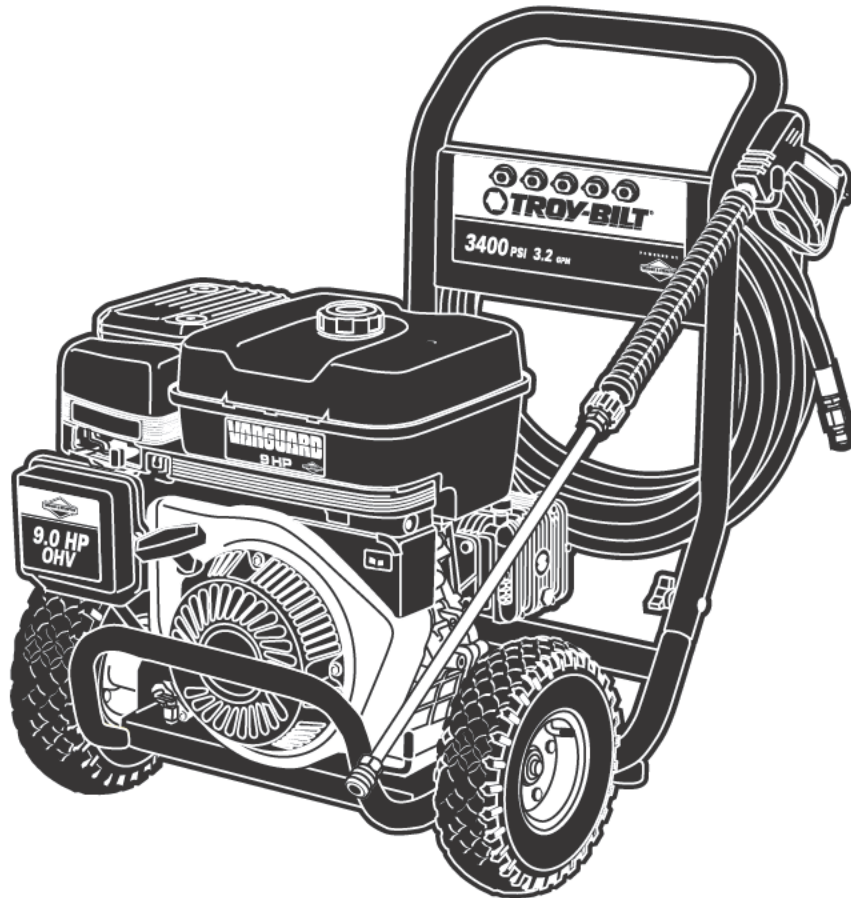




Owner's Manual / Manual del Propietario

Pressure Washer / Lavadora de Presión
Model / Modelo 01905



IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY
IMPORTANTE: LEYO LA SEGURIDAD LAS ORDENES Y LAS INSTRUCCIONES DETENIDAMENTE

Questions? Preguntas?

Helpline - 1-888-611-6708 M-F 8-5 CT

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



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Safety Rules

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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.

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



Section 1: 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.
<ul style="list-style-type: none">• 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.
<ul style="list-style-type: none">• 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.
<ul style="list-style-type: none">• Keep spray nozzle between 8 to 24 inches away from cleaning surface.• Operate this unit on a stable surface.• The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.• Be extremely careful if you must use the pressure washer from a ladder, scaffolding or any other relatively unstable location.• Firmly grasp spray gun with both hands when using high pressure spray to avoid injury 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 <ul style="list-style-type: none">• Turn pressure washer OFF and let it cool at least 2 minutes before removing gas cap.• Fill fuel tank outdoors.• DO NOT overfill tank. Allow space for fuel expansion.• Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.• DO NOT light a cigarette or smoke.	
WHEN OPERATING EQUIPMENT <ul style="list-style-type: none">• DO NOT tip engine or equipment at angle which causes fuel to spill.• DO NOT spray flammable liquids.	
WHEN TRANSPORTING OR REPAIRING EQUIPMENT <ul style="list-style-type: none">• Transport/repair with fuel tank EMPTY or with fuel shutoff valve OFF.	
WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK <ul style="list-style-type: none">• Store away from furnaces, stoves, water heaters, clothes dryers or other appliances that have pilot light or other ignition source because they can ignite fuel vapors.	




 WARNING	
	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">• NEVER aim spray gun at people, animals or plants.• DO NOT allow CHILDREN to operate pressure washer.• NEVER repair high pressure hose. Replace it.• Keep high pressure hose connected to pump and spray gun while system is pressurized.	


Section 1: Safety Rules


 WARNING	
	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">• DO NOT touch hot surfaces.• Stay clear of exhaust gases.• Allow equipment to cool before touching.	

 WARNING	
	Starter and other rotating parts can entangle hands, hair, clothing, or accessories.
<ul style="list-style-type: none">• 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.
<ul style="list-style-type: none">• 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	
<ul style="list-style-type: none">• Disconnect spark plug wire from spark plug and place wire where it cannot contact spark plug.	

 CAUTION	
Excessively high or low operating speeds increase risk of injury and damage to pressure washer.	
<ul style="list-style-type: none">• 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.	
<ul style="list-style-type: none">• 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.	

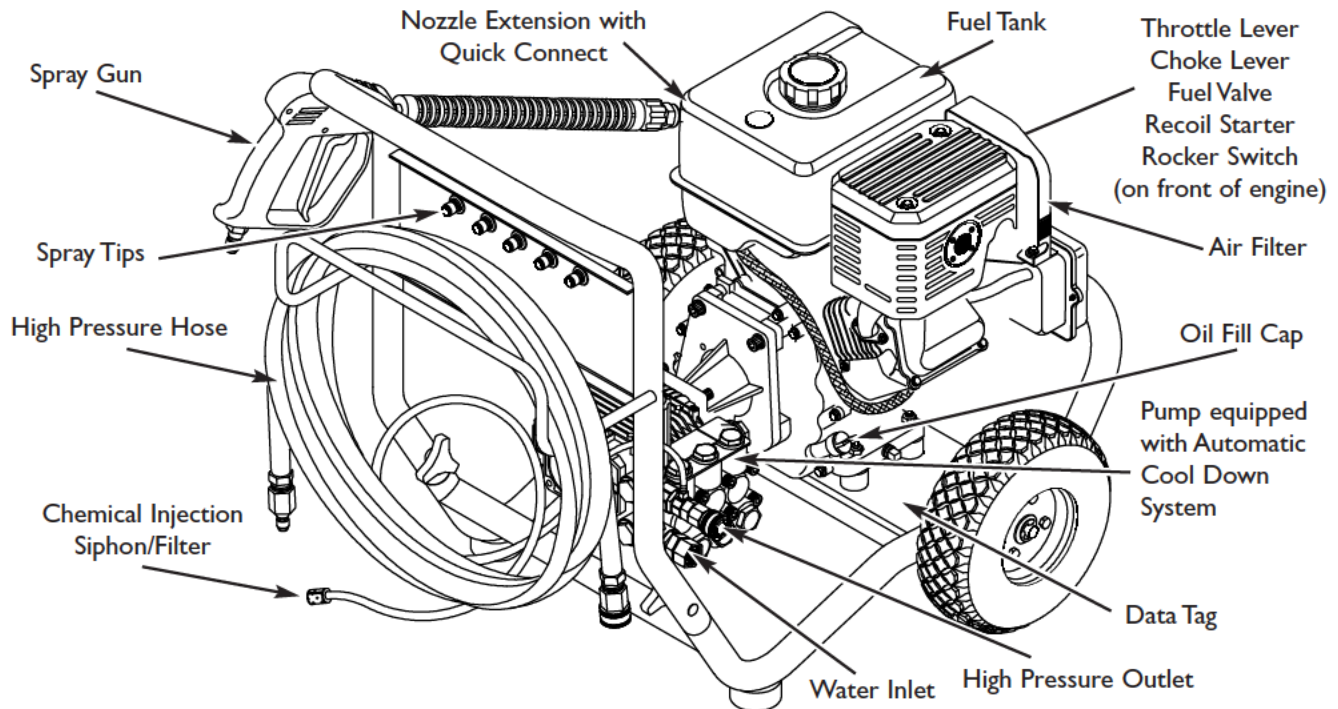
CAUTION	
High pressure spray may damage fragile items including glass.	
<ul style="list-style-type: none">• DO NOT point spray gun at glass when in jet spray mode.• NEVER aim spray gun at plants.	

CAUTION	
Improper treatment of pressure washer can damage it and shorten its life.	
<ul style="list-style-type: none">• 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.	

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 — 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 owner's manual before you attempt to assemble or operate your new pressure washer.

Remove Pressure Washer From Carton

- Remove the parts bag packed 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
- Safety Goggles
- Handle
- High Pressure Hose
- Spray Gun
- Nozzle Extension with Quick Connect Fitting
- Oil Bottles (2)
- Parts Bag (which includes the following):
 - Owner's Manual
 - Engine Manual
 - Owner's Registration Card
 - Bag containing 5 multi-colored Quick Connect Spray Tips
- Maintenance Kit
- Handle Fastening Hardware Kit (which includes):
 - Carriage Bolts (2)
 - Plastic Knobs (2)

PREPARING PRESSURE WASHER FOR USE

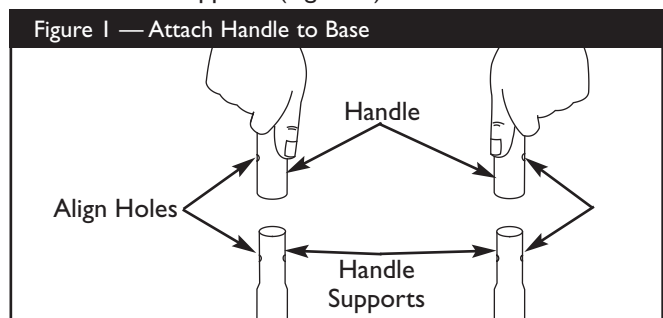
If you have any problems with the assembly of your pressure washer or if parts are missing or damaged, call the pressure washer helpline at **1-888-611-6708**.

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. Remove shipping cap and install dipstick in pump.
4. Add oil to engine crankcase.
5. Add fuel to fuel tank.
6. Connect high pressure hose to spray gun and pump.
7. Connect water supply to pump.
8. Attach nozzle extension to spray gun.
9. Select/attach quick connect spray tip to nozzle extension.

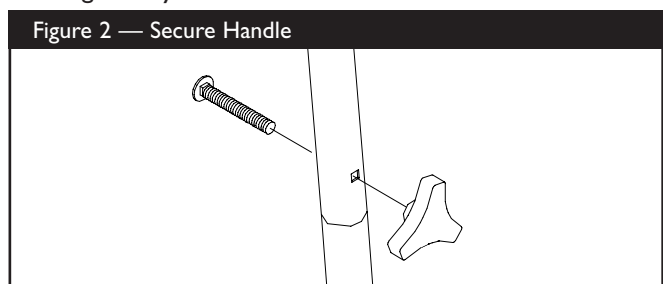
Attach Handle

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 from inside of unit (Figure 2). Tighten by hand.



3. Insert multi-colored nozzles in spaces provided in handle.

Section 3: Assembly

Install Oil Dipstick on Pump

To install the oil dipstick:

1. Make sure unit is on a level surface.

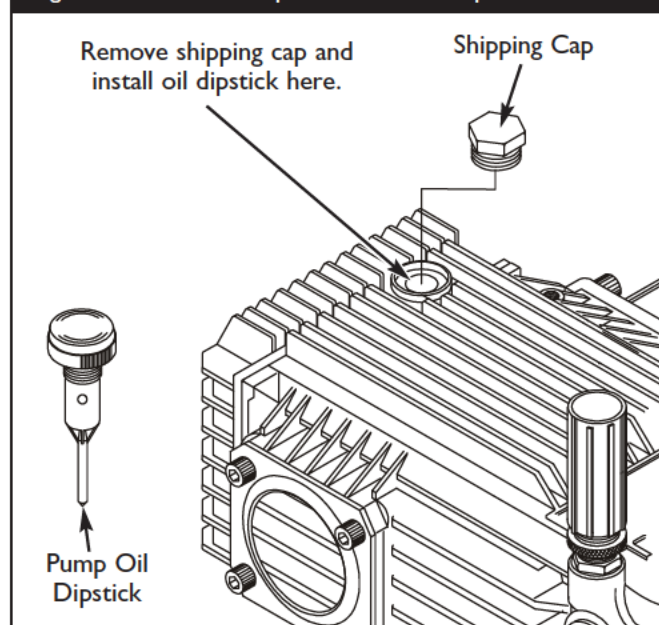
CAUTION

You **MUST** remove the pump's shipping cap and install the oil dipstick.

- Failure to do so will void the warranty and damage the pump.

2. Remove and discard shipping cap located on pump (Figure 3).

Figure 3 — Install Oil Dipstick onto the Pump



3. Install oil dipstick.

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.

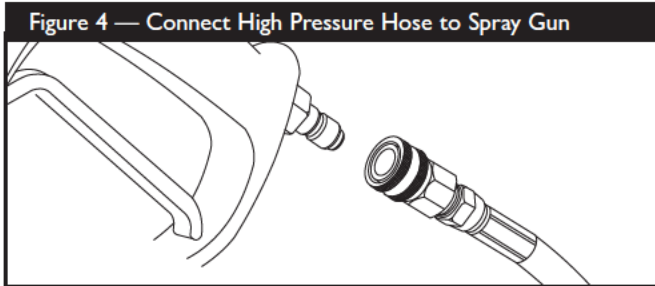
NOTE: Check oil often during engine break-in. Refer to engine owner's manual for recommendations.

Section 3: Assembly

Connect Hose and Water Supply to Pump

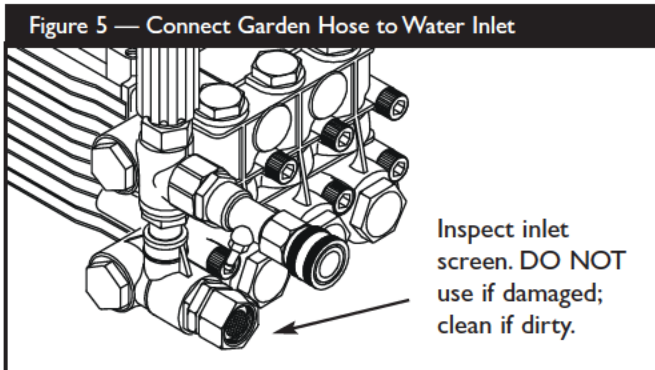
IMPORTANT: To avoid pump damage, you must assemble the nozzle extension to the spray gun and attach all hoses before you start the engine.

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 tight connection.



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

2. 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.
3. Before you connect your garden hose to water inlet, inspect inlet screen (Figure 5). Clean screen if it contains debris, replace if damaged. **DO NOT RUN PRESSURE WASHER IF SCREEN IS DAMAGED.**



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 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.

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. Make sure shipping cap was removed and oil distick was installed in pump.
3. Check that oil has been added to the proper level in engine crankcase.
4. Add proper fuel to fuel tank.
5. Check for properly attached hose connections.
6. Check to make sure that there are no kinks, cuts, or damage to high pressure hose.
7. Provide a proper water supply at an adequate flow.
8. Be sure to read "Safety Rules" and "How To Use Pressure Washer" before using the pressure washer.

HOW TO USE PRESSURE WASHER

If you have any problems operating your pressure washer, please call the pressure washer helpline at **1-888-611-6708**.

To Start Pressure Washer

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

1. Place pressure washer near an outside water source capable of supplying water at a flow rate greater than 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 connected to spray gun and pump. See "Preparing Pressure Washer for Use" for illustrations.
3. Make sure unit is in a level position.
4. Connect garden hose to water inlet on pressure washer pump. **Turn ON the water.**

CAUTION

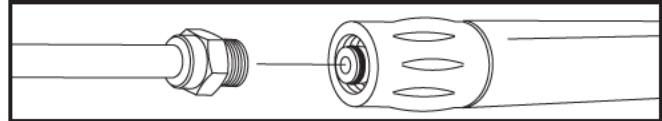
DO NOT run the pump without the water supply connected and turned on.

- 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 the pump of air and impurities.

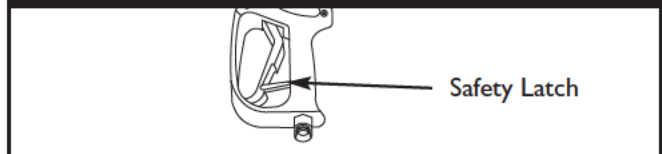
6. Attach nozzle extension to spray gun (Figure 6). Tighten by hand.

Figure 6 — Connect Nozzle Extension to Spray Gun



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

Figure 7 — 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.

Section 4: Operation

How to Use 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 8).

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.
3. Pull back on collar, insert new spray tip and release collar. Tug on spray tip to make sure it is securely in place.
4. 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 small filter end of detergent siphoning tube into detergent container.

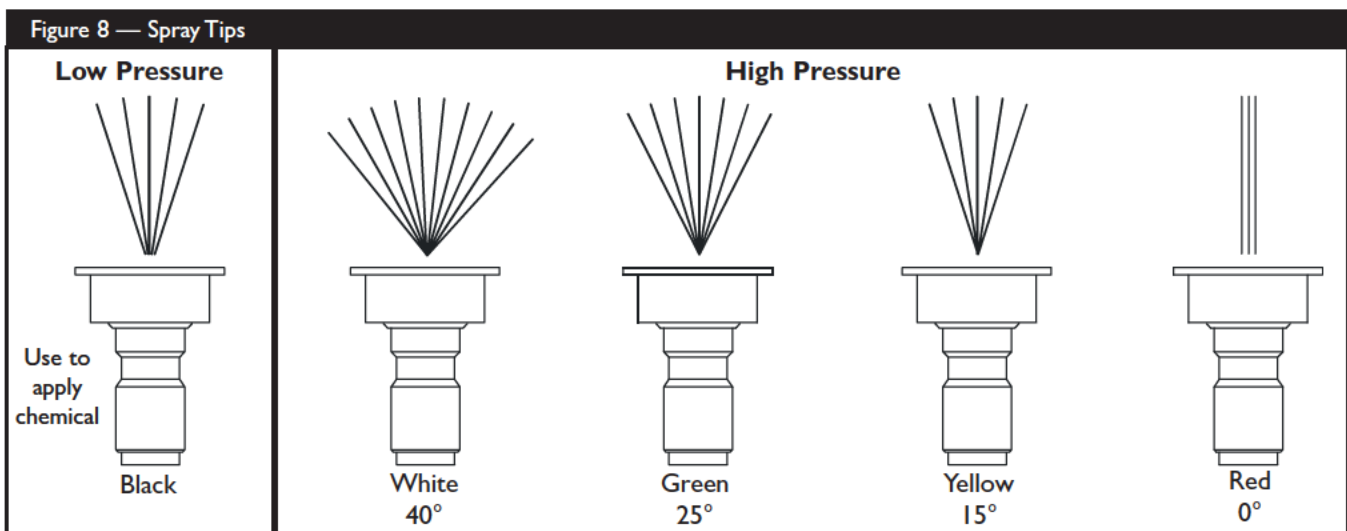
CAUTION

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).



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 and 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.
7. Allow detergent to soak in between 3–5 minutes before washing and rinsing. Reapply as needed to prevent surface from drying. DO NOT allow detergent to dry on (prevents streaking).

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

Pressure Washer Rinsing

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 the instructions “How to Use Spray Tips”.



WARNING

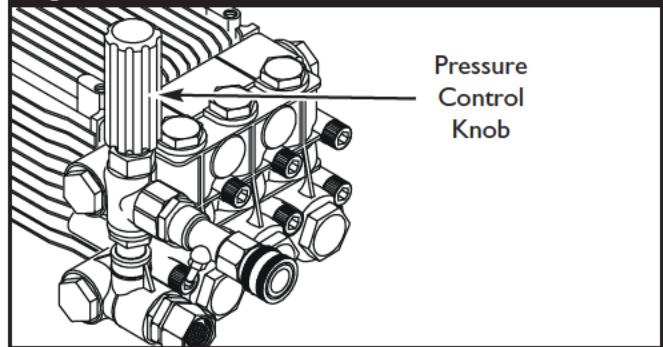


High pressure spray could cause you to fall if you are too close to the cleaning surface.

- 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.

4. Increase or decrease spray pressure by turning pressure control knob counterclockwise or clockwise respectively (Figure 9). Use lower pressure to wash items such as a car or boat. Use higher pressure to strip paint and degrease driveways.

Figure 9 — Pressure Control Knob



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

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.

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. Check the spray gun and adjustable nozzle extension assembly for wear.
- All maintenance in this manual and the engine owner's manual should be made at least once each season.
- Once a year you should clean or replace the spark plug, clean or replace the air filter. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer. Please refer to your engine owner's manual for more details.
- 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 and nozzle extension assembly for leaks.
7. Rinse out garden hose to flush out debris **before** connecting to pressure washer.

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.

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.**

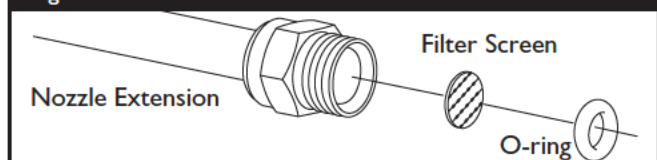
Check Gun and Nozzle Extension

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

Figure 10 — 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

Section 5: Maintenance

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 a pencil until it rests flat at bottom of opening. Take care to not bend screen.
4. Place o-ring into threaded end of nozzle extension. Push o-ring snugly against in-line filter screen.
5. Assemble the nozzle extension to the 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:

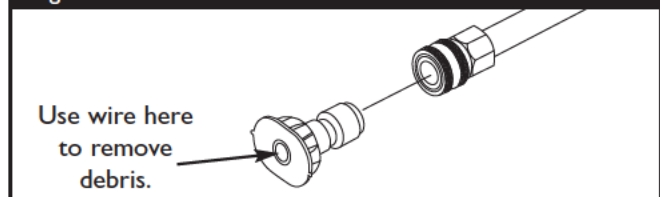
1. Set up pressure washer as described in "Preparing Pressure Washer For Use". Connect water supply and turn water on.
2. Start engine according to instructions in "To Start Pressure Washer".
3. Remove nozzle extension from spray gun.
4. Squeeze trigger on spray gun and hold.
5. When water supply is 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 tip using the tools included with your pressure washer and follow these instructions:

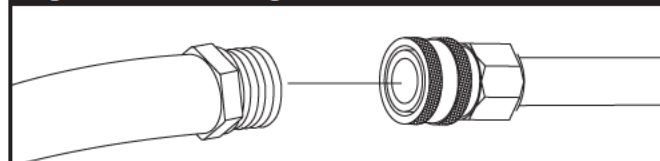
1. Shut off engine and turn off water supply.
2. Remove spray tip from end of nozzle extension.
3. Remove in-line filter from other end of nozzle extension.
4. Use wire included in kit or a small paper clip to free any foreign material clogging or restricting spray tip (Figure 11).

Figure 11 — Nozzle Maintenance



5. Using a garden hose, remove additional debris by back flushing water through nozzle extension (Figure 12). Back flush between 30 to 60 seconds.

Figure 12 — 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.

Section 5: Maintenance

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:

1. Clean area around brass oil drain plug at bottom of pump.
2. Remove oil drain plug. Drain oil completely into an approved container.
3. When oil has completely drained, install oil drain plug and tighten firmly.
4. Clean area around pump oil dipstick. Remove dipstick and fill pump with recommended oil to “Full” mark on dipstick.
5. Install pump oil dipstick.
6. 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.

Data Tag

Data tag information is very important if you need help from our Customer Service Department or an authorized service dealer.

- The data tag (Figure 13) is located on the base of the pressure washer. For future reference, please copy the model, revision, and serial number of the pressure washer in the space below.

Figure 13 — Data Tag

	<input type="text"/>	
MODEL	<input type="text"/>	Copy Model Number Here
REV NO	<input type="text"/>	Copy Revision Here
SERIAL	<input type="text"/>	Copy Serial Number Here
PSI	<input type="text"/>	
GPM	<input type="text"/>	

TROY-BILT

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 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

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

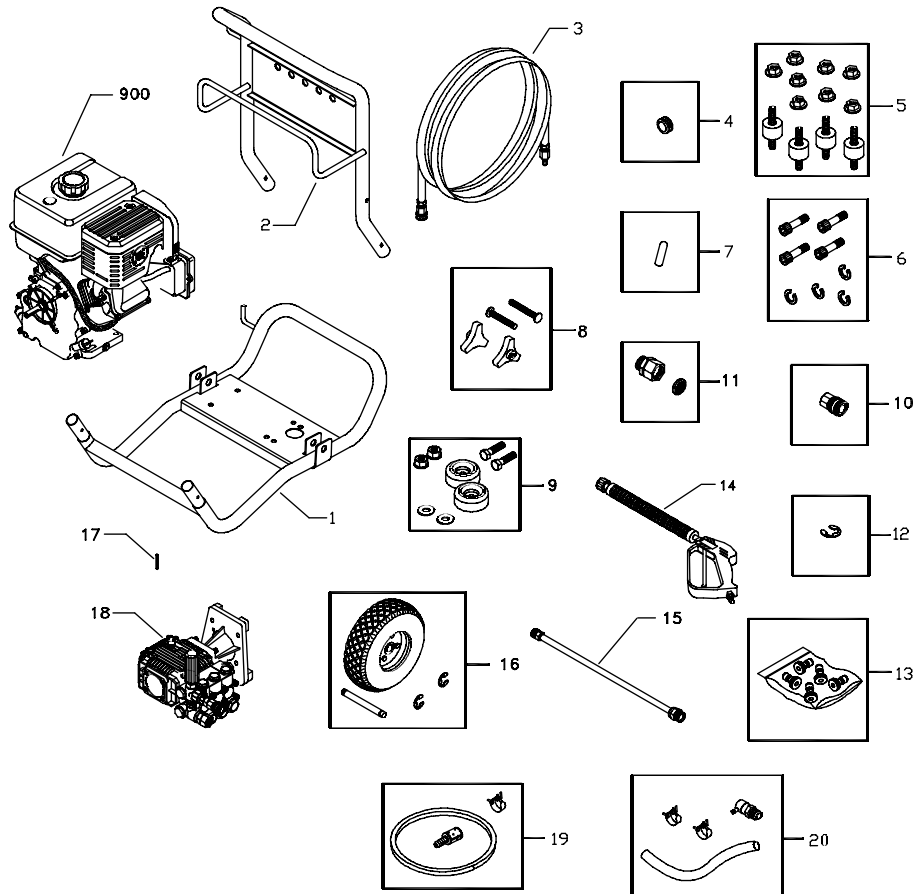
Problem	Cause	Correction
Pump has following problems: failure to produce pressure, erratic pressure, chattering, loss of pressure, low water volume.	<ol style="list-style-type: none"> 1. Low pressure spray tip installed. 2. Water inlet is blocked. 3. Inadequate water supply. 4. Inlet hose is kinked or 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 spray tip with high pressure spray tip. 2. Clear inlet. 3. Provide adequate water flow. 4. Straighten inlet hose, patch leak. 5. Check and clean inlet hose strainer. 6. Provide cooler water supply. 7. Clear blocks in outlet hose. 8. Replace gun. 9. Clean nozzle. 10. Contact Authorized 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 or cracked. 3. Dirty in-line filter. 4. High pressure spray tip installed. 	<ol style="list-style-type: none"> 1. Insert detergent siphoning tube into detergent. 2. Clean or replace filter/detergent siphoning tube. 3. See "Check In-Line Filter". 4. Replace spray tip with low pressure spray tip.
Engine shuts down during operation.	Out of gasoline.	Fill fuel tank.

Exploded Views and Parts Lists

Section

8

EXPLODED VIEW AND PARTS LIST — UNIT



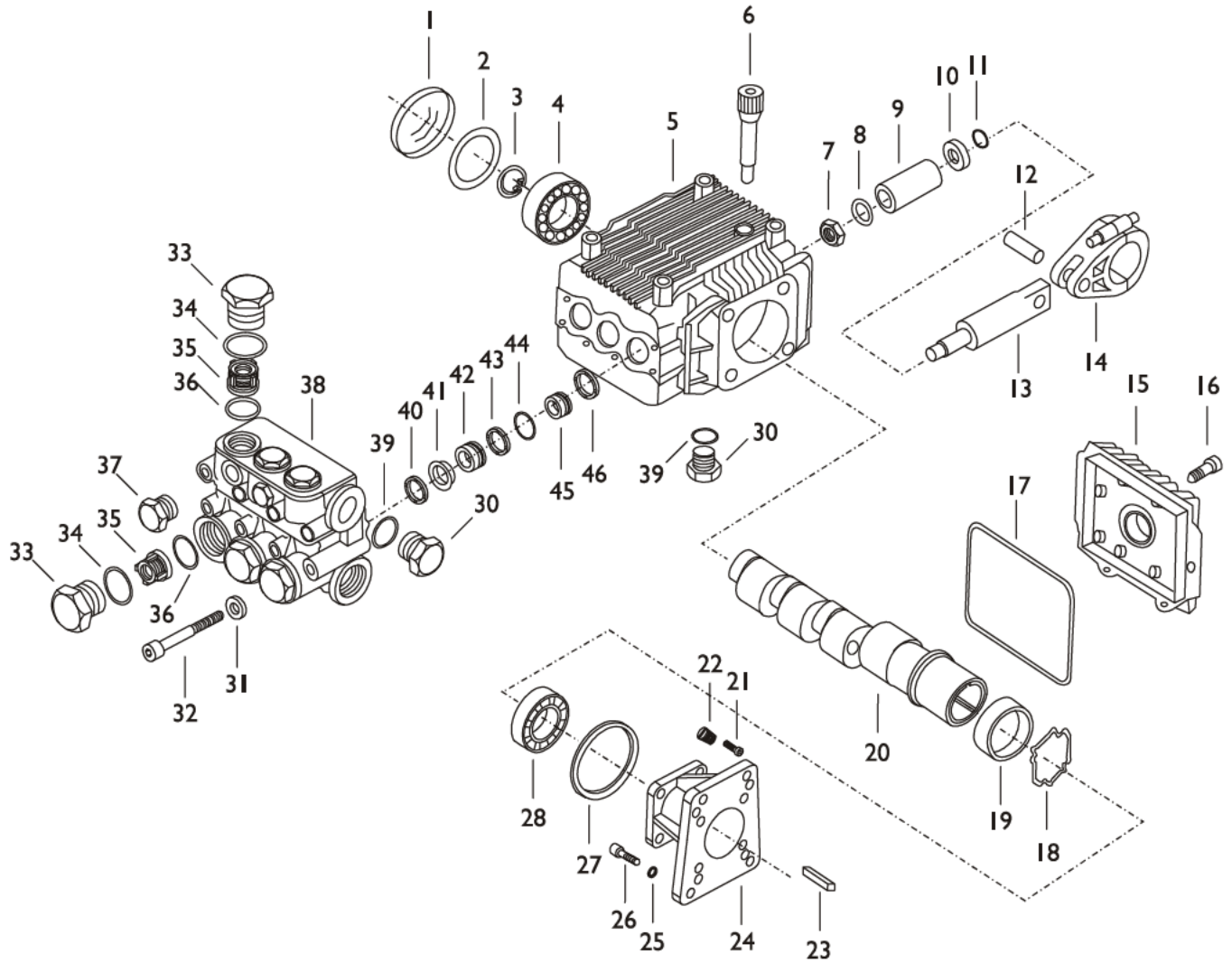
Item	Part #	Description	Item	Part #	Description
1	B191938GS	BASE	12	I91265GS	E-RING
2	B191942GS	HANDLE	13	I86301GS	KIT, Nozzle
3	B4805GS	HOSE	14	BI436BGS	GUN
4	30809GS	GROMMET	15	I90779GS	EXTENSION
5	I92134GS	KIT, Engine Mounting Hardware	16	I92317GS	KIT, Wheel
6	I92132GS	KIT, Pump Mounting Hardware	17	63281GS	KEY
7	B2516GS	VINYL CAP	18	B2126AGS	ASSY, Pump (see pages 18-21)
8	B2203GS	KIT, Handle Fastening	19	I92796GS	KIT, Chemical Hose/Filter
9	I92310GS	KIT, Vibration Mount	20	I92136GS	KIT, Thermal Relief
10	95458GS	QUICK CONNECT	900	NSP	ENGINE
11	I92135GS	KIT, Garden Hose Inlet			

Items Not Illustrated:

Part #	Description
I92114GS	MANUAL, Owner's
I92887GS	KIT, Decals
BB3061GS	OIL, Engine
I91922GS	KIT, O-RING MAINT & NZZL CLNNG

Section 8: Exploded Views and Parts Lists

EXPLODED VIEW — PUMP



Section 8: Exploded Views and Parts Lists

PARTS LIST — PUMP

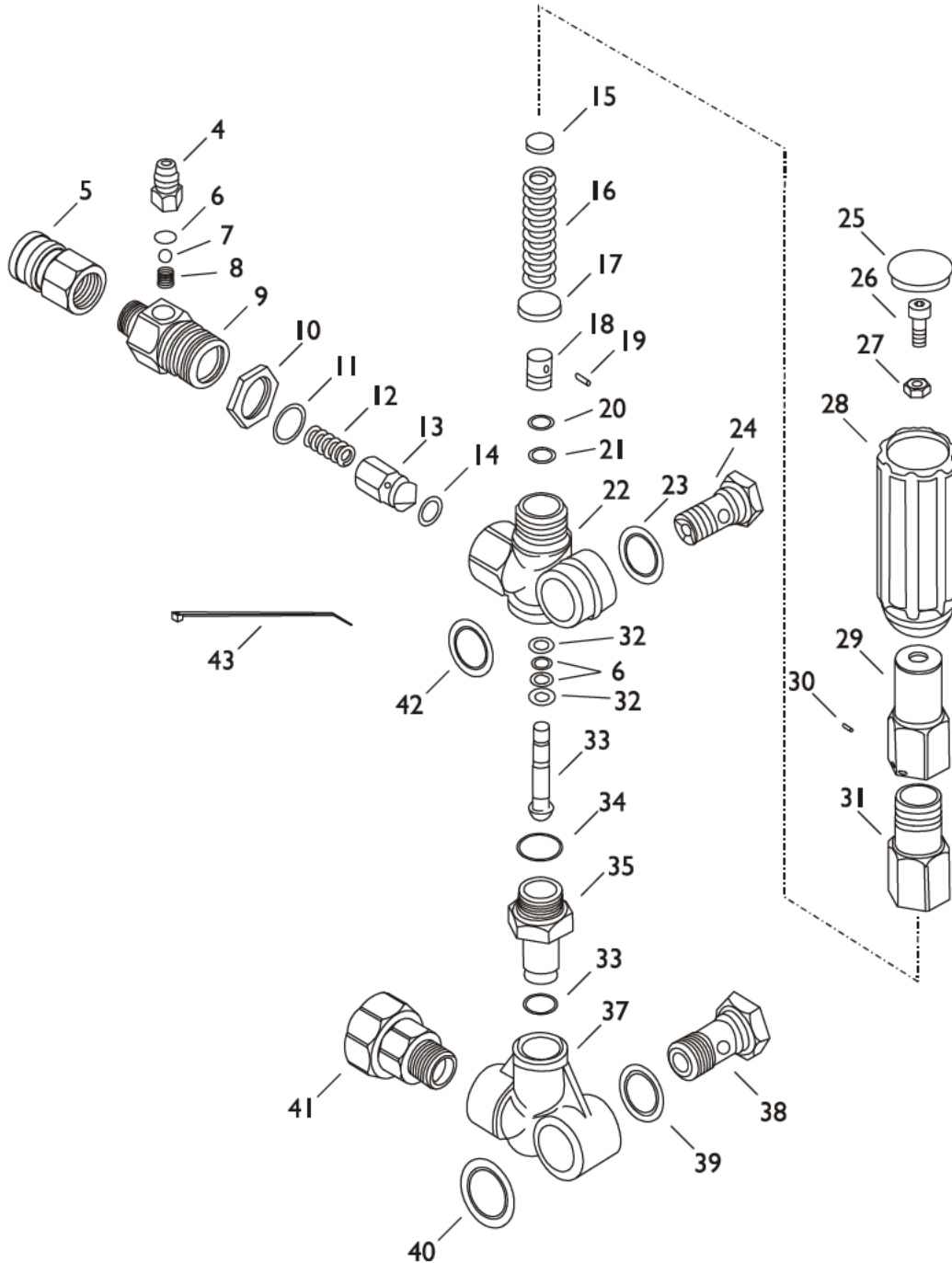
Item	Part #	Qty	Description	Item	Part #	Qty	Description
1	110B2126GS	1	Cap	24	150B2126GS	1	Gas Engine Flange
2	10887628PGS	1	Circlip	25	22237GS	4	Washer, Lock
3	112B2126GS	1	Snap Ring	26	23645GS	4	Screw
4	113B2126GS	1	Bearing	27	151B2126GS	1	Bushing
5	109B2126GS	1	Pump Body	28	12187822PGS	1	Seal
6	11287628PGS	1	Oil Cap/Dipstick	30	10487628PGS	2	Plug
7	11087822PGS	3	Nut	31	137B2126GS	8	Washer
8	11187822PGS	3	Piston Washer	32	10087822PGS	8	Screw
9	123B2126GS	3	Piston	33	102B2126GS	6	Plug
10	11687628PGS	3	Spacer Disc	34	10187822PGS	6	O-Ring
11	11587628PGS	3	O-Ring	35	10287822PGS	6	Complete Valve
12	115B2126GS	3	Piston Pin	36	10387822PGS	6	O-Ring
13	120B2126GS	3	Guiding Piston	37	11193360PGS	1	Plug
14	119B2126GS	3	Con Rod	38	136B2126GS	1	Head
15	118B2126GS	1	Complete Rear Cover	39	10387628PGS	2	O-Ring
16	117B2126GS	6	Screw	40	106B2126GS	3	Support Ring
17	116B2126GS	1	O-Ring	41	10587822PGS	3	Gasket
18	12687628PGS	1	Snap Ring	42	108B2126GS	3	Piston Guide
19	12587628PGS	1	Bearing	43	10393360PGS	3	Gasket
20	149B2126GS	1	Hollow Shaft	44	10493360PGS	3	O-Ring
21	155B2327GS	4	Screw	45	131B2126GS	3	Rear Piston Guide
22	152B2126GS	1	Grub Screw	46	16593360PGS	3	Seal
23	63281GS	1	Key				

Service Kits:

A		B		C		D		E	
500-87628PGS Valve Kit		201-B2126GS Piston Kit		202-B2126GS Oil Seal Kit		203-B2126GS Water Seal Kit		204-B2126GS Support Ring Kit	
Item	Qty.	Item	Qty.	Item	Qty.	Item	Qty.	Item	Qty.
35	6	8	3	1	1	41	3	40	3
36	6			17	1	44	3		
				46	3				

Section 8: Exploded Views and Parts Lists

EXPLODED VIEW — UNLOADER



Section 8: Exploded Views and Parts Lists

PARTS LIST — UNLOADER

Item	Part #	Qty	Description	Item	Part #	Qty	Description
0	153B2126GS	0	Complete Unloader	24	226B2327GS	1	Inlet Bolt
4	210B2327GS	1	Hose Tail	25	248B2327GS	1	Plug
5	95458GS	1	Quic Disconnect	26	155B2327GS	1	Screw
6	231B2327GS	3	O-Ring	27	246B2327GS	1	Nut
7	211B2327GS	1	Stainless Ball	28	245B2327GS	1	Knob
8	212B2327GS	1	Spring	29	243B2327GS	1	Housing
9	186833GS	1	Injection Body	30	244B2327GS	1	Pin
10	215B2327GS	1	Injector Nut	31	242B2327GS	1	Spring Guide
11	137B2327GS	1	O-Ring	32	229B2327GS	2	Ring
12	216B2327GS	1	Spring	33	232B2327GS	1	Lower Piston
13	217B2327GS	1	Plunger	34	234B2327GS	1	O-Ring
14	218B2327GS	1	O-Ring	35	233B2327GS	1	Piston Guide
15	220B2327GS	1	Spacer Plate	36	235B2327GS	1	O-Ring
16	221B2327GS	1	Spring	37	238B2327GS	1	Bypass Fitting
17	222B2327GS	1	Spring, Spacer Plate	38	236B2327GS	1	Inlet Bolt
18	219B2327GS	1	Upper Piston	39	237B2327GS	1	Washer
19	223B2327GS	1	Pin	40	239B2327GS	1	Washer
20	224B2327GS	1	Ring	41	95320GS	1	Conn, Gdn Hse
21	225B2327GS	1	O-Ring	42	230B2327GS	1	Washer
22	228B2327GS	1	Valve Housing	43	28739GS	1	Wrap, Tie
23	227B2327GS	1	Washer				

Service Kits:

250-B2327GS					
Item	Qty.	Item	Qty.	Item	Qty.
6	3	21	1	36	1
8	1	23	1	39	1
15	1	32	2	40	1
20	1	34	1	42	1