



OWNER'S MANUAL & OPERATION INSTRUCTION



PRESSURE WASHER

GAS POWERED

Visit Our Website at: <http://www.a-ipower.com>

Email Our Technical Support at: support@a-ipower.com

FOR TECHNICAL QUESTIONS, PLEASE CALL 1-855-888-3598

SAVE THIS MANUAL

This manual contains important information regarding safety, operation, maintenance and storage of this product. Before use, read carefully and understand all cautions, warnings, instructions and product labels. Failure to do so could result in serious personal injury and/or property damage.

MADE IN CHINA

A-iPower Corp.
Fontana, CA 92337 USA
www.a-ipower.com

SAFETY INSTRUCTIONS AND WARNINGS

 WARNING	 ADVERTENCIA
This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov	Este producto puede exponerlo a productos químicos como el plomo, que el estado de California sabe que causan cáncer. Para mas información revisar página www.P65Warnings.ca.gov

Rev. 8_5_2019

 Read this manual carefully before operating this pressure washer. This manual should stay with this pressure washer if it is sold.

INTRODUCTION

This Operating Manual has been designed to instruct you on the correct operation of your A-IPOWER product. Your satisfaction with this product and its safe operation is our ultimate concern. Therefore please take the time to read the entire manual, especially the Safety Precautions. They will help you to avoid potential hazards that may exist when working with this product.

FOR TECHNICAL QUESTIONS, PLEASE CALL 1-855-888-3598

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NOTICE We are always working to improve our products. Therefore, final product may vary from images shown. A-iPower reserves the right to change features, specifications without notice for further improvements of products.

FOR TECHNICAL QUESTIONS, PLEASE CALL 1-855-888-3598

SAFETY

Equipment Description



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

This pressure washer operates at 2,700 PSI and a flow rate of 2.3 gallons per minute. This high quality residential system features 8" wheels, axial cam pump with stainless steel pistons, automatic cool down system, quick connect spray tips, heavy duty 25' hose, and more.

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

Safety Symbols and Meanings



Operator's Manual



Toxic Fumes



Electrical Shock



Slippery Surface



Fall



Fluid Injection



Fire



Explosion



Kickback



Projectile



Moving Parts



Flying Objects



Chemical Burn



Hot Surface

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

⚠ DANGER indicates a hazard which, if not avoided, will result in death or serious injury.

⚠ WARNING indicates a hazard which, if not avoided, could result in death or serious injury.

⚠ CAUTION indicates a hazard which, if not avoided, could result in minor or moderate injury.

NOTICE address practices not related to personal injury.

Operation Precautions

⚠ WARNING POISONOUS GAS HAZARD. Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You CANNOT smell it, see it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas. Some chemicals or detergents could be harmful if inhaled or ingested, resulting in death, serious injury, nausea, fainting or poisoning.

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

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

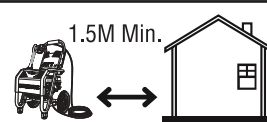
- Use a respirator or mask whenever there is a chance that vapors may be inhaled when using chemicals.
- Read all instructions with mask so you are certain the mask will provide the necessary protection against inhaling harmful vapors when using chemicals.

⚠ DANGER

Using an engine indoors **WILL KILL YOU IN MINUTES**. Exhaust fumes contains carbon monoxide, a poisonous gas you cannot see or smell.



NEVER use in the home or in partly enclosed areas such as garages.



ONLY use outdoors and far from open windows, doors, and vents.

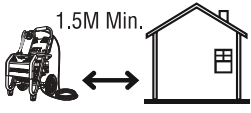
Avoid other engine hazards.
READ MANUAL BEFORE USE

SAFETY

SAFETY PRECAUTIONS

⚠ DANGER

Using an engine indoors **WILL KILL YOU IN MINUTES**. Exhaust fumes contains carbon monoxide, a poisonous gas you cannot see or smell.

 NEVER use in the home or in partly enclosed areas such as garages.	 ONLY use outdoors and far from open windows, doors, and vents.
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Avoid other engine hazards.
READ MANUAL BEFORE USE

⚠ WARNING

POISONOUS GAS HAZARD.



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

- Operate this product **ONLY** outside far away from windows, doors and vents to reduce the risk of carbon monoxide gas from accumulating and potentially being drawn towards occupied spaces.
- Install battery-operated carbon monoxide alarms or plug-in carbon monoxide alarms with battery back-up according to the manufacturer's instructions. Smoke alarms cannot detect carbon monoxide gas.
- **DO NOT** run this product inside homes, garages, basements, crawlspaces, sheds, or other partially-enclosed spaces even if using fans or opening doors and windows for ventilation. Carbon monoxide can quickly build up in these spaces and can linger for hours, even after this product has shut off.
- **ALWAYS** place this product downwind and point the engine exhaust away from occupied spaces. If you start to feel sick, dizzy, or weak while using this product, shut it off and get to fresh air **RIGHT AWAY**. See a doctor. You may have carbon monoxide poisoning.

⚠ WARNING

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

⚠ WARNING

Certain components in this product and related accessories contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

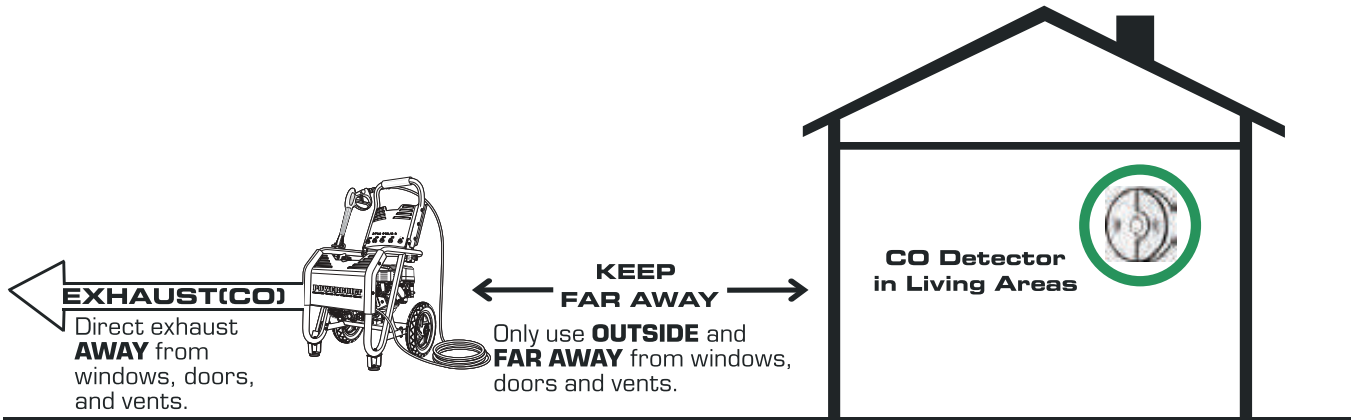
- If you start to feel sick, dizzy or weak while using the portable generator, you may have carbon monoxide poisoning. Get out side to fresh air immediately and call 911 for emergency medical attention. Very high levels of CO can rapidly cause victims to lose consciousness before they can rescue themselves. **DO NOT** attempt to shut off the generator before moving to fresh air. Entering an enclosed space where a generator is or has been running may put you at greater risk of CO poisoning.

SAFETY

CORRECT USAGE WARNING

Example location to reduce risk of carbon monoxide poisoning

- ONLY use outside and downwind, far away from windows, doors and vents.
- Direct exhaust away from occupied spaces.



INCORRECT USAGE WARNING

Do not operate in any of the following locations:

Near any door, window or vent

Garage

Basement

Crawl Space

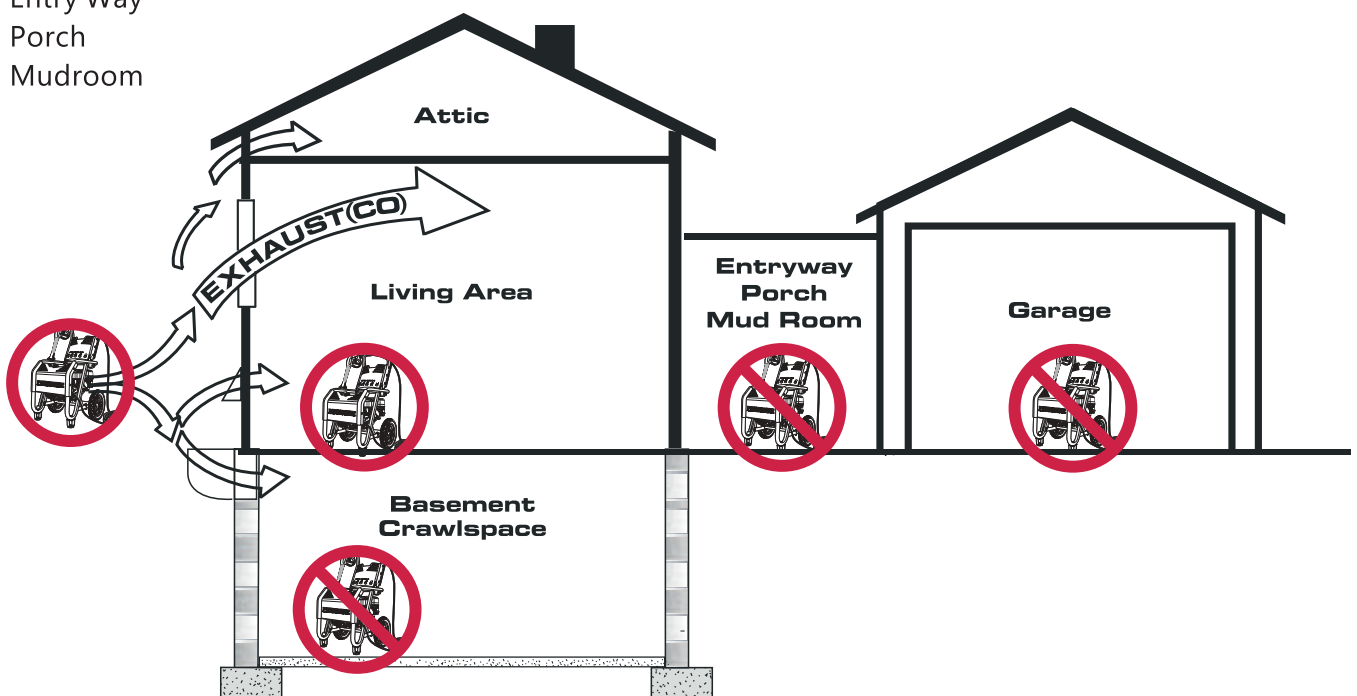
Living Area

Attic

Entry Way

Porch

Mudroom



SAFETY

WARNING



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

- When starting engine, pull cord slowly until resistance is felt and then pull rapidly to avoid kickback.
- **NEVER** start or stop engine with electrical devices plugged in and turned on.

WARNING



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

WHEN ADDING OR DRAINING FUEL

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

WHEN STARTING EQUIPMENT

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

WHEN OPERATING EQUIPMENT

- **DO NOT** operate this product inside any building, carport, porch, mobile equipment, marine applications, or enclosure.
- **DO NOT** tip engine or equipment at angle which causes fuel to spill.
- **DO NOT** stop engine by moving choke control to "Start" position.

WHEN TRANSPORTING, MOVING OR REPAIRING EQUIPMENT

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

WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters, clothes dryers, or other appliances that have pilot light or other ignition source because they could ignite fuel vapors.

WARNING

- This generator does not meet U. S. Coast Guard Regulation 33CFR-183 and should not be used on marine applications.
- Failure to use the appropriate U. S. Coast Guard approved generator could result in death or serious injury and/or property damage.

WARNING



Generator voltage could cause electrical shock or burn resulting in death or serious injury.

- Use approved transfer equipment, suitable for the intended use, to prevent backfeed by isolating generator from electric utility workers.

SAFETY

- When using generator for backup power, notify utility company.
- Use a ground fault circuit interrupter (GFCI) in any damp or highly conductive area, such as metal decking or steel work.
- **DO NOT** touch bare wires or receptacles.
- **DO NOT** use generator with electrical cords which are worn, frayed, bare or otherwise damaged.
- **DO NOT** operate generator in the rain or wet weather.
- **DO NOT** handle generator or electrical cords while standing in water, while barefoot, or while hands or feet are wet.
- **DO NOT** allow unqualified persons or children to operate or service generator.



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

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

- **DO NOT** touch hot parts and **AVOID** hot exhaust gases.
- Allow equipment to cool before touching.
- It is a violation of California Public Resource Code, Section 4442, to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws. Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine.
- Replacement parts must be the same and installed in the same position as the original parts.



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

WHEN ADJUSTING OR MAKING REPAIRS TO YOUR GENERATOR

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

WHEN TESTING FOR ENGINE SPARK

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



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

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



Excessively high operating speeds could result in minor injury. Excessively low operating speeds impose a heavy load.

- **DO NOT** tamper with governor spring, links or other parts to increase engine speed. Generator supplies correct rated frequency and voltage when running at governed speed.
- **DO NOT** modify generator in any way.

NOTE:

Exceeding generators wattage/amperage capacity could damage generator and/or electrical devices connected to it.

- **DO NOT** exceed the generator's wattage amperage capacity.
- Start generator and let engine stabilize before connecting electrical loads.
- Connect electrical loads in OFF position, then turn ON for operation.
- Turn electrical loads OFF and disconnect from generator before stopping generator.

SAFETY

NOTE:

Improper treatment of generator could damage it and shorten its life.

- Use generator only for intended uses.
- If you have questions about intended use, ask dealer or contact local service center.
- Operate generator only on level surfaces.
- DO NOT expose generator to excessive moisture, dust, dirt, or corrosive vapors.
- DO NOT insert any objects through cooling slots.
- If connected devices overheat, turn them off and disconnect them from generator.
- Shut off generator if:
 - Electrical output is lost.
 - Equipment sparks, smokes, or emits flames.
 - Unit vibrates excessively.



Medical and Life Support Uses.

- In case of emergency, call 911 immediately.
- NEVER use this product to power life support devices or life support appliances.
- NEVER use this product to power medical devices or medical appliances.
- Inform your electricity provider immediately if you or anyone in your household depends on electrical equipment to live.
- Inform your electrical provider immediately if a loss of power would cause you or anyone in your household to experience a medical emergency.

SAFETY

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

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

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



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

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

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

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

⚠ WARNING Risk of electrocution.



Contact with power source could cause electric shock or burn resulting in death or serious injury.

- NEVER spray near power source.

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



Kickback from spray gun could cause

you to fall resulting in death or serious injury.

- Operate pressure washer from a stable surface.
- The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.
- Be extremely careful if you must use the pressure washer from a ladder, scaffolding, or any other similar location.
- Firmly grasp spray gun with both hands when using high pressure spray to avoid injury when spray gun kicks back.

⚠ WARNING Chemical Burn Hazard.



Chemicals could cause burns resulting in death or serious injury.

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

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



WHEN ADDING OR DRAINING FUEL

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

WHEN STARTING EQUIPMENT

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

WHEN OPERATING EQUIPMENT

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

WHEN TRANSPORTING, MOVING OR REPAIRING EQUIPMENT

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

WHEN STORING FUEL OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters, clothes dryers, or other appliances that have pilot light or other ignition source because they could ignite fuel vapors.

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



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

SAFETY

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



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

- If cut by fluid, call physician immediately. DO NOT treat as a simple cut.
- DO NOT allow CHILDREN to operate pressure washer.
- NEVER repair high pressure hose. Replace it.
- NEVER repair leaking connections with sealant of any kind. Replace o-ring or seal.
- NEVER connect high pressure hose to nozzle extension.
- Keep high pressure hose connected to pump and spray gun while system is pressurized.
- ALWAYS point spray gun in safe direction, disengage trigger lock and squeeze spray gun trigger to release high pressure, every time you stop engine.
- NEVER aim spray gun at people, animals, or plants.
- DO NOT secure spray gun in open position.
- DO NOT leave spray gun unattended while machine is running.
- NEVER use a spray gun which does not have a trigger lock or trigger guard in place and in working order.
- Always be certain spray gun, nozzles and accessories are correctly attached.

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



WHEN ADJUSTING OR MAKING REPAIRS TO YOUR PRESSURE WASHER

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

WHEN TESTING FOR ENGINE SPARK

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

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



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

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



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

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

Excessively low speeds impose a heavy load.

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

NOTICE High pressure spray could damage fragile items including glass.

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

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

- If you have questions about intended use, contact our service center at 1-855-888-3598.
- NEVER operate units with broken or missing parts, or without protective housing or covers.
- DO NOT by-pass any safety device on this machine.
- DO NOT tamper with governed speed.
- DO NOT operate pressure washer above rated pressure.
- DO NOT modify pressure washer in any way.
- Before starting pressure washer in cold weather, check all parts of the equipment to be sure ice has not formed there.
- NEVER move machine by pulling on hoses. Use handle provided on unit.
- This equipment is designed to be used with A-iPower authorized parts **ONLY**. If equipment is used with parts that DO NOT comply with minimum specifications, user assumes all risks and liabilities.

SET UP



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.

⚠ WARNING

TO PREVENT SERIOUS INJURY: Operate only with proper spark arrestor installed.



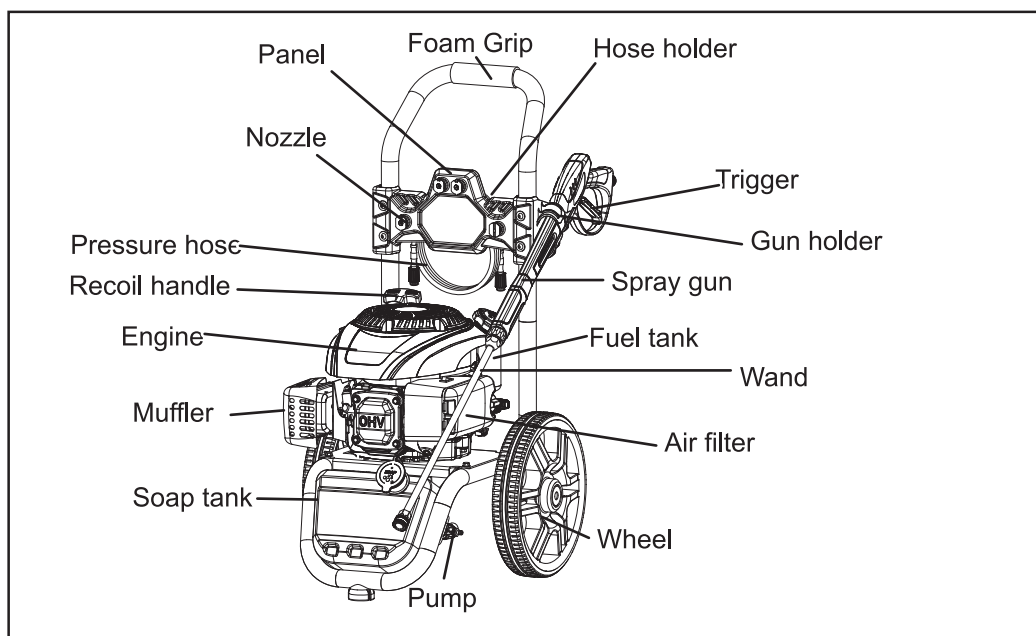
Operation of this equipment may create sparks that can start fires around dry vegetation. A spark arrestor may be required.

The operator should contact local fire agencies for laws or regulations relating to fire prevention requirements.

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL STARTING: Turn the Engine Switch of the equipment to its “OFF” position, wait for the engine to cool, and unplug the spark plug wire(s) before assembling or making any adjustments to the equipment.

NOTICE For additional information regarding the parts listed in the following pages, refer to the “PARTS LIST AND DIAGRAM” on Page 22-25.

Pressure Washer Components



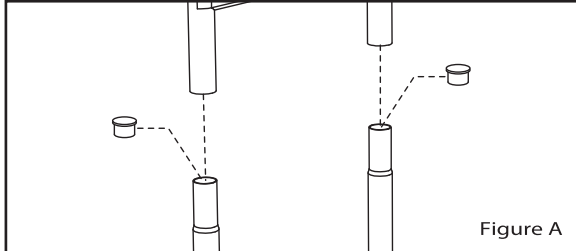
Accessories Included

Oil Funnel	1	Owner's Manual	1
0.6 Quart Engine Oil	1	Spark Socket	1
		Nozzle Cleaning Needle	1

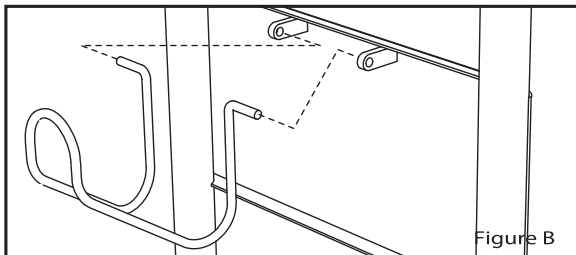
SET UP

Assembly

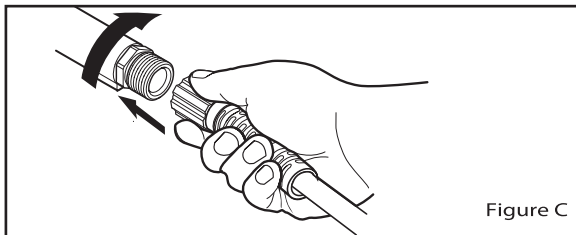
1. Take out the End Cap in the Frame, attach the Handle on to the Frame by inserting the clip. See Figure A.



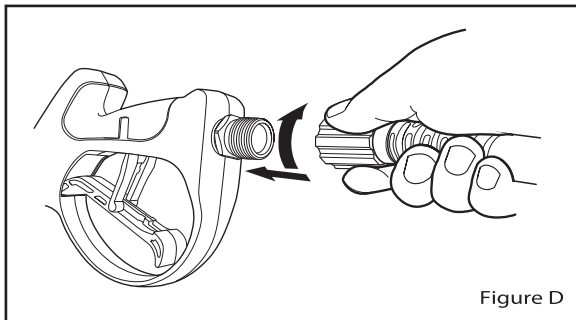
2. Attach the Hose Holder to the Panel. See Figure B.



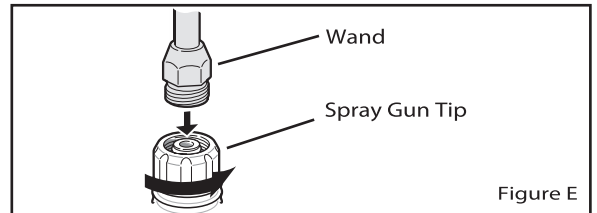
3. Connect the Pressure Hose to the Pump outlet fitting and tighten the nut firmly by hand. See Figure C.



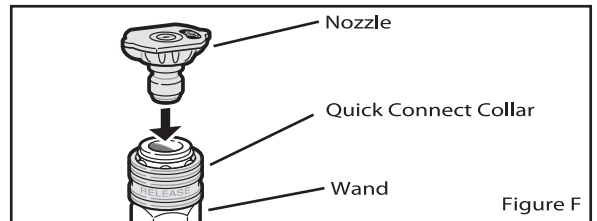
4. Connect the Pressure Hose to the handle of the Spray Gun and tighten the nut firmly by hand. See Figure D.



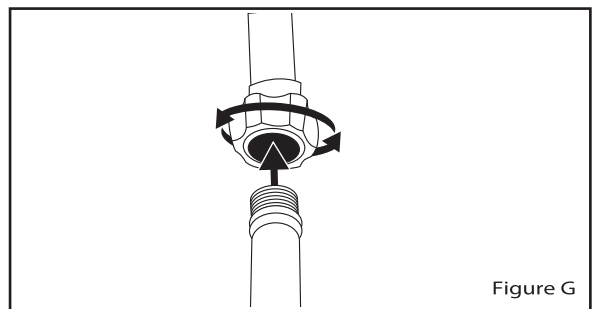
5. Remove the protective cap on the Wand inlet. Insert the Wand into the Spray Gun tip and tighten the nut firmly by hand. See Figure E.



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.



SET UP

General Information

Fuel	. 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	. Engine oil: Use only SAE 10W-30, 0.6 Quart non-detergent oil (supplied).
Water	. 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	. Pressure setting is pre-set at factory. . For lowering pressure, refer to "Pressure Adjustment" on Page 14.
Pressure Pump	. Squeeze spray gun trigger every 2 minutes while engine is running. . Do not allow water to freeze in pump.
By-Pass Mode	. 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	. 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	. 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	. Do not adjust or attempt maintenance without reading owner's manual or consulting our Customer Service at 1-855-888-3598. . 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	. Use only soaps and chemicals detergents designed for pressure washer use.
Nozzle	. Always keep nozzles unclogged. Use the nozzle needle to clean if clogged. . Use ONLY detergent nozzle(black) when using chemical and cleaning solvents.
Storage or Winterizing	. 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.

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.

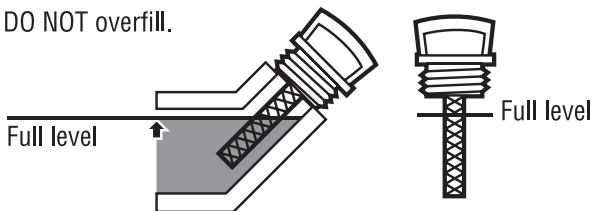
Pre-Start Checks

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 engine’s crankcase is not properly filled with oil before each use. Before each use, check the oil level.
Engine will not start with low or no engine oil.

- 1.1 Move the Pressure Washer OUTSIDE and place on a flat and level surface.
- 1.2 Make sure the engine is stopped and is level.
- 1.3 Close the Fuel Valve.
- 1.4 Clean the top of the Dipstick and the area around. Remove the Dipstick by turning it counterclockwise, and wipe it off with a clean, lint free rag.
- 1.5 Place funnel in the oil reservoir.
- 1.6 Pour engine oil (SAE 10W-30 is recommended for general use) until oil level reaches the threads inside the oil 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.

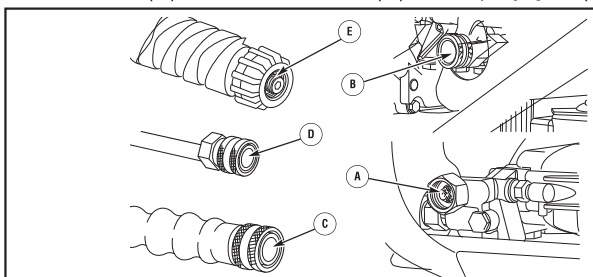
OPERATION

Pre-Start Checks (Continued)

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).

Starting The Engine

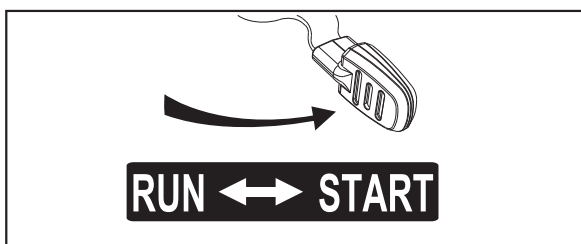
▲ WARNING Before Starting the Engine

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

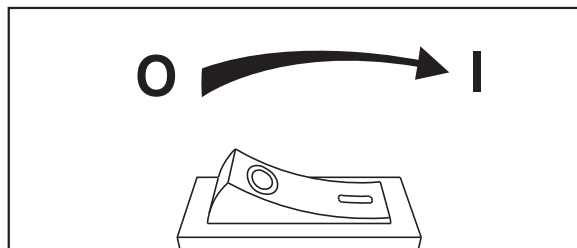
TURN ON WATER SUPPLY, REMOVE NOZZLE, POINT WAND IN SAFE DIRECTION, AND HOLD DOWN TRIGGER UNTIL ALL AIR IS RELEASED FROM THE SYSTEM, AT LEAST 30 SECONDS.

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

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

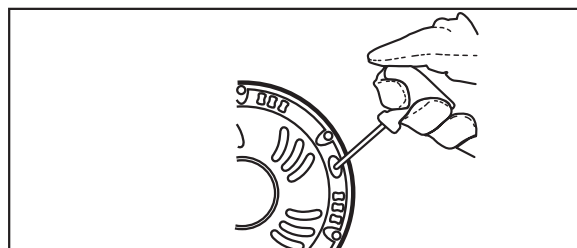


2. Turn the Engine Switch on.



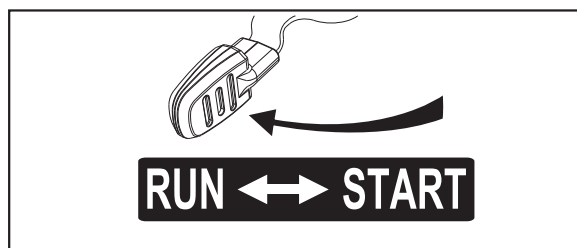
NOTICE If engine does not start, check engine oil level. Engine will not start with low or no engine oil.

3. 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. 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.

OPERATION

Pressure Washer Operation

▲ WARNING

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

The water stream could cause serious injury.

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

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

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



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



Kickback from spray gun can cause you to fall.

▲ CAUTION

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

1. Selecting the Right Nozzle

To prevent damage to your surface and to select an appropriate nozzle size for your application, always start with 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 three 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° Nozzle - Red: This nozzle delivers a pinpoint stream of pressurized water and is extremely powerful. It covers only a small area of cleaning. This nozzle should only be directed at surfaces that can withstand high pressure such as metal or concrete. Do not use this nozzle to clean wood.



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 - Green: 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.



2. Nozzles To Spray Wand

▲ WARNING

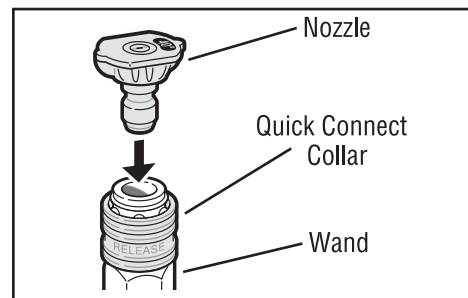
Never place hands in front of nozzle. Never grasp hose or fittings during Pressure Washer operation.

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

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

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

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



3. Using The Spray Gun

▲ WARNING

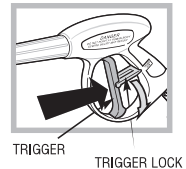
To prevent accidental discharge of high pressure washer, the trigger lock on the trigger should be engaged whenever the pressure washer is not in use.

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

To Operate The Trigger:

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

3.2 Release the trigger to stop water flow.



4. Washing / Cleaning

▲ WARNING

SOME ENGINE PARTS CAN BECOME EXTREMELY HOT.

Do not allow the pressure hose come in contact with engine exhaust system which can cause damage to the hose.

Damaged hoses can burst and can cause injection injuries.

4.1 Firmly grip spray gun with both hands.

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

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

4.4 Clean vertical and sloped surfaces from the top down.

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

OPERATION

Pressure Washer Operation (Continued)

- 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.

5. 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.

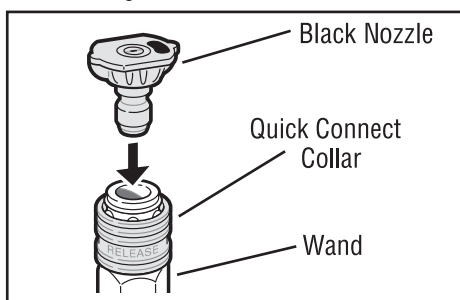
Change spray nozzle for desired pressure (see "Selecting The Right Nozzle" on Page 13).

Restart engine.

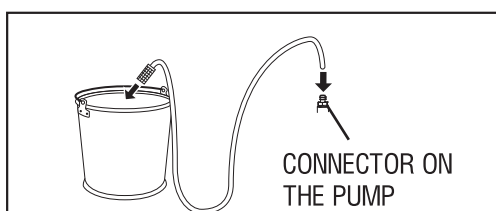
6. Using Chemicals And Cleaning Solvents

NOTICE Use only soaps and chemicals designed for use with Pressure Washer. DO NOT USE CHLORINE BLEACH. Chemicals, 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.

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



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



7. To Rinse

7.1 Replace the nozzle with an appropriate high pressure nozzle (see "Selecting The Right Nozzle" on Page 13). Squeeze the trigger and wait for the detergent to clear.

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

7.3 Apply a high pressure spray to a small area, and then check the surface for damage. If no damage is found, it is okay to continue cleaning.

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

8. Cleaning Tips

▲ WARNING

Never use the Pressure Washer water inlet to siphon detergent or wax.

Leaving chemicals and cleaning solutions inside the pressure pump could damage it. Damages created by leaving soaps, chemicals and cleaning solutions inside the pump can void the warranty.

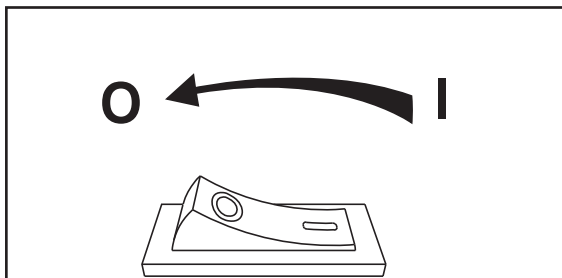
OPERATION

Stopping the Engine and Pressure Washer

▲ WARNING

SOME ENGINE PARTS CAN BECOME 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.

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



2. Under normal conditions, use the following procedure:
 - 2.1 Release the Trigger on the Spray Gun handle.
 - 2.2 Turn the Engine Switch off.
 - 2.3 Turn the water supply off.
3. Squeeze the Trigger to release excess pressure.
4. If pressure washer detergent has been used, run clean water through the system to eliminate detergent residue using the following procedure:
 - 4.1 Turn off the Engine as detailed in step 2.
 - 4.2 Fill the Detergent Tank (Not supplied) with clean water.
 - 4.3 Remove the Nozzle and restart the Engine (Following directions in "Starting The Engine" on Page 11.)
 - 4.4 Point Wand in safe direction and hold down to flush water through system until clean.
 - 4.5 Turn off the Engine as detailed in step 2.

High Altitude Operation

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

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.

Frenquency	Items	Each Time	Every month or 20 Hrs	Every 3 months or 50 Hrs	Every 6 months or 100 Hrs	Every Year or 300 Hrs
Brush off outside of engine						
Engine Oil	Check oil level	√				
	Replace				√ *	
Air Filter	Check	√				
	Clean			√	√ *	
	Replace					√ *
Deposit Cup	Clean				√	
Spark Plug	Clean, Adjust				√ ***	
	Replace					√ *
Spark 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 0.6mm - 0.7mm.

MAINTENANCE

Pump Maintenance

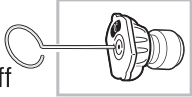
1. Checking Pressure Pump

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.

Please call our Customer Service at 1-855-888-3598.

2. Cleaning Nozzle

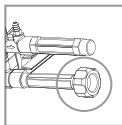
Occasionally, the spray wand can become clogged with foreign materials such as dirt. When this happens excessive pressure can develop. Whenever the pressure nozzle becomes partially clogged, the pump pressure will pulsate. It should be immediately cleaned.



- 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

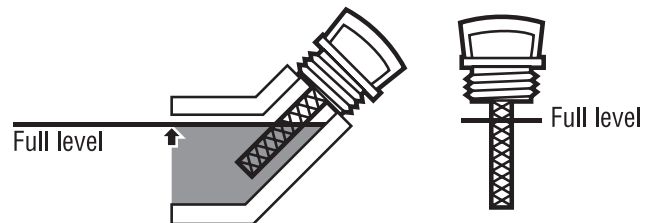
Daily or before use inspections should include areas around and underneath Pressure Washer looking for signs of fuel or oil leaks. Preventative maintenance should be taken if leakage is found. Clean accumulated debris from outside and inside Pressure Washer. Ensure all linkages, springs and other engine 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

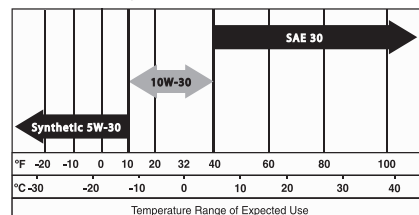
All oil should meet minimum American Petroleum Institute (API) Service Class SJ, SL or better. Use no special additives. Select the oil's Viscosity grade according to the expected operating temperature (also see chart).

The SAE Viscosity Grade Chart

Above 40°F, use 10W-30

Between 40°F and 10°F, use 10W-30

Below 10°F, use synthec 5W-30

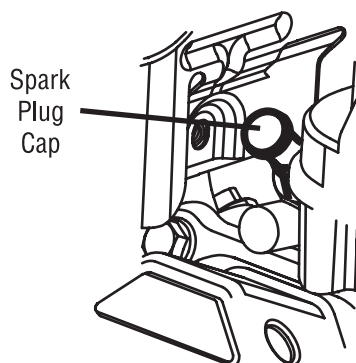


Replace the Dipstick and Clockwise.

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

MAINTENANCE

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®	BP-6ES
NHSP® / TORCH®	F6TC

NOTICE Using an incorrect spark plug may damage the engine.

4. When installing a new spark plug, adjust the plug's gap to the specification on the Specifications chart. Do not pry against the electrode, 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 overtightened, the threads in the engine block will be damaged.

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

Air Filter Maintenance

1. Remove the Air Filter Cover and the air filter(s) and check for dirt. Clean as described below.
2. Cleaning:
 - For paper filters:
To prevent injury from dust and debris, wear ANSI-approved safety goggles, NIOSH-approved dust mask/respirator, and heavy-duty work gloves. In a well-ventilated area away from bystanders, use pressurized air to blow dust out of the filter. If this does not get the filter clean, replace it.
 - For foam filters:
Wash the filter in warm water and mild detergent several times. Rinse. Squeeze out excess water and allow it to dry completely. Soak the filter in lightweight oil briefly, then squeeze out the excess oil.
3. Install the cleaned filter(s). Secure the Air Filter Cover before use.

Long-term Storage

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

1. Cleaning

Wait for 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.

MAINTENANCE

3. Lubrication

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

- 3.1 Change engine oil.
- 3.2 Clean out area around spark plug.
Remove spark plug and pour approximately 1/2 oz (15 ml) of clean engine oil into 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 as water heaters, clothes dryers and furnaces.

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

- 7.1 Safely drain antifreeze, and dispose of properly.
- 7.2 Connect 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 30 seconds. 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 15-20 minutes 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 Pump's 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 retighten.
- 8.3 Reconnect the spark plug wire.

MAINTENANCE

Trouble Shooting

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. Call customer service: 1-855-888-3598. 9. 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. Sparkplug 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 headgasket. 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. Call Customer Service: 1-855-888-3598. 2. Clean or replace fuel filter.
Engine lacks power	1. Cylinder pressure is low. 2. Dirty air filter.	1. Call Customer Service: 1-855-888-3598. 2. Clean or replace fuel filter.

MAINTENANCE

Trouble Shooting (Continued)

Problem	Possible Causes	Probable Solutions
Engine misfires	1. Sparkplug cap loose. 2. Incorrect or defective spark plug. 3. Defective spark plug cap. 4. Old or low quality gasoline. 5. Incorrect compression.	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	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.	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. Fill engine oil to proper level. Check engine oil before EVERY use. 3. Test/replace fuel tank cap. 4. Have qualified technician service magneto. 5. Secure spark plug cap.
Engine stops when under heavy load	1. Dirty air filter 2. Engine running cold.	1. Clean or replace element. 2. Allow engine to warm up prior to operating equipment.
Engine knocks	1. Old or low quality gasoline. 2. Engine overloaded. 3. Incorrect spark timing, deposit buildup, worn engine, or other mechanical problems.	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	1. Impure or low quality gasoline. 2. Engine too cold. 3. Intake valve stuck or overheated engine. 4. Incorrect timing.	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	1. Sparay 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.	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. Call Customer Service: 1-855-888-3598. 7. Squeeze trigger to remove air. 8. Move choke to "RUN" position.

MAINTENANCE

Trouble Shooting (Continued)

Problem	Possible Causes	Probable Solutions
Output pressure varies	1. Not enough water supply. 2. Water inlet screen is clogged. 3. Nozzle is clogged. 4. Nozzle has mineral build up.	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	1. Loose connections. 2. Worn or broken O-rings. 3. Pump head or tubes damaged from freezing.	1. Tighten connections. 2. Call Customer Service: 1-855-888-3598. 3. Call Customer Service: 1-855-888-3598.
No intake of detergent	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.	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	1. Worn or broken O-ring. 2. Loose hose connection.	1. Call Customer Service at 1-855-888-3598. 2. Tighten hose connection.

General Assembly Diagram



PARTS LIST AND DIAGRAM

General Parts List

PART	DESCRIPTION	QTY
1	Engine	1
2	Shaft Key	1
3	Plate	1
4	Bolt M6x20	4
5	Water Pump	1
6	Bolt M10x40	1
7	Frame	1
8	Bolt M6x12	1
9	Cap, Soap Tank	1
10	Soap Tank	1
11	Rubber Feet	1
12	Nut	6
13	Wheels	2
14	Hair Pin	2
15	Axle	2

PART	DESCRIPTION	QTY
16	Tubing Clip	1
17	Handle	1
18	Foam Grip	1
19	Panel	1
20	Nozzle Holder	4
21	Black Soap Nozzle	1
22	Red Nozzle 0°	1
23	Green Nozzle 25°	1
24	White Nozzle 40°	1
25	Nut	2
26	Bolt M8x55	2
27	High Pressure Hose	1
28	Wand	1
29	Spray Gun	1
30	Siphon Tube	1

WARRANTY

A-iPower Limited Warranty Policy

Thank You For Choosing A-iPower High Pressure Washer!

Our Warranty

A-iPower will, at its position, free of charge, repair or replace any part(s) which, upon examination, inspection and testing by A-iPower or an A-iPower authorized warranty service dealer that is defective in material or workmanship or both. Transportation charges on product submitted for repair or replacement under this warranty must be borne by purchaser. Retain your proof-of-purchase receipt. If you do not provide proof of the initial purchase date, the manufacturer's shipping date of the product will be used to determine the warranty period starting.

Customer is responsible for taking the unit to & from the "pre-approved" warranty center if there is an issue with the unit that needs mechanical work..

Warranty Term

Any new A-iPower high pressure washer purchased for non-commercial use from an authorized A-iPower high pressure washer dealer in the continental North America will be warranted against defects in material or workmanship for a period of one years, from date of purchase, subject to exclusions noted herein. The warranty period begins on the date of purchase by the first retail end-user, and continues for the period of warranty time. A-iPower customer service will keep on supplying spare parts per request after warranty period with cost charge. "Comsumer Use" means residential household using by a retail consumer. "Commercial Use" means all other uses, including used for commercial, industrial or business or rental purposes. Once equipment has experienced commercial use, it shall thereafter be considered as commercial use for purposes of this warranty.

Warranty Exclusions

Most warranty repairs are handled routinely, but sometimes requests for warranty service may not be appropriate. This warranty will not cover the following:

REGULAR WEARING: Outdoor Power Equipment, as with all mechanical devices, need periodic parts(s) service and replacement to perform as designed. This warranty will not cover repair when normal use has exhausted the lifetime of any part.

INSTALLTION AND MAINTENANCE: This warranty does not cover the high pressure washer or its parts what have been subjected to improper or unauthorized accident, over-speeding, improper maintenance, repair or storage so as, in our judgment, to adversely affect its performance and reliability. This warranty also does not cover regular maintenance and parts such as air filters, adjustments, fuel system cleaning and obstruction (due to chemical, dirt, carbon lime, and so forth).

OTHER: This warranty excludes wearing parts such as o-rings, pressure hose, etc. or malfunction resulting from accidents, abuse, modifications, alterations, or improper servicing or freezing or chemical deterioration; damaged related to rodent and/or insect infestation. This warranty excludes used, reconditioned and demonstration equipment, equipment used for prime power in place of utility power, equipment used in life support applications, and failures due to acts of God and other force majeure events beyond the manufacturers control, such as collision, theft, vandalism, riot or wars, nuclear holocaust, fire, freezing, lightning, earth-quake, windstorm, hail, volcanic eruption, water or flood, tornado or hurricane.

How To Obtain Warranty Service

Please call our customer service number 1-855-888-3598, or email to support@a-ipower.com to contact our support team at first in case of a service needed. Please prepare and provide the model number, serial number and the proof of purchase while contacting us or mail a request to:

A-iPower Corp.

Fontana, CA 92337 USA

WARRANTIES

WARRANTY

A-IPOWER LIMITED

WARRANTY-2 YEARS RESIDENTIAL AND 1 YEAR COMMERCIAL

Thank you for choosing A-iPower products. To ensure proper registration of your product warranty, please submit your warranty registration along with proof of purchase within 10 days of the date of purchase, this can be done by

a) Completing the Warranty Registration form at the back of this manual and mailing to:

A-IPOWER CORP

Fontana, CA 92337 USA

b) Visit us at www.a-ipower.com and click the product registration icon

WARRANTY TERM

A-iPower will provide warranty for any of its products purchased through any authorized A-iPower dealer in North America to the original purchaser and will be warranted against defects in material or workmanship for a period of two (2) years for Consumer use from date of purchase, subject to exclusions noted herein.

Commercial and Rental applications are warranted for a period of one (1) year from date of purchase.

“Consumer Use” – residential household use by a retail consumer

“Commercial Use” – all other use – commercial, business, industrial, or rental purpose

HOW TO OBTAIN WARRANTY SERVICE

Please call our Customer Service Dept.

855-888-3598 or e-mail to

support@a-ipower.com Please have

necessary information available – Model Number, Serial Number, Proof of Purchase

DO NOT RETURN THE PRODUCT TO THE PLACE OF PURCHASE

A-iPower Customer Service Dept will assist with all product related questions and will help troubleshoot issues and will send any replacement parts as necessary while product is within the warranty

period at no charge. If the issue cannot be resolved then A-iPower Customer Service Dept at its discretion determine and authorize diagnosis and repair through one of its authorized Service Centers. A-iPower Corp at its discretion may choose to provide replace of part, component, or product. Service or replacement of parts at any unauthorized repair facility without prior authorization will not be covered by this warranty.

WARRANTY EXCLUSIONS

This warranty does not cover the following Regular wear and maintenance – this warranty will not cover repair when normal use has exhausted the lifetime of a part(s) or engine

Installation and Maintenance - this warranty does not cover improper or unauthorized assembly, alteration, modification or any other damage resulting from misuse or neglect.

Normal maintenance parts - this warranty does not cover spark plugs, air filters, adjustments, or other related service due to obstructions and other build ups resulting from improper maintenance

Additional exclusions – this warranty does not cover wearable parts such as filters, spark plugs, o-rings, batteries etc. It does not cover any cosmetic defects such as scratches to paint, decals etc. It does not cover any damage resulting from use of non-original manufacturer's parts, use of aftermarket parts. It does not cover any failures due to acts of God and other force majeure events beyond the control of the manufacturer.

WARRANTY LIMITS AND

IMPLICATIONS AND CONSEQUENTIAL DAMAGES

A-iPower is not obligated to cover any loss of time, use of product, freight cost, or any other incidental or consequential claim from the use of this product. This warranty is in Lieu of all other warranties, express or implied

This warranty gives you specific legal rights which vary from state to state.

A-iPOWER WARRANTY REGISTRATION FORM



Register your product by mailing this form to support@a-ipower.com or register online at www.a-ipower.com.

Registering your product is important, it provides protection

- 1) You have record of product purchased
- 2) Customer Service can Better serve you for Warranty related issues
- 3) We can contact you in the unlikely event should notification is necessary
- 4) Always keep copy of your original receipt

Primary Information	Pressure Washer Information
Name: _____	Serial # _____
Phone: _____	
E-mail: _____	Model # _____
Address: _____	
City, State: _____	The serial No. can be found on the engine.
Zip code: _____	PLEASE NOTE: Your product cannot be
Purchase Date: _____	registered without model & serial numbers.

1. THE PRODUCT WAS PURCHASED FOR:

A. ☐ Residential cleaning

B. ☐ Other _____

2. THIS PRODUCT IS A: (select one)

A. ☐ First Time Purchase

B. ☐ Replacement

3. HOW DID YOU FIRST LEARN OF THIS PRODUCT: (select one)

A. ☐ Magazine Ad

G. ☐ Trade Show

B. ☐ Newspaper

H. ☐ Direct Mail

C. ☐ Radio

I. ☐ From Friend/Relative/Neighbor

D. ☐ TV

J. ☐ Catalog

E. ☐ Store Display

K. ☐ Internet

F. ☐ Contractor

L. ☐ Other _____

4. PLEASE RATE YOUR SATISFACTION LEVEL WITH THE FOLLOWING:

	Completely Satisfied				Not at all Satisfied
	5	4	3	2	1
Product Value for Price Paid	☐	☐	☐	☐	☐
Performance	☐	☐	☐	☐	☐
Features	☐	☐	☐	☐	☐
Product Appearance	☐	☐	☐	☐	☐
Warranty	☐	☐	☐	☐	☐
Ease of Maintenance	☐	☐	☐	☐	☐
Noise Level	☐	☐	☐	☐	☐

5. HOW LIKELY ARE YOU TO RECOMMEND A-iPOWER TO FAMILY OR FRIENDS?

Extremely Likely				Not likely at all
5	4	3	2	1
☐	☐	☐	☐	☐

Privacy Statement: A-ipower is committed to respecting your privacy and to complying with the regulations regarding the protection of personal data. The survey data we collect is for the purposes of marketing or product support and demographic information about the entire audience registering their products.

SPECIFICATIONS

Pressure Washer Specifications

Model	APW3200KA
Pump	Axial
Drive	Direct
Maximum Pressure	3200PSI
Flow Rate	2.4GPM
Hose Length	25'
Wand Length	14 x 1/4"
Nozzles	Quick Connect 0°, 25°, 40°, Soap Nozzle

Engine Specifications

Model	KOHLER XT775
Displacement	173cc
Engine Type	Single Cylinder 4-Stroke OHV
Cooling System	Air Cooled
Fuel Type	87+ Octane Stabilizer Treated Unleaded Gasoline
Fuel Capacity	0.37 Gallon (1.4 Liter)
Engine Oil Type	10W-30
Engine Oil Capacity	0.6 Quart (0.6 Liter)



32082-01414-02

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www.a-ipower.com