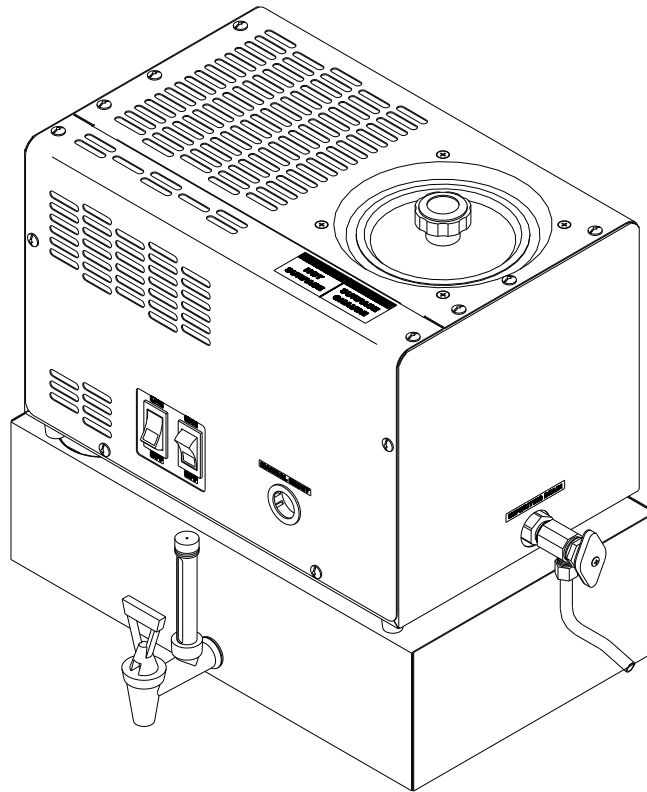




REPLACEMENT PARTS MANUAL

FOR MODEL: PWS 5-3(120VAC) & PWS 5-3(240VAC)

PART #	500028	500029
SERIES	0018	0018



PRECISION WATER SYSTEMS WATER DISTILLER

MANUFACTURED BY:

PRECISION DESIGN & MANUFACTURING INC.

9024-100TH STREET

WESTLOCK, ALBERTA, CANADA, T7P 2L4

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TABLE of CONTENTS

	<u>Page</u>
1. 094181 Holding Tank Assembly, 5-3 Automatic	4 & 5
2. 094182 Boiler Assembly, 5GPD Automatic	6 & 7
3. 094183 Distiller Body Assembly. 5GPD Automatic	8 & 9
4. 094184 5GPD Solenoid Valve Assembly	10 & 11
5. 094185 Distiller Head Assembly, 5GPD Automatic	12 & 13
6. 094186 Boiling Tank & Holding Tank Lids Assemblies, 5-3	14 & 15
7. 094109 Electrical Terminals	16 & 17
8. 500345 Wiring Schematic	18 & 19

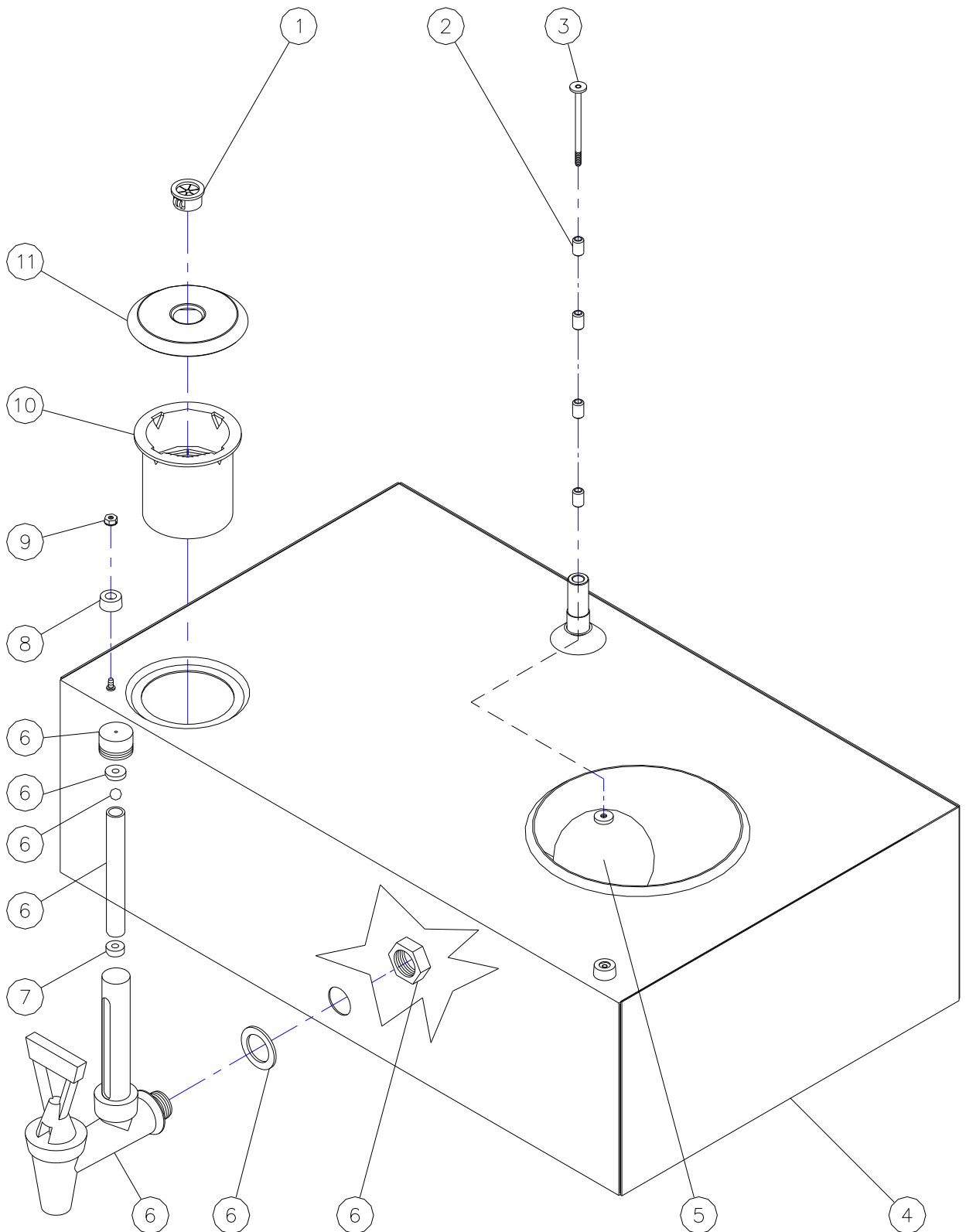
094182, Exploded Parts List

Boiler Assembly, 5GPD Automatic

Item #	Part #	Description	Qty
1	054005	Bushing, Wire Plastic, 5/8" Hole	1
2	080127	Bushing, Teflon, 1/4" X 1/8"	4
3	500353	Float Rod, WA, Holding Tank, 5-3	1
4	500481	Holding Tank, WA, 5-3	1
5	080162	Float Ball, SS, 2.25" RD #6-32	1
6	500515	Distiller Water Drain Valve, W/Sight Gauge, 4", SS	1
7	080447	Washer, Upper Shield, Valve 4", 6", 13" & 23", Holding Tank	1
8	054016	Foot, 1/2" X 1/4", Rubber, Black	2
9	026003	Nut, kep, Plated, #4-40	2
10	410054	Filter Cup, Charcoal, Dolphin	1
11	500476	Washer, HT, 2.75" X 0.625", EAU	1

094181, Exploded Parts List

Holding Tank Assembly, PWS, 5-3 Automatic



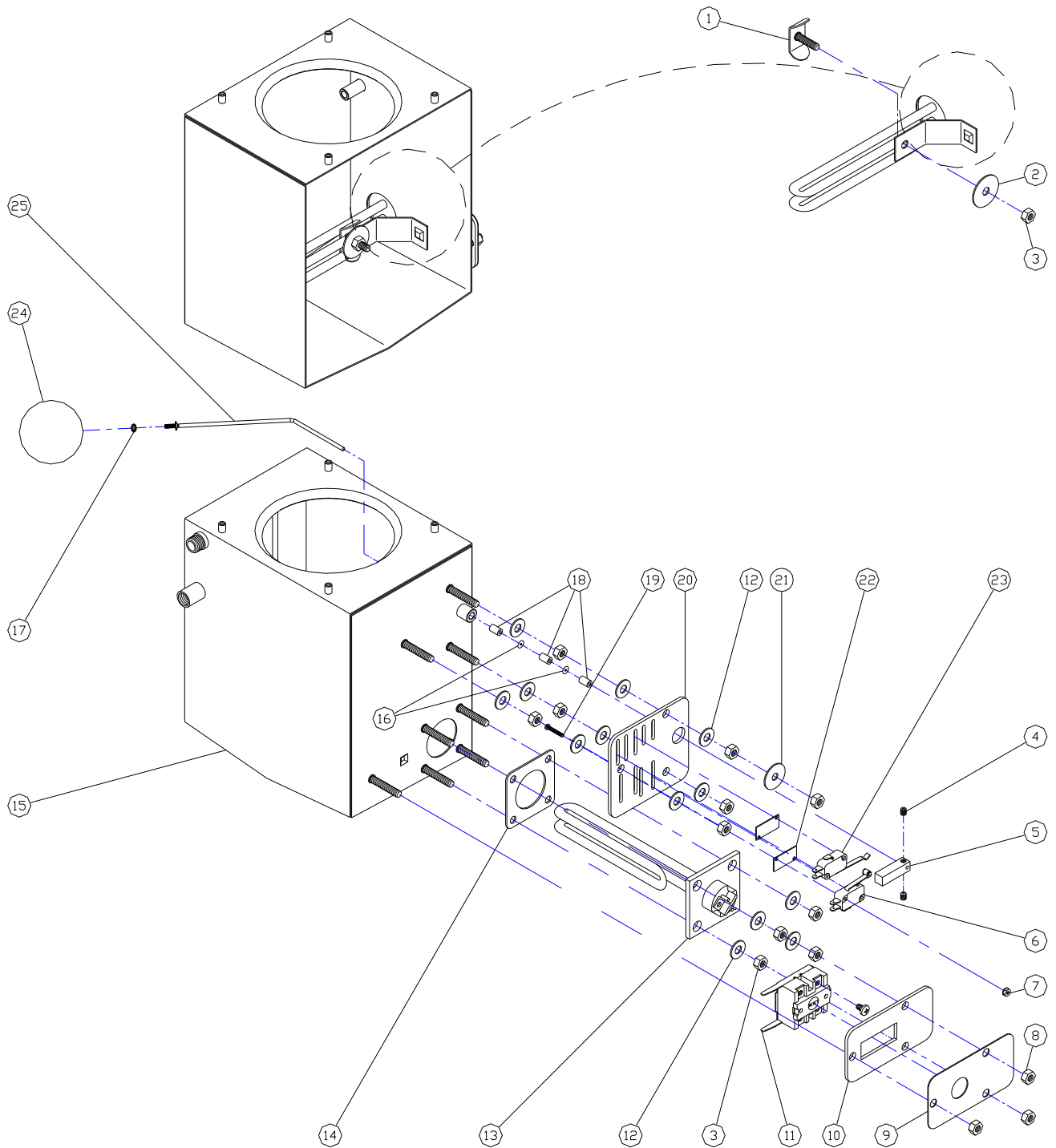
094182, Exploded Parts List

Boiler Assembly, 5GPD Automatic

Item #	Part #	Description	Qty
1	500182	Clip, Heater, Studded	1
2	018009	Washer, Flat, 5/16"ID X 1-1/4"OD, 18ga, SS	1
3	025000	Nut, Hex, SS, 1/4"-20UNC	5
4	016035	Set Screw, SS, #10-32UNC X 0.25", Cup Point	2
5	530333	Bar, Activator, Boiler Float, #10-32UNC	1
6	060058	Micro Switch, Short Arm Roller	1
7	026003	Nut, Kep, Plated, #4-40UNC	4
8	025002	Nut, Hex, Plated, 1/4"-20UNC	10
9	500153	Cover, Reset, SS	1
10	500408	Plate Reset, 66-TM, Lexan	1
11	060104	Switch, Thermal, Manual Reset, DPST, RT	1
12	018004	Washer, Flat, 5/16"ID X 11/16"OD, 20ga. SS	13
13	060094	Heating Element, 125V, 800W	1
	060034	Heating Element, 220V, 800W	1
14	500100	Gasket, Heater	1
15	500340	Boiler WA, 5-3	1
16	080128	O-Ring, Viton, 1/16" X 1/8" X 1/4"	2
17	020002	Washer, Lock, SS, M3.5, external over locking tooth	1
18	080127	Bushing, Teflon, 1/4" X 1/8"	3
19	012003	Screw, Machine, Plated, #4-40UNC X 3/4", Round/Sk	4
20	500266	Plate, Micro Switch, Lexan	1
21	018028	Washer, Flat, SS, 0.281"ID X 1"OD X 18ga.	1
22	500289	Shim, Micro Switch	2
23	060059	Micro Switch, Long Arm, Formed	1
24	080162	Float Ball, SS, 2.25" Round, #6-32UNC	1
25	500487	Rod WA, Boiler Float, Auto	1

094182, Exploded Parts List

Boiler Assembly, 5GPD Automatic



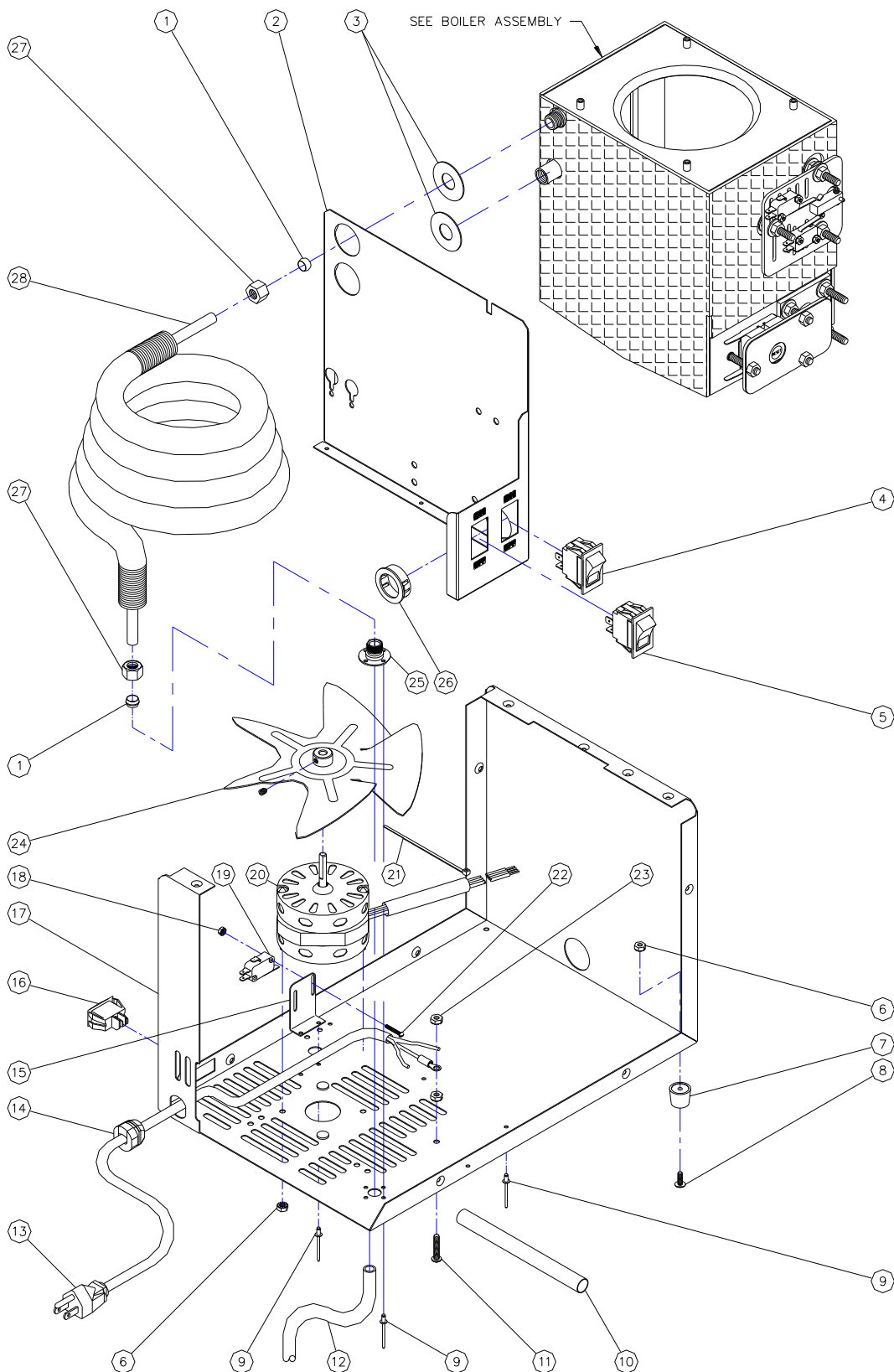
094183, Exploded Parts List

Distiller Body Assembly, PWS, 5GPD Automatic

Item #	Part #	Description	Qty
1	030012	Ferrule, Brass, 3/8" Compression	2
2	500335	Divider, 5-3	1
3	018023	Washer, Flat, SS, 5/8"ID X 1-1/2"OD, 20ga.	2
4	060014	Switch, Rocker, Red, 120/240, SPST, PB	1
5	060013	Switch, Rocker, Clear, 120/240, SPST, PB	1
6	026001	Nut, Kep, Plated, #8-32UNC	6
7	500194	Leg, SS, 3/4"OD & 5/8" High	4
8	012029	Scw, Mach, 316SS, #8-32unc X 1/2", Truss HD/Phil DR	4
9	016004	Rivet, Alum, 1/8" x 5/16"	10
10	080108	Sleeve Fiberglass, 1/2"	6"
11	012000	Scw, Machine, Plated, #10-24UNC X 1", Round/Socket	1
12	052002	Tubing, PVC, 5/16" X 7/16"	2'
13	500232	Power Cord Assembly, 16-3 NA,8GPD	1
14	054002	Strain Relief, 7K-2	1
15	500344	Plate, Micro Switch, SS	1
16	060057	Switch, Visi, SPST, Black, RA911	1
17	500471	Body, EAU-A-5-5 & PWS 5-3	1
18	026003	Nut, Kep, Plated, #4-40UNC	2
19	400006	Micro Switch, Short Arm, Low Force	1
20	500350	Motor Assembly, 115V, 5-3, Auto	1
	500520	Motor Assembly, 220V, 5-3, Auto	1
21	054011	Wire Tie, Plastic, 4"	Ref.
22	012003	Screw, Machine, Plated, #4-40UNC X 3/4", Round/Sk	2
23	026000	Nut, Kep, Plated, #10-24UNC	2
24	080045	Fan Blade, 7" Aluminum	1
25	530344	MOUNT, WA, CC COMPRESSION	1
26	054004	Bushing, Snap, Plastic, 1-1/4" Hole	1
27	030013	Nut, Plated, 3/8" Compression	2
28	500239	Cooling Coil Assembly, 8 GPD, Auto	1

094183, Exploded Parts List

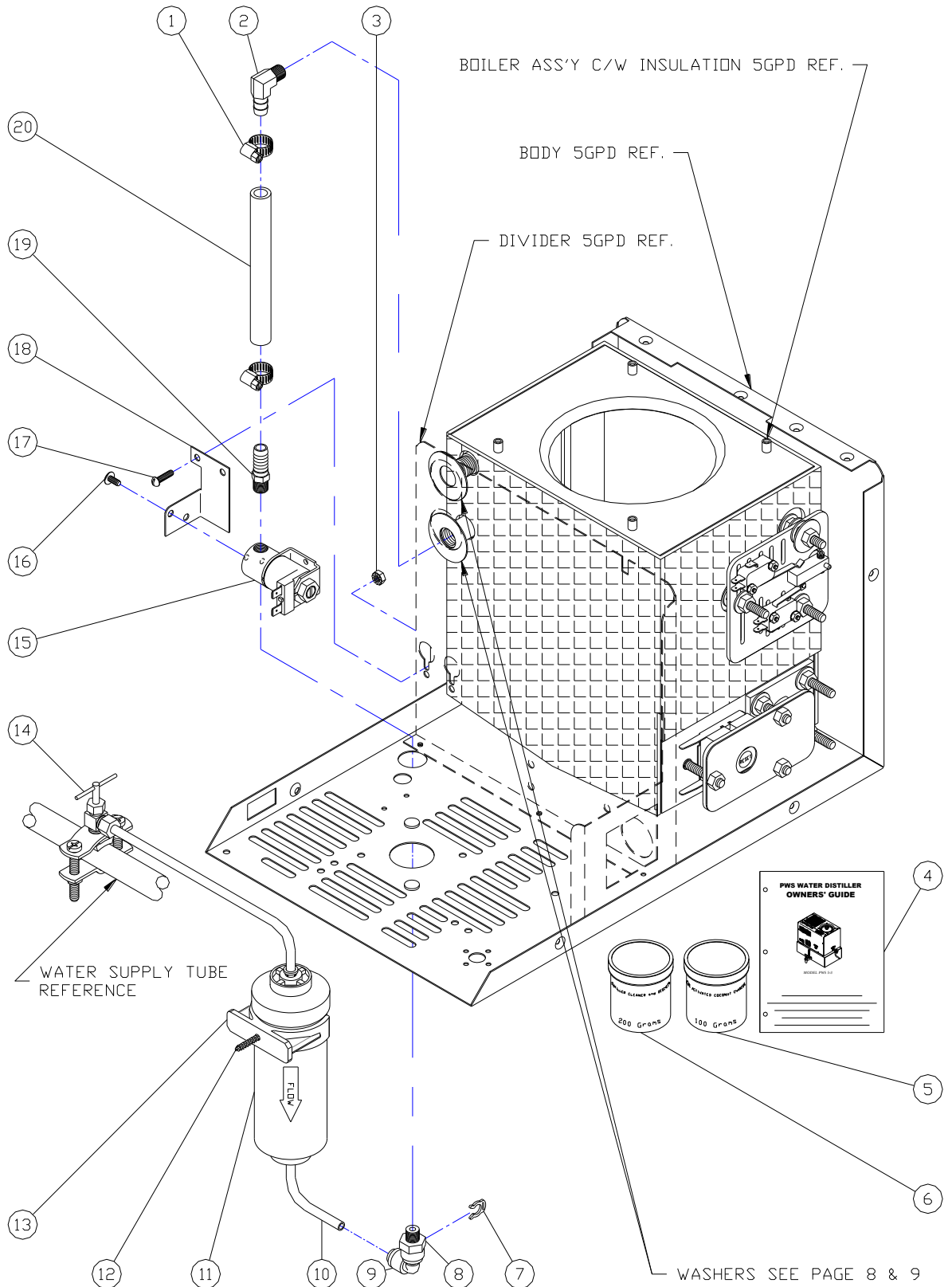
Distiller Body Assembly, PWS, 5GPD Automatic



094184, Exploded Parts List 5GPD Solenoid Valve Assembly

Item #	Part #	Description	Qty
1	080056	Gear Clamp, SS, 1/4"	2
2	030003	Elbow, 90 Degree, 1/8"MPT X 3/8"HB	1
3	026001	Nut, Kep, Plated, #8-32UNC	2
4	097067	Owners Guide, PWS 5-3 Distiller	1
5	080116	Charcoal, Sample, 100 Gram, Jar	1
6	080115	Descaler, Sample, 300Gram, Jar	1
7	034009	Locking Clip, 1/4" JG	1
8	034054	Gray Acetal Male Connector, 1/4" X 1/8"NPTF, JG	1
9	034057	Gray Acetal Plug IN Elbow, 1/4" Stem – 1/4" Tube, JG	1
10	052000	Tubing, 1/4" Feed-line	16'
11	080054	Filter, Sediment, CL6-RO, Red	1
12	010008	Screw, SM, Plated, #10-12 X 1", Pan Socket	1
13	054073	Nylon, Mounting Clip, Single, 2" Diameter	1
14	036005	Valve, Self Piercing Kit	1
15	060026	Solenoid Valve, 1/8"FPT BE, 120V	1
	060027	Solenoid Valve, 1/8"FPT BE, 240V	1
16	012017	Screw, Machine, SS, #8-32UNC X 3/8"	2
17	012012	Screw, Machine, Plated, #8-32UNC X 5/8"	2
18	500469	Bracket, Brass Solenoid Valve	1
19	030001	Coupler, 1/8"MPT X 3/8" HB	1
20	052032	Peristaltic Tubing, Size #36, 9.6mmID X 14.6mmOD	0.417'

094184, Exploded Parts List 5GPD Solenoid Valve Assembly



094185, Exploded Parts List

Distiller Head Assembly, PWS, 5GPD Automatic

Item #	Part #	Description	Qty
1	010000	Screw, Sheet Metal, #10-12 X ½", SS	16
2	500503	Cover, Rear, 5-3, Auto, S16	1
3	012008	Screw, Mach, #10-24 X 3/8", Oval Head	4
4	500111	Gasket, Lid	1
5	030043	Adapter, 1/2"FPT x 1/2"MPT	1
6	500348	Insulation, 5-3, Boiler Sides	1
7	018002	Washer, Flat, 7/8" X 1-1/2" X 20ga, SS	1
8	400000	Drain Valve, Impurities	1
9	030013	Nut, Pltd, 3/8" Compression	1
10	500212	Tube, Manual Drain	1
11	030012	Ferrule, 3/8"	1
12	080065	Washer, Impurities Drain Valve	1
13	500335	Divider, 5-3, Auto	1
14	500471	Body, Series 16	1
15	500215	Insulation, 8GPD Manual Boiler Bottom	1
16	054004	Bushing, Snap, 1.25"	1
17	500336	Cover, Front, 5-3, Auto	1
18	080120	Decal, Sht, PWS, Distillers	0.25

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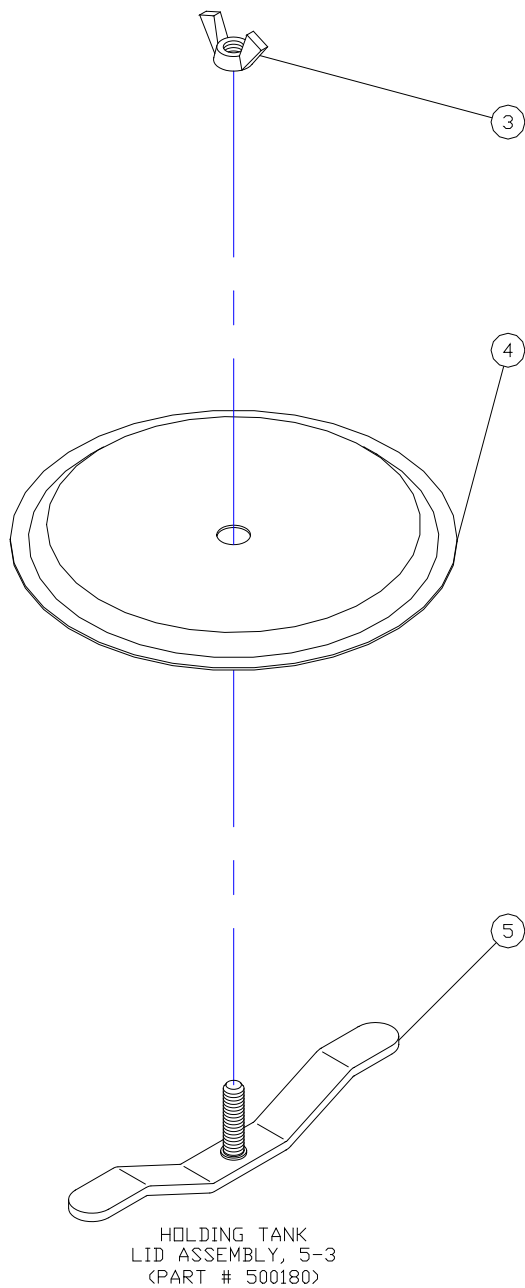
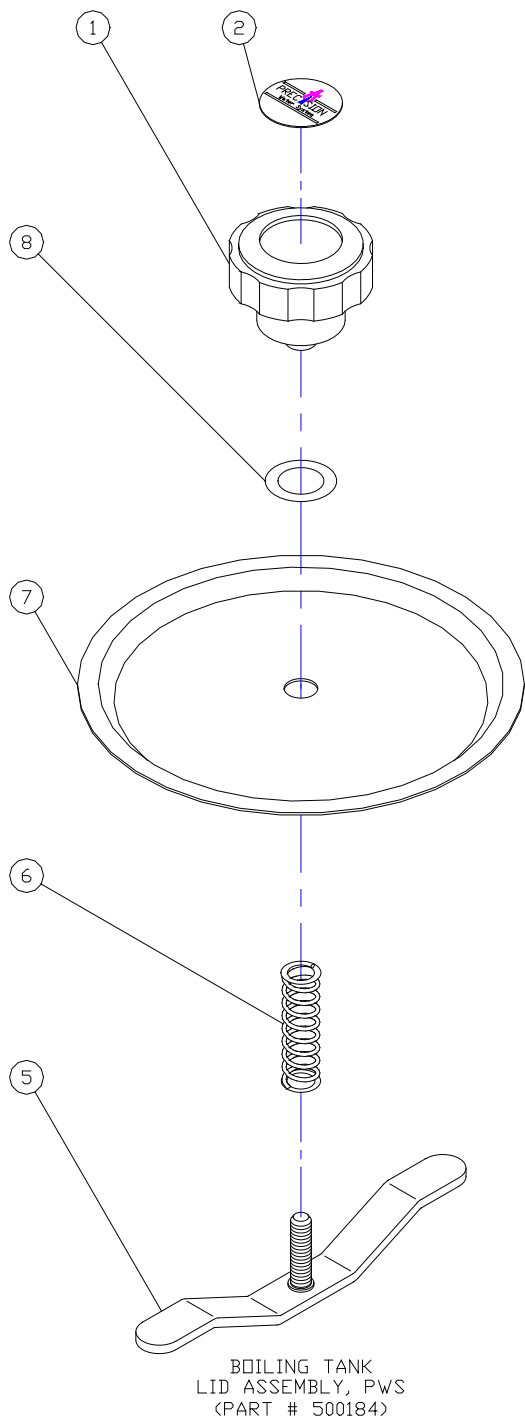
094186, Exploded Parts List

Boiling Tank & Holding Tank Lids Assy, PWS, 5-3

Item #	Part #	Description	Qty
1	080053	Knob, Black Phenolic, 1/4-20	1
2	080106	Inlay, Knob, PWS	1
3	028002	Nut, Wing, 1/4", SS	1
4	500119	Lid, H/T, Disc, SS, 5.5"	1
5	500115	Tee Bar, Studded, 5.5"	2
6	080058	Spring, BT, Lid, SS	1
7	500118	Lid, B/T, Disc, SS, 5/5"	1
8	080064	O-Ring, Lid Knob, Buna 112	1

094186, Exploded Parts List

Boiling & Holding Tank Lids Assy, PWS, 5-3



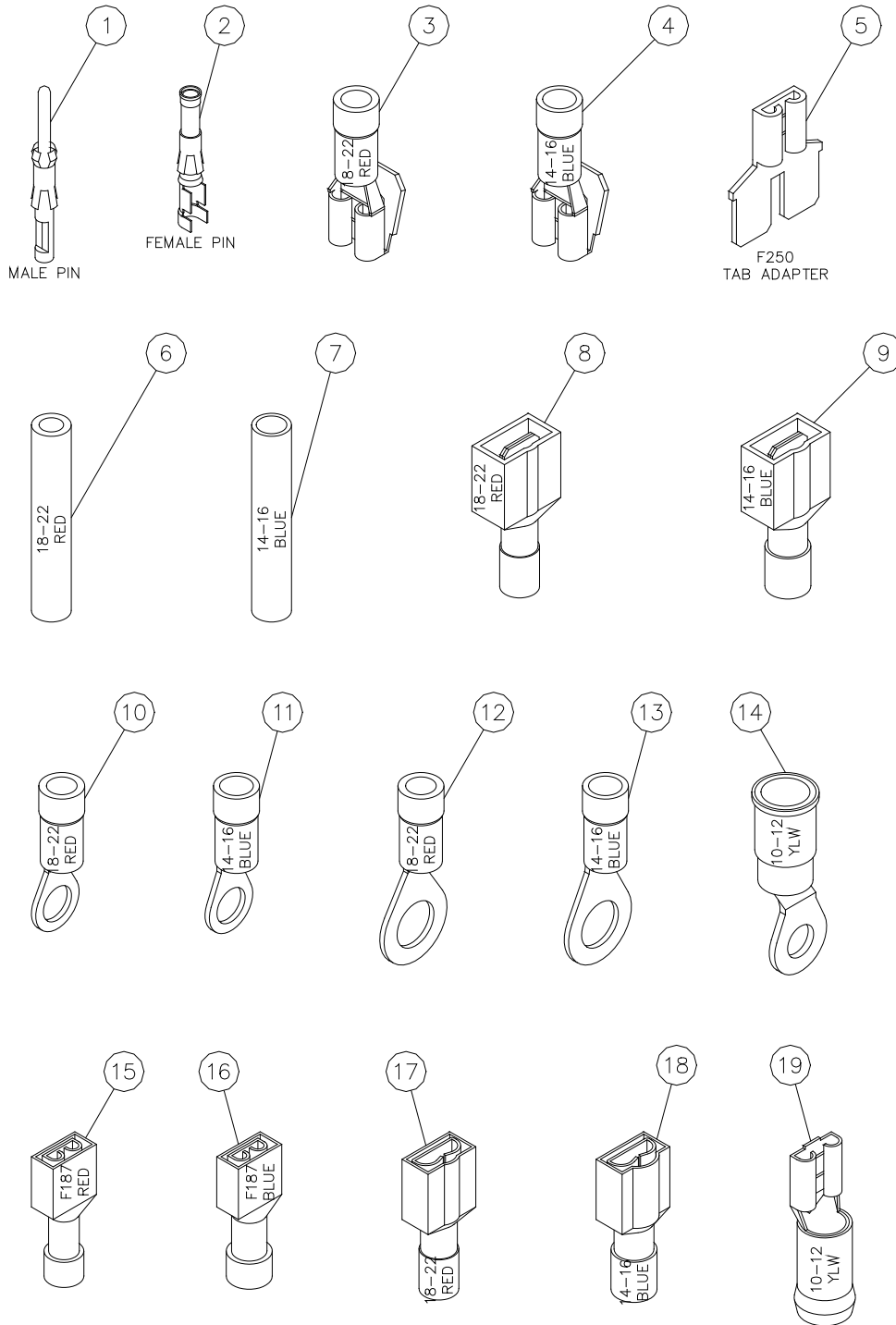
094109, Exploded Parts List

Electrical Terminals

Item #	Part #	Description
1	060016	Pin, Male, Circular
2	060017	Pin, Female, Circular
3	066014	Receptacle, Pigg, F250, #18-22 AWG, Red
4	066004	Receptacle, Pigg, F250, #14-16 AWG, Blue
5	066013	Tab Adapter, F250
6	066006	Butt Splice, #18-22 AWG, Red
7	066005	Butt Splice, #14-16 AWG, Blue
8	066012	Tab, 250, #18-22 AWG, Red
9	066011	Tab, 250, #14-16 AWG, Blue
10	066008	Ring, #10, #18-22 AWG, Red
11	066007	Ring, #10, #14-16 AWG, Blue
12	066010	Ring, ¼", #18-22 AWG, Red
13	066009	Ring, ¼", #14-16 AWG, Blue
14	066016	Ring, #10, #10-12 AWG, Yellow
15	066003	Receptacle, F187, #18-22 AWG, Red
16	066001	Receptacle, F187, #14-16 AWG, Blue
17	066002	Receptacle, F250, #18-22 AWG, Red
18	066000	Receptacle, F250, #14-16 AWG, Blue
19	066015	Receptacle, F250, #10-12 AWG, Yellow

094109, Exploded Parts List

Electrical Terminals



Wiring List - Precision Pure 5-3 -120V Part # 500345-S14-

SERIES 13								
No.	Part#	Color	Ga	Length	From Conn.	ToConn.	From Location	To Location
1	500232	GRN	16	3"	#10RING#14-#16	POWER CORD	GROUND	POWER CORD
2	500232	BLK	16	4"	F250 #14-#16	POWER CORD	POWER SWITCH "B"	POWER CORD
3	500232	WHT	16	7"	#10RING#14-#16	POWER CORD	RESET SWITCH #4	POWER CORD
4	500350	BLK	18	14"	#10RING#18-#22	FAN MOTOR (ORG/BLU)	HEATING ELEMENT "A"	FAN MOTOR
5	500350	BLK	18	6"	F250 #18-#22&PIGG#18-#22	FAN MOTOR (YLW/WHT)	FAN SWITCH "C"	FAN MOTOR
6	095026	RED	16	7"	#10RING#14-#16	F187 #14-#16	RESET SWITCH #1	Lower Microswitch COM (B/T)
7	095089	BLK	16	21"	#10RING#14-#16	F187 #14-#16	RESET SWITCH #2	Microswitch COM (H/T)
8	095090	BRN	16	22"	#10RING#14-#16	F250 #14-#16	RESET SWITCH #1	SOLENOID VALVE "A"
9	095091	WHT	16	5"	#10RING#14-#16	#10 RING #14-#16	RESET SWITCH #3	HEATING ELEMENT "B"
10	095092	BLU	16	9"	#10RING#14-#16	F250 #14-#16	RESET SWITCH #3	FAN SWITCH "B"
11	095093	YLW	16	18"	#10RING#14-#16	F250 #14-#16	RESET SWITCH #3	WATER SWITCH "A"
12	095094	RED	16	14"	F250 #14-#16	F187 #14-#16	POWER SWITCH "C"	Microswitch NC (H/T)
13	095010	WHT	16	3"	F250 #14-#16	PIGG#14-#16	POWER SWITCH "D"	FAN SWITCH "B"
14	095095	BRN	16	9"	#10RING#14-#16	F187 #14-#16	HEATING ELEMENT "A"	Lower Microswitch NC (B/T)
15	095096	WHT	16	12"	#10RING#14-#16	F250 #14-#16	HEATING ELEMENT "A"	FAN SWITCH "D"
16	095097	WHT	16	21"	F250 #14-#16	F187 #14-#16	WATER SWITCH "B"	Upper Microswitch NC (B/T)
17	095098	BLU	16	26"	F187 #14-#16	F250 #14-#16	Upper Microswitch COM (B/T)	SOLENOID VALVE "B"
NOTE: 6" Fibreglass Sheath over wires # 7, 8,11,12,16 &17.								

Note: Wire #11,#16,#7 and #12 are covered in a pvc tubing #080108

500345, Exploded Parts List

Wiring Diagram, PWS, 5GPD, Auto

