

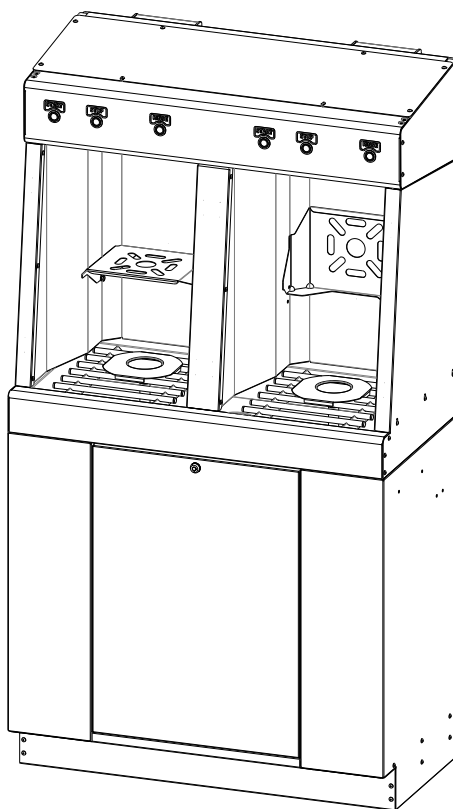


REPLACEMENT PARTS MANUAL

FOR MODEL: **PNW BFDSA-2 (24VDC)**,

PART # 330017

SERIES 0012



PRECISION WATER SYSTEMS SEMI-AUTOMATIC DOUBLE DISPENSER

MANUFACTURED BY:

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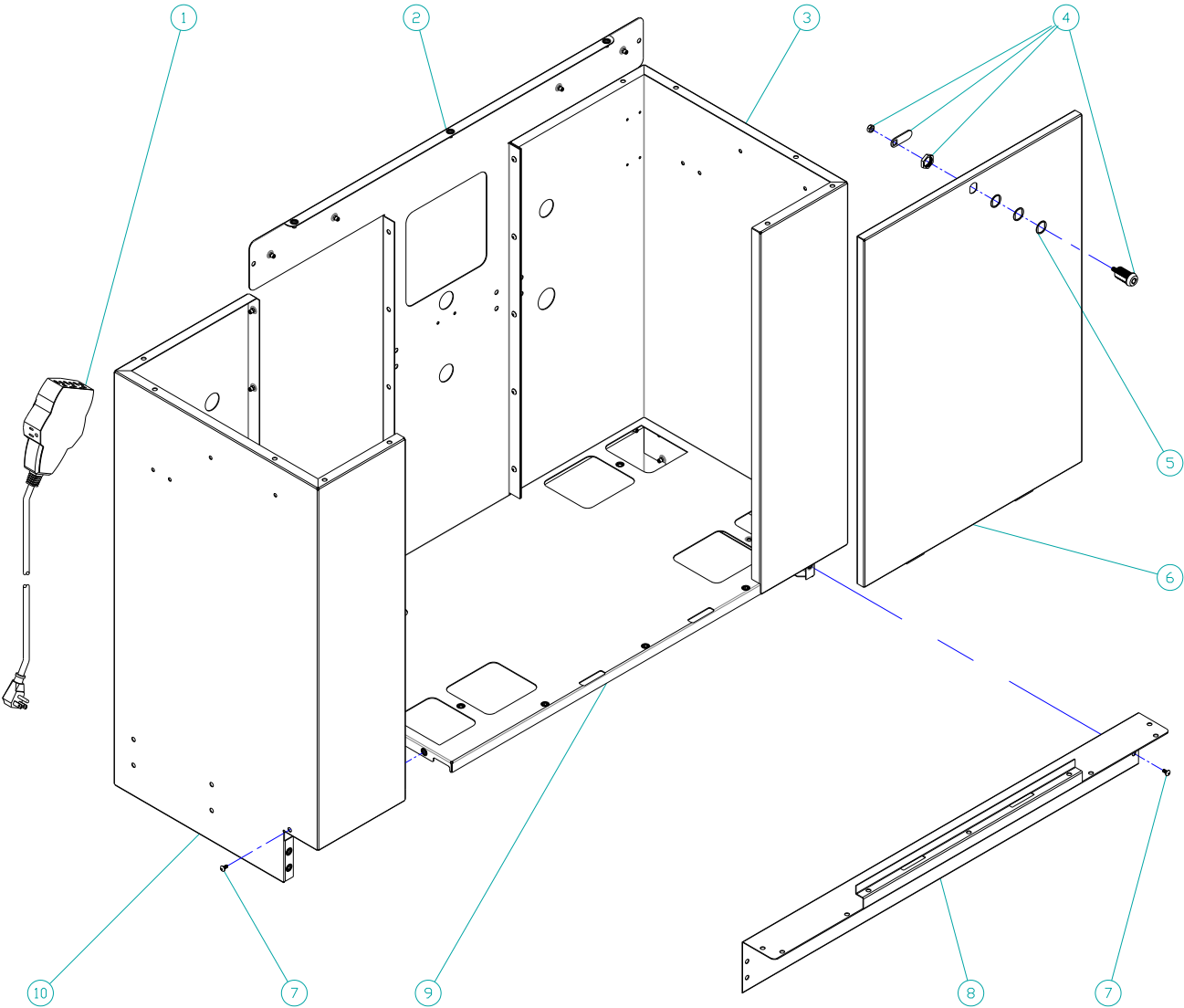
1. 093003, Exploded Parts List

Double Dispenser Lower Cabinet Assembly

Item #	Part #	Description	Qty
1	330538	Adhesive 8 Outlet Power Bar, 6FT Cord	1
2	330470	Back, Clinch Nut, Lower Cabinet, Double Dispenser	
3	330471	Side, RH, Lower Cabinet, Clinch Nut, Double Dispenser	1
4	080244	Lock, Cylinder, Camlock, W/Key	1
	330461	Modified Latch Arm, Door Lock	Ref.
5	330042	Washer, 0.75DD X 0.875, 20 Gauge SS	3
6	330423	Door, Lower Cabinet, Double Dispenser	1
7	012017	Screw, Machine, SS, #8-32UNC X 3/8" Truss Head/Sk	42
8	330429	Kick Plate, Lower Cabinet, Double Dispenser	1
9	330474	Shelf, Clinch Nut, Lower Cabinet, Double Dispenser	1
10	330475	Side, LH, Clinch Nut, Lower Cabinet, Double Dispenser	1

1. 093003, Exploded Parts List

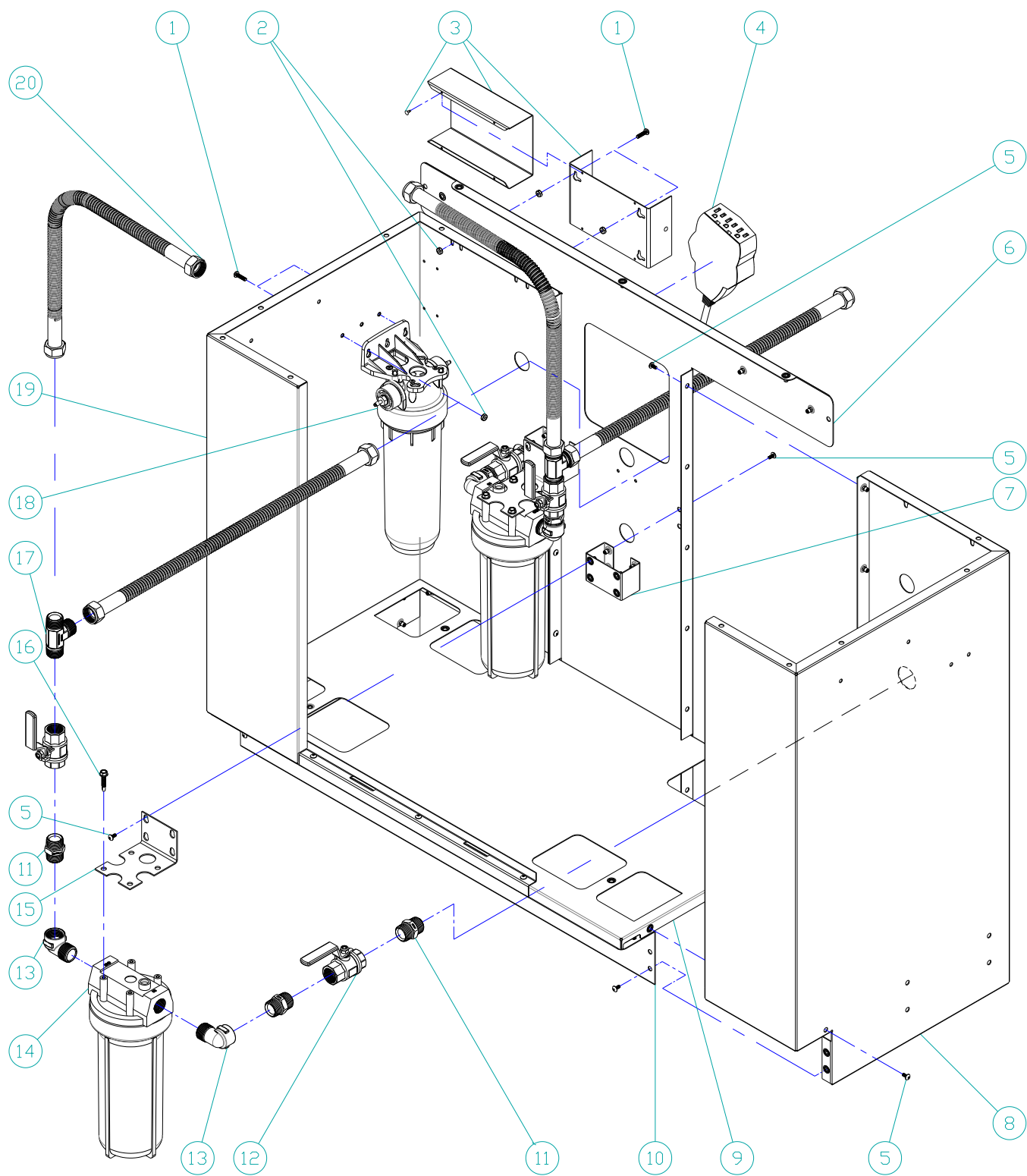
Double Dispenser Lower Cabinet Assembly



2. 093010, Exploded Parts List Plumbing, Filter, Dryer Kit Double Dispenser, BFDSA-2

Item #	Part #	Description	Qty
1	012011	Screw, Machine, SS, #10-24UNC X 3/4"	4
2	026004	Nut, Kep, SS, #10-24UNC	6
3	080337	Generator, Ozone, Poseidon, 12VDC	1
4	330538	Adhesive 8 Outlet Power Bar, 6FT Cord	1
5	012017	Screw, Machine, SS, #8-32UNC X 3/8" Trs Hd/SK	58
6	330470	Back, Lower Cabinet, Double Dispenser, Clinch Nut	1
7	330495	Filter Wall Mount Bracket, Clinch Nut	2
8	330471	Side, RH, Clinch Nut, Lower Cabinet, Double Dispenser	1
9	330474	Shelf, Clinch Nut, Lower Cabinet, Double Dispenser	1
10	330429	Kick Plate, Lower Cabinet, Double Dispenser	1
11	030017	Nipple, Hex, 3/4"-14MPT, BE	6
12	030009	Valve, Ball, 3/4"FPT, Full Flow Stainless Steel	4
13	030016	Elbow, 90 Degree, 3/4"-14FPT X 3/4"-14MPT	4
14	F452	Filter- Housing 10" Blue, 3/4" FPT	2
15	331168	Filter- Bracket 10"	2
16	010011	Screw, Tek, 410 SS, 1/4"-14 X 1.25" HWH	8
17	036036	Tee, SS, 3/4"-14MNPT	2
18	080340	DI Dryer Housing, Cartridge, 5", 3/8FPT W/PR	1
19	330475	Side, LH, Clinch Nut, Lower Cabinet, Double Dispenser	1
22	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24L	4
Not shown			
	F456	Cartridge, Charcoal, Rad Flow, 5mic, 10" for Item#17)	
	080342	Silica Gel, Ozone System (for Item #21)	

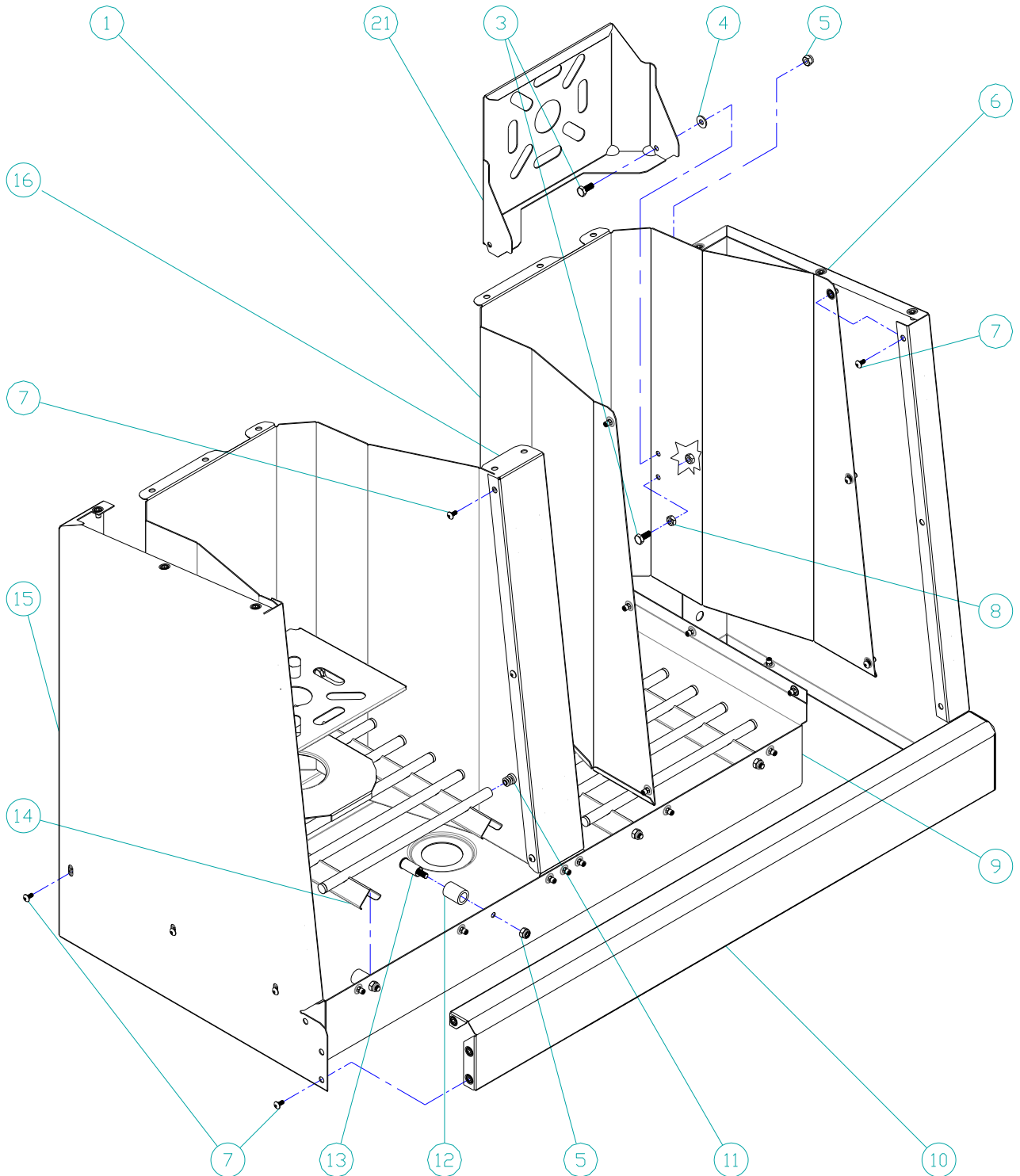
2. 093010, Exploded Parts List
Plumbing, Filter, Dryer Kit
Double Dispenser, BFDSA-2



3. 093007, Exploded Parts List Top Stand Assembly, Double Dispenser

Item #	Part #	Description	Qty
1	330465	Compartment Inner Wall, Clinch Nut	2
2	330419	1 Gallon Bottle Shelf, S7	2
3	014006	Capscrew, SS, ¼"-20UNC X 5/8"	8
4	054071	Washer,Blk Nylon,0.265"IDX0.625"ODX0 .06" T	4
5	025004	Nut, Nylock, SS, ¼"-20UNC	16
6	330473	Side, LH, Clinch Nut, Top Dispenser	1
7	012017	Screw, Machins, SS, #8-32 X 3/8" Trs Hd/Sk	35
8	025000	Nut, Hex, SS, ¼"-20UNC	8
9	330437	Tray, Clinch Nut, Double Dispenser	1
10	330469	Front Plate, Clinch Nut, Top Stand, Double Disp.	1
11	054032	Cap, ½"OD Tube, Black, LDPE	24
12	900198	Tube, Silicone, 1/2" ID x 1"	8
13	900197	Stub, WA, Grate Support	8
14	330427	Grate Welded Assembly, Dispenser	2
15	330472	Side, RH, Clinch Nut, Top Dispenser	1
16	330421	Compartment Divider, Double Dispenser	1

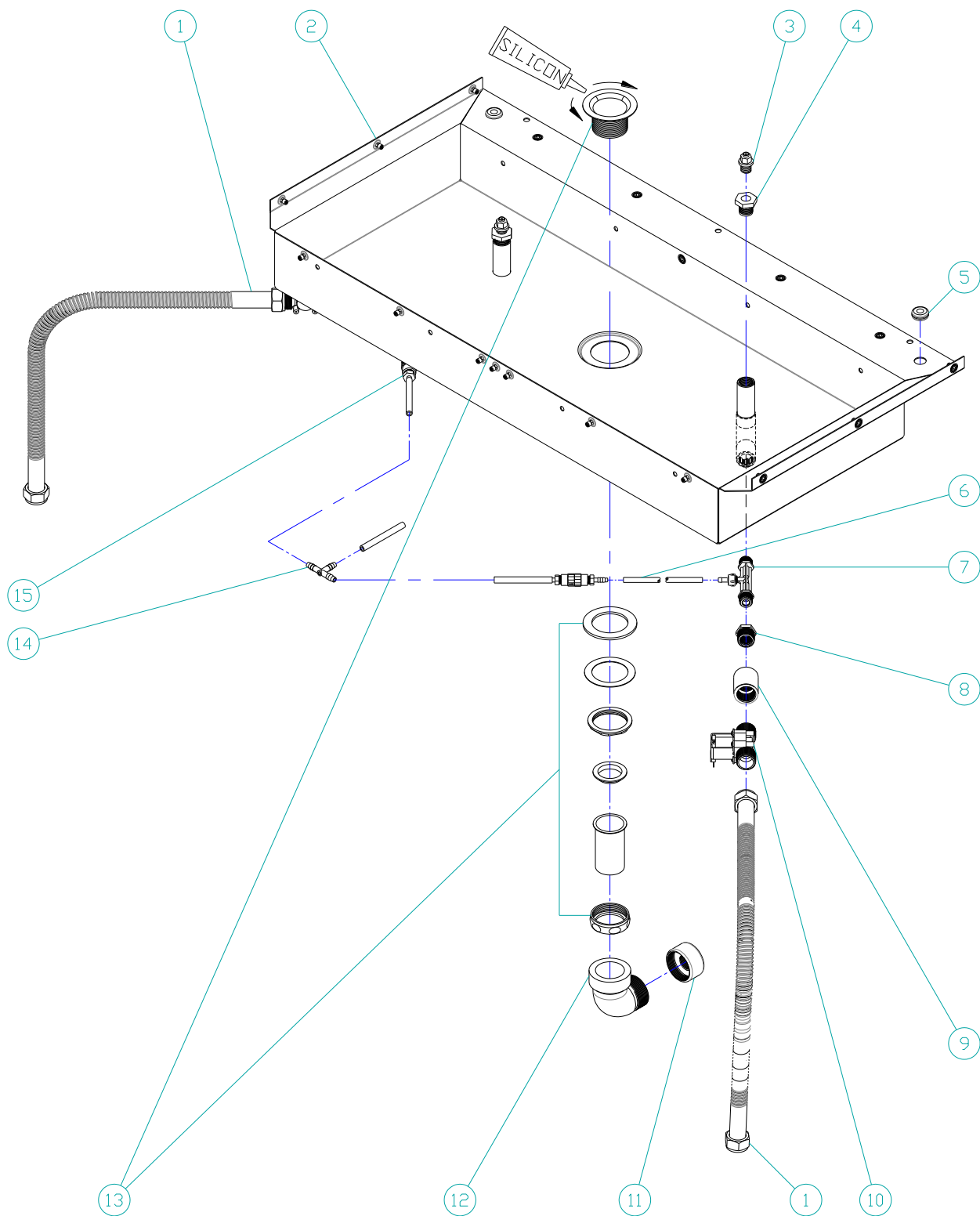
3. 097007, Exploded Parts List Top Stand Assembly, Double Dispenser



4. 093008, Exploded Parts List Ozone Rinse & Drain Assembly, BFDSA-2

Item #	Part #	Description	Qty
1	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24" L	2
2	330437	Tray WA W/Clinch Nuts. Double Dispenser	1
3	080303	1/4" HH-KYC Full Jet Nozzle	2
4	034113	Pipe Bushing, Nylon, 1/2" MPT X 1/4" FPT	2
5	080181	Grommet, 3/8 ID, 5/8" Hole, Black	2
6	080377	Tubing, PVC, 5/16" OB X 3/16"ID Part of Ozone Generator Kit #080337	1
7	080336	Injector, Mazzei, Venturi, 287 Poly, 1/2" MPT	2
8	034098	Reducer, Bushing, 3/4" MPT X 1/2" FPT	2
9	036016	Coupling, Full, SS, 3/4" FPT	2
10	060206	Valve, Solenoid, 4 Mount Holes, 24VDC, 3/4" BSPT BE2	2
11	034106	Bushing Reduction, ABS, 1-1/2" X 3/4"	1
12	034101	Elbow, 90, 1-1/2" ABS X 1-1/2" Drain	1
13	080223	Drain, Bulkhead, SS, 1-1/2"	1
14	080338	Tee, Kynar, 1/4" HB	1
15	080339	Valve, Check, 3/8" FPT BE One Comes W/Ozone Generator Kit #080337	1

4. 093008, Exploded Parts List **Ozone Rinse & Drain Assembly, BFDSA-2**



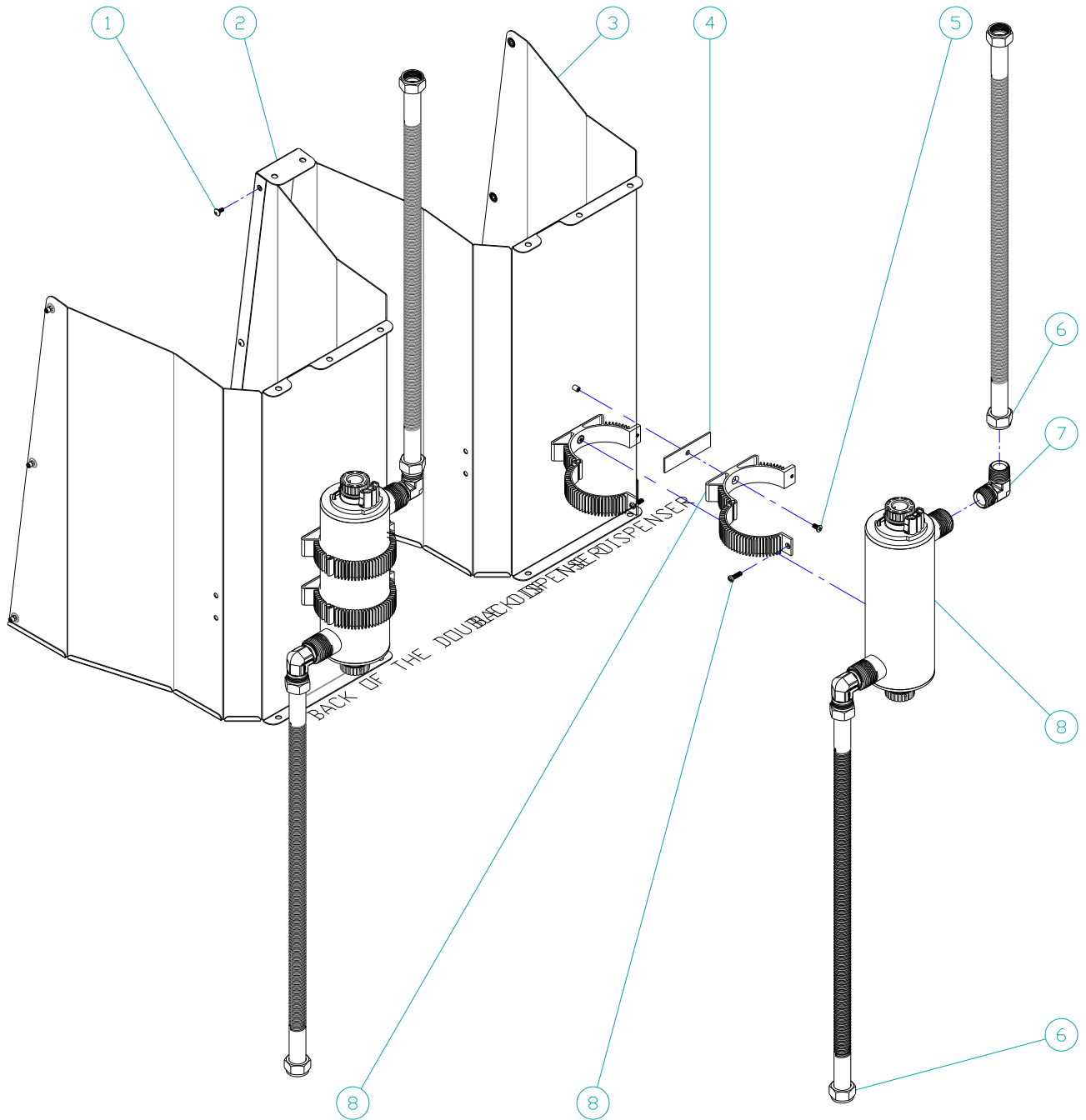
5. 093011, Exploded Parts List UV Light Assembly, Double Dispenser

Item #	Part #	Description	Qty
1	012017	Screw, Machine, SS, #8-32UNCX3/8" TRS HD/SK	6
2	330421	Compartment Divider, Double Dispenser	1
3	330465	Compartment Inner Wall, Clinch Nut	4
4	330527	Silicone Spacer, 7/8" X 3-1/4" X 0.079" Thick	4
5	012008	Screw, Machine, SS, #10-24UNC X 3/8" OH/PD	4
6	036028	Connector, SS, Flex, 3/4" X 3/4" FIP X 3/4" ID X 24"	4
7	036043	Elbow, SS, 3/4"-14MNPT Both Ends	4
8	080809	Viqua 5GPM Compact UV System	2

Replacement parts not shown

080830	Viqua Compact UV Bulb Assembly
080831	Viqua Compact UV Ballast
080832	Viqua Compact UV Mounting Bracket Assembly

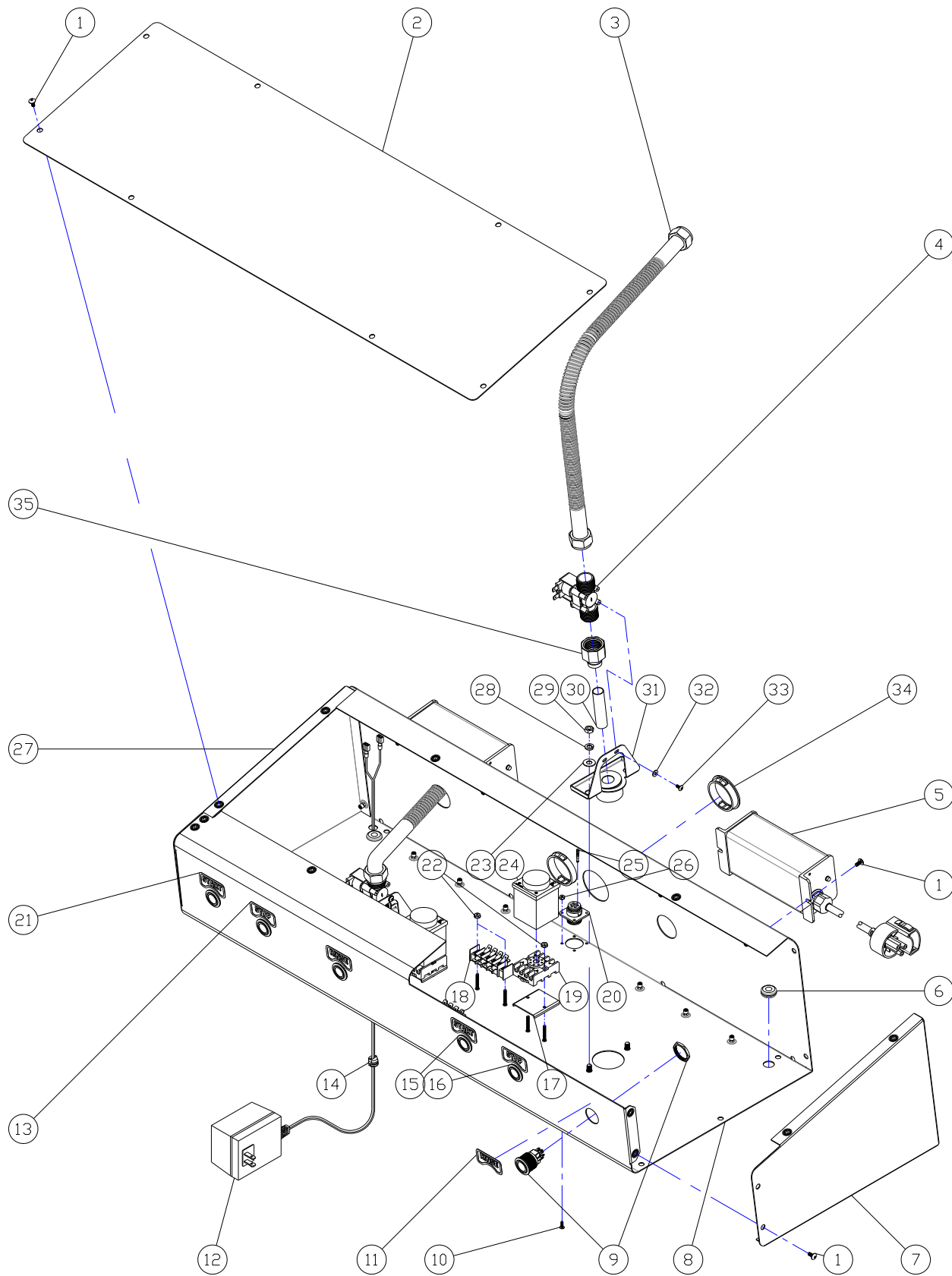
5. 093011, Exploded Parts List UV Light Assembly, Double Dispenser



5. 093009, Exploded Parts List Dispenser Head Assembly, BFDSA-2

Item#	Part#	Description	Qty
1	012017	Screw, Machine, SS, #8-32 X 3/8" Truss Head/Socket	20
2	330535	Cover, Top, Double Dispenser, S7	1
3	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24" Long	2
4	060206	Solenoid Valve, 4 Mount Hole, 24VDC, 3/4" BSPT Both Ends	2
5	080831	Viqua Compact UV Ballast (Part Of The #080809 Kit)	2
6	080181	Grommet, 3/8"ID, 5/8" Hole, Black	2
7	330509	End, LH, Top Dispenser W/Clinch Nut, S7	1
8	330534	Double Dispenser Head, Studded, S10	1
9	060205	DC24V Blue Angel Eye Momentary SS PB Switch, 25mm, Amber	2
10	012019	Screw, Machine, Plated, #4-40UNC X 1/2" Round/Socket	2
11	080843	Decal, Amber Rinse, Dispenser Head	2
12	330286	Transformer Assembly, 24VDC, 1A, F250	1
13	080842	Decal, Red Stop, Dispenser Head	2
14	054003	Strain Relief, 4N5	1
15	060209	DC24V Blue Angel Eye Momentary SS PB Switch, 25mm, Green	2
16	060208	DC24V Blue Angel Eye Momentary SS PB Switch, 25mm, Red	2
17	330546	Extension Channel, Timer Base, S12	2
18	520232	Terminal Block Assembly, 4 X 4 F250, Double	2
19	060226	Base, 8 Pin, Timer Terminal	2
20	060044	Receptacle, 7 Pin, Circular	1
21	080841	Decal, Green Start, Dispenser Head	2
22	026006	Nut, Kep, #18-8 SS, #6-32UNC	8
23	018004	Washer, Flat, 5/16"ID X 11/16" OD, 20ga, SS	4
24	060227	Timer, 24VAC, 5 AMP, 8PIN	2
25	060017	Pin, Female, Circular	2
26	026007	Nut, Kep, SS, #4-40UNC	2
27	330508	End, RH, Top Dispenser W/Clinch Nut, S7	1
28	024000	Washer, Lock, SS, Helicoil, 1/4"	4
29	025000	Nut, Hex, SS, 1/4"-20UNC	4
30	330514	Flow Nozzle WA, 5/8"OD X 2-1/2", S6 & 7	2
31	330529	Spout Mount Bracket WA, 5/8" OD Tube, S10	2
32	018014	Washer, Flat, 0.172"ID X 3/8" OD, 20ga, SS	4
33	010021	Screw, Sheet Metal, SS, #6 X 3/8", Truss Head/Phillips	4
34	054040	Bushing, Snap, Plastic, 2" Hole	2
35	034148	Nut, Cone & Ring Set, 5/8" OD Tube	2

6. 093009, Exploded Parts List **Dispenser Head Assembly, BFDSA-2**

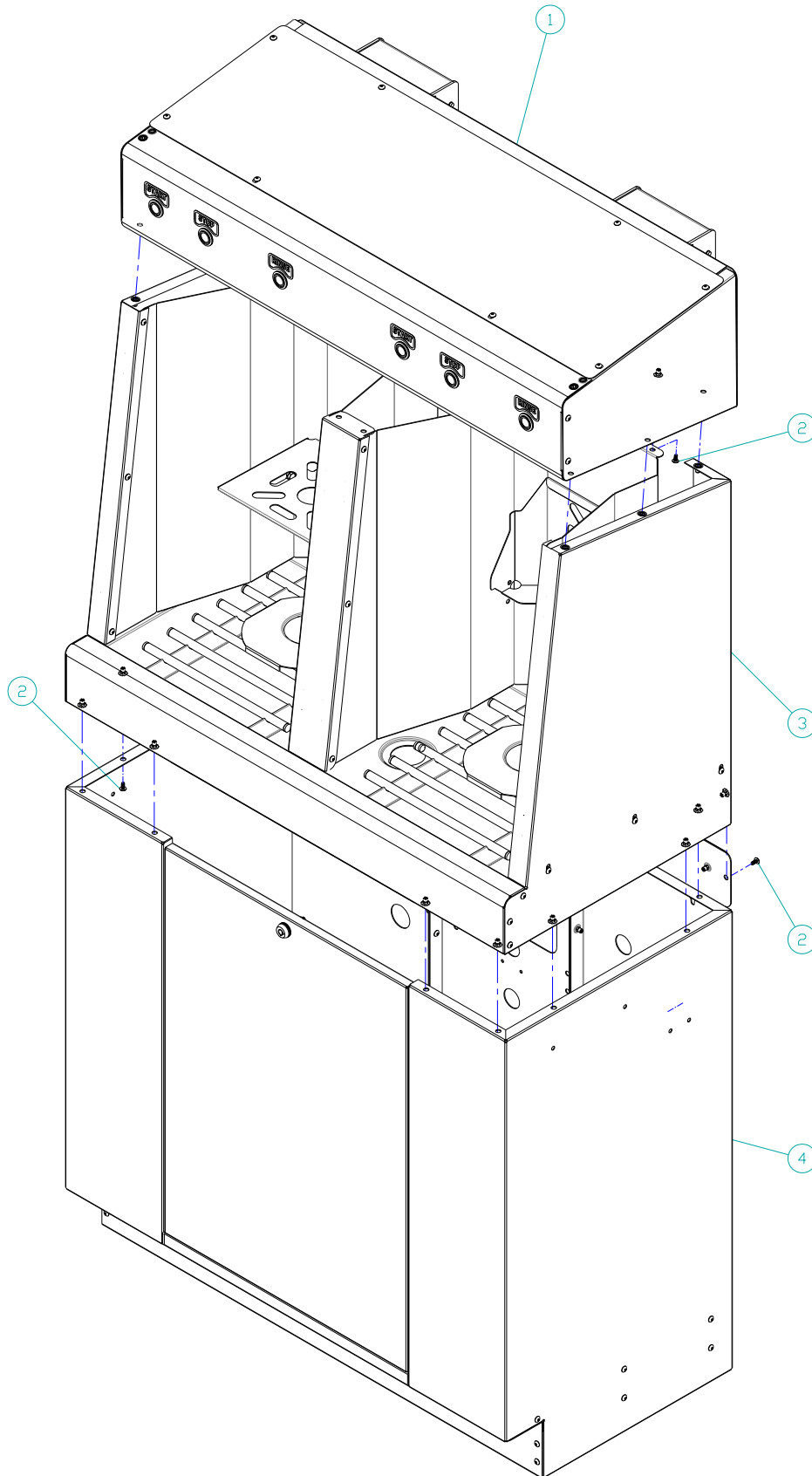


7. 093012, Exploded Parts List

Double Dispenser Assembly, BFDSA-2

Item #	Part #	Description	Qty
1	093009	Double Dispenser Head Assembly	Ref.
2	012017	Screw, Mach, SS, #8-32UNC X 3/8" Trs Hd/Sk	26
3	330445	Double Dispenser Top Stand Assembly	Ref.
4	093003	Double Dispenser Lower Cabinet Assembly	Ref.

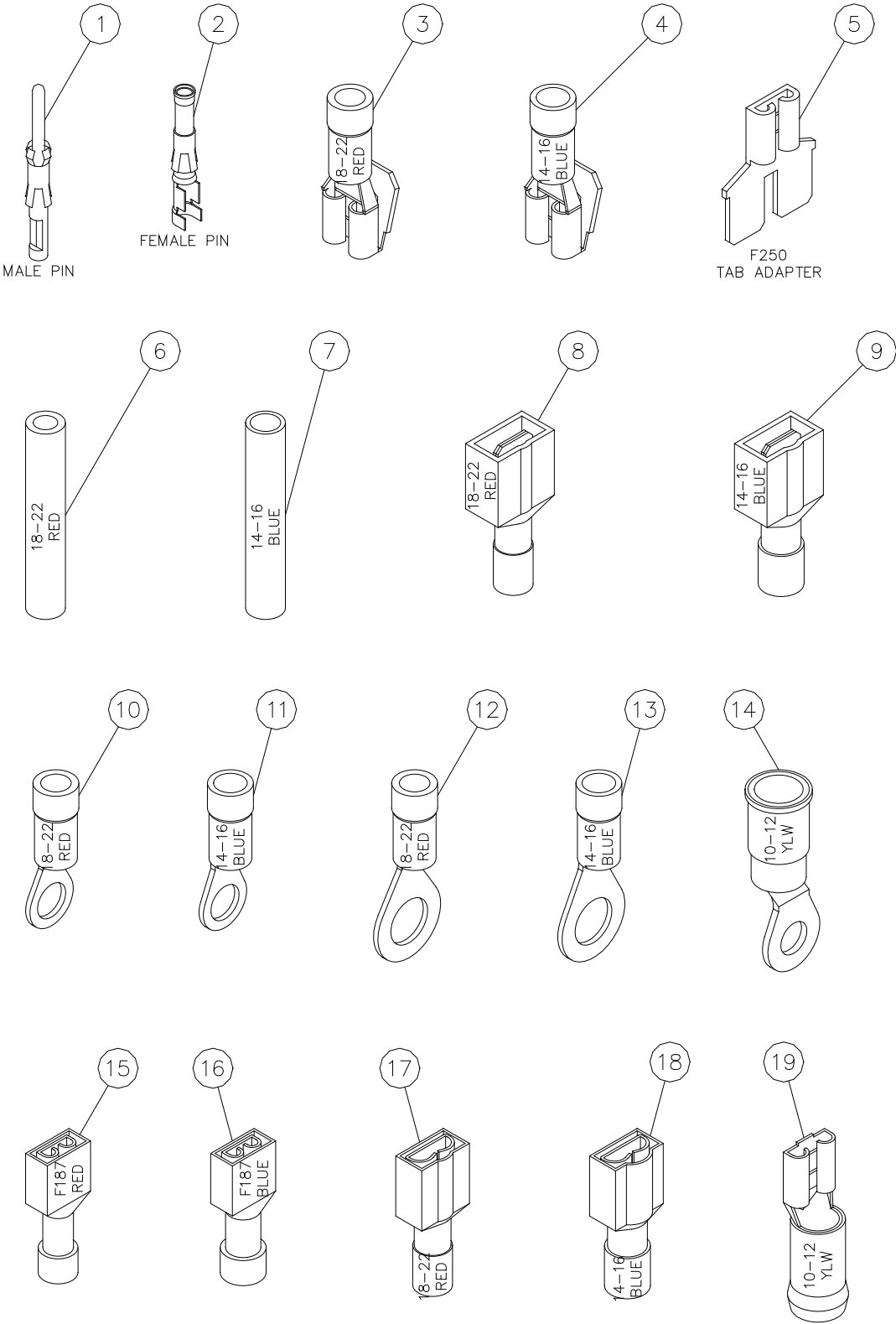
7. 093012, Exploded Parts List Double Dispenser Assembly, BFDSA-2



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

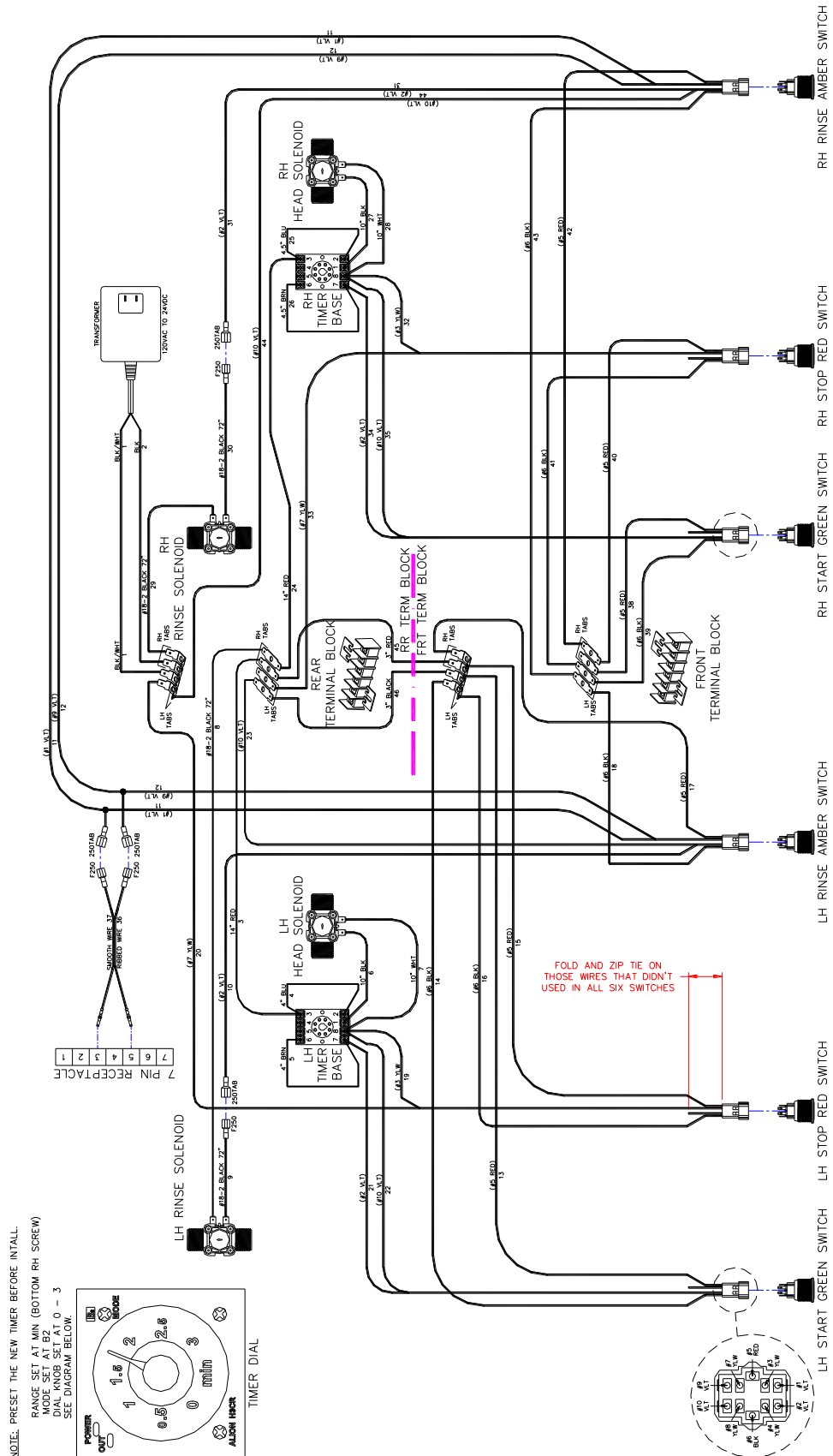
8. 094109, Exploded Parts List
Electrical Terminals



9. Wiring List 330447, DD Double Dispenser BFDSA-2

Wiring List - PURELY NATURAL DOUBLE DISPENSER, BFDSA-2 PART # 330447,DD							
No.	Part#	Color	Ga	Length	From Conn.	SERIES 10 To Conn.	From Location To Location
1	330286	BLK/WHT	18	FULL 72"	PLUG	F250 #18-#22	TRANSFORMER REAR TERMINAL BLOCK (LH TAB)
2	330286	BLK	18	FULL 72"	PLUG	F250 #18-#22	TRANSFORMER REAR TERMINAL BLOCK (RH TAB)
3	095284	RED	18	14"	F250 #18-#22	BARE	REAR TERMINAL BLOCK (RH TAB) LH TIMER BASE 3
4	095285	BLU	18	4"	BARE	BARE	LH TIMER BASE 2 LH TIMER BASE 3
5	095286	BRN	18	4"	BARE	BARE	LH TIMER BASE 6 LH TIMER BASE 7
6	095287	BLK	18	10"	BARE	F250 #18-#22	LH TIMER BASE 1 LH HEAD SOLENOID VALVE
7	095288	WHT	18	10"	BARE	F250 #18-#22	LH TIMER BASE 8 LH HEAD SOLENOID VALVE
8	330523	BLK	18	72"	F250 #18-#22	F250 #18-#22	REAR TERMINAL BLOCK (RH TAB) LH RINSE SOLENOID VALVE
9	330523	BLK	18	72"	F250 #18-#22	F250 #18-#22	LH RINSE SOLENOID VALVE LH RINSE SWITCH #2 VIOLET
10	060217	#2 VLT	20	14.5"	250TAB #18-#22	F250 #18-#22	LH RINSE SWITCH #2 VIOLET EXTENSION CABLE RIBBED WIRE
11	060217	#1 VLT	20	14.5"	250TAB #18-#22	F250 #18-#22	BOTH RINSE SWITCHES #1 VIOLET EXTENSION CABLE SMOOTH WIRE
12	060217	#9 VLT	20	14.5"	250TAB #18-#22	F250 #18-#22	BOTH RINSE SWITCHES #9 VIOLET EXTENSION CABLE SMOOTH WIRE
13	060217	#5 RED	20	14.5"	F250 #18-#22	RH TAB	LH START SWITCH #5 RED FRONT TERMINAL BLOCK (RH TAB)
14	060217	#6 BLK	20	14.5"	F250 #18-#22	LH TAB	LH START SWITCH #6 BLACK FRONT TERMINAL BLOCK (LH TAB)
15	060217	#5 RED	20	14.5"	F250 #18-#22	RH TAB	LH STOP SWITCH #5 RED FRONT TERMINAL BLOCK (RH TAB)
16	060217	#6 BLK	20	14.5"	F250 #18-#22	LH TAB	LH STOP SWITCH #6 BLACK FRONT TERMINAL BLOCK (LH TAB)
17	060217	#5 RED	20	14.5"	F250 #18-#22	RH TAB	LH RINSE SWITCH #5 RED FRONT TERMINAL BLOCK (RH TAB)
18	060217	#6 BLK	20	14.5"	F250 #18-#22	LH TAB	LH RINSE SWITCH #6 BLACK FRONT TERMINAL BLOCK (LH TAB)
19	060217	#3 YLW	20	14.5"	BARE	LH SCREW 8	LH STOP SWITCH #3 YLW LH TIMER BASE 8
20	060217	#7 YLW	20	14.5"	F250 #18-#22	LH TAB	LH STOP SWITCH #7 YLW REAR TERMINAL BLOCK (LH TAB)
21	060217	#2 VLT	20	14.5"	BARE	LH SCREW 7	LH START SWITCH #2 VLT LH TIMER BASE 7
22	060217	#10 VLT	20	14.5"	BARE	LH SCREW 8	LH START SWITCH #10 VLT LH TIMER BASE 8
23	060217	#10 VLT	20	14.5"	F250 #18-#22	LH TAB	LH RINSE SWITCH #10 VLT REAR TERMINAL BLOCK (LH TAB)
24	095284	RED	18	14"	F250 #18-#22	BARE	REAR TERMINAL BLOCK (RH TAB) RH TIMER BASE 3
25	095285	BLU	18	4"	BARE	BARE	RH TIMER BASE 2 RH TIMER BASE 3
26	095286	BRN	18	4"	BARE	BARE	RH TIMER BASE 6 RH TIMER BASE 7
27	095287	BLK	18	10"	BARE	F250 #18-#22	RH TIMER BASE 1 RH HEAD SOLENOID VALVE
28	095288	WHT	18	10"	BARE	F250 #18-#22	RH TIMER BASE 8 RH HEAD SOLENOID VALVE
29	330523	BLK	18	72"	F250 #18-#22	F250 #18-#22	REAR TERMINAL BLOCK (RH TAB) RH RINSE SOLENOID VALVE
30	330523	BLK	18	72"	F250 #18-#22	F250 #18-#22	RH RINSE SOLENOID VALVE RH RINSE SWITCH #2 VIOLET
31	060217	#2 VLT	20	14.5"	250TAB #18-#22	F250 #18-#22	RH RINSE SWITCH #2 VIOLET RH RINSE SOLENOID VALVE
32	060217	#3 YLW	20	14.5"	BARE	RH SCREW 8	RH STOP SWITCH #3 YLW RH TIMER BASE 8
33	060217	#7 YLW	20	14.5"	F250 #18-#22	LH TAB	RH STOP SWITCH #7 YLW REAR TERMINAL BLOCK (LH TAB)
34	060217	#2 VLT	20	14.5"	BARE	RH SCREW 7	RH START SWITCH #2 VLT RH TIMER BASE 7
35	060217	#10 VLT	20	14.5"	BARE	RH SCREW 8	RH START SWITCH #10 VLT RH TIMER BASE 8
36	330536	RIBBED WIRE	18	6"	F250 #18-#22	FPIN	EXTENSION CABLE RIBBED WIRE 7 PIN RECEPTACLE #5
37	330536	SMOOTH WIRE	18	6"	F250 #18-#22	FPIN	EXTENSION CABLE SMOOTH WIRE 7 PIN RECEPTACLE #3
38	060217	#5 RED	20	14.5"	F250 #18-#22	RH TAB	RH START SWITCH #5 RED FRONT TERMINAL BLOCK (RH TAB)
39	060217	#6 BLK	20	14.5"	F250 #18-#22	LH TAB	RH START SWITCH #6 BLACK FRONT TERMINAL BLOCK (LH TAB)
40	060217	#5 RED	20	14.5"	F250 #18-#22	RH TAB	RH STOP SWITCH #5 RED FRONT TERMINAL BLOCK (RH TAB)
41	060217	#6 BLK	20	14.5"	F250 #18-#22	LH TAB	RH STOP SWITCH #6 BLACK FRONT TERMINAL BLOCK (LH TAB)
42	060217	#5 RED	20	14.5"	F250 #18-#22	RH TAB	RH RINSE SWITCH #5 RED FRONT TERMINAL BLOCK (RH TAB)
43	060217	#6 BLK	20	14.5"	F250 #18-#22	LH TAB	RH RINSE SWITCH #6 BLACK FRONT TERMINAL BLOCK (LH TAB)
44	060217	#10 VLT	20	14.5"	F250 #18-#22	LH TAB	RH RINSE SWITCH #10 VLT REAR TERMINAL BLOCK (LH TAB)
45	095289	RED	18	3"	F250 #18-#22	F250 #18-#22	REAR TERMINAL BLOCK (RH TAB) FRONT TERMINAL BLOCK (RH TAB)
46	095290	BLK	18	3"	F250 #18-#22	F250 #18-#22	REAR TERMINAL BLOCK (LH TAB) FRONT TERMINAL BLOCK (LH TAB)
NOTES: 1. #1 & #2 WIRES ARE ATTACHED TO THE TRANSFORMER.							
2. #8/#9, #29/#30 AND #36/#37 ARE 2 CONDUCTOR WIRES #18-2 BLACK.							

9. 330447 Wiring Diagram Schematic, Double Dispenser BFDSA-2



10. **Wiring List 330520**

Ozone Generator, Dispenser

Wiring List - PURELY NATURAL DISPENSER, OZONE GENERATOR PART # 330520B							
No.	Part#	Color	Ga.	Length	From Conn.	Series 7 ToConn.	To Location
1	330463	BLK	18	FULL	F250 #18-#22	TAB 250 # 18-#22	OZONE GENERATOR
2	330463	BLK	18	FULL	F250 #18-#22	TAB 250 # 18-#22	OZONE GENERATOR
3	330518	BLK	18	15"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG #5
4	330518	BLK	18	15"	MALE PIN	FEMALE PIN	7 PIN CIRCULAR PLUG #3

10. 330520, Wiring Schematic, Ozone Generator, Dispenser

