Stay alert – always be aware of where you are directing the high-pressure spray.
- Keep cleaning area clear of all people.
- Always maintain safe footing and balance – do not overreach or stand on an unstable support.
- The work area should have adequate drainage to reduce the possibility of a fall due to slippery surfaces.
- Follow the maintenance instructions specified in the manual.
- To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch the plug with wet hands.

Safety Instructions

NOTICE

General Safety Precautions:

- Intended for outdoor household use only.
- High-pressure hose can develop leaks from wear, abuse, kinking etc. Do not use a damaged hose.
- Do not use the pressure washer in areas near combustible materials, combustible fumes, or dust.
- Some chemicals or detergents may be harmful if inhaled or ingested causing severe injury. Use a respirator or mask whenever there is a chance that vapors may be inhaled. Read all instructions included with the mask so you are certain the mask will provide the necessary protection against inhaling harmful vapors.
- Before starting the pressure washer in cold weather, check all the parts of the equipment and be sure that ice has not formed. Do not store the unit anywhere that the temperature will fall below 0 °C (32 °F).
- **DO NOT MAKE ANY MODIFICATIONS TO ANY OF THE COMPONENTS!** Units with broken or missing parts, or without the protective housing or covers should **NEVER** be operated.
- Keep the high-pressure hose connected to the pressure washer and the spray gun while the system is pressurized. Disconnecting the hose while the unit is pressurized is dangerous and may cause injury.
- Do not leave the pressure washer unattended while the power switch is ON.
- Keep the water spray away from electrical wiring or fatal electric shock may result.

Extension Cords

Use of an extension cord with this product is **NOT RECOMMENDED**. If you must use an extension cord, use only extension cords that are intended for outdoor use. These cords are identified by a marking **“ACCEPTABLE FOR USE WITH OUTDOOR APPLIANCES, STORE INDOORS WHILE NOT IN USE.”**

Use only extension cords having an electrical rating not less than the rating of the product. Examine the extension cord before use. Do not use damaged extension cords! Do not pull-on cord to disconnect from the receptacle. Always disconnect by pulling on plug. Keep the cord away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.

WARNING

To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch the plug with wet hands.

Preparation & Installation

Before Operating Equipment

⚠ WARNING

THIS UNIT IS INTENDED FOR USE WITH COLD WATER ONLY! DO NOT USE HOT WATER IN THIS PRESSURE WASHER.

- Operate the pressure washer at no more than the fluid pressure rated for the pressure washer. Never run the pressure washer without a water supply. Running the unit without a water supply will cause irreparable damage to the unit.
- Make sure that the water supply you use for the pressure washer is not dirty or sandy and does not hold any corrosive chemical products. Using a dirty water supply will reduce the life of the pressure washer.

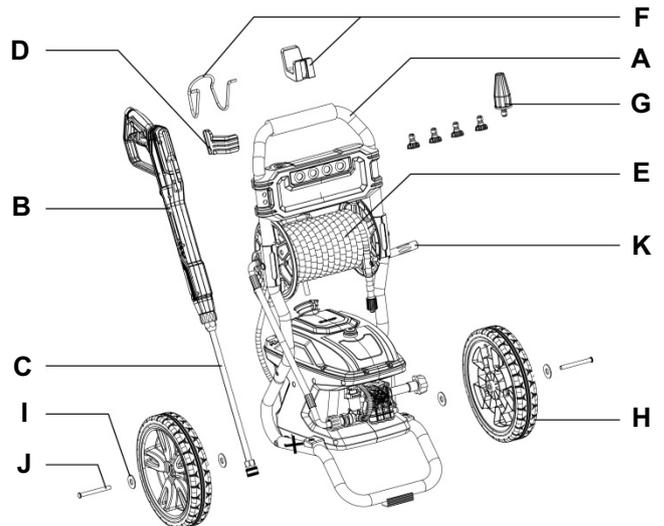
⚠ CAUTION

- **The pressure washer can be used for a variety of applications including washing cars, boats, patios, decks, garages, etc. where high pressure is necessary to remove dirt and debris.**
- **High-pressure water flow can damage the work surface if not used properly! See the section titled "Operation" for more details. Always test the spray in an open area first.**
- **NEVER** move the unit by pulling on the high-pressure hose. Use the handle provided on the top of the unit.
- Always hold the high-pressure gun and wand with two hands. Keep one hand on the gun/trigger, while supporting the top of the wand with the other hand.
- When dispensing detergent, the pressure washer applies detergent to the cleaning area at low pressure only. Once the detergent has been applied, spray the detergent off the work area by using the adjustable nozzle.

Installing Guide

After opening the carton, remove all parts and check them against the following list of included components:

- A. Handle
- B. Gun
- C. Wand
- D. Gun Hanger
- E. High-pressure Hose
- F. Power Cord Hanger
- G. Nozzles and Soap
- H. Wheel (2Pcs)
- I. Flat Washer (4Pcs)
- J. Axle (2Pcs)
- K. Turning Handle

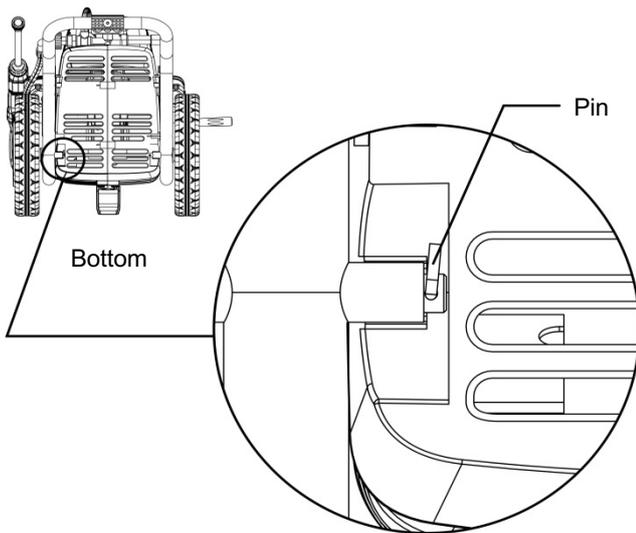
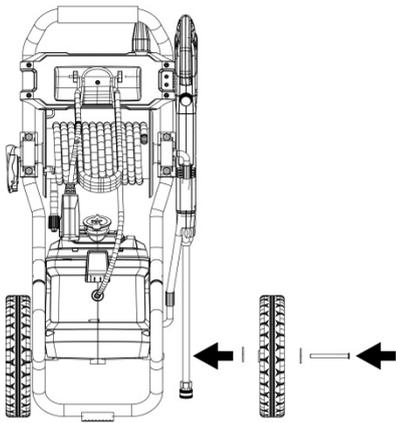


Preparation & Installation

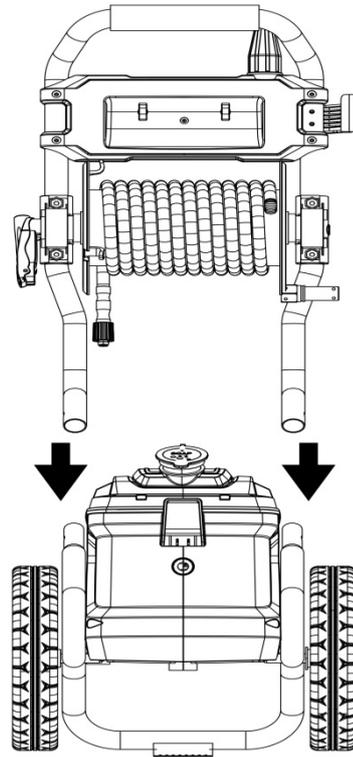
NOTICE

To assemble the enclosed parts, refer to the steps that follow:

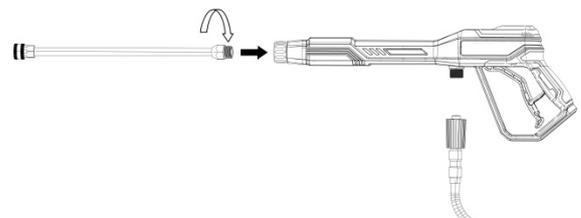
1. Put the flat insert on the axle, Install the axle on the wheel and the motor frame, insert the pins into the shaft hole and open them.



2. Align handle frame with the lower frame and insert tubes until you here a click. Make sure the handle portion of the pressure washer locks into place with the lower frame.



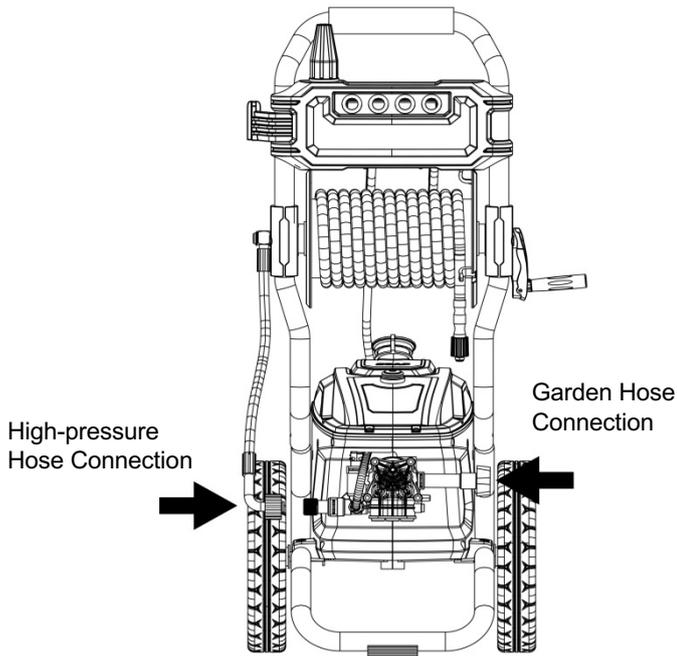
3. Secure the stainless wand to the pressure gun.



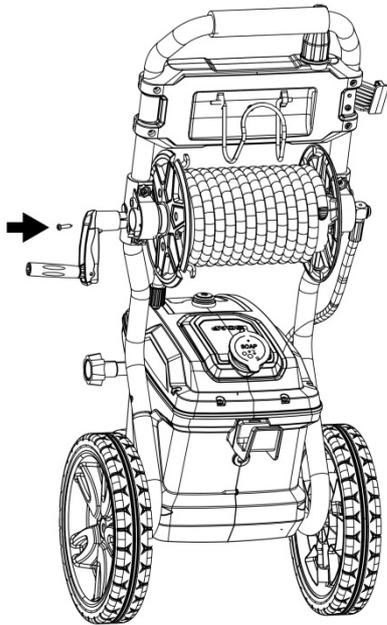
4. Insert the high-pressure hose to the gun and tighten to secure it.

Preparation & Installation

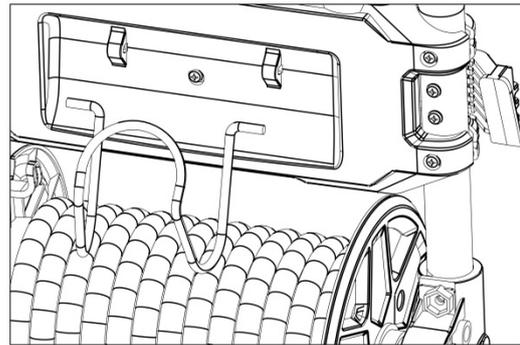
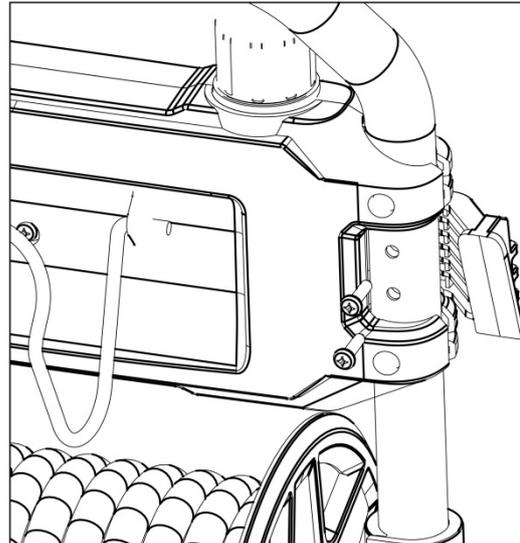
5. Attach the garden hose connector to the pressure washer. Before attaching a hose to the male fitting, remove and discard the plastic shipping cap. Next, attach the high-pressure hose connector to the pressure washer outlet.



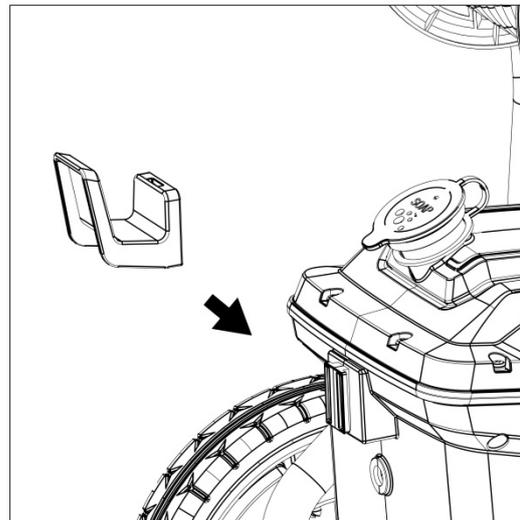
6. Attach the turning handle to the roll shaft and lock them with screw (ST4.8x18).



7. Attach the gun hanger to the armrest hole and lock them with two screws (ST4.2X16).



8. With power cord hanger oriented as seen, slide the hanger on the housing dovetail.



Operation

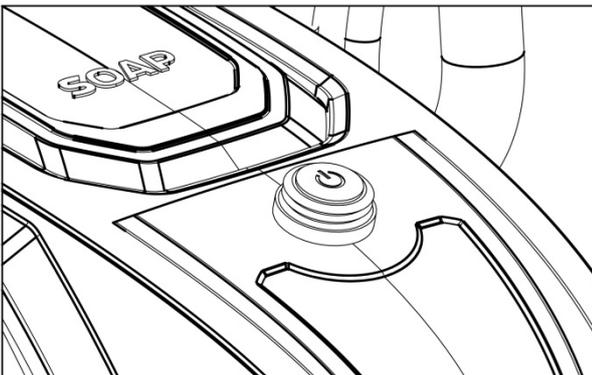
Starting the Unit

⚠ WARNING

**This unit is intended for use with cold water only!
Do not use hot water in this pressure washer.**

After connecting the pressure washer to your cold-water supply, proceed as follows:

1. Make sure that the on/off switch is in the off position.
2. Connect the garden hose with a quick connect to the inlet fitting.
3. Attach the hose to the gun as per assembly instruction step 1.
4. Insert the adjustable spray nozzle into the gun as per assembly.
5. Connect the high-pressure hose to the high-pressure outlet fitting
6. Open the water supply valve completely.
7. Before turning the unit on, press the gun trigger to bleed all the remaining air out of the pump and hose.
8. Start the pressure washer by turning the on/off switch to the on position and squeeze the trigger.



NOTICE

The motor does not run continuously, only when the trigger is squeezed.

⚠ WARNING

Risk injury the unit will start spraying when trigger is squeezed. When turning the unit off after use, high pressure still exists inside the hose and unit.

Point the gun in a safe direction and discharge the excess pressure. NEVER direct the high-pressure water stream at people or animals.

Automatic On / Off

The pressure washer is equipped with an automatic on/off switch. The pressure washer will only run when the power switch is in the ON position and the trigger on the gun is squeezed. When you release the trigger to stop spraying water through the gun, the motor on the pressure washer will automatically shut off. Simply squeeze the trigger again to resume using the washer.

To stop using the pressure washer, release the trigger and switch the unit to the OFF position. The unit should be turned completely OFF while not in use or while unattended.

Bleeding the Gun

It is very important to bleed all the air out of the pressure washer before using it.

1. Release trigger lock.
2. Squeeze the trigger before turning on the pressure washer. This removes any air trapped inside the pressure washer and wand before use.
3. Continue holding the trigger for approximately one minute to allow any excess air out of the unit. Water will flow through the gun at low pressure during this procedure.
4. Lock the trigger.

Operation

5. Plug the power cord into the electrical outlet.
6. Release the trigger lock.
7. Turn the ON/OFF switch clockwise to the I/ON position.
8. The pressure washer is ready for operation.

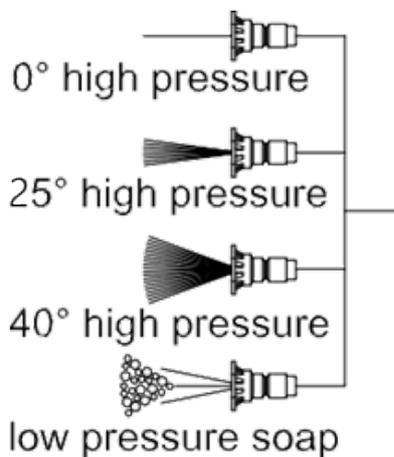
Trigger Safety Lock

This pressure washer is equipped with a gun trigger safety lock. When not using the pressure washer, use the safety lock to protect accidentally engaging the high-pressure spray.

Spray Nozzles

Equipped with spray nozzles this will allow you to use a variety of spray patterns from a full fan spray to pinpoint spray. When using the pressure washer to clean wood decks, siding, vehicles, etc., always start using the fan spray and begin spraying from a minimum of 36" away to avoid damaging the surface of the material you are cleaning.

Always begin by spraying in a test area free and clear of people and objects.



Dispensing Detergent

The built-in detergent dispenser will allow you to apply liquid detergent onto the work surface. Detergent application happens at low pressure only. Insert the low-pressure soap nozzle so that the pressure washer is in low-pressure mode

Remove the cap on the reservoir and fill it with liquid detergent. Do not put any water into the reservoir. The pressure washer will mix water and detergent automatically. When finished applying the detergent to the work surface change the soap nozzle to the desired high-pressure nozzle to rinse the soap from the surface.



Make sure Pressure Washer is turned off when changing high pressure nozzles.

Auto Stop System

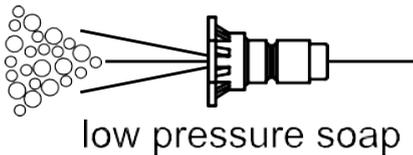
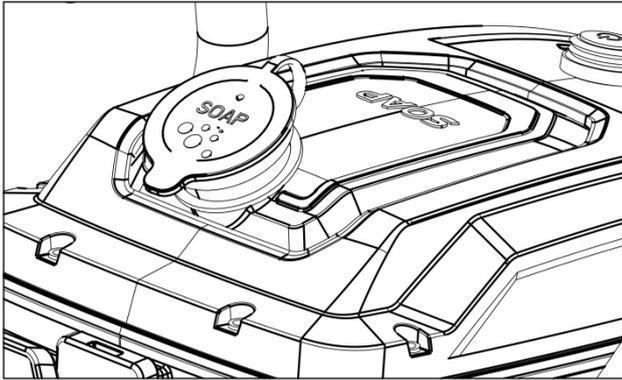
The pressure washer is fitted with an automatic stop system to protect the motor when in use.

When the trigger is released, the motor will stop.

When the trigger is squeezed the motor will start up again.

Using Detergents

1. Attach the soap spray nozzle.
2. Lift the soap reservoir cover and fill with a detergent product that is approved for pressure washer use.



3. To apply the detergent to your work area. Turn the pressure washer switch to the ON position. Pull the trigger to operate the unit. The pressure washer will mix the detergent with water. Do not allow the detergent to dry on the object that you are cleaning.

WARNING

Never use products with bleach or chlorine or any other corrosive materials, including liquids containing solvents (i.e. gas, oils etc.), tri-sodium phosphate products, ammonia, or acid-based cleaners. These chemicals will harm the unit and cause damage to the surface being cleaned. Always read the label.

Clean-Up and Storage

Shutting down the pressure washer.

When finished using the pressure washer, follow these steps to shut down the unit:

1. Turn the pressure washer to the OFF position.
2. Turn off the water supply.
3. Before disconnecting high-pressure hose connection, point the gun in a safe direction and discharge the high-pressure water.
4. Disconnect high-pressure hose from the pressure washer and gun. Disconnect garden hose from the pressure washer.
5. Remove excess water from the pump by tipping the unit on both sides to drain any remaining water from the inlet and outlet fittings.
6. Remove the Water Intake Filter and flush with water to remove dirt or debris. Return the filter once it is cleaned.
7. Drain the detergent reservoir and flush with running water.
8. Wipe away any remaining water on all parts and fittings.
9. Engage the gun trigger safety lock.
10. Store the pressure washer, parts, and accessories in an area with a temperature above 0°C (32°F).

Maintenance

Winterizing and Long-Term Storage

Follow all of the above shut-down procedures, adding the following steps:

- After disconnecting the water supply, and before disconnecting the high-pressure hose, turn the pressure washer on for 2-3 seconds, until any remaining water in the pump exits. Turn the unit off immediately.

Continued use of the pressure washer without the water supply attached will cause severe damage to the unit!

- Always store the pressure washer, parts, and accessories in an area with a temperature above 0° C (32° F).

WARNING

Failure to comply with these storage instructions will result in damage to the pump assembly.

- This pressure washer is supplied with a closed lubrication system, so no addition of oil is needed.
- Check all hoses and accessories for damage prior to use.
- Check the water intake filter periodically for deposits. Clean this filter regularly for maximum performance.

Cleaning Tips

CAUTION

Always test the spray in an area free and clear of people and objects before you are aiming at the intended cleaning surface.

- **Wood and Vinyl Decks**

Rinse deck and surrounding area with fresh water. If using detergent, fill the detergent reservoir and apply to the area being cleaned at low pressure. For optimal results, reduce your work area to smaller sections and clean each section one at a time. Allow the detergent to rest on the surface for a few minutes and then rinse at high pressure.

Do not let the detergent dry. Always clean from left to right and top to bottom for best results. Rinse at high pressure using the fan spray keeping the tip of the spray nozzle at least 6-9 inches from the cleaning surface. Maintain a further distance from the cleaning area when using a narrow spray.

CAUTION

For softer woods, increase the distance from the cleaning area.

- **Cement Patios, Stone, and Brick**

Rinse the area with fresh water. If using detergent, fill the detergent reservoir and apply to the area being cleaned at low pressure. Rinse at high pressure using the fan spray in a sweeping motion keeping the tip of the spray nozzle at least 3-6 inches from the cleaning surface. Maintain a further distance from the cleaning area when using a direct spray.

- **Cars, Boats, and Motorcycles**

Rinse the area with fresh water. If using detergent, fill the detergent reservoir and apply to the area being cleaned at low pressure. To achieve the best results, clean one side at a time. Allow the detergent to remain on the surface for a few minutes, but do not let the detergent dry. Rinse at high pressure using the fan spray in a sweeping motion keeping the tip of the spray nozzle at least 8 inches from the cleaning surface. Maintain a greater distance from the cleaning area when using a narrow spray. Wipe the surface dry for a polished finish.

- **Barbecue Grills, Power Equipment, and Garden Tools**

Rinse the area with fresh water. If using detergent, fill the detergent reservoir and apply to the area being cleaned at low pressure. Allow the detergent to remain on the surface for a few minutes, but do not let the detergent dry. Rinse at high pressure using the fan spray keeping the tip of the spray nozzle at least 1-3 inches from the cleaning surface. Maintain a greater distance from the cleaning area when using a narrow spray.

Specifications

Product Description	2200PSI Electric Pressure Washer
Max PSI	2200
Max Flow	1.65 GPM
Motor	120V/60HZ, 13A
Pump	Axial Cam
Output Shaft	Horizontal
Max. water temperature	40-140°F(5-60°C)
Motor Type	Universal
Power Cord	35' UL
Pressure Hose	20'
Wand	Plastic/Stainless
Nozzles	3 Spray Nozzles, 1 Soap Nozzle, 1 Turbo Nozzle
Trigger Control	Plastic
Auto Shutoff	GFCI
Chemical Dispenser	Built-In Detergent Bottle
Thermal Relief Valve	Yes
Unit size	35.4"x16.1"x14.2"
Warranty	2 Year P&L

Troubleshooting Guide

Problem	Possible Causes	Probable Solutions
WHEN THE SWITCH IS IN THE "I" POSITION THE MACHINE WILL NOT START	Electrical socket is faulty	Check plug, socket, and fuses
	Voltage is inadequate	Check that the voltage is adequate
	GFCI trips	Reset / Try another outlet
	Power cord is not plugged in	Plug in power cord
THE PUMP DOES NOT REACH ADEQUATE PRESSURE OR FLUCTUATES	Water Intake Filter is clogged.	Remove and clean filter
	Pump is drawing air	Tighten connections/bleed system
	Suction valves are clogged/worn	Clean or replace valves
	Diameter of garden hose too small	Replace to 1" garden hose
	Water supply is restricted	Check hose for kinks or leaks
	Insufficient water supply	Fully open the water supply
THE PRESSURE WASHER HAS OR WILL NOT MAINTAIN PRESSURE	Excessive air in water line and pump	Turn unit and water supply off / and bleed lines

Troubleshooting Guide

Problem	Possible Causes	Probable Solutions
THE MOTOR STOPS RUNNING WHILE IN USE	Net voltage lower than suggested	Check to determine that the voltage is adequate
THE PRESSURE WASHER MAKES EXCESSIVE NOISE	Intake is blocked	Check the intake valves
	Valves are worn, dirty, or clogged	Check, clean or replace valves
	Water Intake Filter is dirty	Check, clean, or replace filter

Parts List

Num.	Type	Qty.	Unit
1	Frame Handle	1	PCS
2	Motor Frame	1	PCS
3	Foot Pad	1	PCS
4	Frame Handle Foam	1	PCS
5	Wheel	2	PCS
6	Axle	2	PCS
7	Split Pin	2	PCS
8	Up Cover	1	PCS
9	Left Cover	1	PCS
10	Right Cover	1	PCS
11	Up Cover for Motor	1	PCS
12	Motor Cover	1	PCS
13	Front Nozzle Panel	1	PCS
14	Back Nozzle Panel	1	PCS
15	Left Hose Reel	1	PCS
16	Right Hose Reel	1	PCS
17	Gun Hanger	1	PCS
18	Fixing Part for Reel-left	1	PCS
19	Fixing Part for Reel-2	2	PCS
20	Fixing Part for Reel-right	1	PCS
21	Soap Bottle	1	PCS
22	Bottle Cap	1	PCS
23	Power Cord Hanger	1	PCS
24	Motor Clamp	1	PCS
25	Rocker Arm	1	PCS
26	Water Pipe	13.8	INCH
27	Turning Handle Sleeve	1	PCS
28	Motor	1	PCS
29	Power Cord	1	PCS
30	GFCI	1	PCS
31	Power Cord Clamp	1	PCS
32	Inlet Cord Sheath	1	PCS
33	Power Switch	1	PCS
34	Metal Gun Barrel	1	PCS
35	15° Nozzle	1	PCS

Parts List

Num.	Type	Qty.	Unit
36	25° Nozzle	1	PCS
37	40° Nozzle	1	PCS
38	Soap Nozzle	1	PCS
39	High Pressure Pipe	1	PCS
40	Metal Gun	1	PCS
41	Lotus Nozzle	1	PCS
42	Tapping Screw	3	PCS
43	Phillips Pan Head Screw	7	PCS
44	Phillips Pan Head Tapping Screw	19	PCS
45	Phillips Pan Head Tapping Screw	13	PCS
46	Phillips Pan Head Tapping Screw	2	PCS
47	Wire Elastic Clamp	1	PCS
48	Elbow Flat Washer	1	PCS
49	Flat	1	PCS
50	Circlip	1	PCS
51	Flat Washer	4	PCS



For product questions or to order replacement parts, please call 1-866-591-8921 or email support@pulsar-products.com.

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