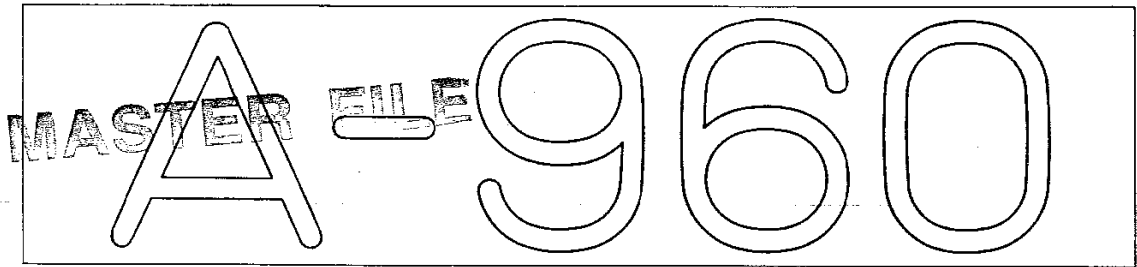
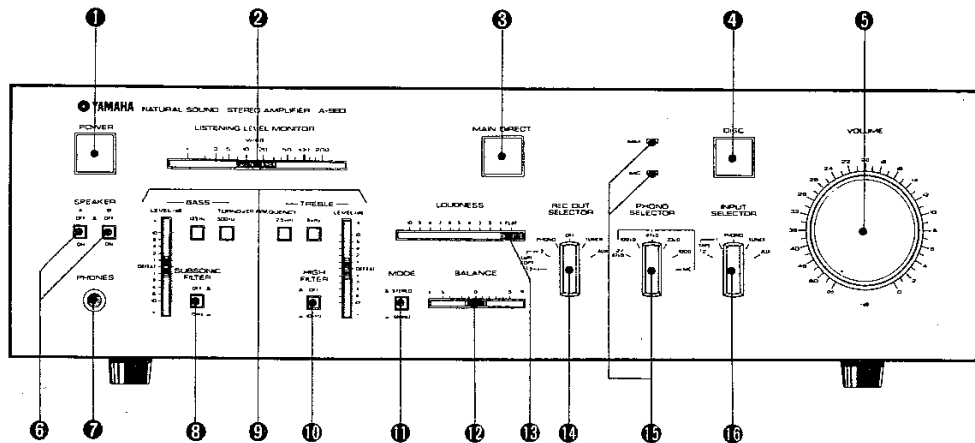


# STEREO INTEGRATED AMPLIFIER



## SERVICE MANUAL

### FRONT PANEL



- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1 POWER switch</li> <li>2 LISTENING LEVEL MONITOR (peak level indicator)</li> <li>3 MAIN DIRECT switch</li> <li>4 DISC switch</li> <li>5 VOLUME control</li> <li>6 SPEAKER selector switches</li> <li>7 PHONES jack</li> <li>8 SUBSONIC FILTER switch</li> </ul> | <ul style="list-style-type: none"> <li>9 BASS and TREBLE tone controls</li> <li>10 HIGH FILTER switch</li> <li>11 MODE selector switch</li> <li>12 BALANCE control</li> <li>13 LOUDNESS control</li> <li>14 REC OUT SELECTOR switch</li> <li>15 PHONO SELECTOR and MM/MC indicators</li> <li>16 INPUT SELECTOR switch</li> </ul> |
|---|--|

### CONTENTS

■ REAR PANEL .....	1
■ INTERNAL COMPONENTS .....	1
■ SPECIFICATIONS .....	2
■ DISASSEMBLY PROCEDURES .....	3/4
■ ADJUSTMENTS .....	5
■ ADJUSTING POINTS .....	6
■ BLOCK DIAGRAM .....	6
■ POWER PACK FOR EACH DESTINATION .....	6
■ WIRING .....	7
■ SCHEMATIC DIAGRAM .....	8


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SINCE 1887



**YAMAHA**

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

'80.11. 2.42K. KT  Printed in Japan.



# AUDIO SERVICE Information

BULLETIN NO.: 05-84

DATE: May 1984

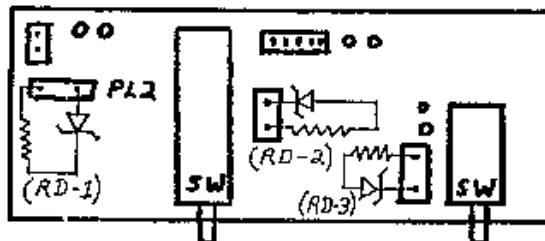
SUBJECT: A-960 Amplifier

PROBLEM: Power won't come on, circuit checks out normal

CAUSE: Burnt out lamp in "Power" switch button, also in "Main Direct" or "Disc" button when switch is activated.

REMEDY: Replace burnt out lamp(s) and modify lamp circuit.

MODIFICATION: Solder a 22 ohm 1/4W resistor in series with a 10 volt 1 watt zener diode to connector pins shown on diagram as RD-1, RD-2, and RD-3.



*Tone control cct. board*

PARTS: Lamp(s) (14.5V 80ma) part number JB0C0920 or equivalent.

*HV 454220*

Resistors (3) 22 ohm 1/4 watt or 1/2 watt *FLAME PROOF*

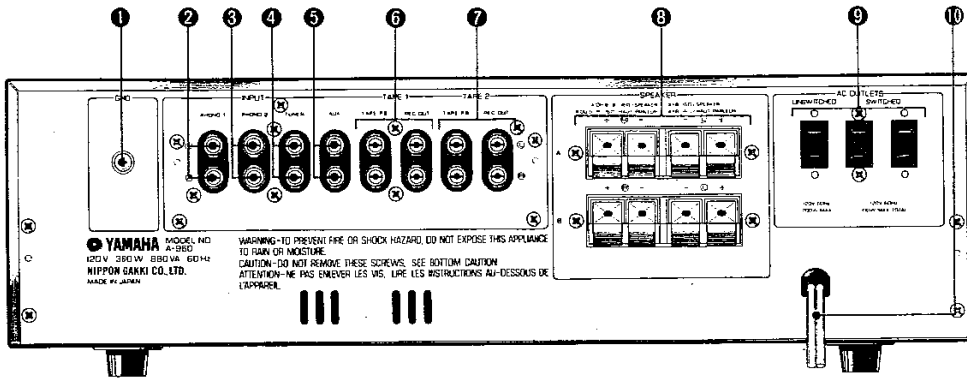
*DOUG HAS IN TECH ROOM*

Zener Diodes (3) 10 volt 1 watt

For units under warranty specify MODIFICATION KIT: 05-84-A-960. ALSO INCLUDE WARRANTY CLAIM NUMBER AND DATE OF PURCHASE.

NOTE: \*\*\*\*\* Please Destroy Bulletin 05-81 dated July 1981 \*\*\*\*\*  
\*\*\*\*\* " " " 03-83 dated Nov 1983 \*\*\*\*\*

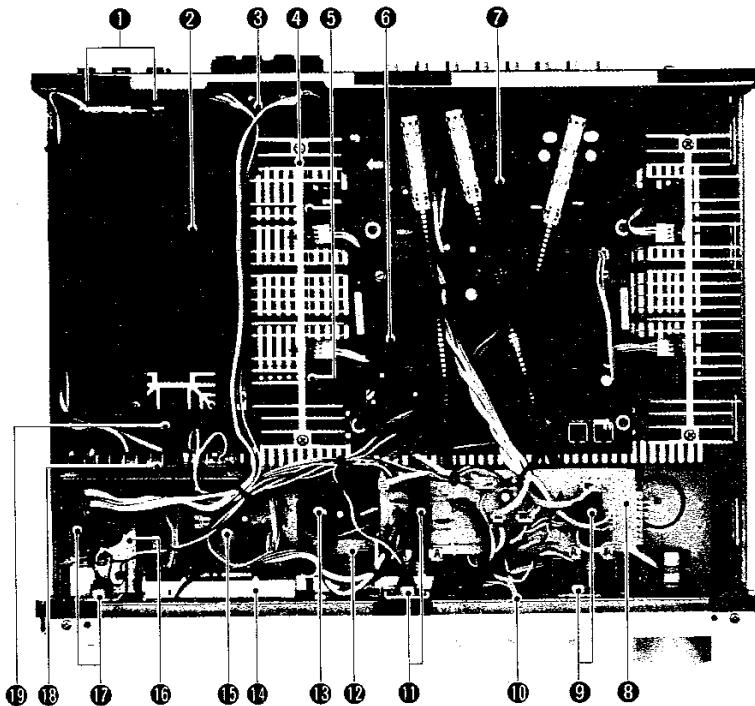
**REAR PANEL**



- 1 GND terminal
- 2 PHONO 1 input terminals
- 3 PHONO 2 input terminals
- 4 TUNER input terminals
- 5 AUX input terminals
- 6 TAPE 1 terminals (tape playback and record output)
- 7 TAPE 2 terminals (tape playback and record output)
- 8 SPEAKER output terminals A/B
- 9 AC OUTLETS (switched and unswitched sockets)
- 10 Power cord

**INTERNAL COMPONENTS**

\* Top View



- 1 AC outlets
- 2 Power transformer cover (power transformer)
- 3 Main c. board 3
- 4 Heat sink
- 5 Power transistors
- 6 Main c. board 1
- 7 Function c. board
- 8 Tone control c. board
- 9 Disc switch
- 10 Phono indicator LEDs
- 11 Main direct switch
- 12 Tone control c. board 6
- 13 Tone control c. board 2
- 14 Listening level monitor VR (main c. board 5)
- 15 Tone control c. board 3
- 16 Main c. board 2
- 17 Power switch
- 18 Control c. board 1
- 19 Control c. board 2

## SPECIFICATIONS

### Minimum RMS Output Power

8 ohms, 20 to 20,000 Hz,  
0.01% THD . . . . . 100 W + 100 W

### Total Harmonic Distortion

Phono MM to Rec Out  
(20 to 20,000 Hz,  
10 V output) . . . . . 0.003%  
Phono MC to Rec Out  
(20 to 20,000 Hz,  
7 V output) . . . . . 0.006%  
Aux/Tape/Tuner to  
Sp Out (20 to 20,000 Hz,  
50 W) . . . . . 0.005%

### IM Distortion Ratio

(60 Hz : 7 kHz = 4 : 1)  
Aux/Tape/Tuner to  
Sp Out  
(8 ohms, 100 W) . . . . . 0.002%  
(8 ohms, 1 W) . . . . . 0.01%

### Power Bandwidth

(8 ohms, 50 W,  
0.02% THD) . . . . . 10 to 50,000 Hz

### Damping Factor

(8 ohms, 1 kHz) . . . . . Better than 55

### Frequency Response

(Aux/Tape/Tuner  
to SP Out, 8 ohms) . . . . . 20 to 20,000 Hz  
+0, -2 dB

### RIAA Deviation

Phono MM . . . . . ±0.2 dB  
Phono MC . . . . . ±0.3 dB

### Input Sensitivity/Impedance

Phono MM . . . . . 2.5 mV/100, 33 k, 47 k,  
100 k ohms  
Phono MC . . . . . 160 μV/100 ohms  
Aux/Tape/Tuner . . . . . 150 mV/47 k ohms

### Maximum Input Level (1 kHz)

Phono MM . . . . . 250 mV RMS  
Phono MC . . . . . 15 mV RMS

### Tone Control Characteristics

Bass (Turnover 500 Hz) . ±10 dB at 20 Hz  
Treble (Turnover  
2.5 kHz) . . . . . ±9.5 dB at 20 kHz

### Output Level/Impedance

Rec Out . . . . . 150 mV/600 ohms

### Signal-to-Noise Ratio

(IHF A Network)

Phono MM  
(5 mV, Input Shorted) . . 93 dB  
Phono MC  
(500 μV, Input Shorted) . 77 dB  
Aux/Tape/Tuner  
(Input Shorted) . . . . . 103 dB

### Residual Noise

(IHF A Network) . . . . . 220 μV

### Filter Characteristics

Low (Subsonic) . . . . . 15 Hz, -12dB/oct  
High . . . . . 10kHz, -12dB/oct

### Channel Separation

(1 kHz, vol -30 dB, shorted)

Tuner to Sp Out . . . . . 70 dB  
Phono MM to Sp Out . . 70 dB  
Phono MC to Sp Out . . 70 dB

### Continuous Loudness

#### Control (Level-Related

#### Equalization)

Max. Attenuation . . . . . 20 dB at 1 kHz

### Gain Tracking Error

(0 to -60 dB) . . . . . 2 dB

### Slew Rate . . . . . 200 V/μs.

Headphone Output . . . . . 82 mW (8 ohms, 0.01%  
THD)

Semiconductors . . . . . 68 Transistors, 4 ICs,  
8 FETs, 40 Diodes, 3 LEDs

### Power Supply

U.S. and Canada . . . . . 120 V, 60 Hz  
General . . . . . 110-120 V/220-240 V,  
50/60 Hz  
Northern Europe . . . . . 220 V, 50 Hz  
Britain and Australia . . 240 V, 50 Hz

### Power Consumption

U.S. and Canada . . . . . 360 W/880 VA  
Northern Europe . . . . . 630 W  
Britain and Australia . . 630 W  
General . . . . . 360 W

Dimensions (W x H x D) . . 435 x 133 x 365 mm

(17-1/8" x 5-1/4" x 14-3/8")

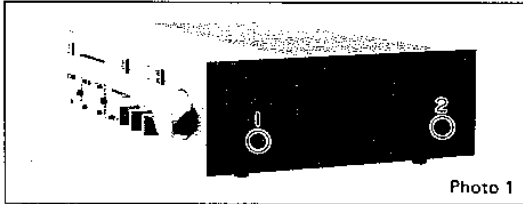
Weight . . . . . 10.5 kg (23 lbs. 2 oz.)

*Specifications subject to change without notice.*

## ■ DISASSEMBLY PROCEDURES

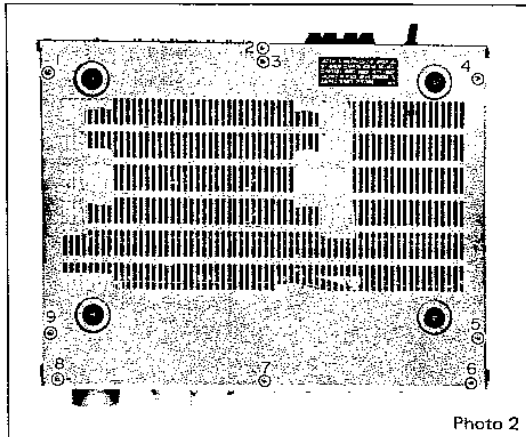
### 1. Removing the Top Cover

Remove screws ① and ② from both left and right sides (see Photo 1), and then remove the top cover by sliding it towards the rear.



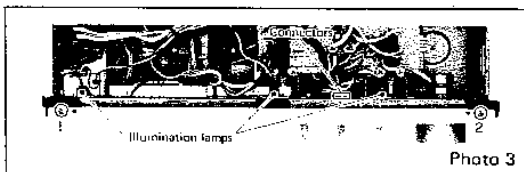
### 2. Removing the Bottom Cover

Turn the amplifier upside down, remove screws ① to ⑨ shown in Photo 2, and then remove the bottom cover.



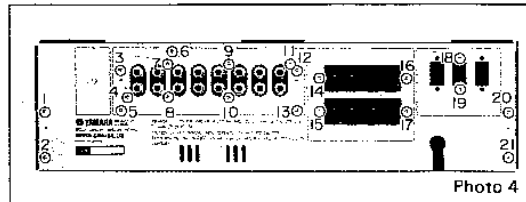
### 3. Removing the Front Panel

- 1) Remove the top and bottom covers as described in procedures 1 and 2.
- 2) Using the 1.5φ allen wrench, loosen the set screws holding the REC OUT, PHONO and INPUT selector knobs, and then pull the knobs right off.
- 3) Gently extract the POWER, MAIN DIRECT and DISC illumination lamps from the respective holders located at the back of each switch, taking care not to disconnect or break any leads.
- 4) Disconnect the MM and MC indicator LED connectors.
- 5) Then after undoing screws ① and ② shown in Photo 3, the front panel may be lifted out forward.



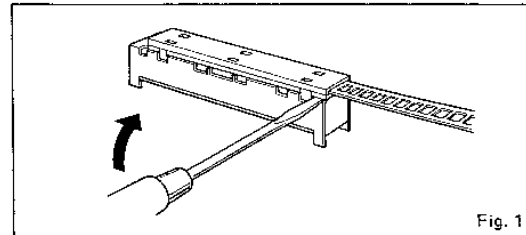
### 4. Removing the Rear Panel

- 1) Remove the top and bottom covers as described above in procedures 1 and 2.
- 2) Disconnect the power cord at the AC OUTLETS position.
- 3) Remove all screws ① to ⑳ to enable the rear panel to be removed.



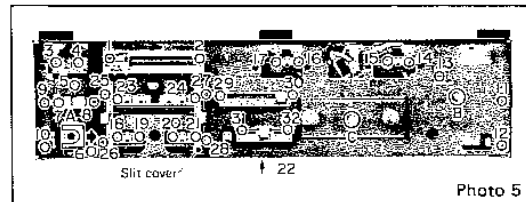
### 5. Removing the Function C. Board

- 1) Remove the top cover as described in procedure 1.
- 2) Disconnect all lead wire connectors, and then all on-board switch flexible wires with a standard screwdriver (see Fig. 1).
- 3) Then after removing screws ③ to ⑬ shown in Photo 4, the function c. board may be removed.



### 6. Removing the Control Section

- 1) Remove the top and bottom covers, and also the front panel as described in procedures 1, 2 and 3.
- 2) Main c. board 5 and tone control c. board 9 may be removed after undoing screws ① and ② shown in Photo 5.
- 3) Then undo screws ③ and ④ (same photo) in order to remove the POWER push-button switch.
- 4) Next undo screws ⑤ and ⑥ and remove the shield plate. Then undo screws ⑦ and ⑧, slip the metal catch ⑨ securing the phones jack to the side (direction of arrow), and remove main c. boards 2 and 4.
- 5) Disconnect all connectors to the tone control c.



boards, and also the function c. board flexible wires (as described above in procedure 5).

- 6) The control section may finally be separated by undoing screws ⑨ to ⑫ in Photo 5.

**7. Removing Tone Control C. Boards 1 ~ 9**

- 1) Remove the top and bottom covers, and also the front panel as described in procedures 1, 2 and 3.
- 2) Using the 1.5φ allen wrench, loosen the set screw securing the VOLUME control knob and then remove the knob.
- 3) Tone control c. board 1 may be removed when nut ① and screws ⑬ to ⑰ shown in Photo 5 are removed.
- 4) And tone control c. board 8 may be removed after unscrewing nut ② shown in the same photo.
- \* The following steps will be made considerably more easier to perform after removing the control section as described in procedure 6.
- 5) Remove the BASS and TREBLE slide levers and the slit cover shown in Photo 5.
- 6) Tone control c. board 2 may be removed by removing screws ⑱ to ⑳ and also screw ㉒ from below the board as indicated in Photo 5.
- 7) Tone control c. boards 3, 4 and 5 may then be removed after removing screws ㉓ to ㉖.
- 8) Finally remove the LOUDNESS and BALANCE control knobs and screws ㉗ to ㉚ in order to remove tone control c. boards 6 and 7.

**8. Removing the Main C. Boards and the Heat Sink**

- 1) Remove the top and bottom covers as described in procedures 1 and 2.
- 2) Remove the function c. board as described in procedure 5.
- 3) Remove the solder from the power transistors (TR335 to TR338).
- 4) Main c. board may be removed after disconnecting the lead wires and connectors, and remove screws

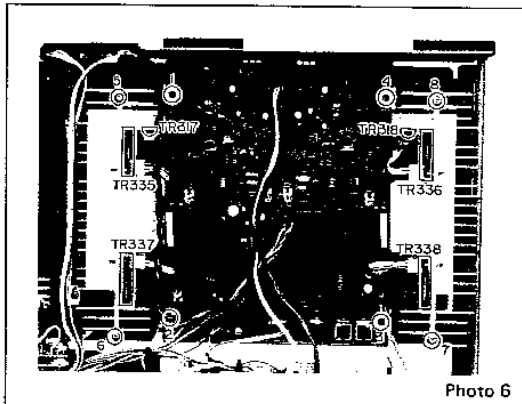


Photo 6

① to ④ shown in Photo 6.

- 5) Then undo screws ⑤ to ⑧ (same photo) to remove the heat sink.

\* When reinserting the main c. boards, take due care with the thermo-coupling.

**9. Removing Control C. Boards 1 and 2 and the Power Transformer**

- 1) Remove the top cover as described in procedure 1.
- 2) Disconnect the control c. board wiring.
- 3) When screw ① shown in Photo 7 is removed and the control c. boards disconnected from board holders ② and ③, both control c. boards may be removed.
- 4) Remove screws ④ to ⑤ shown in Photo 7 and then remove the power transformer cover.
- 5) Remove screws ⑥ to ⑧ shown in Photo 8 and then remove the transformer.

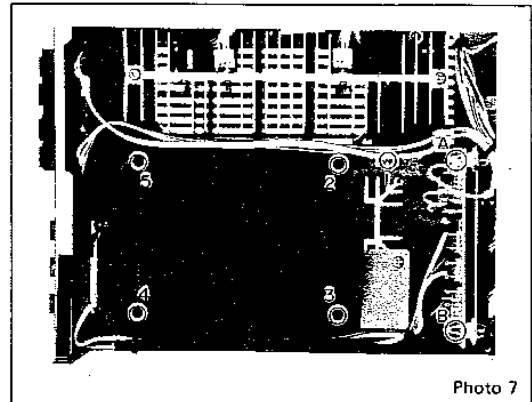


Photo 7

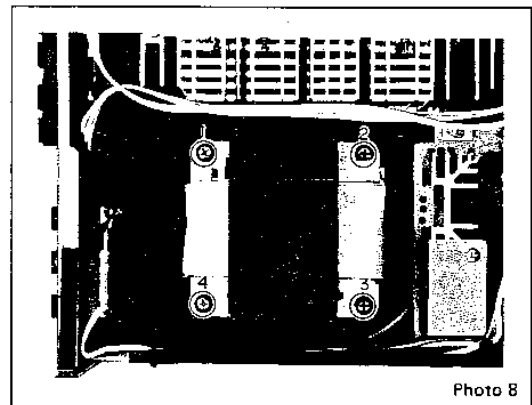


Photo 8

## ADJUSTMENTS

### Before commencing

1. First turn the power on about 5 minutes to ensure that the amplifier is properly warmed up before commencing any adjustments.
2. Use two digital voltmeters in steps 3 and 4 in order to adjust both channels simultaneously.

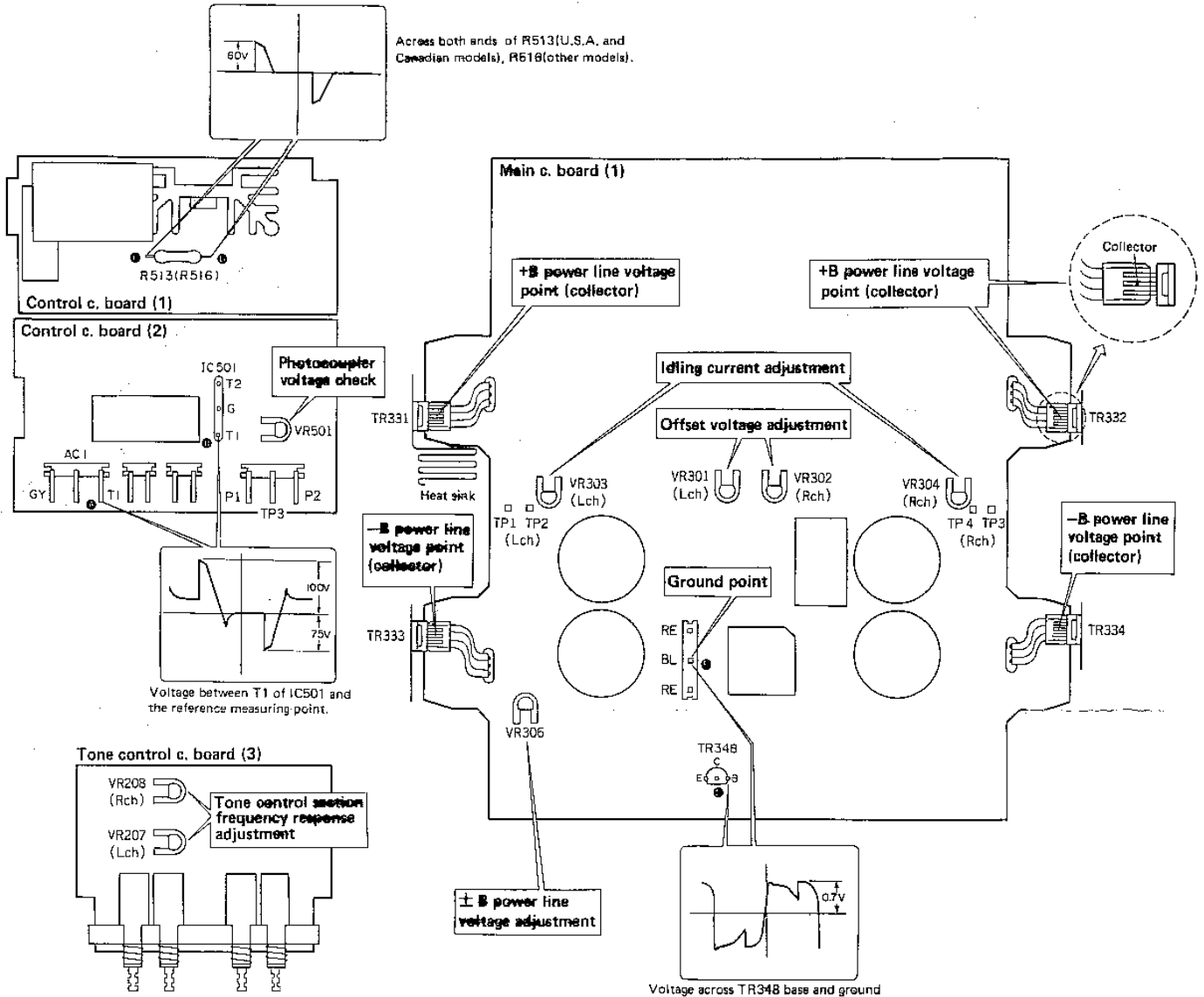
Step	Adjustment	Adjustment Conditions	Adjustment Points	Test Points	Rating	Measuring Equipment
1	Idling current	Set VOLUME control to minimum position	Main c. board 1 • VR303 (Lch) • VR304 (Rch)	• TP1 – TP2 (Lch) • TP3 – TP4 (Rch)	$10 \pm 3$ mV	Digital voltmeter (multimeter)
2	Offset voltage	Set VOLUME control to minimum position	Main c. board 1 • VR301 (Lch) • VR302 (Rch)	• Between the TP2 and Ground (Chassis). (Lch) • Between the TP4 and Ground (Chassis). (Rch)	$0 \pm 10$ mV	Digital voltmeter or oscilloscope
3	$\pm B$ power line voltages	No load	Main c. board 1 VR306	• Between the TR331 collector and ground (L). • Between the TR332 collector and ground (R).	DC+54.7 $\pm 0.2$ V (U,C,A,B,R) DC+54.0 $\pm 0.2$ V (G)	Digital voltmeter (multimeter)
				• Between the TR333 collector and ground (L). • Between the TR334 collector and ground (R).	DC-54.7 $\pm 0.2$ V (U,C,A,B,R) DC-54.0 $\pm 0.2$ V (G)	
4	Photocoupler voltage check	• Set VOLUME control to minimum position. • No load.	Control c. board 2 VR501 (*)	TP3 – P1	$1.2 \pm 0.1$ V(*)	Digital voltmeter (multimeter)
5	Tone control section frequency response	• MAIN DIRECT OFF • BASS and TREBLE DEFEAT • Filter switches OFF	Tone control c. board 3 • VR207 (Lch) • VR208 (Rch)	1. Apply a 1kHz sine wave to the TUNER terminals, and adjust to obtain a +10dBm output level at the speaker terminals (with 8 ohm load). 2. Change the frequency to 50Hz, and adjust VR207 and 208 to obtain an output level of $+10 \pm 0.1$ dBm.		Oscillator and level meter

\* If the rated specification is not satisfied, adjust the control c. board VR501 and the main c. board VR306 alternately to obtain the rated  $\pm B$  and voltage across TP3 – P1.

\* The step 4 voltage check is only required if the photocoupler is exchanged.

Note, U.....U.S.A. model      B.....British model  
C.....Canadian model      R.....General model  
A.....Australian model      G.....North European model

## ■ ADJUSTING POINTS

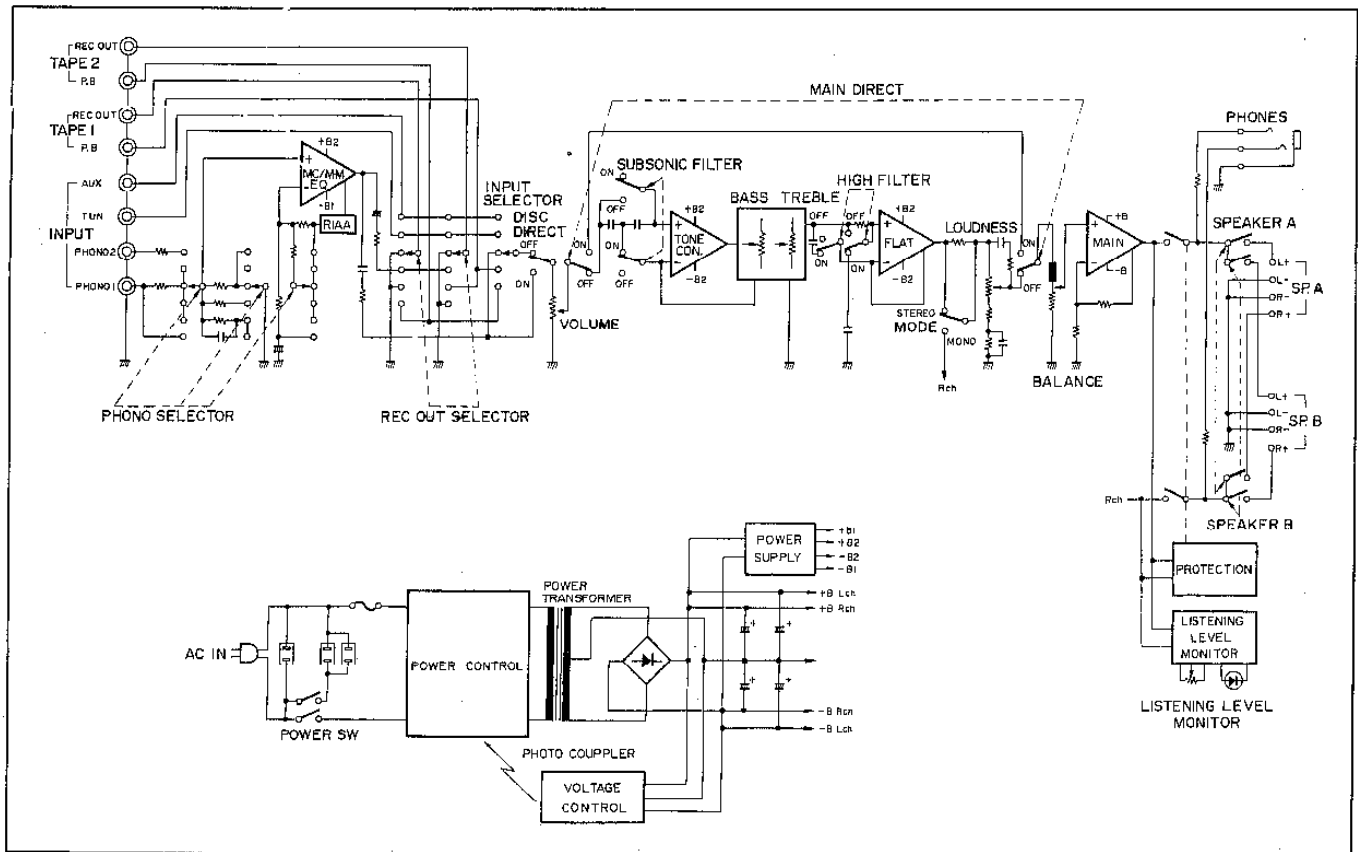


### ■ Precautions in Adjusting the Control C. Board

- 1) Since the AC mains is connected directly to the control c. board, be particularly careful against electric shock.
- 2) Always check voltages by measuring the voltage between the reference measuring point and ground.
- 3) Use floating inputs for waveform measuring purposes. If the oscilloscope body is grounded, the measuring circuit will be in danger of being short circuited. In this case, however, do not touch the oscilloscope body by hand since the voltage applied to the oscilloscope could possibly result in an electric shock.
- 4) Check the quality of the TRIAC by monitoring the waveform across R513 (U.S.A. and Canadian models), R516 (other models).

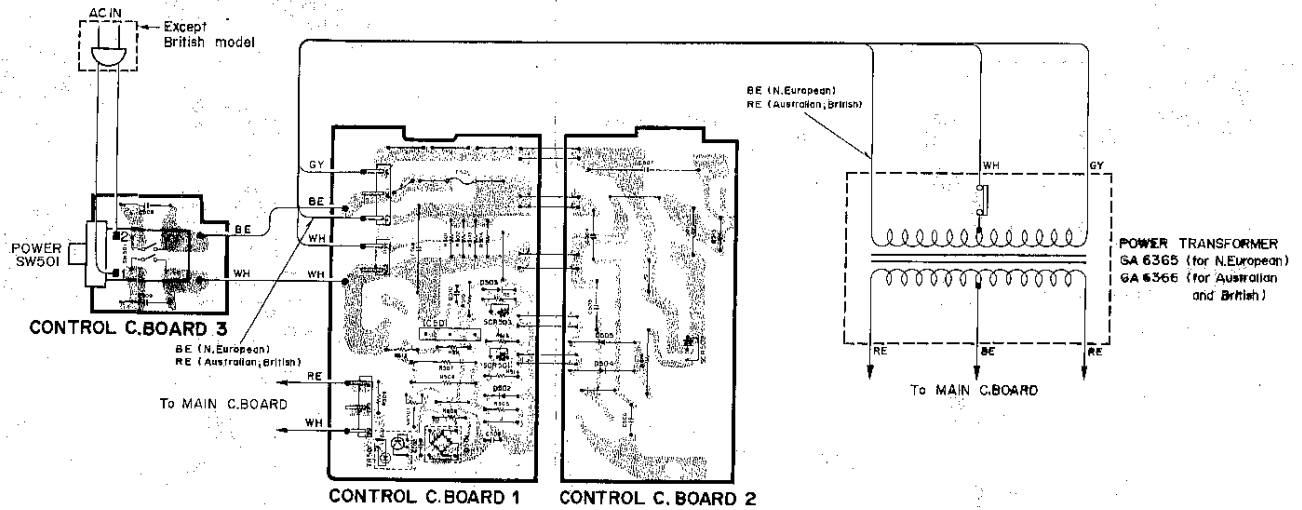
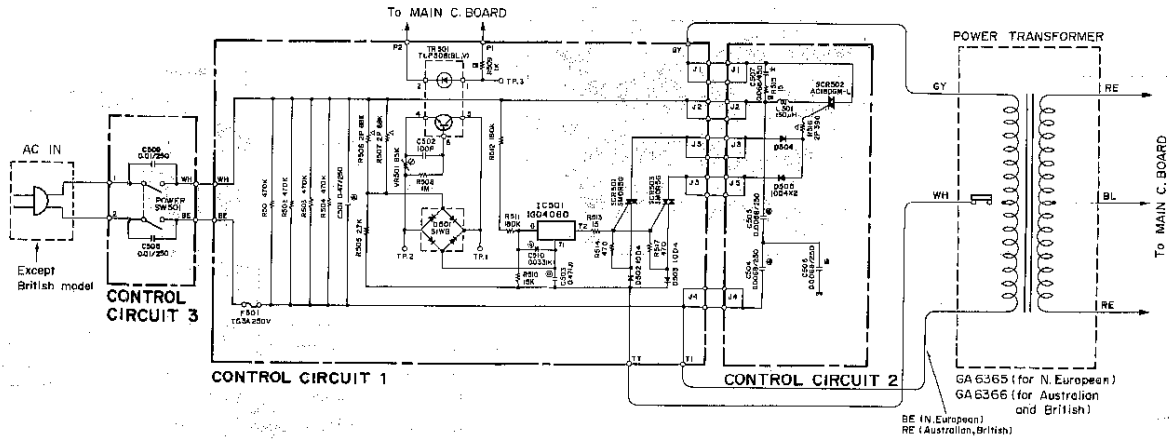


**■ BLOCK DIAGRAM**

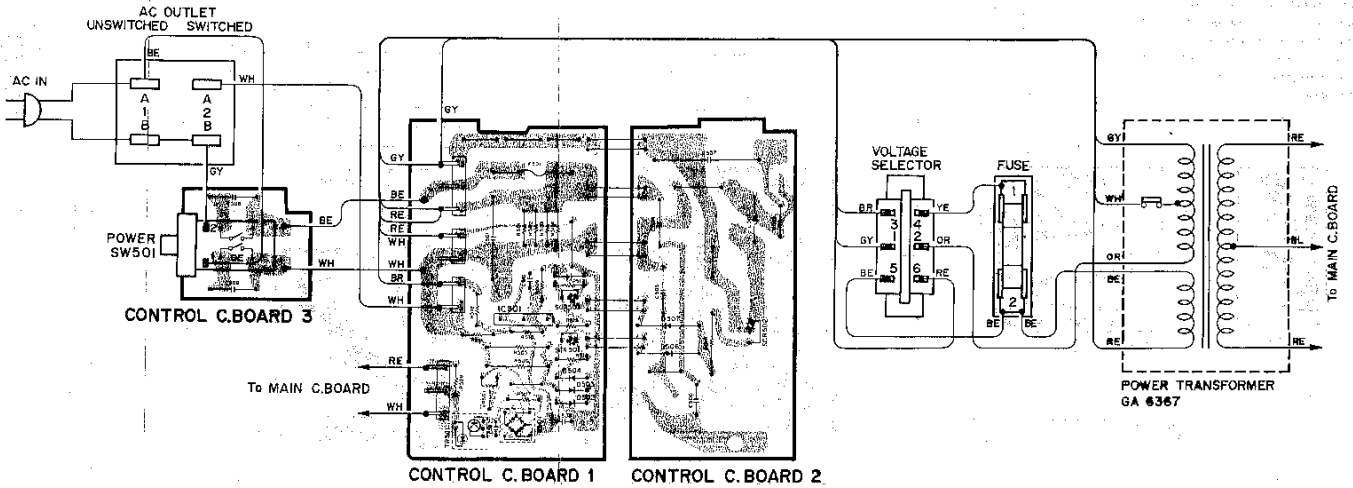
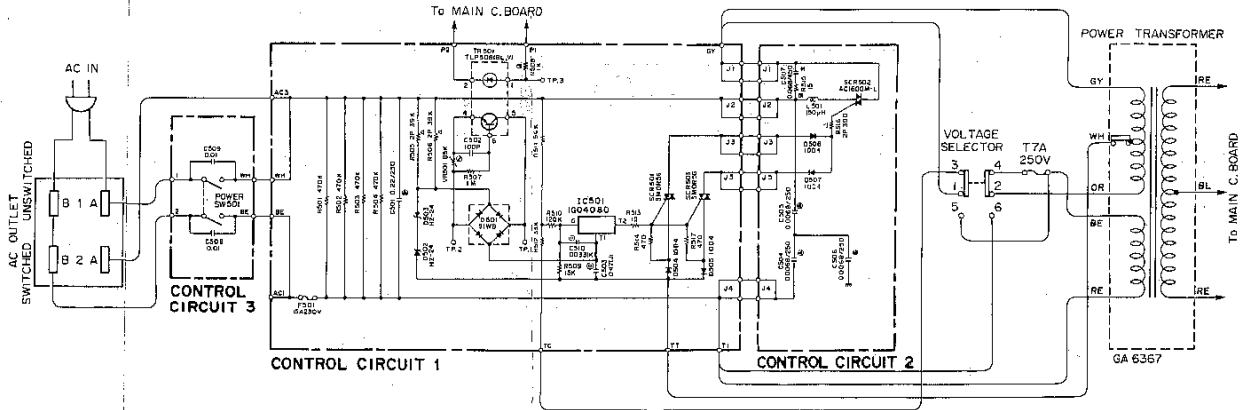


■ **POWER PACK FOR EACH DESTINATION**

- North European, Australian and British models



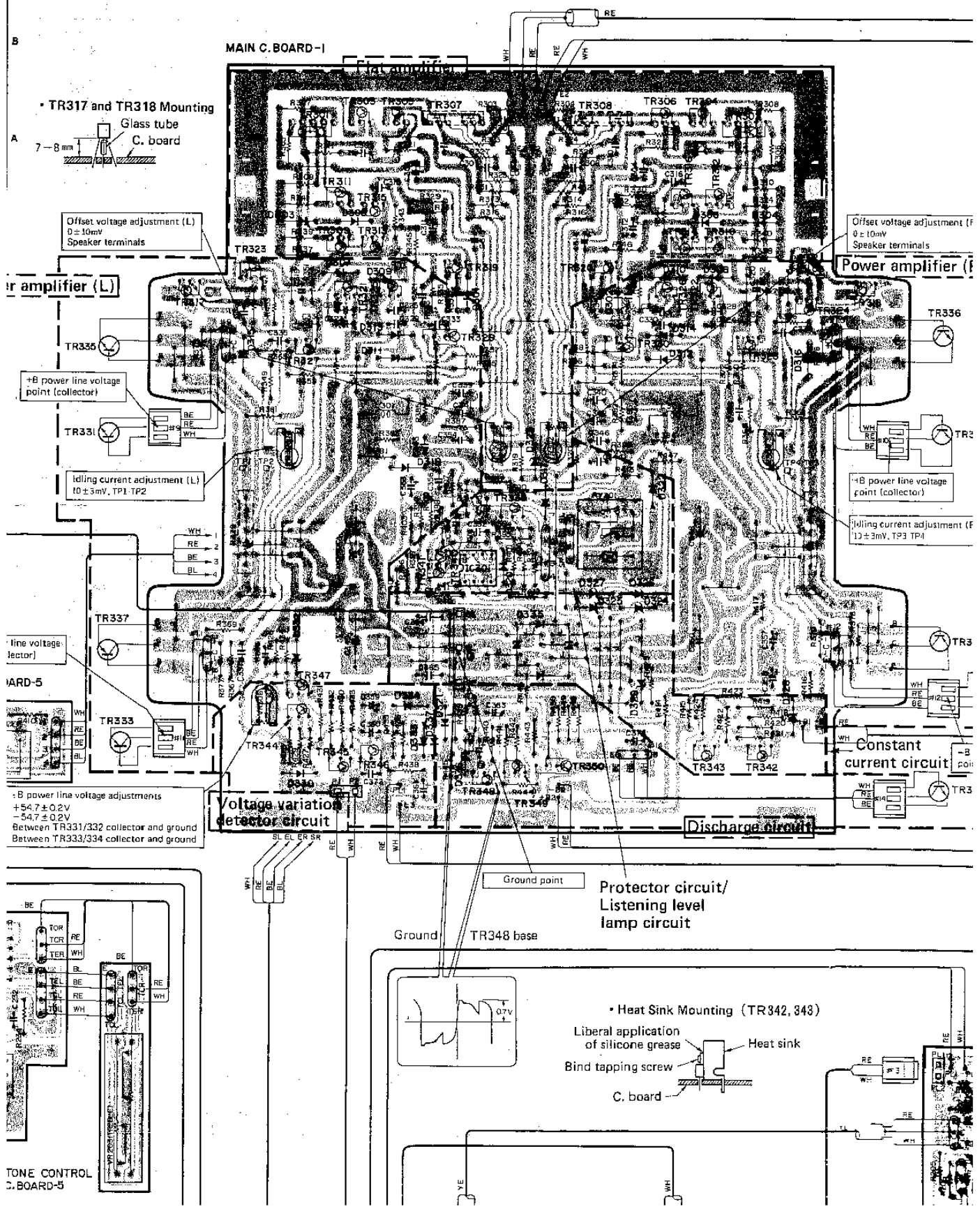
• General model





MAIN C. BOARD-1

• TR317 and TR318 Mounting



Offset voltage adjustment (L)  
0 ± 10mV  
Speaker terminals

Offset voltage adjustment (R)  
0 ± 10mV  
Speaker terminals

Pre-amplifier (L)

Power amplifier (R)

+B power line voltage point (collector)

+B power line voltage point (collector)

Idle current adjustment (L)  
10 ± 3mV, TP1-TP2

Idle current adjustment (R)  
10 ± 3mV, TP3-TP4

Line voltage detector

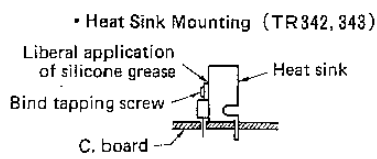
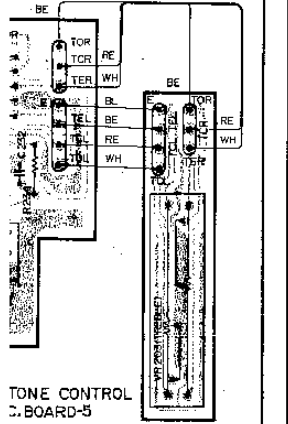
Constant current circuit

-B power line voltage adjustments  
+5.7 ± 0.2V  
-5.7 ± 0.2V  
Between TR331/332 collector and ground  
Between TR333/334 collector and ground

Voltage variation detector circuit

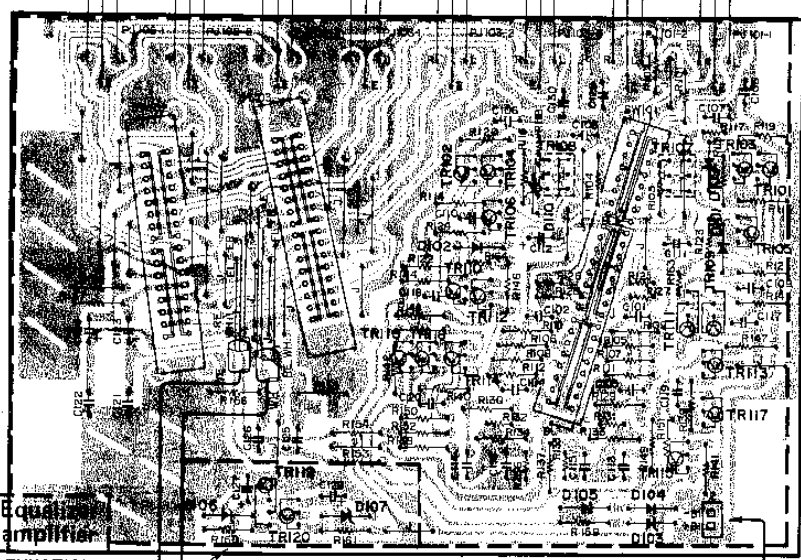
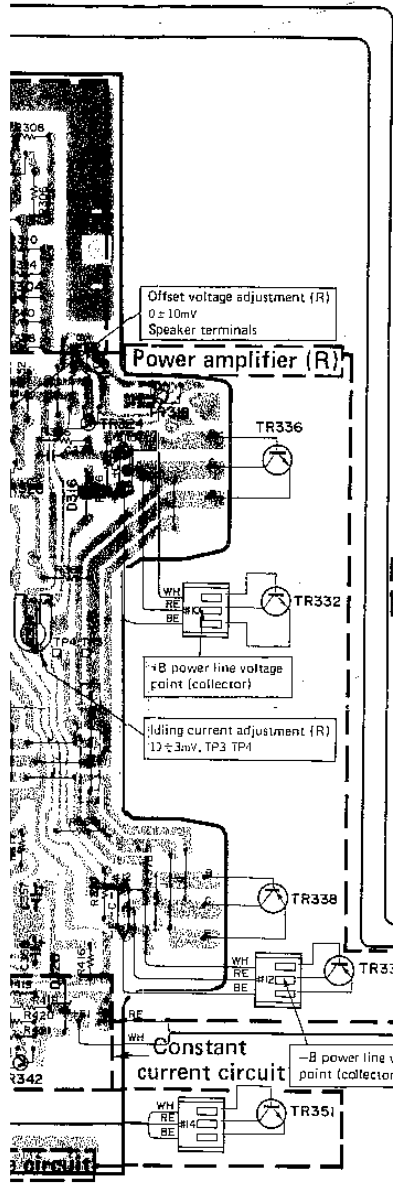
Discharge circuit

Protector circuit/  
Listening level  
lamp circuit

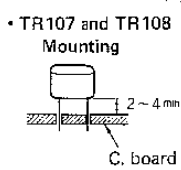


— TAPE 2 —      — TAPE 1 —      INPUT

REC OUT   TAPE PB   REC OUT   TAPE PB   AUX   TUNER   PHONO2   PHONO1

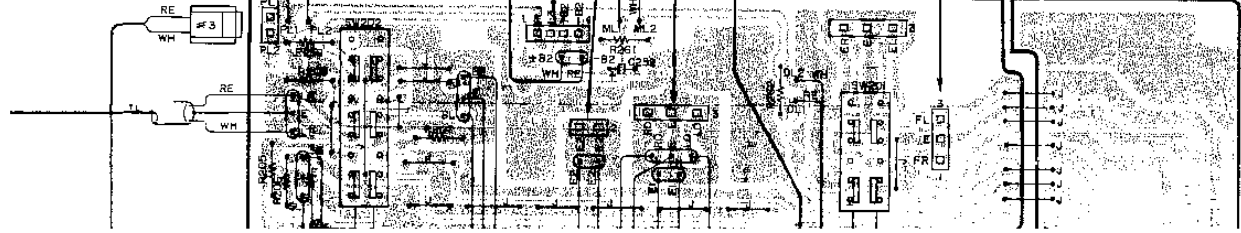


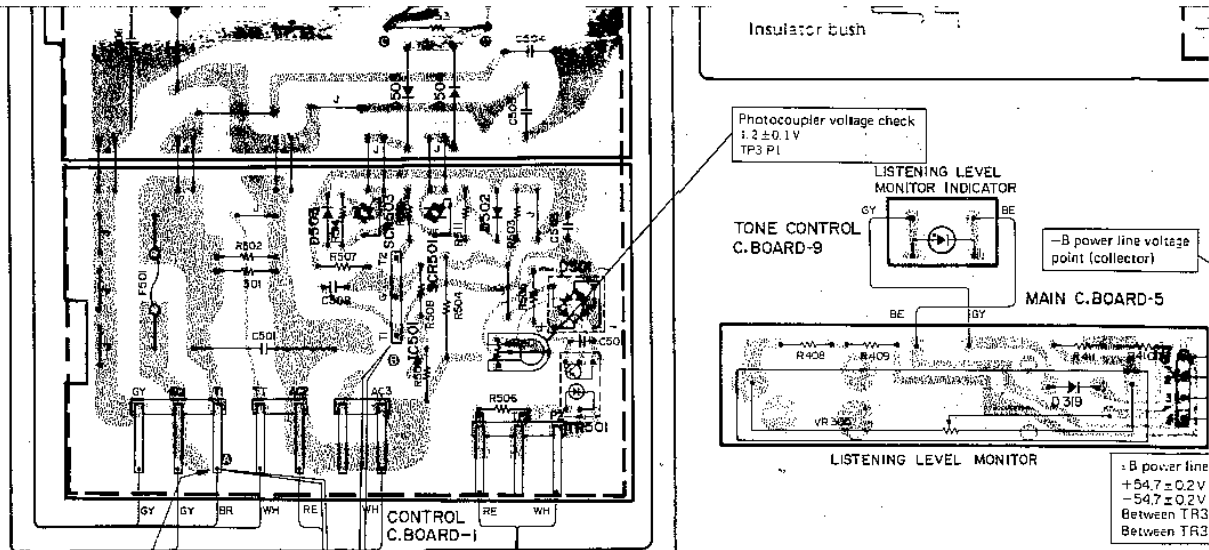
- |                                       |                                     |                                     |
|---------------------------------------|-------------------------------------|-------------------------------------|
| <b>SW102<br/>REC OUT<br/>SELECTOR</b> | <b>SW103<br/>INPUT<br/>SELECTOR</b> | <b>SW101<br/>PHONO<br/>SELECTOR</b> |
| ○ TAPE COPY 2 → 1                     | ○ TAPE 2                            | ○ 2/47 KΩ                           |
| ○ TAPE COPY 1 → 2                     | ○ TAPE 1                            | ○ 100KΩ                             |
| ○ PHONO                               | ○ PHONO                             | ○ 47KΩ                              |
| ○ OFF                                 | ○ TUNER                             | ○ 33KΩ                              |
| ○ TUNER                               | ○ AUX                               | ○ 100 Ω                             |
| ○ AUX                                 | —                                   | ○ MC                                |



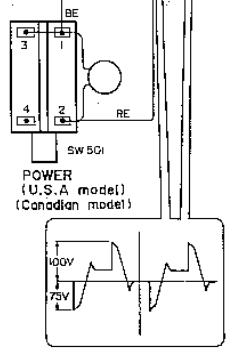
R342, 343)

Heat sink

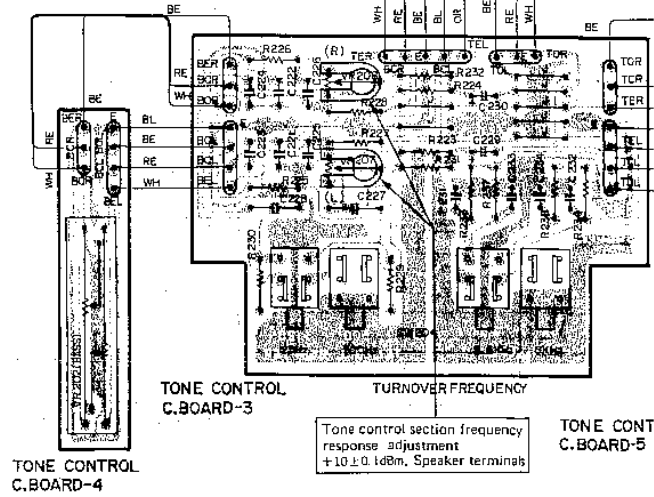




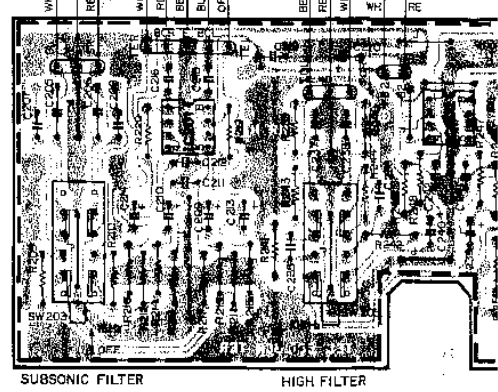
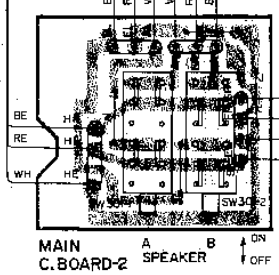
Reference point

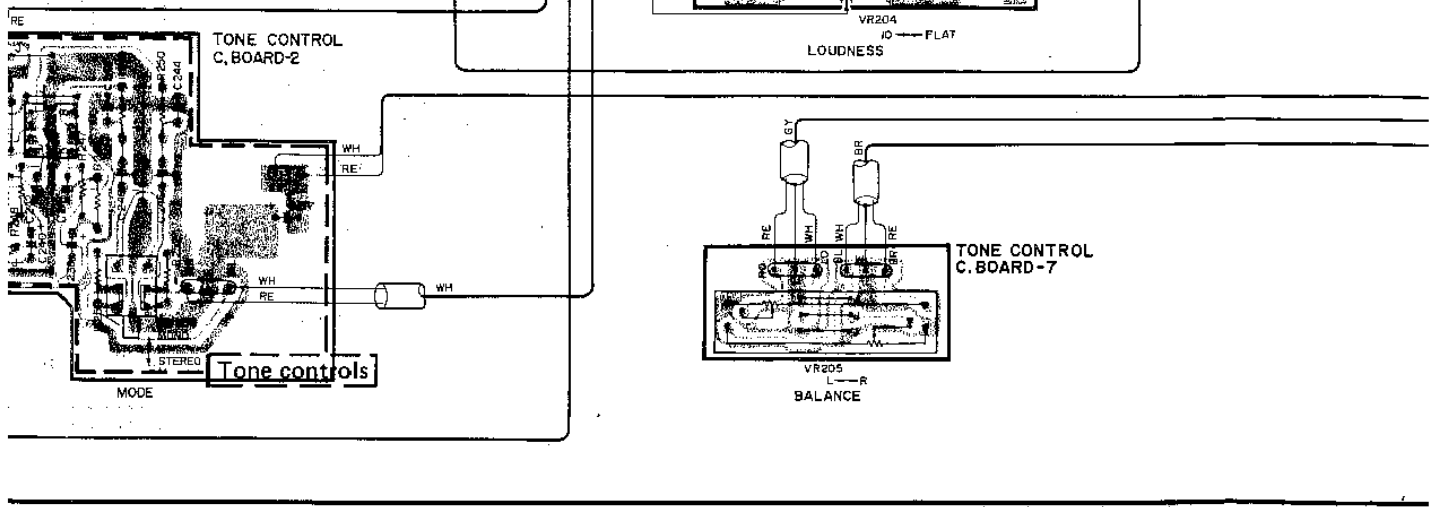
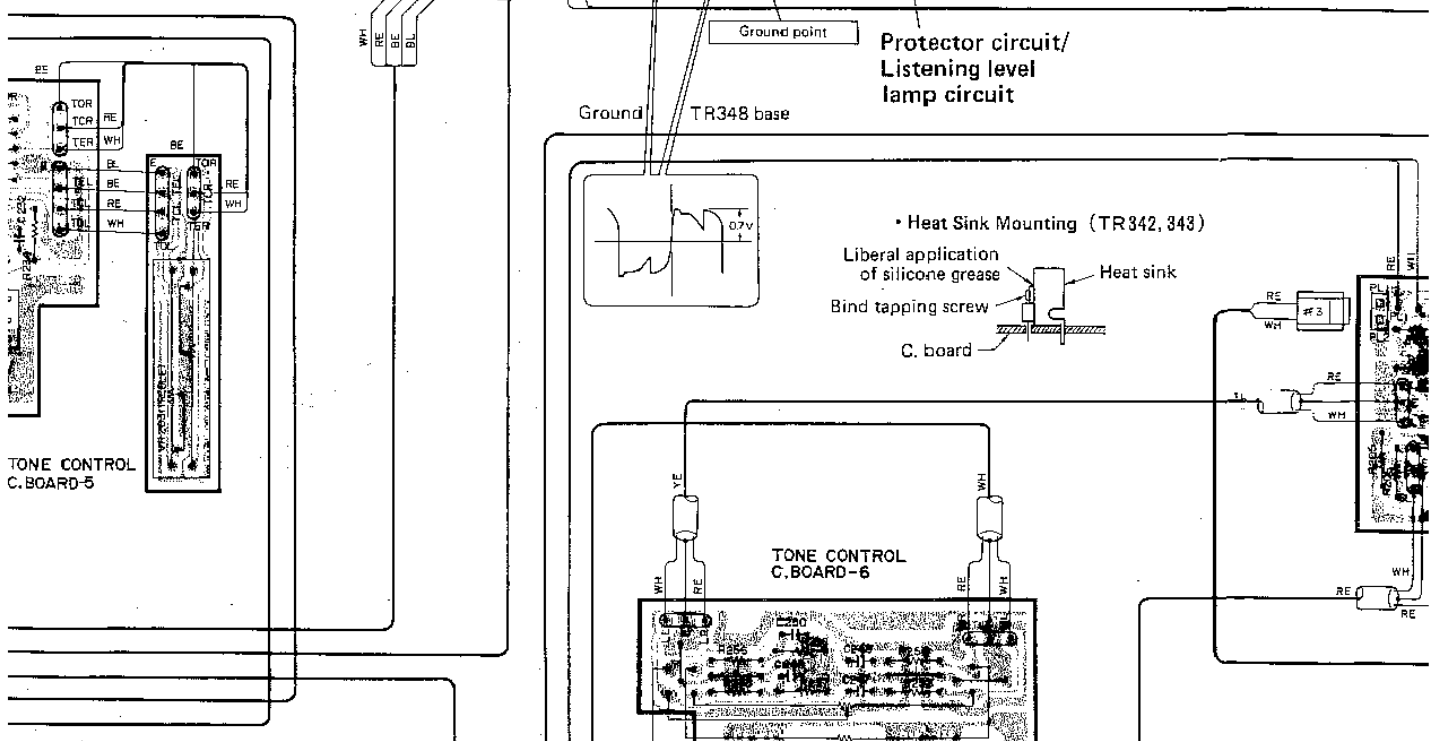
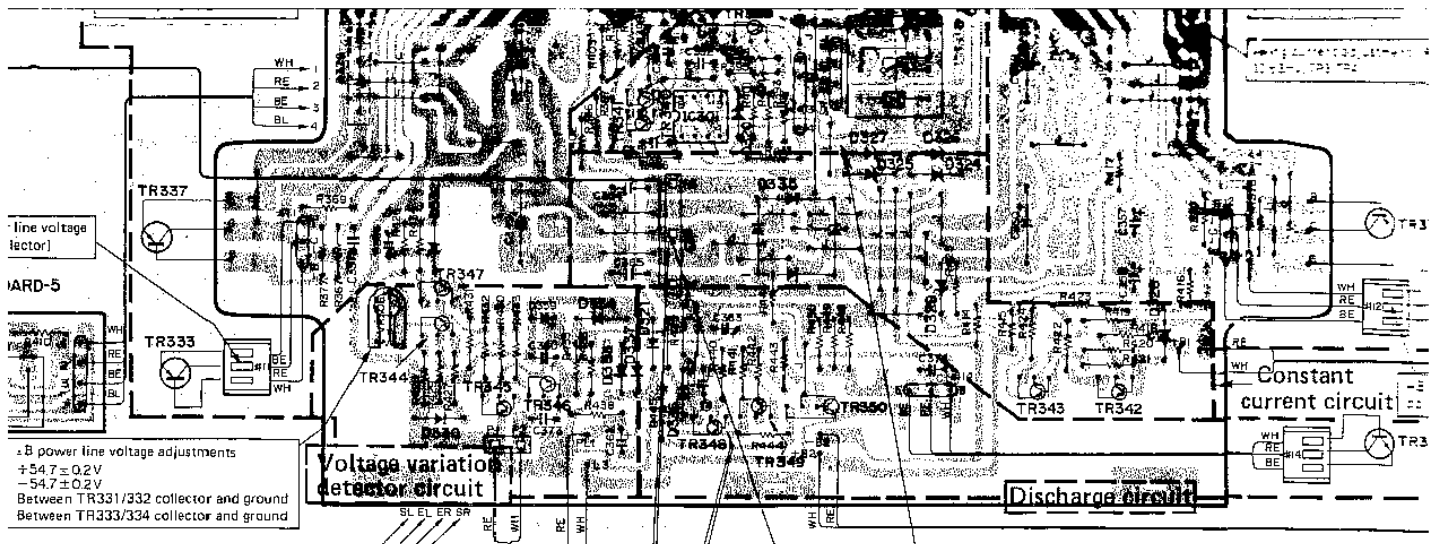


When checking the control c. board with multimeter, do not check between chassis and ground. Always check at the reference points designated in the main circuit diagram.

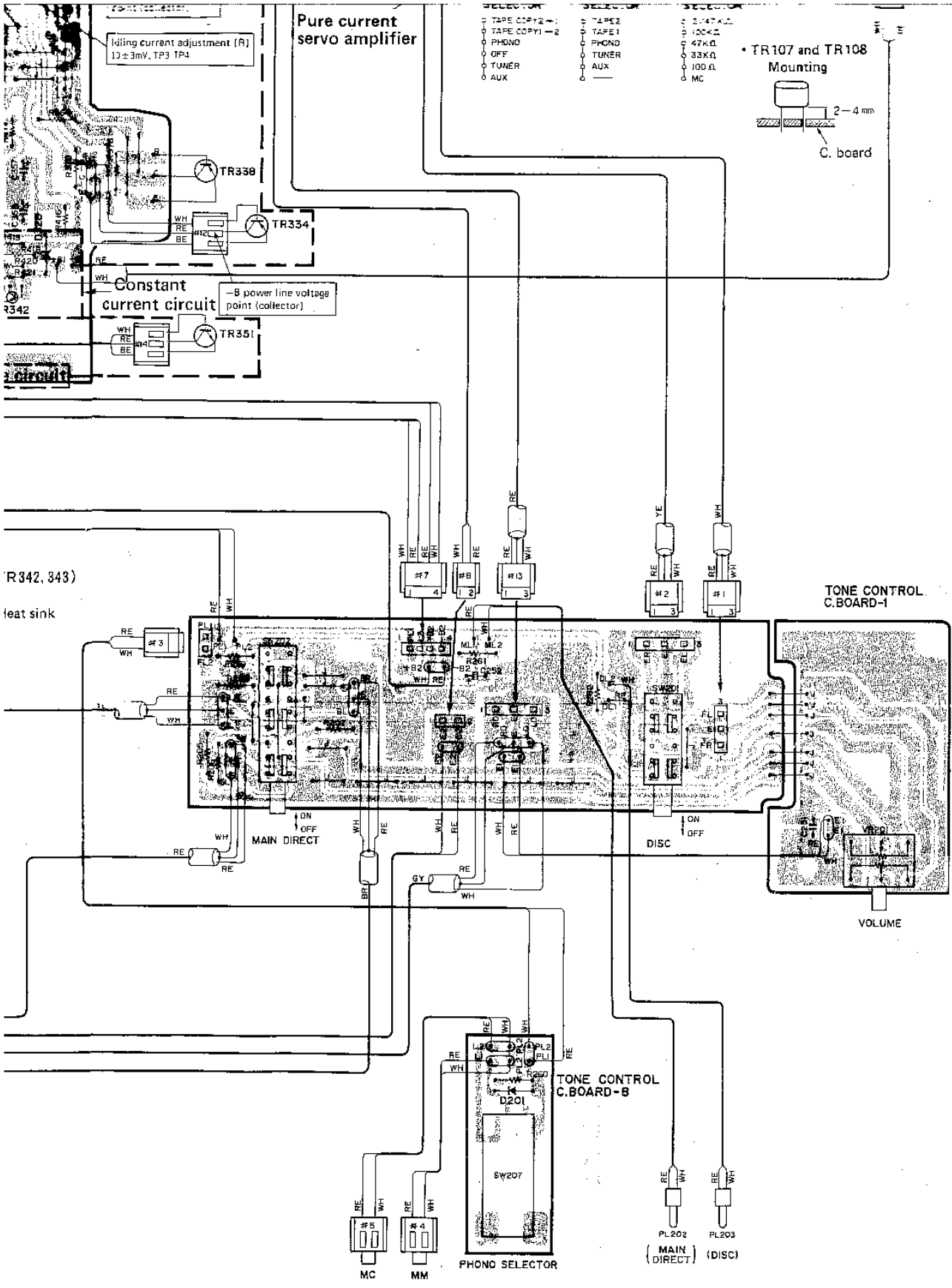


MAIN C. BOARD-4









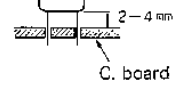
Idle current adjustment (R)  
 $12 \pm 3mV$ , TP3 TP4

**Pure current  
 servo amplifier**

**Constant  
 current circuit**

-B power line voltage  
 point (collector)

**TR107 and TR108  
 Mounting**



- |                 |          |          |
|-----------------|----------|----------|
| SELECTOR        | SELECTOR | SELECTOR |
| □ TAPE COPY 1-2 | ○ TAPE 2 | ○ 1.5K.Ω |
| ○ TAPE COPY 1   | ○ TAPE 1 | ○ 100K.Ω |
| ○ PHONO         | ○ PHONO  | ○ 47K.Ω  |
| ○ OFF           | ○ TUNER  | ○ 33K.Ω  |
| ○ TUNER         | ○ AUX    | ○ 100.Ω  |
| ○ AUX           | ○        | ○ MC     |

R342, 343)

leat sink

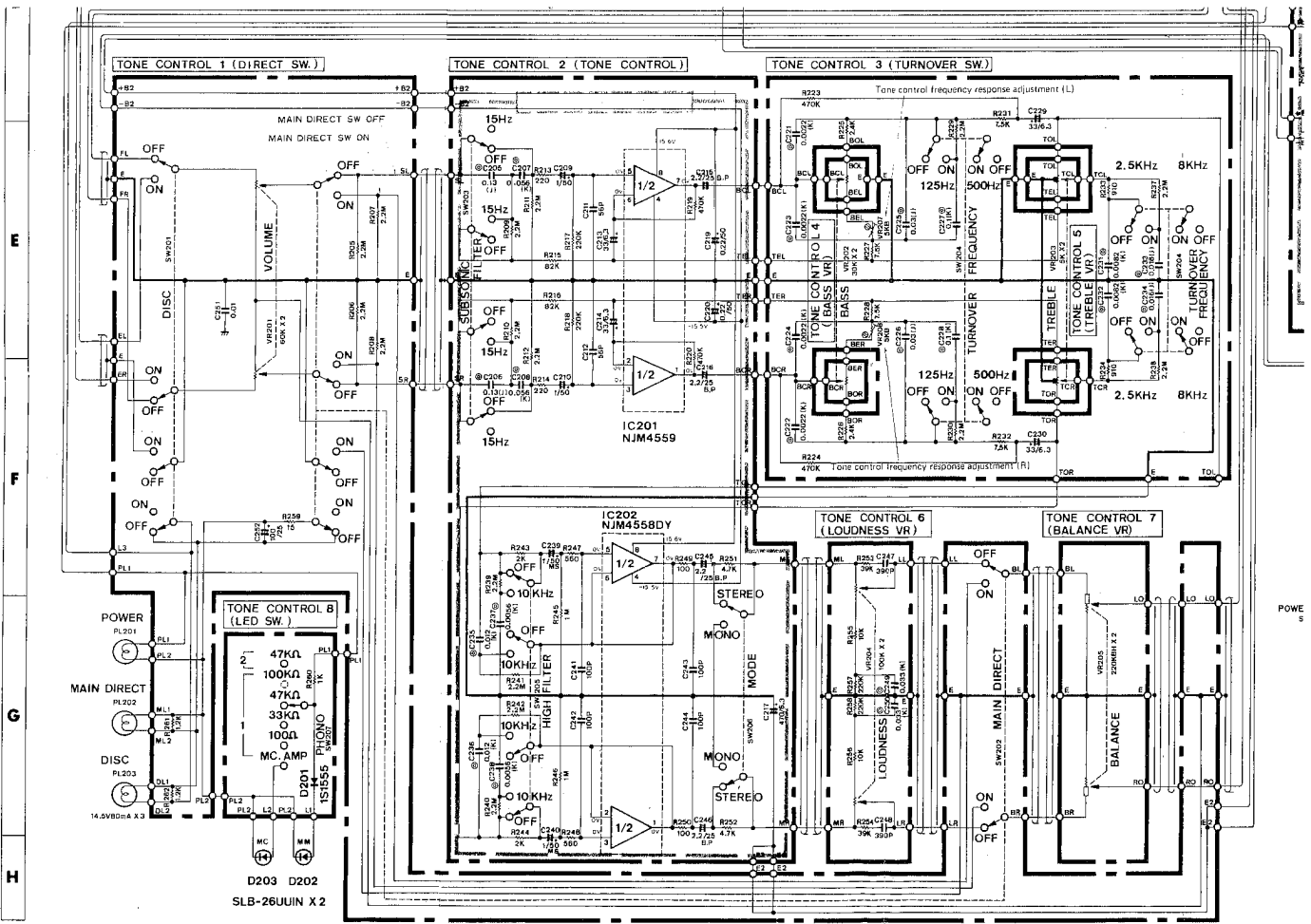
**TONE CONTROL  
 C. BOARD-1**

**TONE CONTROL  
 C. BOARD-8**

PL202 (MAIN DIRECT)  
 PL203 (DISC)

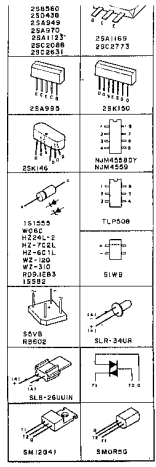
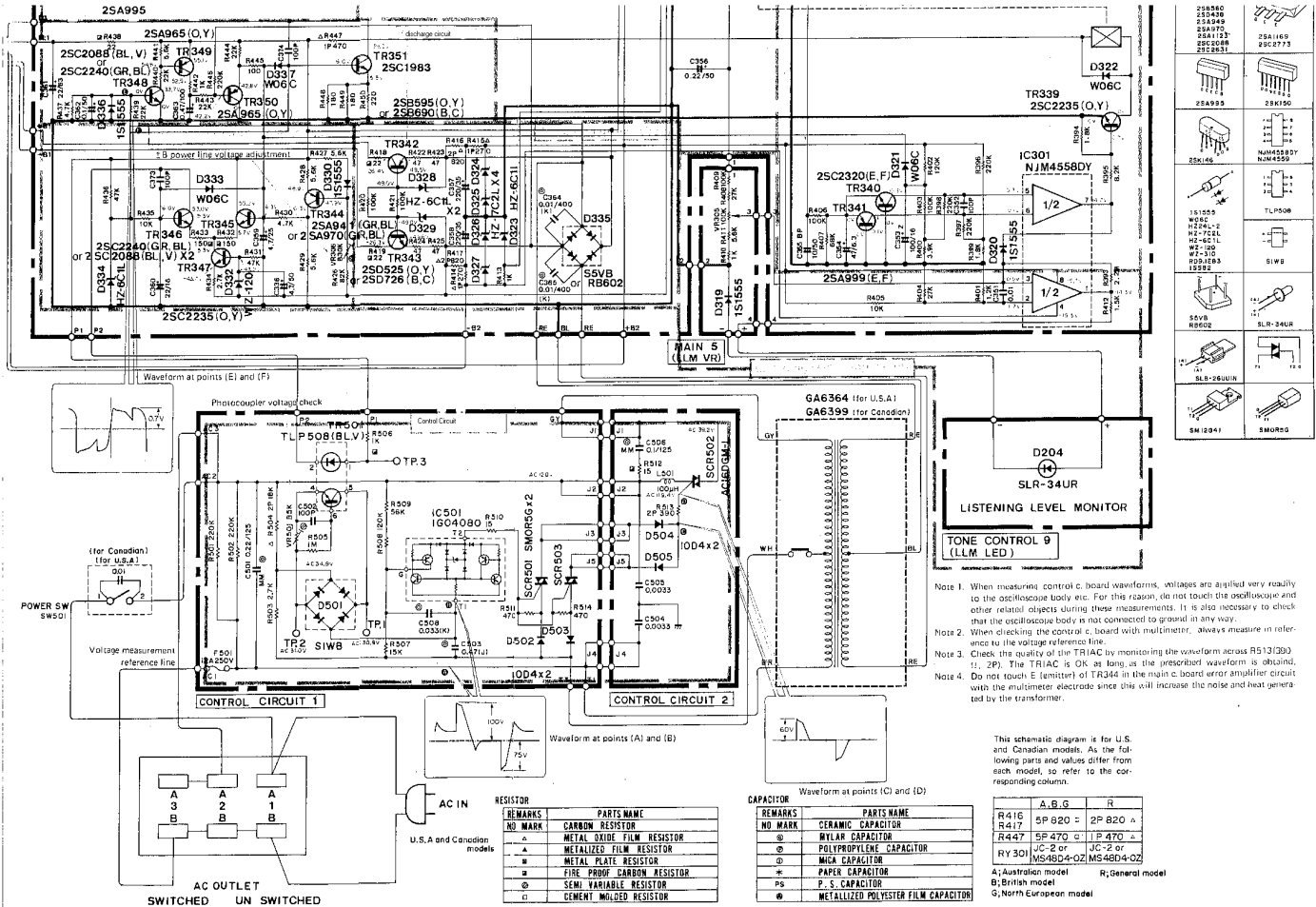






D203 D202  
SLB-26UJIN X 2

POWER



- Note 1. When measuring control c. board waveforms, voltages are amplified very highly to the oscilloscope body etc. For this reason, do not touch the oscilloscope and other related objects during these measurements. It is also necessary to check that the oscilloscope body is not connected to ground in any way.
- Note 2. When checking the control c. board with multimeter, always measure in reference to the voltage reference line.
- Note 3. Check the quality of the TRIAC by monitoring the waveform across R513(D3) (1, 2P). The TRIAC is OK as long as the preselected waveform is obtained.
- Note 4. Do not touch E terminal of TR346 in the main c. board error amplifier circuit with the multimeter electrode since this will increase the noise and heat generated by the transformer.

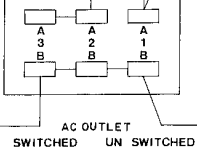
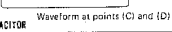
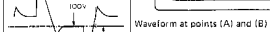
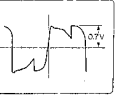
This schematic diagram is for U.S. and Canadian models. As the following parts and values differ from each model, so refer to the corresponding column.

REMARKS	PARTS NAME	A, B, G	R
R416	5P 820	2P 820	
R417			
R447	5P 470	1P 470	
RY 301	VC-2 or NS-804-02	JC-2 or MS-4804-02	

A: Australian model R: General model  
 B: British model G: North European model

REMARKS	PARTS NAME
Δ	CARBON RESISTOR
▲	METAL OXIDE FILM RESISTOR
△	METALIZED FILM RESISTOR
■	METAL PLATE RESISTOR
■	FIRE PROOF CARBON RESISTOR
⊕	SEMI VARIABLE RESISTOR
□	CEMENT MOLDED RESISTOR

REMARKS	PARTS NAME
⊖	CERAMIC CAPACITOR
⊕	MYLAR CAPACITOR
⊙	POLYPROPYLENE CAPACITOR
⊗	WICK CAPACITOR
*	PAPER CAPACITOR
⊖	P. S. CAPACITOR
⊙	METALLIZED POLYESTER FILM CAPACITOR



# PARTS LIST

## A-960

### STEREO INTEGRATED AMPLIFIER

■ CONTENTS	page
■ EXPLODED VIEW .....	1
■ PARTS LIST (Mechanism) .....	2
■ PARTS LIST (Circuit Board)	
Function C. Board .....	5
Tone Control C. Board .....	6
Main C. Board .....	8
Control C. Board .....	12

004418

SINCE 1989



**YAMAHA**

NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN

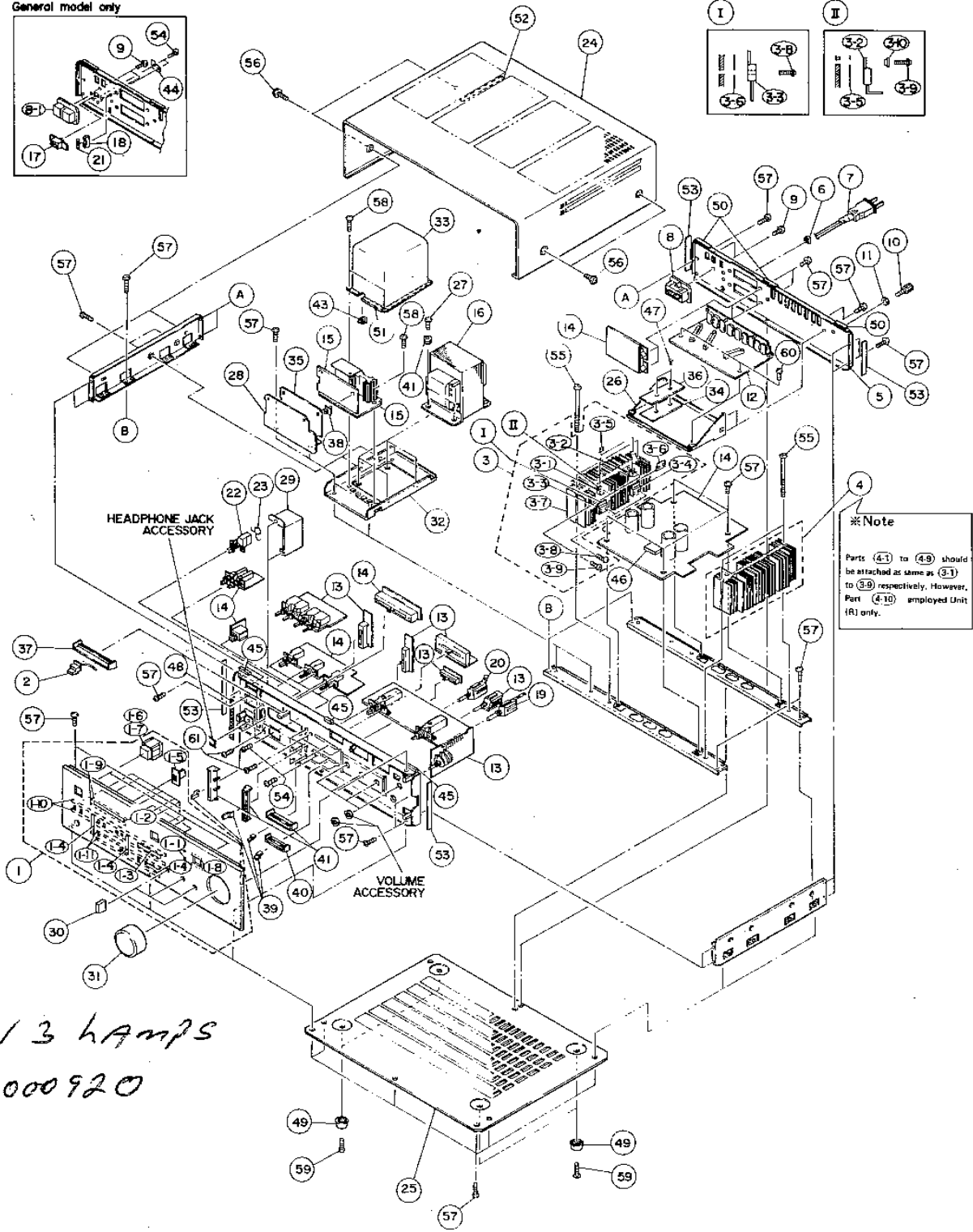
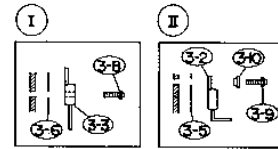
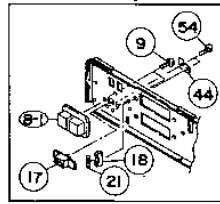
00.11, 2.42K. KT



Printed in Japan

**A-960 ■ EXPLODED VIEW**

General model only



**※Note**  
 Parts (4-1) to (4-8) should be attached as same as (3-1) to (3-9) respectively. However, Part (4-10) employed Unit (R) only.

*All 3 lamps  
 JB000920*

■ PARTS LIST (Mechanism)

A-960

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
※ 1	32:00:00 NB:09:90:10	Front Panel Unit	パネルユニット			J
※ "	32:00:00 NB:09:90:20	"	"			R, U, A, G, C, B
1-1	42:00:00 i F:00:12:40	LED iOrange SLB-26UU1N	LED角型(オレンジ)			
※ 1-2	32:00:00 CB:09:98:70	Frame	スリット枠			
※ 1-3	32:00:00 CB:09:98:80	"	"			
※ 1-4	32:00:00 CB:09:98:90	"	"			
1-5	32:00:00 NB:09:39:20	Push Button Ass'y	プッシュボタンAss'y		CR-640	
1-6	32:00:00 NB:09:14:30	"	"		A-550	
1-7	32:00:00 NB:09:14:50	"	"		A-550	
1-8	42:00:00 CB:07:41:90	Tap 5×30	ダブルタックテープ			
1-9	42:00:00 CB:07:41:90	" 5×95	"			
1-10	42:00:00 CB:07:41:90	" 5×215	"			
1-11	42:00:00 CB:07:41:90	" 5×178	"			
2	32:00:00 NB:09:79:40	LED Knob Ass'y	LEDツマミAss'y		A-760	J, R, A, G, C, B
"	32:00:00 NB:09:89:00	"	"		A-760	U
※ 3	32:00:00 NB:09:90:70	Radiator(L) Unit	ラジエター(L)ユニット			J
※ "	32:00:00 NB:09:91:50	"	"			R, U, A, G, C, B
※ 3-1	42:00:00 i A:09:68:00	Transistor 2SA968 (O.Y)	トランジスタ	Tr333		
3-2	42:00:00 i C:22:38:00	" 2SC2238 (O.Y)	"	Tr331		
※ 3-3	42:00:00 i A:11:69:00	" 2SA1169 (O.Y)	"	Tr337		
3-4	42:00:00 i C:27:73:00	" 2SC2773 (O.Y)	"	Tr335		
3-5	42:00:00 i L:00:02:70	Mica Base AC-229	マイカベース			
※ 3-6	42:00:00 i L:00:06:00	" MT-200	"			
3-7	32:00:00 BA:07:94:50	Heat Sink	放熱板		A-760	J
※ "	32:00:00 BA:07:95:10	"	"			R, U, A, G, C, B
※ 3-8	42:00:00 EK:09:50:60	Bind Head Tap-Tyte Screw (B-Tyte) 3×12 (ZMC2-Y)	鉄バインドタップタイトネジ			
3-9	42:00:00 EK:03:00:30	B.W Head Tapping Screw 2.6×12 (ZMC2-Y)	鉄B.Wヘッドタッピングネジ (2種ミソナシ)	Flange φ5.7		
3-10	32:00:00 CB:07:28:80	Isolation Bush	絶縁ブッシュ			
※ 4	32:00:00 NB:09:90:80	Radiator(R) Unit	ラジエター(R)ユニット			J
※ "	32:00:00 NB:09:91:60	"	"			R, U, A, G, C, B
※ 4-1	42:00:00 i A:09:68:00	Transistor 2SA968 (O.Y)	トランジスタ	Tr334		
4-2	42:00:00 i C:22:38:00	" 2SC2238 (O.Y)	"	Tr332		
※ 4-3	42:00:00 i A:11:69:00	" 2SA1169 (O.Y)	"	Tr338		
4-4	42:00:00 i C:27:73:00	" 2SC2773 (O.Y)	"	Tr336		
4-5	42:00:00 i L:00:02:70	Mica Base AC-229	マイカベース			
※ 4-6	42:00:00 i L:00:06:00	" MT-200	"			
4-7	42:00:00 BA:07:94:50	Heat Sink	放熱板		A-760	J
※ "	42:00:00 BA:07:95:10	"	"			R, U, A, G, C, B
※ 4-8	42:00:00 EK:09:50:60	Bind Head Tap-Tyte Screw (B-Tyte) 3×12 (ZMC2-Y)	鉄バインドタップタイトネジ			
4-9	42:00:00 EK:03:00:30	B.W Head Tapping Screw 2.6×12 (ZMC2-Y)	鉄B.Wヘッドタッピングネジ (2種ミソナシ)			
4-10	42:00:00 i C:19:83:00	Transistor 2SC1983	トランジスタ	Tr351		
4-11	32:00:00 CB:07:28:80	Isolation Bush	絶縁ブッシュ			
※ 5	32:00:00 AA:60:37:10	Rear Panel	リアパネル			J
※ "	32:00:00 AA:60:37:20	"	"			R
※ "	32:00:00 AA:60:37:30	"	"			U, C
※ "	32:00:00 AA:60:37:40	"	"			A, B
※ "	32:00:00 AA:60:37:50	"	"			G
6	42:00:00 CB:07:27:50	Cord Stopper SR-4N-4	コードストッパー			
7	42:00:00 MG:00:06:80	Power Cord (Black) 2.2m, 15A, 125V	電源コード(クロ)			J
"	42:00:00 MG:00:07:80	" ( " ) 2m, 6A, 250V	"			R
"	42:00:00 MG:00:08:90	" ( " ) 2m, 13A, 125V	"			U, C

※ : New Part (新部品)

DESTINATION ABBREVIATIONS J:Japan, R:General, U:U.S.A, C:Canadian, B:British, G:North European, A:Australian



Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
7	42:00:00 MG:00:09:10	Power Cord (Black) 2m,6A,250V	電源コード(クロ)			G
"	42:00:00 MG:00:09:20	" (Gray) 2.5m,7.5A,250V	" (ハイ)			A
"	42:00:00 MG:00:10:00	" (Black) 2m,6A300 500V	" (クロ)			B
8	42:00:00 LB:40:06:50	AC Outlet M7013-A	ACアウトレット(2連)			R
8-1	42:00:00 LB:60:29:80	" M7017-A	" (3連)			J, U, C
9	42:00:00 EN:03:00:20	Bind Head Tapping Screw 3×8 (ZMC2-Y)	鉄バインドタッピンネジ	2種ミソ		
10	42:00:00 EZ:00:14:00	Screw (for Earth Terminal) φ3×13.5 (NFNi-II)	アース端子ネジ			
11	42:00:00 EW:40:36:50	Semis Flat Washer φ3.6×φ10×10.8 (FNM3-3g)	鉄セムス平座金			
12	32:00:00 NA:07:49:80	Function Circuit Board	ファンクションシート			J, R, A, G, C, B
"	32:00:00 NA:07:49:90	"	"			U
13	32:00:00 NA:07:50:00	Tone Control Circuit Board	トーンコントロールシート			J, R, A, G, C, B
"	32:00:00 NA:07:50:10	"	"			U
14	32:00:00 NA:07:50:20	Main Circuit Board	メインシート			J
"	32:00:00 NA:07:50:30	"	"			R
"	32:00:00 NA:07:50:40	"	"			U, C
"	32:00:00 NA:07:50:50	"	"			A, G, B
15	32:00:00 NA:07:49:50	Control Circuit Board	制御シート		A-760	J
"	32:00:00 NA:07:60:90	"	"			A, G, B
"	32:00:00 NA:07:60:80	"	"			U, C
"	32:00:00 NA:07:61:00	"	"			R
16	42:00:00 GA:63:63:00	Power Transformer	電源トランス			J
"	42:00:00 GA:63:64:10	"	"			U
"	42:00:00 GA:63:65:10	"	"			G
"	42:00:00 GA:63:66:10	"	"			A, B
"	42:00:00 GA:63:99:30	"	"			C
"	42:00:00 GA:63:67:10	"	"			R
17	42:00:00 KA:40:07:40	Slide Switch (Voltage selector)	スライドSW		A-760	R
18	42:00:00 LB:20:13:00	Fuse Holder	ヒューズホルダー			R
19	42:00:00 KA:90:16:30	Remote Rotary Switch (操作+ワイヤー部)	リモートロータリーSW (IN PUT)	5接点用 φ 225		
20	42:00:00 KA:90:16:40	"	リモートロータリーSW (REC OUT)	6接点用 φ 210	A-760	
21	42:00:00 KB:00:13:00	Fuse T7A 250V	ヒューズタイラッシュ			R
22	42:00:00 KA:80:23:10	Push Switch SDV3P 5A, 125A	プッシュSW		A-760	J
"	42:00:00 KA:80:23:20	Power Switch KA802430				R, U, A, G, C, B
23	42:00:00 Fi:16:41:00	Cermic Capacitor 150V ACE (P) 0.01	セラコン		A-760	J
"	42:00:00 Fi:34:41:00	" MY (DE) 0.01	"			R, U, A, G, C, B
24	32:00:00 AA:60:36:90	Top Cover (Silver)	トップカバー			J
"	32:00:00 AA:60:50:30	" (Black)	"			R, U, A, G, C, B
25	32:00:00 AA:60:36:20	Bottom Cover	ボトムカバー		A-760	
26	32:00:00 AA:60:36:50	P.C.B Holder	シートホルダー		A-760	
27	32:00:00 AA:60:38:50	Screw with steps	段付ネジ			
28	32:00:00 AA:60:41:90	CS Holder	CSホルダー			
29	32:00:00 AA:60:50:00	Plate, Shiled	シールド板			
30	32:00:00 BA:07:94:60	Switch Knob	SWツマミ		A-760	
31	32:00:00 BA:07:95:20	Knob	ツマミ			
32	32:00:00 BA:07:96:40	Holder Transformer	トランスホルダー		A-760	
33	32:00:00 BA:07:96:50	Cover, Transformer	トランスカバー			J, R, A, G, B
"	32:00:00 BA:07:99:00	"	"			U, C
34	32:00:00 BA:08:02:90	Plate, Shiled	シールド板			
35	42:00:00 CB:60:24:30	Isolation Plate	絶縁板		A-760	
36	42:00:00 CB:60:23:20	Insulater	バリヤ			
37	32:00:00 CB:09:97:40	Slit Cover	スリットカバー		A-760	
38	32:00:00 CB:09:98:30	P.C Support	P.Cサポート		A-760	

\* : New Part (新部品)

A-960

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
* 39	32:00:00 CB:09:98:40	Knob, Slide	スライドツマミ			
* 40	32:00:00 CB:09:98:50	Cover, Slit	スリットカバー			
* 41	32:00:00 CB:09:98:60	"	"			
42	32:00:00 CB:09:99:10	Rubber, Antivibration	防振ゴム		A-760	
43	32:00:00 CB:60:05:70	Bush	リードブッシュ		A-760	
44	32:00:00 CB:60:14:40	Stopper, V.S	VSストッパー			R
* 45	32:00:00 CB:60:15:20	Rubber, Cushion	トップカバー受けゴム			
46	32:00:00 CB:60:21:80	Spacer	スペーサー			
47	42:00:00 CB:06:88:80	Plastic Rivet	プラスチックリベット			
48	42:00:00 CB:09:31:90	Tape	シャコーテープ		CA-810	
49	42:00:00 CB:09:86:00	Leg	脚			
50	42:00:00 CB:09:98:10	Rubber, Antivibration	防振ゴム		A-760	
51	42:00:00 CB:60:05:60	Cover Packing	カバーパッキン			
52	42:00:00 CB:60:05:80	Tape, Antivibration	防振テープ			
* 53	42:00:00 CB:60:14:60	Damper	ダンパー			
54	42:00:00 ED:03:00:60	Bind Head Screw 3×6 (ZMC2-Y)	鉄バインド小ネジ			
55	42:00:00 EA:04:07:50	Pan Head Screw 4×75 ( " )	鉄ナベ小ネジ			J
"	42:00:00 EK:06:50:40	B.W Head Screw 4×97 ( " )	鉄BWヘッド小ネジ			R, U, A, G, C, B
56	42:00:00 EK:13:00:20	" 4×8 (FNM3-3g)	"			J
"	42:00:00 EK:36:50:40	" 4×8 (FCM3-BI)	"			R, U, A, G, C, B
57	42:00:00 EN:33:00:20	Bind Head Tapping Screw 3×8 (ZMC2-Y)	鉄バインドタッピンネジ	2種ミソ		
58	42:00:00 EN:33:00:10	Bind Head Tapping Screw 3×8 (ZMC2-BI)	"	"		
59	42:00:00 EN:02:00:40	" 3×12 (ZMC2-Y)	"	"		
60	42:00:00 EK:93:00:10	B.W Head Tapping Screw 3×8 (ZMC2-Y)	鉄B.Wヘッドタッピンネジ	径径φ10		
61	42:00:00 ED:02:00:50	Bind Head Screw 2×5 (ZMC2-Y)	鉄バインド小ネジ			
* 32:00:00 MZ:07:94:30	Connector (Tone C.Board) Ass'y	トーンコントロール コネクター Ass'y				
42:00:00 BB:00:44:30	Connector Pin 2.5Pitch (SHF-001T-08CS)	2.5ピッチコンタクトピン				
42:00:00 LB:20:13:80	Housing 2.5Pitch (H2P-SHF)	2.5ピッチハウジング				
42:00:00 CB:07:78:70	Shield Cap 324332	シールドキャップ				
42:00:00 CB:08:74:30	313525	"				
* 32:00:00 MZ:07:94:50	Connector (Function) Ass'y	ファンクション コネクター Ass'y				
42:00:00 BB:00:44:30	Connector Pin 2.5Pitch (SHF-001T-08CS)	2.5ピッチコンタクトピン				
42:00:00 LB:30:07:20	Housing 2.5Pitch (H3P-SHF)	2.5ピッチハウジング				
42:00:00 CB:07:78:70	Shield Cap 324332	シールドキャップ				
* 32:00:00 MZ:07:94:60	Connector (Main) Ass'y	メインコネクター Ass'y				
42:00:00 BB:00:44:30	Connector Pin 2.5Pitch (SHF-001T-08CS)	2.5ピッチコンタクトピン				
42:00:00 LB:20:13:80	Housing 2.5Pitch (H2P-SHF)	2.5ピッチハウジング				
42:00:00 LB:30:07:20	" (H3P-SHF)	"				
42:00:00 LB:40:05:60	" (H4P-SHF)	"				
42:00:00 CB:07:78:70	Shield Cap 324332	シールドキャップ				
32:00:00 NB:07:62:40	Accessories Assembly	付属品 Ass'y			A-760	
42:00:00 TX:90:07:80	Hexagonal Wrench 1.5φ	六角レンチ 1.5φ				

\* : New Part (新部品)

**A-960 ■ PARTS LIST (Circuit Board)**

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
* 32:00:00	NA:07:49:80	Function Circuit Board	ファンクションシート			J, R, A, G, C, B
* 32:00:00	NA:07:49:90	"	"			U
C101 C102	FA:11:31:00	Mylar Capacitor 0.001 $\mu$ F 50V MS(K)	マイラーコン			
* C103 C104	FT:51:22:20	Polypropylene Film Capacitor 220PF 50V(K)	ポリプロコン			
C105 ~108	FA:11:41:00	Mylar Capacitor 0.01 $\mu$ F 50V MS(K)	マイラーコン			
C109 C110	FA:11:32:20	" 0.0022 $\mu$ F "	"			
C111 C112	UW:81:91:00	Electrolytic Capacitor 1000 $\mu$ F 6.3V	ケミコン小形自立形			
* C113 C114	FT:76:45:60	Polypropylene Film Capacitor 0.056 $\mu$ F 50V (G)	ポリプロコン自立形			
* C115 C116	FT:76:41:60	" 0.016 $\mu$ F "	"			
C117 C118	FU:35:14:70	Mica Capacitor 47PF FE100V (J)	マイカコン			
C119 C120	FG:54:41:00	Ceramic Capacitor 0.01 $\mu$ F 50V F (Z)	フォーミングセラコン			
C121 C122	FA:11:33:90	Mylar Capacitor 0.0039 $\mu$ F 50V MS(K)	マイラーコン			
C123 C124	UW:83:71:00	Electrolytic Capacitor 10 $\mu$ F 16V	ケミコン小形自立形			
* C125 C126	UA:55:61:00	Mylar Capacitor 1 $\mu$ F 50V	マイラーコン			
C127 C128	FV:26:72:20	Electrolytic Capacitor 22 $\mu$ F 50V <sup>LNG</sup> UKN(M)	ケミコンLNG			
C129	FA:11:41:00	Mylar Capacitor 0.01 $\mu$ F 50V MS (K)	マイラーコン			
C130	FA:11:45:60	" 0.056 $\mu$ F 50V (K)	"			
R101 ~104	HJ:35:42:20	Carbon Resistor RD25, SM-8 22 $\Omega$	カーボン抵抗			
R105 R106	HJ:35:79:10	" 91K $\Omega$	"			
R107 R108	HJ:35:75:10	" 51K $\Omega$	"			
R109 R110	HJ:35:51:00	" 100 $\Omega$	"			
R111 R112	HJ:35:81:00	" 100K $\Omega$	"			
R113 R114	HJ:35:74:70	" 47K $\Omega$	"			
R115 R116	HJ:35:71:00	" 10K $\Omega$	"			
R117 R118	HN:75:62:20	" 2.2K $\Omega$	"			
R119 ~122	HJ:35:44:70	" 47 $\Omega$	"			
R113 R124	HJ:35:42:20	" 22 $\Omega$	"			
R115 R126	HN:75:51:00	" 100 $\Omega$	"			
* R127 R128	HN:75:36:80	" 6.8 $\Omega$	"			
R129 R130	HJ:35:73:30	" 33K $\Omega$	"			
* R131 R132	HN:75:76:20	" 62K $\Omega$	"			
R133 R134	HJ:35:88:20	" 820K $\Omega$	"			
* R135 R136	HN:75:64:70	" 4.7K $\Omega$	"			
R137 R138	HJ:35:51:00	" 100 $\Omega$	"			
R139 R140	HJ:35:55:60	" 560 $\Omega$	"			
R141 R142	HJ:35:51:50	" 150 $\Omega$	"			
R143 R144	HJ:35:51:20	" 120 $\Omega$	"			
R145 R146	HJ:35:62:20	" 2.2K $\Omega$	"			
R147 R148	HJ:35:75:60	" 56K $\Omega$	"			
R149 ~152	HJ:35:44:70	" 47 $\Omega$	"			
R153 R154	HJ:35:55:60	" 560 $\Omega$	"			
R155 ~158	HJ:35:81:20	" 120K $\Omega$	"			
R159	HJ:35:72:20	" 22K $\Omega$	"			
R160 R161	HJ:35:55:60	" 560 $\Omega$	"			
R163 R164	HN:75:63:30	Carbon Resistor RD25UC (J) 3.3K $\Omega$	カーボン抵抗			
T101 T102	i A:09:99:10	Transistor 2SA999 (E,F)	トランジスタ			
T103 ~106	i C:23:20:30	" 2SC2320L	"			
T107 T108	i E:10:22:40	Dual FET 2SK146 (GR,BL,V)	デュアルFET			
T109 ~112	i A:09:99:10	Transistor 2SA999 (E,F)	トランジスタ			

\* : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
Tr113 -114	42:00:00 IC:22:35:00	Transistor 2SC2235 (O,Y)	トランジスタ	Inter-changeable (併用)		
"	42:00:00 ID:04:38:00	" 2SD438	"			
Tr115 Tr116	42:00:00 IC:23:20:10	" 2SC2320 (E,F)	"			
Tr117 -119	42:00:00 IA:09:65:00	" 2SA965 (O,Y)	"	Inter-changeable (併用)		
"	42:00:00 IB:05:60:00	" 2SB560	"			
Tr120	42:00:00 IC:22:35:00	" 2SC2235 (O,Y)	"	Inter-changeable (併用)		
"	42:00:00 ID:04:38:00	" 2SD438	"			
D101 D102	42:00:00 IF:00:00:40	Diode IS1555	ダイオード			
D103	42:00:00 IF:00:02:20	Zener Diode WZ-310	ツェナーダイオード			
D104 D105	42:00:00 IF:00:00:40	Diode IS1555	ダイオード			
※ D106 D107	42:00:00 IF:00:20:90	Zener Diode HZ24L-2	ツェナーダイオード			
※ D109 D110	42:00:00 IF:00:16:80	Zener Diode RD9.1EB3	ツェナーダイオード			
※ SW101	42:00:00 KA:90:16:00	Remote Rotary Switch	リモートロータリーSW	SW部 S6回路B接点		
SW102 SW103	42:00:00 KA:90:12:30	"	"	SW部 NS4回路B接点		
PJ101	42:00:00 LB:40:06:60	4P Pin Jack	4Pピンジャック			
PJ102 PJ103	42:00:00 LB:60:19:30	6P Pin Jack	6Pピンジャック			
※	42:00:00 LB:20:13:90	Base Pin 2.5 Pitch 2P B2P-SHF	2.5ピッチベースピン			
※	32:00:00 AA:60:37:60	Shield Plate	シールド板			
※	32:00:00 NA:07:50:00	Tone Control Circuit Board	トーンコントロールシート			J, R, A, G, C, B
※	32:00:00 NA:07:50:10	"	"			U
※ C205 C206	42:00:00 FA:45:51:30	Mylar Capacitor 0.13 $\mu$ F 50V MS(J)	マイラーコン			
C207 C208	42:00:00 FA:41:45:60	" 0.056 $\mu$ F 50V MS(K)	"			
C209 C210	42:00:00 UW:86:61:00	Electrolytic Capacitor 1 $\mu$ F 50V	ケミコン小形自立形			
C211 C212	42:00:00 FG:51:15:60	Ceramic Capacitor 56PF 50V SL(K)	フォーミングセラコン			
C213 C214	42:00:00 UW:81:73:30	Electrolytic Capacitor 33 $\mu$ F 6.3V	ケミコン小形自立形			
C215 C216	42:00:00 FM:22:62:20	" 2.2 $\mu$ F 25V	ケミコン			
C217	42:00:00 UW:81:84:70	Electrolytic Capacitor 470 $\mu$ F 6.3V	ケミコン小形自立形			
C219 C220	42:00:00 UW:56:52:20	Electrolytic Capacitor 470 $\mu$ F 6.3V	ケミコン小形自立形			
C221 -224	42:00:00 FA:41:32:20	Mylar Capacitor 0.0022 $\mu$ F 50V MS(K)	マイラーコン			
※ C225 C226	42:00:00 FA:45:43:00	" 0.03 $\mu$ F 50V MS(J)	"			
C227 C228	42:00:00 FA:41:51:00	" 0.1 $\mu$ F 50V MS(K)	"			
C229 C230	42:00:00 UW:81:73:30	Electrolytic Capacitor 33 $\mu$ F 6.3V	ケミコン小形自立形			
C231 C232	42:00:00 FA:41:38:20	Mylar Capacitor 0.0082 $\mu$ F 50V MS(K)	マイラーコン			
※ C233 C234	42:00:00 FA:45:41:60	" 0.016 $\mu$ F 50V MS(J)	"			
C235 C236	42:00:00 FA:41:41:20	" 0.012 $\mu$ F 50V MS(K)	"			
C237 C238	42:00:00 FA:41:35:60	" 0.0056 $\mu$ F "	"			
C239 C240	42:00:00 FZ:00:05:70	Electrolytic Capacitor MS 1 $\mu$ F 50V	ケミコンMS			
C241 -244	42:00:00 FG:51:21:00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C245 C246	42:00:00 FM:22:62:20	Electrolytic Capacitor 2.2 $\mu$ F 25V	ケミコン			
※ C247 C248	42:00:00 FG:51:23:90	Ceramic Capacitor 390PF 50V SL(K)	フォーミングセラコン			
C249 C250	42:00:00 FA:41:43:30	Mylar Capacitor 0.033 $\mu$ F 50V MS(K)	マイラーコン			
C251	42:00:00 FG:54:41:00	Ceramic Capacitor 0.01 $\mu$ F 50V F(Z)	フォーミングセラコン			
C252	42:00:00 UW:84:81:00	Electrolytic Capacitor 100 $\mu$ F 25V	ケミコン小形自立形			

※ : New Part (新部品)

A-960

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R205 R212	42:00:00 HJ 35:92:20	Carbon Resistor RD25, SM-8 2.2MΩ	カーボン抵抗			
R213 R214	42:00:00 HJ 35:52:20	" 220Ω	"			
R215 R216	42:00:00 HJ 35:78:20	" 82KΩ	"			
R217 R218	42:00:00 HJ 35:82:20	" 220KΩ	"			
R219 R220	42:00:00 HJ 35:84:70	" 470KΩ	"			
R223 R224	42:00:00 HJ 35:84:70	" 470KΩ	"			
R225 R226	42:00:00 HJ 35:62:40	" 2.4KΩ	"			
R227 R228	42:00:00 HJ 35:67:50	" 7.5KΩ	"			
R229 R230	42:00:00 HJ 35:92:20	" 2.2MΩ	"			
R231 R232	42:00:00 HJ 35:67:50	" 7.5KΩ	"			
R233 R234	42:00:00 HJ 35:59:10	" 910Ω	"			
R237 R242	42:00:00 HJ 35:92:20	" 2.2MΩ	"			
R243 R244	42:00:00 HJ 35:62:20	" 2KΩ	"			
R245 R246	42:00:00 HJ 35:91:00	" 1MΩ	"			
R247 R248	42:00:00 HJ 35:55:60	" 560Ω	"			
R249 R250	42:00:00 HJ 35:51:00	" 100Ω	"			
R251 R252	42:00:00 HJ 35:64:70	" 4.7KΩ	"			
R253 R254	42:00:00 HJ 35:73:90	" 39KΩ	"			
R255 R256	42:00:00 HJ 35:71:00	" 10KΩ	"			
R257 R258	42:00:00 HJ 35:82:20	" 220KΩ	"			
R259	42:00:00 HJ 35:41:50	" 15Ω	"			
R260	42:00:00 HJ 35:61:00	" 1KΩ	"			
R261 R262	42:00:00 HJ 35:61:20	" 1.2KΩ	"			
* VR201	42:00:00 HS 32:06:60	Variable Resistor φ24 60KΩ×2	メインVR '24 1軸2連			Volume
* VR202	42:00:00 HQ 42:02:10	Slide Variable Resistor 30KΩ×2	スライドFVR	30mm		BASS
* VR203	42:00:00 HQ 42:02:20	" 5KΩ×2	"	"		TREBLE
* VR204	42:00:00 HQ 41:00:50	" 100KΩ×2	タテ型スライドFVR	45mm		LOUDNESS
* VR205	42:00:00 HQ 42:01:20	" 220KBH×2	スライドFVR	30mm		BALANCE
VR207 VR208	42:00:00 HT 37:00:50	Semi Variable Resistor EVN-K4A B5K	半固定VR		Inter-changeable (併用)	
* "	42:00:00 HT 77:00:50	" KVSFB-7PNF B5K	"			
D201	42:00:00 IF 00:00:40	Diode IS1555	ダイオード			
IC201	42:00:00 IG 03:96:00	IC NJM4559	IC			
IC202	42:00:00 IG 02:84:00	" NJM4558DY	"			
PL201 PL203	42:00:00 JB 00:06:80	Pilot Lamp Lead Type 80mA 14.5V	パイロットランプリード式			
SW201	42:00:00 KA 80:16:90	Push Switch (4 Circuit)	プッシュSW単連NS		A-760	DISC
* SW202	42:00:00 KA 80:17:40	KA8033106 Circuit	MAIN DIRECT SWITCH			
SW203	42:00:00 KA 80:16:90	" (4 Circuit)	"		A-760	
"	42:00:00 KA 80:08:70	" SUF14 ( " )	"		Inter-changeable (併用)	
* SW204	42:00:00 KA 80:17:10	" (2 Circuit)	" 4連 2連動NS			
* "	42:00:00 KA 80:22:40	" ( " )	"			
SW205	42:00:00 KA 80:16:90	" (4 Circuit)	" 単連NS		A-760	
"	42:00:00 KA 80:08:70	" SUF14 ( " )	"			
* SW206	42:00:00 KA 80:17:20	" (2 Circuit)	"			
* "	42:00:00 KA 80:22:30	" ( " )	"			

all parts n/v

\* : New Part (新部品)

7 MODIFICATION - 3 HV454220 RESISTORS Flame proof  
3 ZENOR DIODES - Douglas - 1.00  
1-70 ea

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
* SW207	42:00:00 KA:90:16:10	Remote Rotary Switch	リモートロータリーSW	操作部 1=200 ワイヤー部SW付		
	42:00:00 LB:20:13:90	2.5Pitch Base Pin THB2P-SHF	2.5ピッチベースピン			
	42:00:00 LB:30:07:30	" TEB3P-SHF	"			
	42:00:00 LB:40:05:70	" TEB4P-SHF	"			
	42:00:00 LA:00:21:10	Wrapping Pin $T_{Vpe}$ 2P P=5	i型ラッピング端子板			
* 32:00:00	NA:07:50:20	Main Circuit Board	メインシート			J
* 32:00:00	NA:07:50:30	"	"			R
* 32:00:00	NA:07:50:40	"	"			U.C
* 32:00:00	NA:07:50:50	"	"			A.G.B
C301 C302	42:00:00 FU:35:21:00	Mica Capacitor 100PF FE100V(J)	マイカコン			
C303 C304	42:00:00 FV:29:64:70	Electrolytic Capacitor LNG 4.7 $\mu$ F 100V UKN(M)	ケミコン LNG UKN(M)			
C305 C306	42:00:00 FA:11:31:00	Mylar Capacitor 0.001 $\mu$ F 50V MS(K)	マイラーコン			
C307 C308	42:00:00 FU:35:07:00	Mica Capacitor 7PF FE 100V (J)	マイカコン			
C309 C310	42:00:00 FU:35:11:00	" 10PF "	"			
C311 C312	42:00:00 FV:29:61:00	Electrolytic Capacitor LNG 1 $\mu$ F 100V UKN(M)	ケミコン LNG UKN(M)			
C313 C314	42:00:00 FV:29:64:70	" 4.7 $\mu$ F 100V	"			
C315 C316	42:00:00 FU:35:11:50	Mica Capacitor 15PF FE 100V (J)	マイカコン			
C317 C318	42:00:00 UW:84:64:70	Electrolytic Capacitor 4.7 $\mu$ F 25V	ケミコン小形自立形			
C319 -322	42:00:00 FA:11:31:00	Mylar Capacitor 0.001 $\mu$ F 50V MS(K)	マイラーコン			
C323 -326	42:00:00 FG:54:44:70	Ceramic Capacitor 0.047 $\mu$ F 50V F (Z)	フォーミングセラコン			
C327 -330	42:00:00 FG:51:31:00	" 0.001 $\mu$ F B(K)	"			
C331 -334	42:00:00 FU:35:11:00	Mica Capacitor 10PF FE100V(J)	マイカコン			
C335 -338	42:00:00 FA:11:31:50	Mylar Capacitor 0.0015 $\mu$ F 50V MS(K)	マイラーコン			
C339 -342	42:00:00 FA:11:51:00	" 0.1 $\mu$ F "	"			
C343 -346	42:00:00 FA:11:41:00	" 0.01 $\mu$ F "	"			
* C347 -350	42:00:00 FM:93:97:50	Electrolytic Capacitor 7.500 $\mu$ F 63V	ブロックケミコン	Inter-changeable (併用)		
* 42:00:00	FM:94:97:50	"	"			
C351	42:00:00 FG:54:41:00	Ceramic Capacitor 0.01 $\mu$ F 50V F(Z)	フォーミングセラコン			
C352	42:00:00 FG:51:21:00	" 100PF 50V SL(K)	"			
C353	42:00:00 FM:39:81:00	Electrolytic Capacitor 100 $\mu$ F 16V	Zコン			
C354	42:00:00 UW:81:74:70	" 47 $\mu$ F 6.3V	ケミコン小形自立形			
C355	42:00:00 FM:11:71:00	" 10 $\mu$ F 50V	B・Pコン			
C356	42:00:00 UW:56:52:20	" 0.22 $\mu$ F 50V	ケミコン小形自立形			
C357 C358	42:00:00 UW:85:82:20	" 220 $\mu$ F 35V	"			
C359	42:00:00 UW:84:64:70	" 4.7 $\mu$ F 25V	"			
C360	42:00:00 UW:83:72:20	" 22 $\mu$ F 16V	"			
* C361	42:00:00 UW:67:72:20	" 22 $\mu$ F 63V	"			
* C362	42:00:00 UW:56:51:00	" 0.1 $\mu$ F 50V	"			
* C363	42:00:00 UW:69:54:70	" 0.47 $\mu$ F 100V	"			
C364 C365	42:00:00 FC:04:41:00	Mylar Capacitor 0.01 $\mu$ F 400V MS(K)	マイラーコン			
* C366	42:00:00 UW:56:64:70	Electrolytic Capacitor 4.7 $\mu$ F 50V	ケミコン小形自立形			
C367 C368	42:00:00 FG:54:41:00	Ceramic Capacitor 0.01 $\mu$ F 50V F (Z)	フォーミングセラコン			
C369 -372	42:00:00 FC:10:61:00	Mylar Capacitor .MM 1 $\mu$ F 100V	MMコン			
C373 C374	42:00:00 FG:51:21:00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
L301 L302	42:00:00 GD:90:02:80	Spring Coil 3 $\mu$ H	スプリングコイル			
R301 R302	42:00:00 HJ:35:64:70	Carbon Resistor RD25 SM-8 4.7K $\Omega$	カーボン抵抗			
R303 R304	42:00:00 HJ:35:92:20	" 2.2M $\Omega$	"			
R305 -308	42:00:00 HV:35:55:60	Flame Proof Carbon Resistor RDF25 560 $\Omega$	不燃化カーボン抵抗			

\* : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R309 R310	42:00:00 HJ:35:55:60	Carbon Resistor RD25, SM-8	560Ω	カーボン抵抗		
R311 -316	42:00:00 HJ:35:42:70	"	27Ω	"		
R317 R318	42:00:00 HJ:35:71:00	"	10KΩ	"		
R319 R320	42:00:00 HJ:35:61:50	"	1.5KΩ	"		
R321 R322	42:00:00 HJ:35:73:90	"	33KΩ	"		
R323 R324	42:00:00 HJ:35:52:70	"	270Ω	"		
R325 R326	42:00:00 HJ:35:75:60	"	58KΩ	"		
R327 R328	42:00:00 HJ:35:65:60	"	5.6KΩ	"		
R329 -332	42:00:00 HJ:35:74:70	"	47KΩ	"		
R333 -338	42:00:00 HV:35:52:20	Flame Proof Carbon Resistor RDF25	220Ω	不燃化カーボン抵抗		
R339 -342	42:00:00 HJ:35:41:00	Carbon Resistor RD25, SM-8	10Ω	カーボン抵抗		
R343 R344	42:00:00 HJ:35:61:50	"	1.5KΩ	"		
R345 R346	42:00:00 HJ:35:81:20	"	120KΩ	"		
R347 R348	42:00:00 HV:35:55:60	Flame Proof Carbon Resistor RDF25	560Ω	不燃化カーボン抵抗		
R349 R350	42:00:00 HJ:35:62:20	Carbon Resistor RD25, SM-8	2.2KΩ	カーボン抵抗		
R351 -354	42:00:00 HV:35:53:90	Flame Proof Carbon Resistor RDF25	390Ω	不燃化カーボン抵抗		
R355 -358	42:00:00 HJ:35:63:30	Carbon Resistor RD25, SM-8	3.3KΩ	カーボン抵抗		
R359 R360	42:00:00 HV:35:61:80	Flame Proof Carbon Resistor RDF25	1.8KΩ	不燃化カーボン抵抗		
R361 -364	42:00:00 HV:35:54:70	"	470Ω	"		
R365 -370	42:00:00 HV:35:45:60	"	56Ω	"		
R371 -374	42:00:00 HV:35:42:20	"	22Ω	"		
* R375 -378	42:00:00 HV:35:35:60	"	5.6Ω	"		
* R379 R380	42:00:00 HZ:00:15:80	Dual Metal Plate Resistor 5P	0.33Ω	デュアル金属板抵抗		A,G,C
R381 R382	42:00:00 HJ:35:61:00	Carbon Resistor RD25, SM-8	1KΩ	カーボン抵抗		
R383 R384	42:00:00 HL:81:34:70	Metal Oxide Film Resistor 1P	4.7Ω	酸化抵抗		
* R385 R386	42:00:00 HM:52:41:00	Cement Resistor MO-4S(K) 2P	10Ω	セメント抵抗		
R387 R388	42:00:00 HJ:35:41:00	Carbon Resistor RD25, SM-8	10Ω	カーボン抵抗		
R389 R390	42:00:00 HJ:35:72:20	"	22KΩ	"		
R391 R392	42:00:00 HL:82:52:70	Metal Oxide Film Resistor 2P	270Ω	酸化抵抗		
R393	42:00:00 HJ:35:92:20	Carbon Resistor RD25, SM-8	2.2MΩ	カーボン抵抗		
R394	42:00:00 HJ:35:61:80	"	1.8KΩ	"		
R395	42:00:00 HJ:35:68:20	"	8.2KΩ	"		
R396 -398	42:00:00 HJ:35:82:20	"	220KΩ	"		
R399	42:00:00 HJ:35:61:80	"	1.8KΩ	"		
R400	42:00:00 HJ:35:63:90	"	3.9KΩ	"		
R401	42:00:00 HJ:35:61:20	"	1.2KΩ	"		
R402	42:00:00 HJ:35:81:20	"	120KΩ	"		
R403	42:00:00 HJ:35:81:00	"	100KΩ	"		
R404	42:00:00 HJ:35:72:70	"	27KΩ	"		
R405	42:00:00 HJ:35:71:00	"	10KΩ	"		
R406	42:00:00 HJ:35:81:00	"	100KΩ	"		
R407	42:00:00 HJ:35:76:80	"	68KΩ	"		
R408	42:00:00 HJ:35:72:70	"	27KΩ	"		
R409	42:00:00 HJ:35:81:00	"	100KΩ	"		
R410	42:00:00 HJ:35:61:00	"	1KΩ	"		
R411	42:00:00 HJ:35:65:60	"	5.6KΩ	"		
R412	42:00:00 HJ:35:61:50	"	1.5KΩ	"		
R413	42:00:00 HJ:35:61:00	"	1KΩ	"		
R414 R415	42:00:00 HL:81:53:90	Metal Oxide Film Resistor 1P	390Ω	酸化抵抗		J
* " 42:00:00 HL:81:52:70	"	1P	270Ω	"		R, U, A, G, C, B
* R416 R417	42:00:00 HL:82:58:20	"	2P	820Ω	"	J, R, U, C
" 42:00:00 HM:55:58:20	Cement Resistor MO-4S(K) 1P	270Ω	セメント抵抗			A, G, B
R418 R419	42:00:00 HV:35:42:20	Flame Proof Carbon Resistor RDF25	22Ω	不燃化カーボン抵抗		

\* : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
R420 R421	42:00:00 HJ:35:81:00	Carbon Resistor RD25, SM-8 100K $\Omega$	カーボン抵抗			
R422 ~425	42:00:00 HJ:35:44:70	" 47 $\Omega$	"			
R426	42:00:00 HJ:35:78:20	" 82K $\Omega$	"			
R427 ~429	42:00:00 HJ:35:85:60	" 5.6K $\Omega$	"			
R430	42:00:00 HJ:35:64:70	" 4.7K $\Omega$	"			
R431	42:00:00 HJ:35:74:70	" 47K $\Omega$	"			
R432 R433	42:00:00 HV:35:51:50	Flame Proof Carbon Resistor RDF25 150 $\Omega$	不燃化カーボン抵抗			
R434	42:00:00 HJ:35:62:70	Carbon Resistor RD25, SM-8 2.7K $\Omega$	カーボン抵抗			
R435	42:00:00 HJ:35:71:00	" 10K $\Omega$	"			
R436	42:00:00 HJ:35:74:70	" 47K $\Omega$	"			
R437	42:00:00 HJ:35:64:70	" 4.7K $\Omega$	"			
R438	42:00:00 HV:35:45:60	Flame Proof Carbon Resistor RDF25 22 $\Omega$	不燃化カーボン抵抗			
R439 R440	42:00:00 HJ:35:72:20	Carbon Resistor RD25, SM-8 22K $\Omega$	カーボン抵抗			
R441	42:00:00 HJ:35:65:60	" 5.6K $\Omega$	"			
R442	42:00:00 HJ:35:61:00	" 1K $\Omega$	"			
R443 R444	42:00:00 HJ:35:72:20	" 22K $\Omega$	"			
R445	42:00:00 HJ:35:51:00	" 100 $\Omega$	"			
R446	42:00:00 HJ:35:82:20	" 220K $\Omega$	"			
* R447	42:00:00 HL:81:54:70	Metal Oxide Film Resistor 1P 470 $\Omega$	酸化抵抗			R, U, C
"	42:00:00 HL:81:56:80	" 1P 680 $\Omega$	"			J
"	42:00:00 HM:55:54:70	Cement Resistor MO-4S (K) 5P 470 $\Omega$	セメント抵抗			A, G, B
R448 R449	42:00:00 HJ:35:51:80	Carbon Resistor RD25, SM-8 180 $\Omega$	カーボン抵抗			
R450	42:00:00 HJ:35:52:20	" 220 $\Omega$	"			
R451 R452	42:00:00 HJ:35:85:60	" 560K $\Omega$	"			R, U, A, G, C, B
R453 R454	42:00:00 HV:35:55:60	Flame Proof Carbon Resistor RDF25 560 $\Omega$	不燃化カーボン抵抗			R, U, A, G, C, B
VR301 VR302	42:00:00 HY:00:09:60	Variable Resistor B100 $\Omega$	メタルグレースVR			
VR303 VR304	42:00:00 HT:37:00:10	Semi Variable Resistor EVN-K4A B1K $\Omega$	半固定VR	Inter-changeable (併用)		
"	42:00:00 HT:77:00:30	" KVSF8-7PNFX B1K $\Omega$	"			
* VR305	42:00:00 HQ:20:02:60	Slide Variable Resistor 100K $\Omega$	スライドVR			
VR306	42:00:00 HT:37:00:90	Semi Variable Resistor EVN-K4A B30K $\Omega$	半固定VR	Inter-changeable (併用)		
"	42:00:00 HT:77:01:50	" KVSF8-7PNFX B50K $\Omega$	"			
Tr 301 Tr 302	42:00:00 i A:09:95:00	Dual Transistor 2SA995	デュアルトランジスタ			
Tr 303 ~306	42:00:00 i C:20:88:00	Transistor 2SC2088 (BL,V)	トランジスタ			
Tr 307 Tr 308	42:00:00 i E:10:14:10	Dual FET 2SK150 (GR, BL)	デュアルFET			
Tr 309 ~312	42:00:00 i A:07:33:40	Transistor 2SA733 (Q, P)	トランジスタ			
Tr 313 Tr 314	42:00:00 i A:09:49:00	" 2SA949 (O,Y)	"			
"	42:00:00 i A:11:23:00	" 2SA1123 (Q,R,S)	"			
Tr 316 Tr 316	42:00:00 i A:09:49:00	" 2SA949 (O,Y)	"	Inter-changeable (併用)		
"	42:00:00 i A:11:23:00	" 2SA1123 (Q,R,S)	"			
* Tr 317 Tr 318	42:00:00 i A:09:99:40	" 2SA999 (E)	"			
Tr 319 Tr 320	42:00:00 i C:22:29:00	" 2SC2229 (O,Y)	"	Inter-changeable (併用)		
"	42:00:00 i C:26:31:00	" 2SC2631 (Q,R,S)	"			
Tr 321 Tr 322	42:00:00 i C:23:20:10	" 2SC2320 (E,F)	"			
Tr 323 Tr 324	42:00:00 i C:04:58:80	" 2SC458 (B,C)	"			R, U, A, G, C, B
Tr 325 Tr 326	42:00:00 i A:09:99:10	" 2SA999 (E,F)	"			
Tr 327 Tr 328	42:00:00 i C:22:40:00	" 2SC2240 (GR,BL)	"			
Tr 329 Tr 330	42:00:00 i A:09:70:00	" 2SA970 (GR,BL)	"			
Tr 331 Tr 332	42:00:00 i C:22:38:00	" 2SC2238 (O,Y)	"			
* Tr 333 Tr 334	42:00:00 i A:09:68:00	" 2SA968 (O,Y)	"			
Tr 335 Tr 336	42:00:00 i C:27:73:00	" 2SC2773 (O,Y)	"			
* Tr 337 Tr 338	42:00:00 i A:11:69:00	" 2SA1169 (O,Y)	"			

\* : New Part (新部品)



A-960

Ref. No.	Part No.		Description	(部 品 名)	Remarks	Common model	Markets
Tr 339	42:00:00	i C:22:35:00	Transistor	2SC2235 (O,Y)	トランジスタ		
Tr 340	42:00:00	i C:23:20:10	"	2SC2320 (E,F)	"		
Tr 341	42:00:00	i A:09:99:10	"	2SA999 (E,F)	"		
Tr 342	42:00:00	i B:05:95:20	"	2SB595 (O,Y)	"	Inter-changeable (併用)	
"	42:00:00	i B:06:90:00	"	2SB690 (B,C)	"		
Tr 343	42:00:00	i D:05:25:20	"	2SD525 (O,Y)	"	}	
"	42:00:00	i D:07:26:00	"	2SD726 (B,C)	"		
Tr 344	42:00:00	i A:09:70:00	"	2SA970 (GR,BL)	"	}	
"	42:00:00	i A:09:41:00	"	2SA941 (GR,BL)	"		
Tr 345 Tr 346	42:00:00	i C:22:40:00	"	2SC2240 (GR,BL)	"	}	
"	42:00:00	i C:20:88:00	"	2SC2088 (BL,V)	"		
Tr 347	42:00:00	i C:22:35:00	"	2SC2235 (O,Y)	"	}	
Tr 348	42:00:00	i C:22:40:00	"	2SC2240 (GR,BL)	"		
"	42:00:00	i C:20:88:00	"	2SC2088 (BL,V)	"	}	
Tr 349 Tr 350	42:00:00	i A:09:65:00	"	2SA965 (O,Y)	"		
D301 -320	42:00:00	i F:00:00:40	Diode	IS1555	ダイオード		
D321 D322	42:00:00	i H:00:07:10	"	W06C	"		
D323	42:00:00	i F:00:15:10	Zener Diode	HZ-6C1L	ツェナーダイオード		
* D324 -327	42:00:00	i F:00:21:00	"	HZ-7C2L	"		
D328 D329	42:00:00	i F:00:15:10	"	HZ-6C1L	"		
D330	42:00:00	i F:00:00:40	Diode	IS1555	ダイオード		
D332	42:00:00	i F:00:02:00	Zener Diode	WZ-120	ツェナーダイオード		
D333	42:00:00	i H:00:07:10	Diode	W06C	ダイオード		
D334	42:00:00	i F:00:15:10	Zener Diode	HZ-6C1L	ツェナーダイオード		
* D335	42:00:00	i H:00:09:20	Diode Bridge	S5VB 5A	ブリッジダイオード	Inter-changeable (併用)	
"	42:00:00	i H:00:10:10	"	RB602 6A 200V	"		
D336	42:00:00	i F:00:00:40	Diode	IS1555	ダイオード		
D337	42:00:00	i H:00:07:10	"	W06C	"		
IC301	42:00:00	i G:02:84:00	IC	NJM4558DY	IC		
* SW301	42:00:00	KA:80:17:30	Push Switch		プッシュSW 2軸駆動P12.5	4 circuit	
RY301	42:00:00	KC:00:09:20	Relay	JC-2 DC48V	リレー	Inter-changeable (併用)	J, R, A, G, B
"	42:00:00	KC:00:06:30	"	MS48D4-0Z DC48V	"		J, R, A, G, B
"	42:00:00	KC:00:10:60	"	JC2aD DC48V	"		U, C
* JK301	42:00:00	LB:30:13:50	Headphones Jack		ヘッドホーンジャック		
	42:00:00	LA:00:21:10	Wrapping Pin	i Type P=5 2P	i型ラッピング端子板		
	42:00:00	LA:00:21:50	"	P=10 3P	"		
	42:00:00	LA:00:29:60	4P Push Terminal		4Pプッシュターミナル		
	42:00:00	LA:00:41:20	Pin		テストポイントピン		
	32:00:00	AA:09:78:00	Metal Setting Plate		反り止め金具		
	32:00:00	BA:07:72:90	Heat Sink		放熱板		
	32:00:00	BB:06:52:50	Pusher, Transistor		TRプッシャー		
	32:00:00	BB:06:83:70	Plate, Ground		アース金具		
	42:00:00	EN:03:00:20	Bind Head Tapping Screw	3×8 (ZNC2-Y)	鉄バインドタッピングネジ	Type 2	

\* : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
		U.S.A & Canadian Models				
	32:00:00 NA:07:60:80	Control Circuit Board	制御シート		A-760	
C501	42:00:00 FC:24:52:20	Metallized Mylar Capacitor 0.22 $\mu$ F 125V	MMコン			
C502	42:00:00 FG:51:21:00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C503	42:00:00 FA:85:54:70	Mylar Capacitor 0.47 $\mu$ F 50V	マイラーコン目立形			
C504 C505	42:00:00 FI:34:33:30	Ceramic Capacitor 0.0033 $\mu$ F AC 125V	セラコン			
C506	42:00:00 FC:24:51:00	Metallized Mylar Capacitor 0.1 $\mu$ F 125V	MMコン			
C508	42:00:00 FA:81:43:30	Mylar Capacitor 0.033 $\mu$ F 50V	マイラーコン目立形			
L501	42:00:00 GD:90:03:50	Coil 100 $\mu$ H	雑防コイル	Inter-changeable		
"	42:00:00 GD:90:03:60	"	"			
R501 R502	42:00:00 HJ:35:82:20	Carbon Resistor RD25 SM-8 220K $\Omega$	カーボン抵抗			
R503	42:00:00 HJ:35:62:70	" 2.7K $\Omega$	"			
R504	42:00:00 HL:72:71:80	Metal Oxide Film Resistor 2P 18K $\Omega$	酸化抵抗			
R505	42:00:00 HJ:35:91:00	Carbon Resistor RD25 SM-8 1M $\Omega$	カーボン抵抗			
R506	42:00:00 HV:35:61:00	Flame Proof Carbon Resistor RDF25 1K $\Omega$	不燃化カーボン抵抗			
R507	42:00:00 HJ:35:71:50	Carbon Resistor RD25 SM-8 15K $\Omega$	カーボン抵抗			
R508	42:00:00 HJ:35:81:20	" 120K $\Omega$	"			
R509	42:00:00 HJ:35:75:60	" 56K $\Omega$	"			
R510	42:00:00 HJ:35:41:50	" 15 $\Omega$	"			
R511	42:00:00 HJ:35:54:70	" 470 $\Omega$	"			
R512	42:00:00 HV:35:41:50	Flame Proof Carbon Resistor RDF25 15 $\Omega$	不燃化カーボン抵抗			
R513	42:00:00 HL:72:53:90	Metal Oxide Film Resistor 2P 390 $\Omega$	酸化抵抗			
R514	42:00:00 HJ:35:54:70	Carbon Resistor RD25 SM-8 470 $\Omega$	カーボン抵抗			
VR501	42:00:00 HT:37:00:50	Semi Variable Resistor EVN-K4A 5B5K $\Omega$	半固定VR	Inter-changeable		
"	42:00:00 HT:77:00:50	" KVSF8-7PNFX 5B5K	"			
D501	42:00:00 IH:00:08:80	Bridge Diode SIWB	ブリッジダイオード			
D502 D505	42:00:00 IF:00:00:60	Diode 10D4	ダイオード			
IC501	42:00:00 IG:04:08:00	IC (Trigger)	トリガーIC			
TR501	42:00:00 IK:00:02:80	Photo Coupler TLP508 (BL.V)	フォトカプラー	Inter-changeable		
"	42:00:00 IK:00:03:00	" (V)	"			
SCR 501	42:00:00 IH:00:09:00	Triac SM0R5G 0.5A	トライアック			
SCR 502	42:00:00 IH:00:10:50	" AC16DGM-L 16A	"			
SCR 503	42:00:00 IH:00:09:00	" SM0R5G 0.5A	"			
F501	42:00:00 KB:00:15:40	Fuse UL 12A 250V	ヒューズ			
	42:00:00 LB:20:09:00	Fuse Holder Pin PC YSH402P	ヒューズホルダーピン			
	42:00:00 LA:00:23:90	Wrapping Terminal P=7.5 3P L-Type	L型ラッピング端子板			
	42:00:00 LA:00:24:00	Wrapping Terminal P=7.5 2P L-Type	L型ラッピング端子板			
	32:00:00 BA:07:95:30	Heat Sink	放熱板			
	32:00:00 BB:06:83:70	Earth Plate	アース金具			
	32:00:00 CB:07:28:80	Isolation Bush	絶縁ブッシュ			
	42:00:00 EN:03:00:60	Bind Head Tapping Screw 3 $\times$ 10 (ZMC2-Y)	鉄バインドタッピンネジ	Type-2		
	42:00:00 IL:00:02:70	Mica Base AC-229	マイカベース			
	42:00:00 EH:02:60:80	Pan Head Screw (Sems-Type) 2.6 $\times$ 8 (ZMC2-Y)	セムスナベ小ネジ			
	42:00:00 CA:07:06:50	Isolation Plate	絶縁板			
	42:00:00 CB:60:14:80	Damper	ダンパー			
	42:00:00 EN:03:00:20	Bind Head Tapping Screw 3 $\times$ 8 (ZMC2-Y)	鉄バインドタッピンネジ	Type-2		

\* : New Part (新部品)

Ref. No.	Part No.	Description	(部 品 名)	Remarks	Common model	Markets
		Australian, North European & British Models				
	32:00:00 NA:07:60:30	Control Circuit Board	制御シート		A-760	
C501	42:00:00 FR:15:54:70	Metallized Paper Capacitor PME271 0.47 $\mu$ F 250V	MPコン			
C502	42:00:00 FG:51:21:00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C503	42:00:00 FA:85:54:70	Mylar Capacitor 0.47 $\mu$ F 50V(J)	マイラーコン自立形			
C504 -506	42:00:00 FR:16:36:80	Metallized Paper Capacitor RME265 0.0068 $\mu$ F 250V	MPコン			
C507	42:00:00 FO:09:46:80	Oil Capacitor ECN-C4A 0.068 $\mu$ F 450V	オイルコン			
C508 C509	42:00:00 FR:16:41:00	Metallized Paper Capacitor REM265 0.01 $\mu$ F 250V	MPコン			
C510	42:00:00 FA:81:43:30	Mylar Capacitor 0.033 $\mu$ F 50V (V)	マイラーコン自立形			
L501	42:00:00 GD:90:03:90	Coil SF-HP-6A 150 $\mu$ H	雑防コイル			
R501 R504	42:00:00 HJ:35:84:70	Carbon Resistor RD25 SM-8 470K $\Omega$	カーボン抵抗			
R505	42:00:00 HJ:35:62:70	" 2.7K $\Omega$	"			
R506 R507	42:00:00 HL:72:76:80	Metal Oxide Film Resistor 2P 68K $\Omega$	酸化抵抗			
R508	42:00:00 HJ:35:91:00	Carbon Resistor RD25 SM-8 1M $\Omega$	カーボン抵抗			
R509	42:00:00 HV:45:61:00	Flame Proof Carbon Resistor RDF25S 1K $\Omega$	不燃化カーボン抵抗			
R510	42:00:00 HJ:35:71:50	Carbon Resistor RD25 SM-8 15K $\Omega$	カーボン抵抗			
R511 R512	42:00:00 HJ:35:81:80	" 180K $\Omega$	"			
R513	42:00:00 HJ:35:41:50	" 15 $\Omega$	"			
R514	42:00:00 HJ:35:54:70	" 470 $\Omega$	"			
R515	42:00:00 HV:35:41:50	Flame Proof Carbon Resistor RDF25 15 $\Omega$	不燃化カーボン抵抗			
R516	42:00:00 HL:72:53:90	Metal Oxide Film Resistor 2P 390 $\Omega$	酸化抵抗			
VR501	42:00:00 HT:37:00:50	Semi Variable Resistor EVN-K4A B5K $\Omega$	半固定VR	} Inter- changeable		
"	42:00:00 HT:77:00:50	" KV5F8-7PNFX B5K $\Omega$	"			
IC501	42:00:00 G:04:08:00	IC (Trigger)	トリガーIC			
D501	42:00:00 H:00:08:80	Bridge Diode SIWB	ブリッジダイオード			
D502 D505	42:00:00 H:00:00:80	Diode 10D4	ダイオード			
SCR 501	42:00:00 H:00:09:00	Triac SMOR5G 0.5A	トライアック			
SCR 502	42:00:00 H:00:10:50	" AC16DGM-L 16A	"			
SCR 503	42:00:00 H:00:09:00	" SMOR5G 0.5A	"			
TR501	42:00:00 K:00:02:80	Photo Coupler TLP508 (BL.V)	フォトカプラー	} Inter- changeable		
"	42:00:00 K:00:03:00	" (V)	"			
SW501	42:00:00 KA:80:21:70	Push Switch SDS3P 5 80A	プッシュSW			
F501	42:00:00 KB:00:17:60	Fuse S T6.3A 250V	ヒューズ			
	42:00:00 LB:20:10:60	Fuse Holder Pin YSH403T	ヒューズホルダーピン			
	42:00:00 LA:00:23:90	Wrapping Terminal P=7.5 2P L-Type	L型ラッピング端子板			
	42:00:00 LA:00:24:00	" " 3P "	"			
	32:00:00 BA:07:95:30	Heat Sink	放熱板			
	32:00:00 BB:06:83:70	Earth Plate	アース金具			
	32:00:00 CB:07:28:80	Isolation Bush	絶縁ブッシュ			
	42:00:00 EN:03:00:60	Bind Head Tapping Screw 3 $\times$ 10 (ZMC2-Y)	鉄バインドタッピンネジ	Type-2		
	42:00:00 IL:00:02:70	Mica Base AC-229	マイカベース			
	42:00:00 EH:02:60:80	Pan Head Screw (Sema-Type) 2.6 $\times$ 8 (ZMC2-Y)	セムスナベ小ネジ			
	42:00:00 CA:07:06:50	Isolation Plate	絶縁板			
	42:00:00 CB:60:14:80	Damper	ダンパー			
	42:00:00 EN:03:00:20	Bind Head Tapping Screw 3 $\times$ 8 (ZMC2-Y)	鉄バインドタッピンネジ	Type-2		

\* : New Part (新部品)

Ref. No.	Part No.		Description	(部 品 名)	Remarks	Common model	Markets
			General Model				
	32:00:00	NA:07:61:00	Control Circuit Board	制御シート		A-760	
C501	42:00:00	FR:15:52:20	Metallized Paper Capacitor 0.22 $\mu$ F 250V	MPコン			
C502	42:00:00	FG:51:21:00	Ceramic Capacitor 100PF 50V SL(K)	フォーミングセラコン			
C503	42:00:00	FA:85:54:70	Mylar Capacitor 0.47 $\mu$ F 50V (J)	マイラーコン			
C504 -506	42:00:00	FR:16:36:80	Metallized Paper Capacitor 0.0068 $\mu$ F 250V	MPコン			
C507	42:00:00	FQ:09:46:80	Oil Capacitor ECN-C4A 0.068 $\mu$ F	オイルコン			
C508 C509	42:00:00	FI:34:41:00	Ceramic Capacitor 0.01 $\mu$ F (DE)AC 125V	セラコンMY形			
L501	42:00:00	GD:90:03:90	Coil SF-HP-6A 150 $\mu$ H	雑防コイル			
R501 -504	42:00:00	HJ:35:84:70	Carbon Resistor RD25 SM-8 470K $\Omega$	カーボン抵抗			
R505 R506	42:00:00	HL:72:73:90	Metal Oxide Film Resistor 2P 39K $\Omega$	酸金抵抗			
R507	42:00:00	HJ:35:91:00	Carbon Resistor RD25 SM-8 1M $\Omega$	カーボン抵抗			
R508	42:00:00	HV:35:61:00	Flame Proof Carbon Resistor RDF25 1K $\Omega$	不燃化カーボン抵抗			
R509	42:00:00	HJ:35:71:50	Carbon Resistor RD25 SM-8 15K $\Omega$	カーボン抵抗			
R510	42:00:00	HJ:35:81:20	" 120K $\Omega$	"			
R511	42:00:00	HJ:35:75:60	" 56K $\Omega$	"			
R512	42:00:00	HJ:35:73:30	" 33K $\Omega$	"			
R513	42:00:00	HJ:35:41:50	" 15 $\Omega$	"			
R514	42:00:00	HJ:35:54:70	" 470 $\Omega$	"			
R515	42:00:00	HV:35:41:50	Flame Proof Carbon Resistor RDF25 15 $\Omega$	不燃化カーボン抵抗			
R516	42:00:00	HL:72:53:90	Metal Oxide Film Resistor 2P 390 $\Omega$	酸金抵抗			
R517	42:00:00	HJ:35:54:70	Carbon Resistor RD25 SM-8 470 $\Omega$	カーボン抵抗			
VR501	42:00:00	HT:37:00:50	Semi Variable Resistor EVN-K4A 85K $\Omega$	半固定VR	Inter-		
"	42:00:00	HT:77:00:50	" KVSF8-7PNFX B5K $\Omega$	"	changeable		
D501	42:00:00	I H:00:08:80	Bridge Diode SIWB	ブリッジダイオード			
D502 D503	42:00:00	I F:00:19:40	Zener Diode HZ-24	ツェナーダイオード			
D504 -507	42:00:00	I F:00:00:60	Diode 10D4	ダイオード			
IC501	42:00:00	I G:04:08:00	IC (Trigger)	トリガーIC			
SCR 501	42:00:00	I H:00:09:00	Triac SM0R5G 0.5A	トライアック			
SCR 502	42:00:00	I H:00:10:50	" AC16DGM-L 16A	"			
SCR 503	42:00:00	I H:00:09:00	" SM0R5G 0.5A	"			
TR501	42:00:00	I K:00:02:80	Photo Coupler TLP508 (BL,V)	フォトカプラー	Inter-		
"	42:00:00	I K:00:03:00	" (V)	"	changeable		
SW501	42:00:00	KA:80:21:70	Push Switch SDS3P 5 80A	プッシュSW			
F501	42:00:00	KB:00:13:80	Fuse UL 15A 250V	ヒューズ			
	42:00:00	LB:20:09:00	Fuse Holder Pin PC YSH402P	ヒューズホルダーピン			
	42:00:00	LA:00:23:90	Wrapping Terminal P 7.5 2P L-Type	L型ラッピング端子板			
	42:00:00	LA:00:24:00	" 3P	"			
	32:00:00	BA:07:95:30	Heat Sink	放熱板			
	32:00:00	BB:06:83:70	Earth Plate	アース金具			
	32:00:00	CB:07:28:80	Isolation Bush	絶縁ブッシュ			
	42:00:00	EN:03:00:60	Bind Head Tapping Screw 3 $\times$ 10 (ZMC2-Y)	鉄バインドタッピンネジ	Type-2		
	42:00:00	IL:00:02:70	Mica Base AC-229	マイカベース			
	42:00:00	EH:02:60:80	Fan Head Screw (Sems-Type) $\frac{2}{8}\times 8$ ZMC2-Y	セムスナベ小ネジ			
	42:00:00	CA:07:06:50	Isolation Plate	絶縁板			
	42:00:00	CB:60:14:80	Damper	ダンパー			
	42:00:00	EN:03:00:20	Bind Head Tapping Screw 3 $\times$ 8 (ZMC2-Y)	鉄バインドタッピンネジ	Type-2		

\* : New Part (新部品)

■ EXPLODED VIEW

