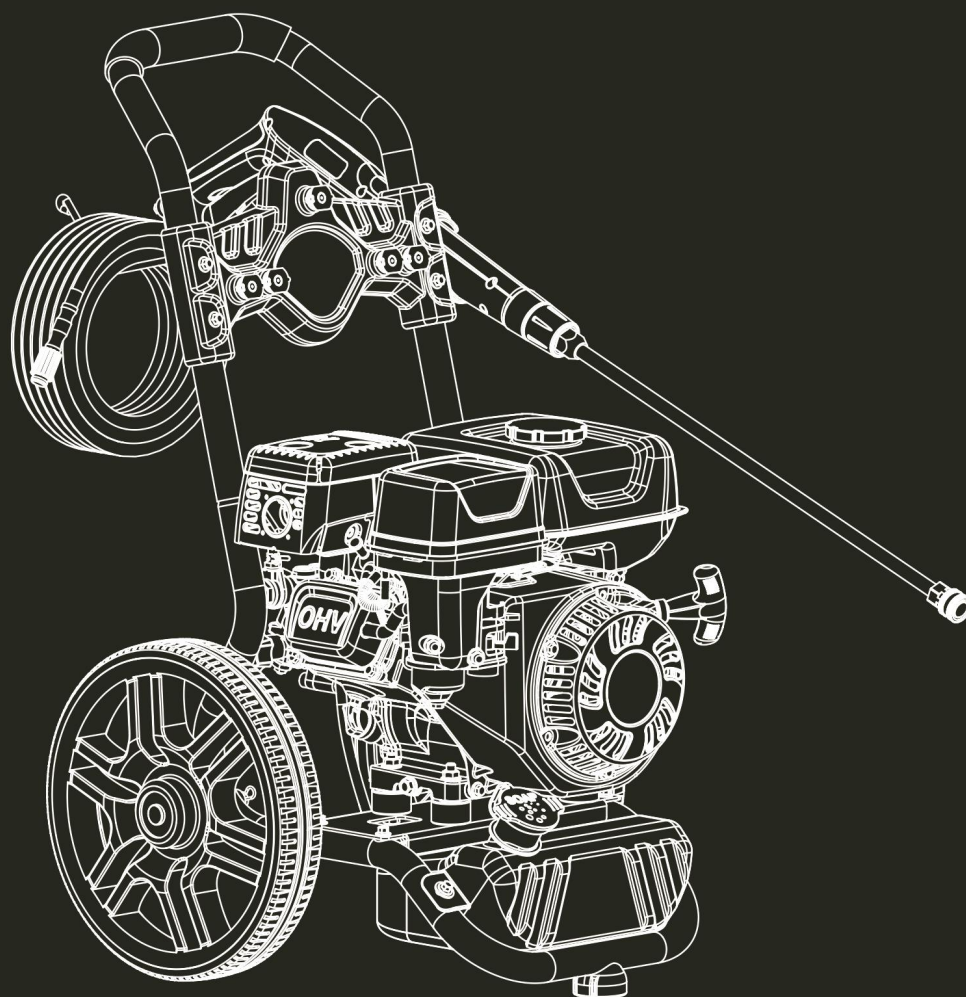


HYUNDAI
POWER PRODUCTS

PETROL PRESSURE WASHER
HNHPT220-B

ORIGINAL INSTRUCTIONS



WARNING: Read thoroughly the instruction manual before using.

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1. SAFETY INSTRUCTIONS

- Read all instructions before using the machine.
- Use this unit as described in this manual. Any mishandling and any use contrary to instructions for use shall in no case be the responsibility of the manufacturer.
- Follow all instructions given in this manual regarding putting into service, safe operation, handling, transportation and storage of the machine. Always take into account the weight of the machine.
- Failure to observe the safety and operating instructions may result in a risk of fire and / or personal injury.
- If you are giving this unit to another person, please also provide this manual.
- Do not use attachments other than those recommended by the manufacturer; they can damage the unit and / or cause injury.
- This machine should not be used by children. Children should be supervised to ensure that they do not play with the appliance.
- This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
- Do not disassemble the device yourself. Any disassembly, repair or inspection should be carried out exclusively by a qualified person.
- **WARNING:** This machine is intended for use with a cleaning agent supplied or recommended by the manufacturer. Use of other cleaning or chemical agents may affect the safety of the machine.
- **WARNING:** High pressure jets can be dangerous if misused. The jets should not be directed to people, electrical equipment or the machine itself.

- WARNING: Do not use the machine near people unless they wear protective clothing.
- Do not direct the jet against yourself or others to clean clothes or footwear.
- WARNING: Risk of explosion. Do not spray flammable liquids.
- WARNING: High pressure cleaners should not be used by children or untrained persons.
- WARNING: Pipes, fittings and connectors are important for the safety of the machine. Only use hoses, fittings and connectors recommended by the manufacturer.
- WARNING: To ensure the safety of the machine, use only the original manufacturer's parts or approved by the manufacturer.
- WARNING: Water that has flowed through the flow shutters is considered to be unsafe.
- WARNING: The machine must be switched off by putting the ON/OFF switch on the OFF position during cleaning or maintenance and when replacing parts or converting the machine to other functions.
- WARNING: Do not operate the machine if any important parts are damaged, such as safety devices, high pressure hoses or the trigger gun.
- WARNING: Do not use combustion engine powered machines indoors unless adequate ventilation is assessed by national labor authorities.
- WARNING Make sure there are no exhaust emissions near the air intakes.
- WARNING: It is important to provide adequate ventilation and make sure that the flue gases are properly discharged.
- WARNING: Incorrect fuels shall not be used as they may prove hazardous.

- Children, animals and persons not participating in the use of the machine must remain at a minimum distance of 10 meters from the sprayer.
- The high pressure hose must remain connected to the compressor as long as the system is under pressure.
- Do not use corrosive or flammable liquids in the machine.
- The appliance must be connected to a water supply using a new set of hoses; the old pipe set must not be reused.
- When using the machine, wear protective equipment including safety goggles, safety shoes, safety gloves, safety helmet with visor and double-insulated hearing protection.
- In order to move the unit easily, bend the lance.
- Warning: When you activate the machine, the great pressure of the water coming out of the pipe can create a kickback; Pay attention to the movement of the lance. Hold it tight. The force of the kickback is greater than 20N.
- Before assembling, dismantling, repairing, transporting, servicing and storing, check if the machine switched-off.
- Handle the unit with care, do not drop it.
- Do not use the machine in extreme weather conditions, when it is very cold. Do not use the machine with ice water.
- Use the tool in a stable and plane location.
- When transporting the machine, take note of its weight. Do not overestimate your efforts and get help if necessary.
- The machine must be transported from one point to another and switched off and. Always use the transport handle.
- Improper transport of the machine may result accidents

and injuries.

- During use, transport, assembly, disassembly, in case of failure, during foreseeable tests or breakdowns, the tool must always remain upright.
- Do not use the tool in dangerous situations or when an accident has occurred. Do not use it indoors, in places where exhausted gases can be emitted, etc.
- When opening the trigger gun, pay attention to the kickback force. The power of the gun can cause a kickback and can produce a loss of control of the gun and create accidents and injuries. Hold the gun firmly, and with both hands if possible.
- To avoid dangerous situations in the event of an accident (e.g. contact with or spill of detergents, fuel or oil) or equipment failure (such as a puncture or component failure); please stop to use the machine immediately. Check the problem. Have the machine inspected by a qualified technician. In the event of a spill, move the machine away and clean up spills. In the event of an overflow, move the machine away and clean the overflow.
- While using the machine, avoid being under the influence of alcohol and drugs.
- Never spray electrical cables or sockets.
- It is strictly forbidden to add fuel when using the machine.
- Do not touch hot surfaces or place the pipe in contact with hot surfaces of the engine.
- Do not use the machine in a confined space, in order to prevent poisoning by carbon monoxide
- Do not use the unit near fire
- Never operate the machine towards the gasoline.
- Beware of the risk of fire! Do not add fuel while the engine is running. Do not exceed the amount of fuel

expected for operation.

- Do not operate the machine if fuel has been spilled; change location, and wait until the device is dry before restarting it.
- Use the machine in an open space and avoid contact with heat generating appliances, such as boilers, water heaters, etc.
- For more safety, use only original spare parts or equivalent parts approved by the manufacturer.
- Do not cover the machine while the engine is running.
- Do not use mobile phones or smoke when filling the fuel.
- Store the cleaner in a dry, airy place, with the empty tank.
- **WARNING:** Always turn off the main switch when leaving the machine unattended.

Fuel Handling

- Be very careful when handling fuels. They are flammable and the vapors are explosive.
- Use only an approved container.
- Never remove the fuel cap or add fuel while the machine is on. Turn off the unit and allow the engine and exhaust components to cool before refueling.
- Do not smoke.
- Never refuel inside a room.
- Never store the tool and the fuel tray indoors where there is a naked flame, such as near a water heater.
- If fuel has spilled, do not attempt to start the machine, but rather move it away from the spill before starting to use it. Clean any spills.
- Replace and tighten the fuel tank cap after refueling.
- Follow the instructions in this manual for filling the tool with fuel.

Intended use

Your PRESSURE CLEANER can perform a myriad of tasks in the house and in the garden. It effectively cleans a wide variety of surfaces.

Your PRESSURE CLEANER is designed to operate from a cold water supply.

Your PRESSURE CLEANER has been designed for outdoor use only on materials such as stone, wood and plastics. Please check, before use, whether materials can be cleaned with your sprayer; the manufacturer cannot be held responsible for any damage resulting from improper use.




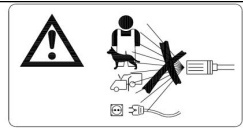





The main applications of this product are household cleaning tasks such as:

- Cars, motorcycles, bicycles;
- Patios, fences, garden walls, pathways, garages and facades of houses;
- To remove algae and mosses from roofs, brick walls and gutters;
- For cleaning of gardening tools and machinery, furniture and grills;
- For hygiene and maintenance of kennels, stables, etc. and their surroundings;

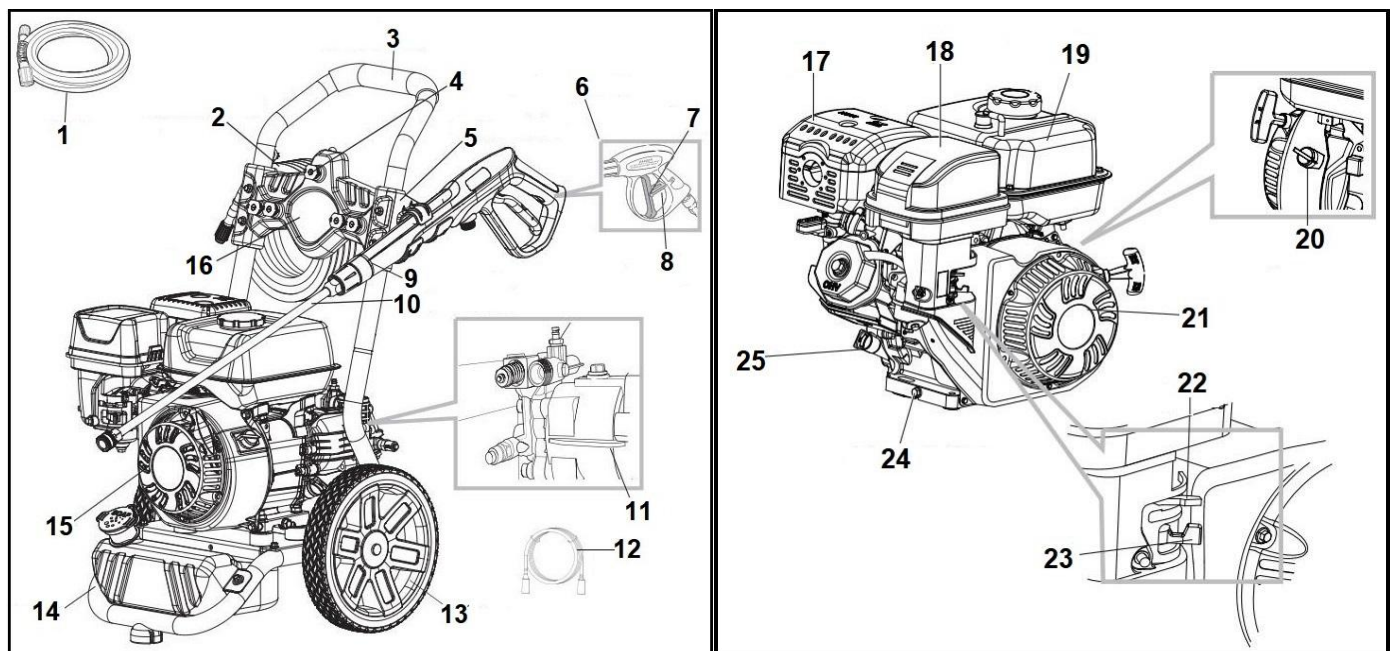
It is especially useful for cleaning muddy sidings.

The sprayer alone is capable of performing most of the garden cleaning tasks or on buildings. The detergent is useful for cleaning vehicles and other painted surfaces.

Symbols

	<p>Read the instruction manual.</p>
	<p>Warning symbol.</p>
	<p>Complies with applicable European standards and directives.</p>
	<p>WARNING! The high jet should not be directed to persons, animals, live devices or the device itself.</p>
	<p>This machine is not suitable for connection to a drinking water supply.</p>
	<p>Sound power level guaranteed.</p>
	<p>Add oil slowly. Do not overfill.</p>
	<p>Warning - hot surfaces</p>
	<p>Do not touch hot surfaces</p>

2. DESCRIPTION OF THE APPLIANCE

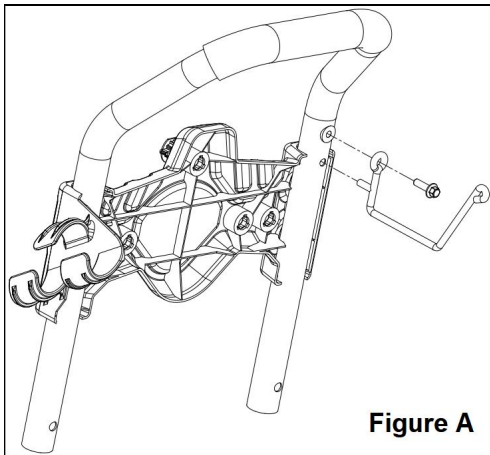


1.	Pressure hose	10.	Spray wand	18.	Air filter
2.	Hose hanger	11.	Pressure pump	19.	Fuel tank assy
3.	Handle grip	12.	Siphon hose	20.	Engine switch
4.	Nozzle	13.	Wheel kit	21.	Recoil starter assy
5.	Gun holder	14.	Frame	22.	Choke
6.	Spray gun	15.	Engine	23.	Fuel valve
7.	Trigger	16.	Panel	24.	Oil drain plug
8.	Trigger lock	17.	Muffler	25.	Dipstick
9.	Spray gun	18.	Air filter		

3. ASSEMBLY

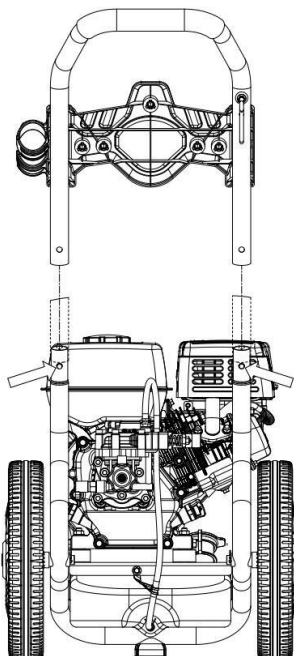
1. High pressure pipe hanger assembly.

Align the high-pressure pipe hanger with the installation hole on the handle and lock it with a M6x20 hexagonal flange bolt. See Figure A.

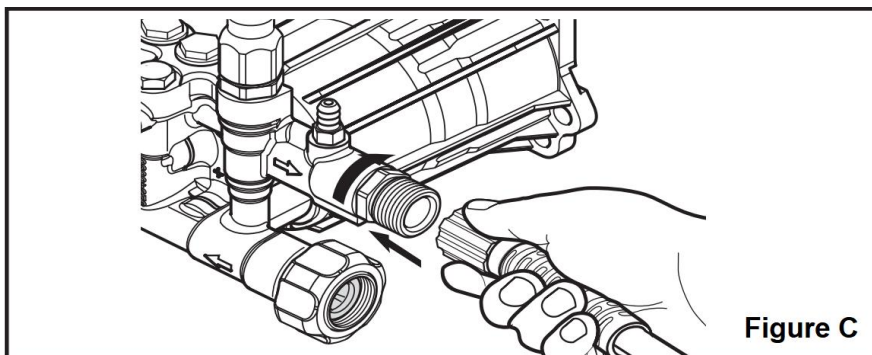


2. Handle bar assembly.

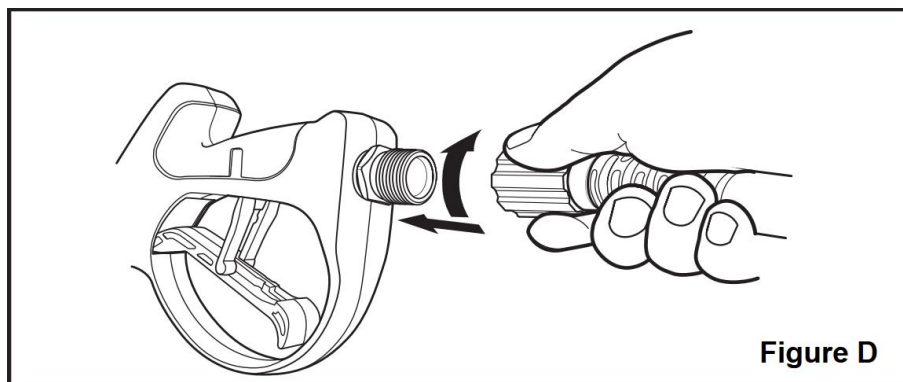
Insert the handle bar into the arrow position first, and press the clip, then insert the handle bar entirely. See Figure B.



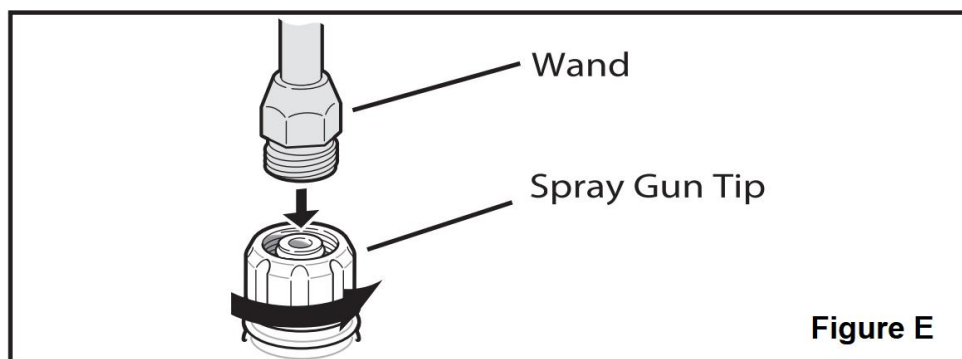
3. Connect the Pressure Hose to the Pump outlet fitting and tighten the nut firmly by hand. See Figure C.



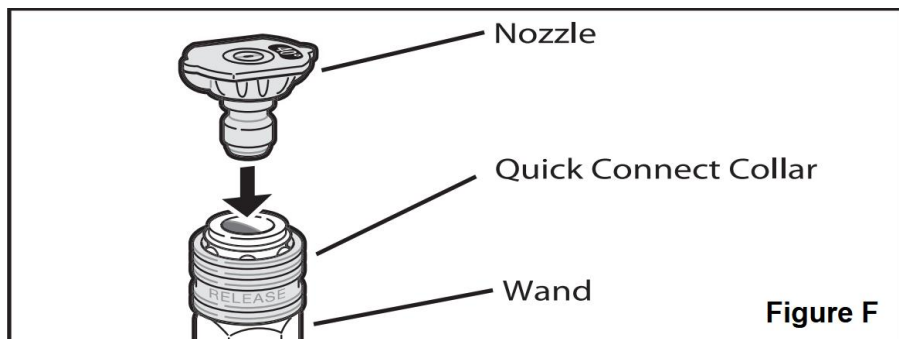
4. Connect the Pressure Hose to the handle of the Spray Gun and tighten the nut firmly by hand. See Figure D.



5. Remove the protective cap on the Wand inlet. Insert the Wand into the Spray Gun tip and tighten the nut firmly by hand. See Figure E.

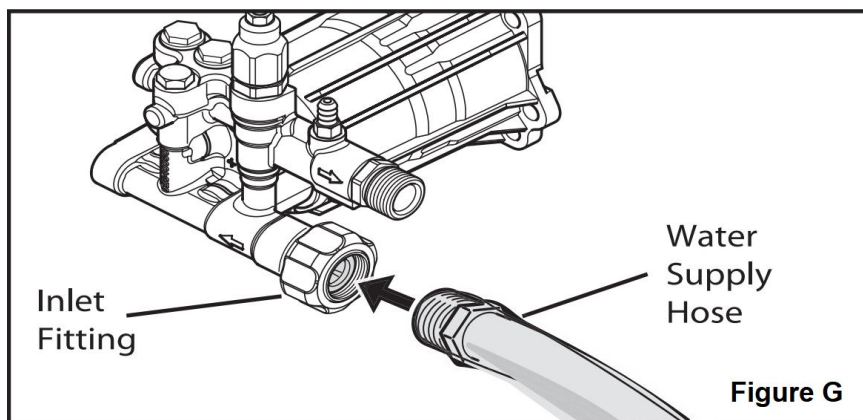


6. Attach the Nozzle to the Wand by pulling back the quick connect collar and pushing the Nozzle onto the end of the Wand. Make sure the quick connect collar locks the Nozzle in place. See Figure F.



7. Connect the water supply hose to the water inlet connection on the Pump and tighten the Inlet Fitting firmly by hand. See Figure G.

The water source must be able to provide a minimum of five gallons of clean, cold water per minute at 20PSI. Only use a 5/8" inner diameter (or larger) hose that is rated to meet this capacity.



GENERAL INFORMATION

Fuel	<ul style="list-style-type: none"> • Use fresh high quality unleaded gasoline(minimum 87 octane) • Add stabilizer (not supplied) to fuel tank and run engine for 5 minutes before storage
OIL	<ul style="list-style-type: none"> • Engine oil: Use only SAE 10W-30,0.6 Quart non-detergent oil (supplied).
Water	<ul style="list-style-type: none"> • Use only cold water. • Do not operate pressure washer with clogged or missing water filter screen. • Do not operate pressure washer without adequate water supply.
Pressure adjustment	<ul style="list-style-type: none"> • Pressure setting is pre-set at factory. • For lowering pressure, refer to Pressure Adjustment.
Pressure pump	<ul style="list-style-type: none"> • Squeeze spray gun trigger every 2 minutes while engine is running. • Do not allow water to freeze in pump.
By-Pass mode	<ul style="list-style-type: none"> • Never leave unit running for more than 2 minutes without squeeze spray gun trigger. • Doing so could damage pump and void warranty.
Thermal relief valve	<ul style="list-style-type: none"> • Pump is equipped with a thermal relief valve If water overheats, this valve opens releasing gush of water. Afterwards, the valve closes returning pump to normal operation.
Pressure hose	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Do not adjust or attempt maintenance without reading owner's manual. • Add stabilizer(not supplied) to fuel tank and let engine run for 5 minutes before storage. • Always turn on water before starting engine.
Soap/Chemicals	<ul style="list-style-type: none"> • Use only soaps and chemicals detergents designed for pressure washer use.
Nozzle	<ul style="list-style-type: none"> • Always keep nozzles unclogged.Use the nozzle needle to clean if clogged. • Use ONLY detergent nozzle(black)when using chemical and cleaning solvents.
Storage or winterizing	<ul style="list-style-type: none"> • Run clean water through chemical inlet. • Add stabilizer to any remaining fuel in fuel tank. • Do not allow water to freeze in pressure pump spray gun, spray wand or hoses.

4. 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 starting. If any problems are found do not use equipment until fixed properly.

1. Adding Engine Oil

NOTICE: Your Warranty is VOID if the engines 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.

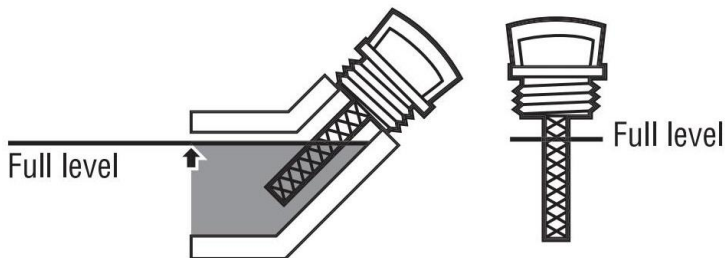
1.2 Make sure the engine is stopped and is level.

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 reservoir. **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 oil 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



WARNING: 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 gasoline 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 gasoline such as E85(85% ethanol/15% gasoline).

DO NOT mix oil with gasoline.

DO NOT modify engine to run on alternate fuels.

Turn Pressure Washer OFF and let it cool for at least two minutes 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 sources.

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 engine.

3. Lubricate O-Rings

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

NOTICE: ALWAYS apply a small amount of lubricant on o-rings prior to assembling the garden hose to the pump 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).

4. Starting The Engine



WARNING: Before Starting the Engine

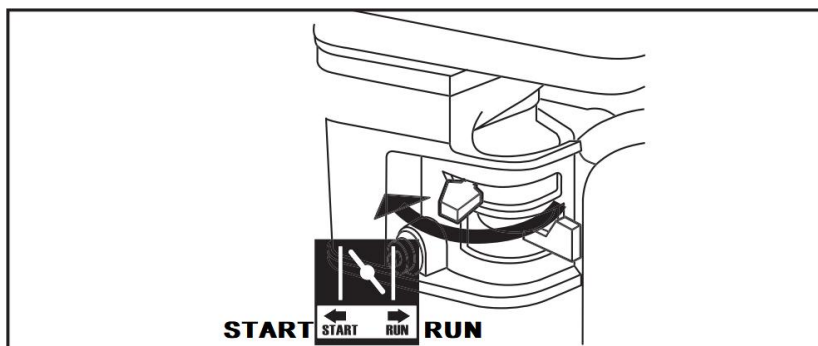
- Inspect the equipment and engine.
- Fill the engine with the proper amount and type of both stabilizer-treated unleaded gasoline and oil.

Turn on water supply move nozzle point wand in safe direction and hold down trigger until all air is released from the system at least 30 seconds.

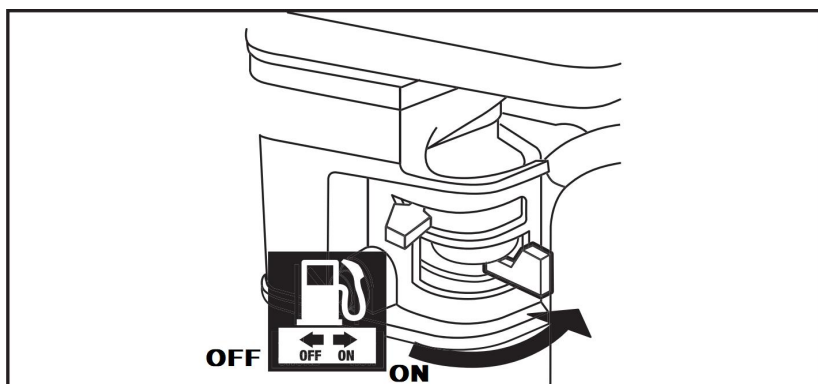
Then release the Trigger, lock it in the safety position and replace Nozzle before starting engine.

4.1 To start a cold engine move the Choke to the START position.

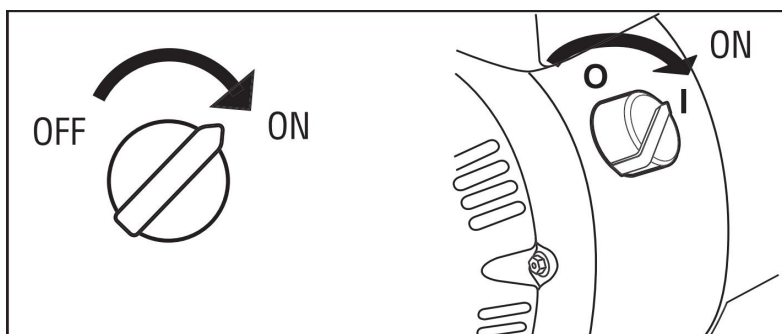
To restart a warm engine, leave the Choke in the RUN position.



4.2 Move the Fuel valve to the “ON” position.

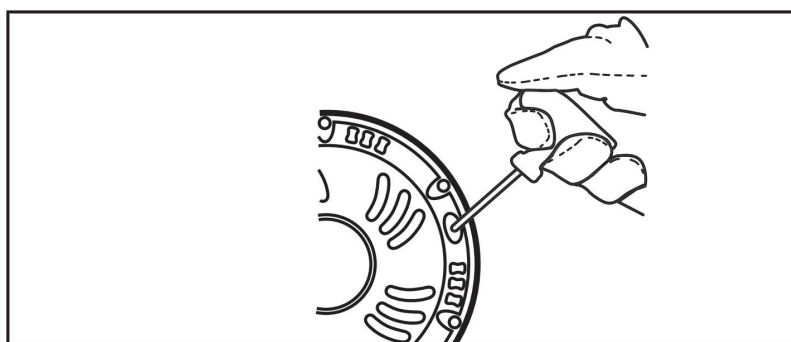


4.3 Turn the Engine switch on.



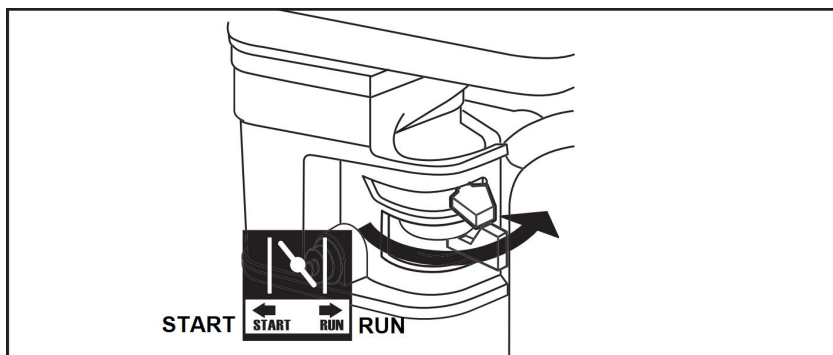
NOTICE: If engine does not start check engine oil level. Engine will not start with low or no engine oil.

4.4 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 Cable to retract fully and then pull it 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.

4.5 Allow the Engine to run for 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.

5. Using Detergent



Only use the Black Nozzle when spraying detergent.

Only use detergents specified for pressure washers.

5.1 If the Pressure Washer have a onboard Soap Tank:

5.1.1 Fill Soap Tank with detergent and close the Lid.

5.1.2 Change the nozzle in the wand to Black Nozzle.

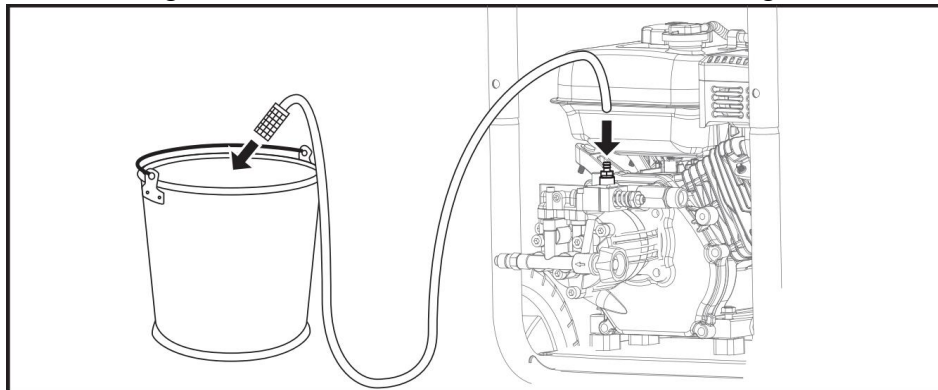
5.1.3 Start the engine.

5.2 If the Pressure Washer don't have a Soap Tank:

5.2.1 Connect the siphon tube with strainer to the brass barb on the high pressure hose connection area of the pump.

5.2.2 Submerge the strainer end of the siphon tube in the soap/detergent solution bottle or bucket.

5.2.3 Change the nozzle to Black Nozzle and start engine.



6. High Altitude Operation

At high altitudes over 3,000 feet, the engine carburetor and any other parts that control the fue-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 use at altitude higher than 3,000 feet. Refer to the altitude kit and operation instruction (provided)when needed.

7. 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.

8. Selecting the Right Nozzle

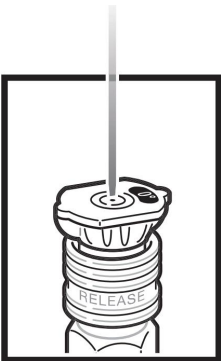
To prevent damage to your surface and to select an appropriate nozzle size for your application, always start with lowest pressure nozzle size(Green) and continue to the higher nozzle size until the best work result is achieved.

The Pressure Washer comes furnished 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 spray and the pressure out of the nozzle.

0° Nozzel - Red: This nozzle delivers a pinpoint stream of pressurized water and is extremely powerful. It covers only a small area of cleaning.

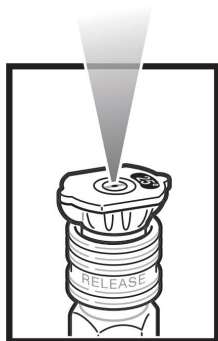
This nozzle should only be directed at surfaces that can withstand high pressure such as metal or concrete. Do not use this nozzle to clean wood.



15° Nozzle-orange: This nozzle delivers a 15 degree spray pattern for intense cleaning of areas. It should only be used on areas that can withstand pressure from this nozzle.



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 for intense cleaning of larger areas. It should only be used on areas that can withstand pressure from this nozzle.



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



9. Nozzles To Spray Wand



WARNING!

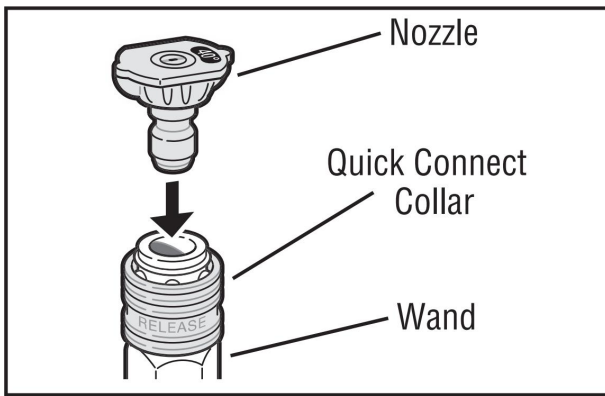
Never place hands in front of nozzle. Never grasp hose or fittings during Pressure Washer operation.

Never attempt to attach or remove spray wand or hose fittings while Pressure Washer system is pressurized.

Turn off Pressure Washer and lock the Gun Trigger before attempting to change pressure nozzles.

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

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



10. Using The Spray Gun



WARNING!

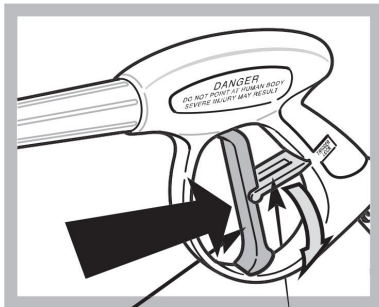
To prevent accidental discharge of high pressure washer, the trigger lock on the trigger should be engaged whenever the pressure washer is not in use.

To disengage the Trigger Lock, push the lock down and into its original position.

To Operate The Trigger:

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

10.2 Release the trigger to stop water flow.



TRIGGER

TRIGGER LOCK

11. 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.

11.1 Firmly grip spray gun with both hands.

11.2 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.

11.3 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.

11.4 Clean vertical and sloped surfaces from the top down.

11.5 When cleaning horizontal surfaces occasionally use the stream to clear the area of excess water.

- For most effective cleaning, keep spray nozzle from 8 to 24 inches away from 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.

12. Pressure Adjustment

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

Change pressure wand nozzle: Completely shut down Pressure Washer and stop gasoline engine.

Change spray nozzle for desired pressure(see "Selecting The Right Nozzle").

Restart engine.

13. Using Chemicals And Cleaning Solvents

NOTICE: Use only soaps and chemicals designed for use with Pressure Washer. DO NOT USE CHLORINE BLEACH. Chemicals, soaps and cleaning solvents will not siphon when a high pressure nozzle is used. Only use the Black (low pressure) Nozzle when spraying detergents. Fill Detergent Tank (NOT supplied) with prepared detergent solution and close the cap.

The Pressure Washer will draw one gallon of detergent for every seven gallons of water.

14. To Rinse

14.1 Replace the nozzle with an appropriate high pressure nozzle (see "Selecting The Right Nozzle"). Squeeze the trigger and wait for the detergent to clear.

14.2 Keep the spray gun a safe distance from the area you plan to spray.

14.3 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.

14.4 Start at the top of the area to be rinsed, working down with same overlapping strokes as you used for washing and applying detergent.

15. 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. Damages created by leaving soaps chemicals and cleaning solutions inside the pump can void the warranty.

16. Stopping the Engine and Pressure Washer

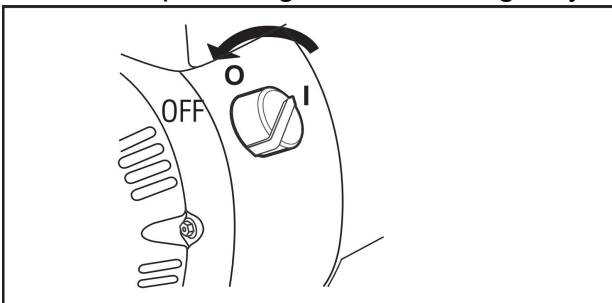


WARNING!

SOME ENGINE PARTS CAN BECOME EXTREMELY 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.

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



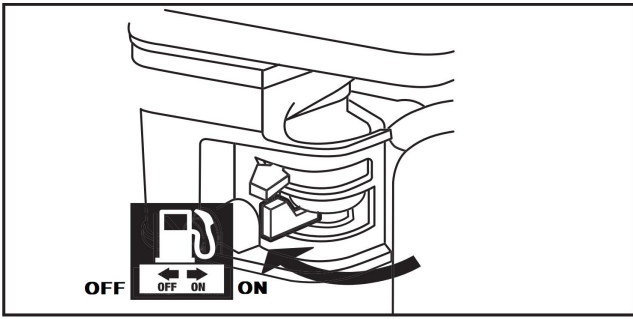
16.2 Under normal conditions use the following procedure:

16.2.1 Release the Trigger on the Spray Gun handle.

16.2.2 Turn the Engine Switch off.

16.2.3 Close the Fuel Valve.

16.2.4 Turn the water supply off.



16.3 Squeeze the Trigger to release excess pressure.

16.4 If pressure washer detergent has been used, run clean water through the system to eliminate detergent residue using the following procedure:

16.4.1 Turn off the Engine as detailed in step 2.

16.4.2 Fill the Detergent Tank (Not supplied)with clean water.

16.4.3 Remove the Nozzle and restart the Engine (Following directions in "Starting The Engine".)

16.4.4 Point Wand in safe direction and hold down to flush water through system until clean.

16.4.5 Turn off the Engine as detailed in step 2.


5. MAINTENANCE

WARNING!

Regular maintenance will improve performance and extend life of Pressure Washer.

Pressure Washer's warranty does not cover items that have been subjected to operator abuse or negligence. Only by maintaining Pressure Washer in accordance with instructions in this manual will the full value of the warranty be honored.

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.

Frequency	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 Arrester	Clean				√	
Valve Clearance	Check, 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 0.7mm-0.8mm.

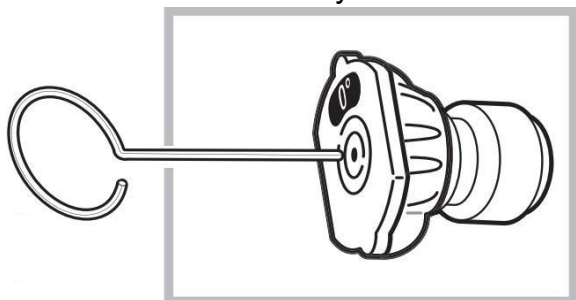
Pump Maintenance

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 the 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 nozzle and store for future use.

2.4 Reassemble pressure nozzle to spray wand.

3. Cleaning Water Inlet Screen Filter

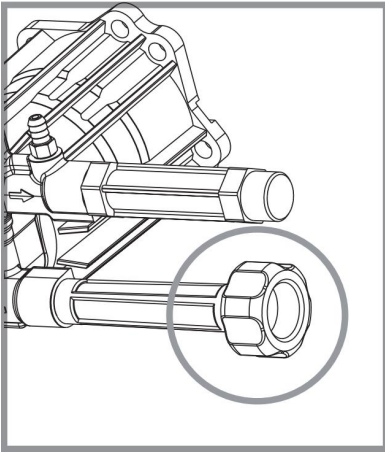
The water inlet screen filter should be checked periodically and cleaned if necessary.

3.1 Disconnect inlet water hose.

3.2 Remove filter by grasping end and pull straight back.

3.3 Clean screen filter by flushing both sides with water.

3.4 Insert screen filter back inside water inlet port.



⚠ WARNING!

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

Cleaning Pressure Washer

Daily or before use inspections should include areas around and underneath 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 Pressure Washer.

Ensure all linkages springs and other engine controls are kept clean. Inspect cooling air slots and openings on Pressure Washer.

Openings must be kept clean and unobstructed for peak performance of Pressure Washer.

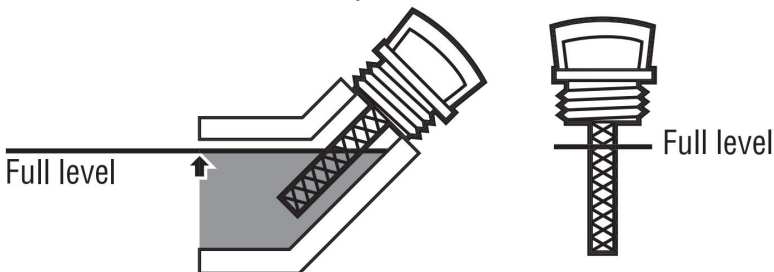
Engine components should be kept clean reducing risk of overheating and ignition of accumulated debris.

- 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 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

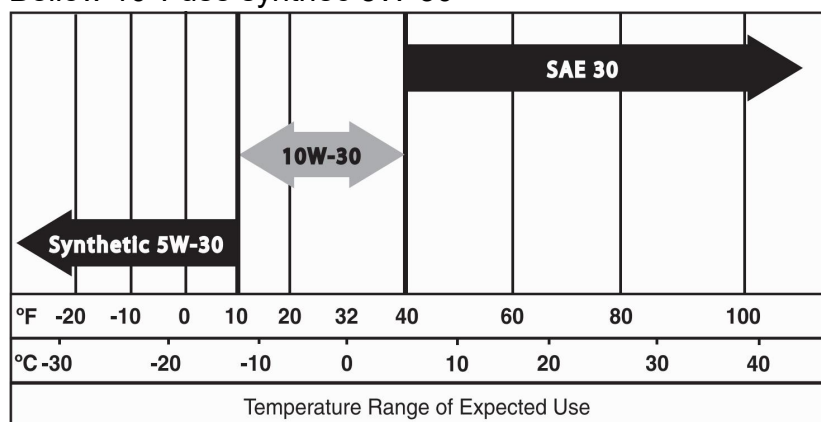
All oil should meet minimum American Petroleum Institute(API) Service Class SJ,SL or better. Use no special additives. Select the oil's Viscosity grade according to the expected operating temperature (also see chart).

The SAE Viscosity Grade Chart

Above 40°F use 10W-30

Between 40°F and 10°F use 10W-30

Bellow 10°F use synthec 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.

Spark Plug Maintenance

1. Disconnect spark plug cap from end of plug. Clean out debris from around 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	F6RTC
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, the spark plug can be damaged.

5. Install the new spark plug or the cleaned spark plug into the engine.

- Gasket-style:

Finger-tighten until the gasket contacts the cylinder head, then tighten about 1/2-2/3 turn more.

- Non-gasket-style:

Finger-tighten until the plug contacts the cylinder head, then tighten about 1/16 turn more.

NOTICE: Tighten the spark plug properly. If loose, the spark plug will cause the engine to overheat. If over tightened, 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 bellow.

2. Cleaning:

- For paper filters:

To prevent injury from dust and debris, wear ANSI-approved safety goggles, NISH-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.

1. 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 Engine to cool, then clean Engine with 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

Gasoline fuel can become stale when stored over 30 days which will cause acid and gun deposits to form in the fuel system or crucial carburetor parts. To keep fuel fresh, add fuel stabilizer tablets to the fuel tank. Draining gasoline is unnecessary if the fuel stabilizer is used according to the instructions that come with it. Run Pressure Washer engine for a minimum of two minutes, after stabilizer 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

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 1/2oz(15ml) of clean engine oil into cylinder through spark.

3.3 Replace spark plug, but leave spark plug cap disconnected.

3.4 Pull Starter Handle to distribute oil in cylinder. Stop after one or two revolutions when you feel the piston start the compression stroke (when you start to feel resistance).



WARNING!

Unintentional sparking can cause fire or electrical shock.

Failure to observe this warning can cause severe property damage, severe burns and even death.

Disconnect spark plug wire from spark plug and cover tip of spark plug wire with insulating tape and place wire where it cannot come in contact with spark plug or Pressure Washer frame.

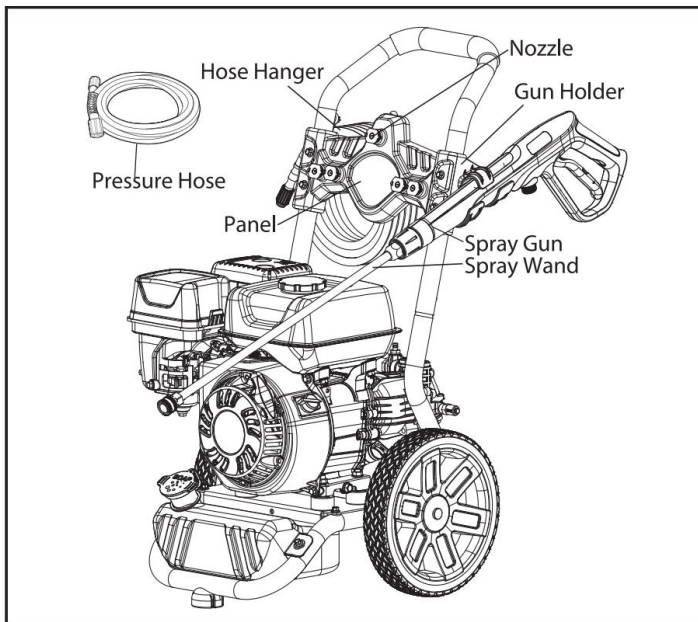
4. Storing Accessories

The Pressure Washer is equipped with places to store your accessories as shown.

4.1 Place Spray Gun into 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 six ounces of RV antifreeze to the Pump.

NOTICE: Use only RV antifreeze.

Other types of antifreeze are corrosive and can damage Pump.

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

5.5 Remove Pressure Hose from 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 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 Pressure Hose and water supply hose.

7.3 Turn on water supply remove nozzle, point wand in safe direction. and hold down trigger until all air is released from the system at least 30seconds. Then release the Trigger, lock it in the safety position and replace Nozzle before starting engine.

7.4 Discharge nozzle in safe direction run engine for 15-20minutes or the Warranty is VOID. Turn off engine.

7.5 Discharge nozzle in safe direction. and then disconnect hoses and drain water.

7.6 Connect a short length of garden hose with a male hose connector on one end to the Pumps water inlet connection.

7.7 Use a funnel to add approximately six ounces of RV antifreeze to the Pump.

NOTICE: Use only RV antifreeze.

Other types of antifreeze are corrosive and can damage 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 were 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 re-tighten.

8.3 Reconnect the spark plug wire.

6. TROUBLESHOOTING

Problem	Possible causes	Probable solutions
Engine will not start	FUEL RELATED: 1.No fuel in tank or fuel valve is in "OFF" position. 2. Low quality, stale, dirty or deteriorated gasoline. 3.Choke not in START position cold engine. 4. Carburetor not primed. 5. Dirty fuel passageways. 6. Carburetor needle stuck. Fuel can be smelled in the air. 7. Too much fuel in chamber. This can be caused by the carburetor needle sticking. 8. Intake valve stuck open or closed. 9. Clogged Fuel Filter.	FUEL RELATED: 1. Fill fuel tank with fresh 87+octane unleaded stabilizer-treated gasoline and turn fuel valve to "ON" position. Do not use gasoline with more than 10% ethanol (E15,E20,E85,etc.). 2. Drain fuel tank and carburetor; fill with fresh fuel. 3. Move Choke to START position. 4. Pull on Starter Handle to prime. 5. Clean out passageways using fuel additive. Heavy deposits may require further cleaning. 6. Gently tap side of carburetor float chamber with screwdriver handle. 7. Turn Choke to RUN position.Remove spark plug and pull the start handle several times to air out the chamber. Reinstall spark plug and set Choke to START position. 8.Replace Fuel Filter.
	IGNITION(SPARK)RELATED 1. Spark plug cap not connected securely. 2. Spark plug electrode wet or dirty. 3. Incorrect spark plug cap 4. Spark plug cap broken. 5. Incorrect spark timing or faulty ignition system.	IGNITION(SPARK) RELATED: 1. Connect spark plug cap properly. 2. Clean spark plug. 3. Correct spark plug cap. 4. Replace spark plug cap 5. Have qualified technician diagnose/repair ignition system.
	COMPRESSION RELATED: 1. Cylinder not lubricated. Problem after long storage periods. 2. Loose or broken spark plug. (Hissing noise will occur when trying to start.) 3. Loose cylinder head or damaged head gasket. (Hissing noise will occur when trying to start.) 4. Engine valves or tappets mis-adjusted or stuck.	COMPRESSION RELATED: 1. Pour tablespoon of oil into spark plug hole. Crank engine a few times and try to start again. 2. Tighten spark plug. If that does not work,replace spark plug. If problem persists, may have head gasket problem see #3. 3. Tighten head. If that does not remedy problem,replace head gasket. 4. Have qualified technician adjust/repair valves and tappets.
	ENGINE OIL RELATED: 1. Low engine oil. 2. Engine mounted on slope,triggering low oil shutdown.	ENGINE OIL RELATED: 1. Fill engine oil to proper level. Check engine oil before EVERY use. 2. Operate engine on level surface. Check engine oil level.
Engine "hunts" or falters	1.Carburetor is running too rich or too lean. 2.Clogged or dirty fuel filter.	1. Clean or replace fuel filter.

Engine lacks power	<ol style="list-style-type: none"> 1. Cylinder pressure is low. 2. Dirty air filter. 	<ol style="list-style-type: none"> 1. Clean or replace fuel filter.
Engine misfires	<ol style="list-style-type: none"> 1. Spark plug cap loose. 2. Incorrect or defective spark plug. 3. Defective spark plug cap. 4. Old or low quality gasoline. 5. Incorrect compression. 	<ol style="list-style-type: none"> 1. Check wire connections. 2. Re-gap or replace spark plug. 3. Replace spark plug cap. 4. Use only fresh 87+ octane stabilizer-treated unleaded gasoline. Do not use gasoline with more than 10% ethanol(E15,E20,E85,etc.). 5. Diagnose and repair compression. (See "Engine will not start: COMPRESSION RELATED section.)
Engine stops suddenly	<ol style="list-style-type: none"> 1. Fuel tank empty or full of impure or low quality gasoline. 2. Low oil shutdown. 3. Defective fuel tank cap creating vacuum,preventing proper fuel flow. 4. Faulty magneto. 5. Disconnected or improperly connected spark plug cap 	<ol style="list-style-type: none"> 1. Fill fuel tank with fresh 87+octane stabilizer-treated unleaded gasoline. Do not use gasoline with more than 10% ethanol (E15,E20,E85,etc.). 3. Fill engine oil to proper level.Check engine oil before EVERY use. 4. Test/replace fuel tank cap. 5. Have qualified technician service magneto. 5. Secure spark plug cap.
Engine stops when under heavy load	<ol style="list-style-type: none"> 1. Dirty air filter 2. Engine running cold. 	<ol style="list-style-type: none"> 1. Clean or replace element. 2. Allow engine to warm up prior to operating equipment.
Engine knocks	<ol style="list-style-type: none"> 1. Old or low quality gasoline. 2. Engine overloaded. 3. Incorrect spark timing, deposit buildup. worn engine, or other mechanical problems. 	<ol style="list-style-type: none"> 1. Fill fuel tank with fresh 87+octane stabilizer-treated unleaded gasoline. Do not use gasoline with more than 10% ethanol (E15,E20,E85,etc.). 2. Do not exceed equipment's load rating. 3. Have qualified technician diagnose and service engine.
Engine backfires	<ol style="list-style-type: none"> 1. Impure or low quality gasoline. 2. Engine too cold. 3. Intake valve stuck or overheated engine. 4. Incorrect timing. 	<ol style="list-style-type: none"> 1. Fill fuel tank with fresh 87+ octane stabilizer-treated unleaded gasoline. Do not use gasoline with more than 10% ethanol(E15,E20,E85,etc.). 2. Use cold weather fuel and oil additives to prevent backfiring. 3. Have qualified technician diagnose and service engine 4. Check engine timing.
No pressure or Low pressure	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. See "Selecting The Right Nozzle on Page 13. 2. Water supply must be 5 GPM @ 20 PSI. 3. Tighten hose fitting.Use thread sealant tape if necessary. 4. Clean Nozzle (See "Cleaning Nozzle" on Page 16). 5. Remove and clean filter. 6. Squeeze trigger to remove air. 7. Move choke to' RUN position.

Output pressure varies	<ol style="list-style-type: none"> 1. Not enough water supply. 2. Water inlet screen is clogged. 3. Nozzle is clogged. 4. Nozzle has mineral build up. 	<ol style="list-style-type: none"> 1. Check water supply hose for kinks, leaks, or blockage. Open faucet all the way. 2. Remove inlet screen and rinse out. 3. Remove Nozzle and clean. 4. Remove Nozzle and clean with vinegar.
Water or oil leaking at pump	<ol style="list-style-type: none"> 1. Loose connections. 2. Worn or broken O-rings. 3. Pump head or tubes damaged from freezing. 	<ol style="list-style-type: none"> 1. Tighten connections.
No intake of detergent	<ol style="list-style-type: none"> 1. Detergent hose not properly inserted into unit. 2. Tube cracked or split. 3. Wrong Nozzle. 4. Injector turned off. 5. Injection tube strainer clogged. 6. Nozzle blocked. 7. Dried detergent in injector. 	<ol style="list-style-type: none"> 1. Push firmly into injector. 2. Replace tube. 3. Switch to Black Nozzle. 4. Turn collar counterclockwise. 5. Clean strainer. 6. Clean Nozzle. 7. Dissolve by running warm water through the injection tube. Run clean water through injector until clear.
Water leaking at spray gun/wand connection	<ol style="list-style-type: none"> 1. Worn or broken O-ring. 2. Loose hose connection. 	<ol style="list-style-type: none"> 1. Tighten hose connection.

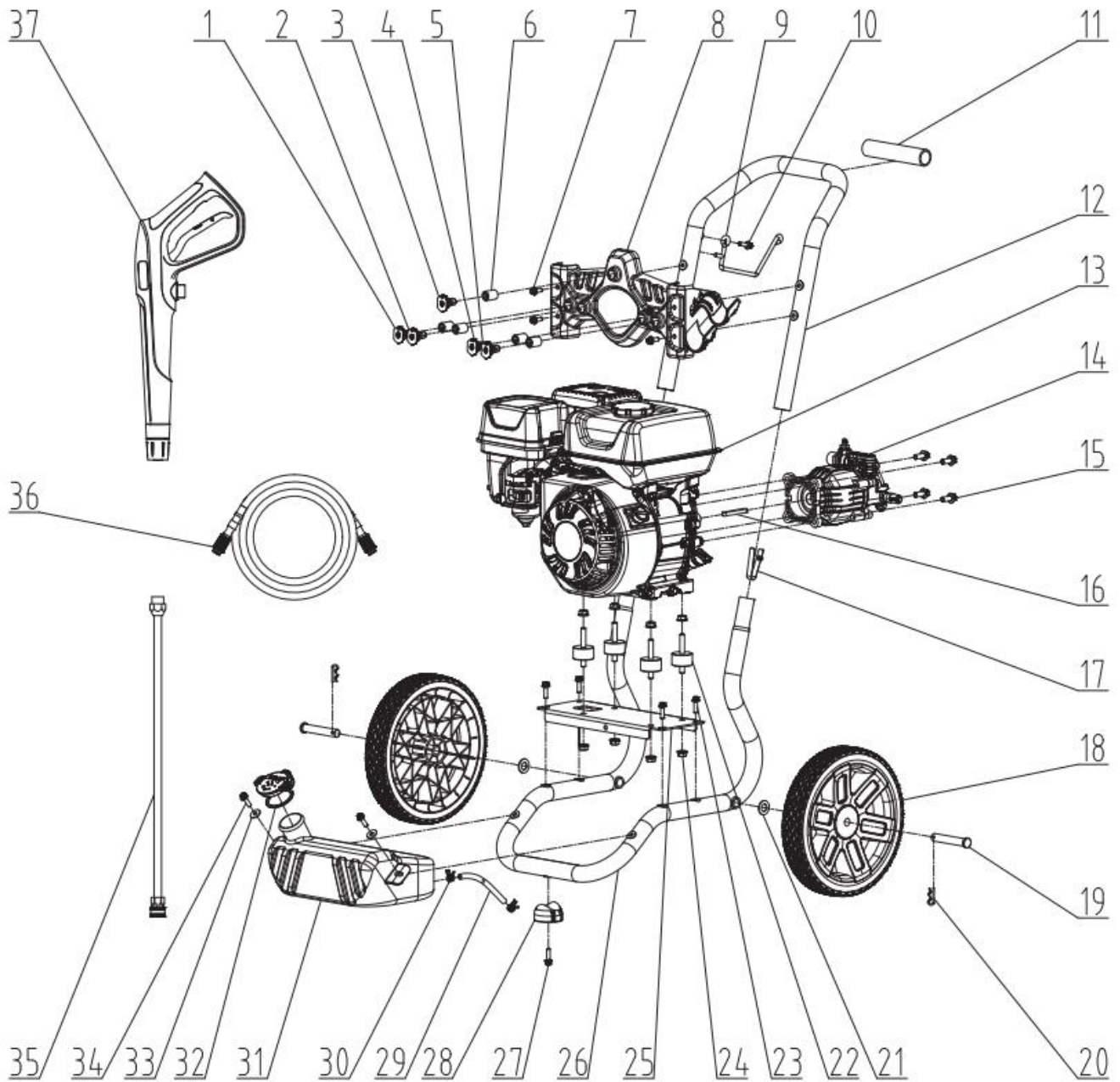
7. TECHNICAL SPECIFICATIONS

Model	HNHPT220-B
Engine displacement	209cc
Start type	Recoil start
Rated pressure	17.5MPa
Allowable pressure	22MPa
Rated flow	7.5L/min
Max. flow	9.5L/min
Max inlet pressure	3MPa
Number of nozzle	5
Hose diameter	12mm
Hose length	7.6m
Wheel diameter	305mm
Fuel capacity	3.3L
Weight	23kg
Sound pressure level	LpA: 93.7dB(A), K= 3 dB(A)

Sound power level	LwA: 107.7 dB(A) K= 3 dB(A)
Guaranteed Sound Power Level	111 dB(A)

8. PARTS LIST AND DIAGRAM

General assembly diagram



General parts list

PART	DESCRIPTION	QTY	PART	DESCRIPTION	QTY
1	Nozzle	1	20	Pin	2
2	Nozzle	1	21	Pad	2
3	Nozzle	1	22	Shock absorbing mount	4
4	Nozzle	1	23	Six corners bolts	4
5	Nozzle	1	24	Bolts	8
6	Holder	5	25	Engine fixed floor	1
7	Six corners bolts	4	26	Frame	1
8	Panel	1	27	Six corners bolts	1
9	High pressure hose hook	1	28	Shock absorbing mount	1
10	Six corners bolts	1	29	Detergent siphon hose	0.5
11	Hand rubber sleeve	1	30	Pipe clamp	2
12	Handle	1	31	Soap tank	1
13	Engine	1	32	Soap tank clamp	1
14	Pump	1	33	Pad	2
15	Bolts	4	34	Six corners bolts	2
16	Key	1	35	Wand	1
17	Clip	1	36	High pressure hose	1
18	Wheels	2	37	Gun	1
19	Axel	2			

9. DECLARATION OF CONFORMITY



BUILDER SAS

ZI, 32 rue Aristide Bergès – 31270 Cugnaux - France

Declares that the machinery designated below:

PETROL PRESSURE WASHER

Ref.: HNHPT220-B

Serial number: 20230808446-20230808613 E2307-025

Complies with the provisions of the Directive “machinery” 2006/42/EC and national laws transposing it:

Also complies with the following European directives:

EMC Directive 2014/30/EU

Emission directive (EU) 2016/1628

Directive on environmental noise emissions from equipment intended for use outside buildings
2000/14/EC

Sound power level	LwA: 107.7 dB(A) K= 3 dB(A)
Guaranteed Sound Power Level	111 dB(A)

Also complies with European standards, with national standards and the following technical provisions:

EN 60335-1:2012/A15:2021

EN60335-2-79:2012

EN ISO12100:2010

EN ISO14982:2009

Cugnaux, on 02/08/2023

Philippe MARIE / PDG

10. WARRANTY

HYUNDAI

WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



11. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- a) Empty the fuel tank if your product has one..
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



12. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information: Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.

HYUNDAI
POWER PRODUCTS



GENUINE PRODUCT OF
HYUNDAI CORPORATION

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