



# Pressure Washer with POWERflow+ Technology™ Operator's Manual



This pressure washer is rated in accordance to the Pressure Washer Manufacturers Association (PWMA) standard PW101-2010 (Testing and Rating Performance of Pressure Washers).

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

Manual No. 80008168 Rev B

**Thank you** for purchasing this quality-built Briggs & Stratton® pressure washer. We are pleased that you've placed your confidence in the Briggs & Stratton brand. When operated and maintained according to the instructions in this manual, your Briggs & Stratton pressure washer will provide many years of dependable service.

**This manual contains** safety information to make you aware of the hazards and risks associated with pressure washers and how to avoid them. Because Briggs & Stratton does not necessarily know all the applications this pressure washer could be used for, it is important that you read and understand these instructions thoroughly before attempting to start or operate this equipment. **Save these original instructions for future reference.**

**This pressure washer requires final assembly before use.** Refer to the *Assembly* section of this manual for instructions on final assembly procedures. Follow the instructions completely.

**Where to Find Us**

You never have to look far to find Briggs & Stratton support and service for your pressure washer. Consult your Yellow Pages. There are over 30,000 Briggs & Stratton authorized service dealers worldwide who provide quality service. You can also contact Briggs & Stratton Customer Service by phone at **(800) 743-4115**, or on the Internet at [BRIGGSandSTRATTON.COM](http://BRIGGSandSTRATTON.COM).

**Pressure Washer**

Model Number \_\_\_\_\_

Revision \_\_\_\_\_

Serial Number \_\_\_\_\_

**Date Purchased** \_\_\_\_\_

**Engine**

Model Number \_\_\_\_\_

Type Number \_\_\_\_\_

Code Number \_\_\_\_\_

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# Operator Safety

## Equipment Description



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

This high quality residential system features 11" (30 cm) wheels, axial cam pump with stainless steel pistons, automatic cool down system, one half gallon cleaning tank system, nozzle extension with quick connect fitting, 7-in-1 nozzle, heavy duty 30' (9.14 m) hose, and more.

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

The Emission Control System for this pressure washer is warranted for standards set by the Environmental Protection Agency and the California Air Resources Board.

## POWERflow+ Technology

POWERflow+ Technology is a deep cleaning pressure washer with both high pressure to lift dirt AND high flow to easily wash it away. In the high flow mode, POWERflow+ Technology enhances the cleaning experience by providing extended reach, power soaping, and faster rinsing capabilities.

The force behind POWERflow+ is in the pump with two separate cleaning modes: high pressure and high flow. The high-pressure mode delivers up to 3000 PSI (pounds square inch) and is ideal for cleaning the toughest stains, mildew and grime from decks, driveways and siding, while the high-flow mode delivers up to 5 GPM (gallons per minute) to power-rinse away dirt, soap and debris. The high flow mode also makes it the best to use for washing delicate surfaces such as patio furniture, vehicles, and children's outdoor play sets and toys.

Briggs & Stratton's POWERflow+ Technology is a system of components working in concert to deliver the high-flow capability. Water is sent from the pump to the specially designed 30 ft. hose and into the custom-engineered POWERflow+ gun with soft grip handle. Water then flows into the exclusive 7-in-1 nozzle that allows user to change from High Pressure to High Flow, without changing nozzle tips, and propels the stream up to 30 ft.

## Important Safety Information

### Safety Symbols and Meanings



Operator's Manual



Toxic Fumes



Electrical Shock



Slippery Surface



Fall



Fluid Injection



Fire



Explosion



Kickback



Projectile



Moving Parts




Flying Objects





Chemical Burn




Hot Surface


 The safety alert symbol indicates a potential personal injury hazard. A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to designate a degree or level of hazard seriousness. A safety symbol may be used to represent the type of hazard. The signal word **NOTICE** is used to address practices not related to personal injury.


 **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, *could* result in minor or moderate injury.

**NOTICE** address practices not related to personal injury.

 **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** This product contains lead and lead compounds, known to the State of California to cause birth defects or other reproductive harm. *Wash your hands after handling this product.*

 **WARNING** Risk of electrocution. Contact with power source could cause electric shock or burn resulting in death or serious injury.

- NEVER spray near power source.

**⚠ WARNING POISONOUS GAS HAZARD.**



Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You CANNOT smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas.

Some chemicals or detergents could be harmful if inhaled or ingested, resulting in death, serious injury, nausea, fainting or poisoning.

- Operate this product ONLY outside far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions. Smoke alarms cannot detect carbon monoxide gas.
- DO NOT run this product inside homes, garages, basements, crawlspaces, sheds, or other partially-enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.
- ALWAYS place this product downwind and point the engine exhaust away from occupied spaces.

If you start to feel sick, dizzy, or weak while using this product, get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.

- Use a respirator or mask whenever there is a chance that vapors may be inhaled when using chemicals.
- Read all instructions with mask so you are certain the mask will provide the necessary protection against inhaling harmful vapors when using chemicals.

**⚠ WARNING Starter cord kickback (rapid retraction) will pull hand and arm toward engine faster than you can let go which could cause broken bones, fractures, bruises, or sprains resulting in serious injury.**



- NEVER pull starter cord without first relieving spray gun pressure.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

**⚠ WARNING Unintentional sparking could cause fire or electric shock resulting in death or serious injury.**



**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.

**WHEN TESTING FOR ENGINE SPARK**

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

**⚠ WARNING Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.**



**WHEN ADDING OR DRAINING FUEL**

- Turn pressure washer engine OFF and let it cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Fill or drain fuel tank outdoors.
- DO NOT overfill tank. Allow space for fuel expansion.
- If fuel spills, wait until it evaporates before starting engine.
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.
- DO NOT light a cigarette or smoke.

**WHEN STARTING EQUIPMENT**

- Ensure spark plug, muffler, fuel cap, and air cleaner are in place.
- DO NOT crank engine with spark plug removed.

**WHEN OPERATING EQUIPMENT**

- DO NOT operate this product inside any building, carport, porch, mobile equipment, marine applications, or enclosure.
- DO NOT tip engine or equipment at angle which causes fuel to spill.
- DO NOT spray flammable liquids.

**WHEN TRANSPORTING, MOVING OR REPAIRING EQUIPMENT**

- Transport/move/repair with fuel tank EMPTY or with fuel shutoff valve OFF (0).
- DO NOT tip engine or equipment at angle which causes fuel to spill.
- Disconnect spark plug wire.

**WHEN STORING FUEL 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 could ignite fuel vapors.


**⚠ WARNING Use of pressure washer could create puddles and slippery surfaces causing you to fall resulting in death or serious injury.**



Kickback from spray gun could cause you to fall resulting in death or serious injury.


- Operate pressure washer from 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 similar location.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.





 **WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

- If cut by fluid, call physician immediately. DO NOT treat as a simple cut.
- DO NOT allow CHILDREN to operate pressure washer.
- NEVER repair high pressure hose. Replace it.
- NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.
- NEVER connect high pressure hose to nozzle extension.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure, every time you stop engine.
- NEVER aim spray gun at people, animals, or plants.
- 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.

 **WARNING** Chemical Burn Hazard. Chemicals could cause burns resulting in death or serious injury.

- DO NOT use caustic liquid with pressure washer.
- Use ONLY pressure washer safe detergents/soaps. Follow all manufacturers instructions.



  **WARNING** Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.

Contact with muffler area could cause burns resulting in serious injury.


- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 ft. (1.5 m) of clearance on all sides of pressure washer including overhead.
- It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws.

Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.

- Replacement parts must be the same and installed in the same position as the original parts.

  **WARNING** Risk of eye or bodily injury. Spray could splash back or propel objects resulting in serious injury.

- Always wear indirect vented (chemical splash) safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of this equipment.
- NEVER substitute safety glasses or dry-condition goggles for indirect vented safety goggles.
- Always wear protective clothing such as a long-sleeved shirt, long pants and close-toed shoes.
- NEVER operate pressure washer when barefoot or wearing sandals or shorts.

 **WARNING** Starter and other rotating parts could entangle hands, hair, clothing, or accessories resulting in serious injury.

- NEVER operate pressure washer without protective housing or covers.
- DO NOT wear loose clothing, jewelry or anything that could be caught in the starter or other rotating parts.
- Tie up long hair and remove jewelry.

 **CAUTION** Excessively high operating speeds could result in minor injury.

Excessively low speeds impose a heavy load.

- DO NOT tamper with governor spring, links or other parts to increase engine speed. Pressure washer supplies correct rated pressure and flow when running at governed speed.
- DO NOT modify pressure washer in any way.

**NOTICE** High pressure spray could damage fragile items including glass.

- DO NOT point spray gun at glass when using MAXIMUM spray pattern in 7-in-1 nozzle.
- NEVER aim spray gun at plants.

**NOTICE** Improper treatment of pressure washer could damage it and shorten its life.

- If you have questions about intended use, ask dealer or contact qualified service center.
- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- DO NOT tamper with governed speed.
- DO NOT operate pressure washer above rated pressure.
- DO NOT modify pressure washer in any way.
- Before starting pressure washer in cold weather, check all parts of the equipment to be sure ice has not formed there.
- NEVER move machine by pulling on hoses. Use handle provided on unit.
- 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.

## Assembly



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

Your pressure washer requires some assembly and is ready for use after it has been properly serviced with the recommended oil and fuel.

If you have any problems with the assembly of your pressure washer, please call the pressure washer helpline at **(800) 743-4115**. If calling for assistance, please have the model, revision, and serial number from the identification label available.

### Unpack Pressure Washer

1. Remove the parts bag, accessories, and inserts included with pressure washer.
2. Open carton completely by cutting each corner from top to bottom.
3. Ensure you have all included items prior to assembly.

#### Items in the carton include:

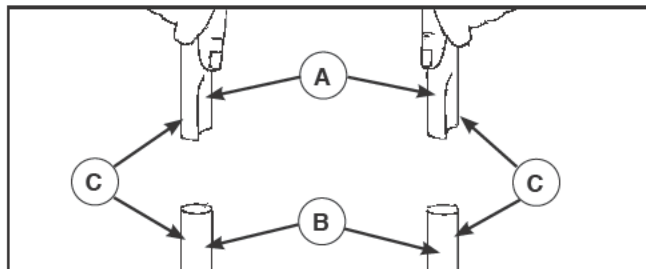
- Main Unit with cleaning tank
- Handle
- High Pressure Hose
- Spray Gun
- Nozzle Extension with Quick Connect Fitting
- Plastic Accessory Tray
- Oil Pouch
- Parts Bag (which includes the following):
  - Operator's Manual
  - Owner's Registration Card
  - Quick Connect 7-in-1 Nozzle
  - Handle/Accessory Tray Fastening Hardware Kit (which includes):
    - Carriage Bolts (2)
    - Plastic Knobs (2)
    - Rubber Strap
    - Tree Clips (4)

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

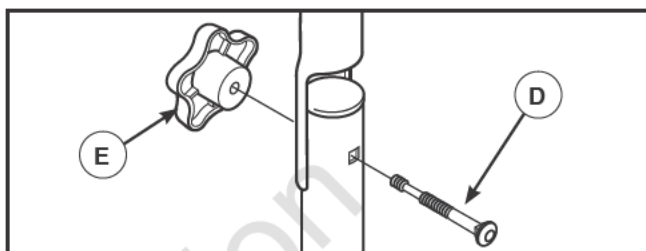
1. Fill out and send in registration card.
2. Attach handle and accessory tray to main unit.
3. Add oil to engine crankcase.
4. Add fuel to fuel tank.
5. Connect high pressure hose to spray gun and pump.
6. Connect water supply to pump.
7. Attach nozzle extension to spray gun.
8. Select/attach quick connect 7-in-1 nozzle to nozzle extension.

### Attach Handle and Accessory Tray

1. Place handle (A) onto handle supports (B) connected to main unit. Make sure holes (C) in handle align with holes (C) on handle supports.

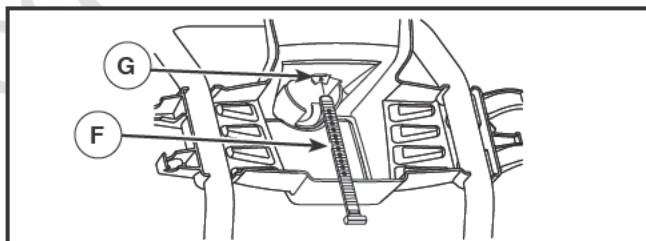


2. Insert handle carriage bolts (D) through holes from inside of unit and attach a plastic knob (E) from outside of unit. Tighten by hand.

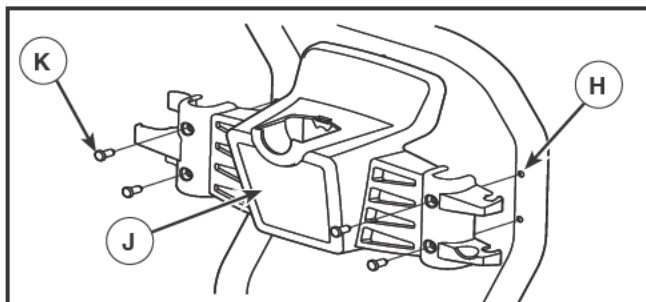


**NOTICE** By loosening both knobs to the unthreaded middle section of the attachment bolt, the upper handle can fold forward to store flat atop the cold engine. **DO NOT** fold the handle down while the engine is hot.

3. Insert rubber strap (F) through slot (G) in back of accessory tray and pull tight from front.



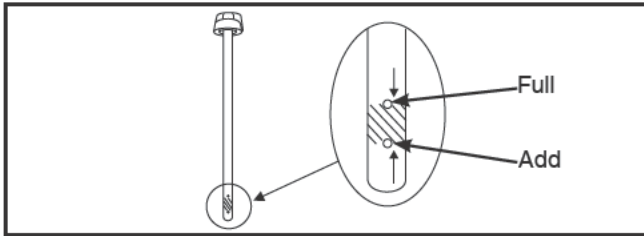
4. Place accessory tray (J) over holes (H) on handle (viewing from front of unit). Push the tree clips (K) into the holes until they sit flat against the accessory tray.



5. Insert supplied accessories in spaces provided in accessory tray. See *How to Use Accessory Tray*.

## Add Engine Oil

1. Place pressure washer on a flat, level surface.
2. Clean area around oil fill and remove yellow oil fill cap/dipstick.
3. Hold neck of supplied oil pouch and remove cap.
4. Slowly pour contents of oil pouch into oil fill opening. Checking oil level frequently, fill to FULL mark (top hole) on dipstick.



**NOTICE** Pause to permit oil to settle. Wipe dipstick clean each time oil level is checked. DO NOT overfill.

**NOTICE** Improper treatment of pressure washer could damage it and shorten its life.

- DO NOT attempt to crank or start the engine before it has been properly serviced with the recommended oil. This could result in an engine failure.

5. Replace oil fill cap/dipstick and fully tighten.

## Add Fuel

Fuel must meet these requirements:

- Clean, fresh, unleaded gasoline.
- A minimum of 87 octane/87 AKI (91 RON). For high altitude use, see *High Altitude*.
- Gasoline with up to 10% ethanol (gasohol) is acceptable.

**NOTICE** Use of unapproved fuels could damage pressure washer and voids warranty.

- DO NOT use unapproved gasoline such as E15 and E85.
- DO NOT mix oil in gasoline or modify engine to run on alternate fuels.

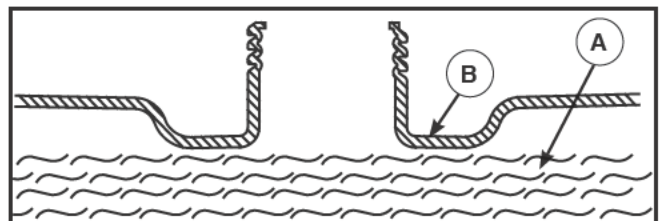
To protect the fuel system from gum formation, mix in a fuel stabilizer when adding fuel. See *Storage*. All fuel is not the same. If you experience starting or performance problems after using fuel, switch to a different fuel provider or change brands. This engine is certified to operate on gasoline. The emission control system for this engine is EM (Engine Modifications).

**WARNING** Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.

### WHEN ADDING FUEL

- Turn pressure washer engine OFF and let it cool at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Fill fuel tank outdoors.
- DO NOT overfill tank. Allow space for fuel expansion.
- If fuel spills, wait until it evaporates before starting engine.
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace if necessary.
- DO NOT light a cigarette or smoke.

1. Clean area around fuel fill cap, remove cap.
2. Slowly add regular unleaded fuel (A) to fuel tank (B). Be careful not to overfill. To allow for fuel expansion, do not fill above the bottom of the fuel tank neck.



3. Install fuel cap and let any spilled fuel evaporate before starting engine.

### High Altitude

At altitudes over 5,000 ft. (1,524 m), a minimum 85 octane / 85 AKI (89 RON) gasoline is acceptable. To remain emissions compliant, high altitude adjustment is required. Operation without this adjustment will cause decreased performance, increased fuel consumption, and increased emissions. See an Authorized Briggs & Stratton dealer for high altitude adjustment information. Operation of the engine at altitudes below 2,500 ft. (762 m) with the high altitude kit is not recommended.

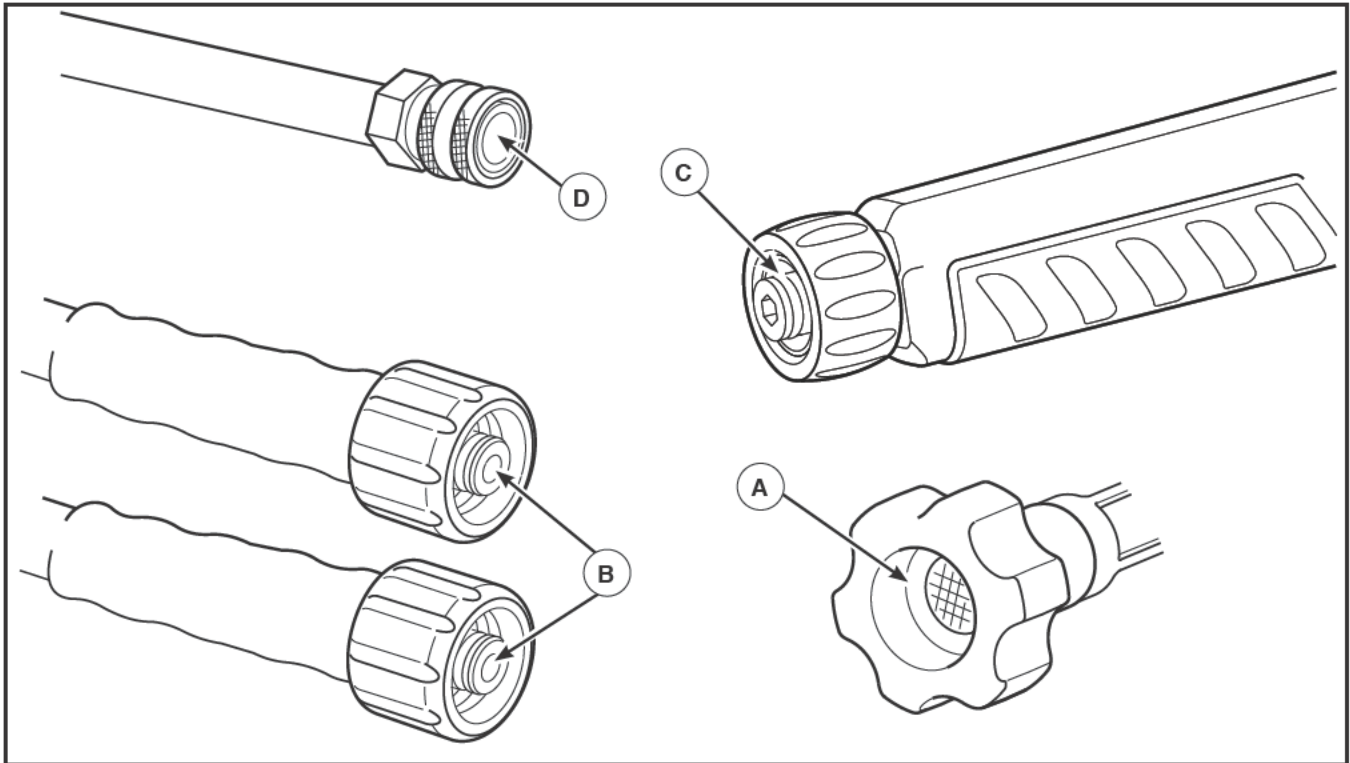
### Lubricate O-Rings

Lubrication of o-rings is extremely important for installation and operation. The use of a lubricant (petroleum or synthetic grease) during assembly helps seat o-rings properly and provides an improved seal. It also helps protect the o-ring from damage by abrasion, pinching or cutting and extends the life of the o-ring.

**NOTICE** ALWAYS apply a small amount of lubricant on o-rings prior to assembling the garden hose to the pump (A), high pressure hose (B), spray gun (C), and nozzle extension (D).

**Lubricate all connections shown below, following these instructions:**

1. Inspect and clean connecting surfaces prior to lubrication and assembly.
2. Use lubricants sparingly during assembly; a light film is all that is required.
3. Use a small brush or cotton swab to apply grease directly to o-rings where they are not accessible (QC fitting, M22 fitting).





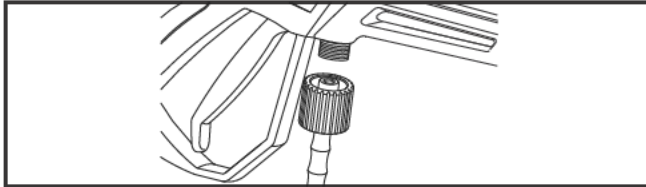
## Connect Hose and Water Supply to Pump

**NOTICE** 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.

**NOTICE** Remove and discard the shipping caps from the pump's high pressure outlet and water inlet before attaching hoses.

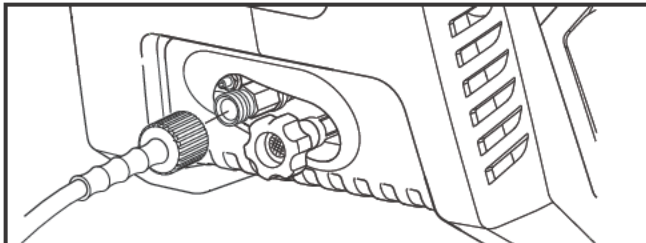
1. Uncoil high pressure hose and attach one end of hose to base of spray gun. Tighten by hand.



**WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

- NEVER connect high pressure hose to nozzle extension.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- Always be certain spray gun, nozzles and accessories are correctly attached.

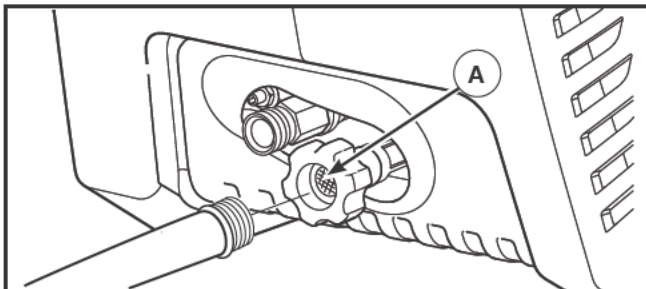
2. Attach other end of high pressure hose to high pressure outlet on pump. Tighten by hand.



3. Run water through your garden hose for 30 seconds to clean out any debris.

**NOTICE** DO NOT siphon standing water for the water supply. Use ONLY cold water (less than 100°F (38°C)).

4. Before connecting garden hose to water inlet, inspect inlet screen (A). Clean screen if it contains debris or have it replaced if damaged. DO NOT run pressure washer if inlet screen is damaged.



**NOTICE** Using a One Way Valve (vacuum breaker or check valve) at pump inlet could cause pump or inlet connector damage.

- There MUST be at least 10 ft. (3 m) of unrestricted garden hose between the pressure washer inlet and any device, such as a vacuum breaker or check valve.
- Damage to equipment resulting from failure to follow this instruction will void warranty.

5. Connect the garden hose (not to exceed 50 ft. (15 m) in length) to the water inlet. Tighten by hand.

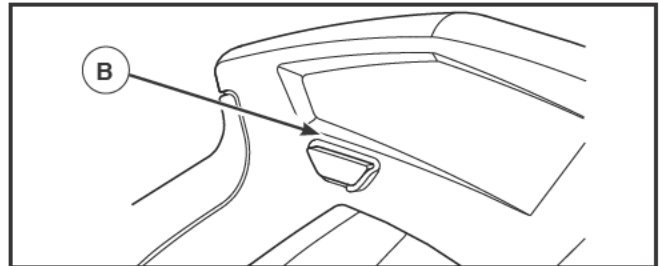
**WARNING** Risk of eye injury.



Spray could splash back or propel objects resulting in serious injury.

- Always wear indirect vented (chemical splash) safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of this equipment.
- NEVER substitute safety glasses or dry-condition goggles for indirect vented safety goggles.

6. Turn ON the water, press red button (B) on the gun and squeeze the trigger to purge the pump system of air and impurities.



### Checklist Before Starting Engine

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

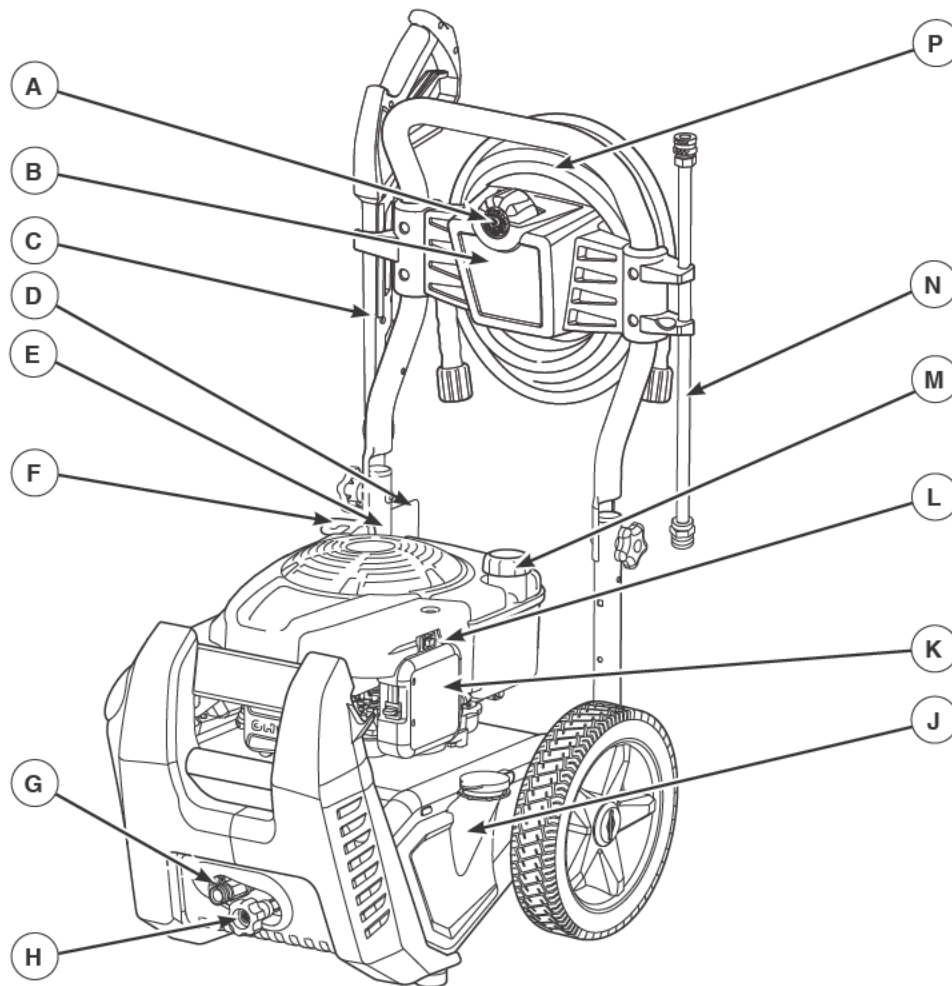
1. Be sure to read *Operator Safety and Operation* before using pressure washer.
2. Make sure handle is in place and secure.
3. Check that oil has been added to proper level in the engine crankcase.
4. Add proper fuel to fuel tank.
5. Check for properly tightened hose connections.
6. Check to make sure there are no kinks, cuts, or damage to high pressure hose.
7. Provide a proper water supply at an adequate flow.

## Features and Controls



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

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



**A - 7-in-1 Nozzle** — Contains seven different spray pattern nozzles for various applications.

**B - Accessory Tray** — Provides convenient storage for standard and optional accessories.

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

**D - Warning Label** — Identifies hazards to be avoided when using your pressure washer.

**E - Oil Fill/Dipstick** — Check, fill and drain engine oil here.

**F - Recoil Starter** — Used for starting the engine manually.

**G - High Pressure Outlet** — Connection for high pressure hose.

**H - Water Supply Inlet** — Connect to water supply using a 50 ft. (15.24 m) maximum garden hose.

**J - Detergent Tank** — Use to hold up to 0.5 gallon (1.9 l) of pressure washer safe detergent.

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

**L - Engine Rocker Switch** — Push this switch to ON (I) position to turn pressure washer ON. Push this switch to OFF (O) position to turn pressure washer OFF.

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

**N - Nozzle Extension with Quick Connect** — Allows you to switch between 7-in-1 nozzle and optional accessories.

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

### Items Not Shown:

**Pump** — Develops high pressure.

**Identification Label** — Provides model and serial number of pressure washer. Please have these readily available if calling for assistance.

## Operation

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

### Pressure Washer Location

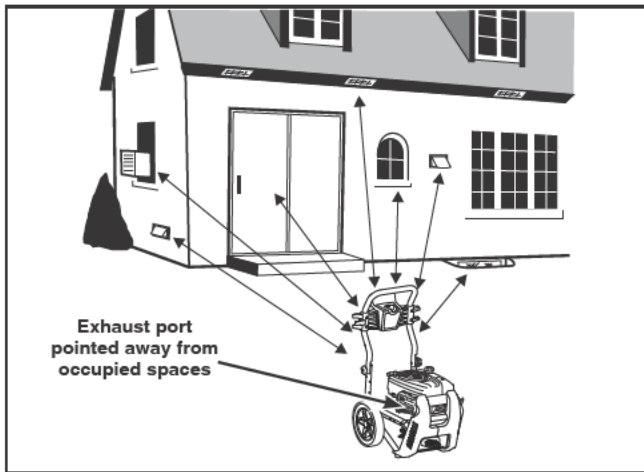
#### Carbon Monoxide Poisoning

##### **WARNING** POISONOUS GAS HAZARD.

Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You CANNOT smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas.

- Operate this product ONLY outside far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions. Smoke alarms cannot detect carbon monoxide gas.
- DO NOT run this product inside homes, garages, basements, crawlspaces, sheds, or other partially-enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.
- ALWAYS place this product downwind and point the engine exhaust away from occupied spaces.

If you start to feel sick, dizzy, or weak while using this product, get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.



#### Risk of Fire Clearances

##### **WARNING** Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.

- Keep at least 5 ft. (1.5 m) clearance on all sides of pressure washer including overhead.

## How to Start Your Pressure Washer

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

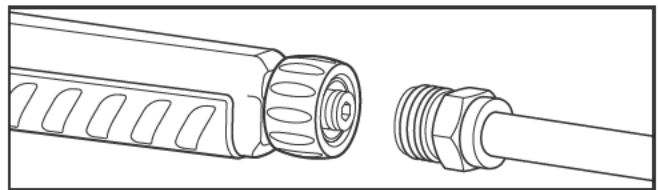
1. Place pressure washer near an outside water source capable of supplying water at a flow rate greater than 7.0 gallons (26.5 l) per minute and no less than 25 PSI (1.7 BAR) at pressure washer end of garden hose. DO NOT siphon supply water.

**NOTICE** To get maximum performance of the POWERflow+ Technology, inlet water flow should be greater than 7 GPM.

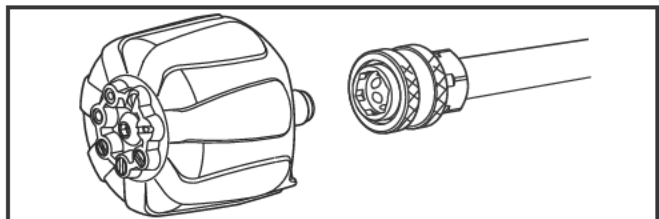
2. Check that high pressure hose is tightly connected to spray gun and pump. See *Assembly* section.
3. Make sure unit is in a level position.
4. Connect garden hose to water inlet on pressure washer pump.

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

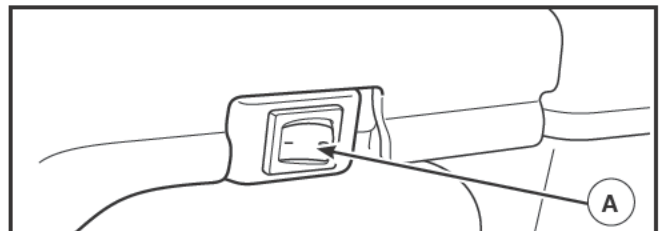
- Damage to equipment resulting from failure to follow this instruction will void warranty.
5. Turn ON water, point gun in a safe direction, press red button and squeeze trigger to purge pump system of air and impurities.
  6. Attach nozzle extension to spray gun. Tighten by hand.



7. Pull back on collar of nozzle extension, insert 7-in-1 nozzle and release collar. You may have to twist 7-in-1 nozzle to seat properly in nozzle extension. Tug on 7-in-1 nozzle to make sure it is securely in place. See *How to Use 7-in-1 Nozzle*.




8. Push engine rocker switch (A) to ON (I) position.





**NOTICE** Before starting the pressure washer, be sure you are wearing safety goggles as described below.


**⚠ WARNING** Risk of eye injury.  
 Spray could splash back or propel objects resulting in serious injury.

- Always wear indirect vented (chemical splash) safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of this equipment.
- NEVER substitute safety glasses or dry-condition goggles for indirect vented safety goggles.

**NOTICE** This unit is equipped with a ReadyStart® engine. A ReadyStart® engine means there is no priming or choking required.


9. When starting engine, position yourself as recommended and grasp starter grip handle and pull slowly until you feel some resistance. Then pull rapidly to start engine.



**⚠ WARNING** Starter cord kickback (rapid retraction) will pull hand and arm toward engine faster than you can let go which could cause broken bones, fractures, bruises, or sprains resulting in serious injury.  




- NEVER pull starter cord without first relieving spray gun pressure.
- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- After each starting attempt, where engine fails to run, always point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

10. Return starter grip handle slowly. DO NOT let rope "snap back" against starter.

**⚠ WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.  


Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

- DO NOT allow CHILDREN to operate pressure washer.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- NEVER aim spray gun at people, animals, or plants.
- 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.

**⚠ WARNING** Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.  
 

Contact with muffler area could cause burns resulting in serious injury.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 ft. (1.5 m) of clearance on all sides of pressure washer including overhead.
- It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws.

Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.

- Replacement parts must be the same and installed in the same position as the original parts.



## How to Stop Your Pressure Washer

1. Release spray gun trigger and let engine idle for two minutes.
2. Push engine rocker switch to OFF (0) position.
3. ALWAYS point gun in a safe direction and press red button and squeeze spray gun trigger to release retained high water pressure.



**WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

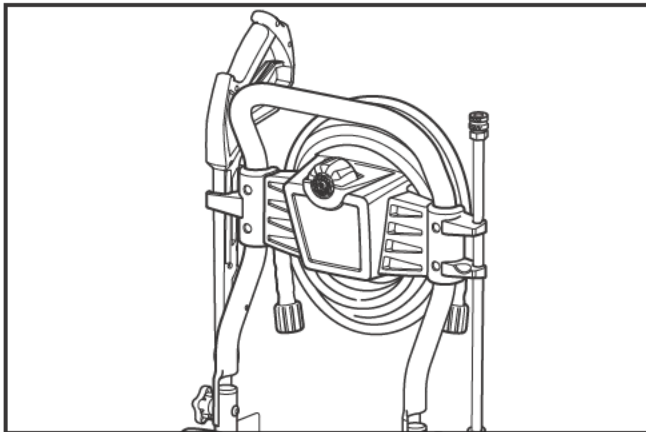
Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure, every time you stop engine.

## How to Use Accessory Tray

The unit is equipped with an accessory tray to store your spray gun, nozzle extension, 7-in-1 nozzle and high pressure hose.

1. Place nozzle extension in slots on left side of accessory tray (viewing from rear of unit) and snap in.



2. Place spray gun through grooves on right side of accessory tray.
3. Insert 7-in-1 nozzle in space provided on front of accessory tray.

4. Wrap high pressure hose and hang on hook of accessory tray, pull rubber strap tight over high pressure hose and place hole in strap over tab on back of accessory tray.

## How to Use 7-in-1 Nozzle

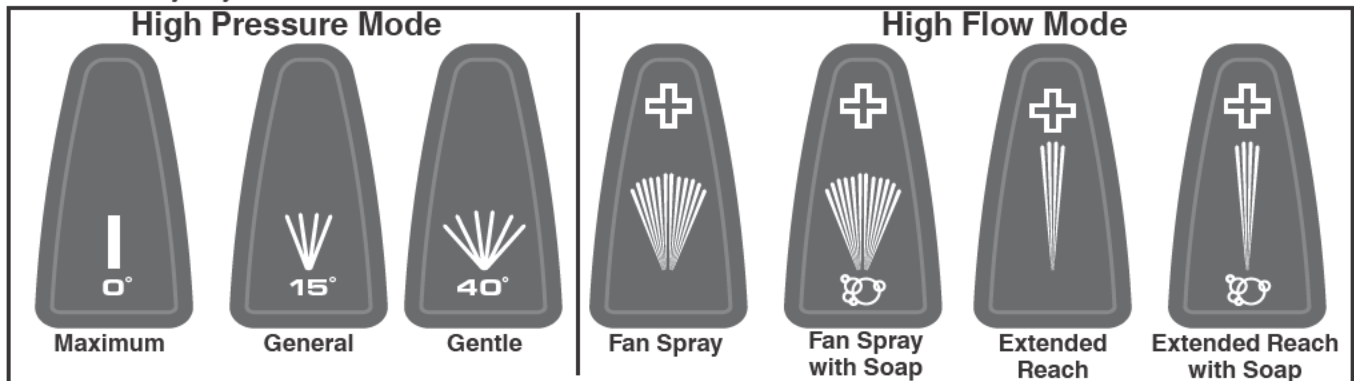
The 7-in-1 nozzle allows you to switch between seven different spray pattern nozzles. Release trigger on spray gun to engage safety lock before changing spray patterns. The spray patterns vary as shown below.

**Follow these instructions to change nozzle patterns:**

1. Select desired spray pattern:
  - Select Maximum 0° nozzle setting for stubborn or hard to reach surface such as second story surfaces, paint removal, oil stains, rust removal or other stubborn substances (tar, gum, grease, wax, etc.).
  - Select General 15° nozzle setting for tougher cleaning tasks. Ideal for removing grease and dirt from hard surfaces. Also capable of stripping paint when held at a 45° angle.
  - Select Gentle 40° nozzle setting for gentle cleaning of cars/trucks, boats, RV's, patio furniture, lawn equipment, etc.
  - Select Fan Spray nozzle setting for optimal high flow rinsing away of light dirt and debris.
  - Select Fan Spray with Soap nozzle setting for delicate surface cleaning of cars, trucks, childrens play equipment, patio furniture, etc.
  - Select Extended Reach nozzle setting for quick high flow clean up and long reach cleaning of second story siding and windows.
  - Select Extended Reach with Soap nozzle setting to propell soap to second story siding and windows.
2. Turn dial until desired spray pattern lines up with arrow on 7-in-1 nozzle.

## Usage Tips

- For most effective cleaning when in High Pressure Mode, keep 7-in-1 nozzle from 8 to 24 inches away from cleaning surface.
- If you get 7-in-1 nozzle too close, especially using a high pressure spray pattern nozzle, you may damage surface being cleaned.
- DO NOT get closer than 6 inches (15 cm) when cleaning tires.



## Applying Detergent



**WARNING** Chemical Burn Hazard.  
Chemicals could cause burns resulting in death or serious injury.

- DO NOT use caustic liquid with pressure washer.
- Use ONLY pressure washer safe detergents/soaps. Follow all manufacturers instructions.

### To apply detergent, follow these steps:

1. Review use of 7-in-1 nozzle shown in *How to Use 7-in-1 Nozzle*.
2. Select appropriate detergent solution by job to be performed.
3. Remove cap from detergent tank.
4. Fill tank with detergent solution.
5. Place cap back onto detergent tank.
6. Make sure one of the soap spray pattern nozzles is selected on 7-in-1 nozzle.

**NOTICE** Detergent cannot be applied with non soap nozzle setting (maximum, general, gentle, fan spray or extended reach).

7. Make sure garden hose is connected to water inlet. Check that high pressure hose is connected to spray gun and high pressure outlet on pump. Turn on water.

**NOTICE** You must attach all hoses before you start the pressure washer.

8. Start the pressure washer as instructed in *How to Start Your Pressure Washer*.
9. Apply detergent to a dry surface, starting at lower portion of area to be washed and work upward using long, even, overlapping strokes.
10. Allow detergent to “soak in” for 3-5 minutes before washing and rinsing. Reapply as needed to prevent surface from drying. To prevent streaking, Do Not allow detergent to dry on surface.

## Pressure Washer Rinsing

### For Rinsing:

1. Select desired non soap nozzle setting following instructions *How to Use 7-in-1 Nozzle*.
2. Keep spray gun a safe distance from area you plan to spray.



**WARNING** Risk of Kickback.

Spray gun could kickback causing you to fall resulting in death or serious injury.

- Operate the pressure washer from a stable surface.
- Be extremely careful if you must use the pressure washer from a ladder, scaffolding, or any other similar location.
- Firmly grasp spray gun with both hands when using power spray modes to avoid injury when spray gun kicks back.

3. Apply a high pressure spray to a small area and then check surface for damage. If no damage is found, you can assume it is okay to continue rinsing.
4. Start at top of 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°-155°F (52°-68°C). The system engages to cool the pump by **discharging the warm water onto the ground.**

# Maintenance

## Maintenance Schedule

Follow the hourly or calendar intervals, whichever occurs first. More frequent service is required when operating in adverse conditions noted below.

|  |
|--|
| <b>First 5 Hours</b>   |
| <ul style="list-style-type: none"><li>• Change engine oil</li></ul>  |
| <b>Every 8 Hours or Daily</b>  |
| <ul style="list-style-type: none"><li>• Check/clean water inlet screen<sup>1</sup></li><li>• Check high pressure hose</li><li>• Check detergent siphoning tube/tank</li><li>• Check spray gun and assembly for leaks</li><li>• Clean debris</li><li>• Check engine oil level</li></ul> |
| <b>Every 50 Hours or Yearly</b>  |
| <ul style="list-style-type: none"><li>• Clean engine air cleaner<sup>2</sup></li><li>• Change engine oil<sup>2</sup></li><li>• Inspect muffler and spark arrester</li></ul>  |
| <b>Every 200 Hours or Yearly</b>   |
| <ul style="list-style-type: none"><li>• Replace engine air cleaner<sup>2</sup></li></ul>   |
| <b>Yearly</b>  |
| <ul style="list-style-type: none"><li>• Replace spark plug</li><li>• Clean cooling system<sup>2</sup></li></ul>  |

<sup>1</sup> Clean if clogged. Replace if perforated or torn.

<sup>2</sup> Service more often under dirty or dusty conditions.

## General Recommendations

Regular maintenance will improve the performance and extend the life of the pressure washer. See any qualified dealer for service.

The pressure washer's 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, including proper storage as detailed in *Winter Storage* and *Long Term Storage*.

**NOTICE** Should you have questions about replacing components on your pressure washer, please call (800) 743-4115 for assistance.

**NOTICE** Your pressure washer was designed and intended to be used with POWERflow+ components ONLY. Using components that are not designed for POWERflow+ will cause your pressure washer to not function optimally.

Some adjustments will need to be made periodically to properly maintain your pressure washer.

All service and adjustments should be made at least once each season. A new spark plug and clean air filter assure proper fuel-air mixture and help your engine run better and last longer. Follow the requirements in the *Maintenance Schedule* chart above.

## Pump Oil

DO NOT attempt any oil maintenance on this pump. The pump is pre-lubricated and sealed from the factory, requiring no additional maintenance for the life of the pump.

## Emissions Control

**Maintenance, replacement, or repair of the emissions control devices and systems may be performed by any non-road engine repair establishment or individual.** However, to obtain "no charge" emissions control service, the work must be performed by a factory authorized dealer. See the *Emissions Warranty*.

## Before Each Use

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

## Pressure Washer Maintenance

### Clean Debris

Daily or before use, clean accumulated debris from pressure washer. Keep linkage, spring and controls clean. Keep area around and behind muffler free from any combustible debris. Inspect cooling air slots and openings on the pressure washer. These openings must be kept clean and unobstructed.

pressure washer parts should be kept clean to reduce the risk of overheating and ignition of accumulated debris.

- Use a damp cloth to wipe exterior surfaces clean.

**NOTICE** Improper treatment of pressure washer could damage it and shorten its life.

- DO NOT insert any objects through cooling slots.
  - Use a soft bristle brush to loosen caked on dirt, oil, etc.
  - Use a vacuum cleaner to pick up loose dirt and debris.

### Check and Clean Inlet Screen

Examine the screen on the pump's 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 could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

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

### Check Detergent Siphoning Tube/Tank

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

### Detergent Siphoning Check Ball

Occasionally check ball in detergent siphoning system may become stuck from storage, dried soap, or minerals in water. The check ball can be freed by performing the following:

**NOTICE** Before performing this procedure, be sure you are wearing safety goggles as described below.



**WARNING** Risk of eye injury. Spray could splash back or propel objects resulting in serious injury.

- Always wear indirect vented (chemical splash) safety goggles marked to comply with ANSI Z87.1 when using or in vicinity of this equipment.
- NEVER substitute safety glasses or dry-condition goggles for indirect vented safety goggles.

1. Shut OFF engine and turn off water supply.
2. ALWAYS point spray gun in a safe direction, press red button and squeeze spray gun trigger to release retained high water pressure.



**WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.

- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure, every time you stop engine.

3. Remove detergent siphoning hose from barbed fitting on pump.

4. Using a firm, blunt object 7/64" in diameter or smaller, by at least 1" long, such as an Allen wrench, slowly insert the object into the barbed fitting until you meet resistance. This resistance is the check ball.
5. Slowly push down until you feel the ball move slightly, push no more than 1/8". Slight pressure may be required to free the ball.
6. Repeat steps 4 and 5 if necessary.
7. Reinstall detergent siphoning hose onto barb fitting.
8. Treat with PumpSaver as described in *Protecting the Pump* during storage to prevent reoccurrence.

### Check Spray Gun

Examine the hose connection to the spray gun and make sure it is secure. Test the trigger by pressing the red button and making sure the trigger "springs back" into place when you release it. You should not be able to press the trigger without pressing the red button. Replace spray gun immediately if it fails any of these tests.

### 7-in-1 Nozzle Maintenance

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

1. Shut OFF engine and turn off water supply.
2. Disconnect water supply at the pressure washer.
3. ALWAYS point spray gun in a safe direction, press trigger lock button and squeeze spray gun trigger to release retained high water pressure.

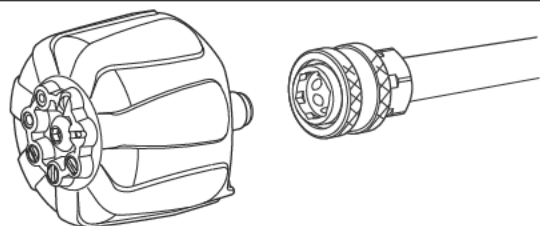


**WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

Spray gun traps high water pressure, even when motor is stopped and water is disconnected, which could result in serious injury.

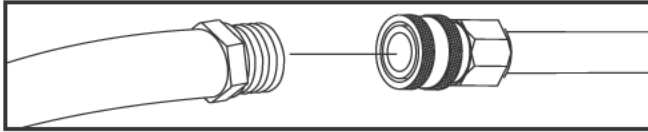
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, squeeze spray gun trigger to release high pressure, every time you turn off pressure washer.

4. Remove 7-in-1 nozzle from end of nozzle extension.





5. Use small paper clip to free any foreign material clogging or restricting any of the nozzles.
6. Using a garden hose, remove additional debris by back flushing water through nozzle extension. Back flush between 30 to 60 seconds.



7. Reinstall 7-in-1 nozzle into nozzle extension.
8. Reconnect nozzle extension to spray gun.
9. Make sure garden hose is connected to water inlet. Check that high pressure hose is connected to spray gun. Turn on water.
10. Test the pressure washer by operating with each nozzle setting.

### O-Ring Maintenance

Purchase an O-Ring/Maintenance Kit, model 705001, by contacting the nearest authorized service center. It is not included with the pressure washer. This kit includes replacement o-rings, rubber washer and water inlet filter. Refer to the instruction sheet provided in the kit to service your unit's o-rings.

**WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation.

- NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.

### Engine Maintenance

**WARNING** Unintentional sparking could cause fire or electric shock resulting in death or serious injury.



#### 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.

#### WHEN TESTING FOR ENGINE SPARK

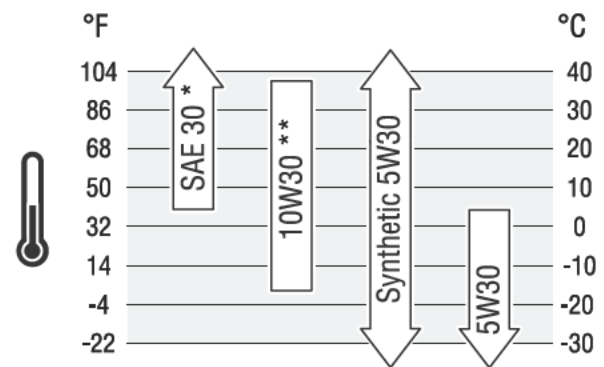
- Use approved spark plug tester.
- DO NOT check for spark with spark plug removed.

### Oil

#### Oil Recommendations

We recommend the use of Briggs & Stratton Warranty Certified oils for best performance. Other high-quality detergent oils are acceptable if classified for service SF, SG, SH, SJ or higher. DO NOT use special additives.

Outdoor temperatures determine the proper oil viscosity for the engine. Use the chart to select the best viscosity for the outdoor temperature range expected.



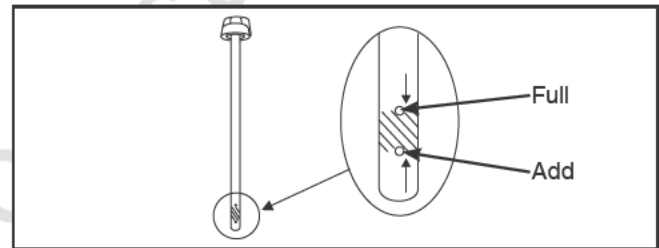
\* Below 40°F (4°C) the use of SAE 30 will result in hard starting.

\*\* Above 80°F (27°C) the use of 10W30 may cause increased oil consumption. Check oil level more frequently.

### Checking Oil Level

Oil level should be checked prior to each use or at least every 8 hours of operation. Keep oil level maintained.

1. Make sure pressure washer is on a level surface.
2. Remove oil dipstick and wipe dipstick with clean cloth. Replace and tighten dipstick. Remove and check oil level.
3. Verify oil is at FULL mark (top hole) on dipstick. Replace and tighten dipstick.



### Adding Engine Oil

1. Make sure pressure washer is on a level surface.
2. Check oil level as described in *Checking Oil Level*.
3. If needed, slowly pour oil into oil fill opening to the FULL mark (top hole) on dipstick. DO NOT overfill.

**NOTICE** Overfilling with oil could cause the engine to not start, or hard starting.

- DO NOT overfill.
- If over the FULL mark on dipstick, drain oil to reduce oil level to FULL mark on dipstick.

4. Replace and tighten dipstick.

## Changing Engine Oil

If you are using your pressure washer under extremely dirty or dusty conditions, or in extremely hot weather, change the oil more often.

**⚠ 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.

**Change oil while engine is still warm from running, as follows:**

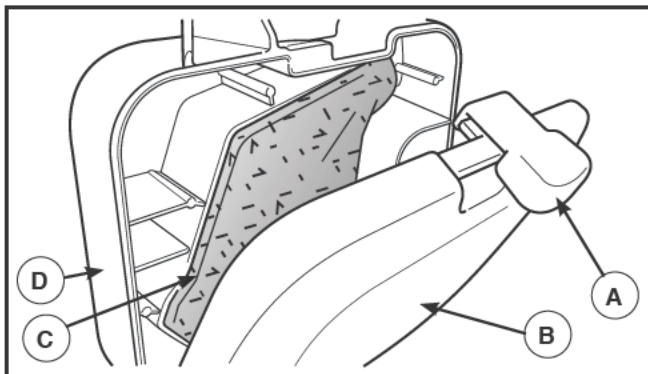
1. Drain fuel tank by running pressure washer until fuel tank is empty.
2. Disconnect spark plug wire and keep it away from spark plug.
3. Clean area around oil fill, remove oil fill cap/dipstick. Wipe dipstick clean.
4. Tip your pressure washer to drain oil from oil fill into a suitable container making sure you tip your unit away from spark plug. When crankcase is empty, return pressure washer to upright position.
5. Slowly pour recommended oil (about 20 oz. (0.59 liters)) into oil fill opening. Pause to permit oil to settle. Fill to FULL mark (top hole) on dipstick.
6. Wipe dipstick clean each time oil level is checked. DO NOT overfill.
7. Replace and tighten dipstick.
8. Wipe up any remaining oil.
9. Reconnect spark plug wire to spark plug.

## Service Air Cleaner

Your engine will not run properly and may be damaged if you run it with a dirty air cleaner. Service more often if operating under dirty or dusty conditions.

**To service the air cleaner, follow these steps:**

1. Slide air cleaner lever (A) to unlock (■) position and tilt cover (B) down.

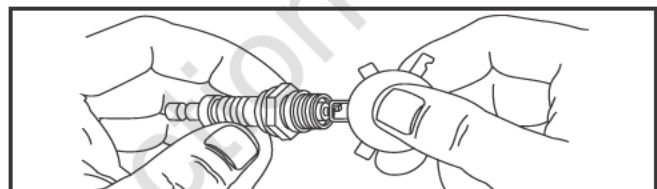


2. Carefully remove air cleaner to prevent debris from falling into carburetor.
3. Wash foam air cleaner (C) in liquid detergent and water. Squeeze dry in a clean cloth.
4. SATURATE foam air cleaner in engine oil and squeeze in a clean cloth to remove excess oil.
5. Reinstall clean or new foam air cleaner in base (D).
6. Tilt cover up and slide lever to lock (■) position.

## Service Spark Plug

Changing the spark plug will help your engine to start easier and run better.

1. Clean area around spark plug.
2. Remove and inspect spark plug.
3. Replace spark plug if electrodes are pitted, burned or porcelain is cracked. Use the recommended replacement plug. See *Specifications*.
4. Check electrode gap with wire feeler gauge and reset spark plug gap to recommended gap if necessary (see *Specifications*).



5. Install spark plug and tighten firmly.

## Inspect Muffler and Spark Arrester

Inspect the muffler for cracks, corrosion, or other damage. Remove the spark arrester, if equipped, and inspect for damage or carbon blockage. If replacement parts are required, make sure to use only original equipment replacement parts.

**⚠ WARNING** Exhaust heat/gases could ignite combustibles, structures or damage fuel tank causing a fire, resulting in death or serious injury.

Contact with muffler area could cause burns resulting in serious injury.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 ft. (1.5 m) of clearance on all sides of pressure washer including overhead.
- It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws.

Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.


- Replacement parts must be the same and installed in the same position as the original parts.

### Air Cooling System

Over time debris may accumulate in cylinder cooling fins and cannot be observed without partial engine disassembly. For this reason, we recommend you have a qualified service dealer clean the cooling system per recommended intervals (see *Maintenance Schedule* in beginning of *Maintenance* section). Equally important is to keep top of engine free from debris. See *Clean Debris*.

### Carburetor Adjustment


The carburetor on this engine is low emission. It is equipped with a non-adjustable idle mixture valve. Top speed has been set at the factory. If adjustment is required, see an authorized service dealer.

-  **CAUTION** Excessively high operating speeds could result in minor injury. Excessively low speeds impose a heavy load.
- DO NOT tamper with governor spring, links or other parts to increase engine speed. Pressure washer supplies correct rated pressure and flow when running at governed speed.
  - DO NOT modify pressure washer in any way.



### After Each Use

Water should not remain in the unit for long periods of time. Sediments or minerals can deposit on pump parts and freeze pump action. Follow these procedures after every use:

1. Flush detergent from pump by running pressure washer for one to two minutes with a non-soap high flow nozzle setting.
2. Shut OFF engine, turn off water supply, point gun in a safe direction, press red button and squeeze trigger to relieve trapped pressure, and let engine cool.

-  **WARNING** The high pressure stream of water that this equipment produces could cut through skin and its underlying tissues, resulting in serious injury and possible amputation. Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which could result in serious injury.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
  - ALWAYS point spray gun in safe direction, press red button and squeeze spray gun trigger to release high pressure, every time you stop engine.

3. Disconnect hose from spray gun and high pressure outlet on pump. Drain water from hose, gun, and nozzle extension. Use a rag to wipe off the hose.
4. Place the spray gun, nozzle extension, 7-in-1 nozzle and high pressure hose on the accessory tray.
5. Empty pump of all pumped liquids by pulling recoil handle about six times. This should remove most liquid in pump.
6. Store unit in a clean, dry area.
7. If storing for more than 30 days, see *Long Term Storage* on next page.

-  **WARNING** Fuel and its vapors are extremely flammable and explosive which could cause burns, fire or explosion resulting in death or serious injury.
-  **WHEN STORING FUEL 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 could ignite fuel vapors.



## Winter Storage

**NOTICE** 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.

### To protect the unit from freezing temperatures:

1. Empty detergent tank as follows:
  - a. Disconnect hose connected to barbed fitting on pump and place end of hose into suitable container.
  - b. Place suitable container under drain on detergent tank and unscrew cover from drain. Remove the tanks cover, tip pressure washer back slightly and empty tank contents into container.
  - c. Reconnect hose to barbed fitting on pump. Screw cap back on drain.
  - d. Add 1 pint (0.5 liter) of clean fresh water to detergent tank and close tanks cover.
2. Flush detergent tank by running pressure washer with one of the soap nozzles selected. Flush until tank is empty.
3. Follow steps 2-5 in the previous section *After Each Use*.
4. Use pump saver, Model 6039, to treat pump. This minimizes freeze damage and lubricates pistons and seals.
5. If pump saver is not available, connect a 3 ft. (1 m) section of garden hose to water inlet adapter. Pour RV-antifreeze (antifreeze without alcohol) into hose. Pull recoil handle twice. Disconnect 3 ft. (1 m) hose.
6. Store unit in a clean, dry area.

## Long Term Storage

If you do not plan to use the pressure washer for more than 30 days, you must prepare the engine and pump for long term storage.

### Protect Fuel System

#### Fuel Additive:

Fuel can become stale when stored over 30 days. Stale fuel causes acid and gum deposits to form in the fuel system or on essential carburetor parts. To keep fuel fresh, use Briggs & Stratton® Advanced Formula Fuel Treatment & Stabilizer, available wherever Briggs & Stratton genuine service parts are sold.

There is no need to drain gasoline from the engine if a fuel stabilizer is added according to instructions. Run the engine for 2 minutes to circulate the stabilizer throughout the fuel system before storage.

If gasoline in the engine has not been treated with a fuel stabilizer, it must be drained into an approved container. Run the engine until it stops from lack of fuel. The use of a fuel stabilizer in the storage container is recommended to maintain freshness.

### Change Oil

While engine is still warm, drain oil from crankcase. Refill with recommended grade. See *Changing Engine Oil* in *Engine Maintenance*.

### Protecting the Pump

To protect the pump from damage caused by mineral deposits or freezing, use PumpSaver, Model 6039, to treat pump. This prevents freeze damage and lubricates pistons and seals.

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


**NOTICE** 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.

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.

### Other Storage Tips

1. DO NOT store fuel from one season to another unless it has been treated as described in *Protect Fuel System*.
2. Replace fuel container if it starts to rust. Rust and/or dirt in fuel can cause problems if it's used with this unit.
3. Cover unit with a suitable protective cover that does not retain moisture.

 **WARNING** Storage covers could cause a fire resulting in death or serious injury.

- DO NOT place a storage cover over a hot pressure washer.
- Let equipment cool for a sufficient time before placing the cover on the equipment.

4. Store unit in a clean and dry area.



# 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"> <li>1. Water inlet is blocked.</li> <li>2. Inadequate water supply.</li> <li>3. Inlet hose is kinked or leaking.</li> <li>4. Clogged inlet hose screen.</li> <li>5. Water supply is over 100°F (38°C).</li> <li>6. High pressure hose is blocked or leaks.</li> <li>7. Spray gun leaks.</li> <li>8. 7-in-1 nozzle is obstructed.</li> <li>9. Pump is faulty.</li> </ol> | <ol style="list-style-type: none"> <li>1. Clear inlet.</li> <li>2. Provide adequate water flow.</li> <li>3. Straighten inlet hose, patch leak.</li> <li>4. Check and clean inlet hose screen.</li> <li>5. Provide cooler water supply.</li> <li>6. Clear blocks in outlet hose.</li> <li>7. Replace spray gun.</li> <li>8. Clean 7-in-1 nozzle.</li> <li>9. Contact local service facility.</li> </ol>  |
| Detergent fails to mix with spray.  | <ol style="list-style-type: none"> <li>1. Detergent siphoning tube is clogged or cracked.</li> <li>2. Check ball stuck in detergent siphoning system.</li> <li>3. High pressure or high flow without soap nozzle is selected.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Clean or replace detergent siphoning tube.</li> <li>2. Unstick check ball as described in <i>Detergent Siphoning Check Ball</i>.</li> <li>3. Select a high flow soap nozzle setting (indicated with bubbles).</li> </ol>  |
| Engine will not start; starts and runs rough or shuts down during operation.  | <ol style="list-style-type: none"> <li>1. Engine rocker switch set to OFF (0) position.</li> <li>2. Low oil level.</li> <li>3. Dirty air cleaner.</li> <li>4. Out of fuel.</li> <li>5. Stale fuel.</li> <li>6. Spark plug wire not connected to spark plug.</li> <li>7. Bad spark plug.</li> <li>8. Water in fuel.</li> <li>9. Excessively rich fuel mixture.</li> </ol>                                   | <ol style="list-style-type: none"> <li>1. Set engine rocker switch to ON (I) position.</li> <li>2. Fill crankcase to proper level.</li> <li>3. Clean or replace air cleaner.</li> <li>4. Fill fuel tank.</li> <li>5. Drain fuel tank; fill with fresh fuel.</li> <li>6. Connect wire to spark plug.</li> <li>7. Replace spark plug.</li> <li>8. Drain fuel tank; fill with fresh fuel.</li> <li>9. Contact local service facility.</li> </ol> |
| Engine lacks power.   | Dirty air filter.  | Replace air filter.   |

**LIMITED WARRANTY**

Briggs & Stratton warrants that, during the warranty period specified below, it will repair or replace, free of charge, any part that is defective in material or workmanship or both. Transportation charges on product submitted for repair or replacement under this warranty must be borne by purchaser. This warranty is effective for and is subject to the time periods and conditions stated below. For warranty service, find the nearest Authorized Service Dealer in our dealer locator map at [BRIGGSandSTRATTON.com](http://BRIGGSandSTRATTON.com). The purchaser must contact the Authorized Service Dealer, and then make the product available to the Authorized Service Dealer for inspection and testing.

**There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to the warranty period listed below, or to the extent permitted by law. Liability for incidental or consequential damages are excluded to the extent exclusion is permitted by law.** Some states or countries do not allow limitations on how long an implied warranty lasts, and some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.\*\*

**WARRANTY PERIOD**

| Item                  | Consumer Use | Commercial Use |
|-----------------------|--------------|----------------|
| Equipment             | 24 months    | 3 months       |
| Engine*               | 24 months    | 3 months       |
| Battery (if equipped) | 3 months     | None           |

\* Applies to Briggs & Stratton engines only. Warranty coverage of non-Briggs & Stratton engines is provided by that engine manufacturer. Emissions-related components are covered by the Emissions Warranty Statement.

\*\* In Australia - Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For warranty service, find the nearest Authorized Service Dealer in our dealer locator map at [BRIGGSandSTRATTON.COM](http://BRIGGSandSTRATTON.COM), or by calling 1300 274 447, or by emailing or writing to [salesenquires@briggsandstratton.com.au](mailto:salesenquires@briggsandstratton.com.au), Briggs & Stratton Australia Pty Ltd, 1 Moorebank Avenue, NSW, Australia, 2170.

The warranty period begins on the date of purchase by the first retail or commercial consumer. "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 a product has experienced commercial use, it shall thereafter be considered as a commercial use product for purposes of this warranty.

To ensure prompt and complete warranty coverage, register your product at the website shown above or at [www.onlineproductregistration.com](http://www.onlineproductregistration.com), or mail the completed registration card (if provided), or call 1-800-743-4115 (in USA).

Save your proof of purchase receipt. If you do not provide proof of the initial purchase date at the time warranty service is requested, the manufacturing date of the product will be used to determine the warranty period. Product registration is not required to obtain warranty service on Briggs & Stratton products..

**ABOUT YOUR WARRANTY**

Warranty service is available only through Briggs & Stratton Authorized Service Dealers. This warranty covers only defects in materials or workmanship. It does not cover damage caused by improper use or abuse, improper maintenance or repair, normal wear and tear, or stale or unapproved fuel.

**Improper Use and Abuse** - The proper, intended use of this product is described in the Operator's Manual. Using the product in a way not described in the Operator's Manual or using the product after it has been damaged will not be covered under this warranty. Warranty coverage will also not be provided if the serial number on the product has been removed or the product has been altered or modified in any way, or if the product has evidence of abuse such as impact damage or water/chemical corrosion damage.

**Improper Maintenance or Repair** - This product must be maintained according to the procedures and schedules provided in the Operator's Manual, and serviced or repaired using genuine Briggs & Stratton parts or equivalent. Damage caused by lack of maintenance or use of non-original parts is not covered by warranty.

**Normal Wear and Tear** - Like most mechanical devices, your unit is subject to wear even when properly maintained. This warranty does not cover repairs when normal use has exhausted the life of a part or the equipment. Maintenance and wear items such as filters, belts, cutting blades, and brake pads (except engine brake pads) are not covered by warranty due to wear characteristics alone, unless the cause is due to defects in material or workmanship.

**Stale or Unapproved Fuel** - In order to function correctly, this product requires fresh fuel that conforms to the criteria specified in the Operator's Manual. Engine or equipment damage caused by stale fuel or the use of unapproved fuels (such as E15 or E85 ethanol blends) is not covered by warranty.

**Other Exclusions** - This warranty excludes damage due to accident, abuse, modifications, alterations, improper servicing, freezing or chemical deterioration.

Attachments or accessories that were not originally packaged with the product are also excluded. There is no warranty coverage on equipment used for primary power in place of utility power or on equipment used in life support applications. This warranty does not include used, reconditioned, second-hand, or demonstration equipment or engines. This warranty also excludes failures due to acts of God and other force majeure events beyond the manufacturer's control.





## Pressure Washer

### Product Specifications

|                                    |  |
|------------------------------------|--|
| Max Outlet Pressure . . . . .      | 3,000 PSI (207 BAR)* @ 2.3 GPM (8.7 LPM) |
| Max Flow Rate . . . . .            | 400 PSI (27.6 BAR) @ 5.0 GPM (19 LPM)*   |
| Water Supply Temperature . . . . . | 100°F (38°C) MAX                         |
| Displacement . . . . .             | 11.58 cu. in. (190 cc)                   |
| Spark Plug Gap . . . . .           | 0.020 in. (0.50 mm)                      |
| Fuel Capacity . . . . .            | 1.2 Qt. (1.13 Liters)                    |
| Oil Capacity . . . . .             | 20 Ounces (0.6 Liters)                   |

### Common Service Parts

|                                  |                  |
|----------------------------------|------------------|
| PumpSaver . . . . .              | 6039             |
| O-Ring Maintenance Kit . . . . . | 705001           |
| Water Inlet Screen . . . . .     | B2384GS          |
| Air Cleaner . . . . .            | 797301           |
| Spark Plug . . . . .             | 692051           |
| Engine Oil Bottle . . . . .      | 100005 or 100028 |
| Fuel Stabilizer . . . . .        | 100120 or 100117 |
| Spark Arrester . . . . .         | 593483           |

**Power Ratings:** The gross power rating for individual gasoline engine models is labeled in accordance with SAE (Society of Automotive Engineers) code J1940 Small Engine Power & Torque Rating Procedure, and is rated in accordance with SAE J1995. Torque values are derived at 2600 RPM for those engines with “rpm” called out on the label and 3060 RPM for all others; horsepower values are derived at 3600 RPM. The gross power curves can be viewed at [www.BRIGGSandSTRATTON.COM](http://www.BRIGGSandSTRATTON.COM). Net power values are taken with exhaust and air cleaner installed whereas gross power values are collected without these attachments. Actual gross engine power will be higher than net engine power and is affected by, among other things, ambient operating conditions and engine-to-engine variability. Given the wide array of products on which engines are placed, the gasoline engine may not develop the rated gross power when used in a given piece of power equipment. This difference is due to a variety of factors including, but not limited to, the variety of engine components (air cleaner, exhaust, charging, cooling, carburetor, fuel pump, etc.), application limitations, ambient operating conditions (temperature, humidity, altitude), and engine-to-engine variability. Due to manufacturing and capacity limitations, Briggs & Stratton may substitute an engine of higher rated power for this engine.

\* This pressure washer is rated in accordance to the Pressure Washer Manufacturers Association (PWMA) standard PW101-2010 (Testing and Rating Performance of Pressure Washers).

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