

SDHW

Military Model

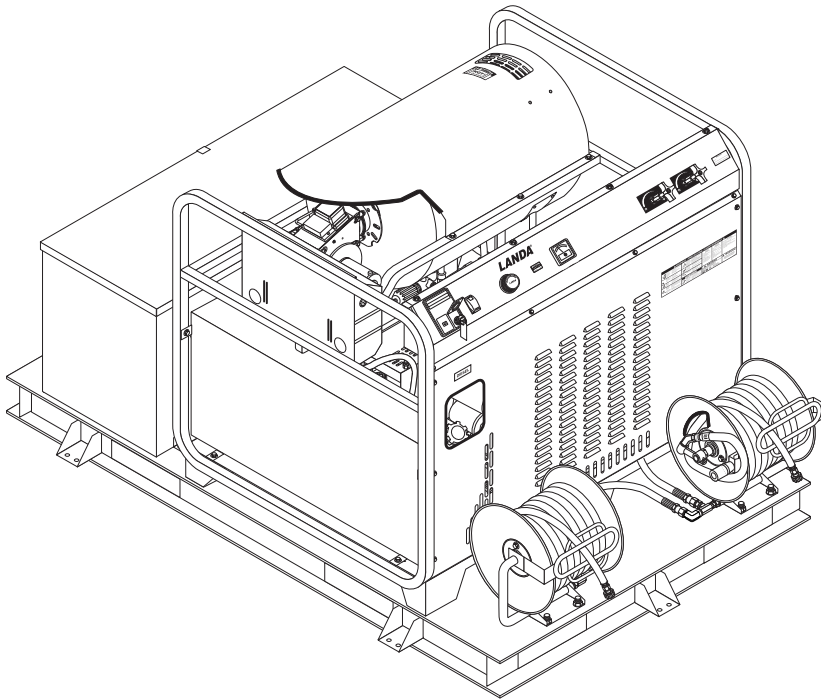
Hot Water - Skid Mounted-Diesel-Powered -
Diesel/Oil-Heated

LANDA®

Operator's Manual

Pressure Washer

MODELS: SDHW6-35824E/M
(Black) 1.110-516.0
SDHW6-35824E/MT
(Tan) 1.110-560.0



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8.913-958.0-AC 01/26/23

Machine Data Label

Model: _____

Date of Purchase: _____

Serial Number: _____

Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

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Important Safety Instructions



WARNING: To reduce the risk of injury, read operating instructions carefully before using.

AVERTISSEMENT: Pour réduire le risque de blessures, lire attentivement les instructions de fonctionnement avant l'utilisation.

1. Read the owner's manual thoroughly. Failure to follow instructions could cause a malfunction of the machine and result in death, serious bodily injury and/or property damage.
2. Know how to stop the machine and bleed pressures quickly. Be thoroughly familiar with the controls.
3. Stay alert — watch what you are doing.
4. All installations must comply with local codes. Contact your electrician, plumber, utility company or the selling dealer for specific details.



DANGER: Risk of asphyxiation. Use this product only in a well ventilated area.

Running this product indoors can result in death due to carbon monoxide, a poisonous gas you cannot see or smell. Only use outdoors and far away from windows, doors, and openings or vents.

DANGER: Risque d'asphyxie. Utiliser ce produit uniquement dans un endroit bien ventilé. L'utilisation de ce produit à l'intérieur peut causer la mort par monoxyde de carbone, un gaz toxique incolore et inodore. Utiliser uniquement à l'extérieur et à l'écart des fenêtres, des portes et des ouvertures ou fentes de ventilation.

5. Avoid installing machines in small areas or near exhaust fans. Exhaust contains poisonous carbon monoxide gas; exposure may cause loss of consciousness and may lead to death. It also contains chemicals known, in certain quantities, to cause cancer, birth defects, or other reproductive harm.



WARNING: Flammable liquids can create fumes which can ignite causing property damage or severe injury.

AVERTISSEMENT: Des liquides inflammables peuvent produire des vapeurs qui peuvent s'enflammer, causant ainsi des dommages à la propriété ou des blessures graves.

CAUTION: Risk of fire. Do not add fuel when the product is operating.

ATTENTION: Risque d'incendie - Ne pas ajouter de carburant pendant que la machine fonctionne.

6. Allow engine to cool for 2 minutes before refueling. If any fuel is spilled, make sure the area is dry before testing the spark plug or starting the engine. (Fire and/or explosion may occur if this is not done.) In an overfilling situation, additional precautions are necessary to ensure that the situation is handled in a safe manner.

WARNING: Risk of explosion — do not spray flammable liquids.

AVERTISSEMENT: Risque d'explosion — Ne pas pulvériser de liquides inflammables.

7. Do not place machine near flammable objects as the engine is hot.



WARNING: High pressure stream of fluid that this equipment can produce can pierce skin and its underlying tissues, leading to serious injury and possible amputation.

AVERTISSEMENT: Le jet d'eau haute pression produit par cet équipement peut percer la peau et ses tissus sous-jacents, causant ainsi des blessures graves et possiblement une amputation.

8. High pressure developed by these machines will cause personal injury or equipment damage. Use caution when operating. Do not direct discharge stream at people or severe injury or death will result.



WARNING: High pressure spray can cause paint chips or other particles to become airborne and fly at high speeds.

AVERTISSEMENT: Un jet haute pression peut écailler la peinture ou provoquer l'émission d'autres particules dans l'air et leur projection à hautes vitesses.

9. Always wear properly rated eye protection such as safety goggles or face shield while spraying. **(Safety glasses do not provide full protection.)**
10. Never make adjustments on machine while in operation.



CAUTION: Hot discharge fluid. Do not touch or direct stream at persons or animals.

ATTENTION: Ne pas toucher ou décharger directement le jet vers des personnes ou des animaux.

WARNING: Spray gun kicks back. Hold with both hands.

AVERTISSEMENT: Le pistolet pulvérisateur peut présenter un risque de retour; le tenir avec les deux mains.

11. Grip cleaning wand securely with both hands before starting the cleaner. Failure to do this could result in injury from a whipping wand.
12. Machines with spray gun should not be operated with the spray gun in the off position for extensive periods of time as this may cause damage to the pump.
13. The best insurance against an accident is precaution and knowledge of the machine.
14. Landa will not be liable for any changes made to our standard machines, or any components not purchased from Landa.



DANGER: Keep wand, hose, and water spray away from electric wiring or fatal electric shock may result.

DANGER: Garder la lance, le boyau et le jet d'eau à l'écart de tout câblage électrique ou des chocs électriques mortels pourraient survenir.

15. Read engine safety instructions provided.
16. Never run pump dry or leave spray gun closed longer than 5 minutes.
17. To reduce the risk of injury, close supervision is necessary when machine is used near children. Do not allow children to operate the pressure washer at any time. **This machine must be attended during operation.**
18. Use ultra low sulfur diesel fuel only. **NEVER** use gasoline in your fuel oil tank. Gasoline is more combustible than fuel oil and could result in a serious explosion. **NEVER** use crankcase or waste oil in your burner. Fuel unit malfunction could result from contamination.
19. Do not confuse gasoline and diesel tanks. Keep proper fuel in proper tank.
20. Protect machine from freezing.
21. Be certain all quick coupler fittings are secured before using pressure washer.
22. Do not allow acids, caustic, or abrasive fluids to pass through the pump.
23. Inlet supply water must be cold and clean fresh water.
24. Do not operate this product when fatigued or under the influence of alcohol or drugs. Keep operating area clear of all persons.
25. Protect discharge hose from vehicle traffic and sharp objects.
26. Before disconnecting discharge hose from water outlet, turn burner off and open spray gun to allow water to cool below 100° before stopping the machine. Then open the spray gun to relieve pressure. Failure to properly cool down or maintain the heating coil may result in a steam explosion.
27. Do not overreach or stand on unstable support. Keep good footing and balance at all times.

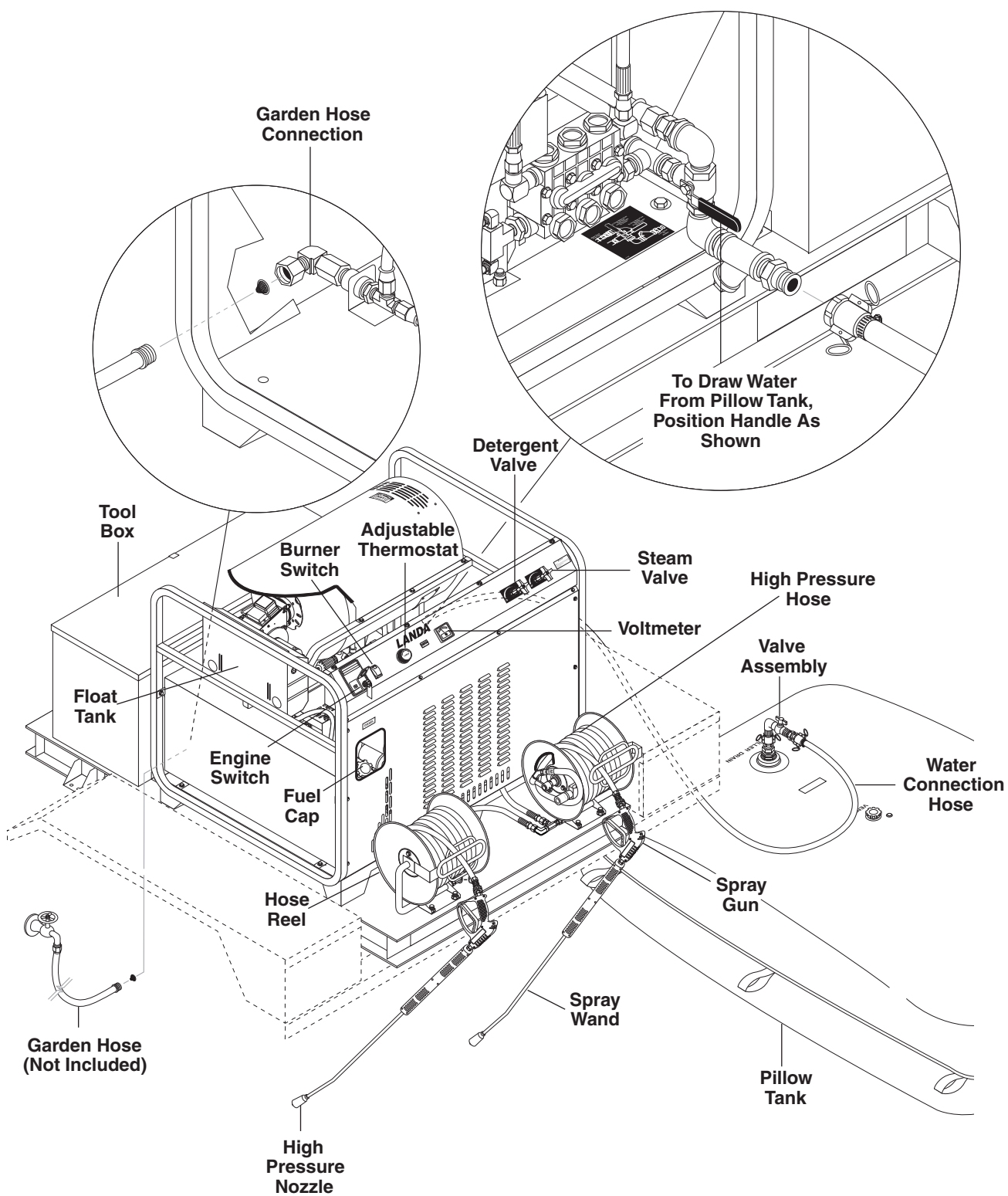
Pre-operation Check

- Pump oil (SAE 10W-40 non-foaming oil)
- Hose, wand, nozzles (nozzle sizes per serial plate)
- Water filter (intact, non restrictive)
- Engine Oil (15W - 40 CD/SE)
- Engine/Burner fuel - ultra low sulfur diesel

Set-up Procedures

1. Attach a 3/4" water supply hose to garden hose connector. Minimum flow should be 6 gpm. Or, connect hose between pressure washer and water filled pillow tank as shown on page 5.
2. Attach high pressure hose to shut-off gun nipple using screw coupler. Lock coupler securely into place.
3. When connecting pressure washer to pillow tank, prefill connection hose with water. This will assist the pump to draw water quicker. A dry pump is hard to prime.
4. Attach swivel connector on discharge hose to spray gun using teflon tape on threads.
5. Check oil level on sight glass on rear of pump. Oil should be visible half way up sight glass (SAE 10W-40 non-detergent).
6. Check engine oil.
7. Fill diesel fuel tank.
8. Install proper battery making sure that the red cable is attached to the positive terminal. Use only a group 24 battery with a 90 amp hour rating.
9. Adding exhaust vent pipe to your oil fired burner is not recommended because it restricts air flow. This causes carbon build-up, which affects the operation, and increases maintenance on the coil. If a stack must be used, refrain from using 90 degree bends. If the pipe can not go straight up then use only 45 degree bends and go the next size pipe. The overall pipe length must not exceed 6 feet in length.
10. These machines are intended to be protected from the outside environment.

Component Identification



Operations

Operating & Shut Down Procedures

Operating Instructions

1. Read engine warning and operating instructions.
2. Turn on water at faucet to fill float tank. If needed, adjust float ball in tank.
3. Read engine manual. The keyed ignition is located on the control panel. A STOP/START lever is not needed — simply turn key to first position. Glow plug light will illuminate. When light goes out, turn key to start (second) position.
4. Pull trigger on spray gun allowing water to flow until all air has discharged from system. Check for water leaks; tighten as needed.
5. With spray nozzle pointed away from you or anybody else, press trigger on spray gun to obtain pressurized cold water spray.
6. For hot water, turn the burner switch to ON and adjust thermostat when a steady stream of water flows out of the spray gun. Burner will now light automatically.
7. **NOTE:** Do not start machine with burner switch on.
8. To apply detergent, place detergent pick-up tube into a container of detergent and turn the detergent valve counterclockwise.
9. For steam, open the steam valve counterclockwise to lower the pressure and raise the temperature.

General Washing Techniques

1. Hold spray nozzle approximately one foot from the surface being cleaned. Spray at an angle to get under the material and lift it off.
2. When washing large objects, use detergent injector to apply detergent. Start washing from the bottom and work up. Better detergent economy and faster results will be obtained by allowing the detergent to set 5-10 minutes. After washing, rinse from the top down.
3. Cleaning heavy dirt or material away with a hard stream of clear water is recommended before using a cleaning agent.

Shut Down Procedures

1. Rinse all lines with clean water, to remove any soap residue.
2. Turn burner switch off and continue spraying, allowing the water to cool below 100°.
3. Turn key to OFF to shut off engine.
4. Open spray gun to relieve remaining pressure.
5. Remove water supply hose.
6. In freezing conditions, disconnect water supply and open spray gun to allow water to drain, then turn off engine. See winterizing procedure under Maintenance and Service.

CAUTION: Do not allow pump to run longer than 5 minutes without water. Disconnect all hoses to allow water to drain.

With machine off, open spray gun to release pressure before removing discharge hose.

ATTENTION: Ne pas laisser la pompe fonctionner pendant plus de 5 minutes sans eau. Débrancher tous les boyaux pour permettre l'évacuation de l'eau.

Avec la machine hors tension, ouvrir le pistolet pulvérisateur pour relâcher la pression avant de retirer le tuyau de refoulement.

Preventative Maintenance

1. Check to see that water pump is properly lubricated.
2. Follow Winterizing Procedures to prevent freeze damage to pump and coils.
3. Always neutralize and flush detergent from system after use.
4. If water is known to be high in mineral content, use a water softener on your water system, or de-scale as needed.
5. Do not allow acidic, caustic or abrasive fluids to be pumped through system.
6. Always use high grade quality Landa cleaning products.
7. Never run pump dry for extended periods of time.
8. Use clean diesel fuel. Replace fuel filter every 100 hours of operation. Avoid water contaminated fuel as it will seize up the fuel pump.
9. If burner combustion is operated with smoky or eye burning exhaust, the coils will soot up and not let water reach maximum operating temperature. (See section on Burner Adjustments.)
10. Never allow water to be sprayed on or near the engine or burner assembly or any electrical component.
11. Periodically de-scale coils as per instructions.
12. Check to see that engine is properly lubricated.

It is advisable, periodically, to visually inspect the burner. Check air inlet to make sure it is not clogged or blocked. Wipe off any oil spills and keep this equipment clean and dry.

The area around the Landa washer should be kept clean and free of combustible materials, gasoline and other flammable vapors and liquids.

The flow of combustion and ventilating air to the burner must not be blocked or obstructed in any manner.

Unloader Valves

Unloader valves relieve pressure in the line when the spray gun is closed. Unloader valves are preset and tested at the factory before shipping. Occasional adjustment of the unloader may be necessary to maintain correct pressure.

Winterizing Procedure

Damage due to freezing is not covered by warranty. Adhere to the following cold weather procedures whenever the washer must be stored or operated outdoors under freezing conditions.

During winter months, when temperatures drop below 40°F, protecting your machine against freezing is necessary. Store the machine in a heated room. If this is not possible, then mix a 50/50 solution of anti-freeze and water in the float tank. If compressed air is available, screw an air fitting into the anchor connector beneath the 1/2" basket strainer inside the float tank. By injecting compressed air, all water will be blown out of the system.

Adjustable Thermostat

For safety, each machine is equipped with an adjustable thermostat. In the event that the temperature of the water should exceed its operating temperature, the thermostat will turn the burner off until the water cools.

Pumps

Use only SAE 10W-40 weight non-foaming oil. Change oil after first 50 hours of use. Thereafter, change oil every year or at 500 hour intervals. Oil level should be checked using dipstick found on top of pump or by checking red dot visible through oil gauge window. Oil should be maintained at that level.

Cleaning of Coils

In alkaline water areas, lime deposits can accumulate rapidly inside coil pipes. This growth is increased by extreme heat build up in the coil. The best prevention for liming conditions is to use high quality cleaning chemicals. In areas where alkaline water is an extreme problem, periodic use of Landa Coil Descaler (part #8.914-296.0) will remove lime and other deposits before the coil becomes plugged.

Periodic descaling of heating coils is recommended so please consult your local Landa Dealer for instructions.

Removal of Soot from Heating Coil

In the heating process, fuel residue in the form of soot deposits, may develop between the heating coil pipes and may block air flow which affects burner combustion. When soot has been detected on visual observation, the soot on the coil must be washed off after following the coil removal steps (See Coil Removal page).

Rupture Disk

If pressure from pump or thermal expansion should exceed safe limits, the rupture disk will burst allowing high pressure to be discharged through hose to ground. When disk ruptures it will need to be replaced. Rupture Disk should be replaced every two years.

Fuel

Use clean diesel fuel that is not contaminated with water and debris. Replace fuel filter and drain tank every 100 hours of operation.

NEVER use gasoline in your burner or diesel fuel tank. Gasoline is more combustible than fuel oil and could result in a serious explosion. **NEVER** use crankcase or waste oil. Fuel burner and diesel engine malfunction could result from contamination in fuel.

All combustion system designs are geared toward the use of commercial grade diesel fuels. As such, use of fuels other than those designated "DF", i.e. DF2 (No. 2 Diesel Fuel), will result in degradation of performance and/or reduction in component life. It is understood that applications in certain situations require the use of fuels other than No. 2 diesel fuel. Below is a list of various fuels and comments pertaining to each.

Fuel Grade/Type Comments

No. 2 Diesel Fuel (DF2) Recommended fuel type for normal ambient operation.

No. 1 Diesel Fuel (DF1) Recommended fuel type for cold weather operation in ambients which would result in DF2 "waxing" No degradation in performance or engine/component life.

No. 1 Diesel Fuel (DF1) Not recommended. JP 4 should be used only in emergency situations. JP 4 severely reduces engine life and potential power due to the lack of lubricity as compared to DF2.

JP 8 Turbine Fuel 5-12% reduction in power and up to 30% reduction in fuel system component and upper cylinder life.

JP 5 Turbine Fuel Refer to JP 8 DF A Arctic Acceptable fuel for use in subzero ambients only.

Component failure that can be directly attributed to the use of fuels other than diesel fuel (DF2/DF1) cannot

Fuel Control System

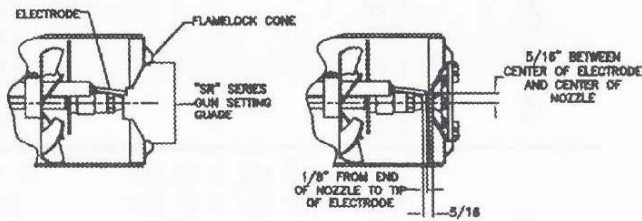
This machine utilizes a fuel solenoid valve located on the fuel pump to control the flow of fuel to the combustion chamber. The solenoid, which is normally closed, is activated by a flow switch when water is flowing through it. When an operator releases the trigger on the spray gun, the flow of water through the flow switch stops, turning off the electrical current to the fuel solenoid.

The solenoid then closes, shutting off the supply of fuel to the combustion chamber. Controlling the flow of fuel in this way gives an instantaneous burn-or-no-burn situation, thereby eliminating high and low water temperatures, and combustion smoke normally associated with machines incorporating a shut-off spray gun. Periodic inspection to insure that the fuel solenoid valve functions properly is recommended. This can be done by operating the machine and checking to see that when the spray gun is in the off position, the burner is not firing.

Maintenance

Electrode Setting

Gun Setting Instructions For EHASR Only



Periodically Check Wiring Connections. If Necessary To Adjust Electrodes, Use Diagram.

Fuel Pressure Adjustment

To adjust fuel pressure, First install a pressure gage into the port just after the pump fuel exit. Turn the adjusting screw (located at the regulator port) clockwise to increase, and counterclockwise to decrease. Do not exceed 200 psi or lower the pressure below 130 PSI, when checked at the post-pump pressure port.

The fuel pressure may need to be adjusted due to altitude. For every 500 ft altitude above sea level, the boiling point of water goes down 1 °F. At high altitude environments, this boiling point change may require the heat input to be lowered so the water input does not turn to steam earlier than at the factory settings and activate the pressure sensors and pressure relief equipment when the unit is operated and much higher altitudes from factory settings or local dealer site settings. Check with your dealer before making local site fuel pressure adjustments.

Also, as ambient temperature changes seasonally, the fuel temperature in the feed tank and air temperature inlet can impact fuel flow. In more extreme temperatures, this local-site adjustment may also require different fuel nozzles for fuel inlet temperatures that are at seasonal extremes (higher or lower) in locations where the temperature changes are beyond moderate temperatures of between 40°F and 90°F. Colder temperatures will make for a thicker flow and less fine a fuel spray while hotter temperatures will make for a thinner flow a more fine spray with the same nozzle. Consider alternate nozzle configurations from the baseline factory-supplied nozzle for operating in such temperature extremes if performance is not meeting needs with air band and fuel pressure settings alone.

NOTE: When changing fuel pump, a by-pass plug must be installed in return line port or fuel pump will not prime.

Burner Nozzle

Keep tip free of surface deposits by wiping it with a clean, solvent-saturated cloth, being careful not to plug or enlarge nozzle. For maximum efficiency, replace nozzle each season.

Burner Air Adjustment

The oil burner on this machine is preset for operation at altitudes below 500 feet. If operated at higher altitudes, it may be necessary to adjust the air band for a #1 or #2 smoke spot on the Bacharach scale.

To adjust, start machine and turn burner ON. Loosen two locking screws found on the air band and close air band until black smoke appears from burner exhaust vent. Note air band position. Next, slowly open the air band until white smoke just starts to appear. Turn air band halfway back to the previously noted position. Tighten locking screws.

For higher altitudes, the air band opening may need to be increased; for lower altitude, the air band may need to be decreased.

For higher humidity, the air band opening may need to be increased; for lower relative humidity, the air band may need to be decreased.

For higher ambient temperatures the air band opening may need to be increased; for lower ambient temperatures, the air band opening may need to be decreased.

Adjust to your operating location's environment as-needed for best smoke spot and performance compliant with local, state, and federal regulations.

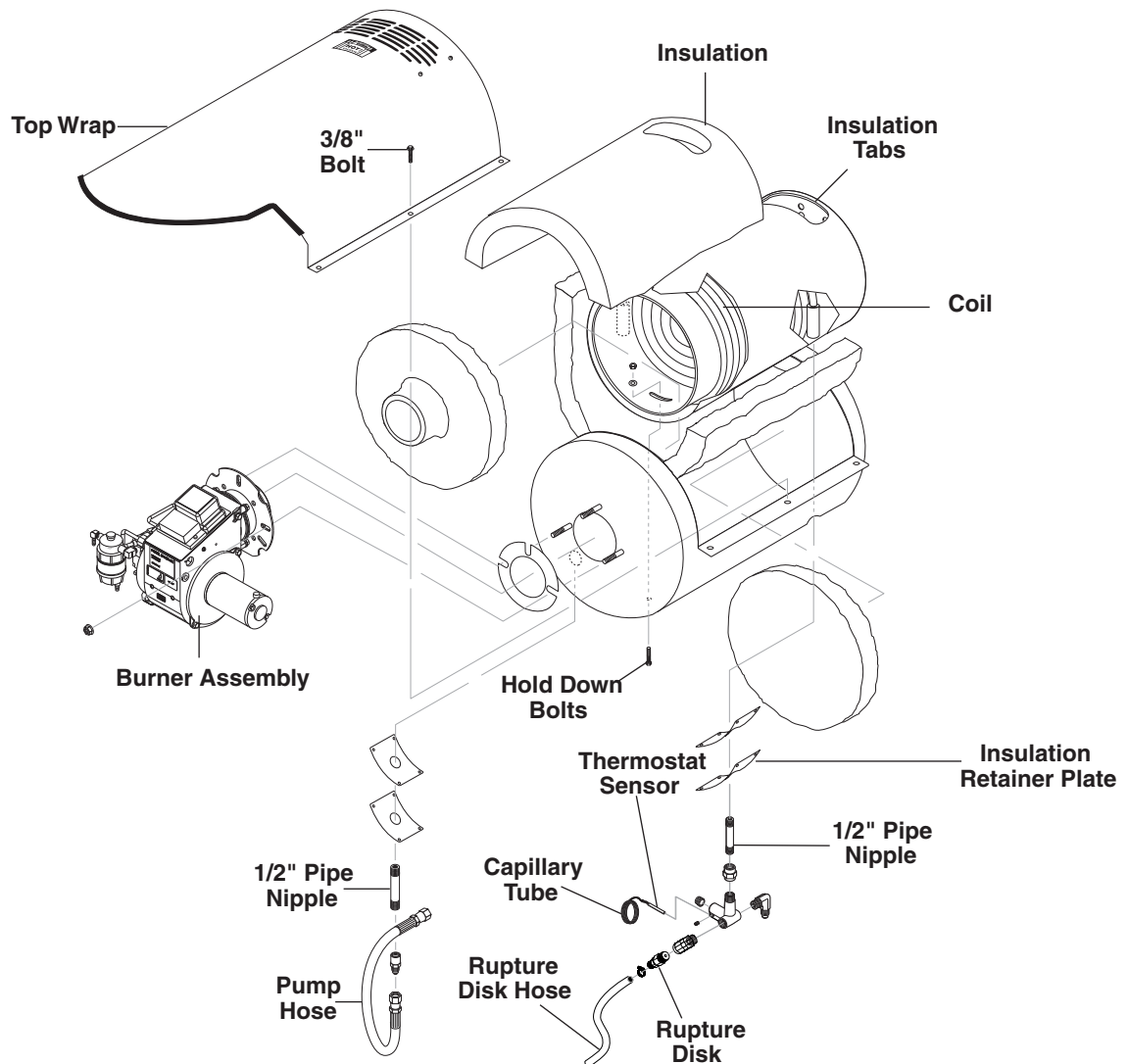
NOTE: If a flue is installed, have a professional serviceman adjust your burner for a #1 or #2 smoke spot on the Bacharach scale.

For additional burner component information, see Burner Assembly Exploded View page. It is recommended that the oil burner be serviced yearly or as needed. Contact your local service center.

Surefire Burner Air Adjustment

To adjust, start machine and turn burner ON. Loosen two locking screws found on the air band and close air band until black smoke appears from burner exhaust vent. Note air band position. Next, slowly open the air band until white smoke just starts to appear. Turn air band halfway back to the previously noted position. Tighten locking screws.

Coil Removal



Removal of the coil, because of freeze breakage or to clean soot from it, can be done quickly and easily.

1. Disconnect hose from pump to inlet side of the coil.
2. Disconnect electrical connection to the thermostat.
3. Remove quick coupler from discharge side of coil.
4. Remove burner assembly from combustion chamber.
5. Remove the three 3/8" bolts from each side of coil and tank assembly (these bolts are used to fasten tank to chassis).

6. Disconnect 1/2" pipe nipples from inlet and discharge side of coil.
7. Remove top tank wrap exposing insulation and coil and fold back insulation.
8. Remove bolts that hold down coil to bottom wrap.
9. Remove coil.
10. Replace or repair any insulation found to be torn or broken.

Coil Reinstallation

11. Reinstall new or cleaned coil reversing Steps 9 through 1.

Maintenance

Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
LOW OPERATING PRESSURE	Faulty pressure gauge	Install new gauge.
	Insufficient water supply	Use larger supply hose; clean filter at water inlet and at bottom of float tank.
	Old, worn or incorrect spray nozzle	Match nozzle number to machine and/or replace with new nozzle.
	Belt slippage	Tighten or replace; use correct belt.
	Plumbing or hose leak	Check plumbing system for leaks. Retape leaks with teflon tape.
	Faulty or misadjusted unloader valve	Adjust unloader for proper pressure.
	Worn packing in pump	Call local Landa Dealer.
	Fouled or dirty inlet or discharge valves in pump	Clean inlet and discharge valves.
	Worn inlet or discharge valves	Call local Landa Dealer.
	Obstruction in spray nozzle	Remove obstruction.
	Leaking pressure steam valve	Replace as needed.
	Slow engine RPM	Set engine speed at proper specifications. See serial plate.
BURNER WILL NOT LIGHT	Little or no fuel	Fill tank with fuel.
	Improper fuel or water in fuel	Drain fuel tank and fill with proper fuel.
	Clogged fuel line	Clean or replace.
	Plugged fuel filter	Replace as needed.
	Misadjusted burner air bands	Readjust air bands for clean burn.
	Little or no fuel pressure from fuel pump	Increase fuel pressure to specification and/or replace fuel pump.
	Faulty burner transformer	Test transformer for proper arc between contacts. Replace as needed.
	Disconnected or short in electrical wiring	All wire contacts should be clean and tight. No breaks in wire.
	Flex coupling slipping on fuel pump shaft or burner motor shaft	Replace if needed.
	On-Off burner switch defective	Check for electrical current reaching burner assembly with burner switch on.
	Heavy sooting on coil and burner can cause interruption of air flow and shorting of electrodes	Clean as required.
	Improper electrode setting	Check and reset electrodes.
	Fuel not reaching combustion chamber	Check fuel pump for proper flow. Check fuel solenoid and flow switch. Call Landa Dealer.
	Clogged burner nozzle	Replace.
	Thermostat faulty or slow engine speed	Increase engine RPM to increase voltage.
	Flow switch malfunction	Remove, test for continuity and replace as needed.
Fuel solenoid malfunction	Replace if needed.	
(For parts and information, call your Landa Dealer)		

PROBLEM	POSSIBLE CAUSE	SOLUTION
MACHINE SMOKES WHILE BURNER UNIT IS RUNNING OR UNIT SMOKES AT COLD-START ONLY WHEN BURNER IS OFF	Improper fuel or water in fuel	Drain tank and replace contaminated fuel.
	Improper air adjustment	Readjust air bands on burner assembly.
	Fuel pressure is low <140 psi for burner	Adjust fuel pump pressure to specifications.
	Plugged or dirty burner nozzle	Replace nozzle Check parts breakdown for nozzle size
	Faulty burner nozzle spray pattern	Replace nozzle Check parts breakdown for nozzle size.
	Coil and burner assembly have heavy accumulation of soot	Remove coils and burner assembly, clean thoroughly Call local dealer.
	Misaligned electrode setting	Realign electrodes to specifications.
	Smoke stack has obstruction	Check for insulation blockage or other foreign objects.
	Fuel Pressure is too high for clean burn (fuel PSI above >140 and below 200) and smokes when burner is off	Reduce fuel pressure PSI/Increase air band set for cleaner without max water heat loss
BURNER MOTOR WILL NOT RUN	Fuel pump seized	Replace fuel pump.
	Burner fan loose or misaligned	Position correctly, tighten set screws.
	Defective control switch	Replace switch.
	Loose wire	Check and replace or tighten wiring.
	Defective burner motor	Replace motor.
LOW WATER TEMPERATURE	Improper fuel or water in fuel	Replace with clean and proper fuel.
	Low fuel pressure	Increase fuel pressure.
	Weak fuel pump	Check fuel pump pressure. Replace pump if needed.
	Fuel filter partially clogged	Replace as needed.
	Soot buildup on coils not allowing heat transfer	Clean coils. Call local Landa Dealer.
	Improper burner nozzle	See breakdown for model.
WATER TEMPERATURE TOO HOT	Incoming water to unit warm or hot	Lower incoming water temperature.
	Fuel pump pressure too high	Call local Landa Dealer for proper fuel pressure.
	Fuel pump defective	Replace fuel pump.
	Detergent line sucking air	Tighten all clamps. Check detergent lines for holes.
	Defective high limit switch	Replace.
	Incorrect fuel nozzle size	See breakdown for model.
	Insufficient water supplied	Check water G.P.M. to machine.
	Restricted water flow	Check serial plate for proper size.
(For parts and information call your Local Dealer)		

Maintenance

PROBLEM	POSSIBLE CAUSE	SOLUTION
PUMP RUNNING NORMALLY BUT PRESSURE LOW ON INSTALLATION	Pump sucking air	Check water supply and possibility of air seepage.
	Valves sticking	Check and clean or replace if necessary.
	Unloader valve seat faulty	Check and replace if necessary.
	Nozzle incorrectly sized	Check and replace if necessary (See serial plate for proper size).
	Worn piston packing	Check and replace if necessary.
FLUCTUATING PRESSURE	Valves worn	Check and replace if necessary.
	Blockage in valve	Check and replace if necessary.
	Pump sucking air	Check water supply and air seepage at joints in suction line.
	Worn piston packing	Check and replace if necessary.
PUMP NOISY	Air in suction line	Check water supply and connections on suction line.
	Broken or weak inlet or discharge valve springs	Check and replace if necessary.
	Excessive matter in valves	Check and clean if necessary.
	Worn bearings	Check and replace if necessary.
PRESENCE OF WATER IN OIL	Oil seal worn	Check and replace if necessary.
	High humidity in air	Check and change oil twice as often.
WATER DRIPPING FROM UNDER PUMP	Piston packing worn	Check and replace if necessary.
	O-Ring plunger retainer worn	Check and replace if necessary.
	Cracked piston	Check and replace if necessary.
	Pump protector	Lower water supply pressure. Do not run with spray gun closed longer than 5 minutes.
OIL DRIPPING	Oil seal worn	Check and replace if necessary.
EXCESSIVE VIBRATION IN DELIVERY LINE	Irregular functioning of the valves	Check and replace if necessary.
DETERGENT NOT DRAWING	Air leak	Tighten all clamps. Check detergent lines for holes.
	Restrictor in float tank is missing	Replace restrictor. Check for proper orifice in restrictor. See parts breakdown for proper restrictor.
	Filter screen on detergent suction hose plugged	Clean or replace.
	Dried up detergent plugging metering valve	Disassemble and clean thoroughly.
	High viscosity of detergent	Dilute detergent to specifications.
	Hole in detergent line(s)	Repair hole.
	Low detergent level	Add detergent if needed.
Relief Valve Leaks Water	Relief valve defective	Replace or repair.

Preventative Maintenance

This pressure washer was produced with the best available materials and quality craftsmanship. However, you as the owner, have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedures will assist in preserving the performance of your equipment. Contact your dealer for maintenance. Regular preventative maintenance will add many hours to the life of your pressure washer. Perform maintenance more often under severe conditions.

Maintenance Schedule		
Pump Oil (Non-foaming) SAE 10W-40	Inspect	Oil level daily
	Change	After first 50 hours, then every 500 hours or annually
Replace High Pressure Nozzle		Every 6 months
Replace Quick Connects		Annually
Clean Water Screen/Filter		Weekly
Replace HP Hose		Annually
Rupture Disk		Replace every 2 years

Check pump oil level before first use of your new Power Washer. Change pump oil after first 50 hours and every year or 500 hours thereafter.

Pump oil - SAE 10W-40 non-foaming

Engine Oil (15W - 40 CD/SE)

Engine/Burner fuel - Ultra low sulfur diesel

Oil Change Record

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

Date Oil Changed Month/Day/Year	Estimated Operating Hours Since Last Oil Change

How To Use This Manual

This manual contains the following sections:

- How to Use This Manual
- Safety
- Operations
- Maintenance
- Parts List

The HOW TO USE THIS MANUAL section will tell you how to find important information for ordering correct repair parts.

Parts may be ordered from authorized dealers. When placing an order for parts, the machine model and machine serial number are important. Refer to the MACHINE DATA box which is filled out during the installation of your machine. The MACHINE DATA box is located on the inside of the front cover of this manual.

Model: _____
Date of Purchase: _____
Serial Number: _____
Dealer: _____
Address: _____
Phone Number: _____
Sales Representative: _____

The model and serial number will be found on a decal attached to the pressure washer.

The SAFETY section contains important information regarding hazardous or unsafe practices of the machine. Levels of hazards are identified that could result in product damage, personal injury, or severe injury resulting in death.

The OPERATIONS section is to familiarize the operator with the operation and function of the machine.

The MAINTENANCE section contains preventive maintenance to keep the machine and its components in good working condition. They are listed in this general order:

- Unloader Valves
- Winterizing Procedure
- Adjustable Thermostat
- Pump
- Cleaning of Coils
- Pressure Relief Rupture Disk
- Fuel
- Electrode Setting
- Burner Nozzle
- Surefire Burner Air Adjustment
- Coil Removal
- Troubleshooting
- Preventative Maintenance

The PARTS LIST section contains assembled parts illustrations and corresponding parts list. The parts lists include a number of columns of information:

- **REF** – column refers to the reference number on the parts illustration.
- **PART NO.** – column lists the part number for the part.
- **QTY** – column lists the quantity of the part used in that area of the machine.
- **DESCRIPTION** – column is a brief description of the part.
- **NOTES** – column for information not noted by the other columns.

NOTE: If a service or option kit is installed on your machine, be sure to keep the KIT INSTRUCTIONS which came with the kit. It contains replacement parts numbers needed for ordering future parts.

NOTE: The manual part number is located on the lower right corner of the front cover.

Introduction & Safety Information

Thank you for purchasing a Landa Pressure Washer.

This manual covers the operation and maintenance of the SDHW6-35824E/MT, SDHW6-35824E/M washer. All information in this manual is based on the latest product information available at the time of printing.

Landa, Inc. reserves the right to make changes at any time without incurring any obligation.

Owner/User Responsibility:

The owner and/or user must have an understanding of the manufacturer's operating instructions and warnings before using this Landa pressure washer. Warning information should be emphasized and understood. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure that the operator comprehends its contents.

Owner and/or user must study and maintain for future reference the manufacturers' instructions.

SAVE THESE INSTRUCTIONS

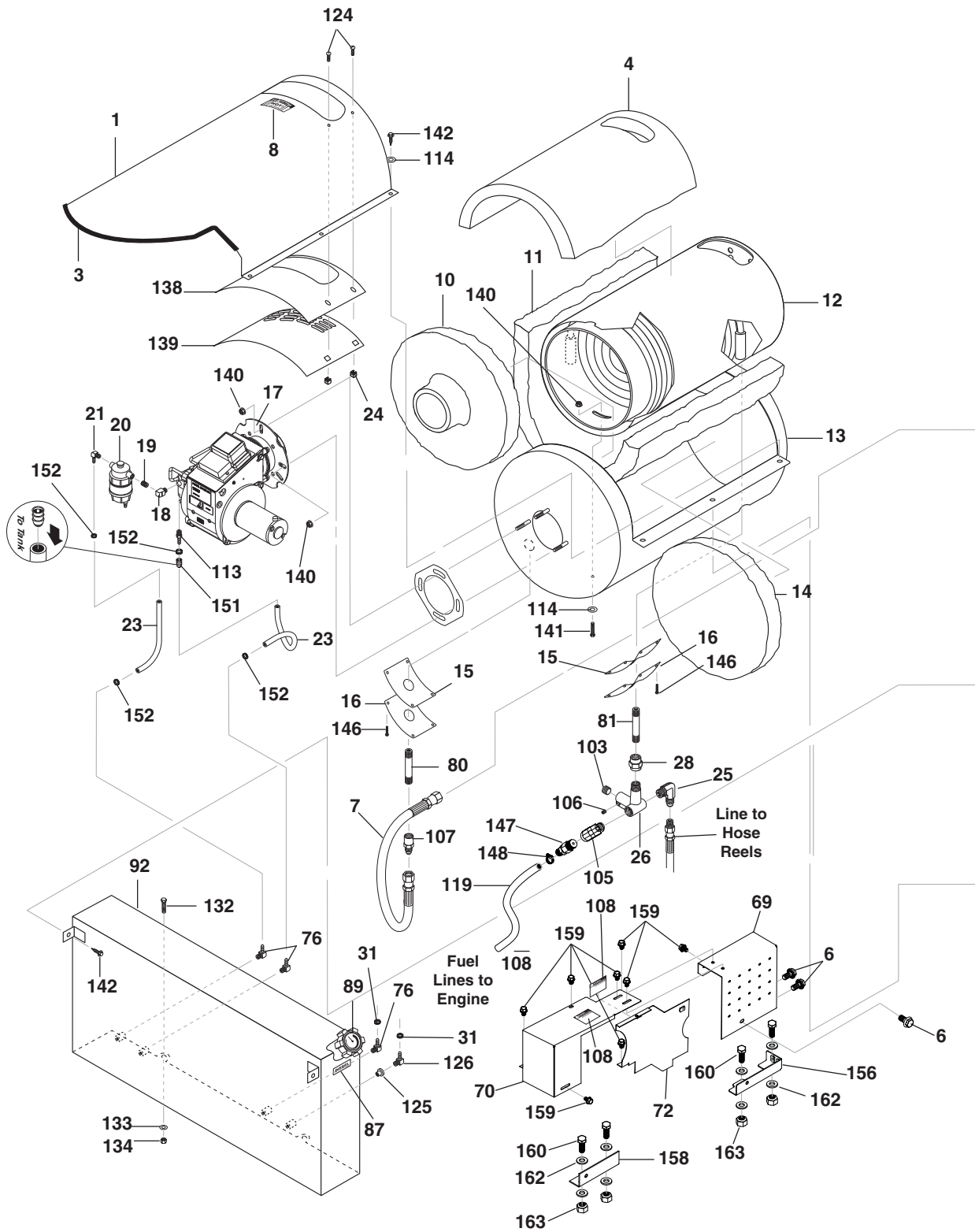
This manual should be considered a permanent part of the machine and should remain with it if machine is resold. When ordering parts, please specify model and serial number. Use only identical replacement parts.

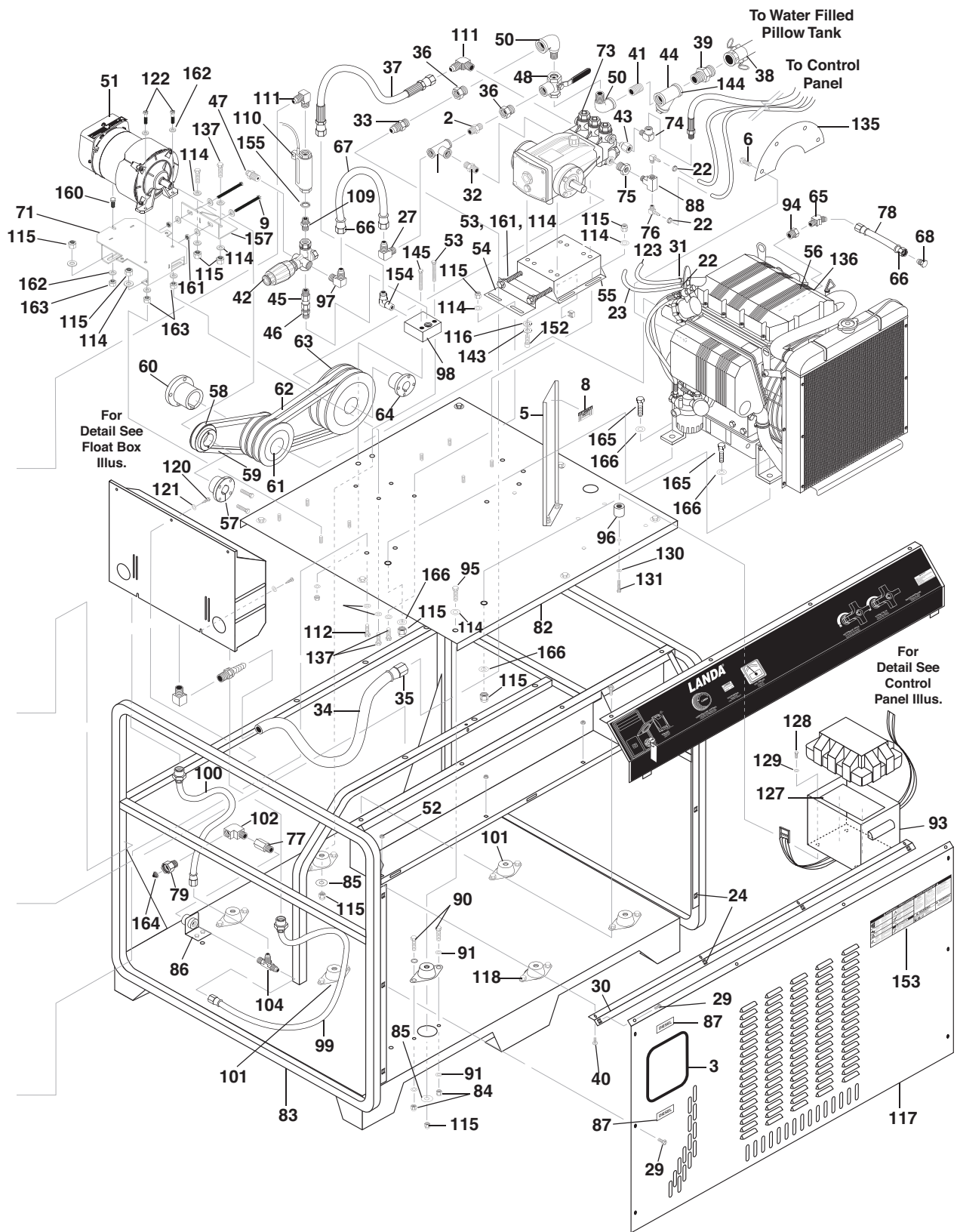
This machine is to be used only by trained operators.

Parts

**LANDA SDHW MILITARY MODEL
(1.110-516.0, 1.110-560.0)**

Landa SDHW Left





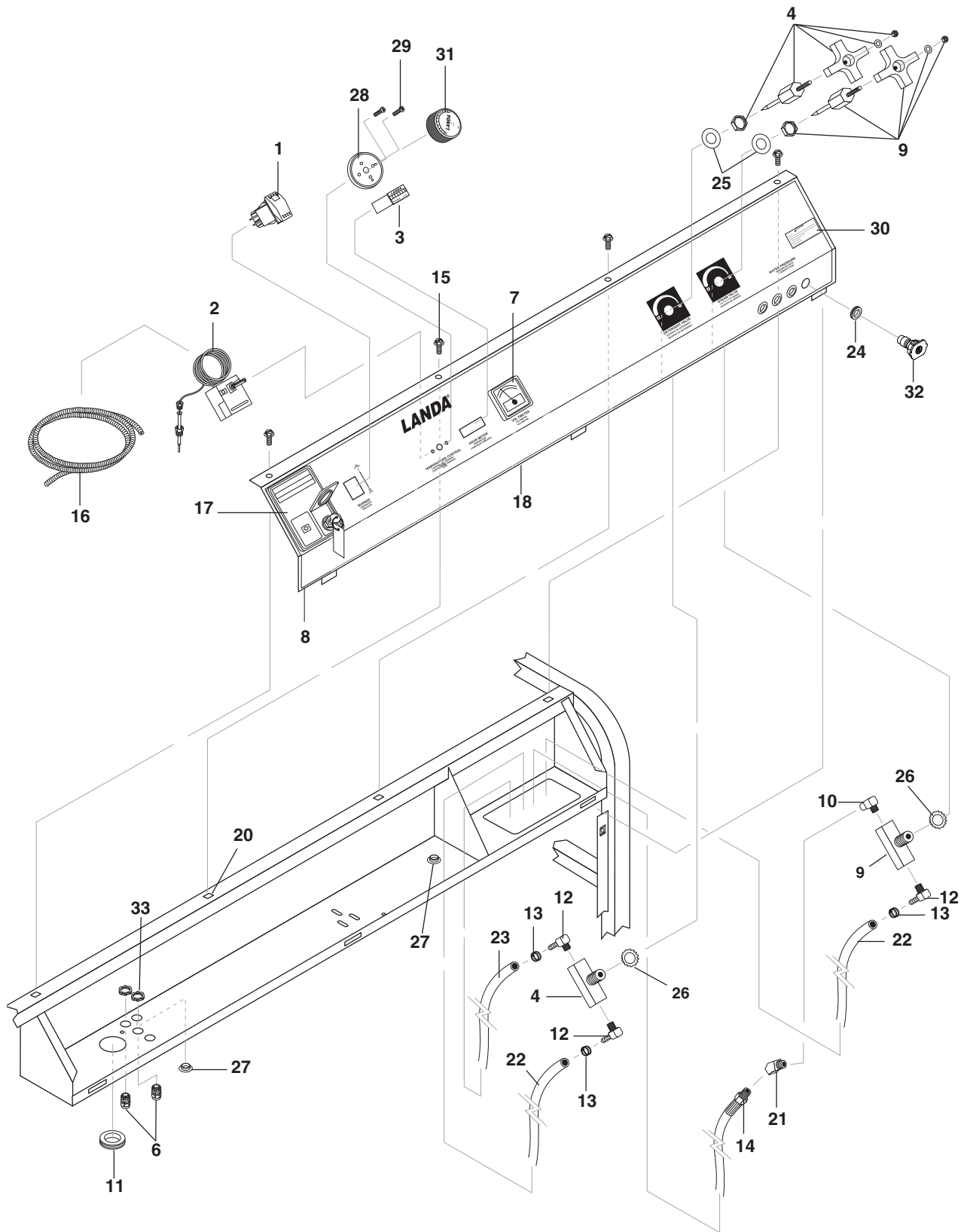
REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.912-186.0	1	TOP WRAP, BLACK	
-	8.912-197.0	1	TOP WRAP, TAN	
2	8.757-484.0	1	NIPPLE, HEX, 3/4", BRASS	
3	9.802-071.0	5 ft.	TRIM, 1/16", BLACK	
4	9.802-902.0	1	INSULATION/BLANKET- DIE CUT 28"X 24"	
5	8.912-333.0	1	MUFFLER GUARD	
-	8.912-335.0	1	GUARD, LOMBARDINI MUFFLER (TAN)	
6	9.802-767.0	3	SCREW, 3/8 X 1/2 WHIZ	
7	8.711-653.0	1	HOSE, 3/8" X 16" 2 WIRE	
8	8.758-328.0	2	LABEL, HOT/CALIENTE W/ARROWS	
9	9.802-735.0	2	BOLT, 3/8" X 5-1/2", NC HH TAP	
10	9.802-894.0	1	INSULATION, BURNER HEAD, W/HOLE	
11	9.802-896.0	1	INSULATION, BLANKET - NO FOIL, 24" X 57"	
12	8.925-216.0	1	SPARE COIL SCH 80W/ALUMNZZD STL	
13	8.916-486.0	1	WRAP, BOTTOM, BLACK	
-	8.912-194.0	1	WRAP, BOTTOM, TAN	
14	9.802-883.0	1	INSULATION, FRONT HEAD, NO HOLE	
15	8.933-009.0	2	GASKET, BURNER PLATE	
16	9.803-132.0	2	PHW/VNG INSULATION RETAINER PLATE, BLACK	
-	8.912-219.0	2	PHW/VNG INSULATION RETAINER PLATE, TAN	
17	-	-	BURNER ASSEMBLY	SEE SPECIFICATIONS PAGES
-	9.802-519.0	1	STRAIN RELIEF, 1/2" METAL, TWO SCREW	NOT SHOWN
18	8.757-198.0	1	ELBOW, 1/4" STREET, BRASS	
19	8.757-195.0	1	NIPPLE, 1/4" CLOSE, BRASS	
20	8.709-158.0	1	FILTER, FUEL/OIL H2O SEPARATOR	
21	8.757-205.0	1	HOSE BARB, 1/4" BARB X 1/4" M-NPTF, 90°	
22	6.390-126.0	4	CLAMP, HOSE, UNI .46 - .54	
23	9.802-254.0	8.66 ft	HOSE, 1/4", PUSH-ON	
24	9.802-791.0	14	NUT, CAGE, 10/32" X 16 GAUGE	
25	8.757-509.0	1	ELBOW, 3/4"-16 SAE X 3/8" NPTF(M), STEEL	
26	8.757-240.0	1	MANIFOLD, COIL OUTLET DISCHARGE, W/TAG	
27	8.757-873.0	1	ELBOW BRASS 1/2 (M) SAE X 3/4 NPTF (M)	
28	8.706-141.0	1	COUPLING, 1/2" HEX PIPE	
29	9.802-759.0	10	SCREW, 10/32" X 1/2" BHSOC BLK	
30	8.912-322.0	1	BRACKET, FRONT PANEL MOUNT, BLK	
-	8.912-324.0	1	BRACKET, FRONT PANEL MOUNT, TAN	
31	8.709-069.0	7	CLAMP, SCREW, 5/16"W, 1/4-5/8"D, SS	
32	8.757-874.0	1	ADAPTER STEEL 1/2 BSPP(M) X 3/4 NPTF(M)	
33	8.757-808.0	1	ADAPTER 3/4 SAE X 3/4 NPTF (M)	
34	9.802-261.0	5 ft.	HOSE, 3/4", PUSH-ON	
35	9.802-152.0	1	SWIVEL, 3/4" JIC FEM, PUSH-ON	
36	8.757-672.0	2	BUSHING BRASS 1" X 3/4"	
37	8.918-425.0	1	HOSE, 29" X 3/8", 100R2, PRESSURE LOOP	
38	8.711-528.0	1	HOSE, 1" X 10 FT. MARINE, W/1" CAMLOCK	
39	8.707-173.0	1	NIPPLE, 1" NPT X 1" CAM	
40	9.802-759.0	4	SCREW, 10/32" X 1/2"	
41	8.706-801.0	1	NIPPLE, 1" BRASS	
42	8.750-299.0	1	UNLOADER, VRT 3, 8 GPM @ 4500 PSI	

REF	PART NO.	QTY	DESCRIPTION	NOTES
43	8.757-875.0	1	ADAPTER STEEL 3/8 BSPP(M) X 1/4 NPTF(F)	
44	8.707-069.0	1	STRAINER, Y 1" BRASS	
45	8.757-656.0	1	ADAPTER SWIVEL STEEL 1/2 JICX3/8 NPTF(M)	
46	8.757-655.0	1	ADAPTER STEEL 1/2" JIC X 3/8" NPTF(M)	
47	8.707-254.0	1	PUMP PROTECTOR, 3/8" PTP	
48	8.707-230.0	1	VALVE, 1" NPT, 3 WAY	
49	8.757-671.0	1	TEE BRASS 3/4"	
50	8.706-833.0	2	ELBOW, 1" BRASS STREET	
51	8.757-639.0	1	GENERATOR, TB2400	
-	8.752-150.0	1	CORD, MOLDED	NOT SHOWN
52	9.802-695.0	4	NUTS, KEPS, 10/32"	
53	9.802-733.0	2	BOLT, 3/8" X 3-1/2", TAP	
54	9.803-136.0	1	RETAINER, PUMP TAKE UP, PLATED, BLACK	
-	8.912-380.0	1	RETAINER, PUMP TAKE UP, PLATED, TAN	
55	8.912-210.0	1	PUMP & GEN. RAIL, HEAVY DUTY BLACK	
-	8.912-218.0	1	PUMP & GEN. RAIL, HEAVY DUTY TAN	
56	8.753-906.0	1	ENGINE, KOHLER DIESEL, 27 HP	
57	-	-	GEN. BUSHING	SEE SPECIFICATIONS PAGES
58	-	-	GEN. PULLEY	SEE SPECIFICATIONS PAGES
59	-	-	GEN. BELT	SEE SPECIFICATIONS PAGES
60	-	-	ENGINE BUSHING	SEE SPECIFICATIONS PAGES
61	-	-	ENGINE PULLEY	SEE SPECIFICATIONS PAGES
62	-	-	PUMP BELT	SEE SPECIFICATIONS PAGES
63	-	-	PUMP PULLEY	SEE SPECIFICATIONS PAGES
64	-	-	PUMP BUSHING	SEE SPECIFICATIONS PAGES
65	8.757-509.0	1	ELBOW STEEL 1/2 SAE (M) X 3/8 NPTF (M)	
66	9.802-151.0	4	SWIVEL, 1/2" JIC FEM, PUSH-ON	
67	9.802-259.0	2 ft.	HOSE, 1/2", PUSH-ON	
68	9.802-126.0	1	PLUG, 1/2" JIC, FLARE	
69	8.925-873.0	1	ASSEMBLY BELT GUARD PUMP MLTRY BLACK	
-	8.925-893.0	1	ASSEMBLY BELT GUARD PUMP MLTRY TAN	
70	8.925-875.0	1	ASSEMBLY BELT GUARD GEN MLTRY BLACK	
-	8.925-894.0	1	ASSEMBLY BELT GUARD GEN MLTRY TAN	
71	8.925-878.0	1	ASSEMBLY SLIDER GEN MLTRY BLACK	
-	8.925-895.0	1	ASSEMBLY SLIDER GEN MLTRY TAN	
72	8.925-882.0	1	ASSEMBLY BELT GUARD CENTER MLTRY BLACK	
-	8.925-896.0	1	ASSEMBLY BELT GUARD CENTER MLTRY TAN	
73	8.921-713.0	1	PUMP, LANDA, LT6036/L	
74	8.757-703.0	1	ELBOW STREET STEEL 1/4"	
75	8.757-876.0	1	ADAPTER STEEL 1/2 BSPP(M) X 1/4 NPTF(F)	
76	8.757-205.0	5	HOSE BARB, 1/4" BARB x 1/4" M-NPTF, 90°	
77	8.757-193.0	1	ADAPTER, 1/2" F-NPTF x 1/2" M-NPTF, BRASS	
78	9.802-259.0	2 ft.	HOSE, 1/2", PUSH-ON	
79	8.757-203.0	1	SWIVEL, 1/2" M-NPTF x 3/4" GHF	
80	8.757-232.0	1	NIPPLE STEEL 1/2 NPTF X 4 W/SLNT	
81	8.757-231.0	1	NIPPLE STEEL 1/2 NPTF X 3 W/SLNT	
82	8.912-366.0	1	PLATFORM, POWER, BLACK	
-	8.912-368.0	1	PLATFORM, POWER, TAN	

REF	PART NO.	QTY	DESCRIPTION	NOTES
83	8.912-288.0	1	CAGE, SDHW, BLACK	
-	8.912-290.0	1	CAGE, SDHW, TAN	
84	9.802-776.0	16	NUT, ESNA, 5/16"	
85	9.802-099.0	8	WASHER, SNUBBING	
86	9.802-961.0	1	HOSE CONN., BRACKET, BLACK	
-	8.912-446.0	1	HOSE CONN., BRACKET, TAN	
-	9.802-710.0	2	BOLT, 5/16" X 1"	NOT SHOWN
-	9.802-776.0	2	NUT, 5/16", ESNA	NOT SHOWN
-	8.718-980.0	4	WASHER, 5/16"	NOT SHOWN
87	8.758-341.0	3	LABEL DIESEL BLACK ON YELLOW	
88	8.757-871.0	1	TEE BRASS BRANCH 1/4 NPTF	
89	8.706-637.0	1	CAP, FUEL TANK	
90	9.802-710.0	16	BOLT, 5/16" X 1"	
91	8.718-980.0	32	WASHER, 5/16"	
92	8.912-356.0	1	TANK, FUEL, 20 GALLON, BLACK	
-	8.912-357.0	1	TANK, FUEL, 20 GALLON, TAN	
93	8.706-600.0	1	BOX, BATTERY, M100	
94	9.802-155.0	1	ADAPTOR, M18 - 1.5" X 3/8"	
95	9.802-730.0	7	BOLT, 3/8" X 2-1/2"	
96	9.803-532.0	4	ISOLATOR, 5/16", F X F 1"	
97	9.802-129.0	1	ELBOW, 1/2" JIC X 3/8"	
98	9.802-870.0	1	BLOCK, UNLOADER 3/8" X 3/8" 1.25, STEEL	
99	9.802-258.0	1	INLET HOSE, 45" WATER SUPPLY	
100	9.802-257.0	1	INLET HOSE, 30" WATER SUPPLY	
101	8.706-505.0	2	ISOLATOR, VIBRATION, LRI150	
102	8.757-342.0	1	ELBOW, 1/2" STREET, BRASS	
103	8.757-241.0	1	PLUG, 3/8" ALLEN COUNTER SUNK, W/TAG	
104	8.757-967.0	1	TEE RUN BRASS 1/2 (M) JIC X 1/2 NPTF (M)	
105	8.757-239.0	1	ELBOW, 3/8" MPT x 1/2" FPT ST, STEEL, W/TAG	
106	9.196-012.0	1	SCREW, 10-24 X 1/4"	
107	8.706-319.0	1	ADAPTOR, 1/2" JIC X 1/2"	
108	8.758-329.0	2	LABEL WARNING EXPOSED PULLEYS	
109	8.757-653.0	1	NIPPLE HEX STEEL 3/8" NPTF X 3/8" BSPP	
110	8.933-006.0	1	FLOW SWITCH	
111	8.757-616.0	2	ADAPTER 1/2 JIC (M) X 3/8 BSPP (M) 90°	
112	9.802-722.0	12	BOLT, 3/8" X 1-1/4"12	
113	8.757-199.0	1	HOSE BARB, 1/4" BARB x 1/4" M-NPTF, BRASS	
114	9.802-807.0	60	WASHER, 3/8"	
115	9.802-779.0	38	NUT, ESNA, 3/8"	
116	8.718-961.0	1	WASHER, M10 SPLT RNG LCK 8.8CLSS ZINC PLTD	
117	8.912-326.0	1	PANEL, FRONT, BLACK	
-	8.912-327.0	1	PANEL, FRONT, TAN	
118	9.802-057.0	6	VIBRATION ISOLATOR, MNT 100	
119	9.802-260.0	2'	HOSE, 5/8", PUSH-ON	
120	9.802-799.0	4	SCREW 1/4" X 1" TEK, BLACK	
121	9.804-082.0	2	WASHER, 1/4" SAE, BLACK	
122	9.802-713.0	6	BOLT, 5/16" X 1-1/2", NC HH(612975)	
123	9.802-255.0	37"	HOSE, 3/16" PUSH-ON	
124	8.718-812.0	4	SCREW, 10/32" X 1" HEX, WASH HEAD	
125	8.757-720.0	1	BUSHING BRASS 1/4" X 1/8" NPTF	
126	8.757-721.0	1	HOSE BARB 90° BRASS 3/16 X 1/8 NPTF M	
127	9.802-076.0	1	PLATE, BATTERY BOX, LARGE	
128	9.803-541.0	4	SCREW, 5/16" - 18 X 1/2"	

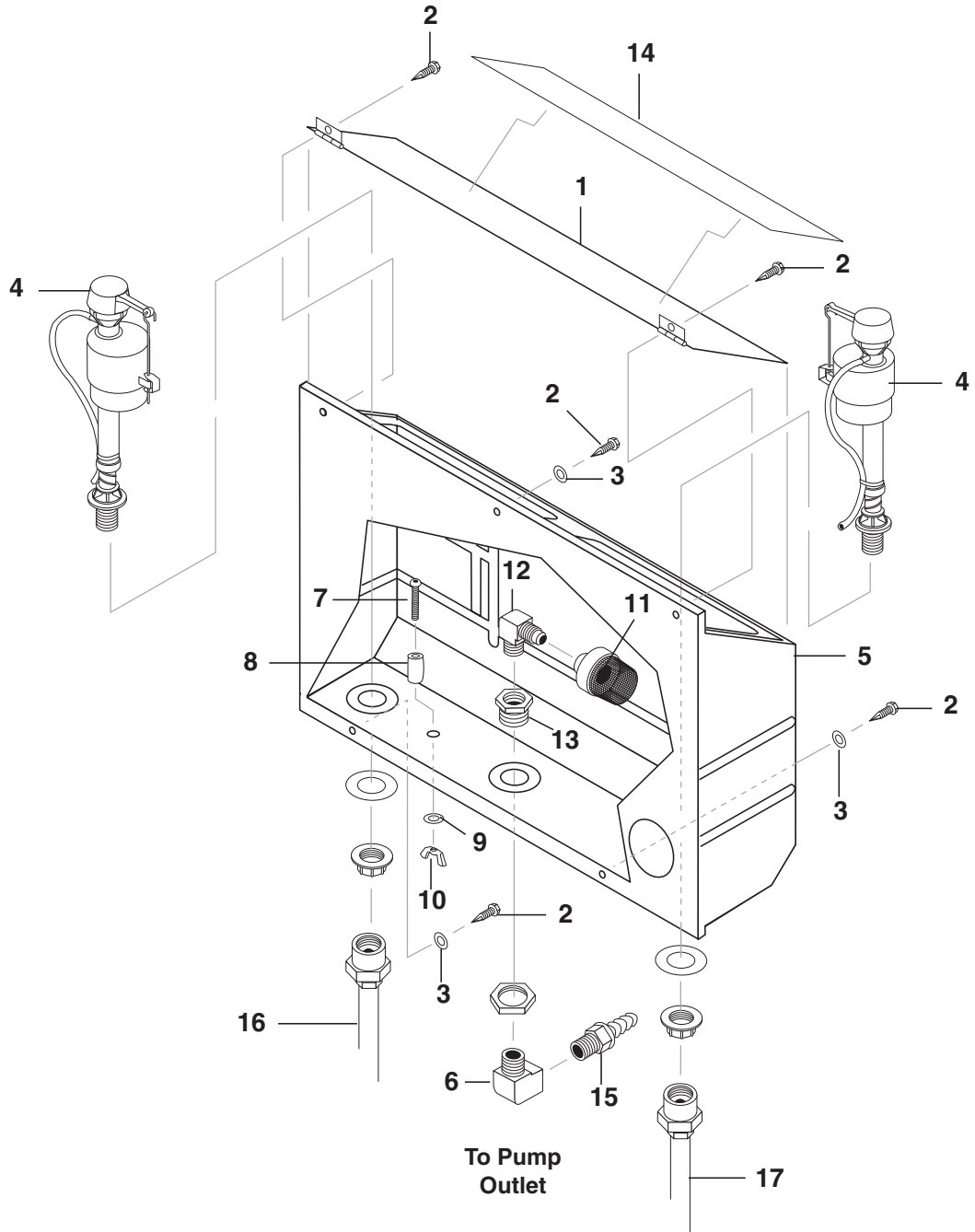
REF	PART NO.	QTY	DESCRIPTION	NOTES
129	9.803-542.0	4	WASHER, 5/16" STAR, EXTERNAL	
130	9.802-813.0	4	WASHER, 5/16" LOCK, SPLIT RING	
131	8.718-618.0	4	BOLT, 5/16" X 3/4", NC ZINC	
132	8.718-628.0	2	BOLT, 5/16" X 1-1/4", NC HH	
133	9.802-811.0	4	WASHER, 3/8" X 1-1/2" FENDER	
134	9.802-776.0	2	NUT, 5/16" ESNA	
135	8.915-771.0	1	FLY WHEEL COVER	
136	8.758-356.0	1	LABEL RPM FACTORY SET	
137	9.802-720.0	4	BOLT, 3/8" X 1" NC	
138	8.717-424.0	1	GASKET, INSULATION GASKET	
139	8.911-304.0	1	EXHAUST PLATE, TOP WRAP	
140	9.802-781.0	5	NUT, 3/8" FLANGE, WHIZ-LOC	
141	9.802-727.0	2	BOLT, 3/8" X 1-3/4"	
142	9.802-766.0	8	SCREW, 3/8" X 1" HEX, WASH HEAD	
143	9.802-807.0	1	WASHER, 3/8", SAE, FLAT ZINC	
144	8.706-867.0	1	PLUG, 3/8" HEX	
145	9.802-728.0	1	BOLT, 3/8" X 2", NC HH	
146	9.802-797.0	8	SCREW, SS#10 X 1/2" HEX HEAD, TEK	
147	8.707-381.0	1	RUPTURE DISC ASSY, 8500#	
148	9.803-559.0	1	CLAMP, SCREW, 9/16" W, 1-1/4"OD, SS	
149	8.753-395.0	1	CABLE, BATTERY, 24" BLACK	NOT SHOWN
150	8.753-430.0	1	CABLE, BATTERY, 51" RED	NOT SHOWN
151	8.754-911.0	1	CHECK VALVE, 1 WAY, 1/4"BARB	
152	9.802-744.0	4	BOLT, 10mm x 20mm, HH ZINC	
153	8.758-390.0	1	LABEL OPERATING INSTRUCTIONS MT	
154	8.757-509.0	1	ELBOW, 3/4"-16 SAE X 3/8" NPTF(M), STEEL	
155	8.757-211.0	1	SEAL, BONDED, BSPP, 3/8" (-06)	
156	8.925-884.0	1	ASSEMBLY BRACKET GUARD PUMP MLTRY BLACK	
-	8.925-897.0	1	ASSEMBLY BRACKET GUARD PUMP MLTRY TAN	
157	8.925-886.0	1	ASSEMBLY BRACKET TAKE UP GEN MLTRY BLACK	
-	8.925-898.0	1	ASSEMBLY BRACKET TAKE UP GEN MLTRY TAN	
158	8.925-891.0	1	ASSEMBLY BRACKET GUARD GEN MLTRY BLACK	
-	8.925-899.0	1	ASSEMBLY BRACKET GUARD GEN MLTRY TAN	
159	9.803-277.0	1	SCREW, 5/16" X 1/2", WHIZ LOC FLANGE	
160	9.802-710.0	5	SCREW 5/16" X 1" NC	
161	9.802-789.0	4	NUT, 3/8-20, HEX ZINC	
162	8.718-980.0	13	WASHER, 5/16" FLAT, SAE (780452)	
163	9.802-776.0	7	NUT, 5/16-18, ESNA	
164	9.804-016.0	1	FILTER SCREEN WASHER, GARDEN HOSE/30MESH	
165	9.802-725.0	4	BOLT, 3/8 X 1-1/2", HH NC GRD 8, ZINC	
166	9.802-807.0	8	WASHER, 3/8", SAE, FLAT ZINC	

Control Panel



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	9.802-451.0	1	SWITCH, ROCKER, CARLLING	
2	8.750-094.0	1	THERMOSTAT, 302°	
3	9.802-283.0	1	HOUR METER, ENM, 115V, 50/60 HZ	
4	8.707-317.0	1	VALVE, CONTROL, METERING	
5	9.802-762.0	1	SCREW, 10/32" X 1-1/4"	NOT SHOWN
-	9.802-695.0	3	NUT, 10/32", KEPS	NOT SHOWN
-	8.758-327.0	1	LABEL GROUND SYMBOL	NOT SHOWN
6	9.802-515.0	2	STRAIN RELIEF, STRT, LQ TITE 3200, (876029)	
7	8.712-159.0	1	VOLTMETER, 120V	
8	8.912-351.0	1	PANEL, CONTROL, BLACK	
-	8.912-353.0	1	PANEL, CONTROL, TAN	
9	9.802-187.0	1	VALVE, FLOW W/METERING	
10	8.757-339.0	1	ELBOW, 1/4" STREET 90 DEG, STEEL W/SLNT	
11	8.706-529.0	1	GROMMET, 1-3/4"	
12	8.757-205.0	3	HOSE BARB, 1/4" BARB X 1/4" M-NPTF, 90°	
13	6.390-126.0	3	CLAMP, HOSE, UNI .46 - .54	
14	8.918-188.0	1	HOSE, 1/4" X 48", 100R2, STEAM LINE	
15	9.802-764.0	4	SCREW, 10-32" X 3/4"	
16	9.802-447.0	6.67'	CONDUIT, THERMOSTAT, TUBE	
17	8.717-937.0	1	PANEL, ELECTRONIC, LDW	
-	8.717-917.0	1	HARNESS, WIRING, LDW	NOT SHOWN
18	8.758-692.0	1	LABEL LANDA SDHW CONTROL PANEL	
19	8.912-339.0	2	BRACKET, FRONT GUARD, BLACK	NOT SHOWN
-	8.912-341.0	2	BRACKET, FRONT GUARD, TAN	NOT SHOWN
20	9.802-791.0	4	NUT, CAGE 10/32" X 16 GA.	NOT SHOWN
21	8.757-968.0	1	ELBOW STEEL 45° STEEL 1/4 NPTF	
22	9.802-254.0	2	HOSE, 1/4" PUSH-ON (54")	
23	9.802-251.0	8 ft.	TUBE, CLEAR VINYL	
24	9.802-064.0	4	GROMMET, RUBBER NOZZLE HOLDER	
25	9.802-810.0	2	WASHER, 5/8" SAE, FLAT, ZINC	
26	8.719-011.0	2	WASHER, 5/8" ZINC	
27	9.802-103.0	1	BUSHING, 5/8", SNAP	
28	8.712-190.0	1	BEZEL, THERMOSTAT	
29	8.718-779.0	2	SCREW, 4 MM X 6 MM	
30	8.758-335.0	1	LABEL MANUFACTURER'S CLEANING SOLUTION	
31	8.750-096.0	1	KNOB, THERMOSTAT	
32	8.712-357.0	1	NOZZLE, SAQCMEG 0005.5, RED	
-	8.712-358.0	1	NOZZLE, SAQCMEG 1505.5, YELLOW	
-	8.712-359.0	1	NOZZLE, SAQCMEG 2505.5, GREEN	
-	8.712-360.0	1	NOZZLE SAQCMEG 4005.5, WHITE	
33	9.802-525.0	1	LOCKNUT, 1/2" 8463	

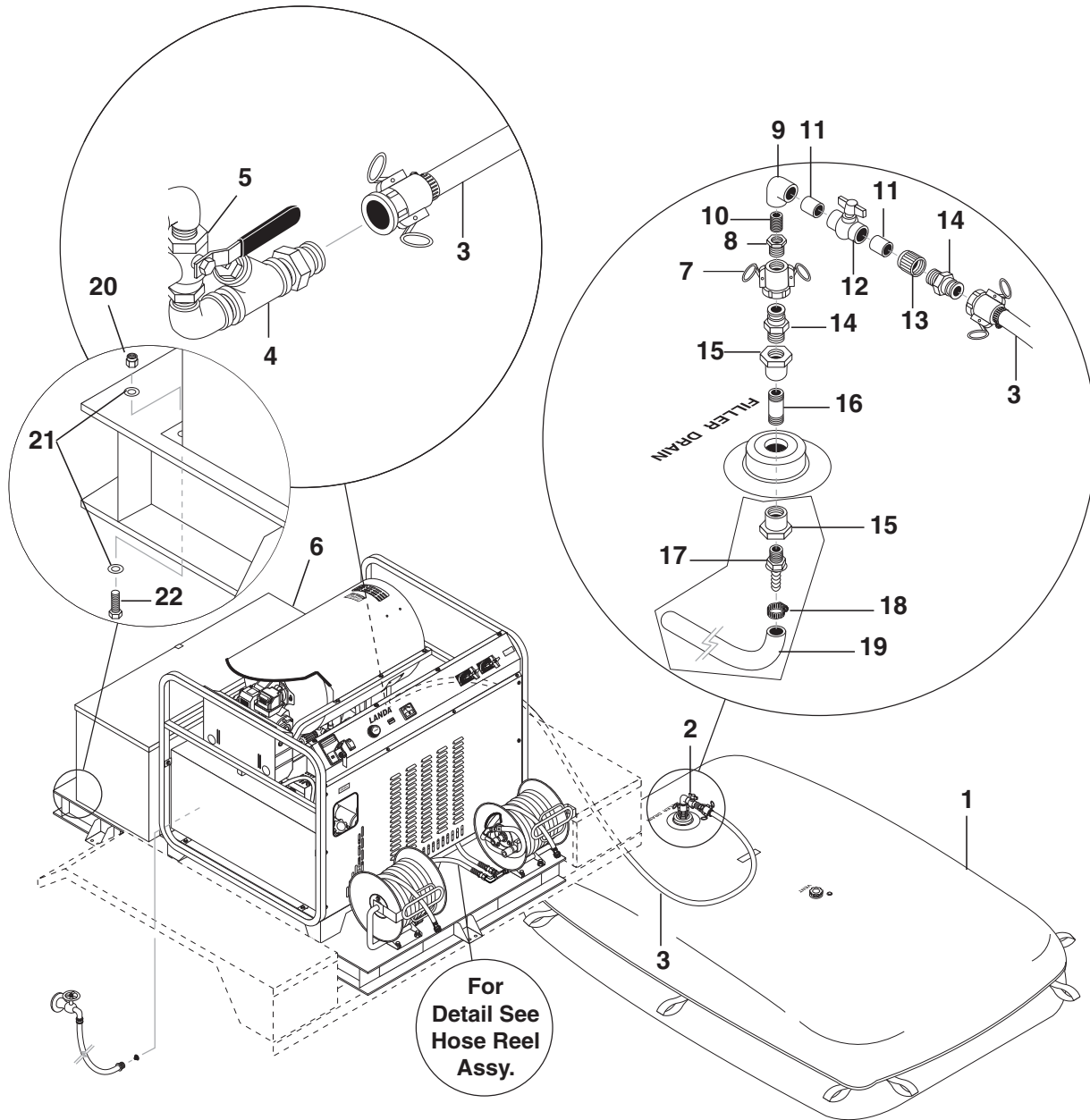
Float Tank



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.912-233.0	1	LID & HINGES, PLASTIC, FLOAT TANK	BLACK
-	8.912-235.0	1	LID & HINGES, PLASTIC, FLOAT TANK	TAN
2	9.802-799.0	4	SCREW, #14 X 1", TEK, BLK, ZINC	
3	9.804-082.0	2	WASHER, 1/4", SAE, BLACK, ZINC	
4	9.802-185.0	2	VALVE, FLOAT TANK, VERTICAL	
5	9.802-084.0	1	TANK, PLASTIC UNIVERSAL FLOAT	
6	8.757-342.0	1	ELBOW, 1/2" STREET, BRASS	
7	9.802-822.0	1	SCREW, 5/8" — 18" X 1-1/2" SS, BUTTON SOCKET	
8	9.802-263.0	.125 ft	TUBING, 5/16" X 9/16", 50/60, DURO, RUBBER	
9	9.802-824.0	1	WASHER, 5/16", SS	
10	9.802-823.0	1	NUT, 5/16" — 18, WING, SS	
11	8.707-061.0	1	STRAINER, 1/2" BASKET	
12	8.757-391.0	1	ELBOW, 1/2" M SAE x 1/2" NPTF (M)	
13	8.750-743.0	1	BULKHEAD, 1/2" POLYPRO	
14	8.758-357.0	1	LABEL LANDA STRIPE	
15	8.757-505.0	1	HOSE BARB, 3/4" BARB X 1/2", BRASS	
16	9.802-257.0	1	INLET HOSE, 30", SUPPLY WATER	
17	9.802-258.0	1	INLET HOSE, 45" SUPPLY WATER	

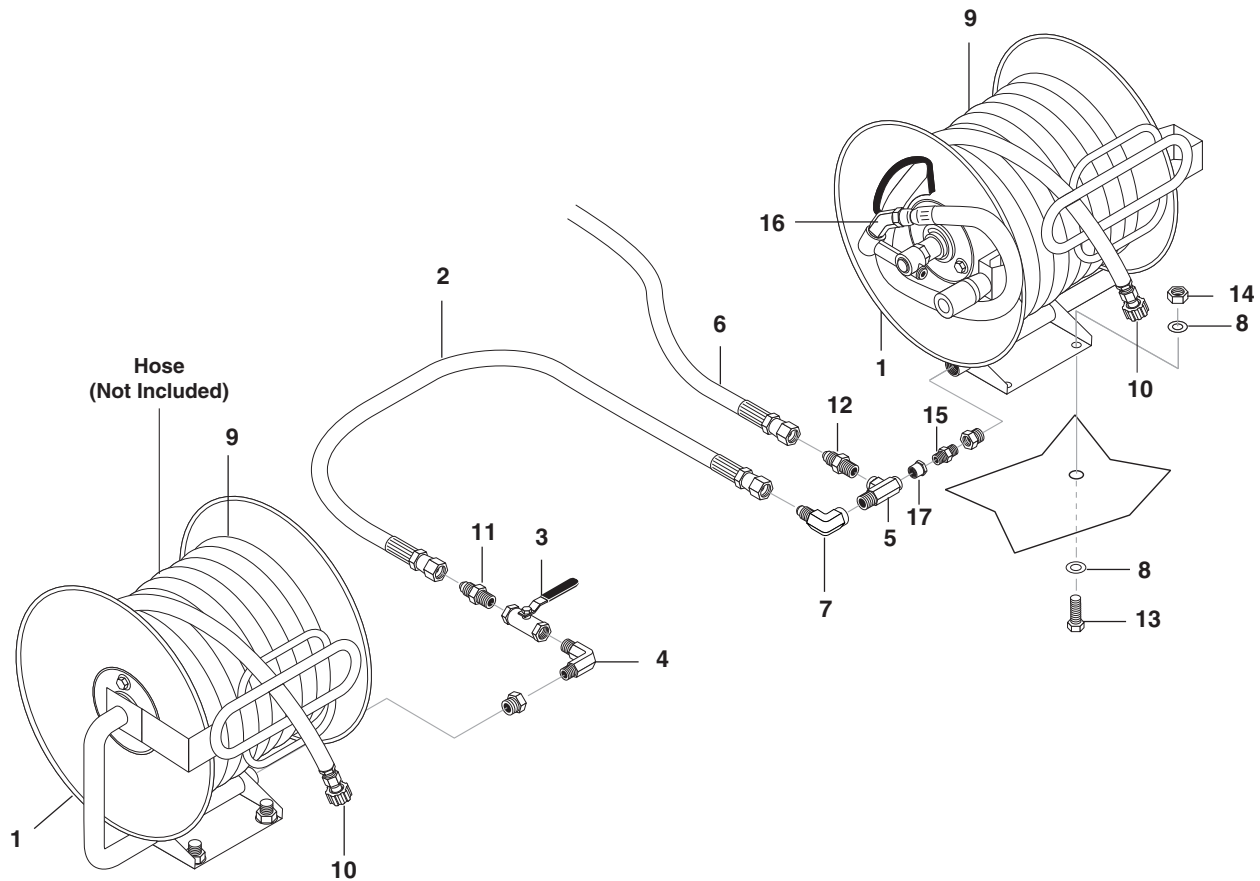
Skid Deck & Valve

#8.902-459.0,#8.902-460.0,#8.902-461.0,#8.902-462.0

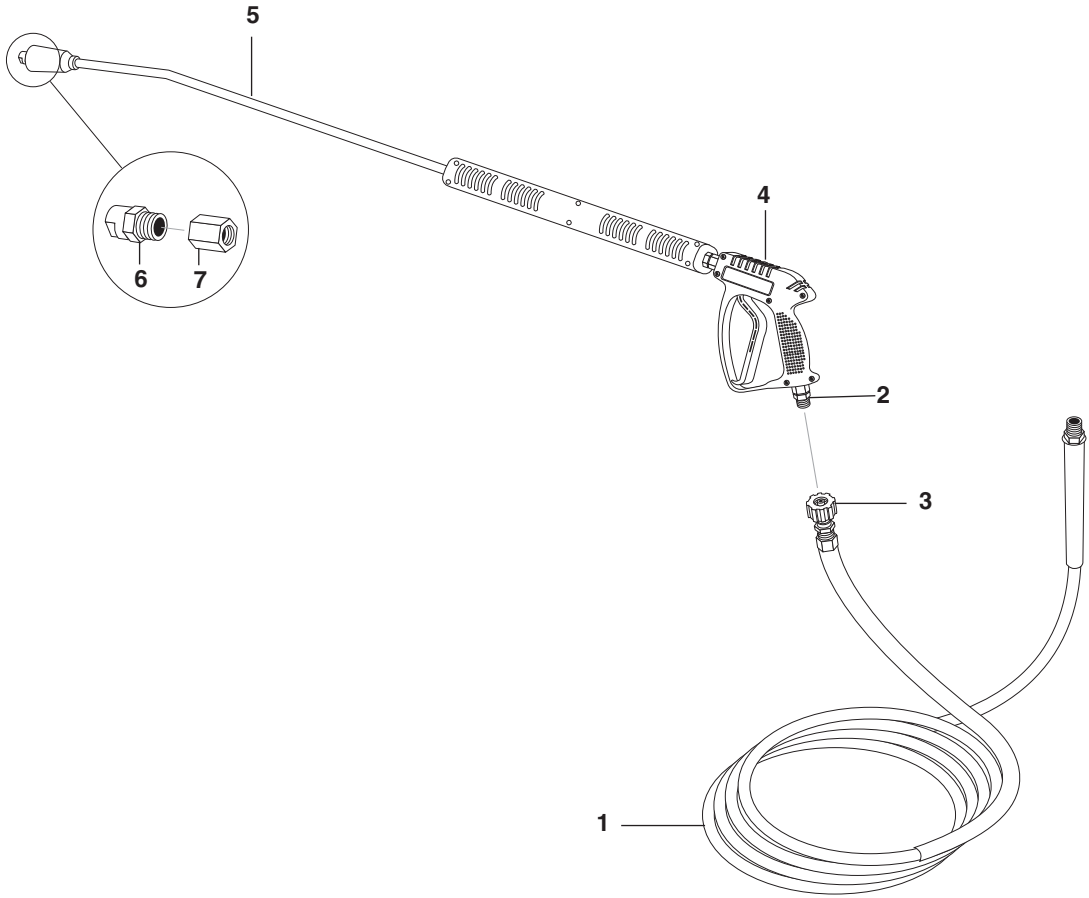


REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.706-638.0	1	TANK, PILLOW 360 GALLON	
2	8.902-434.0	1	VALVE, CONNECTION ASSY	
3	8.711-528.0	1	HOSE, 1" X 10' W/CAMLOCKS	
4	8.707-069.0	1	STRAINER, Y, 1" BRASS	
5	8.707-230.0	1	VALVE, 3 WAY BALL	
6	8.912-421.0	1	ASSY. TOOL BOX, 20.5 TALL, BLACK	
-	8.912-422.0	1	ASSY. TOOL BOX, 20.5 TALL, TAN	
7	8.707-170.0	1	CAMLOCK, 1.25 FEMALE COUPLER	
8	8.706-405.0	1	BUSHING, 1-1/4" X 1" MT X FT, PVC 80	
9	8.706-378.0	1	ELBOW, 1" SLIP X FIPT, PVC 80, 90°	
10	8.706-439.0	1	NIPPLE, 1" PVC 80, CLOSE	
11	8.706-366.0	.33 ft.	PIPE, 1" PVC 80	
12	8.707-359.0	1	VALVE, 1", PVC 80, S X S	
13	8.706-444.0	1	ADAPTER, FEM, 1"S X FT, PVC 80	
14	8.706-707.0	2	ADAPTER, 1" M X 1" M, CAMLOCK	
15	8.706-398.0	2	BUSHING, 1" FIPT X 1-1/2" SP, PVC 80	
16	8.706-464.0	1	NIPPLE, 2" X 3", PVC 80	
17	8.706-946.0	1	HOSE BARB, 1" BARB X 1" ML V	
18	9.802-202.0	1	CLAMP, SCREW	
19	9.802-262.0	2 ft.	HOSE, 7/8" PUSH-ON, CONDUIT	
20	8.725-395.0	4	NUT, 3/8" ESNA, NC	
21	8.725-394.0	8	WASHER, 3/8" SAE, FLAT	
22	9.802-720.0	4	BOLT, 3/8" X 1" NC, HH	
23	8.707-392.0	4	RUBBER, 50"	(1025, 1025T) NOT SHOWN
-	-	4	RUBBER, 8"	(1025, 1025T) NOT SHOWN
-	-	9	RUBBER, 4"	(1025, 1025T) NOT SHOWN
-	-	7	RUBBER, 2.5"	(1025, 1025T) NOT SHOWN

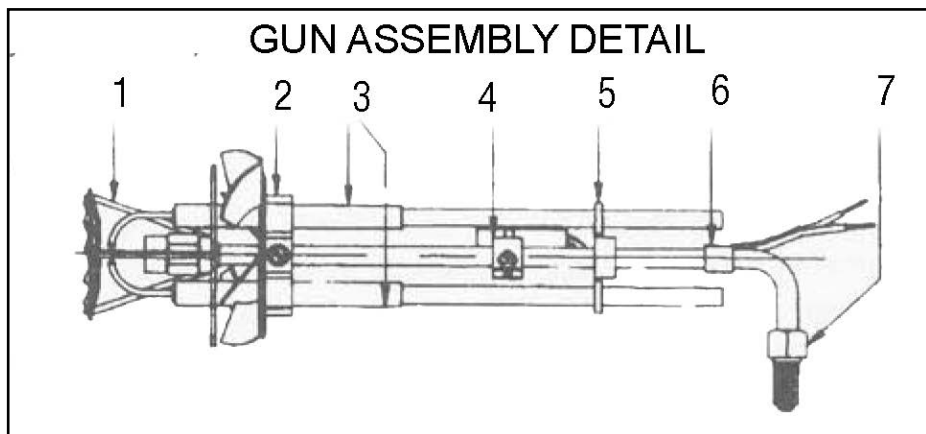
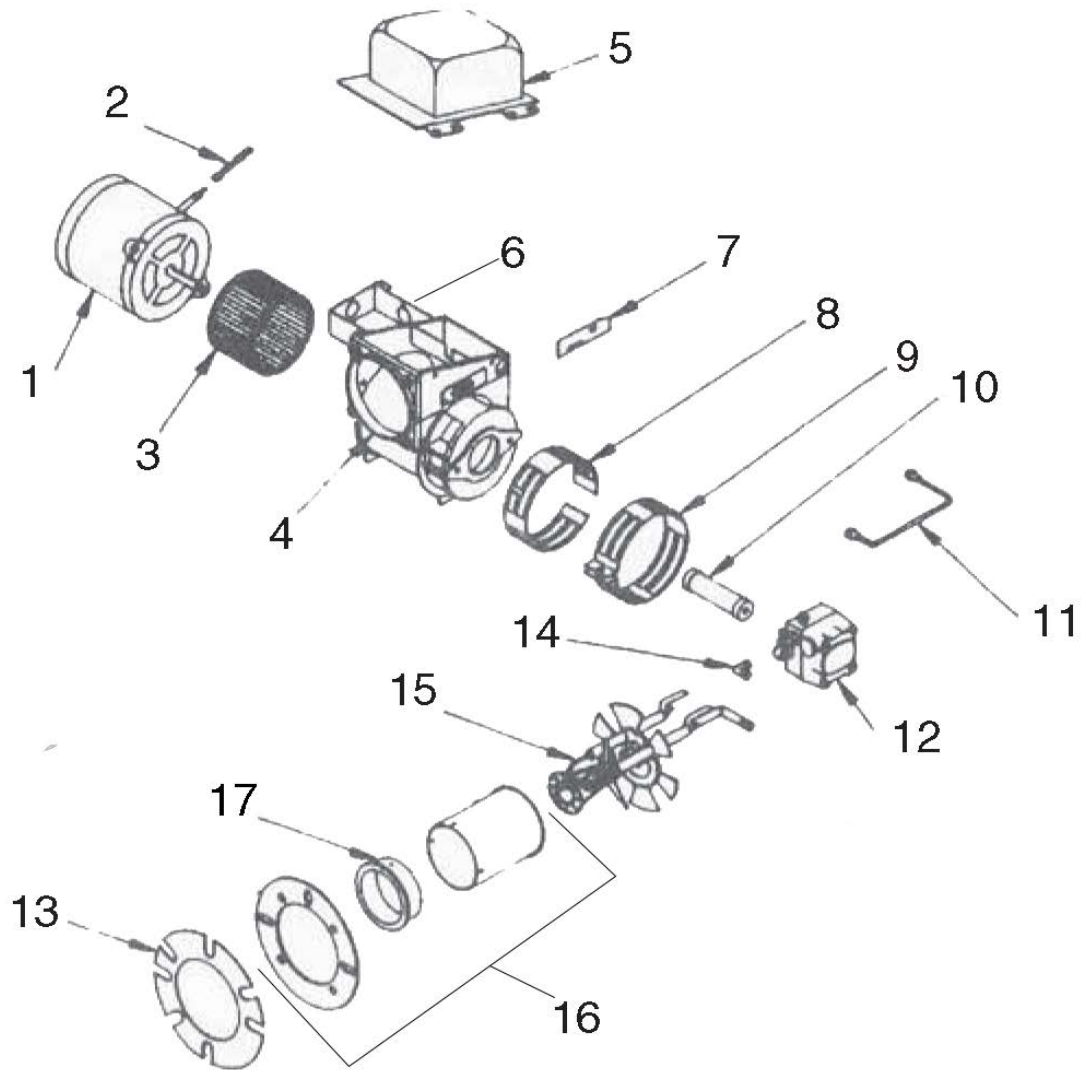
Hose Reel



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	9.122-002.0	2	HOSE REEL, 100 FT.	
2	8.918-424.0	1	HOSE, 3/8" X 25" PRESSURE LOOP	
3	8.707-204.0	1	VALVE, 3/8" BALL CARBON STEEL	
4	8.757-511.0	1	ELBOW, 3/8", STEEL	
5	8.757-512.0	1	TEE, STREET, 1/2", STEEL	
6	9.802-246.0	1	HOSE, 3/8" X 62" PRESSURE LOOP	
7	8.757-363.0	1	ELBOW, 90°, 3/4-16 JIC X 1/2 NPTF (F) 90°	
8	9.802-807.0	16	WASHER, 3/8"	
9	8.925-141.0	2	HOSE, 3/8" X 100' 2W 6000PSI LAN SW X SO	
10	8.707-182.0	2	COUPLER, 3/8" FEMALE SCREW	
11	8.757-655.0	1	ADAPTER STEEL 1/2" JIC X 3/8" NPTF(M)	
12	8.757-508.0	1	ADAPTER STEEL 1/2 SAE (M) X 1/2 NPTF (M)	
13	9.802-722.0	8	BOLT, 3/8" X 1-1/4"	
14	9.802-779.0	8	NUT, 3/8" ESNA	
15	8.757-905.0	1	NIPPLE HEX STEEL 3/8 NPTF (M)	
16	8.757-551.0	2	ELBOW STREET STEEL 3/8" 45°	
17	8.757-513.0	1	BUSHING, 1/2"NPTF(M) X 3/8"NPTF(F),STEEL	



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.925-141.0	2	HOSE, 3/8" X 100' 2W 6000PSI LAN SW X SO	
2	8.707-185.0	1	NIPPLE, 3/8"	
3	8.707-182.0	1	COUPLER, SCREW	
4	8.751-234.0	1	GUN, LANDA, L1050, 5000 PSI, 10.4 GPM	
5	8.711-297.0	1	LANCE, SS 35.4	
6	8.711-371.0	1	NOZZLE 2503, TWO SPRAY GUN	
-	8.711-399.0	1	NOZZLE 2505.5, SINGLE SPRAY GUN	
-	8.711-370.0	1	NOZZLE ONLY, SA, 1/4", MEG1503	
-	8.711-397.0	1	NOZZLE ONLY, 1/4", MEG1505.5	
-	8.711-401.0	1	NOZZLE ONLY, SA, 1/4", MEG4005.5	



Wayne Burner EHASR AC Series

REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.756-436.0	1	MOTOR, 1/4 120V 50-60HZ	EHASR 5
2	13121	1	MOTOR CORD COVER	
3	8.700-730.0	1	BLOWER WHEEL, 5-.25' x 3-7/16(307000)	EHASR 4
-	8.756-438.0	1	FAN - 4.00"W X 6.25"D 1/2" BORE	EHASR 5
4	8.700-735.0	1	BURNER HOUSING EHASR	
5	8.700-802.0	1	IGNITOR, 120V, SIDE/EH-EHA MOUNT	
6	8.756-742.0	1	JUNCTION BOX, EHASR, BLACK BODY	
-	8.756-741.0	1	JUNCTION BOX, EHASR, BLACK COVER	
-	8.756-743.0	3	PLUG, HOLE, JUNCTION BOX, M&E	
7	13392	1	SLOT COVER PLATE	
8	8.700-732.0	1	BAND, AIR BURNER INNER EHA/SR	
9	8.700-729.0	1	AIR BAND 8 HOLE OUTER EHA/SR	
10	13279	1	COUPLING A/B PUMP	
11	8.700-704.0	1	OIL LINE, 6'	
12	8.756-290.0	1	FUEL PUMP, WCS - COMBO/W SOLENOID 120V	
13	8.700-692.0	2	GASKET, E & M SERIES BURNERS	
14	13494	1	BRASS 90° ELBOW	EHASR 5
15	8.756-704.0	1	ASSY, BURNER GUN, RG/SST/2"BB	EHASR 5
16	8.756-305.0	1	FLANGE, AIR TUBE, WELDED 1.75" "E"	
17	8.700-724.0	1	CONE 4A FOR/307000,003,007	EHASR 5

GUN ASSEMBLY DETAIL				
REF	PART NO.	QTY	DESCRIPTION	NOTES
1	21913-SER	1	NOZZLE ADAPTER	
2	21923-001	1	ELECTRODE SUPPORT KIT	
3	13286	1	STEM/INSULATOR KIT	
4	13078	1	CAD CELL MOUNT	
5	13276-002	1	BUSS BAR SUPPORT	
6	100850-001	1	CAD CELL WIRE TIE	
7	14295	1	OIL PIPE FITTING	

Specifications

Parts Specifications: Landa Pump

Model #	PUMP								
	PSI Nozzle	Pump Model	Part #	Pulley #	Pulley Part #	Bushing	Bushing Part #	Belt Size/Qty	Belt Part #
6-35824 E/M	05.5	LT6036/L	8.912-713.0	2BK90H	8.715-593.0	25 MM	9.802-403.0	BX39 (2)	9.802-418.0

ENGINE							
Size	Type	Model #	Part #	Pulley #	Pulley Part #	Bushing	Bushing Part #
24 HP	KOHLER	6-35824 E/M	8.753-906.0	3TB40	9.802-394.0	P2X1-1/2"	9.802-406.0

GENERATOR					
Pulley	Pulley Part #	Bushing	Bushing Parts #	Belt Size/Qty	Belt Part #
BK34H	9.802-378.0	7/8	8.715-633.0	BX22 (1)	9.802-412.0

Wayne Burner Specifications

Model #	Burner #	Fuel Nozzle w/100 PSI Check Valve
SDHW6-35824E/M	8.756-413.0	8.756-697.0

LANDA[®]

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