



Service Manual

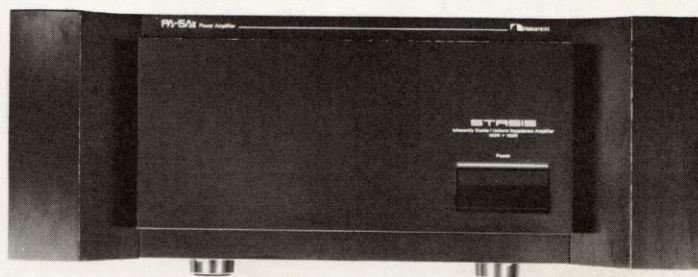
Nakamichi

PA-5_{II}

PA-5A_{II}

PA-5E_{II}

Power Amplifier



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1. GENERAL

1.1. CAUTIONS/WARNINGS

(1) Product Safety Notice

Parts marked with the symbol  in the schematic diagram 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.

(2) Leakage Current Check/Resistance Check

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.

1.2. Voltage Selector

Voltage selector is installed on the rear panel for Other version of the PA-5II.

This voltage selector can select 110 V, 120 V, 220 V or 240 V at customer's disposal.

1.3. Package Ass'y and Accessory Ass'y

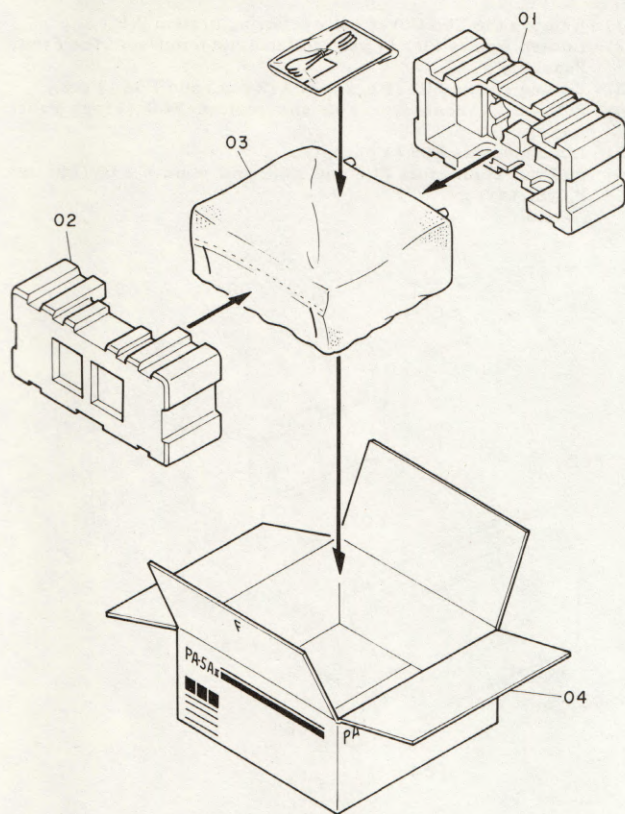


Fig. 1

Schematic Ref. No.	Part No.	Description	Q'ty
	—	Package Ass'y	
01	0F04184A	Packing R	1
02	0F04183A	Packing F	1
03	0F03879B	Poly-Bag for Set	1
04	0F04182A	Carton Box (PA-5II)	1
	0F04180A	Carton Box (PA-5AII)	1
	0F04181A	Carton Box (PA-5EII)	1
—	0F04202A	Handle Spacer	2
—	0M03457A	Voltage Label 240V (PA-5II (Australia) & PA-5EII (UK))	2
	—	Accessory Ass'y	
	0B90229A	Power Cord Set BS (PA-5II (Saudi Arabia))	1
	0B90222A	Power Cord U.S.A. (PA-5AII (U.S.A.))	1
	0F03887A	Power Cord Band (PA-5II (Saudi Arabia))	1
	0M03844B	Power Cord Label (PA-5EII (UK))	1
	0B90168A	Fuse T4A (PA-5II (Australia & Saudi Arabia) & PA-5EII)	1
	0B90180A	Fuse T8A (PA-5II (Saudi Arabia))	2
	0B90163A	Fuse 5A (PA-5II (Other))	1
	0B90165A	Fuse 8A (PA-5II (Other) & PA-5AII)	1
	0M05248A	Fuse Sheet 8A (PA-5II (Other & Saudi Arabia))	1
	0M05249A	Fuse Sheet 5A (PA-5II (Other))	1
	0M05250A	Fuse Sheet T4A (PA-5II (Saudi Arabia))	1
	0D03092B	Poly-Bag for Accessory	1
	0D04212A	Poly-Bag for Fuse	1
	0D04449A	Important Notice	1
	0D04876B	Owner's Manual (English/German/French)	1
	0D04766B	General Catalog (PA-5AII)	1
	0D04797C	Warranty Card (PA-5AII)	1
	0D04877A	Tape Catalog (PA-5AII)	1
	0D04889A	Spacer Supplement	1
	0D04893A	Speaker Supplement (PA-5EII)	1
	0D04880A	Safety Supplement (PA-5AII (U.S.A.))	1

2. REMOVAL PROCEDURES

2.1. Top Cover Ass'y

Refer to Fig. 2.1.

- (1) Loosen F01 (Bolt M4x8 Hex. Socket Head, 7 pcs.) with a hex. wrench and remove F02 (Top Cover Ass'y).

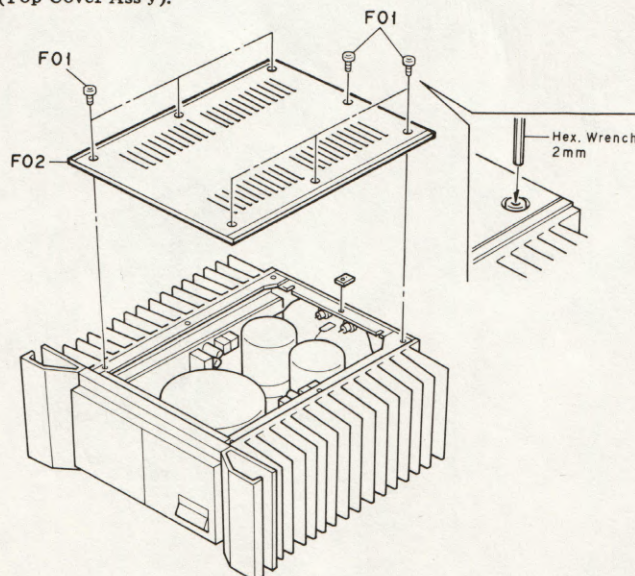


Fig. 2.1

2.2. Heat Sink L (R) Ass'y and Amp. L (R) P.C.B. Ass'y.
Refer to Figs. 2.2.1 and 2.2.2.

- (1) Remove the Top Cover Ass'y referring to item 2.1.
- (2) Pull out connectors F01 and F02.
- (3) Loosen screws F03 (5 pcs.) and F04, and remove F05 (Heat Sink R Ass'y).
- (4) Pull out connectors F06 and F07.
- (5) Loosen screws F08 (5 pcs.) and F09, and remove F10 (Heat Sink L Ass'y).
- (6) Place F05 (Heat Sink R Ass'y) as shown in Fig. 2.2.2.
- (7) Loosen Screws F11 (12 pcs.) and F12 (5 pcs.), and remove F13 (Amp. R P.C.B. Ass'y).
- (8) Separate F10 (Heat Sink L Ass'y) and remove the Amp. L P.C.B. Ass'y by applying the same removal procedures as for Amp. R P.C.B. Ass'y.

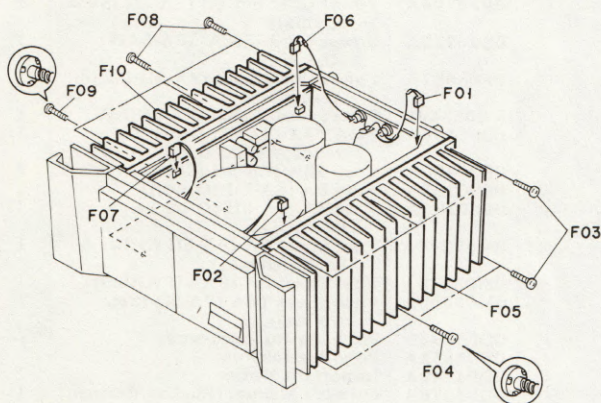


Fig. 2.2.1

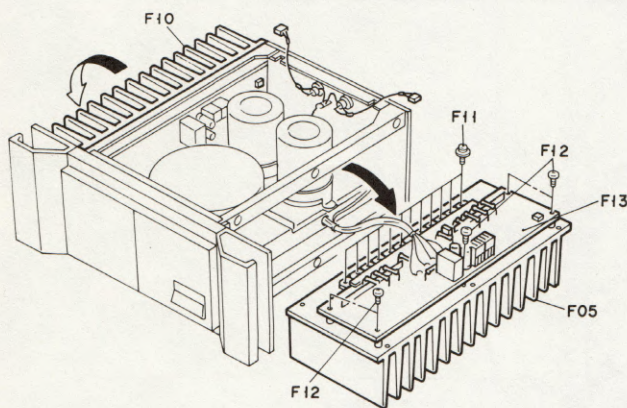


Fig. 2.2.2

2.3. Front Panel Ass'y and Limiter P.C.B. Ass'y
Refer to Fig. 2.3.

- (1) Remove the Top Cover Ass'y referring to item 2.1.
- (2) Loosen screws F01 (4 pcs.) to facilitate removal of the Front Panel Ass'y.
- (3) Loosen screws F02 (2 pcs.), F03 (2 pcs.) and F04 (3 pcs.).
- (4) Pull out a connector F05 and remove F06 (Front Panel Ass'y).
- (5) Loosen screws F07 (4 pcs.).
- (6) Pull out connectors F08 and F09, and remove F10 (Limiter P.C.B. Ass'y).

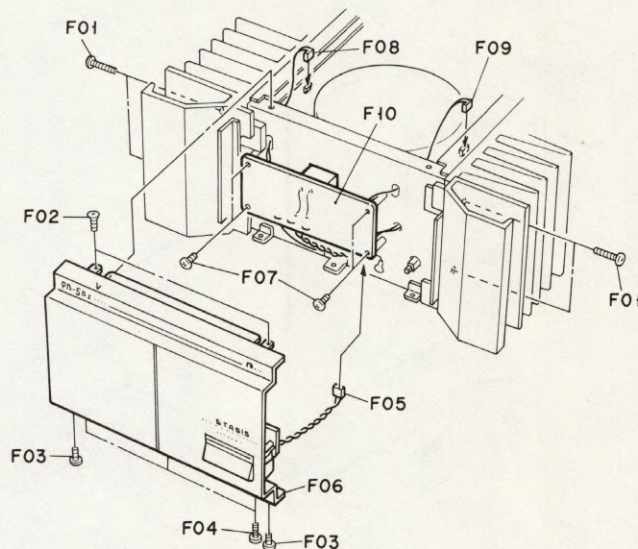


Fig. 2.3

2.4. Bottom Cover Ass'y and Power Supply P.C.B. Ass'y
Refer to Fig. 2.4.

- (1) Loosen F01 (14 pcs.) and F02 (3 pcs.), and remove F03 (Bottom Cover Ass'y).
- (2) Unsolder leads of capacitors F04 (4 pcs. in total).
- (3) Lift F05 (Power Supply P.C.B. Ass'y).

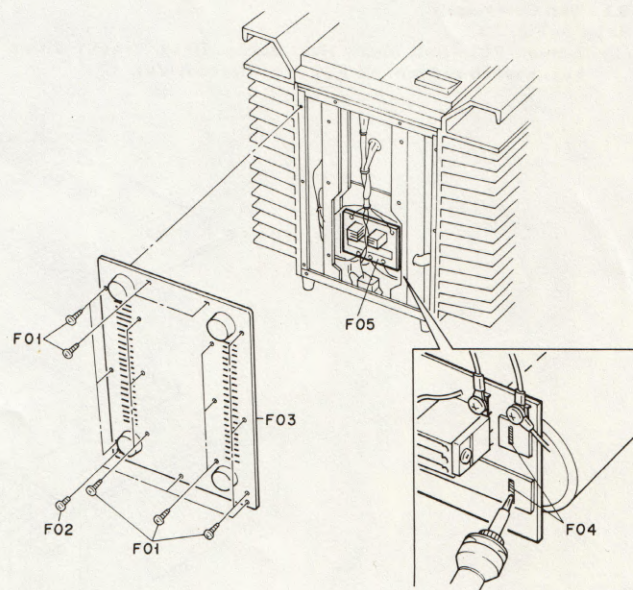


Fig. 2.4

3. PARTS LOCATION FOR ELECTRICAL ADJUSTMENT

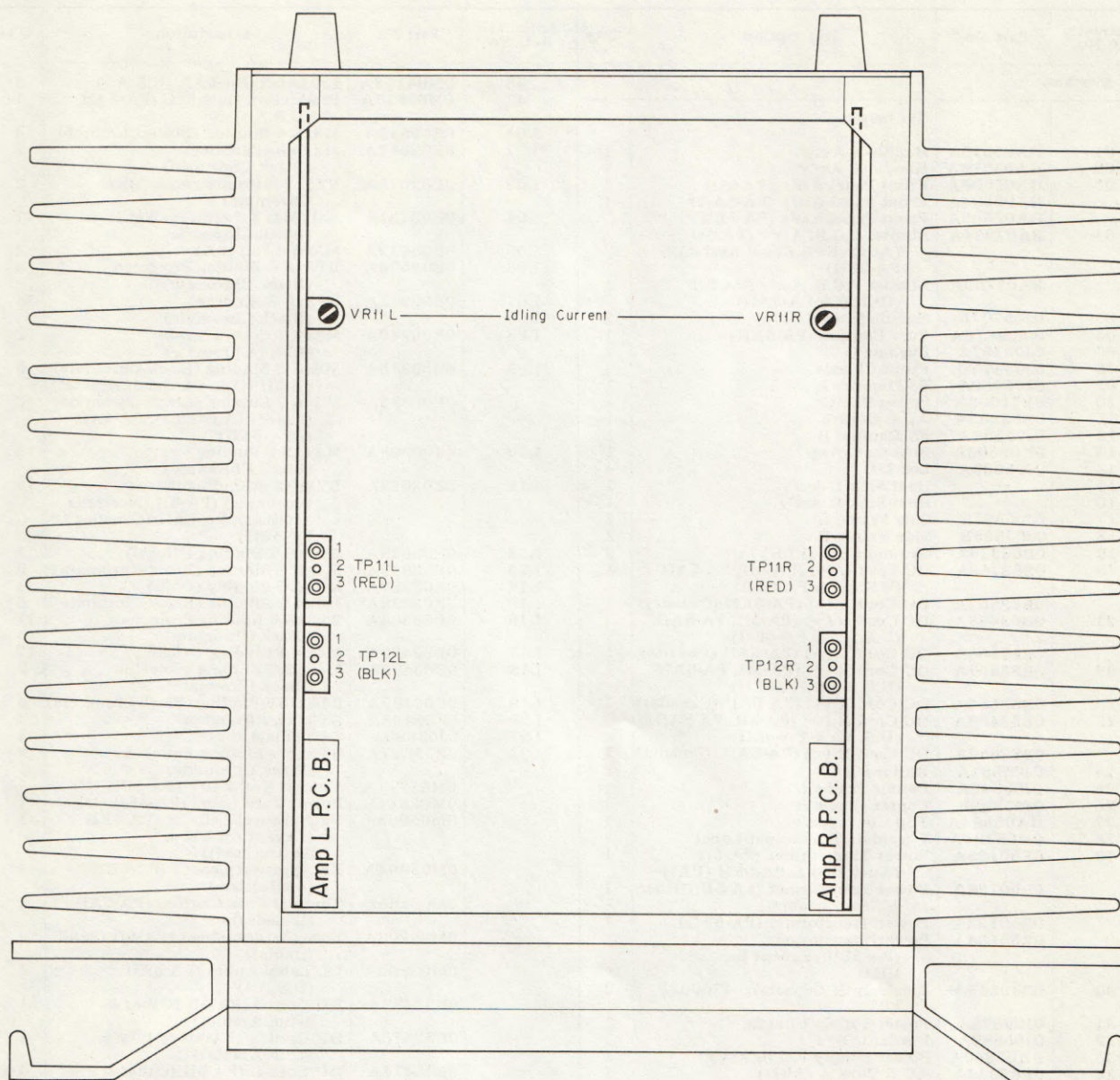


Fig. 3

4. ELECTRICAL ADJUSTMENTS

4.1. 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 power is turned ON.

4.2. Idling Current Adjustment

- (1) Connect a DC voltmeter between pins 1 and 3 of TP11L (TP11R) on the Amp. L (R) P.C.B. Ass'y.
- (2) Adjust VR11L (VR11R) to obtain 40 mV on the DC voltmeter (idling current: 40 mA).

4.3. DC Offset Check

- (1) Connect a DC voltmeter between pins 1 and 3 of TP12L (TP12R) on the Amp. L (R) P.C.B. Ass'y.
- (2) Check whether the DC voltmeter reads 0 ± 50 mV.
- (3) Remove the shorting pins from the Input Jacks.

5. MECHANISM ASS'Y AND PARTS LIST

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
5.1. Synthesis				46	OM04113A	LA Label (PA-5AII (U.S.A.))	1
		Synthesis		47	OM03917A	Production Date Seal (PA-5AII (U.S.A.))	1
01	HA05515A	Handle L Ass'y	1	L01	OE00818A	M3x8 @ Binding (Black Chromate)	4
02	HA05516A	Handle R Ass'y	1	L02	OE03072A	M2.6x6 @ Binding (Black Chromate)	2
03	HA05506A	Front Panel Ass'y (PA-5II)	1	L03	OE03073A	BT3x6 @ Countersunk (Black Chromate)	2
	HA05504A	Front Panel Ass'y (PA-5AII)	1				
	HA05505A	Front Panel Ass'y (PA-5EII)	1	L04	OE03431A	Bolt M4x8 @ Hex. Socket Head (Black Chromate)	7
04	BA07264A	Limiter P.C.B. Ass'y (PA-5II (Australia & Saudi Arabia) & PA-5EII)	1	L05	OE00612A	M3x6 @ Pan (2A)	2
				L06	OE03506A	BT3x6 @ Binding Projected (Black Chromate)	4
	BA07263A	Limiter P.C.B. Ass'y (PA-5II (Other) & PA-5AII)	1	L07	OE00921A	BT3x8 @ Binding (Black Chromate)	35
05	OJ05707B	Handle Spacer	2	L08	OE00940A	M3x6 @ Countersunk (Black Chromate)	2
06	OM04676A	Fuse Caution (PA-5AII)	1	L09	OE00985A	M3x6 @ Binding (Black Chromate) (PA-5II (Other & Saudi Arabia))	5
07	OJ05757A	Bushing C	1		OE00985A	M3x6 @ Binding (Black Chromate) (PA-5II (Australia), PA-5AII & PA-5EII)	3
08	OJ05675D	Front Chassis	1	L10	OE00988A	M4x12 @ Binding (Black Chromate)	14
09	OJ05462A	BS Damper A	1	L11	OE03012A	BT3x12 @ Binding (Black Chromate) (PA-5II (Australia & Other), PA-5AII (Canada) & PA-5EII)	2
10	OB71003A	Power Switch	1	L12	OE03028A	BT3x8 @ Binding (Nickel)	1
11	OB83343A	AC L Cord B	1	L13	OE03058A	M4x8 @ Binding (Black Chromate)	8
12	OJ05354A	BS Damper B	1	L14	OE03287A	M4x6 @ Binding (Gold)	1
13	OH05306B	Bottom Cover	1	L15	OE03296A	M4x4 @ Binding (Black Chromate)	6
14	OJ05009A	Leg T-D	4	L16	OE03366A	BT3x8 @ Binding Projected (Black Chromate)	11
15	—	Heat Sink L Ass'y	1	L17	OE03492A	M4x4 @ Binding (Nickel)	17
16	—	Heat Sink R Ass'y	1	L18	OE03493A	M4x12 @ Binding Projected (Black Chromate)	2
17	OJ05587B	Side Frame L	2	L19	OE03497A	BT3x16 @ Binding (Black Chromate)	4
18	OJ05588B	Side Frame R	2	L20	OE03498A	BT3x12 @ Tapping	4
19	OB83339A	Ground Cord (BLK)	2	L21	OJ05690A	Earth Plate	1
20	OB83466A	DC Cord L (+) (PA-5II, PA-5AII (U.S.A.) & PA-5EII)	1	L22	OE03507A	BT3x8 @ Binding Projected (Black Chromate)	2
	OB83553A	DC Cord L (+) (PA-5AII (Canada))	1		OM03797A	Voltage Seal 240V (PA-5EII (UK))	1
21	OB83468A	DC Cord L (-) (PA-5II, PA-5AII (U.S.A.) & PA-5EII)	1		OM03844B	Power Cord Label (PA-5EII (UK))	1
					OM05063A	EP Approval Label H (PA-5EII (Except for UK & Switzerland))	1
	OB83555A	DC Cord L (-) (PA-5AII (Canada))	1				
22	OB83467A	DC Cord R (+) (PA-5II, PA-5AII (U.S.A.) & PA-5EII)	1		OM05064A	EP Approval Label I (PA-5EII (Switzerland))	1
					OM05185B	Thermal Fuse Caution (PA-5AII (Canada))	1
	OB83554A	DC Cord R (+) (PA-5AII (Canada))	1		OM05206A	Fuse Caution Sheet (PA-5II (Saudi Arabia))	1
23	OB83469A	DC Cord R (-) (PA-5II, PA-5AII (U.S.A.) & PA-5EII)	1		OM03905A	UL Label Audio (PA-5AII (U.S.A.))	1
					OB83472A	DU Cord J (PA-5II (Other & Saudi Arabia))	1
	OB83556A	DC Cord R (-) (PA-5AII (Canada))	1		OB83473A	DU Cord N (PA-5II (Other & Saudi Arabia))	1
24	OJ05651A	Bushing B	2		OB83474A	DU Cord L (PA-5II (Other & Saudi Arabia))	1
25	OJ05592A	Center Frame L	1		OB80099A	Isolation Tube	6
26	OJ05593B	Center Frame R	1				
27	HA05564A	Top Cover Ass'y	1				
28	OM05194A	Toroidal Transformer Label	1				
29	OB50135A	Power Transformer (PA-5II (Australia) & PA-5EII (UK))	1				
	OB50136A	Power Transformer (PA-5II (Other & Saudi Arabia))	1				
	OB50133A	Power Transformer (PA-5AII)	1				
	OB50134A	Power Transformer (PA-5EII (Except for UK))	1				
30	OB40515A	Electrolytic Capacitor 47000µF 80V	2				
31	OJ05676A	Power Supply Chassis	1				
32	OJ05699A	Insulator B	1				
33	BA07340A	Power Supply P.C.B. Ass'y	1				
34	OB83342A	AC L Cord A (BRN)	1				
35	OB83345A	AC N Cord	1				
36	OB83344A	AC L Cord C	1				
37	HA05513A	Rear Panel Ass'y (PA-5II (Australia))	1				
	HA05512A	Rear Panel Ass'y (PA-5II (Other))	1				
	HA05514A	Rear Panel Ass'y (PA-5II (Saudi Arabia))	1				
	HA05510A	Rear Panel Ass'y (PA-5AII (U.S.A.))	1				
	HA05222A	Rear Panel Ass'y (PA-5AII (Canada))	1				
	HA05521A	Rear Panel Ass'y (PA-5EII (UK))	1				
	HA05523A	Rear Panel Ass'y (PA-5EII (Switzerland))	1				
	HA05511A	Rear Panel Ass'y (PA-5EII (Except for UK & Switzerland))	1				
38	OB70049A	Voltage Selector Switch (PA-5II (Other & Saudi Arabia))	1				
39	OJ05694A	Insulator A (PA-5EII)	1				
40	OB81937A	Terminal (PA-5II (Australia & Other), PA-5AII (Canada) & PA-5EII)	1				
41	OB08515A	Insu-Lock	9				
	OB80221A	Insu-Lock	7				
42	OM04377B	Caution Label (PA-5AII)	2				
43	OM05209A	Fuse Caution Sheet (PA-5II (Other))	1				
44	OM04430A	Pass Label	1				
45	OM05205A	Serial No. Seal	1				
				5.2. Handle L Ass'y (A01)			
				A01	HA05515A	Handle L Ass'y	1
				01	OH05391A	Side Plate	1
				02	OH05416B	Handle L	1
				L01	OE00818A	M3x8 @ Binding (Black Chromate)	2
				5.3. Handle R Ass'y (A02)			
				A02	HA05516A	Handle R Ass'y	1
				01	OH05391A	Side Plate	1
				02	OH05390B	Handle R	1
				L01	OE00818A	M3x8 @ Binding (Black Chromate)	2

5.1. Synthesis

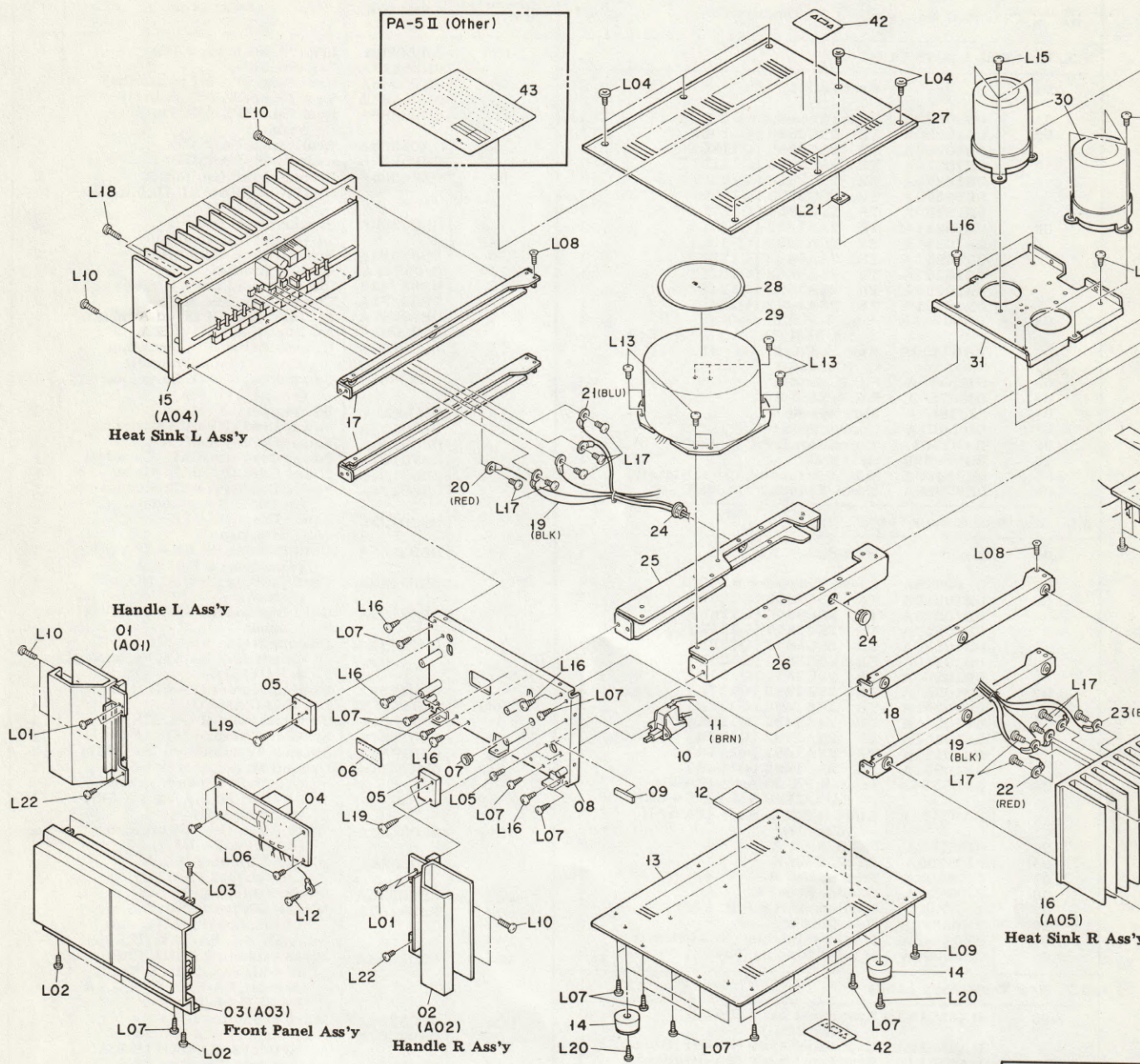
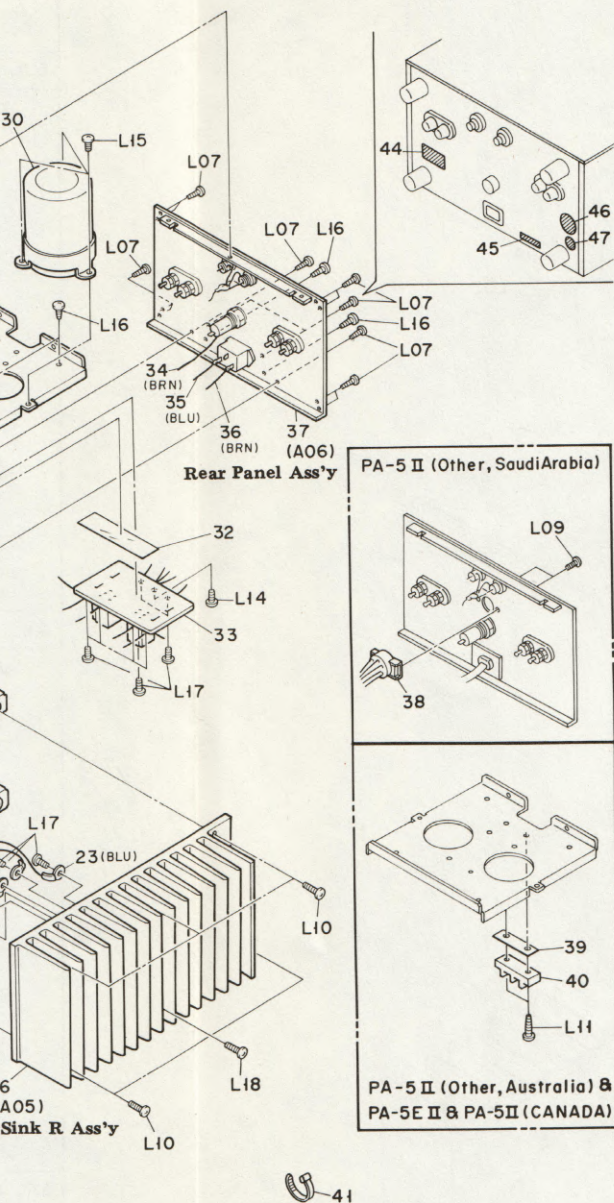


Fig. 5.1

Schematic Ref. No.	P
5.4. Front Panel	
A03	HA
	HA
	HA
01	HA
02	OJO
03	OHC
	OHC
	OHC
04	OJO
05	OHC
06	OJO
07	OJO
08	OHC
09	OJO
10	OJO
11	BAC
12	OJO
L01	OEO



5.2. Handle L Ass'y (A01)

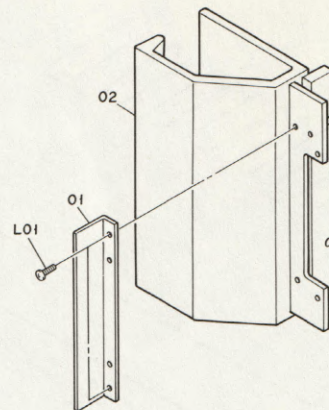


Fig. 5.2

5.3. Handle R Ass'y (A02)

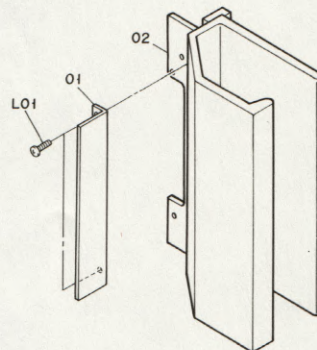


Fig. 5.3

5.4. Front Panel Ass'y (A03)

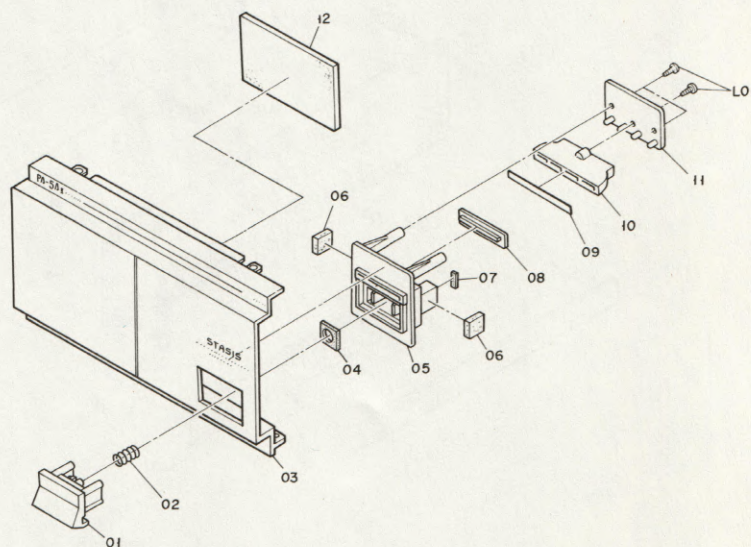


Fig. 5.4

Diagramatic Ref. No.	Part No.	Description	Q'ty
Front Panel Ass'y (A03)			
03	HA05506A	Front Panel Ass'y (PA-5II)	1
	HA05504A	Front Panel Ass'y (PA-5AII)	1
	HA05505A	Front Panel Ass'y (PA-5EII)	1
01	HA04849A	Power Switch Knob Ass'y	1
02	OJ05646B	Spring	1
03	OH05384C	Front Panel (PA-5II)	1
	OH05382C	Front Panel (PA-5AII)	1
	OH05383C	Front Panel (PA-5EII)	1
04	OJ05693A	Base Cushion	1
05	OH04652B	Power Switch Guide	1
06	OJ05307A	BS Damper	2
07	OJ05691A	Base Cushion	1
08	OH04653B	Lens	1
09	OJ05010C	Sheet	1
10	OJ04998B	Power Switch Refractor	1
11	BA07265A	Power LED P.C.B. Ass'y	1
12	OJ05354A	BS Damper TPJ B107	1
01	OE00868A	BT3x8 Binding	3

Schematic Ref. No.	Part No.	Description	Q'ty	Schematic Ref. No.	Part No.	Description	Q'ty
5.5. Heat Sink L Ass'y (A04)				07	0J05029A	Leg (PA-5II & PA-5AII)	4
A04	—	Heat Sink L Ass'y	1	08	0H05447A	Leg (PA-5EII)	4
	01	0B60572A	Power Transistor L P.C.B.		0H05388A	Rear Panel (PA-5II (Australia))	1
02	0B10250A	TR 2SC3856 [Q116L]	1		0H05387A	Rear Panel (PA-5II (Other))	1
	0B10250A	TR 2SC3856 [Q118L]	1		0H05389A	Rear Panel (PA-5II (Saudi Arabia))	1
	0B10250A	TR 2SC3856 [Q121L]	1		0H05385A	Rear Panel (PA-5AII)	1
	0B10250A	TR 2SC3856 [Q123L]	1		0H05386B	Rear Panel (PA-5EII)	1
	0B10250A	TR 2SC3856 [Q125L]	1	09	0B83335A	Speaker Cord Hot (YEL)	2
	0B10250A	TR 2SC3856 [Q127L]	1			(PA-5II, PA-5AII (U.S.A.) & PA-5EII)	
03	0B10251A	TR 2SA1492 [Q117L]	1		0B83550A	Speaker Cord Hot	2
	0B10251A	TR 2SA1492 [Q119L]	1			(PA-5AII (Canada))	
	0B10251A	TR 2SA1492 [Q120L]	1	10	0B83336A	Speaker Cord GND (BLK)	2
	0B10251A	TR 2SA1492 [Q122L]	1	11	0J05246A	Ground Bracket	1
	0B10251A	TR 2SA1492 [Q124L]	1	12	0B83334A	Input Ground Cord	1
	0B10251A	TR 2SA1492 [Q126L]	1	13	0B83471A	Chassis Ground Cord	1
04	BA07333A	Amp. L P.C.B. Ass'y (PA-5II, PA-5AII (U.S.A.) & PA-5EII)	1	14	0B90087A	AC Inlet (PA-5II (Saudi Arabia))	1
	BA07450A	Amp. L P.C.B. Ass'y (PA-5AII (Canada))	1	15	0B90092A	AC Inlet (PA-5AII (U.S.A.))	1
05	0J05595A	P.C.B. Stud A	4		0B83609A	Ground Cable with Earth Lug	1
06	0J05755A	P.C.B. Stud B	1			(PA-5II (Saudi Arabia))	
07	0J05805A	Stud Spacer B	1		0B83608A	Ground Cable with Earth Lug	1
08	0J05601A	Cooling Sheet A	1			(PA-5AII (U.S.A.))	
09	BA07261A	Thermistor L P.C.B. Ass'y	1	16	0J05821A	BS Damper	1
10	0H05392B	Heat Sink L	1	17	0B80133B	Power Cord (PA-5II (Australia))	1
L01	0E03490A	M3x10 @ Binding (3A) (Nickel)	12		0B80085A	Power Cord (PA-5II (Other))	1
L02	0E00966A	M3x5 @ Binding (Nickel)	7		0B80131A	Power Cord (PA-5AII (Canada))	1
					0B80134B	Power Cord (PA-5EII (UK))	1
					0B80124A	Power Cord (PA-5EII (Except for UK & Switzerland))	1
5.6. Heat Sink R Ass'y (A05)					0B80132B	Power Cord (PA-5EII (Switzerland))	1
A05	—	Heat Sink R Ass'y	1	18	0B90157A	Cord Bushing SR-6N-4 (PA-5II (Australia) & PA-5EII)	1
	01	0B60573A	Power Transistor R P.C.B.		0B90186A	Cord Bushing SR-33-1 (PA-5II (Other))	1
02	0B10250A	TR 2SC3856 [Q116R]	1		0B02232A	Cord Bushing SR-6N3-4 (PA-5AII (Canada))	1
	0B10250A	TR 2SC3856 [Q118R]	1				
	0B10250A	TR 2SC3856 [Q121R]	1	19	0H04772A	Bushing Holder (PA-5II (Australia), PA-5AII (Canada) & PA-5EII)	1
	0B10250A	TR 2SC3856 [Q123R]	1				
	0B10250A	TR 2SC3856 [Q125R]	1		0H04856A	Bushing Holder (PA-5II (Other))	1
	0B10250A	TR 2SC3856 [Q127R]	1		0J05745A	Leg Felt (PA-5EII)	4
03	0B10251A	TR 2SA1492 [Q117R]	1		0J05744A	Terminal Plate (PA-5EII)	4
	0B10251A	TR 2SA1492 [Q119R]	1	20	0B81982A	Speaker Terminal (+) (PA-5EII)	2
	0B10251A	TR 2SA1492 [Q120R]	1	21	0B81983A	Speaker Terminal (-) (PA-5EII)	2
	0B10251A	TR 2SA1492 [Q122R]	1	22			
	0B10251A	TR 2SA1492 [Q124R]	1	23	0M03700A	Ground Mark Label (PA-5II (Australia & Saudi Arabia), PA-5AII (U.S.A.) & PA-5EII (Switzerland))	1
	0B10251A	TR 2SA1492 [Q126R]	1	24			
04	BA07334A	Amp. R P.C.B. Ass'y (PA-5II, PA-5AII (U.S.A.) & PA-5EII)	1				
	BA07451A	Amp. R P.C.B. Ass'y (PA-5AII (Canada))	1	L01	0E03486A	M4x8 @ Pan (Black Chromate) (PA-5II & PA-5AII)	4
05	0J05595A	P.C.B. Stud A	4		0E00988A	M4x12 @ Binding (Black Chromate) (PA-5EII)	4
06	0J05755A	P.C.B. Stud B	1	L02	0E00594A	M3x8 @ Binding (Bronze)	1
07	0J05805A	Stud Spacer B	1	L03	0E03137A	M3x10 @ Binding (Black Chromate) (PA-5II (Saudi Arabia) & PA-5AII (U.S.A.))	2
08	0J05601A	Cooling Sheet A	1				
09	BA07262A	Thermistor R P.C.B. Ass'y	1	L04	0E03058A	M4x8 @ Binding (Black Chromate) (PA-5II (Australia & Saudi Arabia), PA-5AII (U.S.A.) & PA-5EII (Switzerland))	1
10	0H05393B	Heat Sink R	1				
L01	0E03490A	M3x10 @ Binding (3A) (Nickel)	12	L05	0E03395A	M3x8 @ Binding (CU)	1
L02	0E00966A	M3x5 @ Binding (Nickel)	7	L06	0E00507A	Nut Hex. M3 (PA-5II (Saudi Arabia) & PA-5AII (U.S.A.))	2
5.7. Rear Panel Ass'y (A06)				L07	0E00078A	Washer 4mm Toothed Lock (PA-5II (Australia & Saudi Arabia), PA-5AII (U.S.A.) & PA-5EII (Switzerland))	1
A06	HA05513A	Rear Panel Ass'y (PA-5II (Australia))	1	L08	0E00669A	Nut Hex. M4 (PA-5II (Australia & Saudi Arabia), PA-5AII (U.S.A.) & PA-5EII (Switzerland))	1
	HA05512A	Rear Panel Ass'y (PA-5II (Other))	1				
	HA05514A	Rear Panel Ass'y (PA-5II (Saudi Arabia))	1	L09	0E00921A	BT 3x8 @ Binding (Black Chromate) (PA-5II (Australia & Other), PA-5AII (Canada) & PA-5EII)	2
	HA05510A	Rear Panel Ass'y (PA-5AII (U.S.A.))	1				
	HA05522A	Rear Panel Ass'y (PA-5AII (Canada))	1	L10	0J05689A	Rivet (PA-5II (Other), PA-5AII (Canada) & PA-5EII (Except for Switzerland))	1
	HA05521A	Rear Panel Ass'y (PA-5EII (UK))	1				
	HA05511A	Rear Panel Ass'y (PA-5EII (Except for UK & Switzerland))	1	L11	0E03406A	Washer (Black)	2
	HA05523A	Rear Panel Ass'y (PA-5EII (Switzerland))	1	L12	0E03287A	M4x6 @ Binding (Gold) (PA-5EII)	4
01	0B83331A	Input Cord L Ass'y	1		0B80099A	Insulation Tube	8
02	0B83332A	Input Cord R Ass'y	1				
03	0B81364A	RCA Pin Jack	2				
04	0B81365A	Speaker Terminal	2				
05	0B90094B	Fuse Holder EP (PA-5II (Australia & Saudi Arabia) & PA-5EII)	1				
	0B90093B	Fuse Holder (PA-5II (Other) & PA-5AII)	1				
06	0B90168A	Fuse T4A (PA-5II (Australia & Saudi Arabia) & PA-5EII)	1				
	0B90163A	Fuse 5A (PA-5II (Other))	1				
	0B90165A	Fuse 8A (PA-5AII)	1				

5.5. Heat Sink L Ass'y (A04)

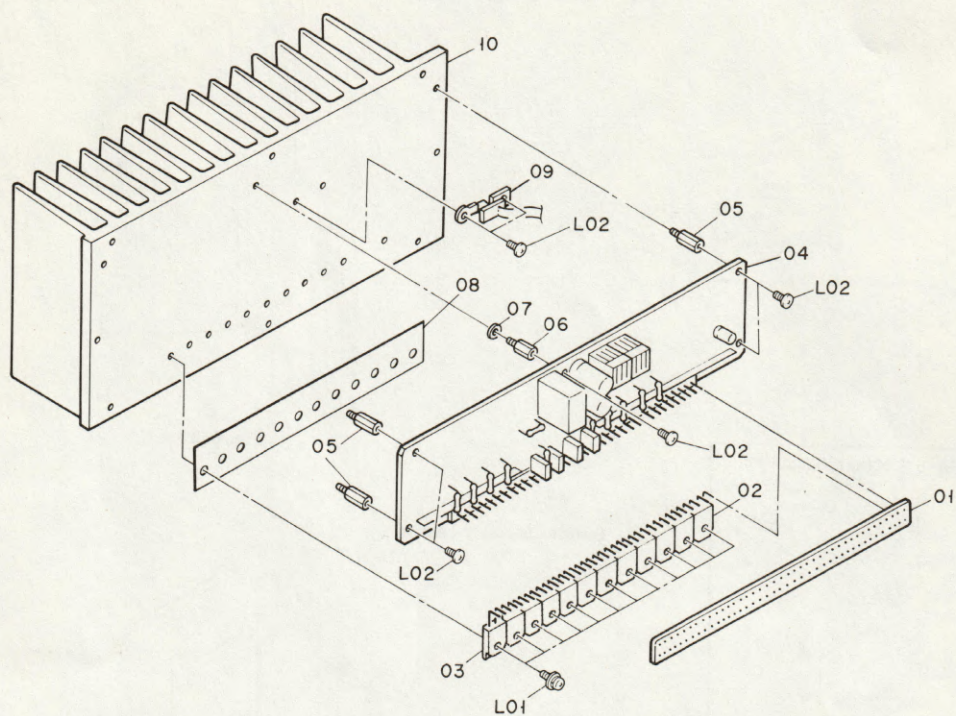


Fig. 5.5

5.6. Heat Sink R Ass'y (A05)

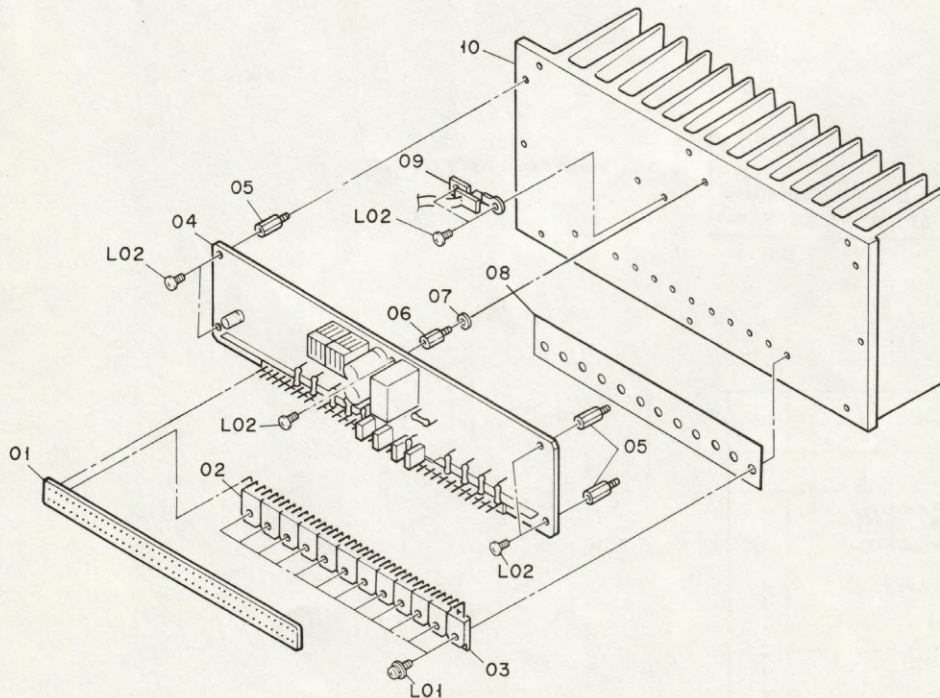


Fig. 5.6

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5.7. Rear Panel Ass'y (A06)

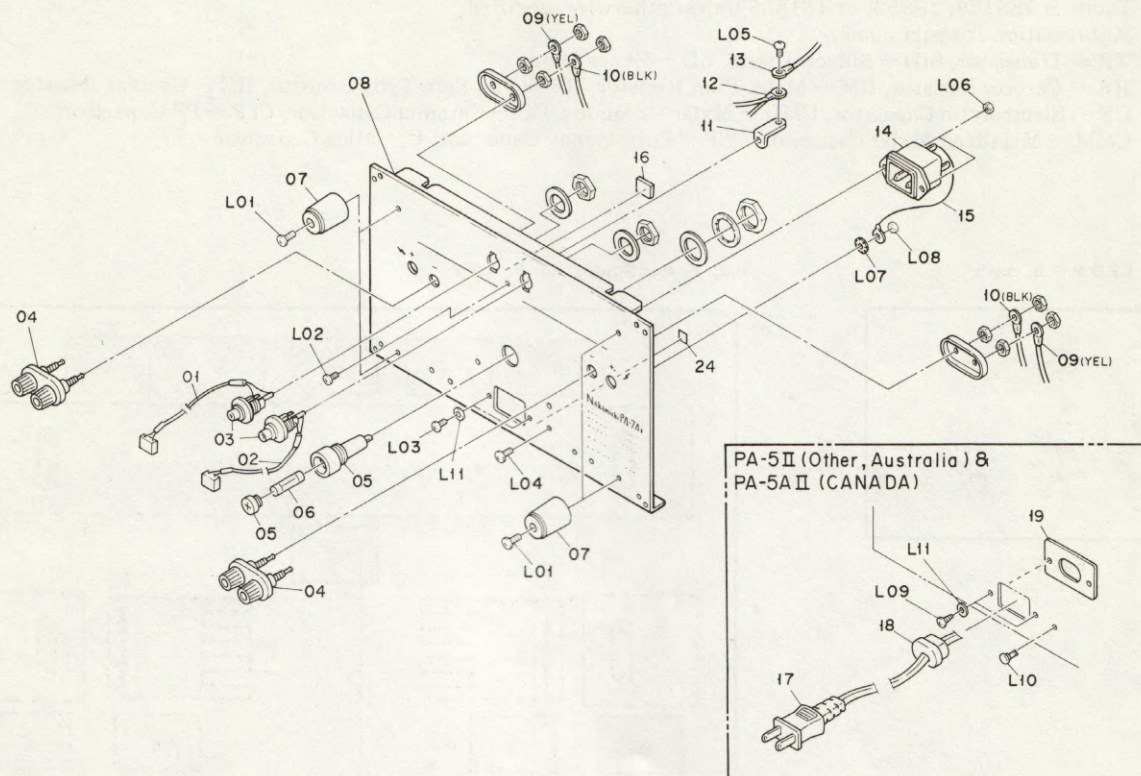


Fig. 5.7.1 PA-5II & PA-5AII

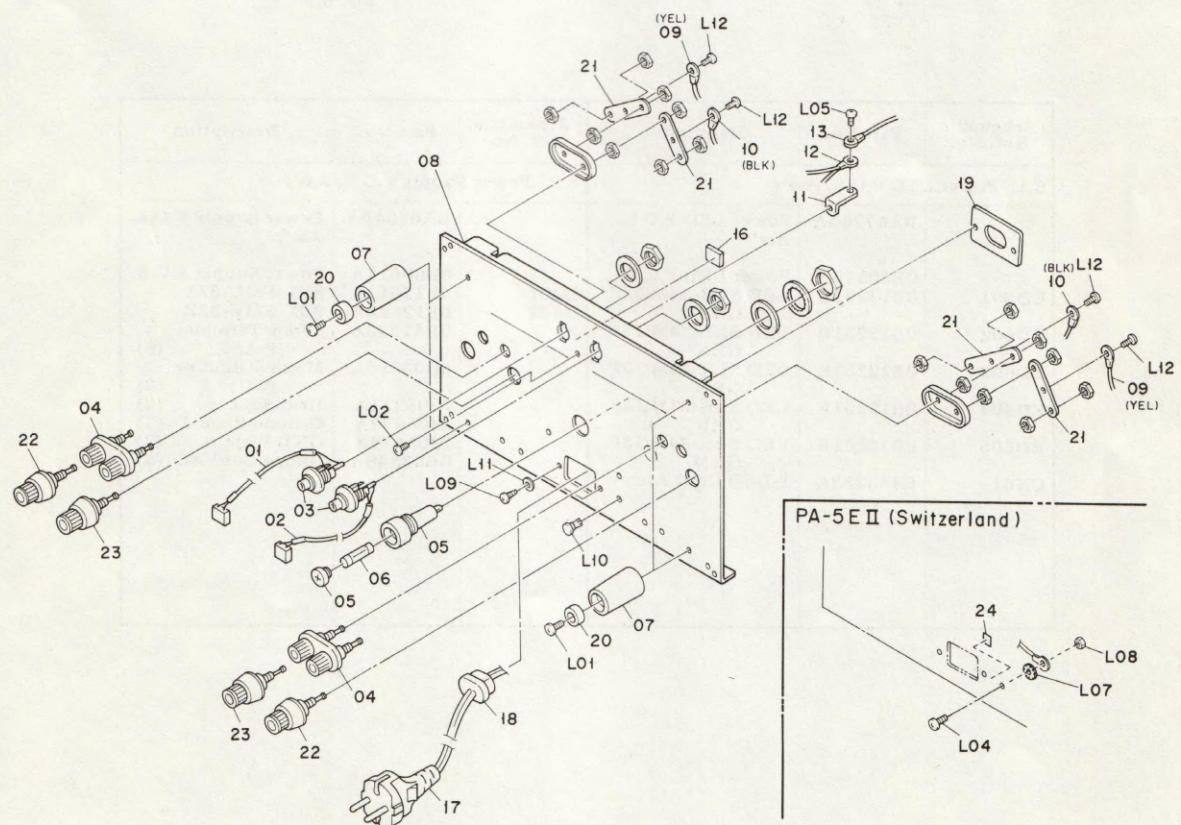


Fig. 5.7.2 PA-5EII

6. MOUNTING DIAGRAMS AND PARTS LIST

- Notes: 1. Mounting diagram shows a dip side view of the printed circuit board.
 2. Diode is 1SS176, 1SS53, or 1S1555 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, CML — Mylar Capacitor, CC — Ceramic Capacitor, CPP — PP Capacitor,
 CMM — Metalized Mylar Capacitor, CSP — Polystyrene Capacitor, C — Mica Capacitor

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

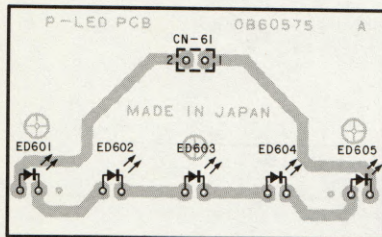


Fig. 6.1

6.2. Power Supply P.C.B. Ass'y

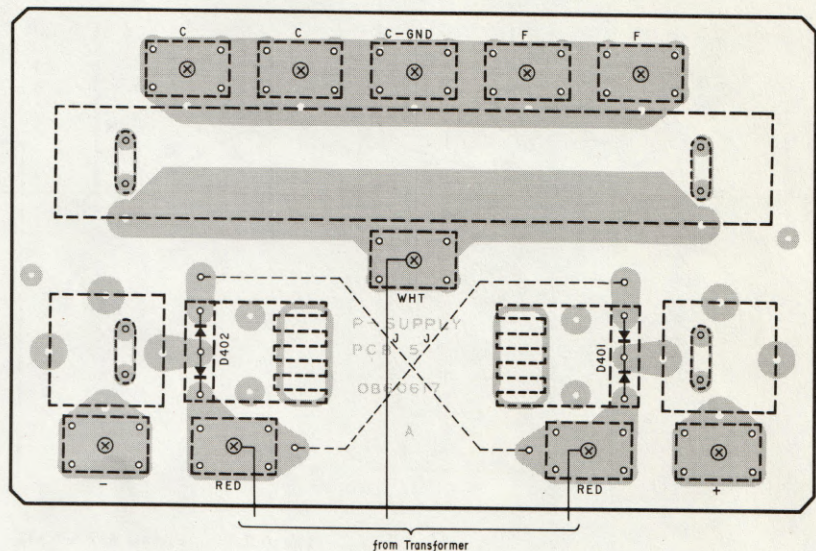


Fig. 6.2

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
6.1. Power LED P.C.B. Ass'y			6.2. Power Supply P.C.B. Ass'y		
	BA07265A	Power LED P.C.B. Ass'y		BA07340A	Power Supply P.C.B. Ass'y
ED601	0B60575A	Power LED P.C.B.	D401 D402	0B60617A	Power Supply P.C.B.
	0B12251B	LED SLR-34MG3F GRN		0B12611A	SiD FMU-32S
ED602	0B12251B	LED SLR-34MG3F GRN		0B12612A	SiD FMU-32R
ED603	0B12251B	LED SLR-34MG3F GRN		0B81933A	Screw Terminal P-436 (8)
ED604	0B12251B	LED SLR-34MG3F GRN		0E03395A	M3x8 @ Binding (CU) (2)
ED605	0B12251B	LED SLR-34MG3F GRN		0J05211A	Heat Sink (2)
	0B12251B	LED SLR-34MG3F GRN		0J05677A	Ground Plate A (1)
	0B12251B	LED SLR-34MG3F GRN		0J05678A	GND Plate B (2)
CN61	0B83333A	P-LED Cord Ass'y		0B83346A	Bridge Cord AC (2)

6.3. Limiter P.C.B. Ass'y

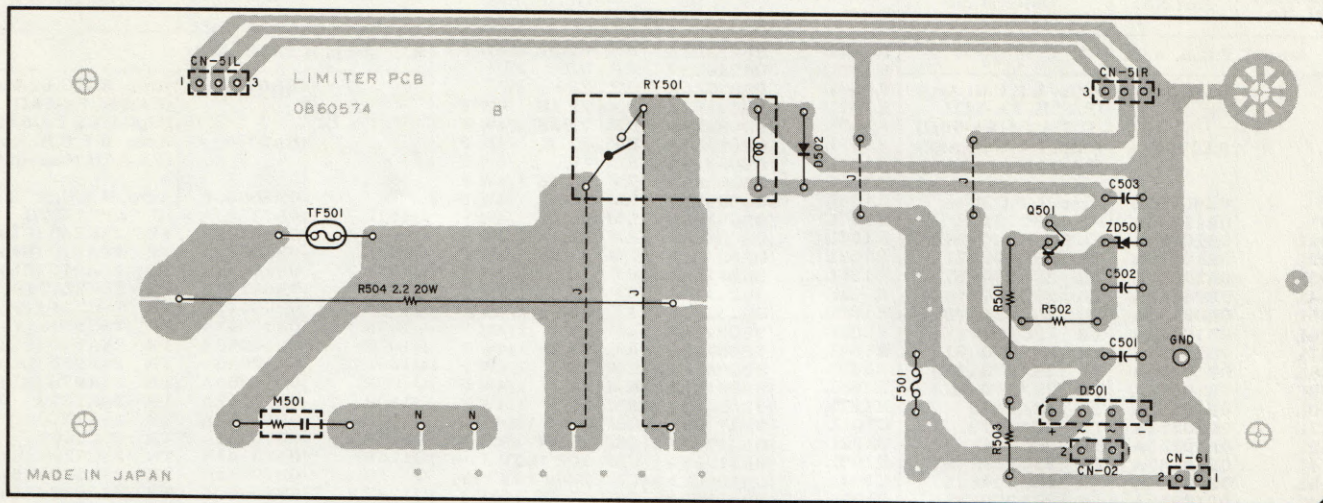


Fig. 6.3

6.4. Thermistor L P.C.B. Ass'y

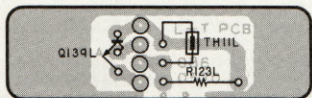


Fig. 6.4

6.5. Thermistor R P.C.B. Ass'y

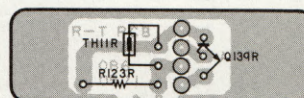


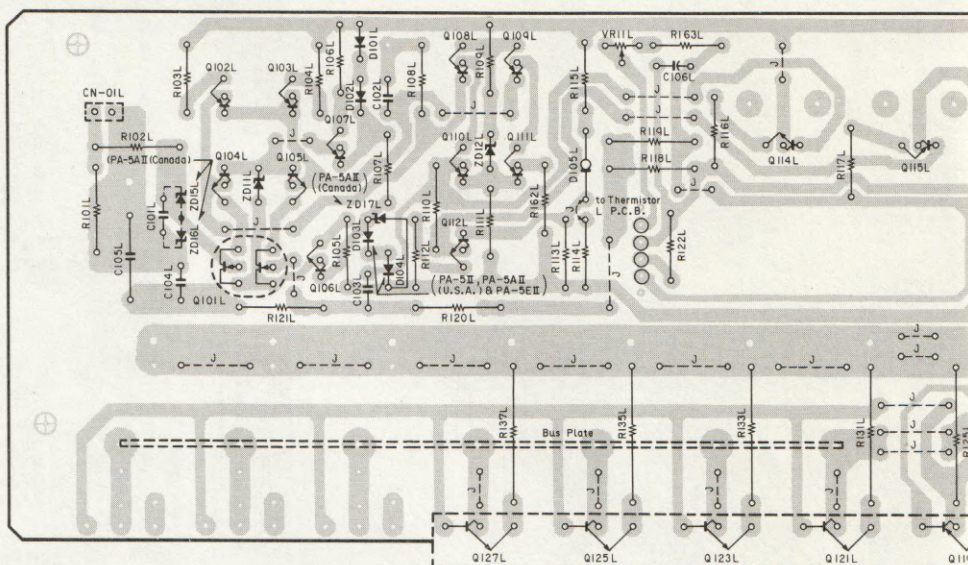
Fig. 6.5

Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
6.3. Limiter P.C.B. Ass'y			F501	OB08505A	Fuse 500mA (PA-5II (Australia & Saudi Arabia) & PA-5EII)	6.4. Thermistor L P.C.B. Ass'y		
	BA07264A	Limiter P.C.B. Ass'y (PA-5II (Australia & Saudi Arabia) & PA-5EII)	F501	OB90246A	Fuse 500mA (PA-5II (Other) & PA-5AII)		BA07261A	Thermistor L P.C.B. Ass'y
	BA07263A	Limiter P.C.B. Ass'y (PA-5II (Other) & PA-5AII)	TF501	OB90322A OB90328A	Thermal Fuse 126 Fuse Clip EP (PA-5II & PA-5EII) (2)	Q139L R123L TH11L	OB60570A OB10255A OB09491A OB19010A OB83341A	Thermistor L P.C.B. TR 2SC3423 RM 1K 1/4W F Thermistor 102AT 2 Thermal P.C.B. Cable (1)
Q501 ZD501 D501 D502 R501 R502 R503 R504 C501 C502 C503 RY501	OB60574C OB10222A OB12195B OB06282A OB06181A OB07785A OB09424A OB24073A OB24093A OB40120A OB40119A OB40120A OB90326A	Limiter P.C.B. TR 2SC2705 (Y) ZD 24V B2 Diode Bridge DBA10 SiD 1SS53 RF 330 1W RM 4.75K 1/4W F RF 2.2K 1/2W RC 2.2 20W CE 100μ 50V CE 47μ 50V CE 100μ 50V Limiter Relay 24VDC		OB90327A OB83483B OB83475A	Fuse Clip UL (PA-5II (Other) & PA-5AII) (2) AC L Cord D (PA-5II (Other) & PA-5AII) (2) Limiter GND Cord (1)			
6.5. Thermistor R P.C.B. Ass'y							BA07262A	Thermistor R P.C.B. Ass'y
	OB81402A OB83329A OB83330A OB81179A OB90258A	2P-S Post Limiter Cord Ass'y L Limiter Cord Ass'y R 2P-S Post Spark Killer XE120033				Q139R R123R TH11R	OB60571A OB10255A OB09491A OB19010A OB83341A	Thermistor R P.C.B. TR 2SC3423 RM 1K 1/4W F Thermistor 102AT 2 Thermal P.C.B. Cable (1)

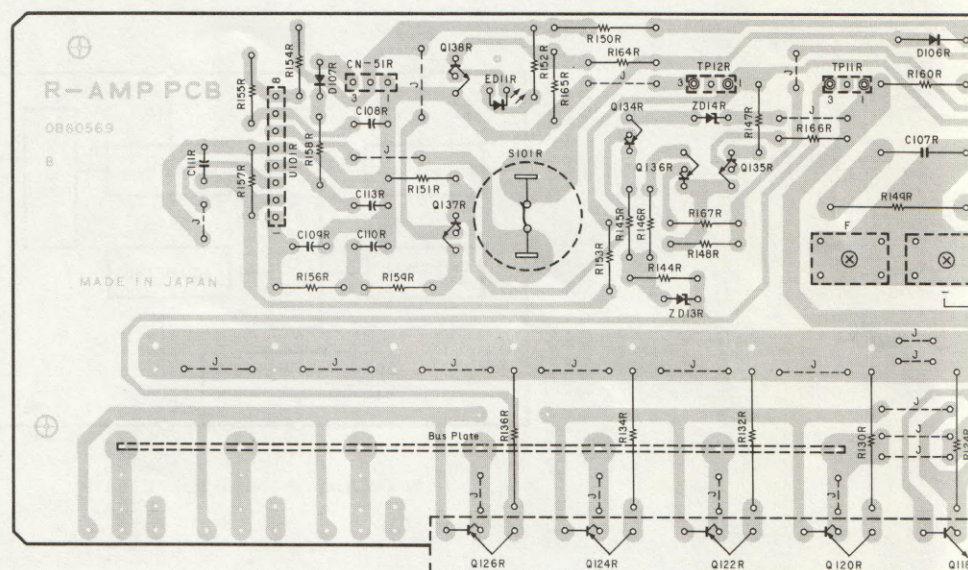
Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description	Schematic Ref. No.	Part No.	Description
6.6. Amp. L P.C.B. Ass'y			6.7. Amp. R P.C.B. Ass'y					
	BA07333A	Amp. L P.C.B. Ass'y (PA-5II, PA-5AII (U.S.A.) & PA-5EII)		BA07334A	Amp. R P.C.B. Ass'y (PA-5II, PA-5AII (U.S.A.) & PA-5EII)		BA07334A	Amp. R P.C.B. Ass'y (PA-5II, PA-5AII (U.S.A.) & PA-5EII)
	BA07450A	Amp. L P.C.B. Ass'y (PA-5AII (Canada))		BA07451A	Amp. R P.C.B. Ass'y (PA-5AII (Canada))		BA07451A	Amp. R P.C.B. Ass'y (PA-5AII (Canada))
U101L	OB60568B	Amp. L P.C.B. IC μ PC1237H	R148L	OB22562A	RM 82.5K 1/4W F	U101R	OB60569B	Amp. R P.C.B. IC μ PC1237H
Q101L	OB10188A	FET 2SK240 (BL)	R149L	OB24059A	RF 5.1 2W	Q101R	OB11246A	FET 2SK240 (BL)
Q102L	OB10050A	TR 2SA970 (BL)	R150L	OB07785A	RF 330 1W	Q102R	OB10188A	FET 2SK240 (BL)
Q103L	OB10050A	TR 2SA970 (BL)	R151L	OB09498A	RM 22.1K 1/4W F	Q103R	OB10050A	TR 2SA970 (BL)
Q104L	OB06142A	TR 2SC2240 (BL)	R152L	OB09427A	RM 5.62K 1/4W F	Q104R	OB10050A	TR 2SA970 (BL)
Q105L	OB06142A	TR 2SC2240 (BL)	R153L	OB09464A	RM 121K 1/4W F	Q105R	OB06142A	TR 2SC2240 (BL)
Q106L	OB10222A	TR 2SC2705 (Y)	R154L	OB09340A	RM 15K 1/4W F	Q106R	OB06142A	TR 2SC2240 (BL)
Q107L	OB10050A	TR 2SA970 (BL)	R155L	OB09595A	RM 56.2K 1/4W F	Q107R	OB10222A	TR 2SC2705 (Y)
Q108L	OB10050A	TR 2SA970 (BL)	R156L	OB09305A	RM 100K 1/4W F	Q108R	OB10050A	TR 2SA970 (BL)
Q109L	OB10050A	TR 2SA970 (BL)	R157L	OB09595A	RM 56.2K 1/4W F	Q109R	OB10050A	TR 2SA970 (BL)
Q110L	OB10252A	TR 2SA1370	R158L	OB09498A	RM 22.1K 1/4W F	Q110R	OB10252A	TR 2SA1370
Q111L	OB10252A	TR 2SA1370	R159L	OB09424A	RM 4.75K 1/4W F	Q111R	OB10252A	TR 2SA1370
Q112L	OB10253A	TR 2SC3467	R160L	OB24115A	RF 10 1/2W J	Q112R	OB10253A	TR 2SC3467
Q114L	OB10145A	TR 2SC3298 (B)	R161L	OB24115A	RF 10 1/2W J	Q114R	OB10145A	TR 2SC3298 (B)
Q115L	OB10254A	TR 2SA1306 (B)	R162L	OB24193A	RF 18K 1/2W J	Q115R	OB10254A	TR 2SA1306 (B)
Q134L	OB10050A	TR 2SA970 (BL)	R163L	OB09491A	RM 1K 1/4W F	Q134R	OB10050A	TR 2SA970 (BL)
Q135L	OB10103A	TR 2SC3333	R164L	OB09446A	RM 33.2K 1/4W F	Q135R	OB10103A	TR 2SC3333
Q136L	OB10102A	TR 2SA1320	R165L	OB09491A	RM 1K 1/4W F	Q136R	OB10102A	TR 2SA1320
Q137L	OB06142A	TR 2SC2240 (BL)	R166L	OB09491A	RM 1K 1/4W F	Q137R	OB06142A	TR 2SC2240 (BL)
Q138L	OB06142A	TR 2SC2240 (BL)	R167L	OB09491A	RM 1K 1/4W F	Q138R	OB06142A	TR 2SC2240 (BL)
ZD11L	OB12168A	ZD 10V B2	C101L	OB41795A	CSP 330P 160V J	ZD11R	OB12168A	ZD 10V B2
ZD12L	OB12610A	ZD 3.2V	C102L	OB41766A	CSP 4700P 160V J	ZD12R	OB12610A	ZD 3.2V
ZD13L	OB12156A	ZD 6.8V B2	C103L	OB41763A	CSP 10P 160V J	ZD13R	OB12156A	ZD 6.8V B2
ZD14L	OB12174A	ZD 12V B2	C104L	OB40502A	CE 220 μ 16V (BP)	ZD14R	OB12174A	ZD 12V B2
ZD15L,16L	OB12174A	ZD 12V B2	C105L	OB41766A	CSP 4700P 160V J	ZD15R,16R	OB12174A	ZD 12V B2
ZD17L	OB12210A	(PA-5AII (Canada)) ZD 39V B2	C106L	OB40517A	CE 10 μ 35V	ZD17R	OB12210A	(PA-5AII (Canada)) ZD 39V B2
D101L,102L	OB06398A	SiD 1SS176	C107L	OB41892A	CML 0.1 μ 200V	D101R,102R	OB06398A	SiD 1SS176
D103L,104L	OB06398A	SiD 1SS176	C108L	OB40078A	CE 100 μ 16V	D103R,104R	OB06398A	SiD 1SS176
D105L	OB19009A	(PA-5II, PA-5AII (U.S.A.) & PA-5EII) D Current Regulator E-102	C109L	OB40177A	CE 10 μ 50V	D105R	OB19009A	(PA-5II, PA-5AII (U.S.A.) & PA-5EII) D Current Regulator E-102
D106L	OB06181A	SiD 1SS53	C110L	OB40174A	CE 2.2 μ 50V	D106R	OB06181A	SiD 1SS53
D107L	OB06398A	SiD 1SS176	C111L	OB40079A	CE 220 μ 16V	D107R	OB06398A	SiD 1SS176
ED11L	OB12609A	LED SLRVT RED	C113L	OB40176A	CE 4.7 μ 50V	ED11R	OB12609A	LED SLRVT RED
VR11L	OB32139A	Semi VR 1K(B)	C114L	OB40504A	CE 330 μ 100V	VR11R	OB32139A	Semi VR 1K(B)
R101L	OB20344A	RK 51.1K 1/2W K	C115L	OB40504A	CE 330 μ 100V	R101R	OB20344A	RK 51.1K 1/2W K
R102L	OB20401A	RK 220 1/2W J	C116L	OB41196A	CSP 470P 160V J	R102R	OB20401A	RK 220 1/2W J
R103L	OB24191A	RF 390 1/2W J	C117L	OB41196A	CSP 470P 160V J	R103R	OB24191A	RF 390 1/2W J
R104L	OB24191A	RF 390 1/2W J	RY11L	OB90317A	Relay 24V	R104R	OB24191A	RF 390 1/2W J
R105L	OB22633A	RM 150 1/4W F	S101L	OB90084A	Thermal Switch 75°C	R105R	OB22633A	RM 150 1/4W F
	OB09522A	(PA-5II, PA-5AII (U.S.A.) & PA-5EII) RM 9.53K 1/4W F	CN01L	OB81654A	2P-T Post		OB09522A	(PA-5II, PA-5AII (U.S.A.) & PA-5EII) RM 9.53K 1/4W F
	OB09491A	RM 1K 1/4W F	CN51L	OB81183A	3P-S Post (WHT)		OB09491A	RM 1K 1/4W F
R106L	OB22562A	RM 82.5K 1/4W F	TP11L	OB81185A	3P-S Post (RED)	R106R	OB22562A	RM 82.5K 1/4W F
R107L	OB22643A	RM 47.5 1/4W F	TP12L	OB81184A	3P-S Post (BLK)	R107R	OB22643A	RM 47.5 1/4W F
R108L	OB24192A	RF 75 1/2W J		OB81934A	3P-T Post (12)	R108R	OB24192A	RF 75 1/2W J
R109L	OB20264A	RK 1.1K 1/2W G		OB81964A	4P Terminal (1)	R109R	OB20264A	RK 1.1K 1/2W G
R110L	OB09466A	RM 130K 1/4W F		OJ05211A	Heat Sink (2)	R110R	OB09466A	RM 130K 1/4W F
R111L	OB22633A	RM 150 1/4W F		OB81935A	LED Holder (1)	R111R	OB22633A	RM 150 1/4W F
R112L	OB22769A	RM 1.33K 1/4W F		OB83340A	Capacitor Ground Cord (1)	R112R	OB22769A	RM 1.33K 1/4W F
R113L	OB22770A	RM 13.3K 1/4W F		OE03395A	M3x8 Φ Binding (CU) (2)	R113R	OB22770A	RM 13.3K 1/4W F
R114L	OB09562A	RM 75K 1/4W F		OB81933A	Screw Terminal P-436 (5)	R114R	OB09562A	RM 75K 1/4W F
R115L	OB20208A	RK 75.0 1/2W G		OJ05596A	Bus Plate (2)	R115R	OB20208A	RK 75.0 1/2W G
R116L	OB20208A	RK 75.0 1/2W G		OJ05821A	BS Damper (2)	R116R	OB20208A	RK 75.0 1/2W G
R117L	OB20310A	RK 10K 1/2W G				R117R	OB20310A	RK 10K 1/2W G
R118L	OB20310A	RK 10K 1/2W G				R118R	OB20310A	RK 10K 1/2W G
R119L	OB20510A	RM 51.1K 1/2W F				R119R	OB20510A	RM 51.1K 1/2W F
R120L	OB20281A	RM 2.49K 1/2W F				R120R	OB20281A	RM 2.49K 1/2W F
R121L	OB09593A	RM 750 1/4W F				R121R	OB09593A	RM 750 1/4W F
R122L	OB24058A	RF 3 2W				R122R	OB24058A	RF 3 2W
R123L	OB24058A	RF 3 2W				R123R	OB24058A	RF 3 2W
R124L	OB24094A	RC 1 5W				R124R	OB24094A	RC 1 5W
R125L	OB24094A	RC 1 5W				R125R	OB24094A	RC 1 5W
R126L	OB24094A	RC 1 5W				R126R	OB24094A	RC 1 5W
R127L	OB24094A	RC 1 5W				R127R	OB24094A	RC 1 5W
R128L	OB24094A	RC 1 5W				R128R	OB24094A	RC 1 5W
R129L	OB24057A	RF 1 2W				R129R	OB24057A	RF 1 2W
R130L	OB24057A	RF 1 2W				R130R	OB24057A	RF 1 2W
R131L	OB24057A	RF 1 2W				R131R	OB24057A	RF 1 2W
R132L	OB24057A	RF 1 2W				R132R	OB24057A	RF 1 2W
R133L	OB24057A	RF 1 2W				R133R	OB24057A	RF 1 2W
R134L	OB24057A	RF 1 2W				R134R	OB24057A	RF 1 2W
R135L	OB24057A	RF 1 2W				R135R	OB24057A	RF 1 2W
R136L	OB24057A	RF 1 2W				R136R	OB24057A	RF 1 2W
R137L	OB24057A	RF 1 2W				R137R	OB24057A	RF 1 2W
R144L	OB09423A	RM 4.02K 1/4W F				R144R	OB09423A	RM 4.02K 1/4W F
R145L	OB22562A	RM 82.5K 1/4W F				R145R	OB22562A	RM 82.5K 1/4W F
R146L	OB22736A	RM 35.7K 1/4W F				R146R	OB22736A	RM 35.7K 1/4W F
R147L	OB09315A	RM 332K 1/4W F				R147R	OB09315A	RM 332K 1/4W F

Schematic Ref. No.	Part No.	Description
R148R	OB22562A	RM 82.5K 1/4W F
R149R	OB24059A	RF 5.1 2W
R150R	OB07785A	RF 330 1W
R151R	OB09498A	RM 22.1K 1/4W F
R152R	OB09427A	RM 5.62K 1/4W F
R153R	OB09464A	RM 121K 1/4W F
R154R	OB09340A	RM 15K 1/4W F
R155R	OB09595A	RM 56.2K 1/4W F
R156R	OB09305A	RM 100K 1/4W F
R157R	OB09595A	RM 56.2K 1/4W F
R158R	OB09498A	RM 22.1K 1/4W F
R159R	OB09424A	RM 4.75K 1/4W F
R160R	OB24115A	RF 10 1/2W J
R161R	OB24115A	RF 10 1/2W J
R162R	OB24193A	RF 18K 1/2W J
R163R	OB09491A	RM 1K 1/4W F
R164R	OB09446A	RM 33.2K 1/4W F
R165R	OB09491A	RM 1K 1/4W F
R166R	OB09491A	RM 1K 1/4W F
R167R	OB09491A	RM 1K 1/4W F
C101R	OB41795A	CSP 330P 160V J
C102R	OB41766A	CSP 4700P 160V J
C103R	OB41763A	CSP 10P 160V J
C104R	OB40502A	CE 220μ 16V (BP)
C105R	OB41766A	CSP 4700P 160V J
C106R	OB40517A	CE 10μ 35V
C107R	OB41892A	CML 0.1μ 200V
C108R	OB40078A	CE 100μ 16V
C109R	OB40177A	CE 10μ 50V
C110R	OB40174A	CE 2.2μ 50V
C111R	OB40079A	CE 220μ 16V
C113R	OB40176A	CE 4.7μ 50V
C114R	OB40504A	CE 330μ 100V
C115R	OB40504A	CE 330μ 100V
C116R	OB41196A	CSP 470P 160V J
C117R	OB41196A	CSP 470P 160V J
RY11R	OB90317A	Relay 24V
S101R	OB90084A	Thermal Switch 75°C
CN01R	OB81654A	2P-T Post
CN51R	OB81183A	3P-S Post (WHT)
TP11R	OB81185A	3P-S Post (RED)
TP12R	OB81184A	3P-S Post (BLK)
	OB81934A	3P-T Post (12)
	OB81964A	4P Terminal (1)
	OJ05211A	Heat Sink (2)
	OB81935A	LED Holder (1)
	OB83340A	Capacitor Ground Cord (1)
	OE03395A	M3x8 @ Binding (CU) (2)
	OB81933A	Screw Terminal P-436 (5)
	OJ05596A	Bus Plate (2)
	OJ05821A	BS Damper (2)
Heat Sink R Ass'y (See Fig. 5.6.)		
	—	Heat Sink R Ass'y
Q116R	OB60573A	Power Transistor R P.C.B.
Q117R	OB10250A	TR 2SC3856
Q118R	OB10251A	TR 2SA1492
Q119R	OB10250A	TR 2SC3856
Q120R	OB10251A	TR 2SA1492
Q121R	OB10250A	TR 2SC3856
Q122R	OB10251A	TR 2SA1492
Q123R	OB10250A	TR 2SC3856
Q124R	OB10251A	TR 2SA1492
Q125R	OB10250A	TR 2SC3856
Q126R	OB10251A	TR 2SA1492
Q127R	OB10250A	TR 2SC3856
	OJ05601A	Cooling Sheet A (1)
	OH05393B	Heat Sink R (1)
	OJ05595A	P.C.B. Stud A (4)
	OJ05755A	P.C.B. Stud B (1)
	OJ05821A	BS Damper (2)
	OE03490A	M3x10 @ Binding (3A) (Nickel) (12)
	OE00966A	M3x5 @ Binding (Nickel) (6)
	BA07334A	Amp. R P.C.B. Ass'y (PA-5II, PA-5AII (U.S.A.) & PA-5EII)
	BA07451A	Amp. R P.C.B. Ass'y (PA-5AII (Canada))
	BA07262A	Thermistor R P.C.B. Ass'y

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



6.7. Amp. R P.C.B. Ass'y



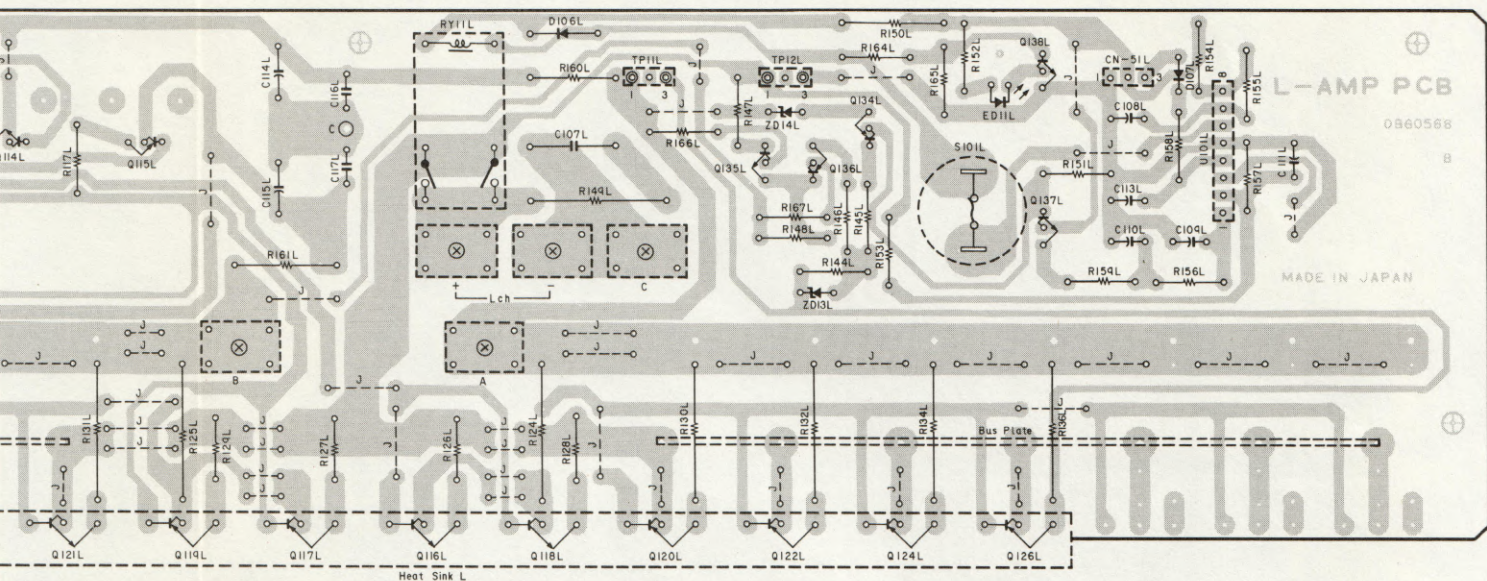


Fig. 6.6

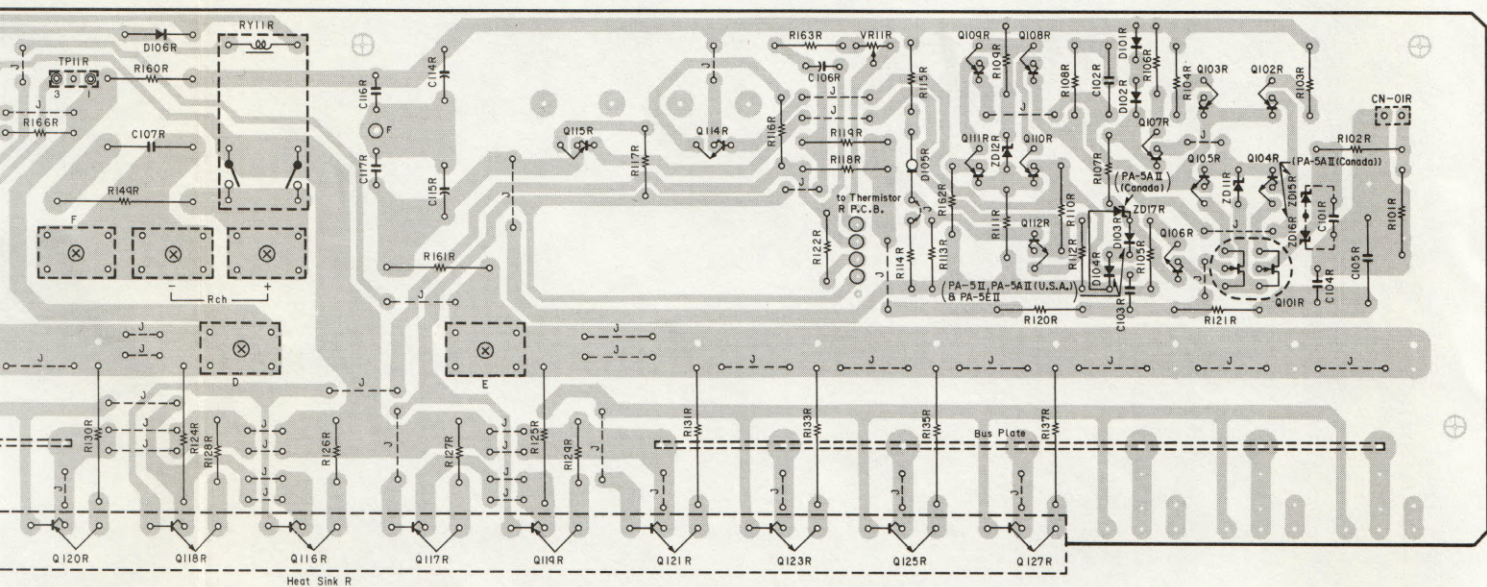
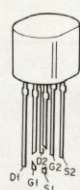


Fig. 6.7

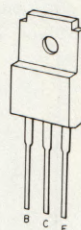
7. SCHEMATIC DIAGRAM



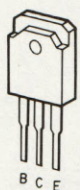
2SK240



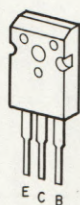
2SA970
2SA1320
2SA1370
2SC2240
2SC3333
2SC3467



2SA1306
2SC3298



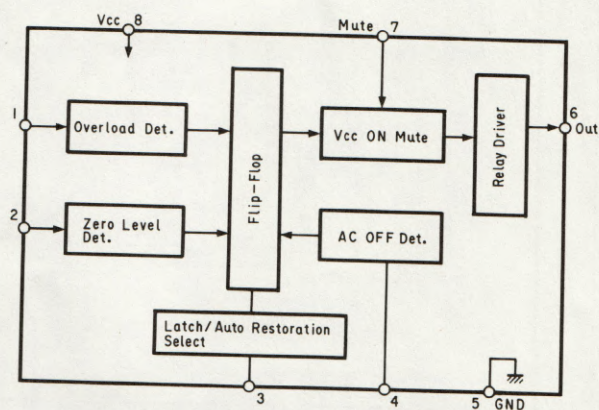
2SA1492
2SC3856



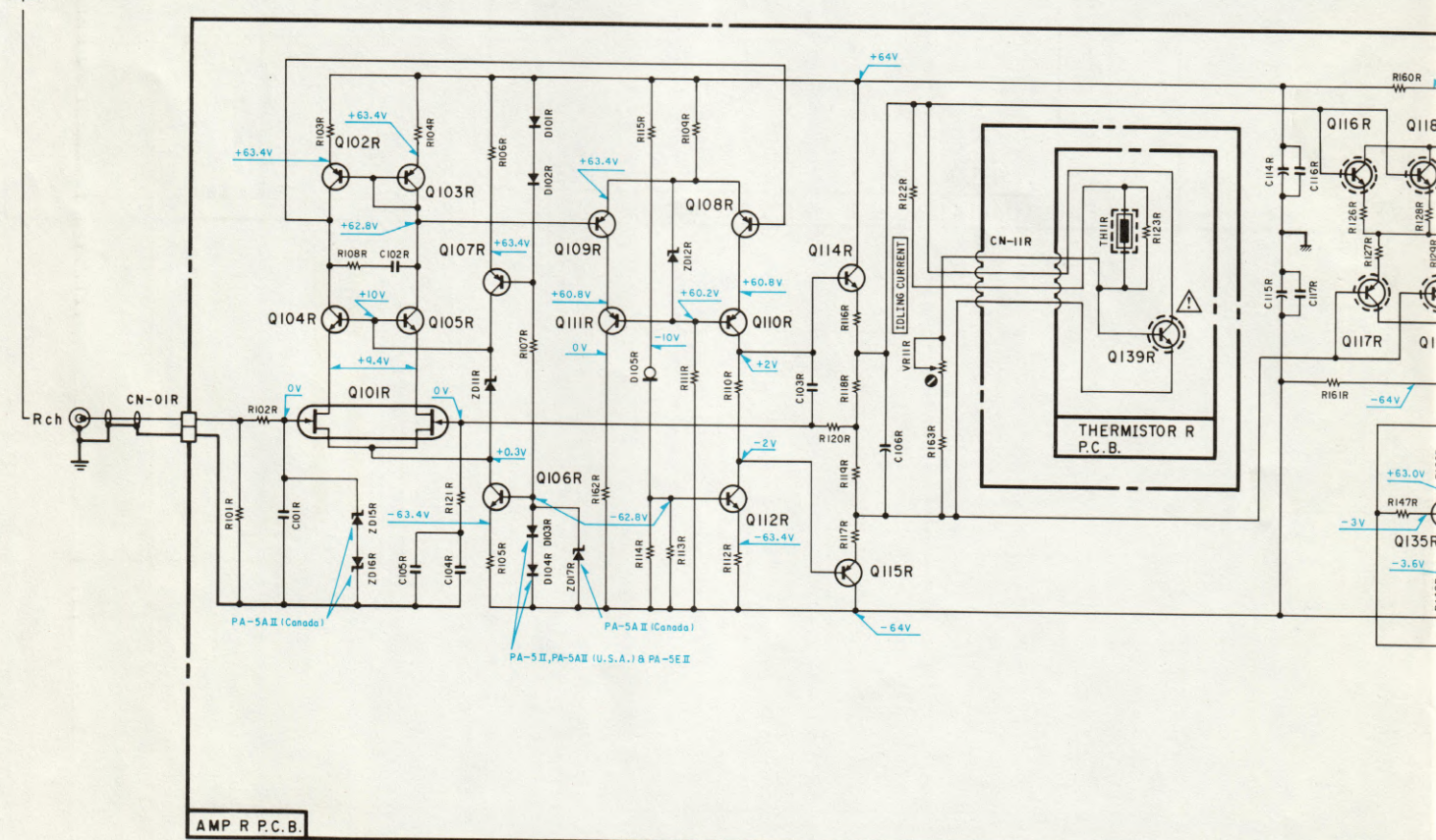
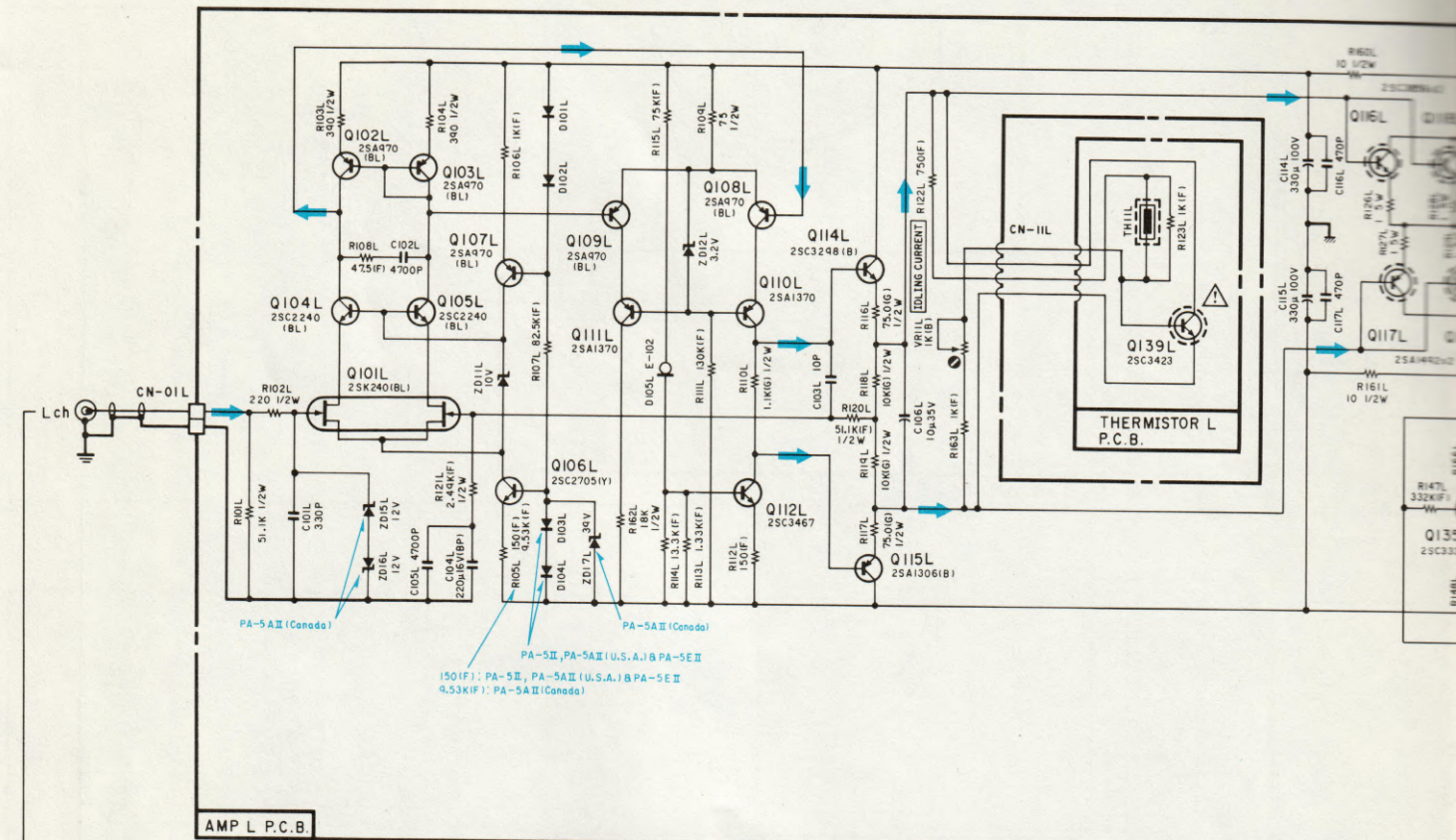
2SC3423



2SC2705



Power Amp. Protector IC μ PC1237H



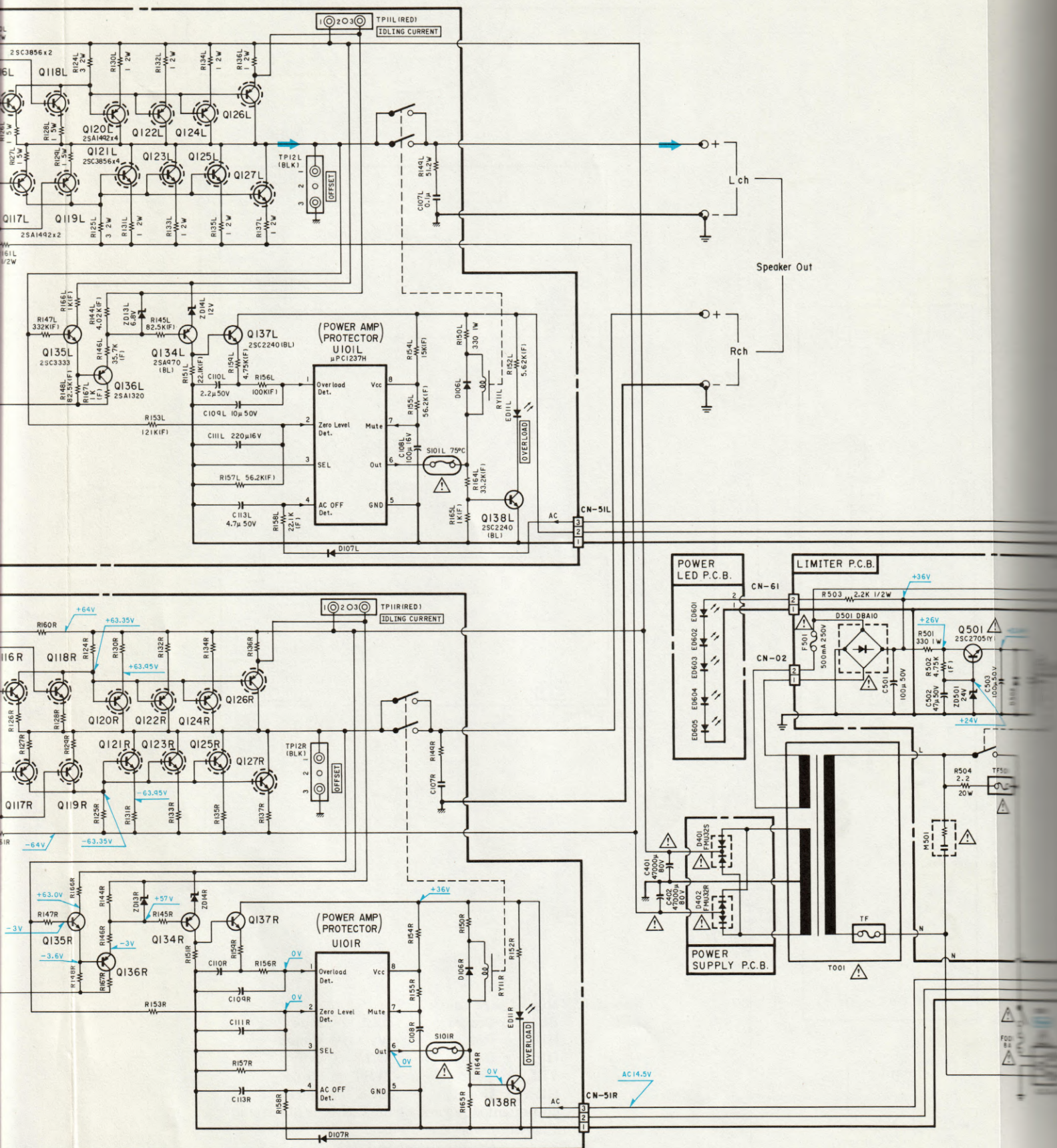
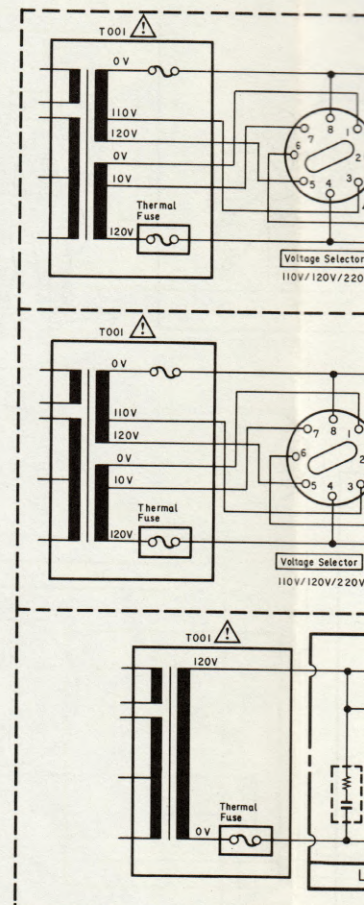
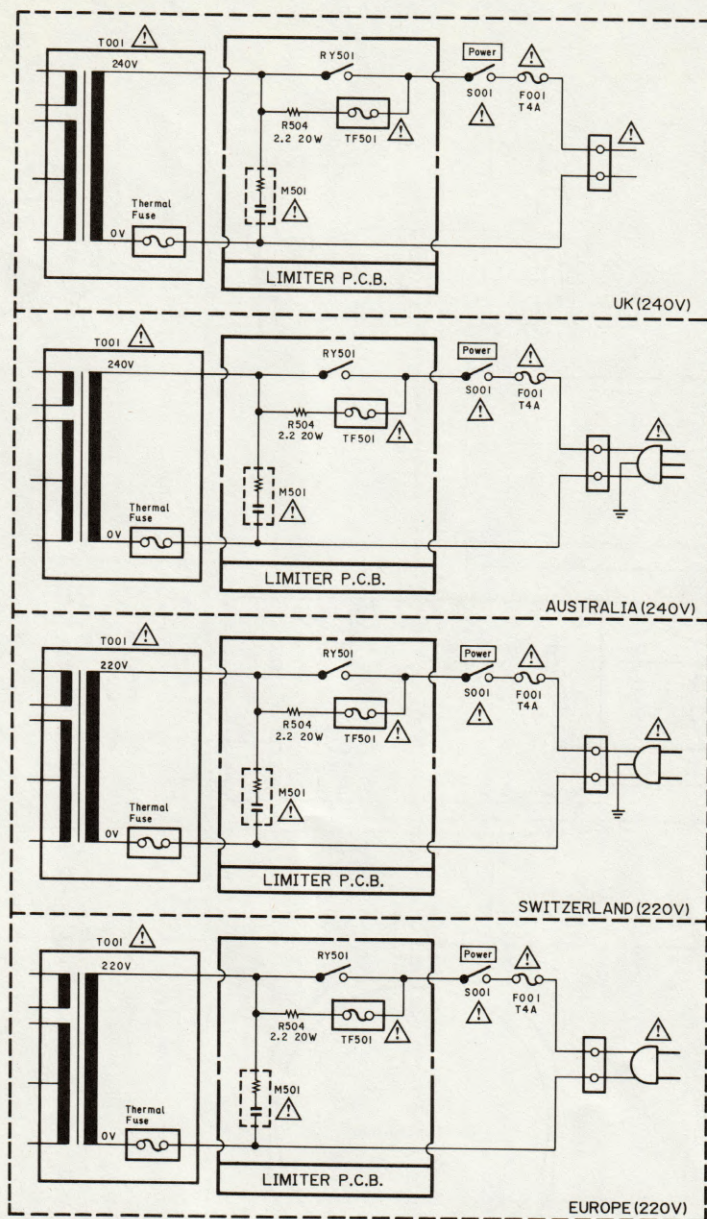
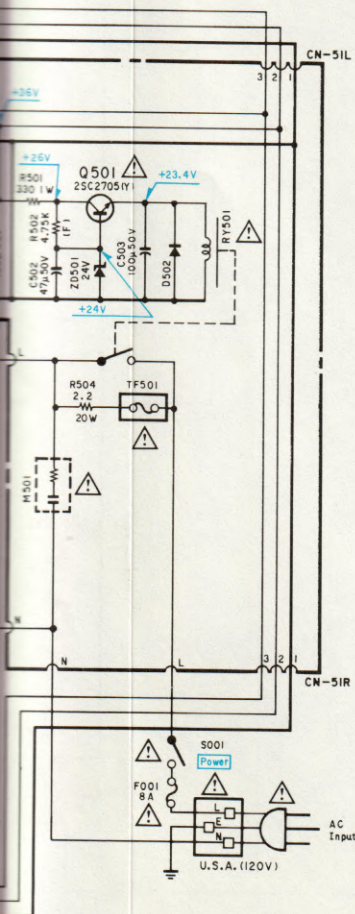
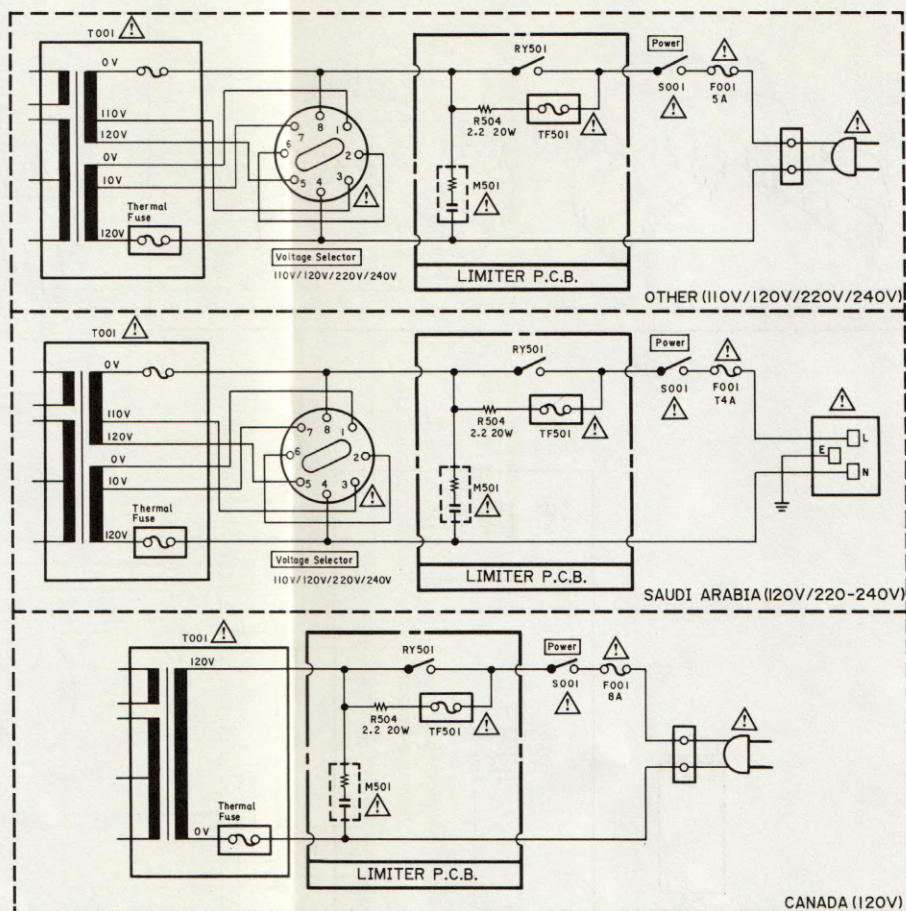
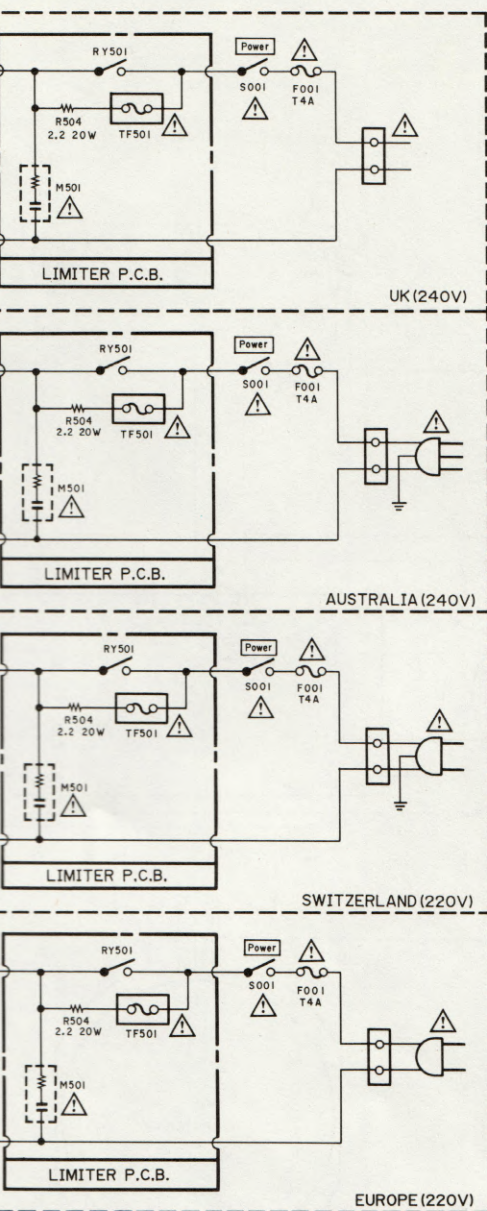


Fig. 7



WARNING:
Parts marked with the triangle symbol have special characteristics.
Use **ONLY** replacement parts from the manufacturer.
It is recommended to use a suitable DC supply and follow the procedures.

Notes: 1. Diode is 1S...
2. Voltage me...
• With no...
• With no...



WARNING:

Parts marked with the symbol  have critical characteristics.

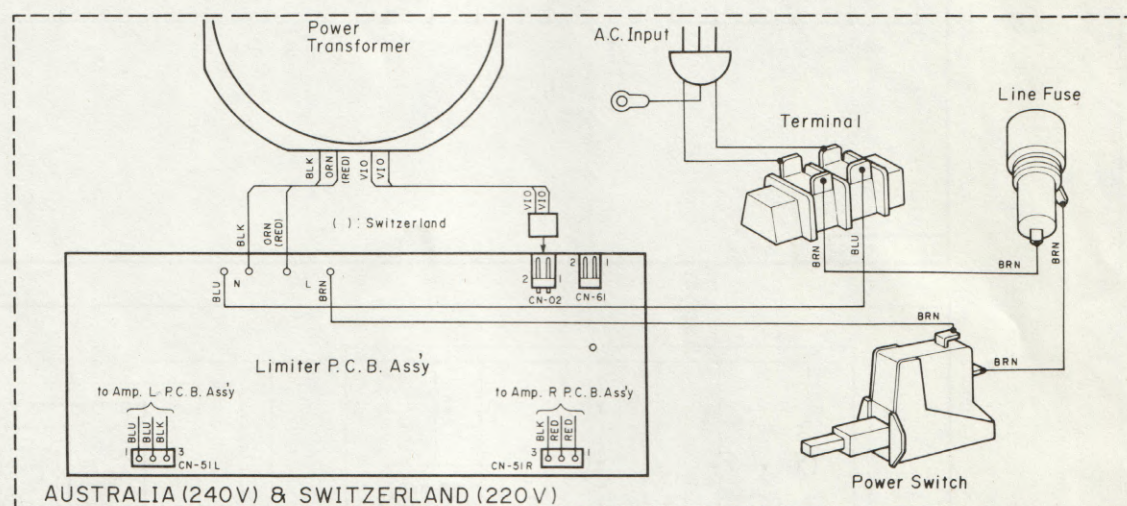
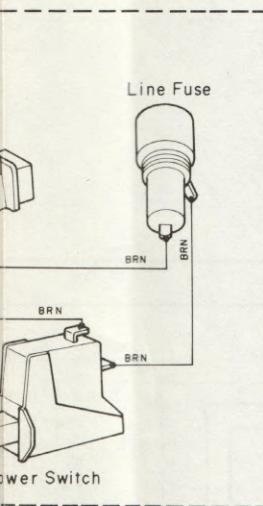
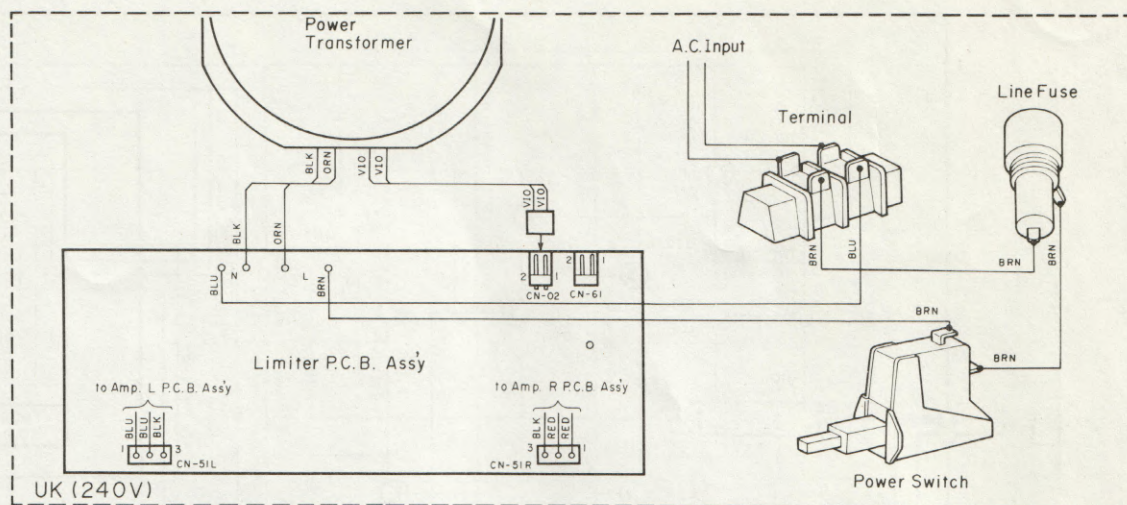
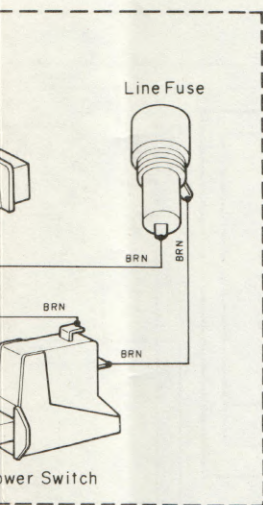
Use ONLY replacement parts recommended by the manufacturer.

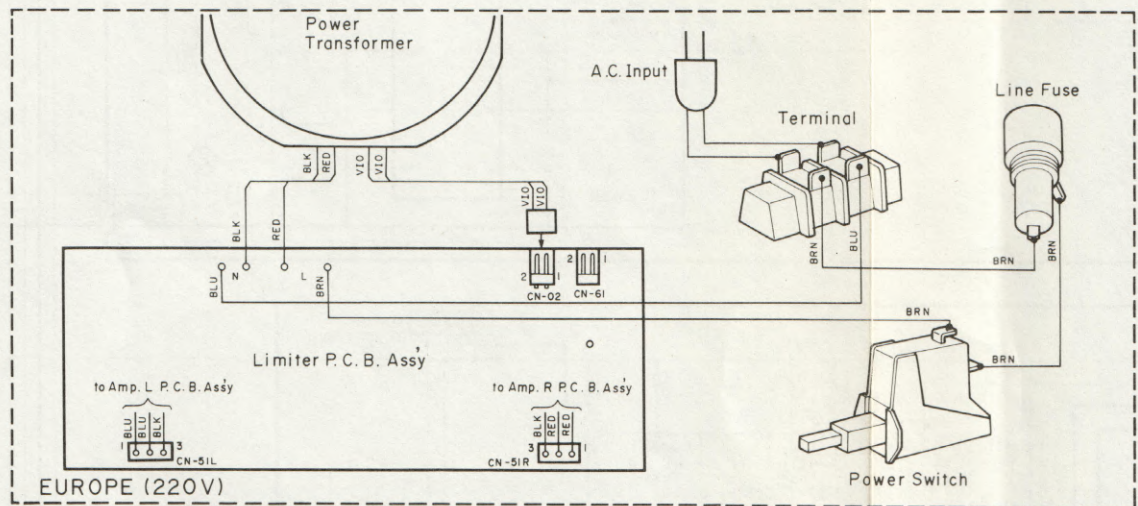
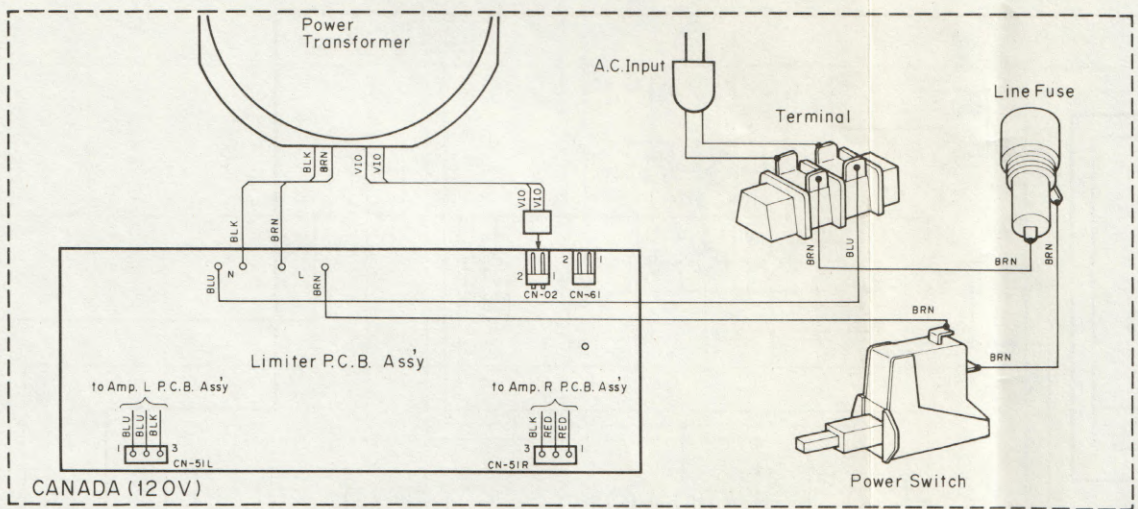
It is recommended that the unit be operated from a suitable DC supply or batteries during initial check-out procedures.

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

2. Voltage measuring condition:

- With no input signal applied to the input terminals.
- With no load connected to the speaker terminals.





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 ().

8. WIRING DIAGRAM

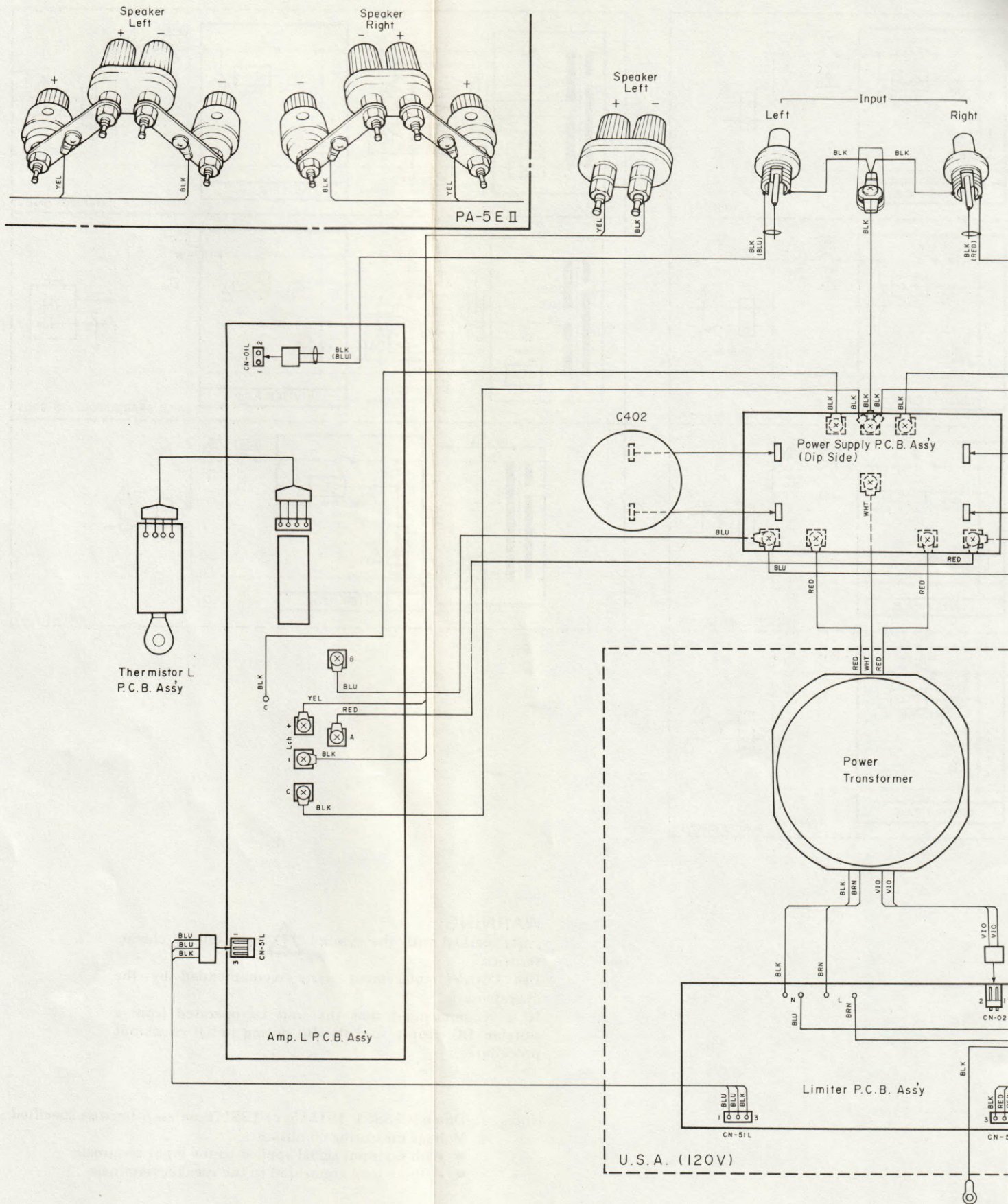


Fig. 8.1

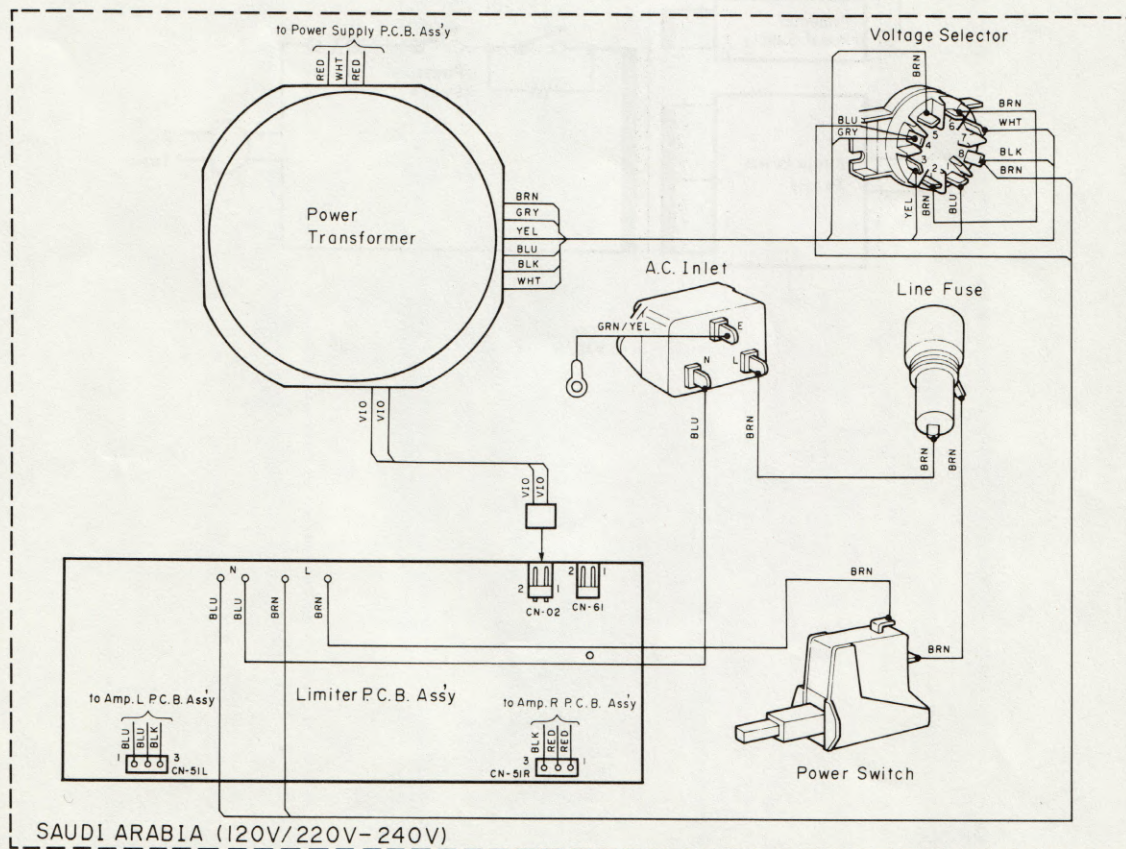
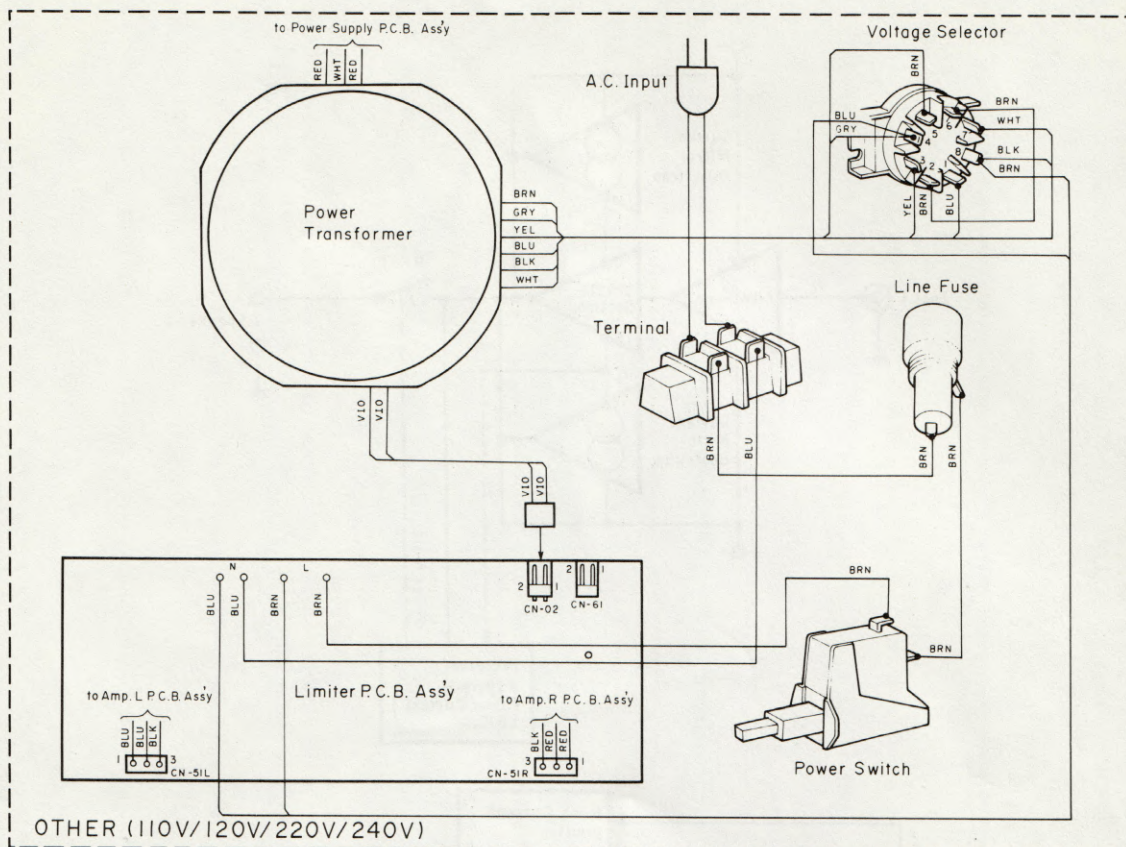


Fig. 8.2

9. BLOCK DIAGRAM

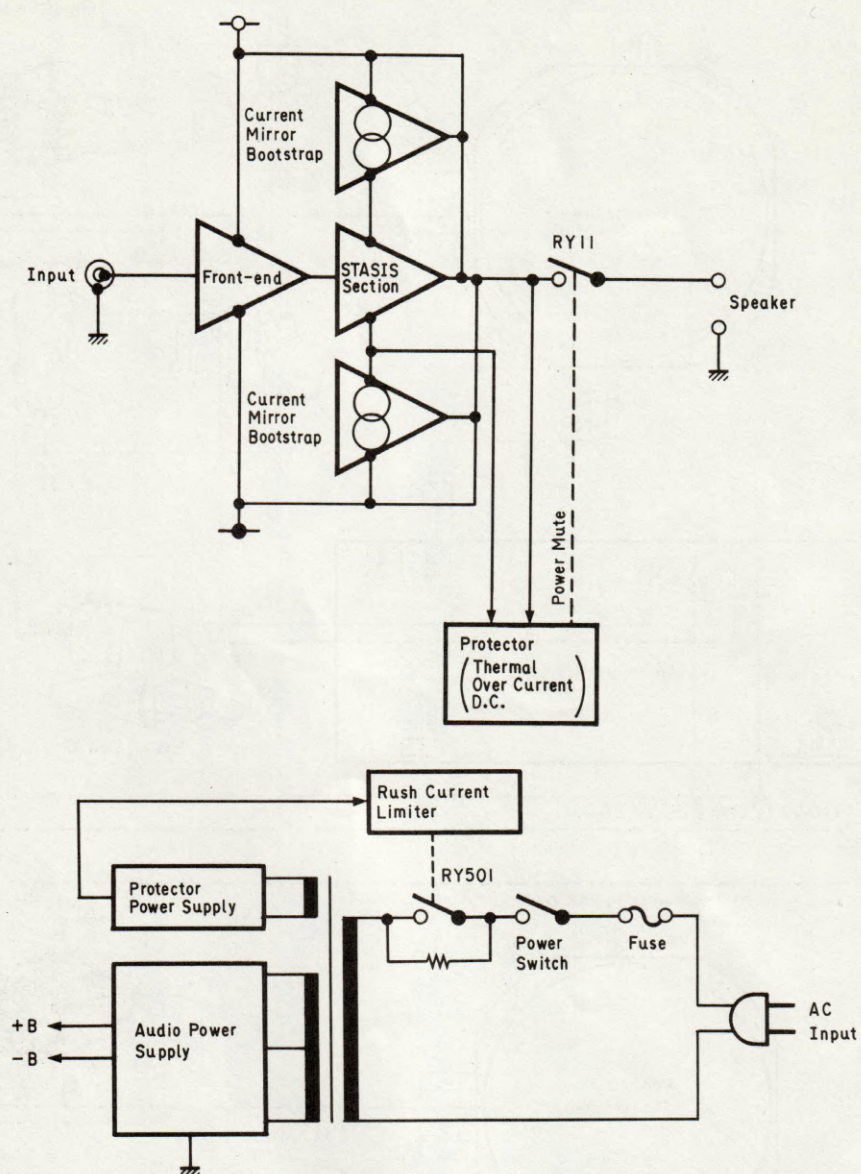


Fig. 9

10. SPECIFICATIONS

Continuous Average Power 150 W x 2 (8 ohms, both channels driven, 20—20,000 Hz, 0.05% THD)
Output (NEW IHF)
Dynamic Power per Channel . . . 225 W (8 ohms)
Dynamic Head Room 1.7 dB (8 ohms)
(NEW IHF)
Power Bandwidth (Half 5 Hz—50 kHz
Rated Power, 0.05% THD)
Damping Factor (NEW IHF) . . . Greater than 60/60/60
20 Hz/1 kHz/20 kHz
Input Sensitivity/Impedance . . . 1.6 V/50 k ohms (rated power)
(NEW IHF) 140 mV/50 k ohms (1 W output)
Frequency Response (1 W, . . . 20—20,000 Hz +0, -0.2 dB
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 30 μ V
(IHF A-WTD)
Total Harmonic Distortion Less than 0.05%
(Rated Power, 20—20,000 Hz)
Stereo Separation (Input 100/90/70 dB
Shorted) 100 Hz/1 kHz/10 kHz
Output Complement 14 transistors per channel
Output Current Capability 18 A continuous, 70 A peak (per channel)
Power Supply 470 VA toroidal transformer, 94,000 μ F total filter capacitance
Power Source 120, 220, 240 or 110/120/220/240 V AC; 50/60 Hz
(According to country of sale)
Power Consumption 650 W max.
Dimensions* 435 (W) x 157 (H) x 421 (D) mm
17-1/8 (W) x 6-3/16 (H) x 16-9/16 (D) inches
Approximate Weight 21.5 kg; 47 lbs., 6 oz.

*: Dimensions do not include protruding parts. Height is the panel height without feet.

- 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.

Service Manual

Nakamichi PA-5_{II}, PA-5A_{II}, PA-5E_{II}

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Nakamichi Canada
Nakamichi GmbH
Nakamichi Australia

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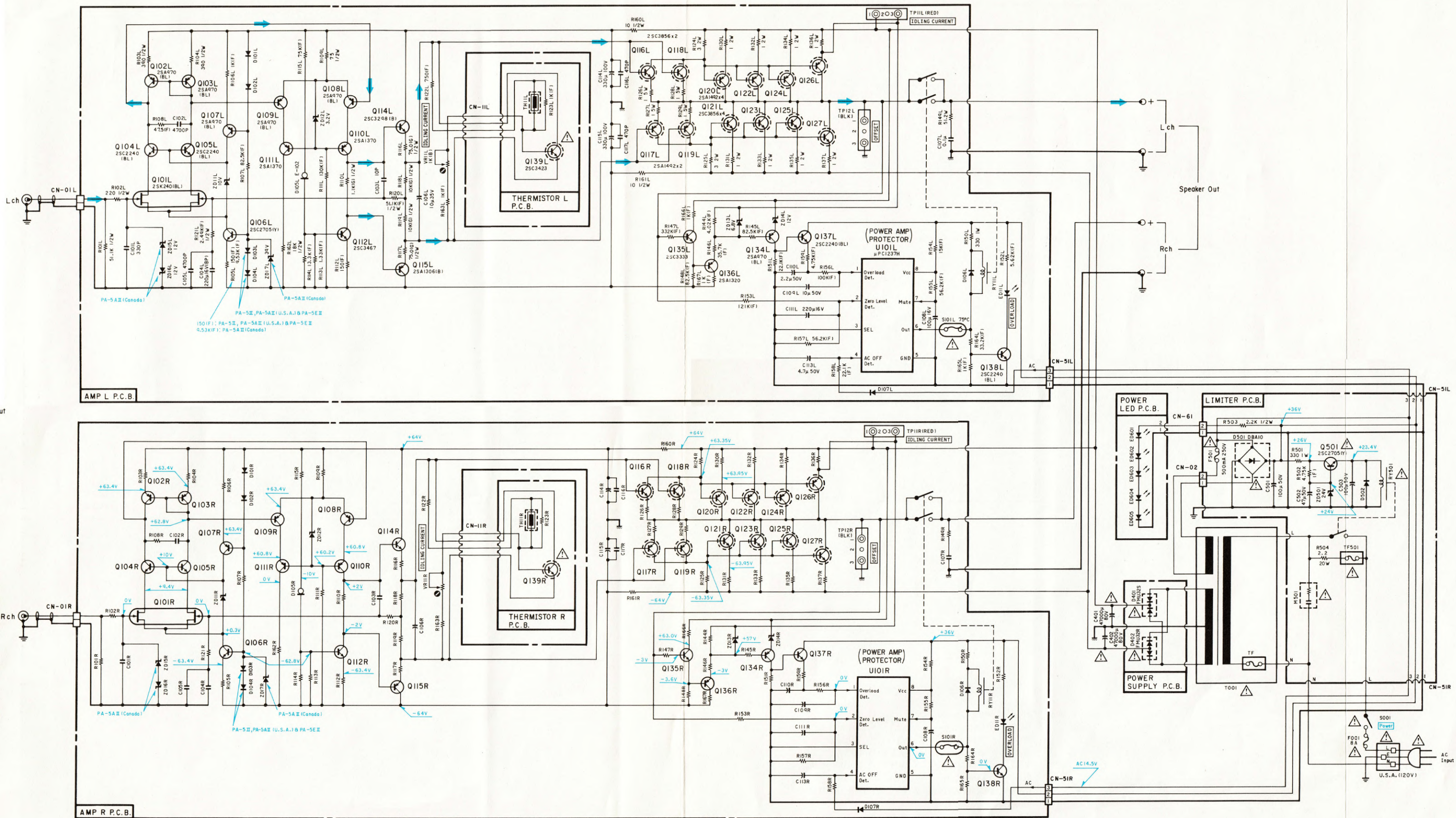


Fig. 7