



PETROL PRESSURE CLEANER

125 85.609.007



USER MANUAL

V1.0 2026

RISK ASSESSMENT

Managing risks

This risk assessment identifies hazards, assesses risks and outlines control measures associated with the operation, transport, storage, servicing and maintenance of BAR Group's Cold Water Petrol-Powered High Pressure Cleaners.

Hazard	Potential Risk	Key Controls	Residual
High-pressure water	Injection/eye injury	Never spray people, PPE, trigger lock	Moderate
Damaged hoses	Burst/hose whip	Inspect before use; replace with pressure-rated parts	Low
Fuel/engine	Fire, burns, CO	Cool before refuel; outdoors only; isolate ignition	Low-Mod
Electrical	Shock/fire	Never spray live electrical equipment	Low
Slips/recoil	Falls/MSI	Stable footing, exclusion zone, non-slip boots	Low
Chemicals/runoff	Exposure/pollution	Follow SDS; contain runoff	Low-Mod
Maintenance	Equipment failure	Competent servicing; guards fitted	Low

Personal Protective Equipment (PPE)

- Safety footwear
- Hearing protection
- Long protective clothing
- Respiratory protection (where needed)
- Safety glasses
- Protective gloves
- Waterproof protective clothing

Safe Operating Procedures

1. Read and understand the operating manual
2. Inspect the machine and all elements before use.
3. Position the cleaner outdoors on a firm, level surface
4. Connect an adequate clean water supply
5. Purge air from the system before starting the engine.
6. Wear required PPE and maintain two-handed control of the gun
7. Never direct the spray at people, animals or live electrical equipment
8. Do not leave the machine unattended while operating.
9. Stop immediately if vibration, leakage, abnormal noise or loss of control occurs.
10. Allow engine and exhaust to cool before refuelling, transport, storage or maintenance.

RISK ASSESSMENT

Emergency Procedures

High Pressure Injection Injury: Stop work and seek immediate emergency medical treatment, even when the wound appears minor. Advise medical personnel that a high pressure injection injury is suspected.

Fire or Fuel Spill: Stop the engine if safe, remove ignition sources, use a suitable dry chemical or foam extinguisher and contain spills with approved absorbent material. Contact emergency services where required.

Carbon Monoxide Exposure: Stop the engine, move affected persons to fresh air immediately and seek urgent medical assistance. Do not re-enter the area until declared safe.

Hose or Equipment Failure: Release the trigger, stop the engine, isolate the water supply, relieve stored pressure and tag the equipment out of service.

Inspection, Maintenance & Records

- Complete a documented pre-start inspection before each use.
- Replace damaged hoses, couplings, nozzles, guards or trigger components immediately.
- Maintain engine oil, pump oil, filters, fuel system and unloader valve in accordance with the manual.
- Service and repair only by competent personnel; retain maintenance and incident records.
- Do not modify pressure settings, safety devices or guarding without written manufacturer approval.

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INTRODUCTION



Attention: Read through the complete manual prior to the initial use of your pressure cleaner.

Using the Operator's manual

The operating manual is an important part of your pressure cleaner. It should be read thoroughly before initial use, and referred to often to make sure adequate safety and service concerns are being addressed.

Reading the owner's manual thoroughly will help avoid any personal injury or damage to your machine. By knowing how best to operate this machine, you will be better positioned to show others who may also operate the unit.

This manual was written to take you from the safety requirements to the operating functions of your machine. You can refer back to the manual at any time to help troubleshoot any specific operating functions, so store it with the machine at all times.

PRODUCT IDENTIFICATION

If you need to contact an Authorized Dealer or Customer Service line (61-2-4577-2144) for information on servicing, always provide the product model and identification numbers.

You will need to locate the model and serial number for the machine and record the information in the places provided below.

Date of Purchase:
Dealer Name:
Dealer Phone:

Product Identification Numbers
Model Number:
Serial Number:

VISIT OUR WEBSITE FOR YOUR NEAREST AUTHORISED DEALER WWW.BARGROUP.AU
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SAFETY

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

WARNING - When using this product, the following precautions should always be observed and adhered to.

1. Read all instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when a product is used near children.
3. Know how to stop the product and bleed pressures quickly. Be thoroughly familiar with the controls. See page 24.
4. Stay alert - watch what you are doing.
5. Do not operate the product when fatigued or under the influence of alcohol or drugs.
6. Keep operating area clear of other people.
7. Do not overreach or stand on unstable support. Keep solid footing and balance at all times.
8. Follow the maintenance instructions specified in the manual.

Important Warnings

Failure to observe warnings will void warranty and/or cause injury.

1. Do not let the pressure washer overheat. Excess heat will cause severe damage (see below for details).
2. Never run the unit without water. Running the pump dry will cause it to quickly fail.
3. Do not let the unit freeze. Frozen water in the pump will cause serious damage.
4. Always wear eye protection when operating the unit.
5. High pressure spray can cause serious bodily injury of damage soft material. Use with caution.
6. Never adjust unloader to exceed the preset pressure. Premature wear, equipment failure, or injury may occur.

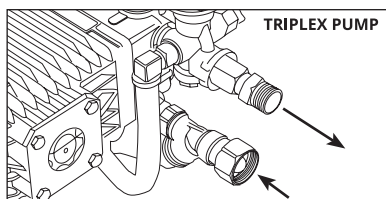
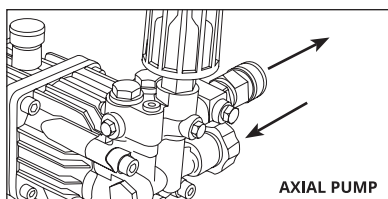
SAFETY

Cooling Information

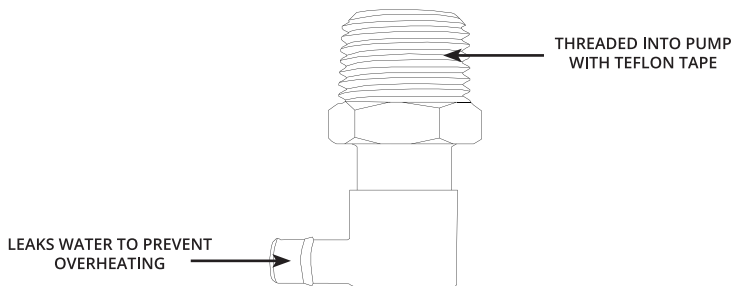
Motors are air cooled. It is important to ensure that machine is operated in a well ventilated area where it can draw a steady supply of fresh air. The arrows below show an example of locations for air intake on an engine.



Pumps are water cooled. When the machine is running, ensure the trigger of the gun is pressed to allow a constant flow of fresh water into and out of the pump. Do not let the machine run for more than **30 seconds** without pressing down on the trigger.



Most pumps are protected by a thermal valve. The thermal valve releases water if a pump starts to run too hot. It will prevent catastrophic heat failure. However, the pump may have suffered damage and need maintenance, repair, or replacement. If it does not reset and continues to leak water, the thermal valve may need to be replaced.



WARNING: Operating your pump in bypass mode for extended periods may void your warranty.

SAFETY

SAVE THESE INSTRUCTIONS

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.
NOTICE indicates a situation that could result in equipment or property damage.

Hazard Symbols and Meanings

 EXPLOSION	 FIRE	 ELECTRIC SHOCK	 TOXIC FUMES
 KICKBACK	 HOT SURFACE	 FLYING OBJECTS	 SLIPPERY
 FALL	 FLUID INJECTION	 MOVING PARTS	 READ MANUAL

SAFETY

WARNING



Fuel and its vapors are extremely flammable and explosive.



Fire or explosion can cause severe burns or death.

When Adding or Draining Fuel

- Turn pressure cleaner 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. Always 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.
- 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 tip engine or equipment at angle which causes fuel to spill.
- DO NOT spray flammable liquids.

When Transporting or Repairing Equipment

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

SAFETY

 WARNING



A running engine gives off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause headache, fatigue, dizziness, vomiting, confusion, seizures, nausea, fainting or death. Some chemicals or detergents may be harmful if inhaled or ingested, causing severe nausea, fainting, or poisoning.

- Operate pressure washer **ONLY** outdoors.
- Keep exhaust gas from entering a confined area through windows, doors, ventilation intakes, or other openings.
- **DO NOT** start or run engine indoors or in an enclosed area, even if windows and doors are open.
- 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 harmful vapors.

 WARNING



Starter cord kickback (rapid retraction) can result in bodily injury. Kickback will pull hand and arm toward engine faster than you can let go.

Broken bones, fractures, bruises, or sprains could result.

- **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 and squeeze spray gun trigger to release pressure.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

 WARNING



Risk of electrocution.

Contact with power source can cause electric shock or burn.

- **NEVER** spray near a power source.

SAFETY

WARNING



Use of pressure washer can create puddles and slippery surfaces.



Kickback from spray gun can cause you to fall.

- 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 cleaner 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



Contact with muffler area can result in serious burns.



Exhaust heat/gases can ignite combustibles, structures or damage fuel tank causing a fire.

- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool before touching.
- Keep at least 5 feet (1.5 m) of clearance on all sides of pressure cleaner including overhead.

WARNING



Risk of eye injury.

Spray can splash back or propel objects.

- Always wear safety goggles when using this equipment or in vicinity of where equipment is in use.
- Before starting the pressure washer, be sure you are wearing adequate safety goggles.
- NEVER substitute safety glasses for safety goggles.

SAFETY

 WARNING



The high pressure stream of water that this equipment produces can cut through skin and its underlying tissues, leading to serious injury and possible amputation. Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which can cause injury.

- DO NOT allow children to operate the pressure washer.
- NEVER repair the 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 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 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 before spraying water.

 WARNING



Starter and other rotating parts can entangle hands, hair, clothing, or accessories.

- NEVER operate pressure washer without protective housing or covers.
- 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.

SAFETY

WARNING



Unintentional sparking can result in fire or electric shock.

When Adjusting or Making Repairs to Your Pressure Washer

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

When Testing for Engine Spark

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

NOTICE

High pressure spray may damage fragile items including glass.

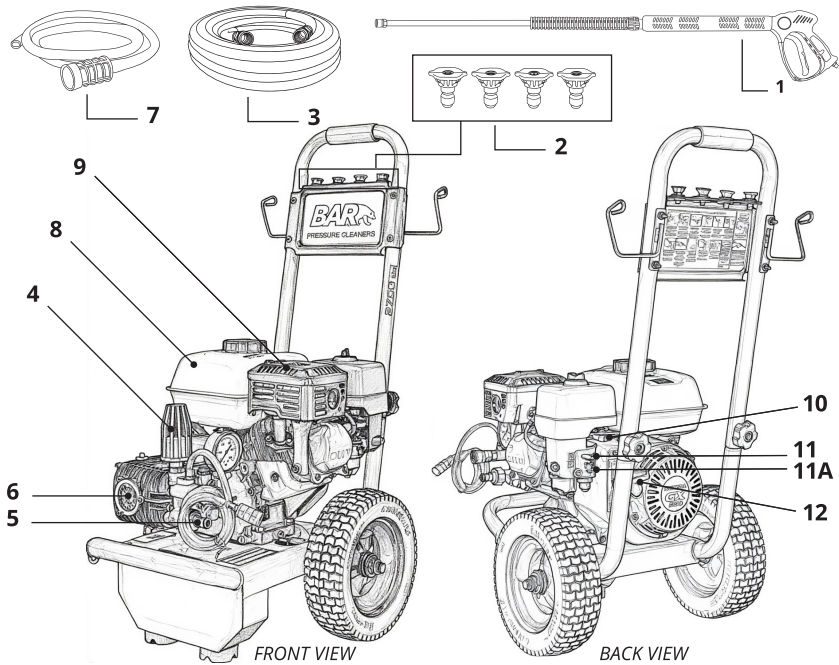
- DO NOT point spray gun at glass when using red 0° spray tip.
NEVER aim spray gun at plants.

NOTICE

Improper treatment of pressure washer can damage it and shorten its life.

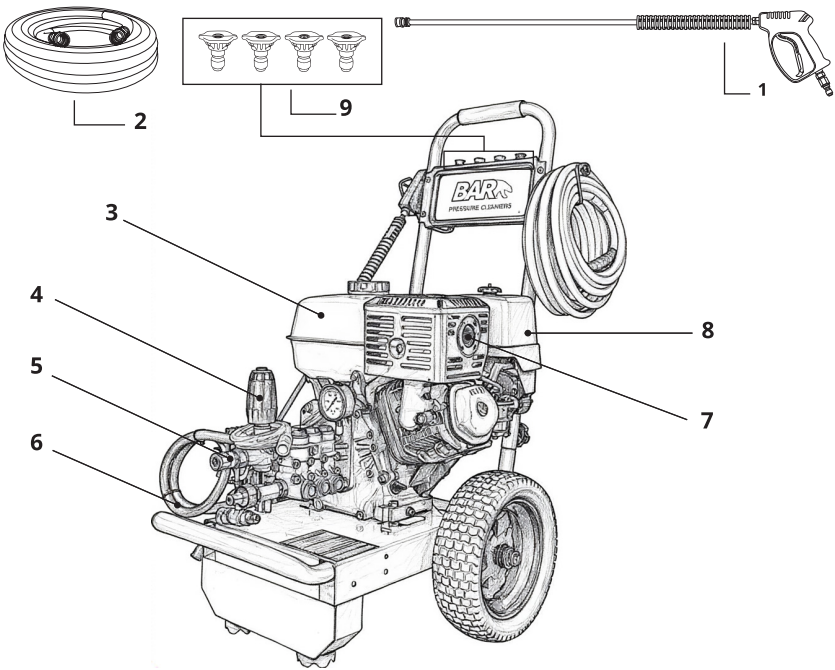
- If you have questions about intended use, contact your nearest authorized dealer, call our support line, or visit our website.
- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- DO NOT tamper with governed speed.
- DO NOT operate pressure cleaner above rated pressure.
- DO NOT modify pressure cleaner in any way.
- Before starting pressure cleaner in cold weather, check all parts of the equipment to be sure ice has not formed.
- NEVER move machine by pulling on hoses. Use the handle provided on unit's frame.
- Check fuel system for leaks or signs of deterioration, such as chafed or spongy hose, loose or missing clamps, and damaged tank or cap.
Correct all defects before operating pressure cleaner.

PETROL PRESSURE CLEANER COMPONENTS



1. **Spray Gun** - Controls the application of water onto cleaning surface with trigger device. Includes trigger lock. Allows you to switch between various spray tips.
2. **Spray Tips** - Detergent, 0°, 15°, and 40°: for various high pressure cleaning applications.
3. **High Pressure Hose** - Designed to withstand the pressure generated by the pump.
4. **Unloader** - Pressure is preset at the factory.
5. **Pump** - Develops high pressure. Connect the garden hose to the inlet of the water pump, and connect the high-pressure hose to the outlet.
6. **Oil Level Indicator** - Level should be at halfway (not included for all models).
7. **Detergent Siphoning Hose** - Use to siphon pressure washer safe detergent into the low pressure stream.
8. **Fuel Tank** - Fill tank with regular unleaded fuel. Always leave room for fuel expansion.
9. **Air Filter** - Protects engine by filtering dust and debris out of intake air.
10. **Throttle Lever** - Sets engine in starting mode for recoil starter.
11. **(Top) Choke Lever** - Prepares a cold engine for starting.
- 11A. **(Bottom) Fuel Valve** - Used to turn fuel supply on and off to engine.
12. **Recoil Starter** - Used for starting the engine manually.
13. **Engine Switch** - Set switch to "On" for recoil starting. Set switch to "Off" to stop a running engine.

PETROL PRESSURE CLEANER COMPONENTS



1. **Spray Gun** - Controls the application of water onto cleaning surface with trigger device. Includes trigger lock. Allows you to switch between various spray tips.
2. **High Pressure Hose** - Designed to withstand the pressure created by the pump.
3. **Fuel Tank** - Fill tank with regular, unleaded fuel. Always leave room for fuel expansion.
4. **Unloader** - Pressure is preset from the factory.
5. **Pump** - Develops high pressure. Connect the garden hose to the inlet of the water pump, and connect the high-pressure hose to the outlet. Connections vary by model.
6. **Detergent Siphoning Hose** - Used to draw detergent into the low pressure stream.
7. **Muffler/Exhaust** - Reduces noise of the engine and expels heat.
8. **Air Filter** - Protects engine by filtering dust and debris out of intake air.
9. **Spray Tips** - Detergent, 0°, 15°, and 40°: for various cleaning applications.

For the location of engine components such as the choke lever, throttle, and ON/OFF switch (if applicable), refer to the engine user manual included with your pressure washer.

For more reference material, (spec sheets, part breakdowns, product photos and more), please visit: www.bargroup.au

ASSEMBLY

Your pressure cleaner requires some assembly and is ready for use after it has been properly serviced with the recommended oil and fuel. We recommend **SAE 10W30** Oil for engines.

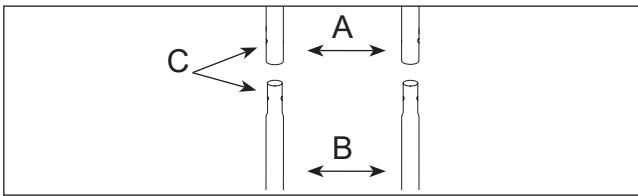
If you have any problems with the assembly of your pressure washer, please call our support line. If calling for assistance, please have the model and serial number from the data tag available.

Unpack the Pressure Cleaner

1. Remove the parts bag, accessories, and inserts included with pressure cleaner.
2. Open box completely by cutting each corner from top to bottom.
3. Ensure all contents are present prior to assembly.

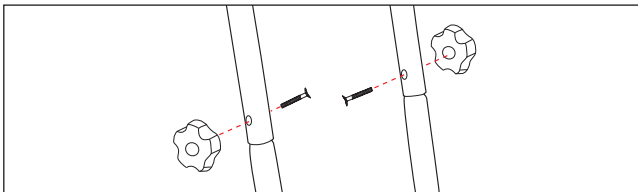
Attach Handle

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

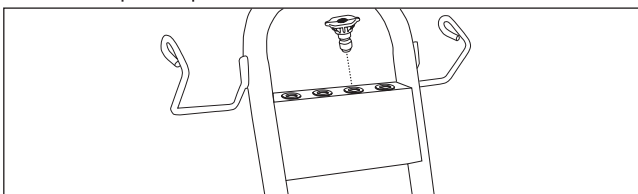


NOTE: These diagrams are intended for general reference. As a result, they may not fully reflect the appearance of your product.

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



3. Insert multi-colored quick connect spray tips and other supplied accessories in spaces provided on handle.



PRE-OPERATION CHECKLIST

Follow the steps below prior to using the machine every time.

1. Check to ensure the engine oil is at the proper level. **Use SAE 10W30 Oil**
2. Check the 2 handle knobs in the frame to ensure they are tight and will not vibrate loose.
3. Add fuel to the gas tank. Be careful not to spill while filling and do not overfill. We recommend using fuel with the lowest amount of ethanol possible. 84 octane and up is suitable.
4. Connect and tighten the garden hose to the GHA (garden hose inlet) connection.
5. Connect high pressure hose to the pump outlet. Connect the other end to the spray gun.

Water must be turned on prior to starting the washer, pull the spray trigger to ensure water is moving through the lines and out the nozzle without any leaks before starting the unit.

6. Review the safety guidelines in the manual prior to starting the unit. If you have any issues operating the pressure washer, call our customer service line.

WARNING



Always check the level of the engine oil prior to starting the washer. Level should be at about halfway up the sight glass. If your unit does not have one, use the oil dipstick. The level should be about halfway up the dipstick.

- Failure to do so could cause the engine to seize if the oil is low or empty.

Connect Hose and Water Supply to Pump Before Starting

WARNING



DO NOT start your pressure washer without the water supply turned on.

- Failure to do so will result in damaging the pump from overheating and void the warranty.

STARTING YOUR PRESSURE CLEANER

How to Start Your Pressure Cleaner

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

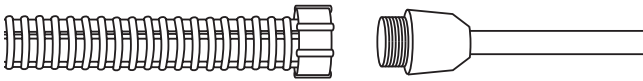
1. Place pressure washer near an outside water source capable of supplying water at a flow rate at least 1 GPM greater than the rated flow of your pressure cleaner. It should also be no less than 20 PSI at pressure cleaner end of garden hose. DO NOT siphon standing water.
2. Make sure unit is in a level position.
3. Connect garden hose to water inlet on pressure washer pump.

NOTICE

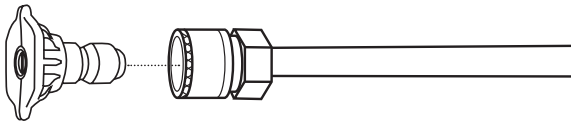
DO NOT run the pump without the water supply connected and turned on.

- Damage to equipment resulting from failure to follow this instruction will void warranty.

4. Attach wand extension to spray gun. Tighten by hand.

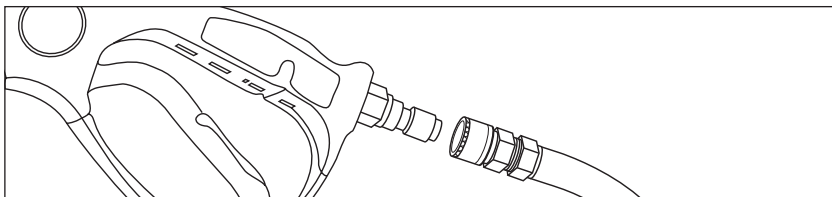


5. Choose desired spray tip, pull back nozzle extension collar, insert spray tip and release collar. Tug on spray tip to make sure it is securely in place. See *Spray Tips*.



STARTING YOUR PRESSURE CLEANER

6. If your gun uses a quick-connect, pull down on the collar of the quick connect coupler, slide onto the gun and let go of collar. Pull on hose to ensure the connection is tight. If your gun uses an M22 fitting, simply thread the connections together until secure.



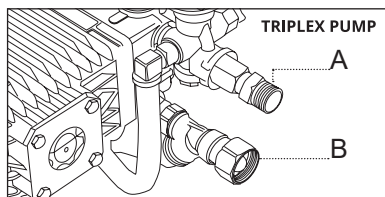
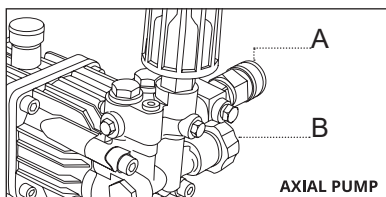
WARNING



The high pressure stream of water that this equipment produces can cut through skin and its underlying tissues, leading to serious injury and possible amputation.

- NEVER connect high pressure hose directly to nozzle extension.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.

7. Attach the other end of the high pressure hose to high pressure outlet (A) on pump. Pull down on collar of quick connect, slide onto pump and let go of collar. Note that some pumps require the hose to be threaded on. Tug on the hose to ensure connection is secure.



Pump Uses SAE30 Non-Detergent Mineral Oil

8. Turn Water Supply on if you have not already done so. Point the gun in safe direction and squeeze the trigger to purge the pump of air and debris. Do this until water flow is no longer erratic.
9. Take a final look at all connections to make sure there are no leaks or loose connections. If there are any leaks in hoses, they must be replaced.

IMPORTANT: DO NOT siphon standing water for the water supply. Use **COLD WATER** only (less than 100°F/38°C). Hot water will damage seals and compromise the integrity of your pump.

STARTING YOUR PRESSURE CLEANER

10. To start the machine, locate the engine switch on the side of the engine (if applicable), and switch it to the ON position. Units with a Honda GC engine have the power switch built into the throttle lever. Check to ensure fuel valve is in the ON position and if starting cold, apply the choke. Reference the component diagrams for the location of these parts.
11. Brace the unit with your foot and ensure that you are completely balanced on a flat surface. Pull recoil cord slowly until resistance is felt and then pull rapidly to avoid kickback. DO NOT place hand on engine muffler for balance as this will result in a severe burn. Once the engine is running, disengage the choke lever.

 WARNING	
	A running engine produces carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause headaches, fatigue, dizziness, vomiting, confusion, seizures, nausea, fainting, and death.
• Operate pressure washer outdoors, never indoors. • Keep exhaust gas from entering a confined area through windows, doors, ventilation intakes, or other openings. • DO NOT start or run engine indoors or in an enclosed area, even if windows and doors are open.	

IMPORTANT: Before starting the pressure washer, ensure you are wearing adequate safety goggles.

 WARNING	
	Risk of eye injury. Spray can splash back or propel objects such as rocks, dirt and other debris.
• Always wear safety goggles when using this equipment or while in vicinity of where equipment is in use. • NEVER substitute normal glasses for safety goggles.	

STARTING YOUR PRESSURE CLEANER

WARNING



The high pressure stream of water that this equipment produces can cut through skin and its underlying tissues, leading to serious injury and possible amputation. Spray gun traps high water pressure, even when engine is stopped and water is disconnected, which can cause injury.

- 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 the o-ring or seal.
- NEVER connect high pressure hose directly to the spray nozzle.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction 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. Failure to do so can result in damage to the unit or bodily harm.

MEDICAL ALERT CARD



DIAL 000 FOR EMERGENCY ADVICE
TO BE CARRIED BY ALL HIGH PRESSURE WATER JETTER OPERATORS



CAUTION! THIS PERSON HAS JUST BEEN INJURED USING A HIGH PRESSURE WATER JETTER

Please take this into account when making your diagnosis. High pressure water injection injuries can produce unexpected pattern of severe internal and external injury, along with infectious complications. Emergency physicians must be aware of the varied deceptive presentations and subsequent complications to deal with injuries effectively. Bacterial swabs and blood cultures may be helpful.

WHERE MEDICAL ATTENTION IS NOT IMMEDIATELY POSSIBLE, APPROPRIATE BASIC FIRST AID MEASURES SHOULD BE APPLIED AND THE PATIENT OBSERVED CLOSELY UNTIL MEDICAL TREATMENT IS AVAILABLE.

YOUR SAFETY IS A PRIORITY
THIS MEDICAL ALERT CARD IS FOR GENERAL INFORMATION PURPOSE ONLY. THIS MEDICAL ALERT CARD IS NOT A SUBSTITUTE FOR PROFESSIONAL MEDICAL ADVICE.

SHUTTING DOWN YOUR PRESSURE CLEANER

WARNING



Contact with muffler area can result in serious burns.



Exhaust heat/gases can ignite combustibles, structures or damage fuel tank causing a fire.

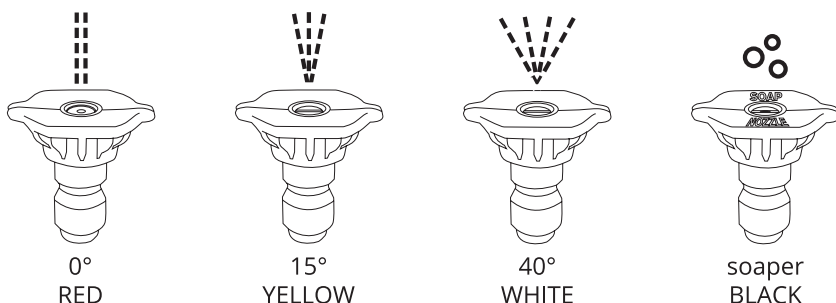
- DO NOT touch hot parts and AVOID hot exhaust gases.
- Allow equipment to cool for at least 15 minutes before touching.
- Keep at least 5 feet (1.5 m) of clearance on all sides of pressure cleaner (including overhead) while in operation.

How to Shut Your Pressure Washer Down

1. Release spray gun trigger and let engine idle down.
2. Turn the engine switch to the OFF position.
3. ALWAYS point spray gun in a safe direction, squeeze spray gun trigger to release retained high water pressure.

IMPORTANT: Spray gun traps high water pressure, even when engine is stopped and water is disconnected. Couplers will not release if under pressure.

SPRAY TIPS



How to Use Spray Tips

The quick-connect on the nozzle extension allows you to switch between four different quick connect spray tips. Spray tips can be changed while the pressure washer is running once the spray gun trigger safety lock is engaged. The spray tips vary the spray pattern as shown above.

Follow these instructions to change spray tips:

1. Pull back collar on quick-connect coupler and pull the current spray tip off. Store the spray tips in the holder provided on the handle. Storing nozzles in the designated holder will help prevent any debris from clogging the tip.
2. Select the desired spray tip:
 - For a gentle rinse, select the white 40° spray tip.
 - For high pressure cleaning, select the yellow 15° spray tip.
 - To scour the surface, select the red 0° spray tip.
 - To apply detergent, select the 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.

Usage Tips

- For most effective cleaning, keep spray tip 8 to 24 inches away from cleaning surface.
- If you get spray tip too close, especially using a high pressure spray tip (red or yellow), you may damage the surface being cleaned. Do not use the red spray tip on glass.

USING THE BLACK SOAP NOZZLE

To apply detergent, follow these steps:

1. Review the use of spray tips.
2. Prepare detergent solution as required by the job.
3. Place the small filter end of detergent siphoning tube into detergent container or onboard soap tank (if applicable).
4. Connect the other end of the soap hose to the pressure washer pump.

NOTE: Make sure the filter is fully submerged in detergent during use.

Please note that only the BLACK NOZZLE will draw soap.

5. Ensure that the black spray tip is installed.
6. Make sure the garden hose is connected to the water inlet. Check that the high pressure hose is connected to spray gun and pump. Turn water on.

NOTICE

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 is not covered by warranty.

7. Start the engine following instructions in Starting Your Pressure Cleaner.
8. Apply the detergent to the surface using long, even, overlapping strokes.
9. Allow the detergent to "soak in" for 5 minutes before washing and rinsing.

Reapply as needed to prevent surface from drying. DO NOT allow detergent to dry on. This will damage paint clear coat, and other types of finish.

IMPORTANT: You must flush the detergent siphoning system after each use by placing the filter into a bucket of clean water and running the pressure washer at low pressure for 1-2 minutes.

CAUTION

Chemicals can cause bodily harm and/or property damage.

- NEVER use caustic liquid with pressure washer.
- Use ONLY pressure washer safe detergent/soaps. Follow all manufacturer instructions and do not mix detergents with other types.

TROUBLE SHOOTING

Troubleshooting Chart

If you are experiencing an issue that is not listed in this chart, or have checked all the possible causes listed and are still experiencing the problem, see your authorized dealer or call our support line.

GASOLINE ENGINES

PROBLEM	CAUSE	CORRECTION
Unit has following problems: failure to produce pressure, erratic pressure, chattering, loss of pressure, low water volume.	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 screen. 6. Water supply is over 100°F (38°C). 7. High pressure hose is blocked or leaks. 8. Spray gun leaks. 9. Spray tip is obstructed. 10. Pump is faulty. 11. O-Ring missing in QC	1. Replace with high pressure spray tip. 2. Clear inlet. 3. Provide adequate water flow. 4. Straighten inlet hose. Replace if leaking. 5. Check and clean inlet hose screen. 6. Provide cooler water supply. 7. Clear blocks in outlet hose. 8. Replace spray gun. 9. Clean spray tip. 10. Contact local service facility. 11. Replace O-Ring
Detergent fails to mix with spray.	1. Detergent siphoning tube is not submerged. 2. Detergent siphoning tube/filter is clogged or cracked. 3. High pressure spray tip installed.	1. Fully submerge detergent siphoning tube into detergent. 2. Clean or replace filter/ siphoning tube. 3. Replace with low pressure spray tip.
Engine lacks power.	1. Dirty air filter.	1. Replace air filter.
Engine will not start.	1. Throttle lever or on/off switch in OFF position. 2. No fuel in engine. 3. Worn, fouled, or dirty spark plug. 4. Pressure build up in pump.	1. Turn throttle lever to ON position. 2. Fill fuel tank or turn on fuel supply. 3. Replace with factory recommended spark plug. 4. Squeeze trigger on spray wand (refer to operating instructions in owner's manual).
Oil Alert (for units with this feature).	1. Engine isn't level or the oil level is too low.	1. Place engine on level surface or perform an oil change using SAE 10W30 oil (refer to engine user manual for instructions).
Engine runs well at no load but "bogs" down under full load.	1. Engine speed is too slow.	1. Adjust Throttle Lever back to full throttle.
Engine will not start or starts and runs poorly.	1. Low oil level. 2. Dirty air filter. 3. Out of gasoline. 4. Stale gasoline. 5. Spark plug wire not connected to spark plug. 6. Bad spark plug. 7. Water in gasoline. 8. Over choking.	1. Fill crankcase to proper level. 2. Clean or replace air filter. 3. Fill fuel tank. 4. Drain gas tank and fill with fresh fuel. 5. Connect wire to the spark plug. 6. Replace the spark plug. 7. Drain gas tank, fill with fresh fuel. 8. Open choke fully and crank engine.
Engine shuts down during operation.	1. Out of gasoline. 2. Low oil level.	1. Fill fuel tank 2. Fill crankcase to proper oil level
Engine lacks power.	1. Dirty air filter.	1. Replace air filter
Engine coughs or falters.	1. Choke is opened too soon/too early.	1. Move choke to halfway position until engine runs smoothly.

* All engine servicing to be taken to manufacturer's authorized service outlet.

TROUBLE SHOOTING

PUMP

PROBLEM	CAUSE	CORRECTION
No low pressure detergent delivery	- Using wrong nozzle - Siphon hose or filter is plugged	- Insert black soaper nozzle - Clear siphon hose of debris
Unit does not reach required pressure	- Restricted or insufficient water supply - Unsuitable or worn out nozzle - Regulator set too low (for units with an adjustable unloader)	- Check supply hose, faucet and inlet water filter. Must be connected to water source that provides at least 6 GPM - Replace nozzle - Reset unloader by turning knob (clockwise increases pressure)
Thermal Relief Valve is open and discharging water from side of pump	- Water temperature is too high - Pump has operated more than 3 mins without pulling trigger	- Use cool water only. - Pull trigger at least 30 seconds every 3 mins. Thermal valve must be replaced.
Leak in the fittings	Water leak in high pressure fittings, hose, or gun	Use teflon tape or pipe sealant to tighten hose fitting, replace hose or gun *If problem continues, take to your pressure washer dealer
Pump oil is low	Normal use consumes oil over time	To gauge the oil level, look directly into the sight glass. Oil level should always be at the center dot. Do not overfill. Replace w/ SAE 30 non detergent mineral oil
Oil has a milky color	Seals have worn from use and water has leaked in	Bring Unit local service center to have seals replaced



STORAGE

WINTER STORAGE

NOTICE

You must protect your unit from freezing temperatures.

1. Failure to do so will permanently damage your pump and render your unit inoperable.
2. Freezing damage is not covered under warranty.

To protect the unit from freezing temperatures:

1. Use Pump Saver to treat the pump. This minimizes freezing damage and lubricates pistons and seals. Contact your local dealer for Pump Saver Solution.
2. If pump saver is not available, connect a 3 ft. section of garden hose to the water inlet adapter. Pour RV-antifreeze (antifreeze without alcohol) into hose. Pull the recoil handle twice. Disconnect the 3 ft. hose.
3. Store the unit in a clean, dry area (heated area preferred).

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. See the engine user manual for specific instructions regarding this.

Protect Fuel System

Fuel Stabilizer:

Fuel will become stale when stored over 30 days. Stale fuel causes acids and gum deposits to form in the fuel system or on essential carburetor parts. Prior to storage, if gasoline will not be treated with a fuel stabilizer, it must be drained from the engine into an approved container. After draining, run the engine until it stops from lack of fuel. When fuel stabilizers are used according to their instructions, there is no need to drain the gasoline from the engine prior to storage. Run the engine for a short time to circulate stabilizer throughout the fuel system. Engine and fuel can then be stored for up to 24 months. If gasoline is drained, the use of a fuel stabilizer in the storage container is still recommended to maintain freshness.

Storing the Engine

See the engine operator's manual for instructions on how to properly prepare the engine for storage.

NOTE: Pump Saver is available as an optional accessory. It is not included with the pressure washer. Contact your closest authorized dealer to purchase BE Pump Saver.

STORAGE

To use Pump Saver, make sure the pressure washer is turned off and disconnected from supply water. Read and follow all instructions and warnings given on the Pump Saver 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 the 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.
- 4. Store unit in a clean and dry area.

⚠ WARNING	
	Storage covers can be flammable.
• DO NOT place a storage cover over a hot pressure washer. • Let equipment cool for at least 30 minutes before placing the cover on the equipment.	

WARRANTY

Prices

All prices are current at the date of issue and subject to change without notice. Unless otherwise stated, all quotations are valid for 7 days. All retail prices quoted are recommendations only. There is no obligation to comply with those recommendations.

Special Builds

Any item not specifically listed as a part number in the current catalogue is considered a "special build. Special builds are not eligible for return or deferment of delivery.

Payment

Payment terms are 30 days from the end of the month, unless otherwise stated in writing.

Return of goods

Goods eligible for return must be pre-approved, in writing, by BAR. Returned goods will be subject to a 15% restocking fee to cover administration costs, plus an additional amount estimated to be BAR's cost to return the goods to new, warehouse condition.

Shipping

All products from BAR are supplied ex-Works our nearest warehouse. Where BAR agree to pay the freight for any shipment, this does not change the ex- works terms. We strongly recommend you undertake transit insurance for all shipments.

Warranty

The Trade Practices Act supersedes all warranty conditions detailed below. All products are warranted to be free from faulty materials and workmanship. This excludes fair wear and tear, improper installation or application, failure to carry out scheduled and reasonable maintenance or improper application. All high pressure pumps carry a 12 mth warranty on poor workmanship or materials. All petrol engines are covered by the engine supplier, please contact the relevant supplier directly. Accessories and wearing parts carry a 90 day warranty from date of original supply (hose's, nozzles etc.) Contact your local dealer for assistance should you have any concerns.

Suitability for purpose

BAR makes no representation about the suitability of a product for a specific application. Our representations relate solely to the operating performances of the product (in isolation to the application).

Reservation of Title

The rights to, and full interest and title in the goods supplied remains with BAR and does not pass to you until the goods have been fully paid for.

MAINTENANCE NOTES

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