

BRIGGS & STRATTON

®

**2200
PSI**

Operator's Manual

Questions? Help is just a moment away!

Call: **Pressure Washer Helpline**

1-800-743-4115 M-F 8-5 CT

Web: www.briggsandstratton.com

**Model
020288**



WARNING

Before using this product, read this manual and follow all Safety Rules and Operating Instructions.



AVERTISSEMENT

Avant d'utiliser ce produit, veuillez lire le manuel et suivre toutes les directives relatives à la sécurité et à l'utilisation.

**BRIGGS & STRATTON POWER PRODUCTS GROUP, LLC
JEFFERSON, WISCONSIN, U.S.A.**

Manual No. 200338GS
Revision - (03/30/2006)



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Safety Rules

SAVE THESE INSTRUCTIONS

TABLE OF CONTENTS

Safety Rules. 2-5
 Know Your Pressure Washer. 6
 Assembly. 7-8
 Operation. 9-12
 Product Specifications. 13
 Maintenance. 13-14
 Storage. 15
 Troubleshooting. 16
 Notes. 17-18
 Warranty. 19

EQUIPMENT DESCRIPTION


 **Read this manual carefully and become familiar with your pressure washer. Know its applications, its limitations and any hazards involved.**


This manual contains information for a pressure washer that operates at 2,200 PSI at a flow rate of 1.9 gallons per minute. This high quality residential system features 7" wheels, axial cam pump with stainless steel pistons, automatic cool down system, chemical injection system, adjustable spray nozzle. Includes safety goggles, heavy duty 25' hose, and more.

Every effort has been made to ensure that information in this manual is accurate and current. However, we reserve the right to change, alter or otherwise improve the product and this document at any time without prior notice.

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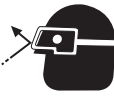

SAFETY RULES

 **This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.**



The safety alert symbol () is used with a signal word (DANGER, CAUTION, WARNING), a pictorial and/or a safety message to alert you to hazards. **DANGER** indicates a hazard which, if not avoided, *will* result in death or serious injury. **WARNING** indicates a hazard which, if not avoided, *could* result in death or serious injury. **CAUTION** indicates a hazard which, if not avoided, *might* result in minor or moderate injury. **CAUTION**, when used **without** the alert symbol, indicates a situation that could result in equipment damage. Follow safety messages to avoid or reduce the risk of injury or death.




 WARNING
The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.




Hazard Symbols and Meanings

		
Toxic Fumes	Operator's Manual	Electrical Shock
		
Slippery Surface	Fall	Fluid Injection
		
Fire	Explosion	Hot Surface
		
Moving Parts	Flying Objects	Kickback

Section 1: Safety Rules

 WARNING	
	<p>Running engine gives off carbon monoxide, an odorless, colorless, poison gas.</p> <p>Breathing carbon monoxide can cause nausea, fainting or death.</p> <p>Some chemicals or detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning.</p>
<ul style="list-style-type: none">• Operate pressure washer ONLY outdoors.• Keep exhaust gas from entering a confined area through windows, doors, ventilation intakes or other openings.• DO NOT operate pressure washer inside any building or enclosure, even if doors or windows are open.• Use a respirator or mask whenever there is a chance that vapors may be inhaled.• Read all instructions with mask so you are certain the mask will provide the necessary protection against inhaling harmful vapors.	


 WARNING	
	<p>Use of pressure washer can create puddles and slippery surfaces.</p>
	<p>High pressure spray could cause you to fall if you are too close to the cleaning surface.</p>
<ul style="list-style-type: none">• Keep spray nozzle between 8 to 24 inches away from cleaning surface.• Operate this unit on a stable surface.• The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.• Be extremely careful if you must use the pressure washer from a ladder, scaffolding or any other relatively unstable location.• Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when gun kicks back.	

 WARNING	
	<p>Fuel and its vapors are extremely flammable and explosive.</p>
	<p>Fire or explosion can cause severe burns or death.</p>
WHEN ADDING FUEL	
<ul style="list-style-type: none">• Turn pressure washer OFF and let it cool at least 2 minutes before removing gas cap.• Fill fuel tank outdoors.• DO NOT overfill tank. Allow space for fuel expansion.• If fuel spills, wait until it evaporates before starting engine.• Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.• DO NOT light a cigarette or smoke.	
WHEN OPERATING EQUIPMENT	
<ul style="list-style-type: none">• DO NOT tip engine or equipment at angle which causes fuel to spill.• DO NOT spray flammable liquids.	
WHEN TRANSPORTING OR REPAIRING EQUIPMENT	
<ul style="list-style-type: none">• Transport/repair with fuel tank EMPTY or with fuel shutoff valve OFF.	
WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK	
<ul style="list-style-type: none">• Store away from furnaces, stoves, water heaters, clothes dryers or other appliances that have pilot light or other ignition source because they can ignite fuel vapors.	

 WARNING	
	<p>Spray contact with electrical wiring can result in electrocution.</p>
<ul style="list-style-type: none">• Keep water spray away from electric wiring or fatal electric shock may result.	

Section 1: Safety Rules


⚠ WARNING




Rapid retraction of starter cord (kickback) will pull hand and arm toward engine faster than you can let go.
Broken bones, fractures, bruises or sprains could result.

- ALWAYS point gun in safe direction and squeeze spray gun trigger, to release pressure and avoid kickback each time, before starting engine. Engage trigger lock when not in use.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point gun in safe direction and squeeze spray gun trigger to release high pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when gun kicks back.

⚠ WARNING




Running engines produce heat. Temperature of muffler and nearby areas can reach or exceed 150°F (65°C).
Severe burns can occur on contact.



Exhaust heat/gases can ignite combustibles, structures or damage fuel tank causing a fire.

- DO NOT touch hot surfaces and avoid hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 ft. (152 cm) clearance on all sides of pressure washer including overhead.
- Code of Federal Regulation (CFR) Title 36 Parks, Forests, and Public Property require equipment powered by an internal combustion engine to have a spark arrester, maintained in effective working order, complying to USDA Forest service standard 5100-1C or later revision. In the State of California a spark arrester is required under section 4442 of the California Public resources code. Other states may have similar laws.


⚠ WARNING



Starter and other rotating parts can entangle hands, hair, clothing, or accessories.

- DO NOT wear loose clothing, jewelry or anything that may be caught in the starter or other rotating parts.
- Tie up long hair and remove jewelry.


⚠ WARNING



The high pressure stream of water that this equipment produces can pierce skin and its underlying tissues, leading to serious injury and possible amputation.
Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which can cause injury.

- NEVER aim spray gun at people, animals or plants.
- DO NOT allow CHILDREN to operate pressure washer.
- NEVER repair high pressure hose. Replace it.
- NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point gun in safe direction and squeeze spray gun trigger, to release high pressure, every time you stop engine. Engage trigger lock when not in use.


⚠ WARNING



High pressure spray can cause paint chips or other particles to become airborne.

- Always wear safety goggles when using this equipment or in vicinity of where equipment is in use.
- Before starting the pressure washer, be sure you are wearing adequate safety goggles.

⚠ WARNING



Unintentional sparking can result in fire or electric shock.

WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER

- Disconnect spark plug wire from spark plug and place wire where it cannot contact spark plug.

WHEN TESTING FOR ENGINE SPARK

- Use approved spark plug tester.
- DO NOT check for spark with spark plug removed.

Section 1: Safety Rules



CAUTION

Excessively high or low operating speeds increase risk of injury and damage to pressure washer.

- DO NOT tamper with governed speed.
- DO NOT operate pressure washer above rated pressure.



CAUTION

A pressure washer produces a high pressure spray which increases risk of injury and damage to unit.

- DO NOT secure spray gun in open position.
- DO NOT leave spray gun unattended while machine is running.
- NEVER use a spray gun which does not have a trigger lock or trigger guard in place and in working order.
- Always be certain spray gun, nozzles and accessories are correctly attached.

CAUTION

High pressure spray may damage fragile items including glass.

- DO NOT point spray gun at glass when in jet spray mode.
- NEVER aim spray gun at plants.

CAUTION

Improper treatment of pressure washer can damage it and shorten its life.

- If you have questions about intended use, ask dealer or contact Briggs & Stratton Power Products.
- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- Before starting pressure washer in cold weather, check all parts of the equipment to be sure ice has not formed there.
- NEVER move machine by pulling on hoses. Use handle provided on unit.
- Check fuel system for leaks or signs of deterioration, such as chafed or spongy hose, loose or missing clamps, or damaged tank or cap. Correct all defects before operating pressure washer.
- This equipment is designed to be used with Briggs & Stratton Power Products authorized parts **ONLY**. If equipment is used with parts that DO NOT comply with minimum specifications, user assumes all risks and liabilities.

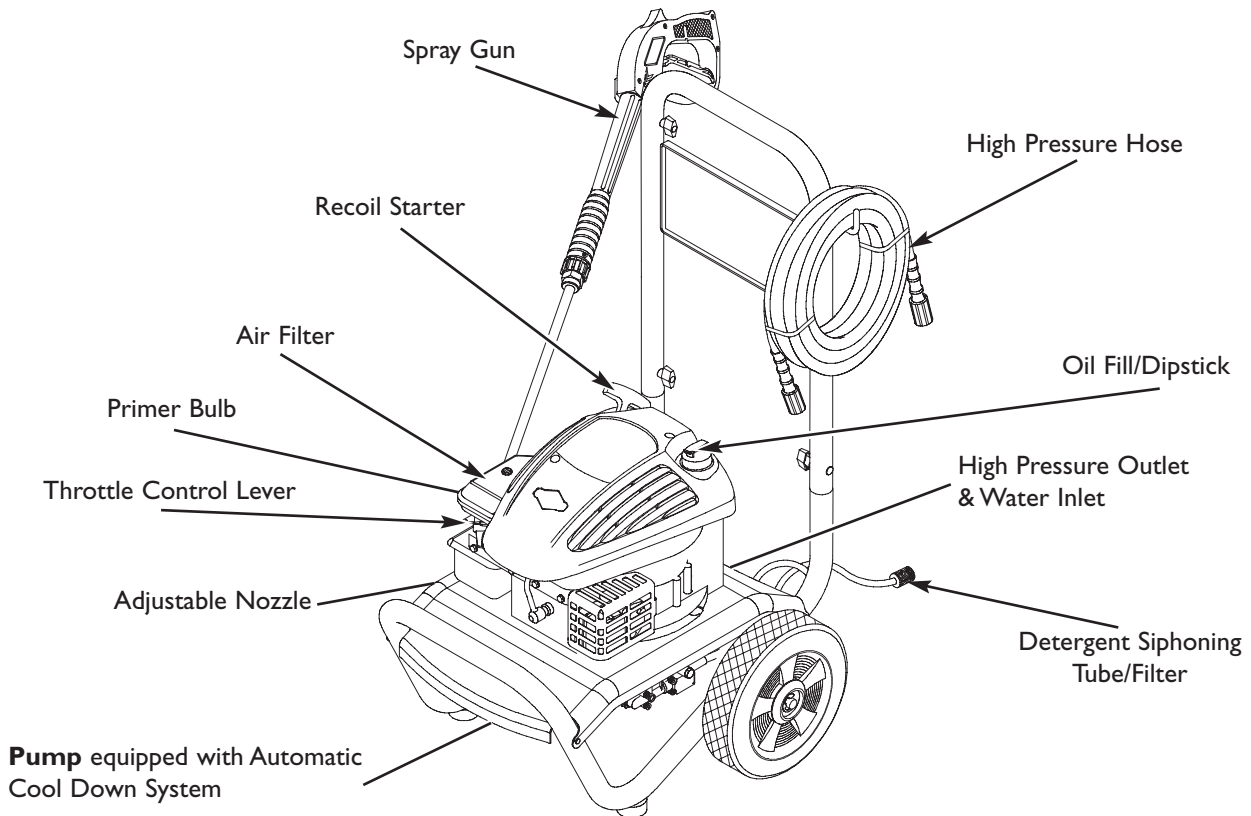
Features and Controls

KNOW YOUR PRESSURE WASHER



Read this Operator's Manual and safety rules before operating your pressure washer.

Compare the illustrations with your pressure washer to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.



Adjustable Nozzle — Always attached to nozzle extension. Adjustable nozzle allows you to adjust spray pressure and spray pattern.

Air Filter — Protects engine by filtering dust and debris out of intake air.

Automatic Cool Down System — Cycles water through pump when water reaches 125°-155°F. Warm water will discharge from pump onto ground. This system prevents internal pump damage.

Detergent Siphoning Tube/Filter — Use to siphon pressure washer safe detergents into the low pressure stream.

High Pressure Hose — Connect one end to water pump and the other end to spray gun.

High Pressure Outlet — Connection for high pressure hose.

Data Tag (not shown, near rear of base plate) — Provides model and serial number of pressure washer. Please have these readily available if calling for assistance.

Oil Fill/Dipstick — Check and fill with oil here.

Primer Bulb — Prepares a cold engine for starting.

Pump — Develops high pressure.

Recoil Starter — Used for starting the engine manually.

Spray Gun — Controls the application of water onto cleaning surface with trigger device. Includes trigger lock.

Throttle Control Lever — Sets engine in starting mode for recoil starter and stops a running engine.

Water Inlet — Connection for garden hose.

ASSEMBLY

IMPORTANT: Read entire operator's manual before you attempt to assemble or operate your new pressure washer.

Unpack the Pressure Washer

1. Remove everything from carton except pressure washer.
2. Open carton completely by cutting each corner from top to bottom.
3. Remove pressure washer from carton.

Carton Contents

Items in the carton include:

- Main Unit
- Handle
- High Pressure Hose
- Spray Gun
- Adjustable Nozzle Extension
- Oil Bottle
- Parts Bag (which includes the following):
 - Operator's Manual
 - Engine Operator's Manual
 - Safety Goggles
 - Handle Fastening Hardware Kit (which includes):
 - Carriage Bolts (2)
 - Plastic Knobs (4)
 - "L" Hooks (2)

PREPARING PRESSURE WASHER FOR USE

If you have any problems with the assembly of your pressure washer or if parts are missing or damaged, call the pressure washer helpline at **1-800-743-4115**. If calling for assistance, please have the model, revision, and serial number from the data tag available.

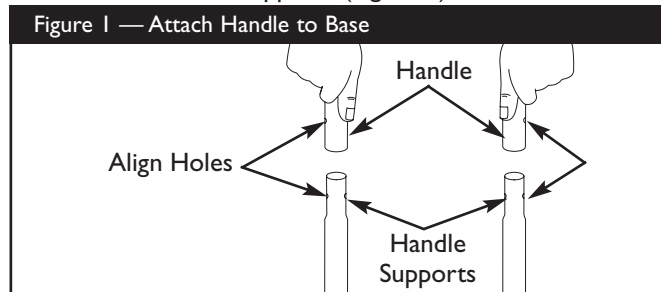
To prepare your pressure washer for operation, you will need to perform these tasks:

1. Attach handle to main unit.
2. Add oil to engine crankcase.
3. Add fuel to fuel tank.
4. Connect high pressure hose to spray gun and pump.

5. Connect water supply to pump.
6. Attach nozzle extension to spray gun.

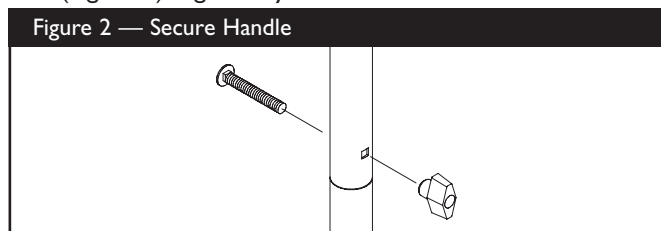
Attach Handle to Unit

1. Place handle assembly onto handle supports connected to main unit. Make sure holes in handle align with holes on handle supports (Figure 1).

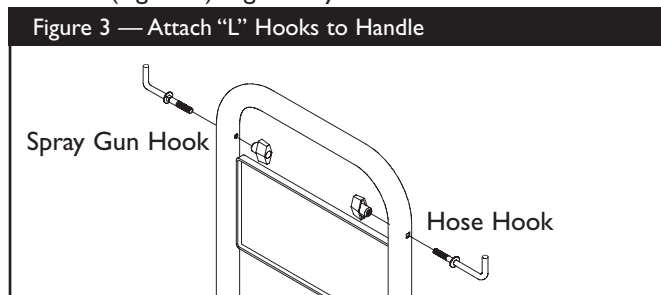


NOTE: It may be necessary to move the handle supports from side to side in order to align the handle so it will slide over the handle supports.

2. Insert carriage bolts through holes from outside of the unit and attach a plastic knob from inside of unit (Figure 2). Tighten by hand.



3. Insert one "L" hook through hole just above billboard on left side of handle (viewing from front of unit). Hold hook in place and attach a plastic knob from inside of unit (Figure 3). Tighten by hand.



4. Insert other "L" hook through hole just above billboard on right side of handle (viewing from front of unit). Hold hook in place and attach a plastic knob from inside of unit (Figure 3). Tighten by hand.

Section 3: Assembly

Add Engine Oil and Fuel

- Place pressure washer on a level surface.

CAUTION

Any attempt to crank or start the engine before it has been properly filled with the recommended oil will result in equipment failure.

- Refer to engine manual for oil and fuel fill information.
- Damage to equipment resulting from failure to follow this instruction will void warranty.

- Refer to engine operator's manual and follow oil and fuel recommendations and instructions.

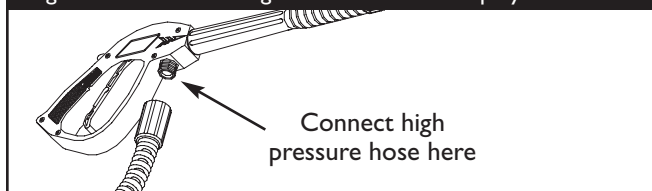
NOTE: Check oil often during engine break-in. Refer to engine operator's manual for recommendations.

Connect Hose and Water Supply to Pump

IMPORTANT: To avoid pump damage, you must assemble the nozzle extension to the spray gun and attach all hoses before you start the engine.

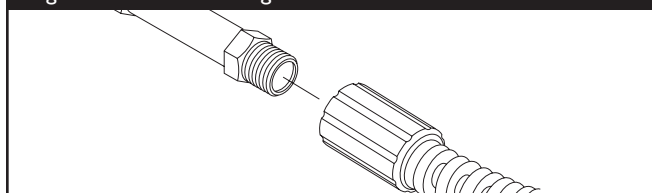
- Uncoil high pressure hose and attach one end of hose to base of spray gun (Figure 4). Tighten by hand.

Figure 4 — Connect High Pressure Hose to Spray Gun



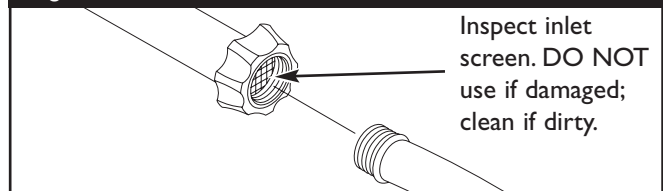
- Attach other end of high pressure hose to high pressure outlet on pump (Figure 5). Tighten by hand.

Figure 5 — Connect High Pressure Hose to Water Outlet



- Before connecting garden hose to water inlet, inspect inlet screen (Figure 6). Clean screen if it contains debris or replace if damaged. Refer to "O-Ring Maintenance" section if inlet screen is damaged. **DO NOT** run pressure washer if inlet screen is damaged.
- Run water through your garden hose for 30 seconds to clean out any debris.

Figure 6 — Connect Garden Hose to Water Inlet



IMPORTANT: **DO NOT** siphon standing water for the water supply. Use **ONLY** cold water (less than 100°F).

- Connect garden hose (not to exceed 50 feet in length) to water inlet. Tighten by hand (Figure 6).

CAUTION

There **MUST** be at least ten feet of unrestricted garden hose between the pressure washer inlet and any flow shut off device, such as a 'Y' shut-off connector or other convenience-type water shut-off valve.

- Damage to equipment resulting from failure to follow this instruction will void warranty.

- Turn **ON** water, point gun in a safe direction and squeeze trigger to purge pump system of air and impurities.



WARNING



High pressure spray can cause paint chips or other particles to become airborne.

- Always wear safety goggles when using this equipment or in vicinity of where equipment is in use.
- Before starting the pressure washer, be sure you are wearing adequate safety goggles.

Checklist Before Starting Engine

Review the unit's assembly to ensure you have performed all of the following.

- Make sure handle is in place and secure.
- Check that oil has been added to proper level in engine crankcase.
- Add proper fuel to fuel tank.
- Check for properly tightened hose connections.
- Check to make sure that there are no kinks, cuts, or damage to the high pressure hose.
- Provide a proper water supply at an adequate flow.
- Be sure to read "Safety Rules" and "How To Use Your Pressure Washer" before using the pressure washer.

HOW TO USE YOUR PRESSURE WASHER

If you have any problems operating your pressure washer, please call the pressure washer helpline at **1-800-743-4115**.

Pressure Washer Location

Pressure Washer Clearance

WARNING



Exhaust heat/gases can ignite combustibles, structures or damage fuel tank causing a fire.

- Keep at least 5 ft. (152 cm) clearance on all sides of pressure washer including overhead.

Place pressure washer outdoors. **DO NOT** place pressure washer where exhaust gas could accumulate and enter inside or be drawn into a potentially occupied building. Ensure exhaust gas is kept away from any windows, doors, ventilation intakes or other openings that can allow exhaust gas to collect in a confined area (Figure 6). Prevailing winds and air currents should be taken into consideration when positioning pressure washer.

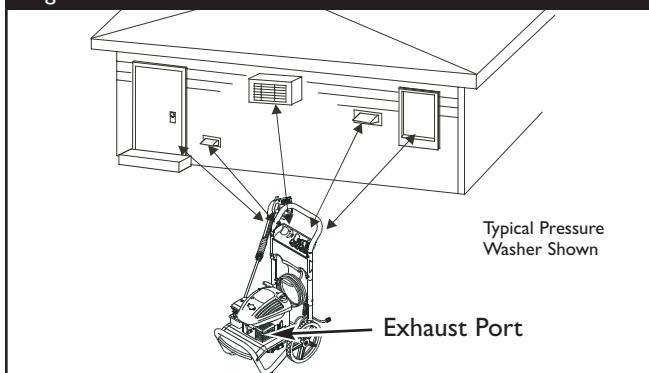
WARNING



Running engine gives off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting or death.

- Operate pressure washer **ONLY** outdoors.
- Keep exhaust gas from entering a confined area through windows, doors, ventilation intakes or other openings.
- **DO NOT** operate pressure washer inside any building or enclosure, even if doors or windows are open.

Figure 6 — Pressure Washer Clearance



How to Start Your Pressure Washer

To start your pressure washer for the first time, follow these instructions step-by-step. This starting information also applies if you have let the pressure washer sit idle for at least a day.

1. Place pressure washer near an outside water source capable of supplying water at a flow rate greater than 2.9 gallons per minute and no less than 20 PSI at pressure washer end of garden hose.
2. Check that high pressure hose is tightly connected to spray gun and pump. See “Preparing Pressure Washer for Use” for illustrations.
3. Make sure unit is in a level position.
4. Connect garden hose to water inlet on pressure washer pump.

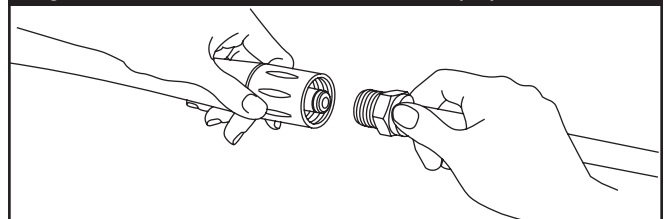
CAUTION

DO NOT run the pump without the water supply connected and turned on.

- Damage to equipment resulting from failure to follow this instruction will void warranty.

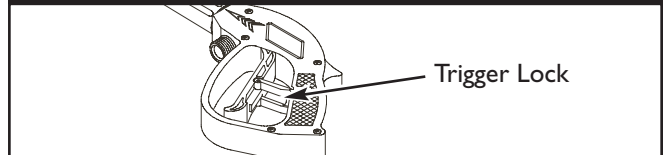
5. Turn **ON** water, point gun in a safe direction and squeeze trigger to purge pump system of air and impurities.
6. Attach nozzle extension to spray gun (Figure 7). Tighten by hand.

Figure 7 — Connect Nozzle Extension to Spray Gun



7. Engage trigger lock on spray gun trigger (Figure 8).

Figure 8 — Spray Gun with Trigger Lock Engaged



Section 4: Operation

9. When starting engine, position yourself as recommended in Figure 9 and start engine according to instructions given in engine operator's manual. Also see operating instructions tag located on the pressure washer.



WARNING

Rapid retraction of starter cord (kickback) will pull hand and arm toward engine faster than you can let go. Broken bones, fractures, bruises or sprains could result.

- ALWAYS point gun in safe direction and squeeze spray gun trigger, to release pressure and avoid kickback each time, before starting engine.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point gun in safe direction and squeeze spray gun trigger to release high pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when gun kicks back.

NOTE: Always keep the throttle lever in the “Fast” position when operating the pressure washer.

WARNING

Running engines produce heat. Temperature of muffler and nearby areas can reach or exceed 150°F (65°C). Severe burns can occur on contact. Exhaust heat/gases can ignite combustibles, structures or damage fuel tank causing a fire.

- DO NOT touch hot surfaces and avoid hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 ft. (152 cm) clearance on all sides of pressure washer including overhead.
- Code of Federal Regulation (CFR) Title 36 Parks, Forests, and Public Property require equipment powered by an internal combustion engine to have a spark arrester, maintained in effective working order, complying to USDA Forest service standard 5100-1C or later revision. In the State of California a spark arrester is required under section 4442 of the California Public resources code. Other states may have similar laws.

How to Stop Your Pressure Washer

1. Let engine idle for two minutes.
2. Turn engine off according to instructions given in engine operator's manual.
3. ALWAYS point gun in a safe direction and squeeze spray gun trigger to release retained high water pressure.

WARNING

The high pressure stream of water that this equipment produces can pierce skin and its underlying tissues, leading to serious injury and possible amputation. Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which can cause injury.

- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point gun in safe direction and squeeze spray gun trigger, to release high pressure, every time you stop engine. Engage trigger lock when not in use.

IMPORTANT: Spray gun traps high water pressure, even when engine is stopped and water is disconnected.

4. Engage trigger lock on spray gun when not in use.

Section 4: Operation

How to Use the Adjustable Nozzle

You should now know how to **START** and **STOP** your pressure washer. The information in this section will tell you how to adjust the spray pattern and to apply detergent or other cleaning chemicals.

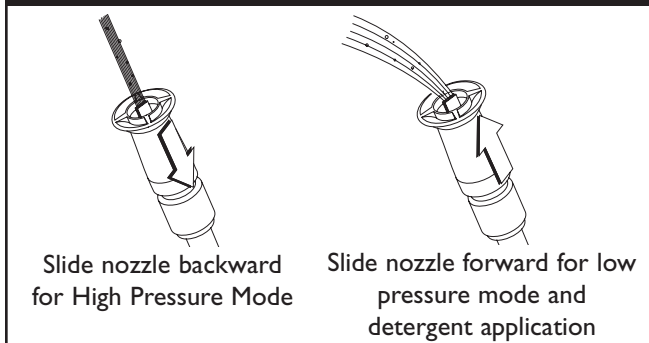
CAUTION

A pressure washer produces a high pressure spray which increases risk of injury and damage to unit.

- NEVER adjust spray pattern when spraying.
- NEVER put hands in front of nozzle to adjust spray pattern.

1. Slide nozzle forward when you wish to adjust spray to low pressure mode (Figure 10). Slide nozzle backward to achieve high pressure.

Figure 10 — Adjusting Nozzle for Pressure



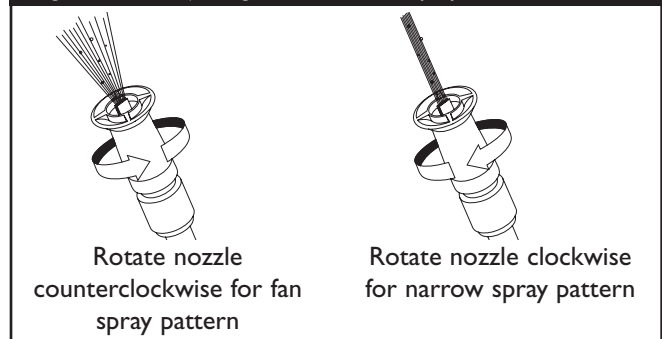
2. Point nozzle down towards a firm surface and press trigger to test pattern (Figure 11).

Figure 11 — Testing the Spray Pattern



3. Twisting nozzle adjusts spray pattern from a narrow pattern to a fan pattern (Figure 12).

Figure 12 — Adjusting the Nozzle for Spray Pattern



Usage Tips

- For most effective cleaning, keep spray nozzle from 8 to 24 inches away from cleaning surface.
- If you get spray nozzle too close, especially using high pressure mode, you may damage surface being cleaned.
- DO NOT get closer than 6 inches when cleaning tires.

Applying Detergent with the Adjustable Nozzle

IMPORTANT: Use detergents designed specifically for pressure washers. Household detergents could damage the pump.

CAUTION

You must attach all hoses before you start the engine.

- Starting the engine without all the hoses connected and without the water turned ON will damage the pump.
- Damage to equipment resulting from failure to follow this instruction will void warranty.

To apply detergent, follow these steps:

1. Review use of adjustable nozzles.
2. Prepare detergent solution as required by job.
3. Place filter end of chemical injection hose into detergent container.

CAUTION

Keep the chemical injection tube from coming in contact with the hot muffler.

- When inserting the filter into a detergent solution bottle, route the tube so as to keep it from inadvertently contacting the hot muffler.

Section 4: Operation

- Slide adjustable nozzle forward to low pressure mode. Detergent cannot be applied with nozzle in high pressure position.
- Make sure garden hose is connected to water inlet. Check that high pressure hose is connected to spray gun and pump. Start engine.
- Apply detergent to a dry surface, starting at lower portion of area to be washed and work upward, using long, even, overlapping strokes.
- Allow detergent to "soak in" for 3-5 minutes before washing and rinsing. Reapply as needed to prevent surface from drying. **DO NOT** allow detergent to dry on (prevents streaking).
- Apply a high pressure spray to a small area, then check the surface for damage. If no damage is found, it is okay to continue cleaning.
- Start at the top of the area to be rinsed, working down with same overlapping strokes as you used for washing and applying detergent.

IMPORTANT: You must flush the chemical injection system after each use by placing the filter into a bucket of clean water, then run the pressure washer in low pressure for 1-2 minutes.



Pressure Washer Rinsing

For Rinsing:

- Slide the nozzle backward to high pressure, press the trigger and wait for the detergent to clear.

NOTE: You can also stop detergent from flowing by simply removing chemical injection hose from bottle.

- Keep the spray gun a safe distance from the area you plan to spray.

 WARNING	
	High pressure spray could cause you to fall if you are too close to the cleaning surface.
<ul style="list-style-type: none">Keep spray nozzle between 8 to 24 inches away from cleaning surface.Operate this unit on a stable surface.Be extremely careful if you must use the pressure washer from a ladder, scaffolding or any other relatively unstable location.Firmly grasp spray gun with both hands when using high pressure spray to avoid injury if gun kicks back.	

Cleaning Detergent Siphoning Tube

If you used the detergent siphoning tube, you must flush it with clean water before stopping the engine.

- Place detergent siphoning tube/filter in a bucket full of clean water.
- Engage trigger lock on spray gun.
- Slide adjustable nozzle forward to low pressure position.
- Flush for 1-2 minutes.
- Shut off engine.
- ALWAYS** point gun in a safe direction and squeeze spray gun trigger to release retained high water pressure.

IMPORTANT: Spray gun traps high water pressure, even when engine is stopped and water is disconnected.

Automatic Cool Down System (Thermal Relief)

If you run the engine on your pressure washer for 3-5 minutes without pressing the trigger on the spray gun, circulating water in the pump can reach temperatures above 125°F. The system engages to cool the pump by **discharging the warm water onto the ground.**

SPECIFICATIONS

- Outlet Pressure** 2200 psi
Flow Rate 1.9 gallons per minute (gpm)
Detergent Use detergent approved for pressure washers
Water Supply Temperature Not to Exceed 100°F
Automatic Cool Down System Will cycle when water reaches 125°-155°F
Shipping Weight65 lbs.

GENERAL MAINTENANCE RECOMMENDATIONS

The pressure washer warranty does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the pressure washer as instructed in this manual.

NOTE: Should you have questions about replacing components on your Briggs & Stratton pressure washer, please call **1-800-743-4115** for assistance.

- Some adjustments will need to be made periodically to properly maintain your pressure washer.
- All maintenance in this manual and the engine operator's manual should be made at least once each season.
- Once a year you should clean or replace the spark plug, clean or replace the air filter and check the spray gun and adjustable nozzle extension assembly for wear. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer. Please refer to your engine operator's manual for more details.

Before Each Use

1. Check engine oil level.
2. Check water inlet screen for damage.
3. Check in-line filter for damage.
4. Check high pressure hose for leaks.
5. Check detergent siphoning tube/filter and filter for damage.
6. Check spray gun and adjustable nozzle extension assembly for leaks.
7. Rinse out garden hose to flush out debris.

PRESSURE WASHER MAINTENANCE


Check and Clean Inlet Screen

Examine the screen on the water inlet. Clean it if the screen is clogged or replace it if screen is damaged.

Check High Pressure Hose

The high pressure hose can develop leaks from wear, kinking, or abuse. Inspect the hose each time before using it. Check for cuts, leaks, abrasions or bulging of cover, damage or movement of couplings. If any of these conditions exist, replace the hose immediately.

⚠ WARNING



The high pressure stream of water that this equipment produces can pierce skin and its underlying tissues, leading to serious injury and possible amputation.

- NEVER repair high pressure hose. Replace it.
- Replacement hose rating MUST exceed maximum pressure rating of unit.

Check Detergent Siphoning Tube

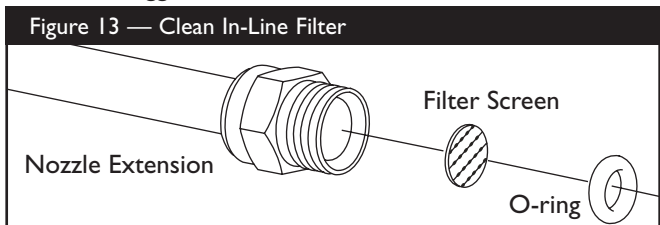
Examine the filter on the detergent tube and clean if clogged. The tube should fit tightly on the barbed fitting. Examine the tube for leaks or tears. Replace the filter or tube if either is damaged.

Check Gun and Adjustable Nozzle Extension

Examine the hose connection to the spray gun and make sure it is secure. Test the trigger by pressing it and making sure it "springs back" into place when you release it. Put the trigger lock in the **ON** position and test the trigger. You should not be able to press the trigger.

Check In-Line Filter

Refer to Figure 13 and service the in-line filter if it becomes clogged, as follows:



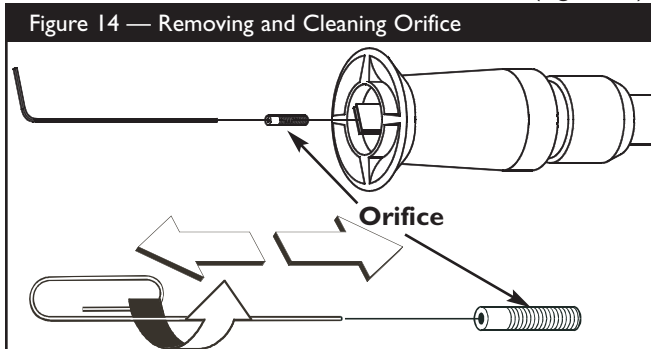
Section 5: Maintenance

1. Detach spray gun and nozzle extension from high pressure hose. Detach nozzle extension from spray gun and remove o-ring and screen from nozzle extension. Flush screen, spray gun, and adjustable nozzle extension with clean water to clear debris.
2. Place in-line filter screen into threaded end of nozzle extension. Direction does not matter. Push screen in with eraser end of pencil until it rests flat at bottom of opening. Take care not to bend the screen.
3. Place o-ring into recess. Push o-ring snugly against in-line filter screen.
4. Assemble nozzle extension to spray gun, as described earlier in manual.

Nozzle Maintenance

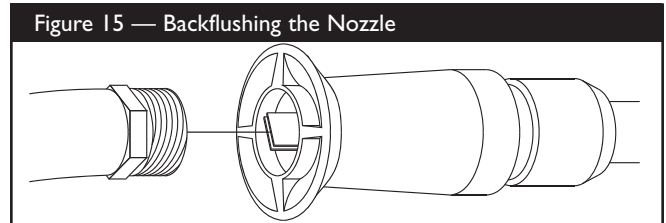
A pulsing sensation felt while squeezing the spray gun trigger may be caused by excessive pump pressure. The principal cause of excessive pump pressure is a nozzle clogged or restricted with foreign materials, such as dirt, etc. To correct the problem, immediately clean the orifice following these instructions:

1. Shut off engine and turn off water supply.
2. Remove orifice from end of nozzle extension. Separate nozzle extension from spray gun. Twist nozzle clockwise to stream position. Using a 2mm (5/64) allen wrench, remove orifice from end of nozzle extension (Figure 14).



3. Remove in-line filter from other end of nozzle extension.
4. Use a small paper clip to free any foreign material clogging or restricting orifice (Figure 14).

5. Using a garden hose, remove additional debris by back flushing water through nozzle extension (Figure 15). Back flush between 30 to 60 seconds. Turn adjustable nozzle extension to stream spray and move nozzle from low to high while flushing.



6. Reinstall orifice and in-line filter into nozzle extension. DO NOT overtighten orifice with allen wrench.
7. Reconnect nozzle extension to spray gun.
8. Reconnect water supply, turn on water, and start engine.
9. Test pressure washer by operating with nozzle in high and low positions.

O-Ring Maintenance

Purchase an O-Ring/Maintenance Kit, part number 191922GS by contacting the nearest authorized service center. It is not included with the pressure washer. This kit includes replacement o-rings, rubber washer and water inlet filter. Refer to the instruction sheet provided in the kit to service your unit's o-rings.

WARNING	
	The high pressure stream of water that this equipment produces can pierce skin and its underlying tissues, leading to serious injury and possible amputation.
• NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.	

Pump Oil Maintenance

This model does not require any pump maintenance. The pump is pre-lubricated and sealed, requiring no additional lubrication for the life of the pump.

ENGINE MAINTENANCE

See the engine operator's manual for instructions on how to properly maintain the engine.



CAUTION

Avoid prolonged or repeated skin contact with used motor oil.

- Used motor oil has been shown to cause skin cancer in certain laboratory animals.
- Thoroughly wash exposed areas with soap and water.



KEEP OUT OF REACH OF CHILDREN. DON'T POLLUTE. CONSERVE RESOURCES. RETURN USED OIL TO COLLECTION CENTERS.

PREPARING THE UNIT FOR STORAGE

Water should not remain in the unit for long periods of time. Sediments or minerals can deposit on pump parts and "freeze" pump action. If you do not plan to use the pressure washer for more than 30 days, follow this procedure:

1. Flush detergent siphoning tube/filter by placing filter into a pail of clean water while running pressure washer in low pressure mode (adjustable nozzle in forward position). Flush for one to two minutes.
2. Shut off engine and let it cool, then remove high pressure and garden hoses. Disconnect spark plug wire from spark plug.
3. Place the spray gun, nozzle extension and high pressure hose in the accessory storage bag.
4. Empty pump of all pumped liquids by pulling recoil handle about 6 times. This should remove most liquid in pump.
5. Use PumpSaver to prevent corrosion build up and freezing of pump.
6. Store unit in a clean, dry area.

Protecting the Pump

To protect the pump from damage caused by mineral deposits or freezing, use PumpSaver to treat pump. This prevents freeze damage and lubricates pistons and seals.

NOTE: PumpSaver is available as an optional accessory. It is not included with the pressure washer. Contact the nearest authorized service center to purchase PumpSaver.

To use PumpSaver, make sure the pressure washer is turned off and disconnected from supply water. Read and follow all instructions and warnings given on the PumpSaver container.

CAUTION

You must protect your unit from freezing temperatures.

- Failure to do so will permanently damage your pump and render your unit inoperable.
- Freeze damage is not covered under warranty.



CAUTION

Read and follow all cautions and warnings on the PumpSaver can label.

- Always wear eye protection when using PumpSaver.

CAUTION

PumpSaver will drip from pump after treatment and will stain wood and concrete.

- Protect surfaces from dripping PumpSaver.

NOTE: If PumpSaver is not available, draw RV antifreeze (non-alcohol) into the pump by pouring the solution into a 3-foot section of garden hose connected to inlet adapter and pulling recoil handle twice.

STORING THE ENGINE

See the engine operator's manual for instructions on how to properly prepare the engine for storage.

TROUBLESHOOTING

Problem	Cause	Correction
Pump has following problems: failure to produce pressure, erratic pressure, chattering, loss of pressure, low water volume.	<ol style="list-style-type: none"> 1. Nozzle in low pressure mode. 2. Water inlet is blocked. 3. Inadequate water supply. 4. Inlet hose is kinked or leaking. 5. Clogged inlet hose strainer. 6. Water supply is over 100°F. 7. High pressure hose is blocked or leaks. 8. Gun leaks. 9. Orifice is obstructed. 10. Pump is faulty. 	<ol style="list-style-type: none"> 1. Pull nozzle backward for high pressure mode. 2. Clear inlet. 3. Provide adequate water flow. 4. Straighten inlet hose, patch leak. 5. Check and clean inlet hose strainer. 6. Provide cooler water supply. 7. Clear blocks in outlet hose. 8. Replace gun. 9. Clean orifice. 10. Contact local service facility.
Detergent fails to mix with spray.	<ol style="list-style-type: none"> 1. Detergent siphoning tube is not submerged. 2. Detergent filter is clogged or cracked. 3. Dirty in-line filter. 4. Nozzle is in high pressure mode. 	<ol style="list-style-type: none"> 1. Insert detergent siphoning tube into detergent. 2. Clean or replace filter/detergent siphoning tube. 3. See "Check In-Line Filter". 4. Push nozzle forward for low pressure mode.
Engine runs good at no-load but "bogs" when load is added.	Engine speed is too slow.	Move throttle control to FAST position. If engine still "bogs down", contact Briggs and Stratton service facility.
Pressure washer stops during operation.	Out of fuel.	Fill fuel tank.

Notes

BRIGGS & STRATTON POWER PRODUCTS GROUP, LLC PRESSURE WASHER OWNER WARRANTY POLICY

Effective December 1, 2005 replaces all undated Warranties and all Warranties dated before December 1, 2005

LIMITED WARRANTY

Briggs & Stratton Power Products Group, LLC will repair or replace, free of charge, any part(s) of the pressure washer that is defective in material or workmanship or both. Transportation charges on product submitted for repair or replacement under this warranty must be borne by purchaser. This warranty is effective for the time periods and subject to the conditions stated below. For warranty service, find the nearest Authorized Service Dealer in our dealer locator map at www.briggspowerproducts.com.

THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM PURCHASE, OR TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW. Some states or countries do not allow limitations on how long an implied warranty lasts, and some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

WARRANTY PERIOD

Consumer Use	1 year
Commercial Use	90 days

The warranty period begins on the date of purchase by the first retail consumer or commercial end user, and continues for the period of time stated above. "Consumer use" means personal residential household use by a retail consumer. "Commercial use" means all other uses, including use for commercial, income producing or rental purposes. Once equipment has experienced commercial use, it shall thereafter be considered as commercial use for purposes of this warranty.

NO WARRANTY REGISTRATION IS NECESSARY TO OBTAIN WARRANTY ON BRIGGS & STRATTON PRODUCTS. SAVE YOUR PROOF OF PURCHASE RECEIPT. IF YOU DO NOT PROVIDE PROOF OF THE INITIAL PURCHASE DATE AT THE TIME WARRANTY SERVICE IS REQUESTED, THE MANUFACTURING DATE OF THE PRODUCT WILL BE USED TO DETERMINE THE WARRANTY PERIOD.

ABOUT YOUR WARRANTY

We welcome warranty repair and apologize to you for being inconvenienced. Any Authorized Service Dealer may perform warranty repairs. Most warranty repairs are handled routinely, but sometimes requests for warranty service may not be appropriate. For example, warranty service would not apply if equipment damage occurred because of misuse, lack of routine maintenance, shipping, handling, warehousing or improper installation. Similarly, the warranty is void if the manufacturing date or the serial number on the pressure washer or engine has been removed or the equipment has been altered or modified. During the warranty period, the Authorized Service Dealer, at its option, will repair or replace any part that, upon examination, is found to be defective under normal use and service. This warranty will not cover the following repairs and equipment:

- **Normal Wear:** Outdoor Power Equipment, like all mechanical devices, needs periodic parts and service to perform well. This warranty also does not cover normal maintenance such as air filters, adjustments, fuel system cleaning and obstruction (due to chemical, lime, dirt, and so forth).
- **Installation and Maintenance:** This warranty does not apply to equipment or parts that have been subjected to improper or unauthorized installation or alteration and modification, misuse, negligence, accident, overloading, overspeeding, improper maintenance, repair or storage so as, in our judgment, to adversely affect its performance and reliability. This warranty also does not cover normal maintenance such as air filters, adjustments, fuel system cleaning and obstruction (due to chemical, lime, dirt, and so forth).
- **Other Exclusions:** This warranty excludes wear items such as quick couplers, seals, o-rings, pumps that have been run without water supplied or damage or malfunctions resulting from accidents, abuse, modifications, alterations, or improper servicing or freezing or chemical deterioration. Accessory parts, such as guns, hoses, nozzle extensions (wands), and nozzles, are excluded from the product warranty. This warranty excludes used, reconditioned, and demonstration equipment and failures due to acts of God and other force majeure events beyond the manufacturers control.

BRIGGS & STRATTON POWER PRODUCTS GROUP, LLC
JEFFERSON, WI, USA