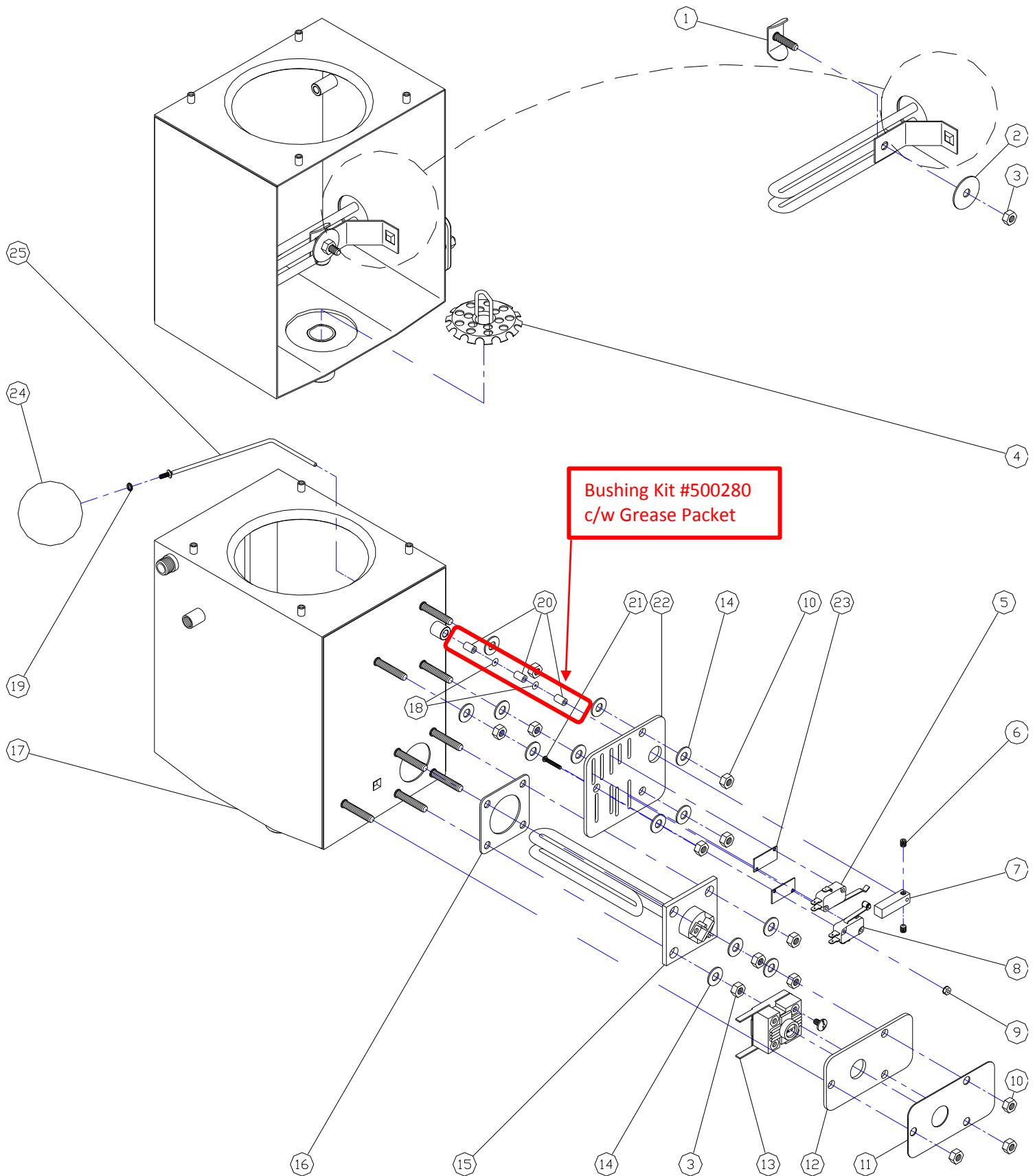




## FLOAT ROD BUSHING KIT REPLACEMENT

PART # 500280

- Remove front cover
- Loosen set screws on actuator bar
- Remove actuator bar
- Remove float rod with old bushings and o-rings (May have to push out from the inside towards the front)
- Clean float rod and insure that the channel is clean as well
- Use the grease provide with bushing kit and grease bushing, o-rings and rod well
- Install onto rod: Bushing/O-ring/Bushing/O-ring/Bushing
- Use float rod to install from front
- Carefully pull out rod while holding the bushings in the channel and re-install rod from the inside of the tank
- While installing, hold the front bushing in place with your fingers
- Re-install actuator bar with float ball resting inside the tank, on the element, slightly push down on the actuator bar until the arm of the microswitch is resting on the body of the microswitch (switch button will be depressed)
- While holding down actuator bar in the positions stated above, tighten both set screws securely. Use a flat head screwdriver (or equivalent) as a spacer to keep the actuator bar away from the channel, should be approximately .037 (1/25) of an inch
- Check operation by lifting float by hand & gently lowering back down.
- Connect power and water. Let unit run through a cycle while watching the water level in the tank. Fan should turn on with approximately 1 – 1.5" of water over the element and water flow should stop at approximately ½ to 2/3 full
- Adjust level if required (disconnect power while adjusting)
- Re-Install front cover



# 094110, Exploded Parts List

## Boiler Assembly, 8GPD Automatic

<b>Item #</b>	<b>Part #Description</b>	<b>Qty</b>
1	500182 Clip, Heater, Studded	1
2	018009 Washer, 5/16" X 1-1/4" X 18ga SS	1
3	025000 Nut, Hex, 1/4" SS	5
4	500208 Drain Strainer WA	1
5	060059 Micro Switch, Long Arm, Formed	1
6	016035 Set Screw, SS, #10-32 X .25", Cup Point	2
7	530333 Bar Actuator, Boiler Float	1
8	060058 Microswitch, Short Roller Arm	1
9	026003 Nut, Kep, #4-40	4
10	025002 Nut, Hex, 1/4" Plated	9
11	500153 Cover, Reset, SS	1
12	400010 Reset Plate, Lexan	1
13	060000 Switch, Thermo-Reset	1
14	018004 Washer, 5/16" X 11/16" X 20ga SS	13
15	060001 Heating Element, 120V, 1100W	1
	060002 Heating Element, 240V, 1100W	1
16	500100 Gasket, Heater	1
17	500269 Boiler WA, 8GPD Auto	1
18	080128 O-Ring, 1/16" X 1/8" X 1/4"	2
19	020002 Washer, Lock, SS, M3.5, External Tooth	1
20	080127 Bushing, Teflon, 1/4" X 1/8"	3
21	012003 Screw, Machine, Plated, #4-40 X 3/4"	4
22	500266 Plate, Microswitch	1
23	500289 Shim, Micro Switch	2
24	080162 Float Ball, SS, 2-1/4" Round, #6-32	1
25	500398 Rod WA, Boiler Float, Auto	1