



REPLACEMENT PARTS MANUAL

FOR MODEL: **PWS STREAM(120VAC)**, **PWS STREAM(240VAC)** & **PWS 8-ST**

PART # 500056

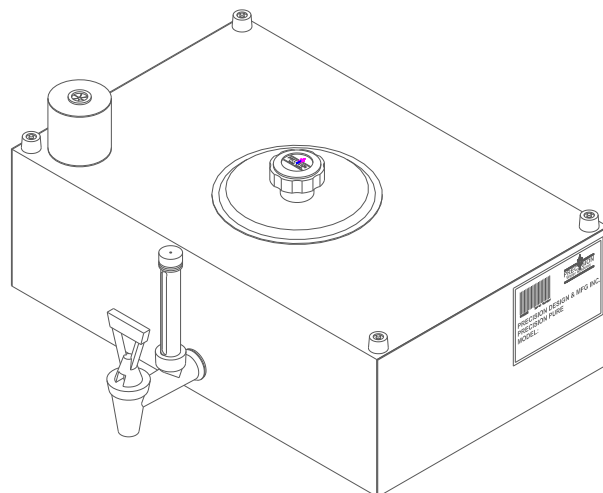
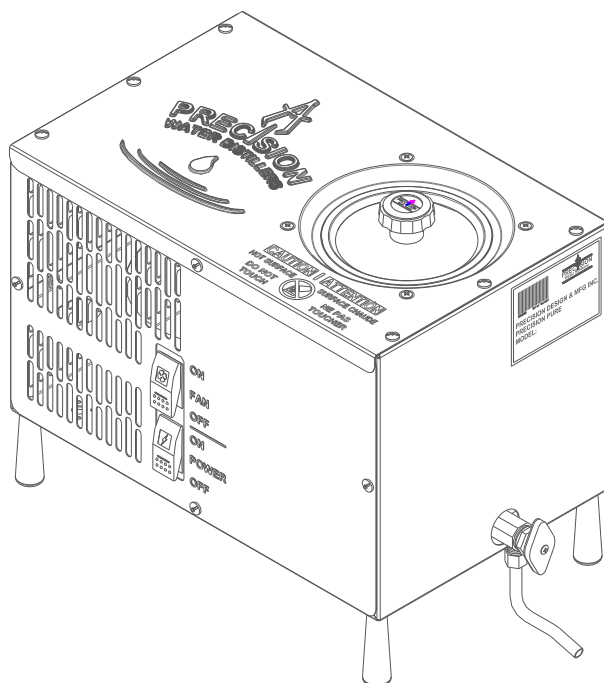
500012

500001

SERIES 0004

0002

0016



PRECISION WATER SYSTEMS WATER DISTILLER

MANUFACTURED BY:

PRECISION DESIGN & MANUFACTURING INC.

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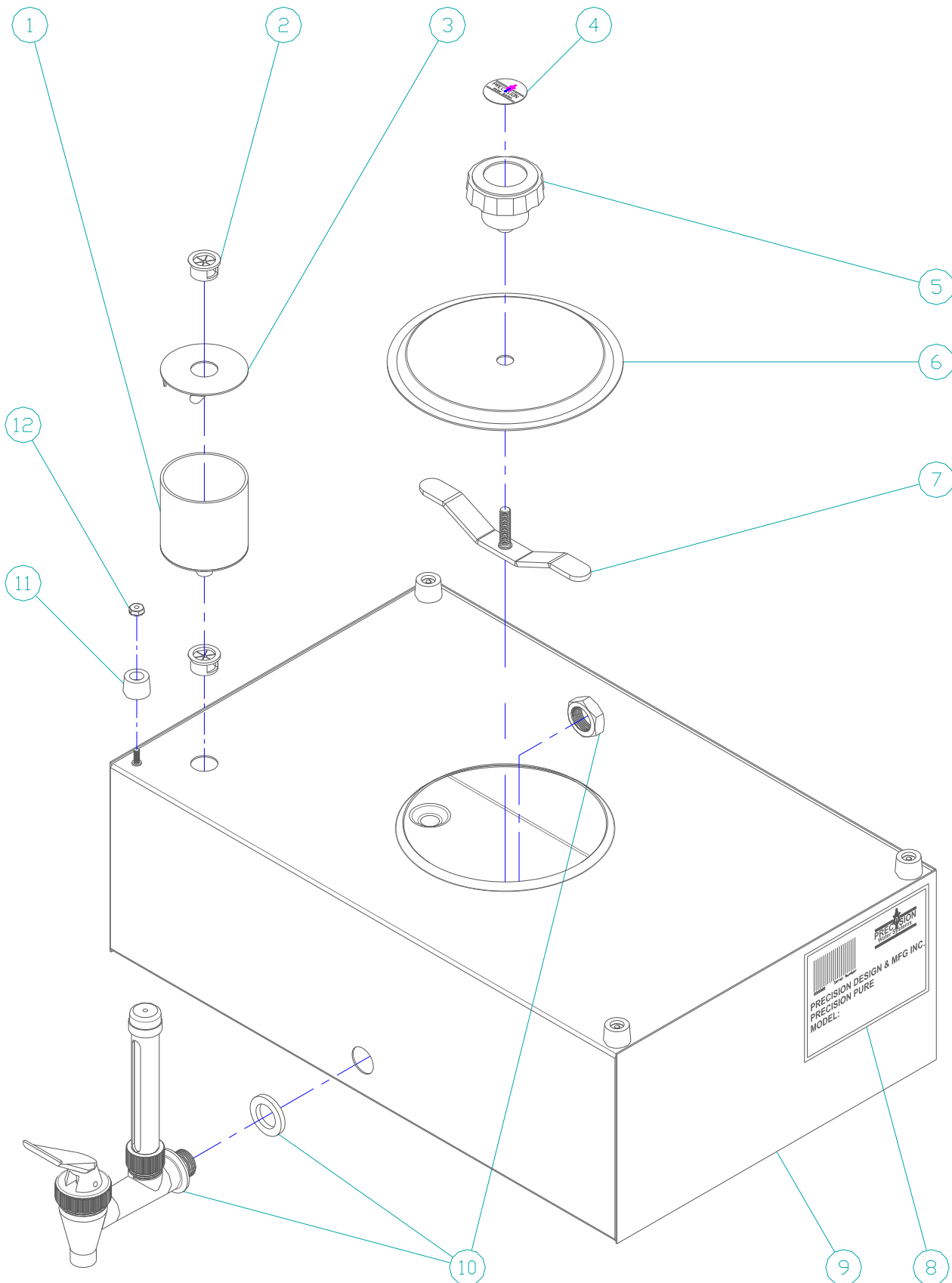
094080, Exploded Parts List Storage Tank Assembly, MST

Item #	Part #	Description	Qty
1	500258	Filter Housing, WA, PWS 5-3	1
2	054005	Bushing, Wire Plastic, 5/8" Hole	2
3	500260	Filter Cap WA, PWS 5-3	1
4	080106	Inlay, Knob, PWS	1
5	080053	Knob, Black, Phenolic, 1/4"-20UNC	1
6	500119	Lid Disc, HT, SS, 5.5"	1
7	500115	Tee bar, Studded, 5.5".	1
8	080119	Sheet, Imprintable Poly, Silver 8.5" X 11"	0.1667
9	500429	Holding Tank WA, 8-MST, S14	1
10	500533	SS Sight Gauge Drain Valve, 4" W/Washer & Red Float Ball	1
11	054019	Foot, 5/8" Diameter X 7/16" High, Black	4
12	026006	NUT, KEP, 18-8 SS, #6-32UNC	4

STORAGE TANK LID KIT #500248

094080, Exploded Parts List

Storage Tank Assembly, MST



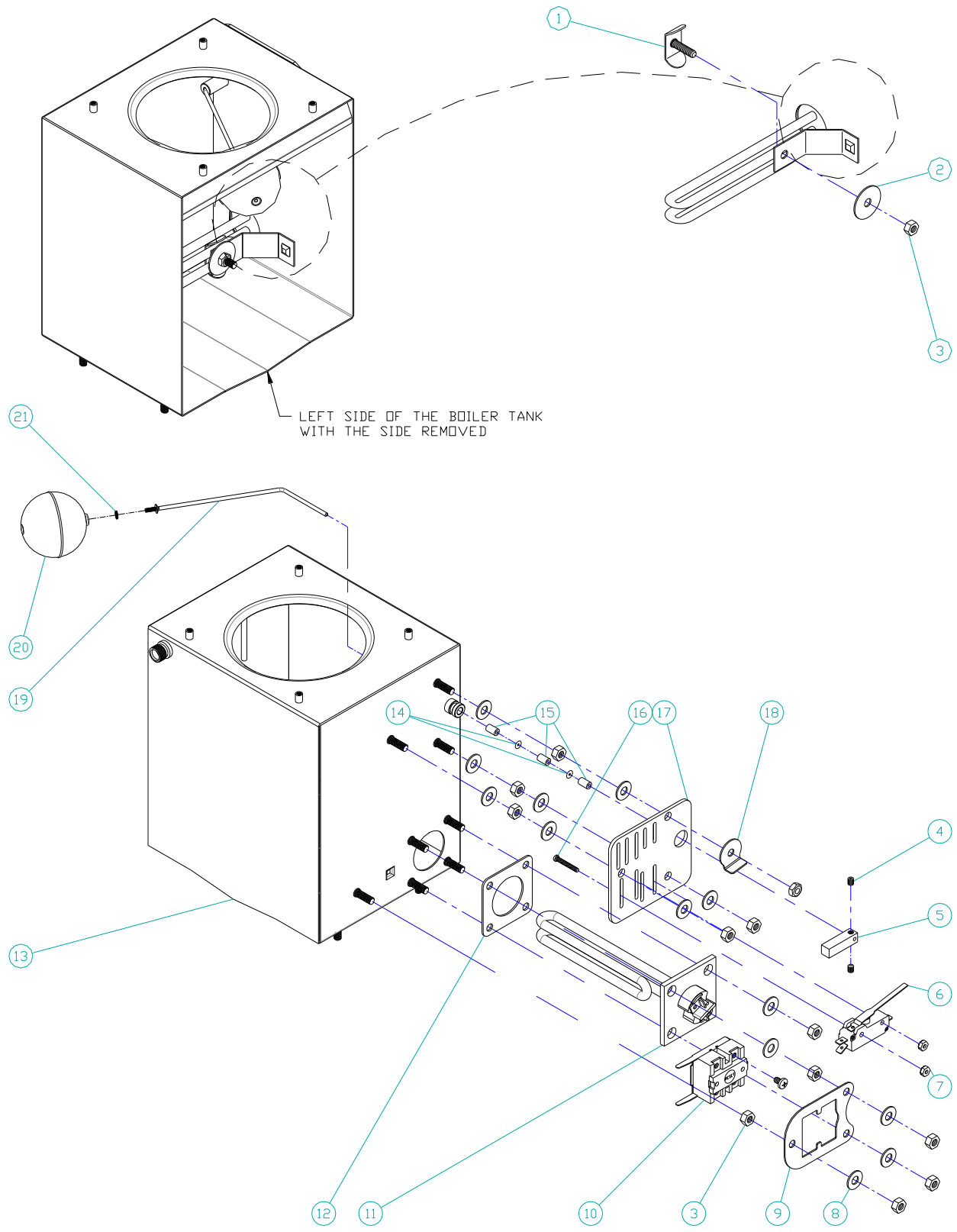
094111, Exploded Parts List

Boiler Assembly, Stream Distiller, Manual

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	13
4	016035	Set Screw, SS, #10-32UNC X .25", Cup Point	2
5	530333	Bar, Activator, Boiler Float #10-32UNC	1
6	060064	Micro Switch, Large	1
7	026006	Nut, Kep, #18-8 SS, #6-32-UNC	2
8	018004	Washer, Flat, SS, 5/16"ID x 11/16"OD, 20ga.	13
9	510247	Mount Plate, Reset Switch	1
10	060104	Switch, Therm, Manual. Reset, DPST, RT	1
11	060001	Heating Element, 125V, 1100W	1
	060002	Heating Element, 230V, 1100W	1
12	500100	Gasket, Heater	1
13	500590	Boiler, Studded, Stream Distiller	1
14	080128	O-Ring, Viton, 1/16" X 1/8" X 1/4"	2
15	080127	Bushing, Teflon, 1/4" X 1/8"	3
16	012002	Screw, Machine, Plated, #6-32UNCX1" Rnd/Skt	2
17	500266	Plate, Micro Switch, Lexan	1
18	510251	Washer, "L", 0.281" ID X 1" OD, 18 Gauge SS	1
19	500431	Rod WA, Boiler Float, 8-M	1
20	080162	Float Ball, SS, 2.25" Round, #6-32UNC	1
21	020002	Washer, Lock, SS, M3.5, ext over locking tooth	1

094111, Exploded Parts List

Boiler Assembly, Stream Distiller, Manual



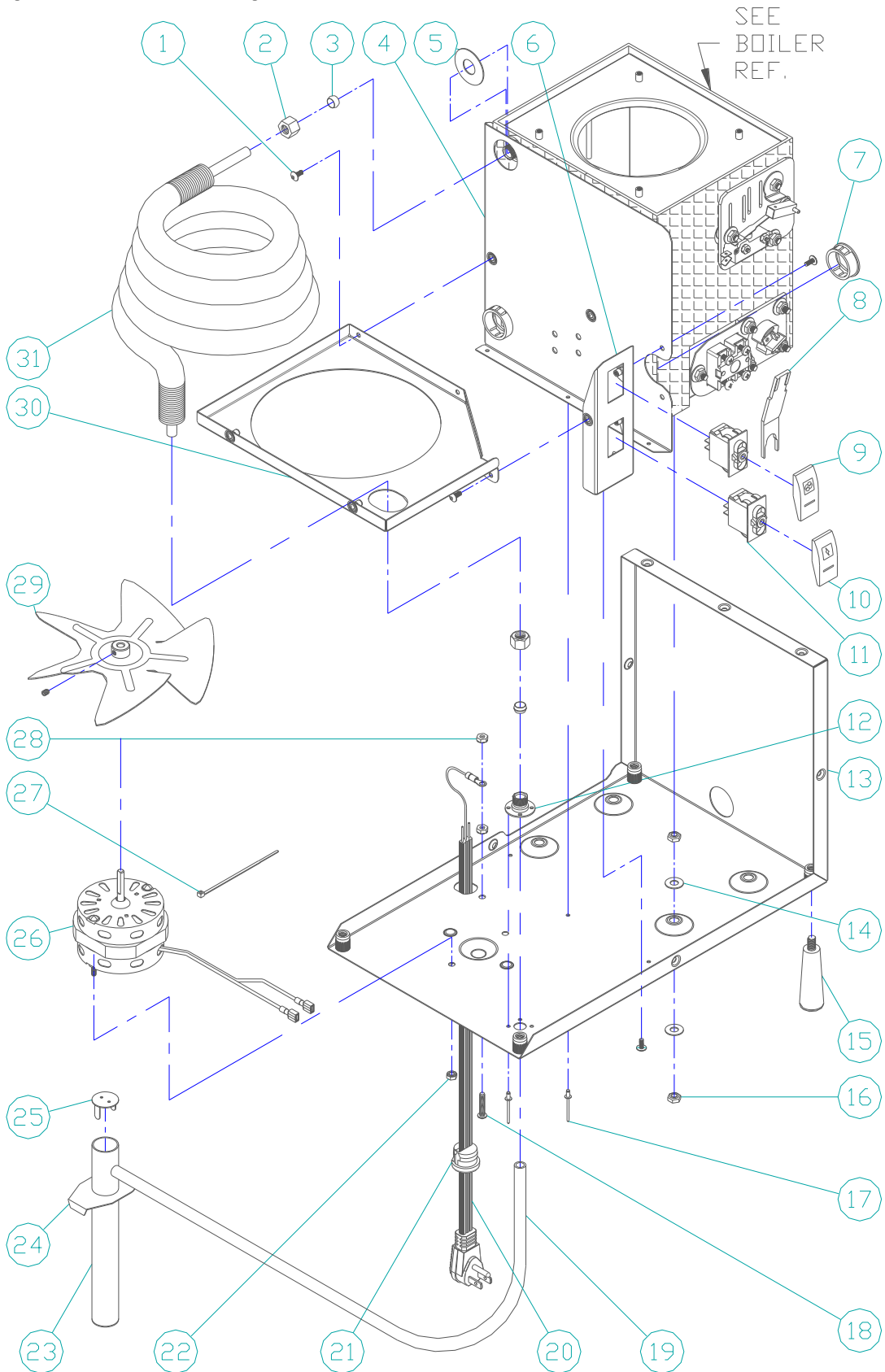
094079, Exploded Parts List

Distiller Body Assembly, 8GPD, Manual

Item #	Part #	Description	Qty
1	012017	Screw, Machine, SS, #8-32UNC X 3/8", TRS HD/SK	8
2	030013	Nut, Plated, 3/8" Compression	2
3	030012	Ferrule, Brass, 3/8" Compression	2
4	500602	Aluminum Divider, Clinch Nut, Stream Distiller	1
5	018023	Washer, Flat, 5/8"ID x 1-1/2"OD, 20ga, SS	1
6	500604	Front Switch Mount Plate, Clinch Nut, Stream Distiller	1
7	054004	Bushing, Snap, Plastic, 1-1/4" Hole	2
8	080134	Tool, Actuator Removal	REF.
9	060030	Actuator, Grey, Amber-Fan	1
10	060029	Actuator, Grey, Red-Power	1
11	060028	Switch Base, 120/240V, Dual Light	2
12	530344	Mount WA, Cooling Coil Compression	1
13	500605	Body, Clinch Nut, Stream Distiller	1
14	018004	Washer, Flat, SS, 5/16"ID X 11/16"OD, 20ga.	8
15	054009	Leg, Plastic Taper, 2.5", 5/16" X 5/8"	4
16	025000	Nut, Hex, SS, 1/4"-20UNC	8
17	016004	Rivet, Aluminum, 1/8" X 5/16"	6
18	012000	Screw, Machine, Plated, #10-24UNC X 1", Round/Socket	1
19	052002	Tubing, PVC, 5/16" X 7/16"	2'
20	500550	Power Cord Assembly, 14-3 HPN, 8 GPD	1
21	054094	Strain Relief, 14 & 12 Gauge, Flat Cable	1
22	026005	Nut, Kep, 18-8 SS, #8-32UNC	2
23	500211	Post Filter Tube, WA	1
24	500198	Clip, Post Filter	1
25	500262	Filter Cap, WA, PWS 8-M, Post	1
26	510283	Common Distiller Moter Assembly, 115V	1
27	054011	Wire Tie, Plastic, 4"	Ref.
28	026004	Nut, Kep, 18-8 SS, #10-24UNC	2
29	080045	Fan Blade, 7", Aluminum	1
30	500600	Aluminum Fan Shroud, Clinch Nut, Stream Distiller	1
31	510246	Cooling Coil Assembly, Gulf & Sea Distiller	1

094079, Exploded Parts List

Body Assembly, Stream Distiller, Manual



094078, Exploded Parts List

Distiller Head Assembly, 8GPD, Manual

Item #	Part #	Description	Qty
1	010000	Screw, Sheet Metal, SS, #10-12 X 1/2" TRSHD/SSDR	14
2	500580	Top Cover, Stream Distiller	1
3	500184	Boiler Lid Assembly	1
4	012018	Screw, Machine, SS, #10-24UNC X 1/4", Oval/PH	4
5	500111	Gasket, Lid, PWS	1
6	500592	Insulation, Boiler Side, 8 GPD, Stream Boiler	1
7	018002	Washer, Flat, 7/8"ID x 1-1/2"OD, 20ga., ALUM	1
8	500582	Rear Cover, Stream Distiller	1
9	500605	Body, Clinch Nut, Stream Distiller	1
10	400000	Valve, Drain, BT, 1/2-14FNPT X 3/8"	1
11	030013	Nut, Compression, 3/8" Plated	1
12	500212	Tube, Manual Drain	1
13	030012	Ferrule, Brass, 3/8" Compression	1
14	080065	Washer, Impurities Drain	1
15	025000	Nut, Hex, SS, 1/4"-20UNC	8
16	500604	Front Switch Mount Plate, Clinch Nut, Stream Distiller	1
17	500581	Front Cover, Stream Distiller	1
18	012017	Screw, Machine, SS, #8-32UNC X 3/8", Truss HD/SK	7
19	018004	Washer, Flat, 5/16" ID X 11/16" OD, 20-gauge SS	8
20	500600	Aluminum Fan Shroud, Clinch Nut, Stream Distiller	1
21	500600	Aluminum Divider, Clinch Nut, Stream Distiller	1
22	080119	Sheet, Imprintable Poly, Silver 8.5" X 11"	0.1667 SHT
23	500593	Insulation, Boiler Bottom, 8 GPD, Stream Boiler	1

This exploded view diagram illustrates the assembly of the Precision Air Purifier. The components are numbered 1 through 23. The assembly process involves attaching the top cover (1) to the main body (2) using screws (3). The main body (2) is then attached to the base (4) using screws (5). The base (4) is then attached to the bottom cover (6) using screws (7). The bottom cover (6) is then attached to the main body (2) using screws (8). The main body (2) is then attached to the base (4) using screws (9). The base (4) is then attached to the bottom cover (6) using screws (10). The bottom cover (6) is then attached to the main body (2) using screws (11). The main body (2) is then attached to the base (4) using screws (12). The base (4) is then attached to the bottom cover (6) using screws (13). The bottom cover (6) is then attached to the main body (2) using screws (14). The main body (2) is then attached to the base (4) using screws (15). The base (4) is then attached to the bottom cover (6) using screws (16). The bottom cover (6) is then attached to the main body (2) using screws (17). The main body (2) is then attached to the base (4) using screws (18). The base (4) is then attached to the bottom cover (6) using screws (19). The bottom cover (6) is then attached to the main body (2) using screws (20). The main body (2) is then attached to the base (4) using screws (21). The base (4) is then attached to the bottom cover (6) using screws (22). The bottom cover (6) is then attached to the main body (2) using screws (23).

094123, Exploded Parts List

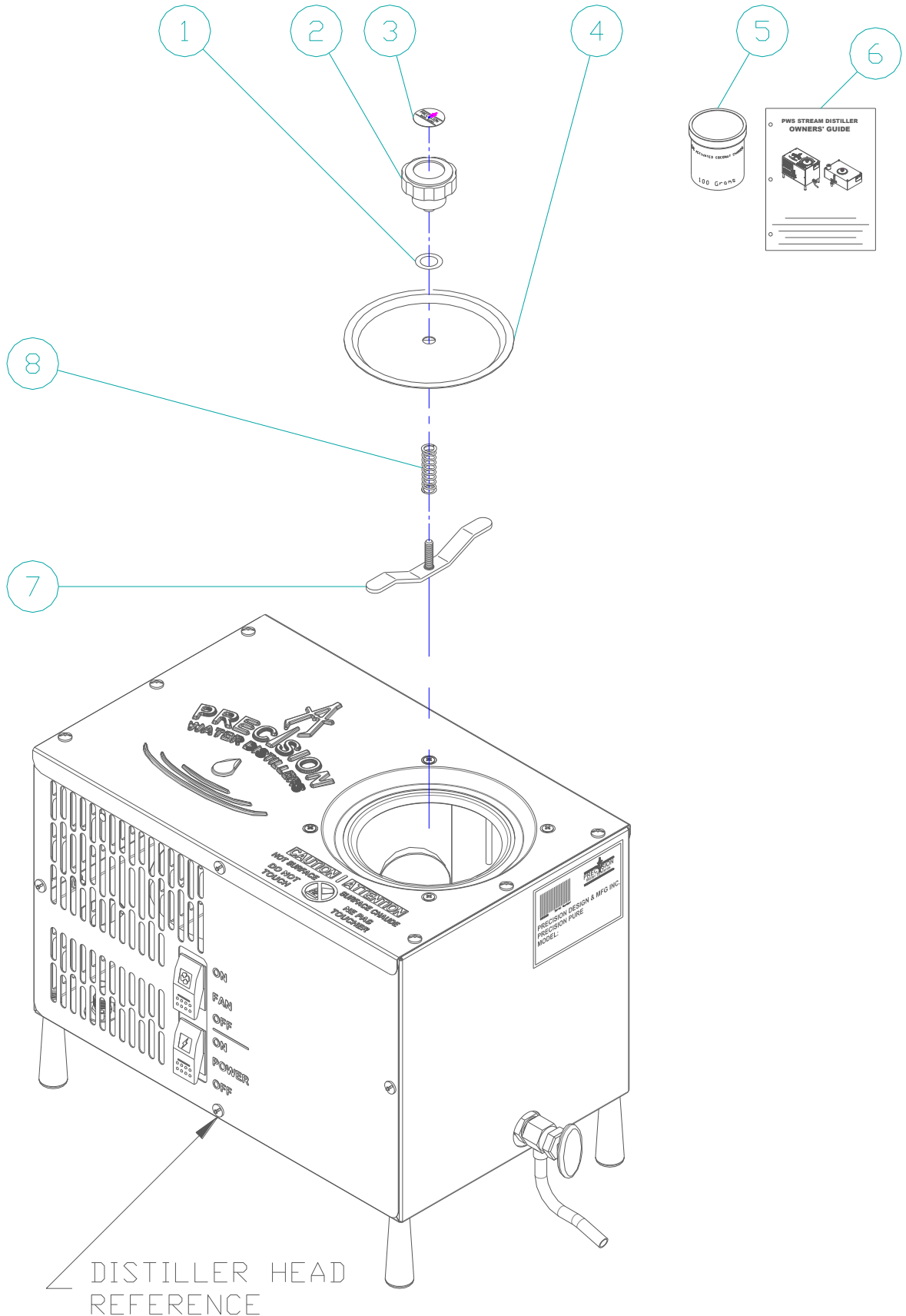
Boiler Tank Lid Assembly, Stream Distiller

Item #	Part #	Description	Qty
1	080064	O-ring, Lid Knob, Buna 112	1
2	080053	Knob, Black, Phenolic, ¼"-20UNC	1
3	080106	Inlay, Knob, PWS	1
4	500118	Lid Disc, Boiler Tank, SS, 5.5"	1
5	080116	Charcoal, Sample, 100 Gram Jar	1
6	097515	Owners Guide, PWS Stream Distiller	1
7	500115	Tee Bar, Studded, 5.5"	1
8	080058	Spring, B.T. Lid, SS	1

BOILER TANK LID KIT #500184.

094123, Exploded Parts List

Boiler Tank Lid Assembly, Stream Distiller



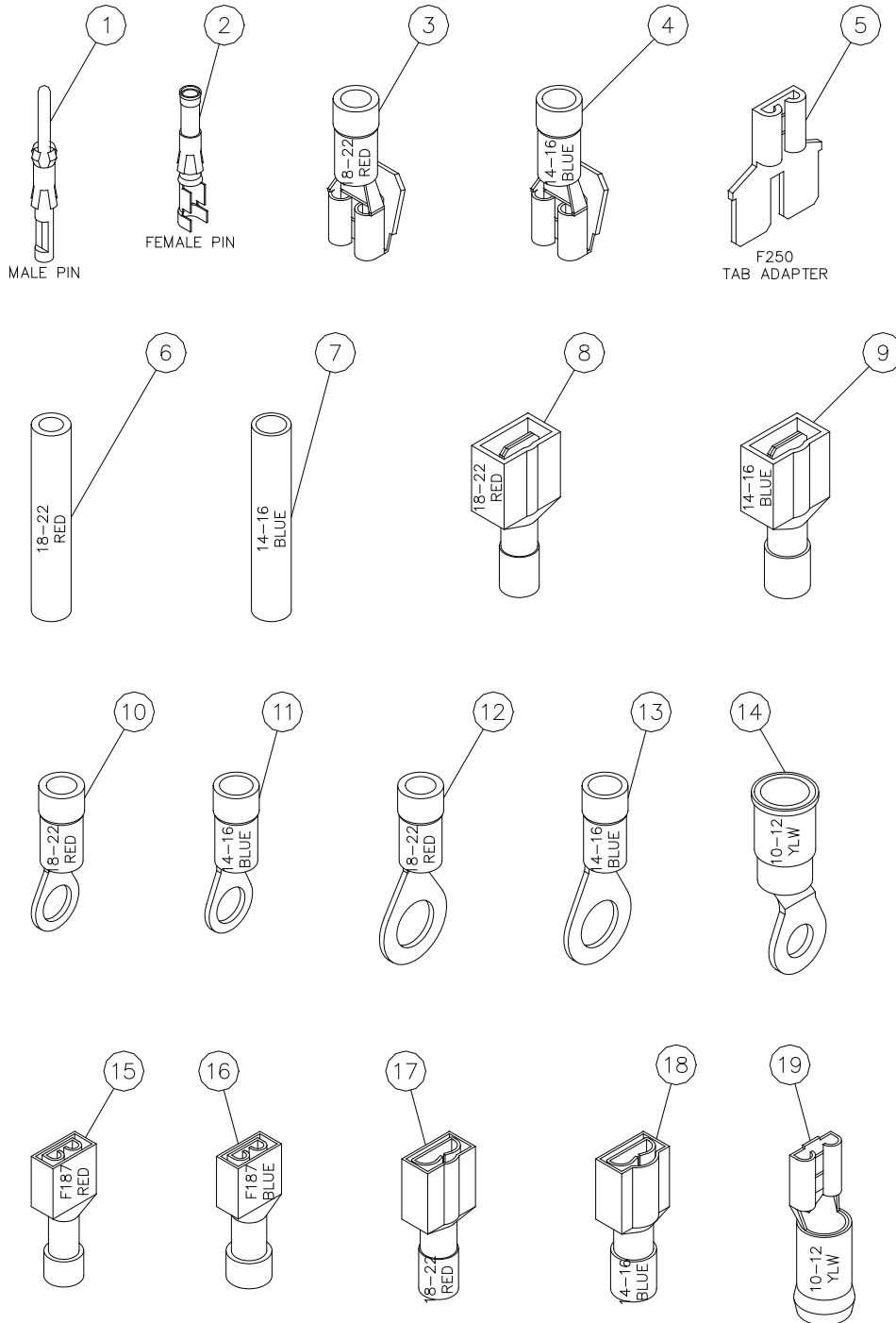
094109, Exploded Parts List

Electrical Terminals

Item #	Part #	Description
1	060016	Pin, Male, Circular
2	060017	Pin, Female, Circular
3	066014	Receptacle, Pigg, F250m18-22, Red
4	066004	Receptacle, Pigg, F250,14-16AWG, Blue
5	066013	Tab Adapter, F250
6	066006	Butt Splice,18-22AWG, Red
7	066005	Butt Splice,14-16AWG, Blue
8	066012	Tab,250,18-22AWG, Red
9	066011	Tab,250,14-16AWG, Blue
10	066008	Ring, #10,18-22AWG, Red
11	066007	Ring, #10,14-16AWG, Blue
12	066010	Ring, 1/4",18-22AWG, Red
13	066009	Ring,1/4",14-16AWG, Blue
14	066016	Ring, #10,10-12 AWG, Yellow
15	066003	Receptacle, F187,18-22AWG, Red
16	066001	Receptacle, F187,14-16AWG, Blue
17	066002	Receptacle, F250,18-22AWG, Red
18	066000	Receptacle, F250,14-16AWG, Blue
19	066015	Receptacle, F250,10-12 AWG, Yellow

094109, Exploded Parts List

Electrical Terminals



Wiring List, Stream Distiller Part # 500577,S2-

SERIES 2								
No.	Part#	Color	Ga	Length	From Conn.	ToConn.	From Location	To Location
1	500550	MIDDLE	14	3"	#10RING#14-#16	POWER CORD MIDDLE WIRE	GROUND	POWER CORD MIDDLE WIRE
2	500550	SMOOTH	14	16"	F250 #14-#16	POWER CORD SMOOTH WIRE	POWER SWITCH #2	POWER CORD SMOOTH WIRE
3	500550	RIBBED	14	17"	#10RING#14-#16	POWER CORD RIBBED WIRE	RESET SWITCH #2	POWER CORD RIBBED WIRE
4	510283	BLK	18	6.5"	F250#18-#22	TAB250 #14-#16	FAN SWITCH #2	FAN MOTOR
5	510283	BLK	18	6.5"	F250#18-#22	TAB250 #14-#16	RESET SWITCH #4	FAN MOTOR
6	095103	BLK	16	9"	F250 #14-#16	#10 RING #14-#16	MICROSWITCH "NC"	HEATING ELEMENT B
7	095024	YLW	16	6"	#10RING#14-#16	#10 RING #14-#16	RESET SWITCH #3	HEATING ELEMENT A
8	095025	WHT	16	12"	F250 #14-#16	#10 RING #14-#16	FAN SWITCH #3	HEATING ELEMENT B
9	095104	RED	16	7"	F250 #14-#16	#10 RING #14-#16	MICROSWITCH "COM"	RESET SWITCH #1
10	095027	ORG	16	9"	F250 #14-#16	#10 RING #14-#16	POWER SWITCH #3	RESET SWITCH #4
11	095028	GRN	16	9"	F250 #14-#16	#10 RING #14-#16	POWER SWITCH #8	RESET SWITCH #1
12	095029	BRN	16	9"	F250 #14-#16	#10 RING #14-#16	FAN SWITCH #6	RESET SWITCH #4
13	095010	WHT	16	3"	PIGG #14-#16	F250#14-#16	FAN SWITCH #2	FAN SWITCH #7
14	095010	WHT	16	3"	PIGG #14-#16	F250#14-#16	POWER SWITCH #3	POWER SWITCH #6
15	095031	BRN	16	13"	F250 #14-#16	#10 RING #14-#16	POWER SWITCH #7	HEATING ELEMENT B
16	095032	BLU	16	10"	#10RING#14-#16		RESET SWITCH #3	FAN SWITCH #8
17	095295	BLU	16	7"	TAB250 #14-#16	F250 #14-#16	FAN MOTOR	FAN SWITCH #2
18	095296	BLU	16	11"	TAB250 #14-#16	#10 RING #14-#16	FAN MOTOR	RESET SWITCH #4

500577, Exploded Parts List

Wiring Diagram, Stream Distiller

