



REPLACEMENT PARTS MANUAL

FOR MODELS: **PWS BFDSA-1 SINGLE (24VDC)**

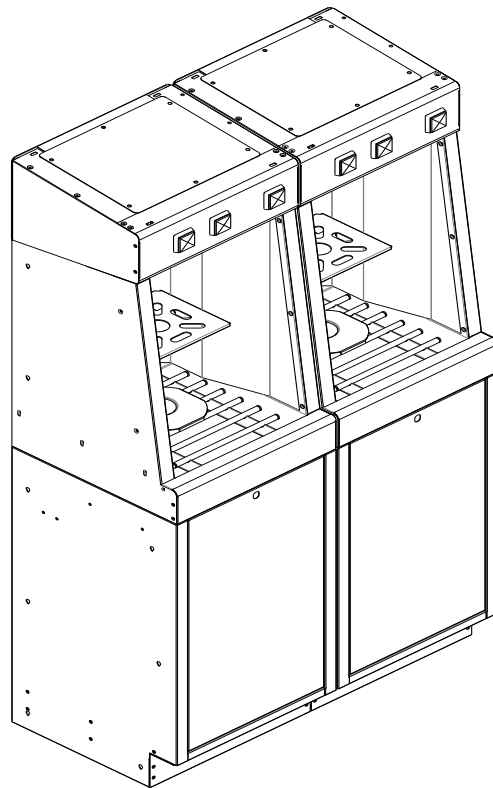
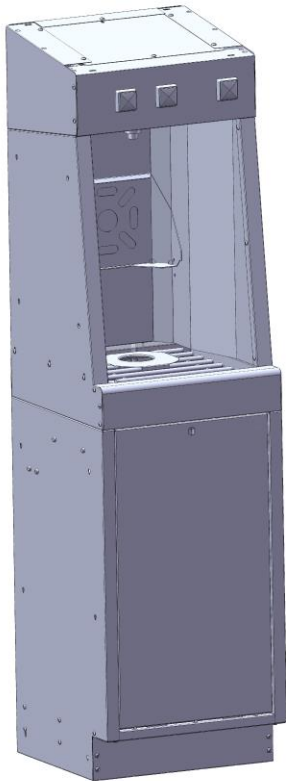
PWS BFDSA-2 DUAL (24VDC)

PART # 330016

PART # 330023

SERIES 0008

SERIES 0008



PRECISION WATER SYSTEMS

SELF-SERVE SINGLE & DUAL DISPENSERS

MANUFACTURED BY:

PRECISION DESIGN & MANUFACTURING INC.

10331-105TH STREET

WESTLOCK, ALBERTA, CANADA, T7P 2H7

email: info@precisioncanada.com

PHONE (780) 349-4933 FAX (780)349-4957

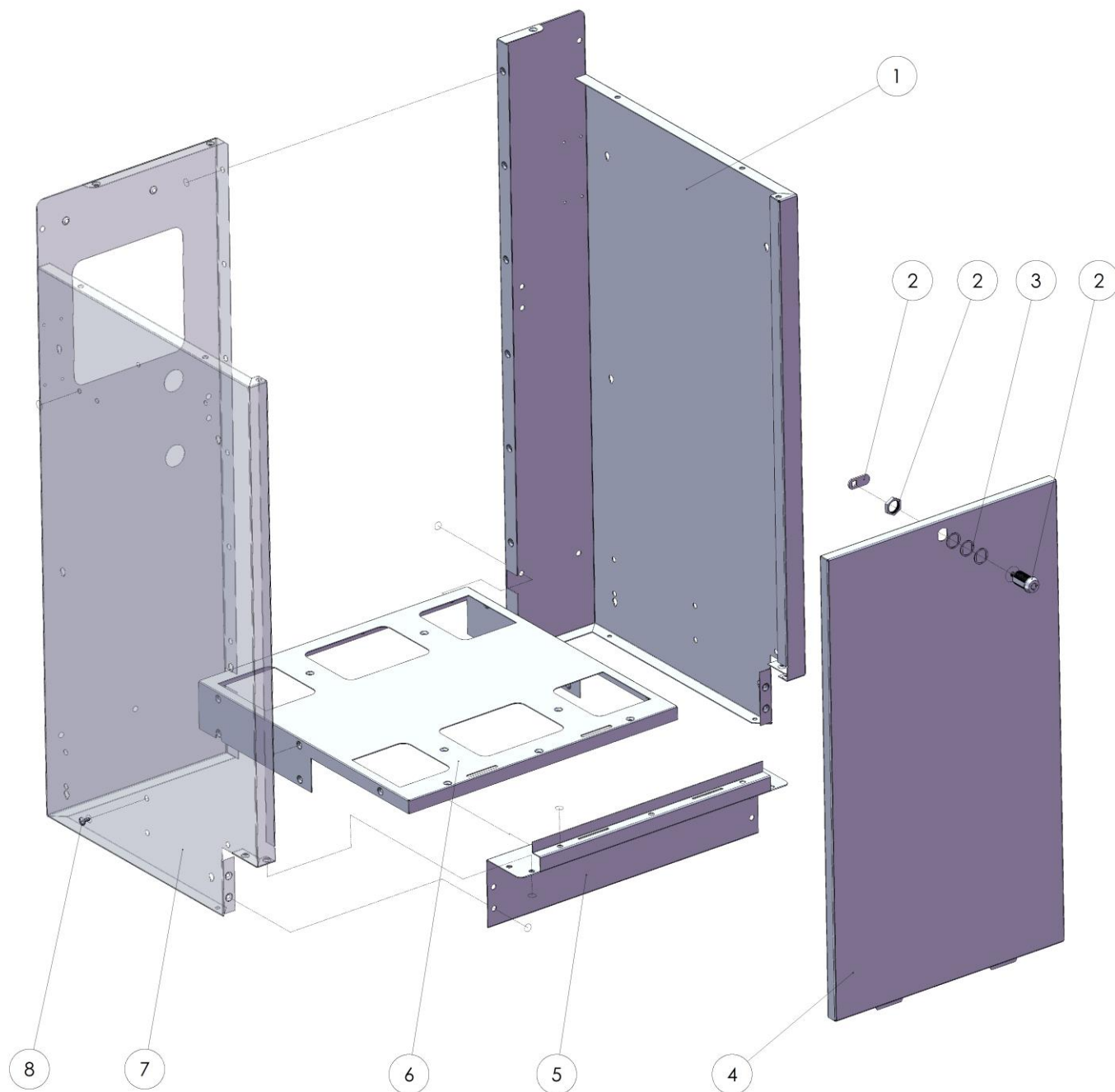
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1. 096045, Exploded Parts List Dispenser Lower Cabinet Assembly

Item #	Part #	Description	Qty
1	330476	Side, LH, Clinch Nut, Lower Cabinet, Single Dispenser	1
2	080244	Lock, Cylinder, Camlock, W/Key	1
3	330042	Washer, .75DD x .875 20ga, SS	3
4	330410	Door, Lower Cabinet, Single Dispenser	1
5	330413	Kick Plate, Lower Cabinet, Single Dispenser	1
6	330478	Shelf, Clinch Nut, Lower Cabinet, Single Dispenser	1
7	330477	Side, RH, Clinch Nut, Lower Cabinet, Single Dispenser	1
8	012017	Screw, Machine, SS, #8-32 X 3/8" Truss Head/Socket	32
not shown			
	060156	Surge Protector, 8 Outlet, 1460 Joules, 6' Cord	1

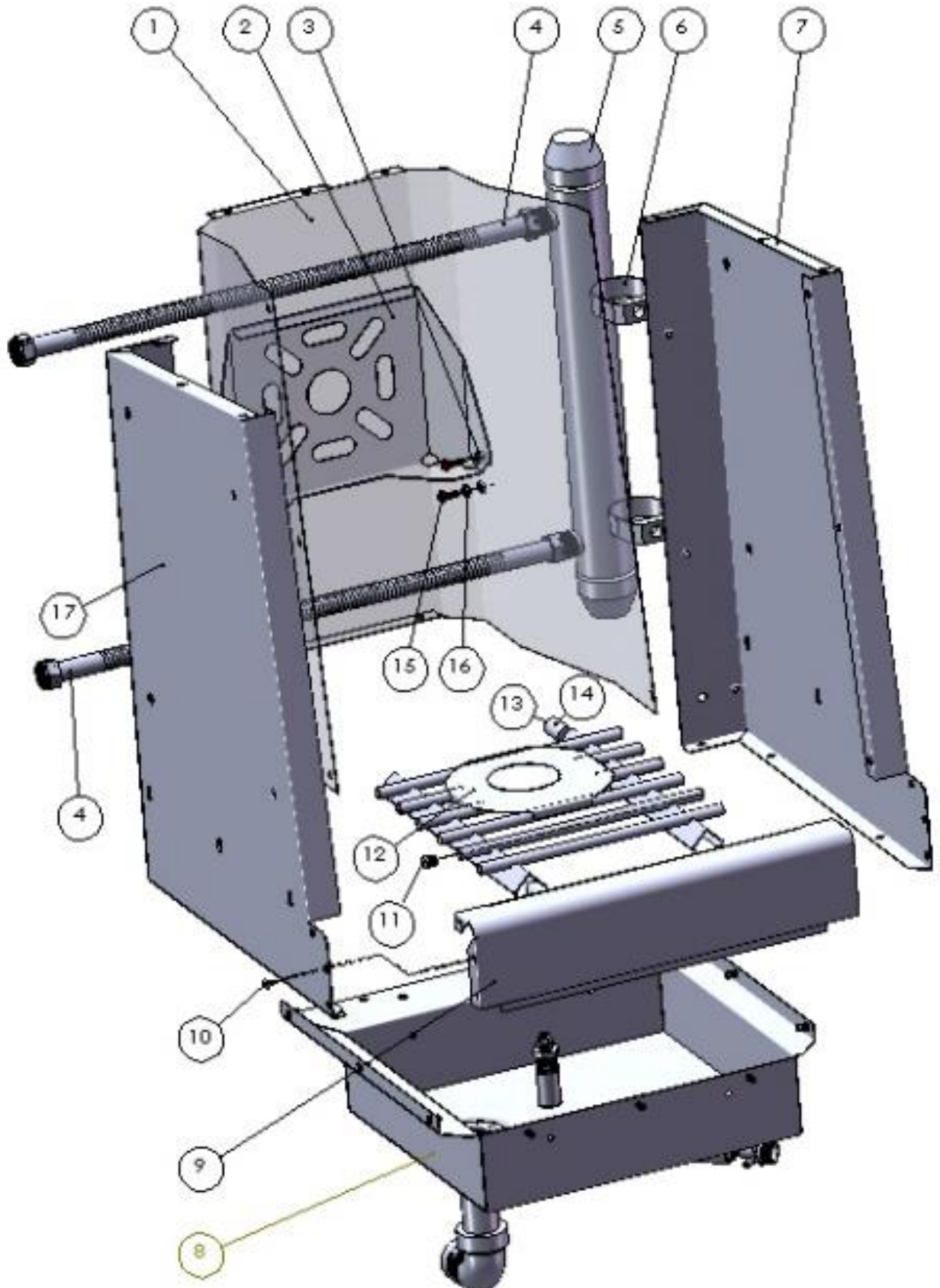
1. 096045, Exploded Parts List Dispenser Lower Cabinet Assembly



2. 096046, Exploded Parts List Dispenser Top Stand Assembly

Item #	Part #	Description	Qty
1	330465	Compartment Inner Wall, Clinch Nut	1
2	330419	1 Gallon Bottle Shelf	1
3	025004	Nut, Nylock, SS, ¼"-20UNC	2
4	036028	Connector, SS Flex, ¾" X ¾" FIP X ¾"ID X 24"L	2
5	080370	Light, UV, 5GPM	1
6	080370	Mount Clip Part of # 5	2
7	330473	Side, LH, Clinch Nut, Top Stand, Dispenser	1
8	330418	Tray Welded Assembly Single Dispenser	1
9	330479	Frt Plate, Clinch Nut, Top Stand, Single Dispenser	1
10	012017	Screw, Machine, SS, #8-32 X 3/8" Truss HD/SK	18
11	054032	Cap, 1/2 OD Tube, Black, LDPE	12
12	330427	Grate Welded Assembly, Dispenser	1
13	900197	Stub WA, Grate Support, CBF-3	4
14	900198	Tube, Silicone, 1/2" ID x 1"	4
15	014006	Capscrew, SS, ¼"-20UNC X 5/8"	4
16	025000	Nut, Hex, SS, ¼"-20UNC	4
17	330472	Side, RH, Clinch Nut, Top Stand, Dispenser	1
not shown			
	080372	Bulb, UV Light, 5GPM (for Item #7)	1
	E002	UV Quartz Sleeve S5Q (for Item #7)	1

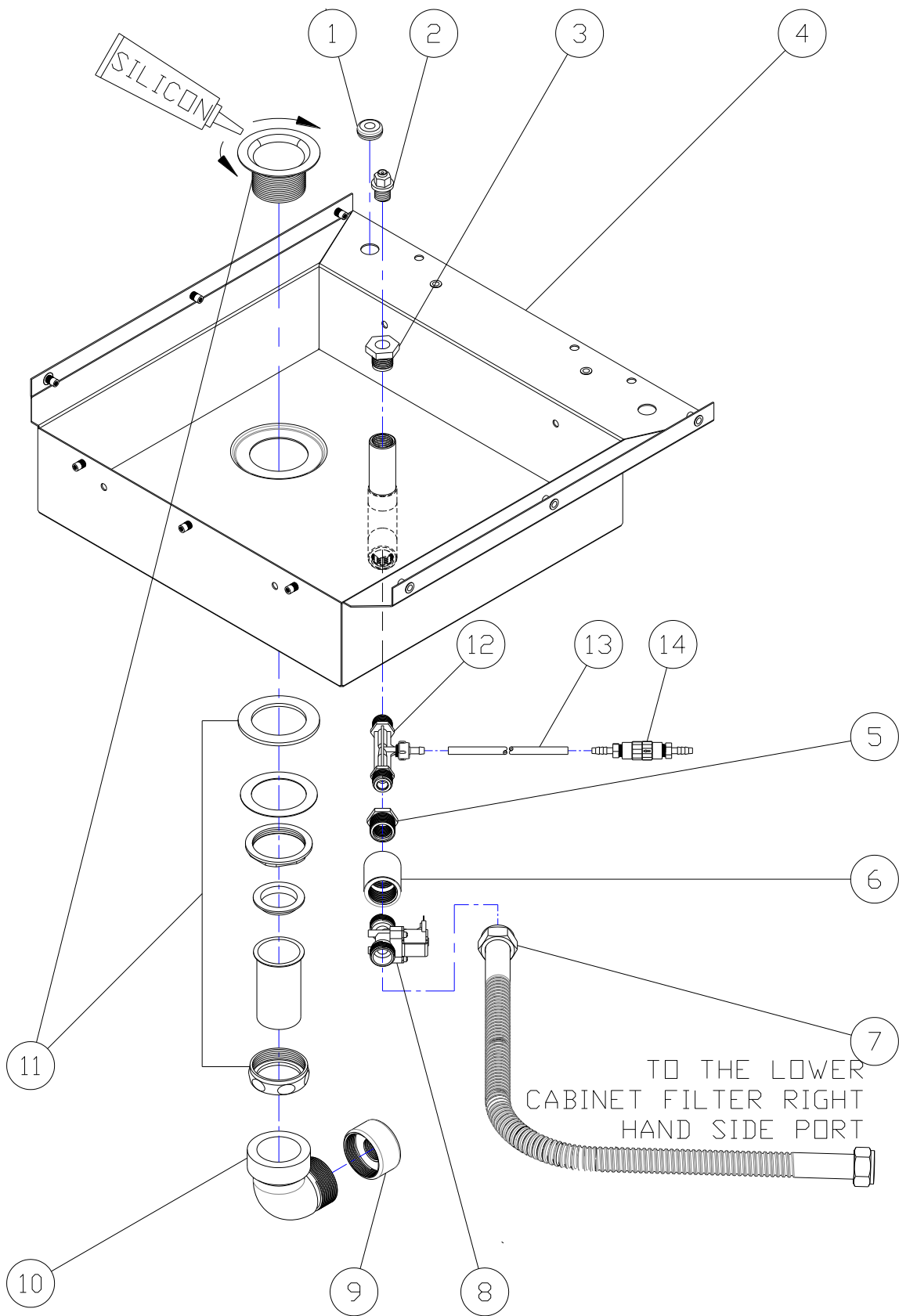
2. 096046, Exploded Parts List Dispenser Top Stand Assembly



3. 096047, Exploded Parts List Ozone Rinse Assembly, BFDSA-1

Item #	Part #	Description	Qty
1	080181	Grommet, 3/8ID, 5/8" Hole, Black	1
2	080303	1/4 HH-KYC Full Jet Nozzle	1
3	034113	Pipe Bushing, Nylon, 1/2" MPT x 1/4" FPT	1
4	330526	PN Tray, Clinch Nut, Single Dispenser, S8	1
5	034098	Reducer Bushing, 3/4" MPT x 1/2 FPT, Poly	1
6	036016	Coupling, Full, SS, 3/4"FPT	1
7	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24"L	1
8	060106	Valve, Sol, 3/4 MPT BE, 24VDC, Poly	1
9	034106	Bushing Reduction, ABS, 1 1/2" x 3/4"	1
10	034101	Elbow 90, 1-1/2" ABS x 1-1/2" Drain	1
11	080223	Drain Bulkhead, SS, 1-1/2"	1
12	080336	Injector, Mazzei, 287 Kynar, 1/2 MPT	1
13	080377	Tubing, DVC, 5/16" OD x 3/16" ID	1
14	080339	Valve, Check, 3/8FPT BE	1

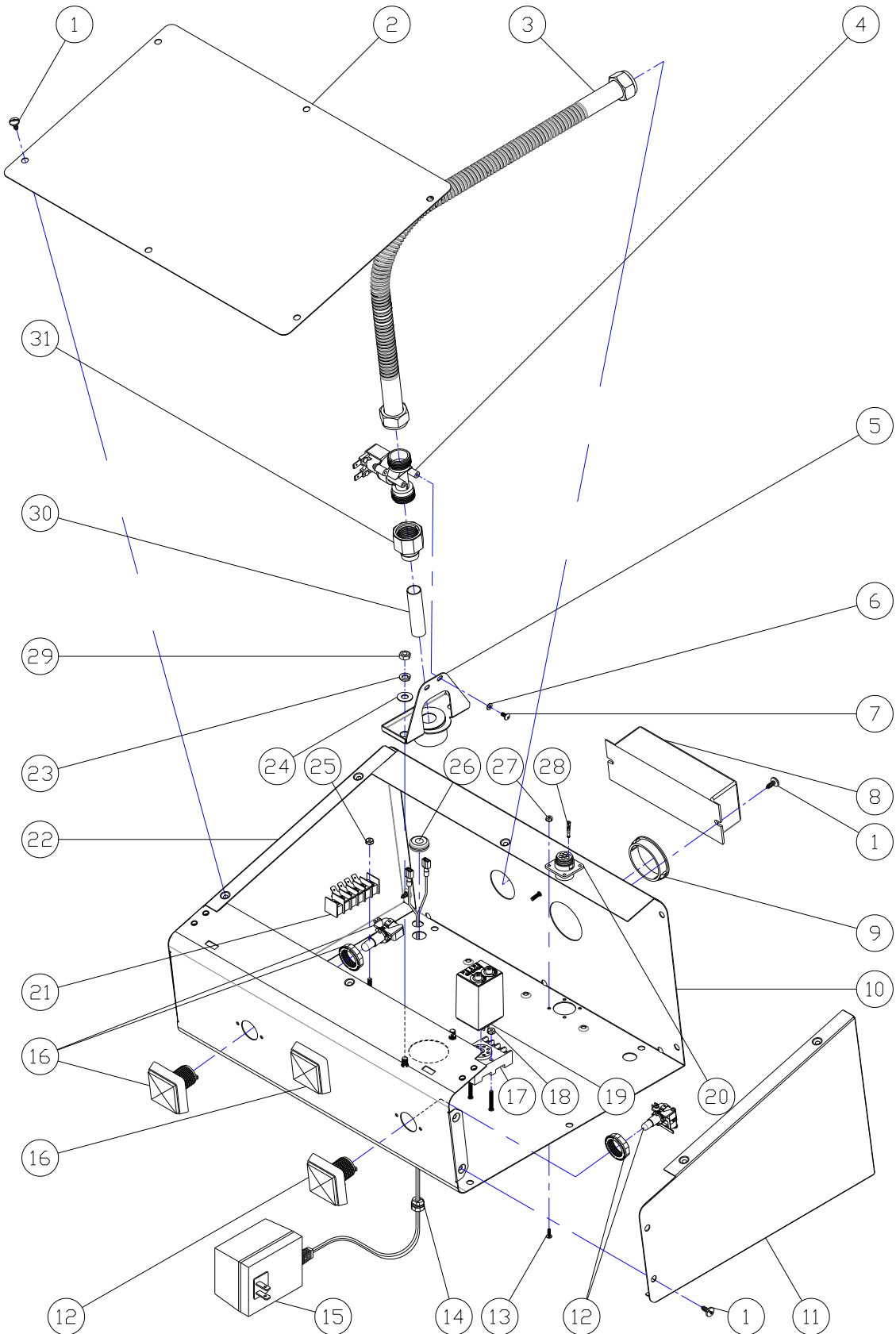
3. 096047, Exploded Parts List Ozone Rinse Assembly, BFDSA-1



4. 096048, Exploded Parts List Dispenser Head Assembly, BFDSA-1

Item#	Part#	Description	Qty
1	012017	Screw, Machine, SS, #8-32 X 3/8" Truss Head/Socket	16
2	330510	Cover, Top, Single Dispenser, S7	1
3	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24" Long	1
4	060106	Solenoid Valve, 24VDC, 3/4" BSP Male Threads w/Inlet Filter	1
5	330516	Spout Mount Bracket WA, 5/8"OD Tube, S6 & 7	1
6	018014	Washer, Flat, 0.172"ID X 3/8"OD, 20ga, SS	2
7	012017	Screw, Machine, SS, #8-32UNC X 3/8" Truss Head/Socket	2
8	080440	Ballast (Part Of The 80370 Kit)	1
9	054040	Bushing, Snap, Plastic, 2" Hole	1
10	330459	Single Head, Studded	1
11	330509	End, LH, Top Dispenser W/Clinch Nut, S7	1
12	330454	Microswitch & Switch Assembly, Dispenser	1
13	012019	Screw, Machine, Plated, #4-40UNC X 1/2" Round/Socket	2
14	054003	Strain Relief, 4N5	1
15	330286	Transformer Assembly, 24VDC, 1A, F250	1
16	060103	Switch, Push-Button, Blue, Square, Lite W/#400 Bulb	2
17	060102	Base, 8 Pin, Timer Terminal	1
18	026002	Nut, Kep, Plated, #6-32UNC	2
19	060101	Timer, 24VAC, 10AMP, 8PIN, DPDT	1
20	060044	Receptacle, 7 Pin, Circular	1
21	060072	Terminal Block, 4 X 4 F250 Double Tab	1
22	330508	End, RH, Top Dispenser W/Clinch Nut, S7	1
23	024000	Washer, Lock, SS, Helicoil, 1/4"	2
24	018004	Washer, Flat, 5/16"ID X 11/16"OD, 20ga, SS	2
25	026001	Nut, Kep, Plated, #8-32UNC	2
26	080181	Grommet, 3/8"ID, 5/8"Hole, Black	1
27	026003	Nut, Kep, Plated, #4-40UNC	2
28	060017	Pin, Female, Circular	2
29	025000	Nut, Hex, SS, 1/4"-20UNC	2
30	330514	Flow Nozzle WA, 5/8"OD X 2-1/2", S6 & 7	
31	034148	Nut, Cone & Ring Set, 5/8"OD Tube	1

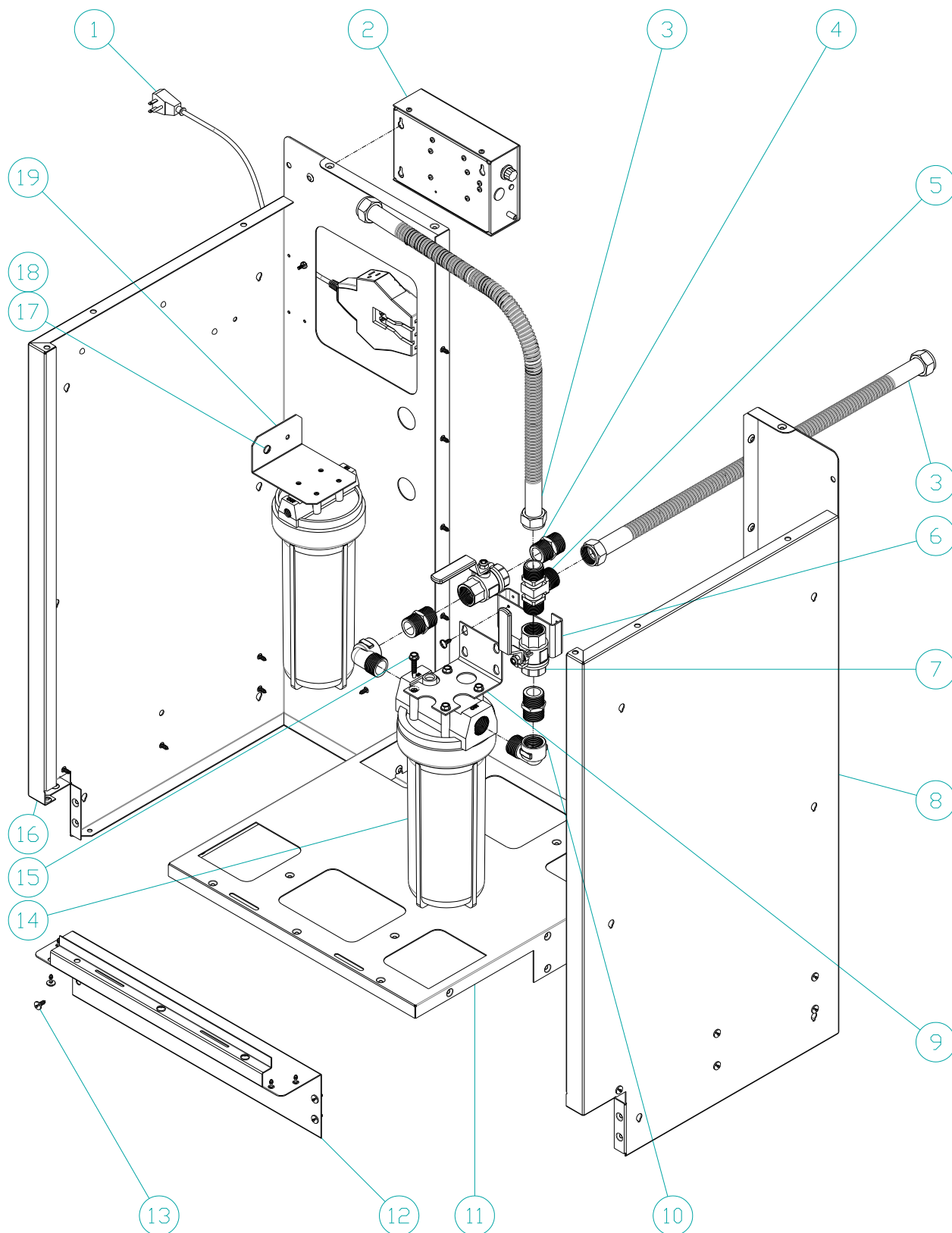
4. 096048, Exploded Parts List Dispenser Head Assembly



5. 096050, Exploded Parts List Plumbing, Filter, Dryer Kit Single Dispenser, BFDSA-1

Item #	Part #	Description	Qty
1	060156	Surge Protector, 8 Outlet, 1330 J, 8' Cord	1
2	080337	Generator, Ozone, Poseidon, 12VDC	1
3	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24L	2
4	030017	Nipple, Hex, 3/4"MPT, BE	3
5	F052	Qest Tee 3/4" Thread, 5/8" OD	1
6	330495	Filter Wall Mount Bracket, Clinch Nut	1
7	030009	Valve, Ball, 3/4"FPT, Full Flow Stainless Steel	2
8	330476	Side, LH, Clinch Nut, Lower Cabinet, Single Dispenser	1
9	331168	Filter- Bracket 10"	1
10	030016	Elbow, 90 Degree, 3/4"FPT X 3/4"MPT	2
11	330478	Shelf, Clinch Nut, Lower Cabinet, Single Dispenser	1
12	330413	Kick Plate, Lower Cabinet, Single Dispenser	1
13	012017	Screw, Machine, SS, #8-32UNC X 3/8" Trs Hd/SK	38
14	F452	Filter- Housing 10" Blue, 3/4" FPT	1
15	010011	Screw, Tek, 410 SS, 1/4"-14 X 1.25" HWH	4
16	330477	Side, RH, Clinch Nut, Lower Cabinet, Single Dispenser	1
17	012010	Screw, Machine, SS, #10-24UNC X 1/2"	2
18	026000	Nut, Kep, Plated, #10-24UNC	2
19	080340	DI Dryer Housing, Cartridge,5",3/8FPT W/PR	1
not shown			
	F456	Cartridge, Charcoal, Rad Flow,5mic,10"(for Item#8)	
	080342	Silica Gel, Ozone System (for Item #14)	

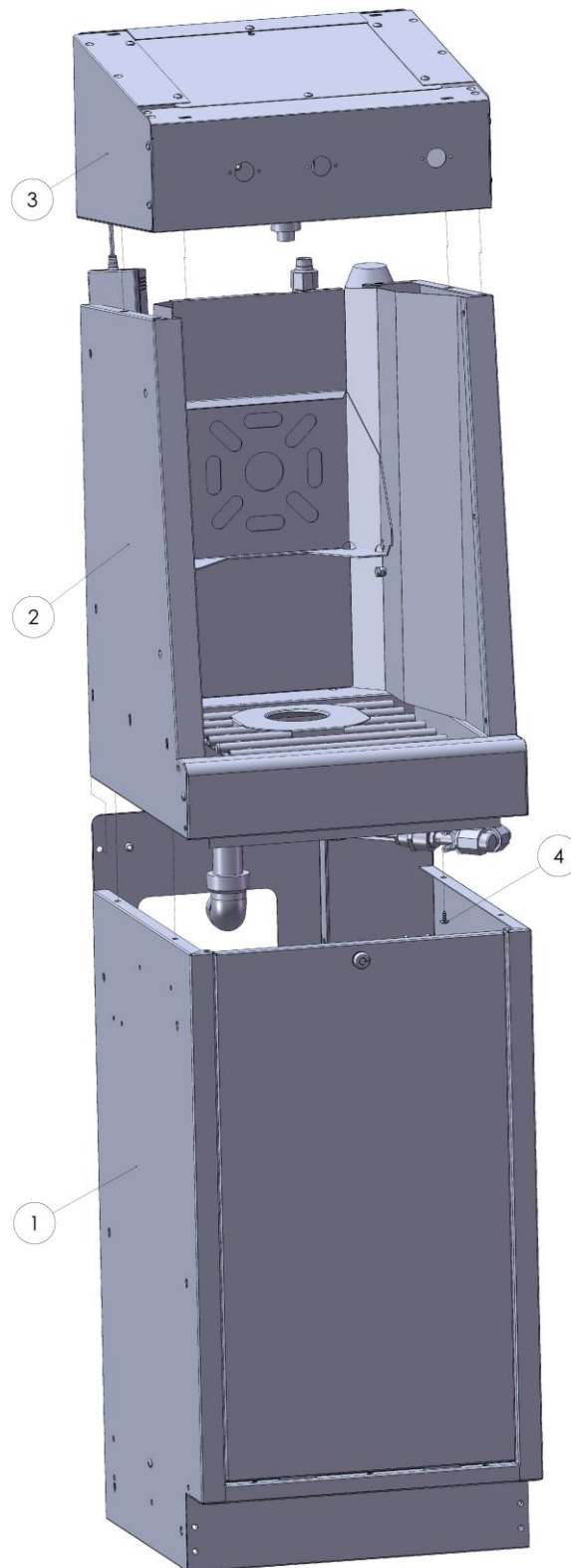
5. 096050, Exploded Parts List Plumbing, Filter, Dryer Kit Single Dispenser, BFDSA-1



6. 096051, Exploded Parts List Single Dispenser Assembly, BFDSA-1

Item #	Part #	Description	Qty
1	330440	Dispenser Lower Cabinet Assembly	1
2	330441	Dispenser Top Stand Assembly	1
3	330442	Dispenser Head Assembly	1
4	012017	Screw, Mach, SS, #8-32 X 3/8" Trs HD/SK	29

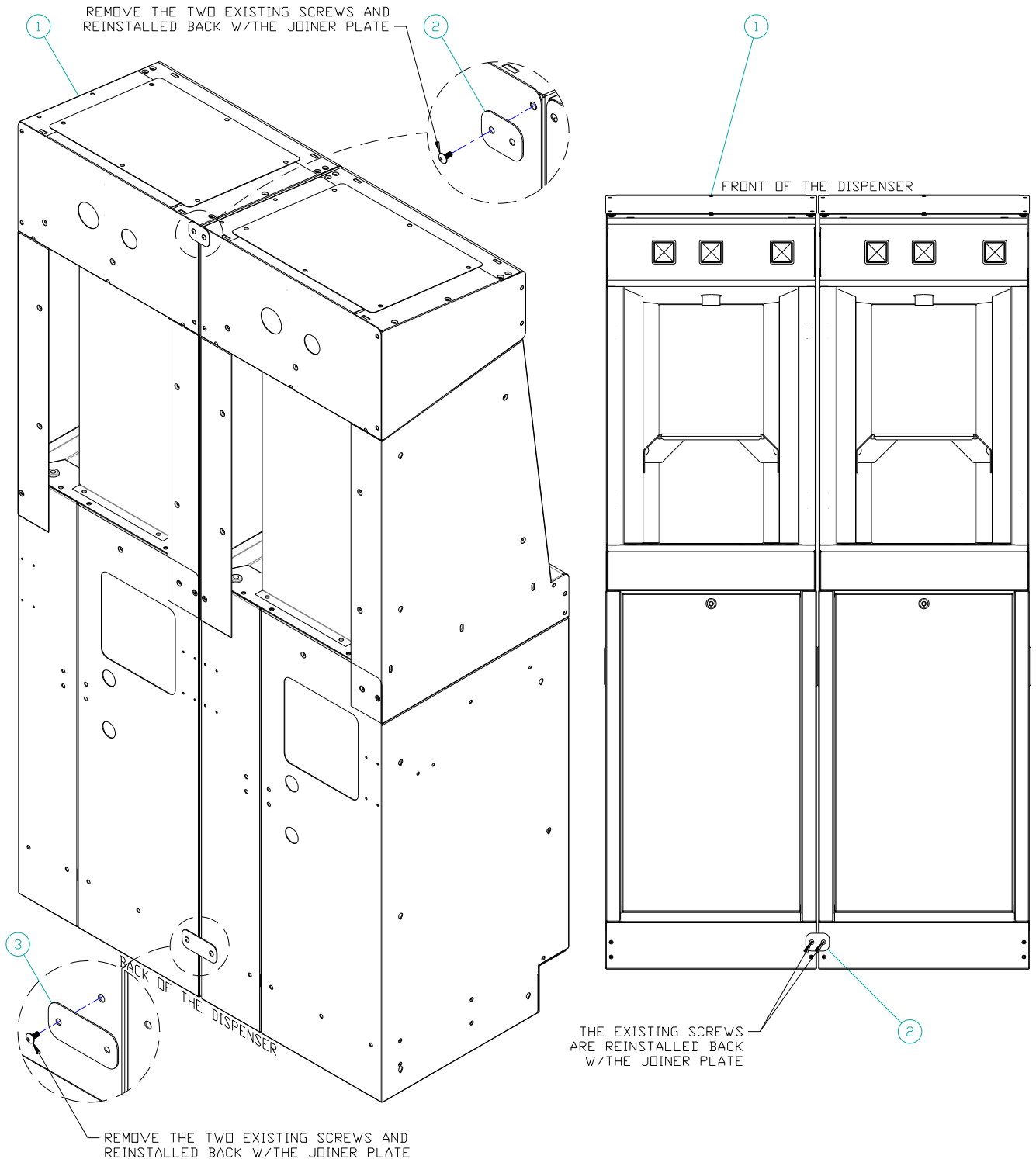
6. 096051, Exploded Parts List Single Dispenser Assembly, BFDSA-1



7. 096065, Exploded Parts List Dual Dispenser Assembly, BFDSA-2

Item #	Part #	Description	Qty
1	330024	Base Unit, Single Dispenser, Series 7	1
2	330521	Joiner Plate, 1" X 2", Dual Dispenser	2
3	330522	Joiner Plate, 1" X 2-3/8", Dual Dispenser	1

7. 096065, Exploded Parts List Dual Dispenser Assembly, BFDSA-2

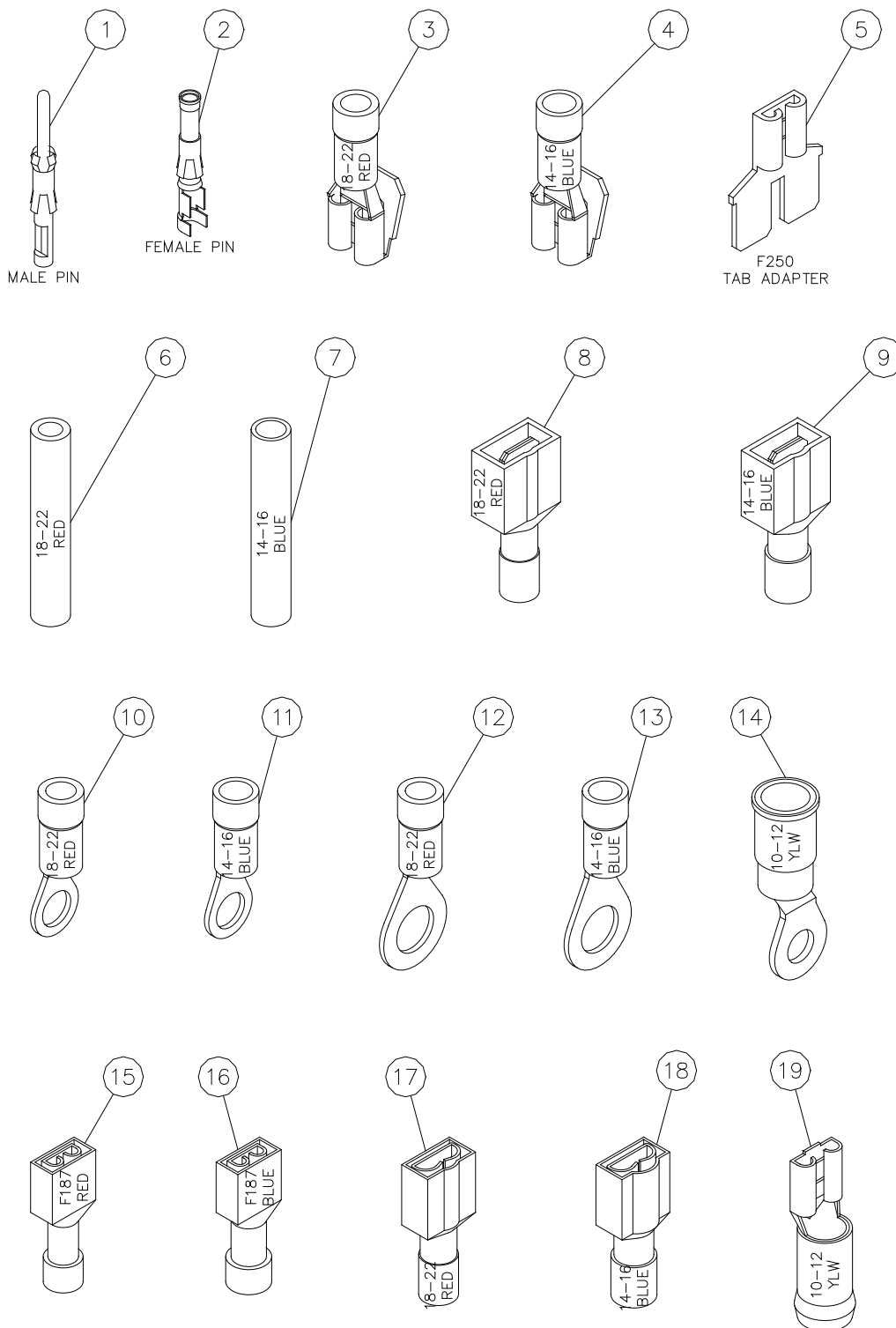


8. **094109, Exploded Parts List**

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

8. 094109, Exploded Parts List Electrical Terminals



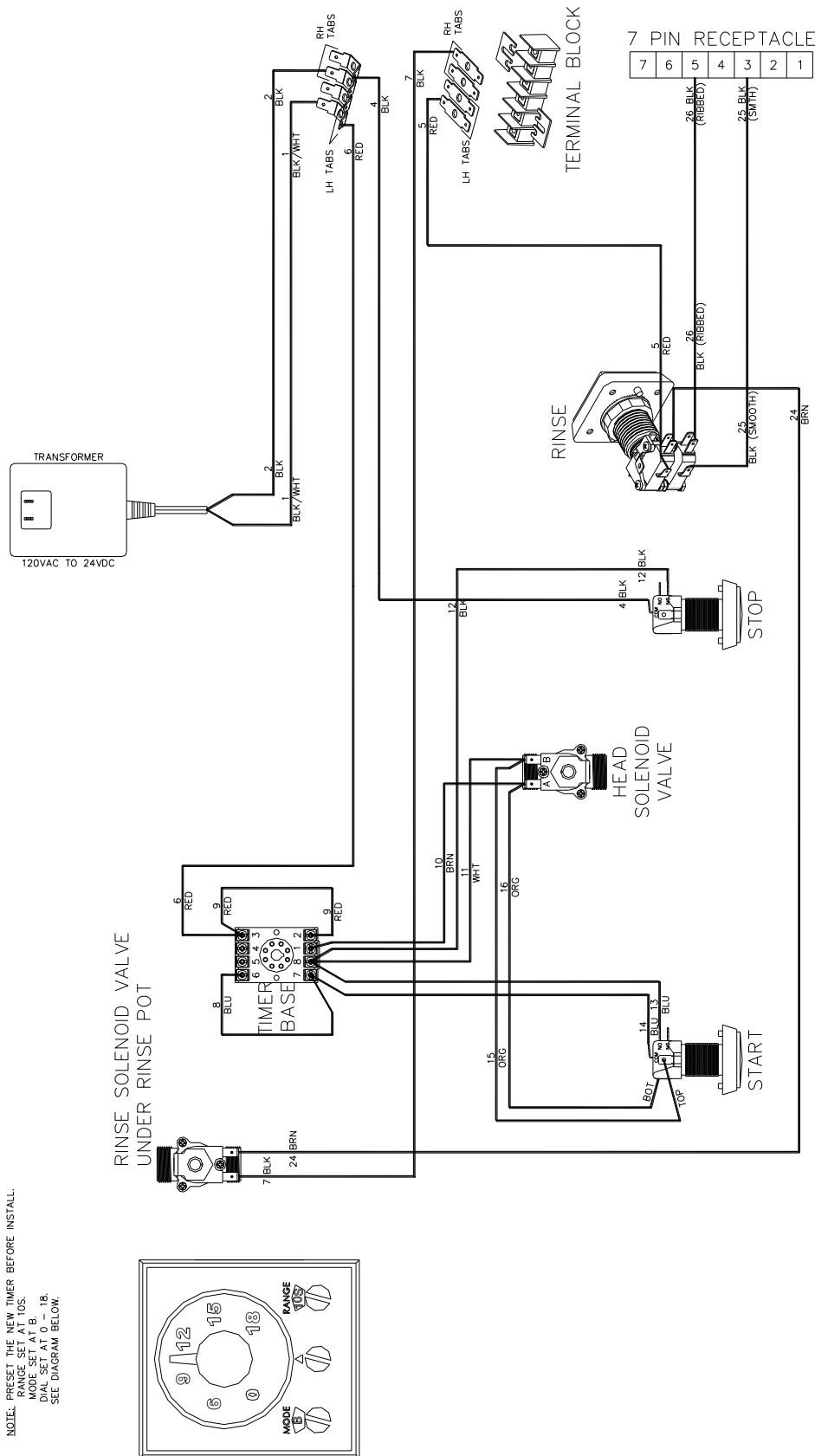
9. Wiring List 330443

Wiring List - PURELY NATURAL SINGLE DISPENSER, BFDSA-1 PART # 330443B							
No.	Part#	Color	Ga Length	From Conn.	SERIES 7 ToConn.	From Location	To Location
1	330286	BLK/WHT	18 FULL 72"	PLUG	F250 #18-#22	TRANSFORMER	TERMINAL BLOCK (LH TAB)
2	330296	BLK	18 FULL 72"	PLUG	F250 #18-#22	TRANSFORMER	TERMINAL BLOCK (RH TAB)
4		BLK	16 12"	F250 #14-#16	F250 #14-#16	TERMINAL BLOCK (LH TAB)	STOP SWITCH COM
5		RED	16 20"	F250 #14-#16	F250 #14-#16	TERMINAL BLOCK (LH TAB)	RINSE SWITCH WHITE COM
6		RED	16 14	F250 #14-#16	BARE	TERMINAL BLOCK (LH TAB)	TIMER BASE 3
7	330523	BLK	16 72"	F250 #14-#16	F250 #14-#16	TERMINAL BLOCK (RH TAB)	RINSE SOLENOID VALVE
8		BLU	16 8"	BARE	BARE	TIMER BASE 6	TIMER BASE 7
9		RED	16 8"	BARE	BARE	TIMER BASE 2	TIMER BASE 3
10		BRN	16 14"	BARE	PIGG #14-#16	TIMER BASE 1	HEAD SOLENOID VALVE A
11		WHT	16 14"	BARE	PIGG #14-#16	TIMER BASE 8	HEAD SOLENOID VALVE B
12		BLK	16 10"	BARE	F250 #14-#16	TIMER BASE 8	STOP SWITCH NC
13		BLU	16 12"	BARE	F250 #14-#16	TIMER BASE 8	START SWITCH NO
14		BLU	16 12"	BARE	F250 #14-#16	TIMER BASE 7	START SWITCH COM
15		ORG	16 9"	F250 #14-#16	F250 #14-#16	HEAD SOLENOID B	START SWITCH LIGHT TOP TAB
16		ORG	16 9"	F250 #14-#16	F250 #14-#16	HEAD SOLENOID A	START SWITCH LIGHT BOTTOM TAB
24	330523	BRN	16 72"	F250 #14-#16	F250 #14-#16	RINSE SWITCH WHITE NO	RINSE SOLENOID VALVE
25	330517	BLK	18 20"	F187 #18-#22	FEMALE PIN	RINSE SWITCH BLACK COM	7 PIN RECEPTACLE #3 (SMOOTH WIRE)
26	330517	BLK	18 20"	F187 #18-#22	FEMALE PIN	RINSE SWITCH BLACK NO	7 PIN RECEPTACLE #5 (RIBBED WIRE)

NOTES: 1. #1 & #2 WIRES ARE ATTACHED TO THE TRANSFORMER.

2. #7 & #24 AND #25 & #26 WIRES ARE 2 CONDUCTOR WIRES #18-2 BLACK (RIBBED & SMOOTH WIRES).

9. 330443 Wiring Diagram Schematic, Single Dispenser BFD5A-1



10. Wiring List 330520

Ozone Generator, Single & Dual Units

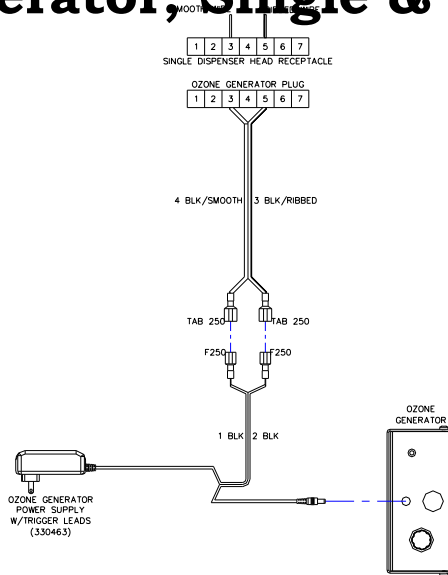
Wiring List - PURELY NATURAL SINGLE DISPENSER, OZONE GENERATOR PART # 330520

				SERIES 7			
No. Part#	Color	Ga	Length	From Conn.	To Conn.	From Location	To Location
1 330463	BLK	18	FULL	F250 #18-#22	TAB 250 # 18-#22	OZONE GENERATOR	7 PIN CIRCULAR PLUG SMOOTH WIRE X 6"
2 330463	BLK	18	FULL	F250 #18-#22	TAB 250 # 18-#22	OZONE GENERATOR	7 PIN CIRCULAR PLUG RIBBED WIRE X 6"
3 330518	BLK	18	6"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG #5	7 PIN RECEPTACLE #5
4 330518	BLK	18	6"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG #3	7 PIN RECEPTACLE #3

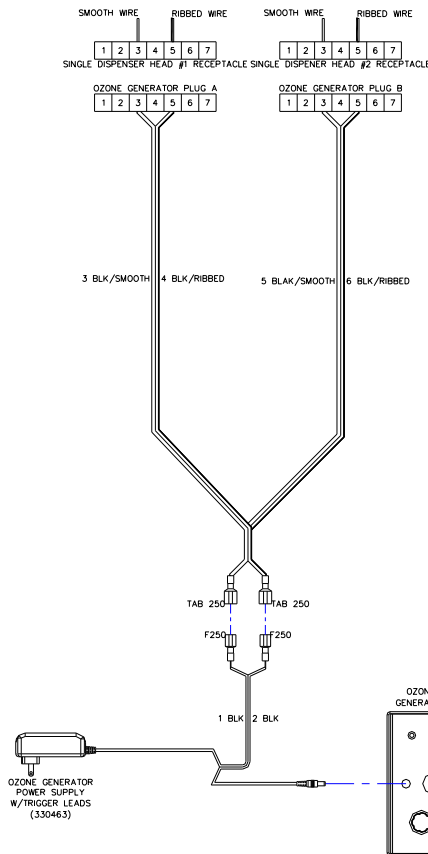
Wiring List - PURELY NATURAL DUAL DISPENSER, OZONE GENERATOR PART # 330520

				SERIES 7			
No. Part#	Color	Ga	Length	From Conn.	To Conn.	From Location	To Location
1 330463	BLK	18	FULL	F250 #18-#22	TAB 250 # 14-#16	OZONE GENERATOR	7 PIN CIRCULAR PLUG SMOOTH WIRE X 15"
2 330463	BLK	18	FULL	F250 #18-#22	TAB 250 # 14-#16	OZONE GENERATOR	7 PIN CIRCULAR PLUG RIBBED WIRE X 15"
3 330519	BLK	18	15"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG A #3 SMOOTH WIRE	HEAD #1 7 PIN RECEPTACLE #3
4 330519	BLK	18	15"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG A #5 RIBBED WIRE	HEAD #1 7 PIN RECEPTACLE #5
5 330519	BLK	18	15"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG B #3 SMOOTH WIRE	HEAD #2 7 PIN RECEPTACLE #3
6 330519	BLK	18	15"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG B #5 RIBBED WIRE	HEAD #2 7 PIN RECEPTACLE #5

10. 330520 Wiring Diagram Schematic, Ozone Generator, Single & Dual Units



SINGLE DISPENSER OZONE GENERATOR WIRING DIAGRAM



DUAL DISPENSER OZONE GENERATOR WIRING DIAGRAM