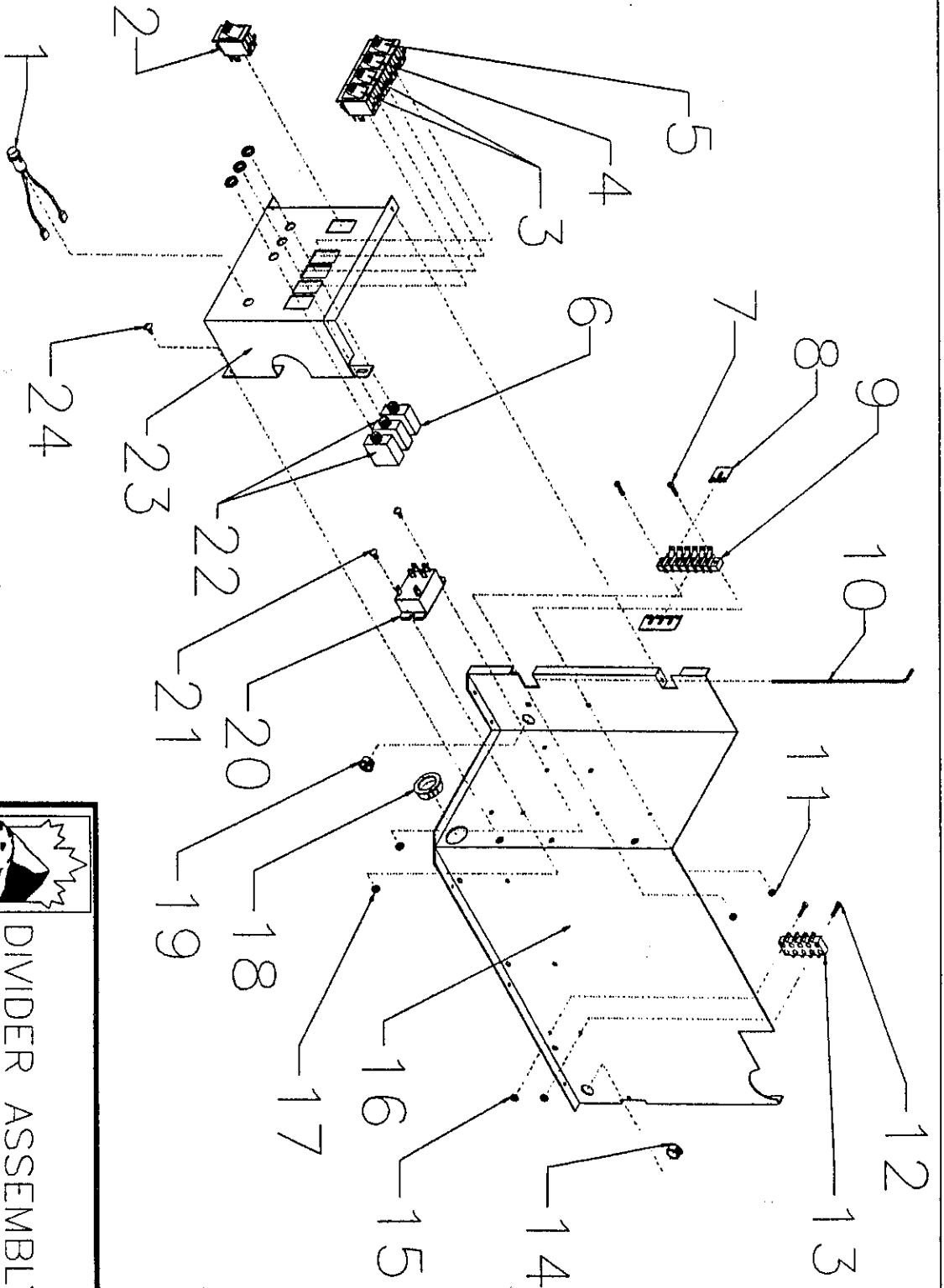


Parts List: Condenser Coil and Support Assembly

Line	Qty	Item	Description
1	1	102381	200-L CONDENSER COIL TOP COVER
2	2 EA	30083	CLIP, JOHN GUEST, 1/4" LOCKING
3	2	30002	NUT, COMPRESION, PLTD. BRASS
4	4 EA	80004	RIVET, ALUMINUM, 1/8"X1/4"
5	2	102380	200-L CONDENSER COIL SPACERS
6	1 EA	100069	SPRING, B.T. LID
7	1	102125	200-L INNR COND COIL S3
8	3 EA	30093	CLIP, LOCK, POLY, JOHN GUEST, 3/8"
9	1 EA	30092	DIVIDER, 3/8" TUBE-3/8" TUBE, JG
10	1	102126	200-L OUTR COND COIL S3
11	1 EA	15503	NUT, KEP, #10-24
12	1 EA	80163	J-BOLT, PLATED, #10-24X 1-7/8"
13	2	102415	CONDENSER COIL SPACER BRACE
14	2 EA	10109	SCREW, SHTMTL, SS, #10-12x1/2"
15	1	102444	CONDENSER SUPPORT S5 ON
16	8 EA	10109	SCREW, SHTMTL, SS, #10-12x1/2"
17	12 EA	80004	RIVET, ALUMINUM, 1/8"X1/4"
18	1	102174	200-L CONDENSER COWLING
19	1 FT	41000	TUBING, SS#304, 3/8" OD .028X25'

Parts Diagram: Divider Assembly



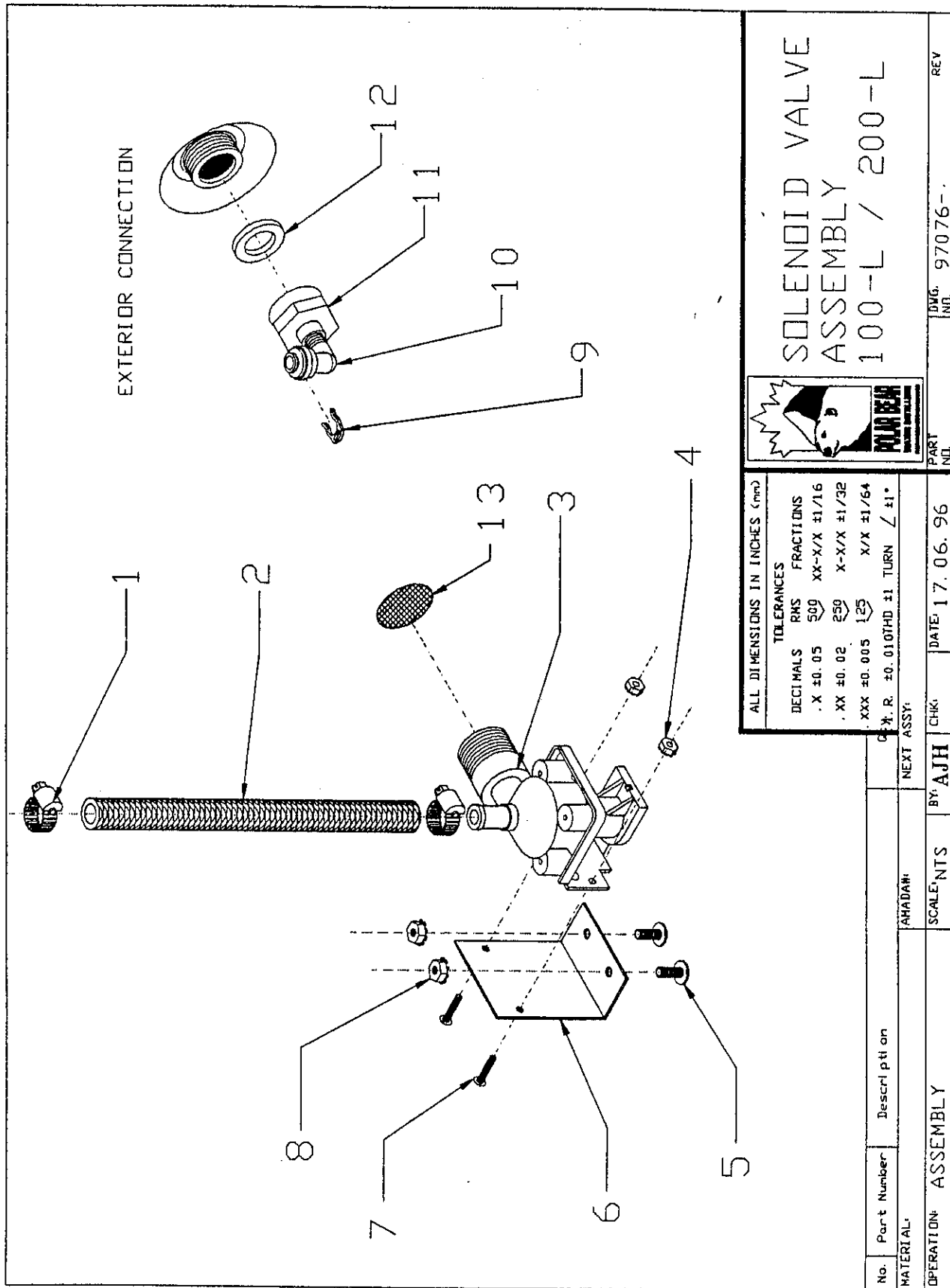
DIVIDER ASSEMBLY,
200-L S7

OPERATION:	SCALE: NTS	BY: AJH	CHK:	DATE: 18.06.96	PART NO.	DWG. NO. 97270-	REV
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Parts List: Divider Assembly

Line	Qty	Item	Description
1	1 EA	102288	INDICATOR,RED,220V,ALARM ASSM
2	1 EA	102091	SWITCH,ROCKER,RED,DPST,220V
3	2 EA	102094	SWITCH,ROCK,BLU,SPST120 220V
4	1 EA	102093	SWITCH,ROCK,CLR,SPST120 220V
5	1 EA	102092	SWITCH,ROCKER,RED,SPST120 220V
6	1 EA	102159	BREAKER, 5 AMP
7	2 EA	10120	SCREW,MACH,PLTD,PAN,6-32x5/8
8	1	102182	JUMPER STRIP,ALUMINUM
9	1 EA	102160	TERM BLOCK,1x6POS,DBL-TAB@45
10	1	102152	200-L DOOR HINGE PIN
11	2 EA	15507	NUT,KEP,#6-32
12	2 EA	10120	SCREW,MACH,PLTD,PAN,6-32x5/8
13	1 EA	102161	TERMINAL BLOCK,2 x 3 POS
14	1 EA	100115	BUSHING,WIRE,5/8"
15	2 EA	15507	NUT,KEP,#6-32
16	1	102355	200-L SERIES 3 MIDDLE DIVIDER
17	2 EA	15505	NUT,KEP #8-32
18	1 EA	100146	BUSHING,SNAP,NYLON,1.25"HOLE
19	1 EA	100115	BUSHING,WIRE,5/8"
20	1 EA	102445	RELAY,DPST,P&B T92, 240V, 30A
21	2 EA	10102	SCREW,MACH,SS,TRUSPHLP8-32X3/8
22	2 EA	102158	BREAKER, 30 AMP
23	1	102153	200-L SWITCH DOOR
24	2 EA	10109	SCREW,SHTMTL,SS,#10-12x1/2"

Parts Diagram: Solenoid Valve Assembly



ALL DIMENSIONS IN INCHES (mm)			
DECIMALS	RMS	FRACTIONS	
.X ±0.05	50g	XX-X/X ±1/16	
.XX ±0.02	25g	X-X/X ±1/32	
.XXX ±0.005	125	X/X ±1/64	
H. R. ±0.010THD ±1 TURN / ±1°			

Part Number		Description		AHADAH		NEXT ASSY	
MATERIAL							
OPERATION		ASSEMBLY		SCALE		NTS	
				BY: AJH		CHK:	
				DATE: 17.06.96		DWG. NO. 97076--	
						REV	

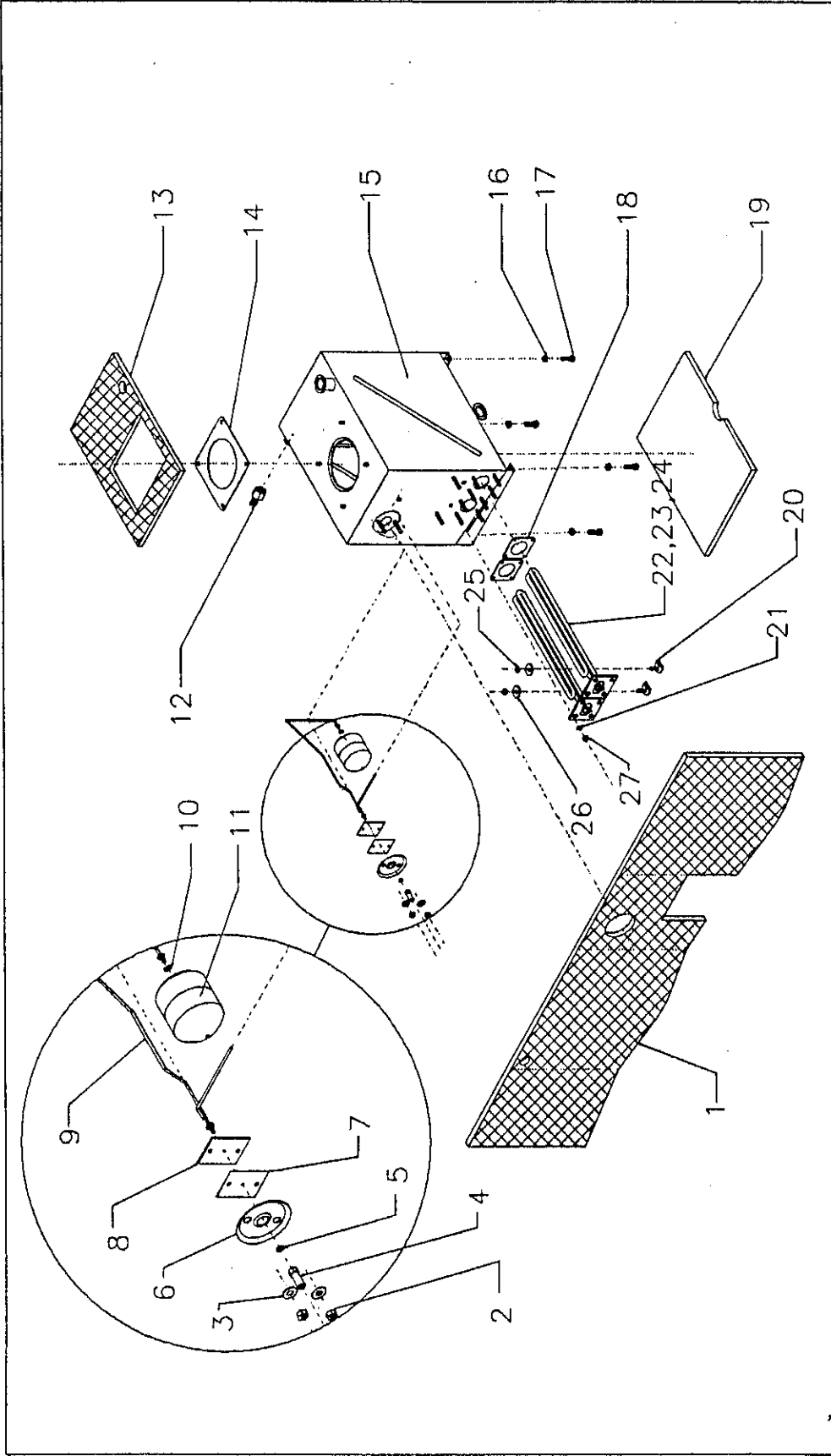


SOLENOID VALVE ASSEMBLY
100-L / 200-L

Parts List: Solenoid Valve Assembly

Line	Qty	Item	Description
1	2 EA	80014	GEAR CLAMP, 5/8", S.S.
2	1	102377	TUBE, 3/8" PREHEATER FILL LINE
3	1 EA	100092	VALVE, SOLENOID, SUPPLY, 240V, S-54
4	2 EA	15507	NUT, KEP, #6-32
5	2 EA	10104	SCREW, MACH, PLTD, #10-24 X 1/2
6	2	102325	200-L SER 3 SOLENOID VLV BKT
7	2 EA	10120	SCREW, MACH, PLTD, PAN, 6-32x5/8
8	2 EA	15503	NUT, KEP, #10-24
9	1 EA	30083	CLIP, JOHN GUEST, 1/4" LOCKING
10	1 EA	30082	ELBOW, 90, JG, 1/4 TUBEX 1/8 MPT
11	1 EA	30004	COUPLER, BRASS, 3/4" FGHT-1/8" FPT
12	1 EA	80006	WASHER, BLK NEOPREAN, 1"x5/8x1/8

Parts Diagram: Boiler Tank Assembly





**BOILER TANK ASSEMBLY,
200-L S3 ON**

ALL DIMENSIONS IN INCHES (mm)	
TOLERANCES	
DECIMALS	RMS FRACTIONS
.X ±0.05	509 XX-X/X ±1/16
.XX ±0.02	259 X-X/X ±1/32
.XXX ±0.005	125 X/X ±1/64
I.I.R. ±0.010 THD ±1 TURN / ±1°	

OPERATION: **ASSEMBLY**

No. Part Number Description

MATERIAL:

Qty.

Next Asst:

AMAD: /

SCALE: NTS

BY: **AJH**

CHK:

DATE: 19.07.96

REV

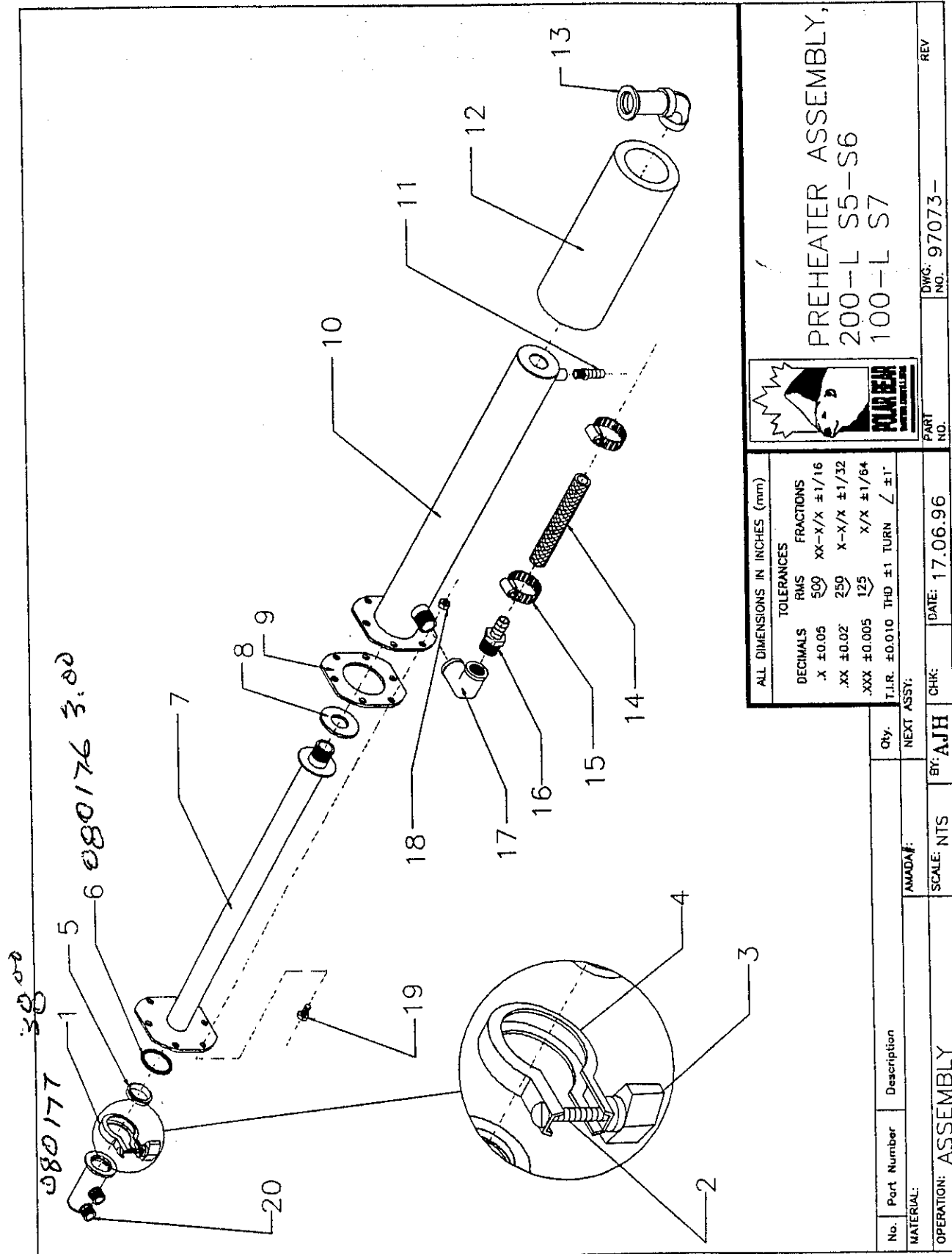
PART NO.

DWG. NO. 97065-

Parts List: Boiler Tank Assembly

Line	Qty	Item	Description
1	1	102362	200-L INSULATION, BOILER SIDES
2	2 EA	15501	HEX NUT, SS, 1/4" - 20
3	2	15004	WASHER, FLAT, SS, 1/4"X1/2"
4	1 EA	100060	FLOAT, BRASS CONTACT
5	1	15001	WASHER, FLAT, SS, 5/32 X 3/8"
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	102410	ASSEMBLY, 200L B.T. FLOAT ROD
10	1 EA	15203	WASHER, SS, LOCKTOOTH, EXT., 1/4"
11	1 EA	100058	FLOAT BALL, 2.5" S.S.
12	1 EA	30078	COUPLER, 1/2" BARB - 1/2" FPT
13	1	102363	200-L INSULATION, BOILER TOP
14	1	100068	BOILING TANK LID GASKET SILICO
15	1	102337	200-L BOILING TANK, SERIES 3
16	4 EA	15513	NUT, HEX, SS, 5/16"
17	4 EA	10128	BOLT, HEX HEAD, SS, 5/16"X 1"
18	2	100065	HEATING ELEMENT GASKET, SILICO
19	1	102301	200-L INSULATION, BOILER BOTTOM
20	2	100063	HEATING ELEMENT CLIP WELD ASSE
21	8	15004	WASHER, FLAT, SS, 1/4"X1/2"
22	2 EA	102075	HEATING ELEMENT, 2500W, 208V
23	2 EA	102076	HEATING ELEMENT, 2500W, 220V
24	2 EA	102077	HEATING ELEMENT, 2500W, 240V
25	2 EA	15501	HEX NUT, SS, 1/4" - 20
26	2	15002	WASHER, FLAT, SS, 5/16"X 1"
27	8 EA	15501	HEX NUT, SS, 1/4" - 20

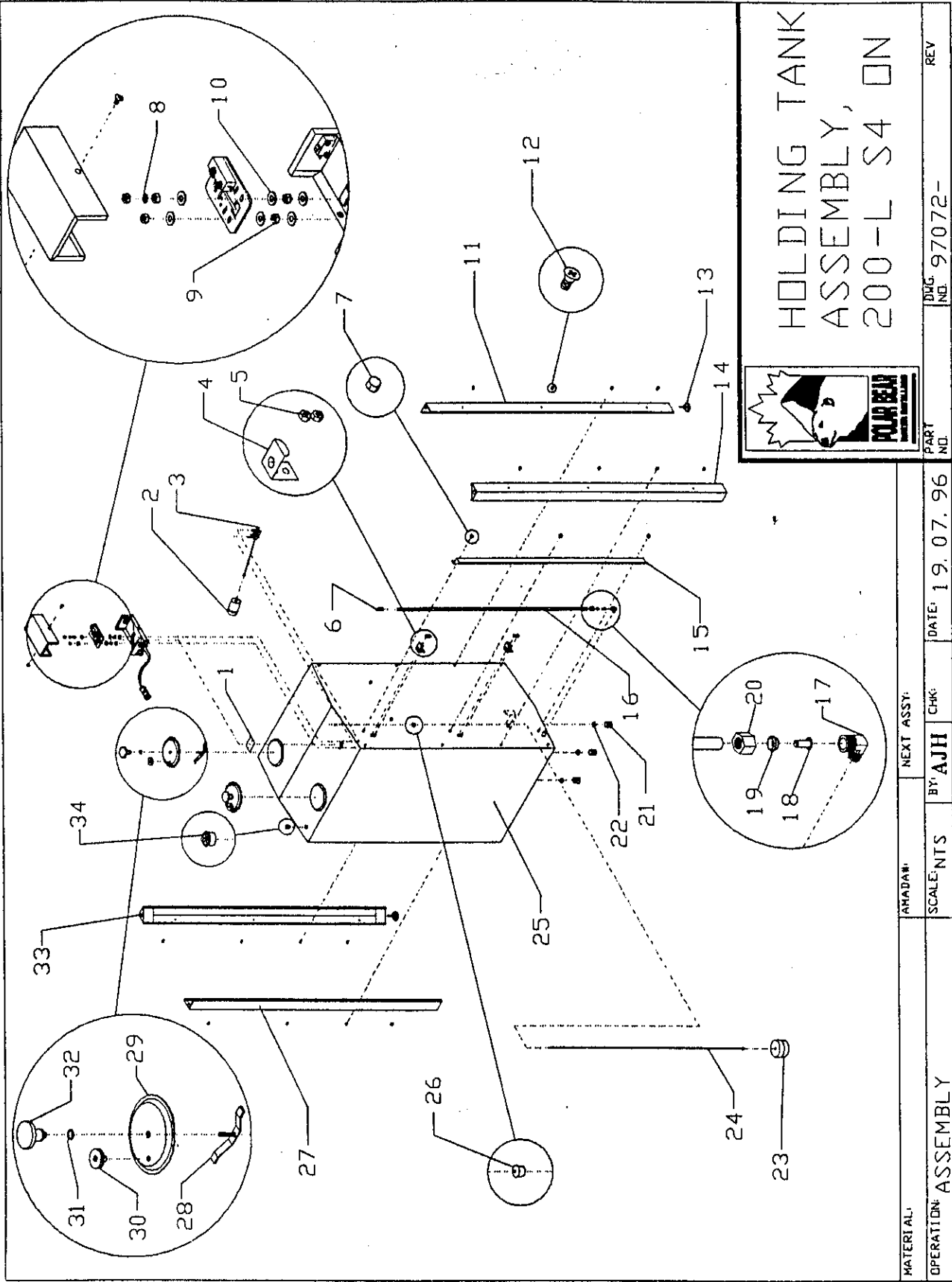
Parts Diagram: Preheater Assembly



Parts List: Preheater Assembly

Line	Qty	Item	Description
1	1	102305	FLANGE RETAINING CLAMP
2	1	10141	BOLT, CARRIAGE, SS, #10-24x2"
3	1 EA	80187	KNOB, #10-24, BLACK
4	1	102450	V-RETAINING CLAMP FLANGE BLANK
5	1 EA	102299	FLANGE CENTERING RING
6	1 EA	80162	O-RING, 3/16"X1-1/8"ID, VITON
7	1	102435	TUBE, PREHEATER INNER, W.A.
8	1	102374	200-L PREHTR INNER SEAL GASKET
9	1	102364	200-L PREHTR OUTER FLANGE GASK
10	1	102343	200-L OUTER PREHEATER TUBE
11	1 EA	30079	COUPLER, 3/8" BARB - 1/8"MPT
12	1	102418	200-L PREHTR INSULATION, 8.5"
13	1	102334	200-L INNER TOWER, WELD ASSEM.
14	1	102375	200-L BOILER TANK FILL LINE
15	2 EA	80014	GEAR CLAMP, 5/8", S.S.
16	1 EA	30035	COUPLER, 1/2" BARB - 1/2"MPT
17	1 EA	30015	ELBOW, 90DEG, 1/2"FPT, BRASS
18	6 EA	15501	HEX NUT, SS, 1/4" - 20
19	6 EA	10121	BOLT, HEX, SS, 1/4"-20 X 1/2"
20	1	102437	PREHEATER QUICK CONNECT STEAM

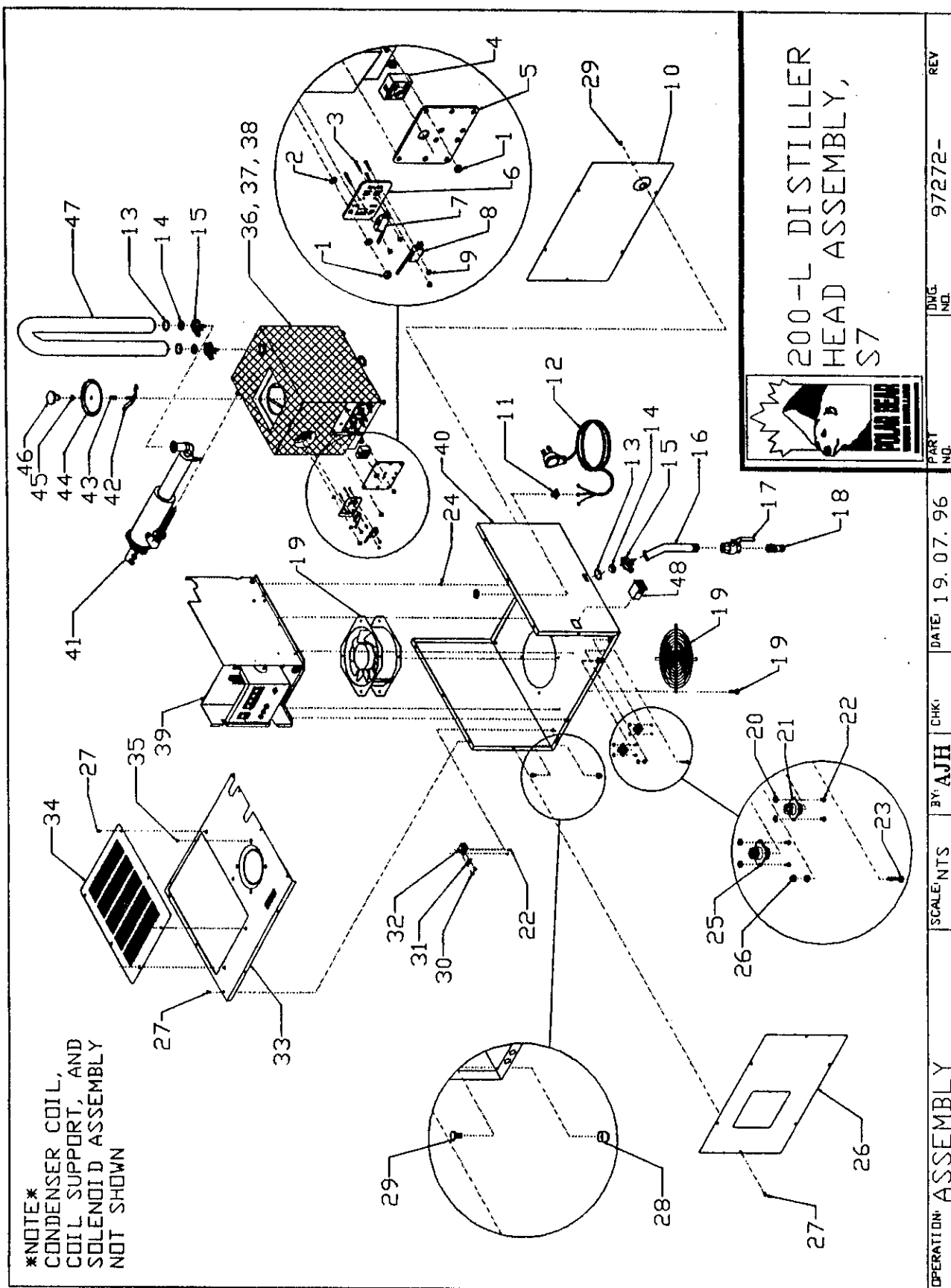
Parts Diagram: Holding Tank Assembly



Parts List: Holding Tank Assembly

Line	Qty	Item	Description
1	1	100066	BOILER TANK FLOAT GASKET SILIC
2	1 EA	100162	FLOAT, H.T., PF-29 1-1/2X2-5/8"
3	1	102201	200-L HLD TANK LEVEL FLOAT ASSEM
4	2	102104	200-L SIGHT TUBE BRACKET
5	4 EA	15501	HEX NUT, SS, 1/4" - 20
6	1 EA	102103	CAP, PLASTIC 3/8" 200-L
7	3 EA	15506	NUT, ACORN, 1/4" S.S.
8	1 EA	15203	WASHER, SS, LOCKTOOTH, EXT., 1/4"
9	5 EA	15501	HEX NUT, SS, 1/4" - 20
10	6	15003	WASHER, FLAT, S.S., 5/16"X11/16"
11	1	102431	LEG. ASSY, REAR LEFT, SERIES 4
12	12 EA	10123	SCREW, SS, #10-24X3/8"
13	2 EA	80164	FOOT, APPLIANCE, 3/8" UNC X 1 1/2"
14	1	102428	LEG. ASSEMBLY, FRONT LEFT,
15	1	102095	200-L SIGHT TUBE GUARD
16	1	102102	200-L SIGHT TUBE, ACRYLIC
17	1	30064	ELBOW, 90, 3/8" TUBE-1/8" MPT, PLTD
18	1 EA	30021	INSERT, BRASS, 0.25" ID
19	1 EA	30003	SLEEVE, COMPRESSION, 3/8"
20	1	30002	NUT, COMPRESSION, PLTD, BRASS
21	3 EA	30076	CAP, 1/2 NPT PLASTIC
22	3	100535	GASKET, DRAIN NIPPLE, 1 1/2"
23	1 EA	102169	FLOAT, H.T., PF-24
24	1	102197	PUMP FLOAT ROD ASSEM
25	1	102367	HOLDING TANK W.A.S4 USE 102367
26	1	100165	NYLON PLUG, 7/16" DRILLED
27	1	102429	LEG. ASSEMBLY, FRONT RIGHT,
28	1	100302	B.T. T-BAR ASSEM
29	1	100054	H.T. LID DISC
30	1 EA	100117	FILTER CANNISTER, 2U, PTFE, 2uM
31	1 EA	100205	ORING, RUBBER, 1/2" IDx11/16" OD
32	1 EA	100071	KNOB, LID, PLASTIC STAMPED
33	1	102430	LEG. ASSEMBLY, REAR RIGHT,
34	1 EA	100115	BUSHING, WIRE, 5/8"

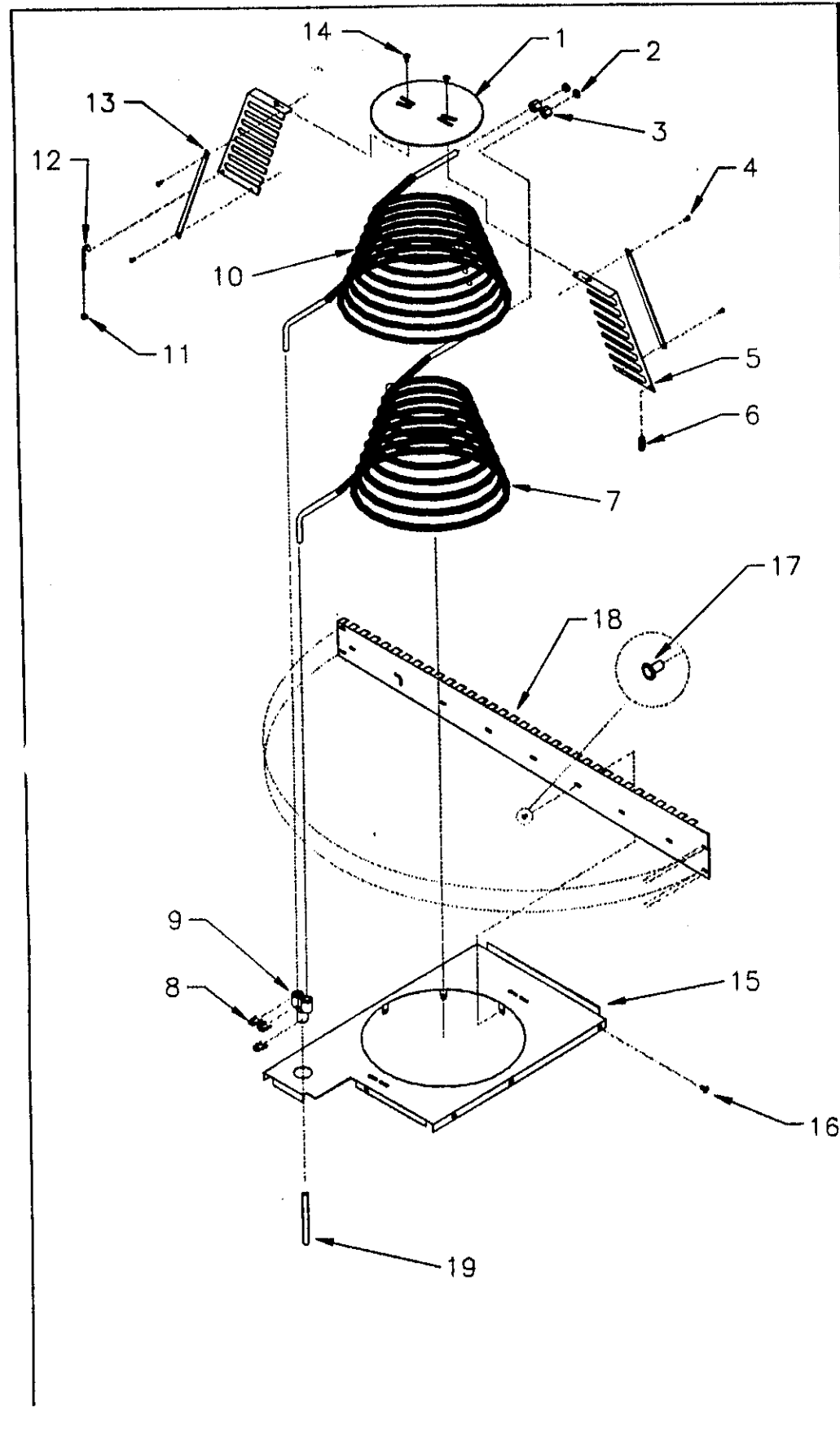
Parts Diagram: Head Assembly



Parts List: Head Assembly

Line	Qty	Item	Description
1	8 EA	15502	NUT, HEX, 1/4", PLATED
2	4	15003	WASHER, FLAT, S.S., 5/16"X11/16"
3	1 EA	10105	SCREW, MACH, RND, SLOT #4-40X3/4
4	1 EA	100122	SWITCH, BOILER TANK RESET
5	1	102155	200-L RESET PLATE, LEXAN
6	1	100428	UNIVERSAL LEXAN SWITCH PLATE
7	1 EA	60005	MICROSWITCH, H.T. FLOAT
8	1 EA	60005	MICROSWITCH, H.T. FLOAT
9	4 EA	15504	NUT, KEP, #4-40
10	1	102391	200-L REAR COVER, SERIES 3
11	1 EA	102085	STRAIN RELIEF, METAL CLAMP
12	1	102289	200-L POWER CORD ASSEM.
13	1 EA	80162	O-RING, 3/16"X1-1/8"ID, VITON
14	1 EA	102299	FLANGE CENTERING RING
15	1	102305	FLANGE RETAINING CLAMP
16	1	102326	DRAIN LINE WELDED ASSEM. SER 3
17	1 EA	30081	VALVE, BALL, BRASS, 3/4"FPT, FULLF
18	1 EA	30085	COUPLER, 3/4"BARB-3/4"MPT
19	1 EA	102451	MOTOR, FAN-TUBE AXIAL, 600CFM230V
20	4	15101	WASHER, FLAT, ALUM, 0.140x3/8"
21	1 EA	100123	CONNECTOR, 4 PIN RECEPT SHELL
22	11 EA	80004	RIVET, ALUMINUM, 1/8"X1/4"
23	2 EA	10103	SCREW, MACH, SS, TRS/SKT#10-24X1"
24	4 EA	15503	NUT, KEP, #10-24
25	1 EA	100124	CONNECTOR, 7 PIN RECEPTACLE
26	1	102106	200-L FRONT COVER
27	30 EA	10109	SCREW, SHTMTL, SS, #10-12x1/2"
28	4 EA	100199	LEG, ALUMINUM, 1/4"
29	4 EA	10133	BOLT, HEX HEAD, PLATD, 1/4-20X1/2
30	2 EA	10109	SCREW, SHTMTL, SS, #10-12x1/2"
31	1	100081	CLIP, CONDENSER, ALUM, SECT.
32	1	100080	CLIP, CONDENSER, S.S., SECT.
33	1	102310	200-L TOP COVER, SERIES 3
34	1	102298	200-L TOP GRATE
35	4 EA	10123	SCREW, SS, #10-24X3/8"
36	1	102448	208V BOILING TANK, COMPLETE, S3ON
37	1	102371	200-L - 220V BOILING TANK, S3ON
38	1	102449	240V BOILING TANK, COMPLETE, S3ON
39	1	102388	200-L MIDDLE DIVIDER ASSEM.
40	1	102456	200-L MAIN BODY, S6
41	1	102439	COMPLETE PREHEATER ASSEMBLY,
42	1	100302	B.T. T-BAR ASSEM
43	1 EA	100069	SPRING, B.T. LID
44	1	100070	LID DISC, B.T. S.S.
45	1 EA	100205	ORING, RUBBER, 1/2"IDx11/16"OD
46	1 EA	100071	KNOB, LID, PLASTIC STAMPED
47	1	102372	200-L REGULAR TOWER W. INSUL.
48	1	60096	220 VOLT HOUR METER

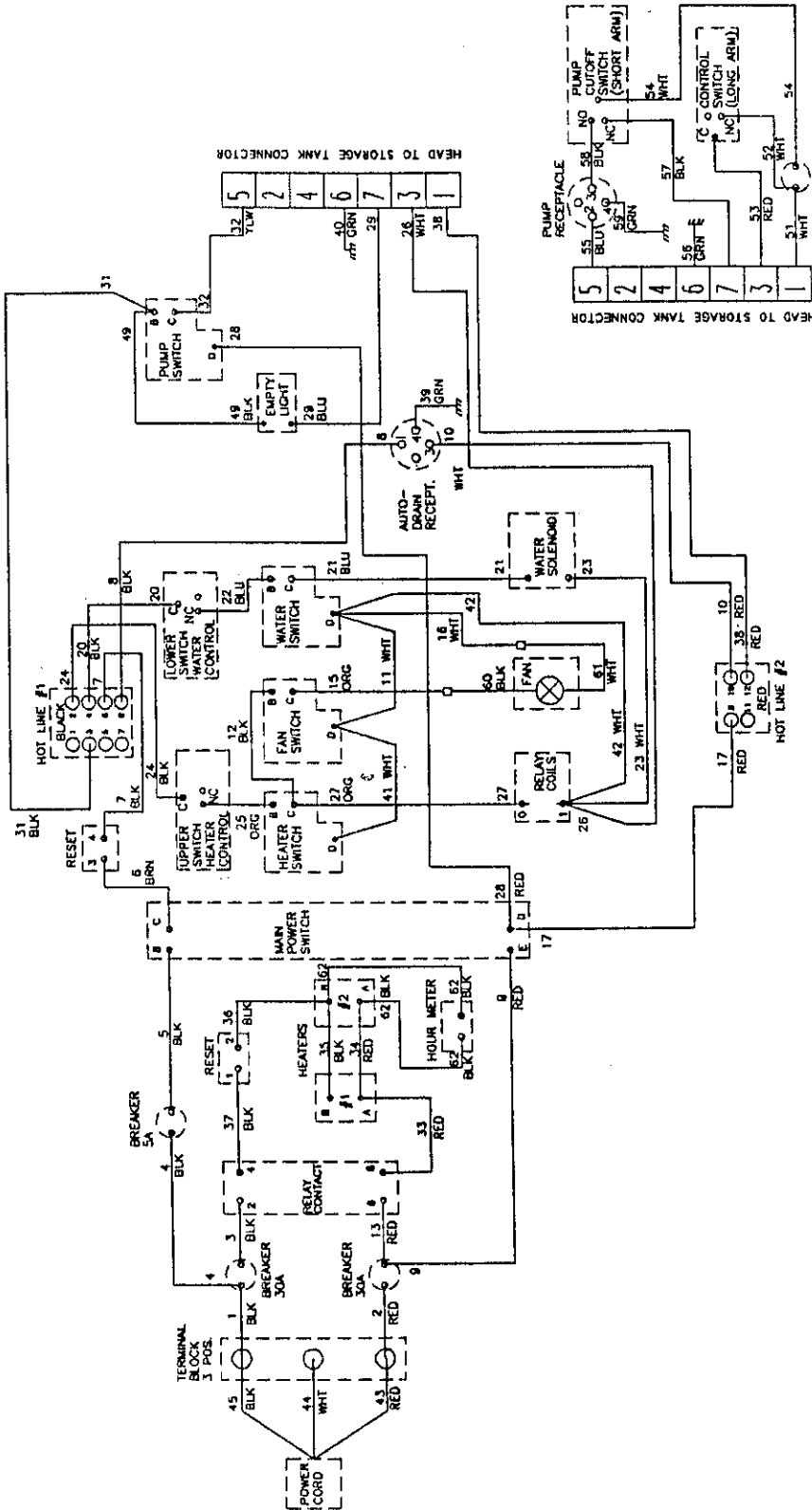
Parts Diagram: Condenser Coil Assembly



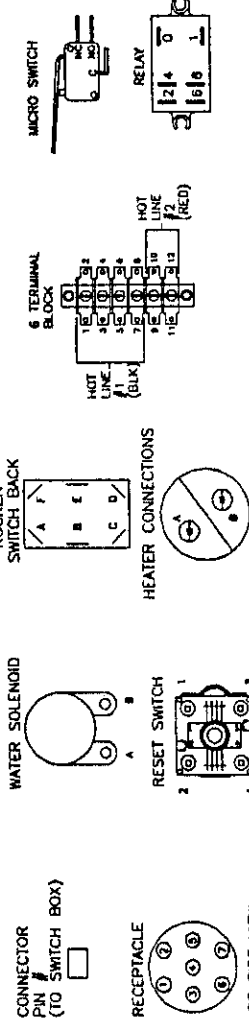
		CONDENSER COIL & COIL SUPPORT ASSEMBLY, 200-L S7		DWG. NO. 97271-		REV	
				PART NO.		DATE: 19.07.95	
ALL DIMENSIONS IN INCHES (mm)		TOLERANCES		DECIMALS		FRACTIONS	
.X ±0.05		.XX ±0.02		.XXX ±0.005		509 XX-X/X ±1/16	
T.I.R. ±0.010		THD ±1 TURN		L ±1"		X-X/X ±1/32	
QTY.		NEXT ASSY:		BY: AJH		SCALE: NTS	
No. Part Number Description		AMADA#		OPERATION: ASSEMBLE		MATERIAL:	

Wiring Diagram

200-L WIRING
DIAGRAM, SERIES 7



COMPONENT CONNECTIONS



OPERATION:	SCALE: NTS	BY: JYG	CHK:	DATE: 9 MAY 96	PART NO.	DWG. NO. 102507 -	REV
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Wiring List

Main Wiring

#	Part #	Color	Ga.	Length in mm	From Conn. Part #	To Conn Part #	From Location	To Location
1	102231	BLK	10	31 804	RING 60030	RING 60030	term block-3	30A breaker
2	102235	RED	10	35 889	RING 60030	RING 60030	term block-3	30A breaker
3	102236	BLK	10	11.5 292	RING 60030	F250 60057	30A breaker	main relay 2
4	102237	BLK	16	3.5 89	RING 60034	RING 60034	30A breaker	5A breaker
5	102238	BLK	16	8 203	RING 60034	FLAG 60023	5A breaker	power sw B
6	102239	BRN	16	22 559	F250 60001	SPADE 60012	power sw c	reset 3
7	102251	BLK	16	12 305	SPADE 60012	F250 60001	reset 4	hot line #1
8	102241	BLK	16	18 457	F250 60001	FPIN 60014	hot line #1	autodrain plug #1
9	102242	RED	16	7 178	RING 60034	F250 60001	30A breaker	power sw E
10	102243	RED	16	17.5 445	F250 60001	FPIN 60014	hot line #2	autodrain plug #3
11	102174	WHT	16	3.5 89	PIGG 60016	PIGG 60016	fan sw D	water sw D
12	102244	BLK	16	4 102	FLAG 60023	PIGG 60016	fan sw B	heater sw C
13	102246	RED	10	13 330	RING 60030	F250 60057	30 A breaker	main relay 0
14								
15	102197	ORG	16	20 508	F250 60001	M250 60032	fan sw C	wire # 60
16	102198	WHT	16	20 508	M250 60032	F250 60001	wire # 61	water sw D
17	100249	RED	16	12.5 318	F250 60001	F250 60001	power sw D	hot line #2
18								
19								
20	102253	BLK	16	16 406	F250 60001	F187 60011	hot line #1	water cntrl C
21	102254	BLU	16	52 1321	F250 60001	F250 60001	water sw C	water solenoid
22	102255	BLU	16	34.5 876	FLAG 60023	F187 60011	water sw B	water cntrl NC
23	102256	WHT	16	35 889	F250 60001	F250 60001	water solenoid	main relay 1
24	102257	BLK	16	18 457	F250 60001	F187 60011	hot line #1	heat cntrl C
25	102258	ORG	16	29.5 749	F187 60011	FLAG 60023	heat cntrl NC	heater sw B
26	102259	WHT	16	10.5 267	PIGG 60016	FPIN 60014	main relay 1	HT socket 3
27	102260	ORG	16	18 457	F250 60001	F250 60001	heater sw C	main relay 0
28	102250	RED	16	8 203	PIGG 60016	F250 60001	power sw D	pump sw D
29	102262	BLU	16	28 711	M250 60032	FPIN 60014	empty light	HT socket 7
30								
31	102264	BLK	16	20.5 521	F250 60001	FLAG 60023	hot line #1	pump sw B
32	102265	YLW	16	29 737	F250 60001	FPIN 60014	pump sw C	HT socket 5
33	102266	RED	10	12.5 318	F250 60057	RING 60030	main relay 8	heater #1 A
34	102267	RED	10	6.5 165	RING 60030	RING 60030	heater #1 A	heater #2 A
35	102270	BLK	10	8 203	RING 60030	RING 60030	heater #1 B	heater #2 B
36	102269	BLK	10	4.5 114	RING 60030	RING 60030	heater #2 B	reset 2
37	102240	BLK	10	15.5 394	F250 60057	RING 60030	main relay 4	reset 1
38	102279	RED	16	14.5 368	F250 60001	FPIN 60014	hot line #2	HT socket 1
39	102271	GRN	16	3.5 89	RING 60033	FPIN 60014	chassis	autodrain plug #4
40	102271	GRN	16	3.5 89	RING 60033	FPIN 60014	chassis	HT socket 6
41	102291	WHT	16	3.5 89	F250 60001	PIGG 60016	fan sw D	heater sw D
42	102274	WHT	16	20 508	F250 60001	F250 60001	main relay 1	water sw D
43	102289	RED	10	4.5 114	RING 60030		term block - 3	cord
44	102289	WHT	10	4.5 114	RING 60030		term block - 3	cord
45	102289	BLK	10	4.5 114	RING 60030		term block - 3f	cord
46								
47	102288	RED	18	5 127		F250 60010	empty light	wire #29
48								
49	102288	BLK	18	5 127	PIGG 60013		pump sw B	empty light
50								
51	102285	WHT	18	4.5 114	F250 60010	MPIN 60015	fuse, rear con.	head plug 1
52	102263	WHT	16	4.5 114	FLAG 60023	PIGG 60016	long sw NC	fuse, rear con.
53	102285	RED	18	4 102	F250 60010	MPIN 60015	long sw C	head plug 3
54	102283	WHT	16	9 229	F187 60011	F250 60001	cut off sw C	fuse, front con.
	102285	BLU	18	4 102	FPIN 60014	MPIN 60015	pump recep. #2	head plug 5
	102285	GRN	18	3.5 89	RING 60020	MPIN 60015	chassis	head plug 6
57	102285	BLK	18	8 203	F187 60061	MPIN 60015	pump sw NC	head plug 7
58	102287	BLK	16	7 178	F187 60011	FPIN 60014	pump sw NO	pump recep. #3
59	102271	GRN	18	3.5 89	RING 60020	FPIN 60014	chassis	pump recep. #4
60	102499	BLK	16	16 406	F250 60001		wire # 15	fan motor # L
61	102500	WHT	16	16 406	F250 60001		wire # 16	fan motor # N
62	107068	BLK	16	7 178	SPADE 60012	F250 60001	heater #2 A & B	1/2 hour meter