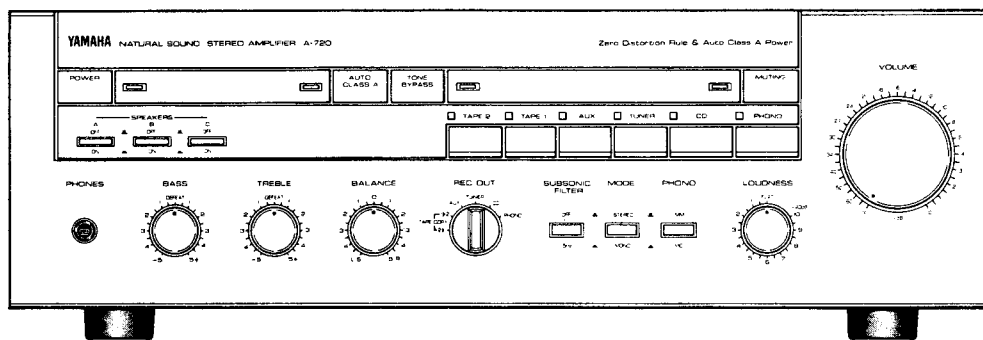


STEREO INTEGRATED AMPLIFIER

A-720

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 inherent 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 capabilities, or establish a principle agent 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.

CONTENTS

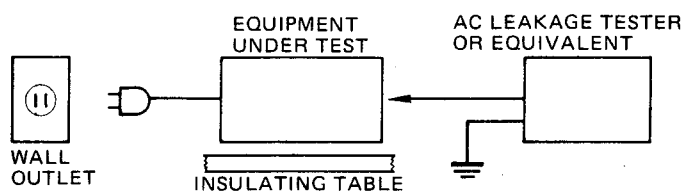
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■ TO SERVICE PERSONNEL

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 120 V 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 0.15 μ F.
 - Leakage current must not exceed 0.5mA.
 - Be sure to test for leakage with the AC plug in both polarities.



■ SPECIFICATIONS

Continuous Power Per Channel		
20Hz ~ 20kHz (0.005% THD. 8 Ω)		105W
(0.007% THD. 6 Ω)		125W
1kHz, IEC Rated Power		
(0.01% THD. 8 Ω)	117W (R)(U)(C)	
	110W (A)(E)	
(0.01% THD. 6 Ω)	143W (R)(U)(C)	
	144W (A)(E)	
DIN Standard Output Power Per Channel		
1kHz (1% THD. 4 Ω)		150W (A)(E)
Dynamic Headroom		
8 Ω		1.4dB
6 Ω		1.58dB
Dynamic Power Per Channel (IHF)		
8 Ω		145W
6 Ω		180W
4 Ω		240W
Power Band Width		
0.03% THD. 52.5W 8 Ω	10Hz ~ 50kHz	
Damping Factor		
1kHz, 8 Ω (SPEAKER A)		45
Input Sensitivity/Impedance		
Phono MC		160 μ V/220 Ω
MM		2.5mV/47k Ω
CD/AUX/TAPE/TUNER		150mV/47k Ω
Input Sensitivity (New IHF)		
Phono MC		16 μ V
MM		0.25mV
CD/AUX/TAPE/TUNER		15mV
Maximum Input Signal		
1kHz, 0.01% THD, Phono MC		10mV
MM		165mV
Output Level/Impedance		
Rec Out		150mV/470 Ω
Headphone Jack Rated Output/Impedance		
0.005% THD		0.83V/8 Ω
Frequency Response		
20Hz ~ 20kHz, CD/AUX/TAPE/TUNER		+0
(TONE BYPASS ON)		-0.5dB
RIAA Equalization Deviation		
20Hz ~ 20kHz, Phono MC		$\pm$ 0.3dB
MM		$\pm$ 0.2dB
Total Harmonic Distortion		
Phono MC to Rec Out 3V		0.006%
MM to Rec Out 3V		0.003%
CD/AUX/TAPE/TUNER to SP Out		0.005%
(52.5W/8 Ω)		
Intermodulation Distortion		
CD/AUX/TAPE/TUNER Rated Output/8 Ω		0.002%
1W/8 Ω		0.003%

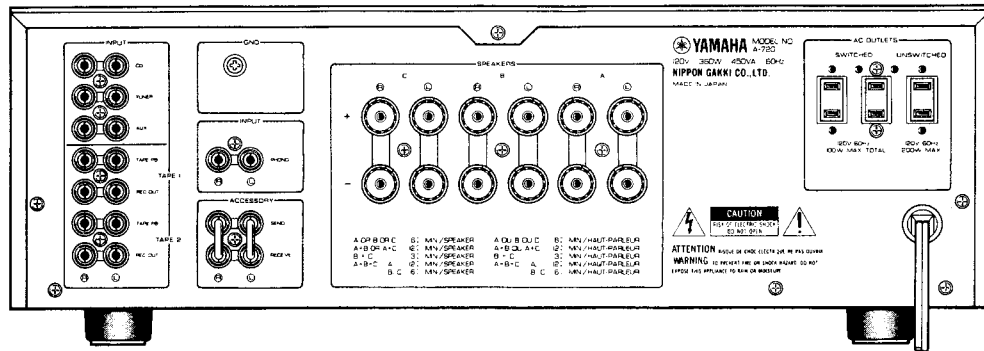
Signal to Noise Ratio (IHF-A-Network)	
Phono MC (500 μ V Input Shorted)	76dB
MM (5mV Input Shorted)	92dB
CD/AUX/TAPE/TUNER	
(Input Shorted, TONE BYPASS ON)	106dB
Signal to Noise Ratio (New IHF)	
Phono MC	74.5dB
MM	78dB
CD/AUX/TAPE/TUNER	85dB
Input Equivalent Noise	
Phono MC	-142dBV (A)(E)
MM	-138dBV (A)(E)
Residual Noise (IHF-A-Network)	
TONE BYPASS ON	133 μ V
Channel Separation	
Phono MM (1kHz, Input Shorted, Vol -30dB)	70dB
CD/AUX/TAPE/TUNER (1kHz, 5.1k Ω , Vol -30dB)	65dB
Tone Control Characteristics	
BASS boost/cut	$\pm$ 10dB (20Hz)
turnover frequency	350Hz
TREBLE boost/cut	$\pm$ 10dB (20kHz)
turnover frequency	3.5kHz
Filter Characteristics	
Low (Subsonic)	15Hz, -12dB/oct
Continuous Loudness Control (Level-related equalization)	
Attenuation	-40dB (1kHz)
Audio Muting	
	-20dB
Gain Tracking Error (0 to -60dB)	
	2dB
Power Supply	
U.S.A. & Canadian models	120V AC, 60Hz
General model	110V/120V/220V/240V AC, 50/60Hz
European model	220V AC, 50Hz
Australian model	220V/240V AC, 50Hz
Power Consumption	
	360W, 450VA (U)(C)
	240W (R)
	360W (A)
	470W (E)
AC Outlet (U)(C)(R)	
Switched x 2	200W max total (R)
	100W max total (U)(C)
Unswitched x 1	200W max
Dimensions (W x H x D)	
	435 x 147 x 399 mm
	(17-1/8" x 5-3/4" x 15-3/4")
Weight	
	10.2 kg (22 lbs 7 oz)

* Specifications are subject to change without notice.

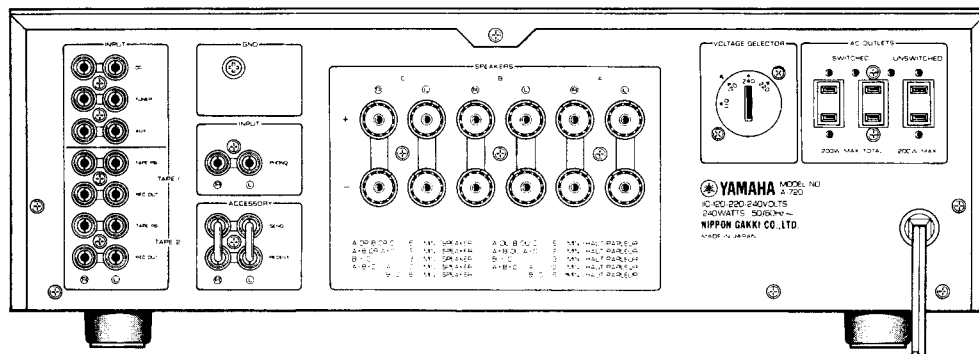
(U) U.S.A. model
 (C) Canadian model
 (A) Australian model
 (E) European model
 (R) General model

REAR PANELS

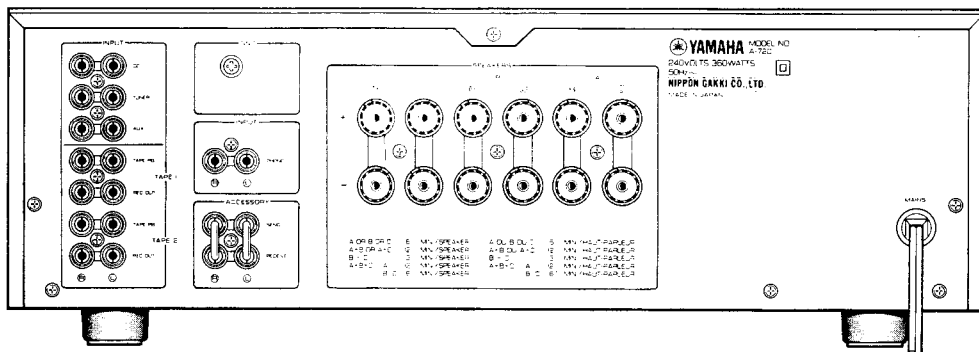
▼ U.S.A. & Canadian models



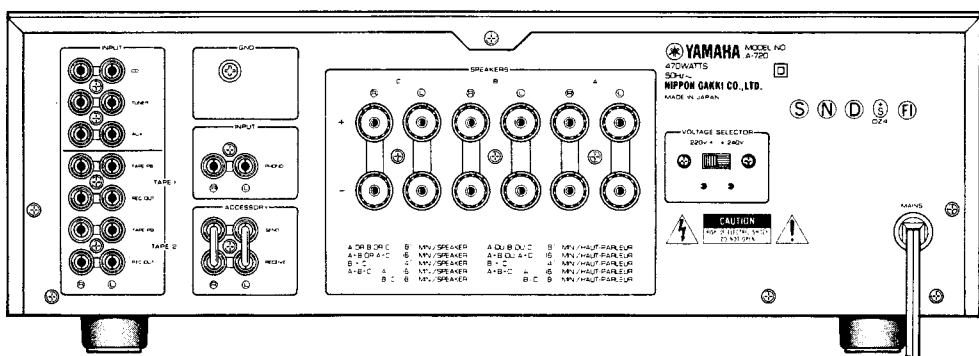
▼ General model



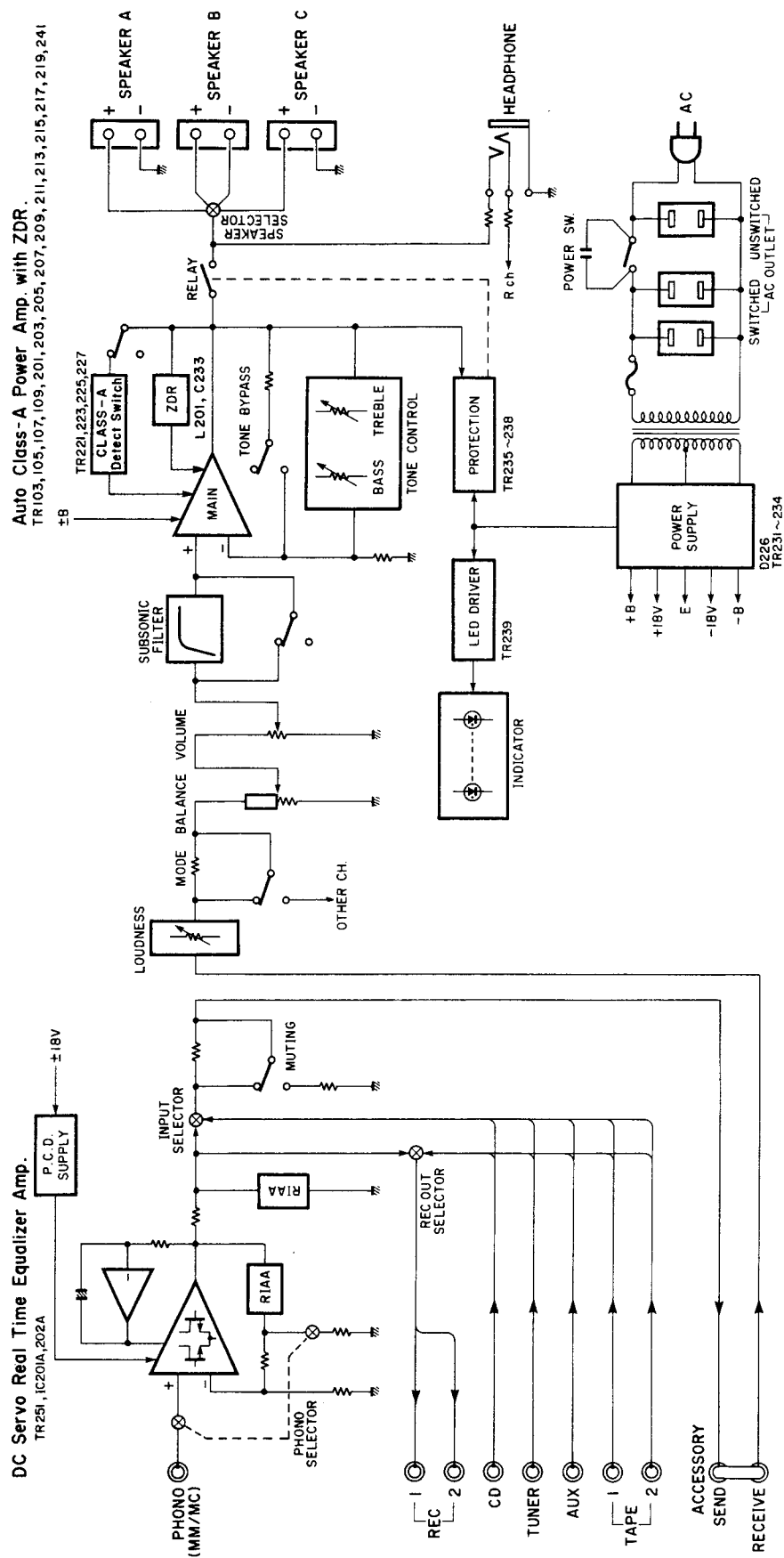
▼ Australian model



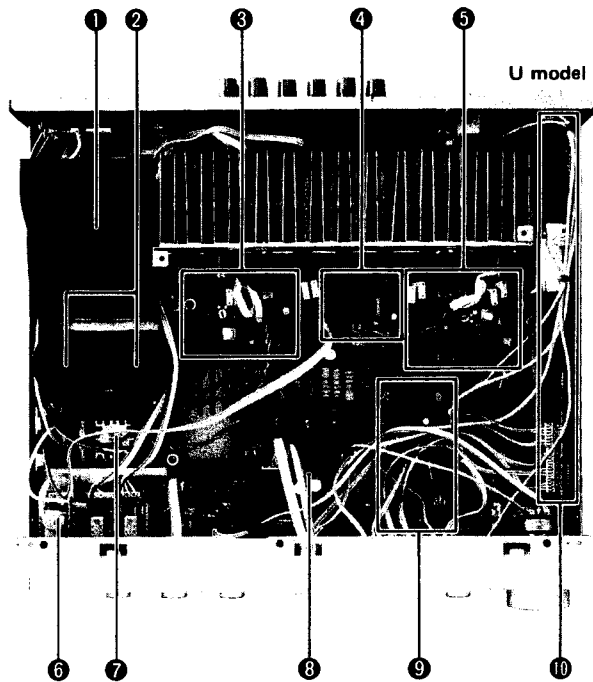
▼ European model



BLOCK DIAGRAM



INTERNAL VIEW



- ① POWER TRANSFORMER
U.S.A. model: GA68350
Canadian model: GA68360
European model: GA68370
Australian model: GA68380
General model: GA68390
- ② ELECTRICAL CAP.: 22000 μ F 69V
- ③ POWER AMP SECTION (Rch)
- ④ PROTECTION SECTION
- ⑤ POWER AMP SECTION (Lch)
- ⑥ POWER SWITCH
- ⑦ DIODE BRIDGE: D5FB20
- ⑧ MAIN CIRCUIT BOARD
- ⑨ EQUALIZER AMP SECTION
- ⑩ FUNCTION CIRCUIT BOARD

DISASSEMBLY PROCEDURES

(Remove parts in disassembly order as numbered.)

1. **Removal of Top Cover**
Remove 5 screws (①) in Fig. 1, and slide the Top Cover back.
2. **Removal of Front Panel**
Remove 6 screws (②) in Fig. 1, and pull the Front Panel forward.
3. **Removal of Bottom Cover**
Remove 6 screws (③) in Fig. 1.

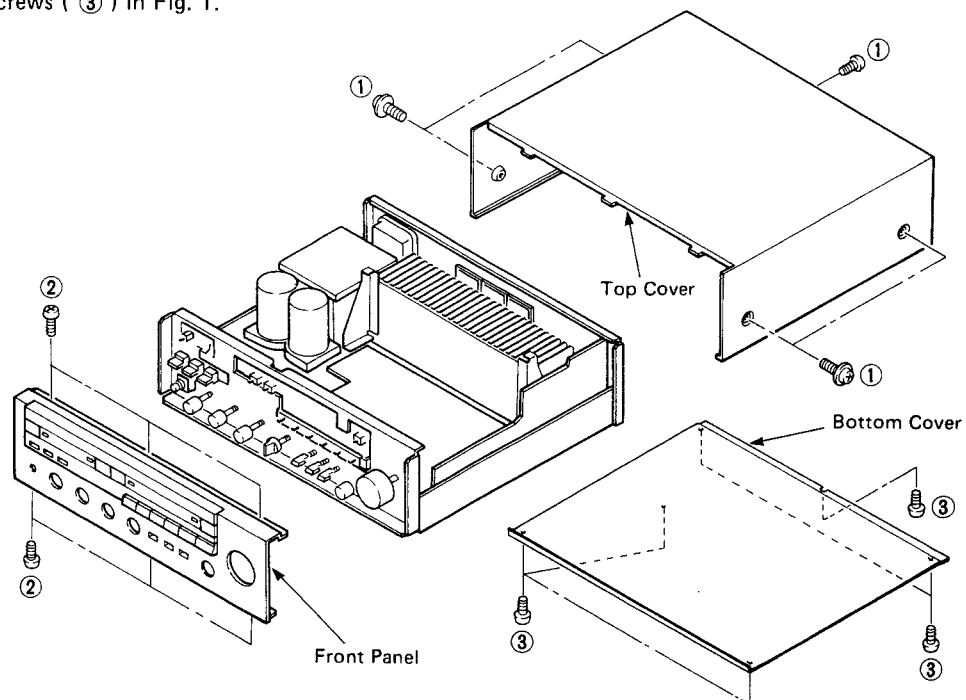


Fig. 1

ADJUSTMENTS

● IDLING CURRENT ADJUSTMENT

After the power has been turned on, age about 2 minutes in no signal and non-loaded condition.
Switch off the AUTO CLASS A switch.
Adjust VR207 (Lch) and VR208 (Rch) so that the voltage across the terminals of R271 (Lch) and R272 (Rch) comes to 5mV ± 1mV DC.

● CONFIRMATION OF AUTO CLASS A OPERATION

After the auto class A has been turned on, age about 1 minute in no signal and non-loaded condition.
Confirm that the voltage across the terminals of R271 (Lch) and R272 (Rch) comes to 60mV ± 30mV DC.

Item to be Adjusted	Test Points	Adjustment Points	Rating
Idling Current	Lch: Across the terminals of R271 Rch: Across the terminals of R272	VR207 (Lch) VR208 (Rch)	5mV ± 1mV DC .
AUTO CLASS A OPERATION		—	60mV ± 30mV DC.

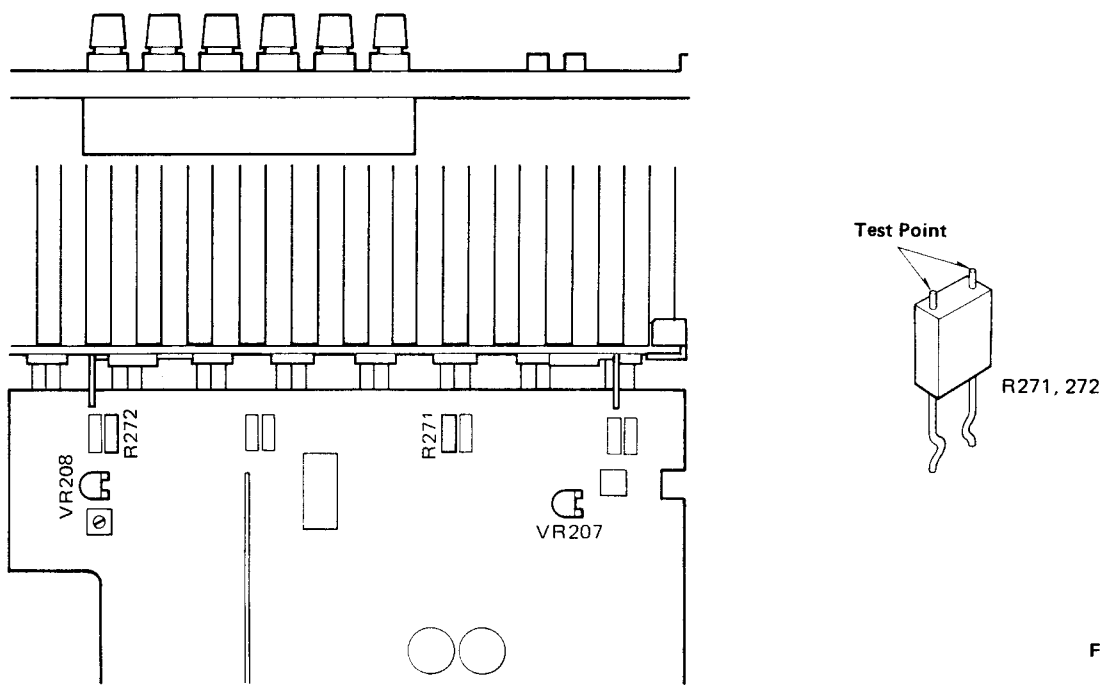
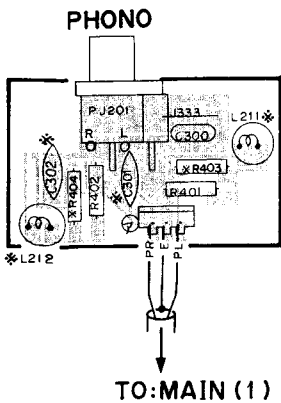


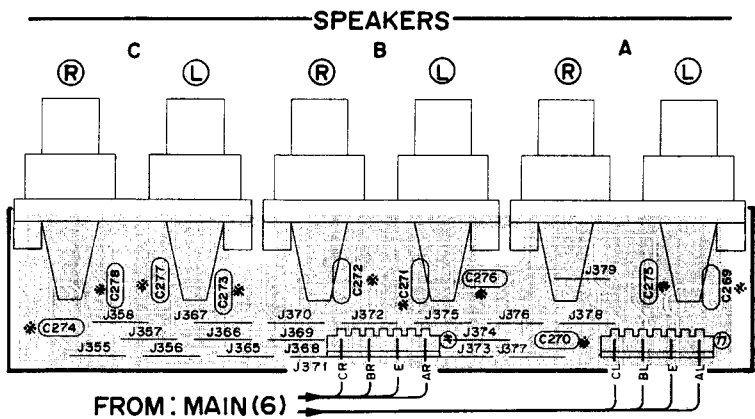
Fig. 2

PRINTED CIRCUIT BOARD (Pattern side)

Main Circuit Board (4)



Main Circuit Board (7)



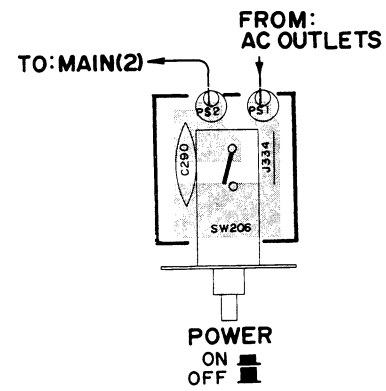
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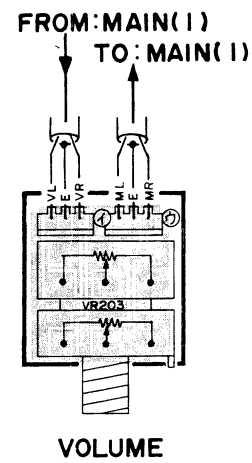
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A-720

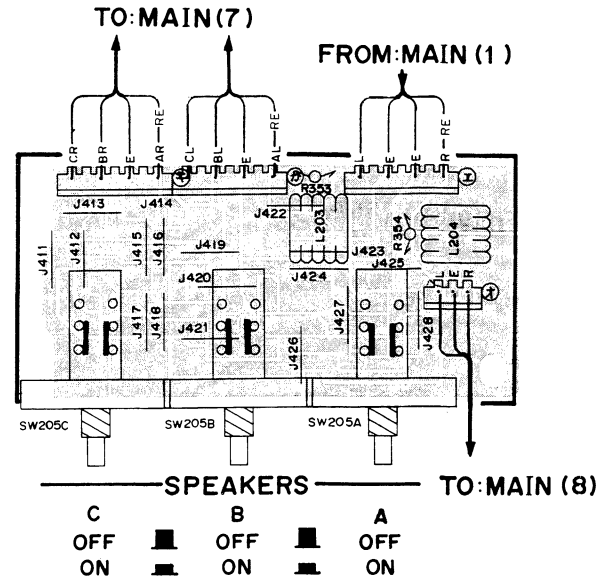
Main Circuit Board (3)



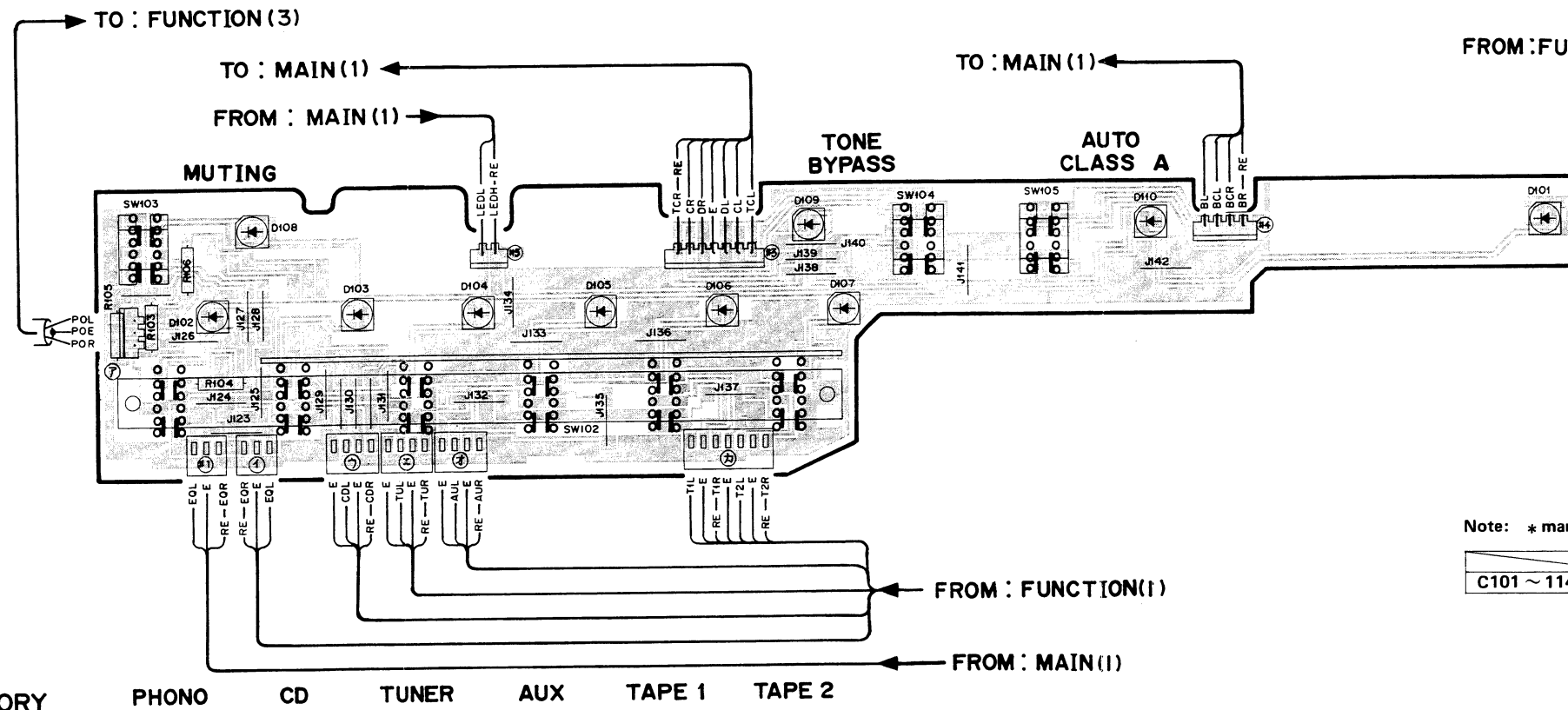
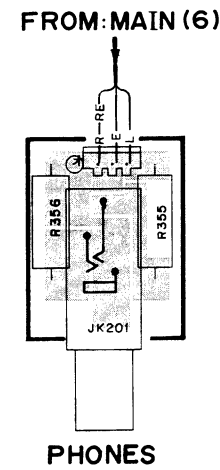
Main Circuit Board (5)



Main Circuit Board (6)

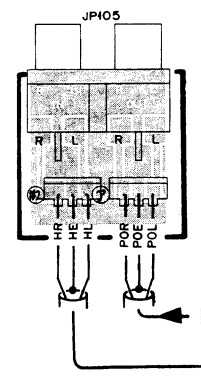


Main Circuit Board (8)

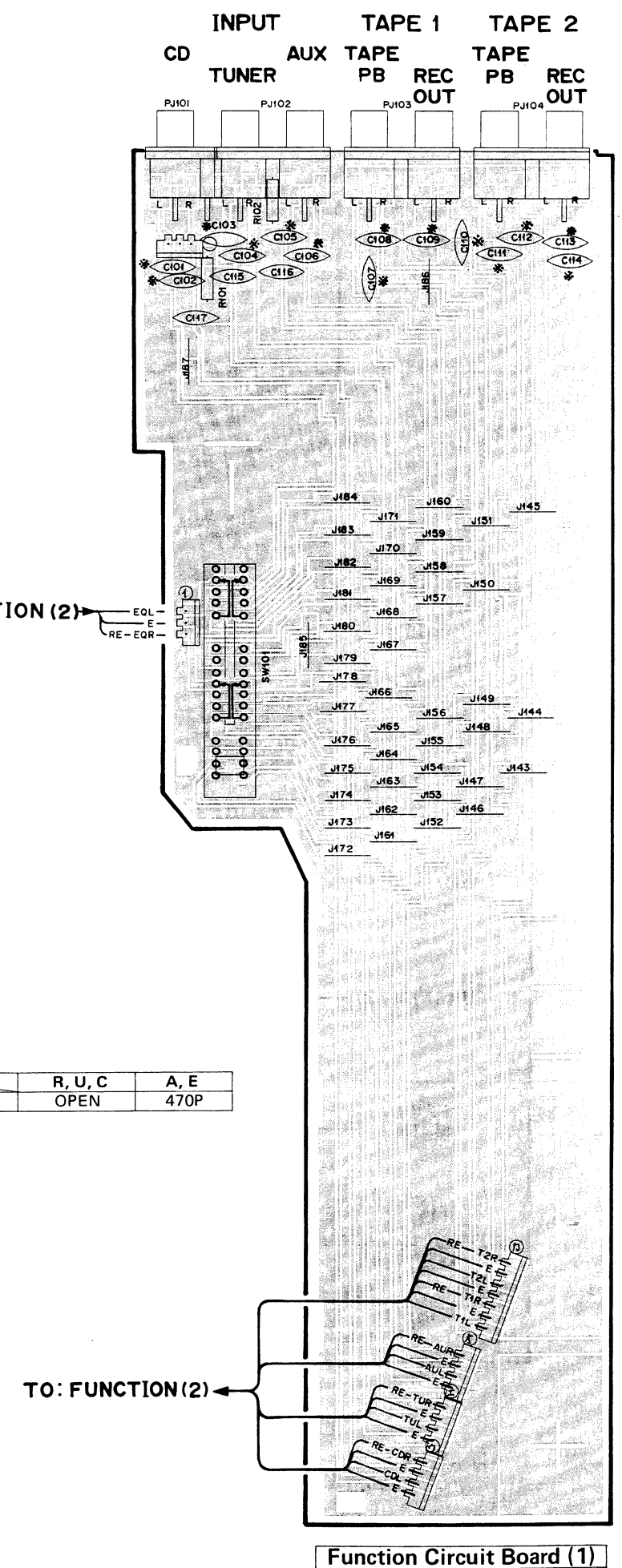
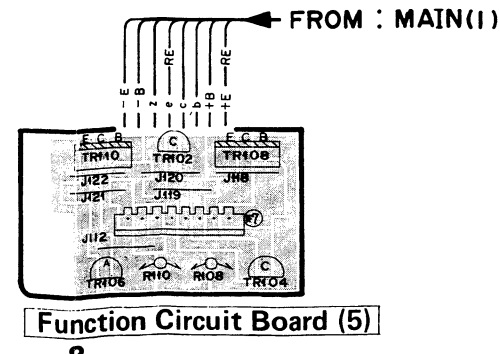
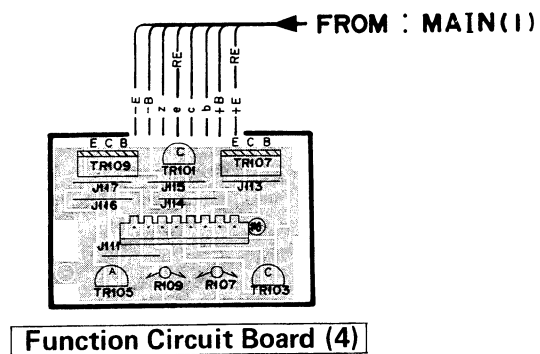


Note: * marked

	R, U, C	A, E
C101 ~ 114	OPEN	470P

ACCESSORY
SEND
RECEIVE

Function Circuit Board (3)

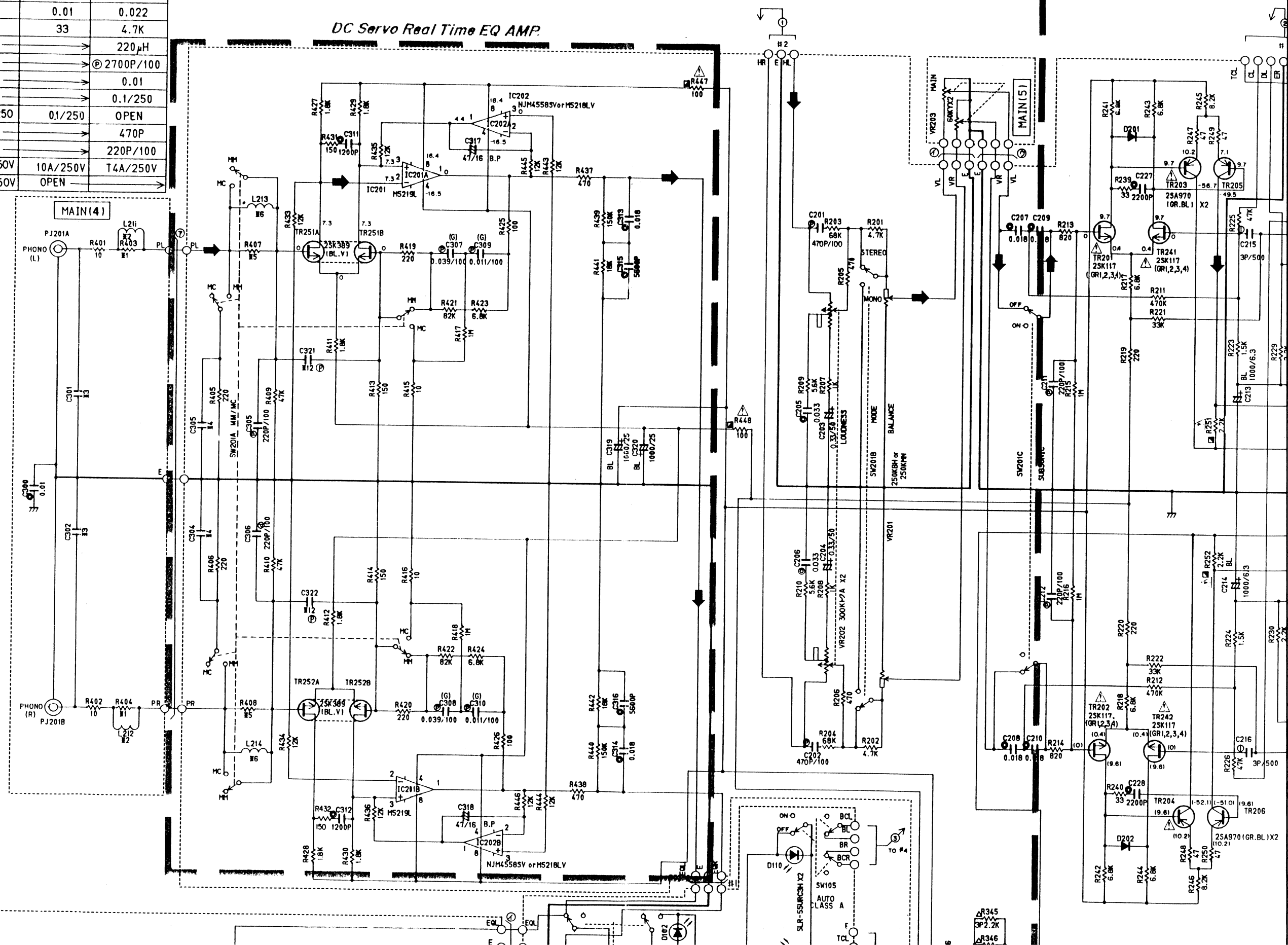


■ SCHEMATIC DIAGRAM

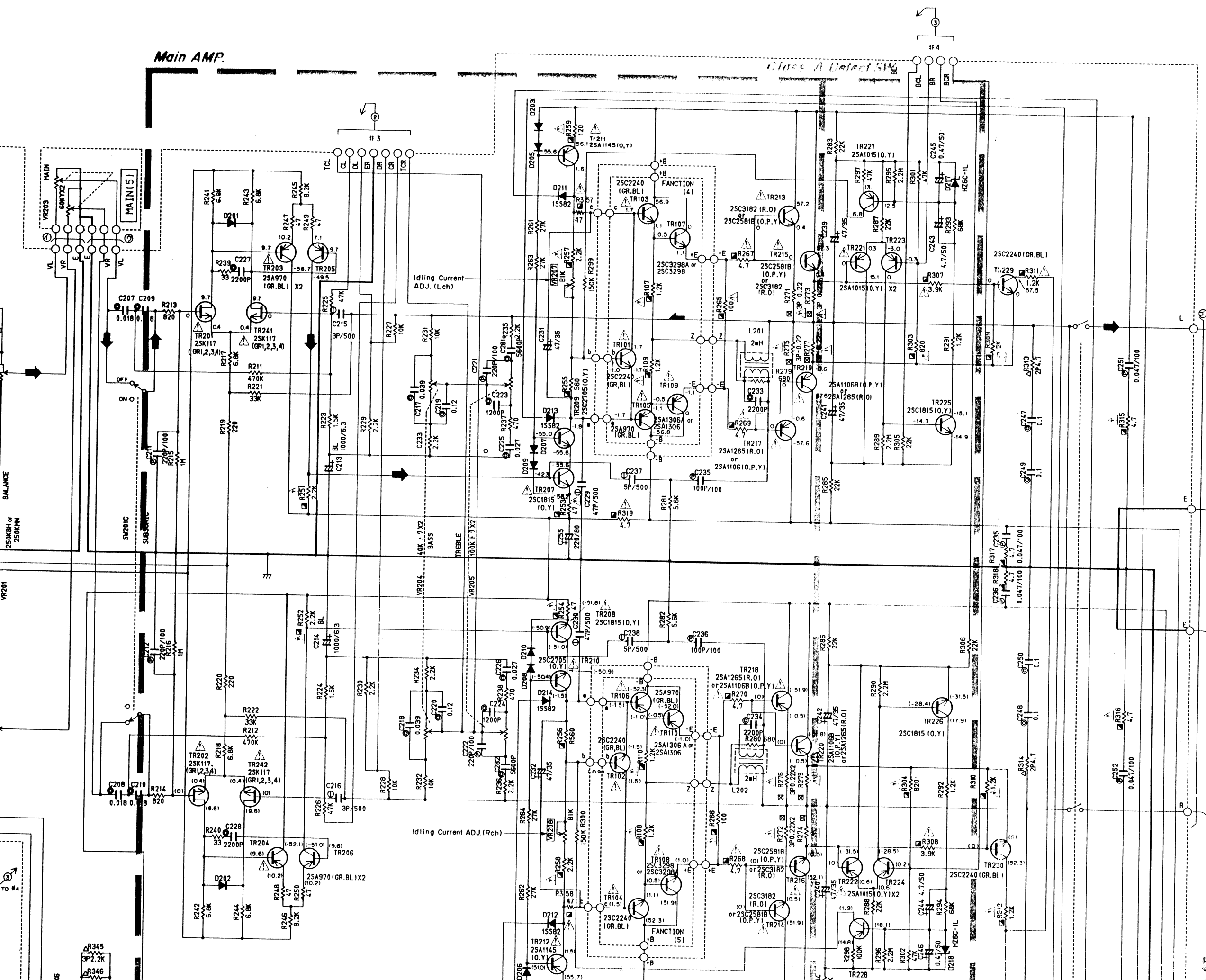
	R	U C R	A E
1 R403,404	SHORT	SHORT	1.2K
2 L211,212	OPEN		15μH
3 C301,302	OPEN		120P
4 C303,304	0.01	0.01	0.022
5 R407,408	33	33	4.7K
6 L213,214	OPEN		220μH
7 C269-274	OPEN		Ⓟ 2700P/100
8 C275-278	OPEN		0.01
9 C267,268,283	OPEN		0.1/250
10 C266	01/250	0.1/250	OPEN
11 C101-114	OPEN		470P
12 C321,322	OPEN		220P/100
13 F201	10A/250V	10A/250V	T4A/250V
14 F202	T5.0A/250V	OPEN	

DC Servo Real Time EQ AMP.

Main AMP.



Main AMP.



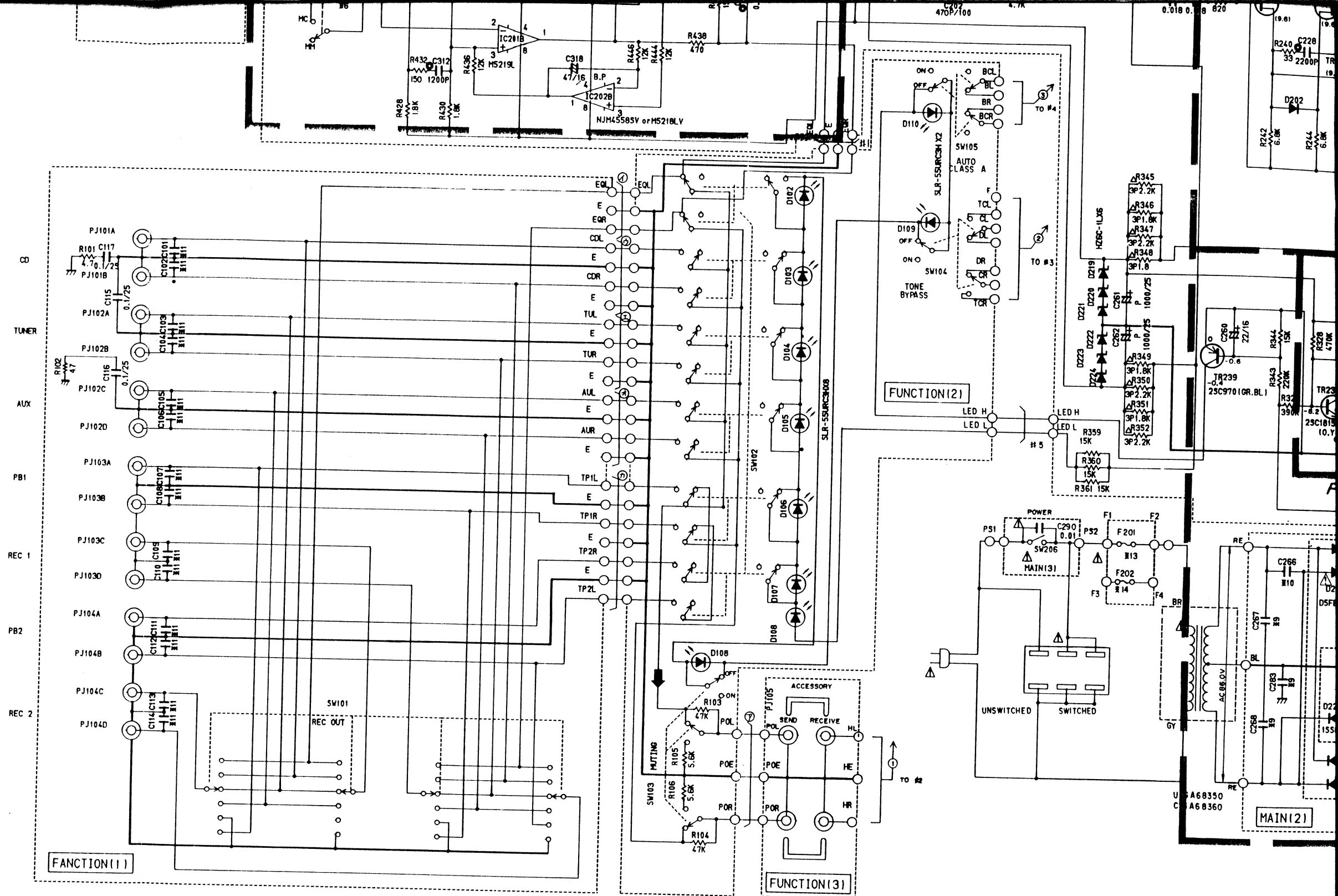
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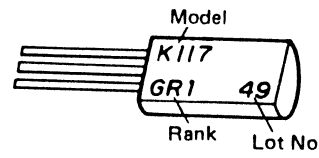
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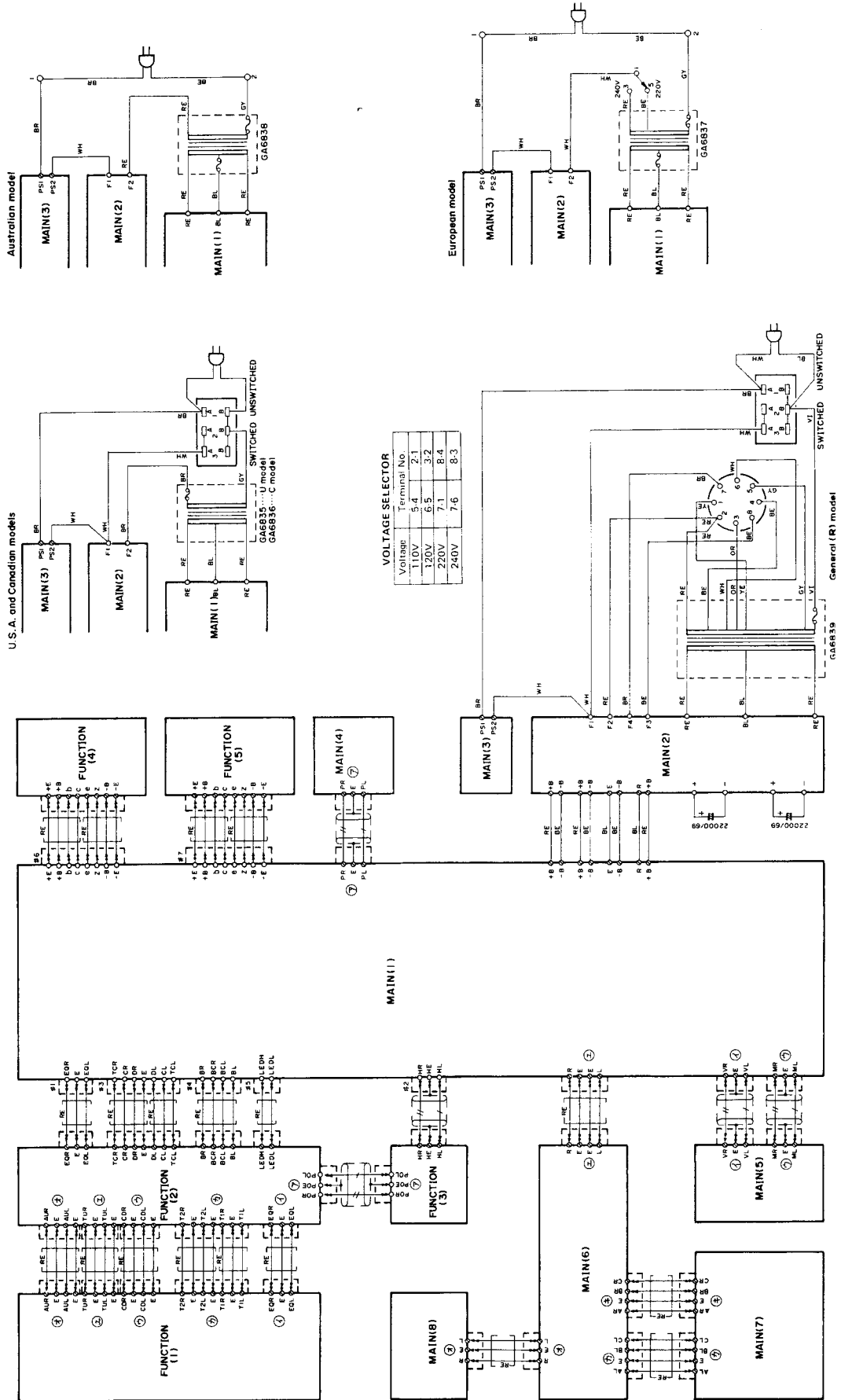


2SC2581B (O, P, Y) 2SC3182 (R, O) 2SA1106B (O, P, Y) 2SA1265 (R, O)	2SA1306A 2SC3298A 2SA1306 2SC3298	2SK389 (BL, V)	2SK117 (GR1, 2, 3, 4)	2SA970 (GR, BL) 2SA1015 (Y) 2SA1145 (O, Y) 2SC1815 (Y) 2SC2240 (GR, BL) 2SC2705 (O, Y)	HZ24-2 1S2473 1S1555 HZ6C-1L 1S582	D5FB20	M5218LV NJM4558S (V) M5219L
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Note: The same rank FETs must be used for TR201, TR202, TR241, FETs are classified into four rank (GR1, GR2, GR3, GR4).



WIRING



PARTS LIST

■ ELECTRICAL PARTS

● Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.

● Carbon resistors of A-720 are 1/4W.

There are no discription about them in this parts list.
Use the "Parts No." HJ35 0000 (1/4W) or equivalent.

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
※	NA 08 70 20	Main Circuit Board	メ イ ン シ ー ト	Silver		R	
※	NA 08 70 30	"	"	Black		R	
※	NA 08 70 40	"	"	Silver		U,C	
※	NA 08 70 50	"	"	Black		U,C	
※	NA 08 70 60	"	"	Silver		A,E	
※	NA 08 70 70	"	"	Black		A,E	
	FC 34 31 20	Mylar Cap.	マ イ ラ ー コ ン	1200pF 50V	C223,224,311,312		
	FC 34 32 20	"	"	2200pF 50V	C227,228,233,234		
	FC 34 35 60	"	"	5600pF 50V	C281,282,315,316		
	FC 34 41 00	"	"	0.01 μ F 50V	C300		
	FC 34 41 00	"	"	0.01 μ F 50V	C275~278	A,E	
	FC 34 41 00	"	"	0.01 μ F 50V	C303,304	R,U,C	
	FC 34 42 20	"	"	0.022 μ F 50V	"	A,E	
	FC 34 41 80	"	"	0.018 μ F 50V	C207~210,313,314		
	FC 34 43 30	"	"	0.033 μ F 50V	C205,206		
	FC 34 42 70	"	"	0.027 μ F 50V	C225,226		
	FC 34 43 90	"	"	0.039 μ F 50V	C217,218		
	FC 36 51 00	"	"	0.1 μ F 50V	C247~250		
※	FC 36 51 20	"	"	0.12 μ F 50V	C219,220		
	FG 21 21 20	Ceramic Cap.	セ ラ コ ン	120pF 50V	C301,302	A,E	
	Fi 38 41 00	"	"	0.01 μ F	C290		Δ
※	FU 35 03 00	Mica Cap.	マ イ カ コ ン	3pF 500V	C215,216		
	FU 35 05 00	"	"	5pF 500V	C237,238		
	FU 35 14 70	"	"	47pF 500V	C229,230		
	FV 44 91 00	Electrolytic Cap.	ケ ミ コ ン	1000 μ F 25V	C261,262		
	FZ 00 46 20	"	"	47 μ F 16V	C317,318		
	FZ 00 46 60	"	"	0.1 μ F 250V	C266	R,U,C	
	FZ 00 46 60	"	"	0.1 μ F 250V	C267,268,283	A,E	
	FZ 00 46 60	"	"	0.1 μ F 250V	C265		
※	FZ 00 72 00	"	"	220 μ F 80V	C255		
	FZ 00 62 70	"	ブラックゲートコン	1000 μ F 6.3V	C213,214		
※	FZ 00 74 10	"	"	1000 μ F 25V	C319,320		
	UT 45 21 00	Polypropylene Film Cap.	ポ リ プ ロ コ ン	100pF 100V	C235,236		
	UT 45 22 20	"	"	220pF 100V	C211,212,221,222,305,306		
	UT 45 22 20	"	"	220pF 100V	C321,322	A,E	
	UT 45 24 70	"	"	470pF 100V	C201,202		
	UT 46 32 70	"	"	2700pF 100V	C269~274	A,E	
	UT 46 41 10	"	"	0.011 μ F 100V	C309,310		
	UT 46 43 90	"	"	0.039 μ F 100V	C307,308		
	UT 46 44 70	"	"	0.047 μ F 100V	C251~254		
	UW 81 81 00	Electrolytic Cap.	ケ ミ コ ン	100 μ F 6.3V	C259		
	UW 83 72 20	"	"	22 μ F 16V	C258,260		
	UW 85 74 70	"	"	47 μ F 35V	C231,232,239~242		
	UW 56 51 00	"	"	0.1 μ F 50V	C256		
	UW 96 54 70	"	"	0.47 μ F 50V	C245,246		
	UW 96 64 70	"	"	4.7 μ F 50V	C243,244,257		
	UJ 16 53 30	"	"	0.33 μ F 50V	C203,204		
	GD 90 06 80	Coil	コ イ ル	0.74 μ H	L203,204		
	GD 90 07 10	ZDR Transformer	Z D R コ イ ル	2mH	L201,202		
	GD 90 07 20	"	"	2mH	"		Inter-changeable
	GE 90 03 30	Choke Coil	チ ョ ー ク コ イ ル	220 μ H	L213,214	A,E	
	GE 90 08 40	"	"	15 μ H	L211,212	A,E	

※ New Parts (新規部品)

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
	HL 82 34 70	Metal Oxide Film Resistor	4.7Ω 2W	酸 金 抵 抗	R313,314		
	HL 72 52 70	"	270Ω 2W	"	R355,356		
	HL 32 58 20	"	820Ω 2W	"	R342		
	HL 33 61 80	"	1.8kΩ 3W	"	R346,348,349,351		
	HL 33 62 20	"	2.2kΩ 3W	"	R345,347,350,352		
	HV 45 34 70	Flame Proof Carbon Resistor	4.7Ω ERD25FV	不 燃 化 カ ー ボ ン 抵 抗	R267~270,315~319		△
	HV 45 41 00	"	10Ω "	"	R353,354		
	HV 45 44 70	"	47Ω "	"	R253,254,357,358		△
	HV 45 51 00	"	100Ω "	"	R265,266,447,448		△
	HV 45 51 20	"	120Ω "	"	R259,260		△
	HV 45 55 60	"	560Ω "	"	R255,256		
	HV 45 58 20	"	820Ω "	"	R303,304		△
	HV 45 61 20	"	1.2kΩ "	"	R309~312		△
	HV 45 61 80	"	1.8kΩ "	"	R320		
	HV 45 62 20	"	2.2kΩ "	"	R251,252,257,258		△
	HV 45 63 90	"	3.9kΩ "	"	R307,308		△
	HZ 00 30 50	Metal Film Resistor	0.22Ω 3W	金 属 板 抵 抗	R271~278		△
	HS 41 24 00	Potentiometer(2-Ganged)	40Kトク×2	可 変 抵 抗 器	VR204		
	HS 41 24 10	"	100Kトク×2	"	VR205		
	HS 31 26 40	"	300KトクA×2	"	VR202		
	HS 31 21 20	Potentiometer	250KBH	"	VR201	Inter-changeable	
	HS 41 19 20	"	250KMW	"	"		
	HS 32 07 00	"	60KY×2	"	VR203	Inter-changeable	
	HS 42 03 40	"	60KY×2	"	"		
	HT 37 03 40	Pre-Set Potentiometer	B1kΩ	半 固 定 抵 抗	VR207,208		
	iA 09 70 00	Transistor	2SA970 (GR,BL)	ト ラ ン ジ ス タ	TR203~206,231,233,239		△
	iA 10 15 20	"	2SA1015 (Y)	"	TR221~224,227,228		△
	iA 11 45 00	"	2SA1145 (O,Y)	"	TR211,212		△
	iC 18 15 20	"	2SC1815 (Y)	"	TR207,208,225,226,235,236,238		△
	iC 22 40 00	"	2SC2240 (GR,BL)	"	TR229,230,232,234,237		
	iC 27 05 00	"	2SC2705 (O,Y)	"	TR209,210		△
	iE 10 34 10	FET	2SK117 (GR1,2,3,4)	F E T	TR201,202,241,242		△
	iE 10 45 10	"	2SK389 (BL,V)	"	TR251,252		
	iF 00 06 70	Diode	IS2473	ダ イ オ ー ド	D201~210,215	Inter-changeable	
	iF 00 00 40	"	IS1555	"	"		
	iF 00 14 00	"	ISS82	"	D211~214,227		
	iF 00 19 40	Zener Diode	HZ24-2	ツェナーダイオード	D225		
	iF 00 15 10	"	HZ6C-1L	"	D217~224		
	iH 00 11 30	Diode	D5FB20	ダイオードブリッジ	D226		△
	iG 08 57 00	IC	M5218L(V)	I C	IC202		
	iG 09 21 00	"	M5219L	"	IC201		
	KA 80 35 20	Push Switch	SLD TV-5	プッシュスイッチ	SW206		△
	KA 80 50 00	"	2-2 NS	"	SW205		
	KA 80 50 40	"		"	SW201		
	KB 00 04 00	Fuse	T5.0A 250V	ヒ ュ ー ズ	F202	R	△
	KB 00 13 90	"	10A 250V	"	F201	U	△
	KB 00 07 90	"	T4.0A 250V	"	"	A	△

* 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
	KB 00 14 90	Push Switch	10A 250V	プッシュスイッチ	F201	R	
	KC 00 19 40	Relay	DH2TU 24VDC	リ レ ー	RY201 } Inter-changeable		
	KC 00 20 00	"	JR2a-DC 24V	"			
	LB 30 17 10	Jack,Head Phone	Gray	ホ ー ン ジ ャ ッ ク	JK201 Silver		
	LB 30 17 20	"	Black	"	" Black		
	LB 20 25 60	Pin Jack	2P	ピ ン ジ ャ ッ ク	PJ201		
	CB 09 52 60	Cover,For Capacitor	SB-0833	コンデンサーカバー		A,E	
	LA 00 21 50	Lapping Terminal	P=10,3Pi-Type	i 型ラッピング端子板			
	LA 00 25 80	"	P=10,2Pi-Type	"			
	LA 00 25 80	"	"	"		R	
	LA 00 54 10	Speaker Terminal	4P	スピーカーターミナル			
	LB 20 10 60	Pin,Fuse Holder	YSH403T	ヒューズホルダーピン		A,E	
	LB 20 19 70	"	23165081	"		R,U,C	
	LB 91 80 20	Base Pin	i-Type 2P	X H ベ ー ス ピ ン I 型			
	LB 91 80 30	"	i-Type 3P	"			
	LB 91 80 40	"	i-Type 4P	"			
	LB 91 80 70	"	i-Type 7P	"			
	LB 91 80 80	"	i-Type 8P	"			
	BB 06 83 70	Metal Ground		ア ー ス 金 具			
	BB 07 04 40	Bus Bar		バ ス バ ー		A-1000	
	BB 07 04 30	"	l=145	"		A-700	
	NA 08 70 80	Funcution Circuit Board		ファンクションシート		A-1020	R,U,C
	NA 08 70 90	"		"		A-1020	A,E
	FG 21 24 70	Ceramic Cap.	470pF 50V	セ ラ コ ン	C101~114		A,E
	FZ 00 41 30	"	0.1μF 25V	半 導 体 セ ラ コ ン	C115~117		
	HV 45 61 20	Flame Proof Carbon Resistor	1.2kΩ ER-D25FV	不 燃 化 カ ー ボ ン 抵 抗	R107~110		
	iA 09 70 00	Transistor	2SA970 (GR,BL)	ト ラ ン ジ ス タ	TR105,106		
	iC 22 40 00	"	2SC2240 (GR,BL)	"	TR101~104		
	iX 60 16 50	"	2SA1306A	"	TR109,110		
	iX 60 16 60	"	2SC3298A	"	TR107,108		
	iF 00 42 70	LED (Red)	SLR-55URC3H	L E D	D101~110		
	KA 80 48 30	Push Switch	4-2NS SEA	プッシュスイッチ	SW102		
	KA 80 48 50	"	"	"	SW103~105		
	KA 90 10 70	Remote Switch		リ モ ー ト ス イ ッ チ	SW101		
	LB 20 22 60	Pin Jack	2P	ピ ン ジ ャ ッ ク	PJ101		
	LB 40 10 30	"	4P	"	PJ102~105		
	BB 07 04 20	Bus Ber	l=100	バ ス バ ー			

※ New Parts (新規部品)

EXPLODED VIEW

1

2

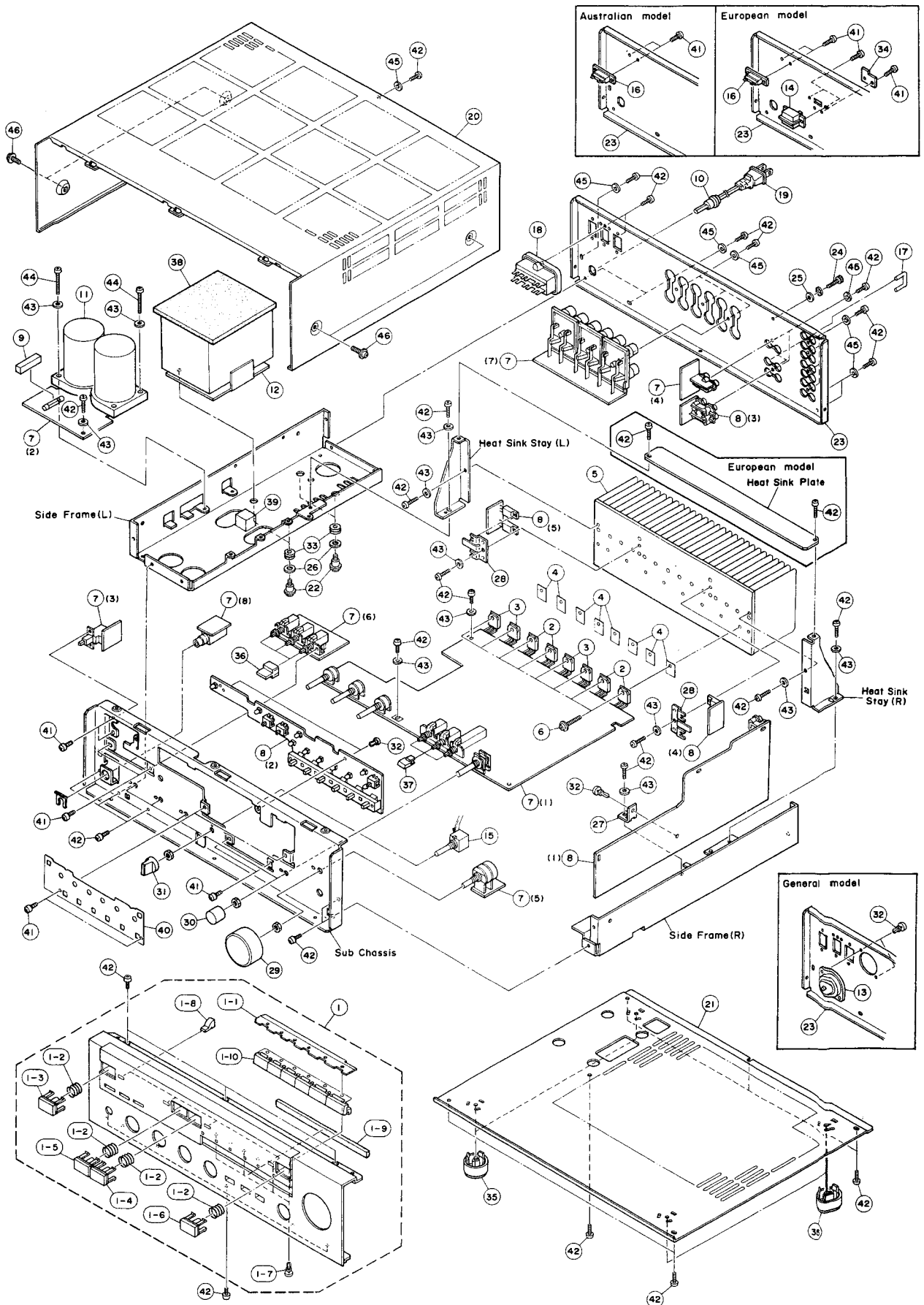
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MECHANISM PARTS

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
※ 1	NB:62:58:00	Panel Unit	パネルユニット	Silver			
※ "	NB:62:58:10	"	"	Black			
1-1	AA:61:78:70	Cover	カバ ー				
1-2	AA:61:78:80	Spring	ス プ リ ン グ				
1-3	CB:63:51:20	Button,P	ボ タ ン	POWER Silver			
"	CB:63:51:30	"	"	" Black			
1-4	CB:63:51:40	Button,T	"	TONE BYPASS Silver			
"	CB:63:51:50	"	"	" Black			
1-5	CB:63:51:60	Button,A	"	AUTO CLASS A Silver			
"	CB:63:51:70	"	"	" Black			
1-6	CB:63:51:80	Button,M	"	MUTING Silver			
"	CB:63:51:90	"	"	" Black			
1-7	CB:06:88:80	Plastic Rivet	プラスチックリベット				
1-8	CB:61:60:20	Lens	レ ン ズ				
1-9	CB:63:52:60		ク ッ シ ョ ン				
1-10	NB:62:27:90	Knob Ass'y	ツ マ ミ Ass'y	Silver			
"	NB:62:28:00	"	"	Black			
※ 2	iX:60:32:40	Transistor	2SA1265(R,O)	ト ラ ン ジ ス タ	TR217~220		
※ 3	iX:60:32:50	"	2SC3182(R,O)	"	TR213~216		
4	iL:00:05:70	Insulation Base	マイカーベース				
5	BA:09:17:70	Heat Sink	放 熱 板				
6	EZ:00:13:50	Cup Screw	3×14 FCM3-BI	カップスクリュー (Bタイト)			
※ 7	NA:08:70:20	Main Circuit Board	メ イ ン シ ー ト	Silver		R	
※ "	NA:08:70:30	"	"	Black		R	
※ "	NA:08:70:40	"	"	Silver		U,C	
※ "	NA:08:70:50	"	"	Black		U,C	
※ "	NA:08:70:60	"	"	Silver		A,E	
※ "	NA:08:70:70	"	"	Black		A,E	
※ 8	NA:08:70:80	Function Circuit Board	ファンクションシート		A-1020	R,U,C	
※ "	NA:08:70:90	"	"		A-1020	A,E	
9	CB:09:95:80	Fuse Holder Cover	SB-0664U	ヒューズホルダーカバー		LA	
10	CB:62:01:90	Cord Stopper	CM-22B	コードストッパー		R,A,E	
"	CB:62:02:00	"	CM-22C	"		U,C	
※ 11	FZ:00:70:20	Electrolitic Cap. Set	22000 μ F 69V	ケミコンセット			
12	GA:68:35:00	Power Transformer		電 源 ト ラ ン ス		U	△
"	GA:68:36:00	"		"		C	△
"	GA:68:37:00	"		"		E	△
"	GA:68:38:00	"		"		A	△
"	GA:68:39:00	"		"		R	△
13	LB:20:14:80	Voltage Selector		電 圧 切 換 器		R	△
14	KA:40:12:60	Slide Switch	SS-12	スライドスイッチ		E	△
※ 15	KA:90:70:50	Remote Rotary Switch	ESA-33	リモートロータリースイッチ			
16	LA:00:29:50	Terminal Board	2P	中 継 端 子 台		A,E	△
17	LB:10:11:10	Plug,Short		ショ ー ト プ ラ グ	Accessory Terminal		
18	LB:60:39:20	AC Outlet	M7026-C	A C ア ウ ト レ ッ ト		R,U	△
※ "	LB:60:81:30	"	M7032-B	"		C	△
19	MG:00:09:20	Power Cord	7.5A 250V 2.5m	電 源 コ ー ド	Interchangeable	A	△
"	MG:00:14:90	"	7.5A 250V 2.5m	"		A	△
"	MG:00:14:50	"	10A 125V1.98m	"	Interchangeable	U	△
"	MG:00:14:60	"	10A 125V 2m	"		U	△
"	MG:00:16:20	"	10A 125V 2m	"		E	△
"	MG:00:16:30	"	6A 250V 2m	"		R	△
※ "	MG:00:22:20	"	10A 125V 2m	"		C	△

* New Parts (新規部品)

[illegible]

※ New Parts (新規部品)

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YAMAHA