



Petrol-Powered Pressure Cleaner Washer - CX660 Gen V

User Manual

[Revision 1.0 October 2019]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.



The product is NOT supplied with engine oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate engine oil of the correct type to the engine before use. **Failure to add engine oil will void the product warranty.**

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines **OUTSIDE** only, and far away from windows, doors and vents.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety	General Electrical Safety	General Service Information
<ul style="list-style-type: none"> Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately. Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment. When wiring electrically powered equipment, follow all electrical and safety codes. Wherever possible, use a residual current device (RCD). High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal. 	<ul style="list-style-type: none"> Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet. Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord. Do NOT use equipment that has exposed wiring, damaged switches, covers or guards. Do NOT use electrical equipment in wet conditions or in damp locations. Do NOT use electrical cords to lift, move or carry equipment. Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards. 	<ul style="list-style-type: none"> The equipment must be serviced or repaired at authorised service centres by qualified personnel only. Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained. Do NOT attempt any maintenance or repair work not described in this manual. After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance. Do NOT adjust while the equipment is running. Perform service related activities in suitable conditions, such as a workshop. Replace worn, damaged or missing warning/safety labels immediately.

Pressure Cleaner Washer Safety

DANGER: CARBON MONOXIDE

Using a pressure washer indoors CAN KILL YOU IN MINUTES. Pressure washer exhaust contains carbon monoxide (CO). This is a poison gas you cannot see or smell. If you can smell the pressure washer exhaust, you are breathing CO. But even if you cannot smell the exhaust, you could be breathing CO.

NEVER use a pressure washer inside homes, garages, crawlspaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does **NOT** supply enough fresh air. ONLY use a pressure washer outside and far away from windows, doors, and vents. These openings can pull in pressure washer exhaust.

Even if you use a pressure washer correctly, CO may leak into the home. **ALWAYS** use a battery-powered or battery-backup CO alarm in the home. If you start to feel sick, dizzy, or weak after the pressure washer has been running, move to fresh air **RIGHT AWAY**. See a doctor. You may have carbon monoxide poisoning.

WARNING: The exhaust from this product contains chemicals known to cause cancer, birth defects, or other reproductive harm.

WARNING: This pressure washer may emit highly flammable and explosive petrol vapours, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if it isn't directly in contact with petrol.

- Do not operate near open flame.
- Do not smoke near pressure washer.
- Always operate on a firm, level surface.
- Always turn pressure washer off before refuelling. Allow pressure washer to cool for at least 2 minutes before removing fuel cap. Loosen cap slowly to relieve pressure in tank.
- Do not overfill fuel tank. Petrol may expand during operation. Do not fill to the top of the tank. Allow for expansion.
- Always check for spilled fuel before operating.
- Empty fuel tank before storing or transporting the pressure washer.
- Do not allow children or non-qualified persons to operate.

WARNING: This pressure washer produces heat when running. Temperatures near exhaust can exceed 1500 F (650 C).

Do not touch hot surfaces. Pay attention to warning labels on the pressure washer identifying hot parts of the machine.

Allow pressure washer to cool down after use before touching the engine or areas of the pressure washer that become hot during operation.

CAUTION: Misuse of this pressure washer can damage it and shorten its life. Only use the pressure washer for its intended purposes.

Turn the engine switch to "OFF" position when the engine is not running.

The high pressure stream of water can cut through skin and cause serious injury. Do not aim the stream of water at yourself or at any one else, including animals.

Hoses and tubes can become damaged from coming in to contact with a hot engine or muffler. Always double check the hose for perforations before starting up the machine and keep it clear of the engine and the muffler.

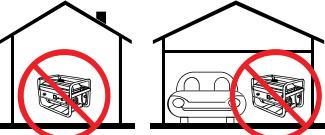
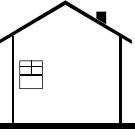
Kickback from operation can cause the user to fall. Always operate the pressure washer on a level and non- elevated surface to prevent the risk of falling.

Always wear safety goggles to protect from possible mishaps with the stream or detergents. Always be aware of the dangers associated with the detergents and chemicals that you are working with.

Attach all hoses before starting the engine.

SAVE THESE INSTRUCTIONS – This manual contains important instructions for the P1PE Pressure Washer that should be followed during installation and maintenance of the pressure washer.

Pressure washers vibrate in normal use. During and after the use of the pressure washer, inspect both the pressure washer as well as extension and power supply cords for damage resulting from vibration. Have damaged items repaired or replaced as necessary. Do not use plugs or cords that show signs of damage such as broken or cracked insulation.

DANGER	
Using an engine or wood/charcoal/gas fuelled appliance indoors CAN KILL YOU IN MINUTES. Engine exhaust and wood/charcoal/gas fumes contain carbon monoxide. This is a poison you cannot see or smell.	
 <p>NEVER use inside a building, home, garage, boat, caravan or tent EVEN IF doors and windows are open.</p>	 <p>Only use OUTSIDE and far away from windows, doors, and vents.</p>
Avoid other hazards - READ MANUAL BEFORE USE.	
GENERAL: <ul style="list-style-type: none"> • Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dusts. • Do not operate in a confined area where exhaust gases or wood/charcoal/gas fumes could reach dangerous concentrations. PRODUCTS FEATURING AN ENGINE <ul style="list-style-type: none"> • Follow all warnings in the section titled "GENERAL". • Explosion hazard – never smoke while refuelling. • Take care not to spill fuel. When refuelling the engine, ensure that the engine has been allowed to cool. Prevent spilling of fuel as this may also ignite with a hot engine. • Never refuel while engine is running. GENERATORS <ul style="list-style-type: none"> • Follow all warnings in the sections titled "GENERAL" and "PRODUCTS FEATURING AN ENGINE". • The output of this generator is potentially lethal. The generator should not be connected to a fixed electrical installation except by an appropriately licensed person. • Not weatherproof – protect your machine. This machine is not weatherproof and should not be exposed to direct sunlight, high ambient temperature, damp conditions or high humidity conditions. 	

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p>Flammable Material Hazard Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p>Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p>Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p>WARNING EXHAUST FUMES Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p>Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p>Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p>Explosive Material Hazard Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p>Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p>Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p>Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p>Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p>Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>	 <p>Running Hazard Do not run on or near the product as doing so may present a fall hazard.</p>	 <p>Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p>Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p>Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p>Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p>Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p>Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>

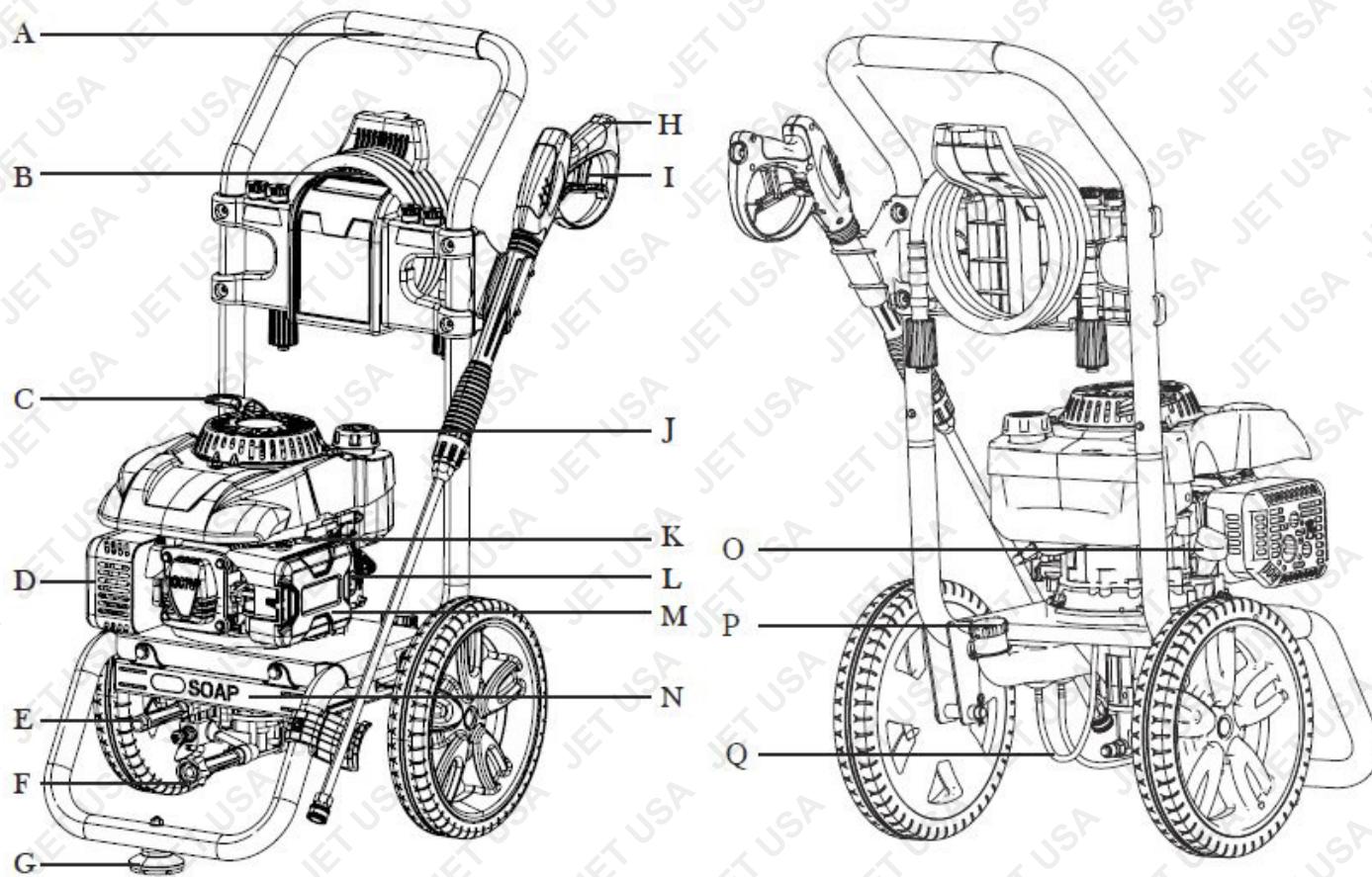
 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p>Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p>"Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p>Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p>	 <p>Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p>Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p>"Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p>Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p>Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p>Cable Hazard Ensure that load bearing cable is not kinked or knotted.</p>	 <p>Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p>Winch Hook Hazard Carry hook to load – do NOT throw or run.</p>	 <p>Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p>Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.</p>	

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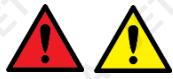
Parts Identification

Use the illustrations below to become familiar the locations and functions of the various components and controls of this pressure washer.



No.	Name	No.	Name
A	Handle	J	Fuel filler cap
B	25ft. high-pressure hose	K	Choke lever
C	Recoil starter handle	L	Engine ON/OFF switch
D	Exhaust	M	Air filter
E	High-pressure hose outlet	N	Soap tank
F	Water inlet	O	Oil filler cap / Dipstick
G	Foot	P	Soap fill
H	Spray gun	Q	Soap drain tube
I	Locking trigger		

Assembly



Do not attempt to assemble or operate this pressure washer until you have read and understood this entire manual. If you have any problems assembling or operating this unit, please contact an authorised dealer or service centre.

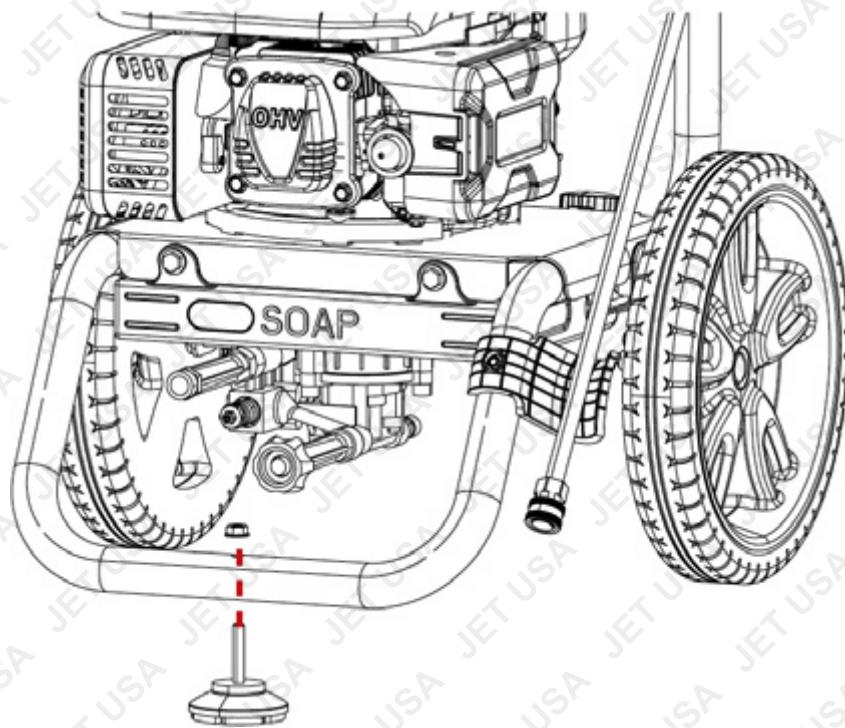
Do not operate this pressure washer if any of the parts are damaged or missing until the part is replaced. Using this product with damaged or missing parts can cause damage to the machine or result in serious injury or death.

Open the packaging and take out all loose parts from the box. Make sure all the components are accounted for before discarding the packaging. If any part is missing or broken, please contact an authorised dealer or service centre.

Attaching the Foot Assembly

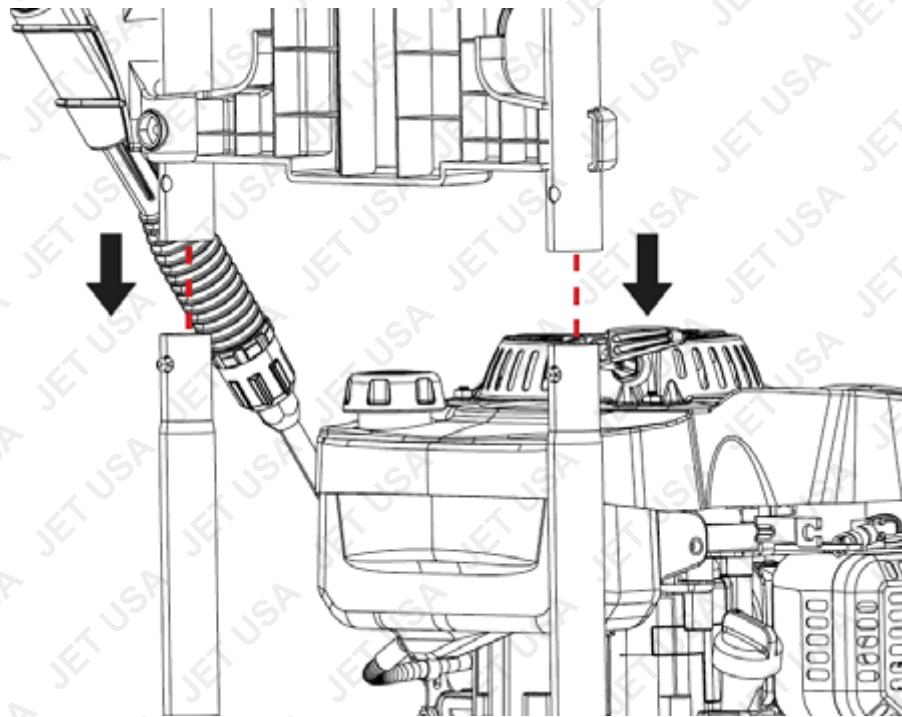
PARTS NEEDED: 1 foot, 1 M8 lock nuts

1. Raise or tilt pressure washer so you can line up the foot with the hole located at the centre of the frame.
2. Attach foot by inserting the bolt from the bottom up and install the acorn nut. Tighten until there is a slight crush on the frame tube. Do not over tighten.



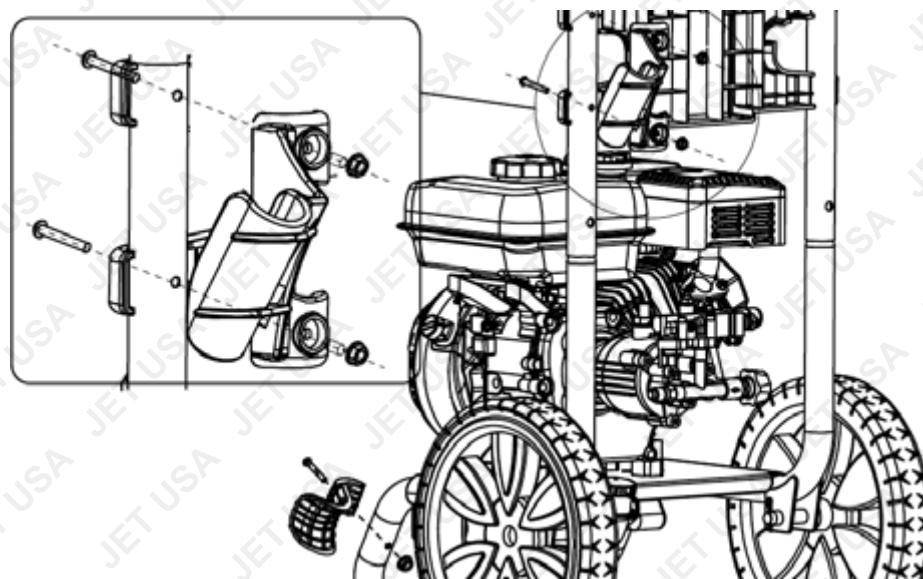
Installing the Handle

Install upper frame (handle) on to the lower frame by sliding the handle over the two upright tubes on the lower frame and pressing down firmly until the handle is seated and the two locking pins snap in place.



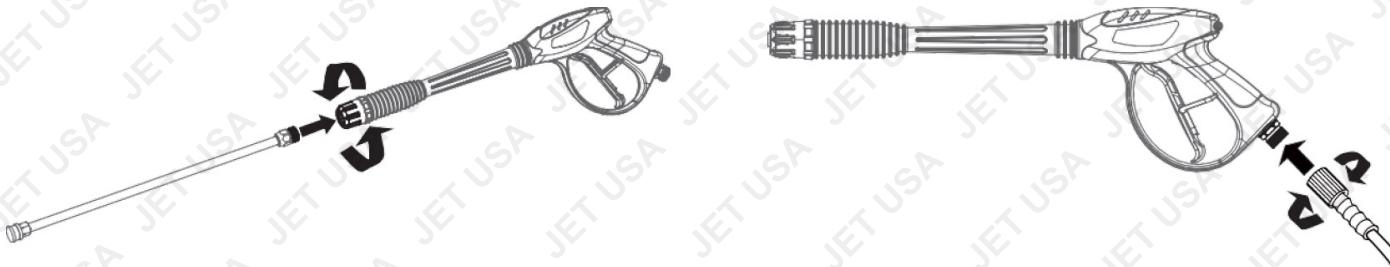
Attaching the Upper and Lower Gun Hooks

1. Align the upper gun hook with the holes. Attach using the included nuts and bolts.
2. Attach the lower gun hook. Make sure that the gun hook is straight and correctly aligned before tightening. Tighten until the nut is snug. Do not over tighten.



Attaching the Spray Gun

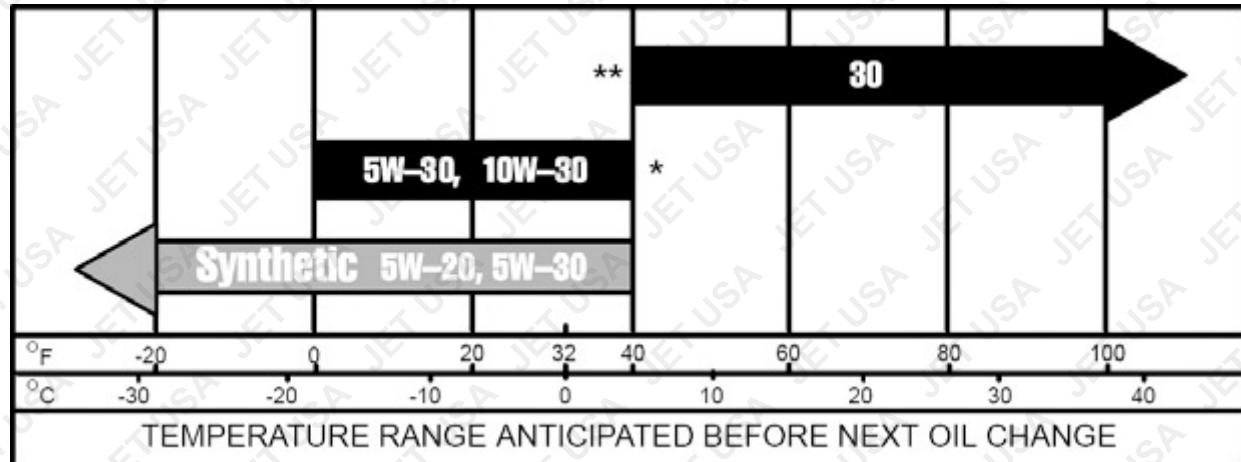
1. Screw the spray wand and the trigger handle together until they are secure.
2. Insert the inlet coupler of the spray hose into the threaded fitting on the high-pressure spray gun and thread the black nut on by turning clockwise until it is hand tight.



Adding Engine Oil

The pressure washer is shipped without oil. User must add the proper amount of oil before operating the pressure washer for the first time. The oil capacity of the engine crankcase is 500ml. For general use (above 40° F), we recommend 30W, 4-stroke engine oil.

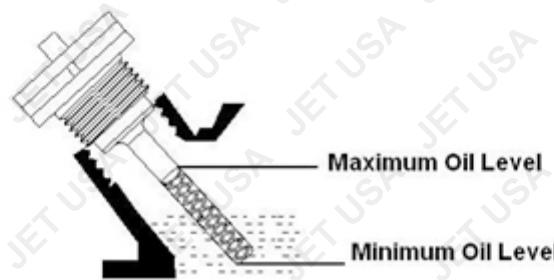
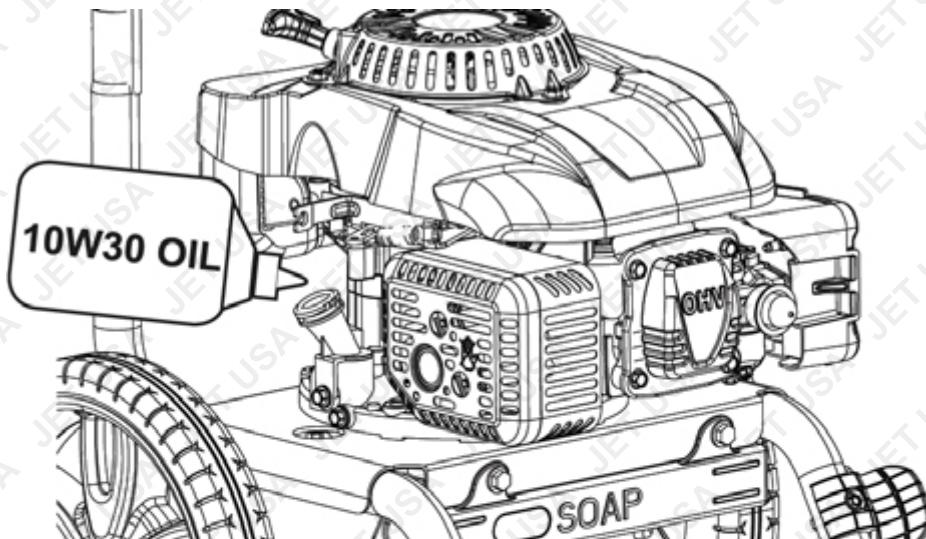
Engine Oil Recommendations: Use a semi-synthetic SAE 15W 40 engine oil.



To add oil, follow these steps:

1. Make sure that the pressure washer is on a level surface. Do not tilt the pressure washer to fill. Oil to flow into engine areas and damage the machine. Keep the pressure washer level!
2. Remove the dipstick from the engine.
3. To check the oil level: wipe the dipstick with a clean rag. Insert the dipstick into the oil fill opening without screwing it in. Remove the dipstick to check the oil mark.
4. Add oil (not included) slowly until the oil mark reaches to the top of the dipstick. Do not over fill the crankcase.

Check for oil leaks and clean any spilled oil. Tighten dipstick firmly.



Adding Petrol



This pressure washer may emit highly flammable and explosive petrol vapours, which can cause severe burns or even death if ignited. A nearby open flame can lead to explosion even if not directly in contact with petrol.

Use fresh (within 30 days from purchase), unleaded petrol with a minimum of 87 octane rating. Do not mix oil with petrol.

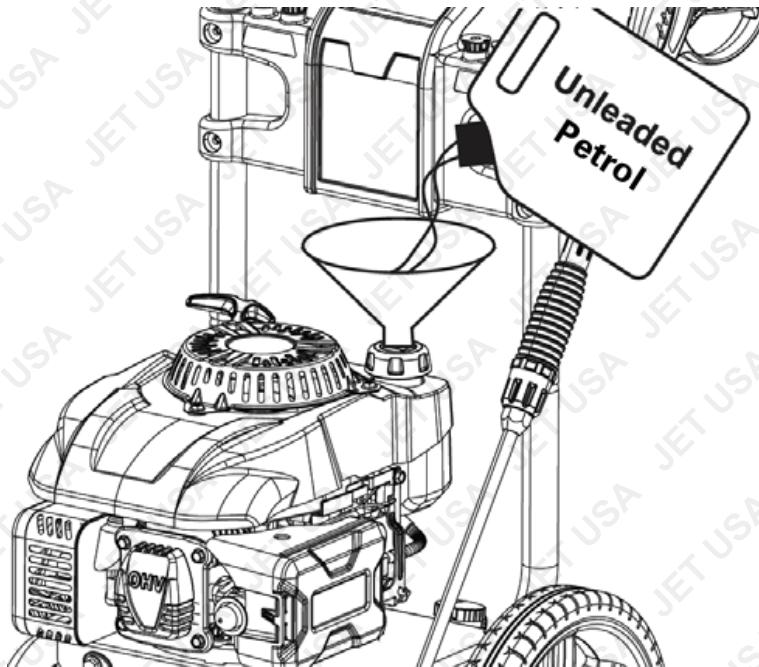
To add petrol, follow these steps:

1. Make sure the pressure washer is on a level surface.
2. Unscrew fuel cap and set aside. NOTE: The fuel cap may be tight and hard to unscrew.
3. Slowly add unleaded petrol to the fuel tank. Be careful not to overfill. The capacity of the fuel tank is 1.2L. NOTE: Do not fill the fuel tank to the very top. Petrol will expand and spill over during use even with the fuel cap in place.
4. Reinstall fuel cap and wipe clean any spilled petrol with a dry cloth.



IMPORTANT: • Never use an oil/petrol mixture. • Only use unleaded petrol. • Never use old petrol. • Avoid getting dirt or water into the fuel tank. • Petrol can age in the tank and make starting difficult.

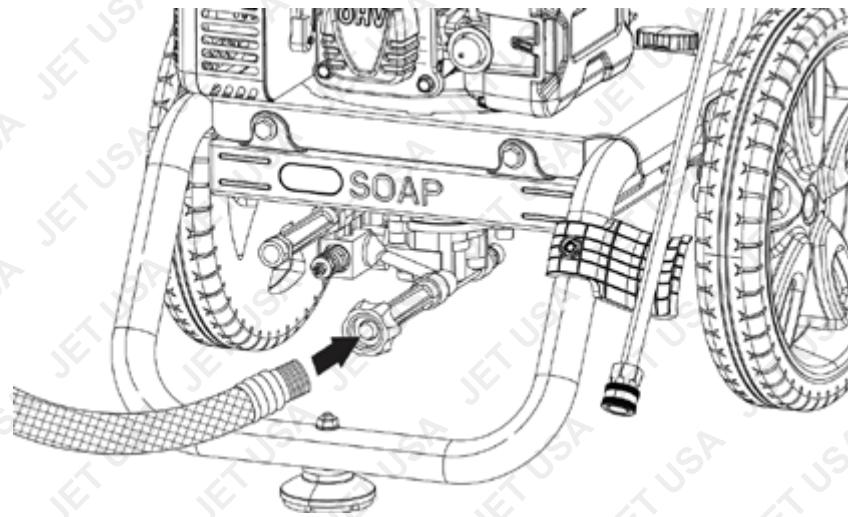
Never store pressure washer for extended periods of time with fuel in the tank.



NOTE: After completing the above preparation, the pressure washer is ready to be started.

Connecting the Garden Hose to the Pressure Washer

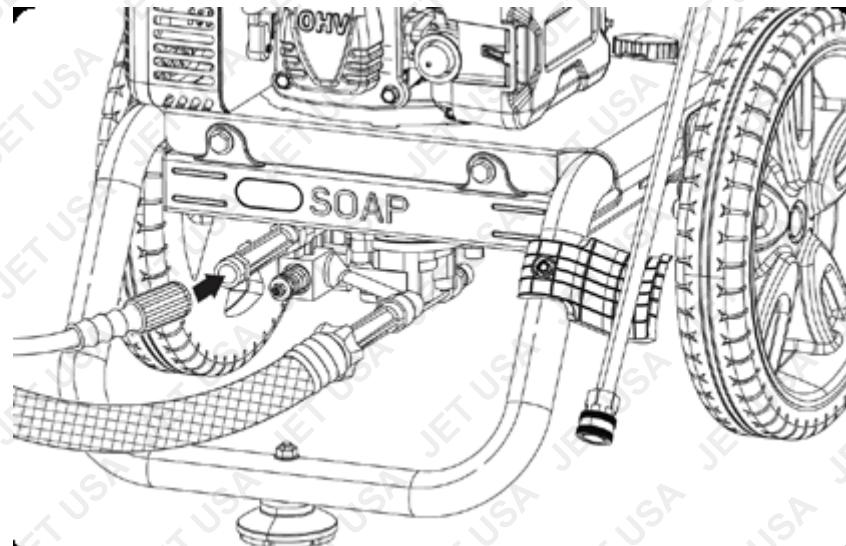
1. Run water through the hose for a few seconds to flush any debris from the hose.
2. Inspect the inlet screen and remove any debris.
3. Connect hose to water inlet and tighten by hand. There must be a minimum of 10 feet of unrestricted hose between pressure washer and faucet or shut off valve.



Connecting the High Pressure Hose to the Pump

1. Attach the end of the high-pressure hose to the high pressure outlet on pump.
2. Follow the same procedure with opposite end to attach high pressure hose to spray wand.
3. Turn on the water.
4. Purge the system's pump of air by releasing the safety and squeezing the trigger of the spray gun.

Petrol-Powered Pressure Cleaner Washer - CX660 Gen V



Operation



Before starting the pressure washer, ensure that you have read and performed the steps in the [Assembly](#) section of this manual.

DANGER: CARBON MONOXIDE.

Using a pressure washer indoors **CAN KILL YOU IN MINUTES.**

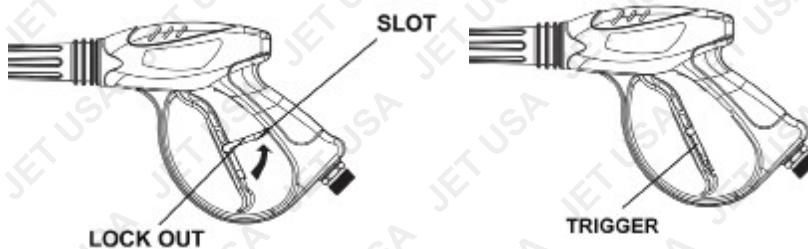
Pressure washer exhaust contains carbon monoxide (CO). This is a poison gas you cannot see or smell. If you can smell the pressure washer exhaust, you are breathing CO. Even if you cannot smell the exhaust, you may be breathing CO.

NEVER use a pressure washer inside homes, garages, crawlspaces, or other partly enclosed areas. Deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors does NOT supply enough fresh air.

ONLY use a pressure washer outside and far away from windows, doors, and vents.

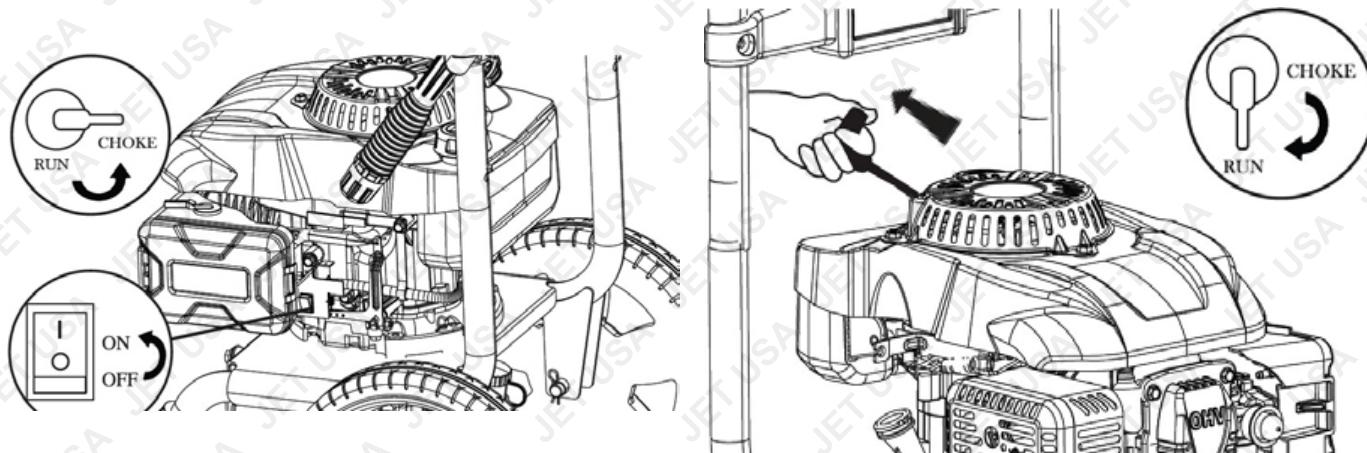
Using the Spray Gun

Flip the lock tab behind the trigger up or down until it clicks to apply or remove the safety. Pull back on the trigger to begin operating pressure washer. To stop water flow, release trigger.



Starting the Pressure Washer

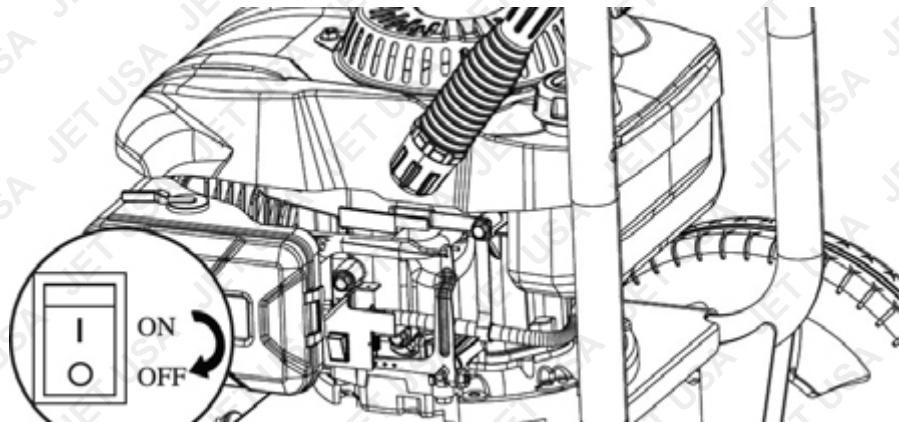
1. Place pressure washer on a level surface. Turn on the water.
2. Purge the system's pump of air by releasing the safety and squeezing the trigger of the spray gun. Attach wand/lance to spray gun.
3. Slide the choke lever to the "Choke" position. Turn the engine OFF/ON switch to the "ON" position.
4. Holding the machine with your hand, pull the recoil handle (starter cord) slowly until resistance is felt, then pull rapidly.
5. Squeeze the gun trigger and release the pressure after every failed attempt to start the pressure washer in order to reduce back pressure.
6. Let the engine run for several seconds. Then gradually slide the choke lever to the RUN position as the engine warms up until the choke is fully slid to the RUN position.



⚠️ Pulling the pull cord of the recoil starter rapidly can pull your arm towards the engine faster than you can let go which could result in injury. To avoid recoil, pull starter cord slowly until resistance is felt, then pull rapidly.

Stopping the Pressure Washer

1. Turn the ON/OFF switch to the OFF position.
2. Turn off water and squeeze the trigger handle to release all water pressure.



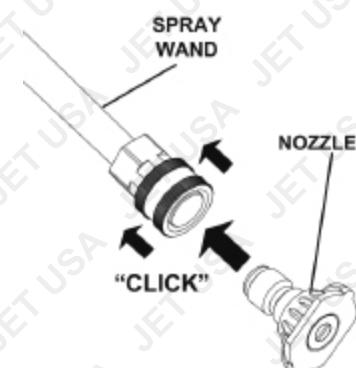
Using the Spray Nozzle

1. To connect or disconnect spray tip, pull back on the quick-connect collar. Insert or remove spray tip then release the collar.
2. When spray tip is connected, pull on the spray tip to make sure it is secured.
3. For applying pressure washer safe detergent, use the black soap nozzle.

For general cleaning, use the 40° spray tip. This option is for light rinsing and cleaning on cement walkways and vehicles.

For standard cleaning and blasting, use the 25° spray tip. This option is for removing dirt and moss on wood and concrete.

For tough cleaning jobs, use the 0° spray tip. This option can be used for reaching second story surfaces, or for the removal of paint, rust, oil stains, tar, gum, and other stubborn substances.



Applying Detergent

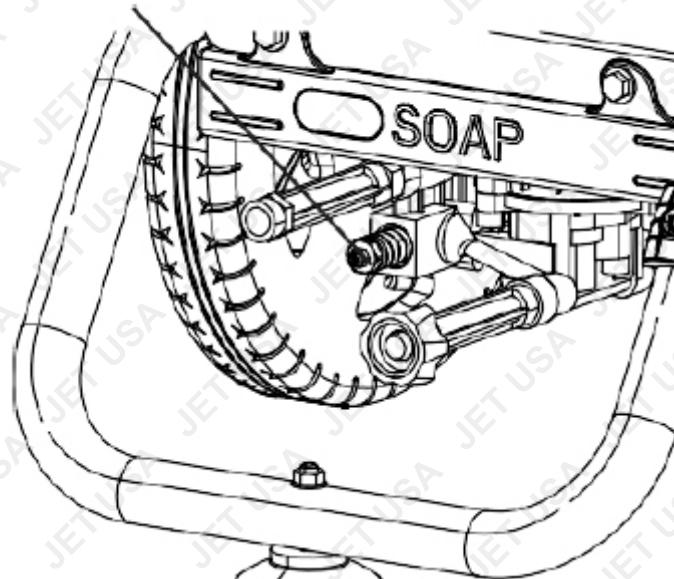
1. Only use the black soap nozzle for detergent.
2. Rinse surfaces with cool water before applying cleaner.
3. Prepare detergent as required. For best results follow detergent directions as supplied from manufacturer. Remove cap from the detergent container and fill. The soap tank capacity is 1.1 litres.
4. Spray detergent on surface. For best results use long, even, and overlapping strokes. Allow detergent to set for about 3 minutes before rinsing, but do not allow the detergent to dry on the surface or it may cause streaking or damage. Use good judgment.
5. To clean equipment after use, flush water through the spray nozzle for 1-2 minutes then shut off engine. Soak nozzle in a bucket of clean water to remove detergent. To empty out the soap from the pressure washer, disconnect the hose found underneath the pressure washer and let the remaining soap drain out.

Pressure Washer Release Valve

If pressure within the tank exceeds the recommended PSI, excess water will begin to spray out of the pressure release valve located next to the water inlet. This is perfectly normal and acts as a corrective measure to ensure that the right amount of pressure is being used.

However, if water seems to always be leaking, it's time for your pressure release valve to be replaced. Please call our customer service phone line to order parts and learn about the replacement process.

Pressure Release Valve



Maintenance



Never perform maintenance operations with the pressure washer still running.

Proper routine maintenance of the pressure washer will help prolong the life of the machine. Please perform maintenance checks and operations according to the maintenance schedule as shown below.

Maintenance Schedule

Recommended Maintenance Schedule		Each 8 hours or daily	First 8 hours	Every 25 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Every year	As necessary
Engine oil	Check level	✓						
	Replace		✓	✓*	✓*			✓
Air filter	Check			✓		✓		
	Clean					✓		
Spark plug	Check / clean					✓		
	Change						✓	✓
Fuel tank	Check level	✓						
	Clean						✓	

*clean/change more frequently under dusty conditions or heavy load.

Pre-Operation Steps

Before starting the engine, perform the following pre-operation steps:

1. Check the level of the engine oil and the fuel tank.
2. Make sure the air filter is clean.
3. Remove any debris that has collected on the pressure washer.
4. Check high pressure hose for damage.
5. Briefly run garden hose to flush out any debris or insects.
6. Inspect the work area for hazards.
7. Clean any debris that has collected around or behind the muffler, air filter and controls.
8. Use a damp cloth to wipe exterior surfaces. If dirt is caked on, use a soft bristle brush.

After Each Use

Follow these procedures after each use:

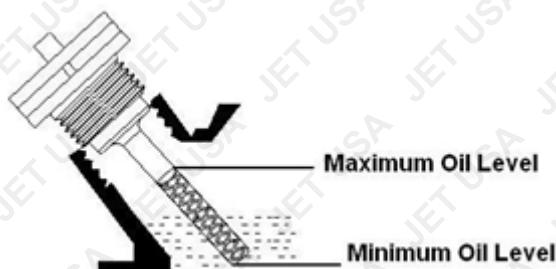
1. Shut off engine and turn off water supply. Release water pressure by pointing spray gun in a safe direction and squeezing the trigger.

2. Disconnect high pressure hose, spray gun, and nozzle. Drain water from items and use a rag to wipe down the outside of the hose and spray gun.
3. Empty the water from the pump by pulling the recoil starter 6 times.
4. Store unit in a clean and dry area after it has had a chance to cool down.
5. Use of a pressure washer pump conditioner is recommended. Follow the instructions provided by the manufacturer of the pump conditioner.

Checking the Oil

Check the oil level of the pressure washer according to the Recommended [Maintenance Schedule](#). The pressure washer should be checked before each use for proper oil level. This is a critical step for proper engine starting. To check the oil level:

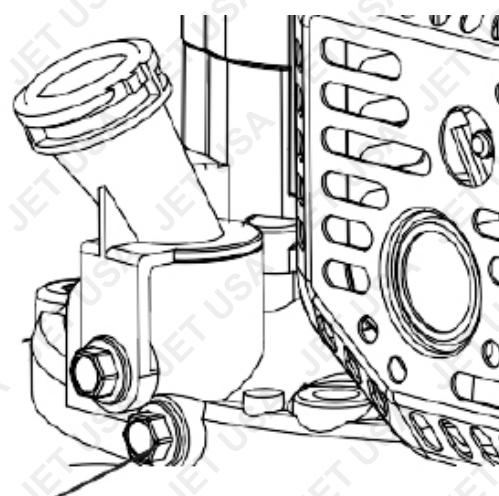
1. Make sure the pressure washer is on a level surface.
2. Clean around oil fill. Remove dipstick and wipe the dipstick with a clean rag. Insert the dipstick into the oil fill opening without screwing in. Remove the dipstick to check the oil mark. Add oil if the oil mark covers less than one half of the dipstick.
3. Slowly add more oil and repeat step 2 until the oil mark reaches to the top of dipstick. Do not over fill the crankcase. Reinstall oil dip- stick.



Changing the Oil

Change the oil according to the Recommended [Maintenance Schedule](#). Change the oil when the outside temperature is warm to allow for complete drainage. Change oil more often if operating under heavy load or high ambient temperatures. It is also necessary to drain the oil from the crankcase if it has become contaminated with water or dirt. Add oil when the oil level is low. For proper type and weight of oil refer to the [Adding Engine Oil](#) section. To change oil:

1. Shut off engine. Clean the area around the oil fill cap/dipstick to keep out debris then remove oil fill cap/dipstick.
2. Place an oil pan on the ground to catch oil. Remove oil drain plug to empty out the oil from the crankcase.
3. Once oil is completely drained, install the oil drain plug. Refill the engine with new oil as instructed in the manual under [Adding Engine Oil](#) and [Checking the Oil](#).



Oil Drain Plug

Air Filter Maintenance

Routine maintenance of the air filter helps maintain proper airflow to the carburettor. Occasionally check that the air filter is free of excessive dirt. Refer to Recommended [Maintenance Schedule](#).

1. Open the air filter cover.
2. Remove the air filter element from the casing.
3. Check and clean the air filter element. Replace with a new one if the element is damaged. Good element can be washed in soapy water, dried and reused. There is no need to add oil to the element.
4. Wipe off excessive oil from the air filter case. Small amount of oil in the element is normal and necessary for the engine to work properly.
5. Reinstall the air filter element and cover.



Running the engine with dirty, damaged or missing air filter element will cause the engine to wear out prematurely.

Draining the Fuel Tank

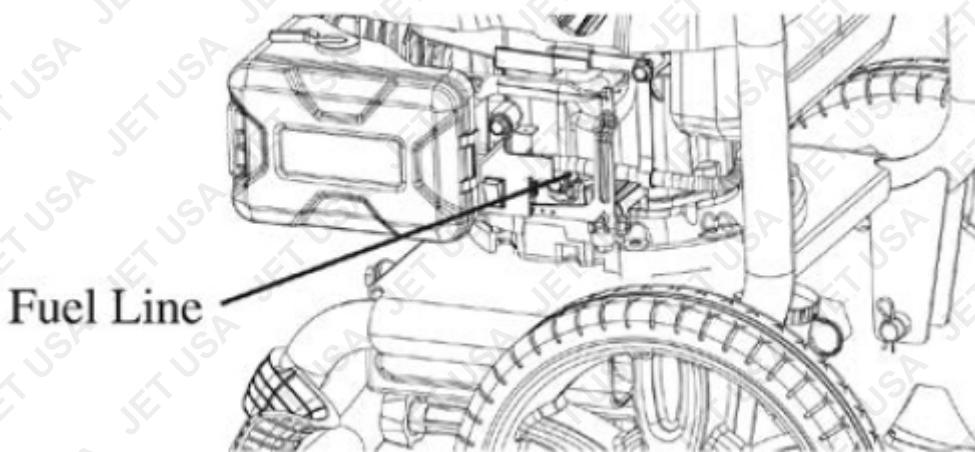
Clean the fuel tank each year or before storing the pressure washer for extended periods of time. To drain the fuel tank and carburettor:

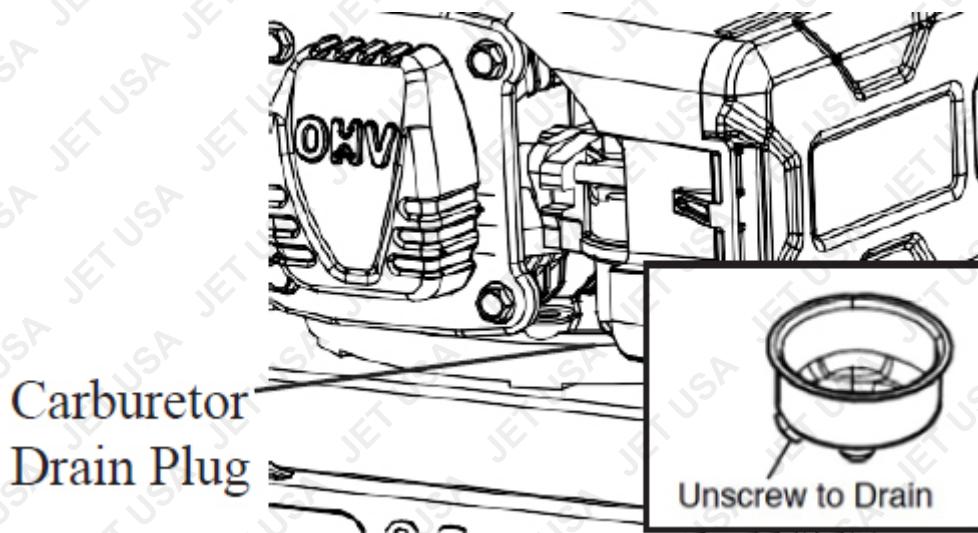
1. Prepare a container to collect the drained fuel.
2. Clamp the fuel line near the carburettor. The fuel will flow out as soon as the fuel line is unplugged, so be sure to clamp it. Remove the fuel line from the carburettor and bring it to the back of the pressure washer to drain out the fuel.

CAUTION: Fuel will leak out during removal.

3. Unscrew the carburettor plug to drain the carburettor. Be sure to drain the carburettor so the machine can function properly for the next use.
4. Re-attach the fuel line to the exposed end of carburettor.

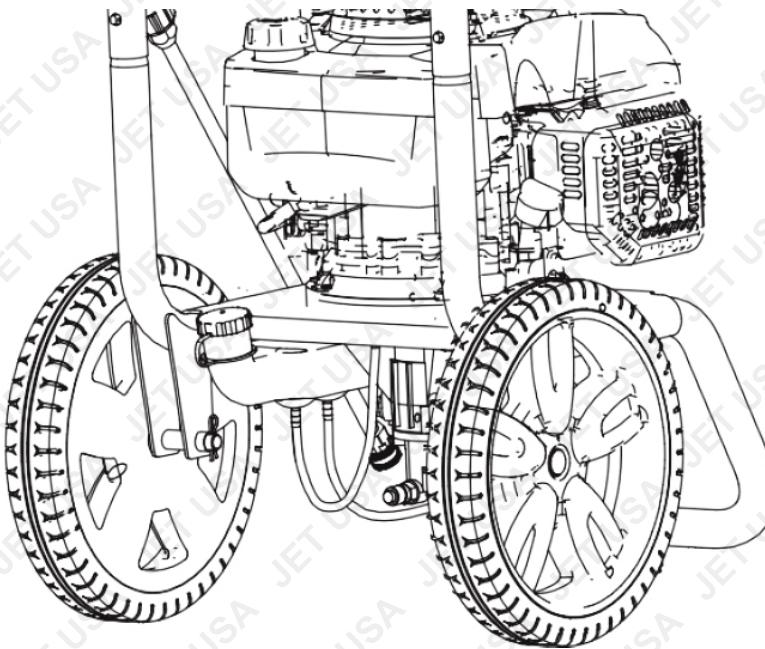
CAUTION: Do not dispose of the fuel in general waste. Make sure to collect it and take the fuel to your local recycling centre. Do not store fuel for more than 3 months.





Draining the Soap

To drain the soap, unplug the hose. Use a container to hold the draining soap.



Spark Plug Maintenance

The spark plug is important for proper engine operation. A good spark plug should be intact, free of deposits, and properly gapped. Refer to Recommended [Maintenance Schedule](#). To inspect the spark plug:

1. Remove spark plug boot. Be careful not to tear insulation or wiring.
2. Unscrew the spark plug from the engine using the spark plug wrench provided. There is limited space for the wrench to turn. Use both rows of holes in the spark plug wrench to gain leverage to loosen the plug.
3. Visually inspect the spark plug for cracks or excessive electrode wear. Replace with a new spark plug.
4. Measure the plug gap with a wire gauge. The gap should be 0.7 – 0.8mm (0.028 – 0.031in).
5. If re-using the spark plug, use a wire brush to remove any dirt from around the spark plug base then re-gap the spark plug.

6. Screw the spark plug back into the spark plug hole using the spark plug wrench. Do not over-tighten spark plug. Recommended tightening of spark plug is $\frac{1}{2}$ to $\frac{3}{4}$ of a turn after the spark plug gasket contacts the spark plug hole. Reinstall the spark plug boot.

Checking the Detergent Siphoning Tube

1. Check the detergent siphoning tube for clogs, leaks, or tears.
2. Ensure that the tube fits tightly in to the pump fitting.
3. Replace siphoning tubes if damaged.

Checking the High Pressure Hose

1. Inspect hose for cuts, bulges, or leaks which can develop from kinking or wear. If damage is found, immediately replace hose.
2. Inspect couplings for damage. Immediately replace hose if damage is found.



Never repair a high pressure hose or use unit if the hose is damaged. If the hose is damaged, replace with identical part.

Checking the Spray Gun

1. Ensure that the spray gun is connected securely.
2. Inspect the spray gun safety and make sure the spray gun trigger springs back upon release.

Checking the Spray Nozzle

If a pulsing sensation is felt while squeezing the trigger, the spray nozzle may be dirty or clogged and should be cleaned immediately. To clean the nozzle:

1. Shut off the engine and turn off the water.
2. Remove the nozzle from the spray wand, making sure that the nozzle is pointing away from you and in a safe direction.
3. Use the nozzle cleaner or a small paper clip to dislodge any foreign materials which are clogging or restricting the spray tip. Flush debris out of the nozzle by back flushing with a garden hose for 30-60seconds.
4. Reconnect the nozzle to the spray wand.
5. Turn the water supply back on and start engine.



Storage and Transportation



Never place any type of storage cover on the pressure washer while it is still hot.

If the pressure washer is being stored for short period of time (30 to 60 days), add stabilised fuel to the fuel tank until full. NOTE: Filling the tank reduces the amount of air in the tank and helps reduce deterioration of fuel.

Run the engine for 2 – 3 minutes allowing stabilized fuel mixture to circulate through the carburettor.

Storing the Pressure Washer for Extended Periods

1. Drain the fuel tank (see [Draining the Fuel Tank](#)).
2. Change the oil.
3. Do not obstruct any ventilation openings.
4. Keep the pressure washer in a cool dry area.

Transporting the Pressure Washer

1. Tighten the fuel cap. Drain the fuel tank if possible (see [Draining the Fuel Tank](#) section).
2. Always keep the pressure washer upright. Do not lay it down sideways.

Troubleshooting

Problem	Cause	Solution
Engine will not start	Engine switch is set to "OFF"	Set engine switch to "ON".
	Choke lever is set to "Run"	Turn choke lever to "Start"
	Engine is out of fuel	Add petrol
	Engine is filled with contaminated or old petrol	Change the petrol in the fuel tank
	Spark plug is dirty	Clean spark plug
	Spark plug is broken	Replace with a new spark plug
Water pressure is weak	Water supply is restricted	Inspect garden hose for leaks. Make sure you are using a large enough garden hose (min. 3/4 inch diameter)
	Water not turned on to full power	Turn on water source all the way
	Not using high pressure nozzle	Change nozzle
Detergent and spray do not mix	Detergent hose is not submerged or has disconnected	Make sure hose is connected and submerged in the detergent
	Black soap nozzle is needed	Use the black soap nozzle
Pump fails to produce pressure or pressure is inconsistent	Water supply is restricted	Inspect garden hose for leaks. Make sure you are using a large enough garden hose (min. 3/4 inch diameter)
	Water not turned on full power	Open water source all the way
	Nozzle is clogged	Clean nozzle
	Spray gun leaks	Check spray gun connection or replace spray gun
	Air trapped in line	Squeeze trigger handle to remove air
	Inlet hose screen is clogged	Clean inlet
	Water supply is over 100°F	Use cool water supply
	Pump is faulty	Contact service department

Specifications

Max Pressure	4800PSI
Continual Rated Pressure	3100PSI
Displacement	212cc Air Cooled 4-Stroke
Orientation	Vertical
Starting Method	Recoil
Choke	Automatic
Tank Volume	1.2L
Pump Type	Axial cam
Rated Flow	9.5L/Min
Max. Water Temperature	50°C
High Pressure Hose length	10m
Detergent Tank	3.6L
Wheels	12" Flat Free



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

