

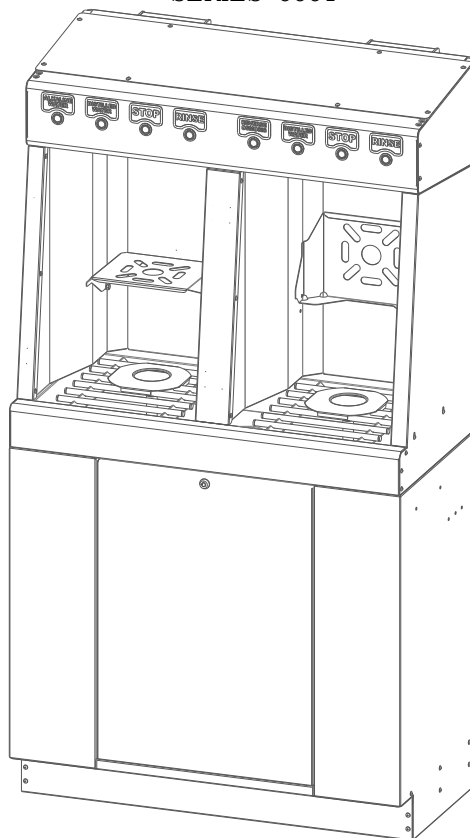


REPLACEMENT PARTS MANUAL

FOR MODEL: **PNW BFDSA-T2 (24VDC)**,

PART # 330028

SERIES 0001



PRECISION WATER SYSTEMS

SEMI-AUTOMATIC DOUBLE DISPENSER TWIN NOZZLE

MANUFACTURED BY:

PRECISION DESIGN & MANUFACTURING INC.

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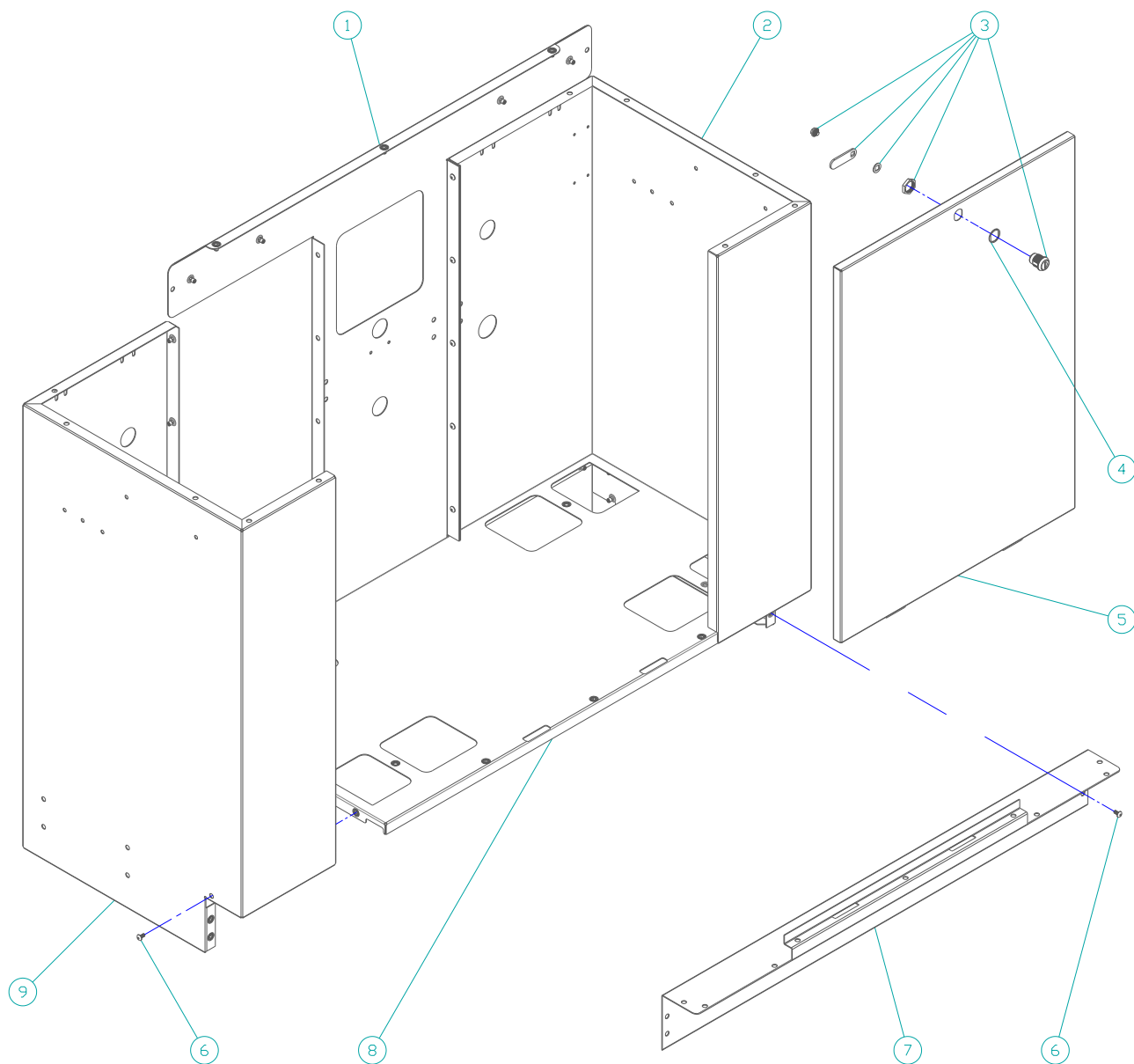
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1. 093003, Exploded Parts List **Double Dispenser Lower Cabinet Assembly**

Item #	Part #	Description	Qty
1	330470	Back, Clinch Nut, Lower Cabinet, Double Dispenser	1
2	330475	Side, LH, Clinch Nut, Lower Cabinet, Double Dispenser	1
3	080932	7/8" Cylinder Lock W/Chrome Face W/Can Keyed Alike	1
4	330579	Spacer Washer, 7/8" Cylinder Lock #080932	1
5	330549	Door, Lower Cabinet, Double Dispenser, Twin Nozzle	1
6	012017	Screw, Machine, SS, #8-32UNC X 3/8" Truss Head/Sk	42
7	330429	Kick Plate, Lower Cabinet, Double Dispenser	1
8	330474	Shelf, Clinch Nut, Lower Cabinet, Double Dispenser	1
9	330471	Side, RH, Lower Cabinet, Clinch Nut, Double Dispenser	1

1. 093003, Exploded Parts List

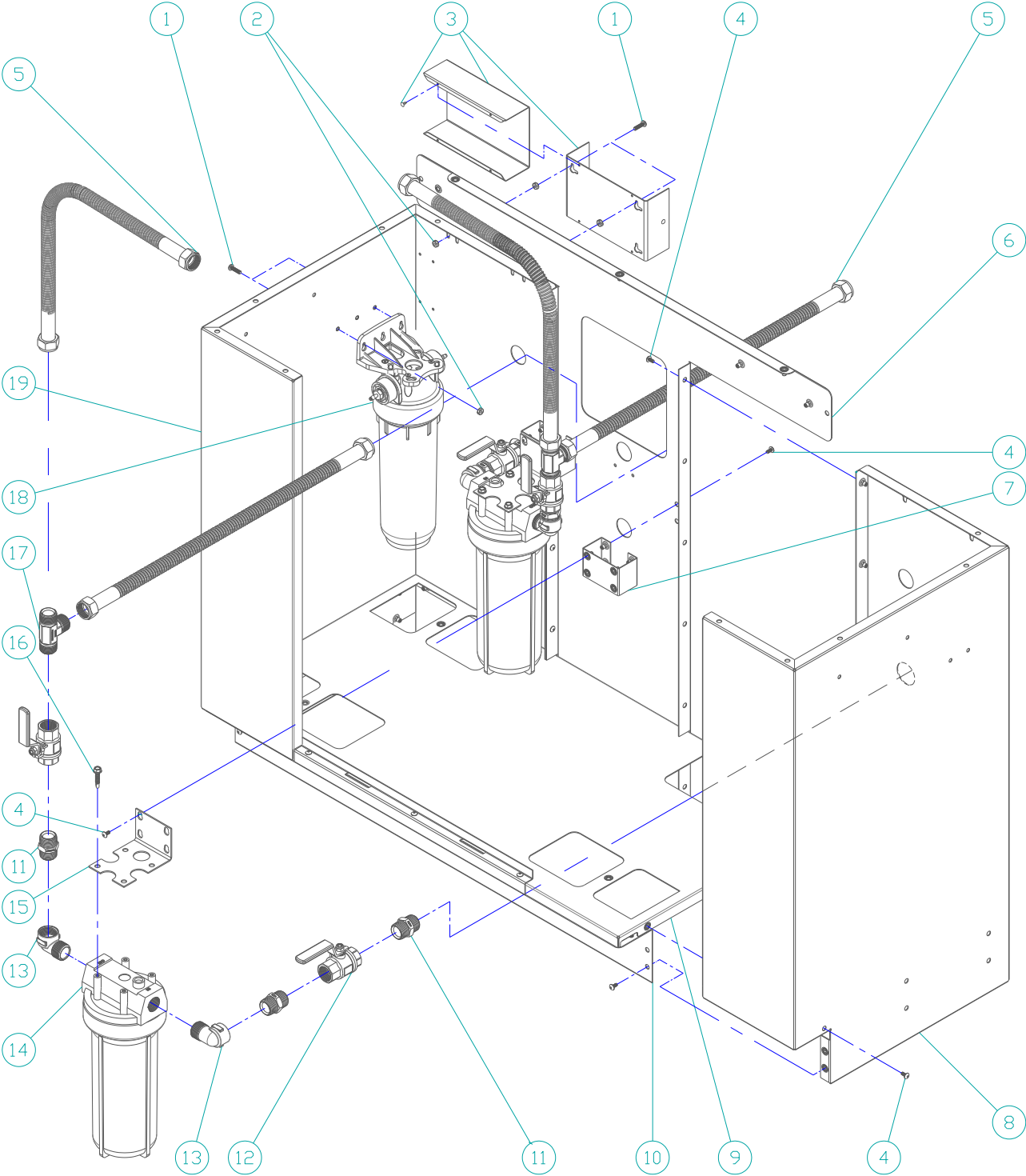
Double Dispenser Lower Cabinet Assembly



2. 093010, Exploded Parts List Plumbing, Filter, Dryer Kit Double Dispenser, BFDSA-T2

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	012017	Screw, Machine, SS, #8-32UNC X 3/8" Trs Hd/SK	58
5	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24L	4
6	330470	Back, Lower Cabinet, Double Dispenser, Clinch Nut	1
7	330495	Filter Wall Mount Bracket, Clinch Nut	2
8	330475	Side, LH, 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	330471	Side, RH, Clinch Nut, Lower Cabinet, Double Dispenser	1
Not shown			
	F456	Cartridge, Charcoal, Rad Flow, 5mic, 10" for Item#14)	
	080342	Silica Gel, Ozone System (for Item #18)	

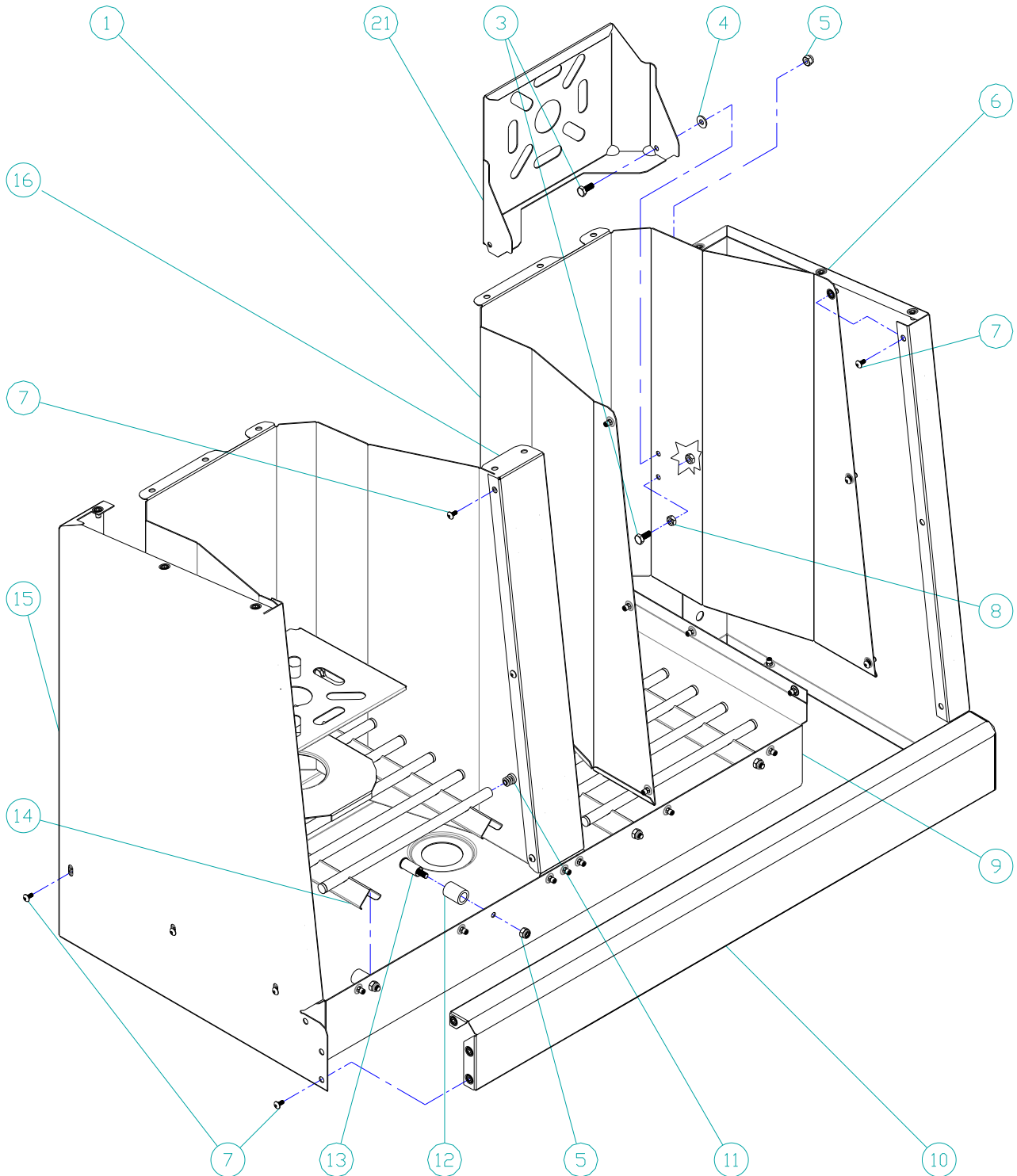
2. 093010, Exploded Parts List
Plumbing, Filter, Dryer Kit
Double Dispenser, BFDSA-T2



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

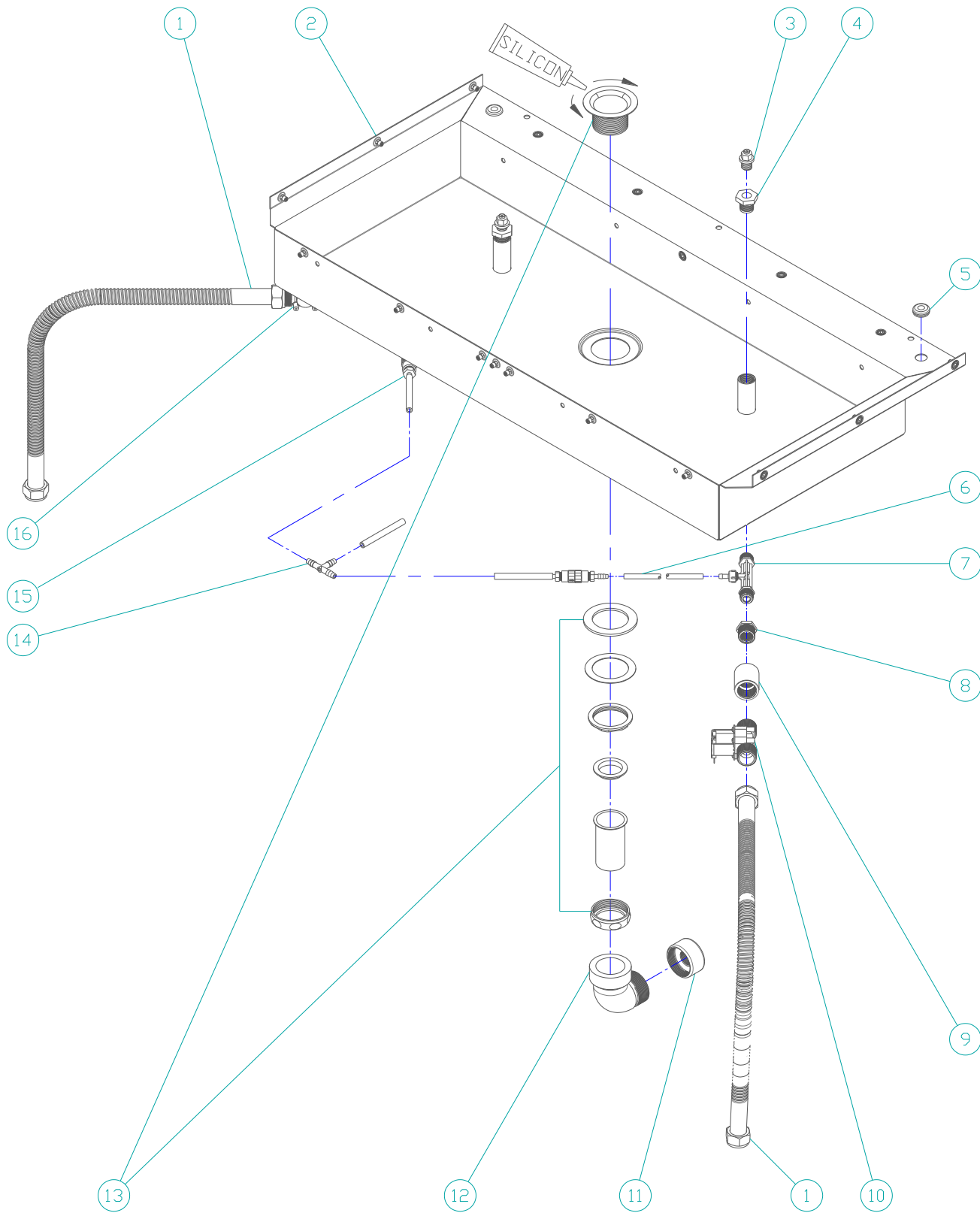
3. 097007, Exploded Parts List Top Stand Assembly, Double Dispenser



4. 093008, Exploded Parts List Ozone Rinse & Drain Assembly, BFDSA-T2

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	060246	Pre-Assembled Valve, RS, 4 Mount Holes, 24VDC, 3/4"-14MBSPT, BE	1
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
16	060245	Pre-Assembled Valve, LS, 4 Mount Holes, 24VDC, 3/4"-14MBSPT, BE	1

4. 093008, Exploded Parts List **Ozone Rinse & Drain Assembly, BFDSA-T2**



5. 093011, Exploded Parts List

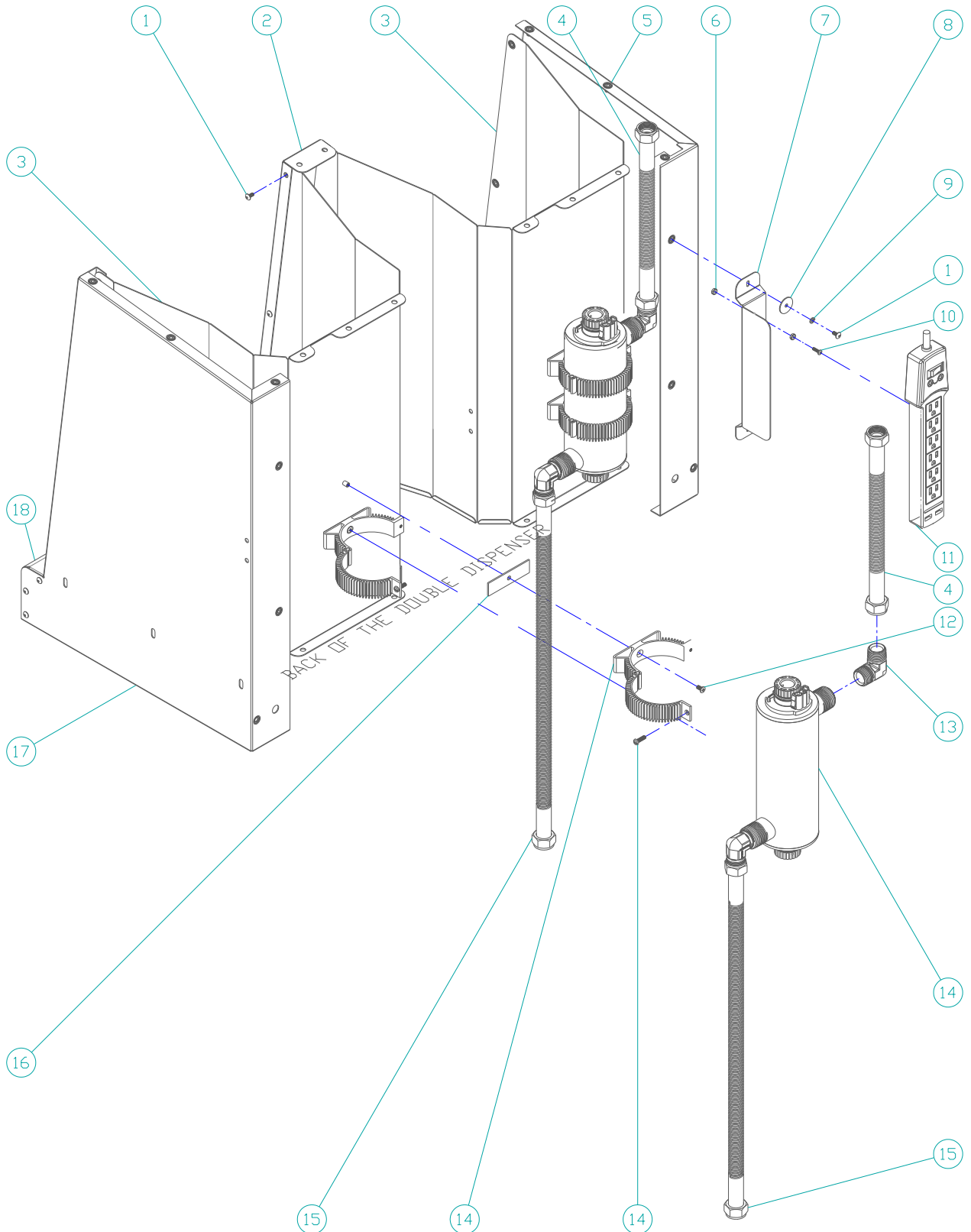
UV Light & Power Bar Assembly, Double Dispenser

Item #	Part #	Description	Qty
1	012017	Screw, Machine, SS, #8-32UNCX3/8" TRS HD/SK	20
2	330421	Compartment Divider, Double Dispenser	1
3	330465	Compartment Inner Wall, Clinch Nut	2
4	036029	Connector, SS, Flex, 3/4" X 3/4" FIP X 3/4"ID X 12"	2
5	330472	Side, RH, Clinch Nut, Top Dispenser	1
6	026006	Nut, Kep, 18-8 SS, #6-32UNC (0000852)	4
7	330547	Power Bar Mount Bracket, Single/Double Dispenser	1
8	018031	Washer, Flat, 0.203" X 1" OD, 18 Gauge, SS	2
9	024001	Washer, Lock, 18-8 SS, #10	2
10	012009	Screw, Machine, SS, #6-32UNC X 1/2" Round/Socket	2
11	060228	Power Surge Protector – 6 Outlet	1
12	012008	Screw, Machine, SS, #10-24UNC X 3/8" OH/PD	4
13	036043	Elbow, SS, 3/4"-14MNPT Both Ends	4
14	080809	Viqua 5GPM Compact UV System	2
15	036028	Connector, SS, Flex, 3/4" X 3/4" FIP X 3/4"ID X 24"	2
16	330527	Silicone Spacer, 7/8" X 3-1/4" X 0.079" Thick	4
17	330473	Side, LH, Clinch Nut, Top Dispenser	1
18	330469	PN Front Plate, Top Stand, Double Dispenser W/CN	1

Replacement parts not shown

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

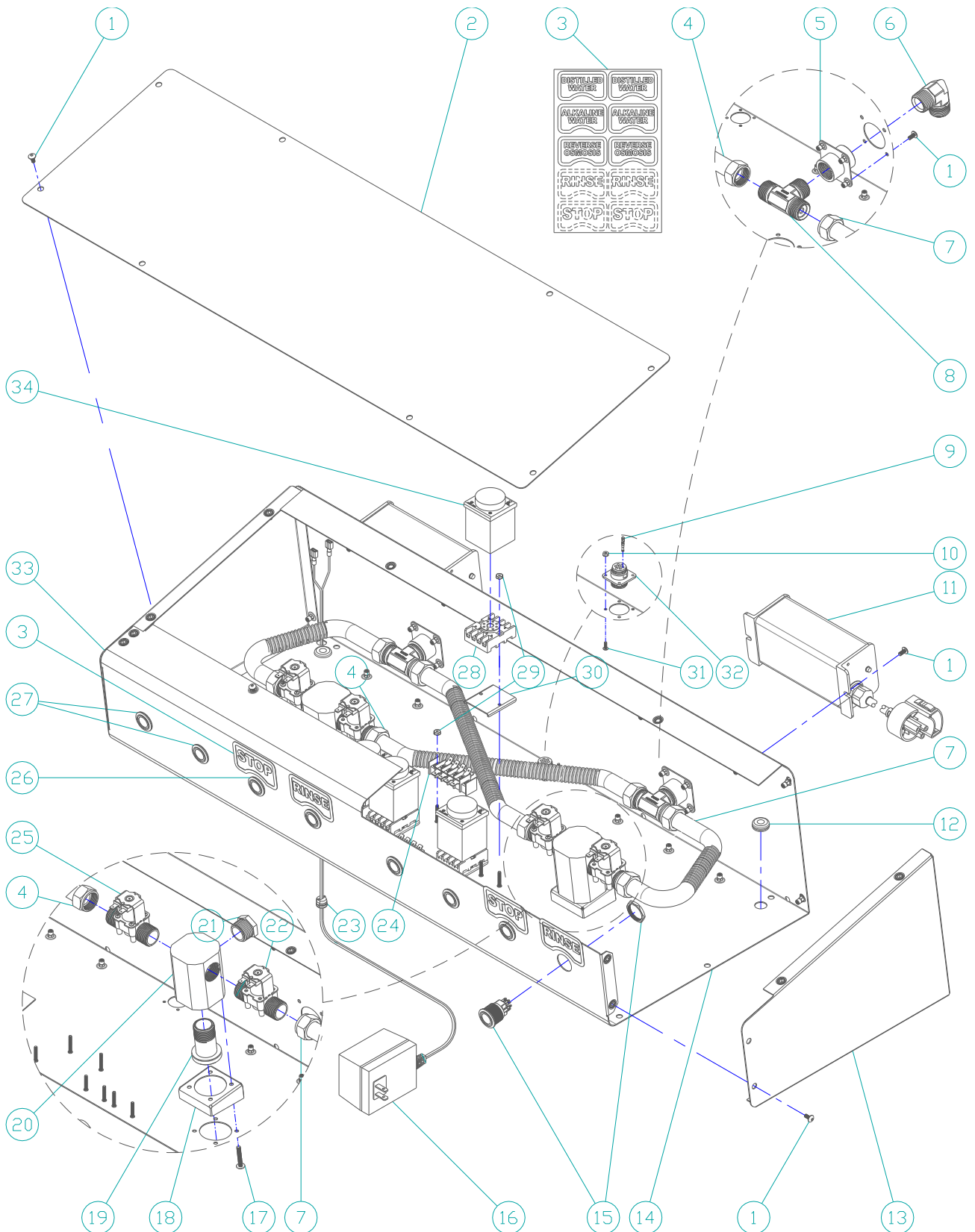
5. 093011, Exploded Parts List **UV Light & Power Bar Assembly, Double Dispenser**



5. 093009, Exploded Parts List Dispenser Head Assembly, BFDSA-T2

Item#	Part#	Description	Qty
1	012017	Screw, Machine, SS, #8-32 X 3/8" Truss Head/Socket	28
2	330535	Cover, Top, Double Dispenser, S7	1
3	080952	Decal Kit, Double Dispenser, Twin Nozzle, 4 Button	1
4	036027	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 18" Long	2
5	330560	Mount Plate, Clinch Nut, Single Connector, 3/4" Coupler	2
6	036043	Elbow, SS, 3/4"-14MNPY, Both Ends	2
7	036029	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 12" Long	2
8	330563	Tee, 3/4"-14MNPT W/Restrictor 5/16" ID Washers	2
9	060017	Pin, Female, Circular	2
10	026007	Nut, Kep, SS, #4-40UNC	2
11	080831	Viqua Compact UV Ballast (Part Of The #080809 Kit)	2
12	080181	Grommet, 3/8"ID, 5/8" Hole, Black	2
13	330509	End, LH, Top Dispenser W/Clinch Nut, S7	1
14	330553	PN Head, Studded, 4 Button, Double Dispenser	1
15	060205	DC24V Blue Angel Eye Momentary SS PB Switch, 25mm, Amber	2
16	330286	Transformer Assembly, 24VDC, 1A, F250	1
17	012055	Screw, Machine, SS, #8-32UNC X 1-1/4" Truss Head, Robertson Sock Dr	8
18	330554	Spacer, 3 Ways Diverter Valve, Twin Nozzle Dispenser	2
19	330562	3/4"-14MNPT Nozzle WA, Twin Nozzle Dispenser	2
20	331282	Three Ways Diverter Valve, 3/4"-14FBSPT X 3/4"-14FNPT	2
21	034092	Plug, 3/4"-14MNPT, POLY	2
22	060246	Pre-Assembled Valve, RS, 4 Mount Holes, 24VDC, 3/4"-14MBSPT, BE	2
23	054003	Strain Relief, 4N5	1
24	520232	Terminal Block Assembly, 4 X 4 F250, Double	2
25	060245	Pre-Assembled Valve, LS, 4 Mount Holes, 24VDC, 3/4"-14MBSPT, BE	2
26	060208	DC24V Blue Angel Eye Momentary SS PB Switch, 25mm, Red	2
27	060209	DC24V Blue Angel Eye Momentary SS PB Switch, 25mm, Green	4
28	060226	Base, 8 Pin, Timer Terminal	4
29	026006	Nut, Kep, #18-8 SS, #6-32UNC	12
30	330546	Extension Channel, Timer Base, S12	4
31	012019	Screw, Machine, Plated, #4-40UNC X 1/2" Round/Socket	2
32	060044	Receptacle, 7 Pin, Circular	1
33	330508	End, RH, Top Dispenser W/Clinch Nut, S7	1
34	060227	Timer, 24VAC, 5 AMP, 8PIN	4

6. 093009, Exploded Parts List Dispenser Head Assembly, BFDSA-T2

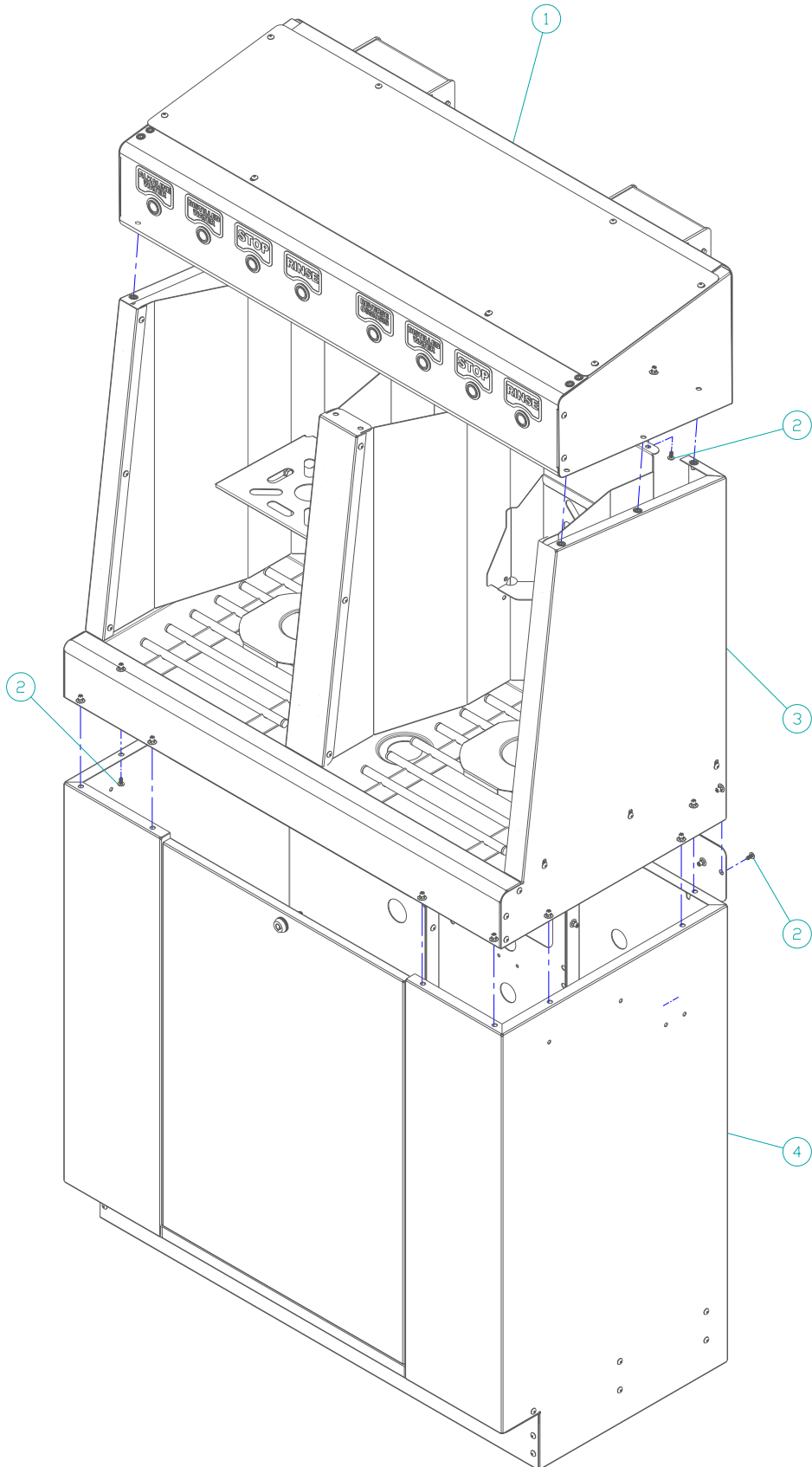


7. 093012, Exploded Parts List

Double Dispenser Assembly, BFDSA-T2

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.

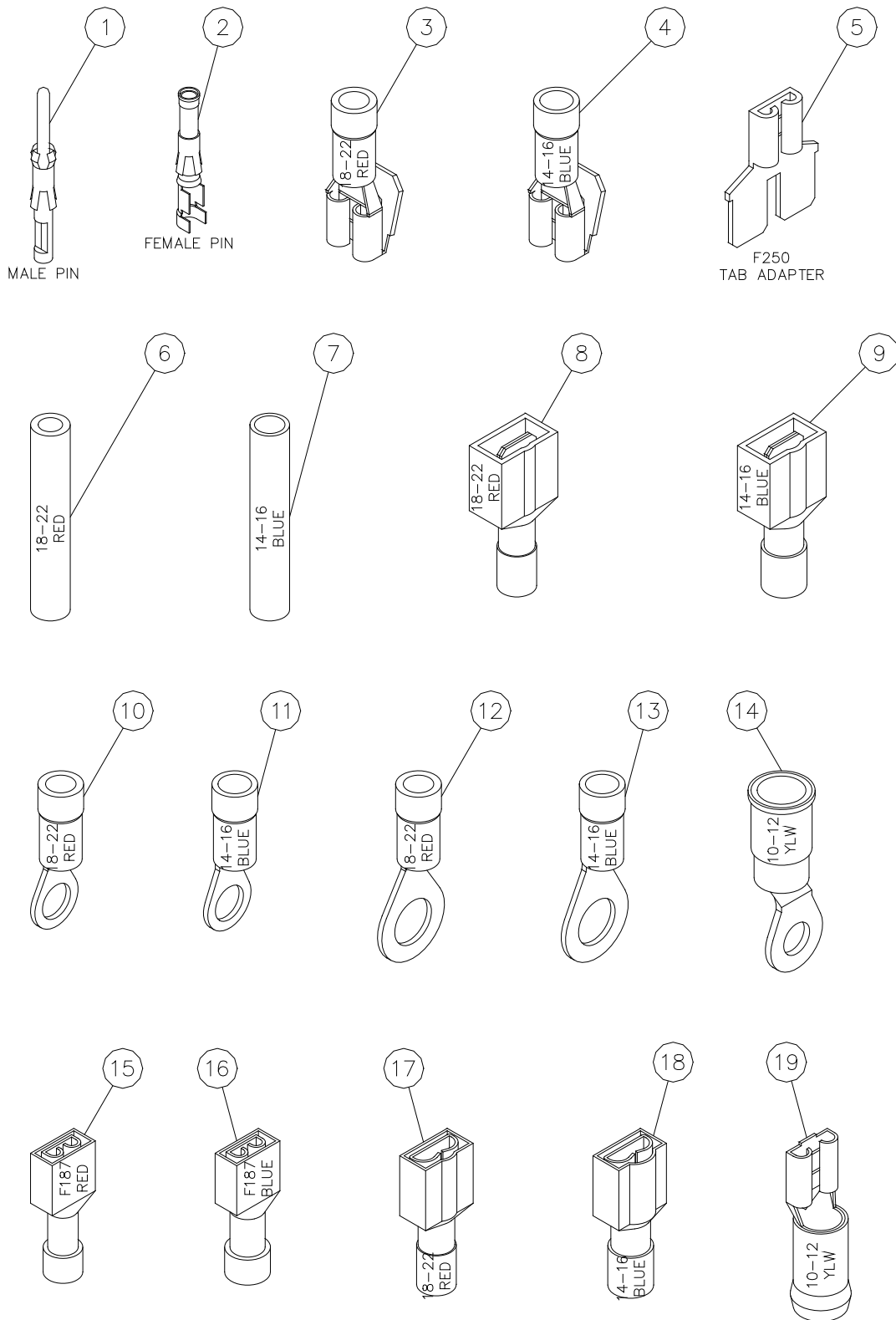
7. 093012, Exploded Parts List Double Dispenser Assembly, BFDSA-T2



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

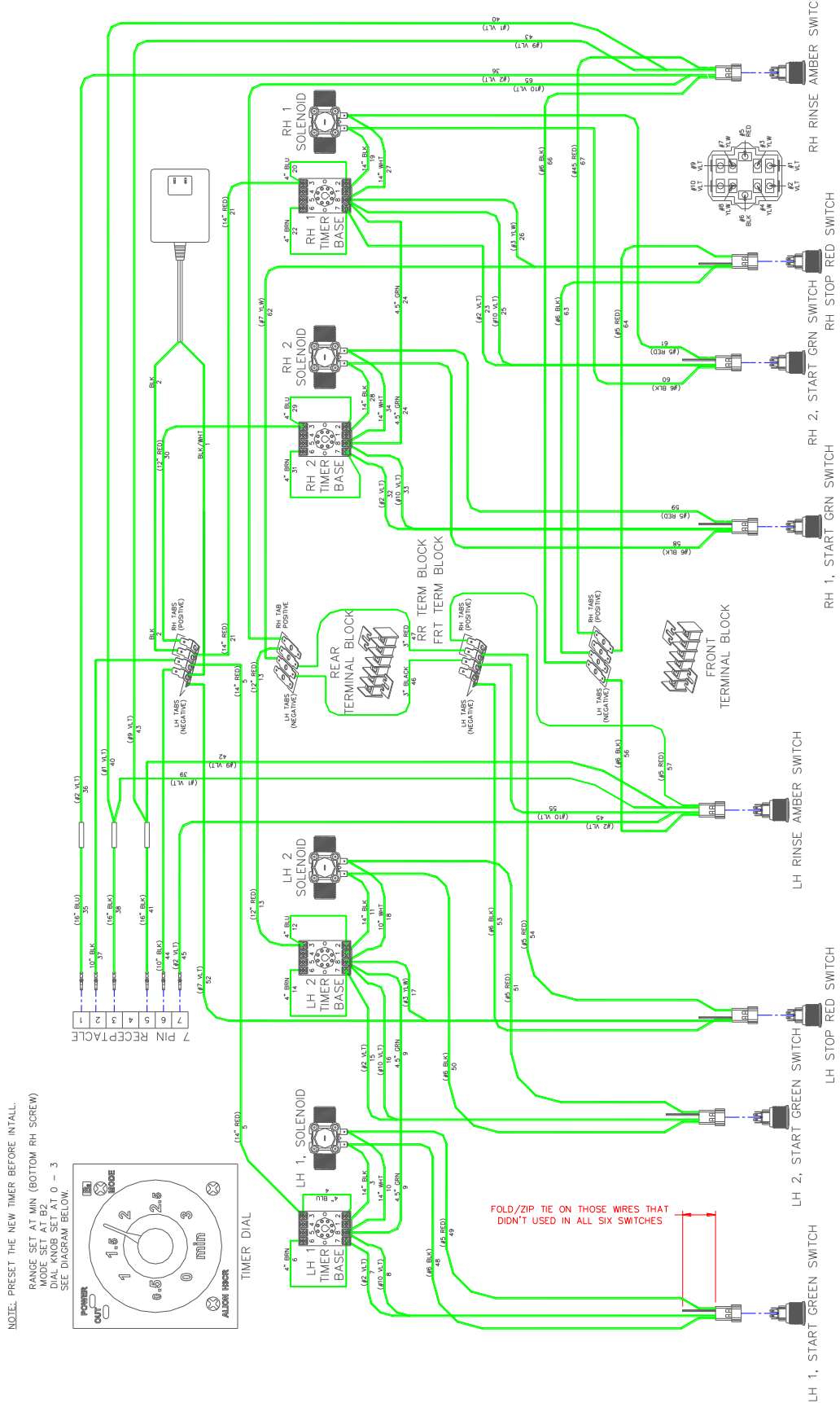
8. 094109, Exploded Parts List Electrical Terminals



9. Wiring List 330584, DD Double Dispenser BFDSA-T2

Wiring List - PURELY NATURAL DOUBLE DISPENSER, BFDSA-T2 PART # 330584,DD							
No.	Part#	Color	Ga	Length	From Conn.	SERIES 1 ToConn.	To Location
1	330286	BLK/WHT	18	FULL 72"	PLUG	F250 #18-#22	TRANSFORMER
2	330286	BLK	18	FULL 72"	PLUG	F250 #18-#22	TRANSFORMER
3	095307	BLK	18	14"	BARE	F250 #18-#22	LH 1, TIMER BASE 1
4	095285	BLU	18	4"	BARE	BARE	LH 1, TIMER BASE 2
5	095284	RED	18	14"	F250 #18-#22	BARE	REAR TERMINAL BLOCK (RH TAB)
6	095286	BRN	18	4"	BARE	BARE	LH 1, TIMER BASE 6
7	060217	#2 VLT	20	14.5"	BARE	LH 1, SCREW 7	LH 1, START SWITCH #2 VLT
8	060217	#10 VLT	20	14.5"	BARE	LH 1, SCREW 8	LH 1, START SWITCH #10 VLT
9	095302	GRN	18	4.5"	BARE	LH 1, SCREW 8	LH 1, TIMER BASE 8
10	095308	WHT	18	14"	BARE	F250 #18-#22	LH 1, TIMER BASE 8
11	095307	BLK	18	14"	BARE	F250 #18-#22	LH 2, TIMER BASE 1
12	095285	BLU	18	4"	BARE	BARE	LH 2, TIMER BASE 2
13	095306	RED	18	12"	F250 #18-#22	BARE	REAR TERMINAL BLOCK (RH TAB)
14	095286	BRN	18	4"	BARE	BARE	LH 2, TIMER BASE 6
15	060217	#2 VLT	20	14.5"	BARE	LH 2, SCREW 7	LH 2, START SWITCH #2 VLT
16	060217	#10 VLT	20	14.5"	BARE	LH 1, SCREW 8	LH 2, START SWITCH #10 VLT
17	060217	#3 YLW	20	14.5"	BARE	LH 2, SCREW 8	LH, STOP SWITCH #3 YLW
18	095308	WHT	18	14"	BARE	F250 #18-#22	LH 2, TIMER BASE 8
19	095307	BLK	18	14"	BARE	F250 #18-#22	RH 1, TIMER BASE 1
20	095285	BLU	18	4"	BARE	BARE	RH 1, TIMER BASE 2
21	095284	RED	18	14"	F250 #18-#22	BARE	REAR TERMINAL BLOCK (RH TAB)
22	095286	BRN	18	4"	BARE	BARE	RH 1, TIMER BASE 6
23	060217	#2 VLT	20	14.5"	BARE	RH 1, SCREW 7	RH 2, START SWITCH #2 VLT
24	095302	GRN	18	4.5"	BARE	LH 1, SCREW 8	RH 1, TIMER BASE 8
25	060217	#10 VLT	20	14.5"	BARE	RH 1, SCREW 8	RH 2, START SWITCH #10 VLT
26	060217	#3 YLW	20	14.5"	BARE	RH SCREW 8	RH STOP SWITCH #3 YLW
27	095308	WHT	18	14"	BARE	F250 #18-#22	RH 1, TIMER BASE 8
28	095307	BLK	18	14"	BARE	F250 #18-#22	RH 2, TIMER BASE 1
29	095285	BLU	18	4"	BARE	BARE	RH 2, TIMER BASE 2
30	095606	RED	18	12"	F250 #18-#22	BARE	REAR TERMINAL BLOCK (RH TAB)
31	095286	BRN	18	4"	BARE	BARE	RH 2, TIMER BASE 6
32	060217	#2 VLT	20	14.5"	BARE	RH 1, SCREW 7	RH 1, START SWITCH #2 VLT
33	060217	#10 VLT	20	14.5"	BARE	RH 1, SCREW 8	RH 1, START SWITCH #10 VLT
34	095308	WHT	18	14"	BARE	F250 #18-#22	RH 2, TIMER BASE 8
35	095303	BLU	18	16"	FEMALE PIN	BUTT #18-22	7 PIN RECEPTACLE #1
36	060217	VLT	20	14.5"	BUTT #18-22	BARE	7 PIN RECEPTACLE #1
37	095304	BLK	18	10"	FEMALE PIN	F250 #18-#22	7 PIN RECEPTACLE #2
38	095305	BLK	18	16"	FEMALE PIN	BUTT #18-22	7 PIN RECEPTACLE #2
39	060217	#1 VLT	20	14.5"	BUTT #18-22	BARE	7 PIN RECEPTACLE #3
40	060217	#1 VLT	20	14.5"	BUTT #18-22	BARE	7 PIN RECEPTACLE #3
41	095305	BLK	18	16"	FEMALE PIN	BUTT #18-22	7 PIN RECEPTACLE #5
42	060217	#1 VLT	20	14.5"	BUTT #18-22	BARE	7 PIN RECEPTACLE #5
43	060217	#1 VLT	20	14.5"	BUTT #18-22	BARE	7 PIN RECEPTACLE #5
44	095304	BLK	18	10"	FEMALE PIN	F250 #18-#22	7 PIN RECEPTACLE #6
45	060217	#2 VLT	20	14.5"	FEMALE PIN	BARE	7 PIN RECEPTACLE #7
46	095290	BLK	18	3"	F250 #18-#22	F250 #18-#22	REAR TERMINAL BLOCK (LH TAB)
47	095289	RED	18	3"	F250 #18-#22	F250 #18-#22	REAR TERMINAL BLOCK (RH TAB)
48	060217	#6 BLK	20	14.5"	BARE	PIGG #18-22	LH 1, START SWITCH #6 BLK
49	060217	#5 RED	20	14.5"	BARE	PIGG #18-22	LH 1, START SWITCH #5 RED
50	060217	#6 BLK	20	14.5"	BARE	PIGG #18-22	LH 2, START SWITCH #6 BLK
51	060217	#5 RED	20	14.5"	BARE	PIGG #18-22	LH 2, START SWITCH #5 RED
52	060217	#7 YLW	20	14.5"	BARE	F250 #18-#22	LH STOP SWITCH #7 YLW
53	060217	#6 BLK	20	14.5"	BARE	F250 #18-#22	LH STOP SWITCH #6 BLK
54	060217	#5 RED	20	14.5"	BARE	F250 #18-#22	LH STOP SWITCH #5 RED
55	060217	#10 VLT	20	14.5"	BARE	F250 #18-#22	LH RINSE SWITCH #10 VLT
56	060217	#6 BLK	20	14.5"	BARE	F250 #18-#22	LH RINSE SWITCH #6 BLK
57	060217	#5 RED	20	14.5"	BARE	F250 #18-#22	LH RINSE SWITCH #5 RED
58	060217	#6 BLK	20	14.5"	BARE	PIGG #18-22	RH 1, START SWITCH #6 BLK
59	060217	#5 RED	20	14.5"	BARE	PIGG #18-22	RH 1, START SWITCH #5 RED
60	060217	#6 BLK	20	14.5"	BARE	PIGG #18-22	RH 2, START SWITCH #6 BLK
61	060217	#5 RED	20	14.5"	BARE	PIGG #18-22	RH 2, START SWITCH #5 RED
62	060217	#7 YLW	20	14.5"	BARE	F250 #18-#22	RH STOP SWITCH #7 YLW
63	060217	#6 BLK	20	14.5"	BARE	F250 #18-#22	RH STOP SWITCH #6 BLK
64	060217	#5 RED	20	14.5"	BARE	F250 #18-#22	RH STOP SWITCH #5 RED
65	060217	#10 VLT	20	14.5"	BARE	F250 #18-#22	RH RINSE SWITCH #10 VLT
66	060217	#6 BLK	20	14.5"	BARE	F250 #18-#22	RH RINSE SWITCH #6 BLK
67	060217	#5 RED	20	14.5"	BARE	F250 #18-#22	RH RINSE SWITCH #5 RED

9. 330584 Wiring Diagram Schematic, Double Dispenser BFDSA-T2



10. **Wiring List 330585**

Ozone Generator, Double Dispenser-T2

Wiring List - PN DOUBLE DISPENSER-T2, OZONE GENERATOR PART # 330585

						SERIES 1	
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 WIRE #1	7 PIN CIRCULAR PLUG #3 SMOOTH WIRE
2 330463	BLK	18	FULL	F250 #18-#22	TAB 250 #18-#22	OZONE GENERATOR WIRE #2	7 PIN CIRCULAR PLUG #5 RIBBED WIRE
3 330518	BLK	18	6"	TAB 250 RED	MALE PIN #5	OZONE GENERATOR WIRE #3	7 PIN CIRCULAR PLUG #5 RIBBED WIRE
4 330518	BLK	18	6"	TAB 250 RED	MALE PIN #3	OZONE GENERATOR WIRE #4	7 PIN CIRCULAR PLUG #3 SMOOTH WIRE
5 330555	BLK	18	54"	MALE PIN	F250 #18-22	7 PIN CIRCULAR PLUG #1 SMOOTH WIRE	LH RINSE SOLENOID
6 330555	BLK	18	54"	MALE PIN	F250 #18-22	7 PIN CIRCULAR PLUG #2 RIBBED WIRE	LH RINSE SOLENOID
7 330555	BLK	18	54"	MALE PIN	F250 #18-22	7 PIN CIRCULAR PLUG #6 SMOOTH WIRE	RH RINSE SOLENOID
8 330555	BLK	18	54"	MALE PIN	F250 #18-22	7 PIN CIRCULAR PLUG #7 SMOOTH WIRE	RH RINSE SOLENOID
NOTE: #3/#4 WIRES, #5/#6 WIRES AND #7/#8 WIRES ARE 2 CONDUCTOR WIRES #18-2 BLACK.							

10. 330585, Wiring Schematic, Ozone Generator, Double Dispenser-T2

