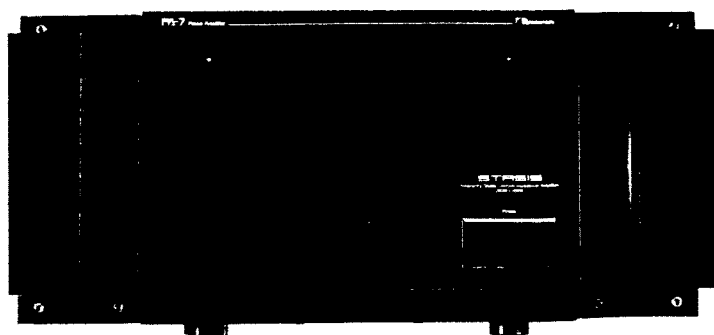




Service Manual

Nakamichi PA-7 PA-7E

Power Amplifier



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1. GENERAL

1.1. Voltage Selector

Voltage selector is installed on the rear panel for Other version of the Nakamichi PA-7.
This voltage selector can select 110 V, 120 V, 220 V or 240 V at customer's disposal.

1.2. Packing Materials, Owner's Manual and Power Cord

Part No.	Description	Q'ty
OF03875B	Outer Carton PA-7	1
OF03876C	Outer Carton PA-7E	1
OF03869B	Inner Carton PA-7	1
OF03870B	Inner Carton PA-7E	1
OF03877B	Packing	2
OD04531A	Owner's Manual English	1
OD04530A	Owner's Manual English/German/French	1
OB90137A	Power Cord PA-7 (U.S.A. & Others)	1
OB90139A	Power Cord PA-7 (Australia)	1
OB90138A	Power Cord PA-7E (220V Class 2)	1
OB90154A	Power Cord PA-7E (Switzerland)	1
OB90140A	Power Cord PA-7E (UK)	1
OF03887A	Power Cord Band	1

4. MECHANISM ASS'Y AND PARTS LIST

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
		Synthesis Serial No.: B20601001 —		A01	HA04832A	Handle L Ass'y Serial No.: B20601001 —	1
01	HA04832A	Handle L Ass'y	1	01	OH04631A	Handle L	1
02	HA04846A	Front Panel Ass'y PA-7	1	02	OJ05006A	Vinyl Chloride Plate A	2
	HA04847A	Front Panel Ass'y PA-7E	1	03	OH04655A	Vinyl Chloride Plate B	1
03	BA05688A	Clipping LED P.C.B. Ass'y	2	L01	OE03310A	M4x6 @ Binding (Black Chromate)	2
04	BA05687A	Power LED P.C.B. Ass'y	1				
05	HA04833A	Handle R Ass'y	1	A02	HA04833A	Handle R Ass'y Serial No.: B20601001 —	1
06	OJ04989B	Front Chassis	1				
07	OB71003A	Power Switch	1	01	OH04632A	Handle R	1
08	OJ05048A	P.C.B. Spacer	4	02	OJ05006A	Vinyl Chloride Plate A	2
09	BA05754B	Limit P.C.B. Ass'y PA-7 (U.S.A.)	1	03	OH04655A	Vinyl Chloride Plate B	1
	BA05755B	Limit P.C.B. Ass'y PA-7 (Australia & Others) & PA-7E	1	L01	OE03310A	M4x6 @ Binding (Black Chromate)	2
10	OH04634D	Heat Sink B	1	A03	HA04846A	Front Panel Ass'y PA-7	1
11	OH04633D	Heat Sink A	1		HA04847A	Front Panel Ass'y PA-7E Serial No.: B20601001 —	1
12	OJ04990A	Side Chassis	2				
13	OJ05025A	Stud	2	01	OH04618B	Front Panel PA-7	1
14	BA05684B	Amp. L P.C.B. Ass'y	1		OH04619B	Front Panel PA-7E	1
15	OM04377B	Caution Label	1	02	HA04849A	Power Switch Button Ass'y	1
16	OH04629B	Top Cover	1	03	OJ05000B	Spring	1
17	OJ05011A	Cushion A	6	04	OH04652B	Guide	1
18	OJ05055A	Cushion B	1	05	OH04653B	Illuminator	1
19	OB12253A	Diode Bridge 15G4B41	2	06	OH04651A	Lens	2
20	OJ05047B	Ground Plate Collar	1	07	OJ05005A	P.C.B. Cushion	2
21	OJ04992C	Ground Plate	1				
22	OJ05003A	Center Stud	1				
23	OB40328A	Electrolytic Capacitor 33000µF 100V	4				
24	OB50046B	Power Transformer 120V PA-7 (U.S.A.)	1				
	OB50048B	Power Transformer 220/240V PA-7 (Australia) & PA-7E	1				
	OB50049A	Power Transformer 120/220-240V PA-7 (Others)	1				
25	OH04650A	Bottom Chassis	1				
26	OJ05009A	Leg T-D	4				
27	HA04845A	Rear Panel Ass'y PA-7 (U.S.A.)	1				
	HA04843A	Rear Panel Ass'y PA-7 (Australia)	1				
	HA04842A	Rear Panel Ass'y PA-7 (Others)	1				
	HA04844A	Rear Panel Ass'y PA-7E	1				
28	BA05685B	Amp. R P.C.B. Ass'y	1				
29	OH04671C	Heat Sink D	1				
30	OH04635D	Heat Sink C	1				
31	OB08515A	Insu-Lock	20				
32	BA05980A	Protector L P.C.B. Ass'y	1				
33	BA05981A	Protector R P.C.B. Ass'y	1				
L01	OE00745A	Bolt M4x10 Hex. Socket Head (Black Chromate)	8				
L02	OE00985A	M3x6 @ Binding (Black Chromate)	16				
L03	OE03283A	ST 3x6 @ Binding (Black Chromate)	7				
L04	OE03220A	ST 3x5 @ Countersunk	2				
L05	OE00857A	BT 3x6 @ Binding	2				
L06	OE03298A	ST 4x14 @ Binding (Black Chromate)	18				
L07	OE03289A	M4x12 @ Binding (Bronze)	8				
L08	OE03030A	M3x6 @ Binding (Nickel)	2				
L09	OE00713A	M3x6 @ Truss (Bronze)	9				
L10	OE03290A	M4x15 @ Binding (Bronze)	2				
L11	OE03299A	Nut Hex. M4	1				
L12	OE03287A	M4x6 @ Binding (Gold)	8				
L13	OE03296A	M4x4 @ Binding (Black Chromate)	12				
L14	OE00907A	ST 4x8 @ Binding (Black Chromate)	8				
L15	OE03286B	Washer 6mm (Black Chromate)	4				
L16	OE03291A	Nut Hex. M6 (Black Chromate)	4				
L17	OE00972A	Nut Hex. M3 (Nickel)	2				
L18	OE00594A	M3x8 @ Binding (Bronze)	2				
L19	OE03034A	M4x8 @ Binding (Nickel)	3				
L20	OJ05063A	Fiber Washer 0.5T	8				

2. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

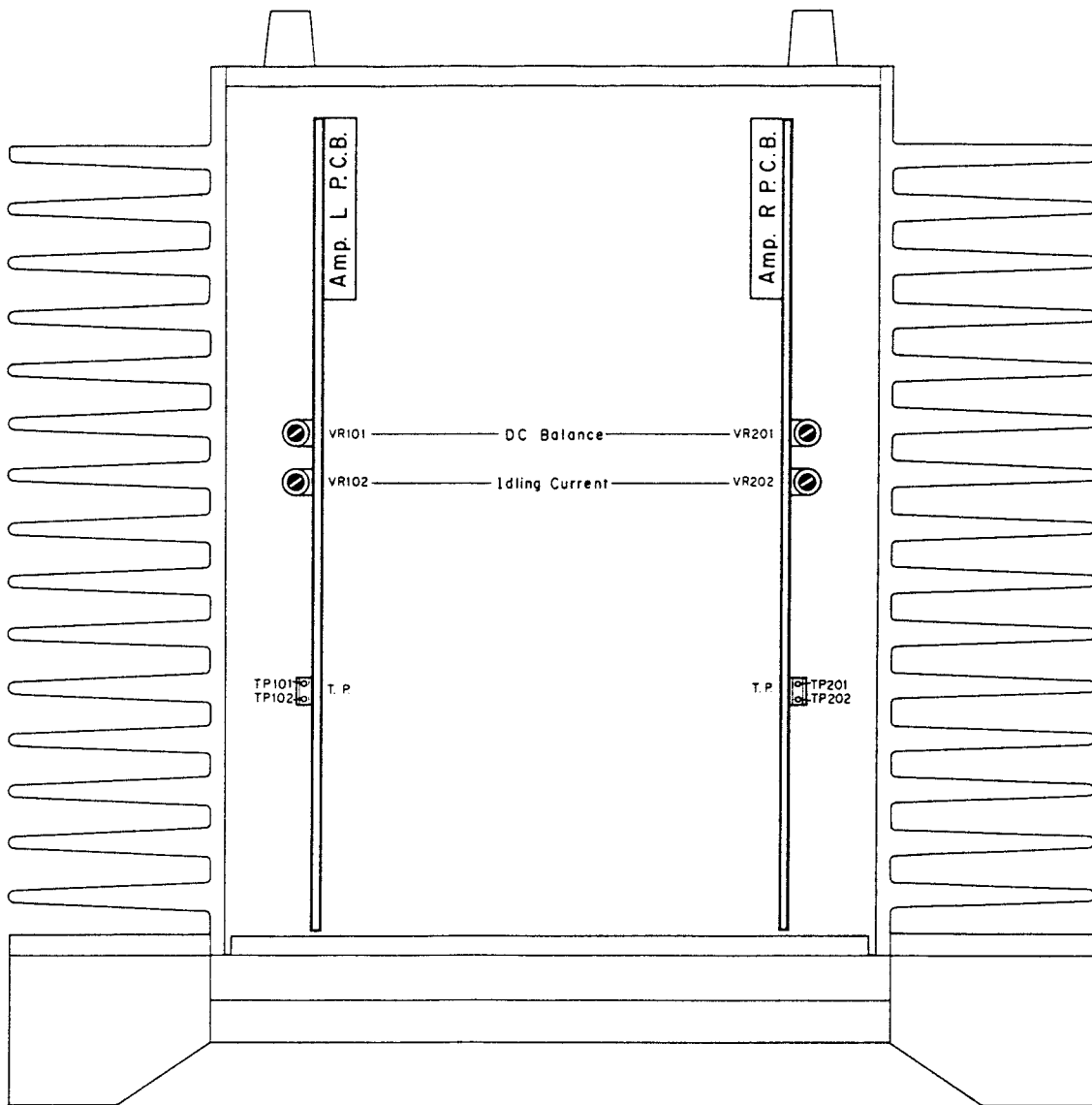


Fig. 2

3. ELECTRICAL ADJUSTMENTS

3.1. Preparation for Adjustment

- (1) Insert shorting pins into the Input Jacks.
- (2) Remove loads of the speaker terminals.
- (3) Before starting adjustment, allow twenty minutes or more after the power is turned ON.

3.2. DC Balance Adjustment

- (1) Connect a DC voltmeter to the L (R) channel speaker terminal.
- (2) Adjust VR101 (VR201) to obtain 0 ± 100 mV on the DC voltmeter.

3.3. Idling Current Adjustment

- (1) Connect a DC voltmeter between TP101 and TP102 (TP201 and TP202) on the Amp. L (R) P.C.B. Ass'y.
- (2) Adjust VR102 (VR202) to obtain 40 mV on the DC voltmeter (idling current: 40 mA).
- (3) Repeat 3.2 and 3.3 one or two times.
- (4) Remove shorting pins from the Input Jacks.

4.1. Synthesis

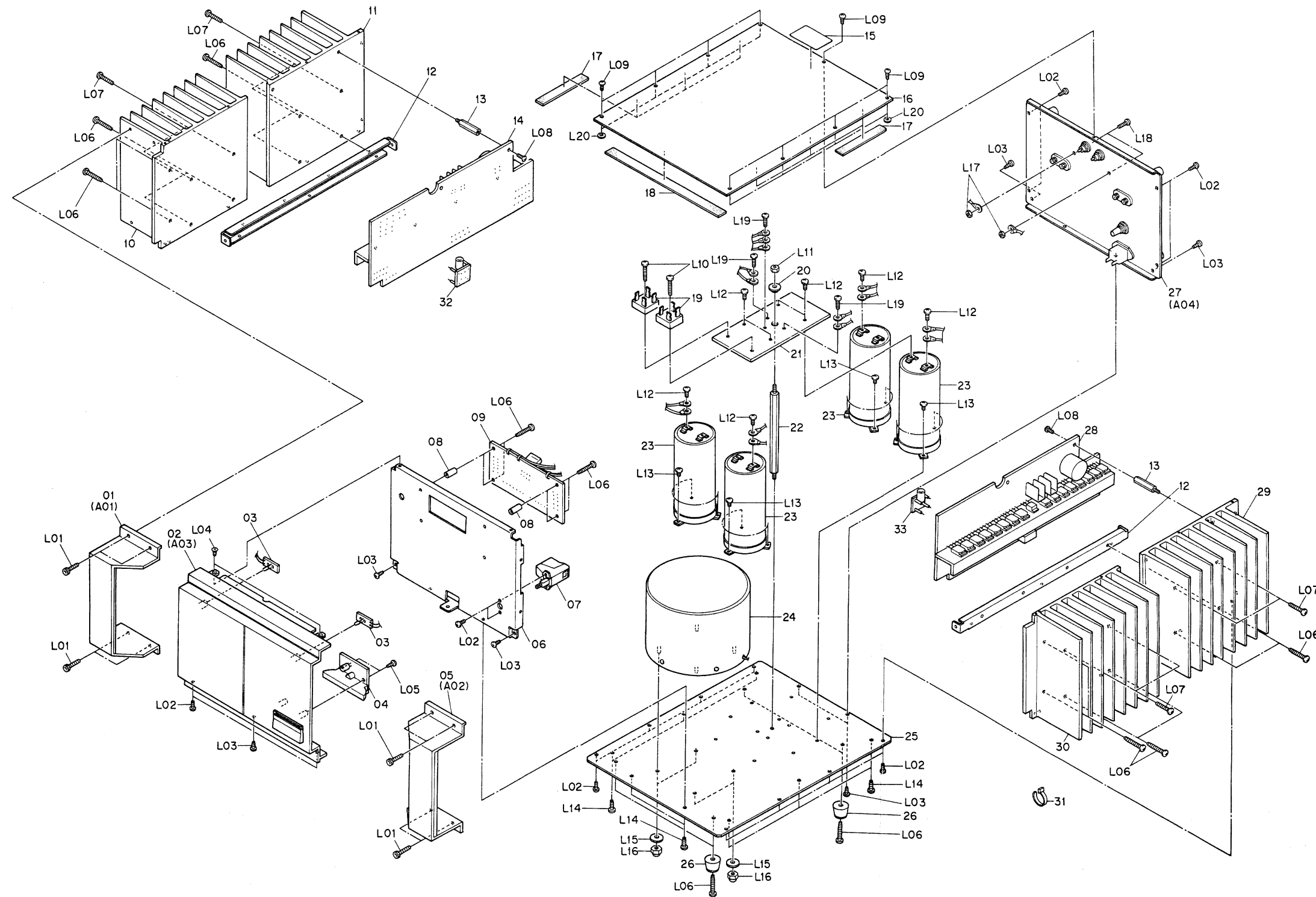


Fig. 4.1

4.2. Handle L Ass'y (A01)

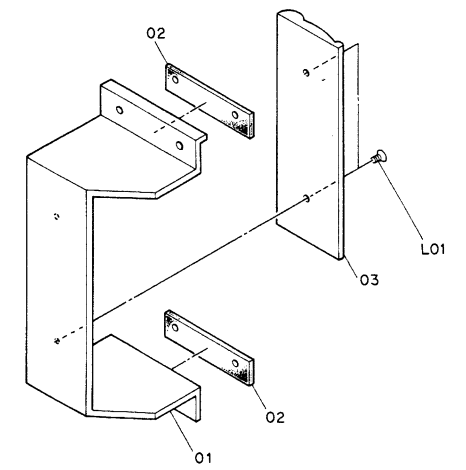


Fig. 4.2

4.3. Handle R Ass'y (A02)

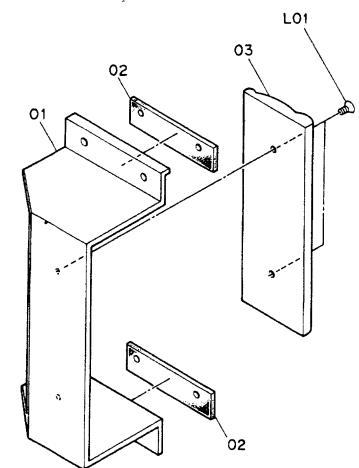


Fig. 4.3

4.4. Front Panel Ass'y (A03)

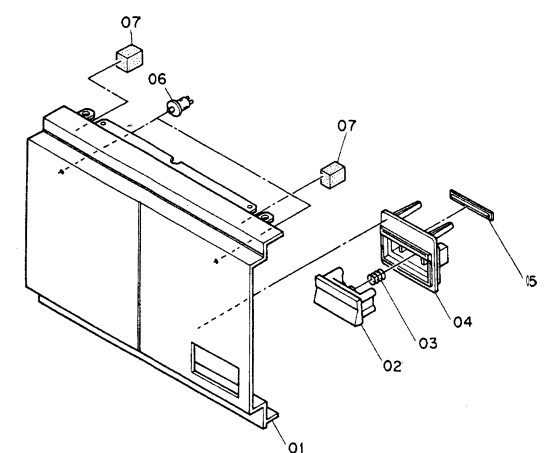


Fig. 4.4

4.5. Rear Panel Ass'y (A04)

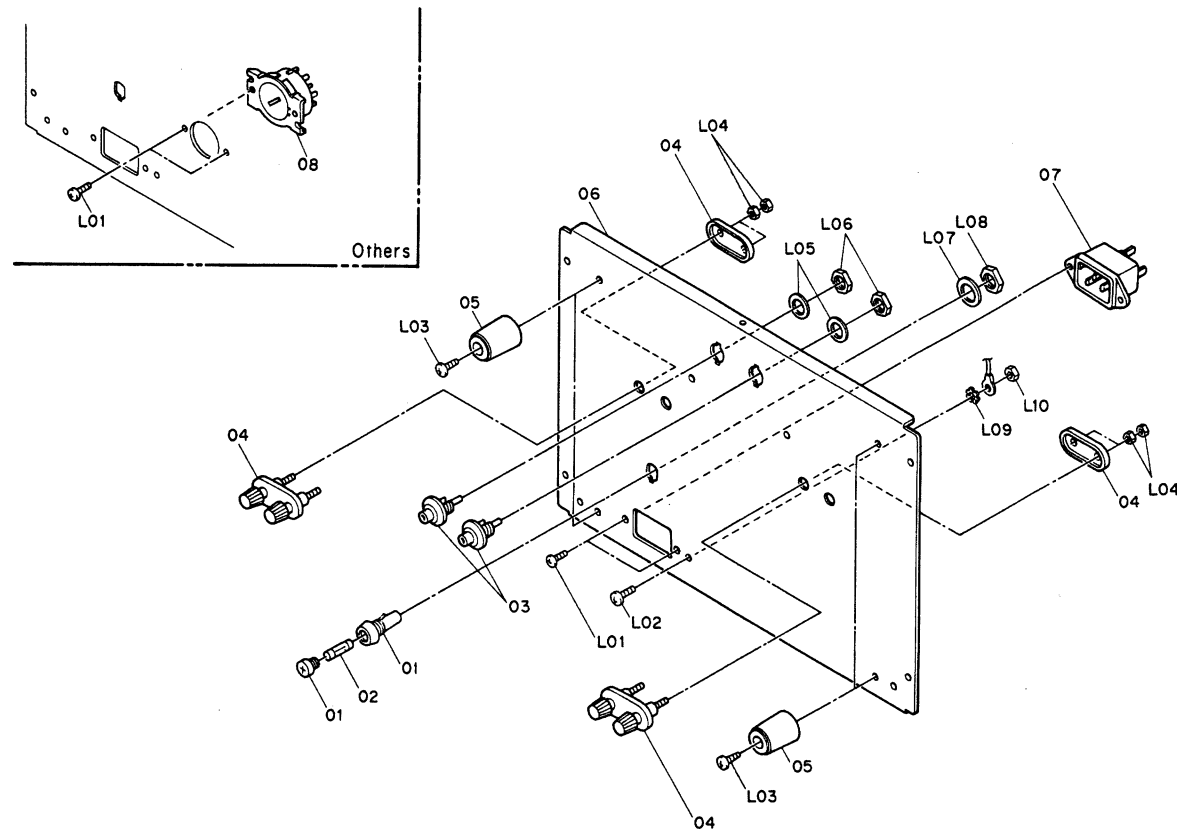


Fig. 4.5

Schematic Ref. No.	Part No.	Description	Q'ty
A04	HA04845A	Rear Panel Ass'y PA-7 (U.S.A.)	1
	HA04843A	Rear Panel Ass'y PA-7 (Australia)	1
	HA04842A	Rear Panel Ass'y PA-7 (Others)	1
	HA04844A	Rear Panel Ass'y PA-7E Serial No.: B20601001 -	1
01	OB90093A	Fuse Holder PA-7 (U.S.A. & Others)	1
	OB90094A	Fuse Holder PA-7 (Australia) & PA-7E	1
02	OB90118A	Fuse 10A PA-7 (U.S.A. & Others)	1
	OB90120A	Fuse T5A PA-7 (Australia) & PA-7E	1
03	OB81364A	Pin Jack	2
04	OB81365A	Speaker Terminal	2
05	OJ05029A	Leg T-A	4
06	OH04624D	Rear Panel PA-7 (U.S.A. & Australia)	1
07	OH04660D	Rear Panel PA-7 (Others)	1
	OH04625D	Rear Panel PA-7E	1
	OB90092A	AC Inlet PA-7 (U.S.A.)	1
	OB90087A	AC Inlet PA-7 (Australia & Others) & PA-7E	1
08	OB70049A	Voltage Selector PA-7 (Others)	1
L01	OE00818A	M3x8 Binding (Black Chromate)	2
L02	OE03058A	M4x8 Binding (Black Chromate)	1
L03	OE03313A	BT 4x8 Binding (Black Chromate)	4
L04	—	Speaker Terminal Nut	8
L05	—	Pin Jack Washer	2
L06	—	Pin Jack Nut	2
L07	—	Fuse Holder Washer	1
L08	—	Fuse Holder Nut	1
L09	OE00078A	Washer 4mm Toothed Lock	1
L10	OE00506A	Nut Hex. M4	1

5. MOUNTING DIAGRAMS AND PARTS LIST

- Notes: 1. Mounting diagram shows a dip side view of the printed circuit board.
 2. Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.
 3. Abbreviation for part name:
 TR — Transistor, SiD — Silicon Diode, ZD — Zener Diode
 RK — Carbon Resistor, RM — Metal Film Resistor, RF — Fail Safe Type Resistor, RC — Cement Resistor
 CE — Electrolytic Capacitor, CM — Mylar Capacitor, CC — Ceramic Capacitor, CP — PP Capacitor,
 CT — Tantalum Capacitor, CF — Film Capacitor, C — Mica Capacitor

5.1. Clipping LED P.C.B. Ass'y

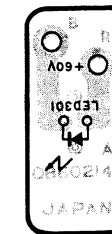


Fig. 5.1

5.2. Power LED P.C.B. Ass'y

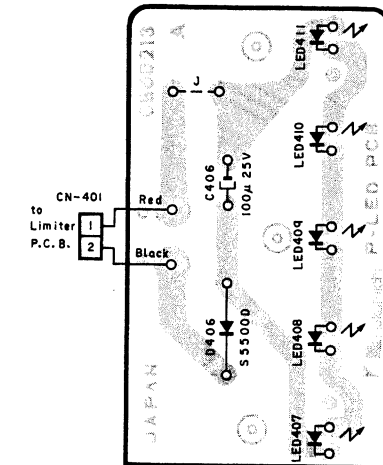


Fig. 5.2

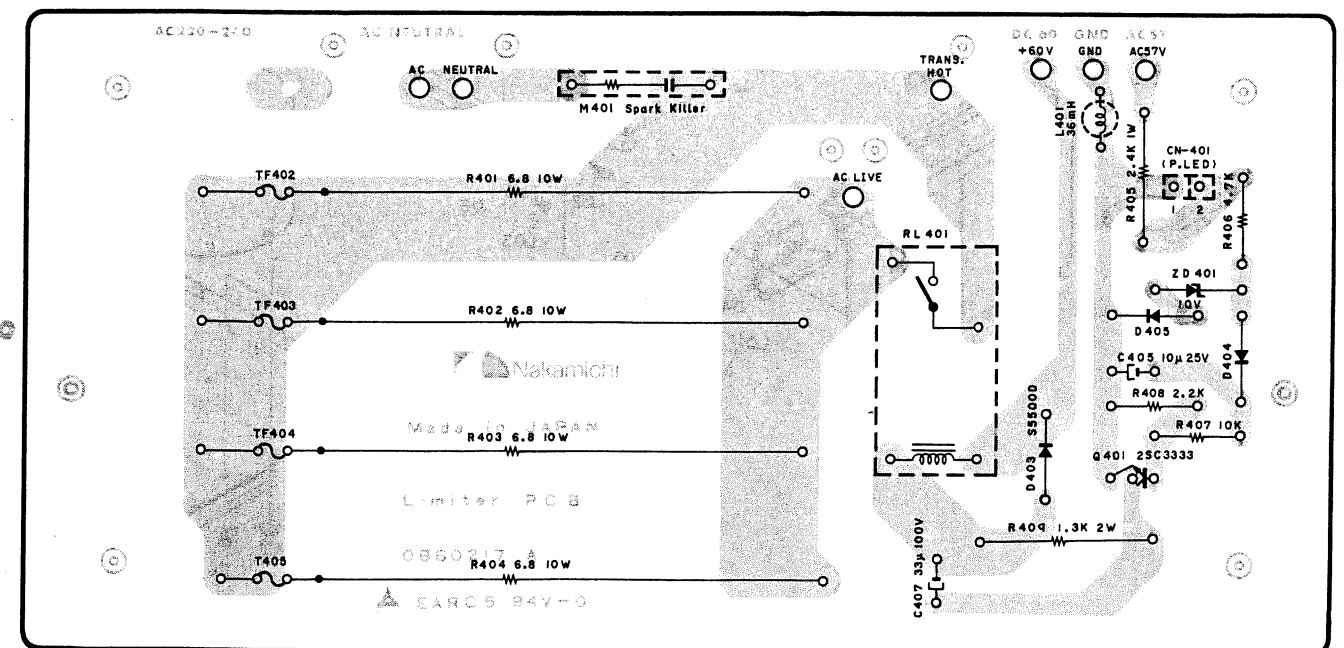


Fig. 5.3

5.4. Amp. L P.C.B. Ass'y

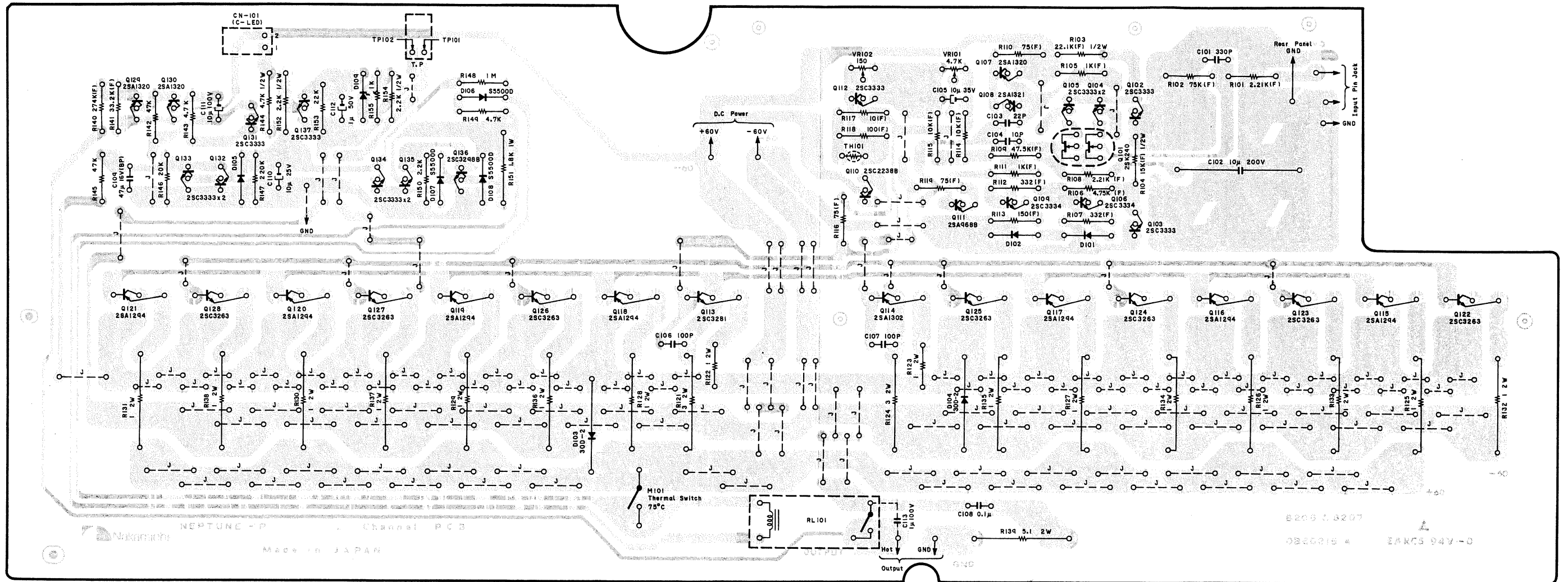


Fig. 5.4

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description																							
LED301	BA05688A	Clipping LED P.C.B. Ass'y	Q401 ZD401 D403 D404,405 L401 R401-404 R405 R406 R407 R408 R409 C405 C407 RL401 M401	BA05754B	Limiter P.C.B. Ass'y PA-7 (U.S.A. & Canada)	Q101 Q102-105 112,131 132,133 134,135 137 Q106,109 Q107,129 130 Q108 Q110 Q111 Q113 Q114 Q115-121 Q122-128 Q136 D101,102 105,109 D103,104 D106,107 108 VR101 VR102 R101,108 R102 R103 R104	BA05684B	Amp. L P.C.B. Ass'y	R105,111 R106 R107,112 R109 R110,116 119 R113 R114,115 R117 R118 R121,124 R122,123 R125-138	OB09491A OB09424A OB09760A OB22638A OB22632A	RM 1K 1/4W F RM 4.75K 1/4W F RM 332 1/4W F RM 47.5K 1/4W F RM 75 1/4W F	C103 C104 C105 C106,107 C108 C109 C110 C111 C112 C113 TH101 M101 RL101	OB41539A OB41538A OB40336A OB41540A OB41537A OB40331A OB01674A OB40330A OB01405A OB41619A OB19003A OB90084A OB90083A	C 22P 50V J C 10P 50V J CE 10μ 35V C 100P 100V J CM 0.1μ 100V J CE 47μ 16V (BP) CE 10μ 25V CE 10μ 100V CE 1μ 50V CE 1μ 100V Thermistor 102F Thermal Switch 75°C Relay 10A 250V AC																							
	OB60214A OB12260B OB82418A	Clipping LED P.C.B. LED Red LED Cord (1)		BA05755B	Limitier P.C.B. Ass'y PA-7 (Australia & Others) & PA-7E		OB10103A OB06257A OB10103A	Amp. L P.C.B. FET 2SK240 TR 2SC3333 (11)	OB09491A OB09424A OB09760A OB22638A OB22632A	RM 1K 1/4W F RM 4.75K 1/4W F RM 332 1/4W F RM 47.5K 1/4W F RM 75 1/4W F	C103 C104 C105 C106,107 C108 C109 C110 C111 C112 C113 TH101 M101 RL101	OB41539A OB41538A OB40336A OB41540A OB41537A OB40331A OB01674A OB40330A OB01405A OB41619A OB19003A OB90084A OB90083A	C 22P 50V J C 10P 50V J CE 10μ 35V C 100P 100V J CM 0.1μ 100V J CE 47μ 16V (BP) CE 10μ 25V CE 10μ 100V CE 1μ 50V CE 1μ 100V Thermistor 102F Thermal Switch 75°C Relay 10A 250V AC																								
	BA05687A	Power LED P.C.B. Ass'y		OB60217A OB10103A OB06233A OB12252A OB06181A OB03919C OB24065A OB24074A OB01846A OB01888A OB05622A OB24072A OB01674A OB40341A OB90088A OB08342A	Limitier P.C.B. TR 2SC3333 ZD 10V RD10EB3 SiD S5500D SiD 1SS53 Inductor 36mH RF 6.8 10W RF 2.4K 1W J RK 4.7K 1/4W J RK 10K 1/4W J RK 2.2K 1/4W J RF 1.3K 2W J CE 10μ 25V CE 33μ 100V		OB10143A OB10102A OB10142A OB10101A OB10100A OB10130A OB10129A OB10098A OB10099A OB10145A OB06181A	TR 2SC3334 TR 2SA1320 TR 2SC1321 TR 2SC2238B TR 2SA968B TR 2SC3281 TR 2SA1302 TR 2SA1294 (7) TR 2SC3263 (7) TR 2SC3298B SiD 1SS53	R139 R140 R141 R142,145 R143,149 R144 R146 R147 R148 R150 R151 R152 R153 R154 R155 C101 C102	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A RK 20K 1/4W J OB05625A RK 220K 1/4W J OB05776A RK 1M 1/4W J OB05622A RK 2.2K 1/4W J OB24060A RF 1.8K 1W J OB24073A RF 2.2K 1/2W J OB05615A RK 22K 1/4W J OB24073A RF 2.2K 1/2W J OB01857A RK 1K 1/4W J C 330P 100V J OB41536A CM 10μ 200V K	OB24059A OB09752A RM 274K 1/4W F OB09446A RM 33.2K 1/4W F OB05641A RK 47K 1/4W J OB01846A RK 4.7K 1/4W J OB24062A RF 4.7K 1/2W J OB09509A 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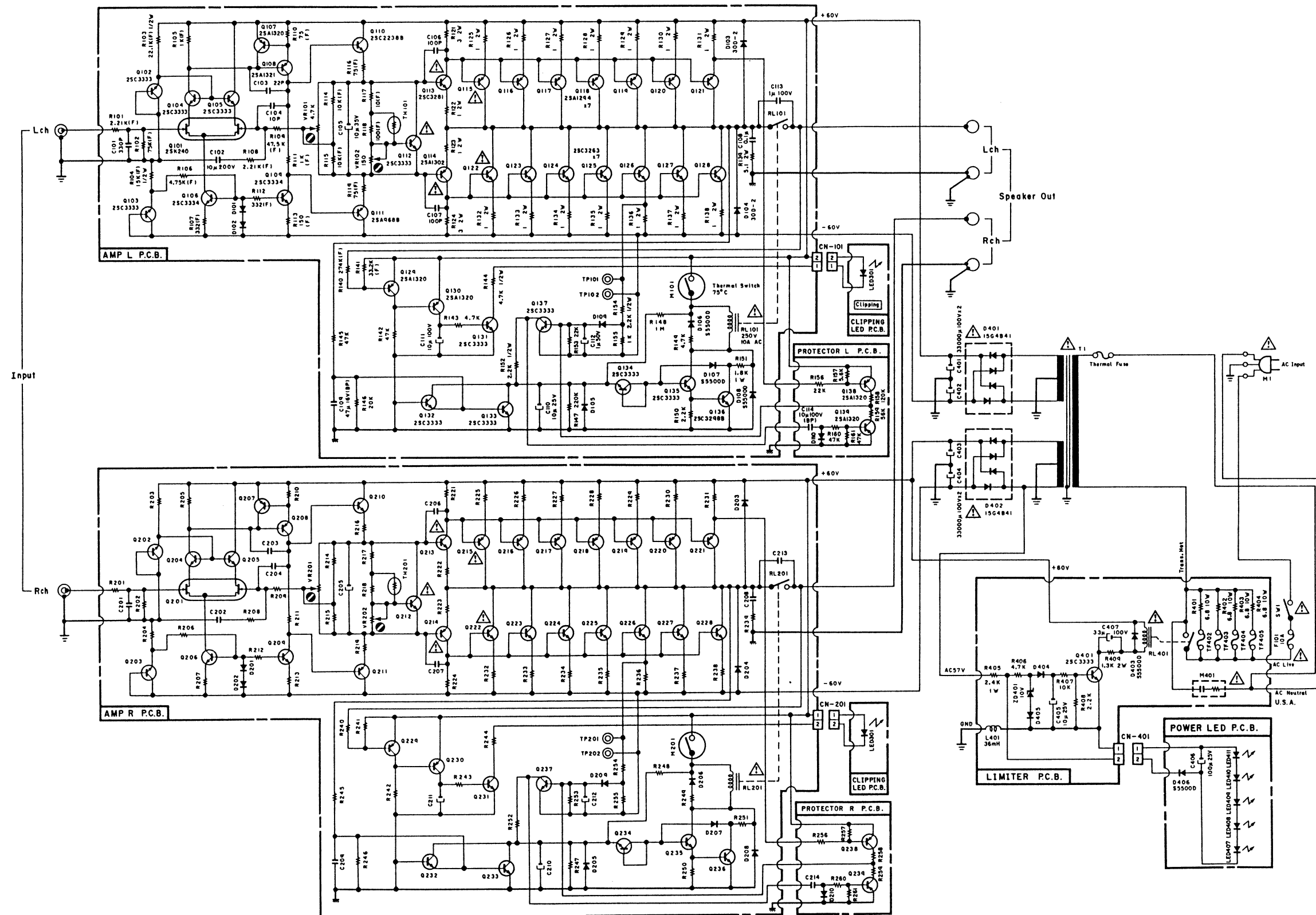
Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
	BA05685B	Amp. R P.C.B. Ass'y	R205,211	OB09491A	RM 1K 1/4W F	C203	OB41539A	C 22P 50V J		BA05980A	Protector L P.C.B. Ass'y
Q201	OB60216A	Amp. R P.C.B.	R206	OB09424A	RM 4.75K 1/4W F	C204	OB41538A	C 10P 50V J			
Q202-205	OB06257A	FET 2SK240	R207,212	OB09760A	RM 332 1/4W F	C205	OB40336A	CE 10u 35V			
212,231	OB10103A	TR 2SC3333 (11)	R209	OB22638A	RM 47.5K 1/4W F	C206,207	OB41540A	C 100P 100V J			
232,233			R210,216	OB22632A	RM 75 1/4W F	C208	OB41537A	CM 0.1u 100V J	Q138,139	OB60308A	Protector L P.C.B.
234,235			219			C209	OB40331A	CE 47u 16V (BP)	D110	OB10102A	TR 2SA1320
237			R213	OB22633A	RM 150 1/4W F	C210	OB401674A	CE 10u 25V	R156	OB06181A	SID 1SS53
Q206,209	OB10143A	TR 2SC3334	R214,215	OB09203A	RM 10K 1/4W F	C211	OB40330A	CE 10u 100V	R157	OB05615A	RK 22K 1/4W J
Q207,229	OB10102A	TR 2SA1320	R217	OB22666A	RM 10 1/4W F	C212	OB01405A	CE 1u 50V	R158	OB01887A	RR 5.6K 1/4W J
230			R218	OB22567A	RM 100 1/4W F	C213	OB41619A	CE 1u 100V	R159	OB05621A	RK 120K 1/4W J
Q208	OB10142A	TR 2SC1321	R221,224	OB24058A	RF 3 2W J	TH201	OB19003A	Thermistor 102F	R160,161	OB05508A	RK 56K 1/4W J
Q210	OB10101A	TR 2SC2238B	R222,223	OB24064A	RC 1 2W	M201	OB90084A	Thermal Switch 75°C	C114	OB05641A	RK 47K 1/4W J
Q211	OB10100A	TR 2SA968B	R225-238	OB24057A	RF 1 2W J	RL201	OB90083A	Relay 10A 250V AC		OB40371A	CE 10u 100V (BP)
Q213	OB10130A	TR 2SC3281					OB81366A	2P-S Post (2)		BA05981A	Protector R P.C.B. Ass'y
Q214	OB10129A	TR 2SA1302	R239	OB24059A	RF 5.1 2W J		OB82412C	DC Cord (R) (1)			
Q215-221	OB10098A	TR 2SA1294 (7)	R240	OB09752A	RM 274K 1/4W F		OB82413C	DC Cord (BL) (1)			
Q222-228	OB10099A	TR 2SC3263 (7)	R241	OB09446A	RM 33.2K 1/4W F		OB82414A	G-Prot. Cord (1)	Q238,239	OB60309A	Protector R P.C.B.
Q236	OB10145A	TR 2SC3298B	R242,245	OB05641A	RK 47K 1/4W J		OB82415C	G-Input Cord (1)	D210	OB10102A	TR 2SA1320
D201,202	OB06181A	SID 1SS53	R243,249	OB01846A	RK 4.7K 1/4W J		OB82419C	SP Out R Cord (1)	R256	OB06181A	SID 1SS53
205,209			R244	OB24062A	RF 4.7K 1/2W J		OB82420D	SP Out B Cord (1)	R257	OB05615A	RK 22K 1/4W J
D203,204	OB06458A	SID 30D-2	R246	OB09509A	RK 20K 1/4W J		OB82428B	Input Cord (1)	R258	OB01887A	RK 5.6K 1/4W J
D206,207	OB12252A	SID S5500D	R247	OB05625A	RK 220K 1/4W J		OE00754A	M3x8 @ Fan (20)	R259	OB05621A	RK 120K 1/4W J
208			R248	OB05776A	RK 1M 1/4W J		OE00966A	M3x5 @ Binding (2)	R260,261	OB05508A	RK 56K 1/4W J
VR201	OB32043A	Semi-fixed VR 4.7K	R250	OB05622A	RK 2.2K 1/4W J		OE00966A	Heat Sink A (2)	C214	OB05641A	RK 47K 1/4W J
VR202	OB32052A	Semi-fixed VR 150	R251	OB24060A	RF 1.8K 1W J		OE00972A	Nut Hex. M3 (2)		OB40371A	CE 10u 100V (BP)
R201,208	OB09547A	RM 2.2K 1/4W F	R252	OB24073A	RF 2.2K 1/2W J		OB90082A	TR Mica (2)			
R202	OB09562A	RM 75K 1/4W F	R253	OB05615A	RK 22K 1/4W J		OB90075B	P.C.B. Stand (1)			
R203	OB22672A	RM 22.1K 1/2W F	R254	OB24073A	RF 2.2K 1/2W J						
R204	OB22671A	RM 15K 1/2W F	R255	OB01857A	RK 1K 1/4W J						
			C201	OB41541A	C 330P 100V J						
			C202	OB41536A	CM 10u 200V K						

5.7. Protector R P.C.B. Ass'y

[illegible]

Fig. 5.7

6. SCHEMATIC DIAGRAM



Note: Diode is 1SS53, 1S1555, or 1SS176 unless otherwise specified.

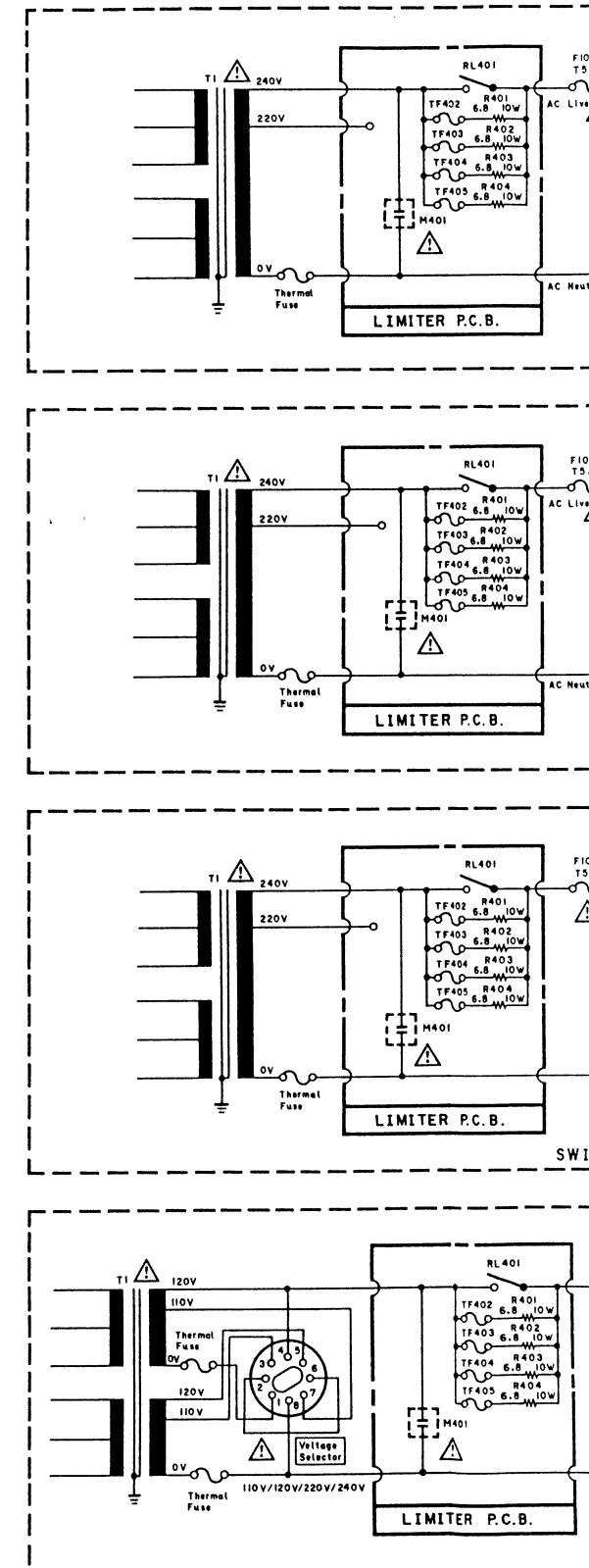


Fig. 6

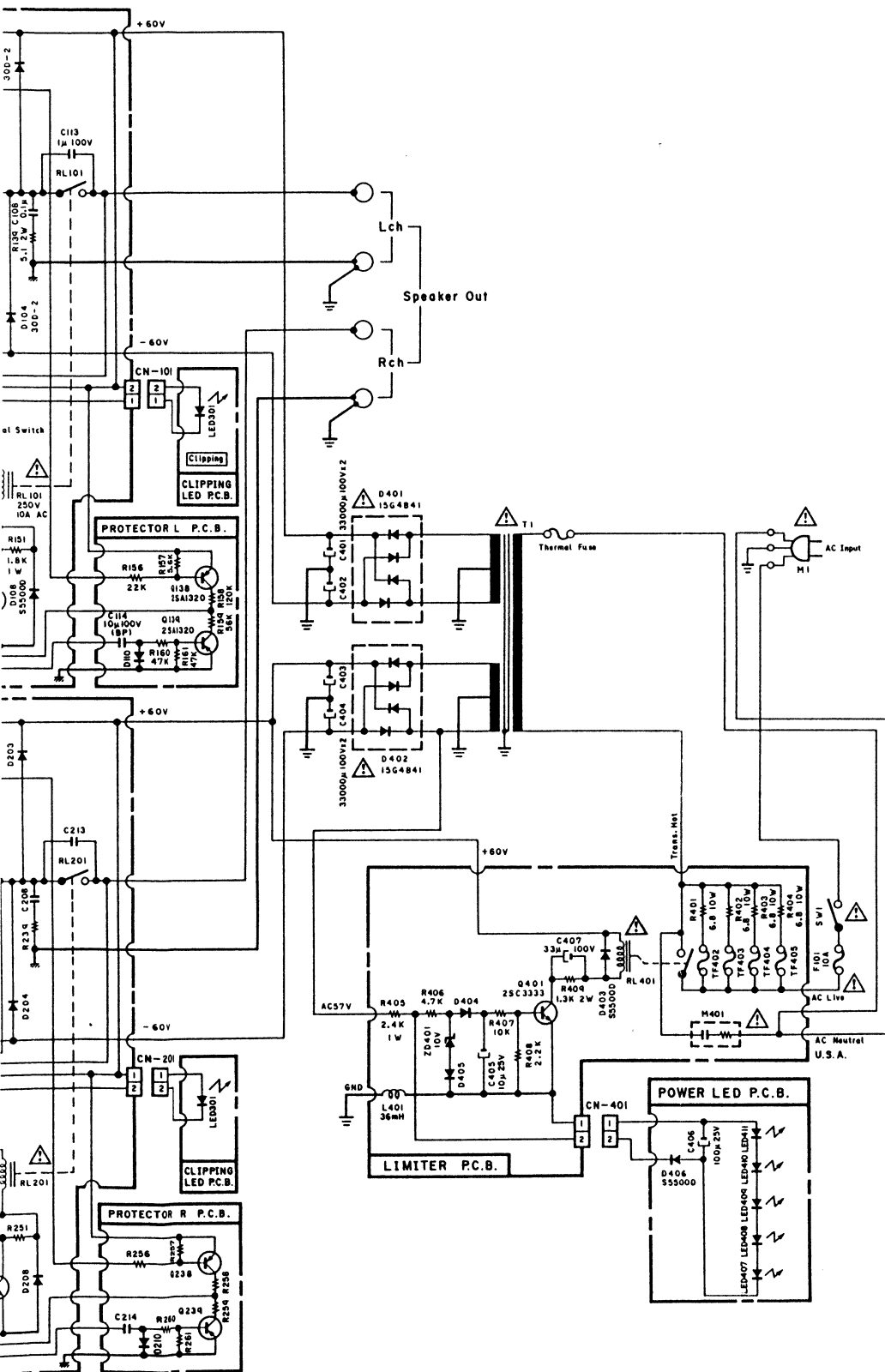
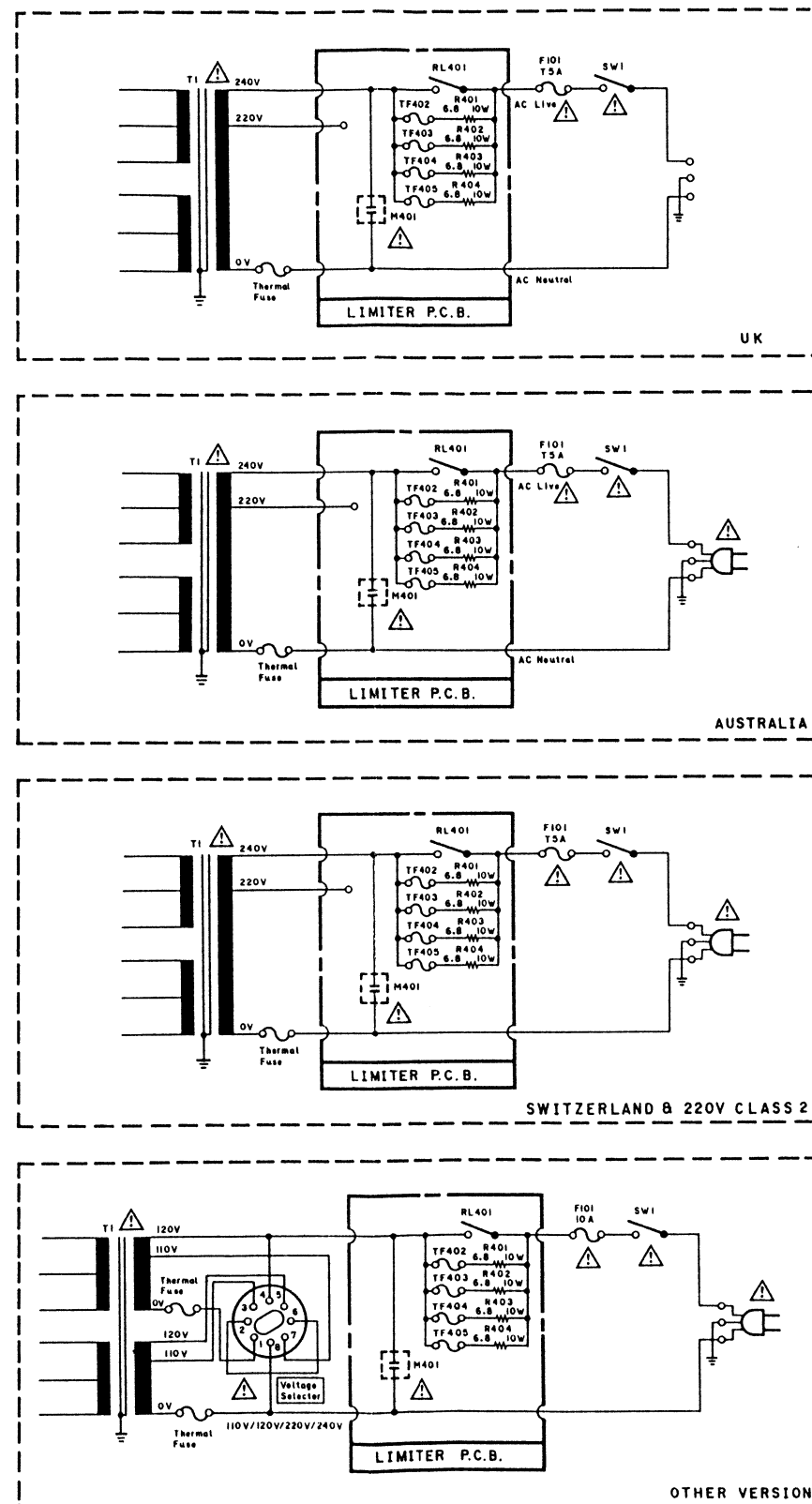



Fig. 6



WARNING:

Parts marked with the symbol  have critical characteristics.

Use **ONLY** replacement parts recommended by the manufacturer.

It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamp, or if the resistance from chassis to either side of the power cord is less than 240 k ohms, the unit is defective.

WARNING — DO NOT return the unit to the customer until the problem is located and corrected.

7. WIRING DIAGRAM

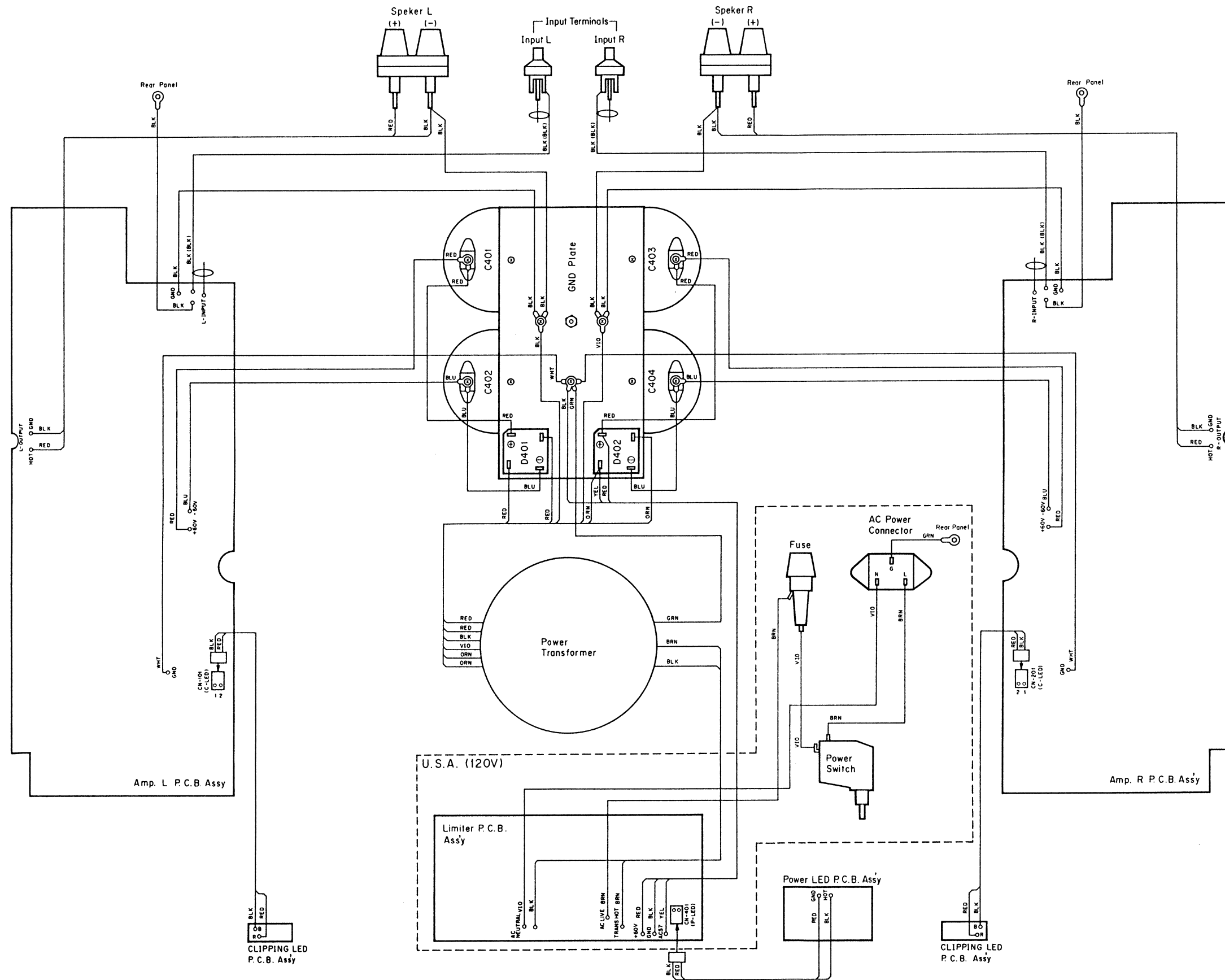
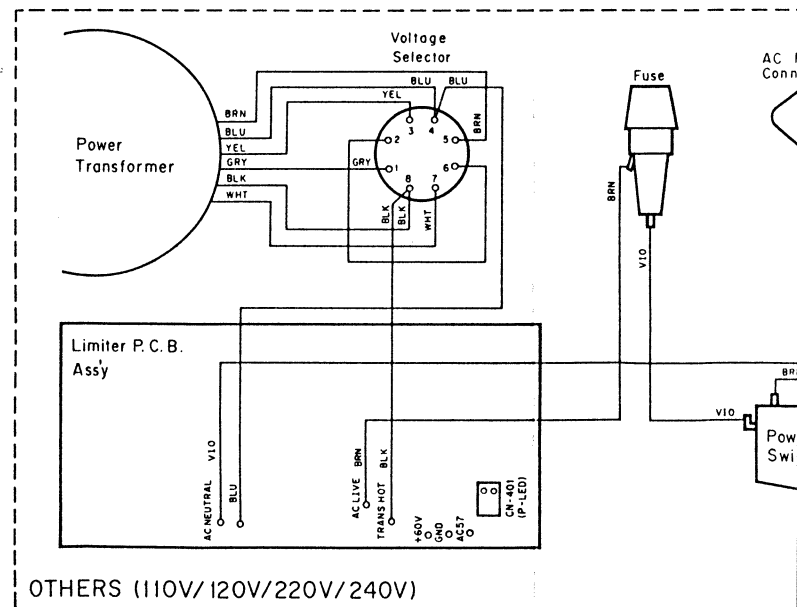
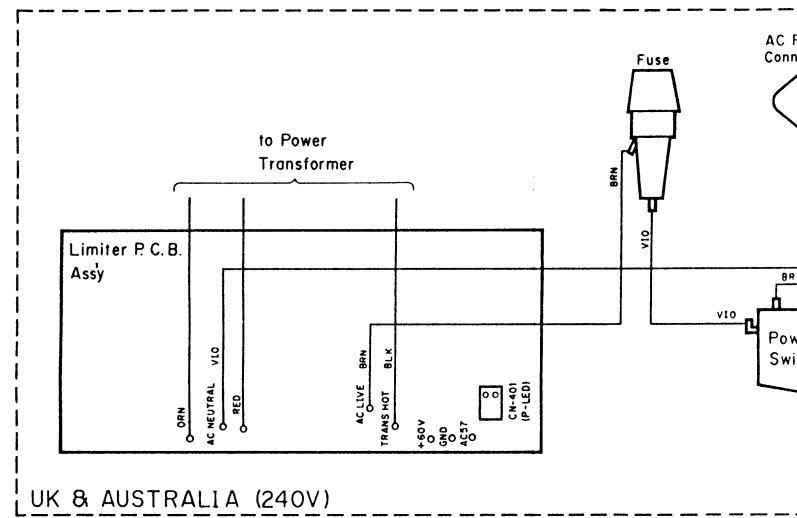
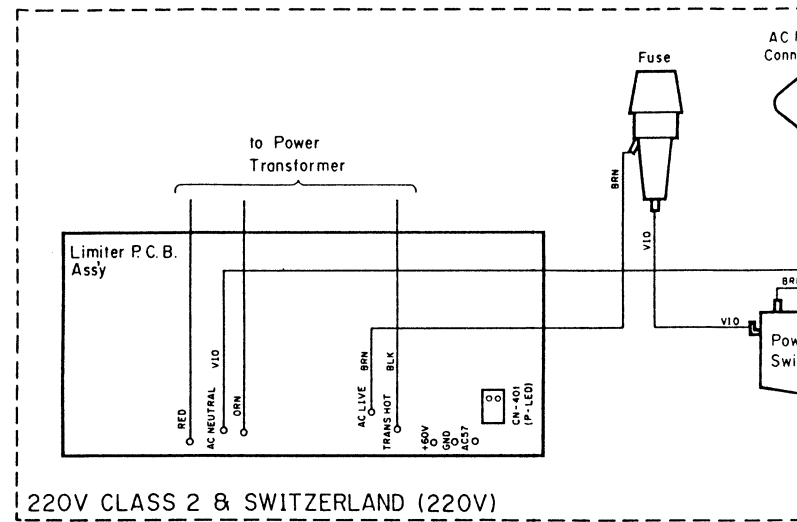


Fig. 7



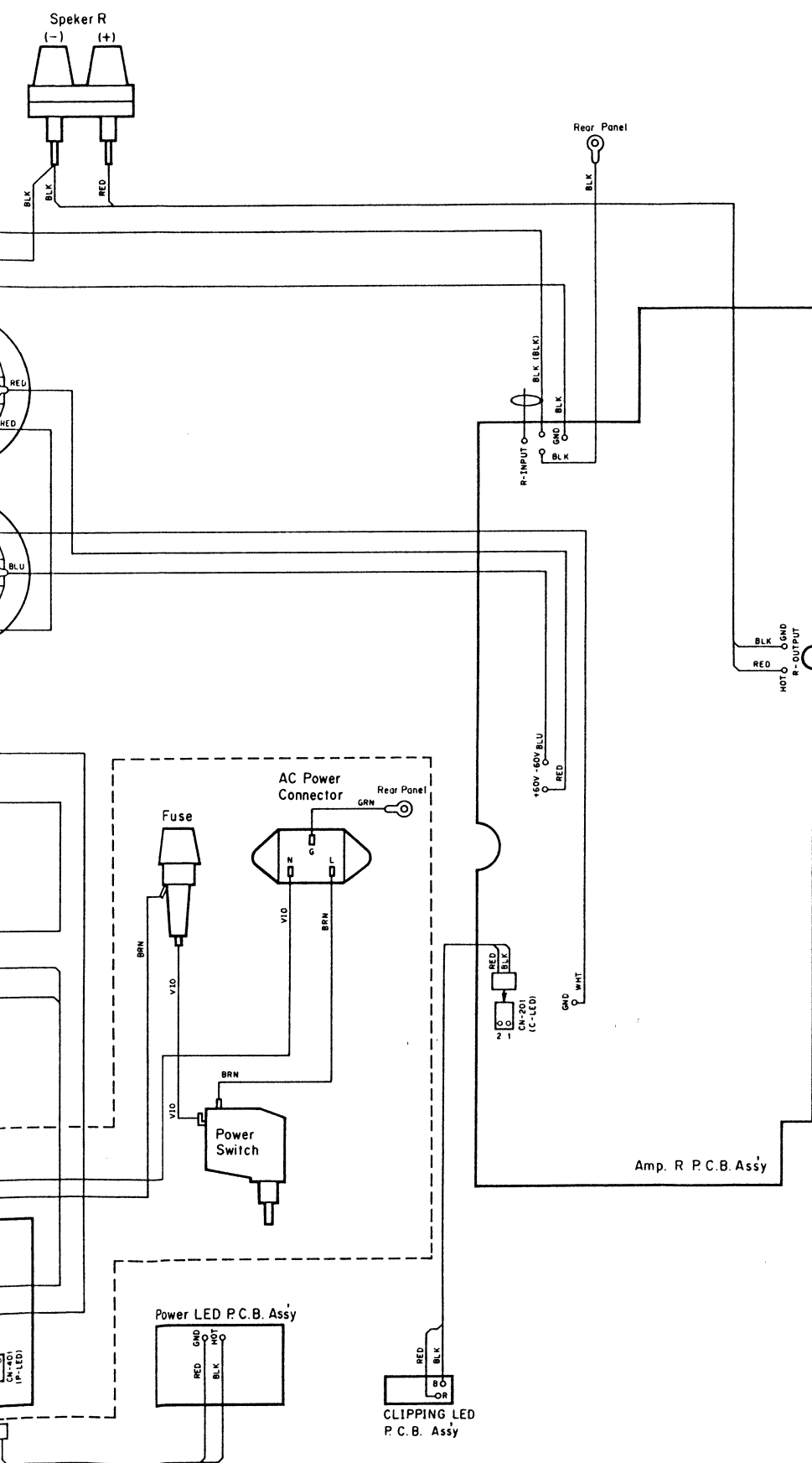
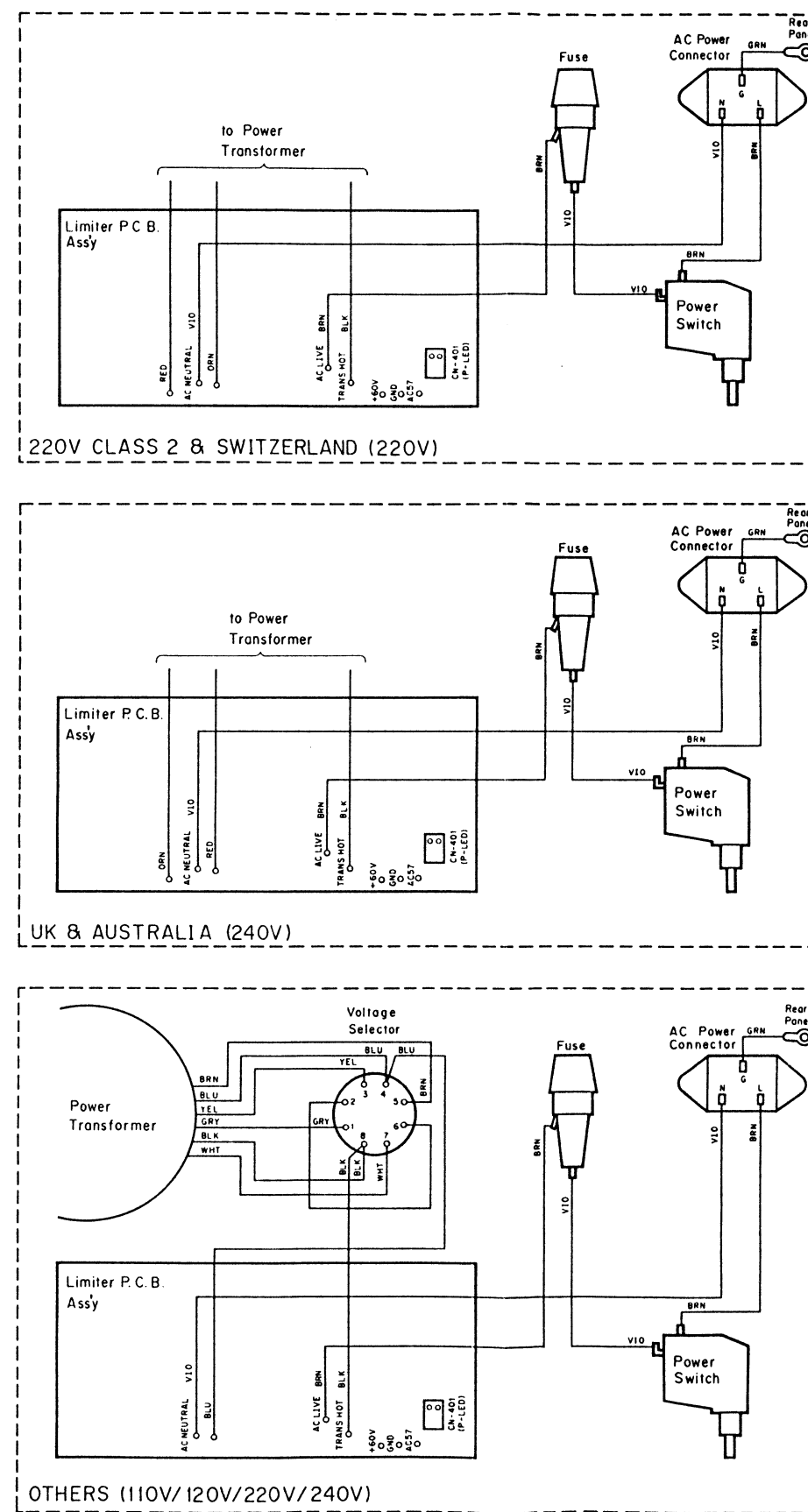


Fig. 7



8. BLOCK DIAGRAM

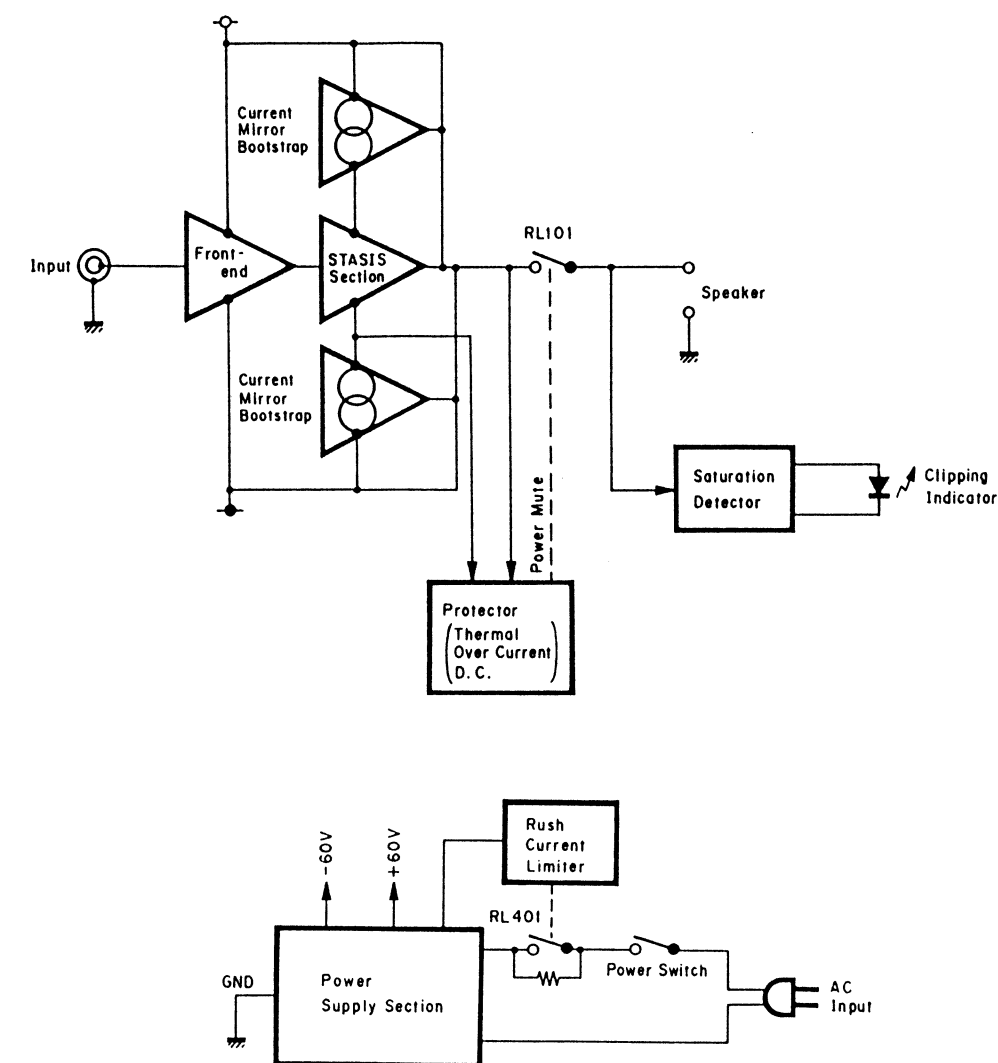


Fig. 8

- Notes: 1 Table of wire colors
- | | |
|--------------|--------------|
| BRN — Brown | BLU — Blue |
| RED — Red | VIO — Violet |
| ORN — Orange | GRY — Gray |
| YEL — Yellow | WHT — White |
| GRN — Green | BLK — Black |
2. Component side view of the P.C.B. is illustrated unless otherwise specified.
3. Wire tube color is shown in ().

9. SPECIFICATIONS

Continuous Average Power 200 W x 2 (8 ohms, both channels driven, 20—20,000 Hz, 0.1% THD)
Output (NEW IHF)
Dynamic Power per Channel . . . 300 W (8 ohms)
Dynamic Head Room 1.7 dB (8 ohms)
(New IHF)
Power Bandwidth (Half 5 Hz — 50 kHz
Rated Power, 0.1% THD)
Damping Factor (NEW IHF) . . . Greater than 60/60/60
20 Hz/1 kHz/20 kHz
Input Sensitivity/Impedance . . . 2.0 V/75 k ohms (rated power)
(New IHF) 140 mV (1 W output)
Frequency Response 20—20,000 Hz +0, —0.5 dB
(1 W, NEW IHF) 7—150,000 Hz +0, —3 dB
Signal to Noise Ratio Better than 120 dB
(Input Shorted, Rated Power,
IHF-A-WTD)
Residual Noise Level Less than 25 μ V
(IHF-A-WTD)
Total Harmonic Distortion . . . Less than 0.1%
(Rated Power, 20—20,000 Hz)
Intermodulation Distortion . . . Less than 0.1%
(Rated Power, 60 Hz: 7 kHz,
4:1)
Stereo Separation 110/100/80 dB
(Input Shorted)
100 Hz/1 kHz/10 kHz
Output Complement 16 transistors per channel
Output Current Capability 14 A continuous, 50 A peak (per channel)
Power Supply 700 W toroidal transformer,
132,000 μ F total filter capacitance
Power Source 120,220, 240, 110-120/220-240 V AC; 50/60 Hz
(According to country of sale)
Power Consumption 700 W max.
Dimensions 435 (W) x 200 (H) x 421 (D) mm
17-1/8 (W) x 7-7/8 (H) x 16-9/16 (D) inches
Approximate Weight 27 kg; 59 lbs., 8 oz.

- Specifications and design are subject to change for further improvement without notice.
- STASIS manufactured under license from Threshold Corporation.
- STASIS is a trademark of Threshold Corporation.