



Operating Instructions and Owner's Manual



PS2040, PS2040-CA,
PS2555, PS2555-CA,
PS2765, PS2765-CA

PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING YOUR NEW
LIFAN Power USA Pressure Washer
(-CA) Indicates this unit is CARB Certified for California



PLEASE READ THE **FOLLOWING INSTRUCTIONS!**

1. Unit Shipped with “NO OIL” in Engine or where applicable pumps and/or accessories. Check and fill with proper oil as outlined in the Owner’s Manual for the respective product.
2. For repair under Warranty or questions concerning Warranty, DO NOT return this product to the Store where purchased. Follow the procedures as outlined in the “WARRANTY POLICY” and “WARRANTY REGISTRATION” in the Owner’s Manual. For any questions visit www.lifanpowerusa.com or call 1-866-471-7464.
3. Read the “Owner’s Manual” prior to operating any equipment and familiarize yourself with the proper and safe operation of the equipment. If you have any questions, visit www.lifanpowerusa.com or call 1-866-471-7464.

This Owner’s Manual is for the Following Models:		
		
PS2040	PS2555	PS2765
PS2040-CA	PS2555-CA	PS2765-CA

(PS) indicates this unit is part of the Pressure Storm line

(-CA) indicates this unit is CARB Certified for California

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Preface

Thank you for choosing LIFAN Power USA for your Power Equipment Needs. LIFAN Power USA prides itself on providing quality products at affordable pricing, creating the “Best Equipment Value on Today’s Market!”

All LIFAN Power USA products are manufactured utilizing the latest technology. Built with quality components, your new Power Equipment Product will give you years of dependable service. Your unit, along with all of LIFAN Power USA products are designed, engineered, and manufactured with LIFAN’s Industrial Grade Gasoline Engine.

This Owner’s Manual will provide you with all of your needed information for your new Power Equipment Product, including Safe Operation and Maintenance of your unit. Please read this Owner’s Manual completely and carefully prior to operation. Keep this Owner’s Manual for assistance in the future, such as proper maintenance schedules and tips to prolong the life and effective use of your unit. If you require assistance, please visit our website (www.lifanpowerusa.com) or call toll free 866-471-7464.

This Owner’s Manual contains information with respect to the newest products at the time of publication. Due to revision and modifications, the information noted in the Owner’s Manual might vary from the actual status. This Owner’s Manual is subject to change without notice. The copyright of the Owner’s Manual belongs to EquipSource, LLC. Any group or individual is forbidden to reprint or copy any of this Owner’s Manual without the written consent of EquipSource, LLC.

FOR ALL WARRANTY AND SERVICE RELATED ISSUES/QUESTIONS DO NOT RETURN YOUR UNIT TO THE STORE OR DEALER WHERE THE ITEM WAS PURCHASED. FOR SERVICE VISIT LIFAN POWER USA’S WEBSITE (WWW.LIFANPOWERUSA.COM) OR CALL 1-866-471-7464. WE WILL BE HAPPY TO HANDLE YOUR WARRANTY ISSUE OR DIRECT YOU TO THE NEAREST “AUTHORIZED SERVICE CENTER.”



LIFAN Power USA



PRODUCT SPECIFICATIONS

PRESSURE STORM PRESSURE WASHERS

Model Size	PS2040(-CA)	PS2555(-CA)	PS2765(-CA)
Pump Manufacturer	Annovi Reverberi	Annovi Reverberi	Annovi Reverberi
Pump Type	Axial Cam	Axial Cam	Axial Cam
Pressure Output (psi ¹)	2000 psi	2500psi	2700 psi
Delivery Output (gpm ²)	2.5 gpm	2.5 gpm	3 gpm

ENGINE

Manufacturer	LIFAN	LIFAN	LIFAN
Model	LF160FBQ	LF168FBQ	LF168F-2BQ
Maximum Horsepower (MHP)	4MHP	5.5MHP	6.5MHP
Engine Displacement	118cc	163cc	196cc
Starting System	Recoil	Recoil	Recoil
Fuel Tank Capacity	0.66 Gallons	0.95 Gallons	0.95 Gallons
Engine Type	4-Stroke OHV	4-Stroke OHV	4-Stroke OHV
Fuel Type	87 Octane Gasoline	87 Octane Gasoline	87 Octane Gasoline
Fuel Compliance	15% Ethanol or Less	15% Ethanol or Less	15% Ethanol or Less
Oil Type & Amount	SAE10w30w 20oz	SAE10w30w 20oz	SAE10w30w 20oz
Low Oil Shutoff Protection	Yes	Yes	Yes
CARB Certified	(-CA) Models Only	(-CA) Models Only	(-CA) Models Only

DIMENSIONS

Length (inch)	29 in	29 in	29 in
Width (inch)	18 in	18 in	18 in
Height (inch)	22 in	22 in	22 in
Weight (lbs)	74.5 lbs	74.5 lbs	74.5 lbs

ACCESSORIES

Lance	1 ea.	1 ea.	1 ea.
Gun	1 ea.	1 ea.	1 ea.
Inlet Hose	1 ea.	1 ea.	1 ea.
Outlet Hose	1 ea.	1 ea.	1 ea.
Chemical Injector	1 ea.	1 ea.	1 ea.
Nozzle & Grommets	1 ea. of 0°, 15°, 25°, 40°, Spray	1 ea. of 0°, 15°, 25°, 40°, Spray	1 ea. of 0°, 15°, 25°, 40°, Spray
Wand & Hose Bracket	1 ea.	1 ea.	1 ea.
Mobility/Wheel Kit	2 Wheels/2 Legs	2 Wheels/2 Legs	2 Wheels/2 Legs

Comments

PSI¹ = Pounds Per Square Inch

GPM² = Gallons Per Minute

Lifan Power USA
2205 Industrial Park Road
Van Buren, AR 72956
866 741-7464




For Additional Lifan Product Information, Scan the
QR Code to the Left, Or Visit
www.lifanpowerusa.com

Safety Instructions









This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

For your safety read this manual carefully. Become familiar with the proper operation, care, and maintenance of your LIFAN Power USA water pump.

The safety and alert symbol () is used with a signal word (**CAUTION**, **DANGER**, **WARNING**), a pictorial and/or safety message to alert you to hazards. **CAUTION** indicates a hazard that, if not avoided, could result in minor or moderate injury. **DANGER** indicates a hazard that, if not avoided, could result in death or serious injury. **WARNING** indicates a hazard that, if not avoided, could result in death or serious injury.

Hazard Symbols and Meanings

		
Explosion	Fire	Electrical Shock
		
Toxic Fumes	Hot surface or gas	Kickback



WARNING!

Running pressure washer emits carbon monoxide: an odorless, colorless, poison gas.
Breathing carbon monoxide can cause nausea or death!

ONLY operate pressure washers outdoors.

Exhaust gas must be prevented from entering confined areas.

Direct exhaust gas away from windows, doors, ventilation and other openings.

Do not operate pressure washer inside or under any buildings.



WARNING!




The engine exhaust from this pressure washer contains chemicals known to the state of California to cause birth defects, reproductive harm, and cancer.




Safety Instructions (continued)

	WARNING!
	<p>Rapid recoil of starter cord (kickback) may pull hand and arm forward toward engine at a rapid rate. Broken bones, bruises, sprains, and fractures may result.</p>
<ul style="list-style-type: none"> When starting engine, pull cord slowly until tension is felt, then pull rapidly to avoid kickback. 	

	WARNING!
	Fuel and its vapors are extremely flammable and explosive.
	Fire or explosion can cause severe burns or death.
WHEN ADDING OR DRAINING FUEL	
<ul style="list-style-type: none"> Turn pressure washer off and let it cool for at least three minutes before removing fuel cap. Loosen cap slowly in order to relieve pressure in the fuel tank. Fill or drain fuel tank outdoors. Do not excessively inhale fuel vapors. Keep away from open flames or sparks and other sources of ignition. Do NOT smoke while filling fuel tank. Do NOT overfill tank. Allow space for fuel expansion. 	
WHEN TRANSPORTING OR REPAIRING EQUIPMENT	
<ul style="list-style-type: none"> Transport pressure washer with the fuel valve in the off position. Repair pressure washer with the fuel tank empty or the fuel valve in the off position. Disconnect spark plug wire before transport or service. 	
WHEN STORING FUEL OR EQUIPMENT CONTAINING FUEL	
<ul style="list-style-type: none"> Store away from furnaces, stoves, water heaters, clothes dryers or other appliances that have pilot light or other ignition source because they can ignite fuel vapors. 	
WHEN STARTING EQUIPMENT	
<ul style="list-style-type: none"> Ensure spark plug, muffler, air cleaner, and fuel cap are in place. Do NOT crank engine with spark plug removed. If fuels spills, wait until it evaporates before starting engine. 	
WHEN OPERATING EQUIPMENT	
<ul style="list-style-type: none"> Do NOT choke carburetor to stop engine. Do NOT tip engine or equipment at an angle, which causes fuel to spill. 	

Safety Instructions (continued)

	WARNING!
	While engine is running temperature may exceed 150°F (65°C). Server burns may occur.
	Exhaust heat/gasses can ignite combustibles, structures or damage fuel tank causing a fire.
<ul style="list-style-type: none"> Do NOT touch hot surfaces and do avoid exhaust gases. Allow pressure washer to cool before touching. Keep at least 6 ft. (183cm) clearance on all sides of pressure washer including overhead clear. Reflective exhaust heat may damage fuel tank causing fire. Code of Federal Regulation(CFR) Title 36 Parks, Forests, and Public Property require equipment powered by an internal combustion engine to have a spark arrester, maintained in working order, complying to USDA Forest service standard 5100-1c or later revision. In the state of California a spark arrester is required under section 4442 of the California Public resources code. 	

	WARNING!
	Unintentional sparking can result in fire or electrical shock.
	
<p>WHEN TESTING FOR ENGINE SPARK</p> <ul style="list-style-type: none"> Do NOT check for spark with the spark plug removed. Use approved spark plug tester. <p>WHEN REPAIRING OR ADJUSTING WATER PUMP</p> <ul style="list-style-type: none"> Disconnect the spark plug wire from the spark plug and place the wire where it cannot contact spark plug. 	

CAUTION!
Improper use and care of this pressure washer will cause damage and shorten its lifespan. Failure to follow these actions will void all warranties.
<ul style="list-style-type: none"> Use pressure washer only for appropriate and designated purposes. The dealer or customer helpline (1-866-471-7464) can instruct you on intended uses. Pressure washer must be placed on a level surface. Do NOT expose pressure washer to extreme conditions. Excessive dust, moisture, and corrosive vapors will damage unit. Cooling slots must be kept clear of debris. Shut off pressure washer and take to a qualified service center if the pressure washer fails to operate properly.

NOTE: NEVER ALLOW PRESSURIZED WATER EXITING SPRAY GUN TO CONTACT SKIN OF HUMAN OR ANIMAL.

Controls and Features



Legend

1. **Spray Gun** – Lance and Gun screw together to form Spray Gun
2. **Outlet Hose** - arrives pressurized water from pump to spray gun.
3. **Water Pump** – Annovi Reverberi Direct Drive High Pressurized Water Pump.
4. **Frame** – One Inch steel tubing for maximum protection.
5. **Legs** – Support for Pressure Washer.
6. **Mobility Kit/Wheels** – Never-Go-Flat Foam Filled Wheels for easy mobility.
7. **Fuel Cap** – Check/add fuel.
8. **Quick Tip Nozzles** - 0°, 15°, 25° 40°, and Spray Nozzles.

Pre-Operating Instructions: Assembly

Your LIFAN Power USA pressure washer is packaged without fuel and oil. Some assembly is required before operating your LIFAN Power USA Generator.

For further assistance in assembling your generator please visit our website (www.lifanpowerusa.com) or call 1-866-471-7464 during office hours.

BOX CONTENT:

- Generator
- Accessory Kit
 - 1 ea. - Spark Plug Removal Tool
 - 1 ea. – Chemical Injection Hose
 - 1 ea. – Outlet Hose
 - 1 ea. – Lance (Combines with Gun to form Spray Gun)
 - 1 ea. – Gun (Combines with Lance to form Spray Gun)
 - 1 ea. – Spray Gun & Hose Bracket
 - 1 ea. – Chemical Injector Hose
 - 5 ea. – Quick Tip Nozzle
 - 1 ea. - 0° Nozzle
 - 1 ea. - 15° Nozzle
 - 1 ea. - 25° Nozzle
 - 1 ea. - 40° Nozzle
 - 1 ea. - Spray Nozzle
- Owner's Manual
- Warranty Registration Card
- Warranty Policy
- Wheel Kit
 - 2 ea. - Never-Go-Flat Foam Filled Wheels
 - 2 ea. – Heavy-Duty Support Leg
 - 1 ea. - Axle
 - 1 ea. - Handle
 - Hardware Bag
 - 6 ea. – 12mm Bolt
 - 2 ea. – Handle Bolt (50mm Long)
 - 2 ea. – 3-Point Wing Nut
 - 2 ea. – 14mm Nut
 - 2 ea. – 18mm Nut
 - 2 ea. – Cotter Pin
 - 2 ea. – 1in Washer

Pre-Operating Instructions: Assembly (continued)

UNPACKING THE GENERATOR:

1. Set the carton on a flat, rigid surface.
2. Remove all loose contents from carton EXCEPT the Engine/Pump portion of pressure washer and set them beside carton.
3. Open box completely by cutting each corner from top to bottom.
4. Leave Generator on the remainder of the box until Wheel Kit is installed.
5. Locate all box contents and place them beside the pressure washer. (Some Items may be packaged within the voids of the pressure washer itself.)

INSTALLATION:

The Following Tools are needed to assemble the Pressure Washer:

- Safety Glasses
- 8mm-14mm Wrench Set
- 8mm-14mm Ratchet & Socket Set
- 18mm Ratchet & Socket

HANDLE INSTALLATION:

1. Slide both ends of Handle into the two poles located behind the engine. The Handle should bend away from the water pump/engine.
2. Insert Handle Bolt through the holes of the handle and pole. Fasten with 3-point wing nut. The Wing Nut should be on the outside of the handle. The head of the Handle Bolt should fit flush against the inside of the handle.
3. Repeat Step 2 for the other side of the handle.

Pre-Operating Instructions: Assembly (continued)

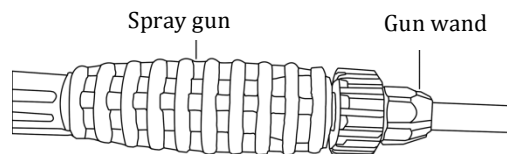
WHEEL KIT INSTALLATION: Wheels are installed under engine; Support feet are installed under pump end of base.

NOTE: Install Wheel Kit **BEFORE** Filling the Pressure Washer with Fuel or Oil. **Never Tip a Unit that contains Fuel or Oil.**

1. Carefully tip pressure washer so the Handle is touching the ground and the pump is facing the sky.
2. Using two 12mm Bolts, attach one Heavy-Duty Support Leg to the base of pressure washer. Securely tighten using 12mm Ratchet and Socket or like tools.
3. Repeat Step 5 to attach the second Heavy-Duty Support Leg.
4. Carefully tip the pressure washer so the back of the handle is facing the sky and the pump is facing the ground.
5. Using two 12mm Bolts, attach Axle. Securely tighten using 12mm Ratchet and Socket or like tools.
6. Slide 1in. Washer onto each end of the Axle.
7. Slide Wheel onto each end of the Axle.
8. Securely tighten 18mm Nut to each Axle using 18mm Ratchet and Socket or like tools.
9. Slide Cotter Pin through hole on each end of Axle. Bend the ends of the Cotter Pin to ensure the Cotter Pin will not slip out.
10. Carefully stand the pressure washer up with the wheels and support legs touching the ground.

ADDITIONAL INSTALLATION:

1. Slide the Spray Gun & Hose Bracket through the holes on the Handle. Securely tighten using the 14mm nuts and a 14mm Ratchet and Socket or like tools.
2. Screw the Lance and Gun together to form Spray Gun. (Refer to picture below.)
3. Place Spray Gun on the Spray Gun & Hose Bracket.



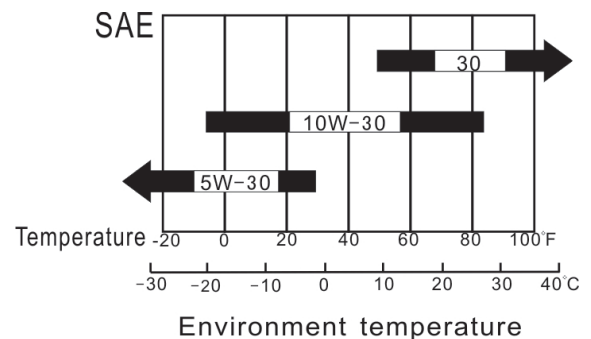
Pre-Operating Instructions: Engine Oil Level Check



CAUTION:

- Running engine with insufficient engine oil can cause severe damage to the engine.
- The engine performance and service life is directly dependent of the quality of the engine oil. Do NOT use contaminated engine oil or vegetable oil.
- Check engine oil level only with engine stalled and with unit on level ground.
 - Use 4-Stroke Gasoline Engine Oil equivalent in quality with SF, SG from API.

Oil viscosity varies with average environmental temperature. Select engine oil with proper viscosity using the chart to the right in accordance with your regional environmental temperature.

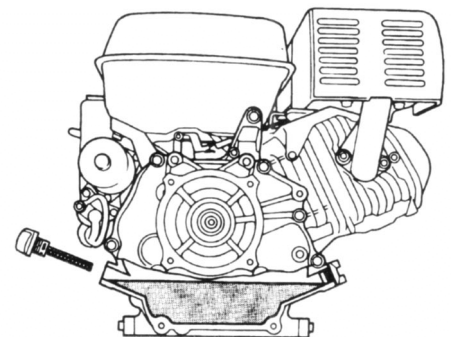
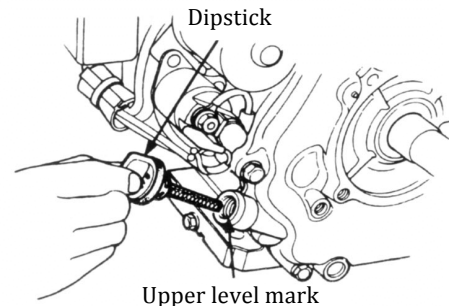


Engine Oil Alarm System

The engine oil alarm system aids in avoiding engine damage due to improper amounts of engine oil in the crankcase. Before the engine oil level in the crankcase drops below the safety line, the engine oil alarm system will automatically stall the engine (while the engine switch remains in the "ON" position).

If the engine stops and will not restart:

1. Remove the engine oil dipstick and wipe it clean.
2. Insert the dipstick into engine oil filler hole without screwing it in.
3. Remove dipstick and check engine oil amount.
4. If engine oil is below required amount, fill specified engine oil up to the top of filler hole. Use engine oil depended on environmental temperature.
5. Reinstall the engine oil dipstick.



Pre-Operating Instructions: Engine Fuel Level Check

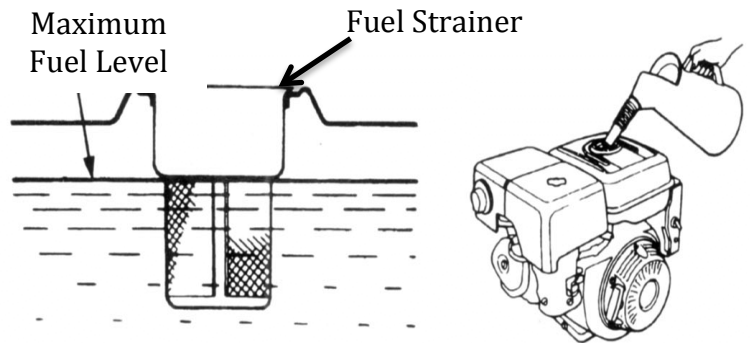


CAUTION:

- Gasoline is extremely flammable. Keep away from ignition sources.
- Fuel unit only in well-ventilated areas with the engine stalled.
- Do NOT smoke near unit.
- Do NOT spill fuel out of the fuel tank. Spilled gasoline and gasoline vapor may ignite. If gasoline is spilled, wipe completely dry before starting the engine.
- Avoid repeated or sustained breathing of gasoline fumes.
- Avoid skin contact with gasoline.
- Keep out of reach of children and pets.
- Do NOT use contaminated gasoline. Keep dirt, dust, and water out of fuel tank.
- After fueling is complete, ensure fuel filler cap is securely fastened.

TO CHECK ENGINE FUEL LEVEL:

1. Remove fuel filler cap.
2. Visually check fuel level within gas tank.
3. If too low, add fuel. Do NOT fill above the shoulder of the fuel strainer. Use only unleaded automotive gasoline with an Octane level of 87 or higher.



BLENDED FUELS

Gasoline is sometimes blended with alcohol or an ether compound to increase the octane level. If blended fuels are used, ensure the octane rating is at least equal to the recommended octane level in the product specifications. The following three blended fuels recommended:

- **Ethanol (ethyl or grain alcohol)** – Gasoline containing 10% ethanol by volume.
- **MTBE (methyl tertiary butyl ether)** – Gasoline containing no more than 15% MTBE by volume.
- **Methanol (methyl or wood alcohol)** – Gasoline containing no more than 5% methanol by volume.

NOTE: Damage caused by the use of blended fuels are NOT covered under warranty.

Pre-Operating Instructions: Air Cleaner Element Check

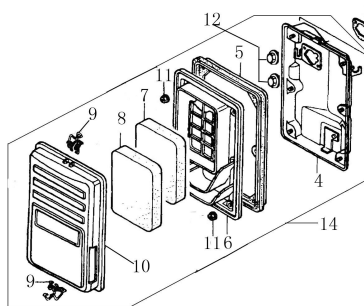


CAUTION:

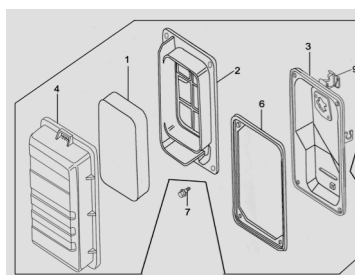
- **Do NOT run the engine without air cleaner element installed. Operation of engine without air cleaner element installed will result in the inhalation of dirt, dust, and other debris into the engine and through the carburetor. This will result in premature wear of the engine.**

To Check Air Cleaner Element:

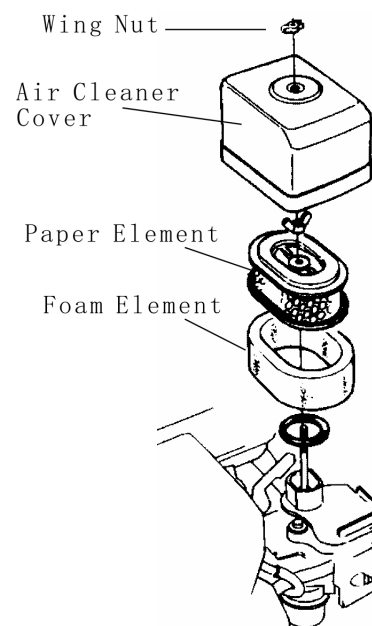
1. Remove the clip (item 9 in "Air Cleaner A" below) or the wing nut (item 7 in "Air Cleaner B" below) to remove and check the air filter element.
2. For Sponge Type Air Filters, wash with soap and water when contaminated. Squeeze excess liquid from air filter element, and allow the air filter element to dry.
For Paper Type Air Filters, replace with the correct Air Filter for your unit. They are available at your dealer or from LIFAN Power USA. Order your filter by calling toll free 866-471-7464.
3. Re-Install the air filter element into the air filter housing.



Air Cleaner A



Air Cleaner B

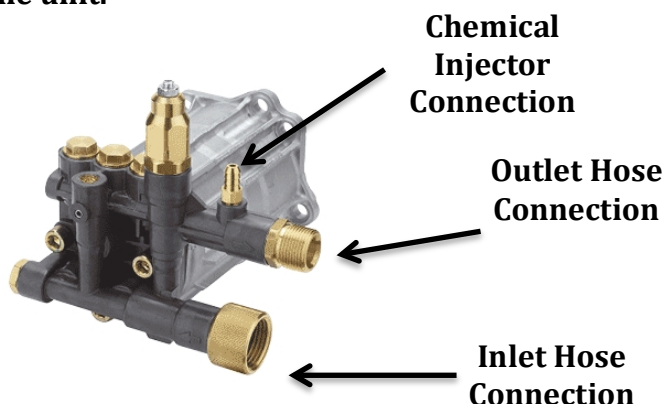


Pre-Operating Instructions: Connecting Inlet/Outlet/Chemical Injector Hose



CAUTION:

- Use only provided hoses or replacement hoses equal in quality. Use of improper hoses may result in injury.
- Use of chemical hose required only if cleaning agents are applied during washing.
- Ensure each connect is tightly secured. Failure to do so may result in injury or damage to the unit.



CONNECTING INLET HOSE:

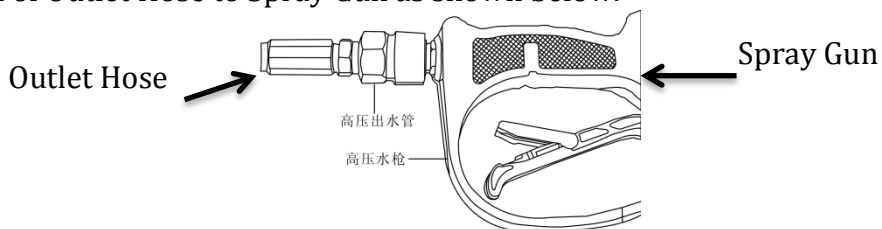
1. Connect Inlet Hose to Inlet Hose Connection on Pump. Tighten Securely.
2. Connect alternate end of Inlet Hose to a water tap. The water tap must deliver at least 20psi (pounds per square inch).

NOTE: Under NO circumstance should the pressure washer be used the self-prime from a water vessel.

CONNECTING OUTLET HOSE: Outlet Hose must be a High Pressure Hose.

NOTE: The Outlet Hose (High Pressure Hose) provided is the BLACK Hose.

1. Connect the Outlet Hose to Outlet Hose Connection on Pump. Tighten Securely.
2. Connect alternate end of Outlet Hose to Spray Gun as shown below. Tighten Securely.



Pre-Operating Instructions: Connecting Inlet/Outlet/Chemical Injector Hose (continued)

CONNECTING CHEMICAL INJECTOR HOSE: Water to Chemical ratio is 7:1.

NOTE: The Chemical Injector Hose provided is the white/clear hose and should be used in unison with the Spray (black) Nozzle.



CAUTION: WHEN USING CHEMICALS OR CLEANING SOLUTIONS:

- Use the Spray (Black) Nozzle.
 - Use ONLY soaps and chemicals designed for pressure washer use.
 - Do NOT use bleach.
 - Ensure water to chemical ratio is 7:1.
 - Ensure chemicals are NOT allowed to remain in pump after use. Failure to clean chemicals out of pump will damage unit and void warranty.
1. Connect the Chemical Injector Hose to the Chemical Injector Connection on Pump. Tighten Securely.
 2. Place alternate end of Chemical Injector Hose into chemical/cleaning solution to be used. This end of the Chemical Injector Hose will have a filter to keep foreign debris from entering pump.
 3. After use of Chemicals/Cleaning Solutions, place the end with the filter of the Chemical Injector Hose in clean water and allow to operate for three (3) minutes.

NOTE: Chemicals will NOT siphon while Spray Wand is in High-Pressure settings.

Pre-Operating Instructions: Connecting Nozzles



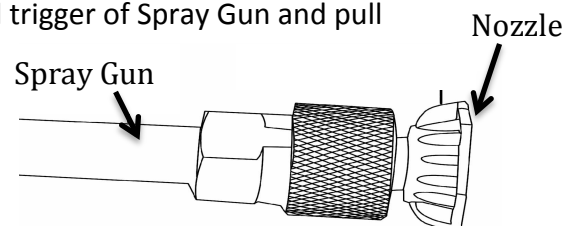
CAUTION:

- Do NOT attempt to change nozzle while unit is operating. Turn OFF engine before changing nozzle.
- Ensure all nozzles are properly and securely connected before operating unit.
- Ensure the source of water for the pressure washer is NOT contaminated. Use of contaminated water will clog nozzle and cause failure of the unit.

NOTE: ENGINE SHOULD NOT BE OPERATING DURING THE NOZZLE INSTALLATION PROCESS.



NOZZLE INSTALLATION:

1. Determine nozzle to be used from provided Quick Tip Nozzles.
 - a. **0° (Red) Nozzle** – Delivers a powerful pinpoint stream for intense cleaning of small areas. This nozzle should only be used on a surface that can withstand the high pressure supplied by this nozzle, such as metal or concrete.
 - b. **15° (Yellow) Nozzle** – Delivers a powerful 15° spray pattern for intense cleaning of small areas. This nozzle should only be used on a surface that can withstand the high pressure supplied by this nozzle.
 - c. **25° (Green) Nozzle** – Delivers a powerful 25° spray pattern for intense cleaning of larger areas. This nozzle should only be used a surface that can withstand the high pressure supplied by this nozzle.
 - d. **40° (White) Nozzle** – Delivers a less-powerful 40° spray pattern for a wide area of cleaning. This nozzle should be used for most general cleaning jobs.
 - e. **Spray (Black) Nozzle** – This nozzle is used to apply chemicals or cleaning solutions. It has the least powerful spray pattern. This nozzle should be used in unison with the provided chemical injector hose with chemicals.
2. Connect nozzle by inserting into tip of Spray Gun and pressing until it is locked in. (Refer to diagram below.)
3. To disconnect nozzle, slide brass fitting toward trigger of Spray Gun and pull nozzle out.



Operation of Pressure Washer

Pressure Washer Use Location:

		WARNING!
		Running pressure washer gives off carbon monoxide gas. It is odorless, colorless, and highly toxic. Breathing carbon monoxide gas can lead to fainting, nausea or may result in death.
<ul style="list-style-type: none">• Only operate pressure washer outdoors.• Prevent exhaust gas from entering, through windows doors or ventilation intakes, any confined areas.• DO NOT operate pressure washer inside any enclosed or roofed areas.		

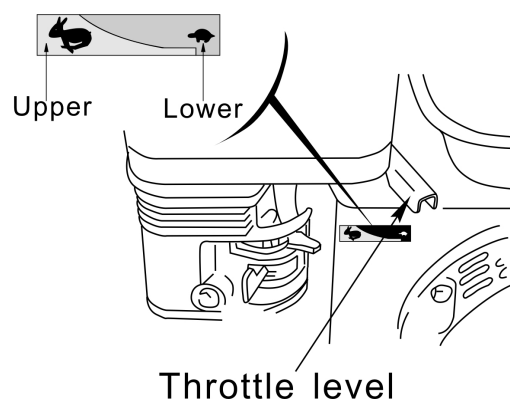
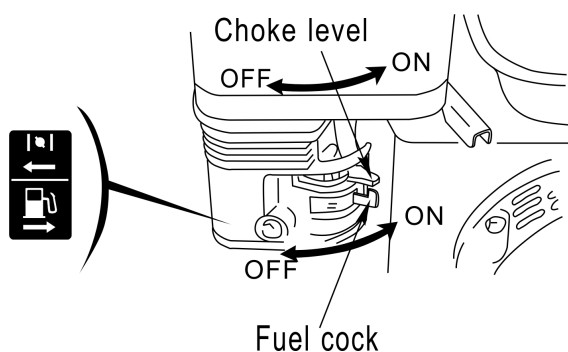
BEFORE OPERATING PRESSURE WASHER: Refer to Pre-Operating Instruction section for additional procedures and definitions.

1. Check pressure washer condition.
 - a. Inspect for signs of damage, oil or fuel leaks.
 - b. Remove excessive dirt and/or debris from the unit.
2. Check Inlet, Outlet, and Chemical Injection Hoses.
 - a. Inspect general condition of hoses to ensure hoses are in serviceable condition.
 - i. Outlet Hose must be constructed to withstand High-Pressure.
 - b. Ensure hoses and nozzles are securely installed.
3. Check the Engine.
 - a. Ensure proper engine oil amount.
 - b. Ensure air cleaner element is clean and installed.
 - c. Ensure proper fuel level amount.
4. Ensure pressure washer is on a level surface.
5. Ensure engine switch is in the "OFF" position.
6. Ensure water pump is at least 3ft (1m) away from building walls and other equipment during operation. Do NOT place flammable objects close to water pump.

Operation of Pressure Washer (continued)

STARTING THE ENGINE: Refer to the Controls and Features section for additional diagrams and definitions.

1. Depress the Spray Gun trigger.
2. Move the fuel cock to the "ON" position.
3. To start a cold engine, place the choke lever in the "OFF" position.
To restart a warm engine, leave the choke level in the "ON" position.
4. Move the throttle valve lever away from the "LOWER" position, about 1/3 of the way toward the "UPPER" position.
5. Place the throttle lever halfway between the "UPPER" and "LOWER" settings.
6. Place the engine switch to the "ON" position.
7. Pull the recoil starting handle lightly until resistance is felt, then pull briskly. Do NOT allow the starter handle to snap back against the engine. Return it gently to prevent damage to the starter.
8. After starting the engine, move the throttle lever to the "UPPER" position for self-priming.



PRESSURE WASHER OPERATION:



CAUTION:

- Avoid contact of high-pressure water exiting spray gun with humans or animals.
- Use proper nozzles and pressure setting to avoid damage of cleaning surface.

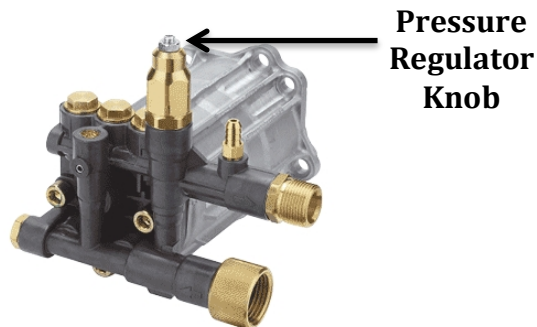
1. Point tip of spray gun toward cleaning surface and depress trigger.

Operation of Pressure Washer (continued)

ADJUSTING PRESSURE OUTPUT: The pressure setting is preset at time of manufacturing to provide optimum pressure and cleaning.

TO LOWER PRESSURE:

- Increase the distance between the Spray Gun and the surface being cleaned,
- Reduce the speed of the engine by moving the throttle lever toward the “LOWER” setting,
- Use the 40° (White) Nozzle, or
- Adjust the Pressure Regulator Knob on the pump. Turn counterclockwise to lower pressure output. After use, return the Pressure Regulator Knob to its original position.



STOPPING THE ENGINE: Refer to the Controls and Features section for additional diagrams and definitions.

IN EMERGENCY:

1. Turn the engine switch to the “OFF” position.
2. Turn the inlet water supply to the “OFF” position.

NORMAL PROCEDURE:

1. If the chemical injection hose was used with chemicals, allow pressure washer to operate for three (3) minutes while in-taking clean water through chemical injection hose.
2. Move the throttle valve lever to the “LOWER” position.
3. Turn the engine switch to the “OFF” position.
4. Turn the fuel cock to the “OFF” position.
5. Depress the spray gun trigger.

Transporting and Storing the Unit



CAUTION:

- To avoid fire, allow unit to cool down for at least twenty (20) minutes before transporting or storing the unit.
- Always transport and store the unit with the fuel cock in the “OFF” position.
- Always keep unit in horizontal position to the ground to prevent fuel from spilling. Spilled gasoline and gasoline vapor may ignite.
- Gasoline is extremely flammable and explosive.

STORING THE PRESSURE WASHER: Refer to the Controls and Features section for additional diagrams and definitions.

1. Ensure the storage site for the unit is clean and dry.

Before long term storage of your power equipment product, typically 30 days or more, perform the following:

2. Set the fuel cock (valve) to the “OFF” position.
3. Let the unit continue to run until it stops itself, burning all of the fuel in the fuel system.
4. Turn the ignition switch to the “OFF” position.
5. Drain the engine oil in accordance with the “Engine Oil Change Procedures” in this Owner’s Manual’s Maintenance section. Do NOT re-fill with oil until ready to use again.
6. Remove the Spark Plug in accordance with the “Spark Plug Maintenance” in the Owner’s Manual’s Maintenance section. Spray a lubricant, such as WD40®, into the Spark Plug hole to lubricate the top of the piston and walls of the cylinder. Replace the Spark Plug.
7. Pull starter rope until resistance is felt. This will place the valves in the closed position.
8. Add the recommended amount of fuel stabilizer, in accordance with the amount recommended by the manufacturer of the fuel stabilizer, to the unused gasoline left in the unit’s tank.
9. Place the unit in a clean, dry, and secure location.
10. Cover the unit to protect from dust.

Maintenance

MAINTENANCE SCHEDULE	
PROCEDURE	TIME
Engine Oil Check	Each Use
Replace Engine Oil	After Each 40 Hours of Use (For Initial Break in – After First (1 st) 10 Hours of Use
Air Cleaner Filter	Check Each Use/Replace As Needed or After Every 100 Hours of Use
Impeller Check	After 300 Hours of Use or After First Year
Air Cleaner Wash	When Needed
Spark Plug	When Needed
Valve Clearance	Check & Re-adjust annually or after 300 Hours of Use
Fuel Tank	Replace Every 3 Years Based on Condition

NOTE: Refer to Following Procedures for Proper Method to Perform Maintenance

ENGINE OIL CHANGE PROCEDURES:

Periodic Maintenance of your engine oil should be performed after each 40 hours of use of you Power Equipment Product. Check your engine oil level prior to each use.

1. Start your engine and let it warm up to get the oil warm and thinner. Remove the dipstick (Refer to Controls and Features section) by turning counter clockwise. Remove the oil drain plug (Refer to Controls and Features section) located below the dipstick utilizing the appropriate tools.

CAUTION: THE OIL MAY BE HOT.

2. Drain the engine oil into an approved receptacle and discard in accordance with all Federal and State Regulations. Never dump your used engine oil on the ground or into drains, only discard in an approved manner. Check with your local authorities to determine the regulations in your area.

WARNING! AVOID SPLASHING OF HOT OIL; IT CAN BURN YOU AND CAUSE SEVERE INJURY.

3. After oil is completely drained, replace oil drain plug and tighten with appropriate tools. Replace oil with the proper oil for your product. Refer to the Pre-Operating Instructions: Engine Oil Level Check section for exact fill requirements. Always use your dipstick to check the oil level and only fill to the full mark on the dipstick. Never overfill the engine, as this can cause damage to the unit and void warranty.

Maintenance (continued)

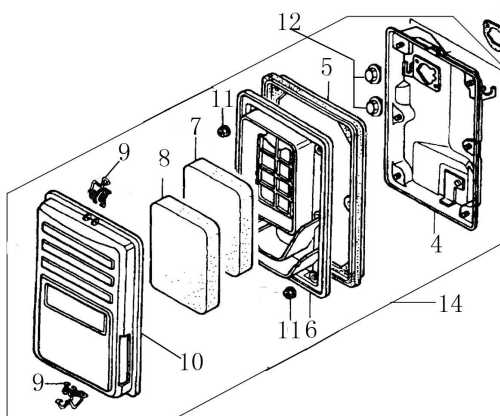
OIL CHANGE PROCEDURES (continued):

4. Replace the dipstick on your engine.

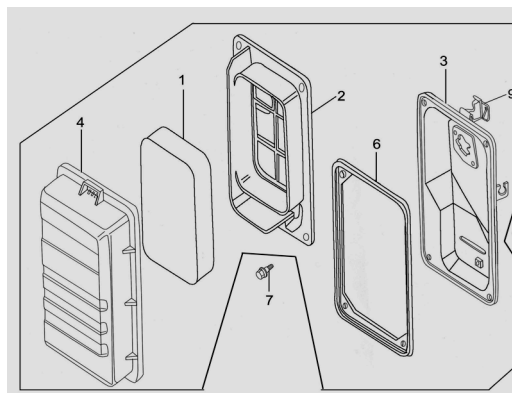
PROPER MAINTENANCE OF YOUR UNIT WILL INCREASE THE LIFE OF YOUR PRODUCT. THE OIL MUST BE CHANGED ON A REGULAR BASIS FOR PROPER OPERATION, AND RELIABILITY AND TO ALSO MAINTAIN YOUR WARRANTY ON THIS PRODUCT.

AIR CLEANER MAINTENANCE:

1. Remove the clip (item 9 in "Air Cleaner A" below) or the wing nut (item 7 in "Air Cleaner B" below) to remove and check the air filter element.
2. For Sponge Type Air Filters, wash with soap and water when contaminated. Squeeze excess liquid from air filter element, and allow the air filter element to dry.
For Paper Type Air Filters, replace with the correct Air Filter for your unit. They are available at your dealer or from LIFAN Power USA. Order your filter by calling toll free 866-471-7464.
3. Re-Install the air filter element into the air filter housing.



Air Cleaner A



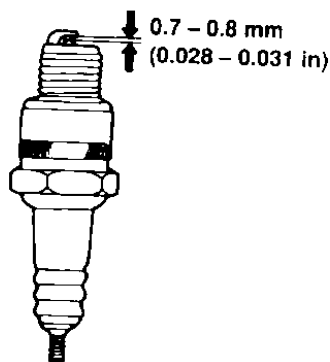
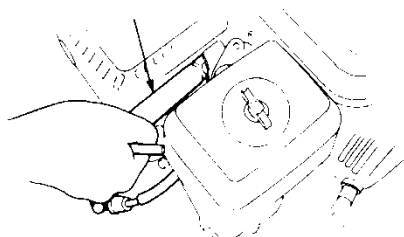
Air Cleaner B

Maintenance (continued)

SPARK PLUG MAINTENANCE:

1. Remove Spark Plug Cap.
2. Remove Spark Plug with socket and handle supplied with your unit.
3. Clean any carbon build-up around the Spark Plug.
4. Check the Spark Plug Gap and adjust if necessary. 0.028-0.031inch gap.
5. Lubricate the threads of the spark plug with anti-seize compound or engine oil.
6. Re-install the Spark Plug and Spark Plug Cap.

Spark Plug
Removal Tool



FUEL SYSTEM MAINTENANCE:

NOTE: Periodically you can get sediment or trash in your Carburetor Bowl. Use the following procedures to clean:

1. Turn the fuel cock (valve) to the "OFF" Position.
2. Remove the carburetor bowl by removing the mounting bolt located at the bottom of the bowl.
3. Dump out the old fuel and sediment into an approved container
4. Clean carburetor bowl thoroughly.
5. Fit a new rubber washer into place and re-attach fuel bowl to the carburetor.

NOTE: Removal of the drain screw at the bottom of the bowl can drain the fuel to remove smaller debris that has collected in the bowl.

6. After bowl is securely back in place, turn the fuel cock (valve) to the "ON" position for use.
7. Units equipped with a pre-filter for fuel will have a filter housed just below the fuel cock. Remove the fuel filter element (refer to "Fuel Filter Element Removal") and clean or replace.

Maintenance (continued)

FUEL SYSTEM MAINTENANCE (continued):

diagram below) and either clean or replace the fuel filter element. Re-assemble the fuel filter element (refer to “Fuel Filter Element Assembly” diagram below.)



Fuel Filter Element Removal



Fuel Filter Element Assembly

ANNOVI REVERBERI AXIAL CAM PUMP:

Unit undergoes extensive testing at the time of manufacturing. Lifetime oil is installed in pump and pump is sealed. Pump oil will NOT have to be checked or changed. Pump under warranty by manufacturer. Refer to Warranty Policy for details.

USAGE IN HIGH ALTITUDE REGIONS:

In regions with high altitude, the standard carburetor produces overly dense combinations of fuel and air, which result in decreased engine performance and increased fuel consumption. To maintain high engine performance at high altitudes, install a high altitude carburetor main spray nozzle and re-adjust the adjusting screw for idle speed. For usage in regions with an altitude of over 4,527ft (1380m), contact your dealer to replace the standard carburetor and make needed adjustments in advance. Even with a proper high altitude carburetor spray nozzle installed in the engine, the power output of the engine will drop about 3.5% with every 1000ft (305m) increase in altitude. If the standard carburetor jets are not replaced and adjusted for usage in high altitude, the increased altitude effect will be even more severe.

NOTE: Usage of the water pump in regions with lower altitude than the high altitude carburetor spray nozzle is applicable, may result in decrease of engine performance. The engine may become overheated and over-lean combination of fuel and air produced, may cause severe damage to the engine.

Troubleshooting

IF THE ENGINE WILL NOT START:

1. Check to ensure switches are in the “ON” position.
2. Check engine oil level. The unit possesses a Low Oil Shutdown feature that will not allow your engine to start if the oil is below safe operating levels. This feature is installed to increase the life of your engine and prevent engine damage. If oil level is low, fill to the full mark on dipstick. Refer to the Pre-Operating Instructions: Engine Oil Check section for exact oil type and amounts.
3. Check the fuel level to insure adequate fuel. Add fuel if necessary.
4. Remove and inspect the spark plug for cleanliness and proper electrode gap. If needed, clean or replace the spark plug. Refer to Spark Plug Maintenance in the Maintenance section of the Owner’s Manual for proper procedure.
5. If the unit will still NOT start after performing the above checks, call our customer hotline at LIFAN Power USA Toll Free 1-866-471-7464 or take the unit to an authorized Service Center.

NOTE: Periodically on the initial start-up or after the unit has been stored for a long period of time, the float for your “Low Oil Shutdown” system will stick to the bottom of the oil pan. Locate the two (2) wires to the Low Oil Sensor Diode (figure “Low Oil Sensor Diode” to the right) located on the side of the engine block. Unplug these wires and, **only after ensuring the engine is full of oil**, start the engine and allow to run until warm (normally 20 minutes, as this will heat the oil and release the float on the Low Oil Shutdown System). Then re-plug the wires to the terminals on the Low Oil Shutdown Sending Unit.



IF WATER IS LEAKING:

- Ensure Outlet Hose is securely tightened.
- Ensure Inlet Hose nut is securely tightened.
- Call dealer for repair if pump housing is cracked.

IF ABNORMAL NOISE FROM PUMP HOUSING:

- No water inside pump – Ensure Inlet Hose is connected and supplying water to pump.

IF NO WATER EXITING FROM SPRAY WAND:

- Ensure Inlet Hose is NOT clogged.

Pressure Washer Safety

1. **Never operate a gasoline engine powered product in any enclosed spaces, as they product deadly Carbon Monoxide Poisonous Gases.**
2. **Do NOT operate your power equipment in inclement weather such as rain, snow, and/or sleet.**
3. **Do NOT operate your power equipment within five (5) feet of any flammable materials.**
4. **When refueling your power equipment never smoke or refuel near any flame or ignition devices. Never refuel while the unit is running. If during the refueling process some fuel is spilled, always completely clean the fuel and allow sufficient drying time prior to re-starting your unit. Gasoline vapors ignite easily and are very dangerous.**
5. **NEVER ALLOW CHILDREN OR ANIMALS TO BE NEAR THIS EQUIPMENT DURING OPERATION. ONLY QUALIFIED PERSONS SHOULD OPERATE THIS EQUIPMENT. PLEASE FOLLOW ALL GUIDELINES CONTAINED IN THIS OWNER'S MANUAL FOR THE SAFE OPERATION OF THIS EQUIPMENT.**




Limited Warranty Policy



This warranty is limited to the following LIFAN Power and Storm Series products that are distributed by the EquipSource LLC, dba LIFAN Power USA, located at 2205 Industrial Park Road, Van Buren, AR 72956. Effective 04/25/2010

LENGTH OF WARRANTY				
Products Covered	Residential Use ²			Commercial/Rental ³
	Year 1	Year 2	Year 3	Warranty NOT to exceed 300 hours or terms listed below:
Walk Behind Mowers	Full Unit: Parts & Labor	Full Unit: Parts Only	Engine: Parts Only	Full Unit: 3 Months Parts & Labor
Water Pumps	Full Unit: Parts & Labor	Full Unit: Parts Only	Engine: Parts Only	Full Unit: 12 Months Parts & Labor
Generators/Inverter Generators	Full Unit: Parts & Labor	Full Unit: Parts Only	Engine: Parts Only	Full Unit: 12 Months Parts & Labor
Pressure Washer Engines	Full Unit: Parts & Labor	Full Unit: Parts Only	Engine: Parts Only	Full Unit: 12 Months Parts & Labor
Pressure Washer Pumps ¹	Full Unit: Parts & Labor	N/A	N/A	Full Unit: 12 Months Parts & Labor
Gasoline Engines	Full Unit: Parts & Labor	Full Unit: Parts Only	Engine: Parts Only	Full Unit: 12 Months Parts & Labor
Gasoline Powered Welders	Full Unit: Parts & Labor	Full Unit: Parts Only	Engine: Parts Only	Full Unit: 6 Months Parts & Labor

Pressure Washer Pumps¹ - All LIFAN Pressure Pro™ and Storm Series Pressure Storm™ pressure washers are equipped with Annovi Reverbi  high pressure water pumps, which are warranted by the manufacturer's One (1) Year Limited Warranty. Visit www.lifanpowerusa.com for details.

Residential Use² - Residential Use is defined as items that are for personal use.

Commercial/Rental³ - Commercial or Rental use is defined as any usage for income producing or other business related uses.

In order to qualify for the limited warranty, the product(s) must be purchased in North America from an authorized EquipSource, LLC dealer, or a dealer authorized by EquipSource, LLC to sell LIFAN products. This warranty is non-transferable and applies only to the original purchaser. The supplied "Warranty Registration Card" must be completed and on file with EquipSource, LLC (at the supplied address), at the time that any warranty claim is made. The "Warranty Registration Card" must be submitted with a receipt of purchase, which clearly states the date of purchase.

During the warranty period (stated above), EquipSource, LLC will repair or replace, at its option, any part that is proven to be defective in material or workmanship under normal usage. Repairs and/or replacement will be made without charge for parts or labor. All parts found to be defective must be returned to EquipSource, LLC. Upon reception of the parts, a judgement as to the validity of the warranty claim will be determined. All parts replaced under warranty will be considered part of the original product and any warranty on those parts will coincide with the original warranty.

To obtain warranty service, you must take the product, at your expense, to an authorized LIFAN Power Products or Storm Series Power Products service center. If you are unable to locate warranty service or are dissatisfied with the warranty service that you receive, contact EquipSource, LLC at 866-471-7464. At EquipSource's discretion, EquipSource, LLC may elect to replace a defective unit. In this case, the end user is responsible for all shipping and handling charges associated with the exchange.

This warranty is not valid for products or parts affected or damaged by accident, collision, normal wear, fuel contamination, abuse, neglect, misuse, alteration, unsuitable use, and/or unauthorized parts replacement. Mower decks and blades are specifically not warranted for impact or abrasive damage. Warranty becomes void if the customer fails to install, maintain, and/or operate this product in accordance with the instructions and recommended actions of LIFAN set forth in the owner's manual. EquipSource, LLC disclaims any responsibility for time loss or loss of usage of the product, transportation, commercial loss, or any other incidental or consequential damage. Prior to any warranty service an approval code must be issued to the service center in order for the warranty claim to be valid. Any implied warranties are limited to the duration of this written limited warranty. This warranty gives you specific legal rights, and you may also have other rights, which may vary from state to state.

Exclusions to Warranty:

- Failure to perform "Periodic Maintenance" as required and specified in the supplied "Owner's Manual."
- Improper repair of product or replacement of parts with non-OEM (Original Equipment Manufacturer) parts.
- Operation in uses and methods other than those outlined in the "Owner's Manual."
- Service and/or repairs performed by anyone other than an "Authorized LIFAN or Storm Series Products Service Center."

More Information Available on our website: www.lifanpowerusa.com EquipSource, LLC

2010 Revised 04/25/2010



**Please Read this Owner's Manual Carefully Before Operating
Your New Water Pump.**

**This Owner's Manual includes the operation and maintenance of
the PS2040, PS2040-CA, PS25555, PS25555-CA, PS2765, and
PS2765-CA.**

Thank you for purchasing our Pro Series Water Pump!

**All information in this publication is based on the latest product information available
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the written consent of EquipSource, LLC. This manual should be considered a
permanent part of the generator and should remain with it if is resold.**

**For Product Support and Service Please Visit Us at
www.lifanpowerusa.com or Call Toll Free 1-866-471-7464**

