



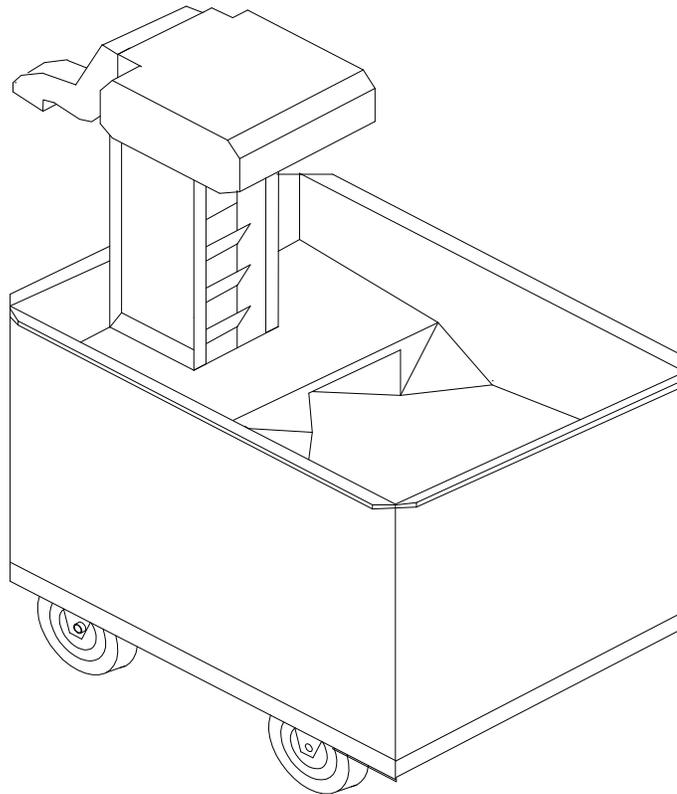
Easy Picker Golf Products, Inc.

415 Leonard Blvd. N., Lehigh Acres, FL 33971
PH: 239-368-6600 FAX: 239-369-1579
Service: 800-982-4653 SALES: 800-641-4653
www.easypicker.com salesdept@easypicker.com

INSTALLATION and OPERATION

PRE-SOAKER MODEL NOS: PS-001 & PS-001H

PRE-SOAKER



KEEP THIS DOCUMENT WITH MACHINE FOR FUTURE REFERENCE

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Introduction

Welcome to the Easy Picker family. We Know you'll find our equipment to be of the highest quality. We are sure you will enjoy many seasons of reliable use. Easy Picker's pre-soaker is designed to be low maintenance and is manufactured at our own facility to ensure utmost quality.

The Easy Picker pre-soaker is constructed of heavy-duty stainless steel. All exterior panels are treated then sealed with an epoxy coating to ensure long life. Our pre-soaker's interior ball delivery system is a gravity feed design with slotted flooring to allow dirt to fall to the bottom of the tank. This requires no motors or vibrators to maintain or replace. All ball delivery components are made of stainless steel and aluminum then sealed with an epoxy coating to ensure long life.

This manual contains instructions for operation, maintenance and troubleshooting for the pre-soaker, designed and manufactured by
Easy Picker Golf Products, Inc., 415 Leonard Blvd. N., Lehigh Acres, FL 33971

Specifications

- Power : 120 Vac, 1 Ph 60 Hz, 4.6 Amps. W/Blower 7.6
- Power W/Heater: 240 Vac 50amp.
- Power: Pump 120 Vac 10.5 Amps
- Standard Dimensions: 70L X 39W X 62 H Weight: 450 Lbs
W/Heater: 81L X 39W X 62 H Weight: 550 Lbs
- Balls Per Hour: 20,000
- Weight: 355 Lbs. W/Heater 420 Lbs
- Capacity: 4500 Ball
- Thermostatic Control
- Heat Variation 100° To 107°
- Expanded Stainless Steel Air Flow Flooring

Warranty

Easy Picker Golf Products, Inc., warrants this product against defects in materials and workmanship for a period of ONE YEAR from the date of purchase. This warranty EXCLUDES any malfunction or damage due to customization and/or abnormal use of the product or product operation not in compliance with the OPERATING INSTRUCTIONS section of this manual.

Inspection

Within one (1) business day of delivery, remove outer protective packaging from pre-soaker and inspect for any damage which may have occurred during transit . If damage has occurred, **DO NOT** remove pre-soaker from shipping pallet or discard any packaging materials removed during inspection. Notify the freight carrier immediately to arrange a claim and inspection. Also, notify Easy Picker Golf Products, Inc. of damage. Failure to perform any of the above procedures in a timely fashion may compromise any warranty coverage by either the freight carrier and/or Easy Picker Golf Products, Inc.

Installation

- Place pre-soaker on a level concrete surface or equivalent. Be sure to allow adequate clearance on all sides.
- Level pre-soaker if required.
- Position pre-soaker exit to send balls into a pre-soaker inlet hopper.
- Connect facility power to pre-soaker via input power cord.

Operating Instructions For Standard Pre-Soaker

- Pre-soaker is designed for use with Easy Picker Golf Products ball washers. If using another make of ball washer that operates at less than 20,000 balls/hr., consult Easy Picker Golf Products for assistance.
- Fill pre-soaker with water until fill line is reached, about 7" from the top of the tank.
- Fill pre-soaker with balls.
- Allow balls to soak for a minimum of 5 minutes; use a longer time for mud caked balls.
- Turn on pre-soaker by moving toggle switch to the ON position, located on the GFI assembly.

WARNING:

- **NEVER TURN ON HEATER WHEN THERE IS NO WATER IN THE TANK.**
- **NEVER RUN ELEVATOR WHILE THE BLOWER IS ON.**

**Operating Instructions
For The Pre-Soaker W/Heater And Blower**

1. Fill tank with water to fill line located inside tank, about 7" down from the top of the tank.
2. Turn ON heater with switch located on rear panel outside tank.
3. Turn ON blower with switch located on elevator.
4. After soaking balls for the desired time, turn OFF blower.
Leave heater ON.
5. Turn ON elevator switch located on elevator.
ALWAYS make sure blower is OFF while unloading.

WARNING:

- **NEVER TURN ON HEATER WHEN THERE IS NO WATER IN THE TANK.**
- **NEVER RUN ELEVATOR WHILE THE BLOWER IS ON.**

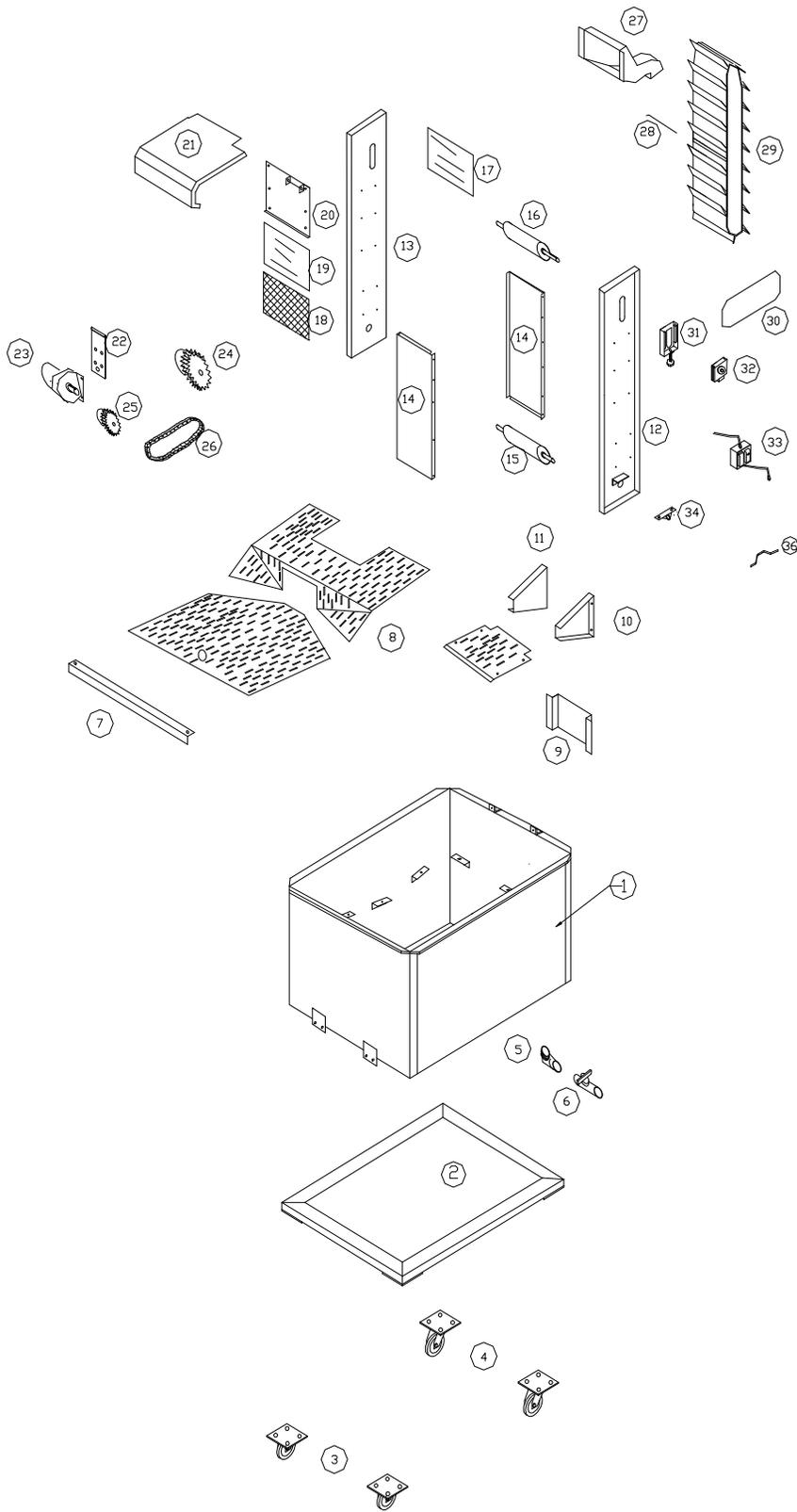


FIGURE 1: PRE-SOAKER ASSEMBLY

PRE-SOAKER ASSEMBLY PARTS LIST

ITEM	QTY	PART NO.	DESCRIPTION
1	1	PS1 PS17	Tank, assembly, standard Tank w/heater
2	1	PS2	Base assembly (table)
3	2	HA-PS-07	Caster, rigid
4	2	HA-PS-06	Caster, swivel
5	1	HA-108-2	Elbow, pvc 2"
6	1	HA-375	Valve, gate, brass, 2"
7	1	Call for info	Brace, floor assembly
8	1	PS3	Floor, assembly, 3 piece kit
9	1	PS13	Kick plate, elevator
10	1	PS14	Bracket, feed, right
11	1	PS15	Bracket, feed, left
12	1	PS5	Panel, elevator, left side
13	1	PS6	Panel, elevator, right side
14	2	PS7	Panel, inner elevator
15	1	PS12	Pulley, bottom assy
16	1	PS11	Pulley, top assy
17	1	Call for info	Cover, lexan (specify size)
18	1	Call for info	Cover, expanded stainless steel (specify size)
20	1	PS9	Plate, motor mount
21	1	PS8	Motor, cover
22	1	PS10	Bracket, motor
23	1	HA-93	Motor, gear, 1/4 hp
24	1	HA-127A	Sprocket, 26 tooth, 3/4 bore
25	1	HA-127-11	Sprocket, 11 tooth, 3/4 bore
26	1	HA-98	Chain, #40 (specify length)
27	1	PS4	Chute, exit
28	1	EL11	Pin, belt connector
29	1	HA-81	Belt, elevator, 94 1/2" (item sold by the foot)
30	1	Call for info	Cover, chain, side
31	2	Call for info	Frame, take-up
32	2	HA-96	Bearing, take-up 3/4
33	1	BW-037N	Switch, GFI kit
34	2	HA-PS-08	Bearing, uhmw 3/4
35	2	HA-PS-1145	Collar, stainless steel 3/4
36	2	Call for info	Bracket, filler

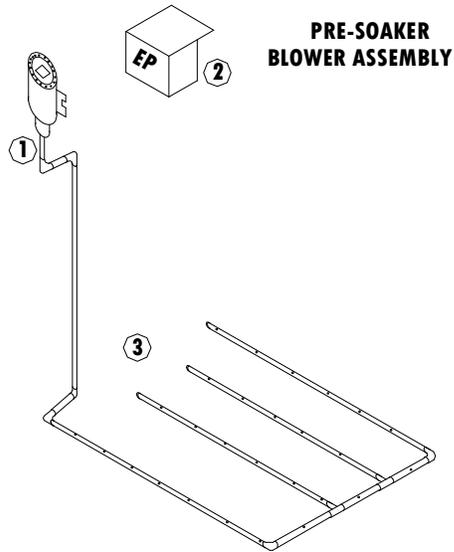
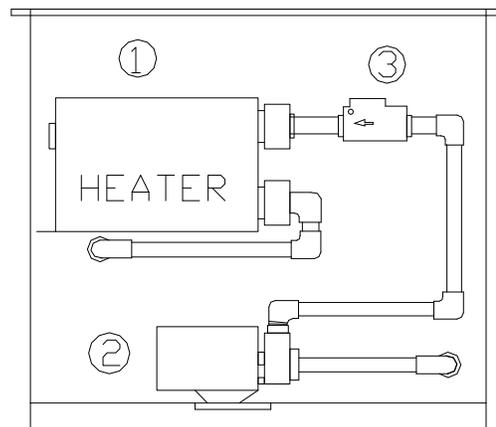


FIGURE 2: BLOWER / AGITATOR ASSEMBLY

ITEM	QTY	PART #	DESCRIPTION
1	1	HA-PSH-20	Blower 120 v
2	1	Call	Cover, blower
3	1	Call	Air jets, assembly pvc 1



*HEATER PLUMBING
ASSLY*

FIGURE 3: HEATER ASSEMBLY

ITEM	QTY	PART#	DESCRIPTION
1	1	HA-PSH-50	Heater, 11k 220 v 50 Amps
2	1	HA-PSH-70	Pump, 120 v 1hp
3	1	HA-PSH-60	Flow switch, pvc

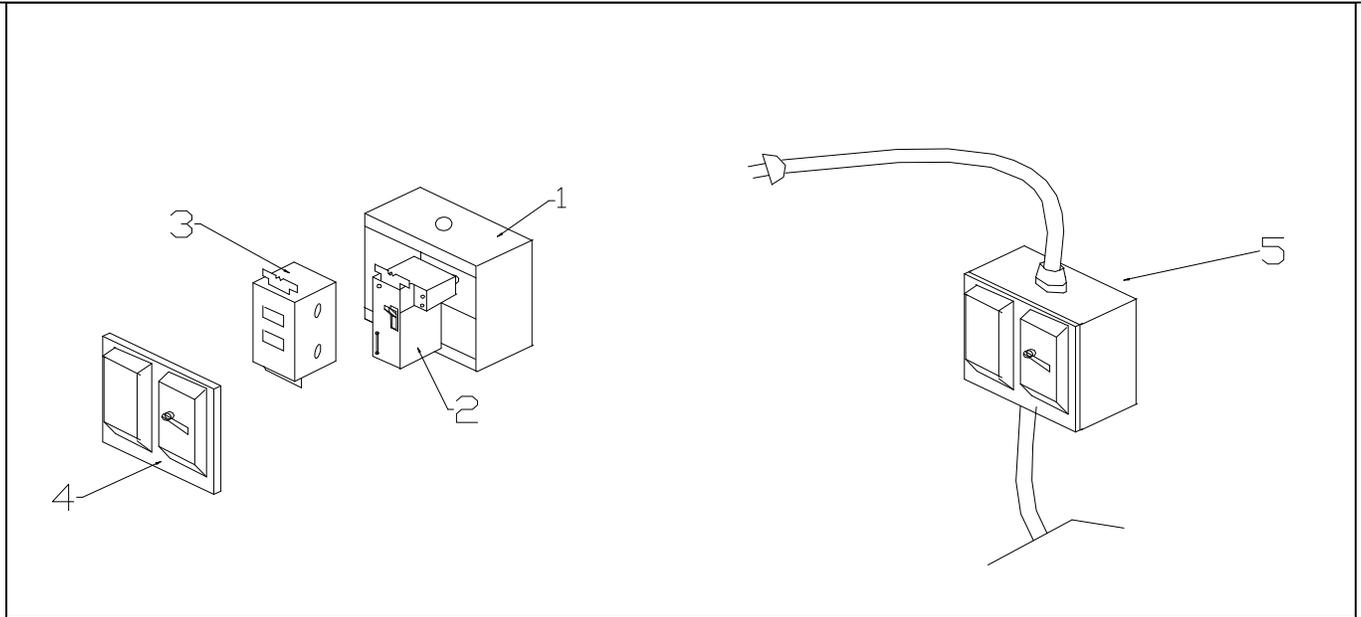


FIGURE 4: SWITCH ASSEMBLY(GFI KIT)

Item	Qty	Part #	Description
1	1	BW-014	Box, Junction Electrical 4x4
2	1	BW-029	Switch, Starter 2 Pole
3	1	HA-49	Switch, GFI
4	1	BW-023	Cover, GFI
5	1	BW-037N	GFI Kit Assembly.

Conveyor Belt Replacement Procedure

- Remove front Lexan guard from conveyor.
- Remove inlet hopper and lower filler panel from conveyor to expose lower belt roller.
- Remove top motor cover side panel and motor cover to expose upper belt roller.
- Rotate conveyor belt so its seam pin is easily accessible.
- Loosen belt tension by backing off upper belt roller take-up bearings adjustment bolt.
- Remove belt seam pin and remove belt from conveyor.
- Install new belt from topside of conveyor and pull one end of belt from rear of lower roller so both ends of belt meet in front.
- Insert seam pin through belt ends.
- Adjust belt tension using by tightening upper belt roller take-up bearings adjustment bolt evenly on both sides of roller.
- Turn on conveyor, belt should travel straight. Inspect belt for travel to one side or the other. If belt drifts to one side, then adjust opposite side roller take-up bearing until straight travel occurs.
- Replace conveyor cabinet components in reverse order as removal.

Troubleshooting

Any evidence of malfunction, however minor in character, should be investigated and corrected before it develops into a major fault which may disable the Range ball conveyor for lengthy and costly repairs. Troubles most likely to be encountered, their probable cause and remedy are listed in the following Table.

TABLE 2: TROUBLESHOOTING GUIDE

Trouble	Probable Cause	Remedy
Range ball conveyor will not run when toggle switch is in the "on" position.	Power cord	Verify facility power is turned on. Verify power cord is plugged into facility power.
	GFI tripped.	Depress GFI reset button (red). If GFI will not reset, inspect wiring for possible shorting or electrical motor failure. Replace wiring or component. Using multimeter, or equivalent, check for power at GFI "load" terminals. If power is not present, then GFI is defective and must be replaced.
	Toggle switch	If power is present, then check for power on each terminal on toggle switch, with toggle switch in the "on" position. If power is

Trouble	Probable Cause	Remedy
No balls exiting from conveyor	Inlet hopper blocked	<p>not present on both terminals, then toggle switch is defective and must be replaced.</p> <p>If toggle switch is not defective, then check motor wiring and/or perform continuity check on motor. Replace as required.</p> <p>Inspect hopper for debris and/or broken golf ball(s). Remove.</p>
Balls exiting at a slow rate	Conveyor belt tension	Inspect belt for slippage. Adjust lower roller take-up bearings to tighten belt tension.
Belt drifts to side.	Lower roller tension uneven.	Inspect lower roller take-up bearing for equal tension on both sides of the roller. Adjust opposite bearing from belt drift direction.

WIRING SCHEMATIC FOR PRE/SOAKER W/HEATER(DOMESTIC)

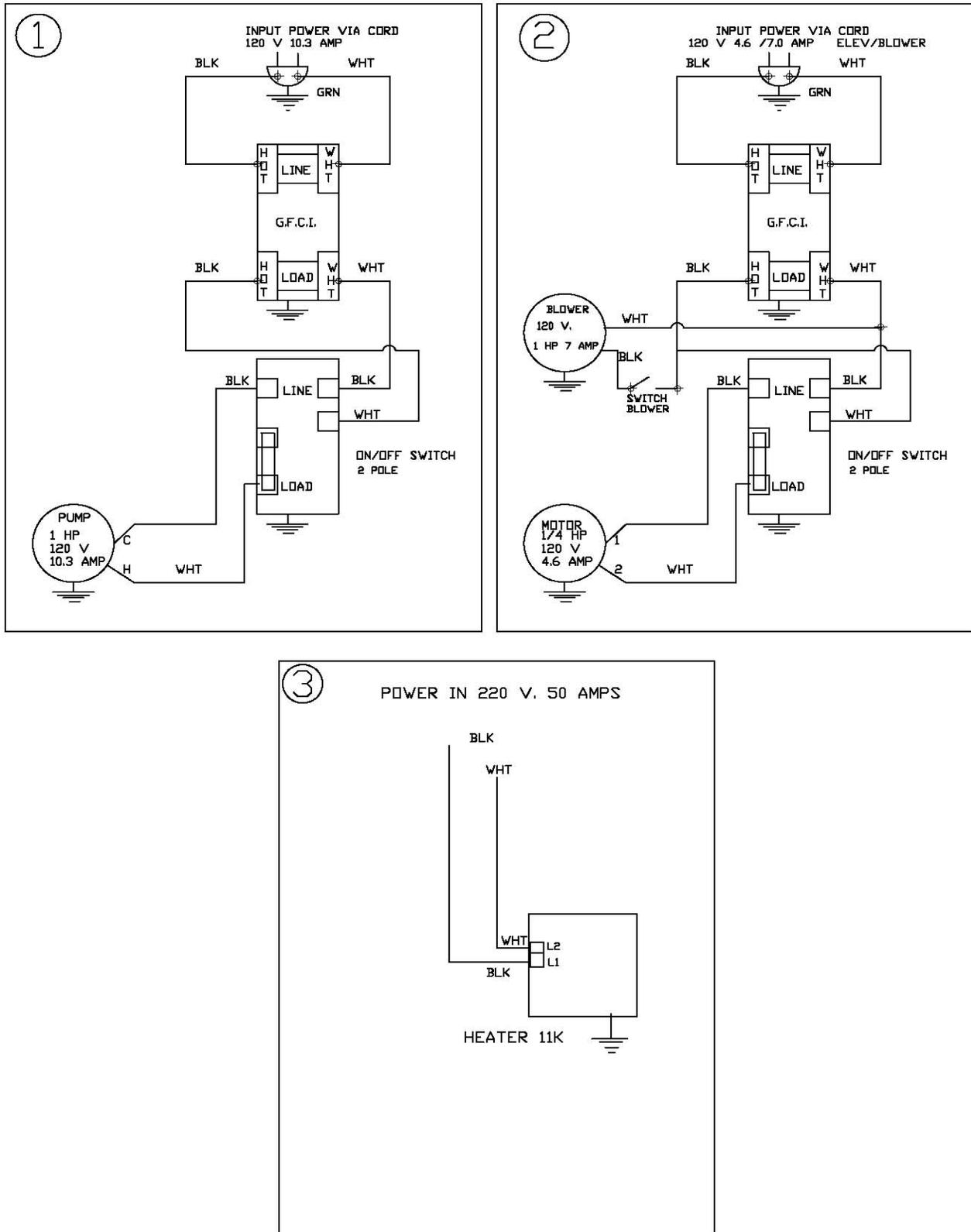


FIGURE 5: WIRING SCHEMATIC