POWER SHOT

PS3400

3400PSI 11.4L/MIN PETROL WATERBLASTER

3400PSI

INSTRUCTION MANUAL

CONTENTS

CONGRATULATIONS!

Thank you for choosing this pressure washer. Our aim is to provide you with quality professional products and we want you to be totally satisfied with your product and our Customer Service. If any help or advice is needed, please contact us. When properly cared for this product will give you many years of satisfaction.

INTRODUCTON

This instruction manual is intended for your benefit. Please read and follow the safety, Installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes any time without notice.

GENERAL SAFETY

⚠WARNING

Read and follow all Instructions. Failure to follow all instructions in this manual may result in severe personal injury or death. Keep this manual and refer to it for safety Instructions, Operating Procedures and Warranty.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RECOGNIZE SAFETY SYMBOLS, WORDS AND LABELS

The safety instructions provided in this manual are not intended to cover all possible conditions and practices that may occur when operating, maintaining and cleaning power tools.
Always use common sense and pay particular attention to all the **DANGER, WARNING, CAUTION AND NOTE** statements is this manual.

⚠ 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.

⚠ DANGER **DANGER** indicates an imminently hazardous situation which if not avoided will result in death or serious injury.

⚠WARNING **WARNING** indicates a potentially hazardous situation which if not avoided could result in death or serious injury.

⚠ CAUTION **CAUTION** indicates a potentially hazardous situation which if not avoided may result in minor or moderate injury.

CAUTION **CAUTION** used without the safety alert symbol indicates a potentially hazardous situation which if not avoided may result in property damage.

NOTE **NOTE** provides additional information that is useful for proper use and maintenance of this tool. If a NOTE is indicated make sure it is fully understood.

In addition to **SAFETY ALERTS** listed above there could also be numerous symbols alerting the operator that specific safety measures are required to safely operate this tool. Learn these **SAFETY SYMBOLS** as well as the **SAFETY ALERTS** to prevent injury to the operator and to bystanders.

RAED OPERATING INSTRUCTIONS: Read and understand tool labels, safety warnings and precautions in this manual before operating the tool. Failure to follow WARNINGS could result in serious injury or even death to the operator or bystanders.

FIRE HAZARD: Heat from engine exhaust can ignite combustible materials, building structures or gas tanks resulting in a fire. Place the tool on a flat surface a safe distance from buildings or other combustible material. Ensure exhaust is directed away from tool.

WEAR APPROVED EYE PROTECTION: This tool has rotating and moving parts that could become airborne if damaged. Always wear approved eye protection when operating equipment with moving parts. Safety glasses must conform to the requirements of American National Standards Institute (ANSI) Z87.1 and provide protection against against flying particles from both front and side.

POISONOUS: This tool has uses a gasoline powered engine that produces poisonous fumes from its exhaust. Always make sure there is adequate ventilation when operating this equipment.

EXPLOSION HAZZARD: Fuel and its vapors are extremely flammable and explosive. Fire or explosion from these vapors can cause severe burns or even death.

ROTATING PARTS: Starter and other rotating parts on this tool can entangle loose clothing, long hair and accessories resulting in moderate to severe injury.

HOT SURFACES: Engine muffler and other engine parts can become very hot. Coming in contact with hot engine components can cause serious burns. Hot exhaust gases from the engine can cause clothing to ignite if in contact for any length of time.

KICKBACK: Starter cord can kickback (recoil) very rapidly. Kickback will recoil starter cord quicker than you can let go. This action can result in broken bones, bruises, sprains or fractures.

UNIT IS HEAVY: Take care when lifting or moving unit.

INJECTION HAZARD: Pressure washers can produce fluid streams severe enough to penetrate animal and human flesh.

SLIPPING AND FALLING: Pressure washer produce puddles of slippery liquid that can result in falls. Kickback from spray wand can result in falls when using unstable platforms.

INPORTANT INFORMATION ABOUT THIS MANUAL

⚠ WARNING

Improper and unsafe use of this pressure washer can result in death, fire and/or bodily injury. This instruction manual contains important information about product safety. Keep the instruction manual available for others to read befote they use the pressure washer

Improper maintenance and operation are responsilble for the majority of accidents involving gas presure washers. The largest portion of these could be prevented by recognizing the basic safety rules and precautions. Most accidents can be avoided if the operator recognized a potentially hazardous situation before it happens and by observing appropriate safety rules and procedures as outlined in this manual.

Basic safety precautions are outlined in the **SAFETY** portion of this manual and throughout the text in this manual where a potential might occur.

Hazards that MUST be avoided to prevent serious injury follow headers marked **DANGER or WARNING**. These same precautions are placed as labels on the tool itself.

NEVER use this pressure washer for applications that are **NOT** specified in this manual.

UNPACKING & INSPECTION

After opening the carton, unpack your new pressure washer and related parts & accessories. Please inspect it carefully for any damage that may have occurred during transit. If any parts are missing, please contact us on 0800 387 678

⚠WARNING

Do not operate this pressure washer if damaged during shipment, handling or misuse. Damage may result in bursting, which can cause serious injury or property damage. All damaged parts must be repaired or replaced as needed prior to operating this pressure washer.

Check to see that all nuts, bolts and fittings are secure before putting this pressure washer into service. If you have any questions or require assistance with damaged or missing parts, please contact us on 0800 387 678

Please have the serial number,model number, date of purchase and parts list (with missing parts identified) available for reference when calling.

MODEL NUMBER: _____

SERIAL NUMBER: _____

DATE OF PURCHASE: _____

SAFETY WARNINGS

READ ALL SAFETY WARNINGS BEFORE USING PRESSURE WASHER.

GENERAL SAFETY RULES

⚠WARNING

People with electronic devices, such as pacemakers, should consult their physician(s) before using this product. Operation of electrical equipment or the electromagnetic wave created by the engine spark plug in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

Keep work area clean and well lit : Messy areas and cluttered workbenches invite PERSONAL injury and/or property damage. Clear all work areas of unnecessary tools, debris, furniture, etc.

Make sure the work area is well ventilated: Never operate in an enclosed area.

Do not place objects on top or against the tool.

Handle correctly. Always operate according to the instructions provided: Never allow the tool to be operated by children, individuals unfamiliar with its operation or unauthorized personnel.

Keep children and visitors away. All children should be kept away from the work area, **DO NOT** let children handle the tool. Maintain a dafe distance for any person near the work area.
Childproof the workshop. The use of master switches and padlocks is highly recommended. Remove starter keys where applicable.

⚠WARNING

Stay alert, watch what you are doing, and use common sense. Do not stand on the tools. Do not use tools while tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating the tool may result in serious personal injury.

Operating any tools or equipment under the influence of drugs, alcohol, or medication can cause personal injury to yourself and others.

Use the right tool. Use tools properly and for their intended task. Do not force a small tool to de the job of a heavy-duty tool. Using the right tool to do the right job will make doing the job safer.

Always make sure the tool is in the OFF position when making adjustments, changing parts, or performing any maintenance.

Service must be performed only by qualified repair personnel. Service or maintenance by unqualified personnel may result in a risk of injury.

Do not use the tool if the power switch does not turn "ON"or "OFF". A tool that cannot be controlled with the switch is dangerous and must be repaired.

Store all maintenance tools away from the immediate area before turning ON the tool.

Do not overreach. Proper footing and balance is a must at all times while using tools. Unstable support may lead to personal injury. Do not stand on the tool. Serious injury could result if the tool tips over or you accidentally contact the tool.

When using accessories,consult the owner's manual provided by the manufacturer. The use of improper accessories may cause risk of injury to yourself and others.

Keep protective guards in place and in proper working condition.

Maintain tools and equipment with care. They will function better and more safely when kept clean and in good working condition. Keeping the tool clean,dry, and free of grime will add to its life and performance.

Do not use the tool for applications other than specified.

SAFETY RULES FOR GASOLINE ENGINES

⚠WARNING

Carbon monoxide is a product of incomplete combustion, such as exhaust from the engine. Carbon monoxide is colorless, odorless and tasteless and can kill in a matter of minutes.

Carbon monoxide is a product of incomplete combustion, such as exhaust from the engine. Carbon monoxide is colorless odorless and tasteless and can kill in a matter of minutes.

Gas particulate filters and respirators will not protect someone from carbon monoxide poisoning. If symptoms of carbon monoxide poisoning appear, take the affected person outdoors immediately away from all structures and equipment that could produce the gas. Call for emergency medical treatment and make them aware of the situation.

Operate pressure washer only outdoors. Do not allow exhaust gas fumes from entering confined areas through windows, open doors, ventilation ducts and other openings.

Do not start or run engine indoors or an enclosed area, such as a garage (even if windows and doors are open). This also applies to the engine compartment of a recreational vehicle(RV).

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

NOTE

Install a battery powered Carbon Monoxide (CO) detector near all bedrooms to alert occupants of dangerous levels of carbon monoxide. Carbon monoxide is a colorless, odorless,very poisonous gas.
The Emission Control System for engine is warranted for standards set forth by the EPA/Environmental Protection Agency and CARB/California Air Resources Board

SYMPTOMS OF CARBON MONOXIDE POISONING

Carbon monoxide (CO) is a colorless, odorless, tasteless, extremely toxic gas that can **KILL** in a matter of minutes. Breathing air containing carbon monoxide produces symptoms of headache, dizziness, loss of muscular control, a sleepy feeling and finally coma. Moderate or severe brain damage can result from inhaling air containing carbon monoxide. Carbon monoxide is a product of incomplete combustion of fuels and occurs in exhaust fumes of fuel-burning heaters and all internal combustion engines.Carbon Monoxide collects in spaces where is no constant air flow or ventilation. **If you start to feel sick, dizzy or weak due to exposure to CO while using gasoline engine, GET TO FRESH AIR IMMEDIATELY.**

ADDING OR DRAINING FUEL TO OR FROM THE ENGINE

⚠WARNING

Fuel and fuel vapors are extremely flammable and explosive. Fire and explosion can result in severe burns and even death.

- Turn engine to the **OFF** position and let cool at least two minutes before removing fuel cap. Loosen cap slowly to relieve pressure in fuel tank.
- **DO NOT** fill or drain fuel tank inside enclosed structures. Accidental sparks can result in fires or explosions leading to severe burns and even death.
- **DO NOT** overfill fuel tank. Leave ample space for expansion of guel.
- **DO NOT** start engine in area of fuel spillage. Fire and explosion can occur.
- Keep fuel away from sparks, open flames, pilot lights, heat and other ignition sources. **DO NOT** smoke while operating the engine.
- **DO NOT** tip engine or equipment at angle that could result in fuel spilling from fuel tank.

STARTING THE ENGINE

⚠WARNING

Starter cord kickback (rapid retraction) can pull your hand and arm toward the engine faster than it can be let go of. Failure to be aware of this function can result in broken bones, fractures, bruises and sprains can result.

- When starting the engine, pull cord slowly until resistance is felt, then pull rapidly to avoid kickback.

WARNING

Unintentional sparking can result in fire or electric shock. Failure to observe this warning can result in property damage, severe burns and/or death.

- **Ensure spark plug is in place before attempting to start engine.**
- **Ensure muffler is secured to engine before starting.**
- **Ensure fuel cap is on fuel tank and tightened securely.**
- **Ensure air cleaner is clean and properly attached to engine.**

A dirty air cleaner element changes the air to fuel ratio and promotes incomplete combustion of fuel increasing the output of carbon monoxide. Always make sure air cleaner element is clean before every operation of the engine.

- **DO NOT** crank engine with spark plug wire removed. The resulting spark could ignite spilled fuel.

⚠WARNING

Do not contact the muffler area with engine running. The muffler gets extremely hot and can cause severe burns. Exhaust gases can ignite combustible items such as clothing or structures in close proximity. Gases leaking from a worn muffler can heat up and damage the fuel tank resulting in fire or explosion.

- **DO NOT** touch hot parts of engine or muffler.
- **AVOID** hot exhaust gases.
- Keep a minimum of 5 ft. (1.5M) clearance on all sides of the engine including top.

⚠WARNING

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

- **NEVER** operate with protective housing or covers removed.
- **DO NOT** use while wearing loose clothing or jewelry that may get caught up in the starter or other rotating parts. Tie up long hair or wear a hair net or cap.

MAKING ADJUSTMENTS OR REPAIRS TO THE ENGINE

⚠WARNING

Excessively high operating speeds increases risk of injury and damage to the engine. Excessively low speeds produce heavy load on the engine.

- **DO NOT** attempt to alter pre-set governed speed. Engine governor is factory set to supply optimum output horse power(HP) when running at the governed speed.
- **DO NOT** modify the engine in any way.

TESTING SPARK PLUG FOR SPARK

⚠WARNING

- **DO NOT** check spark plug for spark by removing from head cylinder.
- Disconnect spark plug wire from spark plug and cover tip with non-conducting material such as electrical tape to prevent it from coming in contact with spark plug, fuel tank or other parts of the engine where damage can result from sparking.
- Replace a defective spark plug only with authorized parts.
- Use an approved spark plug tester.

TRANSPORTING OR REPAIRING EQUIPMENT

⚠WARNING

RISK OF PROPERTY DAMAGE WHEN TRANSPORTING PRESSURE WASHER: Turn off the pressure washer before transport. Use caution when moving the pressure washer. Oil can leak or spill and could result in a fire or breathing hazard serious injury or death. Oil leaks will damage carpet, paint, or other surfaces in vehicles or trailers.Be sure to use the handle to lift or carry the pressure washer.

⚠CAUTION

- The wheel kit is not designed for over-the-road use. Pressure washer must be transported in a vehicle or on a trailer.
- **Unit is heavy.** Take care when lifting or moving unit.
- Transport or repair with fuel tank **EMPTY** to prevent an unintentional spark igniting fuel vapors resulting in a fire or an explosion.
- Transport or repair with the spark plug wire **DISCONNECTED.**

STORING FUEL OR EQUIPMENT WITH FUEL INFUEL TANK

⚠WARNING

Store away from furnaces, stoves, water heaters, clothes dryers, and all other appliances with pilot lights or other ignition sources. These appliances can heat fuel tanks and ignition sources can ignite fuel vapors.

SAFETY RULES FOR PRESSURE WASHERS

⚠DANGER

RISK OF FIRE OR EXPLOSION


Always store fuel away from the pressure washer and in an approved container. Fuel and fuel vapors are extremely flammable and explosive. Fire and explosion can result in severe burns and even death.

Make sure all ventilation openings are clear and free from restrictions. Restricted ventilation openings can cause overheating and/or fire.

⚠WARNING

Do not operate the pressure washer in explosive areas, such as in the presence of flammable liquids, gases or dust. Pressure washers can create sparks which may ignite the dust or fumes. **Never use the Pressure washer in damp or wet locations.**

Wear proper apparel. Remove your jewelry before using pressure washer. Do not wear loose clothing, necklaces, rings, bracelets, or other jewelry, which may get caught in moving parts. Nonskid footwear and electrically non-conductive gloves are highly suggested while working. Wear protective hair covering to contain long hair.

Be responsible for your hearing. Wear hearing protection during extended periods of operation.

Do not use the pressure washer if excessive noise or vibration is present. Have it repaired immediately.

Store the pressure washer indoors, in a dry, secured area away from other equipment. Never store the pressure washer near an open flame or flammable materials. Keep pressure washer a minimum of 5 feet (1.5 m) of clearance on all sides including overhead.

⚠WARNING

RISK OF INJURY

Pressure washer produces fluid pressures and velocities high enough to penetrate human and animal flesh which could result in serious injury or amputation.

Ensure all connections are tightened securely. Inspect all hoses to ensure they are not damaged or kinked. Loose connections or damaged hoses can result in injection injuries.

NEVER place hands in front of nozzle.

NEVER attempt to attach or remove spray wand or hose fitings while pressure washer syatem is pressurized.

DO NOT treat fluid injection injuries as a simple cut. See immediate medical attention.

DO NOT allow pressure hose to come in contact with engine muffler.

HIGH VELOCITY fluid spray can cause objects to break, propelling particles at high speeds.

ALWAYS wear approved safety glasses when using or doing maintenance on pressure washers.

NEVER substitute safety glasses for **GOGGLES.** Injury to eyes could occur.

ALWAYS wear protective clothing to prevent accidental spraying.

DO NOT permanently secure spark wand trigger in open position.

DO NOT use spark wand that does not have a trigger lock or trigger guard in place and in proper working order.

⚠WARNING

DO NOT use acids, toxic or corrosive chemicals, poisons, insecticides, flammable solvents or bleach with pressure washer. Use of these chemicals can result in damage to equipment or serious injury or death.

DO NOT direct spray toward electrical outlets, switches or products connected to electrical service. Failure to observe this warning can result in electrocution resulting in severe electrical shock or burns and possibly resulting in death.

NEVER run pressure pump without the water supply connected and turned on. Non-repairable damage to the pump will occur.

RISK OF FALLING

Pressure washer can create puddles of slippery solutions that can become hazardous.

Ensure you stand on a stable surface while operating pressure washer. Initial kickback from engaging spray wand can cause you to lose your balance and fall resulting in minor to severe injuries.
Use extreme caution if you must operate washer from a ladder or scaffolding. Kickback from spray wand can result in loss of balance and result in a fall that could cause serious injuries.
When cleaning pressure washer, ensure there are adequate slopes for drainage so solutions don't create puddles around unit that could result in slipping and falling.
Firmly hold spray wand with both hands when using high pressure spray avoiding injury should spray wand kick back.

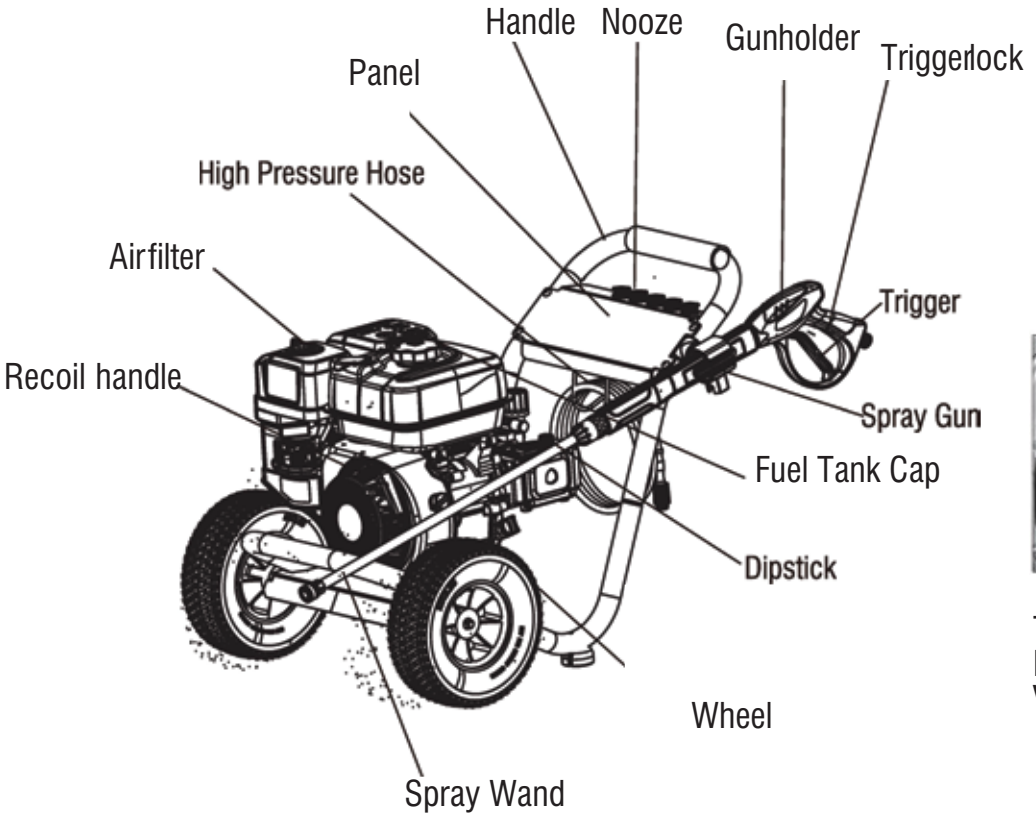
⚠CAUTION

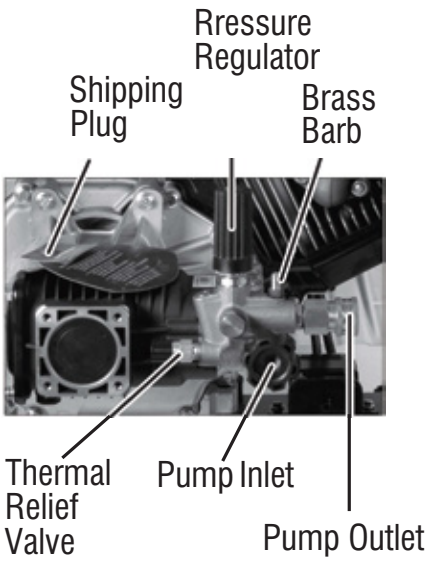
The pressure washer must be run with the rubber feet resting on a flat and stable horizontal surface.
The pressure washer must be used in a clean and well-ventilated area. Keep pressure washer a minimum of 5 feet (1.5m) of clearance on all sides including overhead.

DO NOT place pressure washer in an area:

- **Where** there is evidence of oil or gas leaks.
- **Where** flammable gas vapors or materials may be present.
- **Where** extremely dirty air or water could be drawn into the pressure washer.

COMPONENTS





Accessories Included

1 Oil Funnel

1 Engine Oil

1 Owner's Manual

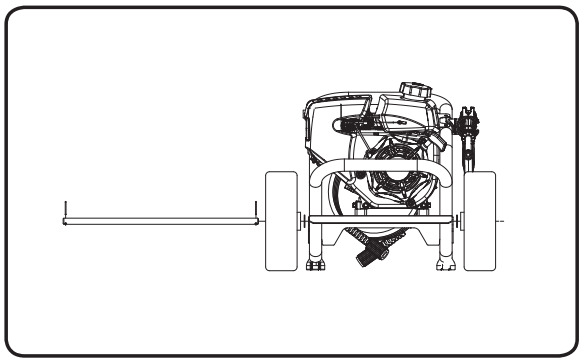
1 Spark Plug Socket

1 Nozzle Cleaning Needle

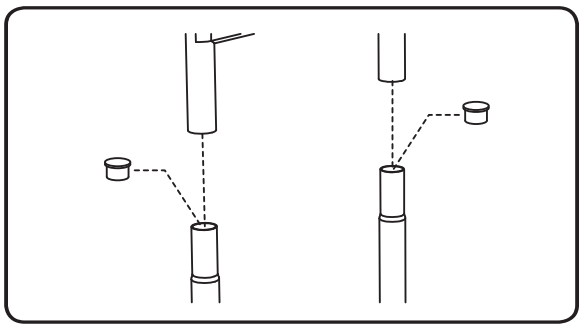
SET UP

Assembly

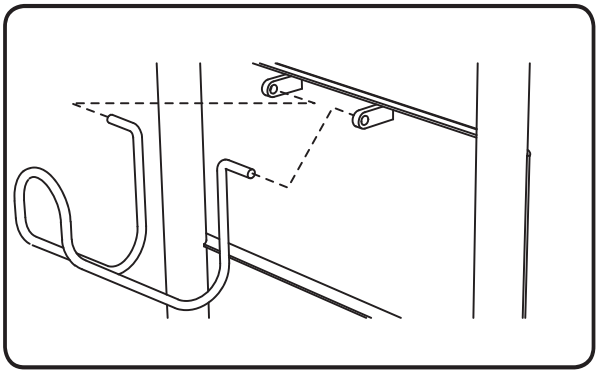
1. Insert the axle through the wheel, flat washer and frame sleeve in turn, then insert the pin lock clamp through the hole on the axle.



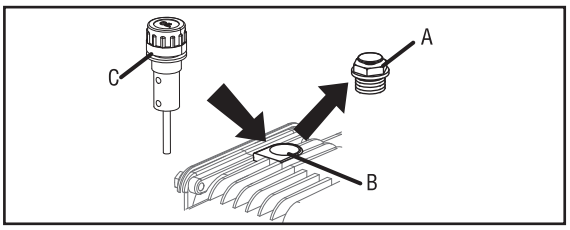
2. Take out the End Cap in the Frame, attach the Handle onto the Frame by inserting the clip.



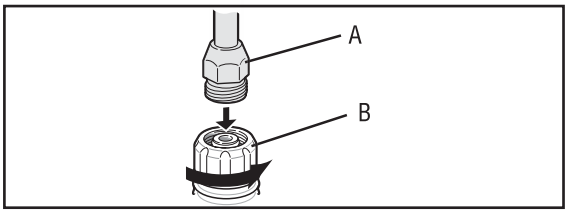
3. Attach the hose Holder to the Panel.



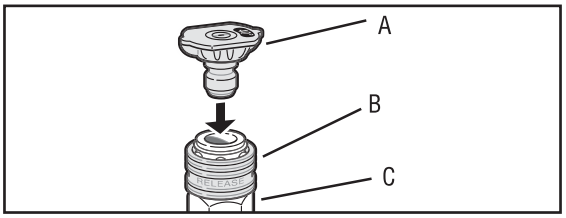
4. Replace red shipping plug(A) on the pump(B) with the supplied yellow dipstick(C).



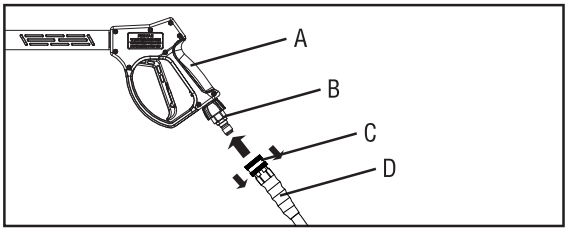
5. Remove the protective cap on the wand inlet, insert the wand(A) into the spray gun tip and tighten the nut(B) firmly by hand.



6. To connect or disconnect spray nozzle(A), pull back the quick-connect collar(B) of wand(C) and insert the nozzle(A) and then release the quick-connect collar(B). Once the nozzle is connected, pull on the nozzle to make sure it is firmly attached.

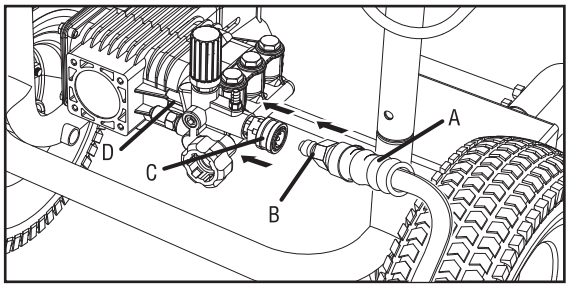


7. Attach high pressure hose(D) to the gun(A), pull back the quick-connect collar(C) of the hose and insert the spray gun connector(B) and then release the quick-connect collar(C) Once the hose is connected, pull on the hose to make sure it is firmly attached.

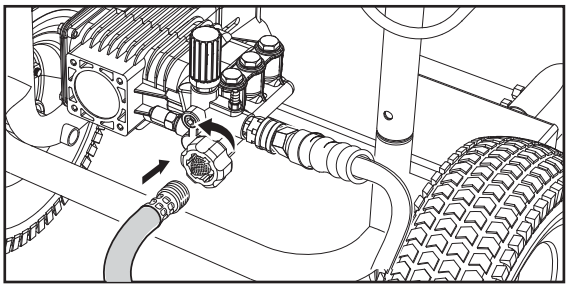


SET UP

8. Attach high pressure hose(A) to the pump(D), pull back the quick-connect collar(C) of the pump, insert hose connector(B) and then release the quick-connect collar, pull on the hose to make sure it is firmly attached.



9. Run water through the hose for 30 seconds to flush any debris from the hose, inspect inlet screen and remove any debris,connect hose to water inlet and tighten by hand. Turn on water, purge the system's pump of air by releasing the safety and squeezing the trigger of the spray gun.



General Information

Fuel	· Use fresh high quality unleaded petrol (minimum 87 octane) · Add Fuelset (not supplied) to the fuel tank and run the engine for 5 minutes before storage.
Oil	· Engine oil: Use only SAE 10W-30.
Water Pressure Pump	· Use only cold water. · Do not operate the pressure washer with clogged or missing water filter screen. · Do not operate the pressure washer without adequate water supply.
Pressure Adjustment	· Pressure setting is pre-set at factory. · For lowering pressure, refer to "Pressure Adjustment".
Pressure Pump	· Squeeze spray gun trigger every 2 minutes while engine is running. · Do not allow water to freeze in pump.
By-Pass Mode By-Pass Mode	· Never leave unit running for more than 2 minutes without squeezing the spray gun trigger. Doing so could damage the pump and void warranty.
Thermal Relief Valve	· Pump is equipped with a thermal relief valve. If water overheats, this valve opens, releasing a gush of water. Afterwards, the valve closes returning pump to normal operation.
Pressure Hose	· Do not allow hoses to come in contact with engine muffler during use or immediately after use. · DO NOT pull unit by pressure hose.
Engine	· Add Fuelset (not supplied) to fuel tank and let the engine run for 5 minutes before storage. · Always turn on water before starting the engine.
Soap/Chemicals	· Use only soaps and chemicals detergents designed for pressure washer use.
Nozzle	· Always keep nozzles unclogged. Use the nozzle needle to clean if clogged. · Use ONLY detergent nozzle(black) when using chemical and cleaning solvents.
Storage	· Run clean water through chemical inlet. · Add Fuelset to any remaining fuel in fuel tank. · Do not allow water to freeze in pressure pump, spray gun, spray wand or hoses.

OPERATION

Read the entire"SAFETY" section at the beginning of this manual including all text under subheadings therein before set up or use of this product

Improper treatment of Pressure Washer can damage internal components and shorten the life of unit. Failure to follow this warning will void warranty.

Pre-Start Checks

Inspect engine and equipment looking for damaged, loose and missing parts before set up and staring. If any problems are found, do not use the equipment until fixed properly.

1.Adding Engine Oil

NOTICE Your Warranty is VOID if the engine's crankcase is not properly filled with oil before each use. Before each use, check the oil level.

Engine will not start with low or no engine oil.

1.1 Move the Pressure Washer OUTSIDE and place on a flat and level surface.

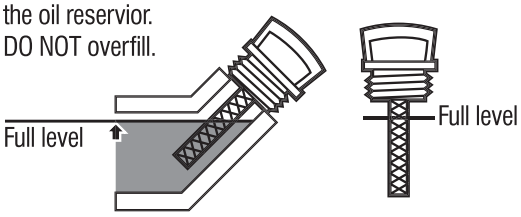
1.2 Make sure the engine is stopped and is level.

1.3 Close the Fuel Valve.

1.4 Clean the top of the Dipstick and the area around. Remove the Dipstick by turning it counterclockwise, and wipe it off with a clean, lint free rag.

1.5 Place funnel in the oil reservoir.

1.6 Pour engine oil (SAE 10W-30 is recommended for general use) until oil level reaches the threads inside the oil reservior.
DO NOT overfill.



1.7 Reinsert the Dipstick without threading it in and remove it to check the oil level. The oil level should be up to the full level as shown above.

1.8 If the oil level is at or below the low mark, add the appropriate type of oil until the level is at the proper level. (The SAE Viscosity Grade Chart on page 16 in the "MAINTENANCE" section shows other viscosities to use in different average temperatures.)

1.9 Replace the dipstick and fully tighten.

NOTICE:

Do not run the engine with too little oil

Engine will shut off if engine oil level is too low.

2. Adding Fuel

Fuel and fuel vapor are extremely flammable and explosive. Fire or explosion from misuse of fuel can cause severe burns and even death. Failure to use fuel as recommended in this manual will void the warranty.

Fill the fuel tank in a well-ventilated area away from ignition sources. If the engine is hot from use, shut the engine off and wait for it to cool before adding fuel.

Do not smoke.

NOTICE:

Do not use petrol that has been stored in a metal fuel container or a dirty fuel container. It can cause particles to enter the carburetor, affecting engine performance and/or causing damage.

2.1 Move the Pressure Washer OUTSIDE and place on a flat and level surface.

2.2 Clean the Fuel Cap and the area around it.

2.3 Unscrew and remove the Fuel Cap.

2.4 Remove the Strainer and remove any dirt and debris. Then replace the Strainer.

2.5 If needed, fill the Fuel Tank to about 1 inch under the fill neck of the Fuel Tank with 87 octane or higher unleaded gasoline that has been treated with a fuel stabilizer additive. Follow fuel stabilizer manufacturer's recommendations for use.

2.6 Then replace the Fuel Cap.

2.7 Wipe up any spilled fuel and allow excess to evaporate before starting engine. To prevent FIRE, do not start the engine while the smell of fuel hangs in the air.

NOTICE:

When adding fuel to pressure washer, observe the following:

DO NOT use unapproved petrol such as E85(85% ethanol/ 15% gasoline).

DO NOT mix oil with petrol .

DO NOT modify the engine to run on alternate fuels. Turn pressure before removing fuel cap. Loosen fuel cap slowly to release pressure. Keep fuel away from sparks,open flames, pilot lights, heat and other ignition sources.

DO NOT light a cigarette or smoke near open flames,pilot lights, heat and other ignition soutces.

DO NOT light a cigarette or smoke near open fuel tank or container.

Clean area around fuel fill cap and slowly remove cap to allow any pressure to escape.

Install fuel cap and allow any spilled fuel to evaporate before starting the engine.

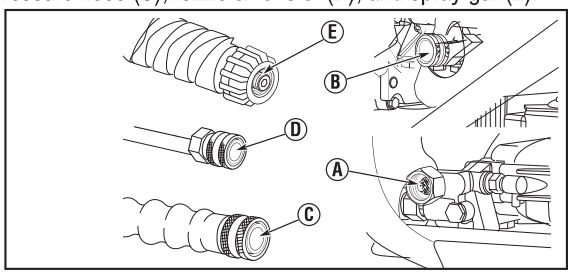
OPERATION

Pre-Start Checks (Continued)

3. Lubrication 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 seal 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 inlet(A), high pressure hose to pump outlet (B),high pressure hose (C),nozzle extension(D), and spray gun(E).



Lubricate all connections shown below, following these instructions:

3.1 Inspect and clean connecting surfaces prior to lubrication and assembly.

3.2 Use lubricants sparingly during assembly; a light film is all that is required.

3.3 Use a small brush or cotton swab to apply grease directly to o-rings where they are not accessible (QC fitting,M22 fitting).

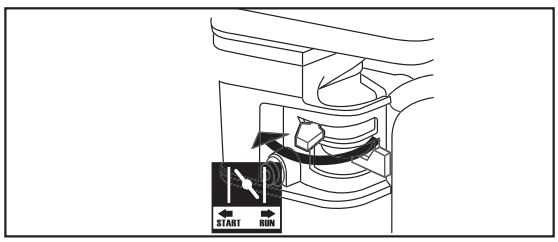
Starting The Engine

⚠ WARNING

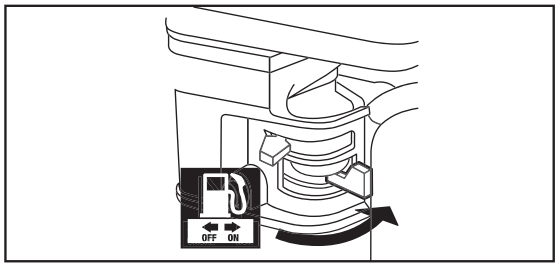
- Inspect the equipment and engine.
- Fill the engine with the proper amount and type of both Fuelset-treated unleaded petrol and SAE30 oil. TURN ON WATER SUPPLY, REMOVE NOZZLE, POINT WAND IN SAFE DIRECTION, AND HOLD DOWN TRIGGER UNTIL ALL AIR IS RELEASED FROM THE SYSTEM, FOR AT LEAST 30 SECONDS.

  Then release the Trigger, lock it in the safety position and replace Nozzle before starting the engine.

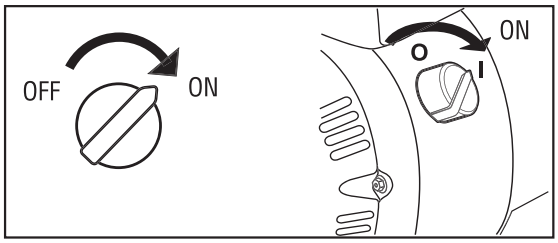
1.To start a cold engine, move the Choke to the START position. To restart a warm engine, leave the Choke in the RUN position.



2. Move the Fuel Valve to the “ON” position.



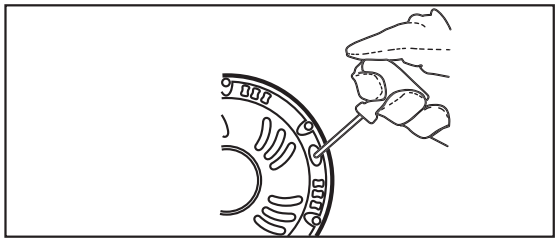
3. Turn the Engine Switch on.



NOTICE:

If engine does not start, check engine oil level. Engine will not start with low or no engine oil.

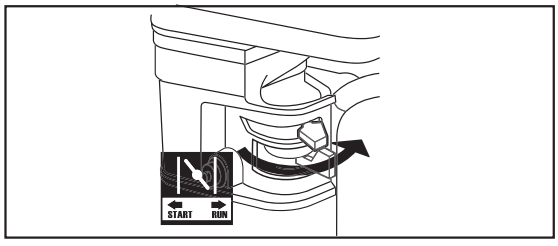
4. Grip the Starter Handle of the Engine loosely and pull it slowly two times to allow the gasoline to flow into the Engine’s carburetor. Then pull the Starter Handle gently until resistance is felt. Allow the Cable to retract fully and then pull quickly. Repeat until the engine starts.



NOTICE:

Do not let the Starter Handle snap back against the engine. Hold it as it recoils so it doesn’t hit the engine.

5. Allow the Engine to run several seconds. Then, if the Choke lever is in the START position,move the Choke Lever very slowly to its RUN position.



NOTICE:

Moving the Choke Lever too fast could stall the engine.

OPERATION

Pressure Washer Operation

⚠ WARNING

Do not direct spray from the Pressure Washer at a person or an animal.

The water stream could cause serious injury.

Do not leave Pressure Washer in bypass mode for more than 2 minutes at a time. Water temperature inside the pressure pump will rise to a dangerous level resulting in damage to the internal components of the pump. Failure to follow this warning will void warranty.

Do not run the pressure pump without the water supply connected and turned on. Damage to the Pressure Washer resulting from failure to follow instruction will void warranty.

ALWAYS wear approved safety glasses when operating Pressure Washers. Spray can splash back or propel objects, including incorrectly attached accessories.

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

Kickback from spray gun can cause you to fall.

⚠ CAUTION

Use the pressure Washer only OUTSIDE in a fully VENTILATED area, place the pressure Washer on surfaces able to withstand the force of the spray.

1. Selecting the Right Nozzle

To prevent damage to your surface and to select an appropriate nozzle size for your application, always start with the lowest pressure nozzle size (Green) and continue to the higher nozzle size until the best work result is achieved.

The pressure Washer comes equipped with five spray nozzles. Each nozzle is color coded and delivers a specific spray pattern and pressure for a particular cleaning job. The size of the nozzle determines the size of the fan spary and the pressure out of the nozzle.

0° Nozzle-Red: This nozzle delivers a pinpoint stream of pressurized water and is extremely powerful. It covers only a small area of cleaning. This nozzle should only be directed at surfaces that can withstand high pressure such as metal ot concrete. Do not use this nozzle to clean wood.

15° Nozzle-Yellow: This nozzle delivers a powerful 15 degree spray pattern for intense cleaning of small areas. This nozzle should only be used on areas and materials that can withstand high pressure.

25° Nozzle-Green: This nozzle delivers a 25 degree spray pattern for intense cleaning of larger areas. It should only be used on areas that can withstand pressure from this nozzle.

40° Nozzle-White: This nozzle delivers a 40 degree spray pattern and a less powerful stream of water. This nozzle can cover a wide area and should be used for most general cleaning jobs.

Chemical Nozzle-Black: This nozzle is used to apply special chemicals and cleaning solutions. This nozzle produces the weakest spressure stream of the nozzles.

2. Nozzles To Spray Wand

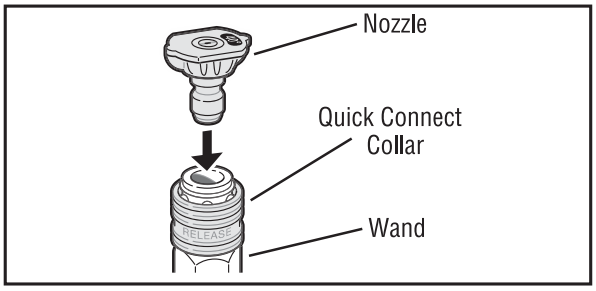
⚠ WARNING

Never place hands in front of nozzle. Never grasp hose or fittings during Pressure Washer operation.

Never attempt to attach or remove spray wand or hose fittings while the Pressure Washer system is pressurized. Turn off Pressure Washer and lock the Gun Trigger before attempting to change pressure nozzles.

2.1 To attach, insert nozzle into female quick-disconnect spray wand and press to snap in the nozzle.

2.2 To detach, slide down slip ring on female quick-disconnect to eject the nozzle.



3. Using The Spray Gun

⚠ WARNING

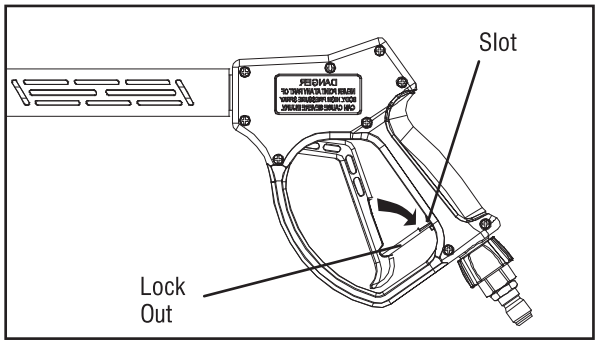
To prevent accidental discharge of the high pressure washer, the trigger lock on the trigger should be engaged whenever the pressure washer is not in use.

To disengage the trigger Lock, push the lock down and into its original postion.

To Operate The Trigger:

3.1 Squeeze the trigger to start water flow through the nozzle.

3.2 Release the trigger to stop water flow.



OPERATION

4. Washing/Cleaning

⚠ WARNING

SOME ENGINE PARTS CAN BECOME EXTREMELY HOT.
Do not allow the pressure hose come in contact with engine exhaust system which can cause damage to the hose.
Damaged hoses can burst and can cause injection injuries.

4.1 Firmly grip spray gun with both hands.

4.2 Start with a low pressure Nozzle, and gradually use higher pressures as needed. Test spray the edge of the surface to be cleaned first to make sure that the stream is not too strong for the surface. If the stream damages the surface, move further away from the surface being cleaned to reduce the pressure being applied to the surface. If the stream is still too strong, lock the Trigger in the safety position and change to a lower pressure Nozzle.

4.3 Point the nozzle to a safe direction and squeeze the spray gun trigger to allow the pump to purge air and impurities in the system and then redirect the nozzle to the working surface.

4.4 Clean vertical and sloped surfaces from the top down.

4.5 When cleaning horizontal surfaces, occasionally use the stream to clean the area of excess water.

- For most effective cleaning, keep spray nozzle 8 to 24 inches away from the cleaning surface.
- If you get spray nozzle too close, you may damage surface being cleaned.
- DO NOT get closer than 6 inches when cleaning tires.

5. Pressure Adjustment

Increase distance: To vary the pressure on the surface being cleaned, vary the distance between the spray wand and the surface being cleaned.

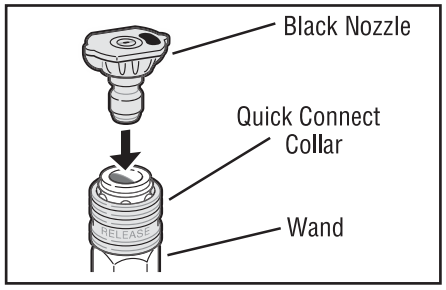
Change pressure wand nozzle: Completely shut down Pressure Washer and stop petrol engine.
Change spray nozzle for desired pressure (see “Selecting The Righe Nozzle”).Restart the engine.

6. Using Chemicals And Cleaning Solvents

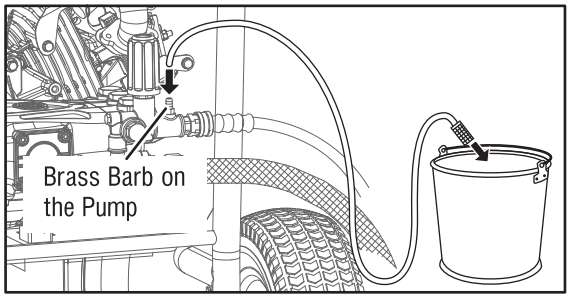
NOTICE:

Use only soaps and chemicals designed for use with pressure Washer. DO NOT USE CHLORINE BLEACH.Chemicals pressure nozzle has to be used. Only use the Black (low pressure) Nozzle when spraying detergents. A full Detergent Tank (NOT supplied) with Pressure Washer will draw one litre of detergent for every seven litres of water.

1 If the Pressure Washer has an onboard soap tank:
1.1 Fill the soap tank with detergent and close the lid.
1.2 Change the nozzle in the wand to the Black Nozzle.
1.3 Start the engine.



2 If the Pressure Washer doesn’t have a soap tank:
1.1 Connect the Siphon Tube with Strainer to the brass barb on the high pressure hose connection area of the pump.
1.2 Submerge the strainer end of the siphon tube in the soap/detergent solution bottle or bucket.
1.3 Change the nozzle to the black nozzle and start engine.



7. To Rinse

7.1 Replace the nozzle with an appropriate high pressure nozzle (see “Selecting The Right Nozzle”).
Squeeze the trigger and wait for the detergent to clear.
7.2 Keep the spray gun a safe distance from the area you plan to spray.
7.3 Apply a high pressure spray to a small area, and then check the surface for damage. If no damage is found, it is okay to continue cleaning.
7.4 Start at the top of the area to be rinsed, working down with the same overlapping strokes as you used for washing and applying detergent.

8. Cleaning Tips

⚠ WARNING

Never use the Pressure Washer water inlet to siphon detergent or wax.
Leaving chemicals and cleaning solutions inside the pressure pump could damage it. Damage created by leaving soaps, chemicals and cleaning solutions inside the pump can void the warranty.

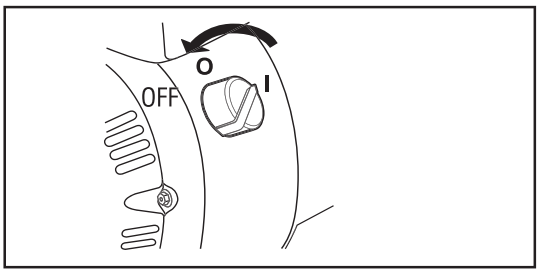
OPERATION

Stopping the Engine and Pressure Washer

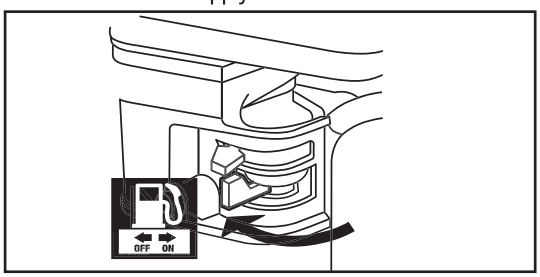
⚠ WARNING

SOME ENGINE PARTS CAN BECOME EXTREMLY HOT.
If you intend to disconnect the high pressure hose after completing a wash, avoid touching the engine exhaust system while disconnecting the high pressure hose from the pump

1. To stop the engine in an emergency, turn the Engine Switch off.



2. Under normal conditions, use the following procedure:
   2.1 Release the Trigger on the Spray Gun handle.
   2.2 Turn the Engine Switch off.
   2.3 Close the Fuel Valve.
   2.4 Turn the water supply off.



3. Squeeze the Trigger to release excess pressure.
4. If the pressure washer detergent has been used, run clean water through the system to eliminate detergent residue using the following procedure:
   4.1 Turn off the Engine as detailed in step 2.
   4.2 Fill the Detergent Tank (Not supplied) with clean water.
   4.3 Remove the Nozzle and restart the Engine (Following directions in “Starting The Engine”)
   4.4 Point Wand in a safe direction and hold down to flush water through the system until clean.
   4.5 Turn off the Engine as detailed in step 2.

High Altitude Operation

At high altitudes over 3,000 feet, the engine carburetor and any other parts that control the fuel-air ratio will be affected,which will decrease performance, increase fuel consumption and increase emission. Proper operation can be ensured by installing an altitude kit by a qualified mechanic when using it at an altitude higher than 3,000 feet. Refer to the altitude kit and operation instruction (provided) when needed.

MAINTENANCE

WARNING

Regular maintenace will improve the performance and extend the life of the Pressure Washer.
The Pressure Washer's warranty does not cover items that have been subjected to operator abuse or negligence. Only by maintaining the Pressure Washer in accordance with instructions in this manual will the full value of the warranty be honoured. Some adjustments will need to be made periodically to properly maintain the Pressure Washer. All service and adjustments should be made at least one time each season. It is important that the maintenance chart below be followed.

Many maintenance procedures, including any not detailed in this manual, will need to be performed by a qualified technician for safety. If you have any doubts about your ability to safely service the equipment or engine, have a qualified technician service the equipment instead.

Engine Maintenance Schedule

NOTICE:

This maintenance schedule is intended solely as a general guide. If performance decreases or if equipment operates unusually, check systems immediately. The maintenance needs of each piece of equipment will differ depending on factors such as duty cycle, temperature, air quality, fuel quality, and other factors.

NOTICE:

The following procedures are in addition to the regular checks and maintenance explained as part of the regular operation of the engine and equipment.

Frenquency	Items	Each Time	Every month or 20 Hrs	Every 3 months or 50 Hrs	Every 6 months or 100 Hrs	Every Year or 300 Hrs
Brush off outside of engine						
Engine Oil	Check oil level	√				
	Replace				√ *	
Air Filter	Check	√				
	Clean			√	√ *	
	Replace					√ *
Deposit Cup	Clean				√	
Spark Plug	Clean,Adjust				√ ***	
	Replace					√ *
Spark Arrster	Clean				√	
Valve Clearance	Clean,Adjust					√ **
Fuel Tank	Clean					√ **
Emission & Evaporation System						√ **
Fuel Supply Line	Clean	Every two years (Replace if necessary**)				

* Recommended to be performed more often than in the schedule if operated in dusty environments.
** Recommended to be performed by qualified technician.
*** Adjust air gap to 0.6mm - 0.7mm.

MAINTENANCE

Pump Maintenance

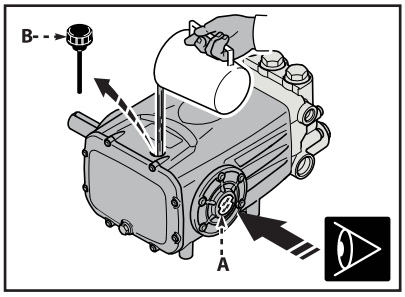
- Before doing any maintenance work, depressurise the water system and isolate the pump from all energy sources.
- When the jobs are done, before restarting the pump, check that no tools, rags or other materials have been left close to moving parts or in hazardous zones.
- Replace any excessively worn components with original parts and use lubricants recommended by the manufacturer.
- Carry out the routine maintenance procedures specified by the manufacturer to keep the pump safe and performing well.

Scheduled service table			
Frequency	**Component**	**Procedure**	**Reference**
Every working day	Filter	Inspect filter cartridge	See “Inspecting the filter”
	Pump	Oil level check	See “Checking the oil level”
Every 50 working hours	Connection to engine	Inspection visually	
	Pump, Pipes and connections	Inspect mounting	See “Inspecting the pump mounting”
	Pipes and connections	Inspection	See “Inspecting the connections and pipes”
	Pump	Oil change (1)	See "Changing the oil"
Every 500 working hours or every year	Pump	Oil change	See "Changing the oil"
Every 1000 working hours	Pump gaskets	Replacement	Contact an authorised service centre
	Valves	Replacement	Contact an authorised service centre

(1) This interval refers to the first oil change only

Checking pump oil level

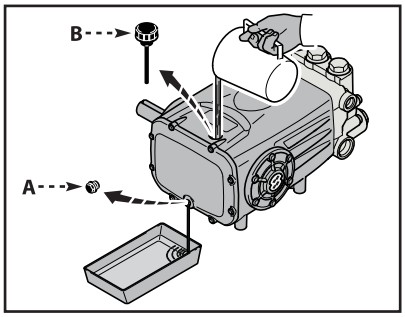
- Check the oil with the dipstick and when cold
- Check the amount of oil through the level gauge(A).
- If necessary, top up with oil with the characteristics specified in the “Comparison table of lubricants”
- To top up with oil proceed as described below. Unscrew the plug (B) and pour oil in until it is halfway up the level gauge (A), screw on the plug (B).



Changing pump oil

Position machine where the pump is perfectly level, and the pump is slightly warm. Do not release oil into the environment. Dispose of old oil in accordance with statutory requirements. To change the oil, proceed as described below:

- Position a tray of suitable capacity to collect the old oil.
- Unscrew the drain plug (A) and allow all the oil to flow out, screw on the drain plug (A).
- Unscrew the fill plug (B), pour in the fresh oil through the filler hole until the correct level is reached (see "Checking the oil level"), screw on the filler plug (B).



MAINTENANCE

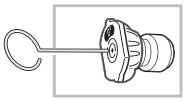
Pump Maintenance (Continued)

1.Checking Pressure Pump

The pressure pump is maintenance free. If you notice any sign of oil leakage in and around the pump, DO NOT operate the pressure washer.

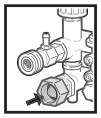
2. Cleaning Nozzle

Occasionally, the spray wand can become clogged with foreign materials such as dirt. When this happens excessive pressure can develop. Whenever the pressure nozzle becomes partially clogged, the pump pressure will pulsate.
It should be immediately cleaned.



2.1 Make sure Pressure Washer is shut off and spray gun trigger is locked.
2.2 Remove high pressure spray nozzle from spray wand. Using the nozzle cleaning needle (provided), remove any obstructions by inserting and carefully moving the pin back-and-forth through nozzle hole under clean running water.
2.3 After cleaning, remove the needle from the nozzle and store for future use.
2.4 Reassemble pressure nozzle to spray wand.

3. Cleaning Water Inlet Screen Filter



The water inlet screen filter should be checked periodically and cleaned if necessary.
3.1 Disconnect inlet water hose.
3.2 Remove filter by grasping end and pulling straight back.
3.3 Clean screen filter by flushing both sides with water.
3.4 Insert screen filter back inside the water inlet port.

⚠ WARNING

DO not operate the Pressure Washer without screen filter. Impurities entering the pressure pump can cause internal damage.

Cleaning the Pressure Washer

Daily or before use inspections should include areas around and underneath the Pressure Washer, looking for signs of fuel or oil leaks. Preventative maintenance should be taken if leakage is found.
Clean accumulated debris from outside and inside the Pressure Washer.
Ensure all linkages,springs and other engine controls are kept clean.
Inspect cooling air slots and openings on the Pressure Washer. Openings must be kept clean and unobstructed for peak performance of the Pressure Washer. Engine components should be kept clean reducing the risk of overheating and ignition of accumulated debris.

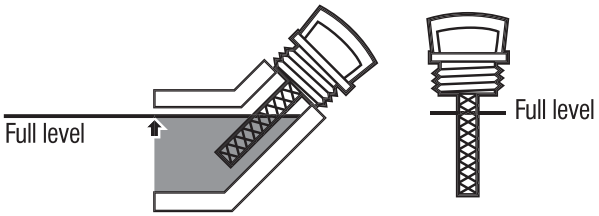
- Use a damp cloth to wipe exterior surfaces clean.
- Use a soft bristle brush to loosen caked on dirt or oil.
- Use a shop-vacuum to pick up any loose dirt and debris.

Changing Engine Oil

⚠CAUTION

Oil is very hot during operation and can cause burns. Wait for the engine to cool before changing oil.

1. Make sure the engine is stopped and is level.
2. Close the fuel Valve.
3. Place a drain pan (not included) underneath the crankcase's drain plug.
4. Remove the drain plug and if possible,tilt the crankcase slightly to help drain the oil out. Recycle used oil.
5. Replace the drain plug and tighten it.
6. Clean the top of the Dipstick and the area around it. Remove the Dipstick by turning it counterclockwise, and wipe it off with a clean, lint free rag.

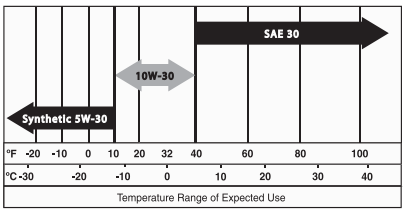


Adding Engine Oil

All oil should meet minimun American Petroleum Institute(API) Service Class SJ, SL or better. Use no special additives. Select the oil's Viscosity grade according to the expected operating temperature (also see chart).

The SAE Viscosity Grade Chart

Above 40° F, use 10W-30
Between 40° F and 10° F, use 10W-30
Below 10° F , use Synthetic 5W-30



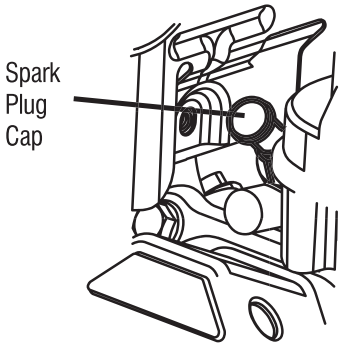
Replace the Dipstick and Clockwise.

NOTICE:

Do not run the engine with too little oil. Engine will not start with low or no engine oil.

MAINTENANCE

Spark Plug Maintenance



1. Disconnect the spark plug cap from the end of plug. Clean out debris from around the spark plug.
2. Using a Spark plug wrench, remove the spark plug.
3. Inspect the spark plug:
   If the electrode is oily, clean it using a clean, dry rag.
   If the electrode has deposits on it, polish it using emery paper. If the white insulator is cracked or chipped, the spark plug needs to be replaced.

Recommended Spark Plugs	
NGK®	BP-6ES
NHSP® / TORCH®	F6TC

NOTICE:

Using an incorrect spark plug may damage the engine.

4. When installing a new spark plug, adjust the plug's gap to the specification on the Specifications chart. Do not pry against the electrode, or the spark plug can be damaged.
5. Install the new spark plug into the engine.

   - Gasket-style
     Finger-tighten until the gasket contacts the cylinder head, then tighten about 1/2-2/3 turns more.
   - Non-gasket-style
     Finger-tighten until the plug contacts the cylinder head, then tighten about 1/16 turns more.

NOTICE:

Tighten the spark plug properly. If loose, the spark plug will cause the engine to overheat. If overtightened, the threads in the engine block will be damaged.

6. Apply dielectric spark plug boot protector (not included) to the end of the spark plug and reattach the wire securely.

Air Filter Maintenance

1. Remove the Air Filter Cover and the air filter(s) and check for dirt. Clean as described below.
2. Cleaning:

- For paper filters:
  To prevent injury from dust and debris, wear an ANSI-approved NIOSH-approved dust mask/respirator, and heavy-duty work gloves. In a well-ventilated area away from bystanders, use pressurized air to blow dust out of the filter. If this does not get the filter clean, replace it.
- For foam filters:
  Wash the filter in warm water and mild detergent several times. Rinse. Squeeze out excess water and allow it to dry completely. Soak the filter in lightweight oil briefly, then squeeze out the excess oil.

3. Install the cleaned filter(s). Secure the Air Filter Cover before use.

Long-term Storage

When the equipment is to remain idle for longer than 20 days, prepare the Engine for storage as follows:

1. Cleaning

Wait for the Engine to cool, then clean the Engine with a dry cloth.

NOTICE:

Do not clean using water. The water will gradually enter the Engine and cause rust damage.
Apply a thin coat of rust preventive oil to all metal parts.

2. Fuel

Petrol fuel can become stale when stored over 30 days, which will cause acid and gum deposits to form in the fuel system or crucial carburetor parts. To keep fuel fresh, add Fuelset to the fuel tank. Draining petrol is unnecessary if Fuelset is used according to the instructions that come with it. Run the Pressure Washer engine for a minimum of two minutes, after Fuelset is added to fuel, to allow it to circulate throughout the engine. The engine and fuel can be stored up to 24 months.

⚠ WARNING

TO PREVENT SERIOUS INJURY FROM FIRE:
Fill tank in a well-ventilated area away from ignition sources. If the engine is hot from use, shut the engine off and wait for it to cool before adding fuel. Do not smoke.

MAINTENANCE

3. Lubrication

To protect against rust formation during storage,oil the cylinder bore:

3.1 Change engine oil.
3.2 Clean out area around spark plug. Remove spark plug and pour approximately 1/2 oz (15 ml) of clean engine oil into the cylinder.
3.3 Replace the spark plug, but leave spark cap disconnected.
3.4 Pull the Starter Handle to distribute oil in the cylinder. Stop after one or two revolutions when you start to feel resistance

⚠ WARNING

Unintentional sparking can cause a fire or electrical shock. Failure to observe this warning can cause severe property damage, severs burns and even death.
Disconnect the spark plug wire from the spark plug and cover the tip of the spark plug wire with insulating tape, placing the wire where it cannot come in contact with the spark plug or Pressure Washer frame.

4. Storing Accessories

The Pressure Washer is equipped with places to store your accessories as shown.
4.1 Place Spray Gun into the Gun Holder.
4.2 Place nozzles on the nozzle panel.
4.3 Coil and tie Pressure Hose, and hang on the hose hanger.

5. Pump Preparation:

5.1 Disconnect the Pressure Hose and water supply hose from the Pump.
5.2 Connect a short length of garden hose with a male hose connector on one end to the Pump's water inlet connection.
5.3 Use a funnel to add approximately 170 mL of RV antifreeze to the Pump.

NOTICE:

Use only RV antifreeze. Ohter types of antifreeze are corrosive and can damage the Pump.

5.4 With the spark plug cap disconnected and the Engine switch in the OFF position, pull the Starter Handle several times until antifreeze begins to come out of the Pump outlet fitting.
5.5 Remove the Pressure Hose from the Pump.

6. Storage Area

Cover and store in a dry, level, well-ventilated area out of reach of children. Storage area should also be away from ignition sources such as water, heaters, clothes dryers and furnaces.

7. Every 3 Months, To Protect Engine and Warranty Coverage

7 .1 Safely drain antifreeze, and dispose of properly.
7.2 Connect the Pressure Hose and water supply hose.
7.3 Turn on the water supply, remove nozzle, point wand in a safe direction, and hold down trigger until all air is released from the system, for at least 30 seconds. Then release the Trigger, lock it in the safety position and replace the Nozzle before starting the engine.
7.4 Discharge the nozzle in a safe direction and run engine for 15-20 minutes or the Warranty is VOID. Turn off engine.
7.5 Discharge the nozzle in a safe direction, and then disconnect hoses and drain the water.
7.6 Connect a short length of garden hose with a male hose connector onto the Pump's water inlet connection.
7.7 Use a funnel to add approximately 170 ml of RV antifreeze to the Pump.

NOTICE:

Use only RV antifreeze. Other types of antifreeze are corrosive and can damage the Pump.

8. Preparation For Use After Storage

8.1 Slowly pull the starter cord a few times to clean oil from the cylinder or to eject any antifreeze from the pump which was added prior to storage.
8.2 Remove the spark plug from the cylinder. Wipe oil from the spark plug and return it to the cylinder and retighten.
8.3 Reconnect the spark plug wire.

TROUBLESHOOTING GUIDE

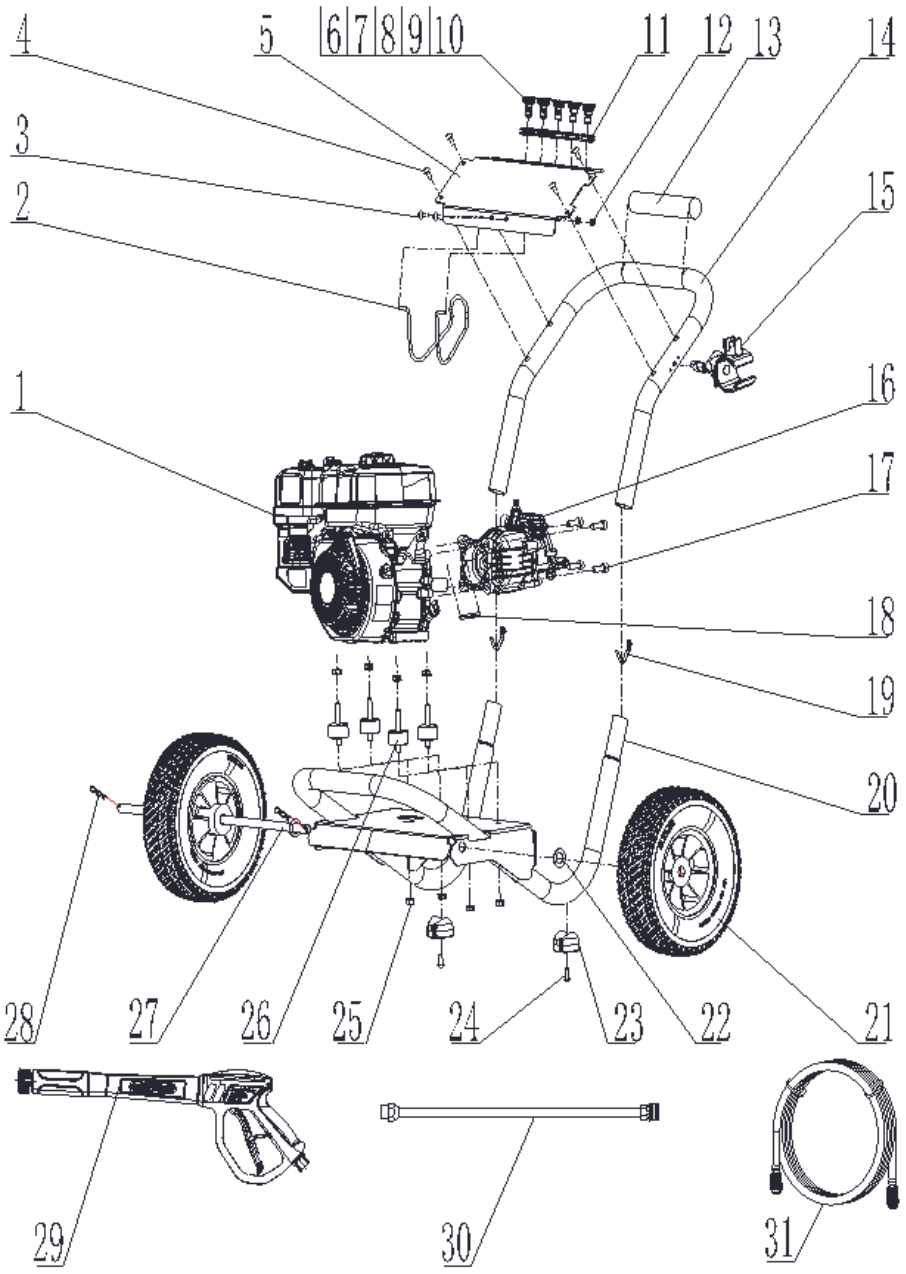
Problem	Probable Cause	Solution
Engine shuts down when running.	1.Out of fuel. 2.Low Engine Oil	1.Fill fuel tank. 2.Add oil.
Engine will not start; or starts and runs rough.	1.Engine On/Off set to “OFF” position. 2.Fuel valve is in “OFF” position. 3.Dirty air cleaner. 4.Out of fuel. 5.Stale fuel. 6.Spark plug wire not connected to spark plug. 7.Bad spark plug. 8.Water in fuel. 9.Flooded. 10.Excessively rich fuel/air mixture. 11.Intake valve stuck open or closed. 12.Engine has lost compression. 13.Low engine oil. 14.Wrong Fuel. 15.Engine is too hot. 16.Choke is in wrong position. 17.Pressure builds up after 2 pulls on starter coil or after initial use.	1.Set switch “ON” position. 2.Turn fuel valve to “ON” position. 3.Clean or replace air cleaner. 4.Fill fuel tank. 5.Drain fuel tank and carburetor; fill with fresh fuel. 6.Connect wire to spark plug. 7.Replace spark plug. 8.Drain fuel tank and carburetor; fill with fresh fuel. 9.Wait 5 minutes and recrank engine. 10.Call 0800 387 678 11.Call 0800 387 678 12.Call 0800 387 678 13.Add oil. 14.Use recommended fuel. 15.Allow engine to cool. 16.Change choke position. 17.Squeeze gun trigger to relieve pressure.

Problem	Probable Cause	Solution
Engine “hunts” or falters.	1.Carburetor is running too rich or too lean.	1.Call 0800 387 678
Engine lacks power.	1.Cylinder pressure is low. 2.Dirty air cleaner.	1.Call 0800 387 678 2.Replace air filter.
No pressure or low pressure.	1.Spray wand not set to high pressure. 2.Inadequate water supply. 3.Hose fitting leaks during high pressure. 4.Nozzle obstructed. 5.Water filter screen obstructed. 6.Defective pump. 7.Air in hose. 8.Choke lever in choke position. 9.Throttle control lever is not in fast position.	1.See“SELECTING THE RIGHT NOZZLE” section. 2.Water supply must be 18.9LPM @20 psi. 3.Tighten hose fitting. Use thread sealant tape if necessary. 4.Clean Nozzle (See Maintenance). 5.Remove and clean filter. 6.Call 0800 387 678 7.Squeeze trigger to remove air. 8.Move choke to “RUN” position. 9.Move throttle control lever to fast position.
Water leaking at pump	1.Loose connections. 2.Piston packings worn. 3.Worn or broken O-rings. 4.Pump head or tubes damaged from freezing.	1.Tighten connections. 2.Clean or replace. Call 0800 387 678 3.Clean or replace. Call 0800 387 678 4.Clean or replace. Call 0800 387 678

Problem	Probable Cause	Solution
Pump will not draw chemicals	1.Spray wand not set to low pressure. 2.Chemical hose/filter clogged. 3.Chemical screen not in chemical. 4.Chemical solution too thick. 5.Chemical build up in chemical injector.	1.See"SELECTING THE RIGHT NOZZLE" section. 2.Clean hose/filter. 3.Ensure end of chemical hose is fully submerged into chemicals. 4.Dilute chemical. Chemical solutions should have same consistency as water.
No or low pressure (after period of normal use).	1.Worn seal or packing. 2.Worn or obstructed valves. 3.Worn unloader piston.	Clean or replace. Call 0800 387 678
Water leaking at spray gun/spray wand connection.	1.Worn or broken O-ring. 2.Loose hose connection.	1.Clean or replace O-ring. Call 0800 387 678 2.Tighten hose connection
Oil leaking at pump	1.Oil seal worn. 2.Loose drain plug O-ring. 3.Worn drain plug O-ring. 4.Worn fill plug O-ring. 5.Pump overfilled. 6.Incorrect oil used. 7.Vent plug clogged.	1.Clean or replace. Call 0800 387 678 2.Tighten drain plug. 3.Inspect & replace O-ring. 4.Inspect & replace O-ring. 5.Check for correct amount. 6.Drain and refill with correct type and amount of oil. 7.Clean vent plug. Use air hose to free it of blockage. If problem persists, replace vent plug.
Pump pulsates	1.Nozzle obstructed. 2.Air in the system.	1.Clean Nozzle (See Maintenance). 2.Squeeze trigger to remove air.

PARTS LIST AND DIAGRAM

General Assembly Diagram



PARTS LIST AND DIAGRAM

General Parts List

Part	Description	Qty.
1	Engine	1
2	Pressure Hose Hook	1
3	Hexagon Socket Head Bolt	2
4	Hexagon Socket Head Bolt	4
5	Panel	1
6	Nozzle 0°	1
7	Nozzle 15°	1
8	Nozzle 25°	1
9	Nozzle 40°	1
10	Nozzle	1
11	Nozzle Fixing Seat	5
12	Nylon Nut	2
13	Foam Grip	1
14	Handle Tube Assy.	1
15	Gun Holder Assy.	1
16	Axial Cam Pump	1
17	Hexagon Socket Cylindrical Head Bolt	4
18	Flat Key	1
19	V-clip	2

Part	Description	Qty.
20	Frame Assy.	1
21	Wheel Assy.	2
22	Flat Washer	2
23	Damping Pad	2
24	Hexagon Socket Head Bolt	2
25	Hex Flange Nut	8
26	Stud Damping Seat	4
27	Wheel Axle	1
28	Locking Clip Of Locating Pin	2
29	Spray Gun	1
30	Spray Wand	1
31	High Pressure Hose	1

SPECIFICATIONS

Model	PS3400
Max. Pressure	3400PSI / 234Bar
Flow Rate	11.4L/min
Displacement	223cc
Engine	Powerdyne 8HP Recoil Start
Pump	AR Triplex Pump with Brass Head Pump
Max Water Temp.	50°C
Fuel Tank Size	3.6L
Sound Pressure Level	108dB
Net Weight	34kg
Gross Weight	37kg
Detergent	Siphon Tube Detergent
Low Oil Sensor	YES
Thermal Relief Valve	YES
Machine Dimension (LxWxH)	898 x 788 x 930mm

WARRANTY

As part of an on-going commitment to excellence in product support, Euroquip offers a comprehensive product warranty program.

1. THIS WARRANTY:

The benefits provided to the consumer in this warranty are in addition to other rights and remedies of a consumer under the New Zealand Consumer Guarantees Act 1993 and any other laws in relation to the products to which this warranty relates. This warranty:

- Covers the product against faulty materials or workmanship; and
- Covers the replacement of parts, the repair labour used, a refund of the price of the product or replacement of the machine, or other compensation for the remainder of the warranty period.

This product warranty is only applicable to the original purchaser of the machine and only purchases made from Euroquip Authorized Retailers.

2) WARRANTY PERIODS:

Commercial: 24 Months

Or

1000 hours of operation – whichever occurs first.

Commercial Warranty applies to commercial or business use of the product: All uses other than domestic use, including use for income-producing (including farming) or rental purposes.

*These Powershot Warranty periods are for products that are:

- Serviced by a Powershot Dealer in accordance with the Powershot service schedule, using genuine parts and the correct grade of oil (proof required)
- Meeting all other warranty requirements

NOTE: These warranty conditions apply to New Zealand only.

Euroquip warrants each new Powershot machine free from defect in material and workmanship under normal use and routine servicing, for the warranty periods specified. Conditional to the limitations and exclusions list below. The warranty period begins when the product is purchased by the end user. Warranty is not transferrable and is only claimable by the original purchaser.

Proof of purchase documentation with product serial number must be provided. If it has been lost and Euroquip does not have a record of the purchaser's details, the warranty period shall be calculated from the appropriate dealer wholesale sale date.

The purchaser must keep a record of all service and maintenance history as proof of servicing history. This may be requested when assessing any future warranty claims. The decision that an issue with a product qualifies as a warranty claim is made at the sole jurisdiction of Euroquip.

No costs incurred will be considered under warranty if repairs or maintenance are carried out by any party other than a Euroquip Approved Service Agent, unless with prior consent in writing from Euroquip.

It is the full responsibility of the purchaser to deliver the product under warranty to the nearest relevant service agent or product reseller. Warranty does not cover transportation costs including call outs, mileage and freight costs.

Customers are responsible for the care and cleaning of their product prior to sending it to our service centre. Any product being sent us must be thoroughly cleaned. Depending on what the product has come into contact with, it could pose an Occupational/ Work Health and Safety risk for our staff and or/service agents to inspect, repair or service a product that has come into contact with a hazardous substance. If we are asked to inspect, repair or service a product that has come into contact with a hazardous substance such as chemicals, asbestos or silica dust, we may not be able to inspect, service or repair the product. If this is the case, we will inform the purchaser and the product will be returned.

If a product is repaired under warranty, parts and labour required for the repair will be supplied at no charge. All defective parts replaced under warranty become property of Euroquip. Consumable items such as, but not limited to, oils, coolants, filter and spark plugs shall be the responsibility of the owner. Warranty assessment and repair will be scheduled and executed according to the normal work flow at the service location and depending on the availability of suitable replacement parts.

This warranty policy is an additional benefit and does not supersede the legal rights of any customer, reseller or service agent.

Should any issue be found to be a combination of a warranty failure and a non-warranty issue such as incorrect charging techniques, the repair cost component to rectify and repair the non-warranty failure is the **customer's** full responsibility.

3) EXCLUSIONS:

- Warranty does not cover parts that are subject to wear and tear from usage and/or damage which results from neglect of periodic maintenance.
- Evidence must be provided that the product has been maintained and serviced suitably for a claim to be considered under warranty.
- Batteries supplied with your product are warrantied against defect for 3 months and does not include lack of charge due to non-use. Consumable items such as, but not limited to, oils, coolants, filters, spark plugs and batteries shall be the responsibility of the purchaser.
- Failure caused by incorrect operation of the product as specified in the manual either intentionally or by error.
- Lack of proper care and maintenance of the product.
- Any damage which results from unavoidable natural disasters, fire, collision, theft, etc.
- Any normal wear or deterioration, such as that of sliding or rotating parts caused under normal operating conditions.
- Any damage that results from misuse or use beyond the imitations of the products intended purpose (such as overloading or use under abnormal conditions).
- External circumstances such as product deterioration or corrosion due to environmental conditions like heat, cold, salt spray , sand or due to the passage of time
- Normal phenomena such as noise, vibration or oil seepage which are considered by Euroquip as not affecting the quality, function or performance of the product.
- Any damage due to improper storage or transport.
- Consumable replacement items: Spark plugs, contact points, shear pins, fuel strainers, oil filter elements, air cleaner elements, brake shoes or pads, clutch components, fuses, motor brushes, gaskets, tube or hoses, belts, cutting blades, light bulbs, serviceable bearings. Petroleum and others fluids: Oil, grease, battery electrolyte, and radiator coolant. Other items specified by Euroquip.
- Periodical maintenance items such as cleaning, inspection and adjustments.
- Contaminated fuel
- Modifications or installations of other products to the product
- Damage that results from the use of non-genuine parts, lubricant or fluid not approved by Euroquip
- Any repair and/or adjustment to correct improper or poor quality work previously performed.
- Attempted repair/ service by a party other than an Approved Service Agent, or any repair undertaken prior to approval of warranty be Euroquip is not covered under warranty.
- Warranty does not cover pre delivery service and adjustment, or failure that may occur as a result of lack of/ incorrect pre delivery service and adjustment. Warranty does not cover any incidental, indirect or consequential loss, damage, personal injury, or expense that may result from any defect, failure, malfunction, or misuse of a product.
- Any product that is found to have come into contact with hazardous substances such as chemicals,asbestos or silica dust and NOT been industrially cleaned prior to servicing.

4) HOW TO CLAIM WARRANTY:

In the event you are faced with a manufacturing fault with your Powershot product, you can claim a repair or part replacement under warranty if the following conditions are fulfilled:

- The problem is related to production quality or specifications of the machine
- The machine is within the warranty period outlined in schedule
- The issue does not fall within the warranty exclusions listed

If the criteria above is met, and you would like to request a warranty, then please go online to https://www.euroquip.co.nz/Service-Request-End-User and log your warranty claim.

Congratulations on your new **POWERSHOT** product. We are proud to have you as our customer and will strive to provide you with the best service and reliability in the industry. This product is backed by our extensive warranty and service network. Please contact your local agent or submit a service case online for fast response at **customerservice@euroquip.co.nz**