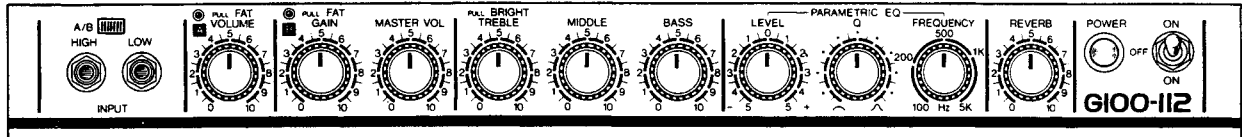


G50-112II, G100-112
 G100-115II, G100-210
 G100-212II

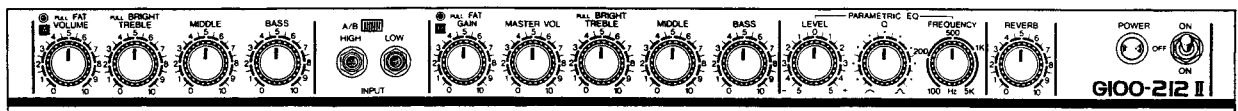
SERVICE MANUAL

FRONT PANEL

G100-112 (G50-112II)



G100-212II (G100-115II, G100-210)

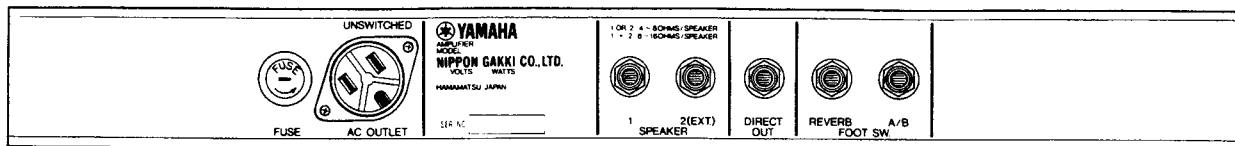


Panel size will vary depending on type of unit. For further details, please refer to specifications.

006413



REAR PANEL



The illustration shows the U.S. and CANADIAN models. Other models are equipped with voltage selectors instead of AC outlets. So be sure to check for desired voltage.

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GENERAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Model	G100-212 II	G100-210	G100-115 II	G100-112	G50-112 II
Output Power	100 Watts RMS @ 10% THD into 4 ohms		100 Watts RMS @ 10% THD into 8 ohms		50 Watts RMS @ 10% THD into 8 ohms
Speaker(s)	2 x JA3066 (30 cm)	2 x JA2515 (25 cm)	1 x JA3802 (38 cm)	1 x JA3062 (30 cm)	1 x JA3066 (30 cm)
Gain (To Speaker Output @ 1kHz, loaded 4 or 8 ohms)	A CHANNEL High : 70 dB Low : 58 dB B CHANNEL High : 84 dB Low : 72 dB				
Input Impedance	High : 1 Megohm Low : 60 kohms				
Noise (All Volume Controls at min.)	-45 dB (4.4 mV)				
Reverb	Accutronics, spring-type				
Direct Output (For 600 ohms unbalanced line)	Nominal : -20 dB (77.5 mV) Maximum : -10 dB (0.25 V)		Nominal : -20 dB (77.5 mV) Maximum : -7 dB (0.35 V)		
Power	U.S. Model	180 W			120 W
	Canadian Model	120V 2A			120V 1.2A
Consumption	Other Models			250 W	160 W
Power Source	120V AC fixed, or 110, 130, 220 or 240V AC selectable, 50/60 Hz				
Dimensions	Width	687 mm	634 mm		530 mm
	Height	560 mm*	410 mm	600 mm*	450 mm
	Depth	280 mm	270 mm	280 mm	270 mm
Net Weight	28 kg	23 kg	31 kg	21 kg	18 kg
Standard Accessory	Foot Switch (FS-2)				

In above specifications, when dB represents a specific voltage, 0 dB is referenced to 0.775V RMS.

* Height includes detachable castors.

LOUDSPEAKER SPECIFICATIONS

Speaker	System	Cone Diameter	Nominal Impedance (Ω)	Sensitivity (dB/W,m)	Max. RMS Power (W)	Max. Peak Power (W)
JA2515	G100-210	10" (25 cm)	8	96	60	180
JA3066	G100-212II G50-112 II	12" (30 cm)	8	96	60	180
JA3062	G100-112	12" (30 cm)	8	99	100	300
JA3802	G100-115II	15" (38 cm)	8	102	120	360

Specifications subject to change without notice.

ADJUSTMENTS AND PERFORMANCE CHECKS

Measuring Instruments

- The impedance of the oscillator shall be no more than $1k\Omega$.
- The impedance of such instruments, as the oscilloscope and AC Voltmeter/dB meter shall be $100K\Omega$ or more.

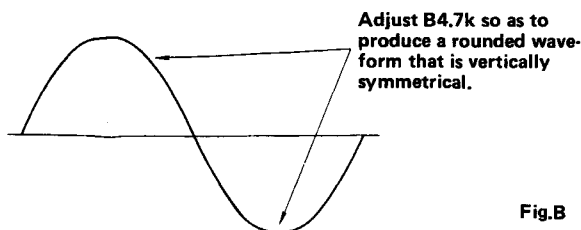
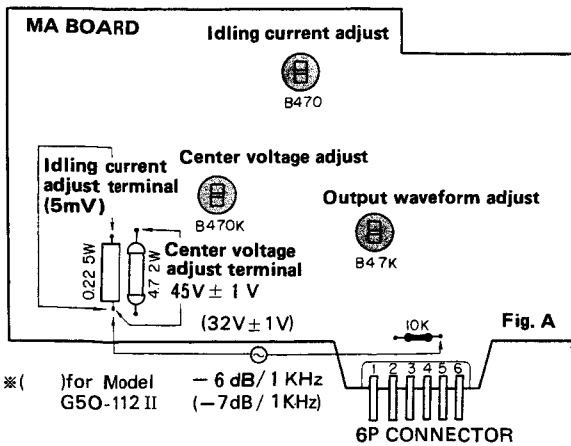
MA BOARD Adjustment

1. Adjust the B470k and B4.7k pots to somewhere around the middle.
2. With the unit in the condition of Table 1, apply a $-6dB/1kHz$ signal (or a $-7dB/1kHz$ signal for Model G50-112II) between the 6P connector pin ③ and ① (Fig. A), and adjust the B4.7k pot so as to produce a rounded waveform that is vertically symmetrical. (Load resistance : 8 ohms)
3. With the unit in the condition of Table 1, adjust the B470k pot so that the center voltage (measured at the 6P connector pin ⑤) of the output circuit will be $45\pm 1V$ (or $32\pm 1V$ for Model G50-112II).

NOTE: By performing adjustments 2 and 3 alternately, adjust the MA circuit board to the optimum condition. Adjustments are to be performed as swiftly as possible.

Idling Current Adjustment

With the unit in a no-signal condition, adjust the B470 pot so as to bring the voltage between the 6P connector pin ④ and ① (0.22Ω at both ends) to $5mV$.



After completing the above adjustments (performed on a circuit board basis), proceed to performance checks.

● Prior to Performing Adjustments

- Set each control as shown in Table 1.
- Apply the signal to HIGH INPUT.
- Connect the load specified in Table 2 to SP OUT.

Table 1

Identification of Controls	Position of Controls
VOLUME	MAXIMUM
GAIN	MAXIMUM
MASTER VOLUME	MAXIMUM
TREBLE	MAXIMUM
MIDDLE	MAXIMUM
BASS	MAXIMUM
LEVEL	CENTER
Q	MINIMUM
FREQUENCY	MINIMUM
REVERB	MINIMUM
FAT SWITCH	OFF
BRIGHT SWITCH	OFF
A/B SWITCH	A ch (■)

Table 2

Model No.	Load Resistance
G50-112II	8Ω
G100-112	8Ω
G100-115II	8Ω
G100-210	4Ω
G100-212II	4Ω

1. GAIN

- With the unit in the condition specified in Tables 1 & 2, feed in the input signal. Outputs as shown in Tables 3 & 4 should be obtained.

Table 3 (G100-112, 115II, 210, 212II)

INPUT	ch. SW	JACK	OUTPUT
$-70dB/1\text{ KHz}$	A	HIGH	$1 \pm 3dBm$
- do. -	A	LOW	$-11 \pm 3dBm$
- do. -	B	HIGH	$14 \pm 3dBm$

Table 4 (G50-112II)

INPUT	ch. SW	JACK	OUTPUT
$-70dB/1\text{ KHz}$	A	HIGH	$1 \pm 3dBm$
- do. -	A	LOW	$-11 \pm 3dBm$
- do. -	B	HIGH	$13 \pm 3dBm$

2. MAXIMUM OUTPUT

- Put the unit in the condition specified in Tables 1 & 2. When the output is 100W (or 50W for Model G50-112II), and the T.H.D. is at 10%, the condition as shown in Table 5 should be satisfied.

Table 5

OUT PUT INPUT	Load (4 ohms)		Load (8 ohms)	
	At 100W output (28.2dBm)	T.H.D. (@ 10%)	At 100W output (31.2dBm)	T.H.D. (@ 10%)
1 KHz	T.H.D.: Less than 10%	140W, or less (29.7dB)	T.H.D.: Less than 10%	140W, or less (32.7dB)

Table 5 (G50-112II)

OUT PUT INPUT	Load (4 ohms)		Load (8 ohms)	
	At 50W output (25.2dBm)	T.H.D. (@ 10%)	At 50W output (28.2dBm)	T.H.D. (@ 10%)
1 KHz	T.H.D.: Less than 10%	70W, or less (26.7dB)	T.H.D.: Less than 10%	70W, or less (29.7dB)

3. FREQUENCY RESPONSE

- Regarding the frequency response of the unit in the condition specified in Tables 1&2, please refer to Fig.1 when the output level for a 1kHz input is set as the reference level(0dB). The tolerance shall be within ± 3 dB, respectively.

Table 6

() for Model G50-112II

Signal Input Level	Channel	Frequency (Hz)		
		70	400	7 K
-70dB	A ch.	-1 \pm 3dB	-8 \pm 3dB	6 \pm 3dB (5 \pm 3dB)
-70dB	B ch.	-1 \pm 3 dB	-8 \pm 3dB	5 \pm 3dB

- For models, G50-112II and G100-112, measurements are to be taken only for the A-ch.

4. TONE CONTROL

- Put the unit in the condition specified in Tables 1 & 2.
- When each tone control knob is turned from maximum to minimum, the output variation should stay within the range specified in Table 7.
- This applies both to the A-ch. and B-ch.

Table 7

Control	INPUT		Variation
	Freq.	Signal	
TREBLE	7 KHz	-70dB	16 \pm 3dB
MIDDLE	400Hz	-70dB	6 \pm 3dB
BASS	70Hz	-70dB	11 \pm 3dB

5. FAT VARIATION CHARACTERISTICS

- Put the unit in the condition specified in Tables 1 & 2.
- When the Fat switch is turned ON and OFF, the output variation should stay within the range specified in Table 8.
- The same applies to the B-ch. as well.

Table 8

INPUT	Variation
-70dB / 400Hz	9 \pm 3dB

6. BRIGHT VARIATION CHARACTERISTICS

- Put the unit in the condition specified in Tables 1 & 2.
- Set the VOLUME and GAIN controls to gradation "5" (center).
- When the BRIGHT switch is turned ON and OFF, the output variations should stay within the range specified in Table 9.
- The same applies to the B-ch. as well.

Table 9

INPUT	Variation
-70dB / 7KHz	11 \pm 3dB

7. VARIATION CHARACTERISTICS OF PARAMETRIC EQ

- With the unit first put in the condition specified in Tables 1 & 2, position the VOLUME control to gradation "5" (Center).
- Set the Q. Frequency control as shown in Table 10.
- For each setting, turn the LEVEL control from maximum to minimum. The output variation should stay within the range specified in Table 10.

Table 10

Condition	INPUT	Variation
Q MIN., F MIN.	-70dB / 650Hz	$\pm 7 \pm 2$ dB
Q MIN., F MAX.	-do.--do.-	$\pm 7 \pm 2$ dB
Q MAX., F MIN.	-do.--do.-	No more than ± 1 dB
Q MAX., F MAX.	-do.--do.-	No more than ± 1 dB
Q MAX., F MIN.	-do.- *90Hz	$\pm 15 \pm 2$ dB
Q MAX., F MAX.	-do.- 5KHz	$\pm 15 \pm 2$ dB

- However, it shall be considered okay if there is a point within the range from 85 to 100Hz (and not necessarily at 90Hz), where the variation can be established.

8. A/B FOOT SWITCH

- ON-OFF operations of the A/B Foot Switch should cause changeover between the A-ch. and B-ch.

9. REVERB FOOT SWITCH

- Put the unit in the condition specified in Tables 1 & 2.
- Turn the REVERB control to maximum.
- Apply a -70dB/1kHz signal to INPUT. When the Foot Switch is turned ON and OFF, it should cause the reverberation-applied sounds to turn ON and OFF.
- It should be noted here that sounds without reverberation are also mixed in.

10. NOISE LEVEL

- Put the unit in the condition specified in Tables 1 & 2.
- No plug should be inserted into INPUT.
- When the unit is set as shown in Table 11, the output level should stay within the range specified in Table 11.
- Change the polarities of the POWER switch, measurement should be taken at the one whose noise level has been found to be lower.

Table 11

Channel	Condition	Variation
A ch	Set the Tables 1 & 2	No more than -32dB
A ch	VOLUME MIN.	No more than -45dB
B ch	Set the Tables 1 & 2	No more than -20dB
B ch	GAIN MIN.	No more than -42dB
B ch	MASTER VOL. MIN.	No more than -45dB

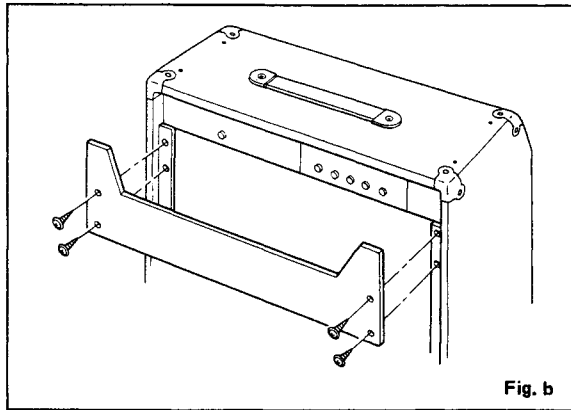
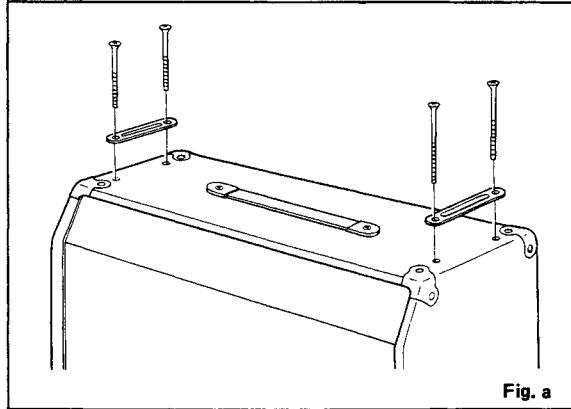
11. DIRECT OUT TERMINAL

- Put the unit in the condition specified in Tables 1 & 2.
- Feed in a 1kHz input signal and adjust it so that the output will be 0dB.
- At the DIRECT OUT terminal, an output of -38±2dB (or -35±2dB for Model G50-112II) should be obtained.

NOTE: When dB represents a specific voltage, 0dB is referenced to 0.775V.

DISMANTLING PROCEDURE

- Remove the screws shown in Figs. a and b. Remove the back panel and the chassis body.



FREQUENCY RESPONSE DIAGRAM G50-112II G100-112

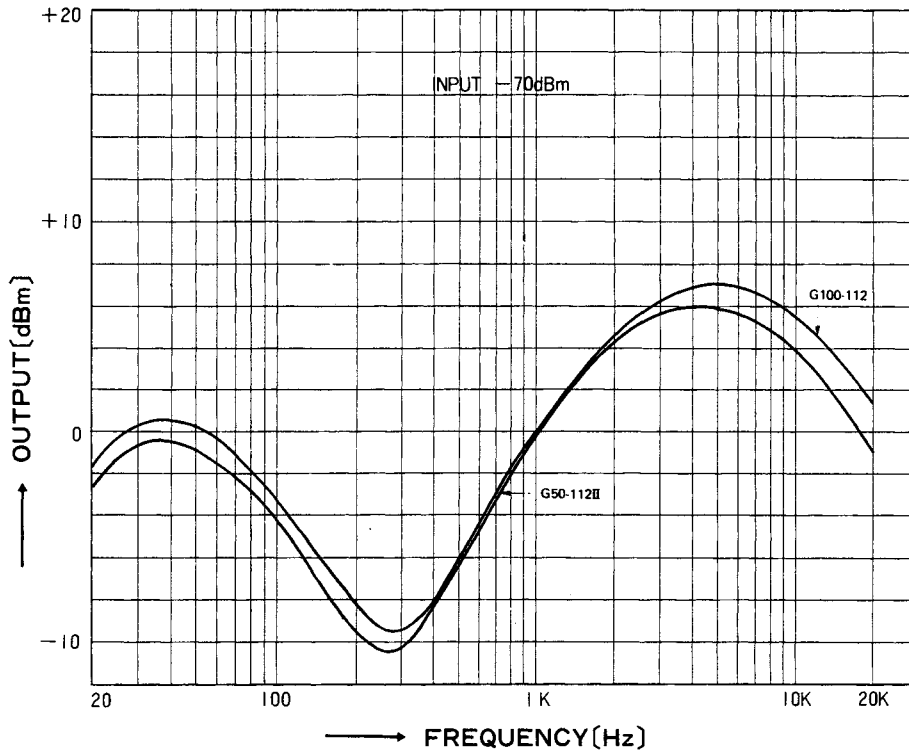


Fig. 1-1

G100-115II G100-210 G100-212II

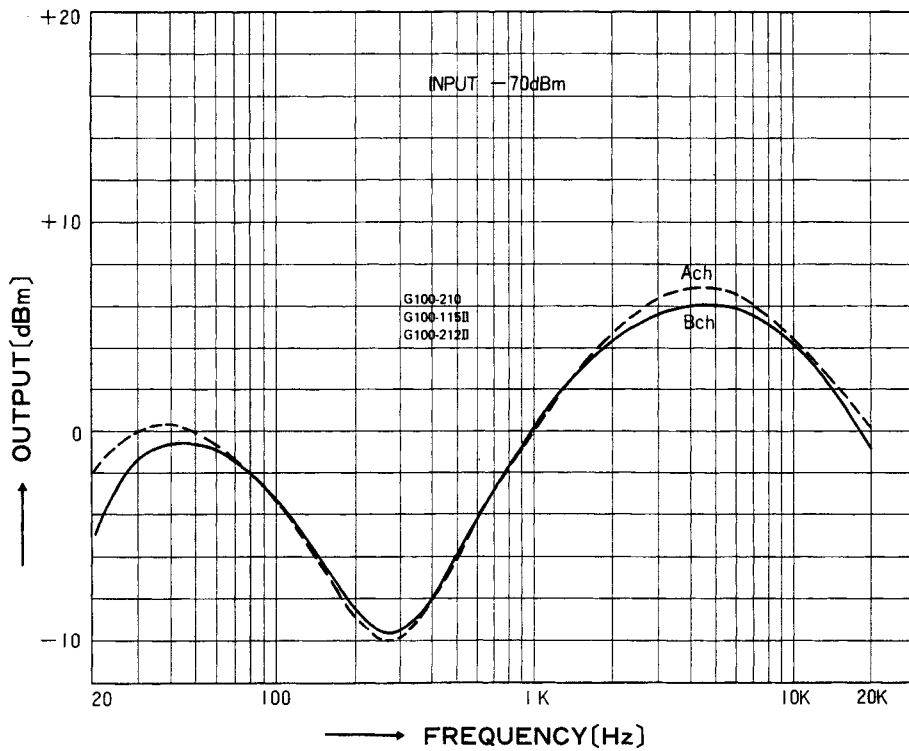
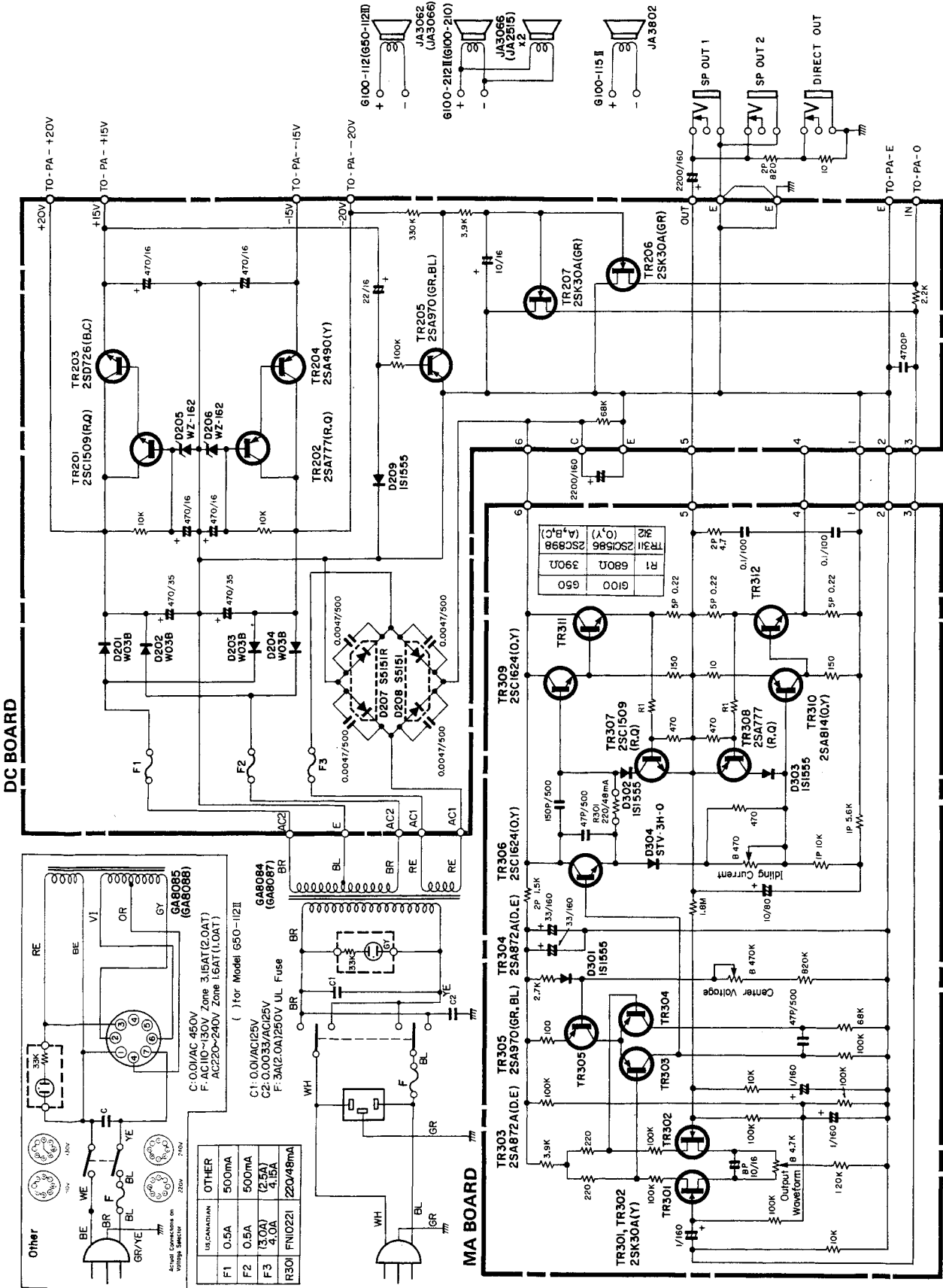


Fig. 1-2

SCHEMATIC DIAGRAM

Power Supply and Main Amplifier Sections

G50-112II, G100-112, G100-115II, G100-210, G100-212II



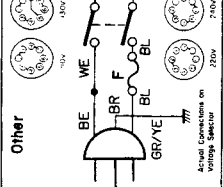
DC BOARD

MA BOARD

US CATALOG	OTHER
F1	500mA
F2	500mA
F3	3.0A
R301	220/48mA

C-0.01/AC 450V
 F-AC110-150V Zone 3.15AT(2.0AT)
 AC220-240V Zone 1.6AT(1.0AT)

() For Model G50-112II
 GAB084 (GAB087)
 C1-0.01/AC125V
 C2-0.0033/AC125V
 F-3A(2.0A)/250V UL Fuse



TR	R	C
TR311	680Ω	2SC1598
TR312	650Ω	2SC1598

TR	R	C
TR309	150Ω	2SC1624(O,Y)
TR310	150Ω	2SC1624(O,Y)

TR	R	C
TR303	100K	25A872A(D,E)
TR304	100K	25A872A(D,E)

TR	R	C
TR301	100K	25A872A(D,E)
TR302	100K	25A872A(D,E)

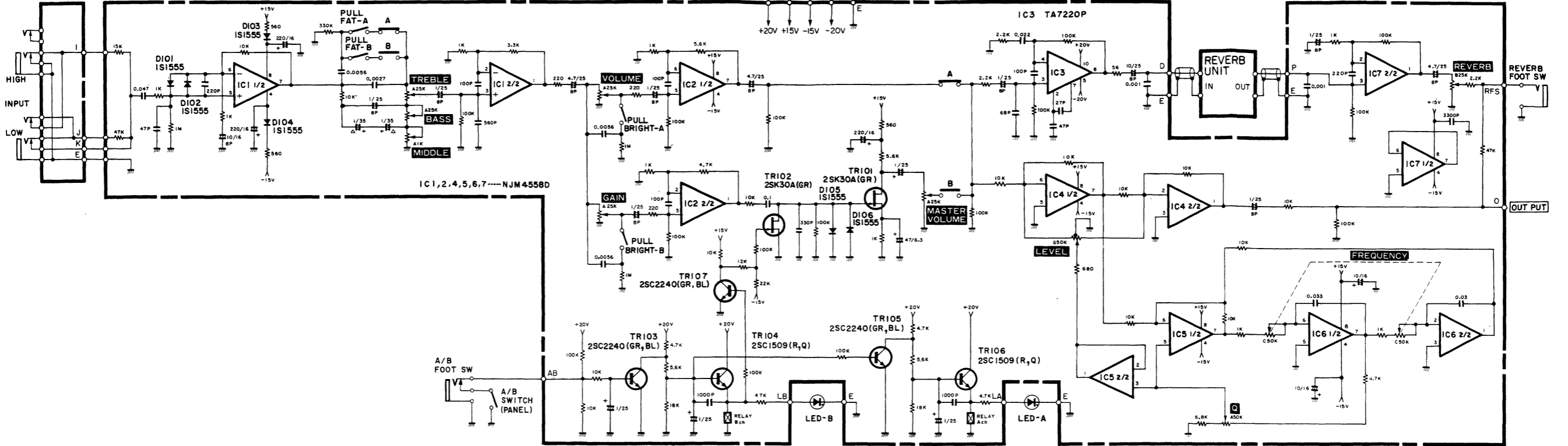
TR	R	C
TR305	100K	25A970(GR,BL)
TR306	100K	25A970(GR,BL)

TR	R	C
TR201	10K	25C1509(R,Q)
TR202	10K	25A777(R,Q)

SCHEMATIC DIAGRAM Preamplifier Section

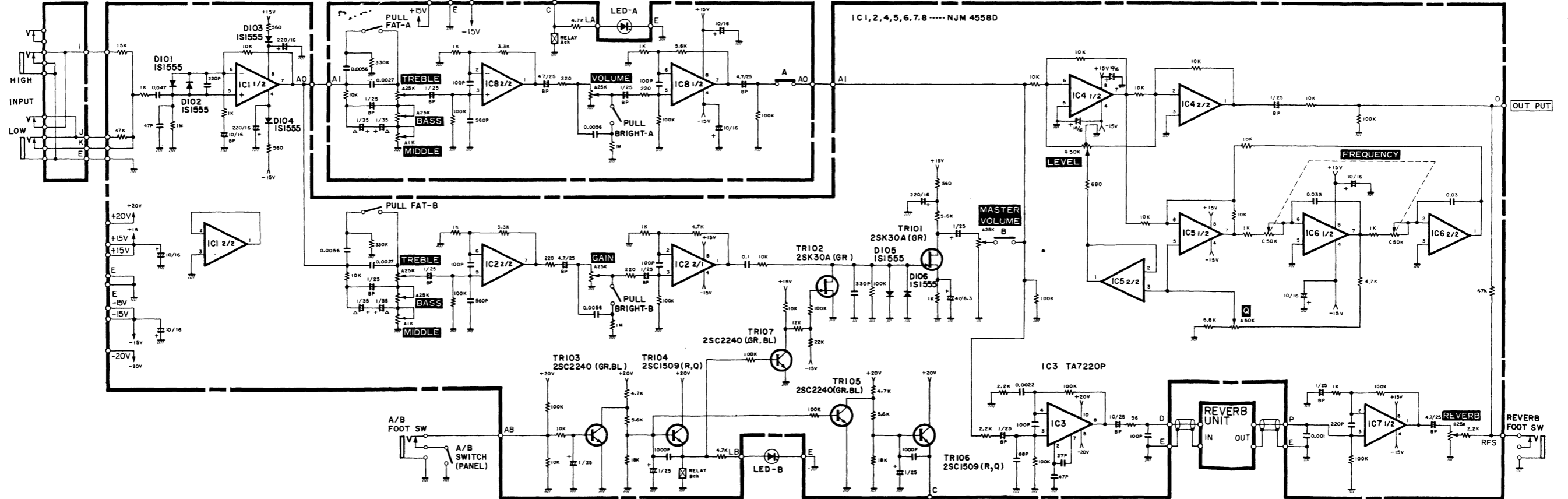
G50-112II, G100-112

JK BOARD PA BOARD



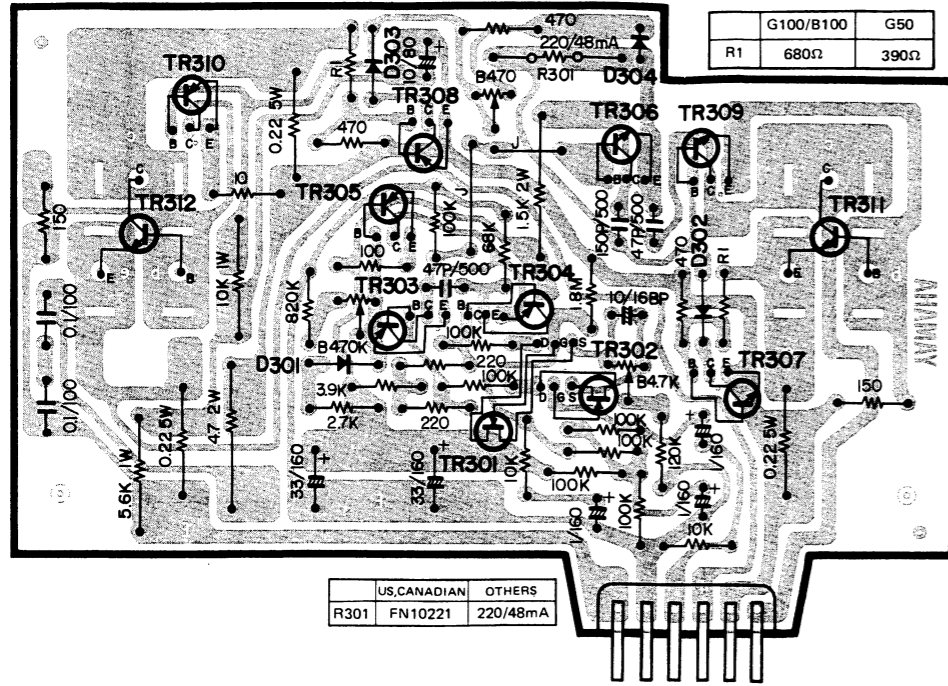
G100-115II, G100-210, G100-212II

JK BOARD PA1 BOARD PA2 BOARD

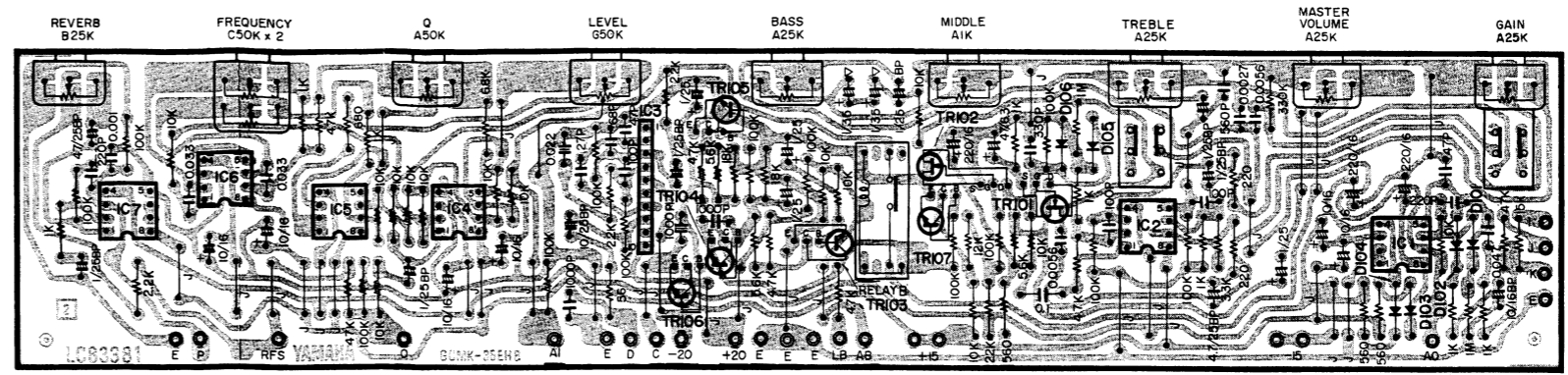


MA Parts side view

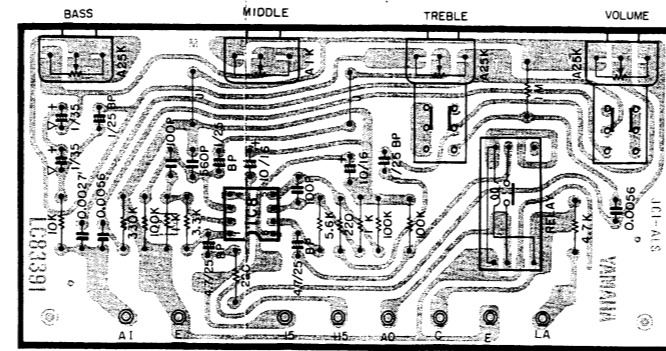
LC 83341



PA1 Pattern side view G100-115II G100-210 G100-212II

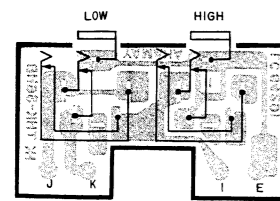


PA2 Pattern side view G100-115II G100-210 G100-212II

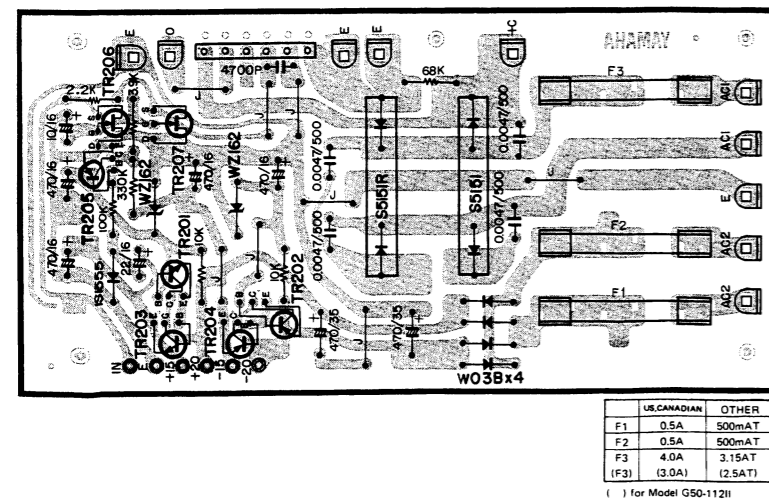


Board	Markets	G50-112II	G100-112	G100-115II G100-210 G100-212II
MA	U.S.A	NA805510	NA805150	NA805150
	Canadian	-do.-	-do.-	-do.-
	Others	NA805520	NA805160	NA805160
DC	U.S.A	NA805360	NA805180	NA805180
	Canadian	NA805350	NA805170	NA805170
	Others	NA805370	NA805190	NA805190
PA1	U.S.A			NA805210
	Canadian			-do.-
	Others			-do.-
PA2	U.S.A			NA805220
	Canadian			-do.-
	Others			-do.-
PA	U.S.A	NA805200	NA805200	
	Canadian	-do.-	-do.-	
	Others	-do.-	-do.-	

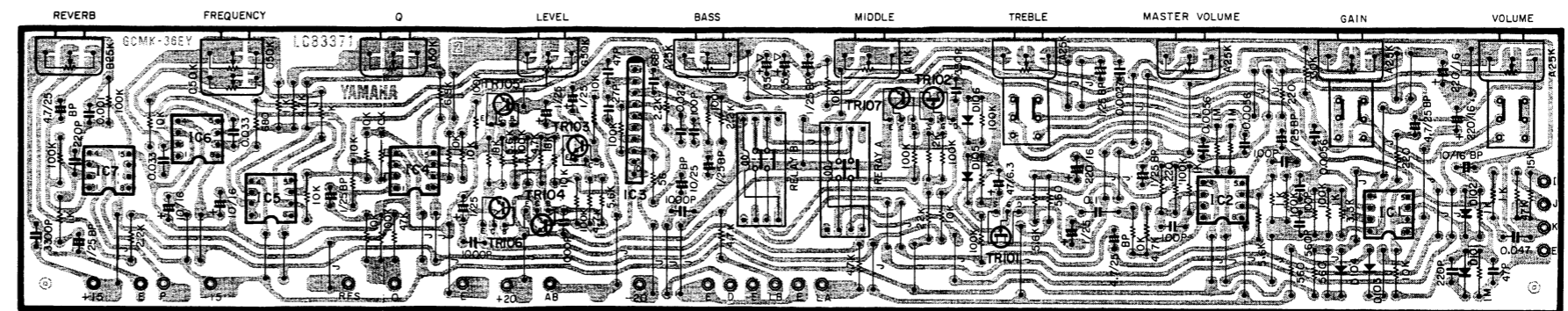
JK Parts side view



DC Parts side view



PA Pattern side view G50-112II G100-112



■PARTS LIST MA Unit, MA Board

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※	30:54:00 NB:81:26:20	MA UNIT	MAユニット	} G100		U,C
※	30:54:00 NB:81:26:30	"	"			O
※	30:54:00 NB:81:38:90	"	"	} G50		U,C
※	30:54:00 NB:81:39:00	"	"			O
※	30:54:00 NA:80:51:50	MA Board #83333	MAシート	} G100		U,C
※	30:54:00 NA:80:51:60	" #83343	"			O
※	30:54:00 NA:80:55:10	" #84970	"	} G50		U,C
※	30:54:00 NA:80:55:20	" #84980	"			O
※	30:54:00 BA:80:38:60	Heat Sink	放熱板	G100		
※	30:54:00 BA:80:38:90	"	"	G50		
※	30:54:00 AA:81:17:20	Holder	シートホルダー			
	40:10:00 EA:04:01:00	Pan Head Screw 4×10 ZMC2-Y	ナベ小ネジ			
	40:10:00 ED:03:00:60	Bind Head Screw 3×6 ZMC2-Y	バインド小ネジ			
	40:10:00 Ei:03:01:00	Bind Head Tapping Screw 3×10 ZMC2-Y	バインドタッピングネジ			
	40:10:00 EV:20:00:30	Flat Washer A3S	平座金			
	40:10:00 iC:15:86:00	Transistor	トランジスター	G100		
	40:10:00 iC:08:98:00	" ←2SC226-1	"	G50		
	40:10:00 iL:00:04:40	Mica Base	マイカベース			
	40:10:00 EA:03:01:60	Pan Head Screw 3×16 ZMC2-Y	ナベ小ネジ			
※	30:54:00 AA:81:05:00	Transister Cover	トランジスタカバー			
	40:10:00 Ei:03:00:60	Bind Head Tapping Screw 3×6 ZMC2-Y	バインドタッピングネジ			
※	30:54:00 AA:81:04:90	MA Board Cover	保護カバー			
	30:54:00 CB:81:44:20	Spacer	スペーサー			
	40:10:00 LB:60:26:70	Socket	トランジスタソケット			
		MA BOARD	MAシート			
	40:10:00 HL:32:34:70	Metal Oxide Film Resistor 4.7K,2P	サンキン抵抗			
	40:10:00 HL:32:61:50	" 1.5KΩ,2P	"			
	40:10:00 HL:31:65:60	" 5.6KΩ,1P	"			
	40:10:00 HL:31:71:00	" 10KΩ,1P	"			
	40:10:00 HM:85:22:20	" 0.22Ω,5P	セメント抵抗			
	40:10:00 HW:80:52:20	Fuse Resistor 220Ω,48mA	ヒューズ抵抗			O
	40:10:00 HW:90:52:20	" 220Ω	"			U,C
	40:10:00 HT:41:00:40	Variable Resistor B4.7KΩ	半固定ボリューム			
	40:10:00 HT:41:01:10	" B470KΩ	"			
	40:10:00 HT:41:01:20	" B470Ω	"			
	40:10:00 iE:00:00:10	FET 2SK30A(Y)	FET			
	40:10:00 iA:08:72:10	Transistor 2SA872A(D,E)	トランジスタ			
	40:10:00 iA:09:70:00	" 2SA970(GR,BL)	"			
	40:10:00 iC:16:24:00	" 2SC1624(O,Y)	"			
	40:10:00 iC:15:09:30	" 2SC1509(R,Q)	"			
	40:10:00 iA:07:77:30	" 2SA777(R,Q)	"			
	40:10:00 iA:08:14:00	" 2SA814(Y)	"			
	40:10:00 iF:00:04:50	Varistor STV-3H-O	バリスタ			
	40:10:00 iF:00:00:40	Diode 1S1555	ダイオード			
	40:10:00 LB:60:07:90	Connector Plug	ライトアングルウエハー ピン			

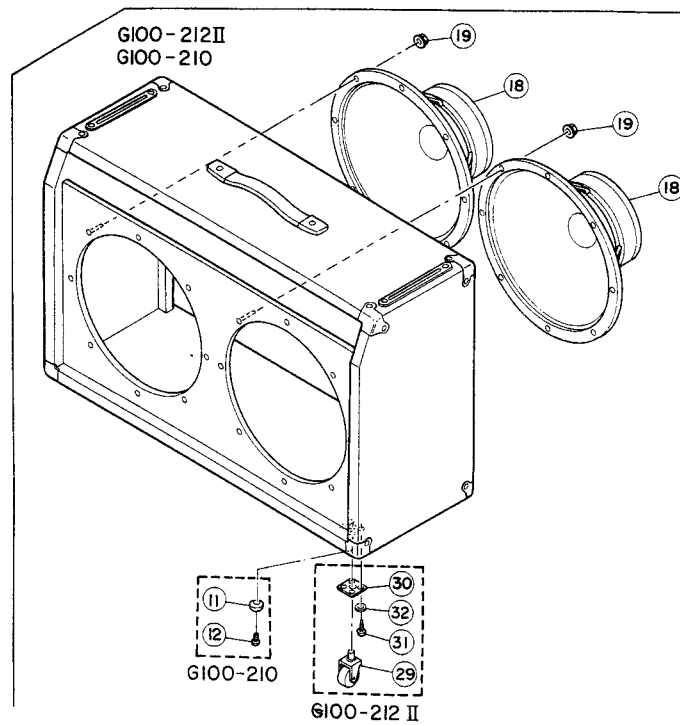
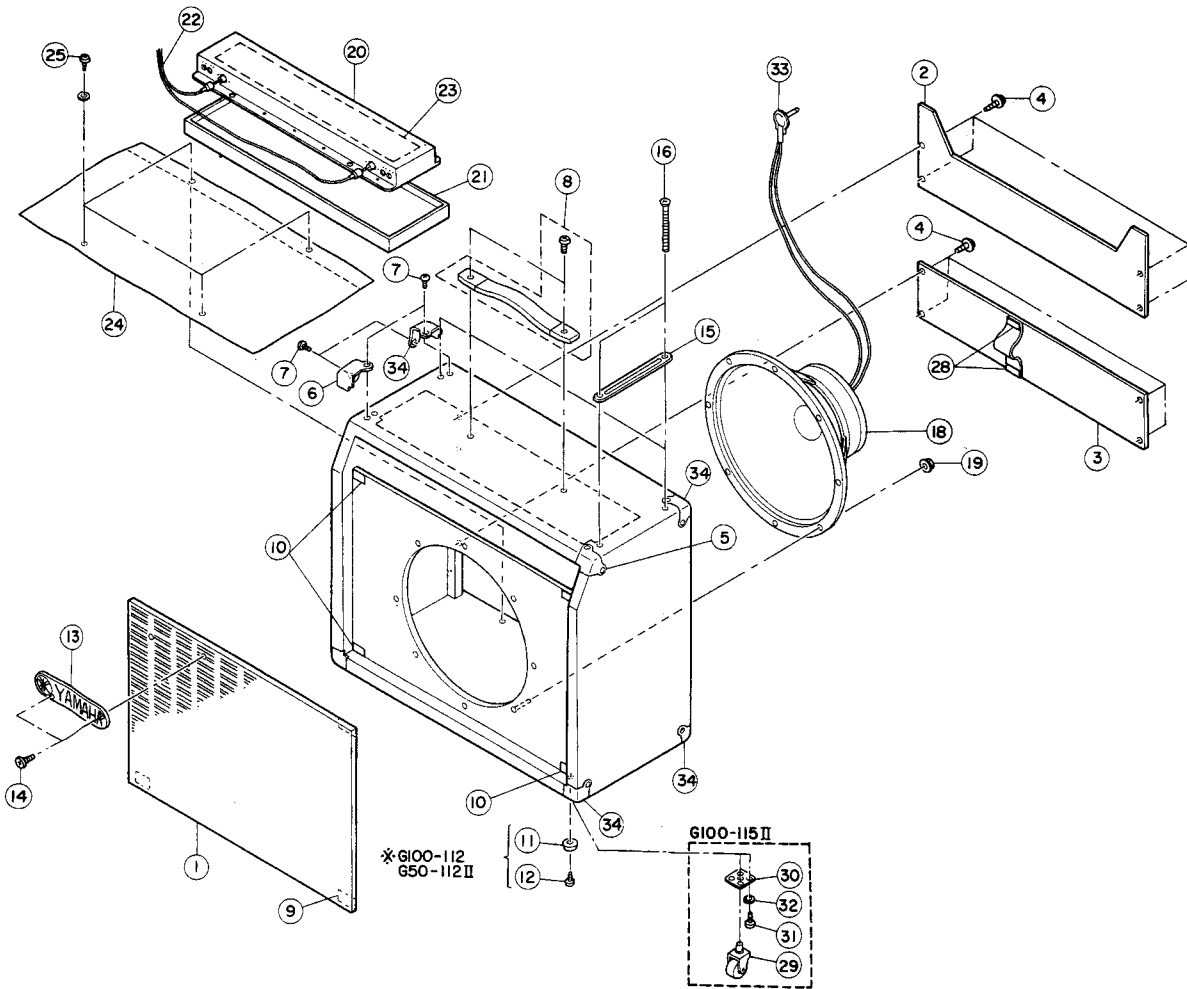
※ : New Part (新部品) DESTINATION ABBREVIATIONS U : US, C : Canada, O : Other (except for US, Canada models)

DC Board PA1 Board/PA2 Board

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※	30:54:00 NA 80:51:70	DC BOARD #83362	DCシート	G100		C
※	30:54:00 NA 80:51:80	" #84821	"	"		U
※	30:54:00 NA 80:51:90	" <i>NA805180</i> #83352	"	"		O
※	30:54:00 NA 80:53:50	DC BOARD #85002	DCシート	G50		C
※	30:54:00 NA 80:53:60	" #85012	"	"		U
※	30:54:00 NA 80:53:70	" <i>NA805350</i> #84992	"	"		O
	40:10:00 i H 00:02:10	Diode S5151	ダイオード			
	40:10:00 i H 00:02:20	" S5151R	"			
	40:10:00 i F 00:00:40	" 1S1555	"			
	40:10:00 i H 00:07:20	" W03B	"			
	40:10:00 i F 00:06:50	Zener Diode WZ-162	ツェナーダイオード			
	40:10:00 i C 15:09:30	Transistor 2SC1509(R,Q)	トランジスター			
	40:10:00 i A 09:70:00	" 2SA970(GR,BL)	"			
	40:10:00 i D 07:26:00	" 2SD726(B,C)	"			
	40:10:00 i A 04:90:10	" 2SA490(Y)	"			
	40:10:00 i A 07:77:30	" 2SA777(R,Q)	"			
	40:10:00 i E 00:00:20	FET 2SK30A(G,R)	FET			
	40:10:00 LB 20:15:70	Fuse Holder Pin	ヒューズホルダーピン	G100		
	40:10:00 KB 00:03:10	Fuse 0.5A,250V	ヒューズ	"		C
	40:10:00 KB 00:03:80	" 4.0A,250V	"	"		C
	40:10:00 KB 00:10:10	" UL 0.5A,250V	UL ヒューズ	"		U
	40:10:00 KB 00:10:50	" " 4.0A,250V	"	"		U
	40:10:00 KB 00:07:10	" Mini 500mAT,250V	ミニヒューズ	"		O
	40:10:00 KB 00:07:60	" " 3.15AT,250V	"	"		O
	40:10:00 LB 20:15:30	Fuse Holder Pin	ヒューズホルダーピン	G50		
	40:10:00 KB 00:03:10	Fuse 0.5A 250V	ヒューズ	"		
	40:10:00 KB 00:10:10	" UL 0.5A 250V	"	"		
	40:10:00 KB 00:07:10	" mini 500mAT 250V	ミニヒューズ	"		
	40:10:00 KB 00:03:60	" 3A 250V	ヒューズ	"		
	40:10:00 KB 00:10:40	" UL 3A 250V	"	"		
	40:10:00 KB 00:06:90	" mini 2.5AT 250V	"	"		
	40:10:00 LB 60:05:20	Connector Housing 2415-6B	コネクタハウジング			
	30:54:00 NA 80:52:10	PA1 BOARD #83382	PA1 シート	115II,212II 210		
	40:10:00 FM 22:61:00	BP Capacitor 1/25	バイポーラケミコン			
	40:10:00 FM 22:64:70	" 4.7/25	"			
	40:10:00 FM 09:71:00	" 10/16	"			
	40:10:00 FM 22:71:00	" 10/25	"			
	40:10:00 FP 35:61:00	Tantalum Capacitor 1/35	タンタルコン			
	40:10:00 i F 00:00:40	Diode 1S1555	ダイオード			
	40:10:00 i C 22:40:00	Transistor 2SC2240(GR,BL)	トランジスタ			
	40:10:00 i C 15:09:30	" 2SC1509(R,Q)	"			
	40:10:00 i E 00:00:20	FET 2SK30A(GR)	FET			
	40:10:00 i G 00:13:90	IC NJM4558D	IC			
	40:10:00 i G 02:74:00	" TA7220P	"			
	40:10:00 KC 00:06:20	Relay FRL644D12/2AS	リレー			
	40:10:00 HS 31:07:50	Variable Resistor A1K Ω	ボリューム	<i>Middle</i>		
	40:10:00 HS 31:07:60	" A25K Ω	"	<i>Base</i>		
	40:10:00 HS 31:07:70	" With Switch A25K Ω	" (SW付)			
	40:10:00 HS 31:07:80	" C50K Ω ×2	" (2連)	<i>Free</i>		
	40:10:00 HS 31:07:90	" A50K Ω	"	<i>G</i>		
	40:10:00 HS 31:08:00	" Center Click G50K Ω	"	<i>Free</i>		
	40:10:00 HS 31:08:60	" B25K Ω	"	<i>Free</i>		

* : New Part (新部品)

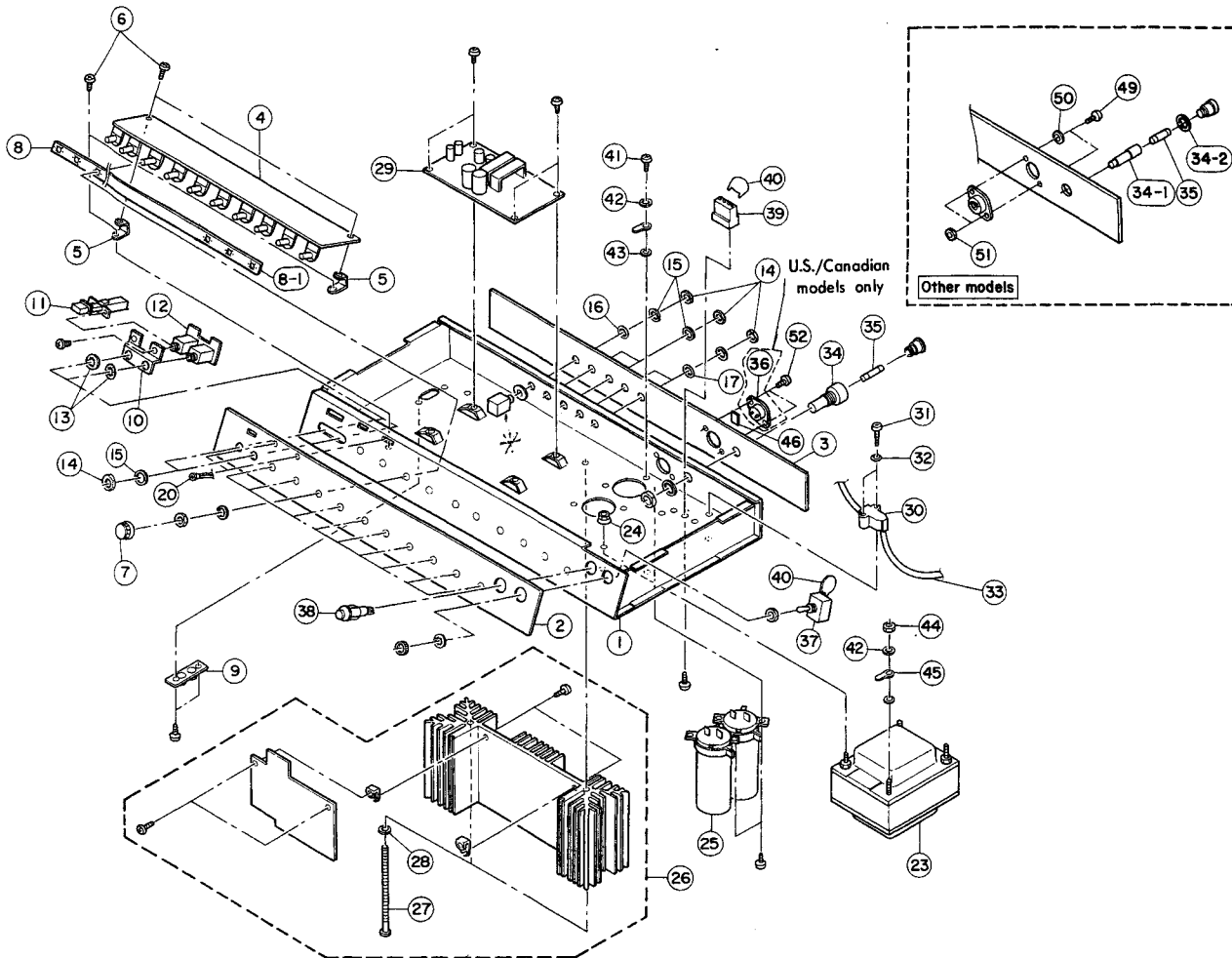
EXPLODED VIEW



Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※	30:54:40:00:00:00:10	Cabinet	外装組上り	G100-212 II		
※	30:54:39:00:00:00:10	"	"	G100-112		
※	30:54:41:00:00:00:10	"	"	G100-115 II		
	30:54:42:00:00:00:10	"	"	G100-210		
	30:54:01:00:00:00:10	"	"	G50-112 II		
※	1 30:54:40:DA:80:38:80	Front Grille	前板集成	G100-212 II		
※	" 30:54:39:DA:80:39:20	"	"	G100-112 G50-112 II		
※	" 30:54:41:DA:80:40:90	"	"	G100-115 II		
※	" 30:54:42:DA:80:42:50	"	"	G100-210		
※	2 30:54:40:DB:81:15:50	Back Board (Upper)	裏板 (上)	G100-212 II		
※	" 30:54:39:DB:81:16:50	"	"	G100-112 G50-112 II		
※	" 30:54:41:DB:81:20:50	"	"	G100-115 II		
※	" 30:54:42:DB:81:24:40	"	"	G100-210		
※	3 30:54:40:DB:81:15:60	Back Board (Lower)	裏板 (下)	G100-212 II		
※	" 30:54:39:DB:81:16:60	"	"	G100-112 G50-112 II		
※	" 30:54:41:DB:81:20:60	"	"	G100-115 II		
※	" 30:54:42:DB:81:24:50	"	"	G100-210		
	4 40:10:00:EK:80:08:00	Screw 4×25 FNM3-3g	山型ワッシャ付丸皿タップ ピンクネジ			
※	5 30:54:00:AA:80:76:40	Metal Corner (Right)	コーナー金具 (右)			
※	6 30:54:00:AA:80:76:50	" (Left)	" (左)			
	7 40:10:00:ER:23:51:30	Oval Head Wood Screw 3.5×13 FNM3-3g	丸皿木ネジ			
	8 30:54:00:NB:81:26:40	Handle Assembly	取手Ass'y			
	9 40:10:00:CA:80:15:20	Velcro Tape <i>Magic Tape</i>	マジックテープ (オス)			
	10 40:10:00:CA:80:15:30	"	" (メス)			
	11 30:10:00:CB:02:32:00	Slip Fitting	滑り座 (黒)			
	12 40:10:00:EB:34:02:50	Flat Head Screw 4×25 ZMC2-B#	皿小ネジ			
※	13 30:54:00:CB:81:37:90	Name Plate	ネームプレート			
	14 40:10:00:ER:33:11:30	Oval Head Wood Screw 3.1×13 FUM3-B#	丸皿木ネジ			
※	15 30:54:00:AA:80:76:70	Fixing Plate	ユニット吊り金具			
※	16 40:10:00:EK:80:08:70	Sharp Tip Oval Head Screw 5×90 FNM3-3g	尖先丸皿小ネジ			
※	18 30:54:00:JA:30:66:00	Speaker 8Ω 30cm(12')	スピーカー	G100-212 II G50-112 II		
※	" 30:54:00:JA:30:62:00	" " "	"	G100-112		
※	" 30:10:00:JA:38:02:00	" " 38cm(15')	"	G100-115 II		
※	" 30:54:00:JA:25:15:00	" " 8Ω 25cm(10')	"	G100-210		
	19 40:10:00:EK:80:06:40	Flange Nut 5S	フランジナット			
	20 40:10:00:JH:00:01:40	Reverb Unit	リバーブユニット			
	21 30:54:00:CB:81:37:10	Reverb Unit Base	RV台			
	22 40:10:00:MI:80:10:80	Reverb Unit Cord	線材キット (RV用)			
	23 30:54:00:CB:81:44:20	Spacer	スペーサー			
	24 30:54:00:CB:81:37:00	Reverb Unit Cover	RV収納袋			
	25 40:10:00:EQ:03:51:60	Round Head Wood Screw 3.5×16 ZMC2-Y	丸木ネジ			
	26 40:10:00:EV:20:00:40	Flat Washer 4S	平座金			
	27 30:54:00:CB:80:08:30	Cord Holder	コード止め			
	28 40:10:00:CA:80:01:30	Washer	コード止めワッシャ			
	29 30:54:00:AA:80:16:80	Caster	キャスター			
	30 30:54:00:AA:80:16:90	Caster Socket	キャスターソケット			
	31 40:10:00:ED:35:02:00	Bind Head Screw 5×20 ZMC2-B#	バインド小ネジ			
	32 40:10:00:EV:30:35:00	Spring Lock Washer 5S	バネ座金			
※	33 40:10:00:MI:80:10:70	Speaker Cord W/Jack	L型プラグ付コード			
※	34 30:54:00:AA:80:76:60	Metal Corner	コーナー金具			

※ : New Part (新部品)

EXPLODED VIEW



PARTS LIST

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
* 1	30:54:00 AA:80:98:50	Chassis	シャーシ	G100-212 II		
*	30:54:00 AA:80:98:70	"	"	G100-112 G50-112 II		
*	30:54:00 AA:80:98:60	"	"	G100-210 G100-115 II		
2	Refer to page 18 Note 1	Panel	パネル			
*						
* 3	Refer to page 18 Note 2	Back Panel	バックパネル			
*						
* 4	30:54:00 NA:80:52:10	PA1 Board	PA 1 シート	G100-212 II G100-115 II		
* "	30:54:00 NA:80:52:20	PA2 Board	PA 2 シート	G100-210		
* "	30:54:00 NA:80:52:00	PA Board	PA シート	G100-112 G50-112 II		
* 5	30:54:00 AA:81:04:50	Fixing Metal For C,B	シート固定金具			
* 6	40:10:00 E i:03:00:60	Bind Head Tapping Screw 3x6 ZMC2-Y	バインドタッピングネジ			
* 7	30:54:00 CB:81:17:80	Knob	ツマミ			
8	30:54:00 AA:81:04:20	Spacer	スペーサー	G100-212 II 115 II, 210		
8-1	30:54:00 AA:81:04:30	"	"	"		
"	30:54:00 AA:81:04:40	"	"	G100-112 G50-112 II		

* : New Part (新部品)

Ref. No.	Part No.		Description	(部 品 名)	Remarks	Common model	Markets
※	Note 1						
※	2	30:54:00 AA:81:00:70	Panel	パネル	G100-212 II		U,C
※	※	30:54:00 AA:81:00:80	〃	〃			O
※	※	30:54:00 AA:81:01:00	Panel	パネル	G100-112		U,C
※	※	30:54:00 AA:81:01:10	〃	〃			O
※	※	30:54:00 AA:81:07:70	Panel	パネル	G50-112 II		U,C
※	※	30:54:00 AA:81:07:80	〃	〃			O
※	※	30:54:00 AA:81:01:30	Panel	パネル	G100-115 II		U,C
※	※	30:54:00 AA:81:01:40	〃	〃			O
※	※	30:54:00 AA:81:01:60	Panel	パネル	G100-210		U,C
※	※	30:54:00 AA:81:01:70	〃	〃			O
※	Note 2						
※	3	30:54:00 AA:81:02:00	Back Panel	バックパネル	G100-212 II		U
※	※	30:54:00 AA:81:02:10	〃	〃			C
※	※	30:54:00 AA:81:02:30	〃	〃			O
※	3	30:54:00 AA:81:02:60	Back Panel	バックパネル	G100-112		U
※	※	30:54:00 AA:81:02:70	〃	〃			C
※	※	30:54:00 AA:81:02:90	〃	〃			O
※	3	30:54:00 AA:81:09:00	Back Panel	バックパネル	G50-112 II		U
※	※	30:54:00 AA:81:09:10	〃	〃			C
※	※	30:54:00 AA:81:09:30	〃	〃			O
※	※	30:54:00 AA:81:03:20	Back Panel	バックパネル	G100-115 II		U
※	※	30:54:00 AA:81:03:30	〃	〃			C
※	※	30:54:00 AA:81:03:50	〃	〃			O
※	※	30:54:00 AA:81:03:80	Back Panel	〃	G100-210		U
※	※	30:54:00 AA:81:03:90	〃	〃			C
※	※	30:54:00 AA:81:04:10	〃	〃			O
※	Note 3						
※	23	40:10:00 GA:80:84:00	Power Transformer	電源トランス	G100		U,C
※	※	40:10:00 GA:80:85:00	〃	〃			O
※	※	40:10:00 GA:80:87:00	〃	〃		G50	U,C
※	※	40:10:00 GA:80:88:00	〃	〃	O		
※	Note 4						
※	26	30:54:00 NB:81:26:20	MA-Unit	MAユニット	G100		U,C
※	※	30:54:00 NB:81:26:30	〃	〃			O
※	※	30:54:00 NB:81:38:90	〃	〃	G50		U,C
※	※	30:54:00 NB:81:39:00	〃	〃			O
※	Note 5						
※	29	30:54:00 NA:80:51:70	DC Board	DCシート	G100		C
※	※	30:54:00 NA:80:51:80	〃	〃			U
※	※	30:54:00 NA:80:51:90	〃	〃		G50	O
※	※	30:54:00 NA:80:53:50	〃	〃	C		
※	※	30:54:00 NA:80:53:60	〃	〃	U		
※	※	30:54:00 NA:80:53:70	〃	〃	O		
※	Note 6						
※	33	40:10:00 MG:00:04:50	AC Cord	電源コード			O
※	※	40:10:00 MG:00:02:70	〃	〃			U,C

※ : New Part (新部品)

Ref. No.	Part No.		Description	(部 品 名)	Remarks	Common model	Markets	
※	Note 7							
34	40:10:00	L B:20:04:90	Fuse Holder	ヒューズホルダー			U,C	
34-1	40:10:00	L B:20:05:90	"	"			O	
34-2	40:10:00	A A:03:15:80	Washer for Fuse Holder	ヒューズホルダーワッシャー			O	
35	40:10:00	K B:00:03:60	Fuse 3A 250V	ヒューズ(タイラッシュ)			C	
"	40:10:00	K B:00:10:40	" UL SS-2 3A 250V	ULヒューズ			U	
"	40:10:00	K B:00:07:40	" 1.6AT 250V	ヒューズ(Sタイムラグ)	(220~240V)	G50-112 II	O	
"	40:10:00	K B:00:07:60	" 3.15AT 250V	"	(110~130V)		O	
"	40:10:00	K B:00:03:50	" 2.0A 250V	ヒューズ(タイラッシュ)			C	
"	40:10:00	K B:00:10:30	" UL SS-2 2A 250V	ULヒューズ			U	
"	40:10:00	K B:00:07:30	" 1.0AT 250V	ヒューズ(Sタイムラグ)			O	
"	40:10:00	K B:00:07:50	" 2.0AT 2 250V	"			O	
※	Note 8							
37	40:10:00	K A:30:03:50	Power Switch	パワースイッチ				U
"	40:10:00	K A:30:04:40	"	"			C	
"	40:10:00	K A:30:03:70	" ⇒ KA300 610	"	S.N. 124 (Comb)			

※ : New Part (新部品)