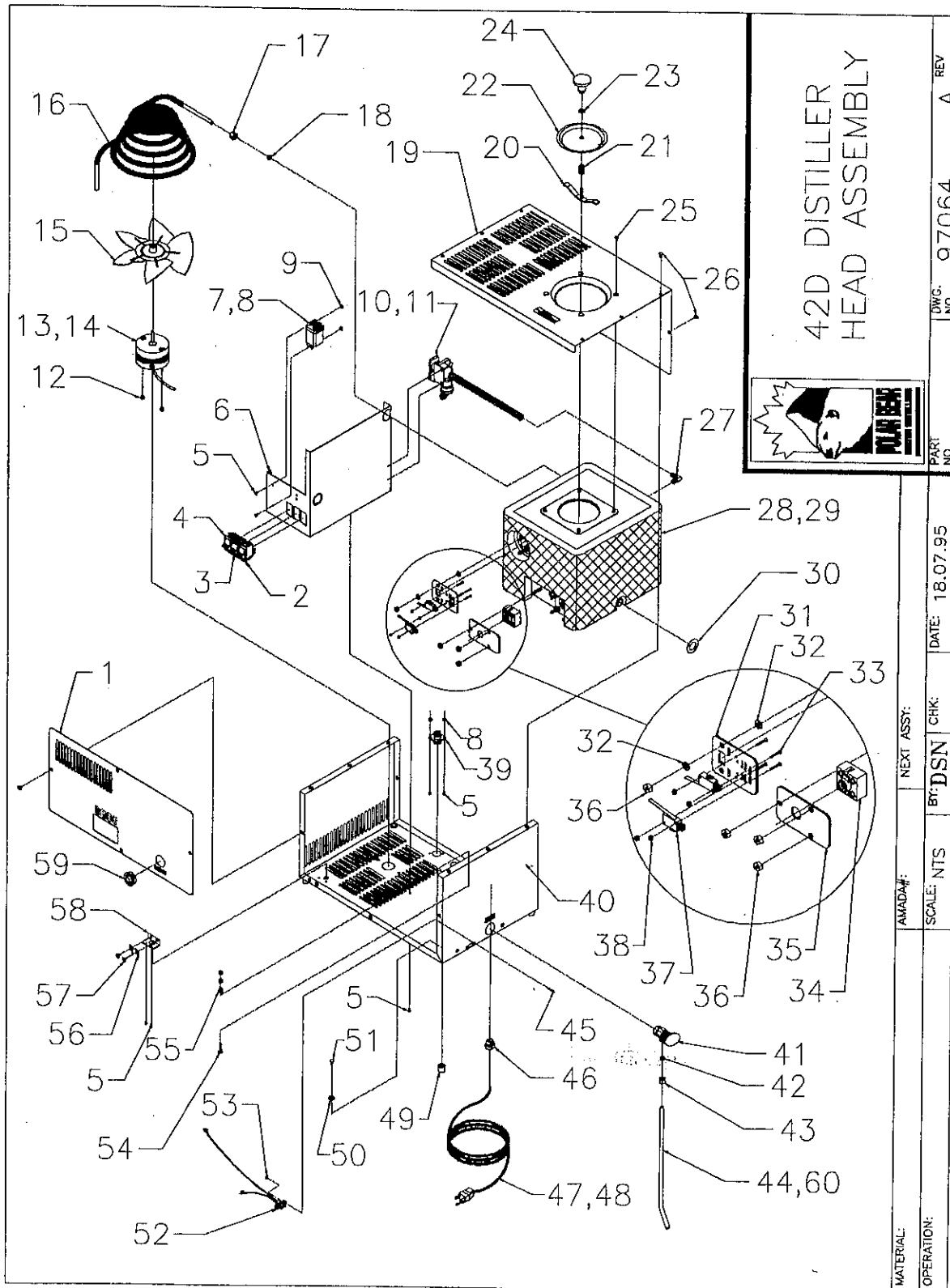


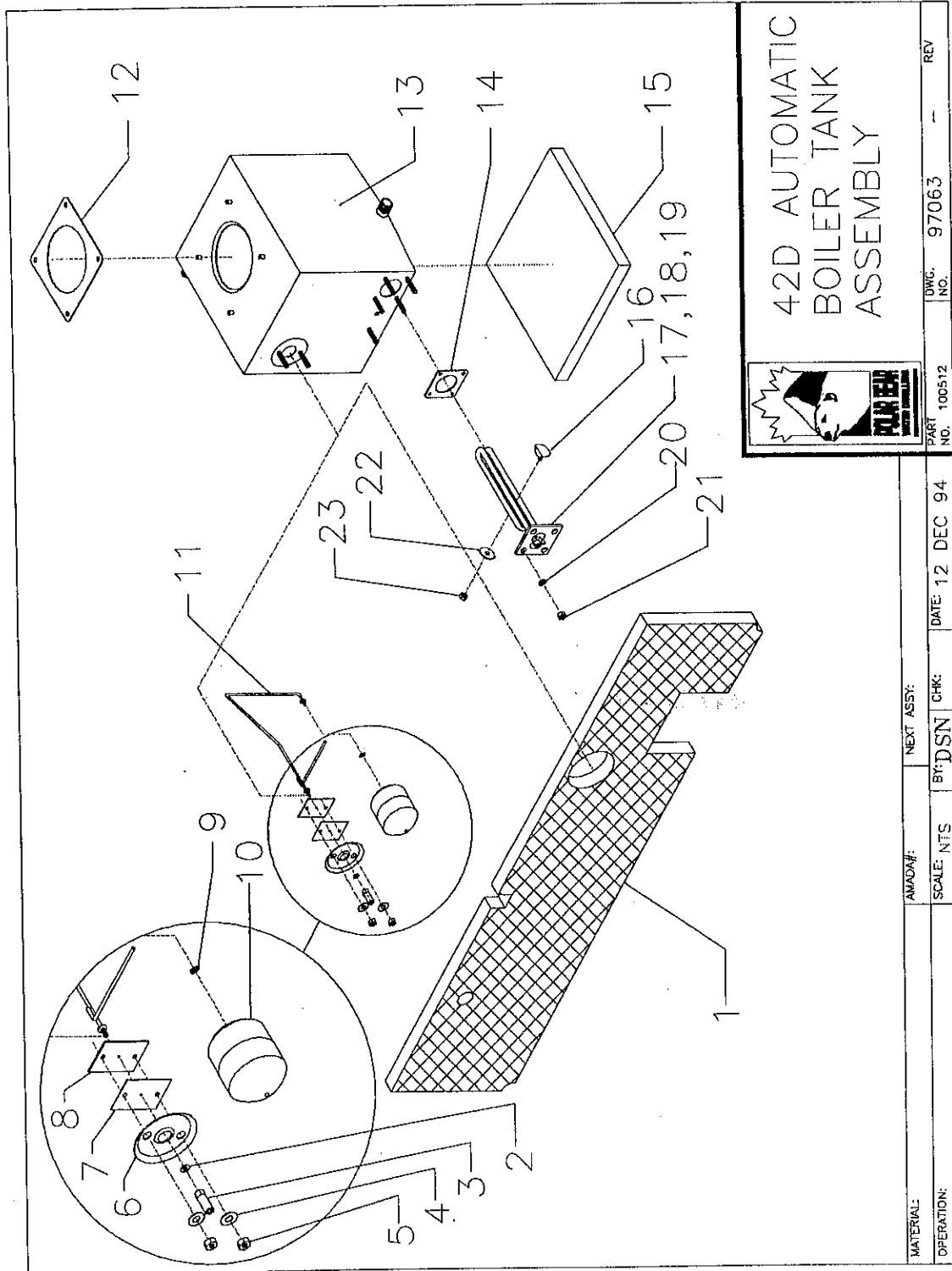
Parts Diagram: Head Assembly



Parts List: Head Assembly

Line	Qty	Item	Description
1	1	101102	COVER FRONT, SERIES 3, 42D
2	1 EA	102094	SWITCH ROCK, BLU, SPST120 220V
3	1 EA	102093	SWITCH ROCK, CLR, SPST120 220V
4	1 EA	102092	SWITCH ROCKER, RED, SPST120 220V
5	10 EA	80004	RIVET, ALUMINUM, 1/8"X1/4"
6	1	101057	DIVIDER, MIDDLE, 42-D
7	1 EA	100129	RELAY, 120V 15A
8	1 EA	100128	RELAY, 220V 15A
9	4	15101	WASHER, FLAT, ALUM, 0.140x3/8"
10	1	100501	ASSEMBLY, SOLENOID VALVE, 120V
11	1	100526	ASSEMBLY, SOLENOID VALVE, 220V
12	2 EA	15505	NUT, KEP #8-32
13	1	101199	FAN MOTOR ASSM, 110V, 42D
14	1	101200	FAN MOTOR ASSM, 220V, 42D
15	1 EA	101061	FAN BLADE, ALUMINUM, 8"
16	1	101060	CONDENSOR COIL, 42-D
17	1	30002	NUT, COMPRESION, PLTD, BRASS
18	1 EA	30003	SLEEVE, COMPRESSION, 3/8"
19	1	101103	TOP/BACK COVER, SERIES 3, 42D
20	1	100302	B.T. T-BAR ASSEM
21	1 EA	100069	SPRING, B.T. LID
22	1	100070	LID DISC, B.T. S.S.
23	1 EA	100205	ORING, RUBBER, 1/2"IDx11/16"OD
24	1 EA	100071	KNOB, LID, PLASTIC STAMPED
25	4 EA	10123	SCREW, SS, #10-24X3/8"
26	13 EA	10109	SCREW, SHITMTL, SS, #10-12x1/2"
27	1 EA	30008	ELBOW, 90DEG, 3/8"BARB-1/8"MPT
28	1	101115	B.T. 42D, 120V, 1500W, COMPLETE
29	1	101116	B.T. 42D, 220V, 1500W, COMPLETE
30	1	15102	WASHER, FLAT, ALUM, 7/8x1-1/2"
31	1	100428	UNIVERSAL LEXAN SWITCH PLATE
32	4	15003	WASHER, FLAT, S.S., 5/16"X11/16"
33	4 EA	10105	SCREW, MACH, RND, SLOT, #4-40X3/4
34	1 EA	100122	SWITCH, BOILER TANK RESET
35	1	100119	PLATE, B.T.-LEXAN-RESET
36	5 EA	15502	NUT, HEX, 1/4", PLATED
37	2 EA	60004	MICROSWITCH, B.T. FLOAT
38	4 EA	15504	NUT, KEP #4-40
39	1 EA	100124	CONNECTOR, 7 PIN RECEPTACLE
40	1	101101	BASE FRAME, 42D, SERIES 3
41	1 EA	100079	VALVE, ANGL STP, 1/2"FPT-3/8COMP
42	1 EA	30003	SLEEVE, COMPRESSION, 3/8"
43	1	30002	NUT, COMPRESION, PLTD, BRASS
44	1	101085	TUBE, IMPURITIES DRAIN, D-25
45	2 EA	10105	SCREW, MACH, RND, SLOT, #4-40X3/4
46	1 EA	80061	STRAIN RELIEF 7K2
47	1 EA	101104	POWER CORD SET, 14-3C, SJT, N.A.
48	1 EA	101089	POWER CORD, 14-3, 20A PLUG
49	4	100536	26D-8/42D COMPLETE LEG ASSEMBL
50	4	15003	WASHER, FLAT, S.S., 5/16"X11/16"
51	4 EA	10104	SCREW, MACH, PLTD, #10-24 X 1/2
52	1	101145	42D FEMALE AUTODRAIN PLUG ASS.
53	2 EA	15504	NUT, KEP #4-40
54	1 EA	10103	SCREW, MACH, SS, TRS/SKT#10-24X1"
55	3 EA	15503	NUT, KEP #10-24
56	1	100081	CLIP, CONDENSER, ALUM, SECT.
57	2 EA	10109	SCREW, SHITMTL, SS, #10-12x1/2"
58	1	100080	CLIP, CONDENSER, S.S., SECT.
59	1 EA	100146	BUSHING, SNAP, NYLON, 1.25" HOLE
60	1	100153	TUBE, DRAIN-B.T., D8, C8, D10

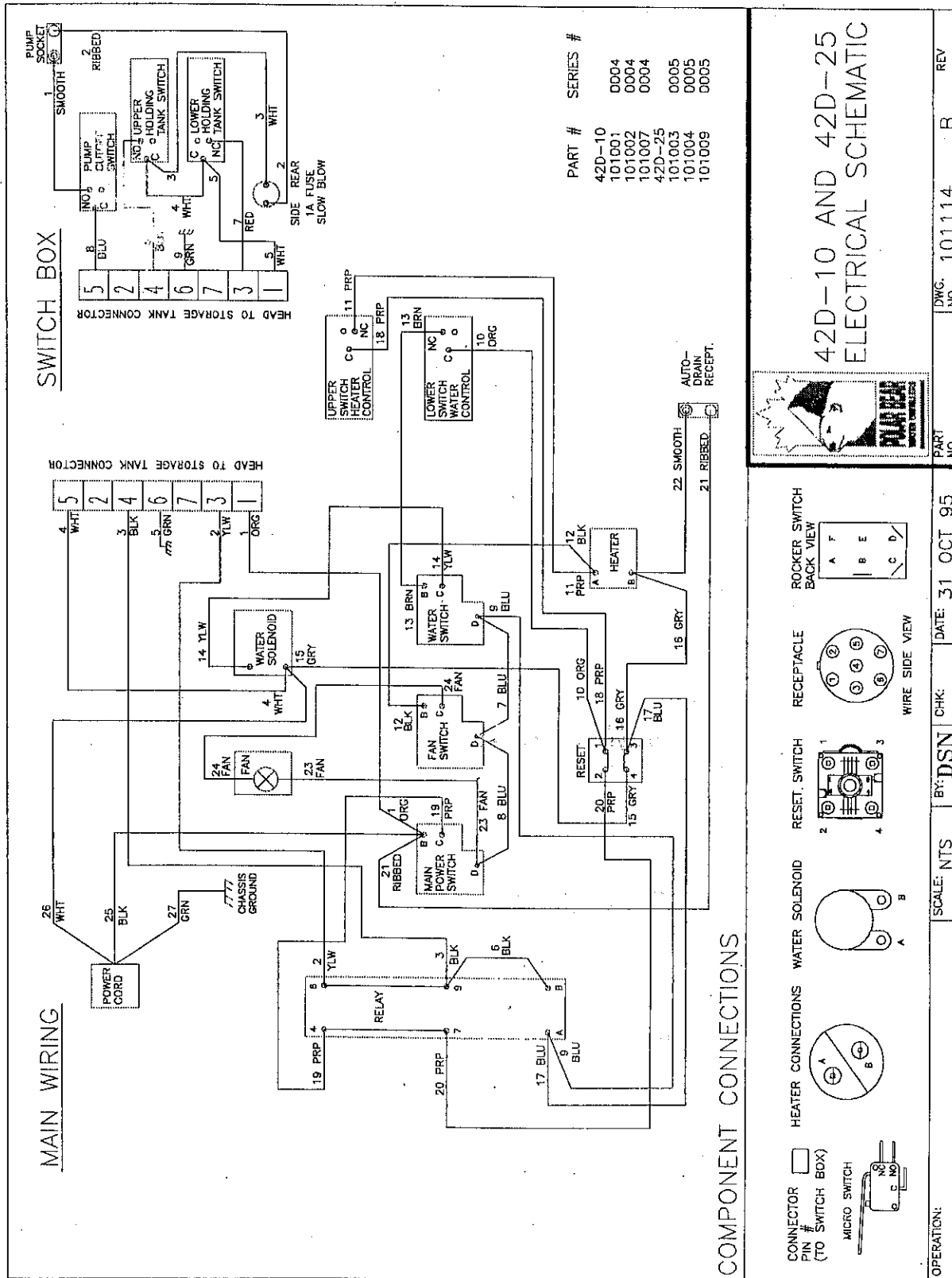
Parts Diagram: Boiler Tank Assembly



Parts List: Boiler Tank Assembly

Line	Qty	Item	Description
1	1	101086	INSULATION, 42D BOILER TANK,
2	1	15001	WASHER, FLAT, SS, 5/32 X 3/8"
3	1 EA	100060	FLOAT, BRASS CONTACT
4	2	15003	WASHER, FLAT, S.S., 5/16" X 11/16"
5	2 EA	15501	HEX NUT, SS, 1/4" - 20
6	1	100062	BOILER TANK FLOAT WASHER
7	1	100067	BOILER TANK FLOAT GASKET, NTEAR
8	1	100066	BOILER TANK FLOAT GASKET SILIC
9	1 EA	15204	WASHER, LOCKTOOTH, SS, EXTRNL #8
10	1 EA	100058	FLOAT BALL, 2.5" S.S.
11	1	101144	B.T. FLOAT ROD, W.A., 42D
12	1	100068	BOILING TANK LID GASKET SILICO
13	1	101100	BOILER TANK, 42D, SERIES 3, W.A
14	1	100065	HEATING ELEMENT GASKET, SILICO
15	1	101132	INSULATION, BOILER BOTTOM
16	1	100063	HEATING ELEMENT CLIP WELD ASSE
17	1 EA	101071	HEATING ELEMENT, 1500W, 125V
18	1 EA	101072	HEATING ELEMENT, 1500W, 230V
19	1 EA	101088	HEATING ELEMENT, 1700W, 125V
20	4	15003	WASHER, FLAT, S.S., 5/16" X 11/16"
21	4 EA	15502	NUT, HEX, 1/4", PLATED
22	1	15002	WASHER, FLAT, SS, 5/16" X 1"
23	1 EA	15501	HEX NUT, SS, 1/4" - 20

Wiring Diagram



Wiring List

Main Wiring

#	Part #	Color	Ga.	Length in. mm	From Conn. Part #	To Conn. Part #	From Location	To Location
1	101156	ORG	16	24.5 622	F/M PIN 60014	PIGG 60016	CONN #1	MAIN PWR SW #B
2	101157	YLW	16	25 635	F/M PIN 60014	F250 60001	CONN #3	RELAY #6
3	101158	BLK	16	25 635	F/M PIN 60014	PIGG 60016	CONN #4	RELAY #9
4	100319	WHT	16	6.5 165	F/M PIN 60014	PIGG 60016	CONN #5	WATER SOLENOID B
5	100647	GRN	16	6 152	F/M PIN 60014	RING 60002	CONN #6	GROUND STUD
6	100321	BLK	14	3 76	F250 60001	F250 60001	RELAY #9	RELAY #B
7	100322	BLU	14	3 76	PIGG 60016	PIGG 60016	WATER SW #D	FAN SW #D
8	100323	BLU	14	3 76	PIGG 60016	F250 60001	PWR SW #D	FAN SW #D
9	100324	BLU	14	11.5 292	PIGG 60016	F250 60001	RELAY #A	WATER SW #D
10	101159	ORG	14	6 152	SPADE 60012	F187 60011	RESET #1	BOT MSW #C (Water)
11	101160	PRP	14	9 229	F187 60011	SPADE 60012	TOP MSW #NC(Heater)	HEATER #A
12	101161	BLK	14	15 381	SPADE 60012	F250 60001	HEATER #A	FAN SW #B
13	101162	BRN	16	16.5 419	F187 60011	F250 60001	BOT MSW #NC (Water)	WATER SW #B
14	101163	YLW	16	22 559	F250 60001	F250 60001	WATER SW #C	WATER SOLENOID A
15	101164	GRY	14	21 533	SPADE 60012	PIGG 60016	RESET #4	WATER SOLENOID B
16	101165	GRY	16	4 102	SPADE 60012	SPADE 60012	HEATER #B	RESET #3
17	100648	BLU	14	19 483	SPADE 60012	F250 60001	RESET #3	RELAY #A
18	101166	PRP	14	8 203	SPADE 60012	F187 60011	RESET #1	TOP MSW #C (Heater)
19	101167	PRP	14	9.5 241	F250 60001	F250 60001	MAIN PWR SW #C	RELAY #4
20	101168	PRP	14	13 330	F250 60001	SPADE 60012	RELAY #7	RESET #2
21	101145	ORG	14	12 305	BUTT 60019	PIGG 60016	AUTODRAIN RIBBED 7"(178mm)	MAIN PWR SW #B
22	101145		18			SPADE 60012	AUTODRAIN SMOOTH 7" (178mm)	HEATER #B
23	101199 (110V) 101200 (220V)		18			F250 60010	FAN 6"(152mm)	FAN SW #C
24	101199 (110V) 101200 (220V)		18			F250 60010	FAN 6" (152mm)	PWR SW #D
25	101104		16			F250 60001	PWR CORD BLK 15.5"(394mm)	MAIN PWR SW #B
26	101104		16			F250 60001	PWR CORD WHT 5.5"(140mm)	WATER SOLENOID #B
27	101104		16			RING 60002	PWR CORD GRN 3"(76mm)	GROUND STUD

Switch Box

1	100372		18			F187X 60028	AUTODRAIN SMOOTH 6.5"(165mm)	PUMP SHUTOFF SW (No)
2	100372		18			FLAG 60031	AUTODRAIN RIBBED 2.5"(64mm)	FUSE SIDE TERMINAL
3	100338	WHT	16	11.5 292	FLAG 60023	F187X 60058	FUSE END TERMINAL	UPPER LEVEL MSW (C)
4	100339	WHT	16	3.5 89	F187X 60058	(same)	LOWER LEVEL MSW (C)	(same)
5	100336	WHT	18	8 203	(same)	M PIN 60015	(same)	CONN #1
6	100336	BLK	18	9 229	M PIN 60015	F187 60061	CONN #4	UPPER LEVEL MSW(NO)
7	100336	RED	18	8 203	M PIN 60015	F187 60061	CONN #3	LOWER LEVEL MSW(NC)
8	100336	BLU	18	8.5 216	M PIN 60015	F187 60061	CONN #5	PUMP SHUTOFF SW (C)
9	100336	GRN	18	2 51	M PIN 60015	RING 60020	CONN #6	GROUND SCREW

PART #	DESCRIPTION	60030	Ring, #10, 10-12 AWG
60001	Receptacle, F250, 14-16 AWG	60031	Receptacle, F250, FLAG, 18-22 AWG
60002	Ring, #10, 14-16 AWG	60032	Tab, F250, 14-16 AWG
60010	Receptacle, F250, 18-22 AWG	60033	Ring, 1/4", 14-16 AWG
60011	Receptacle, F187, 14-16 AWG	60034	Ring, #6, 14-16 AWG
60012	Spade, #10, 14-16 AWG	60050	Tab, F250, 18-22 AWG
60013	Receptacle, F250, PIGGI, 18-22 AWG	60056	Receptacle, F250, 18-22 AWG, large opening
60014	Pin, Female	60057	Receptacle, F250, 10-12 AWG
60015	Pin, Male	60058	Receptacle, F187, 14-16 AWG, large opening
60016	Receptacle, F250, PIGGI, 14-16 AWG	60059	Tab, F250, 18-22 AWG, large opening
60019	Butt Splice, 14-16 AWG	60060	Ring, #10, 18-22 AWG
60020	Ring, 1/4", 18-22 AWG	60061	Receptacle, F187, 18-22 AWG
60023	Receptacle, F250, FLAG, 14-16 AWG	60062	Ring, #6, 18-22 AWG
60028	Receptacle, F187, 18-22 AWG, large opening	60025	Butt Splice, 18-22 AWG