

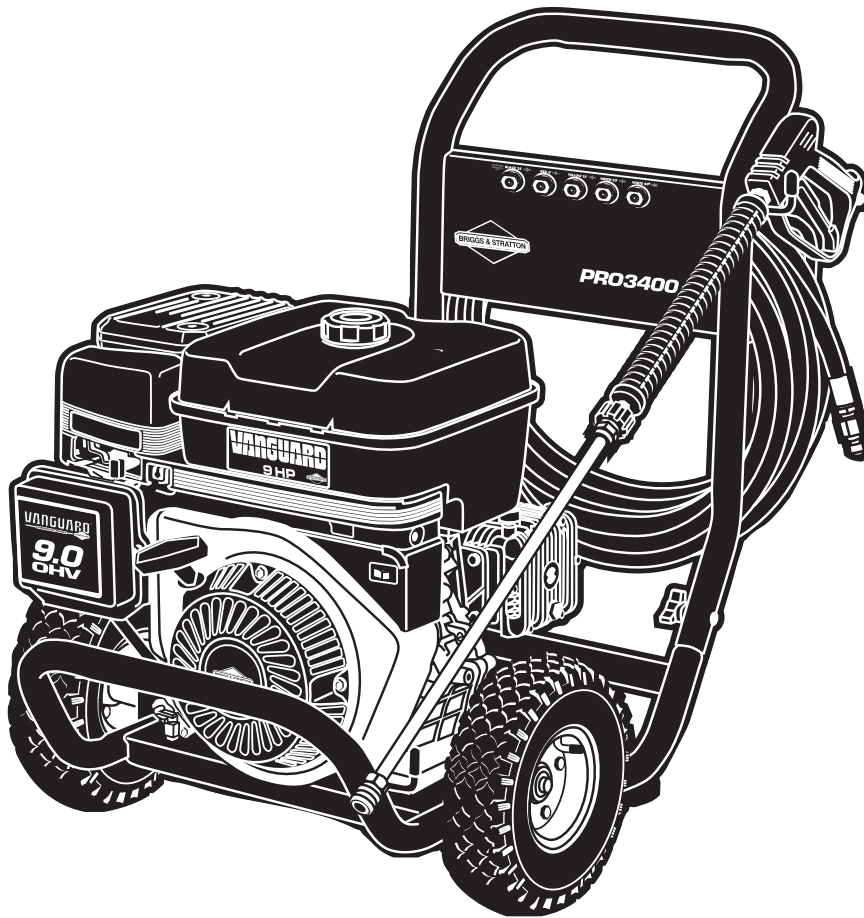


# PRESSURE WASHER LAVADOR A PRESIÓN

Operator's Manual  
Manual del Operario

Model / Modelo

**PRO3400**  
**01988-1**



## WARNING

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



## ADVERTENCIA

Antes de utilizar el producto, lea este manual y siga todas las Reglas de Seguridad e Instrucciones de Uso.

Questions? Help is just a moment away!  
Preguntas? La ayuda es justa un momento lejos!

Call: **Pressure Washer Helpline**

Llame: **Línea Directa del Lavador a Presión**

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

web: [www.briggsandstratton.com](http://www.briggsandstratton.com)

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

Manual No. 197290GS  
Revision I (10/28/2005)



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# Safety Rules

## SAVE THESE INSTRUCTIONS

### TABLE OF CONTENTS

Section 1 - Safety Rules . . . . . 2-5  
 Section 2 - Features and Controls . . . . . 6  
 Section 3 - Assembly . . . . . 7-9  
 Section 4 - Operation . . . . . 10-13  
 Section 5 - Product Specifications. . . . . 14  
 Section 5 - Maintenance. . . . . 14-15  
 Section 6 - Storage . . . . . 16  
 Section 7 - Troubleshooting. . . . . 17  
 Notes . . . . . 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 high pressure washer that operates at 3,400 PSI at a flow rate of 3.2 gallons per minute. This powerful, high quality system features large 12” wheels, a pump equipped with an automatic cool down system, chemical injection system, nozzle extension with quick connect nozzles, safety goggles, heavy duty 50’ high pressure 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.




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




### Hazard Symbols and Meanings



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

# Section 1: Safety Rules

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


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

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

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

# 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.

**⚠ 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 eye protection when using this equipment or in vicinity of where equipment is in use.

**⚠ 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 high pressure hose. 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.

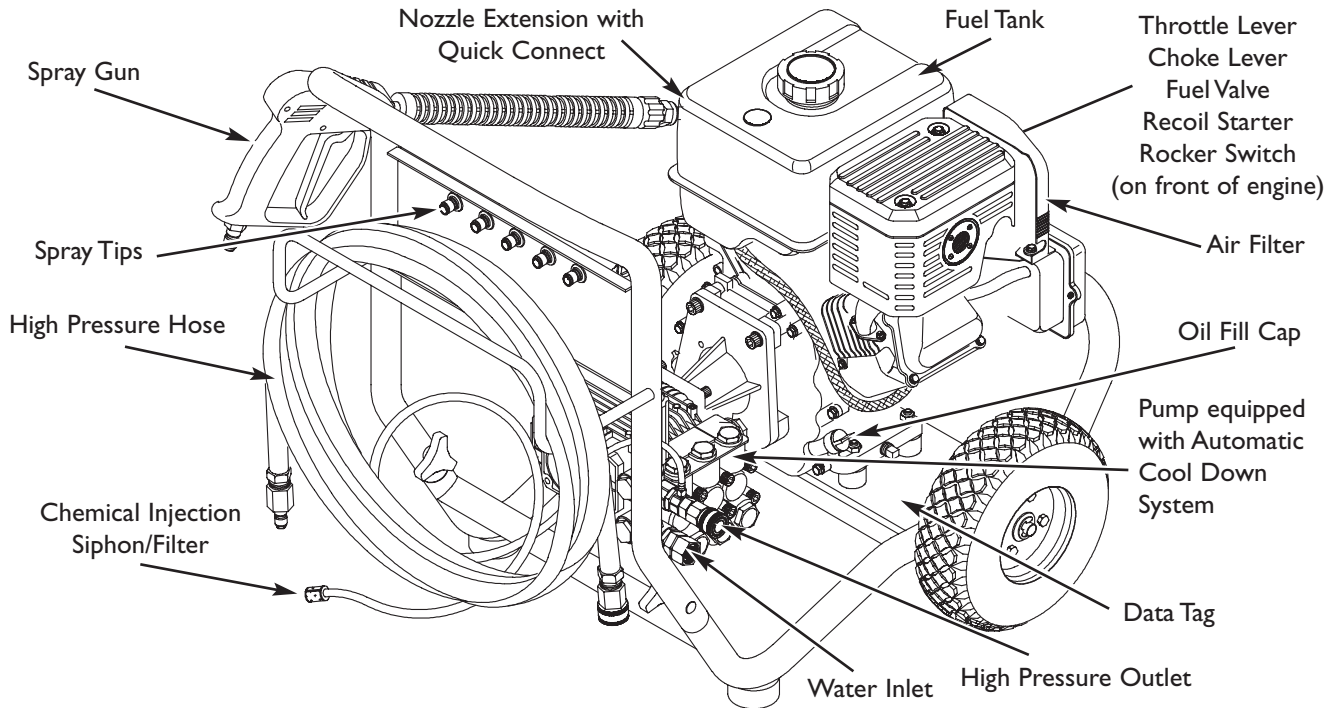
## Features and Controls

### 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.



**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.

**Chemical Injection Siphon/Filter** — Use to siphon detergent or other pressure washer chemicals into the low pressure stream.

**Choke Lever** — Prepares a cold engine for starting.

**Data Tag** — Provides model, revision and serial number of pressure washer. Please have these readily available if calling for assistance.

**Fuel Tank** — Fill tank with regular unleaded fuel. Always leave room for fuel expansion.

**Fuel Valve** — Used to turn fuel on and off to engine.

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

**High Pressure Outlet** — To connect high pressure hose.

**Nozzle Extension with Quick Connect** — Allows you to switch between five different spray tips.

**Oil Fill Cap** — Fill engine with oil here.

**Pump** — Develops high pressure.

**Recoil Starter** — Use for starting the engine manually.

**Rocker Switch** — Set this switch to "On" before using recoil starter. Set switch to "Off" to switch off engine.

**Safety Goggles (not shown)** — Always use the enclosed goggles or other eye protection when running your pressure washer.

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

**Spray Tips** — Chemical injection, 0°, 15°, 25°, and 40°: for various high pressure cleaning applications.

**Throttle Lever** — Sets engine in starting mode for recoil starter.

**Water Inlet** — Connect garden hose here.

## ASSEMBLY

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

### Remove Pressure Washer From Carton

- Remove the high pressure hose, handle, and parts box included with pressure washer.
- Slice two corners at the end of carton from top to bottom so the panel can be folded down flat, then remove all packing material.
- Roll pressure washer out of carton.

### Carton Contents

#### Items in the carton include:

- Main unit
- High pressure hose
- Handle
- Engine oil
- Safety goggles
- Spray gun with quick connect fitting
- Nozzle extension with quick connect fitting
- Accessory bag (includes the following):
  - Owner's registration card
  - Bag containing 5 multi-colored quick connect spray tips
  - Maintenance kit
  - Operator's manual
  - Engine operator's manual
  - Handle Fastening Hardware Kit (which includes):
    - Carriage Bolts (2)
    - Plastic Knobs (2)

If any of the above parts are missing or damaged, call the pressure washer helpline at **1-800-743-4115**.

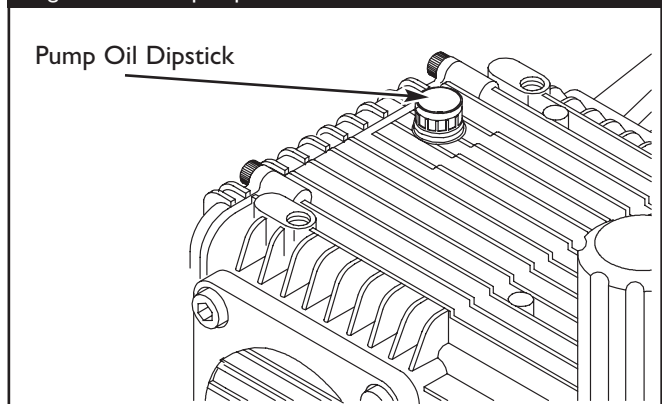
## PREPARING PRESSURE WASHER FOR USE

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**.

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

1. Fill out and send in registration card.
2. Verify oil dipstick has been installed into pump (Figure 1).

Figure 1 — Pump Dipstick

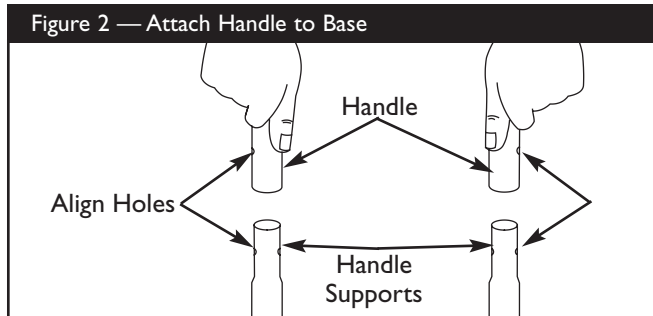


3. Attach handle to main unit.
4. Add oil to engine.
5. Add fuel to fuel tank.
6. Connect high pressure hose to spray gun and pump.
7. Connect water supply to pump.
8. Connect nozzle extension to spray gun.
9. Select/attach quick connect spray tip to nozzle extension.

## Section 3: Assembly

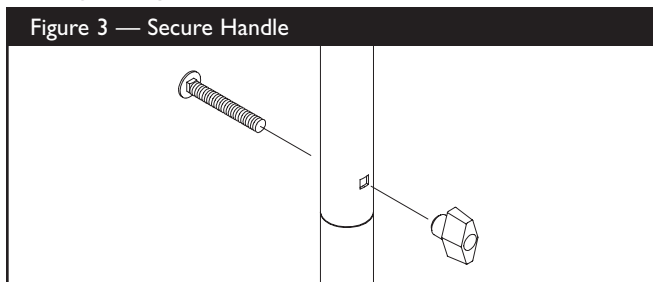
### Attach Handle

1. Place handle assembly onto handle supports connected to main unit. Make sure holes in handle align with holes on handle supports (Figure 2).



**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 unit and attach plastic knob from inside of unit (Figure 3). Tighten by hand.



3. Insert multi-colored spray tips in spaces provided in handle.

### Add Engine Oil and Fuel

- Place pressure washer on a level surface.
- Refer to engine operator's manual and follow oil and fuel recommendations and instructions.

#### 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 operator's manual for oil and fuel fill information.
- Damage to equipment resulting from failure to follow this instruction will void warranty.

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

### Connect Hose and Water Supply to Pump

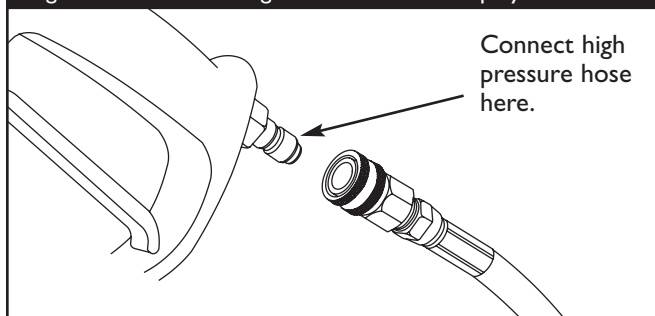
**IMPORTANT:** To avoid pump damage, you must assemble the nozzle extension to the spray gun and attach all hoses before you start the engine.

1. Uncoil high pressure hose and attach quick connect end of hose to base of spray gun (Figure 4). Pull down on collar of quick connect, slide onto spray gun and let go of collar. Tug on hose to be sure of a tight connection.



## Section 3: Assembly

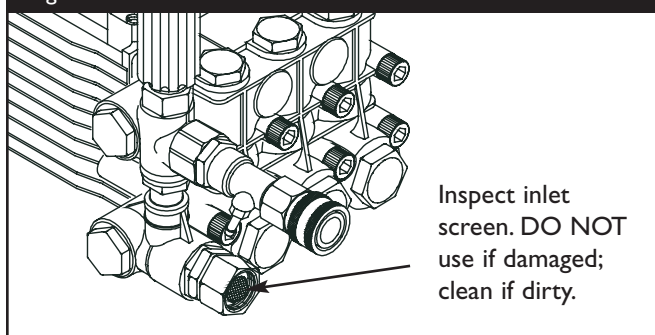
Figure 4 — Connect High Pressure Hose to Spray Gun



**NOTE:** Remove and discard all pump shipping caps before attaching hoses.

2. Similarly, attach other end of high pressure hose to the high pressure outlet on pump. Pull down on collar of quick connect, slide onto pump and let go of collar. Pull on hose to be sure of a tight connection.
3. Before connecting garden hose to water inlet, inspect inlet screen (Figure 5). Clean screen if it contains debris or replace if damaged. Refer to the section “O-Ring Maintenance” if inlet screen is damaged. **DO NOT** run pressure washer if inlet screen is damaged.

Figure 5 — Connect Garden Hose to Water Inlet



4. Run water through garden hose for 30 seconds to clean out any debris. Turn off water.

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

5. Connect garden hose (not to exceed 50 feet in length) to water inlet. Tighten by hand (Figure 5).

### 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.

6. Turn **ON** water and squeeze trigger on spray gun to purge pump system of air and debris.

### WARNING



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

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

### Checklist Before Starting Engine

Review the unit’s assembly to confirm you have performed all of the following:

1. Make sure handle is secure.
2. Make sure oil dipstick is installed into pump.
3. Check for properly tightened hose connections.
4. Check to make sure there are no kinks, cuts, or damage to high pressure hose.
5. Check that oil has been added to proper level in engine crankcase.
6. Add proper fuel to fuel tank.
7. Provide a proper water supply (not to exceed 100°F).
8. Be sure to read “Safety Rules” and “How To Use Your Pressure Washer” before using pressure washer.

## HOW TO USE 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 in a well ventilated area, which will allow for removal of deadly exhaust gas. **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.



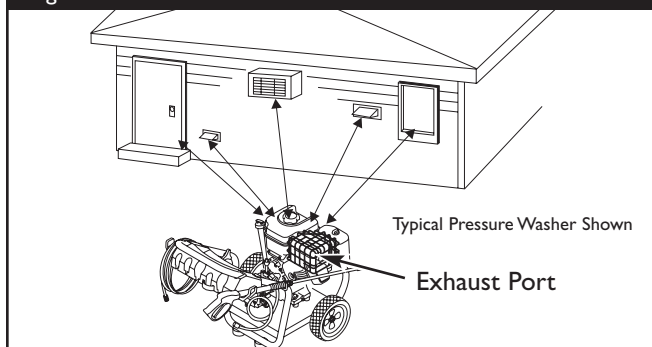
#### WARNING



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 Engine

The best way to start your pressure washer for the first time is to 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 4.2 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 level position.
4. Connect garden hose to water inlet on pressure washer pump. **Turn ON water.**

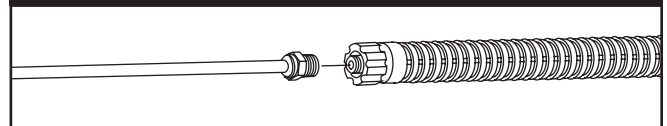
#### CAUTION

**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.

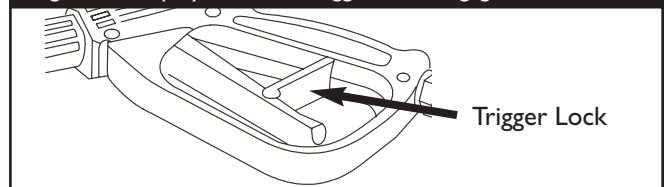
5. Squeeze spray gun trigger until a steady stream of water occurs.
6. Attach nozzle extension to spray gun (Figure 7). Tighten by hand.

Figure 7 — Connect Nozzle Extension to Spray Gun



7. Select desired quick connect spray tip and insert it into end of nozzle extension (see “How To Use Spray Tips”).
8. Engage trigger lock to 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.

Figure 9 - Recommended Starting Position



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

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

# Section 4: Operation

## How to Use Spray Tips

The nozzle extension quick-connect allows the use of several different spray tips. Each spray tip provides a different spray pattern (Figure 10).



### CAUTION

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

- NEVER exchange spray tips without locking the trigger lock on the spray gun.

### Follow these instructions to change spray tips:

1. Engage trigger lock on spray gun.
2. Pull back collar on quick-connect and pull current spray tip off.
3. Select desired spray tip:
  - For gentle rinse, select white 40° or green 25° spray tip.
  - To scour surface, select yellow 15° or red 0° spray tip.
  - To apply chemical, select black spray tip.
4. Pull back on collar; insert new spray tip and release collar. Tug on spray tip to make sure it is securely in place.
5. For most effective cleaning, keep spray tip from 8 to 24 inches away from cleaning surface.
6. DO NOT get closer than 6 inches when cleaning automobile tires.

## Cleaning and Applying Chemical

**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 spray tip use.
2. Prepare detergent solution as required by manufacturer.
3. Place chemical injection siphon/filter into detergent container.

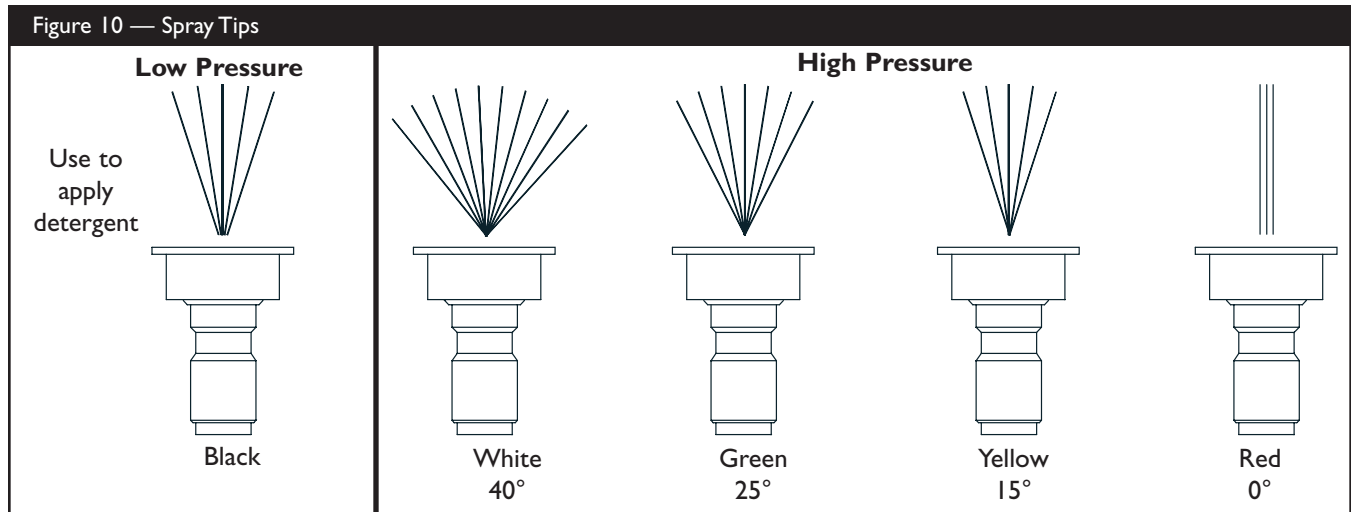
### CAUTION

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.

4. Make sure black spray tip is installed.

**NOTE:** Detergent cannot be applied with high pressure spray tips (White, Green, Yellow, or Red).



## Section 4: Operation

5. Make sure garden hose is connected to water inlet. Check that high pressure hose is connected to spray gun and pump; start engine.
6. Apply detergent to a dry surface, starting at lower portion of area to be washed and work upward, using long, even, overlapping strokes. **DO NOT** allow detergent to dry on (prevents streaking).
7. Allow detergent to soak in between 3–5 minutes before washing and rinsing. Reapply as needed to prevent surface from drying.

### Pressure Washer Rinsing

**After you have applied detergent, scour the surface and rinse it clean as follows:**

1. Apply trigger lock to spray gun.
2. Remove black chemical spray tip from nozzle extension.
3. Select and install desired high pressure spray tip following the instructions in “How to Use Spray Tips”.
4. Keep spray gun a safe distance from the area you plan to spray.



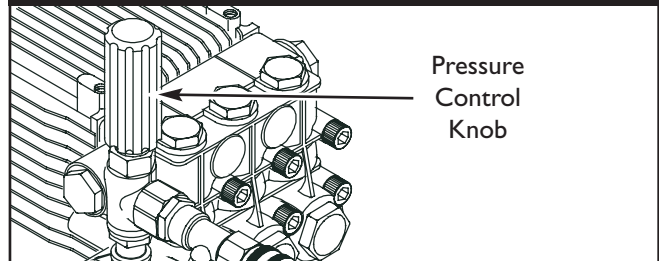
#### WARNING



High pressure spray could cause you to fall if you are too close to the cleaning surface.

- 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.
5. Increase or decrease spray pressure by turning pressure control knob counterclockwise or clockwise respectively (Figure 11). Use lower pressure to wash items such as a car or boat. Use higher pressure to strip paint and degrease driveways.

Figure 11 — Pressure Control Knob



6. Apply high pressure spray to small area and then check surface for damage. If no damage is found, you can assume it is okay to continue cleaning.
7. Start at top of area to be rinsed, working down with same overlapping strokes as used for cleaning.

### Cleaning Detergent Siphoning Tube

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

1. Place chemical injection siphon/filter in a bucket full of clean water.
2. Attach black low pressure spray tip.
3. Flush for 1-2 minutes.
4. Shut off engine.

**IMPORTANT:** Simply shutting **OFF** engine will not release pressure in the system. **When the engine has shut down, squeeze the trigger on the spray gun to relieve the pressure in the hose.**

### 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

<b>Rated Pressure</b>	..... 3,400 PSI
<b>Flow Rate</b>	..... 3.2 gallons per minute (gpm)
<b>Detergent</b>	Use detergent approved for pressure washers
<b>Water Supply Temperature</b>	..... Not to exceed 100°F
<b>Automatic Cool Down System</b>	..... Will cycle when water reaches 125°-155°F
<b>Shipping Weight</b>	..... 135 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 pressure washer, please call **1-800-743-4115** for assistance.

- Some adjustments will need to be made periodically to properly maintain your high pressure washer.
- All maintenance in this manual and the engine operator's manual should be made at least once each season.
- If equipped with inflatable tires, keep the air pressure at the value marked on the tire or within 15 and 40 psi.

### 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 and filter for damage.
6. Check spray gun, nozzle extension, and nozzles 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.

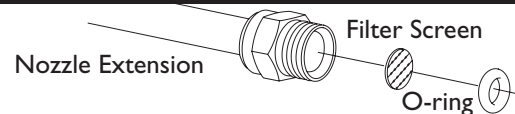
### Check Gun and Nozzle Extension

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 12 and service the in-line filter if it becomes clogged, as follows:

Figure 12 — Clean In-Line Filter



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 the screen, spray gun, and adjustable nozzle extension with clean water to clear debris.
2. If screen is damaged, the o-ring kit contains a replacement in-line filter screen and o-ring. If undamaged, reuse screen.
3. 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 to not bend screen.

## Section 5: Maintenance

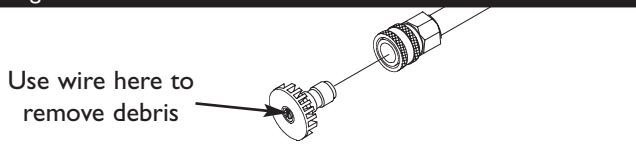
- Place o-ring into recess. Push o-ring snugly against in-line filter screen.
- Assemble nozzle extension to spray gun, as described earlier in this manual.

### 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 nozzle using the tools included with your pressure washer and follow these instructions:

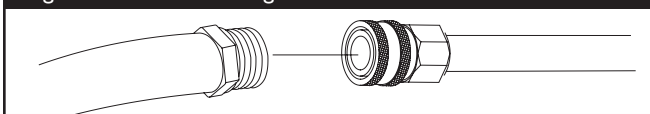
- Shut off engine and turn off water supply.
- Remove spray tip from end of nozzle extension.
- Remove in-line filter from other end of nozzle extension.
- Use wire included in kit (or a small paper clip) to free any foreign material clogging or restricting spray tip (Figure 13).

Figure 13 — Nozzle Maintenance



- Using a garden hose, remove additional debris by back flushing water through nozzle extension (Figure 14). Back flush between 30 to 60 seconds.

Figure 14 — Backflushing the Nozzle Extension



- Reinstall spray tip and in-line filter into nozzle extension.
- Reconnect nozzle extension to spray gun.
- Reconnect water supply, turn on water, and start engine.
- Test pressure washer by operating with each quick connect spray tip.

### O-Ring Maintenance

Through the normal operation of your pressure washer, o-rings, which keep the connections of the hoses and spray gun tight and leak-free, may become worn or damaged.

An O-Ring Maintenance Kit is provided with your pressure washer which 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. Note that not all of the parts in the kit will be used on your unit.



### 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.

To remove a worn or damaged o-ring; use a small flathead screwdriver to get underneath the o-ring and pry it off.

### Pump Maintenance

#### Changing Pump Oil

Change oil after first 50 hours of operation and then every 200 hours or 3 months, whichever occurs first.

**NOTE:** When changing pump oil, use only high quality nondetergent 30 weight oil. Use no special additives.

#### Change pump oil as follows:

- Clean area around brass oil drain plug at bottom of pump.
- Remove oil drain plug. Drain oil completely into an approved container.
- When oil has completely drained, install oil drain plug and tighten firmly.
- Clean area around pump oil dipstick. Remove dipstick and fill pump with recommended oil to "Full" mark on dipstick.
- Install pump oil dipstick.
- Wipe up any spilled oil.

## 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 chemical injection hose by placing filter into a pail of clean water while running pressure washer in low pressure mode. 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. Empty pump of liquids by pulling engine recoil handle about 6 times. This should remove most liquid from pump.
4. Use pump saver to prevent corrosion build up and freezing of pump.
5. 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
<b>Pump has following problems: failure to produce pressure, erratic pressure, chattering, loss of pressure, low water volume.</b>	<ol style="list-style-type: none"> <li>1. Low pressure spray tip installed.</li> <li>2. Water inlet is blocked.</li> <li>3. Inadequate water supply.</li> <li>4. Inlet hose is kinked or leaking.</li> <li>5. Clogged inlet hose strainer.</li> <li>6. Water supply is over 100°F.</li> <li>7. High pressure hose is blocked or leaks.</li> <li>8. Gun leaks.</li> <li>9. Spray tip is obstructed.</li> <li>10. Pump is faulty.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace spray tip with high pressure spray tip.</li> <li>2. Clear inlet.</li> <li>3. Provide adequate water flow.</li> <li>4. Straighten inlet hose, patch leak.</li> <li>5. Check and clean inlet hose strainer.</li> <li>6. Provide cooler water supply.</li> <li>7. Clear blocks in outlet hose.</li> <li>8. Replace gun.</li> <li>9. Clean spray tip.</li> <li>10. Contact authorized service facility.</li> </ol>
<b>Detergent fails to mix with spray.</b>	<ol style="list-style-type: none"> <li>1. Detergent siphoning tube is not submerged.</li> <li>2. Chemical filter is clogged or cracked.</li> <li>3. Dirty in-line filter.</li> <li>4. High pressure spray tip installed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Insert detergent siphoning tube into detergent.</li> <li>2. Clean or replace filter/detergent siphoning tube.</li> <li>3. See "Check In-Line Filter".</li> <li>4. Replace spray tip with low pressure spray tip.</li> </ol>
<b>Engine shuts down during operation.</b>	Out of gasoline.	Fill fuel tank.

# BRIGGS & STRATTON POWER PRODUCTS GROUP, LLC EQUIPMENT OWNER WARRANTY POLICY

## LIMITED WARRANTY

Briggs & Stratton Power Products Group, LLC will repair or replace, free of charge, any part(s) of the equipment that is defective in material or workmanship or both. Transportation charges on parts 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](http://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.

## OUR EQUIPMENT\*

OUTBOARD MOTOR	PRESSURE WASHER	WATER PUMP (Not available in the USA)	PORTABLE GENERATOR  WELDER	HOME STANDBY GENERATOR SYSTEM		
				Less than 10 KW	10 KW or greater	Transfer switch

## WARRANTY PERIOD\*\*

Consumer Use	2 years	2 years	1 year	2 years	2 years	3 years or 1500 hours	3 years
Commercial Use	none	2 years	90 days	1 year	none	none	none

\* The engine and starting batteries are warranted solely by the manufacturers of those products.

\*\* 2 years for all consumer products in the European Union. Parts only on 2nd year for consumer use of Portable Generator and Home Standby Generator System - Less than 10 KW, outside of European Union.

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 in the table 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. **Equipment used for prime power in place of utility are not applicable to this warranty. Electric powered pressure washers used for commercial purposes are not warranted.**

**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 equipment 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 does not cover repair when normal use has exhausted the life of a part or the equipment.
- **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 adjustments, fuel system cleaning and obstruction (due to chemical, dirt, carbon, lime, etc.).
- **Other Exclusions:** This warranty excludes wear items such as quick couplers, oil gauges, belts, o-rings, filters, pump packing, etc., 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, wands and nozzles are excluded from the product warranty. This warranty excludes failures due to acts of God and other force majeure events beyond the manufacturers control. Also excluded is used, reconditioned, and demonstration equipment; equipment used for prime power in place of utility power and equipment used in life support applications.