

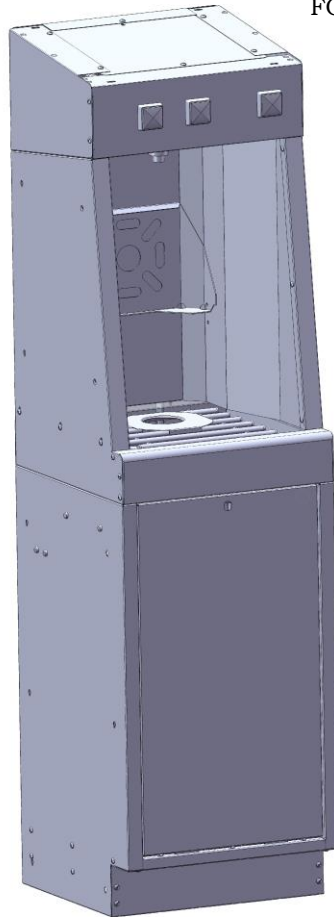


REPLACEMENT PARTS MANUAL

FOR MODEL: **PWS BFDSA-1 (24VDC)**,

PART # 330016

SERIES 0004



PRECISION WATER SYSTEMS

SELF-SERVE SINGLE DISPENSER

MANUFACTURED BY:

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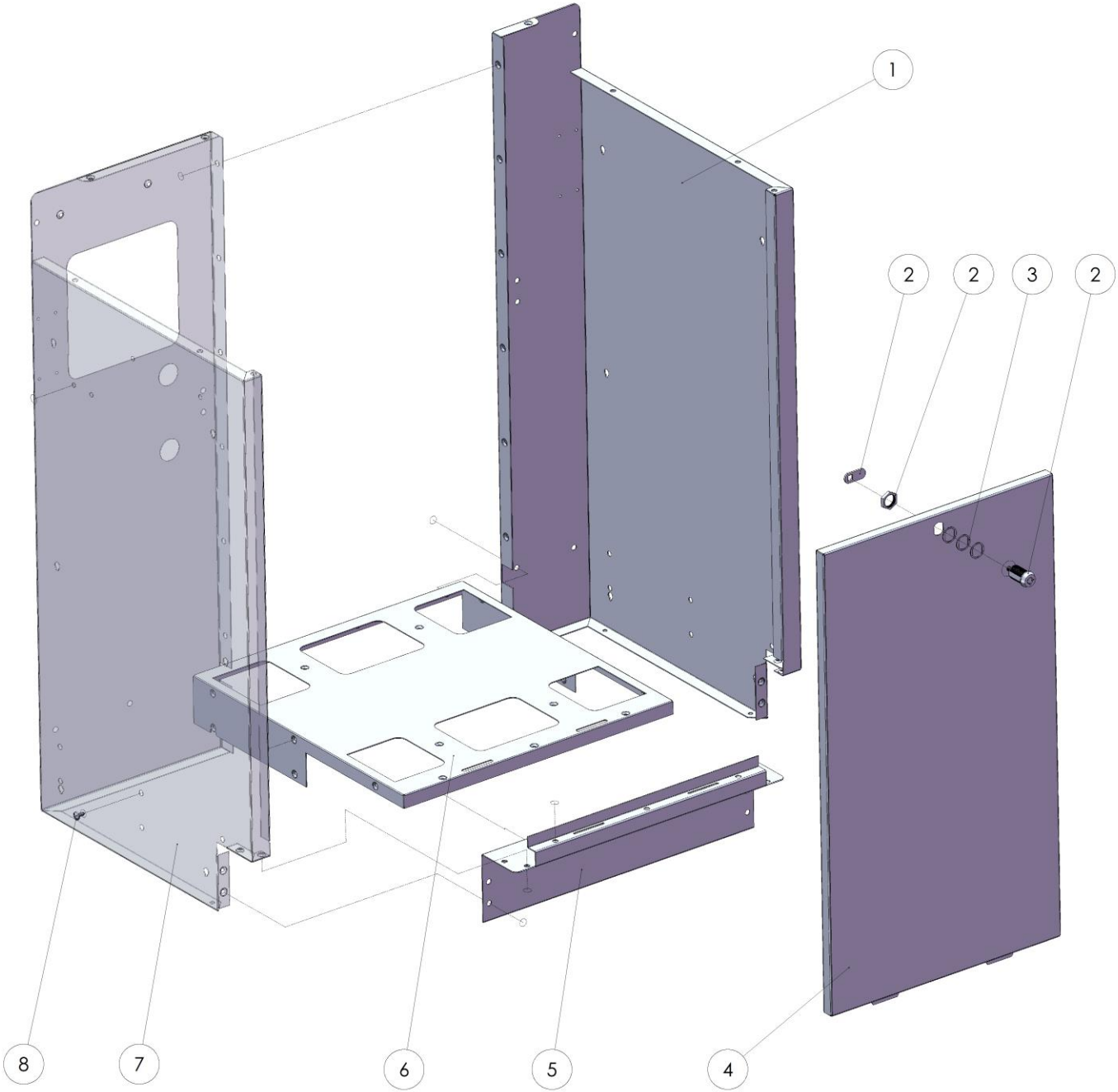
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1. 096045, Exploded Parts List Dispenser Lower Cabinet Assembly

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

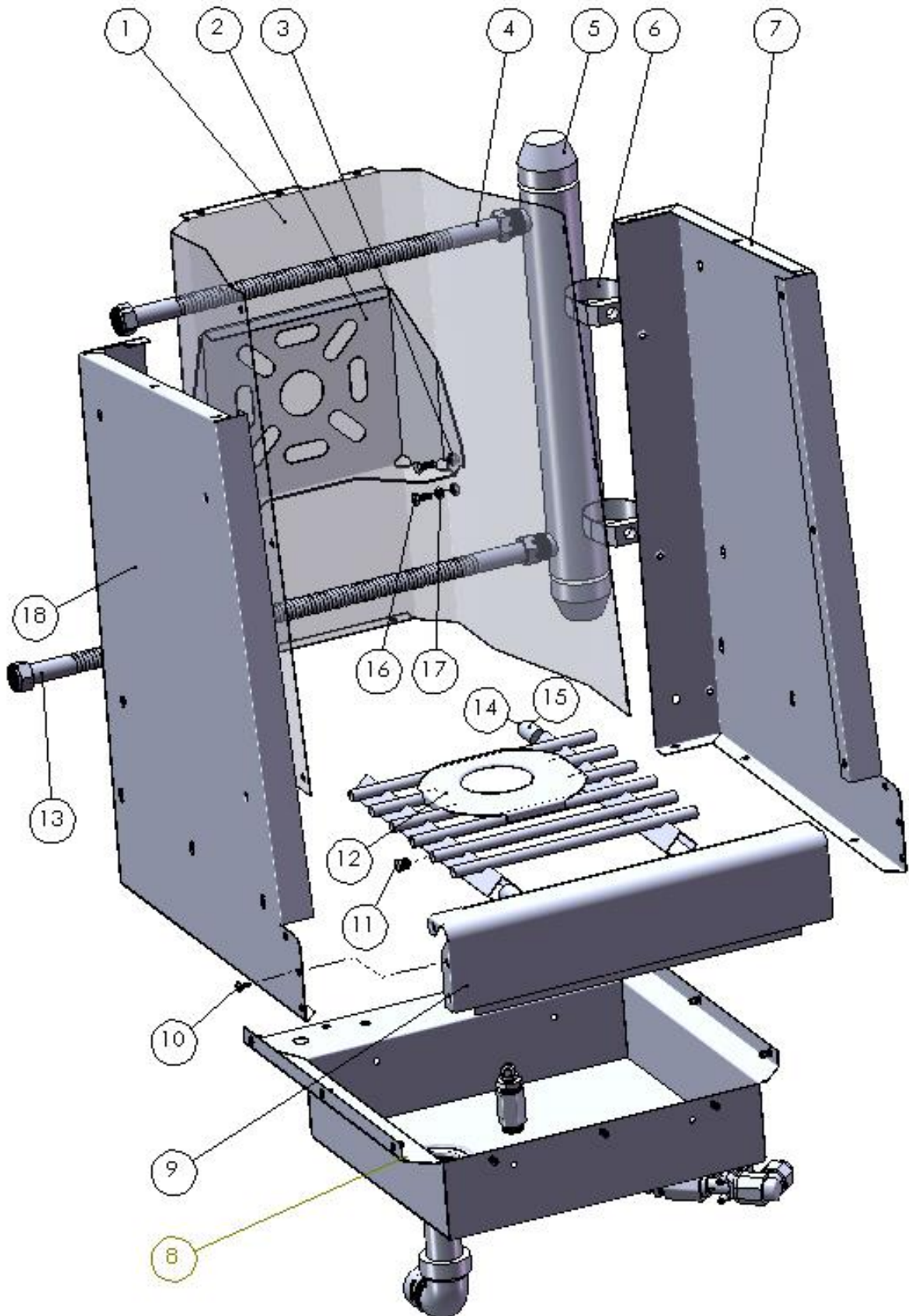
**1. 096045, Exploded Parts List
Dispenser Lower Cabinet Assembly**



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	036027	Connector, SS Flex, ¾" X ¾" FIP X ¾"ID X 18"L	1
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	036028	Connector, SS Flex, ¾" X ¾" FIP X ¾"ID X 24"L	1
14	900197	Stub WA, Grate Support, CBF-3	4
15	900198	Tube, Silicone, 1/2" ID x 1"	4
16	014006	Capscrew, SS, ¼"-20UNC X 5/8"	4
17	025000	Nut, Hex, SS, ¼"-20UNC	4
18	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

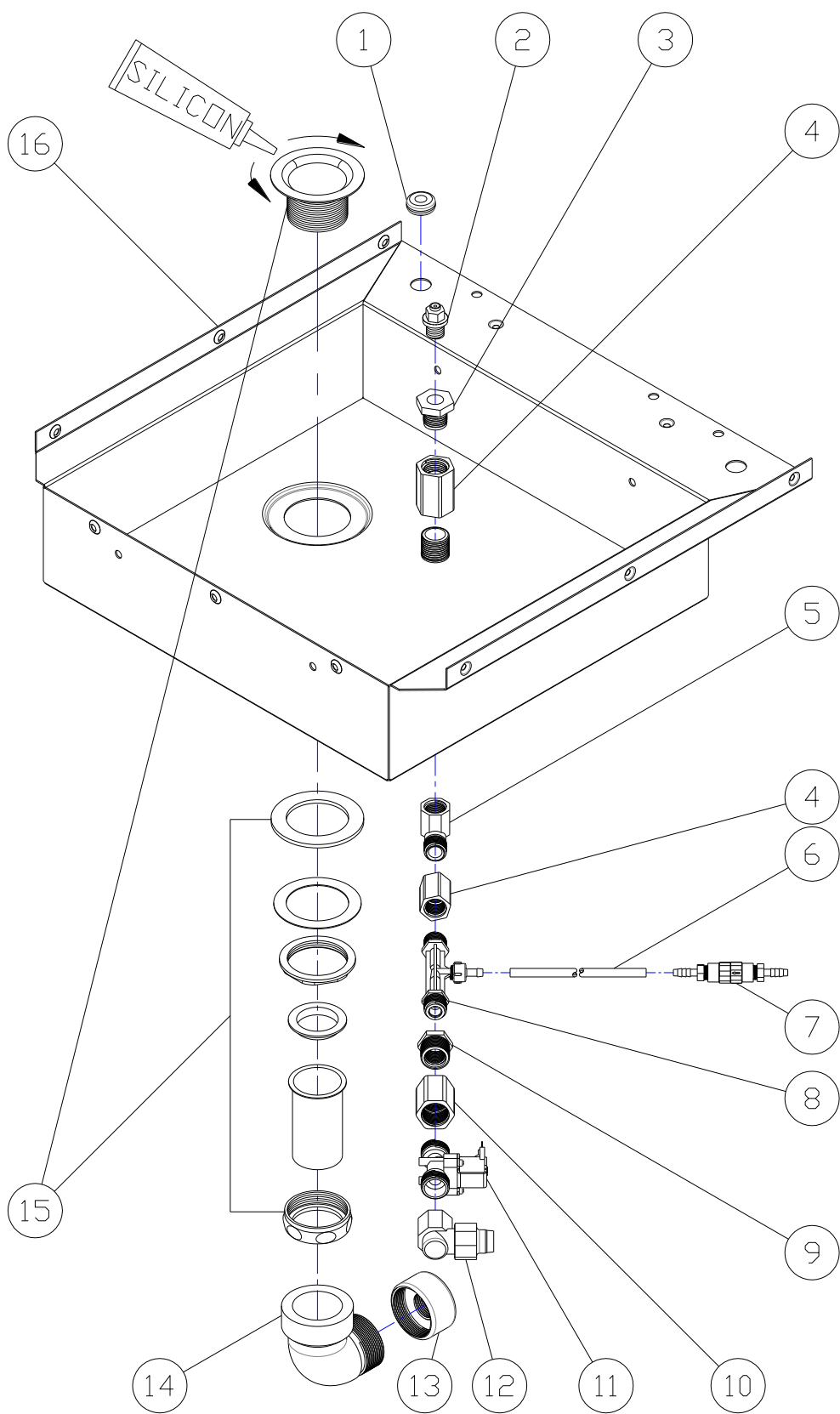
2. 096046, Exploded Parts List Dispenser Top Stand Assembly



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	F026	Qest Coupler 1/2"F x 1/2"F	2
5	034002	Elbow, 90, 1/2" OD Tube x 1/2" FPT	1
6	080377	Tubing, DVC, 5/16" OD x 3/16" ID	1
7	080339	Valve, Check, 3/8FPT BE	1
8	080336	Injector, Mazzei, 287 Kynar, 1/2 MPT	1
9	034098	Reducer Bushing, 3/4" MPT x 1/2 FPT, Poly	1
10	034051	Coupler, 3/4" FPT BE, Acetal	1
11	060106	Valve, Sol, 3/4 MPT BE, 24VDC, Poly	1
12	034050	Elbow, 3/4 FPT x 5/8 OD Tube, AC	1
13	034106	Bushing Reduction, ABS, 1 1/2" x 3/4"	1
14	034101	Elbow 90, 1-1/2" ABS x 1-1/2" Drain	1
15	080223	Drain Bulkhead, SS, 1-1/2"	1
16	330418	Tray, Welded Assembly, Single Dispenser	1

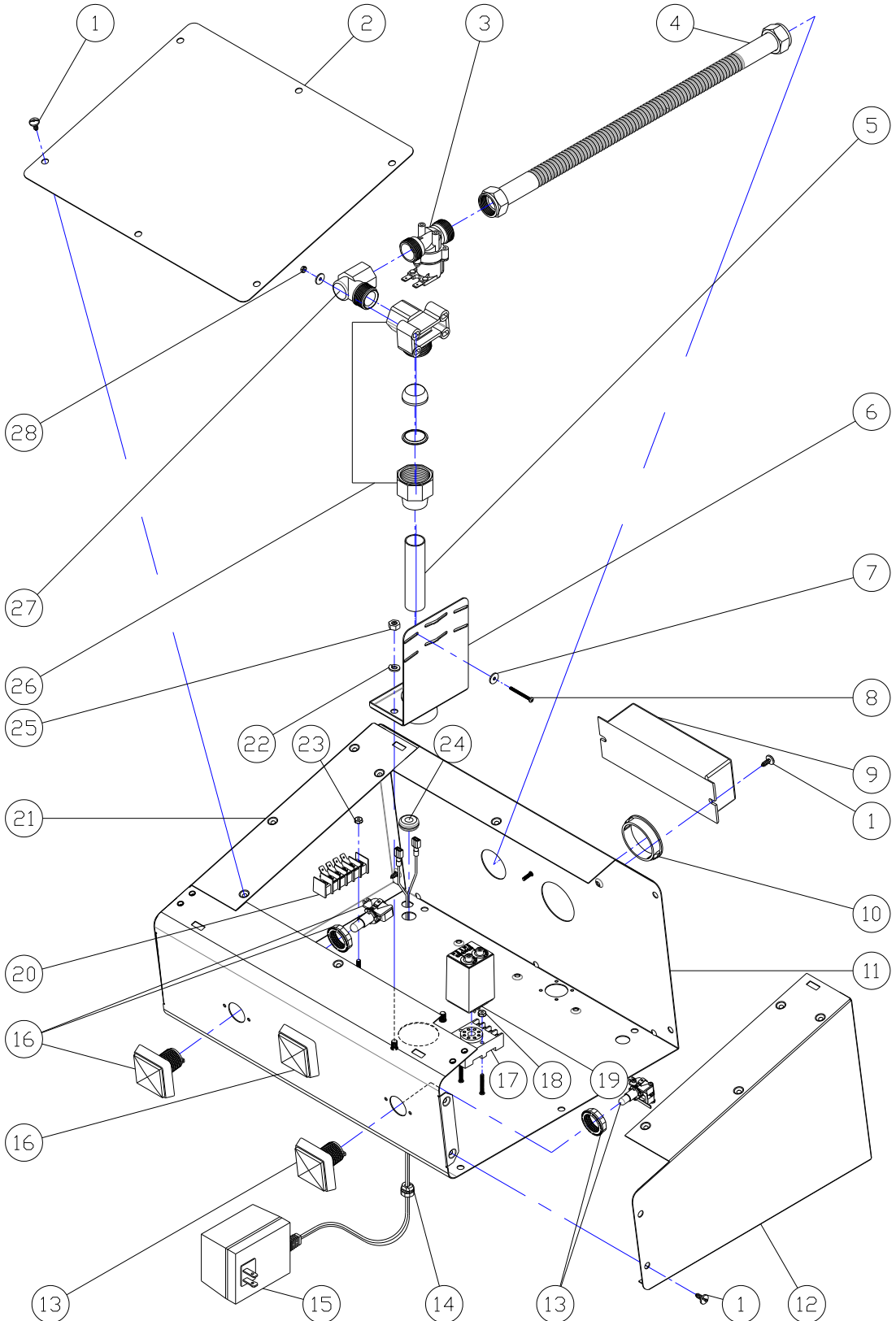
3. 096047, Exploded Parts List Ozone Rinse Assembly, BFDSA-1



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	330261	Cover, Top, Single Dispenser, S3	1
3	060106	Solenoid Valve, 24VDC, 3/4" BSP Male Threads w/Inlet Filter	1
4	036027	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 18 Long	1
5	330113	Flow Nozzle WA, 0.875"OD X 3.5"	1
6	330116	Spout Mount WA, S2	1
7	018016	Washer, Flat, 0.140"ID X 1/2"OD, 18ga, SS	8
8	016017	Screw, Machine, SS, #4-40 X 1.25", Pan Head, Phillips Drive	4
9	080440	Ballast (Part Of The 80370 Kit)	1
10	054040	Bushing, Snap, Plastic, 2" Hole	1
11	330459	Single Head, Studded	1
12	330467	End, LH, Clinch Nut, Top Dispenser	1
13	330454	Microswitch & Switch Assembly, Dispenser	1
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	060072	Terminal Block, 4 X 4 F250 Double Tab	1
21	330466	End, RH, Clinch Nut, Top Dispenser	1
22	024000	Washer, Lock, SS, Helicoil, 1/4"	2
23	026001	Nut, Kep, Plated, #8-32UNC	2
24	080181	Grommet, 3/8"ID, 5/8"Hole, Black	1
25	025000	Nut, Hex, SS, 1/4"-20UNC	2
26	034049	Elbow, Drop Ear, 7/8"OD Tube X 3/4"FPT	1
27	034050	Elbow, 3/4"FPT X 5/8"OD Tube, AC	1
28	026003	Nut, Kep, Plated, #4-40UNC	4

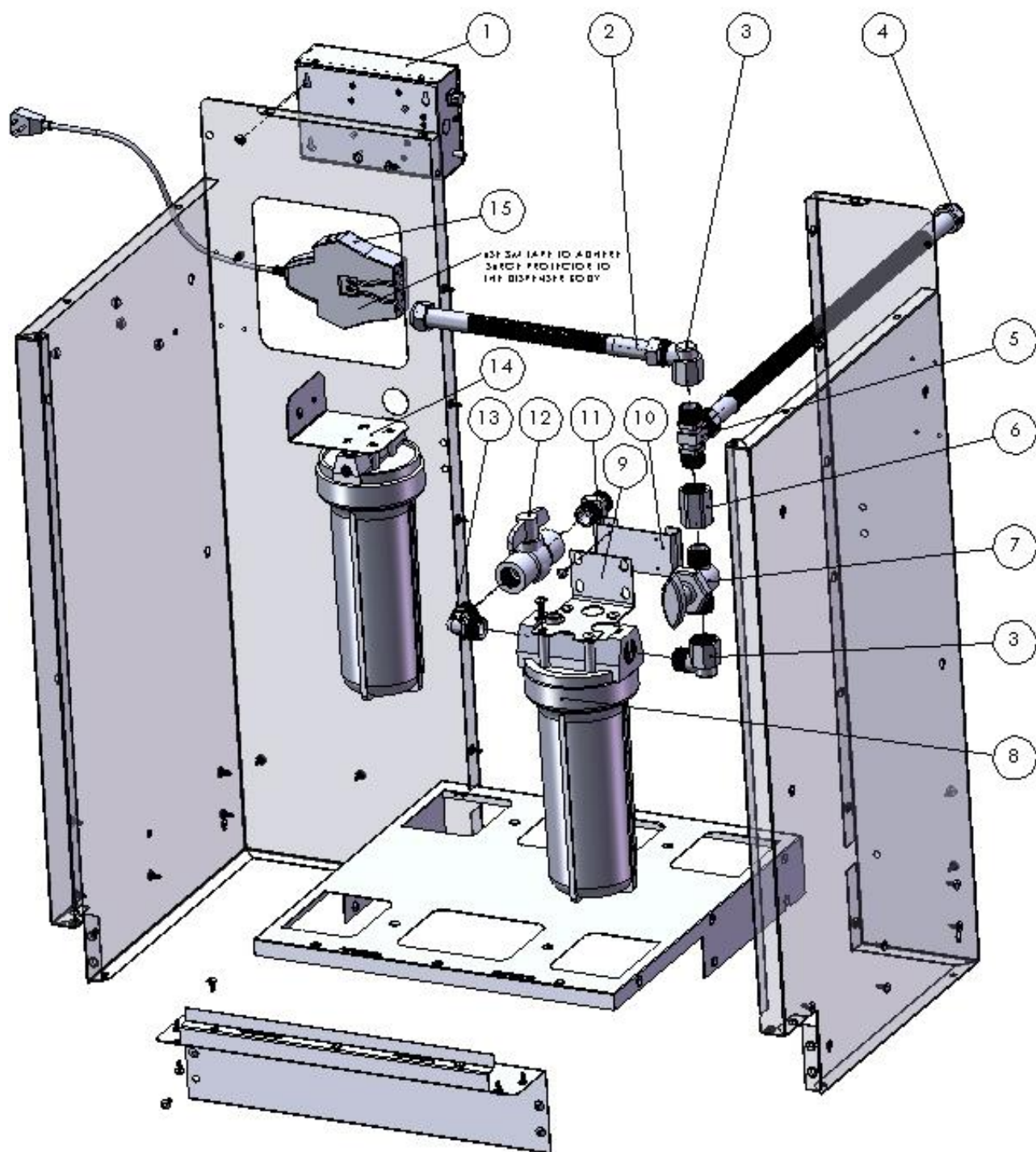
4. 096048, Exploded Parts List Dispenser Head Assembly



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

Item #	Part #	Description	Qty
1	080337	Generator, Ozone, Poseidon, 12VDC	1
2	036029	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 12L	1
3	034050	Elbow, 3/4"FPT x 5/8"OD Tube, AC	2
4	036028	Connector, SS Flex, 3/4" X 3/4" FIP X 3/4"ID X 24L	1
5	F052	Quest Tee 3/4" Thread, 5/8" OD	1
6	034051	Coupler, 3/4"FPT BE, ACETAL	1
7	F062	Quest Shutoff 3/4" Thread, 5/8" OD	1
8	F452	Filter- Housing 10" Blue, 3/4" FPT	1
9	331168	Filter- Bracket 10"	1
10	330495	Filter Wall Mount Bracket, Clinch Nut	1
11	F048	Quest 3/4" x 3/4"	1
12	034104	Valve, Ball, Compact, White 3/4", threaded, PVC	1
13	034053	Elbow 90deg, 3/4" MPT x 3/4" MPT	1
14	080340	DI Dryer Housing, Cartridge,5",3/8FPT W/PR	1
15	060156	Surge Protector, 8 Outlet, 1330 J, 8' Cord	1
not shown			
	F456	Cartridge, Charcoal, Rad Flow,5mic,10"(for Item#8)	
	080342	Silica Gel, Ozone System (for Item #14)	

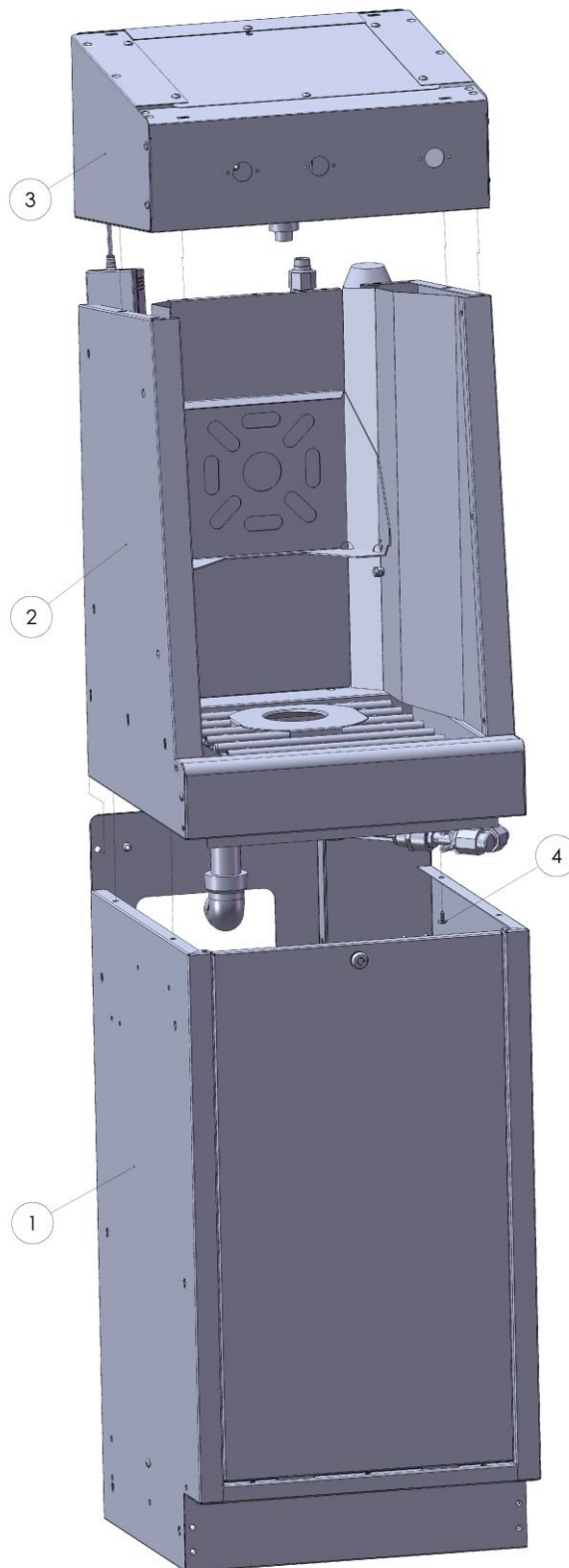
5. 096050, Exploded Parts List Plumbing, Filter, Dryer Kit Single Dispenser, BFDSA-1



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

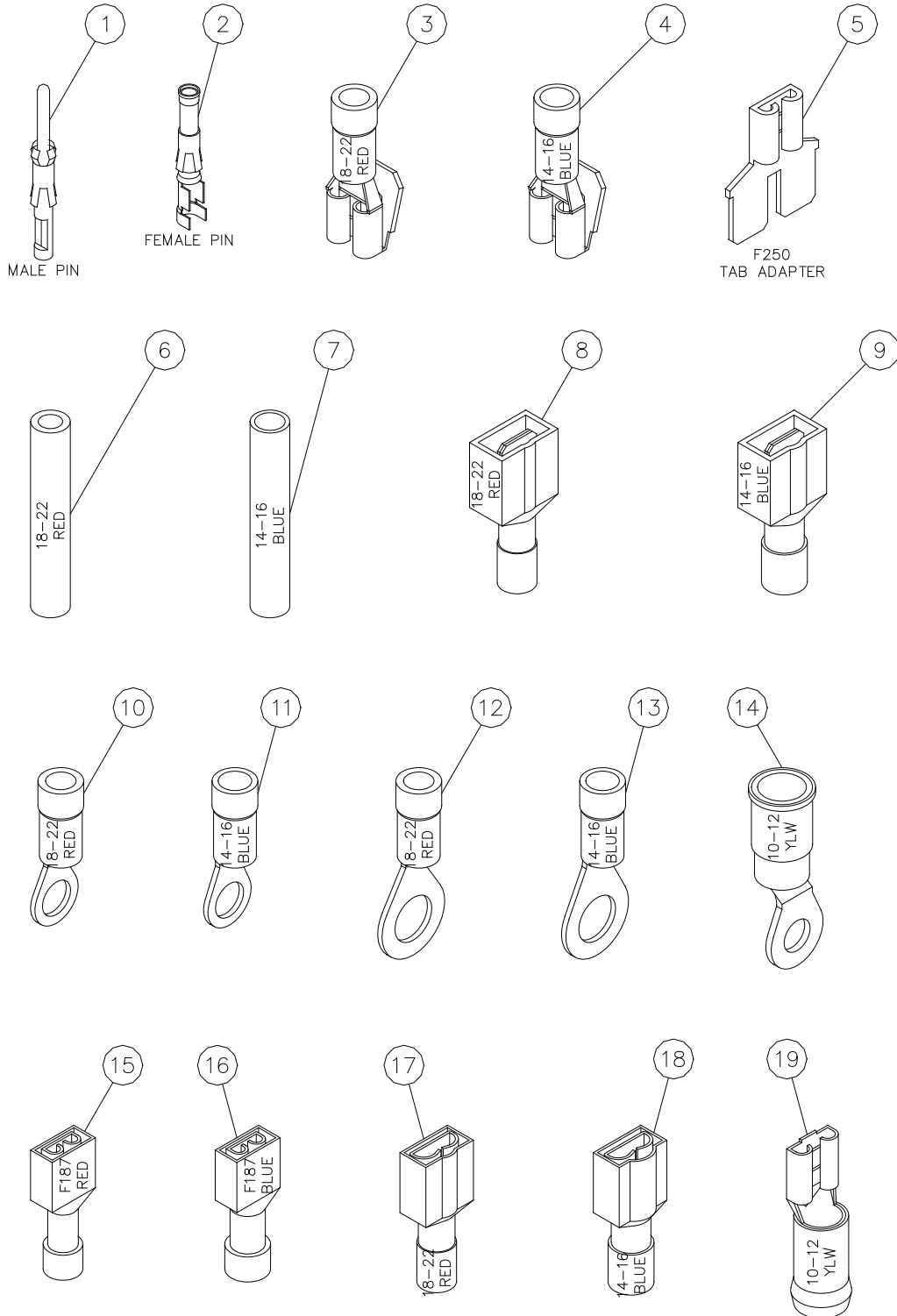


7. **094109, Exploded Parts List**

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

7. 094109, Exploded Parts List Electrical Terminals



Wiring List - PURELY NATURAL SINGLE DISPENSER, BFDSA-1 PART # 330443A							
No.	Part#	Color	Ga	Length	From Conn.	SERIES 1	
						To Conn.	To Location
1	330286	BLK/WHT	18	FULL 72"	PLUG	F250 #18-#22	TRANSFORMER
2	330296	BLK	18	FULL 72"	PLUG	F250 #18-#22	TRANSFORMER
4		BLK	16	12"	F250 #14-#16	F250 #14-#16	TERMINAL BLOCK (LH TAB)
5		RED	16	20"	F250 #14-#16	F250 #14-#16	TERMINAL BLOCK (LH TAB)
6		RED	16	14	F250 #14-#16	BARE	TERMINAL BLOCK (LH TAB)
7	064026	BLK	16	96"	F250 #14-#16	F250 #14-#16	TERMINAL BLOCK (RH TAB)
8		BLU	16	8"	BARE	BARE	TIMER BASE 7
9		RED	16	8"	BARE	BARE	TIMER BASE 3
10		BRN	16	14"	BARE	PIGG #14-#16	TIMER BASE 1
11		WHT	16	14"	BARE	PIGG #14-#16	TIMER BASE 8
12		BLK	16	10"	BARE	F250 #14-#16	TIMER BASE 8
13		BLU	16	12"	BARE	F250 #14-#16	TIMER BASE 8
14		BLU	16	12"	BARE	F250 #14-#16	TIMER BASE 7
15		ORG	16	9"	F250 #14-#16	F250 #14-#16	HEAD SOLENOID B
16		ORG	16	9"	F250 #14-#16	F250 #14-#16	HEAD SOLENOID A
24	064026	BRN	16	96"	F250 #14-#16	F250 #14-#16	RINSE SWITCH WHITE NO
25	080377	BLK	18	FULL 72"	F187 #18-#22	PLUG	RINSE SWITCH BLACK COM
26	080377	BLK	18	FULL 72"	F187 #18-#22	PLUG	RINSE SWITCH BLACK NO

NOTES: 1. #1 & #2 WIRES ARE ATTACHED TO THE TRANSFORMER.
2. #25 & #26 WIRES ARE ATTACHED TO THE OZONE GENERATOR PLUG.
3. #7 & #24 WIRES ARE 6 CONDUCTORS CABLE, ONLY 2 ARE USED ON TOP TO BOTTOM (RED, WHITE, GREEN & BLUE WIRES ARE NOT USED).
TOP END STRIP SHEATH 32" AND LOCK @ GROMMENT 34" WITH TIE STRAP. BOTTOM END STRIP SHEATH 18".

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

