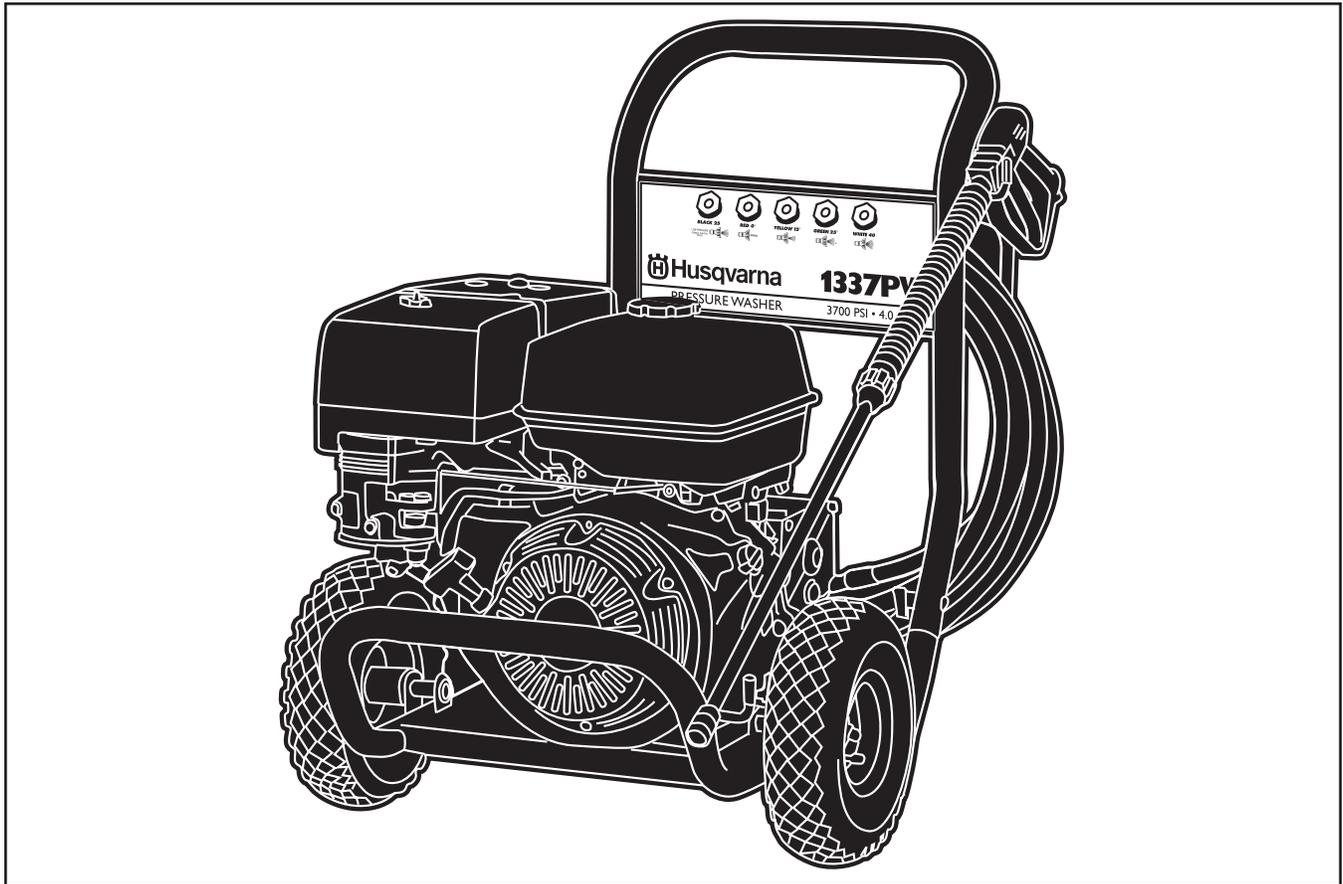


# Husqvarna



# 01906

# 1337PW

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## Owner's Manual



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



[193017GS Rev I (03/21/03)]

Part Number 531 30 01-12

# Safety Rules

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## EQUIPMENT DESCRIPTION



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

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.

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.

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

# Safety Rules

**⚠ 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**

 Spray contact with electrical wiring can result in electrocution.

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

**⚠ WARNING**

 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.

- Keep spray tip 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 if gun kicks back.

**⚠ WARNING**

 Fuel 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 fuel 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 fuel 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 FUEL OR EQUIPMENT WITH FUEL IN TANK**

- Store away from furnaces, stoves, water heaters, clothes dryers or other appliances that have a pilot light or other ignition source because they can ignite fuel 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 spray gun at people, animals or plants.
- **DO NOT** allow **CHILDREN** to operate pressure washer.
- **NEVER** repair high-pressure hose. Replace it with an equivalent rated hose.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.

# Safety Rules

 <b>WARNING</b>	
	Running engines produce heat and hot exhaust gases. Temperature of muffler and nearby areas can reach or exceed 150°F (65°C).
	Fire or severe burns can occur.
<ul style="list-style-type: none"><li>• DO NOT touch hot surfaces.</li><li>• Stay clear of exhaust gases.</li><li>• Allow equipment to cool before touching.</li></ul>	

 <b>WARNING</b>	
	Starter and other rotating parts can entangle hands, hair, clothing, or accessories.
<ul style="list-style-type: none"><li>• DO NOT wear loose clothing, jewelry or anything that may be caught in the starter or other rotating parts.</li><li>• Tie up long hair and remove jewelry.</li></ul>	

 <b>WARNING</b>	
	High pressure spray can cause paint chips or other particles to become airborne.
<ul style="list-style-type: none"><li>• Always wear eye protection when using this equipment or in vicinity of where equipment is in use.</li></ul>	

 <b>WARNING</b>	
	Unintentional sparking can result in fire or electric shock.
	
<b>WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER</b>	
<ul style="list-style-type: none"><li>• Disconnect spark plug wire from spark plug and place wire where it cannot contact spark plug.</li></ul>	

 <b>CAUTION</b>	
Excessively high or low operating speeds increase risk of injury and damage to pressure washer.	
<ul style="list-style-type: none"><li>• DO NOT tamper with governed speed.</li><li>• DO NOT operate pressure washer above rated pressure.</li></ul>	

 <b>CAUTION</b>	
A pressure washer produces a high pressure spray which increases risk of injury and damage to unit.	
<ul style="list-style-type: none"><li>• DO NOT secure spray gun in open position.</li><li>• DO NOT leave spray gun unattended while machine is running.</li><li>• NEVER use a spray gun which does not have a trigger lock or trigger guard in place and in working order.</li><li>• Always be certain spray gun, nozzles and accessories are correctly attached.</li></ul>	

<b>CAUTION</b>	
High pressure spray may damage fragile items including glass.	
<ul style="list-style-type: none"><li>• DO NOT point spray gun at glass when in jet spray mode.</li><li>• NEVER aim spray gun at plants.</li></ul>	

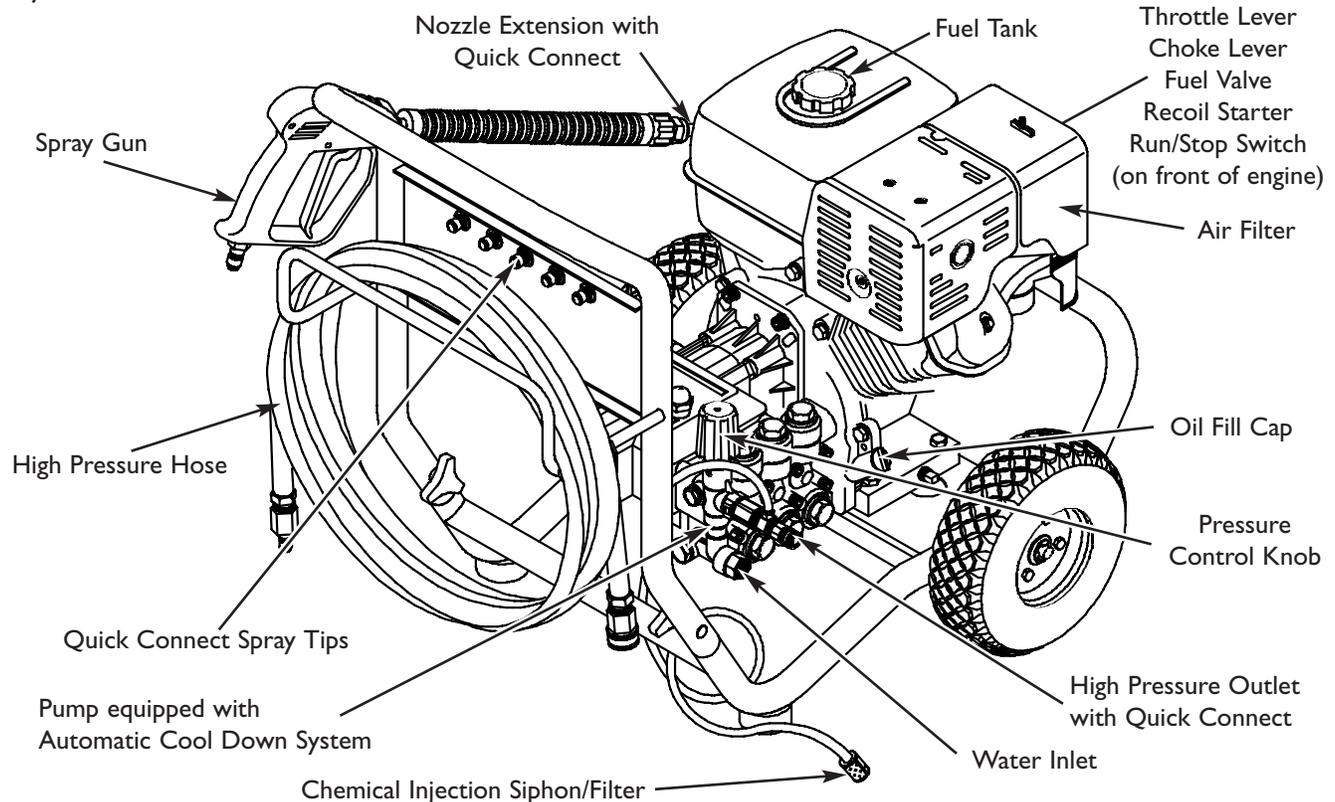
<b>CAUTION</b>	
Improper treatment of pressure washer can damage it and shorten its life.	
<ul style="list-style-type: none"><li>• If you have questions about intended use, ask your Husqvarna dealer or contact customer service at 1-877-224-0458.</li><li>• NEVER operate units with broken or missing parts, or without protective housing or covers.</li><li>• DO NOT by-pass any safety device on this machine.</li><li>• Before starting pressure washer in cold weather, check all parts of the equipment to be sure ice has not formed there.</li><li>• NEVER move machine by pulling on high pressure hose. Use handle provided on unit.</li><li>• 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.</li><li>• This equipment is designed to be used with Briggs &amp; 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.</li></ul>	

# Features and Controls

## KNOW YOUR PRESSURE WASHER

Read this owner'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** — Used to siphon detergent or other pressure washer chemicals into the low pressure stream.

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

**Fuel Tank** — Fill tank with recommended fuel.

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

**High Pressure Outlet with Quick Connect** — To connect high pressure hose.

**Nozzle Extension with Quick Connect** — Permits easy switching between five different spray tips.

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

**Pressure Control Knob** — Varies pressure of high pressure spray.

**Pump** — Develops high pressure.

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

**Run/Stop Switch** — Set this switch to "Run" before using recoil starter. Set switch to "Stop" to switch off engine.

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

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

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

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

# Assembly

## ASSEMBLY

**IMPORTANT:** Read entire owner'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
- Spray gun with quick connect fitting
- Nozzle extension with quick connect fitting
- Handle
- Engine oil
- Safety goggles
- Parts Bag (includes the following):
  - Owner's registration card
  - Bag containing 5 multi-colored quick connect spray tips
  - Maintenance kit
  - Owner's manual
  - Engine manual
  - Engine warranty card
  - Emissions control warranty card
  - 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 **1-877-224-0458**.

## PREPARING PRESSURE WASHER FOR USE

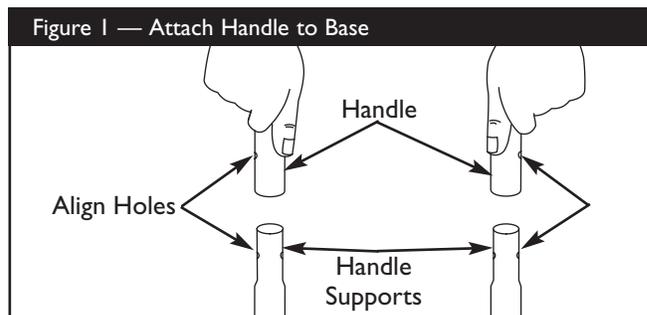
If you have any problems with the assembly of your pressure washer or if parts are missing or damaged, call the pressure washer helpline at **1-877-224-0458**.

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

1. Fill out and send in registration card.
2. Attach handle to main unit.
3. Add oil to engine.
4. Add fuel to fuel tank.
5. Remove and discard tape from pump's oil filler cap.
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 and install desired quick connect spray tip.

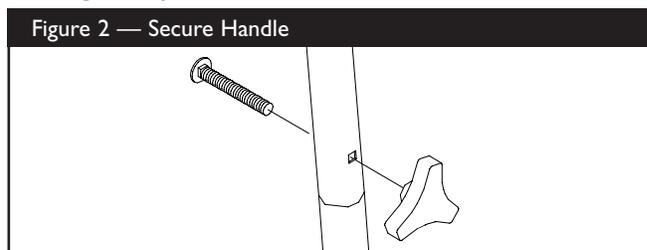
### Attach Handle

1. Place handle assembly onto handle supports connected to main unit. Make sure holes in handle align with holes on handle supports (Figure 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 unit and attach plastic knob on inside of handles (Figure 2). Tighten by hand.



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

# Assembly

## Add Engine Oil and Fuel

- Place pressure washer on a level surface.
- Refer to engine owner'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 manual for oil and fuel fill information.
- Damage to equipment resulting from failure to follow this instruction will void warranty.

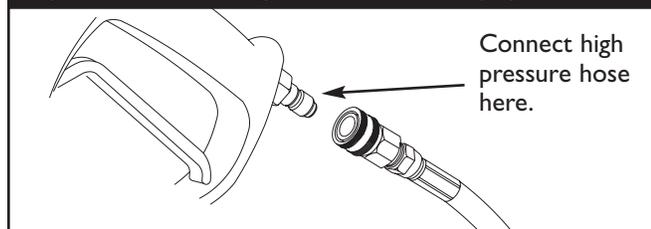
**NOTE:** Check oil often during engine break-in. Refer to engine owner's manual for recommendations.

## 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. Remove and discard tape covering pump's oil filler cap. Remove and discard all pump shipping caps before attaching hoses.
2. Uncoil high pressure hose and attach quick connect end of hose to base of spray gun (Figure 3). Pull down on collar of quick connect, slide onto spray gun and let go of collar. Tug on hose to be sure of tight connection.

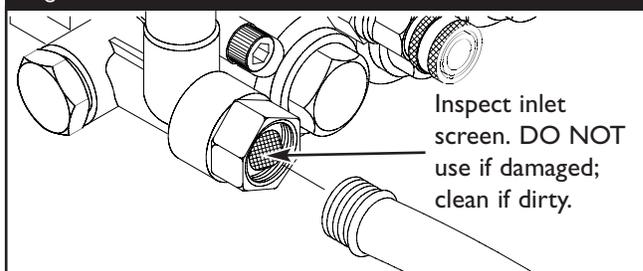
Figure 3 — Connect High Pressure Hose to Spray Gun



3. Similarly, attach other end of high pressure hose to 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 tight connection.

4. Before connecting garden hose to water inlet, inspect inlet screen (Figure 4). Clean screen if it contains debris, replace if damaged. **DO NOT RUN PRESSURE WASHER IF SCREEN IS DAMAGED.**

Figure 4 — Connect Garden Hose to Water Inlet



5. 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).
6. Connect garden hose (not to exceed 50 feet in length) to water inlet. Tighten by hand (Figure 4).

### 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.

7. Turn ON water and squeeze trigger on spray gun to purge pump system of air and impurities.

### 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.

# Operation

## Checklist Before Starting Engine

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

1. Make sure handle is in place and secure.
2. Check that oil has been added to proper level in engine crankcase.
3. Add proper fuel to fuel tank.
4. Check for properly attached hose connections.
5. Check to make sure there are no kinks, cuts, or damage to high pressure hose.
6. Provide a proper water supply (not to exceed 100°F) at an adequate flow.
7. Be sure to read "Safety Rules" and "How To Use 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 **1-877-224-0458**.

### 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 it 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 5.0 gallons per minute and no less than 20 PSI at pressure washer end of garden hose.
2. Make sure unit is in a level position.
3. Check that high pressure hose is connected to spray gun and pump. See "Preparing Pressure Washer for Use" for illustrations.
4. Connect garden hose to water inlet on pressure washer pump. **Turn ON water.**

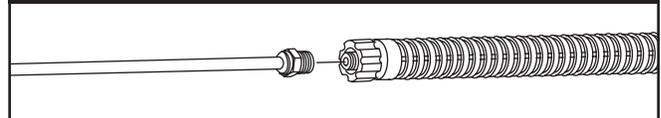
### CAUTION

**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.

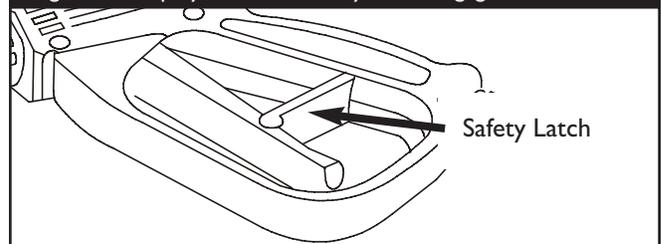
5. Squeeze trigger on gun until you have a steady stream of water. This purges pump of air and impurities.
6. Attach nozzle extension to spray gun (Figure 5). Tighten by hand.

Figure 5 — Connect Nozzle Extension to Spray Gun



7. Choose spray tip you want to use and insert it into nozzle extension. See "How to Use Spray Tips".
8. Apply safety latch to spray gun trigger (Figure 6).

Figure 6 — Spray Gun with Safety Latch Engaged



9. Start engine according to instructions given in engine owner's manual.

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



### CAUTION

Avoid injury from kickback.

- Squeeze trigger on spray gun each time recoil starter is pulled and engine fails to start.

### How to Stop Pressure Washer

- Turn engine off according to instructions given in engine owner's manual.
- **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.

# Operation

## How to Use the Spray Tips

The quick-connect on the nozzle extension allows you to switch between five different spray tips. The spray tips vary the spray pattern as shown below (Figure 7).



### 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 safety latch on the trigger.

### Follow these instructions to change spray tips:

1. Engage safety latch on spray gun.
2. Pull back collar on quick-connect and pull current spray tip off. Store spray tips in space provided on handles storage panel.
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. If you get spray tip too close, you may damage cleaning surface. DO NOT get closer than 6 inches when cleaning tires.

## Cleaning and Applying Chemical

**IMPORTANT: Use soaps 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

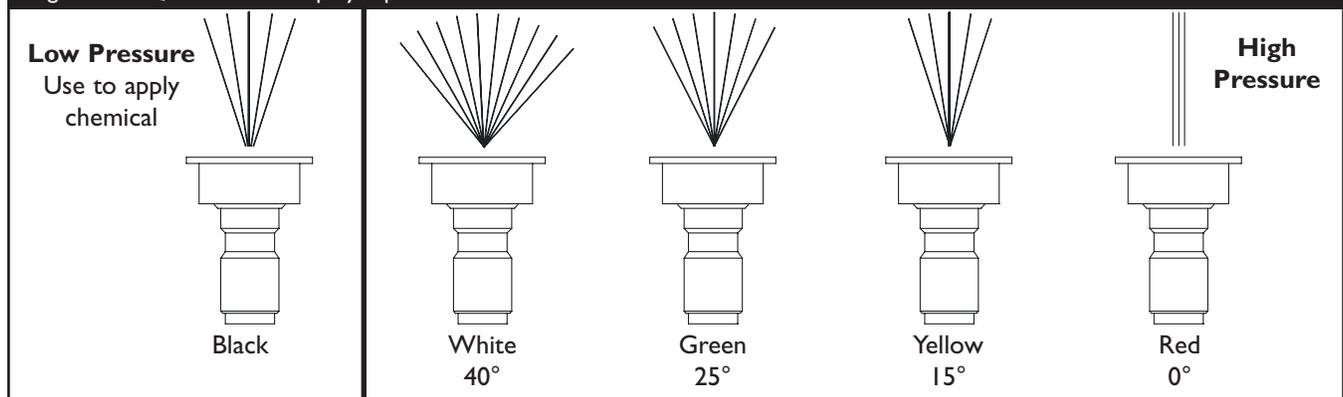
Keep the chemical injection tube from coming in contact with the hot muffler.

- 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 the high pressure spray tips (White, Green, Yellow, or Red).

Figure 7 — Quick Connect Spray Tips



# Operation

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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.
4. Increase (decrease) spray pressure by turning pressure control knob clockwise (counterclockwise) (See “Know Your Pressure Washer”). Use lower pressure to wash items such as a car or boat. Use higher pressure to strip paint and degrease driveways.
5. Apply high pressure spray to small area and check surface for damage. If no damage is found, you can assume it is okay to continue cleaning.
6. Start at top of area to be rinsed, working down with same overlapping strokes as you used for cleaning.

## Pressure Washer Rinsing

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

1. Apply safety latch to spray gun.
2. Remove black chemical spray tip from nozzle extension.
3. Select and install desired high pressure spray tip following instructions in “How to Use Spray Tips”.

### **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.

## Automatic Cool Down System (Thermal Relief)

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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.**

# Maintenance

## SPECIFICATIONS

- Outlet Pressure** . . . . . 3,700 psi
- Flow Rate** . . . . . 4.0 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
- Unit Weight** . . . . . 147 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.

- Some adjustments will need to be made periodically to properly maintain your pressure washer.
- All maintenance in this manual and the engine owner'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 spray tips 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.

 <b>WARNING</b>	
	The high pressure stream of water that this equipment produces can pierce skin and its underlying tissues, leading to serious injury and possible amputation.
<ul style="list-style-type: none"><li>• NEVER repair high pressure hose. Replace it.</li><li>• Replacement hose rating MUST exceed maximum pressure rating of unit.</li></ul>	

### 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.

### 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.

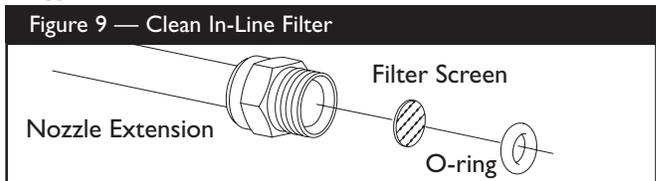
**IMPORTANT:** Simply shutting **OFF** engine will not release pressure in the system. **When the engine has shut down, squeeze the trigger on the spray gun to relieve the pressure in the hose.**

### 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.

### Check In-Line Filter

Refer to Figure 9 and service the in-line filter if it becomes clogged, as follows:



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

## Purge Pump of Air and Contaminants

To remove air from the pump, follow these steps:

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

To remove contaminants from the pump, follow these steps:

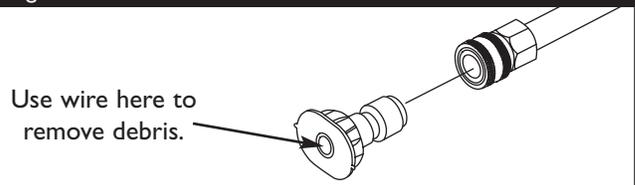
1. Set up pressure washer as described in “Preparing Pressure Washer For Use”. Connect water supply and turn water on.
2. Start engine according to instructions in “To Start Pressure Washer”.
3. Remove nozzle extension from spray gun.
4. Squeeze trigger on spray gun and hold.
5. When water supply is steady and constant, engage safety latch and reattach nozzle extension.

## 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 spray tip clogged or restricted with foreign materials, such as dirt, etc. To correct the problem, immediately clean the spray tips using the tools included with your pressure washer and follow these instructions:

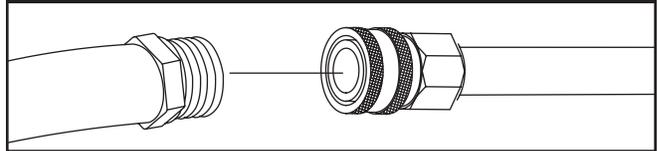
1. Shut off engine and turn off water supply.
2. Remove spray tip from end of nozzle extension.
3. Remove in-line filter from other end of nozzle extension.
4. Use wire included in kit (or a small paper clip) to free any foreign material clogging or restricting spray tip (Figure 10).

Figure 10 — Nozzle Maintenance



5. Using a garden hose, remove additional debris by back flushing water through nozzle extension (Figure 11). Back flush between 30 to 60 seconds.

Figure 11 — Backflushing the Nozzle Extension



6. Reinstall spray tip and in-line filter into nozzle extension.
7. Reconnect nozzle extension to spray gun.
8. Reconnect water supply, turn on water, and start engine.
9. Test pressure washer by operating with each Quick Connect spray tips.

## 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.

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

# Maintenance

## 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.

## PUMP MAINTENANCE

For longest lasting service, follow the instructions given in the check list (Figure 12).

**IMPORTANT:** Use 0.55 liter (18.6 ounces) of CAT Pump 6107 multi-viscosity oil. Oil alternatives include Mobil DTE16, Texaco Rondo 1660-HD150, Amoco Rykon-68, Shell Tellus T-68, and Exxon Univis-68.

### Check Oil Level

1. Place pressure washer on a level surface.

2. While pump and oil is cold, observe oil level visible in pump's oil sight gauge.
3. Oil level should be visible and just below red dot. If necessary, slowly add recommended oil through pump's oil filler opening until oil level just touches bottom of red dot. DO NOT fill above red dot!

### Oil Change Procedure

1. Place pressure washer on an outside level surface.
2. Start and run pressure washer for at least 5 minutes.
3. Turn off pressure washer and disconnect spark plug wire from spark plug.
4. Place suitable container under oil drain hole.
5. Remove pump's oil filler cap and o-ring (Items 32 and 33 on page 18).
6. Remove oil drain plug (Items 48 and 49 on page 18) and let oil drain out completely.
7. Replace oil drain plug and tighten securely (50 in-lbs max. torque).
8. Use a funnel to add recommended amount and type of pump oil.
9. Replace domed oil filler cap and o-ring. Tighten finger-tight.
10. Reconnect spark plug wire to spark plug.
11. Take used oil to an oil recycling center.

Figure 12 — Pump Preventative Maintenance Check List

Follow the daily, hourly or calendar intervals, whichever occurs first.

Maintenance Item:	Daily	50 hours	500 hours	1,500 hours	3,000 hours
Clean Inlet Water Filter	X				
Check Oil Level/Quantity	X				
Check for Oil Leaks	X				
Check for Water Leaks	X				
Break-in Oil Change		X			
*Routine Oil Change			X		
**Seal Change				X	
Valve Change					X
Check Accessories				X	

\* If other than CAT Pump Model 6107 oil is used, change cycle should be every 300 hours.

\*\* Each system's maintenance cycle will be exclusive. If system performance decreases, check immediately. If no wear at 1500 hours, check again at 2000 hours and each 500 hours until wear is observed. Valves typically require changing every other seal change. Duty cycle, temperature, quality of pumped liquid and inlet feed conditions all affect the life of pump wear parts and service cycle.

\*\* Remember to service the unloader at each seal servicing and check all system accessories and connections before resuming operation. Contact your local service center if questions arise.

# Storage

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## 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 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 in 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

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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.

### 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.

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.

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

**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 owner's manual for instructions on how to properly prepare the engine for storage.

# Troubleshooting

## 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 local 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>	<ol style="list-style-type: none"> <li>1. Out of gasoline.</li> <li>2. Low oil level.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fill fuel tank.</li> <li>2. Fill crankcase to proper level.</li> </ol>

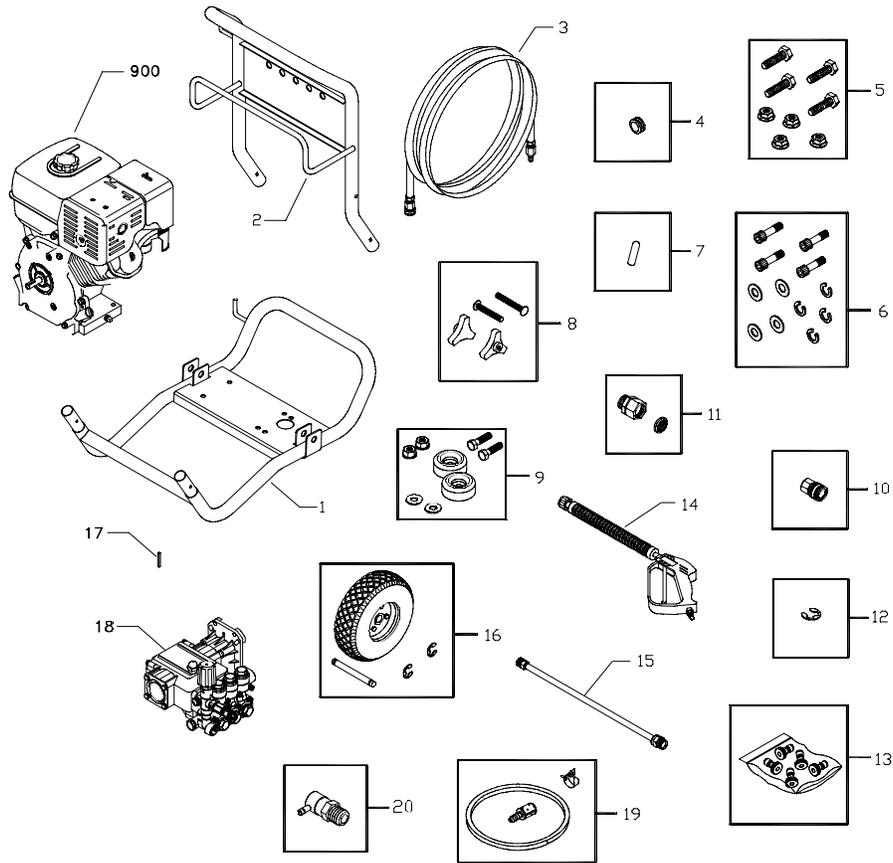
# Notes

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**NOTES**

# Exploded Views and Parts Lists

## EXPLODED VIEW AND PARTS LIST — MAIN UNIT



Item	Part #	Description
1	B191938GS	BASE
2	B191942GS	HANDLE
3	B4805GS	HOSE
4	30809GS	GROMMET
5	I92886GS	KIT, Engine Mounting Hardware
6	I93003GS	KIT, Pump Mounting Hardware
7	B2516GS	VINYL CAP
8	B2203GS	KIT, Handle Fastening
9	I92310GS	KIT, Vibration Mount
10	95458GS	QUICK CONNECT
11	I92135GS	KIT, Garden Hose Inlet
12	I91265GS	E-RING

Item	Part #	Description
13	B4847GS	KIT, Spray Tips
14	B1436BGS	GUN
15	I90779GS	EXTENSION
16	I92317GS	KIT, Wheel
17	63281GS	KEY
18	I92193GS	* ASSY, Pump (see pages 18-19)
18	I92194GS	* ASSY, Unloader (see pages 18-19)
19	I92796GS	KIT, Chemical Hose/Filter
20	B1544GS	VALVE, Thermal Relief
900	NSP	ENGINE

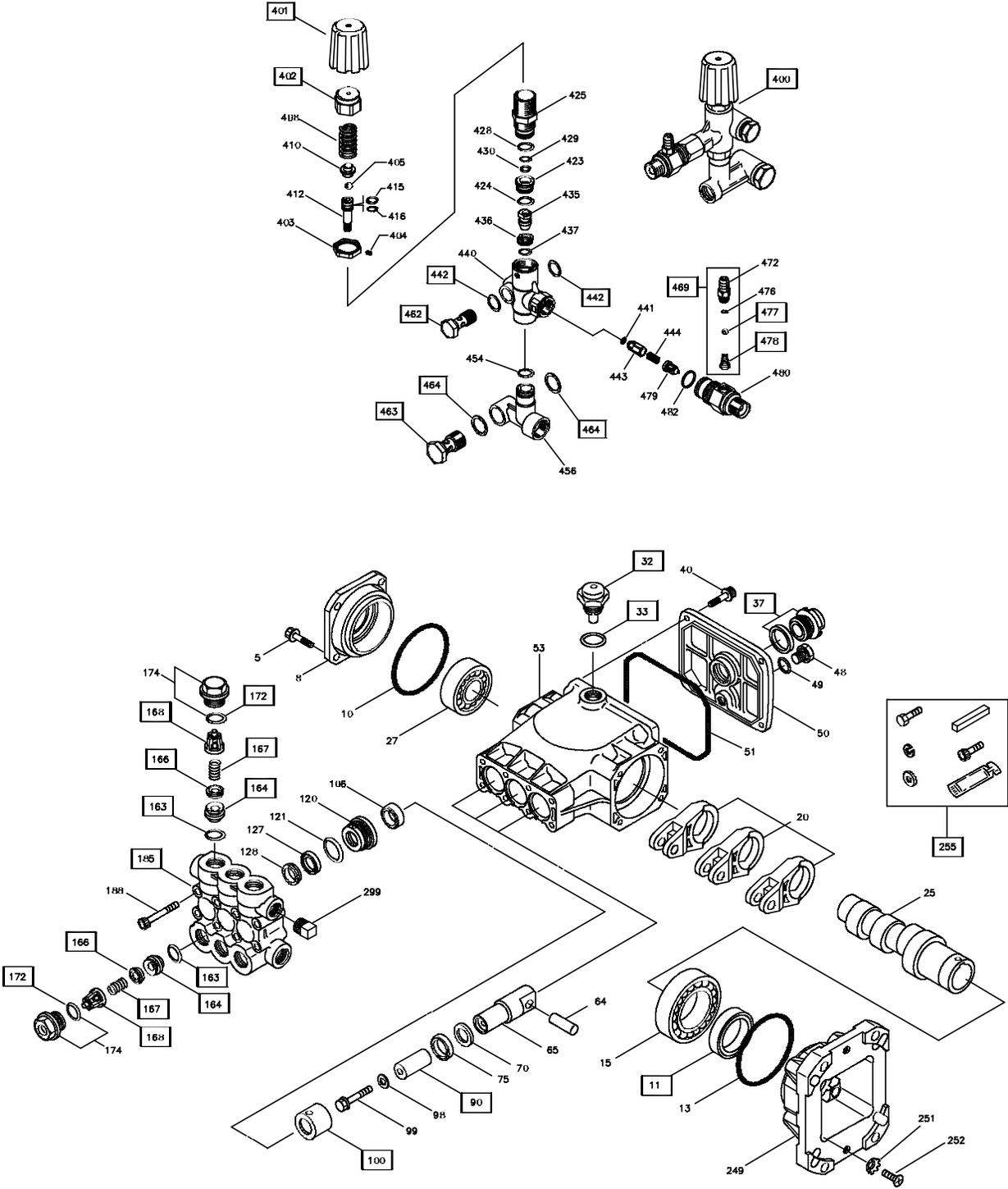
**Note:** \* Complete Pump available from Cat Pumps only.

### Items Not Illustrated:

Part #	Description
I93017GS	MANUAL, Owner's
I92894GS	KIT, Decals
BB3061BGS	OIL, Engine

# Exploded Views and Parts Lists

## EXPLODED VIEW - PUMP & UNLOADER



# Exploded Views and Parts Lists

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## PARTS LIST - PUMP AND UNLOADER

Item	Part #	Qty	Description
11	188111GS	1	SEAL, Oil, Crankshaft
32	192995GS	1	DOMED, Oil Filler
33	188118GS	1	O-RING, Filler Cap
37	188119GS	1	GAUGE, Oil Sight w/Gasket
90	188133GS	3	PLUNGER
100	188140GS	3	RETAINER, Seal
163	188149GS	6	O-RING, Seat
164	193000GS	6	SEAT
166	188152GS	6	VALVE
167	188153GS	6	SPRING
168	188154GS	6	RETAINER, Spring
172	188155GS	6	O-RING, Valve Plug
185	193001GS	1	MANIFOLD
255	193003GS	1	KIT, Mounting Bolt
299	188535GS	1	PLUG
300	188198GS	1	KIT, Seal (Includes: 98,106,121,127,128)
310	188199GS	2	KIT, Valve (Includes: 163,164,166,167,168,172)
400	192194GS	1	ASSY, UNLOADER, COMPLETE
401	192195GS	1	HANDLE, Adj.
402	188162GS	1	CAP, Adjusting
442	188182GS	2	WASHER, Seal
462	188187GS	1	SCREW, Flow-thru
463	188188GS	1	SCREW, Flow-thru
464	188189GS	2	WASHER, Seal
468	188201GS	1	KIT, O-Ring (Includes: 415,416,424,428,429,430,437,441,454)
469	188200GS	1	ASSY, Fixed Barb (Includes: 472,476,477,478)
477	188192GS	1	BALL
478	188193GS	1	SPRING
	188212GS	1	OIL, Bottle, CAT

The listed Items are the only components/kits available from the factory.  
Other components are available only from **CAT PUMP®**

### LIMITED WARRANTY

“Briggs & Stratton Power Products will repair or replace, free of charge, any part or parts of this Husqvarna® branded product\*\* 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 stated below. For warranty service, find the nearest Authorized Service Dealer by calling 1-877-224-0458. Warranty service may only be performed by a Briggs & Stratton Power Products 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 INCIDENTAL OR 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 which vary from country to country or state to state.”

### WARRANTY PERIOD\*

Equipment **	Consumer Use	Commercial Use
Pressure Washer	2 Years	2 Years
Portable Generator	2 Years (2nd year parts only)	1 Year

\* 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.

\*\* The 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:** This warranty excludes 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.

**BRIGGS & STRATTON POWER PRODUCTS GROUP, LLC**

**JEFFERSON, WISCONSIN, U.S.A.**