



## Easy Picker Golf Products, Inc.

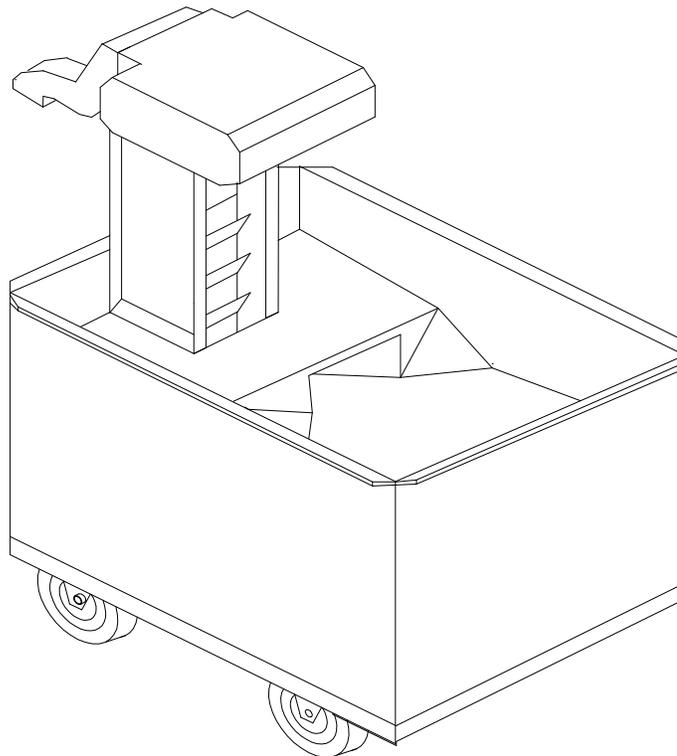
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### INSTALLATION and OPERATION

PRE-SOAKER MODEL NO: PS-001AN

## 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 : 220 Vac, 1 Ph 50/60 Hz, 3.6 Amps
- Standard Dimensions: 1.78 m L X .99 m W X 1.57 m H
- Balls Per Hour: 20,000
- Weight: 204 kg
- Capacity: 4500 Ball
- Slotted Stainless Steel 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 ball washer inlet hopper.
- Connect facility power to pre-soaker via input power cord.

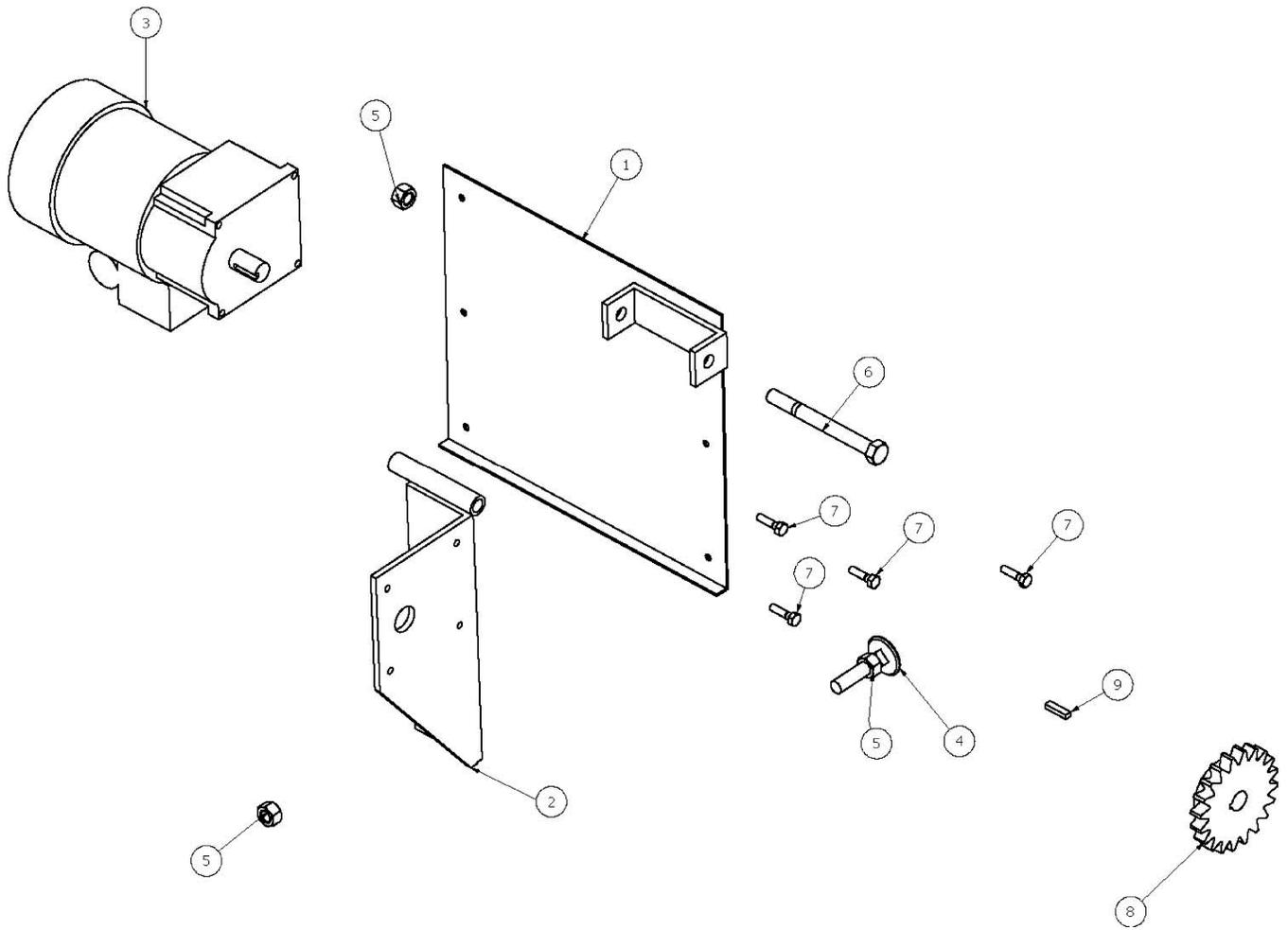
## Operating Instructions

- 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.



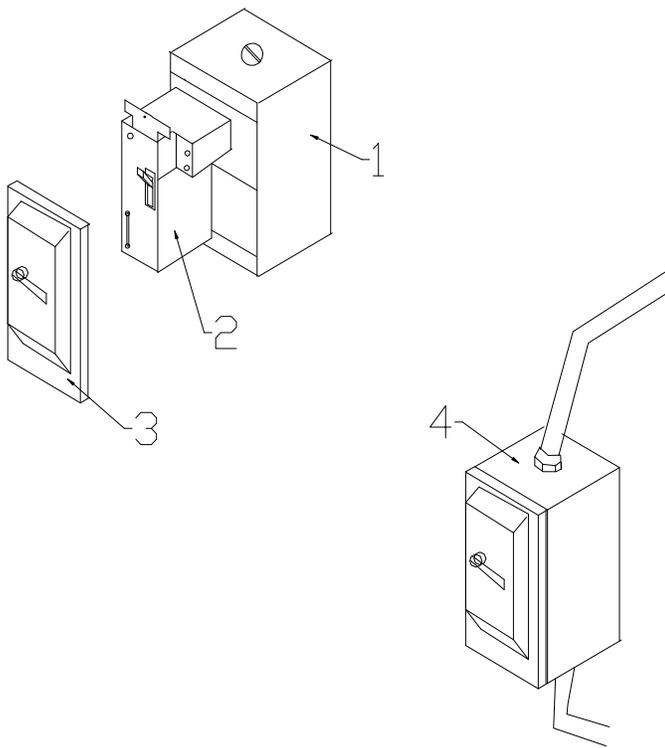
## PRE-SOAKER ASSEMBLY PARTS LIST

ITEM	QTY	PART NO.	DESCRIPTION
1	1	PS1	Tank, assembly, standard
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-135/HA-136	Motor, 1/3 hp 50Hz / Gear reducer
24	1	HA-137	Sprocket, 20 tooth, 1" 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, 94½" (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-037IN	Starter, motor kit, international – See Figure 3
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: MOTOR ASSEMBLY 2007 TO PRESENT**

ITEM	QTY	PART#	DESCRIPTION
1	1	EL100	Plate, motor mounting
2	1	EL101	Plate, motor
3	1	HA-135	Motor,1/5 hp 220 volt 50 hz
4	1	CALL	Bolt 1/2"-13x2 1/2"
5	3	CALL	Nut 1/2"-13
6	1	CALL	Bolt 1/2"-13x5 1/2"
7	4	CALL	Bolt 1/4"-28x3/4"
8	1	HA-110	Sprocket,20 tooth



**FIGURE 3: STARTER SWITCH ASSEMBLY**

ITEM	QTY	PART#	DESCRIPTION
1	1	HA-67	Box, weather proof 4" x 2"
2	1	BW-029	Switch, starter 2 pole
3	1	CALL FOR INFO	Cover, switch w/red toggle
4	1	BW-037IN	Starter switch assembly.

# Conveyor Motor Replacement Procedure

## **-WARNING- REMOVE POWER BEFORE SERVICING**

### **Tools needed**

**1/4" Nut driver**

**5/16" Nut driver**

**3/4" Open wrench**

**3/4" Socket**

**Needle nose pliers**

**15/16" open wrench or crescent wrench**

**1/8" Allen wrench.**

- Remove chain and head cover from conveyor item #21 from conveyor assembly. Tool needed 5/16 driver
- Disconnect wiring from motor
- Note tension on chain
- Loosen 3/4" adjusting nut and loosen chain
- Remove master link from chain and remove chain
- Remove 3/4" main bolt and remove motor w/plate
- Remove sprocket from old motor
- Remove old motor from plate
- Install sprocket on new motor
- Install new motor on plate
- Install new motor w/plate onto conveyor
- Re-install chain and adjust tension to original position
- Re-install electrical
- Re-install covers.

## 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.

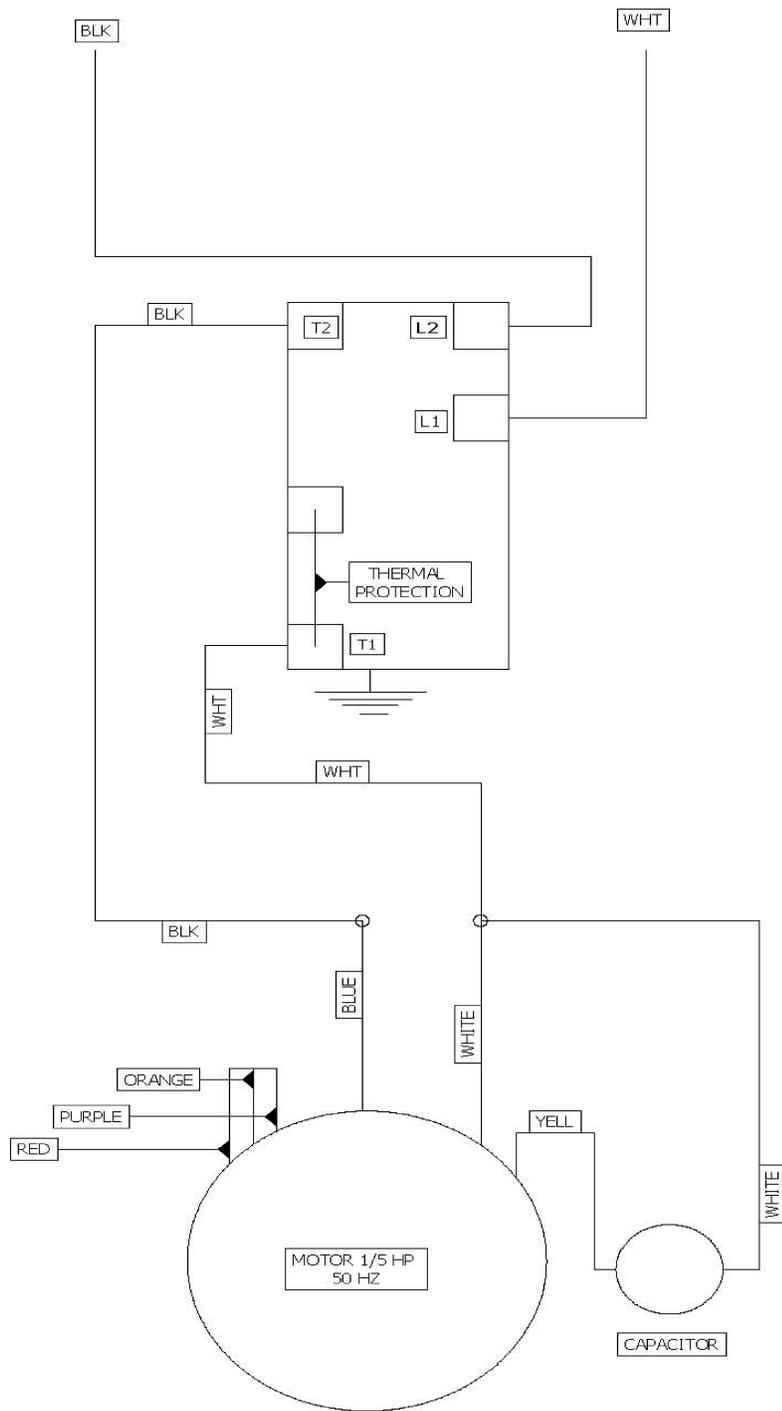
## Troubleshooting

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.

### **WARNING**

**ENSURE ELECTRICAL POWER HAS BEEN DISCONNECTED BEFORE REFORMING ANY REPAIR PROCEDURES OR CONTINUITY CHECKS TO AVOID PERSONNEL INJURY. USE CARE WHEN PERFORMING VOLTAGE MEASUREMENTS TO AVOID PHYSICAL CONTACT WITH PARTS OR SURROUNDING CIRCUITS.**





**FIGURE 4:  
WIRING SCHEMATIC FOR CONVEYOR & PRESOAKER 220 Volt  
INTERNATIONAL 2007 TO PRESENT**