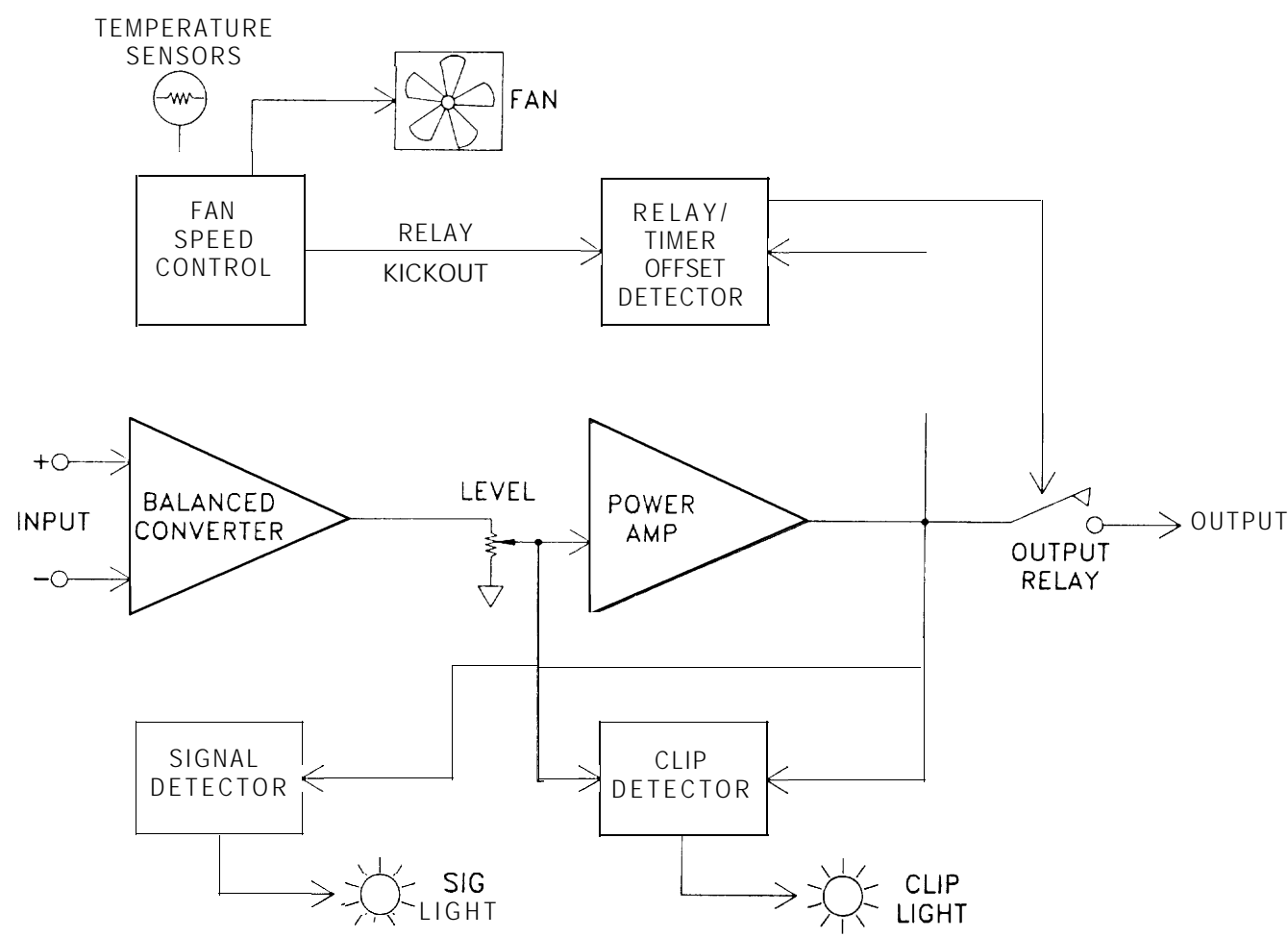
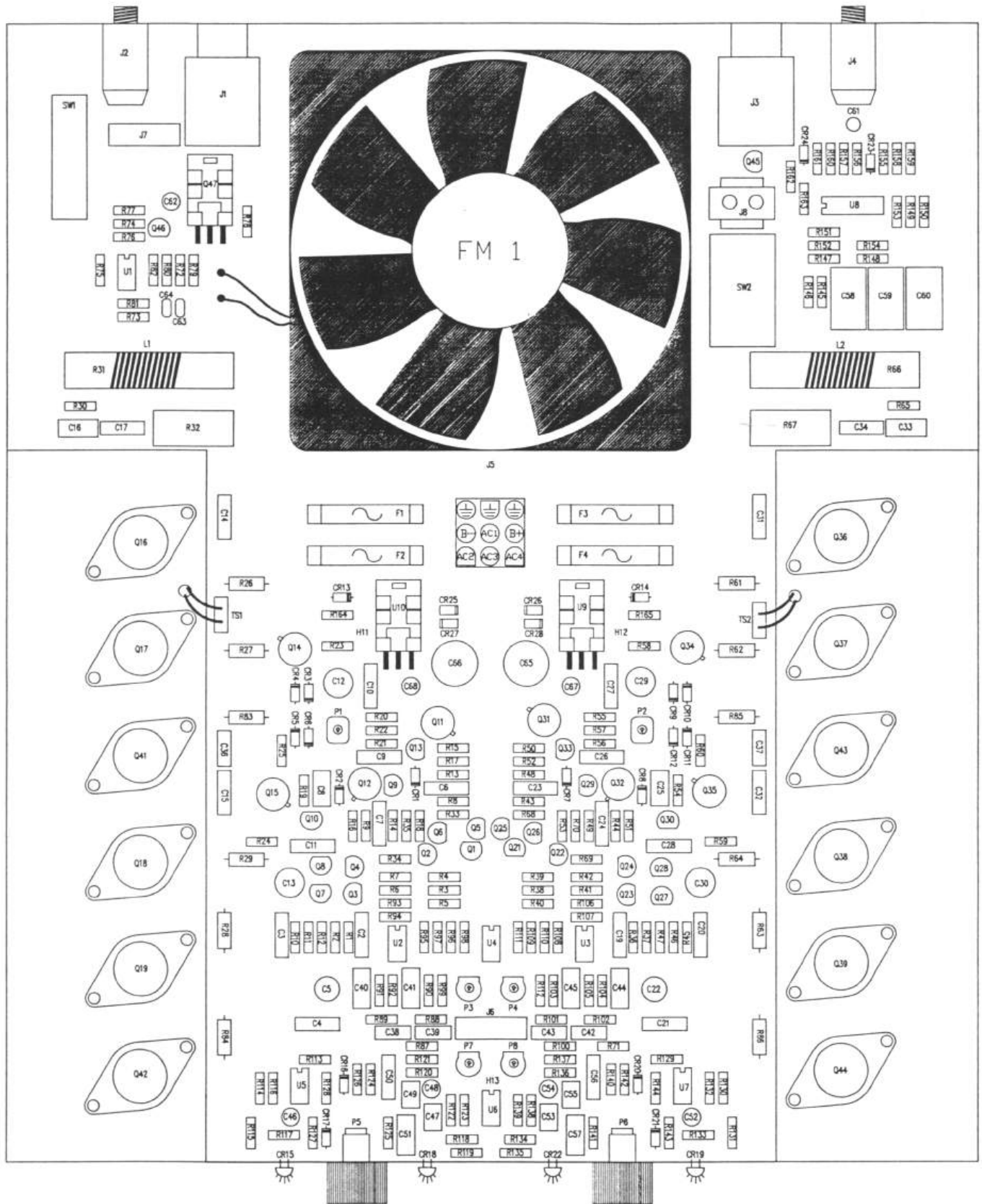


PRO 5000 FUNCTIONAL BLOCK DIAGRAM



CHASSIS PARTS LIST

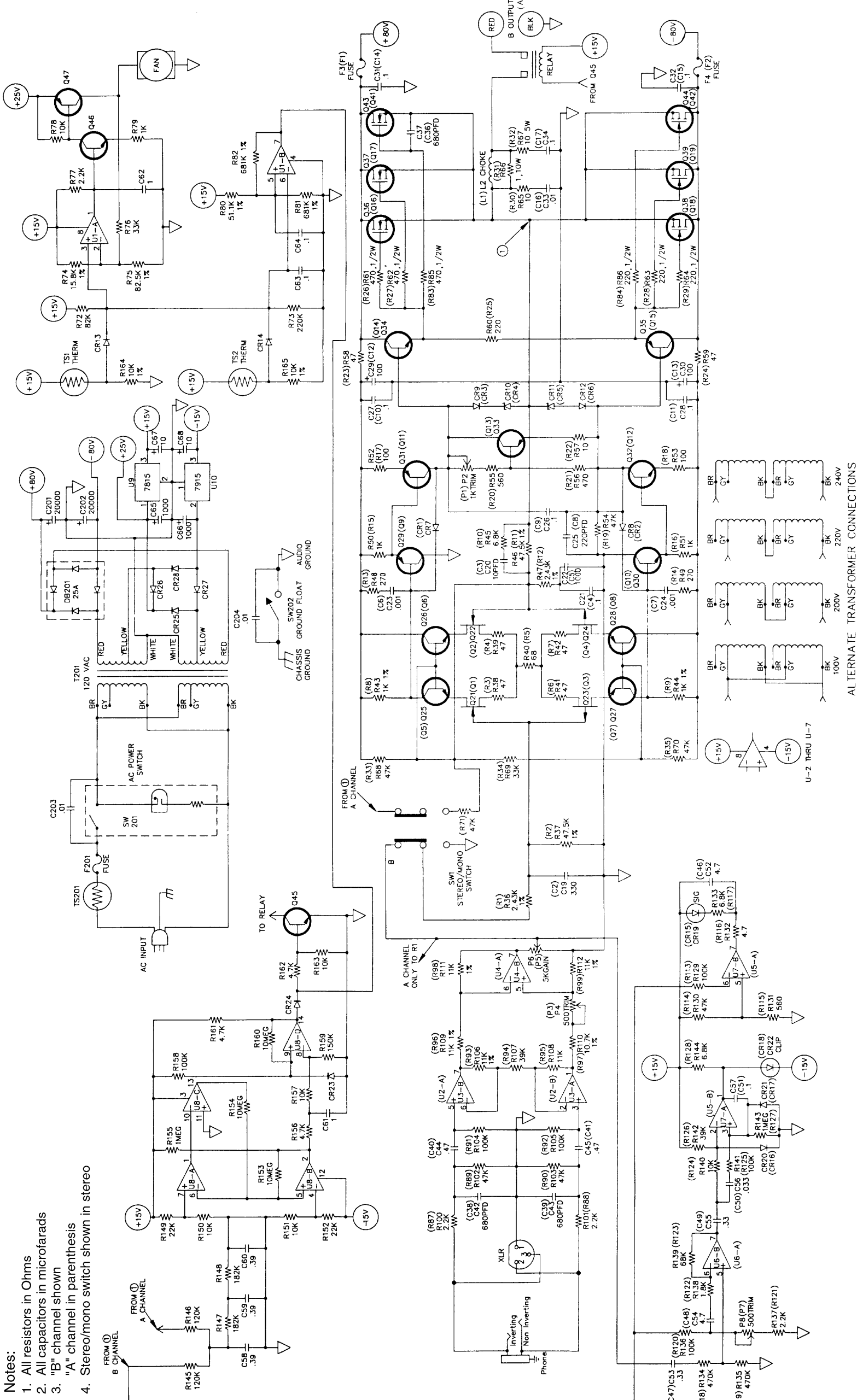
DESIGNATOR	PART DESCRIPTION	PART #
T201	Transformer	TT-PRO5000
DB201	Diode Bridge	SSH-609
F201	10A Fuse	FS-010
SW201	Power Switch	SWH-144
SW202	Grounding Switch	SWH-103
C201, C202	Capacitor 20,000	CER-209
C203	Capacitor .01 (UL approved)	CD-103A
C204	Capacitor .01	CD-103/20
TS201	Inrush Limiter	SSH-618
J201 (J203)	Binding Post, Black	CCH-110B
J202 (J204)	Binding Post, Red	CCH-110R



PRO 5000 SCHEMATIC DIAGRAM

Notes:

- 1. All resistors in Ohms
- 2. All capacitors in microfarads
- 3. "B" channel shown
- 3. "A" channel in parenthesis
- 4. Stereo/mono switch shown in stereo



PARTS LIST PRO 5000

DESIGNATOR: "B" Channel("A" Channel)

DESIGNATOR	PART DESCRIPTION	PART #	DESIGNATOR	PART DESCRIPTION	PART #
(C1)	Unused number		R49 (R14)	270 Ohm, 1/4w, 5%	RC/4-271
C 1 9 (C2)	330 pfd, Polypropylene	CPP-331	R50 (R15)	1000 Ohm, 1/4w, 5%	RC/4-102
c20 (C3)	10 pfd Dipped Mica	CM-100	R51 (R16)	1000 Ohm, 1/4w, 5%	RC/4-102
C21 (C4)	1 mfd, Polycarbonate	CPC-104	R52 (R17)	100 Ohm, 1/4w, 5%	RC/4-101
c 2 2 (C5)	1000 mfd, Non-Polar	CERNP-108	R53 (R18)	100 Ohm, 1/4w, 5%	RC/4-101
C23 (C6)	001 mfd, Polypropylene	CPP-102	R54 (R19)	47k Ohm, 1/4w, 5%	RC/4-473
C24 (C7)	001 mfd, Polypropylene	CPP-102	R55 (R20)	560 Ohm, 1/4w, 5%	RC/4-561
c25 (C8)	220 pfd, Polypropylene	CPP-221	R56 (R21)	470 Ohm, 1/4w, 5%	RC/4-470
C 2 6 (C9)	1 mfd, Polycarbonate	CPC-104	R57 (R22)	10 Ohm, 1/4w, 5%	RC/4-100
C27 (C10)	1 mfd, Polycarbonate	CPC-104	R58 (R23)	47 Ohm, 1/4w, 5%, Carbon Comp	RC/4-470C
C28 (C11)	1mfd, Polycarbonate	CPC-104	R59 (R24)	47 Ohm, 1/4w, 5%, Carbon Comp	RC/4-470C
c 2 9 (C12)	100 mfd, Electrolytic	CER-107D	R60 (R25)	220 Ohm, 1/4w, 5%	RC/4-221
c30 (C13)	100 mfd, Electrolytic	CER-107D	R61 (R26)	470 Ohm, 1/2w, 5%	RC/2-471
c31 (C14)	1mfd, Polycarbonate	CPC-104	R62 (R27)	470 Ohm, 1/2w, 5%	RC/2-471
C 3 2 (C15)	1 mfd, Polycarbonate	CPC-104	R63 (R28)	220 Ohm, 1/2w, 5%	RC/2-221
c 3 3 (C16)	01 mfd, Polycarbonate	OPP-1 03A	R64 (R29)	220 Ohm, 1/2w, 5%	RC/2-221
c 3 4 (C17)	1 mfd, Polycarbonate	CPC-104	R65 (R30)	10 Ohm, 1/4w, 5%	RC/4-100
c35 (C18)	Unused number		R66 (R31)	1 Ohm, 10w, 5%	RW10-010
C 3 7 (C36)	680 pfd, Dipped Mica	CM-681	R67 (R32)	10 Ohm, 5w5%	RW5-010
C42 (C38)	680 pfd, Dipped Mica	CM-681	R68 (R33)	47k Ohm, 1/4w, 5%	RC/4-473
c 4 3 (C39)	680 pfd, Dipped Mica	CM-681	R69 (R34)	33k Ohm, 1/4w, 5%	RC/4-333
c 4 4 (C40)	47 mfd, Polyester	CP-474	R70 (R35)	47k Ohm, 1/4w, 5%	RC/4-473
c 4 5 (C41)	47 mfd, Polyester	CP-474	R71	47k Ohm, 1/4w, 5%	RC/4-473
c52 (C46)	4 7 mfd, Electrolytic	CER-475B	R72	82k Ohm, 1/4w, 5%	RC/4-823
c53 (C47)	33 mfd, Polyester	CP-334	R73	220k Ohm, 1/4w, 5%	RC/4-224
c 5 4 (C48)	4 7 mfd, Non-Polar	CERNP-475A	R74	15 8k Ohm, 1/4w, 1%	RMP/4-1582
c 5 5 (C49)	33 mfd, Polyester	CP-334	R75	82 5k Ohm, 1/4w, 1%	RMP/4-8252
C 5 6 (C50)	033 mfd, Polypropylene	CPP-333	R76	33k Ohm, 1/4w, 5%	RC/4-333
c 5 7 (C51)	1 mfd, Polyester	CP-104A	R77	2 2k Ohm, 1/4w, 5%	RC/4-222
C58	39 mfd, Polyester	CP-394E	R78	10k Ohm, 1/4w, 5%	RC/4-103
c59	39 mfd, Polyester	CP-394E	R79	1 k Ohm, 1/4w, 5%	RC/4-102
C60	39 mfd, Polyester	CP-394E	R80	51 1 k Ohm, 1/4w, 1%	RMP/4-5112
C61	1 mfd, Non-Polar	CERNP-105A	R81	681 k Ohm, 1/4w, 1%	RMP/4-6813
C62	1 mfd, Electrolytic	CER-105C	R82	681 k Ohm, 1/4w, 1%	RMP/4-6813
C63	1 mfd, V-Series	cv-104	R85 (R83)	470 Ohm 1/2w, 5%	RC/2-471
C64	1 mfd, V-Series	cv-104	R86 (R84)	220 Ohm 1/2w, 5%	RC/2-221
C65	1000 mfd, Electrolytic	CER-108B	R100 (R87)	2 2k Ohm, 1/4w, 5%	RC/4-222
C66	1000 mfd, Electrolytic	CER-108B	R101 (R88)	2 2k Ohm, 1/4w, 5%	RC/4-222
C67	10 mfd, Electrolytic	CER-106	R102 (R89)	47k Ohm, 1/4w, 5%	RC/4-473
C68	10 mfd, Electrolytic	CER-106	R103 (R90)	47k Ohm, 1/4w, 5%	RC/4-473
CR 7 (CR1)	FDH400 Diode	SS-163	R104 (R91)	100k Ohm, 1/4w, 5%	RC/4-104
CR8 (CR2)	FDH400 Diode	SS-163	R105 (R92)	100k Ohm, 1/4w, 5%	RC/4-104
CR9 (CR3)	1N4148 Diode	SS-162	R106 (R93)	1 k Ohm, 1/4w, 1%	RMP/4-1102
CR10 (CR4)	1 N5245B Zener Diode, 15V	ss-212	R107 (R94)	39k Ohm, 1/4w, 5%	RC/4-393
CR11 (CR5)	1N5245B Zener Diode, 15V	ss-212	R108 (R95)	11 k Ohm, 1/4w, 1%	RMP/4-1102
CR12 (CR6)	1 N4 148 Diode	SS-162	R109 (R96)	11 k Ohm, 1/4w, 1%	RMP/4-1102
CR13	1 N4 148 Diode	SS-162	R110 (R97)	10.7k Ohm, 1/4w, 1%	RMP/4-1072
CR14	1N4148 Diode	SS-162	R111 (R98)	11 k Ohm, 1/4w, 1%	RMP/4-1102
CR19 (CR15)	MV5754S LED Green	SSH-704	R112 (R99)	11k Ohm, 1/4w, 1%	RMP/4-1102
CR20 (CR16)	1 N4 148 Diode	SS-162	R129 (R113)	100k Ohm, 1/4w, 5%	RC/4-104
CR21 (CR17)	1 N4 148 Diode	SS-162	R130 (R114)	47k Ohm, 1/4w, 5%	RC/4-473
CR22 (CR18)	MV64530 LED, Red	SSH-706	R131 (R115)	560 Ohm, 1/4w, 5%	RC/4-561
CR23	1N4148 Diode	SS-162	R132 (R116)	4.7 Ohm, 1/4w, 5%	RC/4-047
CR24	1N4148 Diode	SS-162	R133 (R117)	6.8k Ohm, 1/4w, 5%	RC/4-682
CR25	1 N4003 Diode	SS-161	R134 (R118)	470k Ohm, 1/4w, 5%	RC/4-474
CR26	1 N4003 Diode	SS-161	R135 (R119)	470k Ohm, 1/4w, 5%	RC/4-474
CR27	1 N4003 Diode	SS-161	R136 (R120)	100k Ohm, 1/4w, 5%	RC/4-104
CR28	1 N4003 Diode	SS-161	R137 (R121)	2 43k Ohm, 1/4w, 1%	RMP/4-2431
F3 (F1)	Fuse 10A	FS-010	R138 (R122)	1 8k Ohm, 1/4w, 5%	RC/4-182
F4 (F2)	Fuse 10A	FS-010	R139 (R123)	68k Ohm, 1/4w, 5%	RC/4-683
FM1	Fan	FAN-P5000	R140 (R124)	10k Ohm 1/4w, 5%	RC/4-103
L2 (L1)	Inductor 14 mH	I-r-I 4	R141 (R125)	100k Ohm, 1/4w, 5%	RC/4-104
P2 (P1)	Pot 1000 Ohm Trimmer	RV-102	R142 (R126)	39k Ohm, 1/4w, 5%	RC/4-393
P4 (P3)	Pot 500 Ohm Trimmer	RVH-501 A	R143 (R127)	1 meg Ohm, 1/4w, 5%	RC/4-105
P6 (P5)	Pot 5000 Ohm Volume	RV-502D	R144 (R128)	6 8k Ohm, 1/4w, 5%	RC/4-682
P8 (P7)	Pot 500 Ohm Trimmer	RVH-501 A	R145	120k Ohm, 1/4w, 5%	RC/4-124
Q21 (Q1)	2SK163 N-Channel JFET	SSH-614T	R146	120k Ohm, 1/4w, 5%	RC/4-124
a 2 2 (Q2)	2SK163 N-Channel JFET	SSH-614T	R147	182k Ohm, 1/4w, 5%	RMP/4-1823
Q23 (Q3)	2SJ74 P-Channel JFET	SSH-617DT	R148	182k Ohm, 1/4w, 5%	RC/4-223
Q24 (Q4)	2SJ74 P-Channel JFET	SSH-617DT	R149	22k Ohm, 1/4w, 5%	RC/4-103
Q25 (Q5)	2N5550 Bi-Polar	SSH-613	R150	10k Ohm, 1/4w, 5%	RC/4-103
Q26 (Q6)	2N5550 Bi-Polar	SSH-613	R151	1 Ok Ohm 1/4w, 5%	RC/4-223
Q27 (Q7)	2N5401 Bi-Polar	SSH-708	R152	22k Ohm, 1/4w, 5%	RC/4-106
Q28 (Q8)	2N5401 Bi-Polar	SSH-708	R153	10 meg Ohm, 1/4w, 5%	RC/4-106
Q29 (Q9)	2N5401 Bi-Polar	SSH-708	R154	10 meg Ohm, 1/4w, 5%	RC/4-106
Q30 (Q10)	2N5550 Bi-Polar	SSH-708	R155	1 meg Ohm, 1/4w, 5%	RC/4-105
Q31 (Q11)	2N5415 Bi-Polar	SSH-616	R156	4 7k Ohm, 1/4w, 5%	RC/4-472
Q32 (Q12)	2N3440 Bi-Polar	SSH-612	R157	10k Ohm 1/4w 5%	RC/4-103
Q33 (Q13)	2N2222 Bi-Polar	SSH-611	R158	100k Ohm, 1/4w, 5%	RC/4-103
Q34 (Q14)	2N3440 Bi-Polar	SSH-612	R159	150k Ohm, 1/4w, 5%	RC/4-154
Q35 (Q15)	2N5415 Bi-Polar	SSH-616	R160	10 meg Ohm, 1/4w, 5%	RC/4-106
Q36 (Q16)	2SK176 N-Channel MOSFET	SSH-607	R161	4 7k Ohm 1/4w, 5%	RC/4-472
Q37 (Q17)	2SK176 N-Channel MOSFET	SSH-607	R162	4 7k Ohm 1/4w, 5%	RC/4-472
Q38 (Q18)	2SJ56 P-Channel MOSFET	SSH-608	R163	1 Ok Ohm, 1/4w, 5%	RC/4-103
Q39 (Q19)	2SJ.56 P-Channel MOSFET	SSH-608	R164	10k Ohm, 1/4w, 1%	RMP/4-1002
Q40 (Q20)	Unused Number		R165	10k Ohm, 1/4w, 1%	RMP/4-1002
Q43 (Q41)	2SK176 N-Channel MOSFET	SSH-607	SW1	Stereo-Mono Switch	SWH-130
Q44 (Q42)	2SJ56 P-Channel MOSFET	SSH-608	SW2	Relay	SWH-148
Q45	MPSA06 Bi-Polar	SS-102A	TS2 (TS1)	Thermistor	SSH-730
Q46	MPSA06 Bi-Polar	SS-102A	U1	LM393 Comparator	SS-207
Q47	2N6490 Bi-Polar	ss-113	u3 (U2)	NE5532 Op-Amp	SSH-667
R36 (R1)	2 43k Ohm, 1/4w, 1%	RMP/4-2431	u4	NE5532 Op-Amp	SSH-667
R37 (R2)	47 5k Ohm, 1/4w, 1%	RC/4-4752	u7 (U5)	LM393 Comparator	SS-207
R38 (R3)	47 Ohm 1/4w, 5%	RC/4-470	U6	TL072 Op-Amp	ss-143
R39 (R4)	47 Ohm 1/4w, 5%	RC/4-470	U8	LM339-Comparator	ss-140
R40 (R5)	68 Ohm 1/4w, 5%	RC/4-680	U9	7815 Regulator	SSH-625
R41 (R6)	47 Ohm 1/4w, 5%	RC/4-470	U10	7915 Regulator	SSH-626
R42 (R7)	47 Ohm, 1/4w, 5%	RC/4-470	J4 (J2)	1/4inch stereo jack	CC-581
R43 (R8)	1000 Ohm, 1/4w, 1%	RMP/4-1001	J3 (J1)	XLR jack	CCH-209
R44 (R9)	1000 Ohm, 1/4w, 1%	RMP/4-1001	J5	9 pin molex header	CCH-212
R45 (R10)	6 8k Ohm, 1/4w, 5%	RC/4-682	J6	8 pin molex header	CCH-176
R46 (R11)	47 5k Ohm 1/4w, 1%	RMP/4-4752	J7	8 pin molex header	CCH-176
R 4 7 (R12)	2 43k Ohm, 1/4w, 1%	RMP/4-2431	J8	2 pin molex header	CCH-213
R48 (R13)	270 Ohm, 1/4w, 5%	RC/4-271	J9	Harness, not pictured	FAH-107