

PARTS LIST

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Introduction

In this section is a parts list breakdown with accompanying drawings for the MAX200 machine and hand-torch systems.

Internal power supply cabling and hosing are not shown in the drawings. Part numbers for this hosing with connection point referencing are on page 4-58.

The format to list and call out Hypertherm parts is as follows:

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	029319	Contr Pnl SA, MAX200 Thumb/Pot		1
7	006027	Valve, needle, 1/4 NPTF	V5	1
	029360	Thumbwheel/Pot Panel SA MAX200		1
25	075165	Hexnut, 6-32, WXF .250, .093, S/Z		4
	029383	Thumbwheel switch SA		1
27	008186	Socket, 20-24 AWG Type III+		7
38	005121	Pushbutton, 2 NO Green Illumin	PB1	1

Item: Refers to item call out on opposing or current page.
Number (Ex. 7) refers to numbered call out on opposing or current page.

Part Number: Refers to Hypertherm part numbers.
Bold part numbers (Ex. **029319**) signify parent or subassemblies that contain additional items.
Normal-style part numbers (Ex. 006027) signify items under parent or subassembly.

Description: Describes the item.
Bold descriptions not indented (Ex. **Contr Pnl SA, MAX200 Thumb/Pot**) signify parent assemblies that contain additional items.
Normal-style part numbers that are indented (Ex. Valve, needle, 1/4 NPTF) signify items under parent or subassembly. In this example, parent is **Contr Pnl SA, MAX200 Thumb/Pot**.
Bold descriptions that are indented (Ex. **Thumbwheel/Pot Panel SA MAX200**) represent subassemblies that are under a parent assembly.
In this example, parent assembly is **Contr Pnl SA, MAX200 Thumb/Pot** and subassembly **Thumbwheel/Pot Panel SA MAX200** contains additional items.
Normal-style part numbers that are not indented (Ex. Pushbutton, 2 NO Green Illumin) represent items not under parent assembly.

Designator: Represents a cross reference to wiring diagrams or pneumatic diagrams.
(Ex. **PB1** refers to pushbutton PB1 shown in wiring diagrams)

Qty.: Refers to the number of items in the parent or subassembly.

Note: Items that appear on exploded views as single letters and do not appear on opposing pages, represent hosing or tubing connection points. A complete hosing run list with part numbers and lengths appears on page 4-58.

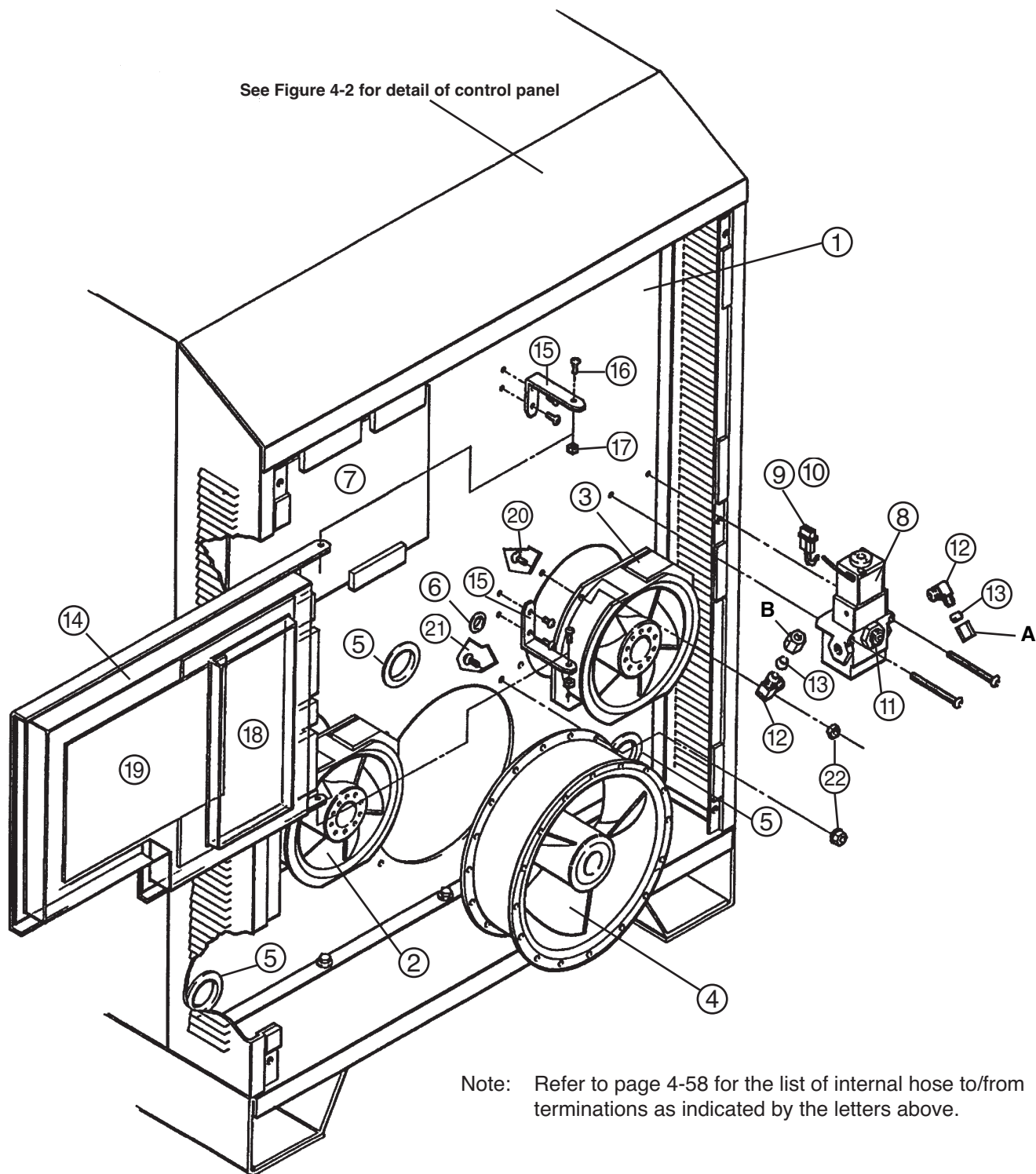


Figure 4-1 Power Supply – Front Wall, Outside

Front Wall Outside – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	001233	Panel, MAX200 Front		1
2	027080	Fan 225 CFM 120VAC 50/60Hz	M3	1
3	027080	Fan 225 CFM 120VAC 50/60Hz	M2	1
4	027079	Fan 450-550 CFM 120VAC 50/60Hz	M4	1
5	008509	Bushing 1.75 MTG X 1.37 ID		3
6	008245	Bushing, 7/8" Hole X 11/16" ID		1
7	041143	PC BD Assy Control MAX200	PCB7	1
	029315	Shield Gas SA, MAX200		
8	006032	Valve, Sol, Shield Gas	V2	1
9	008503	Cap, Comm Mnl 2 Circuit		1
10	008504	Pin, Comm Mnl 24-18 AWG		2
11	015563	Plug, 3/8		1
12	015132	Fitting 90, 3/8 Tube X 1/4 NPT		2
13	015133	Ferrule, 3/8 OD Tube Delrin		2
	*029303	THC SA, MAX200		
14	001297	Cov: MAX200 THC Dust		1
15	004338	Hinge - THC Pan, MAX200		2
16	075092	M/S, 10-32 X 1/2, PH, Pan, S/Z		6
17	075160	Kepnut, 10-32, S/Z		2
18	041151	PC BD Assy THC Mother	PCB9	1
19	041186	PC BD SA - THC, MAX200	PCB10	1
20	075078	M/S, 8-32 X 5/8, PH, Pan, S/Z		8
21	075073	M/S, 8-32 X 1/2, PH, Pan, S/Z		4
22	075159	Kepnut, 8-32, S/Z		12
	**001566	Panel, MAX200 front filter		1
	**001567	Cover, MAX200 front filter panel		1
	**027441	Filter, 24 X 24 X 2 fiberglass air		1

* THC SA available only on MAX200 power supplies 073020, 073021, 073022, 073023, 073024 and 073213 (CE).

** Items not shown in Figure 4-1.

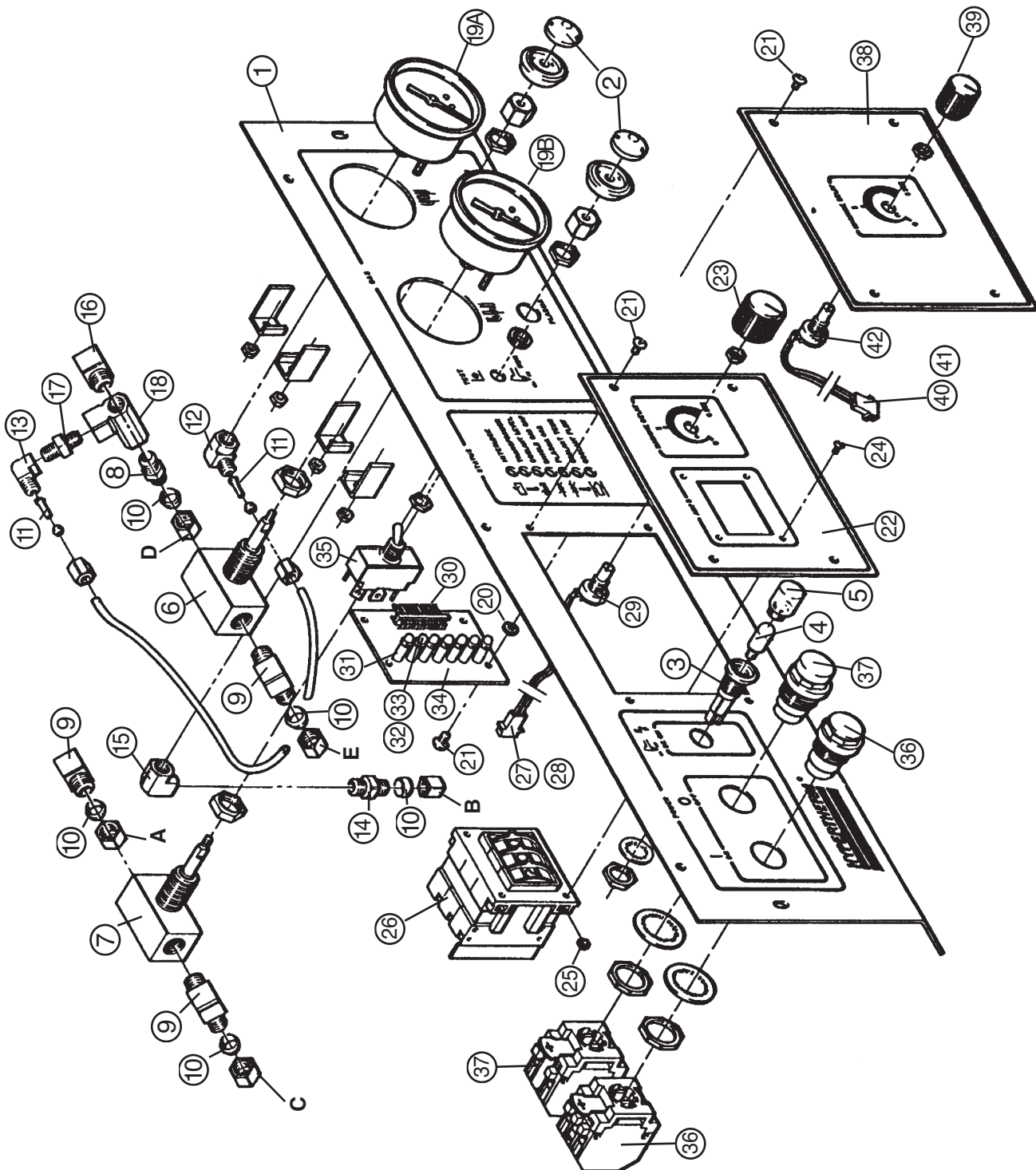


Figure 4-2 Power Supply – Control Panel SA, Front

Note: Refer to page 4-58 for the list of internal hose to/from terminations as indicated by the letters above.

Control Panel SA – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	029319	Contr Pnl SA, MAX200 Thumb/Pot		1
1	001222	Pnl :Max200 Cont		1
2	004117	Cap, valve, flow control		2
3	005151	Lamp holder		1
4	005187	Bulb, 28 VDC	LT2	1
5	005089	Lens, white for 005088		1
6	006002	Valve, needle 1/4 NPT .125 Ori	V6	1
7	006027	Valve, needle, 1/4 NPTF	V5	1
8	015131	Fitting, 3/8 tube X 1/4 NPT		1
9	015132	Fitting 90, 3/8 tube X 1/4 NPT		3
10	015133	Ferrule, 3/8 OD tube delrin		5
11	015135	Insert, 1/8 OD brass		2
12	015136	Fitting 90 1/8 tube X 1/8 NPTF		1
13	015141	Fitting 90, 1/8 tube X 1/8 NPT		1
14	015196	Fitting, 3/8 tube X 1/8 NPT		1
15	015520	Elbow, 1/8		1
16	015532	Street elbow 1/4		1
17	015570	Reducer bushing 1/4 X 1/8		1
18	015593	Street tee 1/4		1
19A	022008	Gauge, Press 2 1/2" Dia 1-100	PG2	1
19B	022008	Gauge, Press 2 1/2" Dia 1-100	PG1	1
20	075198	Flwshr, #6, .156, .375, .045, S/Z		4
21	075250	M/S, 6-32X1/4, PH, TRS, S/B		8
	*029360	Thumbwheel/Pot Panel SA MAX200		1
22	001246	Panel, MAX200 Thumbwheel/Mach		1
23	008328	Knob, .930 Dia. Blk/Nat 1/4"		1
24	075394	Sktcap, 6-32X3/8, HX, Btn, S/B		4
25	075165	Hexnut, 6-32, WXF .250, .093, S/Z		4
	029383	Thumbwheel switch SA		1
26	005123	Thumbwheel switch		1
	008186	Socket, 20-24 AWG Type III+		7
	008233	Plug, In-line, 16 pos		1
	029394	Pot SA, MAX200 Machine Delay		1
27	008492	Pin, gold		2
28	008503	Cap, comm mnl 2 circuit		1
29	009604	Res: Var, 100K, 1 Turn		1
	041536	PC BD Assy Intlk Display	PCB9	1
30	008516	Post Header, 8-pin RA MTA-156		1
31	008517	Standoff, .19 OD .12 ID .50 LG		7
32	009063	Diode, Ind LED Amber		7
33	009705	Clip & Retain ring, T1-3/4 LED		7
34	041148	PC BD only Intlck Dsply 200/1070		1
35	005041	Switch, Tog 2PI Maint On/On	S1	1
36	005121	Pushbutton, 2 NO Green Illumin	PB1	1
37	005122	Pushbutton, 2 NC Red Extended	PB2	1
	**001250	Pnl: MAX200 THC Fr		1
38	001247	Pnl: MAX200 Mach. Delay		1
39	008164	Knob		1
40	008492	Pin, Gold		2
41	008503	Cap, comm mnl 2 circ		1
42	009604	Res: Var, 100K, 1 Turn		1

* Power Supplies without THC – 073002, 073003, 073004, 073005, 073026 and 073200 (CE)

** Power Supplies with THC – 073020, 073021, 073022, 073023, 073024 and 073213 (CE)

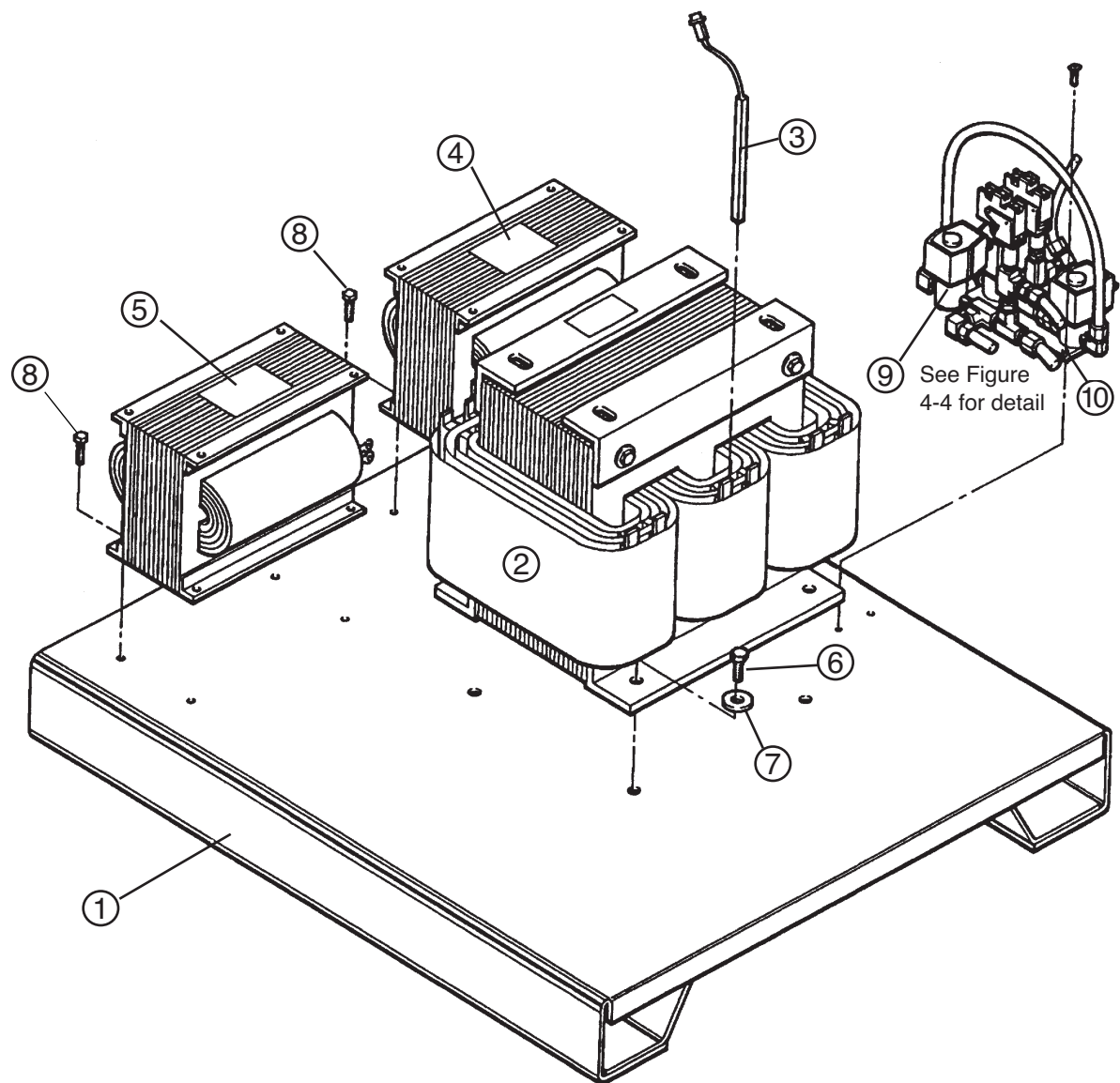


Figure 4-3 Power Supply – Base Plate with Components

Base Plate – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
1	001229	Base, MAX200		1
2	014078	Transf'mer 30KW 240-480, 3 PH, 60	T2	1
2	*014097	Transf'mer 30KW 208V, 3 PH, 60	T2	1
2	**014088	Transf'mer 30KW 220/380/400/415V, 3 PH, 50	T2	1
2	***014111	Transf'mer 30KW 200V, 3 PH, 50	T2	1
2	****014082	Transf'mer 30KW 600V, 3 PH, 60	T2	1
3	005102	Thermostat, 160°C, 6 Amp	TS1	1
4	014080	Inductor, 4mh 100A	L1	1
5	014080	Inductor, 4mh 100A	L2	1
6	075241	M/S, 1/4-20 X1/2,SL, IHW, S/Z		4
7	075199	Flwshr, 1/2, .532, 1.06, .099, S/Z		4
8	075242	M/S, 1/4-20 X 3/4, SL, IHW, S/Z		8
9	•029314	Plasma Gas SA, MAX200		1
10	004336	Panel, MAX200 Plasma Gas MTG.		1

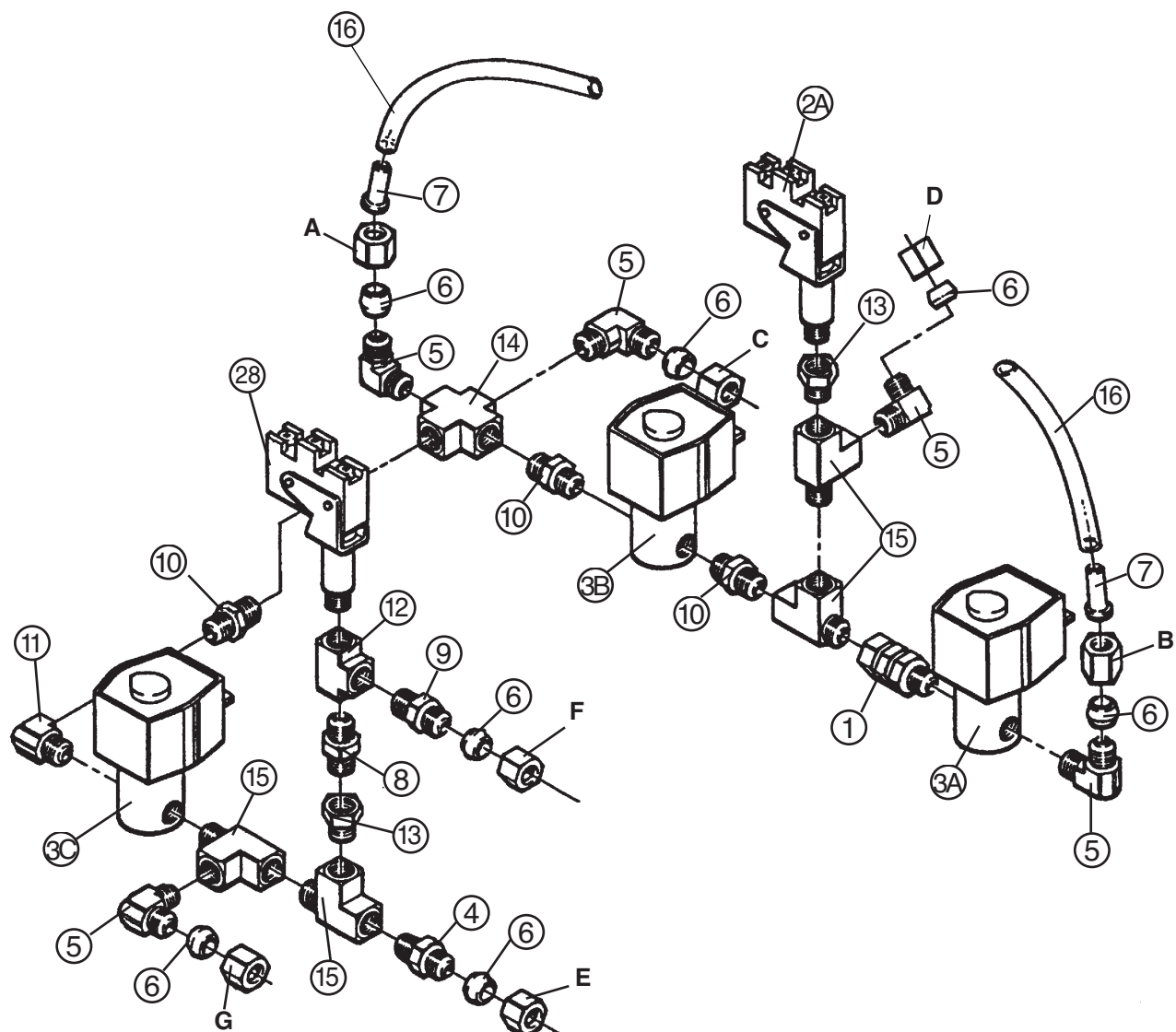
* Used on 208 volt power supplies 073004 (w/o THC) and 073022 (w/ THC)

** Used on 220/380/415 volt power supplies 073005 (w/o THC) and 073023 (w/ THC) and 400 volt CE power supplies 073200 (w/o THC) and 073213 (w/ THC)

*** Used on 200 volt power supply 073026 (w/o THC) and 073024 (w/THC)

**** Used on 600 volt power supplies 073003 (w/o THC) and 073021 (w/THC)

- See page 4-11 for subassembly breakdown



Note: Refer to page 4-58 for the list of internal hose to/from terminations as indicated by the letters above.

Figure 4-4 Power Supply – Plasma Gas SA

Plasma Gas SA – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	029314	Plasma Gas SA, MAX200		1
1	004342	Flow restrictor, .020 1/4 NPT		1
2A	005235	Switch, Pressure 0-90 PSI	PS1	1
2B	005239	Switch, Pressure 0-90 PSI	PS4	1
3A	006014	Valve, Sol 90#, 1/4 NPTF Water	V1	1
3B	006014	Valve, Sol 90#, 1/4 NPTF Water	V3	1
3C	006014	Valve, Sol 90#, 1/4 NPTF Water	V9	1
4	015131	Fitting, 3/8 tube x 1/4 NPT		1
5	015132	Fitting 90, 3/8 tube x 1/4 NPT		5
6	015133	Ferrule, 3/8 OD Tube Delrin		7
7	015134	Insert, 3/8 OD x .062 w Brass		2
8	015165	Orifice, .032 ID x 1/8 NPT		1
9	015196	Fitting, 3/8 Tube x 1/8 NPT		1
10	015510	Nipple 1/4 x CI, Hex		3
11	015532	Street elbow 1/4		1
12	015540	Tee 1/8		1
13	015570	Reducer Bushing 1/4 x 1/8		2
14	015592	Cross 1/4		1
15	015593	Street Tee 1/4		4
16	046067	Tubing, 3/8 OD Blu Air Brake		*21 ft

* Note: Length of tubing includes interconnections not shown in this drawing.
For a complete listing of internal hosing and hosing lengths, see *MAX200 Power Supply Internal Hosing* later in this section.

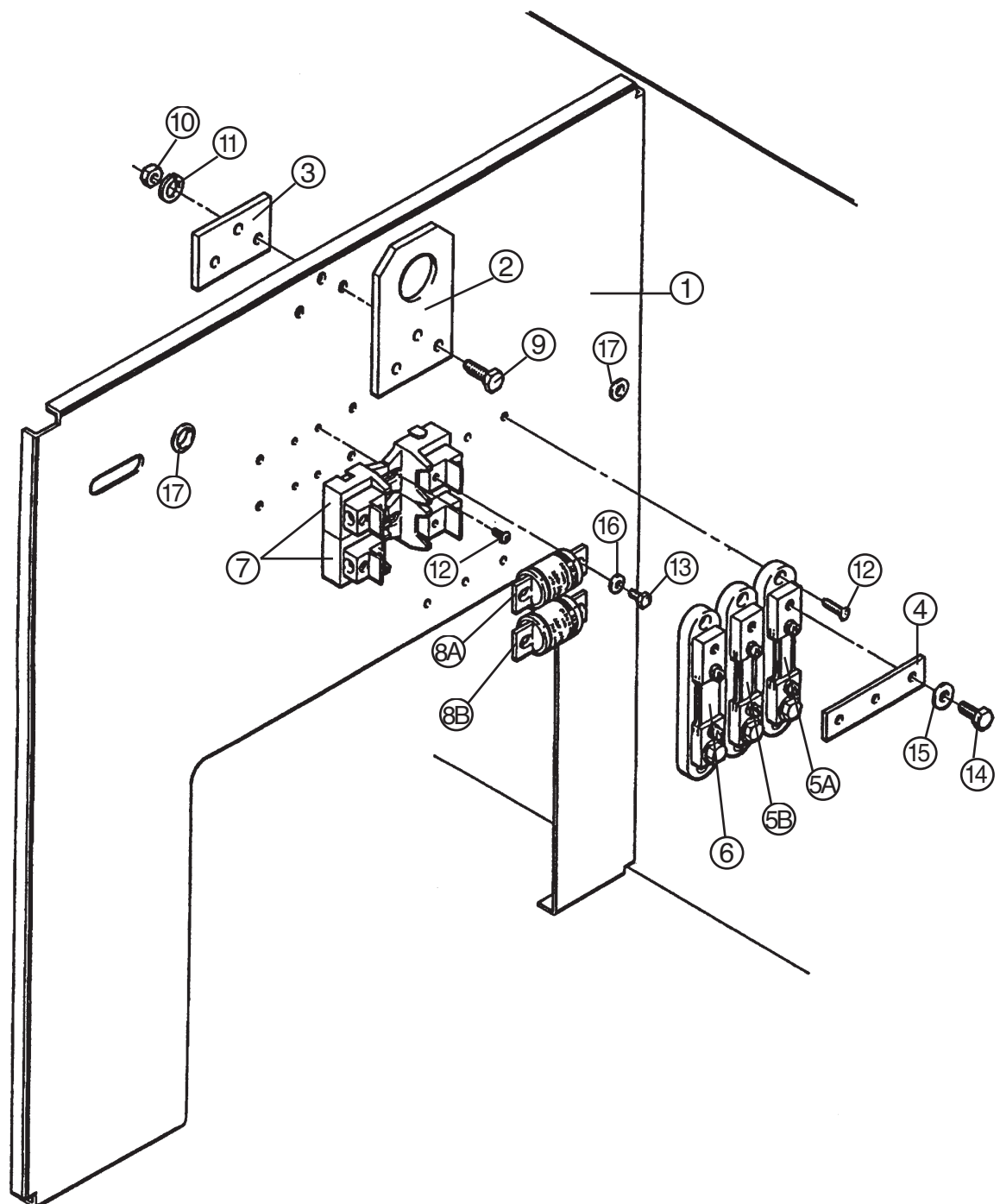


Figure 4-5 Power Supply – Center Wall Left Side

Center Wall Left Side – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
1	001230	Panel, MAX200 Center		1
2	004261	Bar, Lift, MAX100 & 80		1
3	004262	Plate, Lift, MAX100 & 80		1
4	004334	Busbar, MAX200 Shunt		1
5A	007022	Shunt, 100A, 100mv	R2	1
5B	007022	Shunt, 100A, 100mv	R1	1
6	007024	Shunt, 200A, 100mv	R3	1
7	008945	Fuseholder, 100A		2
8A	008317	Fuse, Semiconductor 125A, 250V	F3	1
8B	008317	Fuse, Semiconductor 125A, 250V	F4	1
9	075137	Hhdcap, 3/8-16 X 1 1/4, Hex, S/Z		3
10	075166	Hexnut, 3/8-16, S/Z		3
11	075194	Lkwshr, 3/8, Splitlock		3
12	075092	M/S, 10-32 X 1/2, PH, Pan		10
13	075241	M/S, 1/4-20 X 1/2, SL, IHW		4
14	075136	Hhdcap, 3/8-16 X 3/4, Hex, S/Z		3
15	075216	Flwshr, 5/16		3
16	075192	Lkwshr, 1/4, Splitlock		4
17	008245	Bushing, 7/8" hole X 11/16" ID		2

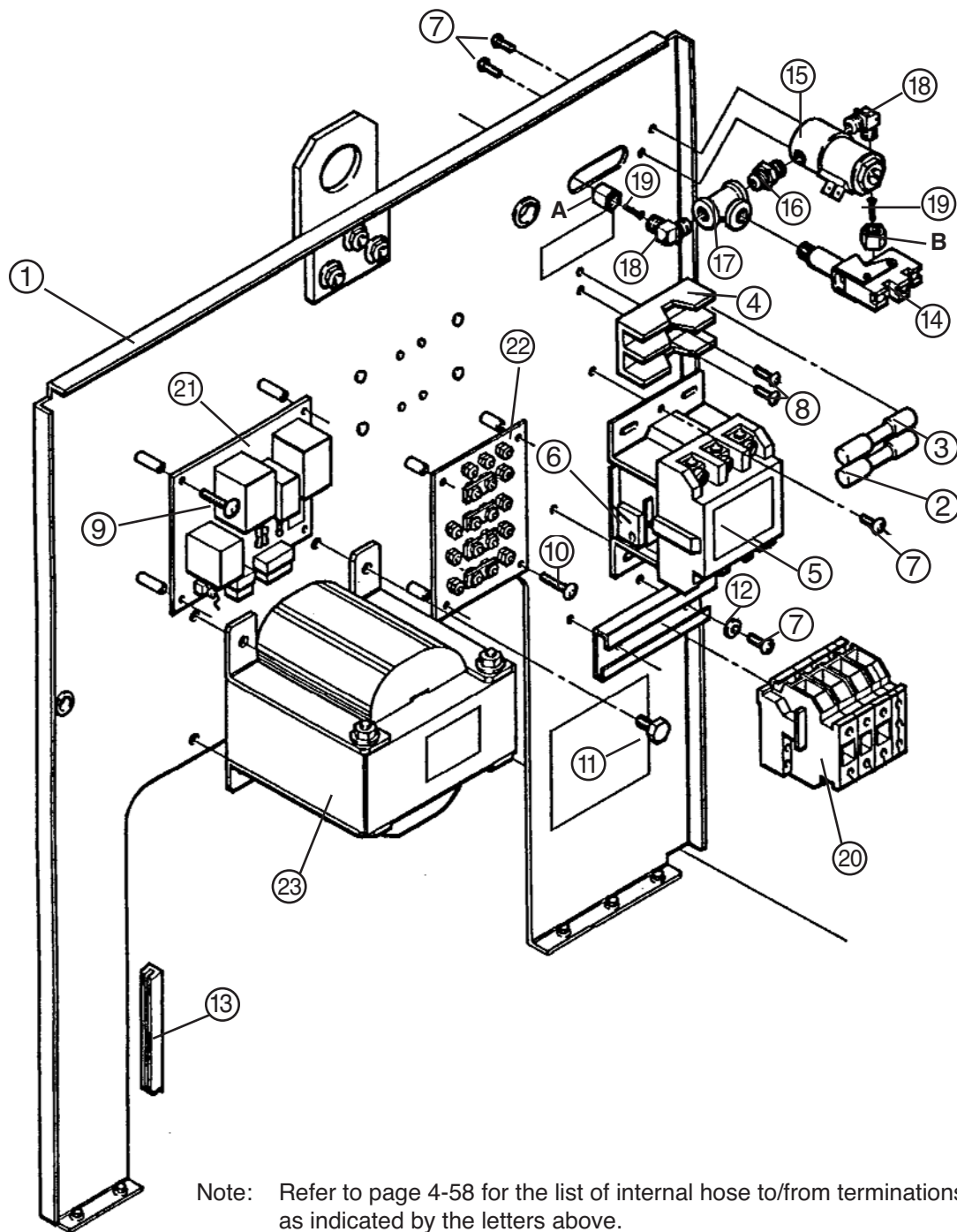


Figure 4-6 Power Supply – Center Wall Right Side

Center Wall Right Side – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
1	001230	Panel, MAX200 Center		1
2	*008551	Fuse, 7.5 Amp, 600V	F1	1
2	**008709	Fuse, 20Amp, 500V	F1	1
3	*008551	Fuse, 7.5 Amp, 600V	F2	1
3	**008709	Fuse, 20Amp, 500V	F2	1
4	008301	Fuseholder, 2 Pole, 30 amp		1
5	003092	Contactor, 90A 3 Pole 24VAC	CON1	1
6	003093	Switch, aux contactor	SW2	1
7	075237	M/S, 10-32 X 3/8, PH, TRS, SSB		7
8	075062	M/S, 6-32 X 1/2, SL, Pan, S/Z		2
9	075055	M/S, 6-32 X 5/8, PH, Rnd, S/Z		4
10	075056	M/S, 6-32 X 1, PH, Rnd, S/Z		4
11	075241	M/S, 1/4-20 X 1/2, SL, IHW, S/Z		2
	075160	Kepnut, 1/4-20, S/Z		2
12	075200	Flwshr, #10, .250, .562, .047, S/Z		2
13	008603	Grommet Strip		18"
	029315	Shield Gas SA, MAX200 (see page 4-23 for more part numbers)		
14	005233	Switch, Pressure 0-90 PSI	PS2	1
15	006037	Valve, Sol 24VAC 50/60 Hz 60 psi	V4	1
16	015165	Orifice, .032 ID X 1/8 NPT		1
17	015540	Tee 1/8		1
18	015141	Fitting 90, 1/8 Tube X 1/8 NPT		2
19	015135	Insert, 1/8 OD Brass		2
20	029316	Incoming Power TB1 SA, MAX200	TB1	1
21	041534	PC BD Assy Pwr Dist	PCB6	1
22	*** 029359	Linkboard SA, MAX200 240-480V		1
23	029318	Cont Xf'mer SA 240-480V, 3/60 Hz	T1	1
	029441	Cont Xf'mer SA 208V, 3/60 Hz	T1	1
	029362	Cont Xf'mer SA 220/380/400/415V, 3/50 Hz	T1	1
	029404	Cont Xf'mer SA 600V, 3/60 Hz	T1	1

* Used when incoming power is 380V, 400V, 415V or 480V

** Used when incoming power is 208V, 220V or 240V

*** Used when incoming power is 240 or 480V

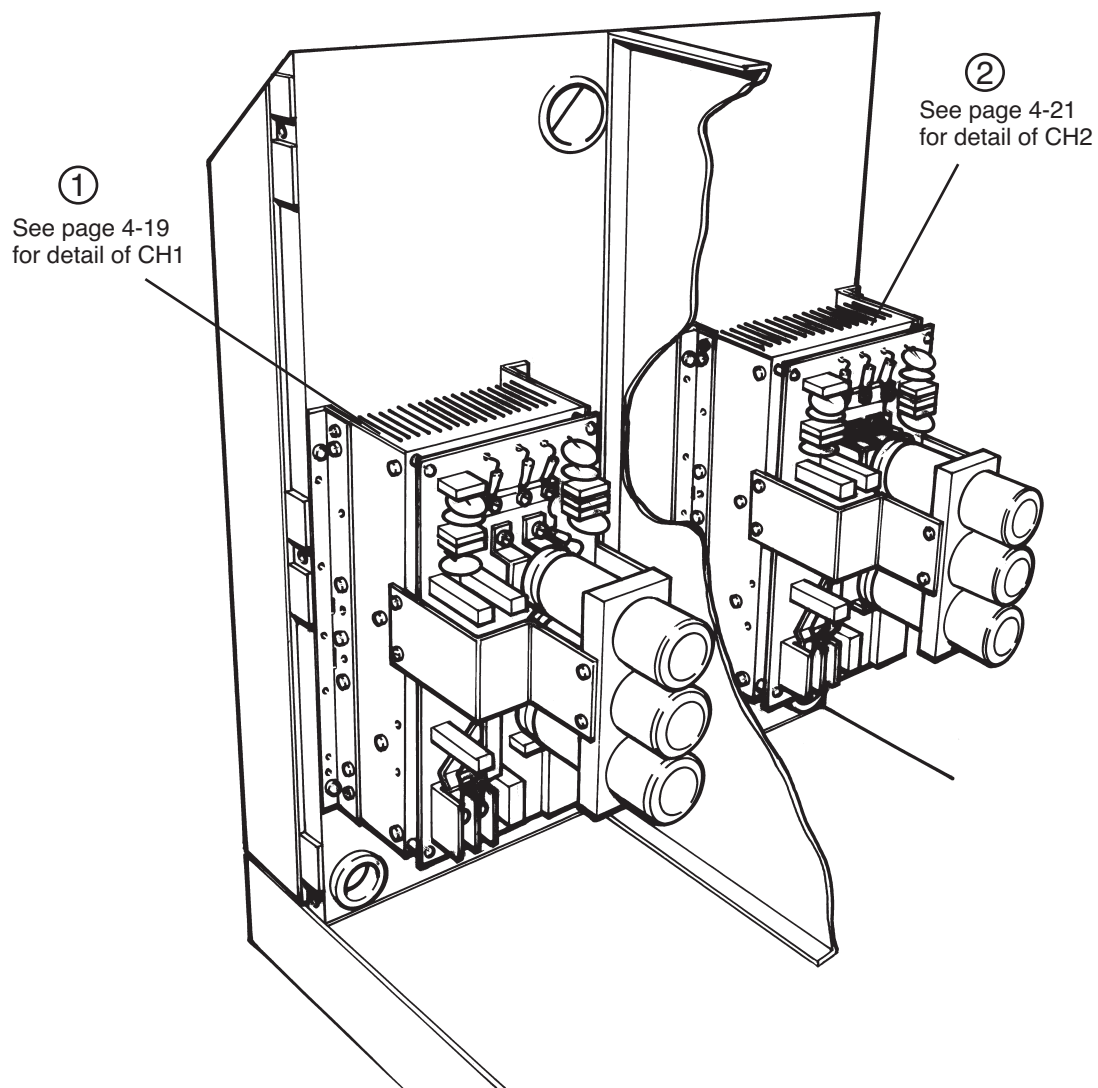


Figure 4-7 Power Supply – Front Wall, Inside

Front Wall Inside – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
1	*128789	Kit: chopper, 15KW	CH1	1
	005199	Switch, temperature 82° C	TSW1	1
2	**128789	Kit: chopper, 15KW	CH2	1
	005199	Switch, temperature 82° C	TSW2	1

* For detail of CH1 parts list, see page 4-19

** For detail of CH2 parts list, see page 4-21

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Chopper SA Front Wall Inside Left – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
1	128789 005199	Kit: chopper, 15KW Switch, temperature 82° C	CH1 TSW1	1 1

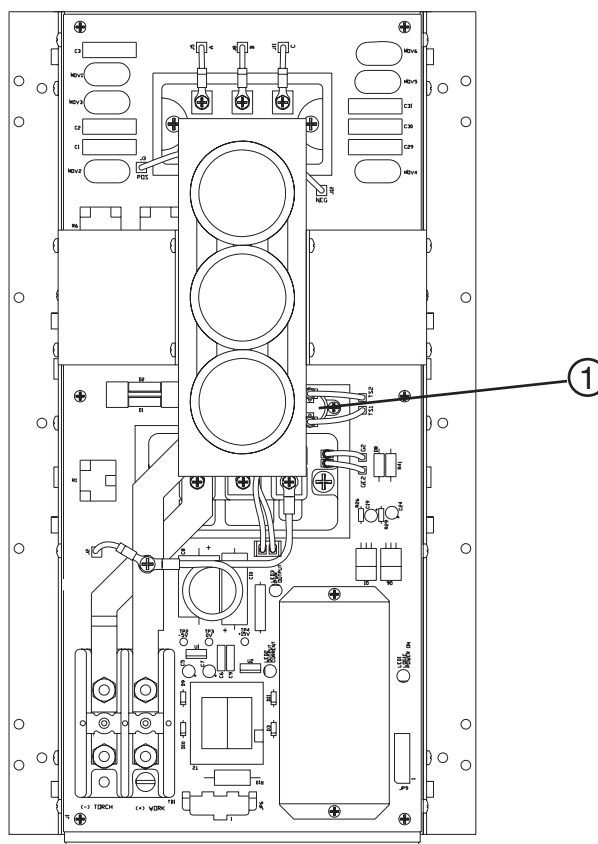


Figure 4-8 Power Supply – Chopper SA, Front Wall – Inside Left

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Chopper SA Front Wall Inside Right – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
1	128789 005199	Kit: chopper, 15KW Switch, temperature 82° C	CH2 TSW1	1 1

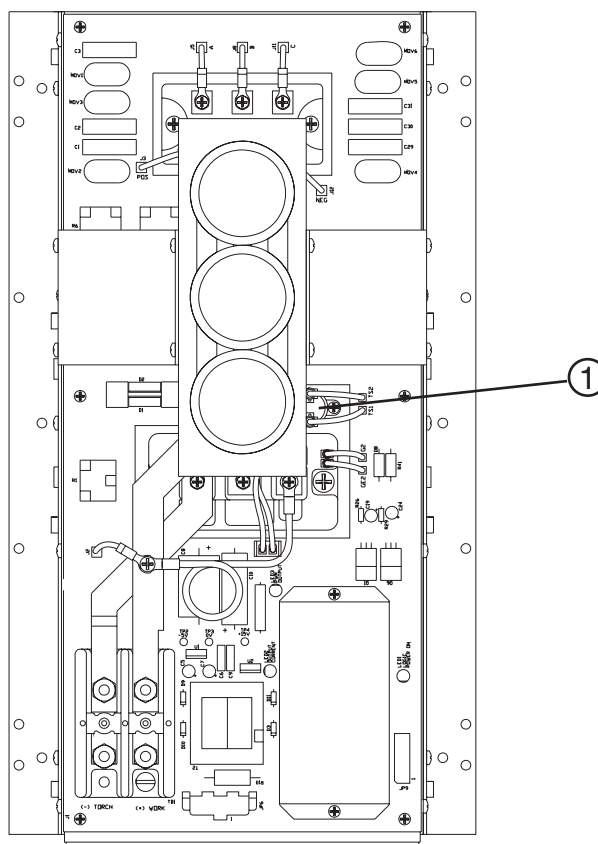


Figure 4-9 Power Supply – Chopper SA, Front Wall – Inside Right

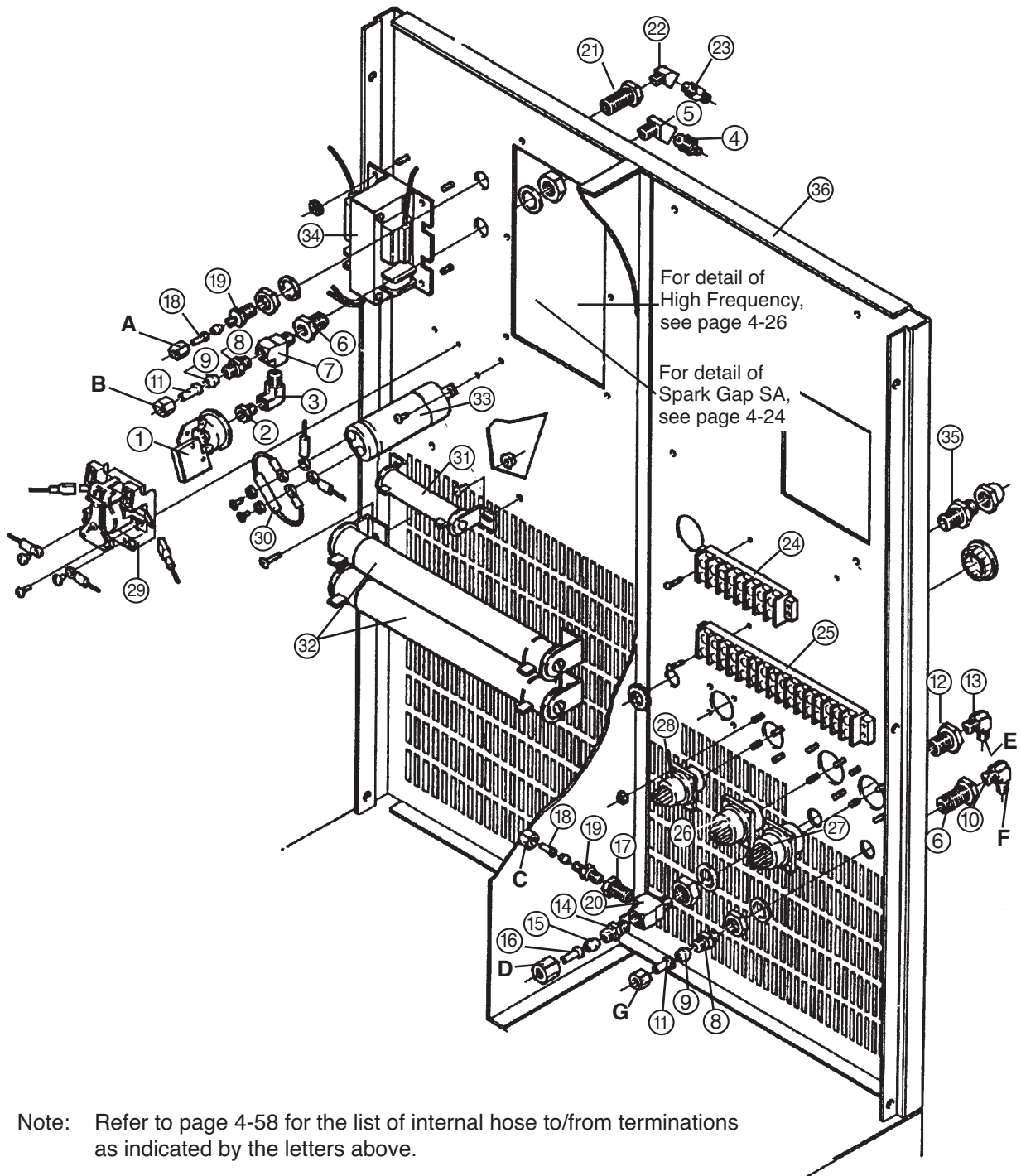


Figure 4-10 Power Supply -- Rear Wall, Inside

Rear Wall Inside – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	029314	Plasma Gas Valve SA		
1	005228	Switch, 0-15 PSI Press	PS3	1
2	015570	Reducer bushing 1/4 X 1/8		1
3	015605	Elbow, 1/4" Long Street		1
4	015047	Adapt, 1/4 MNPT X Acc "A"/LH		1
5	015602	Street elbow 45 deg 1/4 NPT		1
6	015001	Adapter, Bulkhead, 1/4 NPTF		2
7	015593	Street Tee 1/4		1
8	015131	Fitting, 3/8 Tube X 1/4 NPT		2
9	015133	Ferrule, 3/8 OD Tube Delrin		2
10	015015	Adapter 90, 1/4 NPT X #6		1
11	015134	Insert, 3/8 OD X .062 w Brass		2
	029315	Shield Gas SA, MAX200 (see page 4-15 for more part numbers)		
12	015001	Adapter, Bulkhead, 1/4 NPTF		1
13	015015	Adapter 90, 1/4 NPT X #6		1
14	015131	Fitting, 3/8 Tube X 1/4 NPT		1
15	015133	Ferrule, 3/8 OD tube Delrin		1
16	015134	Insert, 3/8 OD X .062 w Brass		1
17	015570	Reducer Bushing 1/4 X 1/8		1
18	015135	Insert, 1/8 OD Brass		2
19	015137	Fitting, 1/8 Tube X 1/8 NPT		2
20	015593	Street Tee 1/4		1
21	015050	Adapter, Bulkhead, 1/8 X 1-1/2		1
22	015601	Street elbow 45 deg 1/8 NPT		1
23	015116	Adapter, 1/8 NPT X Oxy "A"		1
	029358	Harness SA MAX200		
24	008073	Terminal Strip (8)	TB4	1
25	008134	Terminal Strip (16)	TB3	1
26	008447	Receptacle, 23-37, Std sex	1X1	1
27	008208	Receptacle, 23-37, Rev sex	1X2	1
28	008201	Receptacle, shell size 17-14	1X3	1
29	003021	Relay, 120VAC NO SPST	CR1	1
30	009015	Res: 10K Ohm, 10W	R5	1
31	009438	Res: 5 Ohm, 50W	R4	1
32	009684	Res: 4 Ohm 420W	R6	2
33	009506	Cap: 250 μ F, 350VDC	C9	1
34	029317	HV Transformer SA	T5	1
35	008212	Strain Relief, 1/2 X .125-.375		1
36	001234	Panel, MAX200 Rear		1

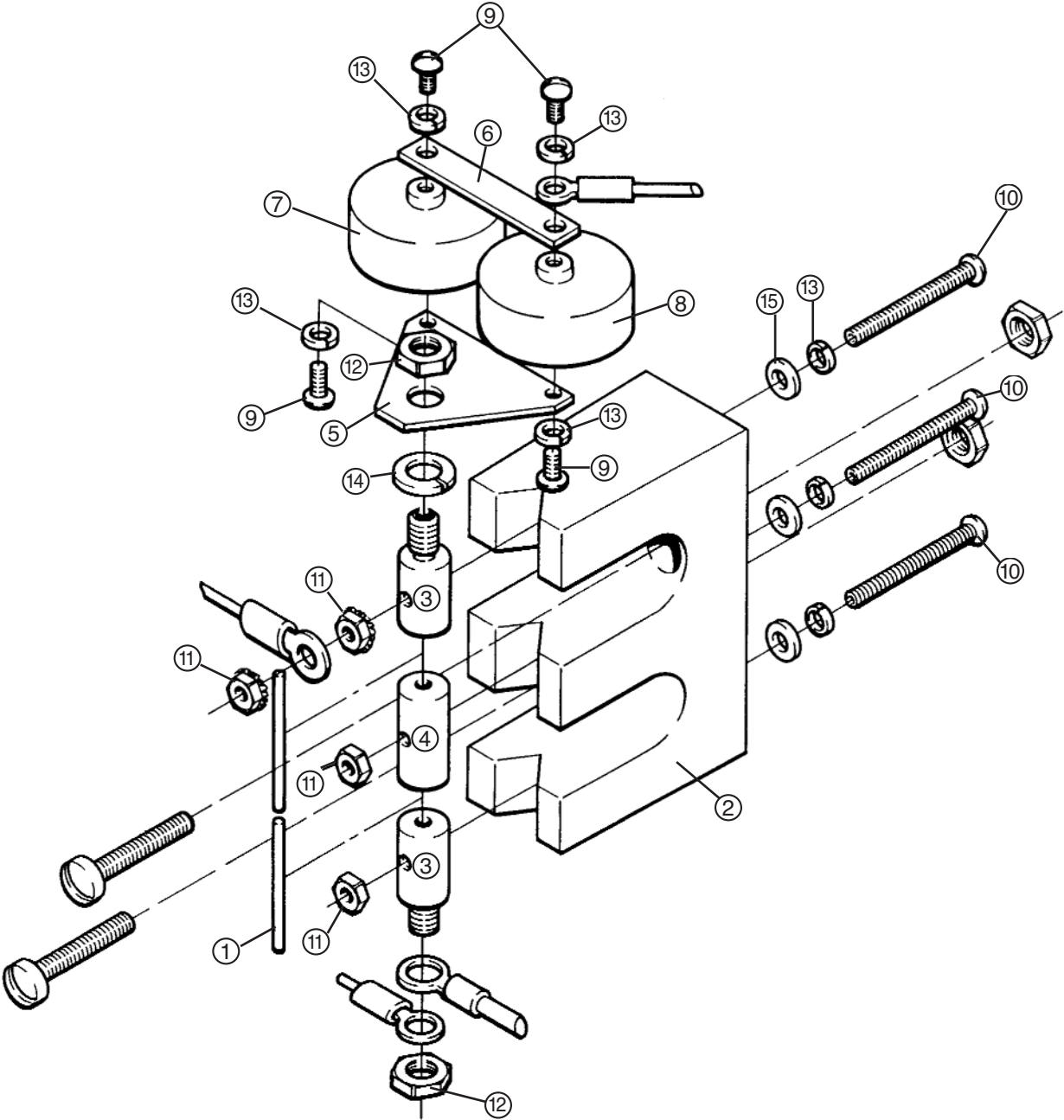


Figure 4-11 Power Supply – Spark Gap Assembly

Spark Gap Assembly – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	009350	Spark Gap Assembly	SG1	1
1	*004061	Electrode, Spark Gap 1/8 X 1.6		3
2	004140	Block, Spark Gap		1
3	004141	Tungsten Mount End		2
4	004142	Tungsten Mount Center		1
5	004143	Plate, Capacitor Mtg		1
6	004144	Bar, Capacitor Mtg		1
7	009280	Cap: .022 μ F 15KV	C7	1
8	009280	Cap: .022 μ F 15KV	C8	1
9	075034	M/S, 8-32 X 1/4, SL, Rnd, Brs		4
10	075036	M/S, 8-32 X 3/4, SL, Rnd, Brs		3
11	075147	Hexnut, 8-32, Brs		3
12	075152	Hexnut, 5/16-18, Finish Brs		1
13	075191	Lkwshr, #8, Splitlock, Brz		7
14	075193	Lkwshr, 5/16, Splitlock, Brz		1
15	075213	Flwshr, #8, .202,.436, .037, Brs		3

* Two of three electrodes shown

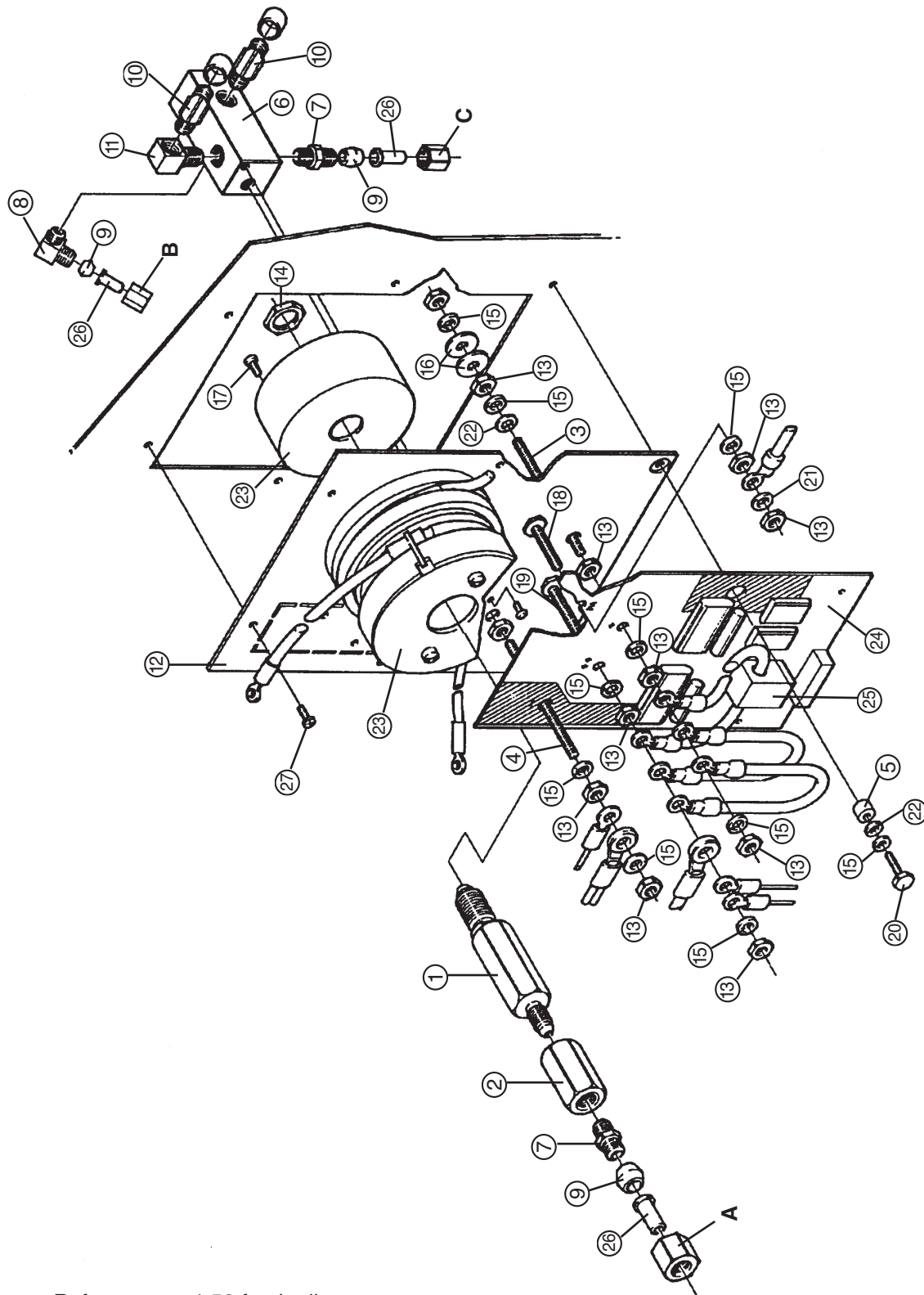


Figure 4-12 Power Supply – High Frequency & I/O PCB Assembly

Note: Refer to page 4-58 for the list of internal hose to/from terminations as indicated by the letters above.

High Frequency and I/O PCB – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	029312	HF & I/O PCB SA MAX200		1
1	004136	Connector, cathode		1
2	004259	Adapter, Cathode Connector		1
3	004311	Standoff, MAX200 Anode		1
4	004312	Standoff, MAX200 Cathode		1
5	004313	Spacer, .42ID X .750 X .50 lg		1
6	004314	Block, MAX200 Cathode		1
7	015131	Fitting, 3/8 Tube X 1/4 NPT		2
8	015132	Fitting, 90, 3/8 Tube X 1/4 NPT		1
9	015133	Ferrule, 3/8 OD Tube Delrin		3
10	015157	Adapter, 90 1/4 NPT X #5		2
11	015532	Street Elbow 1/4		1
12	041152	Panel, MAX200 Output		1
13	075153	Hexnut, 3/8-16, Finish, Brs		10
14	075156	Hexnut, 1/2-20, Finish/Jam, Brs		1
15	075194	Lkwshr, 3/8, Splitlock, Brz		9
16	075217	Flwshr, 3/8, .390,.875,.063, Brs		2
17	075335	M/S, 8-32 X 1/2, SL, Bin, Nyl		3
18	075347	Bolt, 5/16 X 1 1/4, Hex, Brz		1
19	075229	Bolt, 3/8-16 X 1 1/2, FTH, Hex, Brs		1
20	075351	Bolt, 3/8-16 X 1, Hex, Brs		1
21	075360	Flwshr, 5/16, .328,.520,.032, Brs		1
22	075361	Flwshr, 3/8, .394, .625, .032, Brs		2
23	009349	Assembly, Coil, High Frequency	T6	1
24	041145	PC BD Assy MAX200 I/O	PCB5	1
25	029202	Current Sensor SA	CS1	1
26	015134	Insert, 3/8 OD X .062 Brass		3
27	075072	M/S, 8-32 X 1/2		6

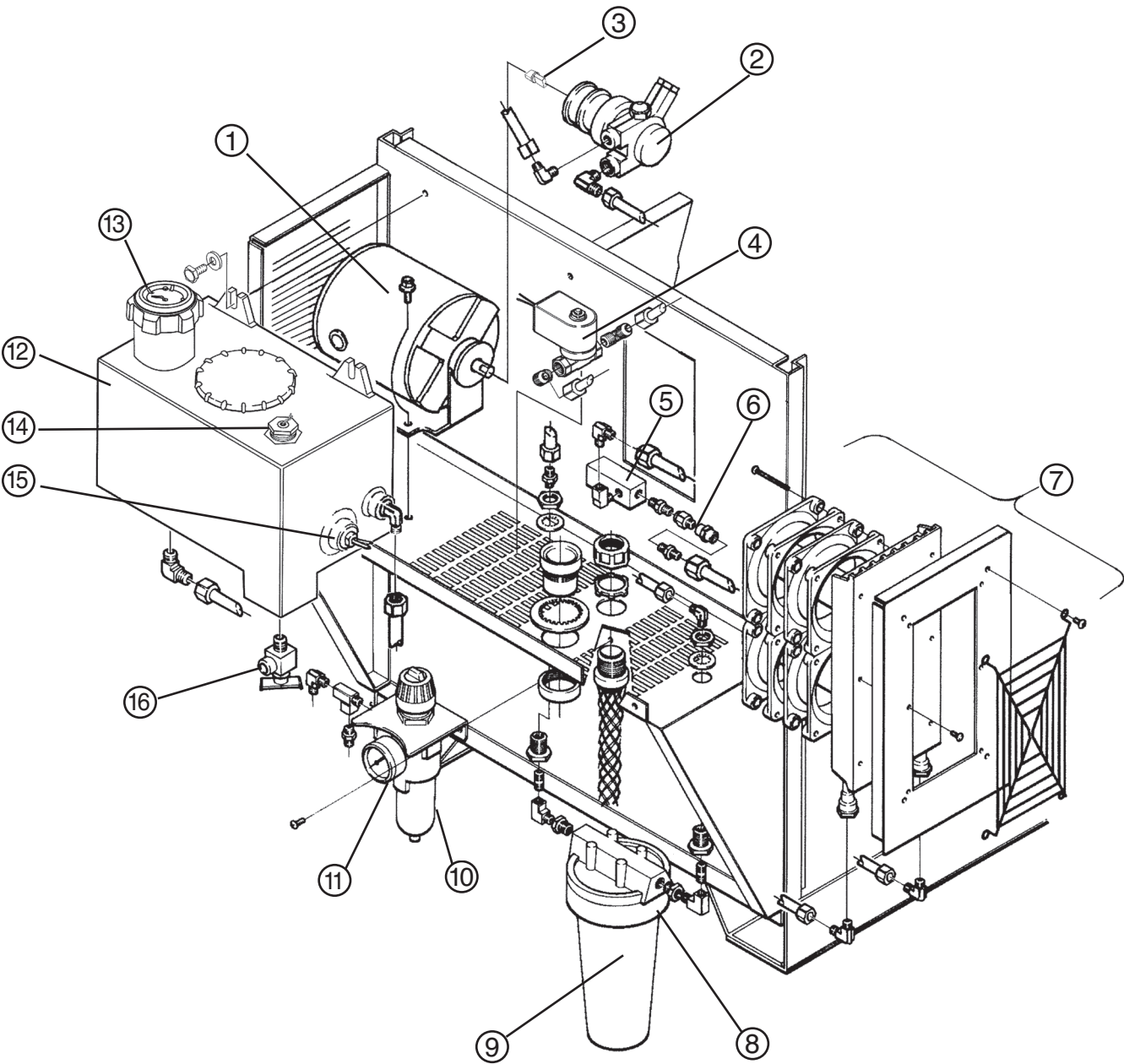


Figure 4-13 Power Supply – Rear Wall, Outside

Rear Wall Outside – MAX200 Power Supply

<u>Item</u>	<u>Part Number</u>	<u>Description</u>	<u>Designator</u>	<u>Qty.</u>
	129252	Pump Motor Subassembly		1
1	128385	Kit, Replacement Motor, 1/3 HP	M1	1
2	128384	Kit, Replacement Pump, 70 GPH		1
3	031122	Drive Coupling, Pump to motor		1
	129383	Valve Subassembly (w/ elec connectors)		1
4	006046	Valve, Sol 240V 3/8 NPT NC	V7	1
	029361	Flowswitch Subassembly (w/ elec connector)		1
5	005119	Flowswitch, 0.5 GPM	FS1	1
6	006053	Valve, Check 1/3 PSI, 1/4 NPTM		1
7	027978	Heat Exchanger, Water/Air	MX1	1
8	027139	Filter Housing, 10" X 3/8 NPT		1
9	027005	Filter, Element		1
10	011025	Filter Regulator		1
11	011027	Gauge, High Press (for 011025)		1
12	002304	Reservoir, coolant		1
13	022036	Gauge, liquid level		1
14	129618	Level Switch Subassembly, 1/2 NPT	LS1	1
15	029323	Temp Switch Subassembly, 162 Deg F	TS2	1
16	006099	Bib drain valve 1/4 NPT		1
	*128410	Kit: coolant resevoir upgrade		1

* For older systems. Item numbers 12 through 16 can not be used if the tank has been upgraded with the 128410 kit.

Recommended Spare Parts

Power Supply

<u>Part Number</u>	<u>Description</u>	<u>Designator</u>
005041	Switch, tog 2pl Maint ON/ON	S1
005121	Pushbutton, green, illmn.	PB1
005122	Pushbutton, red, extended	PB2
005151	Holder, lamp	-
005168	Bulb, 28 VDC	-
005091	Lens, white	-
009604	Resistor, variable, 100 K, 1 turn	R9
027080	Fan, 225 CFM, 120 VAC, 50/60 Hz	M2
027079	Fan, 450-550 CFM, 120 VAC, 50/60 Hz	M4
027080	Fan, 225 CFM, 120 VAC, 50/60 Hz	M3
*041151	PCB, THC motherboard	PCB9
*041186	PCB, SA-THC	PCB10
041143	PCB, Control	PCB7
005102	Thermostat, 160°C, 6 Amp	TS1
006014	Valve, solenoid	V1
005093	Switch, pressure, 0-90 psi	PS1
129118	CH130 Chopper SA CE/LVD	CH1/CH2
041534	PCB, power distribution	PCB6
**008551	Fuse, 7.5 Amp, 600VAC	F1, F2
***008709	Fuse, 20 Amp, 500VAC	F1, F2
008317	Fuse, semiconductor, 125 Amp, 250 V	F3, F4
003021	Relay, 120 VAC	CR1
005130	Switch, pressure, SPDT, 0-15 psi	PS3
029317	Transformer, High Voltage SA	T5
029202	Sensor, current	CS1
027005	Filter, coolant	-
011025	Filter/regulator	FR1
011031	Filter Element (used with 011025)	-
011027	Gauge, high pressure	-
128384	Kit: coolant Pump with clamp	-
029323	Switch, water temperature, 162°F	TS2
029326	Switch, level	LS1
029361	Switch, flow, 0.5 gpm	FS1
006053	Valve, check 1/3 psi, 1/4 NPTH	
028872	Coolant, propylene glycol 30%/ deionized water 70% (standard mixture)	
028873	Coolant, propylene glycol 100%	

* Power Supplies with THC

** Used when incoming power is 380V, 415V, 400V or 480V

*** Used when incoming power is 208V, 220V, or 240V