

SLT/SLX

Hot Water - Diesel Powered - Diesel/Oil Heated

Kubota Diesel Engine

LANDA®

Kärcher Group

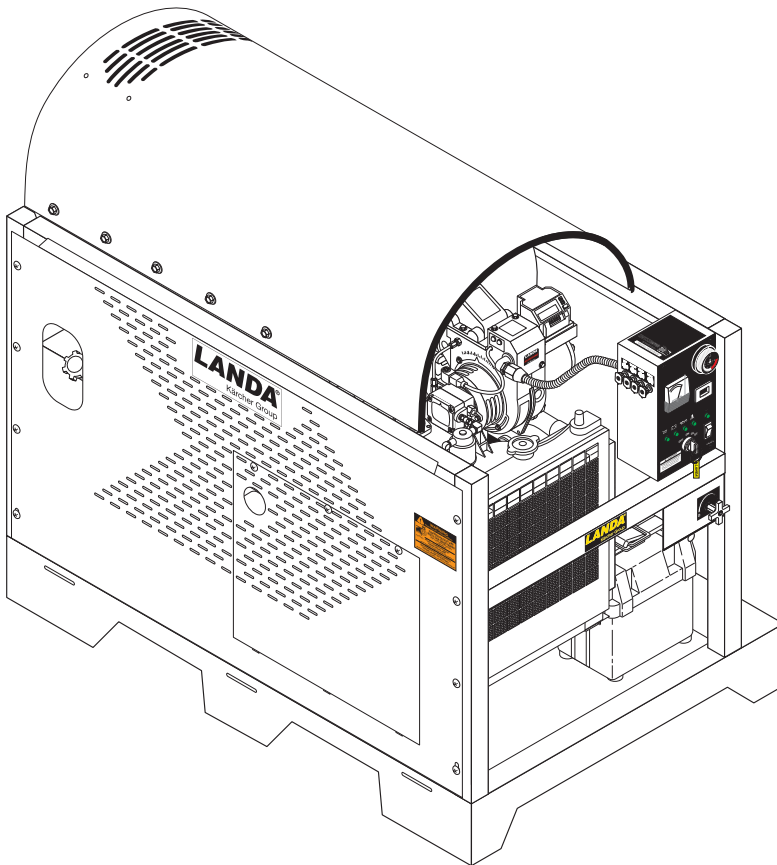
Dealer's Manual

Pressure Washer

MODELS: SLT6-32624E
1.110-065.0

SLT8-32624E
1.110-066.0

SLX10-32624E
1.110-067.0



For the Landa Dealer nearest you, consult our web page at www.landa.com



9.807-539.0 - AE 08/30/17

Machine Data Label

Model: _____

Date of Purchase: _____

Serial Number: _____

Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

Machine Data Label2
Table of Contents3
How To Use This Manual4

Safety

Introduction & Safety Information5
 Important Safety Information.6

Operations

Component Identification9
 Assembly Instructions10
 Operating Instructions11
 Detergents & General Washing Techniques.12
 Shut Down And Clean Up13
 Storage13

Maintenance

Check List14
 Unloader Valves14
 High Limit Hot Water Thermostat14
 Pumps14
 Removal of Soot and Heating Coil15
 Rupture Disk15
 Fuel15
 Burner Nozzle15
 Engine Oil15
 Electrodes Setting16
 Air Adjustment.16
 Landa Sure Fire Oil Burner17
 Coil Removal.17
 Coil Reinstallation17
 Maintenance Schedule18
 Kubota Engine Maintenance Schedule18
 Oil Change Record19
 Troubleshooting20

Parts

SLT Burner26
 SLT28
 SLX Burner34
 SLX36
 Control Panel42
 Pump.44
 Unloader46
 Engine48
 Spray Gun.50
 Surefire Burner "M/L"52
 Specifications56
 LT.2 Series Pump58
 LX.2 Series Pump60
 Beckett CF800 Burner62

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 of your machine is located on the back of the machine.

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:

- Check List
- Unloader Valves
- High Limit Hot Water Thermostat
- Pumps
- Cleaning Of Coils
- Removal Of Soot and Heating Coil
- Rupture Disk
- Fuel
- Burner Nozzle
- Electrodes Setting
- Air Adjustments
- Landa Sure Fire Oil Burner
- Coil Removal
- Coil Reinstallation
- Preventative Maintenance
- Troubleshooting

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 this Pressure Washer.

We reserve 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 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.

The operator must know how to stop the machine quickly and understand the operation of all controls. Never permit anyone to operate the engine without proper 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.

Engine Operation:

Read Engine manual provided before operating.

Important Safety Information



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

1. Read engine and this owner's manual thoroughly. Failure to follow instructions could cause malfunction of the machine and result in death, serious bodily injury and/or property damage.
2. Know how to stop the machine and bleed pressure quickly. Be thoroughly familiar with the controls.
3. Stay alert — watch what you are doing.



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

4. All installations must comply with local codes. Contact your electrician, plumber, utility company or the selling dealer for specific details.



WARNING: This machine exceeds 85 db appropriate ear protection must be worn.



WARNING: High pressure spray can cause paint chips or other particles to become airborne and fly at high speeds. To avoid personal injury, eye, hand and foot safety devices must be worn.

5. Always wear properly rated eye protection such as safety goggles or face shield while

spraying.

(Safety glasses do not provide full protection)

6. Keep operating area clear of all persons.



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

WARNING: Risk of explosion — Operate only where open flame or torch is permitted.



WARNING: Risk of fire — Do not add fuel when the product is operating or still hot.

WARNING: Do not use gasoline crankcase draining or oil containing gasoline, solvents or alcohol. Doing so will result in fire and/or explosion.

WARNING: Risk of fire — Do not spray flammable liquids.

7. 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.)

Diesel engines on mobile or portable equipment shall be refueled:

- a. outdoors;
- b. with the engine on the equipment stopped;
- c. with no source of ignition within 10 feet of the dispensing point; and
- d. with an allowance made for expansion of the fuel should the equipment be exposed to a higher ambient temperature.

In an overfilling situation, additional precautions are necessary to ensure that the situation is handled in a safe manner.

WARNING: Risk of injury. Disconnect battery ground terminal before servicing.

8. When in use, do not place machine near flammable objects as the engine is hot.
9. Oil burning appliances shall be installed only in locations where combustible dusts and flammable gases or vapors are not present. Do not store or use flammable materials near this machine.

10. Use Ultra Low Sulfur Diesel (ULSD) fuel standard ASTM D975.

11. **NEVER** use crankcase or waste oil in your burner. Fuel unit malfunction could result from contamination.



WARNING: Risk of injury. Hot surfaces can cause burns. Use only designated gripping areas of spray gun and wand. Do not place hands or feet on non-insulated areas of the pressure washer.

12. Transport/Repair with fuel tank EMPTY or with fuel shut-off valve OFF.



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

WARNING: This machine produces hot water. Grasp only insulated components attached to protect the operator.

13. To reduce the risk of injury, close supervision is necessary when a machine is used near children. Do not allow children to operate the pressure washer. **This machine must be attended during operation.**



WARNING: Grip cleaning wand securely with both hands before starting. Failure to do this could result in injury from a whipping wand.

14. Never make adjustments on machine while in operation.

15. Be certain all quick coupler fittings are secured before using pressure washer.



WARNING: High pressure developed by these machines will cause personal injury or equipment damage. Keep clear of nozzle. Use caution when operating. Do not direct discharge stream at people or animals, or severe injury or death will result.



WARNING: Protect machine from freezing.

16. To keep machine in best operating conditions, it is important you protect machine from freezing. Failure to protect machine from freezing could cause malfunction of the machine and result in death, serious bodily injury, and/or property damage. Follow storage instructions specified in this manual.

17. Inlet water must be clean fresh water and no hotter than 90°F.



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

18. Running this product indoors can result in death due to carbon monoxide, a poisonous gas you cannot see or smell. Never operate indoors even if windows and doors are open.

19. Manufacturer will not be liable for any changes made to our standard machines or any components not purchased from us.

20. The best insurance against an accident is precaution and knowledge of the machine.



WARNING: Be extremely careful when using a ladder, scaffolding or any other relatively unstable location. The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.

Safety

21. Do not allow acids, caustic or abrasive fluids to pass through the pump.
22. Never run pump dry or leave spray gun closed longer than 1-2 minutes.
23. Machines with shut-off 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.
24. Protect discharge hose from vehicle traffic and sharp objects. Inspect condition of high pressure hose before using or bodily injury may result.
25. 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.
26. Do not overreach or stand on unstable support. Keep good footing and balance at all times.
27. Do not operate this machine when fatigued or under the influence of alcohol, prescription medications, or drugs.

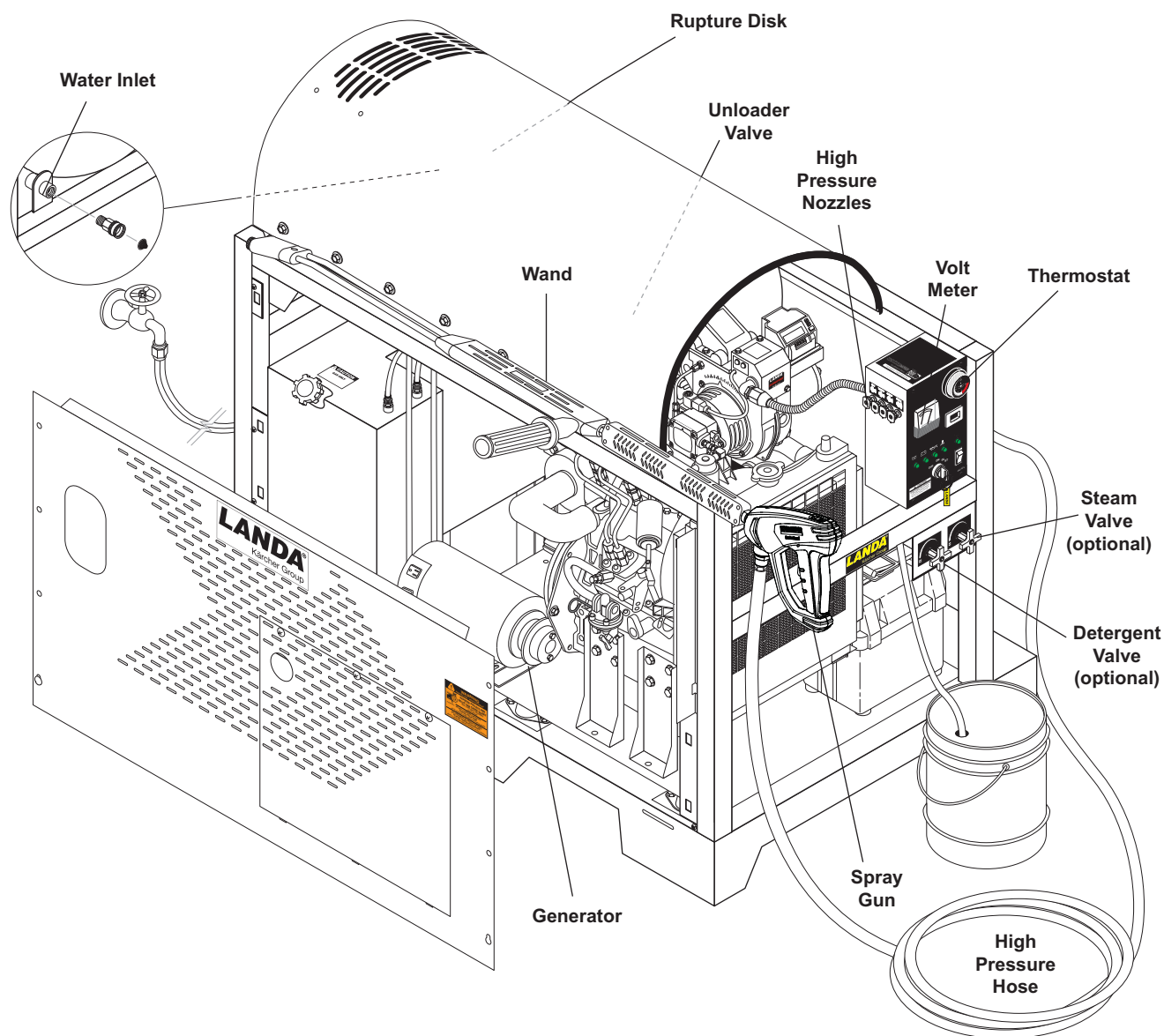


Warning: Do not spray machine or any people, animals or electrical parts.



Follow the maintenance instructions specified in the manual.

Component Identification



Pump — Delivers a specific gpm to the high pressure nozzle which develops pressure.

Spray Gun — Controls the application of water and detergent onto cleaning surface with trigger device. Includes safety latch.

Detergent Valve — Allows you to siphon and mix detergents.

Wand — Must be connected to the spray gun.

High Pressure Hose — Connect one end to water pump high pressure discharge nipple and the other end to spray gun.

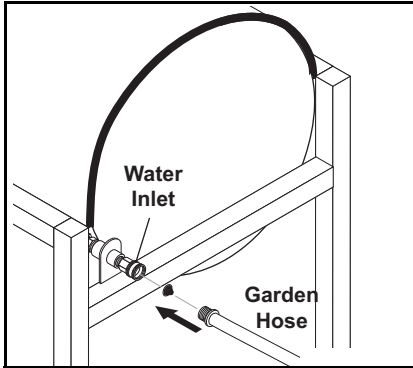
Rupture Disk — Secondary pressure release in the unlikely event the unloader valve fails.

Unloader Valve — Safety device which, when the spray gun closes, prevents over pressurization.

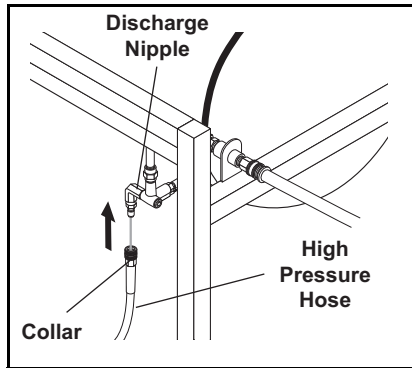
Generator — Provides 110V power to the burner assembly.

NOTE: *If trigger on spray gun is released for more than 2 minutes, water will leak from the pump protector. Warm water will discharge from pump protector onto floor. This system prevents internal pump damage.*

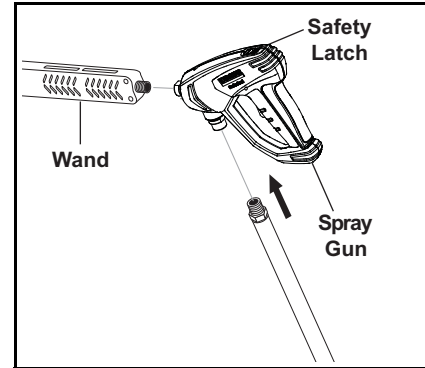
Assembly Instructions



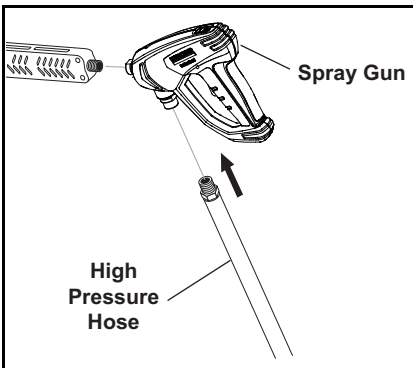
STEP 1: Attach a 5/8" water supply hose to inlet connector. Minimum flow should be 10 GPM depending on model of machine.



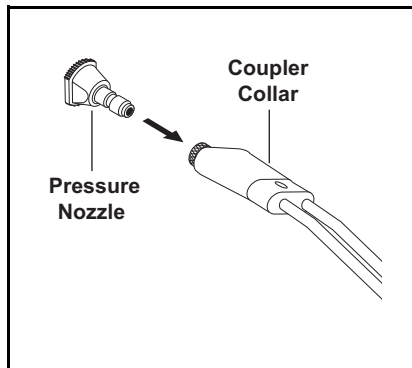
STEP 2: Attach high pressure hose to discharge nipple using quick coupler. Lock coupler securely by pulling back coupler collar, inserting onto discharge nipple and pushing collar forward until secure.



STEP 3: Attach variable pressure control wand to spray gun using teflon tape on threads to prevent leakage.

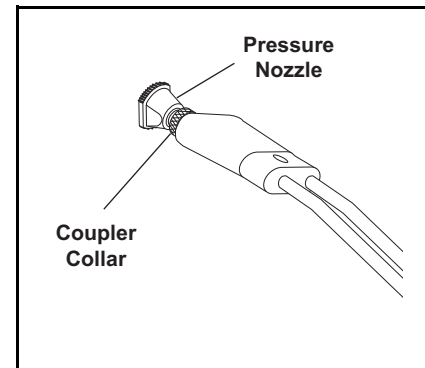


STEP 4: Attach the high pressure hose to the spray gun using teflon tape on hose threads.

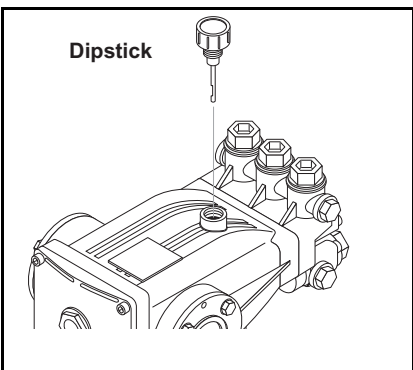


STEP 5: Before installing nozzle, turn on water supply and run machine allowing water to flush through the system until clear. Pull the spring-loaded collar of the wand coupler collar back to insert your choice of pressure nozzle.

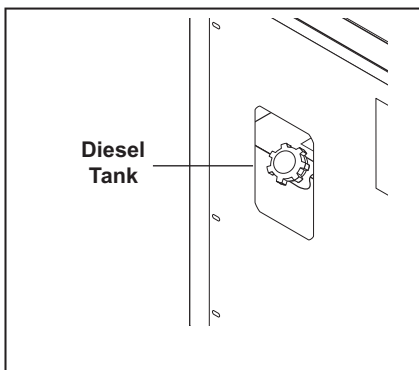
CAUTION: Never replace nozzles without engaging the safety latch on the spray gun trigger.



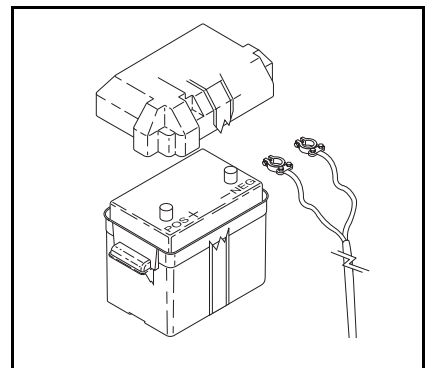
STEP 6: Release the coupler collar and push the nozzle until the collar clicks. Pull the nozzle to make sure it is seated properly.



STEP 7: Check oil level by using supplied dip-stick. Use SAE 10W-40 non-foaming only.

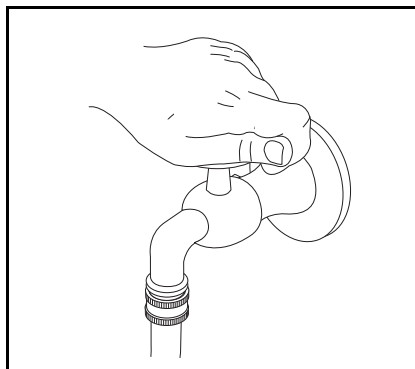


STEP 8: Fill diesel tank.

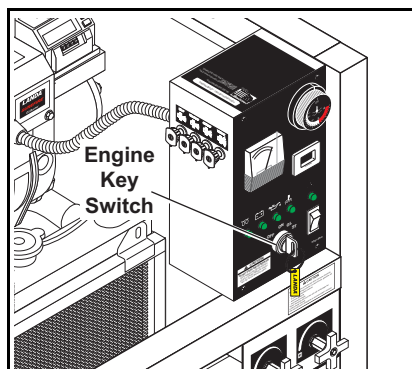


STEP 9: Install proper battery making sure that the red cable is attached to the positive terminal. Use a 12V group 24 style battery with 550 Cranking amp rating.

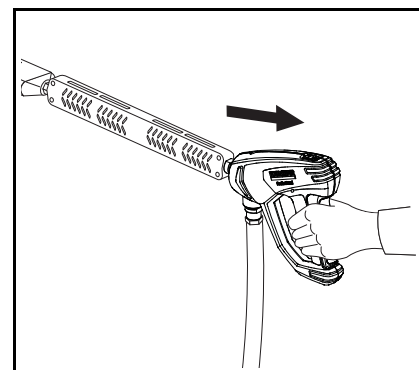
Operating Instructions



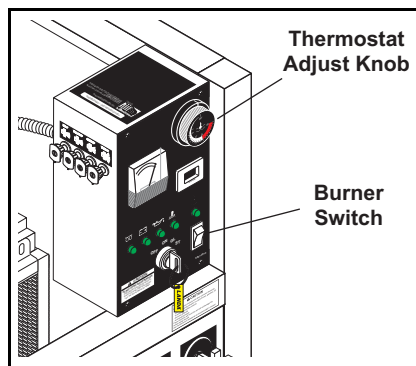
STEP 1: Read engine warning and operating instructions prior to turning on the water. Check for water leaks; tighten as needed.



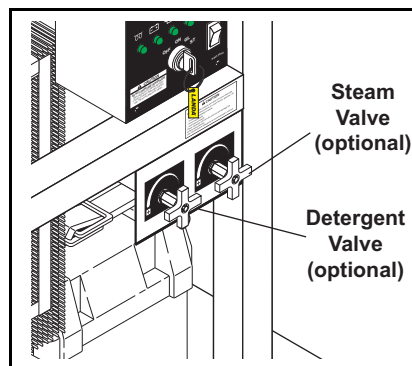
STEP 2: Read engine manual provided. The keyed ignition is located on the control panel. Simply turn key to first position. Glow plug light will illuminate. When light goes out, turn key to start (second) position.



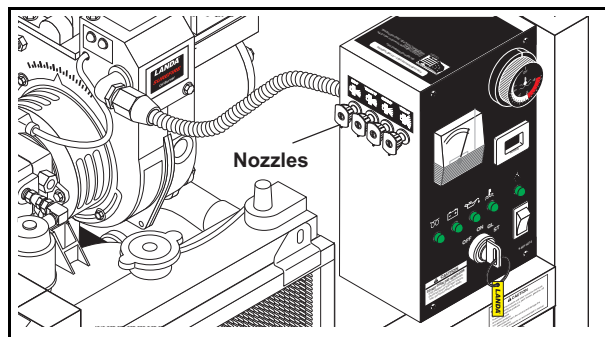
STEP 3: With the spray nozzle pointed away from you or anybody else, press the trigger on the spray gun to obtain pressurized cold water spray.



STEP 4: For hot water, turn the thermostat knob to 210° then push the burner switch to ON when a steady stream of water flows out of the spray gun. Burner will now light automatically. **NOTE:** Do not start machine with burner switch on.



STEP 5: For steam, open the steam valve counterclockwise. This lowers the pressure and raises the temperature.

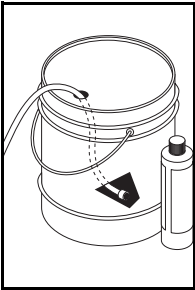


STEP 6: The four color-coded quick connect nozzles provide a wide array of spray widths from 0° to 45° and are easily accessible when placed in the convenient rubber nozzle holder, which is provided on the front of the machine. **NOTE:** For a more gentle rinse, select the white 40° or green 25° nozzle. To scour the surface, select the yellow 15° or red 0° nozzle.

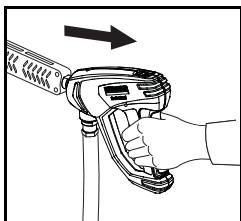
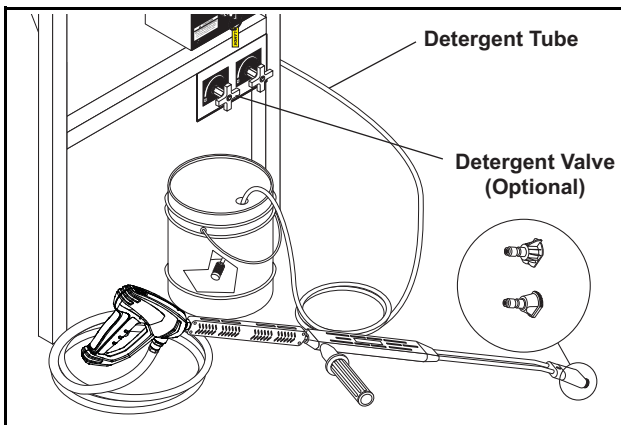
Detergents & General Washing Techniques



WARNING: Some detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning. The harmful elements may cause property damage or severe injury.



STEP 1: Use detergent designed specifically for pressure washers. Household detergents could damage the pump. Prepare detergent solution as required by the manufacturer. Fill a container with pressure washer detergent. Place the filter end of detergent suction tube into the detergent container.



STEP 2: With the engine running, pull trigger to operate machine. Liquid detergent is drawn into the machine and mixed with water. Apply detergent to work area. Do not allow detergent to dry on surface.

IMPORTANT: You must flush the detergent after each use by placing the suction tube into a bucket of clean water, open detergent valves then run the pressure washer for 1-2 minutes.

Thermal Pump Protection

If you run your pressure washer for 3-5 minutes without pressing the trigger on the spray gun, circulating water in the pump can reach high temperatures. When the

water reaches this temperature, the pump protector engages and cools the pump by discharging the warm water onto the ground. This thermal device prevents internal damage to the pump.

Cleaning Tips

Pre-rinse cleaning surface with fresh water. Place detergent suction tube directly into cleaning solution and apply to surface at low pressure (for best results, limit your work area to sections approximately 6 feet square and always apply detergent from bottom to top). Allow detergent to remain on surface 1-3 minutes. Do not allow detergent to dry on surface. If surface appears to be drying, simply wet down surface with fresh water. If needed, use brush to remove stubborn dirt. Rinse at high pressure from top to bottom in an even sweeping motion keeping the spray nozzle approximately 1 foot from cleaning surface. Use overlapping strokes as you clean and rinse any surface. For best surface cleaning action spray at a slight angle.

Recommendations:

- Before cleaning any surface, an inconspicuous area should be cleaned to test spray pattern and distance for maximum cleaning results.
- If painted surfaces are peeling or chipping, use extreme caution as pressure washer may remove the loose paint from the surface.
- Keep the spray nozzle a safe distance from the surface you plan to clean. High pressure wash a small area, then check the surface for damage. If no damage is found, continue to pressure washing.

! CAUTION - Never use:

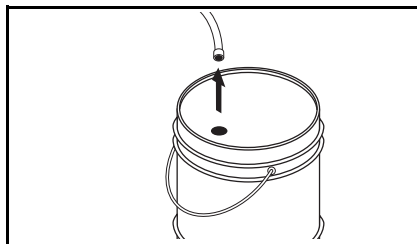
- Bleach, chlorine products and other corrosive chemicals
- Liquids containing solvents (i.e., paint thinner, gasoline, oils)
- Tri-sodium phosphate products
- Ammonia products
- Acid-based products

These chemicals will harm the machine and will damage the surface being cleaned.

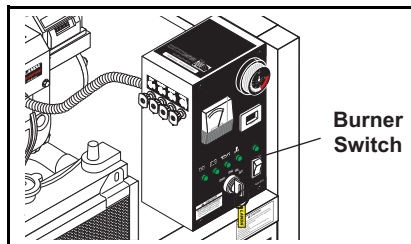
Rinsing

It will take a few seconds for the detergent to clear. Apply safety latch to spray gun and close detergent valve. Select and install the desired high pressure nozzle.

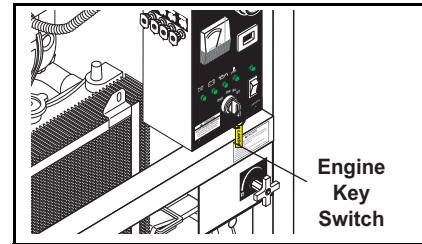
Shut Down And Clean Up



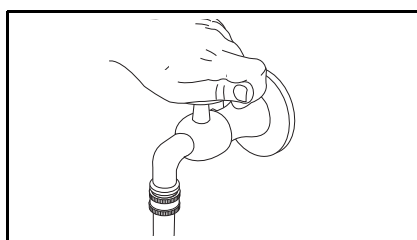
STEP 1: Remove detergent suction tube from container and insert into one gallon of fresh water. Open detergent valve, pull trigger on spray gun and siphon water for one minute.



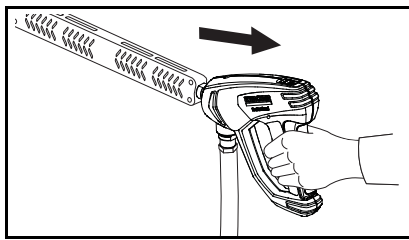
STEP 2: Turn burner switch off and continue spraying, allowing the water to cool to below 100°.



STEP 3: Turn engine key switch off.



STEP 4: Turn off water supply.



STEP 5: Squeeze trigger on spray gun to relieve remaining pressure.

Storage

CAUTION: Always store your pressure washer in a location where the temperature will not fall below 32°F (0°C). The pump in this machine is susceptible to permanent damage if frozen. **FREEZE DAMAGE IS NOT COVERED BY WARRANTY.**

1. Stop the pressure washer, squeeze spray gun trigger to release pressure.
2. Detach water supply hose and high pressure hose.
3. Turn on the machine for a few seconds, until remaining water exits. Turn engine off immediately.
4. Drain the fuel and oil from the engine.
5. Do not allow high pressure hose to become kinked.
6. Store the machine and accessories in a room which does not reach freezing temperatures.

CAUTION: Failure to follow the above directions will result in damage to your pressure washer.

When the pressure washer is not being operated or is being stored for more than one month, follow these instructions:

1. Replenish engine oil to upper level.
2. Drain diesel from fuel tank, fuel line, fuel valve and carburetor.
3. Pour about one teaspoon of engine oil through the spark plug hole, pull the starter grip several times and replace the plug. Then pull the starter grip

slowly until you feel increased pressure which indicates the piston is on its compression stroke and leave it in that position. This closes both the intake and exhaust valves to prevent rusting of cylinder.

4. Cover the pressure washer and store in a clean, dry place that is well ventilated away from open flame or sparks. **NOTE:** The use of a fuel additive, such as STA-BIL[®], or an equivalent, will minimize the formulation of fuel deposits during shortage. Such additives may be added to the gasoline in the fuel tank of the engine, or to the gasoline in a storage container.

After Extended Storage



CAUTION: Prior to restarting, thaw out any possible ice from pressure washer hoses, spray gun or wand.

Engine Maintenance

During the winter months, rare atmospheric conditions may develop which will cause an icing condition in the carburetor. If this develops, the engine may run rough, lose power and may stall. This temporary condition can be overcome by deflecting some of the hot air from the engine over the carburetor area. **NOTE:** Refer to the engine manufacturer's manual for service and maintenance of the engine.

Maintenance And Service

Check List

1. Check to see that water pump is properly lubricated.
2. Follow winterizing instructions 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 cleaning products.
7. Never run pump dry for extended periods of time.
8. Use clean diesel. Clean or replace fuel filter every 300 hours or 6 months of operation. Avoid water contaminated fuel as it will damage the fuel pump.
9. If machine is operated with smoky or eye burning exhaust, coils will soot up, not letting water reach maximum operating temperature.
10. Never allow water to be sprayed on or near the engine or burner assembly or any electrical component.
11. Periodically descale 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 equipment clean and dry.

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

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

Unloader Valves

Unloader valves are preset and tested at the factory before shipping. Tampering with the factory setting may cause personal injury and/or property damage, and will void the manufacturers warranty.

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 32°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. Turn the engine on to siphon the anti-freeze mixture through the machine. If compressed air is available, an air fitting can be screwed into the float tank by removing the float tank strainer and fitting. Then inject the compressed air. Water will be blown out of the machine when the trigger on the spray gun is opened.

High Limit Hot Water Thermostat

For safety, each machine is equipped with a temperature sensitive high limit control switch. In the event that the water should exceed its operating temperature, the high limit control will turn the burner off until the water cools then automatically reset itself. The thermostat sensor is located on the discharge side of the heating coil. The thermostat control dial is located on the control panel.

Pumps

Use only SAE 10W -40 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 through use of dipstick found on top of pump, or the red dot visible through the oil gauge window. Oil should be maintained at that level.

Cleaning of Coils

In alkaline water areas, lime deposits can accumulate rapidly inside the heating coil. This growth is increased by the extreme heat build up in the coil. The best preventative for liming conditions is to use high quality cleaning detergents. 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 coil becomes plugged.

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

Removal of Soot and Heating Coil

In the heating process, fuel residue in the form of soot deposits may develop between the heating coil pipe and block air flow which will affect 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).

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.

Fuel

Diesel fuel must be clean, fresh, meet fuel specifications and be sourced from a known and reputable supplier. Clean, fresh and properly specified diesel fuel will provide assurances of maximum engine performance and maximum fuel injection system longevity. The use of out-of-spec, dirty or questionable quality diesel fuel will result in engine performance and start ability problems as well as reductions in engine and fuel injection system life.

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

The fuel tank is for both the engine and burner. The engine requires specific fuel recommendations which should be used for both engine and burner.

Diesel engines are designed to operate on Ultra Low Sulfur Diesel fuel. However, some geographical areas, change the diesel fuel supply depot to No. 1 diesel fuel in the winter months because of the cool winter temperatures. No. 2 diesel fuel provides maximum viscosity and lubricity but can have "waxing" problems at lower temperatures. We expressly recommend the use of No. 2 diesel fuels when temperatures are at or above 14°F. We recommend that No. 1 diesel fuel be used when temperatures are at or below 14°F. The use of either EPA-high sulfur, off-highway diesel fuel or EPA-low sulfur, on-highway fuel for non-CARB certified engines is allowed. CARB certified engines must consume only EPA-low sulfur diesel fuels conforming to EPA 40 CFR 86-113-94.

We do not recommend the use of "heating oil", blended fuel/waste engine oil or low grade diesel fuel of any kind. The use of aviation fuels - JP4, JP5 or JP8 must be approved on an application basis and is not recommended for broad range commercial applications.

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 flows through it. When the 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 the combustion smoke normally associated with machines incorporating a 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 the burner is not firing when the spray gun is in the OFF position.

Fuel Pressure Adjustment

To control water temperature, adjust fuel pressure by turning the regulating pressure adjusting screw clockwise to increase, counterclockwise to decrease. Do not exceed 200 psi.

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

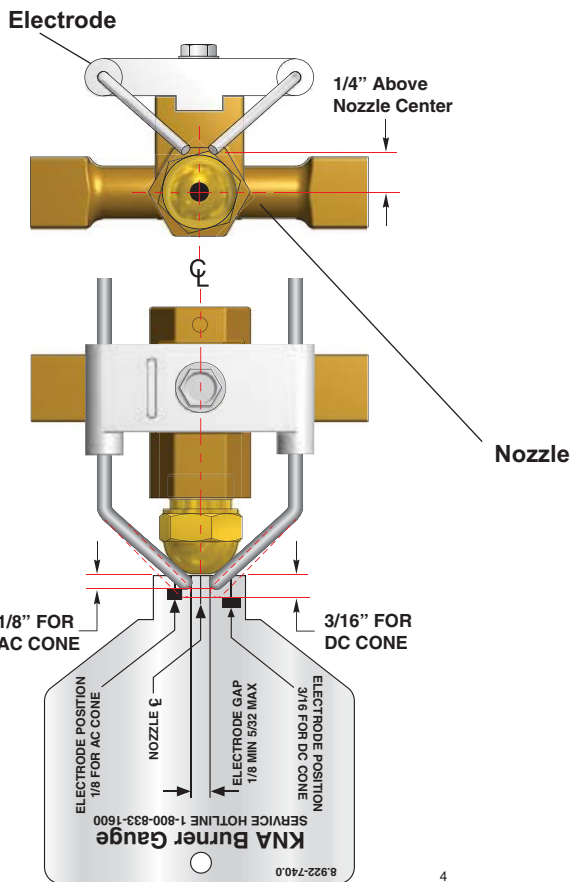
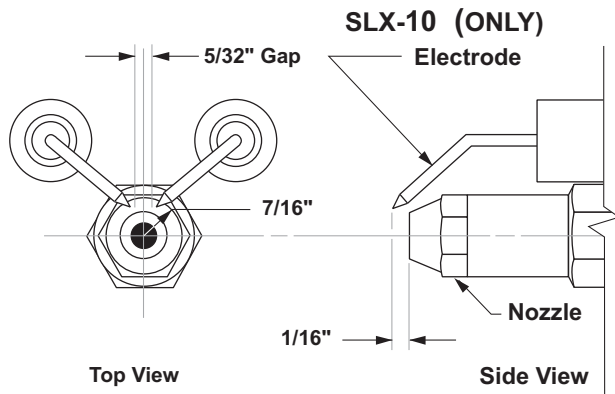
Burner Nozzle

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

Engine Oil

Kubota recommends engine oil 10W-30 API rating of CF or higher.

Electrodes Setting



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

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 setting. Adjust air band for a #1 or #2 smoke spot on the Bacharach scale. If a smoky or eye-burning exhaust is being emitted from the stack, two things should be checked. First, check the air adjustment on the burner. An oily, smoky fire indicates a lack of air and the air band should be moved to allow the air to flow through the burner. Sharp eye-burning fumes indicate too much air flowing through the combustion chamber. The air band should be readjusted to allow less air to flow through the burner.

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

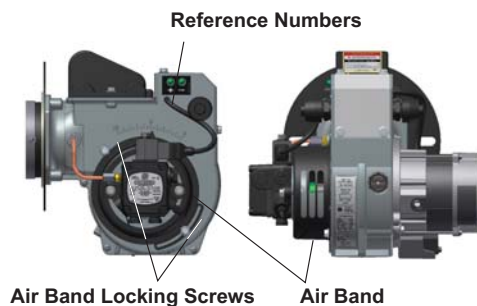
If the desired position cannot be obtained using only the air shutter, lock the air shutter in as close a position as can be obtained, then repeat the above procedure on the air band setting.

Landa Sure Fire Oil Burner

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.

Sure Fire Burner Air Adjustment



CAUTION: If white smoke appears from burner exhaust vent during start-up or operation, discontinue use and read just air bands.

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

Coil Removal

Removal of 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. Carefully disconnect the thermostat sensor making sure you do not crimp the capillary tube.
3. Remove burner assembly from combustion chamber.
4. Remove the 3-3/8" bolts from each side of coil and tank assembly (these bolts are used to fasten tank to chassis).
5. Remove fittings connected to the 1/2" pipe nipples from inlet and discharge sides of coil.
6. Remove top tank wrap, bend back insulation tabs and fold back blanket.
7. Remove bolts that hold down coil to bottom wrap.
8. Remove coil.
9. Replace or repair any insulation found to be torn or broken.
10. Remove insulation retainer plates.

Coil Reinstallation

To reinstall new or cleaned coil, reverse steps 9 through 1.

Preventative Maintenance

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

The following is the basic maintenance information for the Kubota engine:

Kubota Engine Maintenance Schedule		
Engine Oil SAE 10W-30 API CF rating Cj-4	Inspect	Oil level daily
	Oil & Filter Change	After first 50 hours, then every 200 hours
Lubrication		SAE Multi-Purpose Type Grease
Air Cleaner Element		Clean every 100 hours
Radiator Screen		Clean every 50 hours
Fuel Filter		Replace every 300 hour

NOTE: Read Kubota engine manual for any maintenance or service questions.

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.
	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. Re-tape leaks with teflon tape.
	Faulty or mis-adjusted unloader valve	Adjust unloader for proper pressure. Install repair kit when needed.
	Worn packing in pump	Install new packing kit.
	Fouled or dirty inlet or discharge valves in pump	Clean inlet and discharge valves.
	Worn inlet or discharge valves	Replace with valve kit.
	Obstruction in spray nozzle	Remove obstruction.
	Leaking pressure control valve	Rebuild or replace as needed.
	Slow engine RPM	Set engine speed at proper specifications.
	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.	
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.
	Mis-adjusted 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. Test with pressure gauge.
	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 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 according to diagram in Operator's Manual.

PROBLEM	POSSIBLE CAUSE	SOLUTION
BURNER WILL NOT LIGHT (continued from previous page)	Fuel not reaching combustion chamber	Check fuel pump for proper flow. Check solenoid flow switch on machines with spray gun control, for proper on-off fuel flow control.
	Clogged burner nozzle	Clean as required.
	Thermostat faulty or slow engine speed	Increase engine RPM to increase voltage.
	Flow switch malfunction	Remove, test for continuity and replace as needed.
	Flow solenoid malfunction	Replace if needed.
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.
	Engine Altitude	The engine is preset for operation at altitudes below 1000 feet above sea level. If operated at higher altitudes, it may be necessary to adjust the engine. Contact your local authorized engine sales and service center for details.
MACHINE SMOKES WHILE BURNER UNIT IS RUNNING OR UNIT SMOKES AT COLD-START ONLY WHEN BURNER IS OFF	Fuel is improper or water is in fuel	Drain tank and replace contaminated fuel.
	Air adjustment is improper	Readjust air bands on burner assembly.
	Fuel pressure is low <140 psi for burner	Adjust fuel pump pressure to specifications.
	Burner nozzle spray pattern is faulty	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.
	Smoke stack has obstruction	Check for insulation blockage or other foreign objects.
	Engine RPM is low	Increase RPM to correct specs. See serial plate.
	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

PROBLEM	POSSIBLE CAUSE	SOLUTION
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 build-up on coils not allowing heat transfer	Clean coils.
	Improper burner nozzle	See specifications.
WATER TEMPERATURE TOO HOT	Incoming water to machine warm or hot	Lower incoming water temperature.
	Fuel pump pressure too high	See specifications for proper fuel pressure.
	Fuel pump defective	Replace fuel pump.
	Detergent line sucking air	Tighten all clamps. Check detergent lines for holes
	Defective temperature switch	Replace.
	Incorrect fuel nozzle size	See specifications for proper fuel nozzle.
	Insufficient water supplied	Check water G.P.M. to machine.
	Restricted water flow	Check nozzle for obstruction, proper size.
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 2 minutes.

PROBLEM	POSSIBLE CAUSE	SOLUTION
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.
	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.
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.
	Nozzle incorrectly sized	Check and replace if necessary (See serial plate for proper size).
	Unloader valve seat faulty	Check and replace if necessary.
	Worn piston packing	Check and replace if necessary.
BURNER MOTOR WILL NOT RUN	Fuel pump seized	Replace fuel pump.
	Burner fan loose or misaligned	Position correctly, tighten set screw.
	Defective control switch	Replace switch.
	Loose wire	Check and replace or tighten wiring.
	Defective burner motor	Replace motor.
RELIEF VALVE LEAKS WATER	Relief valve defective	Replace or repair.

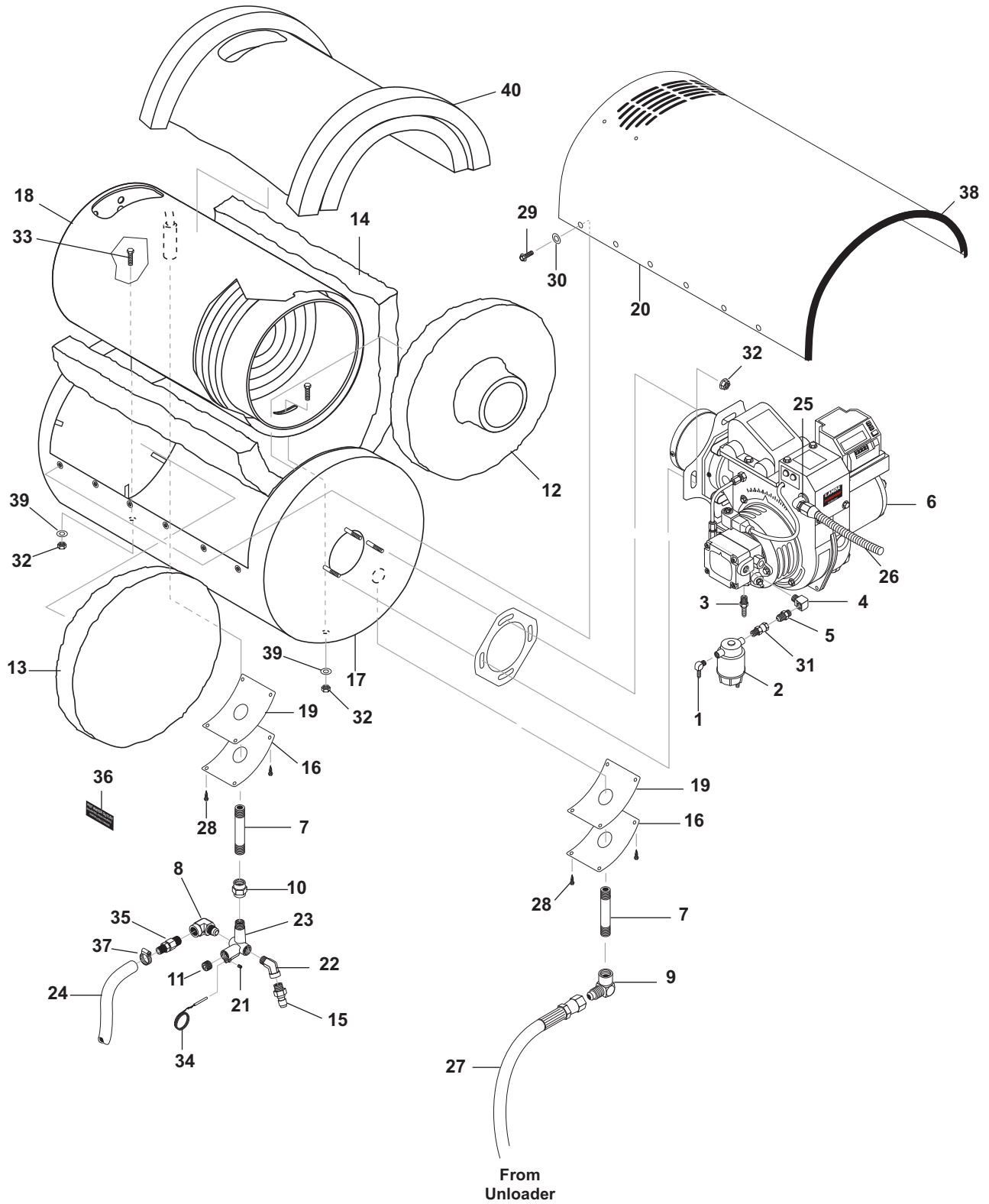
Parts

LANDA SLT/SLX

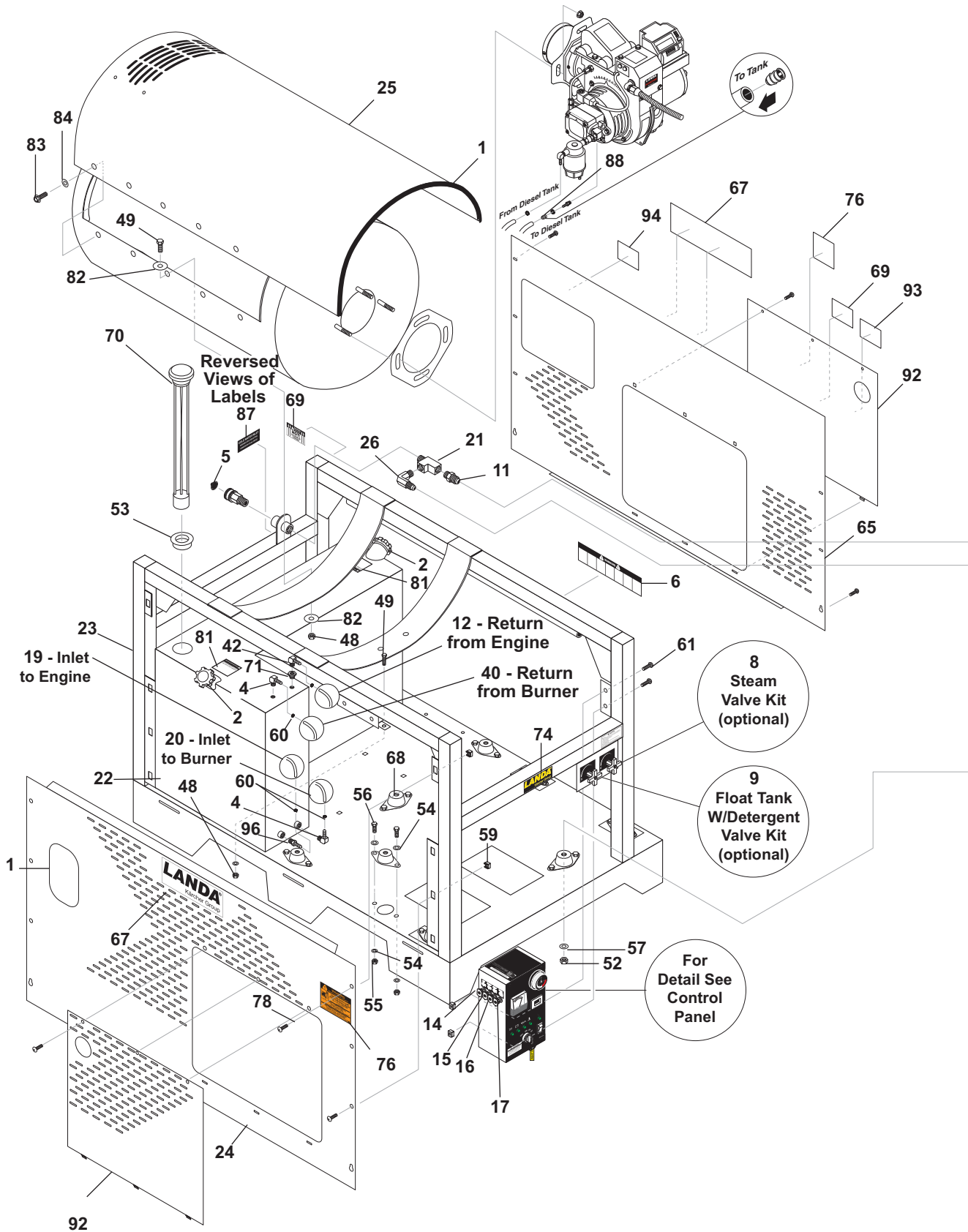
SLT6-32624E
1.110-065.0

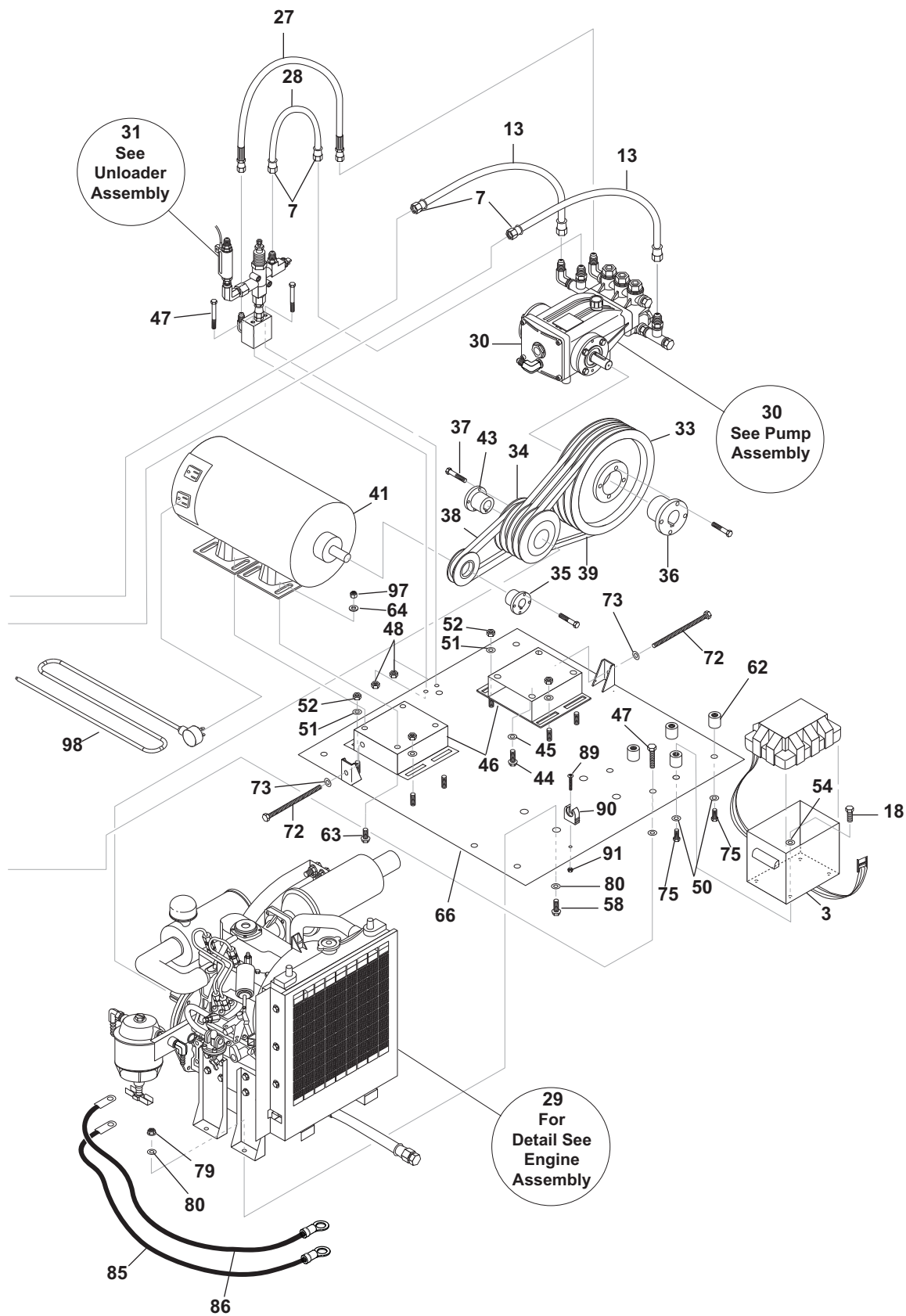
SLT8-32624E
1.110-066.0

SLX10-32624E
1.110-067.0



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.706-958.0	1	HOSE BARB, 1/4" BARB X 1/4" PIPE, 90°	
2	8.709-158.0	1	FILTER, FUEL/H2O SEPARATOR	
3	8.706-941.0	1	HOSE BARB, 1/4" BARB X 1/4" ML PIPE	
4	8.706-827.0	1	ELBOW, 1/4" STREET	
5	8.706-780.0	1	NIPPLE, MJIC	
6	8.920-960.0	1	BURNER, LANDA, 120V	6-32624E, 8-32624E
-	8.717-102.0	1	BURNER, BECKETT, CF800	10-32624E
-	8.717-367.0	1	NOZZLE, 4.50 80° B	10-32624E NOT SHOWN
-	8.755-048.0	1	NOZZLE, 4.00 80° B W/100 PSI CHECK VALVE	8-32624E NOT SHOWN
-	8.755-049.0	1	NOZZLE, 3.50 80° B W/100 PSI CHECK VALVE	6-32824E NOT SHOWN
7	9.802-013.0	2	NIPPLE, 1/2" X 2 1/2", GALVANIZED, SCH80	
8	9.802-024.0	1	ELBOW, 3/8" MPT X 1/2" FPT STREET, STEEL	
9	9.802-043.0	1	ELBOW, 1/2" JIC X 1/2" FEMALE, 90°	
10	8.706-141.0	1	COUPLING, 1/2" HEX PIPE	
11	8.706-248.0	1	PLUG, 3/8" ALLEN COUNTER SUNK	
12	8.717-474.0	1	INSULATION, TANK HEAD 24" W/HOLE	
13	8.717-475.0	1	INSULATION, TANK HEAD 24"	
14	8.717-476.0	1	INSULATION, 1 CUT BLANKET	
15	9.802-171.0	1	NIPPLE, 3/8" X 3/8", NPT ST MALE	
16	8.912-220.0	2	INSULATION RETAINER PLATE	
17	8.912-449.0	1	WRAP, BOTTOM, 24"	
18	8.912-736.0	1	ASSEMBLY, COIL SLT SKID	
19	8.933-009.0	2	GASKET, BURNER PLATE	
20	8.912-467.0	1	TOP WRAP	
21	9.196-012.0	1	SCREW, 10-24 X 1/4"	
22	9.802-041.0	1	ELBOW, 3/8" STREET 45°	
23	9.149-003.0	1	MANIFOLD COIL OUTLET DISCHARGE	
24	9.802-260.0	33"	HOSE, PUSH-ON 5/8"	
25	9.802-517.0	1	CONNECTOR, CONDUIT 90°	
26	8.716-011.0	18"	CONDUIT	
27	8.918-225.0	1	HOSE, 1/2" X 28" 2 WIRE	8-3200, 6-3200
28	9.802-797.0	8	SCREW, #10 X 1/2"	
29	9.803-541.0	10	SCREW, 5/16"-18 X 1/2" CS SOC, BN, NC, ZN	
30	9.802-776.0	10	WASHER, 5/16" FLAT	
31	8.752-113.0	1	ADAPTER 1/4" JIC X 1/4" MPT	
32	9.802-781.0	5	NUT, 3/8" NC, WHIZ LOC	
33	9.802-768.0	2	SCREW, 3/8 X 1-1/4, WHIZ	
34	8.750-095.0	1	THERMOSTAT, 120C/240°F	
35	8.707-381.0	1	RUPTURE DISC ASSY, 8500#	
36	9.800-021.0	1	LABEL, HOT WATER OUTLET	
37	9.803-559.0	1	CLAMP,SCREW, 9/16"W, 1-1/4"OD, SS	
38	9.802-071.0	36"	TRIM, BLACK	
39	9.802-811.0	10	WASHER, 3/8" X 1-1/2"	
40	8.755-185.0	2	INSULATION, BLANKET-NO FOIL,3"x 57"X 1"	



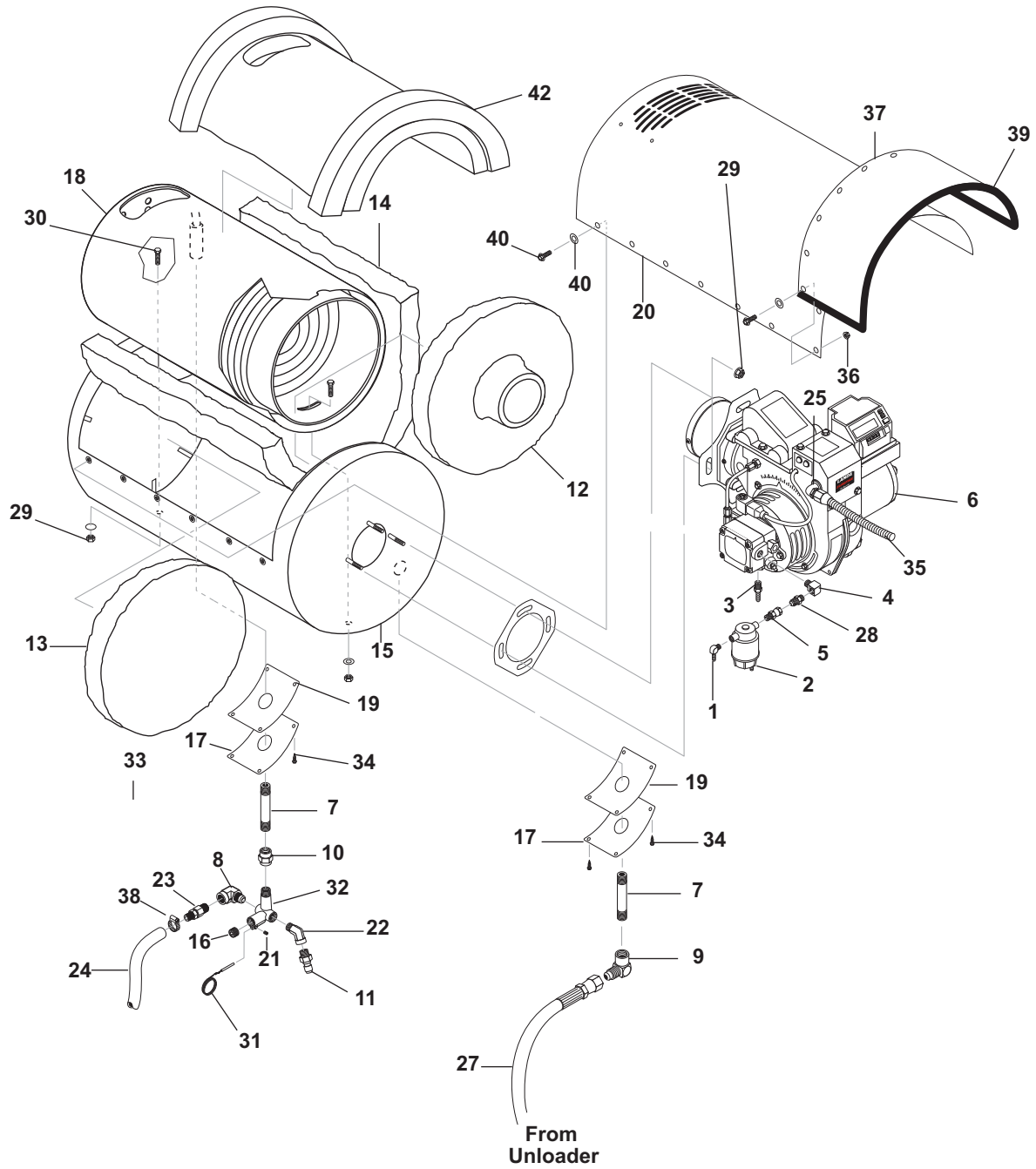


REF	PART NO.	QTY	DESCRIPTION	NOTES
1	9.802-071.0	48"	TRIM, 750 B2 X 1/16", BLACK	
2	9.802-082.0	2	CAP, FUEL	
3	8.706-600.0	1	BATTERY BOX, LARGE	
4	8.706-958.0	2	HOSE BARB, 1/4" BARB X 1/4" ML PIPE, 90°	
5	9.802-146.0	1	SWIVEL, 1/2" MP X 3/4" GHF W/STRAINER	
6	9.800-035.0	1	LABEL, WARNING PICTORIAL	
7	9.802-152.0	7	SWIVEL, 3/4" SAE FEMALE, PUSH-ON	
8	8.920-977.0	-	KIT, STEAM	
9	8.920-751.0	-	KIT, FLOAT TANK W/DETERGENT	
10	8.709-069.0	1	CLAMP, SCREW #4	NOT SHOWN
11	8.706-902.0	1	NIPPLE, 3/4" JIC X 1/2" NPT	
12	9.802-255.0	62"	HOSE, 3/16" PUSH-ON, FUEL LINE	NOT SHOWN
13	9.802-261.0	72"	HOSE, 3/4" PUSH-ON	
14	-	-	NOZZLE	SEE CONTROL PANEL PAGES
15	-	-	NOZZLE	SEE CONTROL PANEL PAGES
16	-	-	NOZZLE	SEE CONTROL PANEL PAGES
17	-	-	NOZZLE	SEE CONTROL PANEL PAGES
18	9.803-541.0	4	SCREW, 5/16 X 1/2"	
19	9.802-254.0	62"	HOSE, 1/4" PUSH-ON FUEL LINE	
20	9.802-254.0	74"	HOSE, 1/4" PUSH-ON, FUEL LINE	
21	8.706-860.0	1	TEE, 1/2", STREET	
22	8.912-485.0	1	ASSY, FUEL TANK, MILD STEEL	
23	8.920-992.0	1	ASSEMBLY, SLT DIESEL FRAME	
24	8.920-994.0	1	PANEL, SLT LEFT	
-	-	1	DIESEL COVER	
25	8.912-467.0	1	WRAP, TOP, SS, SLT	
26	9.802-137.0	1	ELBOW, 3/4" JIC X 1/2" MPT	
27	8.918-227.0	1	HOSE, 1/2" X 36", 2 WIRE, PRESSURE LOOP	(ALL)
28	9.802-261.0	24"	HOSE, 3/4" PUSH-ON	
29	-	-	ENGINE	SEE SPECIFICATIONS PAGES
30	-	-	PUMP ASSY	
31	-	-	UNLOADER	
32	-	-	PULLEY	SEE SPECIFICATIONS PAGES
33	-	-	PULLEY	SEE SPECIFICATIONS PAGES
34	-	-	PULLEY	SEE SPECIFICATIONS PAGES
35	-	-	BUSHING	SEE SPECIFICATIONS PAGES
36	-	-	BUSHING	SEE SPECIFICATIONS PAGES
37	-	-	BUSHING	SEE SPECIFICATIONS PAGES
38	-	-	BELT	SEE SPECIFICATIONS PAGES
39	-	-	BELT	SEE SPECIFICATIONS PAGES

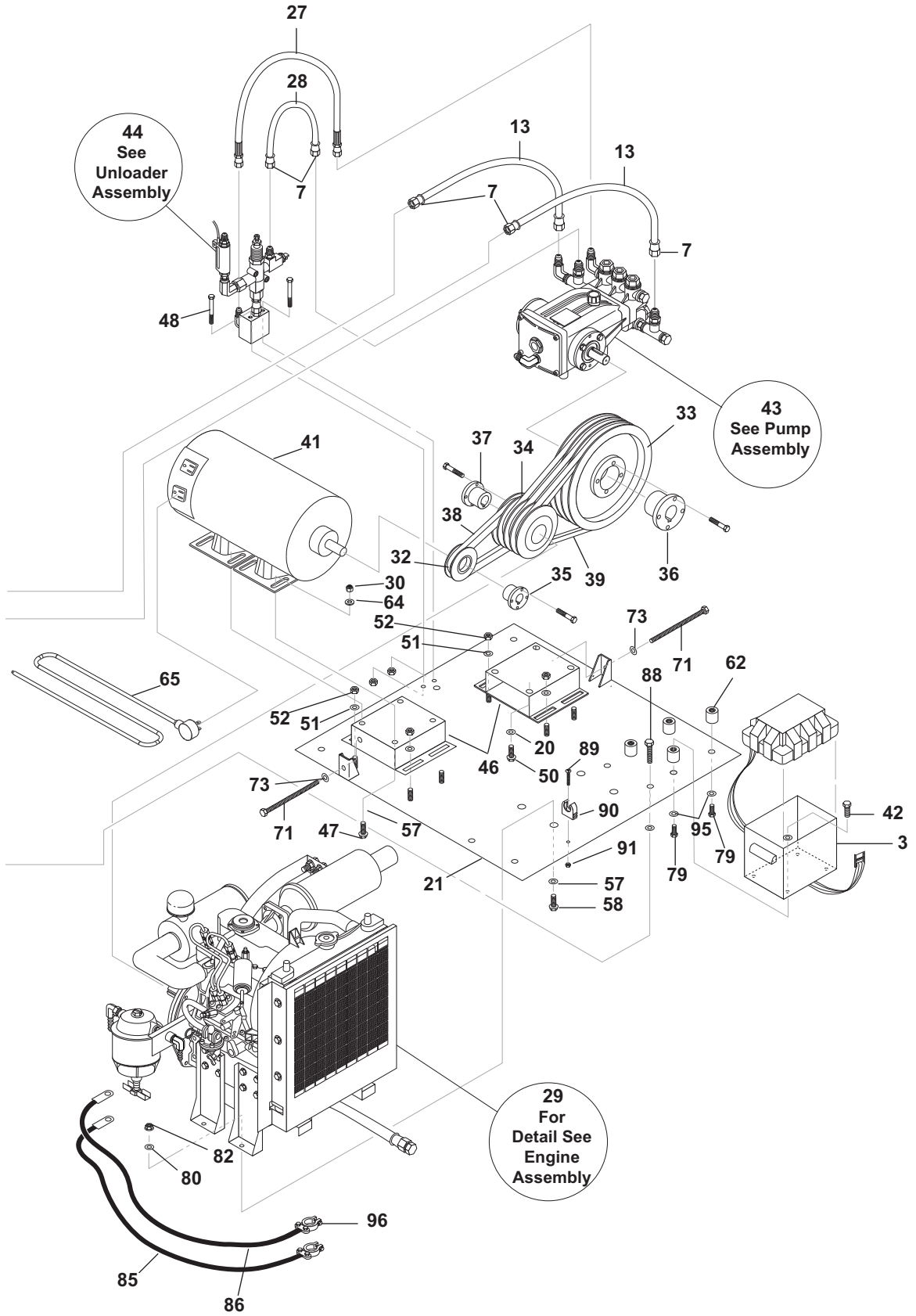
REF	PART NO.	QTY	DESCRIPTION	NOTES
40	9.802-254.0	74"	HOSE, 1/4" PUSH-ON, FUEL LINE	
41	8.716-610.0	1	GENERATOR, 2FSM2PC-1/A, WINCO	
42	8.706-962.0	1	HOSE BARB, 3/16" X 1/8" MPT, 90°	
43	-	-	BUSHING	SEE SPECIFICATIONS PAGES
44	8.751-870.0	4	SCREW, 10MM X 25MM	
45	8.718-961.0	4	WASHER, M10 SPLIT RING	
46	8.920-979.0	2	WLMT, DIESEL PUMP GEN	
47	9.802-730.0	10	BOLT, 3/8" X 2-1/2"	
48	9.802-781.0	20	NUT, 3/8" WHIZ LOC	
49	9.802-767.0	10	SCREW, 3/8" X 3/4" HH NC, WHIZ	
50	9.802-813.0	4	WASHER, 5/16 SPLIT RING WASHER	
51	9.802-099.0	9	WASHER, SNUBBING 3/8	
52	8.725-395.0	24	NUT, 3/8" ESNA, NC	
53	9.803-604.0	1	SLEEVE, FUEL GAUGE	
54	8.718-980.0	36	WASHER, 5/16" FLAT, SAE	
55	9.802-776.0	17	NUT, 5/16" ESNA, NC	
56	9.802-710.0	18	BOLT, 5/16" X 1", NC HH	
57	8.725-394.0	26	WASHER, 3/8" SAE, FLAT	
58	8.753-063.0	4	BOLT, 7/16" X 1-3/4"	
59	8.753-255.0	18	NUT, EXTRUDED U-NUT, 1/4" X 20	
60	8.709-069.0	f6	CLAMP, SCREW, 5/16" W, 1/4" X 5/8" D, SS	
61	9.802-754.0	4	SCREW, 1/4" X 1/2", HH NC, WHIZ LOC	
62	9.803-532.0	4	ISOLATER, 5/16"	
63	9.802-720.0	4	BOLT, 3/8" X 1", NC HH	
64	9.802-807.0	4	WASHER, 3/8", SAE, FLAT ZINC	
65	8.920-995.0	1	PANEL, RIGHT SIDE KUBOTA, SLT	
66	8.920-841.0	1	WLMT, POWER PLATFORM KUBOTA, SLT/SLX	
67	8.900-271.0	1	LABEL, LANDA/STRIPE	
68	8.706-505.0	8	ISOLATOR, VIBRATION MOUNT, 150 LB.	
69	9.800-006.0	3	LABEL, "HOT/CALIENTE"	
70	8.750-574.0	1	GAUGE, FUEL LEVEL 19"	
71	8.706-910.0	1	BUSHING, 1/4" X 1/8"	
72	9.803-845.0	2	BOLT, 1/2" X 5", NC	
73	9.802-800.0	2	WASHER, 1/2" FLAT	
74	8.900-300.0	1	LABEL, LANDA	
75	9.802-755.0	4	SCREW, 5/16" X 1-1/4"	
76	8.932-965.0	2	LABEL, WARNING-EXPOSED PULLEYS	
77	9.802-776.0	2	NUT, 5/16	
78	8.726-103.0	24	SCREW, 1/4" X 1/2" WHIZ	
79	8.725-319.0	41	NUT, 7/16" ESNA	

REF	PART NO.	QTY	DESCRIPTION	NOTES
80	8.718-988.0	4	WASHER, 7/16"	
81	8.932-960.0		LABEL, DIESEL	
82	9.802-811.0	8	WASHER, 3/8" FENDER	
83	9.803-541.0	10	SCREW, 5/16"-18 X 1/2" CS SOC, BN, NC, ZN	
84	8.718-980.0	10	WASHER, 5/16" FLAT	
85	8.716-481.0	1	CABLE, BATTERY, 29" BLACK, 4GA	
86	9.802-503.0	1	CABLE, BATTERY, RED	
87	9.800-020.0	1	LABEL, COLD WATER INLET	
88	8.754-911.0	1	CHECK VALVE, 1 WAY, 1/4" BARB	
89	9.802-762.0	1	SCREW, #10 X 1-1/4" PHILLIPS	

REF	PART NO.	QTY	DESCRIPTION	NOTES
90	9.802-203.0	1	CLAMP, 1/2" RO-CLIP	
91	9.802-695.0	1	NUT, 10/32"	
92	8.920-794.0	2	PANEL, ACCESS SLT/SLX KUBOTA	
93	8.940-051.0	1	LABEL, OPERATING INSTRUCTIONS	
94	9.800-021.0	1	LABEL, HOT WATER OUTLET	
95	9.802-776.0	3	NUT, 5/16 ESNA	
96	8.706-941.0	1	HOSE BARB, 1/4 X 1/4	
97	9.802-779.0	4	NUT, 3/8", ESNA, NC	
98	8.752-150.0	1	CORD, MOLDED, 14/3, SJEOW, 6 FT.	



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.706-958.0	1	HOSE BARB, 1/4" BARB X 1/4" PIPE, 90°	
2	8.709-158.0	1	FILTER, FUEL/H2O SEPARATOR	
3	8.706-941.0	1	HOSE BARB, 1/4" BARB X 1/4" ML PIPE	
4	8.706-827.0	1	ELBOW, 1/4" STREET	
5	8.706-780.0	1	NIPPLE, MJIC	
6	8.717-102.0	1	BURNER, CF800, 120V,	
-	8.920-960.0	1	BURNER, SUREFIRE M/L	
-	8.712-367.0	1	NOZZLE, 4.50 80° B	(10-25824E) NOT SHOWN
7	9.802-014.0	2	NIPPLE, 1/2" X 3", GALVANIZED, SCH80	
8	9.802-024.0	1	ELBOW, 3/8" MPT X 1/2" FPT STREET, STEEL	
9	9.802-043.0	1	ELBOW, 1/2" JIC X 1/2" FEMALE, 90°	
10	8.706-294.0	1	COUPLING, 1/2" HEX PIPE	
11	9.802-171.0	1	NIPPLE, 3/8" X 3/8" NPT ST MALE	
12	8.717-477.0	1	INSULATION, TANK HEAD 30" W/HOLE	
13	8.717-478.0	1	INSULATION, TANK HEAD 30"	
14	8.717-479.0	1	INSULATION, 1 CUT BLANKET	
15	8.911-234.0	1	WRAP, BOTTOM ASSY.	
16	8.706-248	1	PLUG, 3/8" ALLEN COUNTER SUNK	
17	8.912-220.0	2	INSULATION RETAINER PLATE	
18	8.912-250.0	1	COIL, SLX LARGE SCH 80	
19	8.933-009.0	2	GASKET, BURNER PLATE	
20	8.911-236.0	1	TOP WRAP, 16 GA, 304 S.S., #4 BRUSH	
21	9.196-012.0	1	SCREW, 10-24 X 1/4"	
22	9.802-041.0	1	ELBOW, 3/8" STREET 45°	
23	8.707-381.0	1	RUPTURE DISC ASSY, 8500#	
24	9.802-260.0	33"	HOSE, PUSH-ON 5/8"	
25	9.802-517.0	1	CONNECTOR, 1/2" L/T, 90°	
26	8.716-011.0	27"	CONDUIT, FLEXO 1/2" BLACK	NOT SHOWN
27	8.918-227.0	1	HOSE, 1/2" X 36", 2 WIRE	
28	8.752-113.0	1	ADAPTER 1/4" JIC X 1/4" MPT	
29	9.802-781.0	5	NUT, 3/8" WHIZ-LOC	
30	9.802-768.0	1	SCREW, 3/8 X 11/4	
31	8.750-095.0	1	THERMOSTAT	
32	9.149-003.0	1	MANIFOLD COIL OUT DISCHARGE	
33	9.800-021.0	1	LABEL, HOT WATER OUTLET	
34	9.802-797.0	8	SCREW, #10 X 1/2" HEX HEAD, TEK	
35	9.802-448.0	13"	CONDUIT, TIGHT FLEX	
36	9.802-778.0	9	NUT, 5/16" WHIZ LOC	
37	8.911-237.0	1	EXTENSION, TOP WRAP, 16 GA	
38	9.802-201.0	1	CLAMP, SCREW, 9/16"W, 3/8-7/8"D, SS	
39	9.802-071.0	48"	TRIM, BLACK	
40	9.803-541.0	16	SCREW, 5/16" X 1/2"	
41	9.802-776.0	16	WASHER, 5/16"	
42	8.755-185.0	2	INSULATION, BLANKET-NO FOIL, 3"x 57" X 1"	



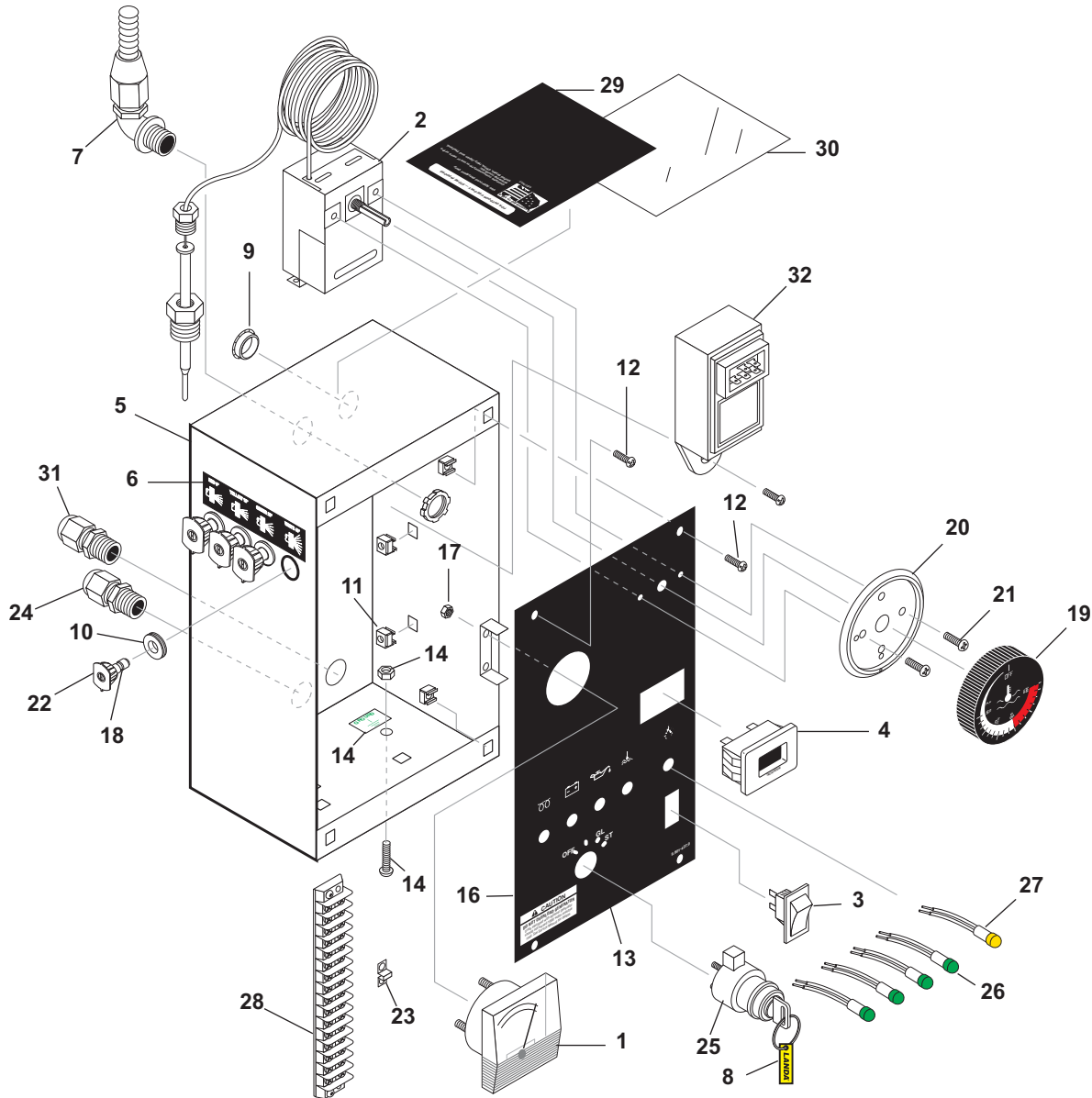
REF	PART NO.	QTY	DESCRIPTION	NOTES
1	9.802-071.0	48"	TRIM, 750 B2 X 1/16", BLACK	
2	9.802-082.0	2	CAP, 18 FUEL	
3	8.706-600.0	1	BATTERY BOX, LARGE	
4	8.706-958.0	3	HOSE BARB, 1/4" BARB x 1/4" MPT, 90 DGR	
5	9.802-146.0	1	SWIVEL, 1/2" MP X 3/4" GHF W/STRAINER	
6	9.800-035.0	1	LABEL, WARNING PICTORIAL	
7	9.802-152.0	7	SWIVEL, 3/4" SAE FEMALE, PUSH-ON	
8	8.920-977.0		KIT, STEAM	
9	8.920-751.0		KIT, FLOAT TANK W/DETERGENT	
10	8.709-069.0	6	CLAMP, SCREW #4	NOT SHOWN
11	8.706-902.0	1	NIPPLE, 3/4" JIC X 1/2" NPT	
12	9.802-255.0	1	HOSE, 3/16" X 55" PUSH-ON, FUEL LINE	NOT SHOWN
13	9.802-261.0	72"	HOSE, 3/4" PUSH-ON	
14	-	-	NOZZLE	SEE SPECIFICATIONS PAGES
15	-	-	NOZZLE	SEE SPECIFICATIONS PAGES
16	-	-	NOZZLE	SEE SPECIFICATIONS PAGES
17	-	-	NOZZLE	SEE SPECIFICATIONS PAGES
18	8.906-164.0	1	COIL ASSY, SLX	
19	8.906-444.0	1	CONTROL PANEL	SEE DETAIL PAGES
20	8.818-961.0	4	WASHER, M10 SPLIT RING	
21	8.920-841.0		WLMT, POWER PLATFORM KUBOTA, SLT/SLX	
22	8.912-481.0	1	ASSY, FUEL TANK, MILD STEEL	
23	8.920-991.0	1	ASSEMBLY, DIESEL FRAME	
24	8.920-993.0	1	PANEL, DIESEL COVER	
25	8.911-236.0	1	WRAP, TOP, SS	
26	9.802-132.0	1	ELBOW, 3/4" JIC X 1/2" MP	
27	8.918-227.0	1	HOSE, 1/2" X 36", 2 WIRE, PRESSURE LOOP	
28	9.802-261.0	24"	HOSE, 3/4" PUSH-ON	
29	-	1	ENGINE	SEE SPECIFICATIONS PAGES
30	9.802-720.0	4	BOLT, 3/8" X 1", NC HH	
31	9.802-781.0	10	NUT, 3/8" WHIZ	
32	-	-	PULLEY	SEE SPECIFICATIONS PAGES
33	-	-	PULLEY	SEE SPECIFICATIONS PAGES
34	-	-	PULLEY	SEE SPECIFICATIONS PAGES
35	-	-	BUSHING	SEE SPECIFICATIONS PAGES
36	-	-	BUSHING	SEE SPECIFICATIONS PAGES
37	-	-	BUSHING	SEE SPECIFICATIONS PAGES
38	-	-	BELT	SEE SPECIFICATIONS PAGES
39	-	-	BELT	SEE SPECIFICATIONS PAGES

REF	PART NO.	QTY	DESCRIPTION	NOTES
40	8.706-860.0	1	TEE, 1/2", STREET	
41	8.716-610.0	1	GENERATOR, 2FSM2PC-1/A, WINCO	
42	9.803-541.0	2	SCREW, 5/16 X 1/2"	
43	-	-	PUMP ASSY	
44	-	-	UNLOADER	
45	8.751-870.0	16	WASHER, 3/8"	
46	8.920-979.0	1	WLMT, DIESEL. PUMP GEN	
47	9.802-807.0	4	WASHER, 3/8", SAE, FLAT ZINC	
48	9.802-730.0	2	BOLT, 3/8" X 2-1/2"	
49	9.802-767.0	14	SCREW, 3/8" X 3/4" HH NC, WHIZ	
50	9.751-870.0	4	SCREW, 10 MM X 25 MM	
51	9.802-099.0	9	WASHER, SNUBBING	
52	8.725-395.0	24	NUT, 3/8" ESNA, NC	
53	8.706-962.0	1	HOSE BARB, 3/16" 1/8" MPT, 90°	
54	8.718-980.0	36	WASHER, 5/16" FLAT, SAE	
55	9.718-618.0	18	BOLT, 5/16 X 3/4"	
56	9.802-710.0	18	BOLT, 5/16" X 1", NC HH	
57	9.802-807.0	26	WASHER, 3/8" SAE, FLAT	
58	9.802-725.0	4	BOLT, 3/8" X 1-1/2", HH NC GRD 8	
59	8.753-255.0	22	NUT, CAGE, 1/4" X U-NUT	
60	6.390-126.0	6	CLAMP, HOSE, .46-, .54 ST	
61	9.802-754.0	4	SCREW, 1/4" X 1/2", HH NC, WHIZ LOC	
62	9.803-532.0	4	ISOLATER, 5/16"	
63	9.802-779.0	4	NUT, 3/8", ESNA, NC	
64	8.920-793.0	1	PANEL, RIGHT SIDE KUBOTA, SLX	
65	8.752-150.0	1	CORD, MOLDED, 14/3, SJEOW, 6 FT	NOT SHOWN
66	9.802-811.0	8	WASHER, 3/8" FENDER	
67	8.900-271.0	1	LABEL, LANDA/STRIPE	
68	8.706-505.0	8	ISOLATOR, VIBRATION MOUNT, 150 LB.	
69	9.800-006.0	3	LABEL, "HOT/CALIENTE"	
70	9.802-254.0	2	HOSE, 1/4" X 76" PUSH-ON, FUEL LINE	
71	9.803-845.0	2	BOLT, 1/2" X 5", NC HH TAP	
72	8.750-574.0	1	GAUGES, FUEL LEVEL 19"	
73	9.802-800.0	2	WASHER, 1/2" FLAT	
74	8.900-300.0	1	LABEL, LANDA	
75	9.803-604.0	1	SLEEVE, FUEL GAUGE	
76	8.932-965.0	2	LABEL, WARNING-EXPOSED PULLEYS	
77	9.802-254.0	54"	FUEL LINE, 1/4"	
78	8.726-103.0	24	SCREW, 1/4" X 5/8" WHIZ	

REF	PART NO.	QTY	DESCRIPTION	NOTES
79	9.802-755.0	4	SCREW, 5/16" X 1-1/4"	
80	8.718-988.0	4	WASHER, 7/16"	
81	8.932-960.0	2	LABEL, DIESEL	
82	8.725-319.0	4	NUT, 7/16" ESNA	
83	9.803-541.0	10	SCREW, 5/16"-18 X1/2" CS SOC,BN, NC, ZN	
84	8.718-980.0	10	WASHER, 5/16" FLAT	
85	8.716-481.0	1	CABLE BATTERY 29" BLACK 4GA	
86	9.802-503.0	1	CABLE, BATTERY, RED	
87	9.800-020.0	1	LABEL, COLD WATER INLET	

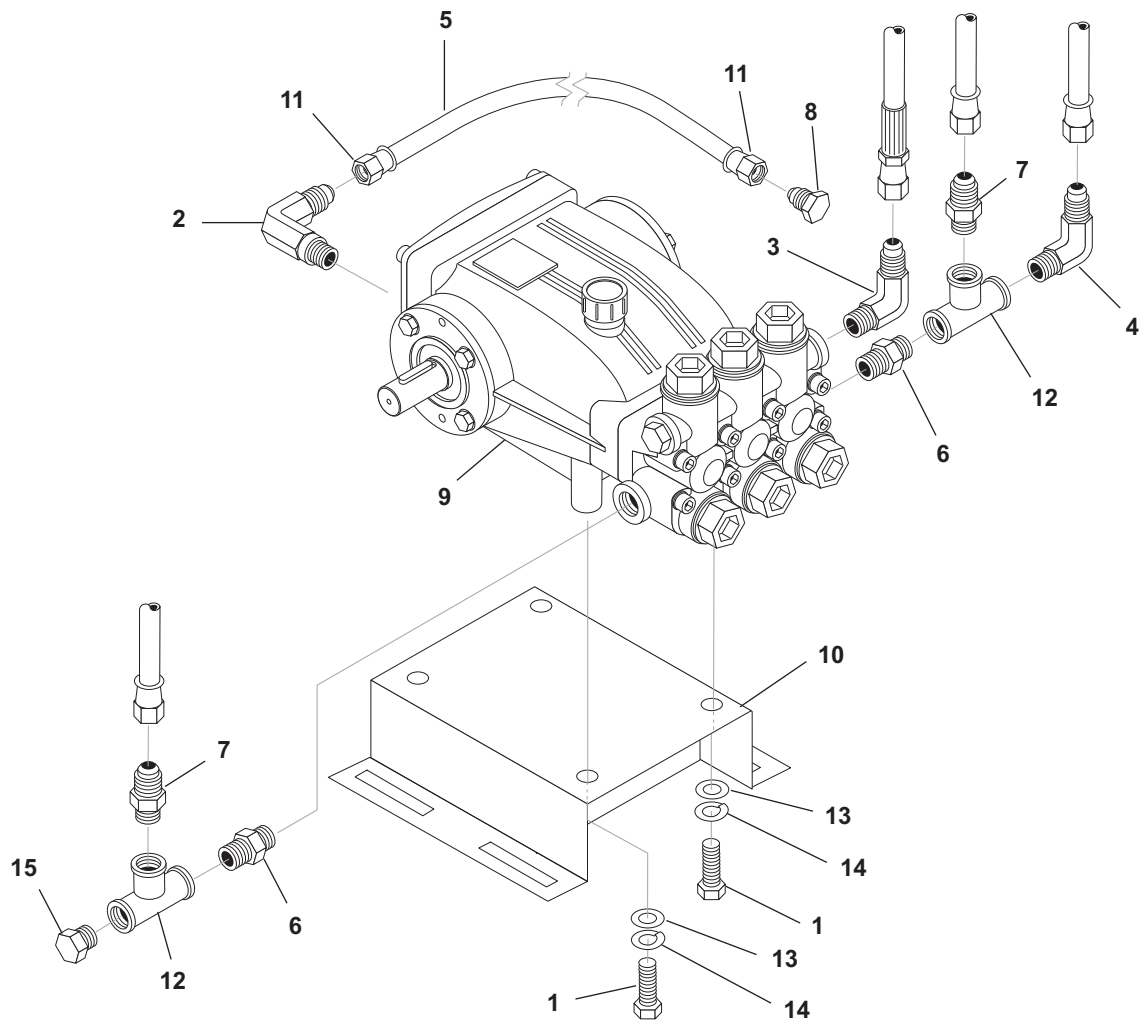
REF	PART NO.	QTY	DESCRIPTION	NOTES
88	9.802-730.0	8	BOLT, 3/8" X 2-1/2"	
89	9.802-762.0	1	SCREW, #10 X 1-1/4" PHILLIPS	
90	9.802-203.0	1	CLAMP, 1/2" RO-CLIP	
91	9.802-695.0	1	NUT, 10/32"	
92	8.920-794.0	2	PANEL, ACCESS, SLT/SLX KUBOTA	
93	8.940-051.0	1	LABEL, OPERATING INSTRUCTIONS	
94	9.800-021.0	1	LABEL, HOT WATER OUTLET	
95	9.802-813.0	4	WASHER, 5/16 SPLIT RING WASHER	
96	8.716-608.0	1	TERMINAL, BATTERY POST	

Control Panel

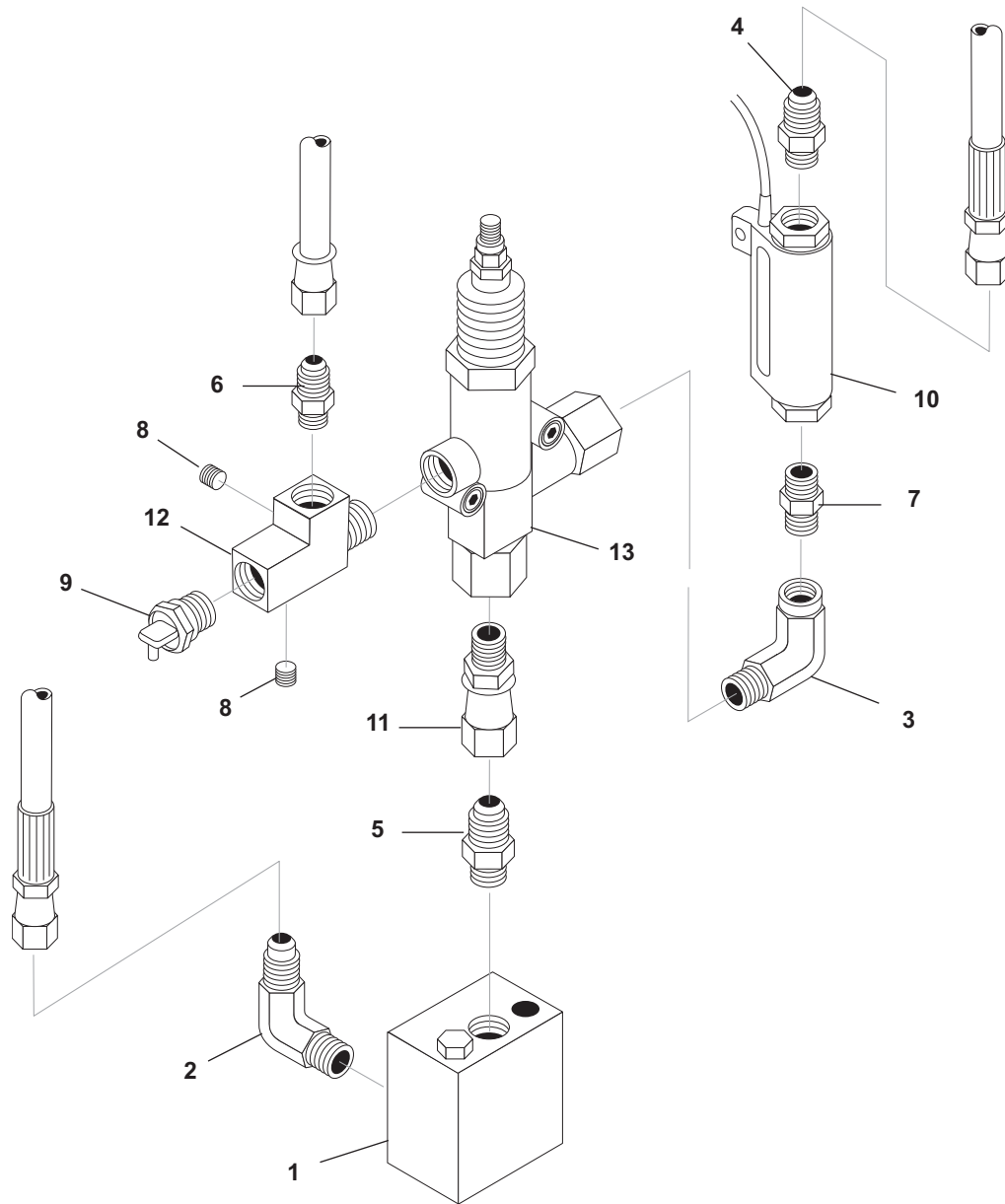


REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.712-159.0	1	VOLTMETER, 120VAC	
2	9.803-095.0	1	THERMOSTAT, 240°	
3	9.802-453.0	1	BURNER SWITCH	
4	9.802-283.0	1	HOUR METER	
5	8.912-484.0	1	BOX, ELECTRIC, DIESEL	
6	8.900-266.0	1	LABEL, NOZZLE	
7	9.802-517.0	1	CONNECTOR, 1/2" L/T, 90°	
8	8.913-902.0	1	KEY RING, LANDA	
9	9.802-103.0	1	BUSHING, 5/8"	
10	9.802-064.0	4	GROMMET, RUBBER NOZZLE	
11	9.802-793.0	8	CAGE, NUT, 1/4"	

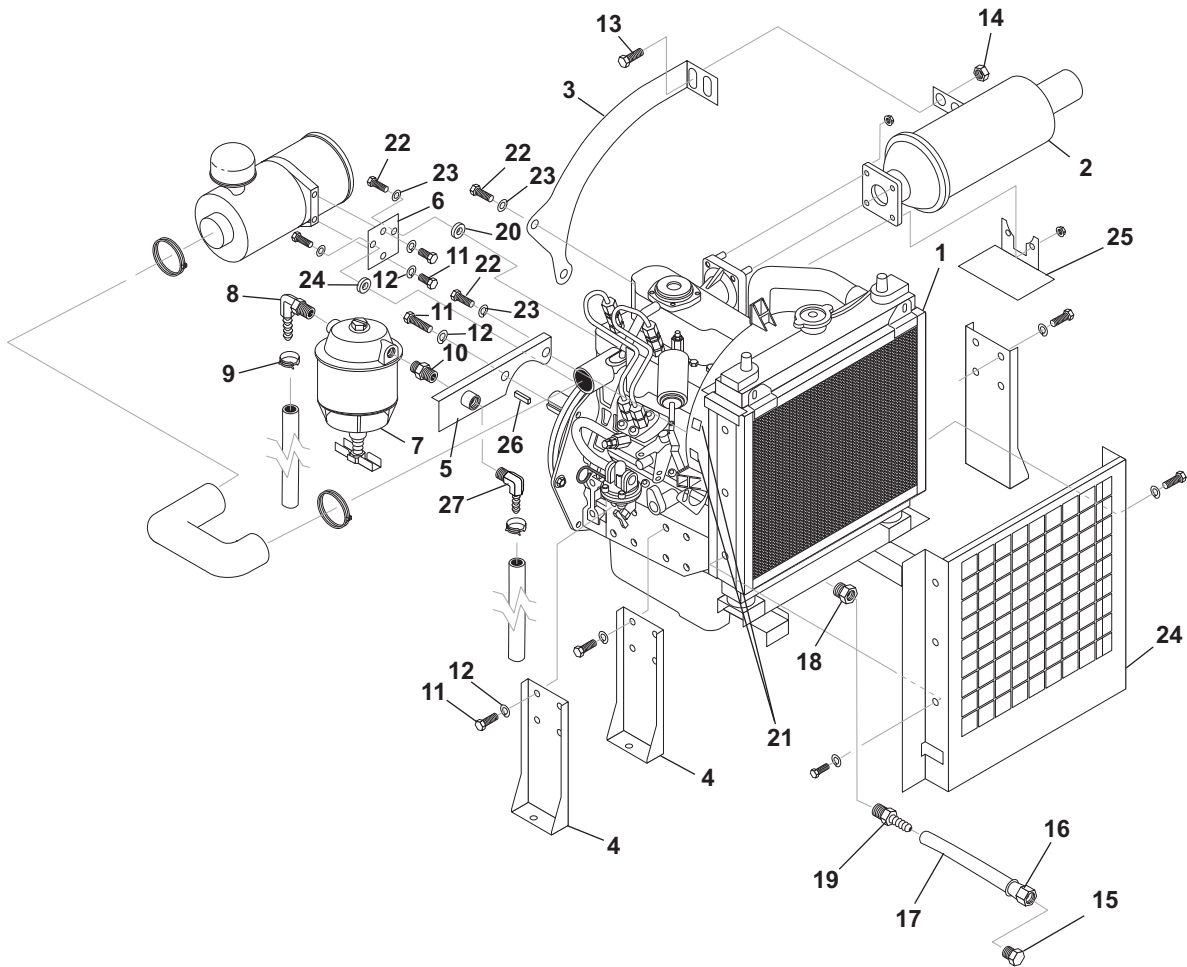
REF	PART NO.	QTY	DESCRIPTION	NOTES
12	9.802-765.0	8	SCREW, 1/4" ALLEN HEAD	
13	9.801-427.0	1	LABEL, CONTROL BOX	
14	9.800-040.0	1	LABEL, GROUND	
-	9.802-762.0		SCREW, 10/32" X 1-1/4	
-	9.802-695.0	6	NUT, 10/32" KEPS	
15	9.802-447.0	66"	? CONDUIT, 1/4" CORRUGATED TUBING	
16	8.920-739.0	1	COVER, E-BOX, DIESEL	
17	8.718-852.0	2	NUT, 6/32" HEX	
18	8.707-136.0	4	COUPLER, 1/4" PLUG	(10-32)
19	8.750-097.0	1	KNOB, THERMOSTAT 240°F	
20	8.712-190.0	1	BEZEL, THERMOSTAT	
21	8.718-779.0	2	SCREW, 4MM X 6MM	
22	8.712-369.0	1	NOZZLE, SAQCMEG, 0007, RED	(SLT 6-32624E)
-	8.712-370.0	1	NOZZLE, SAQCMEG, 1507, YELLOW	(SLT 6-32624E)
-	8.712-371.0	1	NOZZLE, SAQCMEG, 2507, GREEN	(SLT 6-32624E)
-	8.712-372.0	1	NOZZLE, SAQCMEG, 4007, WHITE	(SLT 6-32624E)
-	8.712-378.0	1	NOZZLE, SAQCMEG, 0009, RED	(SLT 8-32624E)
-	8.712-379.0	1	NOZZLE, SAQCMEG, 1509, YELLOW	(SLT 8-32624E)
-	8.712-380.0	1	NOZZLE, SAQCMEG, 2509, GREEN	(SLT 8-32624E)
-	8.712-381.0	1	NOZZLE, SAQCMEG, 4009, WHITE	(SLT 8-32624E)
-	8.707-760.0	1	NOZZLE, #11x0 1/4' MEG 0011	(SLX 10-32624E)
-	8.707-761.0	1	NOZZLE, #11x15 1/4 MEG 1511	(SLX 10-32624E)
-	8.707-762.0	1	NOZZLE, SAQCMEG, 2511	(SLX 10-32624E)
-	8.707-763.0	1	NOZZLE, SAQCMEG, 4011	(SLX 10-32624E)
23	9.802-494.0	4	BAR JUMPER	
24	9.802-514.0	1	STRAIN RELIEF	
25	8.751-410.0	1	SWITCH, KEY	
26	8.750-817.0	4	LIGHT, 14V	
27	8.753-258.0	1	LIGHT, 120V	
28	9.802-493.0	1	BLOCK, TERMINAL 16 POLE	
-	9.802-749.0	2	SCREW, 8/32" X 3/4" BHSOC CS	NOT SHOWN
-	9.802-785.0	2	NUT, 8/32", KEPS	NOT SHOWN
29	8.932-968.0	1	LABEL, OUTDOOR USE ONLY	
30	9.800-034.0	1	LEXAN, CLEAR	
31	9.802-515.0	1	STRAIN RELIEF	
32	8.751-412.0	1	TIMER, LAMP, QUICKGLOW	



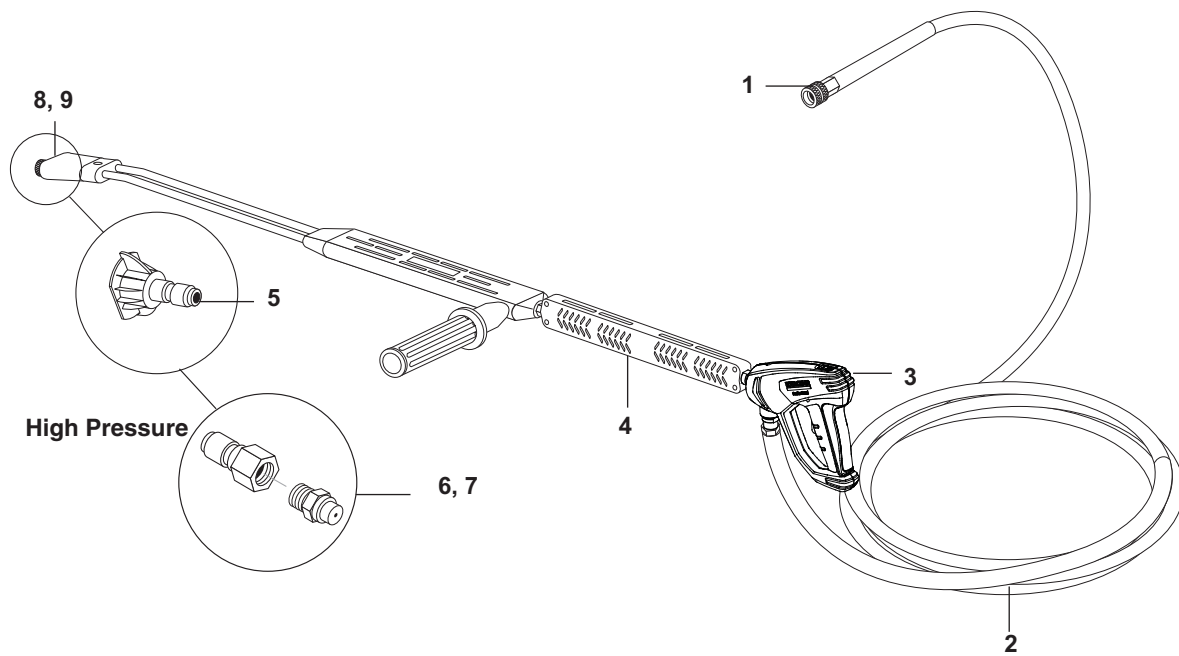
REF	PART NO.	QTY	DESCRIPTION	NOTES
1	9.802-744.0	4	BOLT, 10MM X 20MM HH ZINC	
2	9.802-129.0	1	ELBOW, 1/2" MSAE X 3/8" MPT, BRASS	
3	9.802-040.0	1	ELBOW, 1/2" JIC, 1/2, 90°	(8-32, 10-32)
-	9.802-039.0	1	ELBOW, 1/2" JIC X 3/8" MPT	(6-32)
4	9.803-557.0	1	ELBOW, 3/4" MSAE X 3/4" MPT, BRASS,	(8-32, 10-32)
-	9.802-132.0	1	ELBOW, 3/4" MSAE X 1/2" MPT, BRASS,	(6-32)
5	9.802-259.0	2	HOSE, 1/2" PUSH-ON, /FT	
6	8.706-800.0	2	NIPPLE, 3/4" HEX, BRASS	(8-32, 10-32)
-	8.706-797.0	2	NIPPLE, 1/2" HEX,	(6-32)
7	8.706-899.0	2	NIPPLE, 3/4" JIC X 3/4" PIPE	(8-32, 10-32)
-	8.706-902.0	2	NIPPLE, 3/4" JIC X 1/2" PIPE	(6-32)
8	9.802-126.0	1	PLUG, 1/2" JIC FLARE,	
9	8.920-592.0	1	PUMP, LANDA LX1036L.2	(10-32)
-	8.920-590.0	1	PUMP, LANDA LX9536L.2	(8-32)
-	8.921-713.0	1	PUMP, LANDA LT6036L.2	(6-32)
10	9.802-979.0	1	WLMT, PUM/GENERATOR RAIL	
11	9.802-151.0	2	SWIVEL, 1/2" BARB X 1/2" JIC, FEM/BRASS	
12	8.706-846.0	2	TEE, 3/4" FEMALE PIPE BRASS	(8-32, 10-32)
-	8.706-844.0	2	TEE, 1/2" FEMALE PIPE	(6-32)
13	9.802-807.0	4	WASHER, 3/8", SAE, FLAT ZINC	
14	8.718-961.0	4	WASHER, M10 SPLT RNG LCK8.8CLSS ZINC PTLD	
15	8.706-869.0	1	PLUG, 3/4" HEX	(8-32, 10-32)
-	8.706-868.0	1	PLUG, 1/2" HEX	(6-32)



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	9.802-869.0	1	BLOCK, UNLOADER, 1/2 X 1/2	
2	9.802-040.0	1	ELBOW, 1/2 JIC, 1/2, 90°	
3	8.706-171.0	1	ELBOW, 1/2" MPT X 3/8" FPT STREET, STEEL	
4	9.802-036.0	1	NIPPLE, 1/2" JIC X 3/8" NPT, STEEL	
5	9.802-038.0	1	NIPPLE, 1/2" JIC X 1/2" MPT, STEEL	
6	8.706-902.0	1	NIPPLE, 3/4" JIC X 1/2" PIPE	
7	8.705-974.0	1	NIPPLE, 3/4" HEX STEEL -P/N-C3069X6	
8	8.706-864.0	2	PLUG, 1/8" COUNTERSUNK	
9	8.707-256.0	1	PUMP, PROTECTOR 1/2" 140DEG, P/N 1005	
10	8.933-006.0	1	SWITCH, FLOW MV60	
11	8.706-315.0	1	SWIVEL, 1/2" JIC X 1/2" MPT	
12	9.803-050.0	1	TEE, 1/2" W/(2) HOLE, TAP 1/8"- 27NPT	
13	8.712-708.0	1	UNLOADER VALVE (GIANT 22913) 30	



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.753-177.0	1	ENGINE, KUBOTA D11050-E3B	
2	8.753-183.0	1	MUFFLER, SILENCER, HAPCO KUBOTA D1105	
3	8.753-178.0	1	BRACKET, MUFFLER KUBOTA	
4	8.920-740.0	4	BRACKET, ENGINE SUPPORT KUBOTA D1105	
5	8.920-798.0	1	WLMT, BRACKET, FUEL FILTER KUBOTA	
6	8.920-796.0	1	PLATE, AIR FILTER, MNT KUBOTA	
7	8.709-158.0	1	FILTER, LANDA, FUEL OIL H2O SEPARATOR	
8	8.706-958.0	1	HOSE BARB, 1/4 X MPT 90°	
9	9.802-203.0	2	CLAMP, 1/2" RO-CLIP	
10	8.705-973.0	1	NIPPLE, 1/4" HEX STEEL	
11	8.751-870.0	17	SCREW, 10MM X 25MM	
12	8.718-961.0	17	WASHER, M10 SPLIT RING	
13	9.802-767.0	2	SCREW, 3/8" X 3/4" WHIZ LOC 2	
14	9.802-781.0	2	NUT, 3/8" NC, WHIZ LOC	
15	9.802-126.0	1	PLUG, 1/2" FLARE	
16	9.802-151.0	1	SWIVEL, 1/2" BARB X 1/2" JIC, FEM/BRASS	
17	9.802-259.0	15"	HOSE, 1/2" PUSH-ON	
18	8.753-291.0	1	ADAPTER, 3/8" X 12MM	
19	8.707-019.0	1	HOSE BARB, PUSH-ON 1/2" X 3/8" MPT	
20	8.719-047.0	2	WASHER, NYLON .390 ID X 1.0 OD X .25 THK	
21	8.716-533.0	3	CLAMP, TIE WRAP, ADHESIVE	
22	9.802-742.0	5	BOLT, 8MM X 20MM, HH	
23	9.802-813.0	5	WASHER, 5/16" SPLIT RING	
24	8.921-586.0	1	KUBOTA PANEL, RADIATOR SLX	
-	8.921-585.0	1	KUBOTA PANEL, RADIATOR SLT 1	
25	8.921-578.0	1	PLATE, HEAT SHIELD	
26	8.753.476.0	1	KEY, 3/8 X 2"	
27	8.753-469.0	1	HOSE BARB, 5/16 X 1/4 MPT 90°	

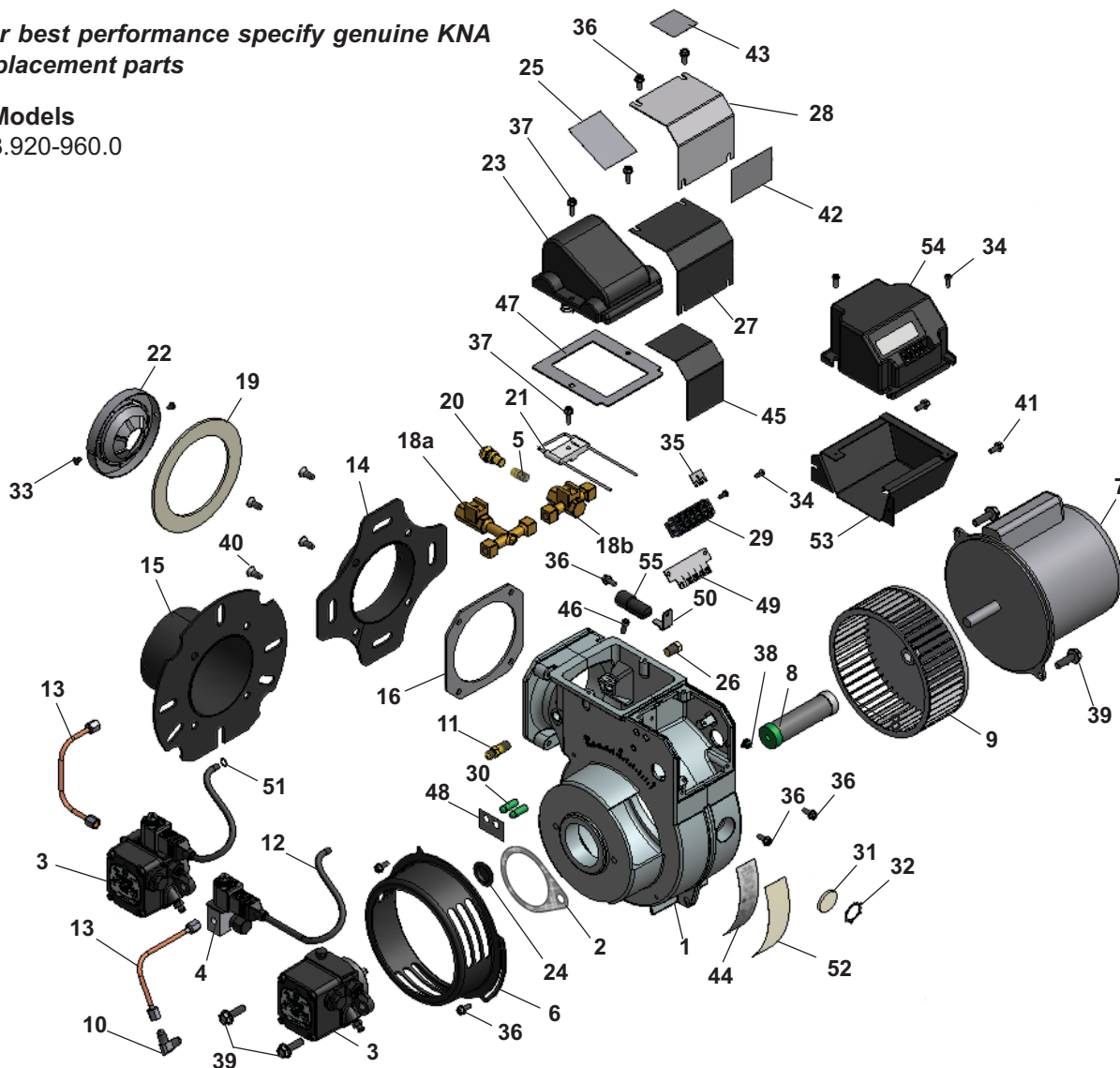


REF	PART NO.	QTY	DESCRIPTION	NOTES
1	9.802-166.0	1	COUPLER, 3/8" FEMALE	
-	9.802-100.0	1	QUICK COUPLER O-RING, 3/8"	NOT SHOWN REPLACEMENT ONLY
2	8.739-401.0	1	HOSE, 1/2" X 50', 2 WIRE, TUFF FLEX,	(SLT6,SLT8,SLT10)
3	4.775-054.0	1	EASY! FORCE ADVANCED KNA	
4	8.711-308.0	1	WAND, SS, VP (AL344) W/COUPLER & SOAP NOZZLE	
-	83-SSVPKIT	1	REPAIR KIT AR, STAINLESS SEAT	NOT SHOWN
5	8.712-369.0	1	NOZZLE, SAQ MEG 0007 RED	(6-3200)
-	8.712-370.0	1	NOZZLE, SAQ MEG 1507 YELLOW	(6-3200)
-	8.712-371.0	1	NOZZLE, SAQ MEG 2507 GREEN	(6-3200)
-	8.712-372.0	1	NOZZLE, SAQ MEG 4007 WHITE	(6-3200)
-	8.712-378.0	1	NOZZLE, SAQ MEG 0009, RED	(8-3200)
-	8.712-379.0	1	NOZZLE, SAQ MEG 1509, YELLOW	(8-3200)
-	8.712-380.0	1	NOZZLE, SAQ MEG 2509, GREEN	(8-3200)
-	8.712-381.0	1	NOZZLE, SAQ MEG 4009, WHITE	(8-3200)
6	8.707-760.0	1	NOZZLE, MEG 0011, RED	(10-3200)
-	8.707-761.0	1	NOZZLE, MEG 1511, YELLOW	(10-3200)
-	8.707-762.0	1	NOZZLE, MEG 2511, GREEN	(10-3200)
-	8.707-763.0	1	NOZZLE, MEG 4011, WHITE	(10-3200)
7	8.707-136.0	4	COUPLER, 1/4" PLUG FPT	
8	9.802-286.0	1	BRASS SOAP NOZZLE ONLY, 1/8"	NOT SHOWN
9	9.802-164.0	1	QUICK COUPLER, 1/4" FEMALE	NOT SHOWN
-	9.802-096.0	1	QUICK COUPLER O-RING 1/4"	NOT SHOWN REPLACEMENT ONLY
10	8.707-139.0	1	COUPLER, 1/4"PLUG, MALE, STEEL/ZINC	NOT SHOWN
11	9.802-164.0	1	COUPLER, 1/4"SOCKET, FEMALE, BRASS	NOT SHOWN

Surefire Burner "M/L"

For best performance specify genuine KNA replacement parts

Models
8.920-960.0



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.919-865.0	1	BURNER HOUSING ASSEMBLY-ML	
2	8.754-905.0	1	GASKET, KNA BURNER PUMP SUNTEC	
3	8.700-758.0	1	FUEL PUMP, SUNTEC A2VA-3106	
-	8.700-759.0	1	FUEL PUMP, SUNTEC A2VA-3106 120 V SOL	
-	8.700-760.0	1	FUEL PUMP, SUNTEC A2VA-3106 230 V SOL	
-	8.754-706.0	1	FUEL PUMP, SUNTEC A2YA-7916	
4	8.752-924.0	1	SOLENOID VALVE, SUNTEC R642NL, 115V	
-	8.752-925.0	1	SOLENOID VALVE, SUNTEC R753NL, 220V	
-	8.752-030.0	1	SOLENOID VALVE, SUNTEC R261NL, 12/24V	
5	8.900-083.0	1	100 PSI SNAP CHECK VALVE	
6	8.752-919.0	1	AIR BAND M/L	

REF	PART NO.	QTY	DESCRIPTION	NOTES
7	8.752-933.0	1	MOTOR, 1/5 HP 13.5VDC AMETEK N1CPM-156	
-	8.752-932.0	1	MOTOR, 1/7 HP 115V EMERSON K41	
-	8.753-054.0	1	MOTOR, 1/7 HP 230V EMERSON K41	
8	8.753-061.0	1	COUPLING, FLEX, 1/2" X 5/16" X 3-7/8" L	
-	8.753-062.0	1	COUPLING, FLEX, 5/16" X 5/16" X 3-7/8" L	
9	8.752-928.0	1	FAN, 6.25 X 4.25 X .50 BORE	
-	8.752-929.0	1	FAN, 6.25 X 4.25 X .313 BORE	
10	8.752-920.0	1	ELBOW, 37° FLARE X 1/8" NPT 90°	
11	8.750-547.0	1	CONNECTOR 37° FLARE X 1/8" NPT, LONG	
12	9.804-072.0	1	CONDUIT, WIRE COVER	
13	8.752-934.0	1	FUEL LINE ASSEMBLY, M	
-	8.753-055.0	1	FUEL LINE ASSEMBLY, L	
14	8.752-034.0	1	FLANGE 1" TUBE ASSY BURNER	
15	8.752-035.0	1	FLANGE 3" TUBE ASSY BURNER	
16	8.750-539.0	1	GASKET, FLANGE	
17	8.700-794.0	1	COIL, OIL VALVE 12/24V W/O CORDSET	NOT SHOW
-	9.802-641.0	1	COIL, OIL VALVE 230V W/O CORDSET	NOT SHOW
-	9.802-640.0	1	COIL, OIL VALVE 120V W/O CORDSET	NOT SHOW
18a	8.750-526.0	1	GUN ELECTRODE/ NOZZLE, 3"	
18b	8.750.525.0	1	GUN ELECTRODE/ NOZZLE, 1"	
19	8.751-354.0	1	GASKET, BURNER TUBE	
20	8.717-356.0	1	FUEL NOZZLE 3.50 X 80B	
-	8.730-812.0	1	FUEL NOZZLE 4.00 X 80B	
21	8.750-778.0	1	ELECTRODE, IGNITION AC	
-	8.751-342.0	1	ELECTRODE, IGNITION DC	
22	8.750-781.0	1	CONE, AIR F22	
-	8.752-935.0	1	CONE, AIR F310	
23	8.919-114.0	1	IGNITER, BURNER 120V	
-	8.919-115.0	1	IGNITER, BURNER 230V	
-	8.919-116.0	1	IGNITER, BURNER 12VDC	
24	8.706-745.0	1	PLUG, HOLE 0.812 PLASTIC	
25	9.807-345.0	1	LABEL, IGNITER 120V	
-	9.807-346.0	1	LABEL, IGNITER 230V	
-	9.807-347.0	1	LABEL, IGNITER 12VDC	
26	8.751-134.0	1	PLUG, 1/8" NPT X HEX SHOULDER	
27	8.752-922.0	1	GASKET, JUNCTION BOX ML	
28	8.920-654.0	1	COVER, JUNCTION BOX ML	
29	8.750-116.0	1	BLOCK, TERMINAL, 5 POLE	
30	8.750-817.0	2	LIGHT, INDICATOR, GREEN, 14V	
-	8.750-818.0	1	LIGHT, INDICATOR, GREEN, 28V	
-	8.750-819.0	1	LIGHT, INDICATOR, GREEN, 125V	
-	8.750-820.0	1	LIGHT, INDICATOR, GREEN, 250V	

Surefire Burner "M/L"

REF	PART NO.	QTY	DESCRIPTION	NOTES
31	8.750-784.0	1	SITE GLASS	
32	8.750-785.0	1	RING, PUSH ON INTERNAL	
33	8.733-001.0	2	SCREW 8 X 1/4" HI LOW THREAD CUT	
34	8.718-762.0	2	SCREW, 8-32 X 1/2", MPH RDH PL	MEDIUM
-	-	4	SCREW, 8-32 X 1/2", MPH RDH PL	LARGE
35	8.716-451.0	1	TERMINAL, JUMPER SPADE	
36	8.718-810.0	6	SCREW, 10/32 X 1/2", WHIZ LOC FLANGE	MEDIUM
-	-	7	SCREW, 10/32 X 1/2", WHIZ LOC FLANGE	LARGE
37	8.750-770.0	3	SCREW, 10/32 X 5/8", WHIZ LOC FLANGE	
38	8.750-816.0	1	SCREW, 10/32 X 1/4" GROUNDING	
39	9.802-756.0	4	SCREW, 5/16" X 1", WHIZ LOC FLANGE	
40	8.750-771.0	4	SCREW, 1/4-20 X 1/2", PHIL FHMS	
41	9.802-750.0	2	SCREW, 8-32 X 1/2 M TPG PH PNH, BLACK	LARGE ONLY
42	-	1	LABEL, BRAND NAME	
43	9.801-268.0	1	LABEL, DISCONNECT POWER SUPPLY	
44	-	1	LABEL, SERIAL PLATE	

REF	PART NO.	QTY	DESCRIPTION	NOTES
45	9.807-343.0	1	LABEL, WIRING DIAGRAM BURNER 230V-24V	
-	9.807-339.0	1	LABEL, WIRING DIAGRAM BURNER 115V-115V	
-	9.807-340.0	1	LABEL, WIRING DIAGRAM BURNER 230V-230V	
-	9.807-341.0	1	LABEL, WIRING DIAGRAM BURNER 230V-115V	
-	9.807-342.0	1	LABEL, WIRING DIAGRAM BURNER 115V-24V	
-	9.807-344.0	1	LABEL, WIRING DIAGRAM BURNER 12VDC	
-	9.807-551.0	1	LABEL, WIRING, BURNER 115V PRIMARY	
46	9.802-745.0	1	SCREW. 10/32" X 1/2" SHCS	
47	8.753-036.0	1	GASKET, IGNITER	
48	9.801-273.0	1	LABEL, BURNER LIGHTS	
49	8.919-105.0	1	PLATE, TERMINAL BLOCK NUMBERS	
50	8.921-214.0	1	BRACKET FLAME SENSOR	LARGE ONLY
51	9.802-510.0	3	CABLE, TIE, 4" BLACK	MEDIUM
-	-	4	CABLE, TIE, 4" BLACK	LARGE
52	9.807-348.0	1	LABEL, CLEAR MYLAR, 1.125 X 4.50	
53	8.920-656.0	1	JUNCTION BOX, KNA BURNER ML	LARGE ONLY
54	8.924-114.0	1	CONTROLLER, PRIMARY, OIL FIRED POTTED	
55	8.753-101.0	1	CAD CELL FLAME DETECTOR, C554A	LARGE ONLY

Specifications

Pump

Model #	PSI	Hi-Pres Nozzle	Pump Model #	Pump Part #	Pump Pulley	Pulley Part #	Bushing	Bushing Part #	Pump Belt (Qty)	Belt Part #
SLT6-32624E	3200	7	LT-6036\L	8.921-713.0	3BK80H	8.715-618.0	25mm	8.802-403.0	BX37 (3)	8.715-698.0
SLT8-32624E	3200	9	LX-9536\L	8.920-590.0	3BK80H	8.715-618.0	25mm	8.802-403.0	BX37 (3)	8.715-698.0
SLX10-32624E	2800	11	LX-1036\L	8.920-592.0	3BK80H	8.715-618.0	25mm	8.802-403.0	BX38 (3)	9.802-417.0

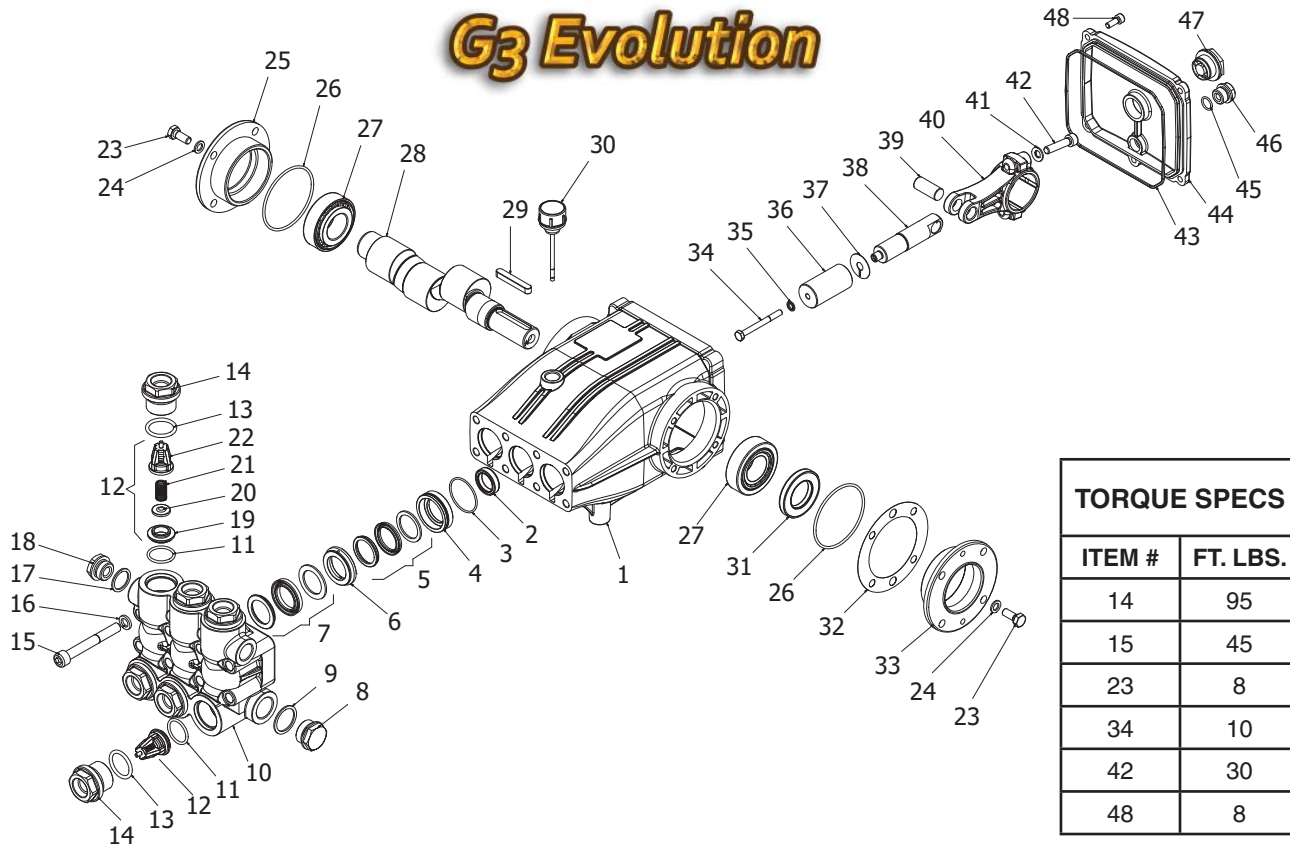
Engine

Model #	Engine	Engine Part #	Engine Pulley	Pulley Part #	Engine Bushing	Bushing Part #
SLT6-32624E	KUBOTA D1105	8.753-177.0	4B40SD	8.753-094.0	SDx1-7/16	8.753-182.0
SLT8-32624E	KUBOTA D1105	8.753-177.0	4B40SD	8.753-094.0	SDx1-7/16	8.753-182.0
SLX10-32624E	KUBOTA D1105	8.753-177.0	4B40SD	8.753-094.0	SDx1-7/16	8.753-182.0

Generator

Model #	Generator Pulley	Pulley Part #	Generator Bushing	Bushing Part #	Engine Pulley	Belt Part #
SLT6-32624E	BK34	9.802-378.0	5/8"	9.802-397.0	BX22 (1)	9.802-412.0
SLT8-32624E	BK32	9.802-377.0	5/8"	9.802-397.0	BX22 (1)	9.802-412.0
SLX10-32624E	BK32	9.802-377.0	5/8"	9.802-397.0	BX22 (1)	9.802-412.0

G3 Evolution



TORQUE SPECS	
ITEM #	FT. LBS.
14	95
15	45
23	8
34	10
42	30
48	8

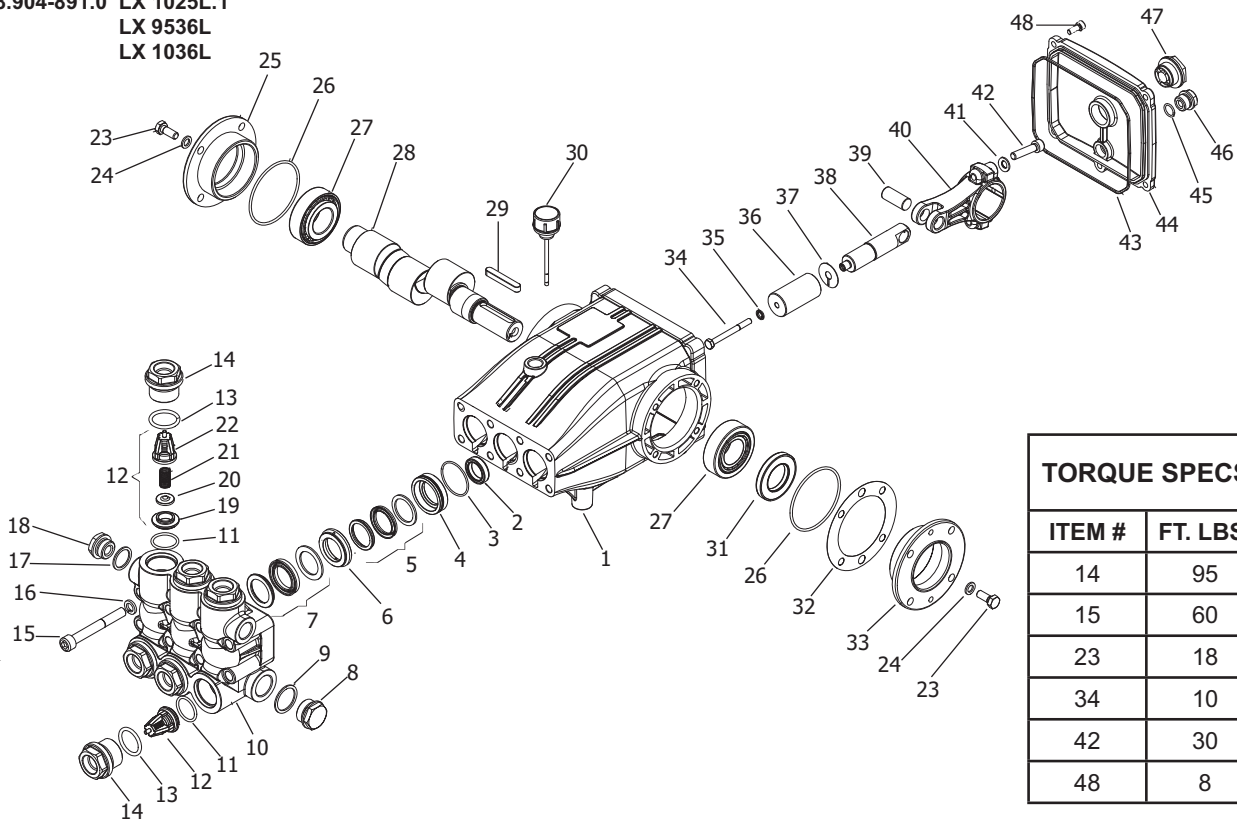
REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.752-825.0	1	CRANKCASE	
2	-	3	PLUNGER OIL SEAL	SEE KITS TABLE
3	-	3	O-RING Ø1.78 X 37.82	SEE KITS TABLE
4	-	3	PRESSURE RING, 18MM	SEE KITS TABLE
5	-	3	U-SEAL, 18MM	SEE KITS TABLE
6	-	3	INTERMEDIATE RING, 18MM	SEE KITS TABLE
7	-	3	U-SEAL, 18MM	SEE KITS TABLE
8	9.802-926.0	1	BRASS PLUG, G1/2	
9	9.803-199.0	1	COPPER WASHER 1/2	
10	8.753-816.0	1	MANIFOLD HOUSING	
11	9.804-498.0	6	O-RING Ø2.62 X 25.1	SEE KITS TABLE
12	-	6	VALVE ASSEMBLY	SEE KITS TABLE
13	9.803-193.0	6	O-RING 3068	SEE KITS TABLE
14	9.802-928.0	6	VALVE PLUG	
15	8.753-817.0	8	MANIFOLD STUD BOLT	
16	9.802-890.0	8	LOCK WASHER	
17	8.719-008.0	1	COPPER WASHER 3/8	
18	8.707-262.0	1	BRASS PLUG 3/8	
19	-	6	VALVE SEAT	SEE KITS TABLE
20	-	6	VALVE PLATE	SEE KITS TABLE

REF	PART NO.	QTY	DESCRIPTION	NOTES
21	-	6	VALVE SPRING	SEE KITS TABLE
22	-	6	VALVE CAGE	SEE KITS TABLE
23	8.752-830.0	8	HEX SCREW	
24	9.802-884.0	8	WASHER	
25	9.803-182.0	1	CLOSED BEARING HOUSING	
26	9.803-186.0	2	O-RING Ø2.62 X 71.12	
27	9.803-160.0	2	ROLLER BEARING	
28	8.753-818.0	1	CRANKSHAFT Ø25 (4540)	
-	8.752-827.0	1	CRANKSHAFT Ø25 (6036)	
29	9.803-167.0	1	CRANKSHAFT KEY	
30	8.752-834.0	1	OIL DIP STICK	
31	9.803-139.0	1	CRANKSHAFT SEAL	
32	9.803-177.0	2	SHIM	
33	9.803-181.0	1	BEARING HOUSING	
34	8.752-841.0	3	PLUNGER BOLT	SEE KITS TABLE
35	8.752-820.0	3	BONDED SEAL	SEE KITS TABLE
36	8.753-819.0	3	PLUNGER, 18MM	SEE KITS TABLE
37	8.752-823.0	3	COPPER SPACER	SEE KITS TABLE
38	8.753-820.0	3	PLUNGER ROD	
39	8.752-822.0	3	CONNECTING ROD PIN	
40	8.752-821.0	3	CONNECTING ROD	
41	9.802-889.0	6	SPRING WASHER	
42	9.802-937.0	6	CONNECTING ROD SCREW	
43	9.803-194.0	1	O-RING Ø2.62 X 152.07	
44	8.752-826.0	1	CRANKCASE COVER	
45	9.803-906.0	1	O-RING Ø1.78 X 14.00	
46	8.707-262.0	1	BRASS PLUG G3/8	
47	9.803-202.0	1	SIGHT GLASS G3/4	
48	8.752-824.0	5	COVER SCREW	

KIT NUMBERS	8.753-821.0	8.753-822.0	8.753-823.0	8.753-824.0	8.752-825.0
KIT DESCRIPTION	Plunger Seals 16 mm	Seal Packing 16 mm	Plunger 16 mm	Complete Valve	Plunger Oil Seals
ITEM NUMBERS INCLUDED	3, 5, 7	3, 4, 5, 6, 7	34, 35, 36, 37	11, 12, 13	2
NUMBER OF CYLINDERS KIT WILL SERVICE	3	1	1	6	3

LX.2 Series Pump

8.904-888.0 LX 8030R.1
 8.904-889.0 LX 8030L.1
 8.904-892.0 LX 1025R.1
 8.904-891.0 LX 1025L.1
 LX 9536L
 LX 1036L



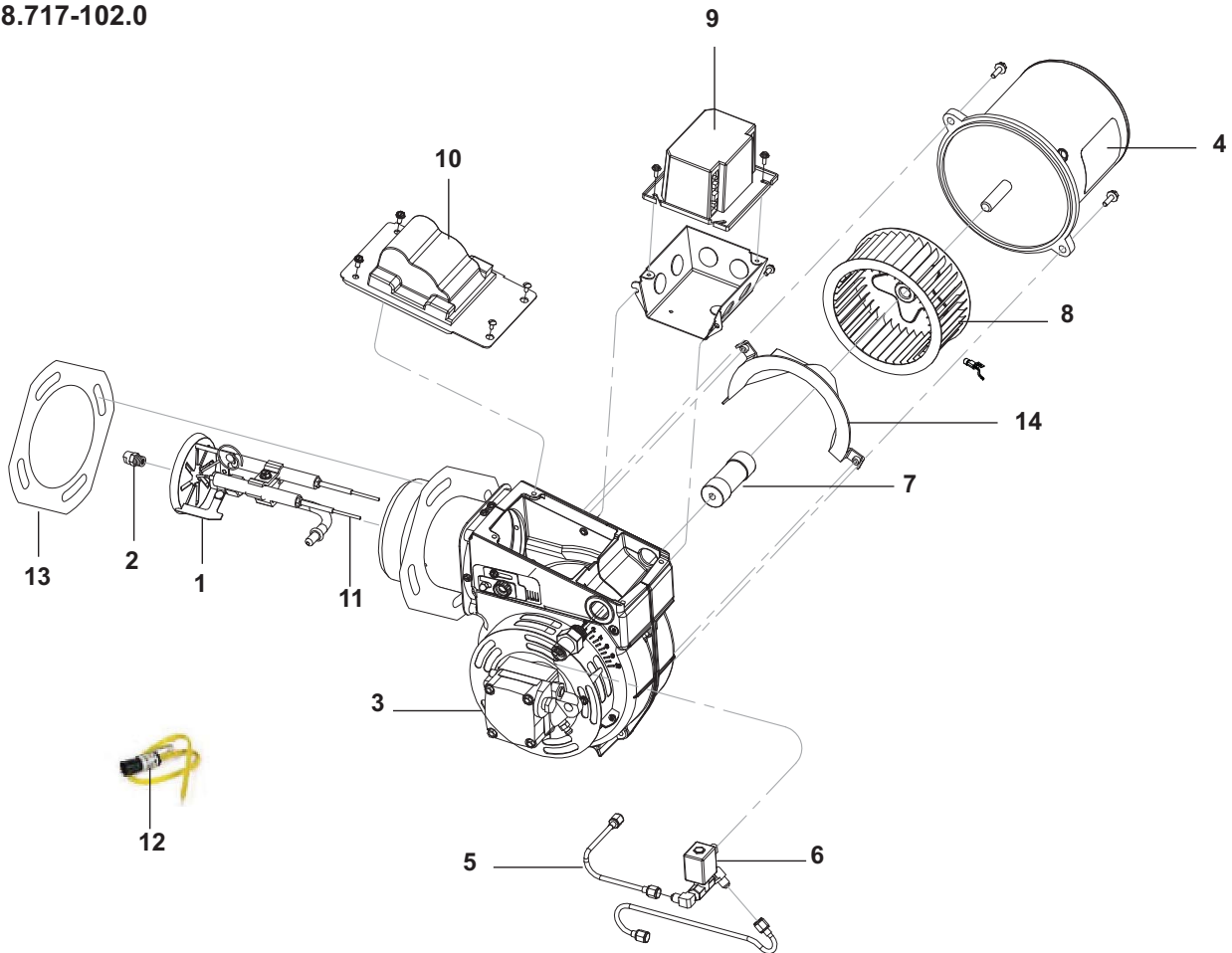
TORQUE SPECS	
ITEM #	FT. LBS.
14	95
15	60
23	18
34	10
42	30
48	8

REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.752-825.0	1	CRANKCASE	
2	-	3	PLUNGER OIL SEAL	SEE KITS TABLE
3	-	3	O-RING Ø1.78 X 37.82	SEE KITS TABLE
4	-	3	PRESSURE RING	SEE KITS TABLE
5	-	3	U-SEAL, 25MM	SEE KITS TABLE
6	-	3	INTERMEDIATE RING	SEE KITS TABLE
7	-	3	U-SEAL	SEE KITS TABLE
8	9.803-285.0	1	BRASS PLUG, G3/4	SEE KITS TABLE
9	9.803-286.0	1	COPPER WASHER 3/4	
10	8.752-831.0	1	MANIFOLD HOUSING Ø22/Ø20/	
11	8.752-836.0	6	O-RING Ø2.62 X 21.89	
12	-	6	VALVE ASSEMBLY	SEE KITS TABLE
13	9.803-287.0	6	O-RING Ø3.53 X 25.80-134	
14	8.752-855.0	6	VALVE PLUG	
15	8.752-833.0	8	MANIFOLD STUD BOLT	
16	9.802-890.0	8	LOCK WASHER	
17	9.803-199.0	1	COPPER WASHER 1/2	
18	9.802-926.0	1	BRASS PLUG 1/2	
19	-	6	VALVE SEAT	SEE KITS TABLE
20	-	6	VALVE PLATE	SEE KITS TABLE

REF	PART NO.	QTY	DESCRIPTION	NOTES
21	-	6	VALVE SPRING	SEE KITS TABLE
22	-	6	VALVE CAGE	SEE KITS TABLE
23	8.752-830.0	8	HEX SCREW	
24	9.802-884.0	8	WASHER	
25	9.803-182.0	1	CLOSED BEARING HOUSING	
26	9.803-186.0	2	O-RING Ø2.62 X 71.12	
27	9.803-160.0	2	ROLLER BEARING	
28	8.752-829.0	1	CRANKSHAFT Ø25 (9536)	
28	8.752-827.0	1	CRANKSHAFT Ø25 (1036)	
29	9.803-293.0	1	CRANKSHAFT KEY	
30	8.752-834.0	1	OIL DIP STICK	
31	9.803-139.0	1	CRANKSHAFT SEAL	
32	9.803-177.0	2	SHIM	
33	9.803-181.0	1	BEARING HOUSING	
34	8.752-841.0	3	PLUNGER BOLT	SEE KITS TABLE
35	8.752-820.0	3	BONDED SEAL	SEE KITS TABLE
36	8.752-847.0	3	PLUNGER, 22MM	SEE KITS TABLE
37	8.752-823.0	3	COPPER SPACER	SEE KITS TABLE
38	8.752-842.0	3	PLUNGER ROD	SEE KITS TABLE
39	8.752-822.0	3	CONNECTING ROD PIN	SEE KITS TABLE
40	9.803-157.0	3	CONNECTING ROD	
41	9.802-889.0	6	SPRING WASHER	SEE KITS TABLE
42	9.802-937.0	6	CONNECTING ROD SCREW	SEE KITS TABLE
43	9.803-194.0	1	O-RING Ø2.62 X 152.07	
44	8.752-826.0	1	CRANKCASE COVER	
45	9.803-906.0	1	O-RING Ø1.78 X 14.00	
46	8.707-262.0	1	BRASS PLUG G3/8	
47	9.803-202.0	1	SIGHT GLASS G3/4	
48	8.752-824.0	5	COVER SCREW	

KIT NUMBERS	8.752-844.0	8.752-850.0	8.752-839.0	8.753-349.0	8.752-835.0
KIT DESCRIPTION	Plunger Seals 22 mm	Seal Packing 22 mm	Plunger 22 mm	Complete Valve	Plunger Oil Seals
ITEM NUMBERS INCLUDED	3, 5, 7	3, 4, 5, 6, 7	34, 35, 36, 37	11, 12, 13	2
NUMBER OF CYLINDERS KIT WILL SERVICE	3	1	1	6	3

8.717-102.0



REF	PART NO.	QTY	DESCRIPTION	NOTES
1	8.718-216.0	1	NOZZLE LINE ASSY (ATC CF60KHS) INCLUDES AIR TUBE, HEAD, NOZZLE GUN ASSY.	
2	8.717-367.0	1	NOZZLE, 4.5 80B	(SLX10)
3	8.717-832.0	1	FUEL PUMP, B2YA-8916	
4	8.701-088.0	1	MOTOR, 1/3 HP 120V (21341)	
5	9.802-667.0	1	FUEL LINE, 8"	
6	8.717-844.0	1	VALVE, FUEL 120V	
7	9.803-058.0	1	COUPLING	
8	8.717-835.0	1	BLOWER WHEEL, 6-5/16" X 2-3/8"	
9	8.751-335.0	1	PRIMARY CONTROL, GENISYS, 120V	
10	9.803-060.0	1	IGNITOR	
11	8.723-939.0	1	ELECTRODES	
12	9.802-676.0	1	CAD CELL PHOTOELECTRIC	
13	9.802-653.0	1	GASKET, FLANGE	(31802)
14	8.750-085.0	1	AIR GUIDE	(178)

LANDA[®]
Kärcher Group

9.807-539.0 • Printed in U.S.A.