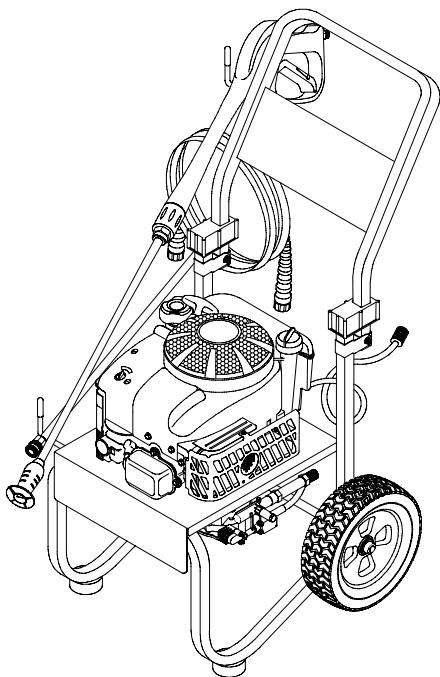
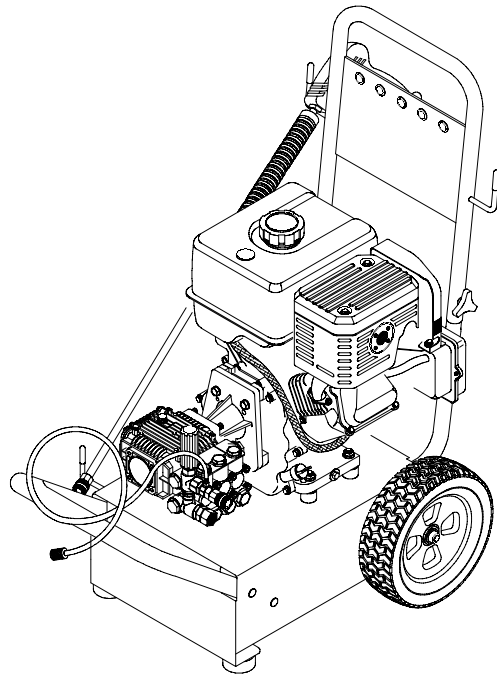




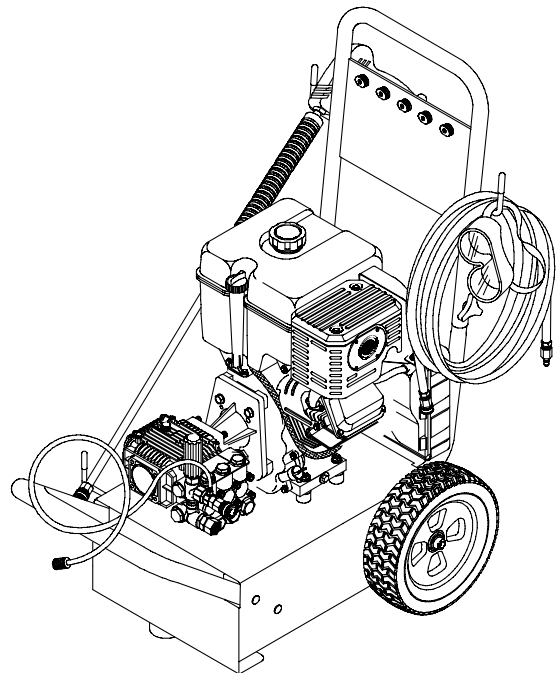
**Owner's Manual / Manuel d'utilisation / Bedienungsanleitung /
Manual do Proprietário / Manual del Propietario**



BPW2400



BPW2700



BPW3500



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EQUIPMENT DESCRIPTION



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

Briggs & Stratton reserves the right to change, alter or otherwise improve the product and this document at any time without notice.

SAFETY RULES

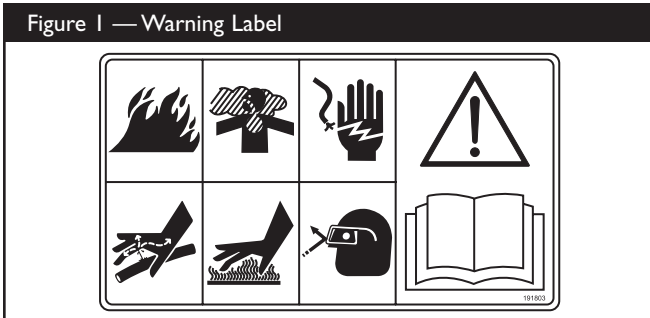


This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

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 Label and Location

A warning label (Figure 1) is provided on your unit to inform you of potential safety hazards. If the label becomes damaged or illegible, replace it by contacting your local Briggs & Stratton dealer to obtain a new one.



The icons on the warning label are shown and described in detail later in this safety section.

▲ DANGER

 Running engine gives off carbon monoxide, an odorless, colorless, poison gas.

Some chemicals or detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning.


Breathing carbon monoxide will cause nausea, fainting or death.

- Operate pressure washer **ONLY** outdoors.
- 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


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

▲ WARNING


 Spray contact with electrical wiring can result in electrocution.

- Keep water spray away from electric wiring or fatal electric shock may result.

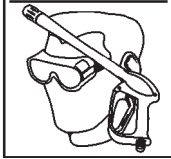
▲ WARNING

 The high pressure spray could also cause you to fall if you are too close to the cleaning surface.

Pressure in a running washer builds as you climb. When you press the trigger, the recoil from the initial spray could cause you to fall.

 Use of pressure washer can create puddles and slippery surfaces.

- Keep spray nozzle between 8 to 24 inches away from cleaning surface.
- Be extremely careful if you must use the pressure washer from a ladder, scaffolding or any other relatively unstable location.
- The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.
- Operate this unit on a stable surface.

SAFETY RULES**Pressure Washer****WARNING**

Gasoline and its vapors are extremely flammable and explosive.



Fire or explosion can cause severe burns or death.

WHEN ADDING FUEL

- 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.
- Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources.
- DO NOT light a cigarette or smoke.

WHEN OPERATING EQUIPMENT

- DO NOT tip engine or equipment at angle which causes gasoline to spill.
- DO NOT spray flammable liquids.

WHEN TRANSPORTING OR REPAIRING EQUIPMENT

- Transport/repair with fuel tank EMPTY or with fuel shutoff valve OFF.

WHEN STORING GASOLINE OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters, clothes dryers or other appliances that have pilot light or other ignition source because they can ignite gasoline vapors.

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 aim the spray gun at people, animals or plants.
- DO NOT allow CHILDREN to operate the pressure washer.
- NEVER repair high pressure hose. Replace it.

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.

- DO NOT touch hot surfaces.
- Allow equipment to cool before touching.

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

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

- Always wear eye protection when you use this equipment or when you are in the vicinity where the equipment is in use.

WARNING

Unintentional sparking can result in fire or electric shock.

**WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER**

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

CAUTION

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

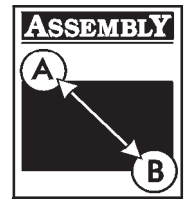
- DO NOT tamper with governed speed.
- DO NOT operate the pressure washer above the rated pressure.

CAUTION

High pressure spray may damage fragile items including glass.

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

In the State of California a spark arrester is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. If you equip the muffler with a spark arrester, it must be maintained in effective working order.



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

REMOVE PRESSURE WASHER FROM CARTON

- Remove all accessories and parts bag 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.

PREPARING PRESSURE WASHER FOR USE

If you have any problems with the assembly of your pressure washer or if parts are missing or damaged, contact the local Briggs & Stratton service center.

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

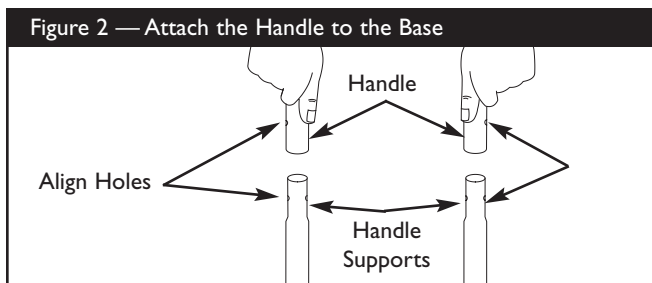
- Attach the handle to the main unit (if applicable).
- Install oil dipstick on pump (if applicable).
- Add oil to the engine.
- Add fuel to the fuel tank.
- Connect the high pressure hose to the spray gun and the pump.
- Connect the water supply to the pump.
- Connect nozzle extension to spray gun.
- Select and install desired nozzle (if applicable).

Attach the Handle to the Unit

Your pressure washer may be equipped with any of the following handles. Please see the appropriate section for your type of handle.

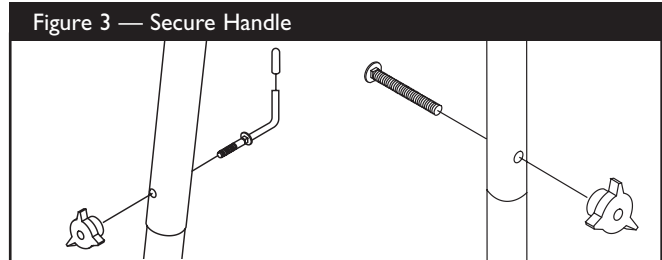
To attach a slip-over handle:

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



NOTE: It may be necessary to move the handle supports from side to side.

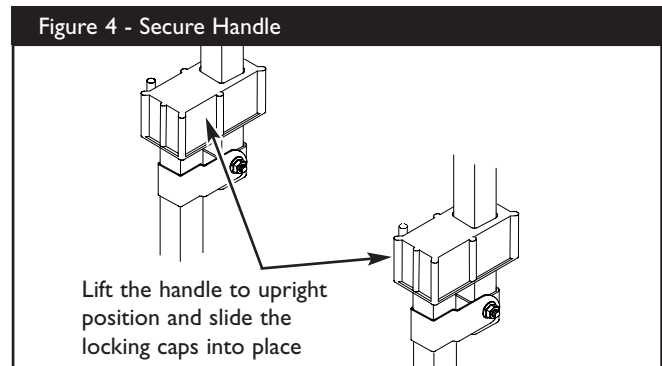
- Insert the carriage bolt through the hole on the right side of the handle (viewing from front of unit) and attach the plastic knob (Figure 3). Tighten the knob by hand.



- Insert the "L" bolt through the hole on the left side of the handle (viewing from front of unit) and attach the plastic knob (Figure 3). Tighten the knob by hand. If not installed, add the vinyl cap to the "L" bolt.
- Insert the multi-colored nozzles (if supplied) in the spaces provided in the handle.

To secure a fold down handle:

- Raise guide handle, secure in place (Figure 4).



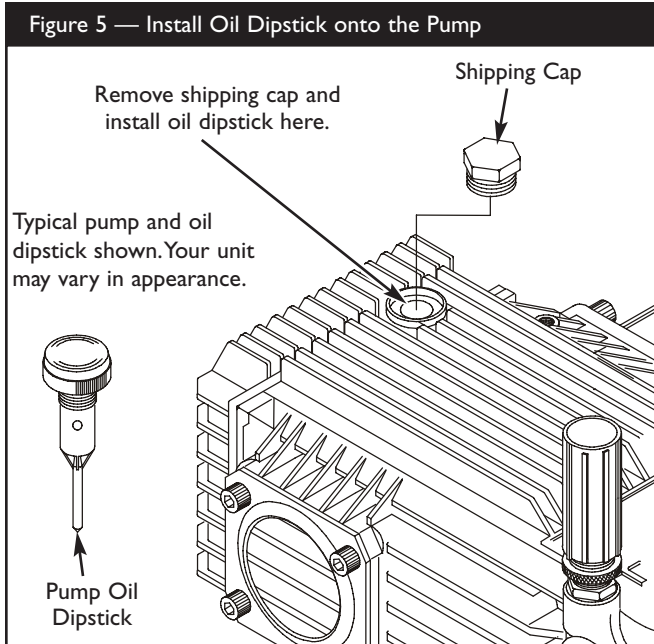
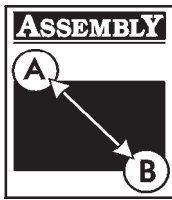
Install Oil Dipstick on Pump

NOTE: Model 01778 (2400 PSI) is NOT equipped with an oil dipstick.

CAUTION! You **MUST** remove the pumps shipping cap and install the oil dipstick (if equipped). Failure to do so will void the warranty and damage the pump.

To install the oil dipstick on Models 01779 (2700 PSI) & 01780 (3500 PSI):

- Make sure your unit is on a level surface.
- Remove and discard the shipping cap located on the pump (Figure 5).



- Install the oil dipstick.

Add Engine Oil

IMPORTANT: Any attempt to crank or start the engine before it has been properly serviced with the recommended oil may result in an engine failure.

Use only the high quality oil recommended in the engine owner's manual.

- Place the pressure washer on a level surface.
- Fill engine with oil, as described in the engine owner's manual.

NOTE: Check oil often during initial operation, as explained in the engine owner's manual.

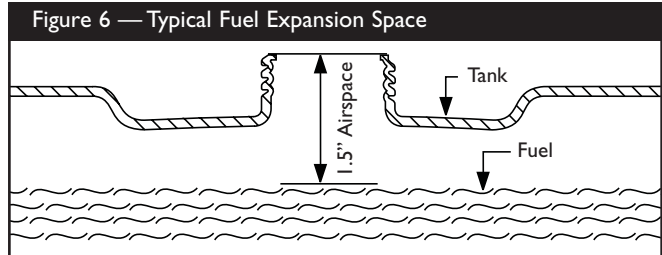
Add Gasoline

WARNING! NEVER fill fuel tank indoors. NEVER fill fuel tank when engine is running or hot. Allow unit to cool for two minutes before refueling. DO NOT light a cigarette or smoke when filling the fuel tank.

WARNING! DO NOT overfill the fuel tank. Always allow room for fuel expansion.

- Use regular **UNLEADED** gasoline with the pressure washer engine. DO NOT use alcohol-blended fuels. DO NOT mix oil with gasoline.
- Clean area around fuel fill cap, remove cap.

- Slowly add "UNLEADED" regular gasoline to fuel tank. Use a funnel to prevent spillage. Slowly fill tank to about 1.5" below the top of the filler neck (Figure 6).

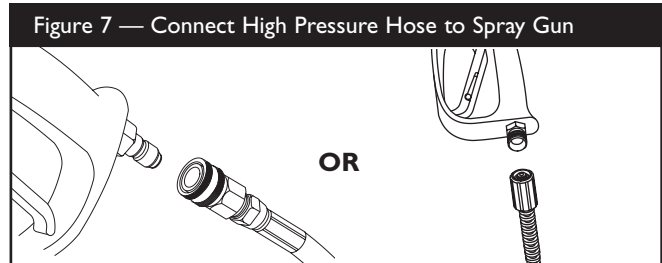


- Install fuel cap and wipe up any spilled gasoline.
- NEVER use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

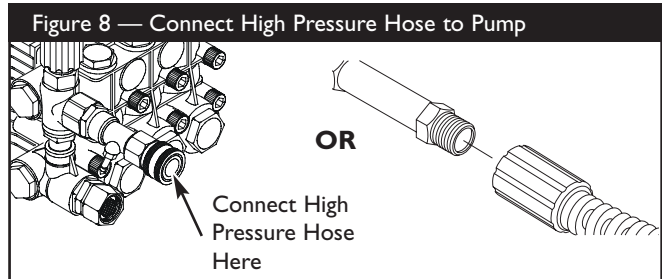
Connect Hose and Water Supply to Pump

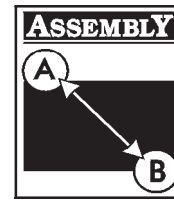
IMPORTANT: You must assemble the nozzle extension to the spray gun and attach all hoses before you start the engine. Starting engine without all hoses connected and water supplied will damage the pump.

- Uncoil the high pressure hose and attach one end of the hose to the base of the spray gun (Figure 7). Tighten by hand.

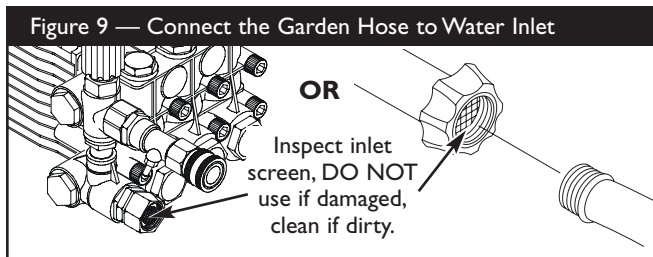


- If your unit is supplied with quick connects on the high pressure hose and spray gun, attach quick connect end of hose to the base of the spray gun (Figure 7). Pull down on the collar of the quick connect, slide onto the spray gun and let go of collar. Tug on hose to be sure of a tight connection.
- Attach the other end of the high pressure hose to the high pressure outlet on the pump (Figure 8). Tighten by hand.





- If your unit is supplied with quick connects on the high pressure hose and pump, attach the other end of the high pressure hose to the high pressure outlet on the pump (Figure 8). Pull down on the collar of the quick connect, slide onto the pump and let go of collar. Pull on hose to be sure of a tight connection.
- Place the pressure washer in an area close enough to an outside water source capable of supplying water at a flow rate greater than the rated gallons per minute shown on the pressure washer.
- Before you connect your garden hose to the water inlet, inspect the inlet screen (Figure 9). Clean the screen if it contains debris, replace if damaged. **DO NOT RUN THE PRESSURE WASHER IF THE SCREEN IS DAMAGED.**



- Run water through your 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).

- Connect the garden hose to the water inlet. Tighten by hand (Figure 9).

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 pressure washer resulting from disregarding this warning will not be covered by the warranty.

- Turn ON the water and squeeze the trigger on the gun to purge the pump system of air and debris.

CAUTION! Before starting the pressure washer, be sure you are wearing adequate eye protection.

Checklist Before Starting Engine

Review the units assembly to confirm you have performed all of the following:

- Make sure the handle is secure.
- Check for properly tightened hose connections.
- Check to make sure that there are no kinks, cuts, or damage to the high pressure hose.

- Check that oil has been added to the proper level in the engine crankcase.
- Add the proper gasoline to fuel tank.
- 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 contact the local Briggs & Stratton service center.

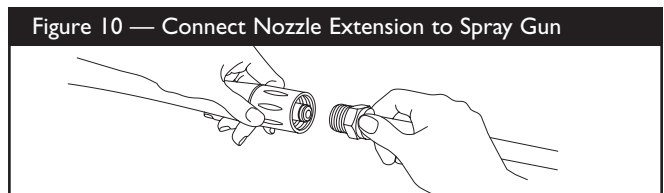
How to Start Your Pressure Washer

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.

- Make sure unit is in a level position.
- Check that the high pressure hose is tightly connected to the spray gun and to the pump. See "Preparing Pressure Washer for Use" for illustrations.
- Check that the garden hose is connected to the water inlet on the pressure washer pump. **Turn ON the water.**

CAUTION! DO NOT run the pump without the water supply connected and turned on. You must follow this caution or the pump will be damaged.

- Squeeze the trigger on the spray gun until you have a steady stream of water. This purges the pump of air and debris.
- Attach the nozzle extension to the spray gun (Figure 10). Tighten by hand.



- Apply the safety latch to the spray gun trigger (Figure 11).



- Start the engine according to the engine owner's manual.

NOTE: If the recoil starter is hard to pull, squeeze the spray gun trigger to relieve internal pump pressure.



How to Stop Your Pressure Washer

- Turn engine off according to the engine owner’s manual.
- Simply shutting off the engine will not release pressure in the system. **Squeeze trigger on the spray gun to relieve pressure in the hose.**

NOTE: A small amount of water will squirt out when you release the pressure.

HOW TO USE THE NOZZLES

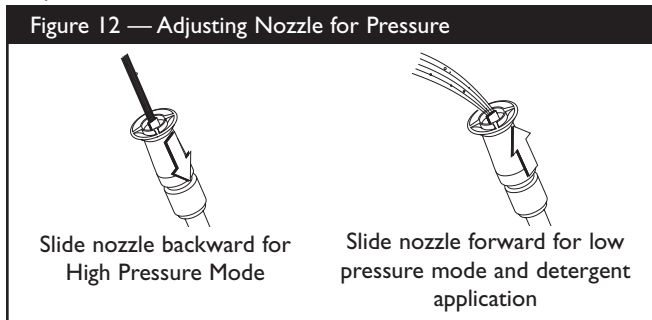
If Your Unit is Equipped with the Adjustable Nozzle

You now should know how to **START** your pressure washer and how to **STOP** it. This section tells you how to adjust the spray pattern.

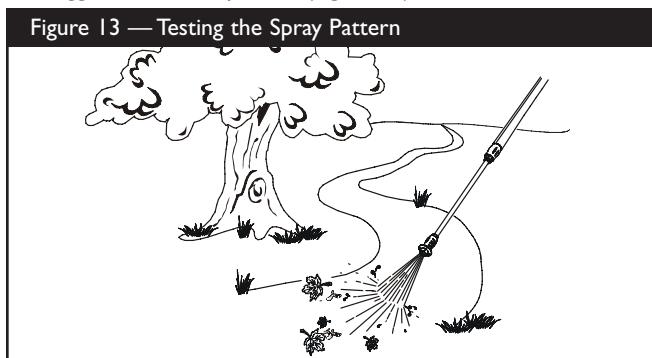
WARNING! NEVER adjust spray pattern when spraying. NEVER put hands in front of nozzle to adjust spray pattern.

If your pressure washer is equipped with an adjustable nozzle, adjust the spray pattern and spray pressure as follows:

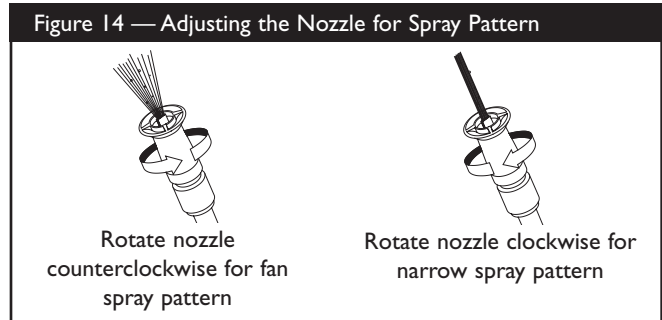
- Slide the nozzle forward to obtain low pressure mode (Figure 12). Slide the nozzle backward to achieve high pressure.



- Point the nozzle down towards a firm surface and press the trigger to test the pattern (Figure 13).



- Twisting the nozzle adjusts the spray pattern from a narrow pattern to a fan pattern (Figure 14).



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

If Your Unit is Equipped with Quick-Connect Nozzles

CAUTION! NEVER exchange nozzles without locking the safety latch on the trigger.

The quick-connect on the nozzle extension allows you to switch between several different nozzles. Each nozzle provides a different spray pattern.

Follow these instructions to change nozzles:

- Engage the safety latch on the spray gun.
- Pull back the collar on the quick-connect and pull the current nozzle off. Store the nozzle in the space provided on the handle.

NOTE: For a more gentle rinse, select the white 40° or green 25° nozzle. To scour the surface, select the yellow 15° or red 0° nozzle. To apply chemical, select the black nozzle.

- Pull back on the collar, insert the new nozzle and release the collar. Tug on the nozzle to make sure it is securely in place.
- For most effective cleaning, keep the spray nozzle between 8 to 24 inches away from the cleaning surface. If you get the spray nozzle too close, you may damage the cleaning surface.
- DO NOT get closer than 6 inches when cleaning automobile tires.

If Your Unit is Equipped with the Turbo Nozzle

The turbo nozzle rotates the high pressure stream in a rapid circular pattern. The high pressure spray is most effective when the tip of the nozzle extension is held between 8 to 24 inches from the surface being cleaned.



Always start the turbo nozzle at a distance, gradually getting closer to the surface until you get the cleaning force you want.

WARNING! The turbo nozzle produces an extremely high pressure spray which is capable of removing paint and cutting holes through surfaces if held too close. Always make sure the surface you will clean will not be damaged by the high pressure spray by testing in a hidden area.

NOTE: Detergent cannot be applied with the turbo nozzle.

Cleaning and Applying Chemical

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

To apply detergent follow these steps:

- Review the use of the nozzles.
- Prepare the detergent solution as required by the chemical manufacturer.
- Place the chemical injection siphon/filter into the detergent container.

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

- If your unit is equipped with the adjustable nozzle, slide the adjustable nozzle forward to low pressure mode. Detergent cannot be applied with the nozzle in the high pressure position.
- If your unit is equipped with quick-connect nozzles, make sure the black nozzle is installed. Detergent cannot be applied with the high pressure quick-connect nozzles (White, Green, Yellow, or Red).
- Apply the 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 the detergent to dry on (prevents streaking).
- Allow the detergent to soak in between 3–5 minutes before washing and rinsing. Reapply as needed to prevent surface from drying.

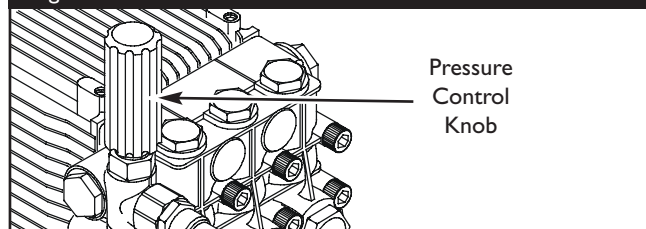
Pressure Washer Rinsing

WARNING! Be extremely careful if you must use the pressure washer from a ladder, scaffolding or any other relatively unstable location. Hose water pressure builds as you climb. When you press the trigger, the recoil from the initial spray can be very strong. The high pressure spray could cause you to fall if you are too close to the cleaning surface.

After you have applied detergent, scour the surface with the high pressure water stream and then rinse it clean, as follows:

- Apply safety latch to spray gun.
- Slide the nozzle backwards or insert a high pressure quick connect nozzle to place the pressure washer in high pressure mode. Chemical will not flow when in the high pressure mode.
- Keep the spray gun a safe distance from the area you plan to spray.
- Disengage the safety latch on the spray gun.
- If equipped, increase or decrease spray pressure by turning the pressure control knob counterclockwise or clockwise respectively (Figure 15). Use lower pressure to wash items such as a car or boat. Use higher pressure to strip paint and degrease driveways.

Figure 15 — Pressure Control Knob



- Expand the spray pattern or select the white 40° or green 25° quick connect nozzle for a more gentle rinsing action. Start at top of area to be rinsed, working down with same action as for cleaning.

CAUTION! Test a small area of the surface to be cleaned. Make sure there is no damage caused by the high pressure spray.

Cleaning Detergent Siphoning Tube

- Place the chemical injection siphon/filter in a bucket full of clean water.
- Attach the black low pressure nozzle or slide the adjustable nozzle forward to low pressure mode.
- Flush for 1-2 minutes.

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 a temperature between 125°–155°F. At this temperature, the system engages and cools the pump by **discharging the warm water onto the ground**. This system prevents internal damage to the pump.



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.

- Some adjustments will need to be made periodically to properly maintain your high pressure washer.
- All maintenance in this manual and the engine owner's manual should be made at least once each season.

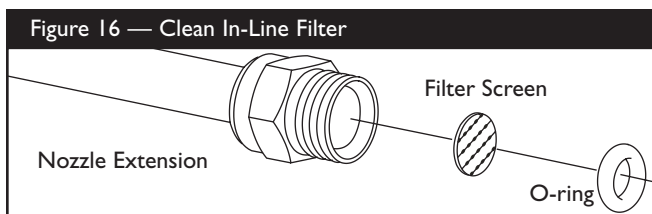
Before Each Use

- Check engine oil level.
- Check in-line filter for damage.
- Check water inlet screen for damage.
- Check high pressure hose for leaks.
- Check detergent siphoning tube and filter for damage.
- Check spray gun, nozzle extension, and nozzles for leaks.
- Rinse out garden hose to flush out debris before connecting to pressure washer.

PRESSURE WASHER MAINTENANCE

Check In-Line Filter

Refer to Figure 16 and service the in-line filter if it becomes clogged, as follows:



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 the screen is damaged, the o-ring kit contains a replacement in-line filter screen and an o-ring. If undamaged, reuse screen.
3. Place the in-line filter screen into the threaded end of the nozzle extension. Direction does not matter. Push the screen in with the eraser end of a pencil until it rests flat at the bottom of the opening. Take care to not bend the screen.

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

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! NEVER repair a high pressure hose.

Replace it with another hose that exceeds the maximum pressure rating of your pressure washer.

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 safety latch in the "On" position and test the trigger. You should not be able to press the trigger.

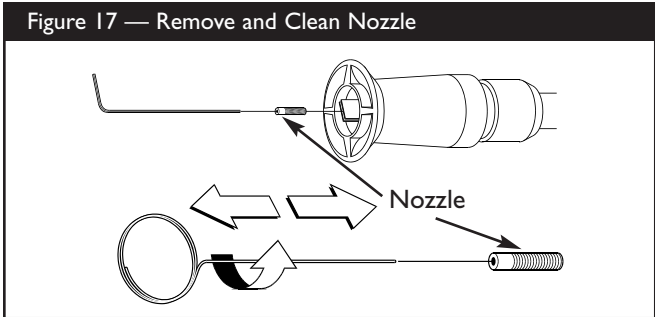
Nozzle Maintenance

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 or sand. To correct the problem, immediately clean the nozzle using the tools included with your pressure washer and follow these instructions:

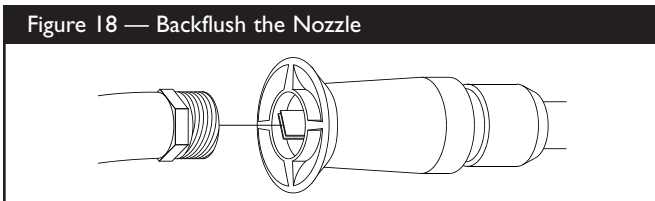
- Shut off the engine and turn off the water supply.

Adjustable nozzle:

- Detach the nozzle extension from the spray gun. Twist the nozzle clockwise to the stream position. Using the supplied 2mm (5/64) allen wrench, remove the nozzle from the end of the nozzle extension (Figure 17).



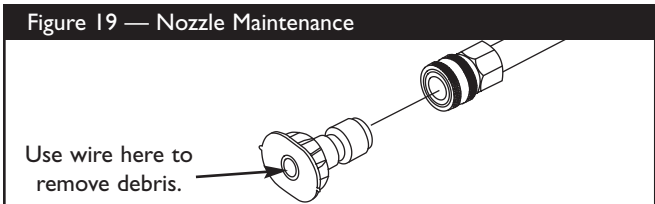
- Remove the in-line filter from the other end of the nozzle extension.
- Use the wire included in the kit (or a small paper clip) to free any foreign material clogging or restricting the nozzle (Figure 17).
- Using a garden hose, remove additional debris by back flushing water through the nozzle extension (Figure 18). Back flush between 30 to 60 seconds. Turn the adjustable nozzle extension to stream spray and move the nozzle from low to high while flushing.



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

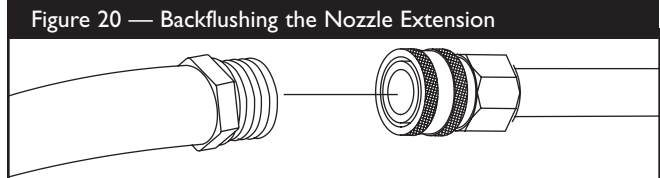
Quick-connect nozzles:

- Remove the nozzle from the end of the nozzle extension (Figure 19).



- Remove the in-line filter from the other end of the nozzle extension.
- Use the wire included in the kit (or a small paper clip) to free any foreign material clogging or restricting the nozzle (Figure 19).

- Using a garden hose, remove additional debris by back flushing water through the nozzle extension (Figure 20). Back flush between 30 to 60 seconds.



- Reinstall the nozzle and in-line filter into the nozzle extension.
- Reconnect the nozzle extension to the spray gun.
- Reconnect the water supply, turn on the water, and start the engine.
- Test the pressure washer by operating with each of the Quick Connect nozzles.

Purge Pump of Air and Contaminants

To remove air from the pump, follow these steps:

- Set up the pressure washer as described in “Preparing Pressure Washer For Use”. Connect the water supply and turn water on.
- Pull the trigger on the spray gun and hold.
- When the water supply is steady and constant, engage the safety latch.

To remove contaminants from the pump, follow these steps:

- Set up the pressure washer as described in “Preparing Pressure Washer For Use”. Connect the water supply and turn water on.
- Start the engine according to instructions in “To Start Your Pressure Washer” and the engine owner’s manual.
- Remove nozzle extension from spray gun.
- Squeeze the trigger on the spray gun and hold.
- When the water supply is steady and constant, engage the safety latch and reattach the nozzle extension.

O-Ring Maintenance

O-Rings keep the connections of the hoses and spray gun tight and leak-free. Through normal operation of the pressure washer, they 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 units o-rings. Note that not all of the parts in the kit will be used on your unit.

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

For Model 01778 (2400 PSI):

Changing Pump Oil

Change oil every 50 hours or once yearly, whichever occurs first.

NOTE: You must purchase a premeasured bottle of pump oil, Part # 190585GS, from your local servicing dealer.

Change pump oil as follows:

- Drain engine oil and fuel from pressure washer.
- Use an allen wrench to remove the black pump oil cap between the high pressure outlet and garden hose inlet.
- Tilt the pressure washer to the side to drain the oil completely from the pump into an approved container.
- Tilt the pressure washer in the opposite direction and fill the pump with the recommended oil through the same opening (a small funnel may be helpful).
- Install the black pump oil cap and tighten firmly.
- Set the pressure washer in the upright position. Add fuel and engine oil.

For Models 01779 (2700 PSI) & 01780 (3500 PSI):

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 the bottom of the 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 the “Full” mark on the dipstick.
- Install the pump oil dipstick.
- Wipe up any spilled oil.

ENGINE MAINTENANCE

See the engine owner’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 by placing the filter into a pail of clean water while running pressure washer in low pressure mode. Flush for one to two minutes.
2. Shut off the engine and let it cool, then remove all hoses. Disconnect spark plug wire from spark plug.
3. Empty the pump of all pumped liquids by pulling the recoil handle about 6 times. This should remove most of the liquid in the pump.
4. 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.
If available, use PumpSaver in place of RV antifreeze and follow package instructions.
5. Store unit in a clean, dry area.

STORING THE ENGINE

See the engine owner’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. Low pressure nozzle installed or 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. Nozzle is obstructed. 10. Pump is faulty. 	<ol style="list-style-type: none"> 1. Replace nozzle with high pressure nozzle or pull nozzle backward for high pressure. 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 or o-rings. 9. Clean nozzle. 10. Contact Briggs & Stratton service facility.
Detergent fails to mix with spray.	<ol style="list-style-type: none"> 1. Detergent siphoning tube is not submerged. 2. Chemical filter is clogged. 3. Dirty in-line filter. 4. High pressure nozzle installed or nozzle 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" on page 9. 4. Replace nozzle with low pressure nozzle or push nozzle forward for low pressure.
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.
Engine will not start; or starts and runs rough.	<ol style="list-style-type: none"> 1. Dirty air cleaner. 2. Out of gasoline. 3. Stale gasoline. 4. Spark plug wire not connected to spark plug. 5. Bad spark plug. 6. Water in gasoline. 7. Overchoking. 8. Excessively rich fuel mixture. 9. Intake valve stuck open or closed. 10. Engine has lost compression. 	<ol style="list-style-type: none"> 1. Clean or replace air cleaner. 2. Fill fuel tank. 3. Drain gas tank; fill with fresh fuel. 4. Connect wire to spark plug. 5. Replace spark plug. 6. Drain gas tank; fill with fresh fuel. 7. Open choke fully and crank engine. 8. Contact Briggs and Stratton service facility. 9. Contact Briggs and Stratton service facility. 10. Contact Briggs and Stratton service facility.
Engine shuts down during operation.	Out of gasoline.	Fill fuel tank.
Engine lacks power.	Dirty air filter.	Replace air filter.
Engine "hunts" or falters.	Choke is opened too soon.	Move choke to halfway position until engine runs smoothly.

BRIGGS & STRATTON POWER PRODUCTS OWNER POLICY Effective June 1, 2002

LIMITED WARRANTY

"Briggs & Stratton Corporation will repair or replace, free of charge, any part, or parts of the equipment** that are 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 provided for in this policy. For warranty service, find the nearest Authorized service dealer by looking at <http://www.briggspowerproducts.com>. In the USA and Canada, a 24 hour hot line, 1-800-233-3723, has a menu of pre-recorded messages. Warranty service may only be performed by a Briggs & Stratton or Generac Portable Products LLC Authorized service dealer.

THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE TIME PERIOD SPECIFIED, OR TO THE EXTENT PERMITTED BY LAW. ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. LIABILITY FOR CONSEQUENTIAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW. Some countries or states do not allow limitations on how long an implied warranty lasts, and some countries or states 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 that vary from country to country or state to state."

WARRANTY PERIOD*

Equipment **	Consumer Use	Commercial Use
Pressure Washer	1 Year	90 Days
Water Pump		
Portable Generator	2 Years (2 nd year parts only)	1 year
Home Generator System - Less than 10 KW (Includes Transfer Switch, if supplied)		
Home Generator System - 10 KW or greater (Includes Transfer Switch, if supplied)	3 years or 1500 hours	3 years or 1500 hours

* 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 been used commercially, it shall thereafter be considered to be in commercial use for purposes of this warranty.

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

WARRANTY REGISTRATION IS NOT NECESSARY TO OBTAIN WARRANTY ON BRIGGS & STRATTON POWER PRODUCTS EQUIPMENT. 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 EQUIPMENT WILL BE USED TO DETERMINE THE WARRANTY PERIOD.

About your equipment 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 following repairs and equipment:

- **Normal Wear:** Outdoor power equipment, like all mechanical devices, needs periodic parts, service and replacement 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 or lime, etc.).
- **Other Exclusions:** Also excluded from this warranty are wear items such as quick couplers, oil gauges, belts, o-rings, filters, pump packing, etc., pumps which 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. 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.

If a customer differs with the decision of the Authorized service dealer, he or she may request that the Authorized service dealer submit all supporting facts to the appropriate Briggs & Stratton or Generac Portable Products LLC Distributor for review. The Briggs & Stratton or Generac Portable Products LLC Distributor will promptly review the facts and inform the customer of the final decision. This warranty does not apply to service by any other entity.

BRIGGS & STRATTON CORPORATION, MILWAUKEE, WISCONSIN, U.S.A.