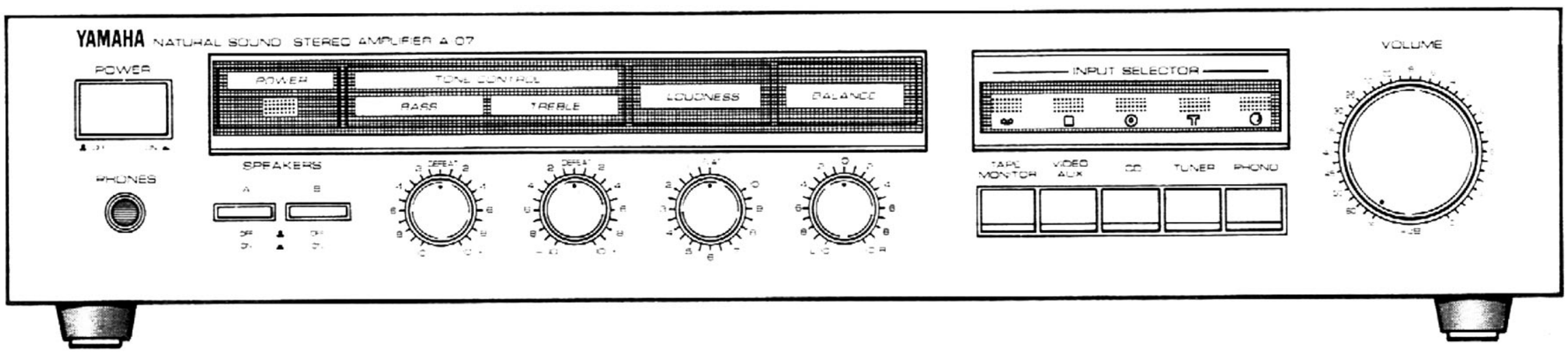
STEREO INTEGRATED AMPLIFIER

A-07

SERVICE MANUAL

■ FRONT PANEL



IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherant to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

IMPORTANT: The presentation or sale of this manual to any individual or firm does not constitute authorization, certification, recognition of any applicable technical capabilitites, or establish a principleagent relationship of any form.

The data provided is believed to be accurate and applicable to the unit/s indicated on the cover. The research, engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and changes in specification are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

IMPORTANT: Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

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004572

SINCE 1887 YAMAHA

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

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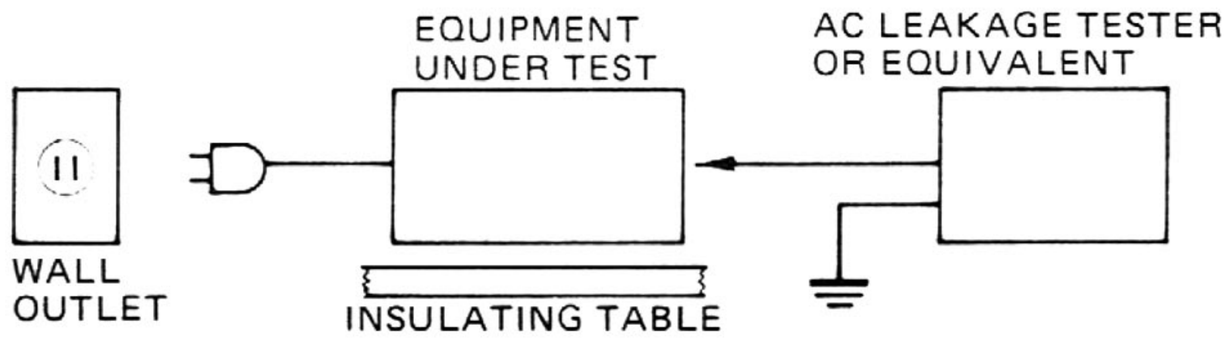
■ TO SERVICE PERSONNEL

1. Critical Components Information.
   Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.

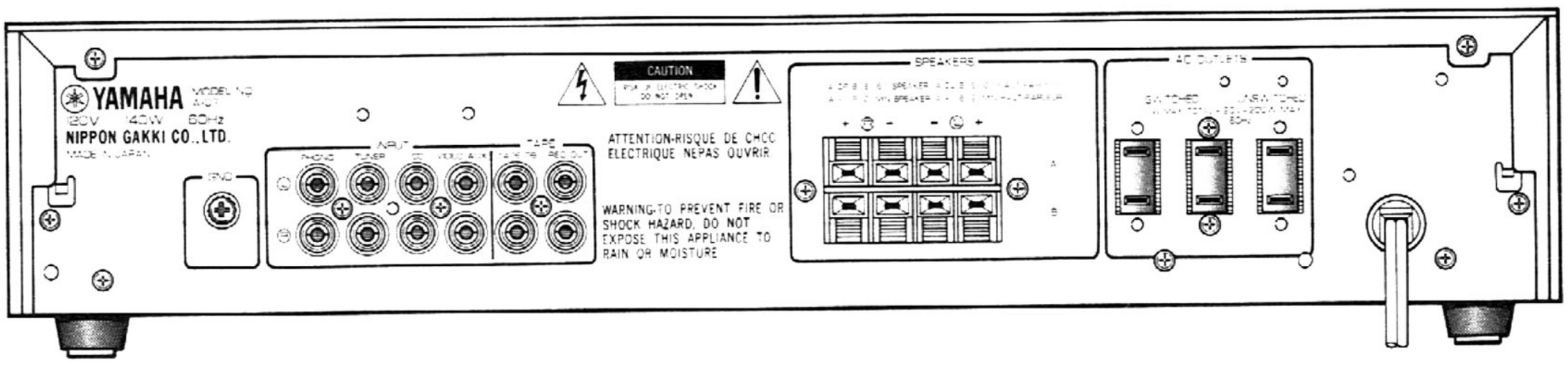
2. Leakage Current Measurement (For 120V Model Only).
   When service has been completed, it is imperative that you verify that all exposed conductive surfaces are properly insulated from supply circuits.

- Meter impedance should be equivalent to 1500 ohm shunted by 0.15μF.
- Leakage current must not exceed 0.5mA.
- Be sure to test for leakage with the AC plug in both polarities.

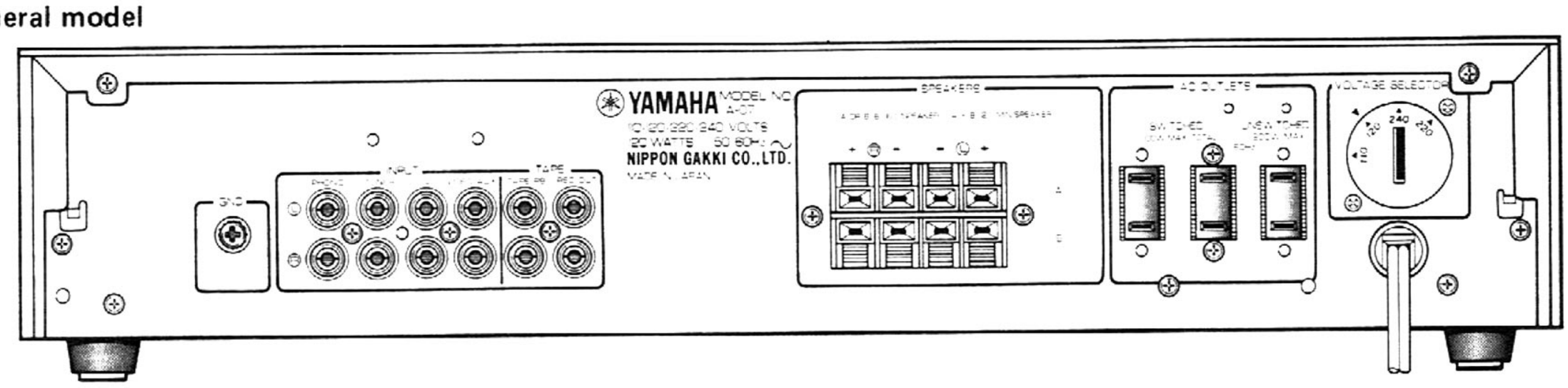


■ REAR PANELS

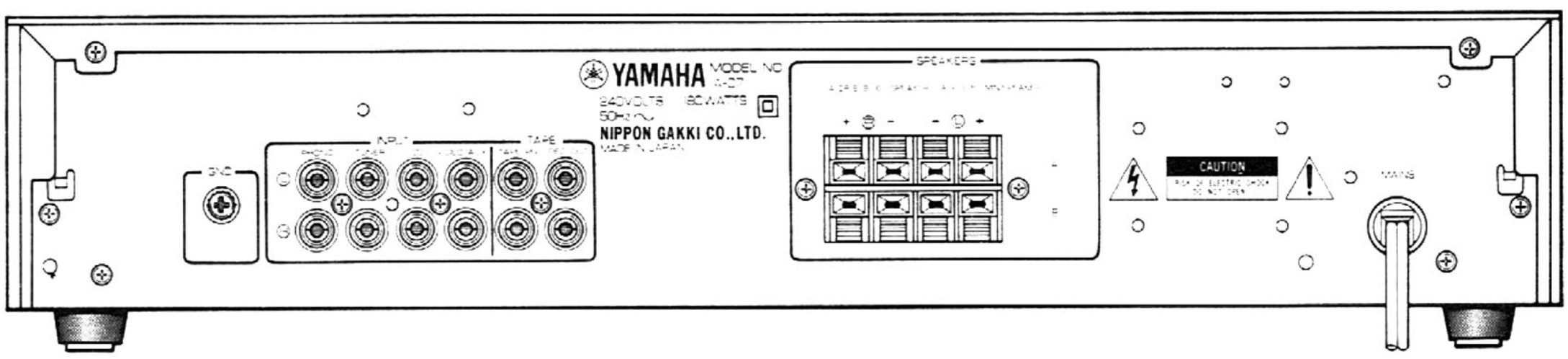
▼ U.S.A. & Canadian models



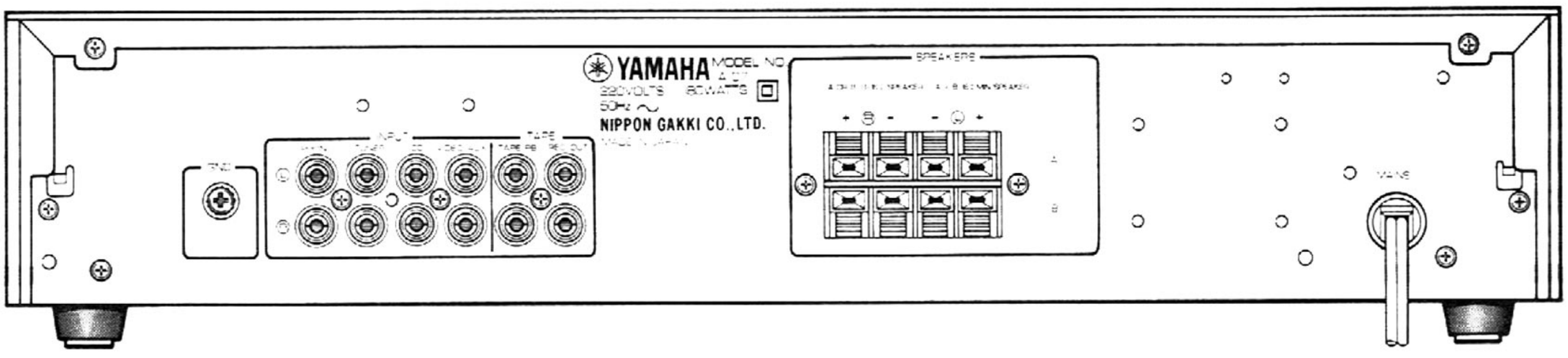
▼ General model



▼ Australian & British models



▼ European model



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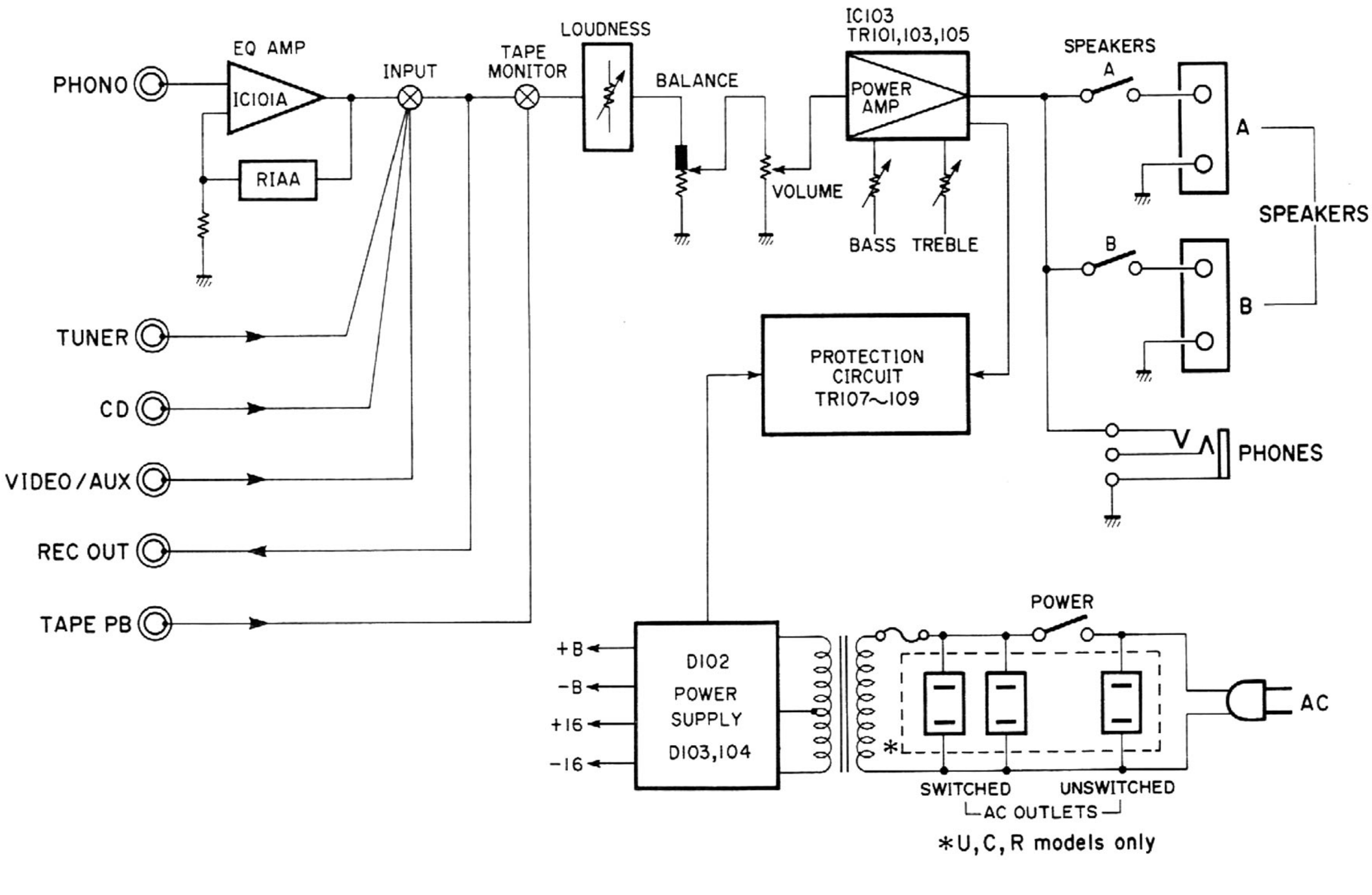
BLOCK DIAGRAM



SPECIFICATIONS

Continuous Power Per Channel	
20Hz ~ 20kHz (0.09% THD, 8Ω)	**30W + 30W**
1kHz (0.01% THD, 8Ω)	**35W + 35W (For Sweden)**
DIN Standard Output Power Per Channel	
1kHz (1% THD, 4Ω)	**40W + 40W (G)(B)(A)**
Power Bandwidth (0.09% THD, 15W 8Ω)	**10Hz ~ 50kHz**
Damping Factor (50Hz, 8Ω)	**40**
Input Sensitivity/Impedance	
Phono	**2.5mV/47kΩ**
AUX, Tape Tuner, CD	**150mV/35kΩ**
Input Sensitivity (New IHF)	
Phono	**0.47mV**
AUX, Tape, Tuner, CD	**28mV**
Maximum Input Signal Level	
Phono (1kHz, 0.02% THD)	**170mV**
Output Level/Impedance	
Rec Out	**150mV/600Ω**
Headphone Jack Rated Output/ Impedance (0.09% THD, 8Ω)	**500mV/220Ω**
Frequency Response	
Aux, Tape, Tuner, CD	**20Hz ~ 20kHz, ±0.5dB**
RIAA Equalization Deviation	
Phono	**±0.5dB**
Total Harmonic Distortion	
Phono to Rec Out (3V)	**0.01%**
Aux, Tape, Tuner, CD to Sp Out (15W/8Ω)	**0.03%**
Intermodulation Distortion	
Aux, Tape, Tuner, CD Rated Output/8Ω	**0.05%**
Signal-to-Noise Ratio (IHF-A-Network)	
Phono (5mV, Input shorted)	**88dB/82dB (G)**
Aux, Tape, Tuner, CD (5.1kΩ)	**95dB**

Residual Noise (IHF A Network)	**240μV**
Tone Control Characteristics	
Bass boost/cut	**$\pm^{10}_{5}$dB (at 50Hz)**
Bass turnover frequency	**300Hz**
Treble boost/cut	**$\pm^{10}_{5}$dB (at 10kHz)**
Treble turnover frequency	**3.0kHz**
Continuous Loudness Control (Level-related equalization)	
Attenuation	**20dB (at 1kHz)**
Gain Tracking Error (0 to −60dB)	**2dB**
Power Supplies	
U.S.A. and Canadian models	**AC120V, 60Hz**
General model	**AC110/120/220/240V, 60/50Hz**
British and Australian models	**240V, 50Hz**
European model	**220V, 50Hz**
Power Consumption	
U.S.A. and Canadian models	**140W**
General model	**120W**
European, British and Australian models	**180W**
Dimensions (W x H x D)	**435 x 92 x 293mm (17-1/8x3-5/8x11-1/2)"**
Weight	**4.6kg (10.14 lbs)**

U: U.S.A. model
C: Canadian model
A: Australian model
G: European model
B: British model
R: General model

Specifications subject to change without notice.

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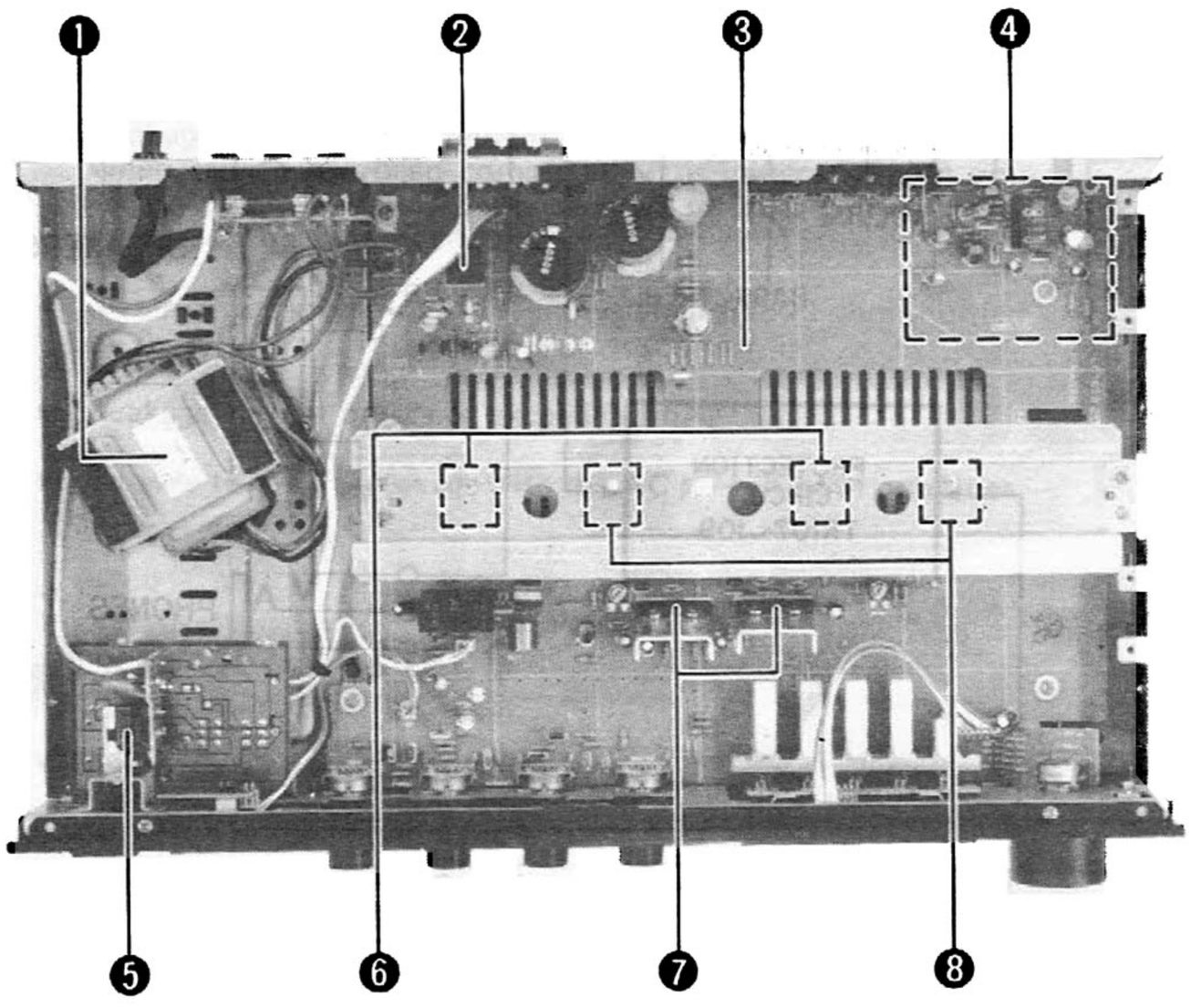
■INTERNAL VIEW



❶POWER TRANSFORMER
U.S.A. & Canadian models: GA68100
General model: GA68130
Australian & British models: GA68120
European model: GA68110
❷DIODE BRIDGE
❸MAIN CIRCUIT BOARD
❹EQ AMP SECTION
❺POWER SWITCH
❻POWER TRANSISTOR: 2SC2579 (O, P, Y)
❼V AMP IC: μPC1225H
❽POWER TRANSISTOR: 2SA1104 (O, P, Y)

■DISASSEMBLY PROCEDURES

(Remove parts in disassembly order as numbered.)

1. Removal of Top Cover

a. Remove 6 screws (①) in Fig. 1, and slide the Top Cover back.

2. Removal of Front Panel

a. Remove 5 screws (②) in Fig. 1, and pull the Front Panel forward.

3. Removal of Bottom Cover

a. Remove 5 screws (③) in Fig. 1.

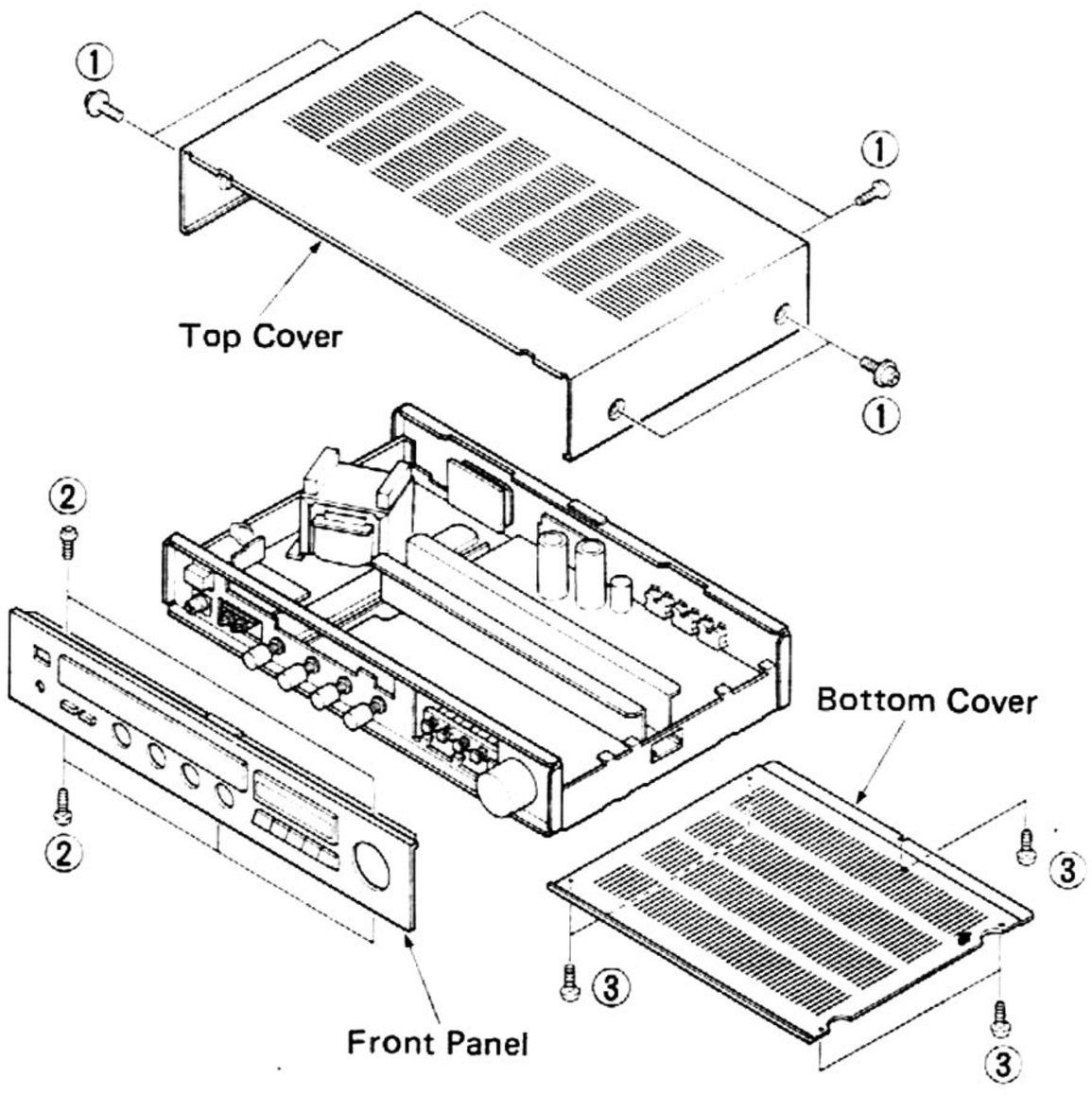


Fig. 1

■ADJUSTMENTS

• IDLING CURRENT ADJUSTMENT

When replacing the power and drive transistors, adjust idling current. After the power has been turned on, age about 5 minutes in non loaded condition. Adjust VR105 (Lch) and VR106 (Rch) so that the voltage across the terminals of R161 (TP1-TP3) and 162 (TP2-TP4) come to 20mV ± 5mV DC.

	Test points	Adjustment points	Rating
Lch	Across the terminals of R161 (TP1 ~ TP3)	VR105	20mV ± 5mV DC.
Rch	Across the terminals of R162 (TP2 ~ TP4)	VR106	20mV ± 5mV DC.

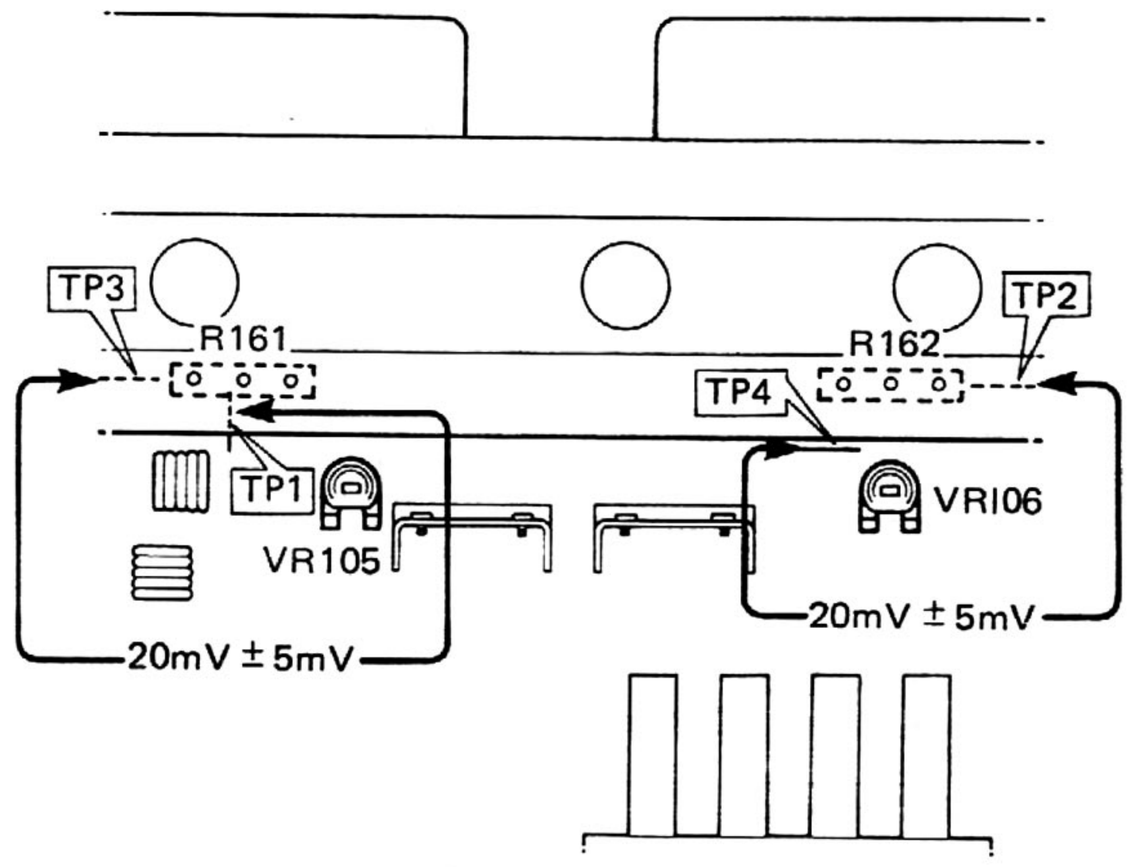


Fig. 2

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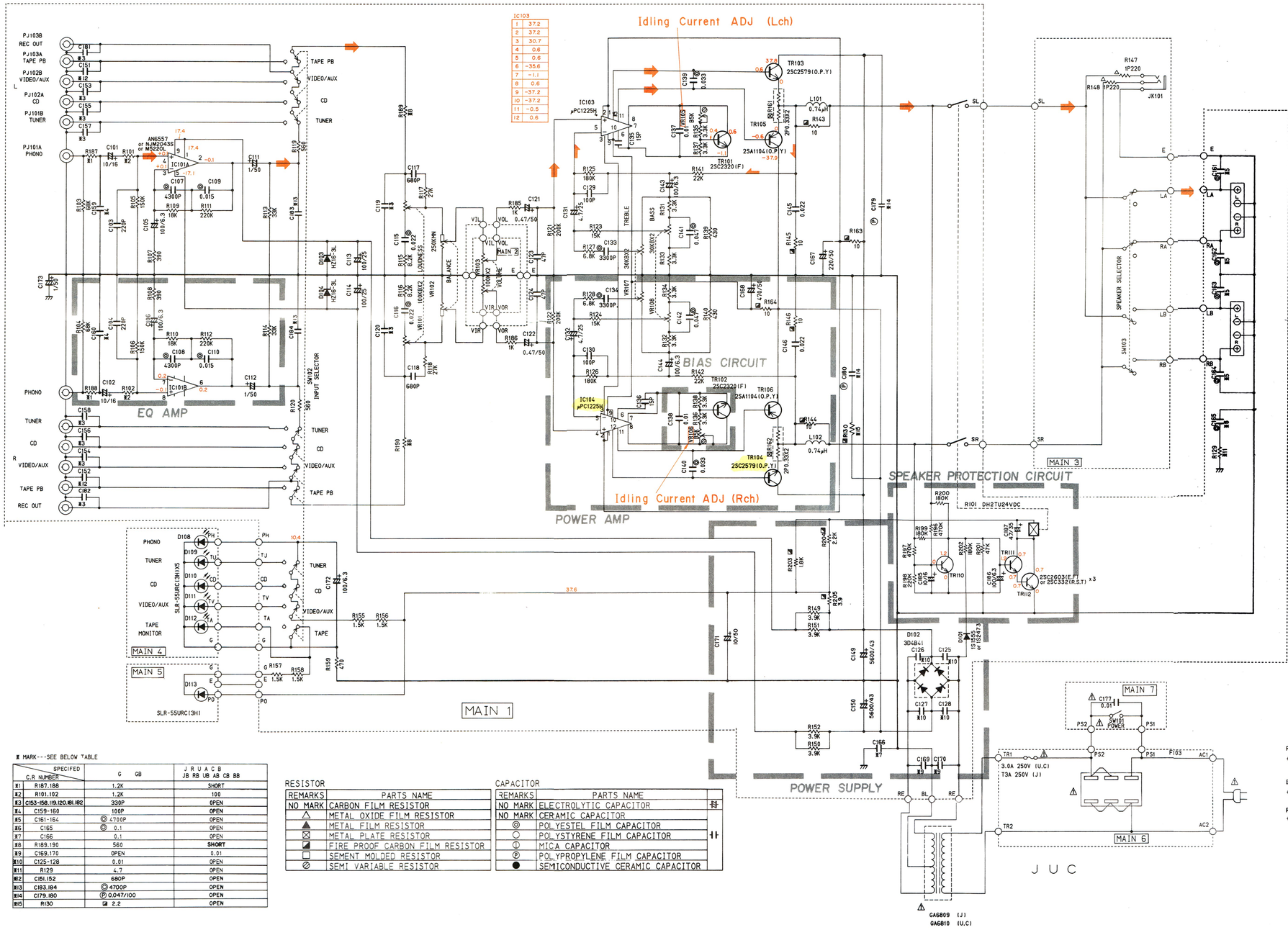
■ SCHEMATIC DIAGRAM



IC103	
1	37.2
2	37.2
3	30.7
4	0.6
5	0.6
6	−35.6
7	−1.1
8	0.6
9	−37.2
10	−37.2
11	−0.5
12	0.6

※ MARK---SEE BELOW TABLE

	SPECIFIED / C.R. NUMBER	G GB	J R U A C B JB RB UB AB CB BB
※1	R187.188	1.2K	SHORT
※2	R101.102	1.2K	100
※3	C153-158.119.120.181.182	330P	OPEN
※4	C159-160	100P	OPEN
※5	C161-164	◎ 4700P	OPEN
※6	C165	◎ 0.1	OPEN
※7	C166	0.1	OPEN
※8	R189.190	560	SHORT
※9	C169.170	OPEN	0.01
※10	C125-128	0.01	OPEN
※11	R129	4.7	OPEN
※12	C151.152	680P	OPEN
※13	C183.184	◎ 4700P	OPEN
※14	C179.180	Ⓟ 0.047/100	OPEN
※15	R130	◪ 2.2	OPEN

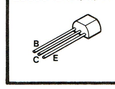
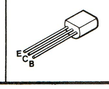
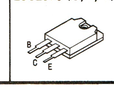
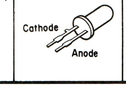
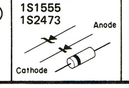
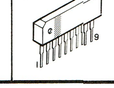
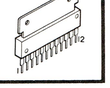
RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
◪	FIRE PROOF CARBON FILM RESISTOR
□	SEMENT MOLDED RESISTOR
⊘	SEMI VARIABLE RESISTOR

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
NO MARK	CERAMIC CAPACITOR
◎	POLYESTEL FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
Ⓘ	MICA CAPACITOR
Ⓟ	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

2SC2603 (E, F) 2SC3312 (R, S, T)	2SC2320 (F)	2SA1104 (O, P, Y) 2SC2579 (O, P, Y)	SLR-55URC	1SR35-100A RD15EB3 1S1555 1S2473	3D4B41	AN6557	μPC1255H
							

- *All voltages are measured with a 10MΩ/V DC electric volt meter.*
- *Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.*
- *Schematic diagram is subject to change without notice.*

Note: This schematic diagram is for U.S.A. and Canadian models.
As the following parts and values differ from each model, please refer to the corresponding column.

	U, C	R	A, B	G
R187, 188	Short	Short	Short	1.2k
R101, 102	100	100	100	1.2k
C119,120,153~158, 181, 182	Open	Open	Open	330P
C159, 160	Open	Open	Open	100P
C161 ~ 164	Open	Open	Open	◎4700P
C165	Open	Open	Open	◎ 0.1
C166	Open	Open	Open	0.1
R189, 190	Short	Short	Short	560
C169, 170	0.01	0.01	0.01	Open
C125 ~ 126	Open	Open	Open	0.01
R129	Open	Open	Open	4.7
MAIN (6)	Set	Set	Non Set	Non Set
MAIN (7)	Set	Set	Non Set	Non Set
F103	3.0A 250V	T3.0A 250V		
C177	0.01	0.01		
SW101	Set	Set		
C151, 152	Open	Open	Open	680P
C183, 184	Open	Open	Open	◎4700P
C179, 180	Open	Open	Open	Ⓟ0.047/100
R130	Open	Open	Open	◪2.2

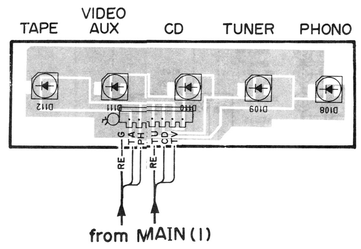
■PRINTED CIRCUIT BOARD (Pattern side)

Note: As the following parts and values differ from each model, please refer to the corresponding column.

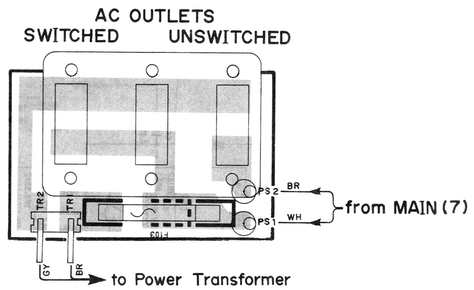
Note
文字面 : **Letter side**

	U, C	R	A, B	G
R187, 188	Short	Short	Short	1.2k
R101, 102	100	100	100	1.2k
C119,120,153～158, 181, 182	Open	Open	Open	330P
C159, 160	Open	Open	Open	100P
C161 ～ 164	Open	Open	Open	◉4700P
C165	Open	Open	Open	◎ 0.1
C166	Open	Open	Open	0.1
R189, 190	Short	Short	Short	560
C169, 170	0.01	0.01	0.01	Open
C125 ～ 126	Open	Open	Open	0.01
R129	Open	Open	Open	4.7
MAIN (6)	Set	Set	Non Set	Non Set
MAIN (7)	Set	Set	Non Set	Non Set
F103	3.0A 250V	T3.0A 250V		
C177	0.01	0.01		
SW101	Set	Set		
C183, 184	Open	Open	Open	◉4700P
C151, 152	Open	Open	Open	680P
C179, 180	Open	Open	Open	◎0.047/100
R130	Open	Open	Open	◢2.2
J211	Open	Open	Open	Set

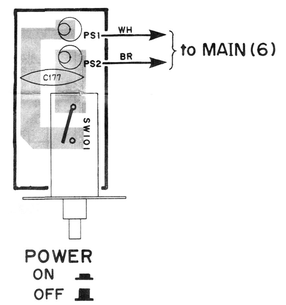
Main Circuit Board (4)



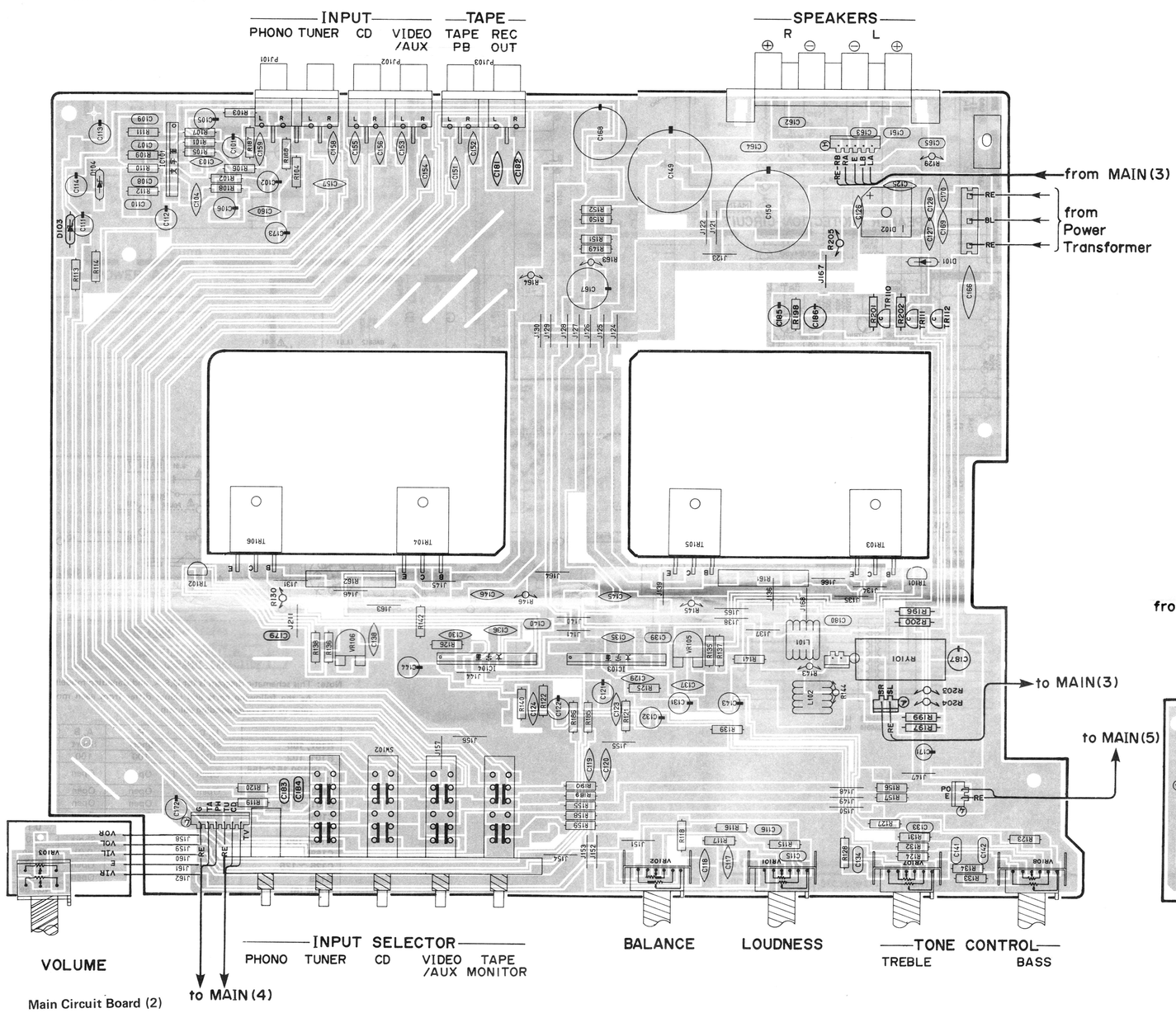
Main Circuit Board (6) . . . U, C, R models only



Main Circuit Board (7) . . . U, C, R models only

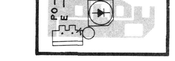


Main Circuit Board (1)

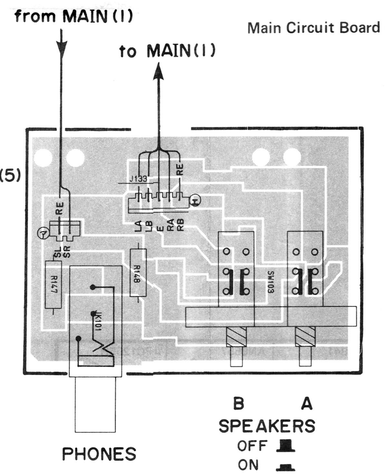


Main Circuit Board (2)

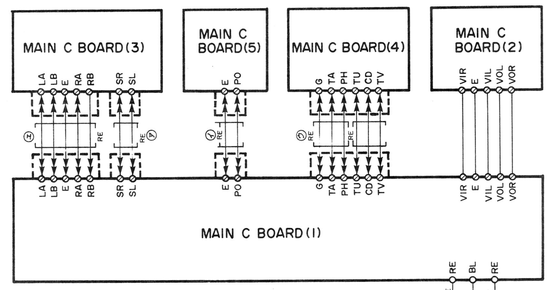
Main Circuit Board (5)



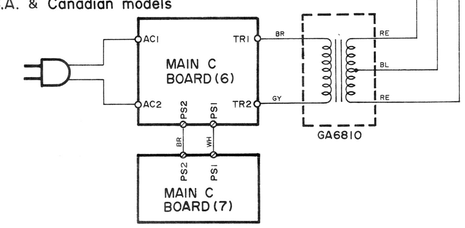
Main Circuit Board (3)



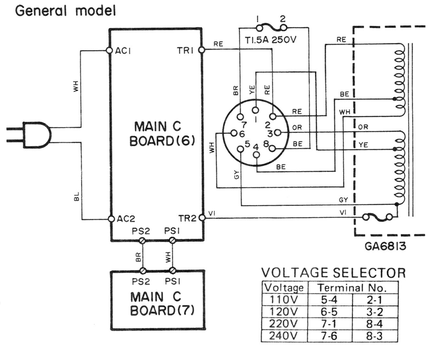
■WIRING



U.S.A. & Canadian models



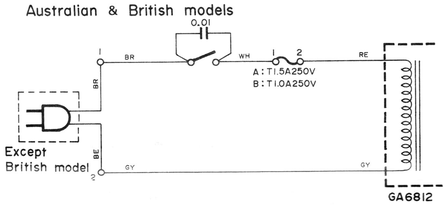
General model



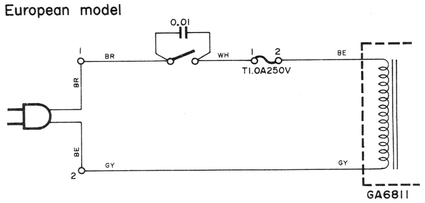
VOLTAGE SELECTOR

Voltage	Terminal No.	
110V	5-4	2-1
120V	6-5	3-2
220V	7-1	8-4
240V	7-6	8-3

Australian & British models



European model



• **WIRE COLOR ABBREVIATIONS**

BL	▶ Black	VI	▶ Violet
BR	▶ Brown	GY	▶ Gray
RE	▶ Red	WH	▶ White
OR	▶ Orange	GG	▶ Light Green
YE	▶ Yellow	SB	▶ Light Blue
GR	▶ Green	PK	▶ Pink
BE	▶ Blue		

PARTS LIST

■ELECTRICAL PARTS

■WARNING
Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.

- Carbon resistors of this amplifier are 1/6W.
  There is no discription about them in this parts list.
  Use the "Part NO." HF85 ○○○○ or equivalent.

	Ref. No.	Part No.	Description		部品名	Remarks	Common Model	Markets	ランク	
※		NA 08 51 30	Main Circuit Board		メインシート	Silver		J		
※		NA 08 51 40	〃		〃	Black		J		
※		NA 08 51 70	〃		〃	Silver		R		
※		NA 08 51 80	〃		〃	Black		R		
※		NA 08 52 10	〃		〃	Silver		U, C		
※		NA 08 52 20	〃		〃	Black		U, C		
※		NA 08 52 50	〃		〃	Silver		A, B		
※		NA 08 52 60	〃		〃	Black		A, B		
※		NA 08 52 90	〃		〃	Silver		G		
※		NA 08 53 00	〃		〃	Black		G		
		FG 41 11 50	Ceramic Cap	15pF 50V	セラコン	C135,136				
		FG 41 14 70	〃	47pF 50V	〃	C123,124				
		FG 41 21 00	〃	100pF 50V	〃	C129,130				
		FG 41 21 00	〃	100pF 50V	〃	C159,160		G		
		FG 41 22 20	〃	220pF 50V	〃	C103,104				
		FG 41 23 30	〃	330pF 50V	〃	C153~158,119,120,181,182		G		
		FG 41 26 80	〃	680pF 50V	〃	C117,118				
		FG 41 26 80	〃	680pF 50V	〃	C151,152		G		
		FG 44 41 00	〃	0.01μF 50V	〃	C169,170		J,R,U,A,C,B		⚠
		FG 44 41 00	〃	0.01μF 50V	〃	C125~128		G		
		FG 44 41 00	〃	0.01μF 50V	〃	C137,138				
		FG 44 42 20	〃	0.022μF 50V	〃	C145,146				
		FG 44 51 00	〃	0.1μF 50V	〃	C166		G		
		Fi 38 41 00	〃	0.01μF	〃	C177	J,R,U,C			
		FZ 00 39 50	Electrolytic Cap	5600μF 43V	ブロックケミコン	C149,150				
		UA 25 33 30	Mylar Cap	3300pF 50V	マイラーコン	C133,134				
		UA 25 34 30	〃	4300pF 50V	〃	C107,108				
		UA 25 34 70	〃	4700pF 50V	〃	C161~164,183,184				
		UA 25 41 50	〃	0.015μF 50V	〃	C109,110				
		UA 25 42 20	〃	0.022μF 50V	〃	C115,116				
		UA 25 43 30	〃	0.033μF 50V	〃	C139,140				
		UA 25 44 70	〃	0.047μF 50V	〃	C141,142				
		UA 25 51 00	〃	0.1μF 50V	〃	C165		G		
		UT 45 44 70	Polypropylene Film Cap	0.047μF 100V	プリプロコン	C179,180		G		
		UW 91 81 00	Electrolytic Cap	100μF 6.3V	ケミコン	C105,106,143,144,172,186				
		UW 93 71 00	〃	10μF 16V	〃	C101,102,185				
		UW 94 81 00	〃	100μF 25V	〃	C113,114				
		UW 94 64 70	〃	4.7μF 25V	〃	C131,132				
		UJ 45 64 70	〃	4.7μF 35V	〃	C187				
		UW 96 54 70	〃	0.47μF 50V	〃	C121,122				
		UW 96 61 00	〃	1μF 50V	〃	C111,112,173				
		UW 96 71 00	〃	10μF 50V	〃	C171				
		UW 86 82 20	〃	220μF 50V	〃	C167				
		UW 86 84 70	〃	470μF 50V	〃	C168				
※		GD 90 06 80	Coil	0.74μH	空芯コイル	L101,102				
		HL 71 52 20	Metal Oxide Film Resistor	220Ω 1P	酸金抵抗	R147,148				
		HV 45 41 00	Flame Proof Carbon Resistor	10Ω 1/4W	不燃化カーボン抵抗	R143~146,163,164				
		HV 45 32 20	〃	2.2Ω 1/4W	〃	R130		G		
		HV 45 34 70	〃	4.7Ω 1/4W	〃	R129		G		
		HV 45 33 90	〃	3.9Ω 1/4W	〃	R205				
		HV 45 61 80	〃	1.8kΩ 1/4W	〃	R203				

※New Parts（新規部品）

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Ref. No.	Part No.	Description		部品名	Remarks	Common Model	Markets	ランク
	HV 45 62 20	Flame Proof Carbon Resistor	2.2kΩ 1/4W	不燃化カーボン抵抗	R204			
	HZ 00 19 50	Dual Metal Plate Resistor	0.33Ω 2P	ディアル金属板抵抗	R161,162			
	HS 41 20 00	Potentiometer	トク100kΩx2	可変抵抗器	VR103 VOLUME			
	HS 41 17 30	〃	B30kΩx2	〃	VR107,108 TREBEL, BASS			
	HS 41 17 40	〃	MN250kΩ	〃	VR102 BALANCE			
	HS 41 17 50	〃	B100kΩx2	〃	VR101 LOUDNESS			
	HT 37 03 70	Pre-Set Potentiometer	B5kΩ	半固定抵抗	VR105,106			
	iC 23 20 40	Transistor	2SC2320 (F)	トランジスタ	TR101,102			
	iC 26 03 10	〃	2SC2603 (E,F)	〃	TR110~112			
		〃	2SC3312 (R,S,T)	〃	Replaced by 2SC2603			
	iX 60 12 80	〃	2SA1104 (O,P,Y)	〃	TR105,106			
	iX 60 12 90	〃	2SC2579 (O,P,Y)	〃	TR103,104			
	iF 00 30 30	Zener Diode	HZ16-3L	ツェナーダイオード	D103,104			
	iF 00 00 40	Diode	1S1555	ダイオード	D107 } Inter-			
	iF 00 06 70	〃	1S2473	〃	〃 } changeable			
	iF 00 42 70	LED (Red)	SLR-55URC3H	LED	D108~113			
	iH 00 10 30	Diode Bridge	3D4B41	ダイオードブリッジ	D102			
	iG 06 71 00	IC	μPC1225H	IC	IC103,104			
	iG 08 52 00	〃	AN6557	〃	IC101 }			
	iG 08 02 00	〃	NJM2043S	〃	〃 } Inter-			
	iG 09 20 00	〃	M5220L	〃	〃 } changeable			
	KA 80 32 10	Push Switch	TV-3	プッシュスイッチ	SW101 POWER		J,R,U,C	
	KA 80 33 30	〃		〃	SW102 INPUT			
	KA 80 34 90	〃		〃	SW103 SPEAKER			
	KB 00 03 60	Fuse	T3.0A 250V	ヒューズ	F103		J,R	⚠
	KB 00 18 80	〃	3.0A 250V	〃	F103		U,C	⚠
	KC 00 19 40	Relay	DH2TU24DC	リレー	RY101			
	LB 30 17 10	Head Phone Jack	GY	ホーンジャック	Silver			
	LB 30 17 20	〃	BL	〃	Black			
	LB 40 11 00	Pin Jack	4P	ピンジャック	PJ101			
	LB 40 10 70	〃	4P	〃	PJ102,103			
	LA 00 23 20	Lapping Terminal	P=7.5 3P i-Type	i 型ラッピング端子板				
	BB 06 83 70	Metal, Earth		アース金具				
	LA 00 42 50	Push Terminal	8P	プッシュターミナル				
	LB 20 18 80	Pin, Fuse Holder		ヒューズホルダーピン			J,R,U,C	
	LB 60 42 80	AC Outlet	3P	ACアウトレット			J,R,U,C	
	LA 00 23 90	Lapping Terminal	P=7.5 2P L-Type	L 型ラッピング端子板			J.R.U,C	
	BA 08 44 50	Heat Sink		放熱板		A-300		
	Ei 03 00 66	Binding Head Tapping Screw	3x6 ZMC2-Y	バインドタッピングネジ	PACK			

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■EXPLODED VIEW

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■MECHANISM PARTS

	Ref. No.	Part No.	Description		部品名	Remarks	Common Model	Markets	ランク	
※	1	NB 62 19 90	Front Panel Unit		パネルユニット	Silver				
※	〃	NB 62 20 00	〃		〃	Black				
	1-1	CB 61 03 50	Isolation Rubber		防振ゴム		T-10,20			
※	1-2	CB 63 33 50	Anti-Vibration Rubber		防振テープ					
※	2	NA 08 51 30	Main Circuit Board		メインシート	Silver		J		
※	〃	NA 08 51 40	〃		〃	Black		J		
※	〃	NA 08 51 70	〃			Silver		R		
※	〃	NA 08 51 80	〃		〃	Black		R		
※	〃	NA 08 52 10	〃		〃	Silver		U, C		
※	〃	NA 08 52 20	〃		〃	Black		U, C		
※	〃	NA 08 52 50	〃		〃	Silver		A, B		
※	〃	NA 08 52 60	〃		〃	Black		A, B		
※	〃	NA 08 52 90	〃		〃	Silver		G		
※	〃	NA 08 53 00	〃		〃	Black		G		
	3	KA 80 32 10	Push Switch	TV-3	プッシュスイッチ			A, G, B		⚠
	4	Fi 38 41 00	Ceramic Cap	0.01μF	セラコン			A, G, B		⚠
	5	CB 09 52 60	Cover For Cap		コンデンサーカバー			A, G, B		
※	6	GA 68 13 00	Power Transformer		電源トランス		A-320	R		⚠
※	〃	GA 68 10 00	〃		〃		〃	U, C		⚠
※	〃	GA 68 11 00	〃		〃		〃	G		⚠
※	〃	GA 68 12 00	〃		〃		〃	A, B		⚠
※	〃	GA 68 09 00	〃		〃		〃	J		⚠
	7	LB 20 14 80	Voltage Selector		電圧切換器			R		⚠
	8	CB 62 01 90	Cord Stopper	CM-22B	コードストッパー		CD-1	R,A,G,B		
	〃	CB 62 02 00	〃	CM-22C	〃		〃	U, C		
	〃	CB 61 68 10	〃	CM-22A	〃		A-500	J		
	9	iL 00 05 70	Insulation Base	MT-100	マイカベース					
	10	KB 00 03 40	Fuse	T1.5A 250V	ヒューズ			R, A		⚠
	〃	KB 00 07 30	〃	T1.0A 250V	〃			G, B		⚠
	11	LA 00 29 50	Terminal	2P	2P中継端子台			A, G, B		
	12	LB 20 13 00	Fuse Holder		ヒューズホルダー			R, A		
	〃	LB 20 21 10	〃		〃			G, B		
	13	MG 00 09 20	Power Cord	7.5A 250V 2.5m	電源コード	Inter-changeable		A		⚠
	〃	MG 00 14 90	〃	7.5A 250V 2.5m	〃			A		⚠
	〃	MG 00 09 60	〃	2.5A 250V 2m	〃	Inter-changeable		G		⚠
	〃	MG 00 16 20	〃	2.5A 250V 2m	〃			G		⚠
	〃	MG 00 14 50	〃	10A 125V 1.98m	〃	Inter-changeable		U, C		⚠
	〃	MG 00 14 60	〃	10A 125V 2m	〃			U, C		⚠
	〃	MG 00 16 30	〃	6A 250V 2m	〃			R		⚠
	〃	MG 00 18 60	〃	2.5A 250V 2m	〃			B		⚠
	〃	MG 00 17 50	〃	7A 125V 2.2m	〃	Inter-changeable		J		⚠
	〃	MG 00 17 60	〃	7A 125V 2.2m	〃			J		⚠
	14	AA 61 31 60	Top Cover		トップカバー	Silver	A-300S			
	〃	AA 61 37 70	〃		〃	Black	A-300B			
※	15	AA 62 29 10	Rear Panel		リアパネル			R		
※	〃	AA 62 29 20	〃		〃			U, C		
※	〃	AA 62 29 30	〃		〃			A, B		
※	〃	AA 62 29 40	〃		〃			G		
	16	AA 60 66 90	Bottom Cover		ボトムカバー		A-560			
	17	BA 08 39 30	Radiator		放熱板		A-300			
	18	BA 08 78 70	Knob		ツマミ	Silver VOLUME				
	〃	BA 08 94 50	〃		〃	Black 〃		A-05B		
※	19	CB 63 30 30	〃		〃	Silver TONE CONTROL, BALANCE				

※New Parts（新規部品）

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	Ref. No.	Part No.	Description		部品名	Remarks	Common Model	Markets	ランク
※	19	CB 63 30 40	Knob		ツマミ	Black TONE CONTROL, BALANCE			
※	20	CB 63 30 50	〃		〃	Silver LOUNDNESS			
※	〃	CB 63 30 60	〃		〃	Black 〃			
	21	CB 61 03 90	Leg		脚		K-200		
	22	CB 62 51 70	Button		ボタン	Silver POWER	K-320		
	〃	CB 62 51 80	〃		〃	Black 〃	K-320B		
※	23	CB 63 29 40	Button Rod (P)		P ボタンロッド				
	24	CB 06 88 80	Plastic Rivet		プラスチックリベット			R	
	25	CB 60 29 70	〃		〃		K-960		
	26	CB 09 98 30	P.C. Support		PC サポート		A-760		
	27	CB 61 59 10	Spacer		スペーサー		A-15		
	28	CB 61 03 50	Isolation Rubber		防振ゴム		T-10,20		
	29	E i 03 00 86	Binding Head Tapping Screw	3x8 ZMC2-Y	バインドタッピングネジ	PACK			
	30	E i 03 01 26	〃	3x12 ZMC2-Y	〃	PACK			
	31	ED 03 00 66	Binding Head Screw	3x6 ZMC2-Y	バインド小ネジ	PACK			
	32	E i 04 00 86	Binding Head Tapping Screw	4x8 ZMC2-Y	バインドタッピングネジ	PACK			
	33	EK 13 00 20	B. W. Head Screw	4x8 FNM3-3g	ブレザーヘッド小ネジ	Silver			
	〃	EK 36 50 40	〃	4x8 FCM3-BL	〃	Black			
	34	EZ 00 14 00	Earth Terminal Screw	3x13.5 MFNi- II	アース端子ネジ				
	35	EV 90 13 60	Toothed Locked Washer	o10xo3.6xt 0.8 FNM3-3g	セムス平座金				
	36	EV 42 00 30	〃	B3S ZMC2-Y	歯付座金				
	37	EV 20 00 36	Plain Washer	o3 ZMC2-Y	平座金	PACK			
	38	EV 20 00 46	〃	o4 ZMC2-Y	〃	PACK			
※	39	CB 63 48 10	Spacer		スペーサー				
	40	EV 41 00 36	Toothed Lock Washer	M3 ZMC2-Y	歯付座金	PACK		R	
	41	AA 61 31 70	Side Frame (L)		サイドフレーム(L)				
		CB 06 92 50	Binding Tie	BK-1	インシュロックタイ				

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