

# LANDA®

# PDE

## OPERATOR'S MANUAL

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■ PDE2-1100

■ PDE2-1500

■ PDE4-2000

■ PDE4-3000

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For technical assistance or the dealer nearest you,  
consult our web page at [www.landa.com](http://www.landa.com)

8.913-997.0

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<b>Warranty</b>	

Model Number \_\_\_\_\_

Serial Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_

The model and serial numbers will be found on a decal attached to the pressure washer. You should record both serial number and date of purchase and keep in a safe place for future reference.

# INTRODUCTION & IMPORTANT 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.

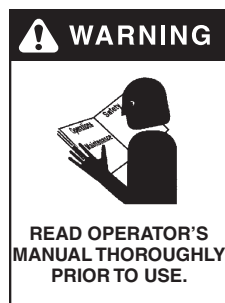
The operator must know how to stop the machine quickly and understand the operation of all controls. Never permit anyone to operate the engine without proper instructions.

**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.**

## IMPORTANT SAFETY INFORMATION



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

1. Read the 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.
4. All installations must comply with local codes. Contact your electrician, plumber, utility company or the selling distributor for specific details. If your machine is rated 250 volts or less, single phase will be provided with a ground fault circuit interrupter (GFCI). If rated more than 250 volts, or more than single phase this product should only be connected to a power supply receptacle protected by a GFCI.

**DANGER: Improper connection of the equipment-grounding conductor can result in a risk of electrocution. Check with a qualified electrician or service personnel if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Do not use any type of adaptor with this product**



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

5. To protect the operator from electrical shock, the machine must be electrically grounded. It is the responsibility of the owner to connect this machine

to a UL grounded receptacle of proper voltage and amperage ratings. Do not spray water on or near electrical components. Do not touch machine with wet hands or while standing in water. Always disconnect power before servicing.



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

**WARNING: Risk of explosion — Do not spray flammable liquids.**

6. Do not allow acids, caustic or abrasive fluids to pass through the pump.

7. Never run pump dry or leave spray gun closed longer than 1-2 minutes.

8. Keep operating area clear of all persons.



**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.**

9. Eye, hand, and foot protection must be worn when using this equipment.

## IMPORTANT SAFETY INFORMATION

### **WARNING**



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

### **WARNING**



**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 severe injury or death will result.

10. 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.**
11. Never make adjustments on machine while in operation.
12. Be certain all quick coupler fittings are secured before using pressure washer.

### **WARNING**



**WARNING:** Protect machine from freezing.

13. 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.

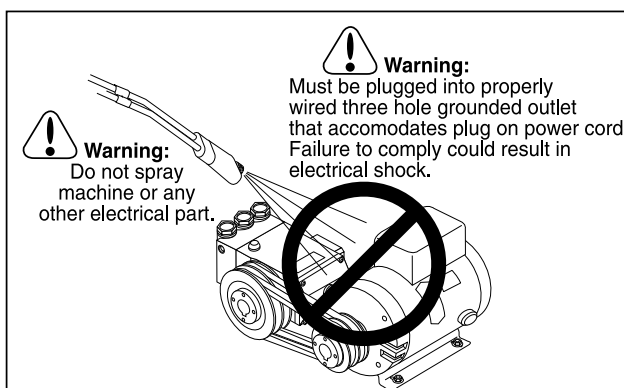
14. Inlet water must be clean fresh water and no hotter than 90°F.
15. Manufacturer will not be liable for any changes made to our standard machines or any components not purchased from us.
16. The best insurance against an accident is precaution and knowledge of the machine.

### **WARNING**



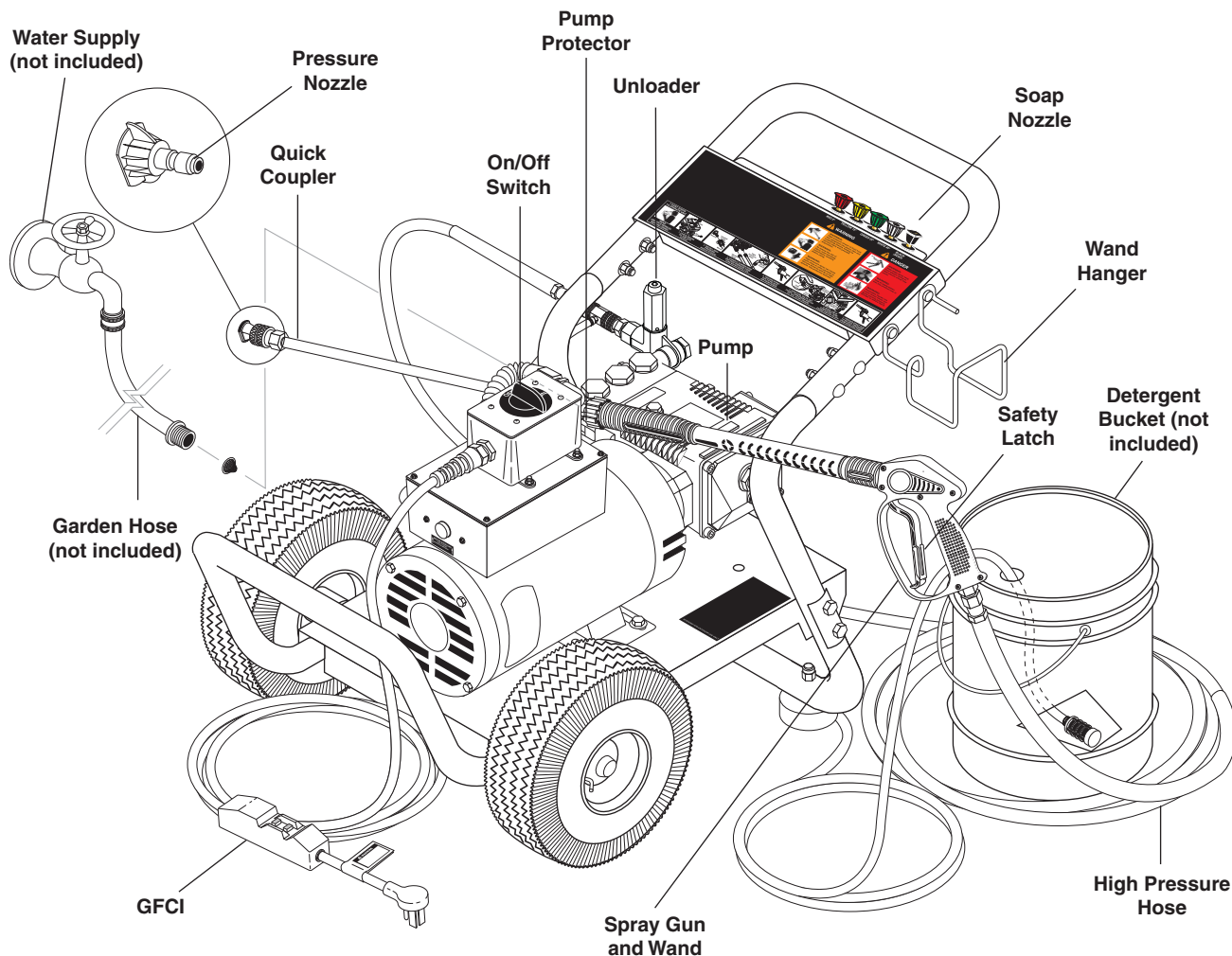
**WARNING:** Be extremely careful when using a ladder, scaffolding or any other relatively unstable location. The cleaning area should have adequate slopes and drainage to reduce the possibility of a fall due to slippery surfaces.

17. Do not overreach or stand on unstable support. Keep good footing and balance at all times.
18. Do not operate this machine when fatigued or under the influence of alcohol, prescription medications, or drugs.



19. Follow the maintenance instructions specified in the manual.

## COMPONENT IDENTIFICATION



**Pump** — Develops high pressure.

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

**Wand** — Must be connected to the spray gun.

**Unloader** — Safety device that relieves pressure when spray gun trigger is closed.

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

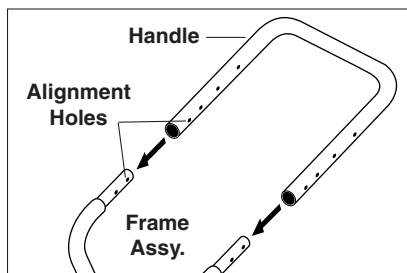
**Pump Protector** — Cycles fresh cool water through pump when recirculating water reaches 140°F.

**GFCI** — Ground fault circuit interrupter trips when voltage leaks to ground.

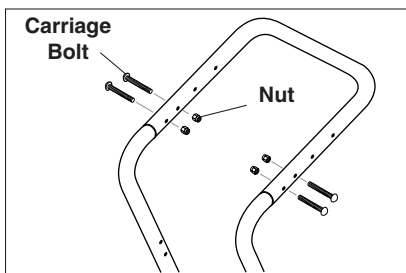
**Note:** If trigger on spray gun is released for more than 1-2 minutes, water will leak from valve. Warm water will discharge from pump protector onto floor. This system prevents internal pump damage.



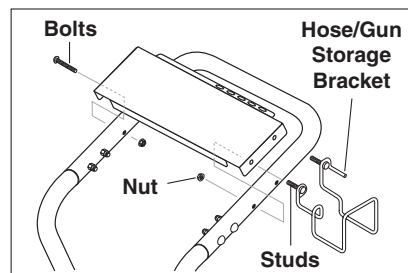
# ASSEMBLY INSTRUCTIONS



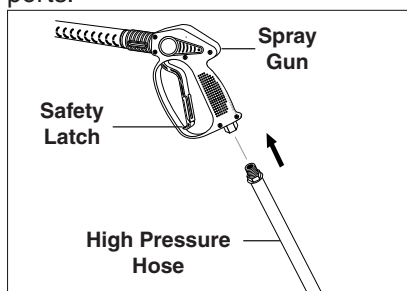
**STEP 1:** Attach the handle to the frame of the pressure washer.  
**Note:** It may be necessary to move the handle supports from side to side in order to align the handle so it will slide over the frame supports.



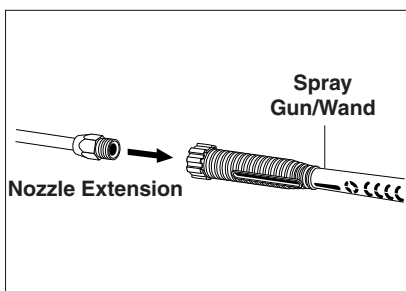
**STEP 2:** Insert the carriage bolt through the holes from the outside of the unit and attach a nut from the inside of the machine. Tighten nuts.



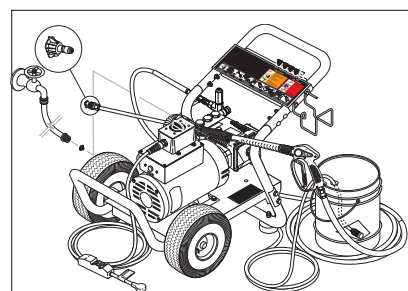
**STEP 3:** Attach the spray gun/hose storage bracket to handle. Tighten nuts.



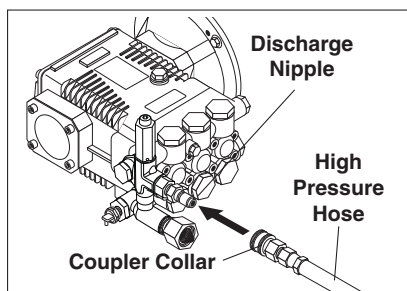
**STEP 4:** Attach the high pressure hose to the spray gun using teflon tape on hose threads.



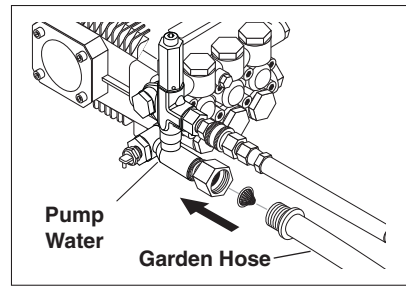
**STEP 5:** Attach nozzle extension to spray gun/wand. Tighten both by hand.



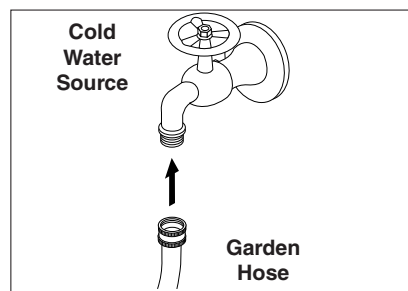
**STEP 6:** Before installing nozzle, turn on water supply and run machine allowing water to flush through the system until clear.



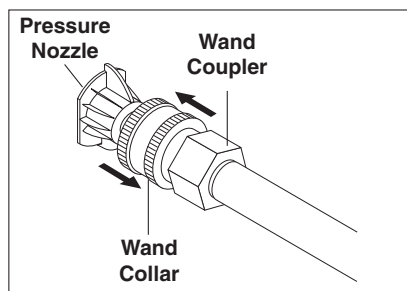
**STEP 7:** Connect the high pressure hose to the pumps discharge nipple. Push coupler collar forward until secure.



**STEP 8:** Connect the garden hose to pump water inlet. Inspect inlets.  
**CAUTION: Do not run the pump without water or pump damage will result.**

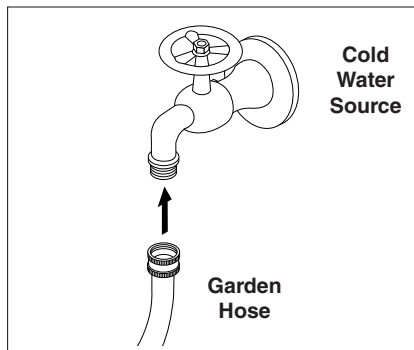


**STEP 9:** Connect garden hose to the cold water source.

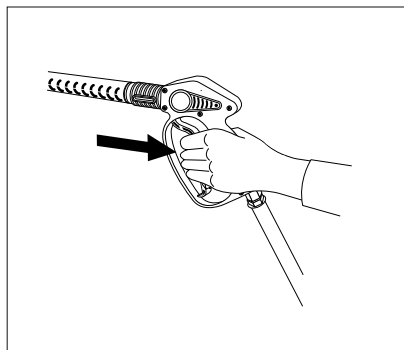


**STEP 10:** Pull the spring-loaded collar of the wand coupler back to insert your choice of pressure nozzle.

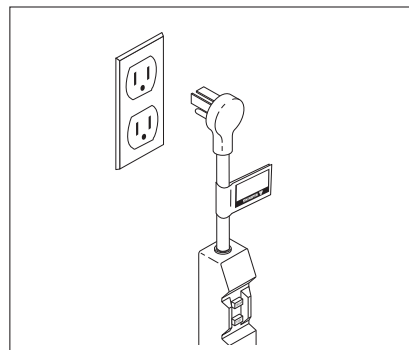
## OPERATING INSTRUCTIONS



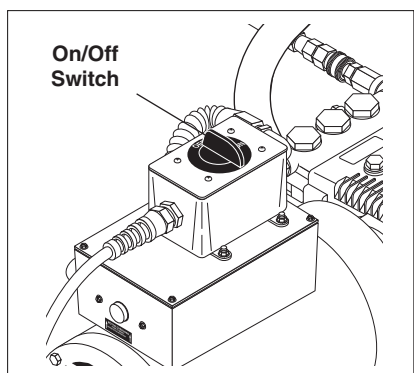
**STEP 1:** Connect garden hose to the cold water source and turn water on completely. Never use hot water.



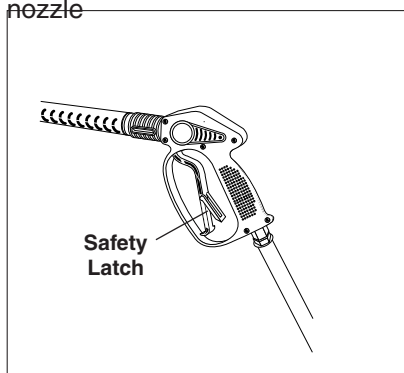
**STEP 2:** Trigger the spray gun to eliminate trapped air then wait for a steady flow of water to emerge from the spray wand. Then install nozzle



**STEP 4:** Connect to appropriate power supply. Push reset button on GFCI.

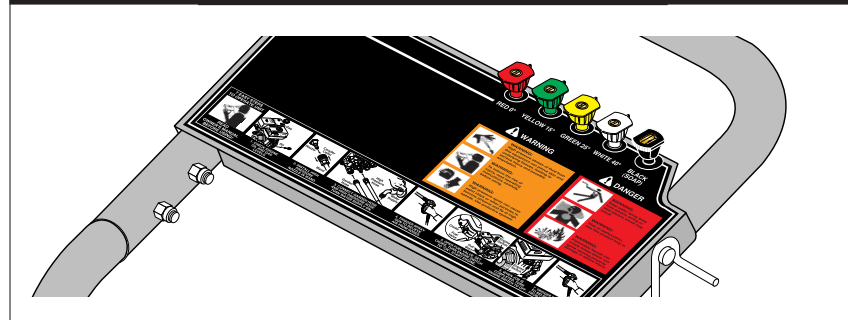


**STEP 4:** Turn machine on by turning switch at top of motor.



**WARNING!** Never replace nozzles without engaging the safety latch on the spray gun trigger.

### NOZZLES

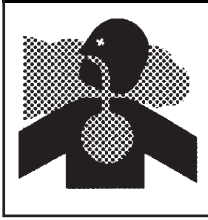


The five color-coded quick connect nozzles provide a wide array of spray widths from 0° to 40° and are easily accessible when placed in the convenient rubber nozzle holder, which is provided on the front of the machine.

**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. To apply detergent select the black nozzle.

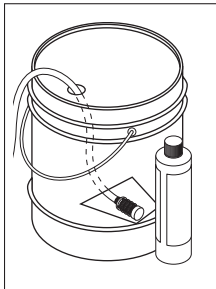
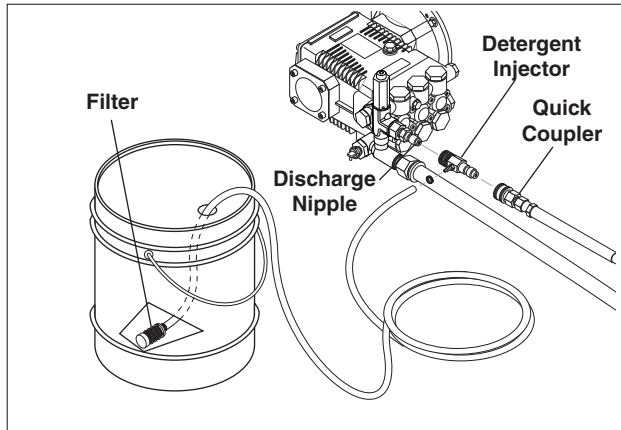
## DETERGENTS AND GENERAL OPERATING TECHNIQUES

### WARNING

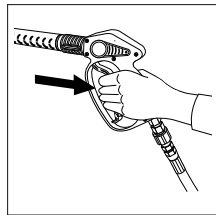


**WARNING:** Some detergents may be harmful if inhaled or ingested, causing severe nausea, fainting or poisoning. The harmful elements may cause property damage or severe injury.

**STEP 1:** Connect detergent injector to discharge nipple on machine. Connect high pressure hose to injector with quick coupler. (Check to make sure locking coupler sleeves are in proper position before applying water pressure).



**STEP 2:** 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 3:** With safety latch on spray gun engaged, secure black detergent nozzle into quick coupler. **NOTE:** Detergent cannot be applied using a pressure nozzle.

**STEP 4:** With the motor 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 injection system after each use by placing the suction tube into a bucket of clean water, then run the pressure washer in low pressure for 1-2 minutes.

## THERMAL PUMP PROTECTION

If you run the motor on your pressure washer for 1-2 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, other corrosive chemicals
- Liquids containing solvents (i.e., paint thinners, gasoline, oils)
- Tri-sodium phosphate products
- Ammonia products
- Acid-based products

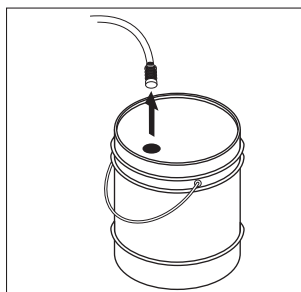
These chemicals will harm the machine and will damage the surface being cleaned.

## RINSING

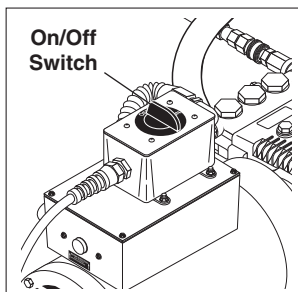
It will take a few seconds for the detergent to clear. Apply safety latch to spray gun. Remove black soap nozzle from the quick coupler. Select and install the desired high pressure nozzle. **NOTE:** You can also stop detergent from flowing by simply removing detergent siphon tube from bottle.



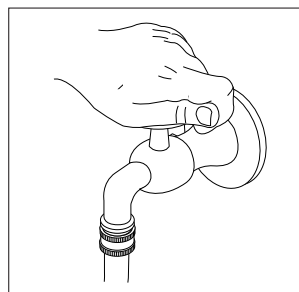
## SHUTTING DOWN AND CLEAN-UP



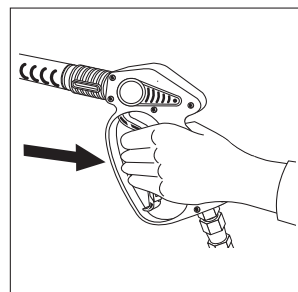
**STEP 1:** Remove detergent suction tube from container and insert into one gallon of fresh water. Slide nozzle forward for low pressure or use black detergent nozzle. Pull trigger on spray gun and siphon fresh clean water for one minute.



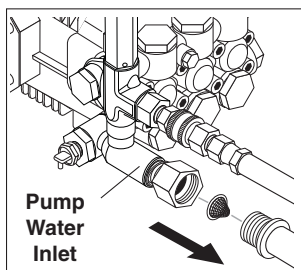
**STEP 2:** Turn off machine by turning switch to "OFF" switch.



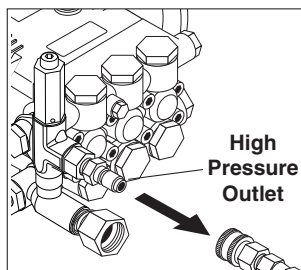
**STEP 3:** Turn off water supply.



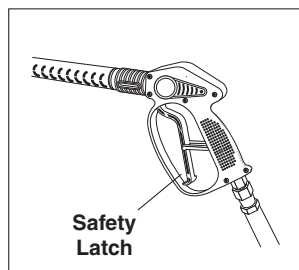
**STEP 4:** Press trigger to release water pressure.



**STEP 5:** Disconnect the garden hose from the water inlet on the machine.



**STEP 6:** Disconnect the high pressure hose from the discharge nipple.



**STEP 7:** Engage the spray gun safety lock.

## STORAGE

### Pump Storage



**CAUTION**

**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.**

If you must store your pressure washer in a location where the temperature is below 32°F, you can minimize the chance of damage to your machine by draining your machine as follows:

1. Stop the pressure washer and detach supply hose and high pressure hose. Squeeze trigger of spray gun to drain all water from the wand and hose.
2. Restart pressure washer and let it run briefly (about 5 seconds) until water no longer discharges from the high pressure outlet.

## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
<b>PUMP RUNNING NORMALLY BUT PRESSURE LOW ON INSTALLATION</b>	Pump sucking air	Check water supply and possibility of air seepage.
	Check valves sticking	Check and clean or replace if necessary.
	Unloader valve seat faulty	Check and replace if necessary.
	Faulty or misadjusted unloader valve	Tampering with the factory setting may cause personal injury and/ or property damage, and will void the manufacture warranty.
	Nozzle incorrectly sized	Check and replace if necessary.
	Worn piston packing	Check and replace if necessary.
<b>FLUCTUATING PRESSURE</b>	Valves worn	Check and replace if necessary.
	Blockage in valve	Check and replace if necessary.
	Pump sucking air	Check water supply connections.
	Worn piston packing	Check and replace if necessary.
	Insufficient water	Check filter and hose for breakage.
<b>PRESSURE LOW AFTER PERIOD OF NORMAL USE</b>	Nozzle worn	Check and replace if necessary.
	Suction or delivery valves worn	Check and replace if necessary.
	Suction or delivery lines blocked	Check and clean if necessary.
	Unloader valve seat worn	Check and replace if necessary.
	Worn piston packing	Check and replace if necessary.
	Water temperature excessive	Reduce to below 160° F.
<b>PUMP NOISY</b>	Air in suction line	Check water supply and connections on suction line.
	Broken or weak suction or delivery valve spring	Check and replace if necessary.
	Foreign matter in valves	Check and clean if necessary.
	Worn bearings	Check and replace if necessary.
	Excessive temperature of water	Reduce to below 160° F.
<b>PRESENCE OF WATER IN PUMP OIL</b>	Oil seal worn	Check and replace if necessary.
	High humidity in air	Check and replace if necessary.
	Piston packing worn	Check and replace if necessary.
<b>WATER DRIPPING FROM UNDER PUMP</b>	Piston packing worn	Check and replace if necessary.
	O-ring plunger retainer worn	Check and replace if necessary.
<b>WATER DRIPPING FROM PUMP PROTECTOR</b>	Water supply pressure too high (over 90 PSI)	Lower water supply pressure using a regulator.
	Spray gun is in the off position for over 5 minutes	Turn machine off if not in use for over 1-2 minutes.
<b>OIL DRIPPING</b>	Oil seal worn	Check and replace if necessary.
<b>EXCESSIVE VIBRATION IN HIGH PRESSURE HOSE</b>	Irregular functioning of the pump valves	Check and replace if necessary.
<b>MOTOR DOES NOT START WHEN SWITCHED ON</b>	Plug not well connected or lack of power supply	Check plug, cable and switch.
<b>WHEN SWITCHING ON THE MACHINE, MOTOR HUMS BUT DOES NOT RUN</b>	Main voltage is insufficient, lower than the minimum required	Check to make sure main power supply is adequate.
	The pump is stuck or frozen	Check by turning the motor manually.

## PREVENTATIVE MAINTENANCE

### 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.

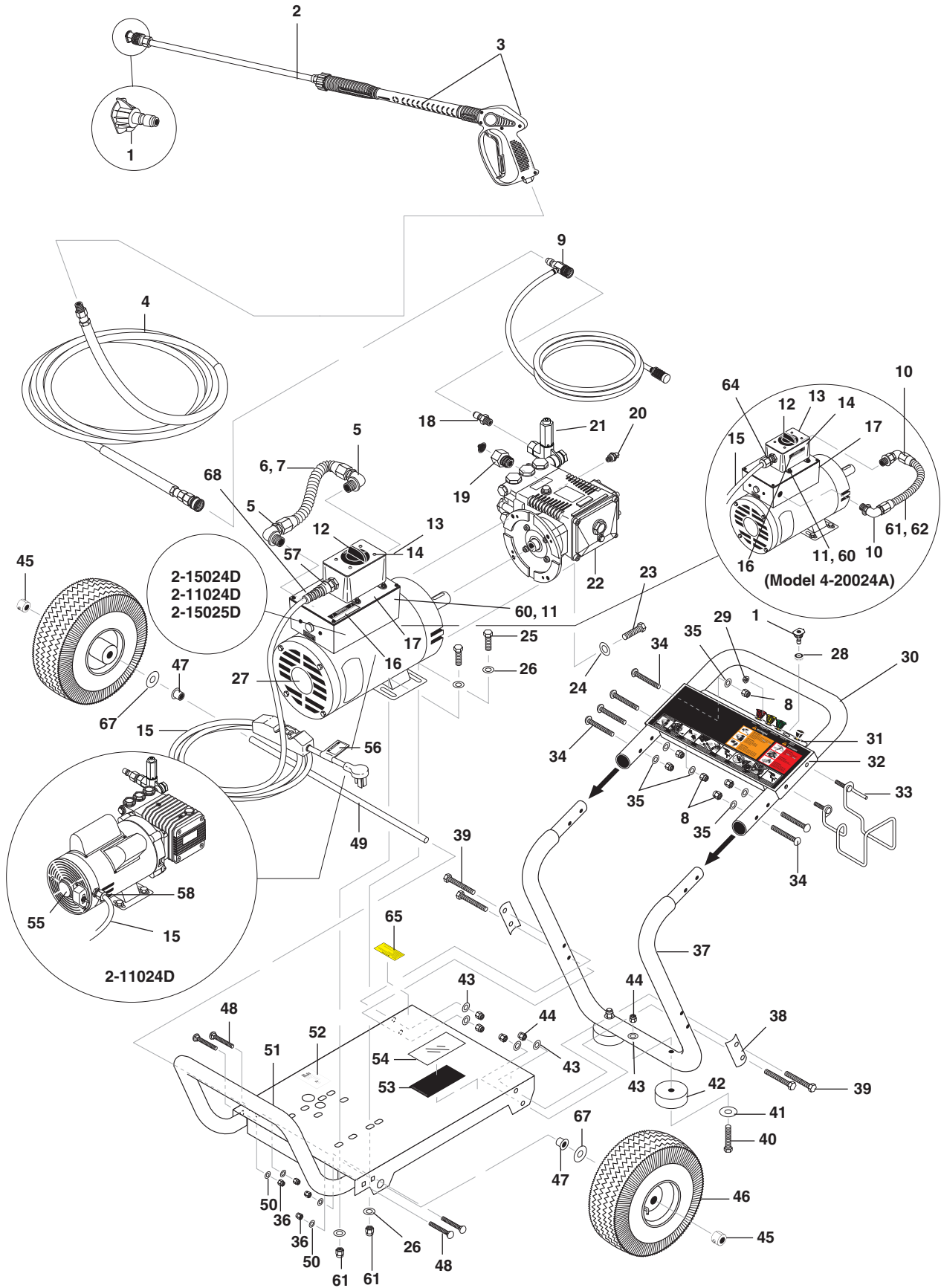
MAINTENANCE SCHEDULE		
Pump Oil	Inspect	Daily inspect the oil level
	Change	After first 50 hours, then every 500 hours or annually
Replace High Pressure Nozzle		Every 6 months
Replace Quick Connects		Annually
Clean Water Screen/Filter		Weekly
Replace HP Hose		Annually if there is any sign of wear
Grease Motor		Every 10,000 hours

### OIL CHANGE RECORD

Check pump oil and engine oil level before first use of your new pressure washer.

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

# 2-11024D, 2-15024D, 4-20024A EXPLODED VIEW



## 2-11024D, 2-15024D, 4-20024A EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	Model 2-15024D 9.104-016.0	NOZZLE KIT 3.25 (23326)	1
	Model 2-11024D		
	9.804-626.0	Nozzle, 700375, White	1
	9.804-624.0	Nozzle, 150375, Yellow	1
	9.804-625.0	Nozzle, 250375, Green	1
	9.804-627.0	Nozzle, 000375, Red	1
	Model 4-20024D		
	8.712-354.0	Nozzle, 1505, Yellow	1
	8.712-355.0	Nozzle, 2505, Green	1
	8.712-356.0	Nozzle, 4005, White	1
	8.712-353.0	Nozzle, 0005, Red	1
	8.712-398.0	Nozzle, Compl. QCME 6540, Brass, All	1
2	9.802-220.0	Wand, 18" M22 x 1/4" QC	1
3	9.802-223.0	Spray Gun, SK®, 3/8" Inlet, Lance w/M22 Coupler	1
4	Hose, See Specifications Page		
5	9.802-517.0	Connector, 1/2" L/T, 90°, Black (2-15024D)	2
6	9.802-427.0	Cord, Service, SOWA 12/3, Coleman (2-15024D)	21"
7	9.802-448.0	Conduit, Watertight, Flex, 1/2 (2-15024D)	8"
8	9.802-773.0	Nut, 1/4" ESNA, NC	6
9	9.802-225.0	Inj., Chem, Assy, 3-5 GPM	1
10	9.803-831.0	Connector, 3/4" L/T, 90°, Black (4-20024A)	2
11	9.802-759.0	Screw, 10/32" x 1/2" BHSOC Black (2-15024D, 4-20024A)	4
12	9.802-450.0	Switch, 2 Pos. 120V-600V, 1-3 PH Bremas (2-15024D, 4-20024A)	1
13	9.802-478.0	Lid, Plastic, Carlon E9801 Box (2-15024D, 4-20024A)	1
14	9.802-477.0	Box, Plastic, Carlon E9801, w/o Lid (2-15024D, 4-20024A)	1
15	9.802-430.0	GFCI, 240V 1Ph 30A, 36' 10-3 Cord (4-20024A)	1
	9.802-431.0	GFCI, 120V 20A, w/36' 12-3 Cord (2-15024D)	1
	9.802-432.0	GFCI, 120V 15A, w/36' 12-3 Cord (2-11024D)	1
16	9.800-016.0	Label, Disconnect Power Supply	1
17	9.803-833.0	Cover, Motor (2-15024D, 4-20024A)	1

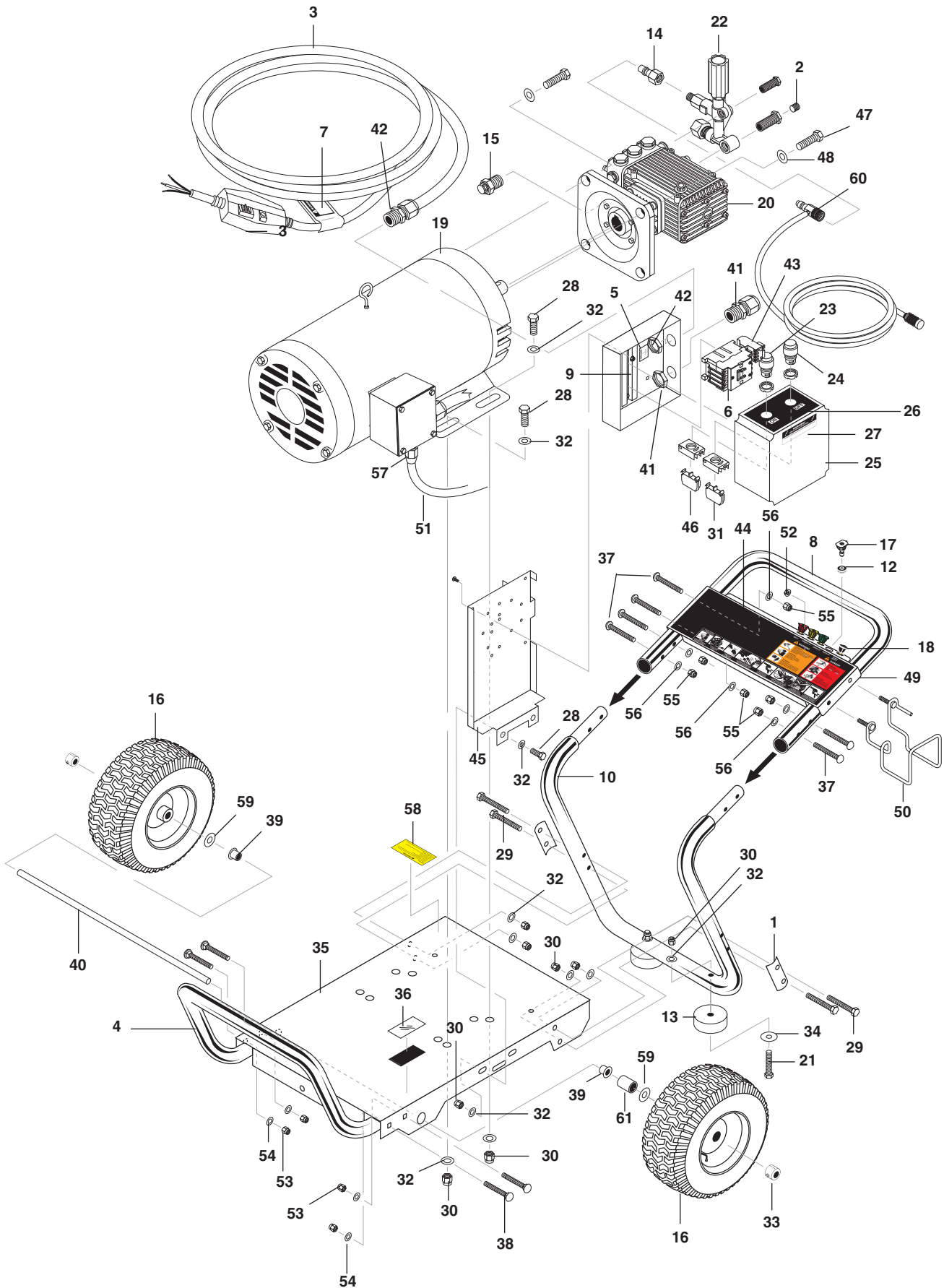
ITEM	PART NO.	DESCRIPTION	QTY
18	9.802-171.0	Nipple, 3/8" x 3/8" NPT ST Male	1
19	9.802-146.0	Swivel, 1/2" MP x 3/4" GHF, w/Strainer	1
20	9.804-025.0	Protector, Pump 1/4" PTP	1
21	Unloader, See Specifications Page		
22	Pump, See Specifications Page		
23	9.802-720.0	Bolt, 3/8" x 1" NC	4
24	9.802-807.0	Washer, 3/8" SAE, Flat	4
25	8.718-618.0	Bolt, 5/16" x 3/4" NC	4
26	8.718-980.0	Washer, 5/16" Flat	8
27	Motor, See Specifications Page		
28	9.802-064.0	Grommet, Rubber, Nozzle Holder	5
29	9.802-788.0	Nut, 5/16" Whiz Loc Flange	2
30	8.920-262.0	Handle, Grab, Chrome	1
31	8.900-319.0	Label, Landa Cold Water	1
32	9.803-126.0	Plate, Warning/Instr.	1
33	9.803-098.0	Hanger, Hose/Wand	1
34	9.802-706.0	Bolt, Carriage, 1/4"-20 x 1-3/4"	6
35	9.802-802.0	Washer, 1/4" Flat	6
36	9.802-776.0	Nut, 5/16" ESNA, NC	4
37	8.920-261.0	Handle, Lower Grab, Chrome	1
38	9.803-114.0	Retainer Bracket, Handle, Black	2
39	9.802-728.0	Bolt, 3/8" x 2"	4
40	9.802-730.0	Bolt, 3/8" x 2-1/4"	2
41	9.802-817.0	Washer, 3/8" x 1"	2
42	9.802-066.0	Pad, Soft Rubber, 50 Duro	2
43	9.802-807.0	Washer, 3/8" SAE, Flat	6
44	9.197-003.0	Nut, 3/8" ESNA, NC	6
45	9.802-782.0	Collar, 5/8" Bore Shaft, 30102	
46	9.802-270.0	Wheel & Tire Assy., 4" Steel Rim w/Tube	2
47	9.802-103.0	Bushing, Snap, 5/8"	2
48	9.802-712.0	Belt, Carriage 5/16" x 1-3/4"	4
49	9.803-097.0	Axle, 5/8" x 19.625" Long	1
50	8.718-980.0	Washer, 5/16" Flat, SAE	4
51	8.920-263.0	Handle, Bumper, Chrome	1
52	9.803-125.0	Base, CW Direct, Black	1
53	9.800-013.0	Label, Intend. For Indoor Use	1
54	9.800-034.0	Label, Clear Lexan, 2-1/4" x 4-1/2"	1



## 2-11024D, 2-15024D, 4-20024A EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
55	9.802-454.0	Switch Assembly (2-11024D)	1
56	8.932-969.0	Label, Warn, Service Cord	1
57	9.802-516.0	Strain Relief, Flex 90°, Plastic (2-15024D)	1
	9.802-525.0	▲ Locknut, 1/2" Conduit (2-15024D)	1
58	9.802-514.0	Strain Relief (2-11024D)	1
	9.802-525.0	▲ Locknut, 1/2" (2-11024D)	1
59	99.802-695.0	▲ Nut, 10/32" Keps (2-15024D 4-20024A)	3
	9.802-699.0	▲ Screw, 10/32" x 3/4" Slot Pan, MS SS (2-15024D 4-20024A)	1
	9.800-040.0	▲ Label, Ground (2-15024D, 4-20024A)	1
60	9.802-695.0	Nut, 10/32" Keps (4-20024A)	4
61	9.803-832.0	Conduit, Water Tite, Flex 3/4" (4-20024A)	8"
62	9.802-436.0	Cord, Service, 10/3 (4-20024A, 352007A)	21"
63	9.802-776.0	Nut, 5/16" ESNA	4
64	9.802-518.0	Strain Relief 3/4"	1
	9.802-523.0	▲ Locknut, 3/4" (4-20024A)	1
65	9.800-049.0	Label, Manufacturer's Cleaning Solution	1
66	9.800-040.0	▲ Label, Ground (Motor)	1
67	9.802-810.0	Washer, 5/8" Flat	2
68	9.803-834.0	▲ Washer, Reducing, 3/4" x 1/2" (2-15024D)	1
		▲ Not Shown	

# 4-30025A, B, C EXPLODED VIEW



## 4-30025A, B, C EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	9.803-114.0	Retainer, Bracket	2	23	9.803-974.0	Switch, GRN PB, CH	1
2	8.706-864.0	Plug, 1/8" Countersunk	1	24	9.803-973.0	Switch, Red PB, CH	1
3	9.802-434.0	Cord w/GFCI, 240V, 40 Amp TRC (4-3000A)	1	25	8.716-271.0	Enclosure, Fiberglass, NEMA4X	1
	9.802-437.0	Cord, Service, SEO 10/4 (4-3000B)	15 ft.	26	8.900-315.0	Label, PE Off/On, For Push Buttons	1
	9.802-429.0	Cord, Service 12/4 (4-3000C)	15 ft.	27	9.800-016.0	Label, Disconnect Power Supply	1
4	9.803-123.0	Handle, Bumper, Chrome	1	28	9.802-720.0	Bolt, 3/8" x 1", NC HH	6
5	9.800-040.0	Label, Ground	1	29	9.802-728.0	Bolt, 3/8" x 2", NC HH	4
6	8.724-305.0	Overload, 24-32 Amp (4-3000B)	1	30	9.197-003.0	Nut, 3/8", ESNA, NC	12
	8.724-312.0	Overload, 10.00- 16 Amp (4-3000C)	1	31	9.802-534.0	Block, Contact, N/C	1
7	9.800-015.0	Label, Warning, Service Cord	1	32	9.802-807.0	Washer, 3/8", SAE, Flat	18
8	9.803-122.0	Handle, Grab, Chrome	1	33	9.802-782.0	Collar, 5/8" Bore Shaft, 30102	
9	9.802-457.0	Din Rail, 35mm	4"	34	9.802-817.0	Washer, 3/8" x 1" Steel	2
10	9.803-119.0	Handle, Lower Grab, Chrome	1	35	9.803-124.0	Base	1
11	9.802-695.0	▲ Nut, 10/32" KEPS (4-3000A)	6	36	9.800-013.0	Label, Indoor Use	1
		(4-3000B, C)	4		9.800-034.0	Lexan, Clear	1
	9.802-762.0	▲ Screw, 10/32" XD 1-1/4"	1	37	9.802-706.0	Bolt, Carriage 1/4-20 x 1-3/4 Zinc	6
	9.802-759.0	▲ Screw, 10/32" x 1/2", BHSOC B1 (4-3000A)	7	38	9.802-712.0	Bolt, Carriage 5/16 x 1-3/4	4
		(4-3000B, C)	5	39	9.802-103.0	Bushing, 5/8" Snap	2
12	9.802-064.0	Grommet, 1/8" Rubber	5	40	8.920-220.0	Axle, 5/8 x 21.5"	1
13	9.802-066.0	Pad, Soft Rubber, 50 Duro	2	41	9.802-518.0	Strain Relief, Strt, LQ Tite	1
14	9.802-170.0	Nipple, 3/8" x 3/8" NPT ST Female	1		9.802-526.0	Locknut, 3/4", Conduit	1
15	8.707-256.0	Pump Protector, 1/2" PTP	1	42	9.802-518.0	Strain Relief, STRT, LQ Tite (4-3000B, C)	1
16	9.802-270.0	Wheel, 4" Steel Rim	2		9.802-521.0	Strain Relief, 3/4", Water Tite (4-3000A)	1
17	8.712-345.0	Nozzle, SAQMCEG 0004 Red	1		9.802-526.0	Locknut, 3/4" Conduit	1
	8.712-346.0	Nozzle, SAQCMCEG 1504, Yellow	1	43	8.724-282.0	Contactor, 240V, CH, CE15HNS3BB-09 (4-3000A)	1
	8.712-347.0	Nozzle, SAQMCEG 2504 Green	1		8.724-273.0	Contactor, 240V, CH, CE15ENS3BB (4-3000B)	1
	8.712-348.0	Nozzle, SAQMCEG 4004 White	1		8.724-271.0	Contactor, 480V, CH CE15DNS3CB (4-3000C)	1
18	8.712-398.0	Nozzle Compl, QCEM-6540 w/Black Nylon	1	44	8.900-319.0	Label	1
19	8.715-098.0	Motor 7.5 HP 1 PH C-Face 1725RPM, 37N07X177 (4-30025A)	1	45	8.920-219.0	Bracket, Electrical Box	1
	8.715-103.0	Motor 7.5 HP 3 PH C-Face 1725 RPM, 37B12X54G1 (4-30025B, C)	1	46	9.802-535.0	Block, Contactor, N/O	1
20	8.715-304.0	Pump, AR RKA35G30E-F171		47	9.802-736.0	Bolt, 1/2" x 1-1/2" NC HH	4
21	9.802-729.0	Bolt, 3/8" x 2-1/4"	2	48	9.803-517.0	Washer, 1/2" Lock	4
22	8.715-480.0	Unloader, AR-3-5 5 GPM, 3650 PSI, Black Knob	1	49	9.803-126.0	Plate, Black	1
				50	9.803-098.0	Hanger, Hose & Wand	1
				51	9.802-425.0	Cord, Service, 8/3 (4-3000A)	2.75 ft.
					9.802-429.0	Cord, Service, 12/4 (4-3000C)	2.75 ft.
					9.802-437.0	Cord, Service 10/4 (4-3000B)	2.75 ft.

## 4-30025A, B, C EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
52	9.802-788.0	Nut, 5/16" Whiz Loc Flange 2	
53	9.802-776.0	Nut, 5/16" ESNA NC	4
54	8.718-980.0	Washer, 5/16" Flat, SAE	4
55	9.802-773.0	Nut, 1/4" ESNA, NC	6
56	9.802-802.0	Washer, 1/4" Flat	6
57	9.802-518.0	Strain Relief, 3/4" LQ Tite (4-3000A)	1
	9.802-526.0	Locknut, 3/4" (4-3000A)	1
	9.803-279.0	Strain Relief, 1" (4-3000B, C)	1
	9.803-280.0	Locknut, 1" (4-3000B, C)	1
58	9.800-049.0	Label, Manufacturer's Cleaning Solution	1
59	9.802-810.0	Washer, 5/8" Flat	2
60	9.802-225.0	Injector, Chem., Assy. 3-5 GPM	1
61	8.919-593.0	Axle Spacer Black Wrinkl Direct Frame	1

▲ Not Shown

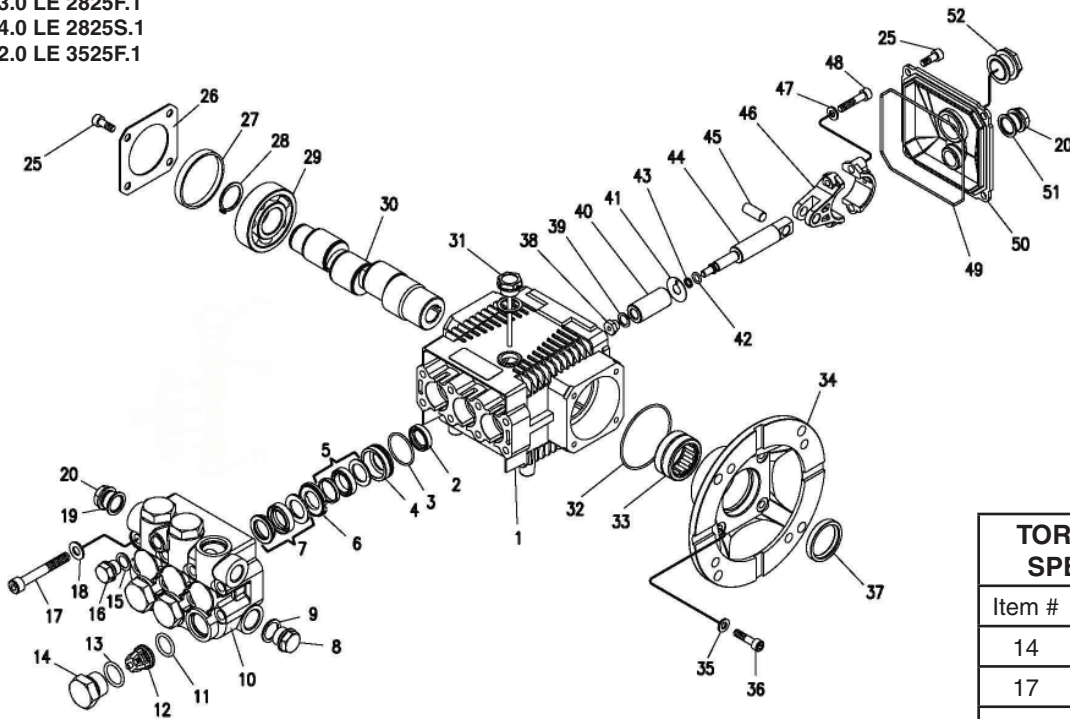
## SPECIFICATIONS

Machine		Pessure	Nozzle		Pump	Pump	Unloader	Motor	Motor
Model	GPM	(PSI)	Size	Hose p/n	Part #	Model	Part #	Hp	Part #
PDE2-11024D	2.0	1000	3.75	8.917-056.0	8.904-848.0	LE2020F	9.175-013.0	1-1/2	9.802-338.0
PDE2-15024D	1.8	1500	3.25	8.917-056.0	8.904-848.0	LE2020F	9.175-013.0	2	9.802-339.0
PDE4-20024A	3.5	2000	5.0	8.917-056.0	8.904-852.0	LE3525F	9.175-013.0	5	9.802-341.0
PDE4-30025A	3.5	3000	4.0	8.739-380.0	8.715-304.0	RKA35G30E-17	8.715-480.0	7-1/2	8.715-098.0
PDE4-30025B	3.5	3000	4.0	8.917-056.0	8.715-304.0	RKA35G30E-17	8.715-480.0	7-1/2	8.715-103.0
PDE4-30025C	3.5	3000	4.0	8.711-722.0	8.715-304.0	RKA35G30E-17	8.715-480.0	7-1/2	8.715-103.0



## LE.1 SERIES PUMP EXPLODED VIEW

8.904-848.0 LE 2020F.1  
 8.904-849.0 LE 2020S.1  
 8.916-553.0 LE 2825F.1  
 8.916-554.0 LE 2825S.1  
 8.904-852.0 LE 3525F.1



TORQUE SPECS	
Item #	Ft.-lbs
14	65
17	18
25	7.6
36	8
38	7
48	13

## LE.1 SERIES PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.803-938.0	Crankcase	1
2*	9.804-586.0	Plunger Oil Seal	3
3*	See Kit Below	O-Ring Ø 1.78 x 28.30	3
4*	See Kit Below	Pressure Ring 15mm	3
	See Kit Below	Pressure Ring 18mm	3
5*	See Kit Below	U-Seal, dia 15mm	6
	See Kit Below	U-Seal, dia 18mm	6
6*	See Kit Below	Intermediate Ring 15mm	6
	See Kit Below	Intermediate Ring 18mm	6
7*	See Kit Below	U-Seal, 15mm	3
	See Kit Below	U-Seal, 18mm	3
8	9.802-926.0	Brass Plug G1/2	1
9	9.803-199.0	Copper Washer 1/2"	1
10	9.803-946.0	Manifold Housing	1
11	9.803-947.0	O-Ring Ø1.78 x 15.54	6
12*	See Kit Below	Valve Assembly	6
13*	9.803-948.0	O-Ring Ø2.62 x 18.77	6
14	9.803-949.0	Valve Plug	6
15	9.803-950.0	Copper Washer 1/4	1

ITEM	PART NO.	DESCRIPTION	QTY
16	9.803-951.0	Brass Plug G1/4	1
17	9.803-952.0	Manifold Stud Bolt	8
18	9.802-884.0	Washer	8
19	9.803-198.0	Copper Washer 3/8	1
20	9.802-925.0	Brass Plug G3/8	2
25	9.802-939.0	Screw	12
26	9.803-953.0	Bearing Cover	2
27	9.803-954.0	Bearing Seal	1
28	9.802-914.0	Snap Ring	1
29	9.803-955.0	Ball Bearing	2
30	9.804-576.0	Crankshaft (2020F)	1
	9.804-577.0	Crankshaft (2020S)	1
	9.804-578.0	Crankshaft (2825F)	1
	9.804-579.0	Crankshaft (2825S)	1
	9.804-580.0	Crankshaft (3525F)	1
31	9.803-957.0	Oil Dipstick	1
32	9.804-581.0	O-Ring Ø3.53 x 55.56	1
33	9.804-582.0	Needle Bearing	1
34	9.804-583.0	Motor Flange 56C	1
35	9.803-210.0	Washer	4

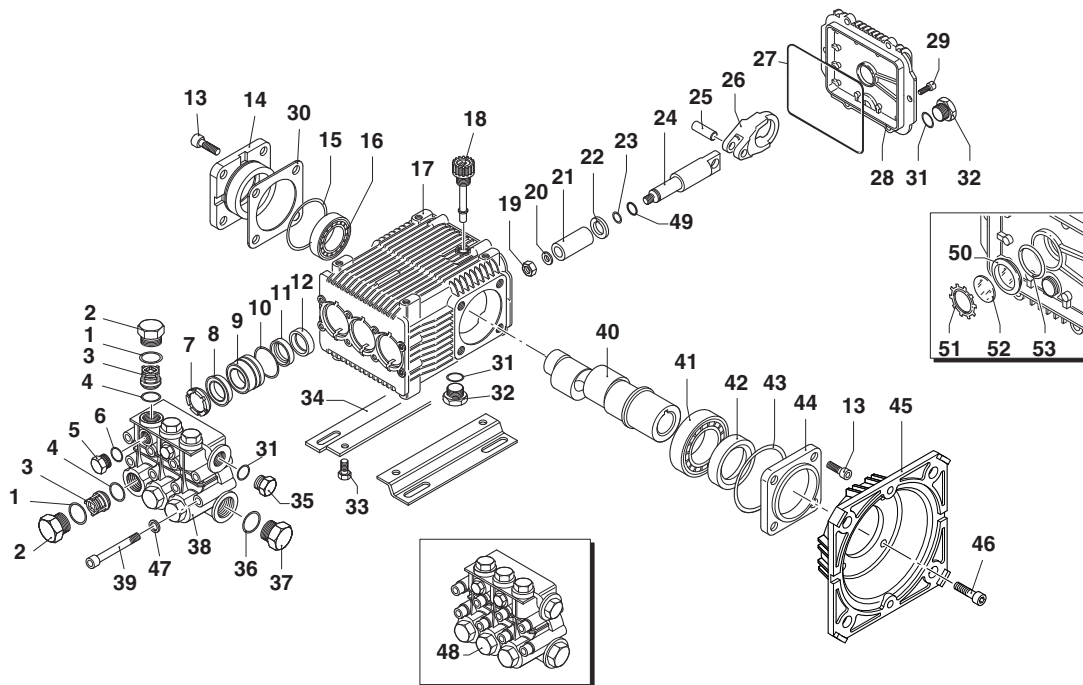
## LE.1 SERIES PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
36	9.804-584.0	Flange Screw	4
37	9.804-585.0	Crankshaft Seal	1
38*	See Kit Below	Plunger Nut	3
39*	See Kit Below	Copper Spacer	3
40*	See Kit Below	Plunger 15mm (2020F, 2825F, 3525F)	3
	See Kit Below	Plunger 18mm (2020S, 2825S)	3
41*	See Kit Below	Copper Spacer	3
42*	See Kit Below	O-Ring Ø1.78 x 5.28	3
43*	See Kit Below	Teflon Ring	3
44	9.803-964.0	Plunger Rod	3
45	9.803-965.0	Connecting Rod Pin	3
46	9.803-966.0	Connecting Rod	3
47	9.803-218.0	Spring Washer	6
48	8.933-020.0	Connecting Rod Screw	6
49	9.803-969.0	O-Ring Ø2.62 x 107.62	1
50	9.803-968.0	Crankcase Cover	1
51	9.803-197.0	Gasket	1
52	9.803-202.0	Sight Glass	1

REPAIR KIT NUMBER	8.725-354.0	8.725-350.0	8.725-355.0	8.725-357.0	9.803-934.0	9.803-935.0	9.803-936.0	9.803-937.0
KIT DESCRIPTION	Plunger Seal 15mm 2020F.1 2825F.1 3525F.1	Plunger Seal 18mm 2020S.1 2825S.1	Complete Seal Packing 15mm 2020F.1 2825F.1 3525F.1	Complete Seal Packing 18 mm 2020S.1 2825S.1	Plunger 15mm 2020F.1 2825F.1 3525F.1	Plunger 18mm 2020S.1 2825S.1	Complete Valve	Plunger Oil Seals
ITEM NUMBERS INCLUDED	3, 5, 7	3, 5, 7	3, 4, 5, 6, 7	3, 4, 5, 6, 7	38, 39, 40, 41, 42, 43	38, 39, 40, 41, 42, 43	11, 12, 13	2
NO. OF CYLINDERS KIT WILL SERVICE	3	3	1	1	1	1	6	3

# RKA PUMP EXPLODED VIEW

#5-2263 RKA 1750 RPM E VERSION 1-1/8" WITH NEMA 182-184 FLANGE



## RKA PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PARTNO.	DESCRIPTION	QTY
1	960160	O-Ring	6	13	850370	Screw	4
2	960090	Plug RKA	6	14	1380050	Bearing Support	1
	1380740	Plug RKAH	6	15	640030	O-Ring	1
3	1389051	Complete Valve	6	16	2280240	Bearing	1
4	880830	O-Ring	6	17	1382770	Pump Housing	1
5	880581	Plug, 1/4" G RKA	2	18	880130	Oil Cap	3
	1380690	Plug, 1/4" G Nickel RKAH	2	19	962010	Nut	3
6	820510	O-Ring	2	20	962000	Washer	3
7	960110	Supporting 018	3	21	1380940	Ceramic Piston 018	3
	840300	Supporting 020	3		1380930	Ceramic Piston 020	3
	840320	Supporting 022	3		1380360	Ceramic Piston 022	3
8	880320	Gasket 018	3	22	1380950	Spacer	3
	840290	Gasket 020	3	23	600180	O-Ring	3
	840330	Gasket 022	3	24	1380920	Guiding Piston	3
9	1380090	Piston Guide 018	3	25	1380060	Piston Pin	3
	1380150	Piston Guide 020	3	26	1383050	Aluminum Con Rod	3
	1380160	Piston Guide 022	3		1383020	Bronze Con Rod	3
10	961240	O-Ring	3	27	1780510	O-Ring	1
11	880330	Gasket 018	3	28	1789010	Complete Cover	1
	840280	Gasket 020	3	29	1343510	Screw	6
	840340	Gasket 022	3				
12	1383130	Seal	3				

## RKA PUMP EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
30	1380120	0,10 mm Shim	1-3	41	1380320	Bearing	1
	1380130	0,20 mm Shim	1-3	42	621170	Seal	1
	1380530	0,25 mm Shim	1-3	43	1380220	O-Ring	1
	1382810	0,05 mm Shim	1-3	44	1380210	Shaft Cover	1
31	740290	O-Ring	3	45	1380360	Electric Motor Flange	1
32	1980740	Plug 3/8" G	2	46	620610	Screw	4
33	1260470	Screw	4	47	1381850	Washer	8
34	1380141	Base	2	48	1389270	Pump Head Assem Ø18 RKA	1
35	1980740	Plug 3/8" G RKA	1		1389272	Pump Head Assem Ø18 RKAH	1
	1981180	Plug 3/8" G Nickel RKAH	1		1389208	Pump Head Assem Ø20 RKA	1
36	180101	O-Ring	1		1389268	Pump Head Assem Ø22 RKA	1
37	820361	Plug 1/2" G RKA	1		1389269	Pump Head Assem Ø22 RKAH	1
	960870	Plug 1/2" G Nickel RKAH	1	49	1080401	Ring	1
38	1381071	Pump Head Ø18 RKA	1	50	1260250	Oil Indicator	1
	1381070	Pump Head Ø18 RKAH	1	51	1260430	Snap Ring	1
	1380020	Pump Head Ø20 RKA	1	52	1780690	Disc	1
	1383010	Pump Head Ø22 RKA	1	53	1140450	O-Ring	1
	1383310	Pump Head Ø22 RKAH	1				
39	820150	Screw	8				
40	2280260	Hollow Shaft	1				
	2280200	Hollow Shaft	1				
	2280270	Hollow Shaft	1				
	2280280	Hollow Shaft	1				

### LEGEND

018	018	020	022
For ○	For □	For ▼	For ◆
RKA3.5G25 RKA3.5G30 RKA3.5G30H	RKA4G20 RKA4G30 RKA4G30H	RKA5.5G13	RKA6.5G13 RKA6.5G20H
For ●			
RKA7G13 RKA7G20H			

### SPECIAL PARTS

PART NO.	DESCRIPTION	QTY
2819	Kit for up to 180° F 018 High Temp	1
2820	Kit for up to 180° F 020 High Temp	1
2809	Viton water seals 018	1
2810	Viton water seals 020	1
2811	Viton water seals 022	1

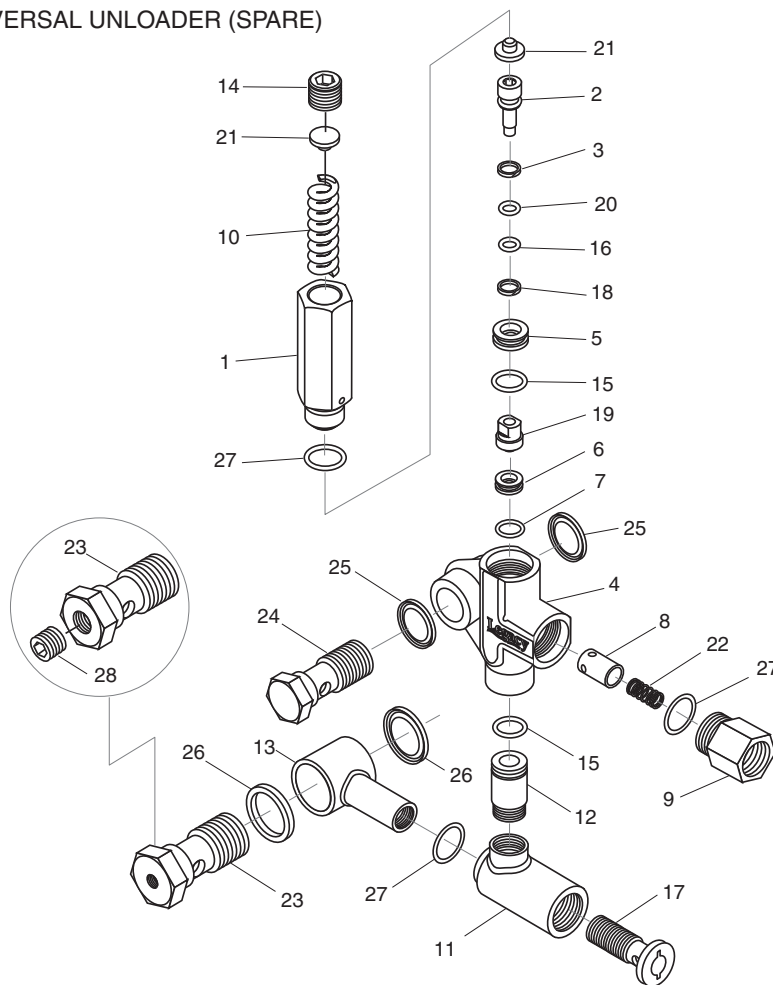
### REPAIR KITS

Water Seals		Valve		Pistons		Oil Seals		Support Rings	
Kit 1857018 Kit 1887020 Kit 1888022		Kit 2864		Kit 2546018 Kit 2547020 Kit 2759022		Kit 1856		Kit 1829018 Kit 1815020 Kit 1816022	
Item#	Qty	Item#	Qty	Item#	Qty	Item#	Qty	Item#	Qty
8	3	3	6	19	3	12	3	7	3
10	3	4	6	20	3	15	2		
11	3			21	3	27	1		
				22	3	42	1		
				23	3	43	1		
				49	3				

## UU1 UNLOADER EXPLODED VIEW

9.175-018.0

UU1 3500PSI, UNIVERSAL UNLOADER (SPARE)



## UU1 UNLOADER EXPLODED VIEW PARTS LIST

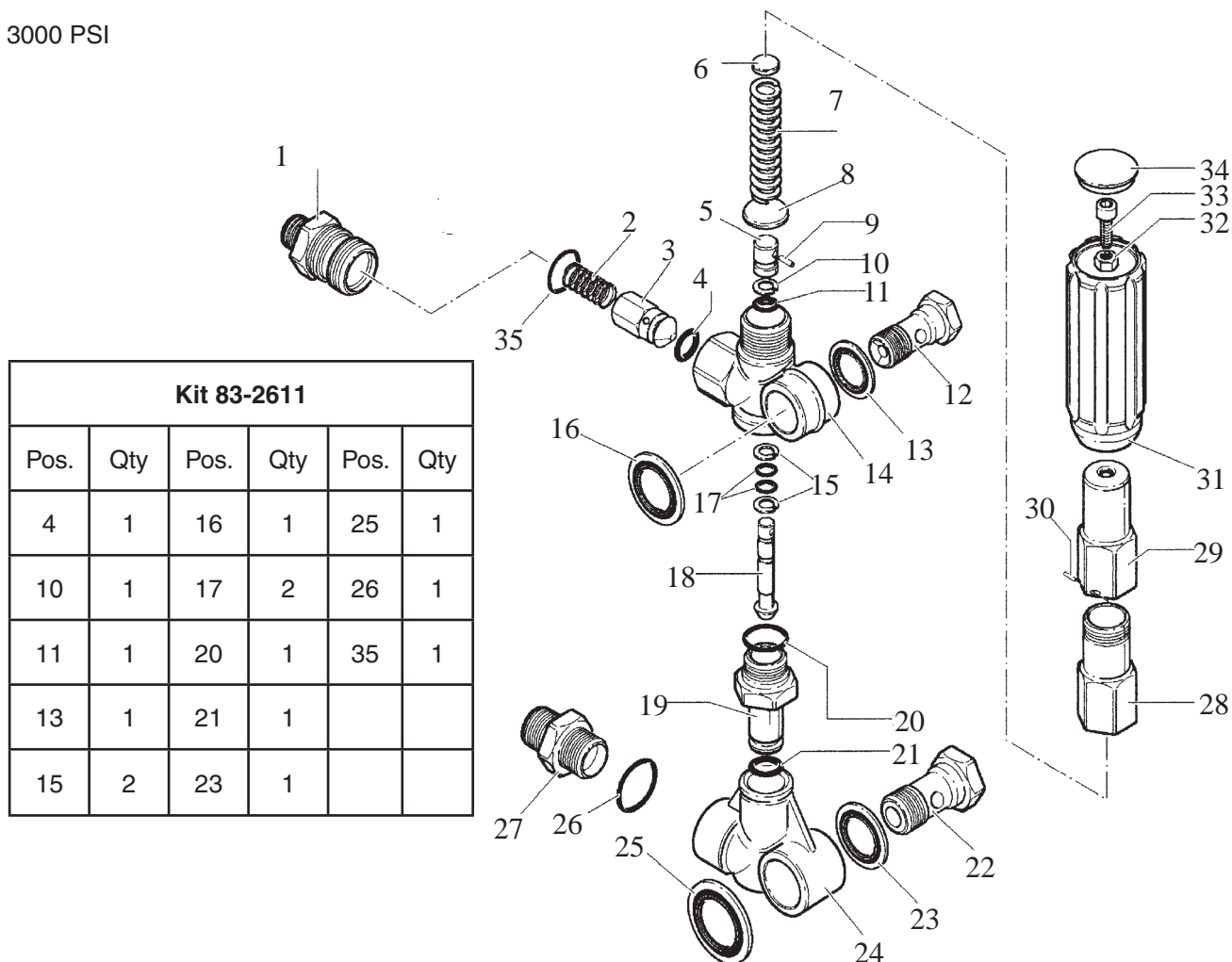
ITEM	PART #	DESCRIPTION	KIT	QTY
1	8.751-394.0	Piston Housing	D	1
2		Piston	C, D	1
3		Piston O-Ring Back Up	A, D	1
4	8.749-796.0	Main Block		1
5	9.152-372.0	Piston Ring	D	1
6		Ball Seat	C, D	1
7		O-Ring 10.5 ID x 1.5 CS	A,C,D	1
8		Plunger	B	1
9	9.152-016.0	Plunger Housing		1
10		Bypass Spring	C, D	1
11	9.149-001.0	Low Pressure Port		1
12	9.152-017.0	Sliding Connector, 30mm		1
	8.762-005.0	Sliding Connector, 40mm, Long		1
13	9.149-002.0	Sliding Connector H 1/2"		1
	9.149-005.0	Sliding Connector H 3/8"		1
14	9.196-011.0	Plug 5/8 -18 UNF	D	1
15		O-Ring 12 ID x 2 CS	A, D	2
16		O-Ring 6 ID X 2 CS	A, D	1

ITEM	PART #	DESCRIPTION	KIT	QTY
17	9.149-006.0	Sliding Connector Guide		1
18		O-Ring Backup 6 x 1.45 x 1.68	A, D	1
19		Ball Housing Assy	C, D	1
20		O-Ring 6.75 x 1.78 BN80	A, D	1
21		Spring Seat	C, D	2
22		Plunger Spring	B	1
23	8.917-699.0	Banjo Bolt 1/2" Short		1
	8.917-700.0	Banjo Bolt 1/2"-1/4" NPT Short		1
24	8.917-698.0	Banjo Bolt 3/8" Short		1
25	9.802-893.0	Seal Washer 3/8"		2
26	9.803-921.0	Seal Washer 1/2"		2
	9.802-893.0	Seal Washer 3/8"		2
27		O-Ring 15 ID x 2 CS	A,B,D	3
28	8.706-865.0	Plug, 1/4" Countersunk		1
<b>Kit A</b>	9.104-038.0	O-Ring Repair Kit		
<b>Kit B</b>	9.104-039.0	Outlet Kit		
<b>Kit C</b>	9.104-040.0	Stem Basic Kit		
<b>Kit D</b>	8.920-045.0	UU1 Complete Stem Kit		



## AR-20242G UNLOADER VALVE EXPLODED VIEW

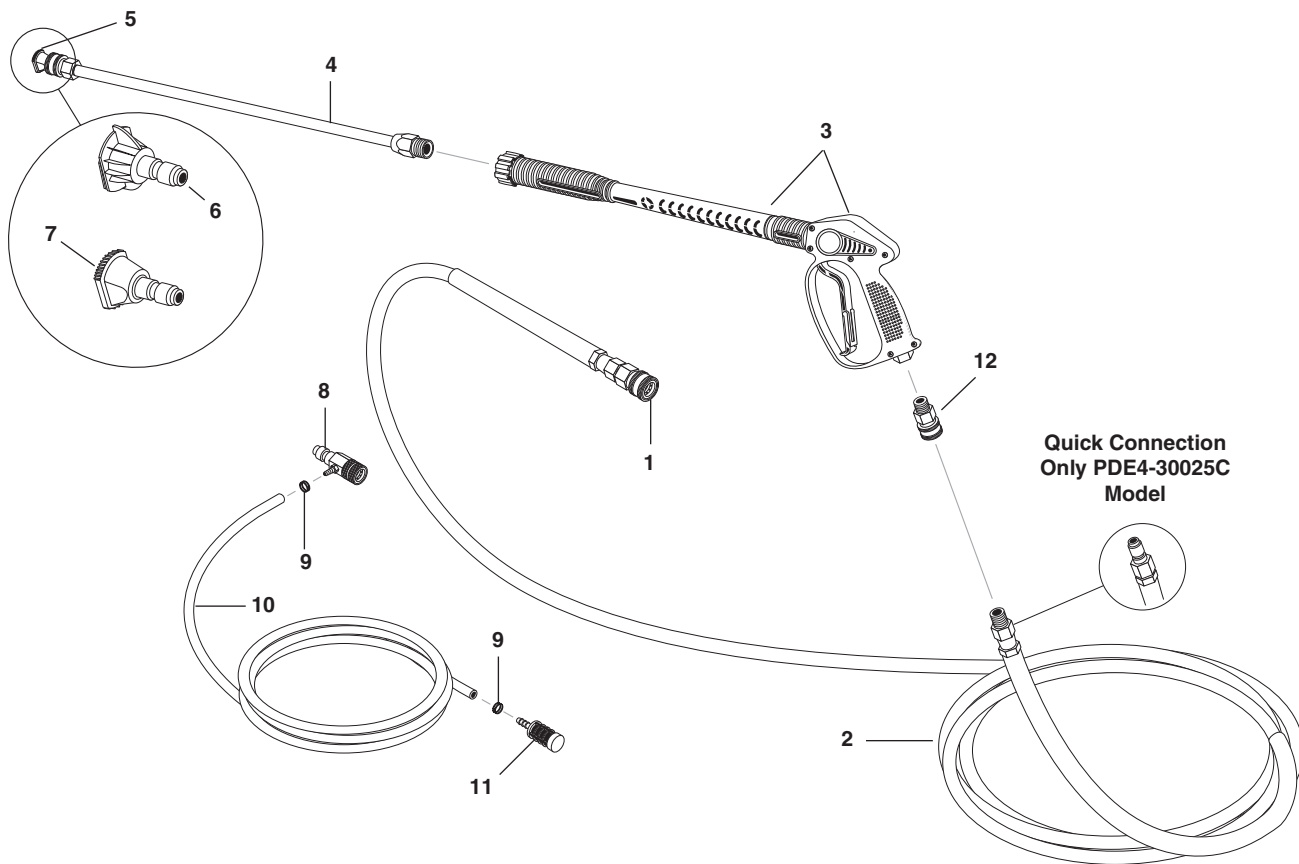
3000 PSI



## AR-20242G UNLOADER VALVE EXPLODED VIEW PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	83-1560110	Nipple	1	19	83-1560050	By-Pass Nipple	1
2	83-1560140	Spring	1	20	83-880270	O-Ring Ø17.17x1.78	1
3	83-1560100	Valve Ø13	1	21	83-390080	O-Ring Ø11.91x2.62	1
4	83-1560150	O-Ring Ø4x2.5	1	22	83-1540090	Bolt 1/2"G	1
5	83-1080540	Upper Piston	1	23	83-1540120	Washer Ring 1/2" Gas	2
6	83-1560440	Spring Cap	1	24	83-1540020	By-Pass Housing	1
7	83-1560350	Spring	1	25	83-1560290	Washer Ring 1/2"	1
8	83-1080610	Seat	1	26	83-480440	O-Ring Ø17.13x2.62	1
9	83-1080660	Pin 3x12	1	27	83-1540050	Inlet Fitting	1
10	83-1080640	Seat (Upper Piston)	1	28	83-1560410	Spring Guide	1
11	83-391000	O-Ring Ø9.13x2.62	1	29	83-1560420	Adjustment Sleeve	1
12	83-1540080	Bolt 3/8"G	1	30	83-1080070	Pin	1
13	83-1540110	Washer Ring 3/8"G	2	31	83-1560400	Knob	1
14	83-1560010	Valve Body	1	32	83-1660210	Locking Nut	1
15	83-1080550	Seat	2	33	83-180030	Set Screw M3x4	1
16	83-1560280	Washer Ring 3/8"G	2	34	83-1560580	Cap	1
17	83-480480	O-Ring Ø4.48x1.78	2	35	83-180101	O-Ring Ø17.5x2	1
18	83-1560320	Lower Piston	1				

## HOSE AND SPRAY GUN ASSEMBLY



## HOSE AND SPRAY GUN ASSEMBLY PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY
1	9.802-166.0	Coupler, 3/8" Female	1
	9.802-100.0	▲ Quick Coupler O-Ring	1
2	Hose, See Specifications page # 19		1
3	9.802-223.0	Spray Gun, Shut-Off	1
4	9.802-220.0	Wand, Straight	1
5	9.802-164.0	Coupler, 1/4" Female	1
	9.802-096.0	Quick Coupler O-Ring	1
6	Nozzle, See Specifications Page		

ITEM	PART NO.	DESCRIPTION	QTY
7	8.712-398.0	Nozzle, Brass Soap	1
8	9.802-216.0	Injector, Chemical, Non-Adjust, 3-5GPM, .083	1
9	9.802-210.0	Clamp, Hose, .46 - .54 ST	2
10	9.802-251.0	Tube, 1/2" x 1/2" Clear Vinyl	6ft.
11	8.707-057.0	Strainer, 1/4" Hose Barb, Plastic	1
12	9.802-169.0	Coupler, 3/8" Socket, Male Brass (PDE4-30025C Only)	1

▲ Not Shown



## LANDA LIMITED NEW PRODUCT WARRANTY PRESSURE WASHERS WHAT THIS WARRANTY COVERS

All LANDA pressure washers are warranted by LANDA to the original purchaser to be free from defects in materials and workmanship under normal use, for the periods specified below. This Limited Warranty is subject to the exclusions shown below, is calculated from the date of the original purchase, and applies to the original components only. Any parts replaced under this warranty will assume the remainder of the part's warranty period.

### SEVEN YEAR PARTS AND ONE YEAR LABOR WARRANTY:

Components manufactured by LANDA, such as frames, handles, top and bottom wraps, float tanks, fuel tanks, belt guards, and internal components on the oil-end of Landa manufactured pumps. General, AR, Liberty, Comet and swash and wobble plate pumps have a one year warranty. Heating coils have a five year warranty from date of original machine purchase.

### ONE YEAR PARTS AND ONE YEAR LABOR WARRANTY:

All other components, excluding normal wear items as described below, will be warranted for one year on parts and labor. Parts and labor warranty on these parts will be for one year regardless of the duration of the original component manufacturer's part warranty.

### WARRANTY PROVIDED BY OTHER MANUFACTURERS:

Motors, generators, and engines, which are warranted by their respective manufacturers, are serviced through these manufacturers' local authorized service centers. LANDA is not authorized and has no responsibility to provide warranty service for such components.

### WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover the following items:

1. Normal wear items, such as nozzles, spray guns, discharge hoses, wands, quick couplers, seals, filters, gas-kets, O-rings, packings, pistons, pump valve assemblies, strainers, belts, brushes, rupture disks, fuses, pump protectors.
2. Damage or malfunctions resulting from accidents, abuse, modifications, alterations, incorrect installation, improper servicing, failure to follow manufacturer's maintenance instructions, or use of the equipment beyond its stated usage specifications as contained in the operator's manual.
3. Damage due to freezing, chemical deterioration, scale build up, rust, corrosion, or thermal expansion.
4. Damage to components from fluctuations in electrical or water supply.
5. Normal maintenance service, including adjustments, fuel system cleaning, and clearing of obstructions.
6. Transportation to service center, field labor charges, or freight damage.

### WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE

While not required for warranty service, we request that you register your LANDA pressure washer by returning the completed registration card. In order to obtain warranty service on items warranted by LANDA, you must return the product to your Authorized LANDA Dealer, freight prepaid, with proof of purchase, within the applicable warranty period. If the product is permanently installed, you must notify your Authorized LANDA Dealer of the defect. Your Authorized LANDA Dealer will file a claim with Landa, who must subsequently verify the defect. In most cases, the part must be returned to LANDA freight prepaid with the claim. For warranty service on components warranted by other manufacturer's, your Authorized LANDA Dealer can help you obtain warranty service through these manufacturers' local authorized service centers.

### LIMITATION OF LIABILITY

LANDA'S liability for special, incidental, or consequential damages is expressly disclaimed. In no event shall LANDA'S liability exceed the purchase price of the product in question. LANDA makes every effort to ensure that all illustrations and specifications are correct, however, these do not imply a warranty that the product is merchantable or fit for a particular purpose, or that the product will actually conform to the illustrations and specifications. Our obligation under this warranty is expressly limited at our option to the replacement or repair at a service facility or factory designated by us, of such part or parts as inspection shall disclose to have been defective. **THE WARRANTY CONTAINED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.** LANDA does not authorize any other party, including authorized LANDA Dealers, to make any representation or promise on behalf of LANDA, or to modify the terms, conditions, or limitations in any way. It is the buyer's responsibility to ensure that the installation and use of LANDA products conforms to local codes. While LANDA attempts to assure that its products meet national codes, it cannot be responsible for how the customer chooses to use or install the product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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