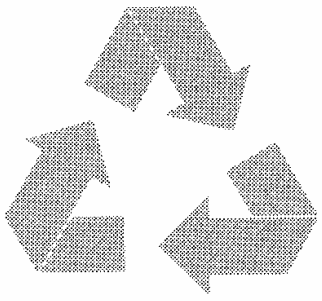
ELIMINATOR

Installation, Operation and Maintenance Manual

MODEL 120
WASTE OIL BURNER



Do not use or operate machine until this manual has been read and fully understood.

IMPORTANT

If this machine is used by anyone who is not the owner or is loaned or rented, make certain that the operators(s) prior to operating:

- **Is instructed in safe and proper use**
- **Review and understands the manual(s) pertaining to the machine**
- **Understands that this unit is for professional use only**

CAUTION

This unit is recommended for Commercial & Industrial use only and is not for Residential use.

NOTICE

The manufacturer reserves the right to make improvements in design and/or changes in specifications at any time without incurring any obligation to install them on units previously sold.

Table of Contents

⚠ WARNING

By EPA regulations 266.40 - 266.41 - 266.44
Burning "Off Specification Used Oil"
can subject you to Federal
& State Law Violations and Fines.
Consult State & Federal Codes.

USED OIL EXCEEDING ANY SPECIFICATION LEVEL IS SUBJECT TO THIS SUBPART WHEN BURNED FOR ENERGY RECOVERY [a]

Constituent/property	Allowable level
Arsenic	5 ppm maximum.
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum.
Flash Point	100 °F minimum.
Total Halogens	4,000 ppm maximum.[b]

[a] The specification does not apply to used oil fuel mixed with a hazardous waste other than small quantity generator hazardous waste.

[b] Used oil containing more than 1,000 ppm total halogens is presumed to be hazardous waste under the rebuttable presumption provided under § 266.40(c). Such used oil is subject to Subpart D of this part rather than this subpart when burned for energy recovery unless the presumption of mixing

Introductory

To the Owner:

CONGRATULATIONS

You have just purchased the finest waste oil burner available, and it is made in America! With proper care and maintenance, it will provide long and dependable service.

This manual contains safety suggestions and important instructions regarding this equipment. The basic model machines and fuel systems are explained, use the information applicable to your particular machine. **Read this manual thoroughly and retain for future reference.**

Generic Symbols
The following group of symbols are used in this manual to help communicate the intent of the instructions. When one of the symbols appears, it conveys the meaning defined below:

Safety Alert-Serious injury or damage can result if instructions are **not** followed.

Inspection Required

Acceptable (OK)

Hourly Service Interval

Unacceptable (Not OK) Condition

IMPORTANT NOTICE
If replacement parts are required, use only genuine original equipment parts. DO NOT use unauthorized parts or substitute materials.

Safety

THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.

IMPORTANT
United States Government safety standards have been adopted under the Occupational Safety and Health Act. These standards- particularly the General Standards, Part 1910, and the Construction Standards, Part 1926 - should be consulted in connection with your use of airless spray equipment.

Safety Rules

We can not anticipate every possible circumstance that might involve potential hazard. The warnings, cautions and safety suggestions in this manual are therefore not all inclusive. If an operating procedure, installation, maintenance or work method not specifically recommended is used, you must satisfy yourself that it is safe for you and other persons. You must also ensure that the product will not be damaged or be made unsafe by the procedure that you choose.

MODEL 100s
WARNING: DO NOT light when hot! Explosion can occur when hot vaporizer pan is placed in chamber.

- **Heater** is not for Residential use.
- **Always** shut off the unit before performing any machine service.
- **Never** alter or modify this equipment! Your personal safety as well as the safety of other persons is at stake.
- **Never** exceed the factory temperature rating of the system.
- **Never** attempt to immediately run or relight the burner if ignition doesn't take place the first time. Unburned oil or gas may have accumulated causing a potential explosion or fire hazard.
- **Never** allow children or any unauthorized persons to operate the machine. Keep all persons at a safe distance when using the machine.
- **Do not** operate the machine where combustible fumes or dust may be present.
- **Always** provide approved vent stacks if the machine is to be used in an enclosed area. Comply with all National, State and Local codes (ANSI / NFPA 31) for locating, venting and using the machine in enclosed areas. Exhaust fumes contain odorless, invisible gases which can kill without warning.
- **Always** connect the machine to the correct electrical supply outlet. Comply with all local and National codes and ordinances regarding electrical requirements (ANSI / NFPA 70).
- **Do not** allow electrical extension cord connections to fall or lay in water. Use only extension cords rated for use with this machine.
- **Do not** allow thermostat to lay on the floor, as danger of electrical shock exists.
- **Always** respect and be alert to the potential hazards of electrical equipment, hot burners.

Safety

- **Always** be certain that the machine safety decal's are kept clean and legible, replace any decal's that become damaged, lost or painted over.
- **Always** disconnect the electrical plug before performing any repairs or service on the machine. **Do not** attempt repairs or modifications you do not understand. Contact your servicing dealer or contractor.
- **Always** keep guards or shields in place. Replace any that must be removed for service or that may be damaged.
- **Do not** store waste oil closer than 8 feet from heat exchanger.
- **Never** place combustible items close to heater.
- **Never** install or place heat exchanger closer than 4 feet from wood or wood surfaces.
- **Always** use a Barometric Damper when installing smoke pipe, to maintain steady flow.
- **Do not** overfill the fuel tank! If fuel spillage occurs, do not light the burner or start the engine before cleaning up and neutralizing any spilled fuel.
- **Always** shut down the machine and cool the engine before adding fuel. Refuel away from open fires or sparks. **Do not** smoke while refueling. **Never** attempt to refuel while machine is in operation or if the pilot is lit. Failure to obey this warning can cause an explosion or fire.

OSHA Lockout / Tagout Rule

To prevent unexpected energizing, start-up or release of energy that could cause injury to the employees working on the equipment the following steps must be followed:

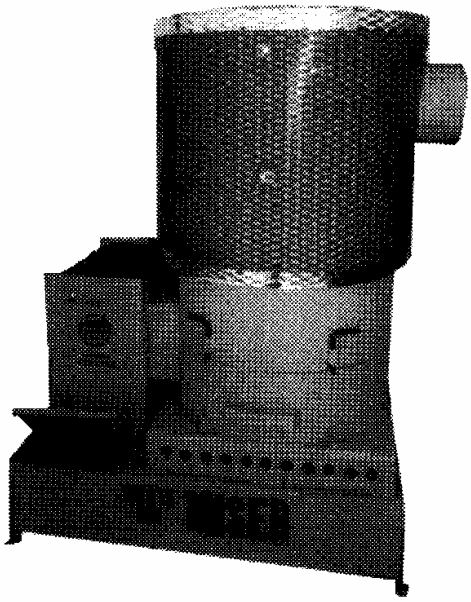
1. Turn off equipment
2. Shut off main power by removing cord, or shutting off electrical disconnect switch
3. Secure the power cord near the machine, or lock and tag the switch
4. Check all previous steps, and then try to operate the machine to assure that it won't work

These procedures insure that all power to the machine will be under control.

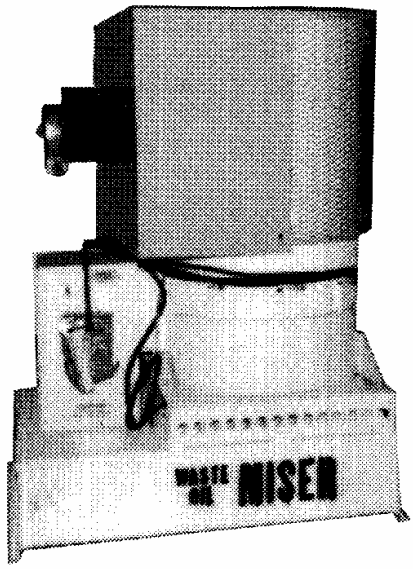
Specifications

MODELS	**120**
OUTPUT BTU'S	120,000 BTU'S
RADIATION SURFACE SQUARE INCH	Over 1,900
OIL CONSUMPTION RATE	.8 U.S. GAL./HR.
FUEL TANK CAPACITY U.S. GALLON	15
POWER SOURCE VOLTAGE	115
HEATER AMPERAGE	3.8AMPS
DIMENSIONS (INCHES)	
Height	42
Width	23
Length	30
APPROX. WEIGHT (LBS.)	
HEATER	330
EXHAUST PIPE O.D.	6 INCHES

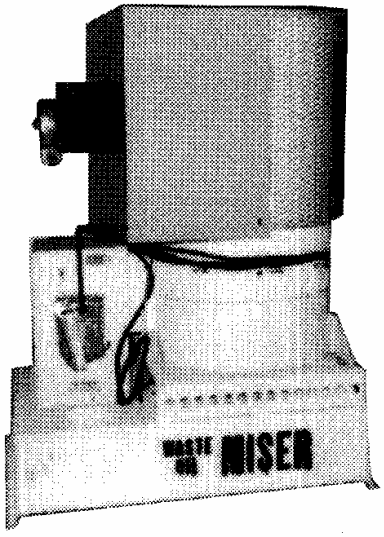
Previous Models



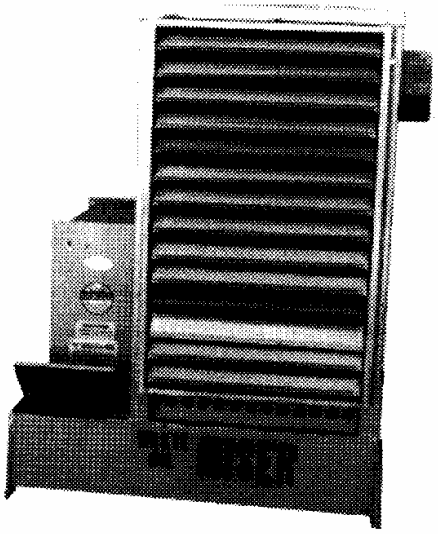
Radiant Heater
100-G 1978-80



Squirrel Cage Circulating Fan
100-G 1980-82

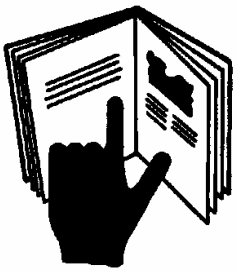


Circulating Fan-16" Blade
100-G 1982-90



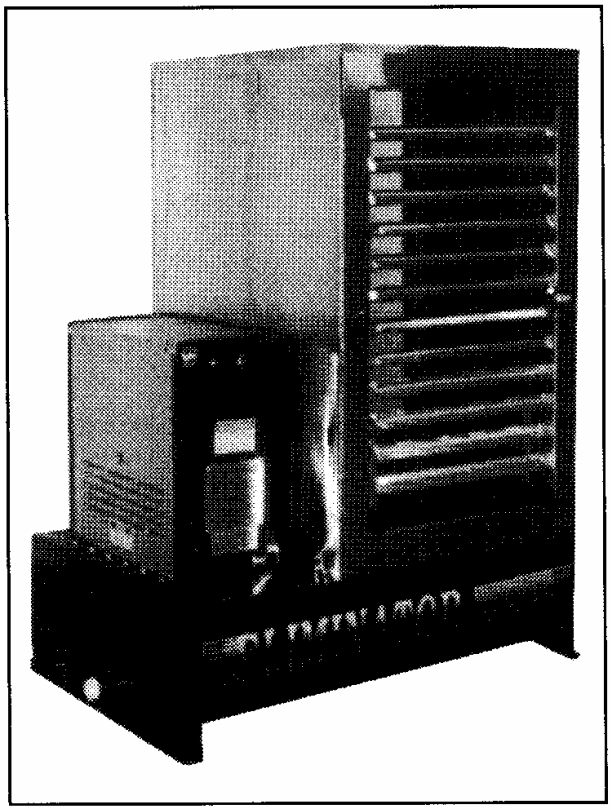
100-S 1984-1993

For Your Safety and the Safety of Others, Study This Manual Before Operating or Servicing the Machine.



Machine Delivery Inspection

Examine the shipping crate and machine carefully for any hidden damage during shipping. Claims for damage or shortage should be filed with the contract carrier. Remove all loose parts and strapping attached To the machine for shipping purposes.

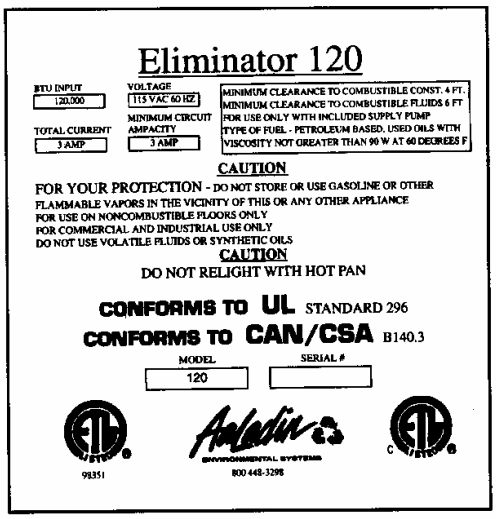


Present Model Eliminator 120

Machine Identification

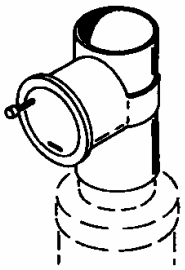
The machine model number, serial number and specifications are stamped on a plate permanently attached to the rear panel of the machine.

Record the information from this plate for any future reference.

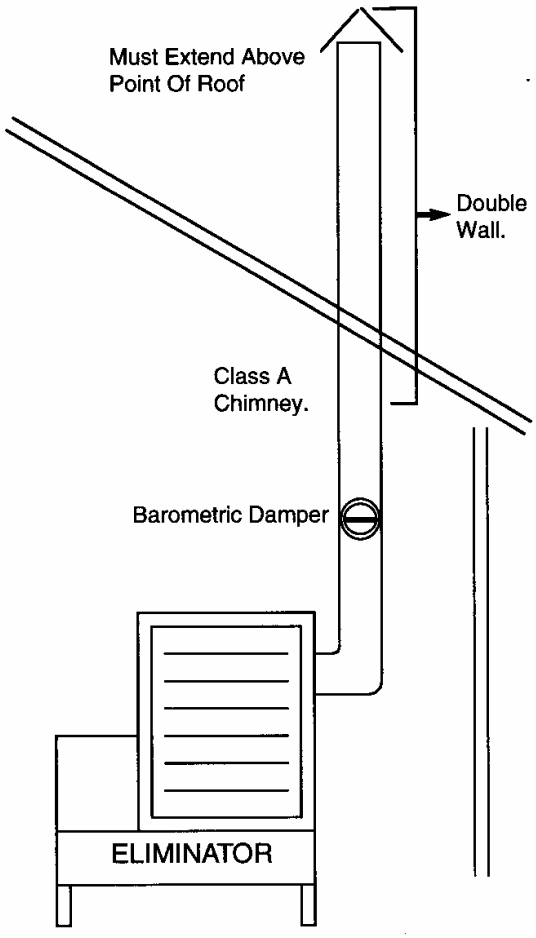


Data Plate

Set-Up and Operating Information



Typical Oil Fired Draft Regulator



Machine Location Model 120

The Waste Oil Eliminator is designed specifically for use as stationary unit with a 6 ", "Class A" all fuel approved chimney, with Barometric Damper installed immediately above unit. If adequate drafting is a problem (.03 to .05" is recommended). An additional installation of a draft inducer is needed.

When locating the machine it will be important to position the machine for easy access to all controls, and power. Consideration must also be given for the best possible access to all machine routine maintenance or service requirements.

It is recommended that this heating appliance be installed by a qualified technician and conform to all local and state codes ANSI / NFPA 31 - 70.

DO NOT locate the burner in small enclosed area with an exhaust fan ventilation. Without adequate oxygen, incomplete combustion and/or carbon monoxide will result.

DO NOT locate the burner where fumes, dust or other flammable materials may be present.

ALWAYS maintain the following clearance to combustibles.
Top 3 feet
Bottom 8 feet
Sides 3 feet
Back (fan side) 5 feet
Front (air output) 20 feet

Machine Set-Up (Preparation) MODEL 120

1. After mounting unit in proper location.
2. Mount thermostat, do not allow thermostat or thermostat cord to lay on the floor. Do not drop or damage.
3. Fill supply tank with prefiltered used oil from primary storage tank.
4. A magnetic oil pan heater installed under pump screen intake will help facilitate pumping cold or heavy viscosity oil.

Set-Up and Operating Information

Burner Fuel requirements

Oil Fired Units

Model 120 - fill fuel tank with oil. 90 W maximum viscosity.

WARNING
DO NOT LIGHT WHEN HOT!
Explosion can occur when hot vaporizer pan is placed in chamber.

WARNING
DO NOT OVER FILL TANK!
If spillage occurs, do not light the burner before cleaning up and neutralizing any spilled fuel.

WARNING
DO NOT USE OR MIX GASOLINE OR ALCOHOL WITH FUEL!
This mixture can cause an explosion resulting in serious personal injury or death.

Electrical Requirements:

1. Refer to the machine data plate to determine the exact electrical supply requirements for your machine.

2. Be sure all machine switches are turned off before connecting the electrical supply.

3. **Important:** Electrical power for the machine must be supplied from a properly grounded mating receptacle and an adequately fused disconnect. where a properly grounded receptacle is not available, it is the responsibility of the owner to provide one, or have one installed.

   On all 115 volt machines, use a UL listed 12/3 extension cord only. Do not exceed 50 feet in length.

Important: *Do not attempt to operate this machine on less than 90% of rated system voltage (over heating, poor performance, or component damage could occur). Contact a qualified electrical technician or your power company to check for proper system voltage.*

Set-Up and Operating Information

Initial Machine Start-Up Model 120

After the machine has been properly set-up, fueled and prepared for use, perform the following initial start-up procedures before using the machine.

1. Stroke pump several times to prime.

2. Remove vaporizer pan and pour approximately 1/2" to3/4" Waste Oil into bottom of pan.

3. Replace pan and light fuel using rolled paper as starter wick, or small propane torch.

4. Turn on switch and press reset button.

5. Install opening cover and lock in place.

6. Avoid introducing water or heavy jelled oils to tank, as after the amount of impure substance cover the intake screen, it must be pumped out before the unit will operate.

   Upon initial fire up a slight adjustment of the combustion air blower may be necessary. Adjust the plate on the intake side of the blower as per instructions in the troubleshooting guide.

   Fuel pump will not start until heat exchanger reaches its operating temperature of 140 degrees.

7. Make sure Air Wand is properly installed in heat chamber before firing (Refer to page 19).

Routine Maintenance

A Properly Maintained Machine Is A Safe Machine

It is the operators responsibility to make daily inspections of the machine for anything that could cause a potential service, fire or safety problem

Service & Maintenance Schedule

Preventative maintenance is the easiest and least expensive type of maintenance. The life of any machine depends on the care that it is given. Regular inspections of the machine's systems and critical components is the key to preventative maintenance. To prevent machine down time and prolong the life of your unit, follow these simple routines.

Daily - Model 120

- Remove and clean vaporizer pan
- Check pump screen for build-up, which will prevent proper oil intake.
- Fill supply tank with clean filtered used oil.
- Check supply tank for build-up of sludge and water.

Weekly - Model 120

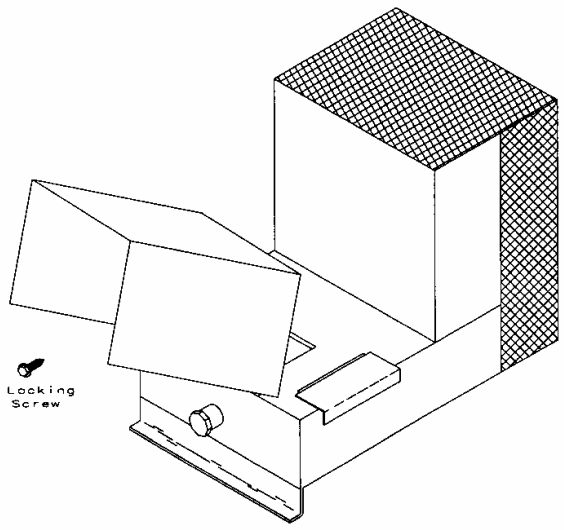
- Remove air wand and clean air holes. BE SURE TO REINSTALL PROPERLY!
- Check bottom of heat chamber for ash residue build-up.
- Check chimney for soot build-up. Clean if needed. Remove and check Stainless Steel drip tube, for build-up. If unable to properly clean, replace part.

Monthly - Model 120

- Check bushing on pump rod. if worn replace.
- Clean fins on Combustion Blower. (Dust build-up will interfere with efficiency.)

Yearly - Model 120

- Remove Stainless Steel pump cylinder - check valve assembly, check for compression and obstruction in valves. (clean with solvent or carburetor cleaner using light air pressure to dry.
- Replace air wand and vaporizer pan if extremely deteriorated.
- Clean interior of heat chamber.
- Drain and clean supply tank of all water and sludge accumulation.



Note:
For access to pump mechanism remove Control Panel Locking Screw and tilt Control Panel out.

Troubleshooting

WARNING: Before Attempting Any Repairs or Maintenance, Be Sure Machine is Shut Off and Disconnected from Electrical Supply.

Troubleshooting

Troubleshooting is an organized study of the problem and a planned method or procedure for investigation and correction of the difficulty. The following troubleshooting guide includes some of the problems that you may encounter during the service life of the machine.

The troubleshooting guide does not give all the answers for correction of problems listed, but are meant to stimulate a train of thought and indicate a work procedure directed toward the source of the trouble.

THINK BEFORE ACTING

Study the problem thoroughly and ask yourself these questions:

1. What are the warning signs preceding the trouble?
2. What previous repair and maintenance work has been done?
3. Has a similar problem occurred before?
4. If the unit still runs, is it safe to continue operation to make further checks?

SO EASIEST THINGS FIRST

Most problems are simple and easily corrected.
Example: "Fuel pump will not start" complaint caused by water in fuel or power cord not connected.

Always check the easiest and obvious things first. Following this simple rule will save time and trouble.

FIND AND CORRECT BASIC CAUSE OF TROUBLE

AFTER A MECHANICAL FAILURE HAS BEEN CORRECTED, BE SURE TO LOCATE AND CORRECT THE CAUSE OF THE PROBLEM SO THAT THE SAME FAILURE WILL NOT BE REPEATED. A COMPLAINT OF "FAILED FUEL PUMP" MAY BE CORRECTED BY REPLACING THE FAULTY PUMP, BUT SOMETHING CAUSED THE PUMP TO FAIL. THE CAUSE MAY BE DEBRIS OR MORE OFTEN WATER IN THE FUEL.

The following pages list some of the problems, causes and probable fixes the operator can study to become aware of what might cause the problem should it arise.

If the hints in this manual do not correct a problem, contact a dealer or authorized service representative. **DO NOT** attempt repairs you do not understand.

TROUBLE SHOOTING

OIL BURNER MALFUNCTION - 120

	PROBLEM		PROBABLE CAUSE		POSSIBLE REMEDY
1.	Fuel pump does not start	1.	Heat exchanger did not reach operating temperature on start up.	1.	Allow unit to cool, remove vaporizer pan, add a larger amount of starter oil. Relight as in operating instructions.
		2.	Power cord is not connected.	2.	Plug into 115 volt AC line.
		3.	Air flow cooling thermal disc.	3.	Redirect air flow from area of thermal element.
		4.	Water frozen in pump.	4.	Allow oil in tank to warm and siphon water from tank.
		5.	Pump thermal-disc is faulty.	5.	Replace.
2.	Flame dies or smothers during start up.	1.	Cold air block in chimney	1.	Set barometric damper to a lighter more open setting. Use more fuel.
		2.	Low pressure or vacuum inside building.	2.	Open door or window to equalize inside with outside.
3.	Flame dies after pump starts.	1.	Hissing and sizzling indicates water in tank.	1.	Siphon water from tank, stroke pump 4 or 5 times to extract water, relight as in operating instructions.
4.	Heater does not produce much heat.	1.	Check thermostat setting.	1.	Isolate thermostat from immediate area of heater.
		2.	Too much draft.	2.	Set barometric damper to a very light open setting .04 - 05.
		3.	Combustion air blower too far open and causing a cooling effect on the vaporizer pan.	3.	Heater will not operate well under this condition. Close blower metering plate until approximately 1/4 open. Wait 10 minutes and adjust plate until a lazy yellow - orange flame can be observed.
		4.	Oil dripping on wand instead of on center of stainless steel oil distributor in pan	4.	Injection tube bent and is dropping oil on top of the side of air wand. Adjust tube to allow oil to fall through center of large tube. NOTE: ABOVE CAN CAUSE SEVERE AND EXTENSIVE DAMAGE.
		5.	Nylon bushing in vari-stroke crank block worn out or missing.	5.	Replace bushing on pump rod. replace crank if worn.
		6.	Check valves on pump in tank not working.	6.	Remove valves and clean in solvent. **(DO NOT DISMANTLE CHECK VALVES, AS THESE UNITS ARE FACTORY CALIBRATED.)** If valve is weak or broken, replace assembly.

TROUBLE SHOOTING

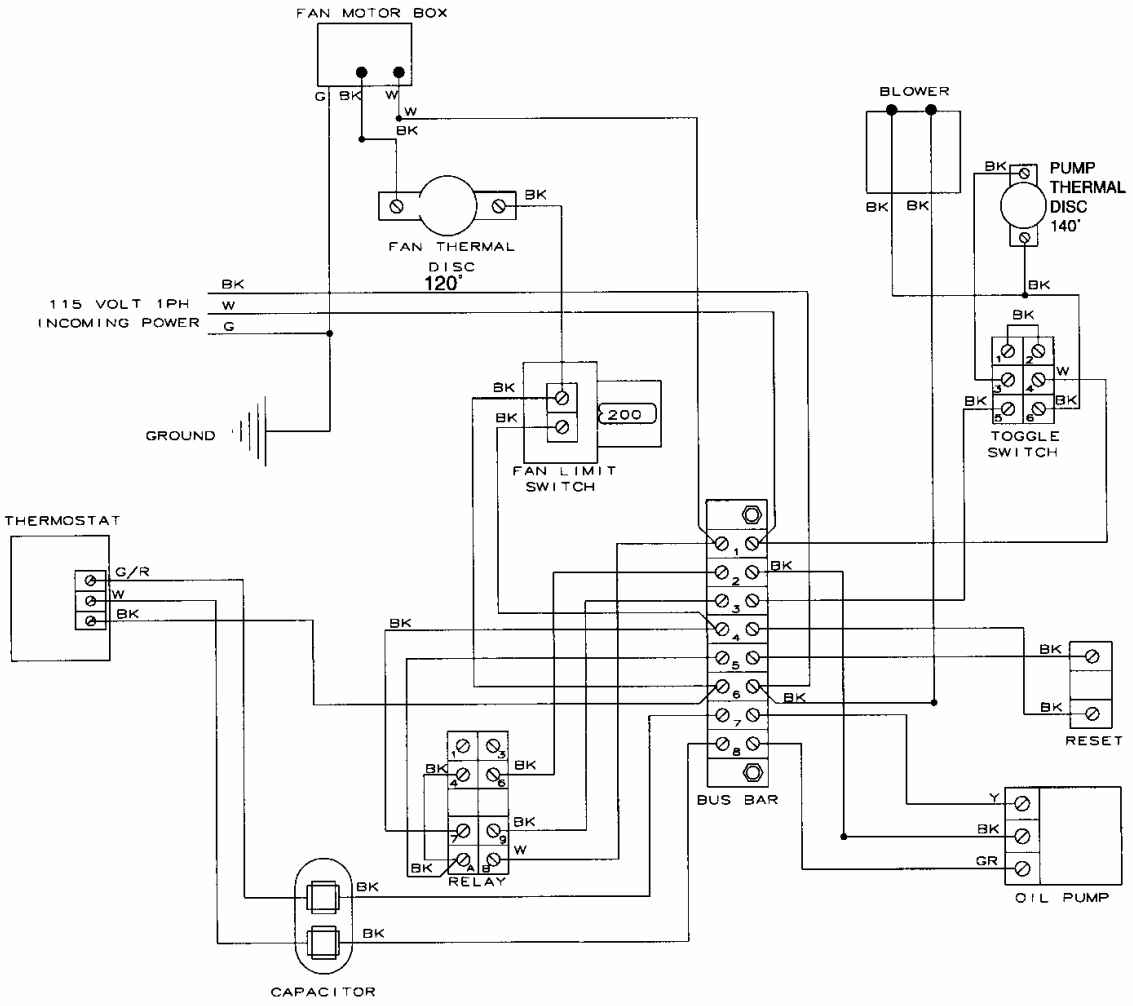
OIL BURNER MALFUNCTION - 120

	PROBLEM		PROBABLE CAUSE		POSSIBLE REMEDY
5.	Heater produces black smoke or soot	1.	Too much draft.	1.	Set barometric damper to a more open setting. Set plate on combustion air blower to a more closed setting.
		2.	Waste oil contains too much synthetic oil or other non-combustible chemicals.	2.	Use other oil.
		3.	Air wand is plugged or deteriorated.	3.	Remove wand weekly and clean. Replace if needed.
		4.	Air wand installed upside down.	4.	Install air wand with the 4-vent holes pointed down (See page 19).
6.	Low temperature out put.	1.	Injection tube is plugged or beginning to plug.	1.	Remove and clean stainless steel tube. If tube can not be cleaned, remove and install new stainless steel tube.
7.	Pump is clicking on every lift cycle.	1.	Intake screen plugged.	1.	Remove and clean screen.

IN SUMMARY

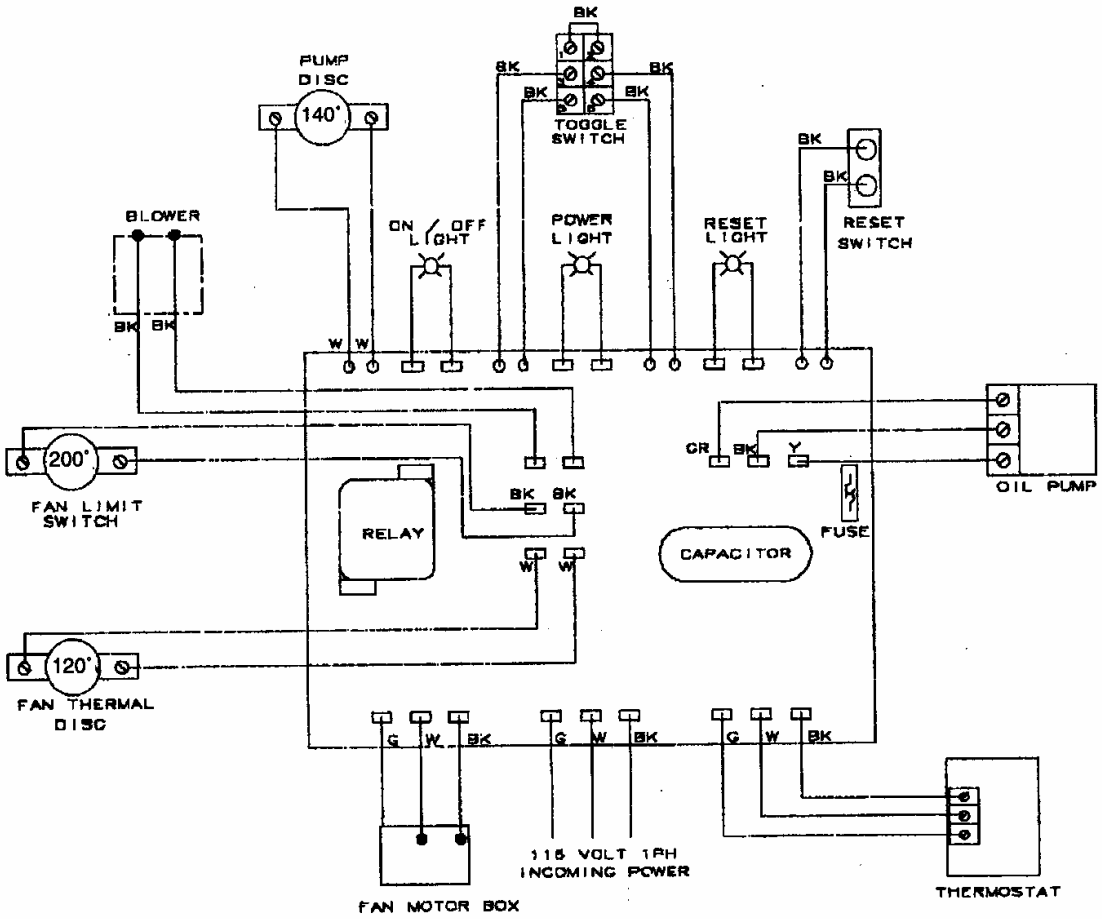
This heating unit is tested and adjusted at the factory to operate in normal installations. The most common mistake is to open the combustion air blower too far. This in turn will cause the vaporizer pan to cool to a point where it will not vaporize the oil, causing a black smokey chamber. a good rule of thumb is to operate with as small amount of combustion air as possible without allowing the pan to become flooded. Be sure to observe this condition when the unit has been operating on high output for 15 minutes or more.

WASTE OIL SCHEMATIC
MODEL 120
115V 1PH



BK= BLACK
W= WHITE
G= GREEN
O= ORANGE
Y= YELLOW
R= RED

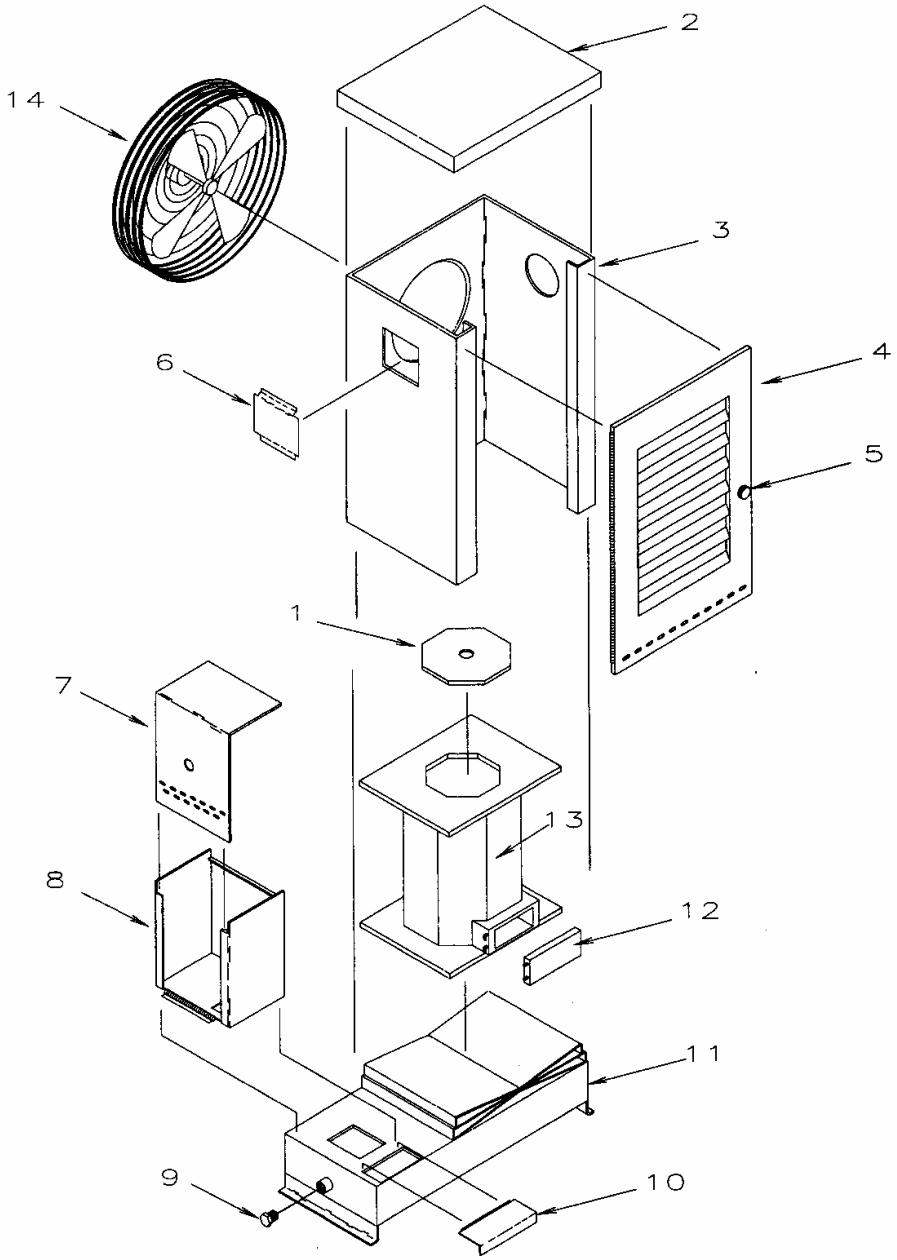
WASTE OIL SCHEMATIC
MODEL 120
115V 1PH



BK= BLACK
W= WHITE
G= GREEN
O= ORANGE
Y= YELLOW
R= RED

Parts Breakdown

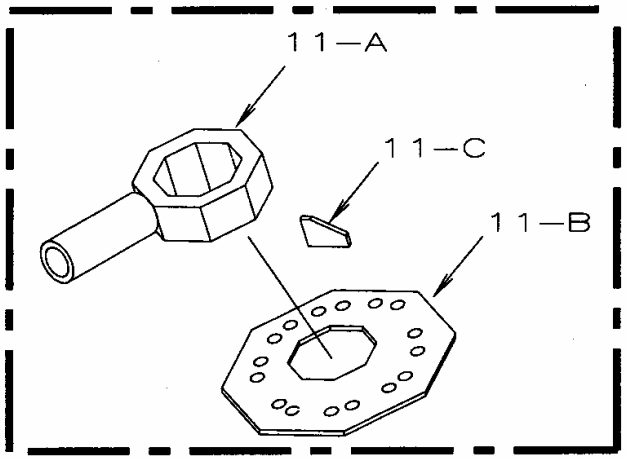
Frame Assembly
Model 120

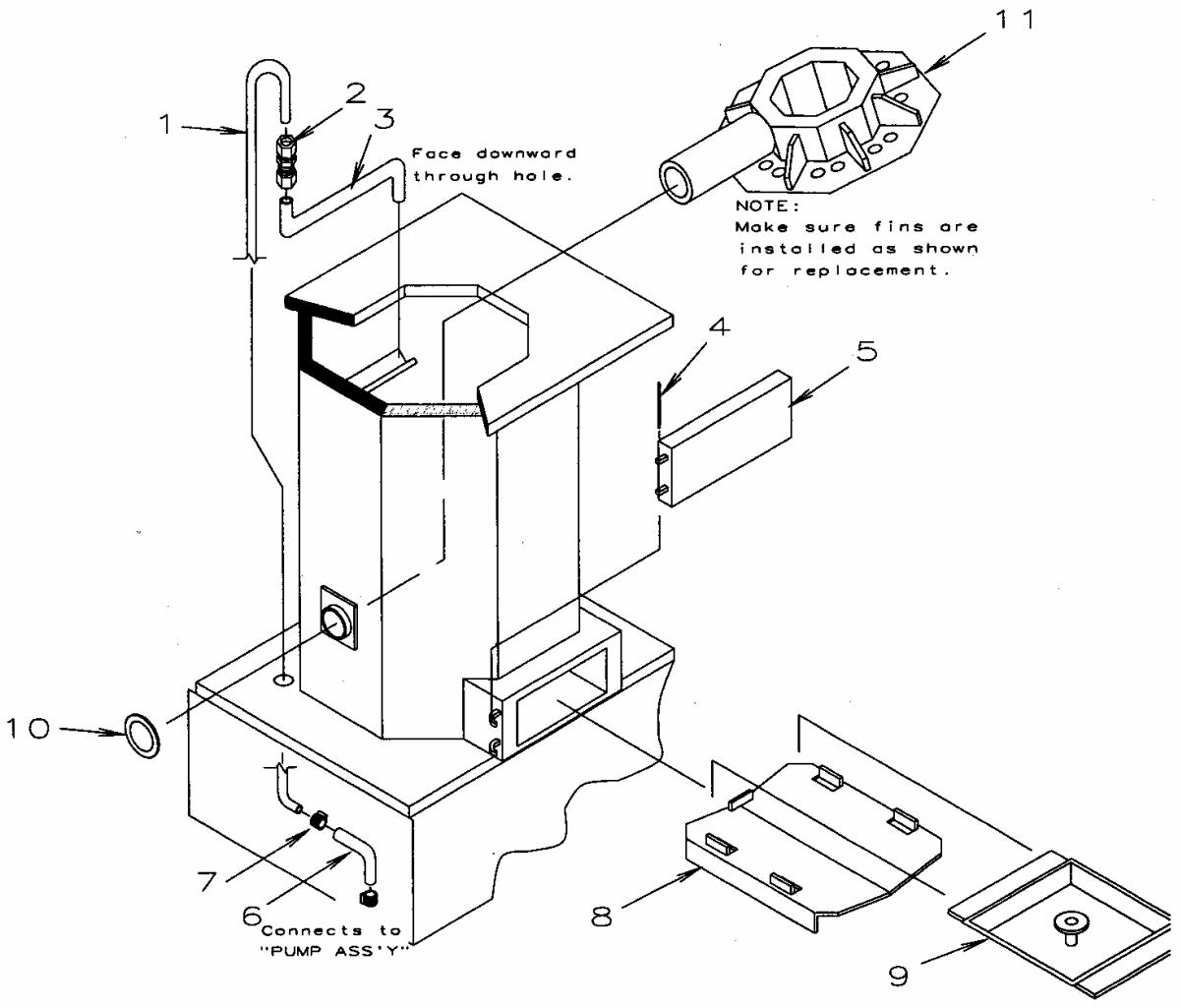


Frame Assembly
Model 120

ITEM	PART NUMBER	DESCRIPTION	QTY
1	63195	Blow off Lid	1
2	64920	Chamber Wrapper Top (Stainless Steel)	1
3	64195	Chamber Wrapper (Stainless Steel)	1
4	64905	Chamber Wrapper, Door (Stainless Steel)	1
5	67114	Chamber Wrapper Door Latch	1
6	65005	Drip tube, Inspection Plate (Stainless)	1
7	63460	Control Box Cover (Stainless Steel)	1
8	63435	Control Box	1
9	64230	Drain Plug 3/4"	1
10	63490	Fill Tank Cover	1
11	64535	Oil Tank	1
12	63865	Heat Chamber Access Door	1
13	63835	Heat Chamber	1
14	63705	Circulating Fan, 16"	1

Chamber Assembly





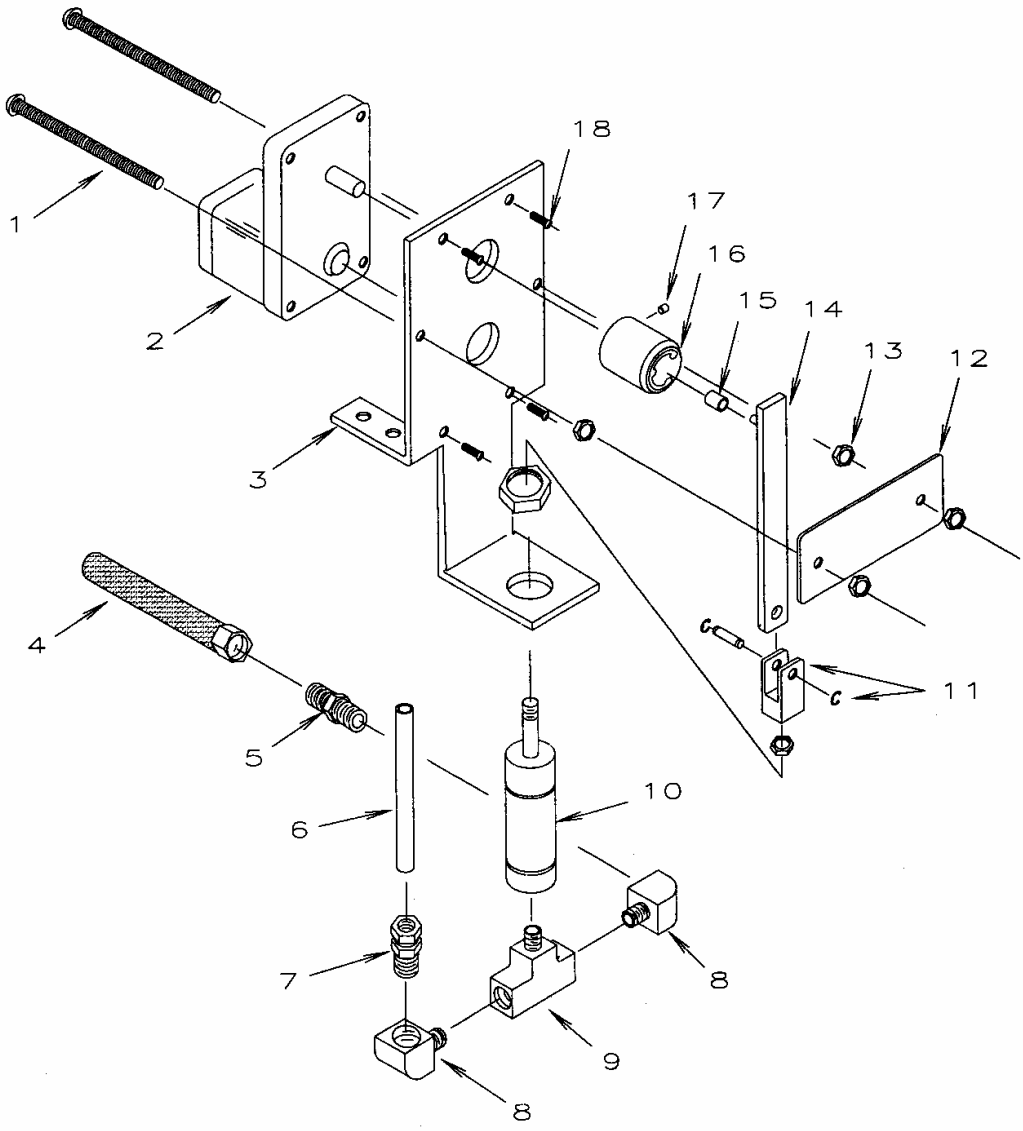
Chamber Assembly
Model 120

ITEM	PART NUMBER	DESCRIPTION	QTY
1	64685	Copper Line, 1/4" x 38"	1
2	64745	Brass Union 1/8"	1
3	64675	Stainless Steel Drip Tube 12"	1
4	67112	Chamber Door Hinge Pin	1
5	63865	Heat Chamber Access Door	1
6	63950	Rubber Hose 1/4" x 8"	1
7	63365	Hose Clamp	2
8	64795	Pan Support Tray	1
9	64785	Vaporizer Pan	1
10	63795	Fan Gasket	1
11	63135	Air Wand (steel)	1
11-1	63140	Air Wand (Stainless Steel)	1
11-A	65430	Air Wand Center	1
11-B	65330	Air Wand Plate (steel)	1
11-B1	67110	Air Wand Plate (Stainless Steel)	1
11-C	65400	Wand Plate Braces	7

Note:

3	64680	Stainless Steel Drip Tube 13"	1
		(Model 100-S Before 1994)	

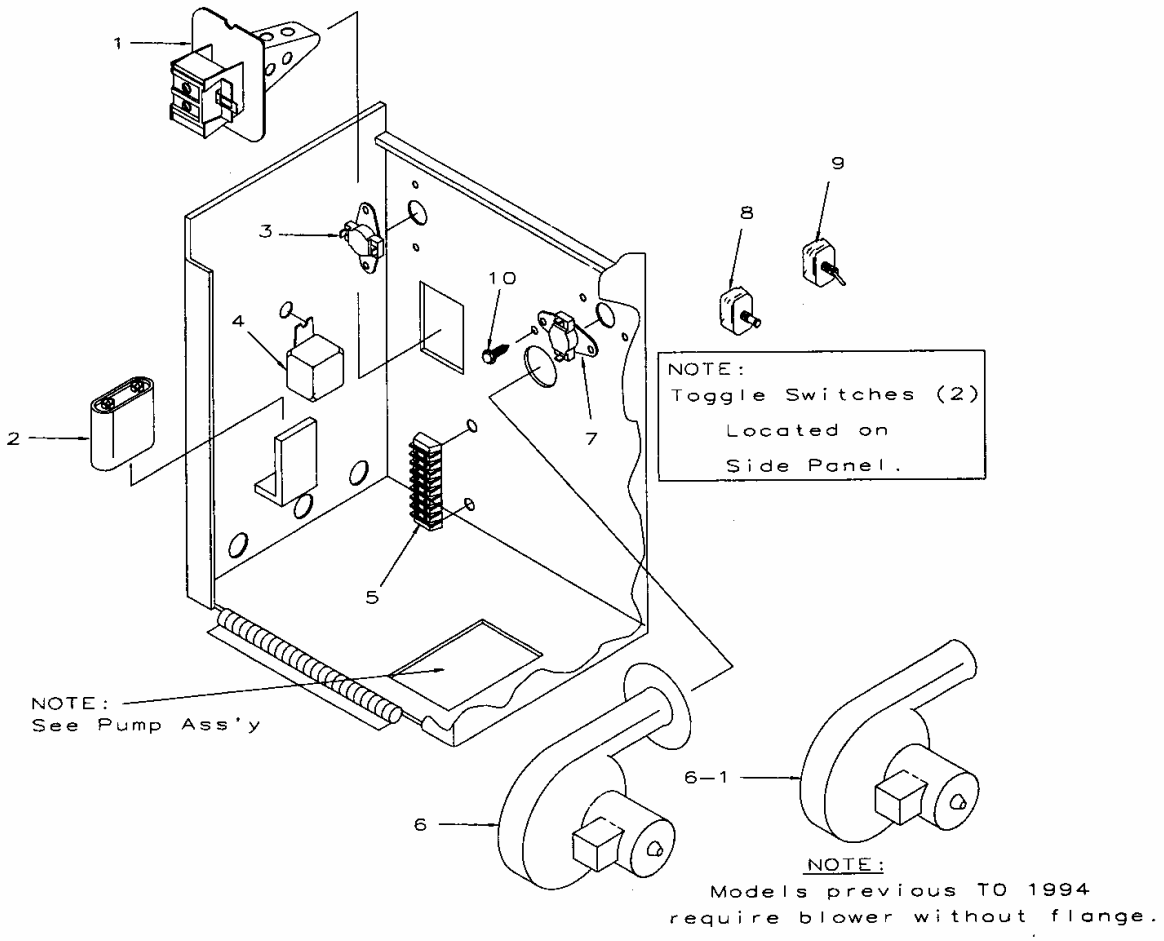
Pump Assembly
Model 120



Pump Assembly
Model 120

ITEM	PART NUMBER	DESCRIPTION	QTY
1	67125	Bolts, 10 x 32 x 2 1/4"	2
2	64305	Pump Gear Motor	1
3	63280	Pump Bracket	1
4	64335	Stainless Steel Pump Screen	1
5	64765	Inlet Check Valve	1
6	64690	Copper Line, 1/4" x 4"	1
7	64775	Outlet Check Valve	1
8	69105	Brass StreetElbow	2
9	64590	Brass Tee	1
10	64280	Stainless Steel Pump Cylinder	1
11	63375	Clevis Assembly	1
12	63285	Pump Rod Support Bracket	1
13	64125	NUTS 10 x 32	6
14	64325	Pump Rod	1
15	63315	Pump Rod Bushing	1
16	63510	Vari Stroke Crank Block	1
17	64425	Allen Set Screw 10 x 32 x 3/16"	1
18	64405	Screw, 8 x 32 x 1/2"	4

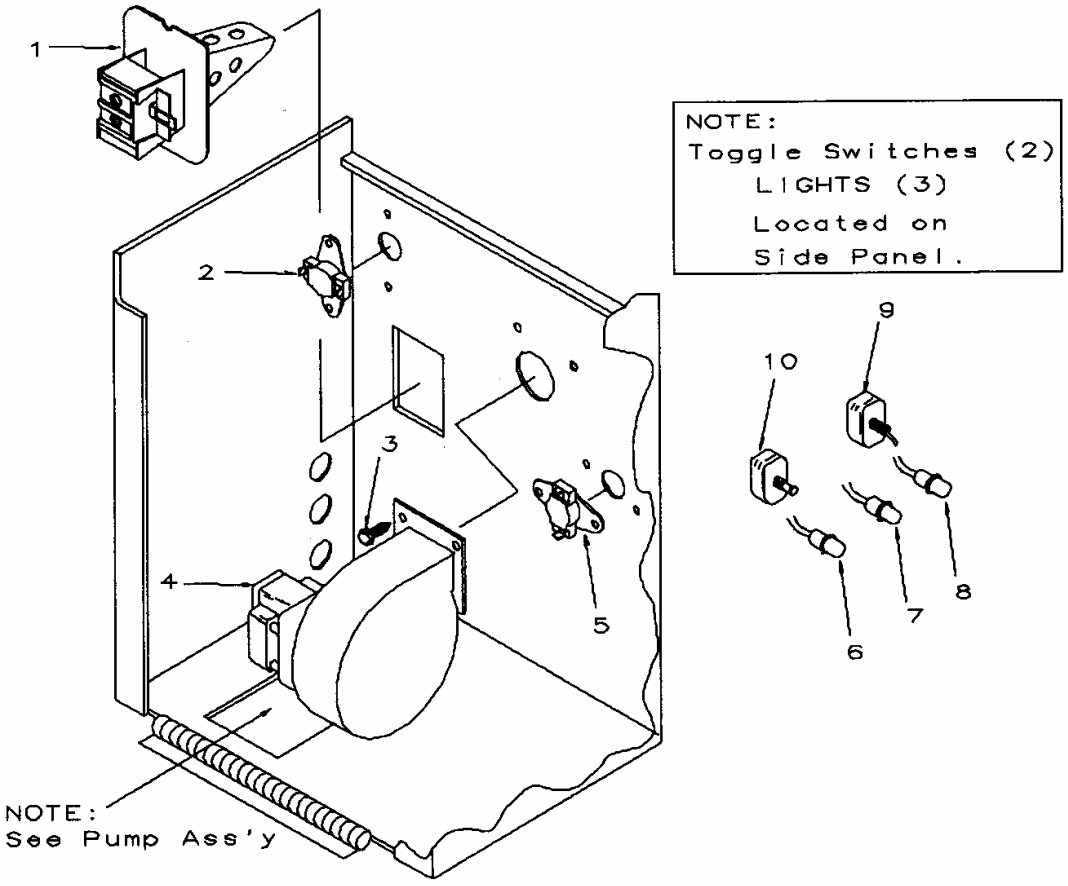
Electrical Assembly
(Model 100)

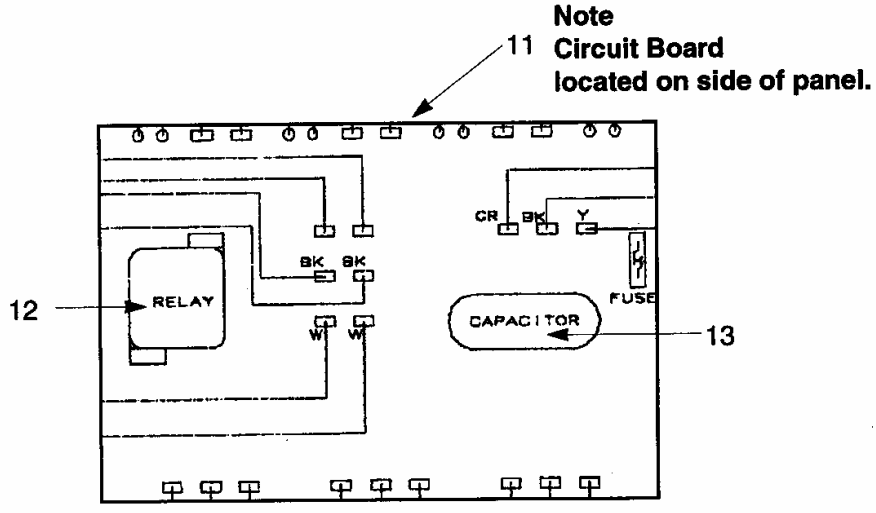


Electrical Assembly
Model 100
(Reference only)

ITEM	PART NUMBER	DESCRIPTION	QTY
1	63870	Hi limit control	1
2	63345	Capacitor	1
3	64605	Fan Thermo Disc (120˚)	1
3-1	64600	Fan Thermo Disc 110˚ (Model 100-G)	1
4	64355	Relay Box	1
5	63295	Buss Bar	1
6	63385	Combustion Blower w/Flange	1
6-1	63384	Combustion Blower, w/o flange (previous to 1994)	1
7	64610	Pump Thermo Disc, 140˚	1
7-1	64615	Pump Thermo Disc 160˚(Model 100-G)	1
8	64520	Reset Switch	1
9	64980	ON/OFF Switch, 6-pole	1
10	65175	Control Panel Locking Screw	1

Electrical Assembly
Model 120





Electrical Assembly
Model 120

ITEM	PART NUMBER	DESCRIPTION	QTY
1	63870	Hi limit control	1
2	64605	Fan Thermo Disc (120°)	1
3	65175	Screw - self tapping	1
4	63385	Combustion Blower	1
5	64610	Pump Thermo Disc (140°)	1
6	63985	Light, Reset - red	1
7	63975	Light, Power - yellow	1
8	63980	Light, On/Off - green	1
9	64980	Switch, On/Off - 6 pole	1
10	64520	Switch, Reset	1
11	64015	Circuit Board	1
12	64360	Relay	1
13	63345	Capacitor	1

WARRANTY

We warranty each new machine sold by us to be free from manufacturing defects in normal service for a period of one (1) year commencing with delivery of the machine to the original owner. Copy of the original bill of sale must accompany claim, plus the warranty registration card must be forwarded to the WARRANTY DEPARTMENT, no later than 10 working days after the original purchase date, otherwise warranty will be voided. We warranty each heating chamber for 5 years of normal service and electrical parts 1 year by the original purchaser.

Our obligation under this warranty is expressly limited at our option, to the replacement or repair at a service facility designated by us, of such part or parts as inspection shall disclose to have been defective. This warranty does not apply to defects caused by damage or unreasonable use (including failure to provide reasonable and necessary maintenance) while in the possession of the consumer. THIS WARRANTY DOES NOT APPLY TO QUICK COUPLERS, WEARABLE PUMP PARTS, AIR WAND, VAPORIZER PAN, PAN SUPPORT TRAY, PUMP ROD BUSHINGS,PUMP FAILURE DUE TO MOISTURE, OR CLOGGED STAINLESS STEEL DRIP TUBES.

WE SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES OF ANYTHING including but not limited to, consequential labor costs or transportation charges in connection with the replacement or repair of defective parts.

We make no warranty with respect to trade accessories. They are subject to the warranties of their manufacturers.

ANY IMPLIED OR STATUTORY WARRANTIES, INCLUDING ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. We make no other express warranty, nor is anyone authorized to make it in our behalf.

AaLadin Environmental System
RR1 Box 2B
Elk Point, S.D. 57025
1-605-356-3028

AaLadin Environmental Systems
Southeast Intersection I-29 Exit 15
RR1, Box 2B
Elk Point, SD 57025

Manual Part Number 26-600111

Issued March 1994
Revised December 1995
Revised November 1996

Printed in U.S.A.