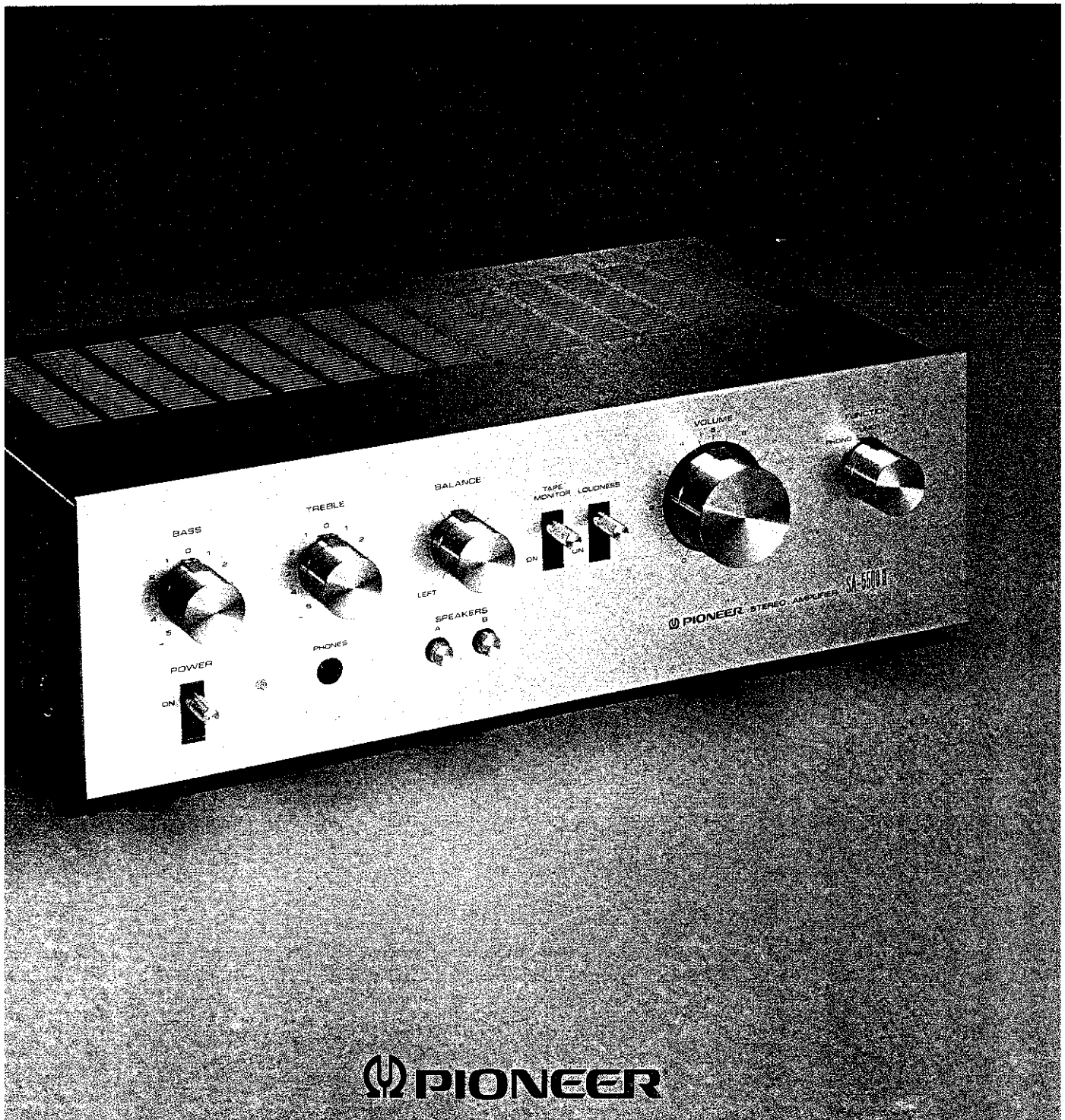


STEREO AMPLIFIER

SA-5500II

SERVICE MANUAL



 PIONEER

MODEL SA-5500 II COMES IN FOUR VERSIONS DISTINGUISHED AS FOLLOWS:

Type	Voltage	Remarks
KU	120V	UL (U.S.A.) approved.
KC	120V	CSA (Canada) approved.
HG	220V and 240V (Switchable)	SEMKO (Sweden), NEMKO (Norway), DEMKO (Denmark) and EI (Finland) approved.
S	110V, 120V, 220V and 240V (Switchable)	General export model.

This Service Manual is applicable the Model SA-5500II/KU.

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1. SPECIFICATIONS

Semiconductors

ICs	2
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Amplifier Section

Circuitry 2-stage differential amplifier
direct-coupled OCL

Continuous Power Output from 20 Hertz to 20,000 Hertz
(Both channels driven) . . . 15 watts per channel (8 ohms)

Total Harmonic Distortion at 20Hertz to 20,000Hertz from
AUX

Continuous rated power output	0.5%
1 watt per channel power output, 8ohms	0.1%

Intermodulation Distortion

Continuous rated power output	0.5%
1 watt per channel power output, 8ohms	0.1%

Speaker A, B, A + B

Headphones Low impedance

Damping Factor (20Hertz to 20,000Hertz, 8ohms) . . . 30
Input (Sensitivity/Impedance)

PHONO	2.5mV/50kohms
TUNER	150mV/50kohms
AUX	150mV/50kohms
TAPE PLAY	150mV/50kohms

PHONO Overload Level (T.H.D.: 0.3%) . . . 130mV (1kHz)
Output (Level/Impedance)

TAPE REC 150mV

Frequency Response

PHONO (RIAA Equalization) 20Hz to 20,000Hz
±0.5dB

TUNER, AUX, TAPE PLAY 20Hz to 20,000Hz
±1dB

Tone Control

BASS	±7dB (100Hz)
TREBLE	±7dB (10kHz)

Loudness Contour

(Volume control set at -40dB position) . . +6dB (100Hz)

Hum and Noise (IHF, short-circuited, A network, rated
power)

PHONO	71dB
TUNER, AUX, TAPE PLAY	87dB

Miscellaneous

Power Requirements 120V 60Hz only.

Power Consumption 70W (UL)
100VA (CSA), 130W (Max.)

Dimensions 380(W) x 124(H) x 269(D) mm
14-15/16 x 4-7/8 x 10-9/16 in

Weight. Without Package; 5.2kg (11lb 7 oz)
With Package; 5.9kg (13lb)

Furnished Parts

Operating Instructions 1

NOTE:

Specifications and the design subject to possible modification without notice due to improvements.

2. FRONT PANEL FACILITIES

POWER SWITCH

Set to ON position to energize SA-5500II. After setting to ON, there is a brief delay before sound is obtained. This is due to the operation of the muting circuit which prevents noise when the POWER is switched. This function does not indicate difficulty and normal operating condition is attained in a few seconds. The POWER switch also controls the rear panel SWITCHED convenience outlets.

BASS AND TREBLE CONTROLS

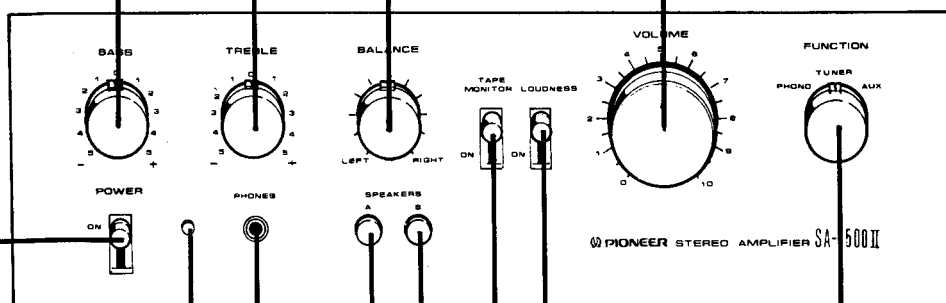
Controls for adjusting low and high frequency tone. Turn controls clockwise to enhance low or high frequencies and counterclockwise to attenuate their respective frequency ranges.

BALANCE CONTROL

Adjusts relative left and right channel volume balance between speaker systems and headphones. If the right channel volume is insufficient, turn the control clockwise from center. Conversely, if the left channel volume is insufficient, turn the control counter-clockwise from center.

VOLUME CONTROL

Adjusts volume from speakers and headphones. Clockwise rotation increases volume.



PILOT LAMP

PHONES JACK

When listening with stereo headphones, connect them to this jack.

NOTE:

Set **SPEAKERS** buttons to OFF (released position) when listening only with headphones.

SPEAKERS BUTTONS

Switch for selecting speaker systems connected to the rear panel. Sound from corresponding speaker systems is obtained when button is depressed, while sound is not obtained in the released position.

A: Sound obtained from speakers connected to the A speakers terminals.

B: Sound obtained from speakers connected to the B speakers terminals.

If both buttons are depressed simultaneously, sound will be obtained from both sets of speaker systems.

When listening with headphones, set **SPEAKERS** buttons to released (OFF) positions.

FUNCTION SWITCH

Selects desired playback program source.

PHONO: To play records on a turntable connected to the PHONO jacks.

TUNER: To listen to broadcasts with a tuner connected to the TUNER jacks.

AUX: To play a component connected to the AUX jacks.

LOUDNESS SWITCH

When listening at low volume settings, set switch to ON to enhance low frequencies. The response of the human ear to sound differs according to loudness. This switch compensates for this effect at low volumes.

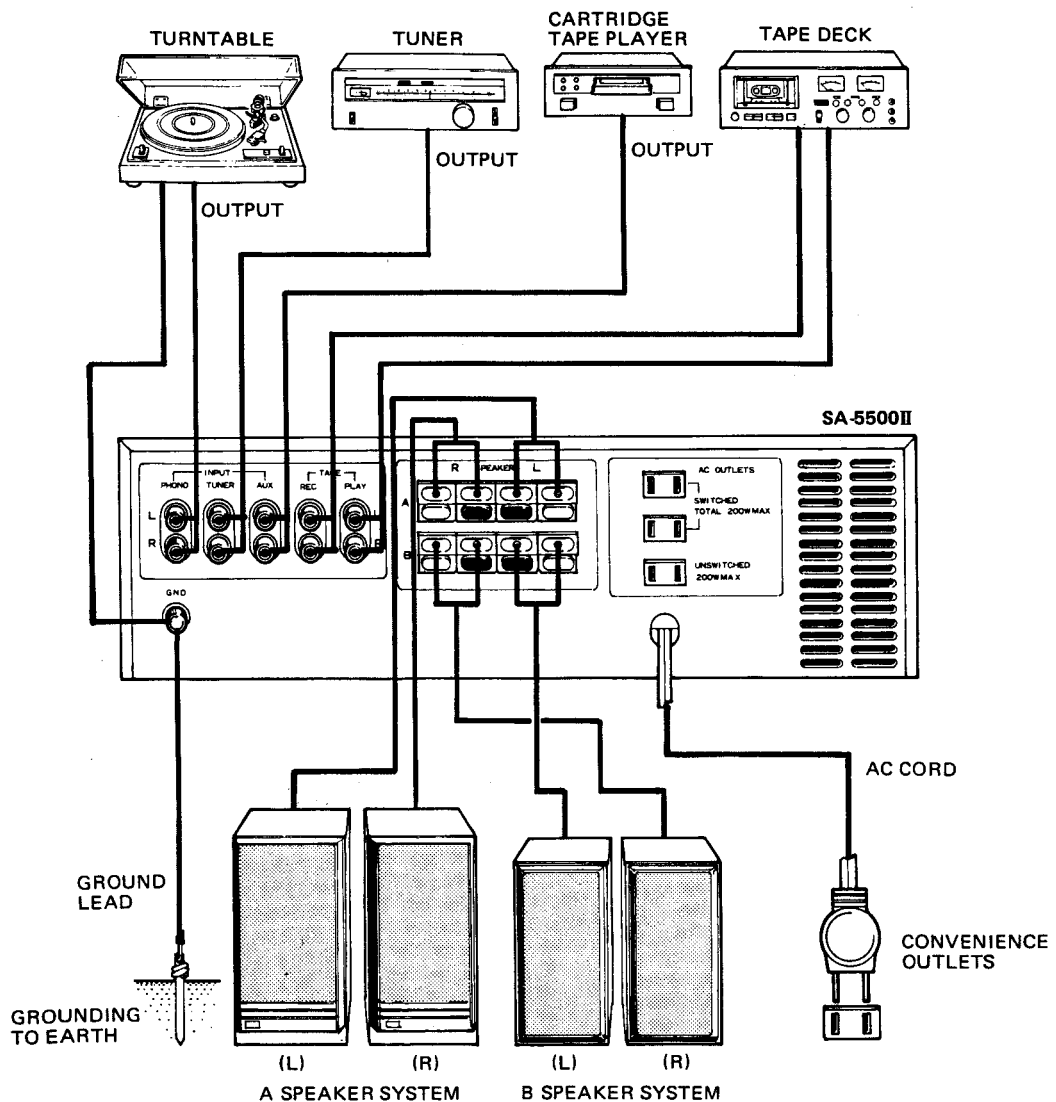
TAPE MONITOR SWITCH

Set to ON to play on a tape deck connected to the TAPE jacks or to monitor recording conditions.

NOTE:

Be sure to set switch to upper (OFF) position when playing records or listening to broadcasts.

3. CONNECTION DIAGRAM



Connection Notes

- Rear panel jacks are provided in pairs, the upper jack for the left (L) channel and lower jack for the right (R) channel. When connecting components, use care to connect the channels properly (L to L and R to R).
- Insert connecting plugs fully. Loose connections can cause absence of sound or noise problems.

Convenience outlets (AC OUTLETS)

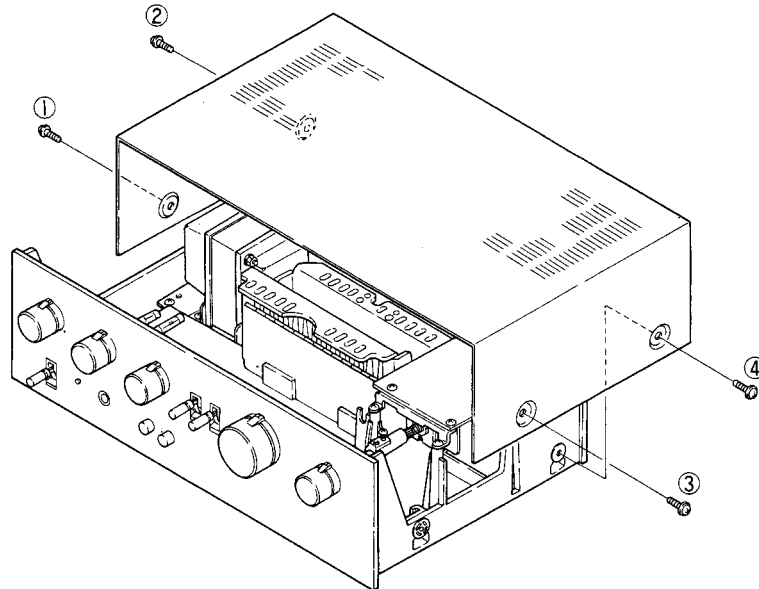
SWITCHED: Power to these outlets is coupled to the operation of the front panel POWER switch. By connecting the power cords of often used components (maximum total 200W) such as a tuner, the tuner power switch can be left in the on position. Power for the tuner will then be controlled by on-off operation of the SA-5500II POWER switch.

UNSWITCHED: Power is always supplied to this outlet (maximum total 200W) regardless of the front panel POWER switch position.

4. DISASSEMBLY

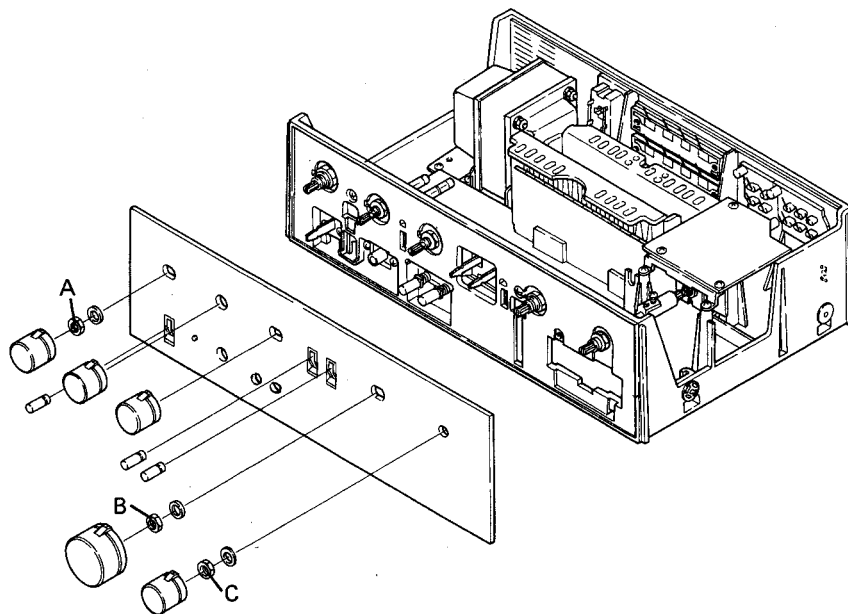
1. Removing the Top Cover.

Remove the 2 screws on each side of the top cover.



2. Removing the Front Panel.

- Remove all control knobs by pulling.
- Remove shaft nuts A, B and C.



5. PARTS LOCATION

5.1 FRONT PANEL VIEW

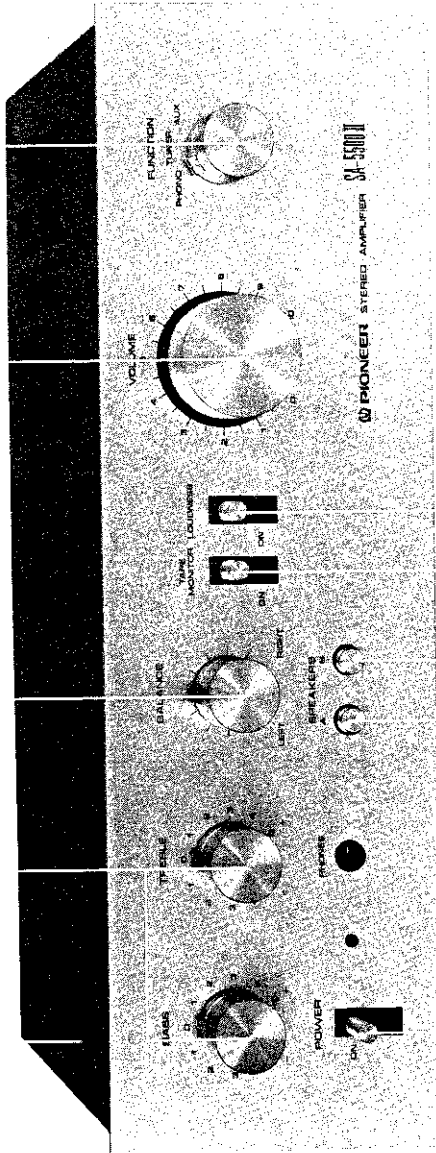
Knob (FUNCTION)
AAB-130

Knob (TREBLE, BASS)
AAB-130

Knob (VOLUME)
AAB-129

Knob (BALANCE)
AAB-130

Top cover
ANE-133



Front panel assembly
ANB-483

Knob (POWER)
AAD-123

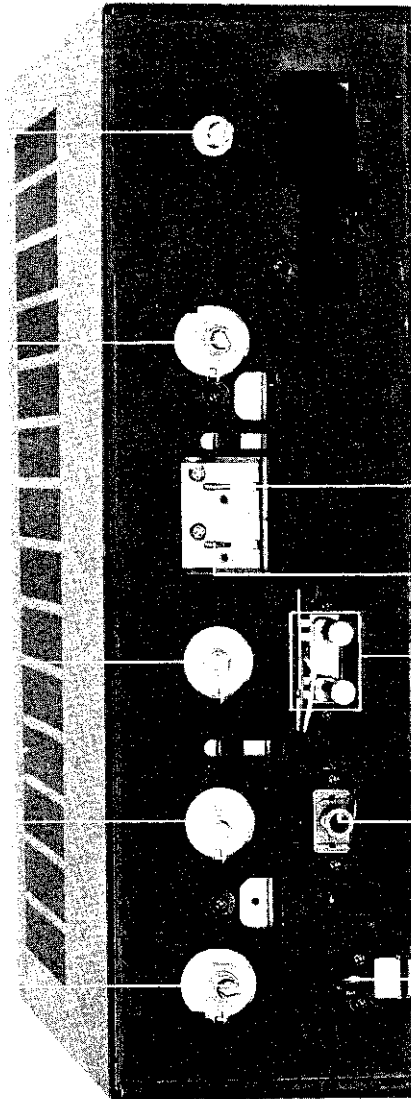
Knob (SPEAKERS)
AAD-126

Knob (LOUDNESS)
AAD-123

Knob (TAPE MONITOR)
AAD-123

5.2 FRONT VIEW WITH PANEL REMOVED

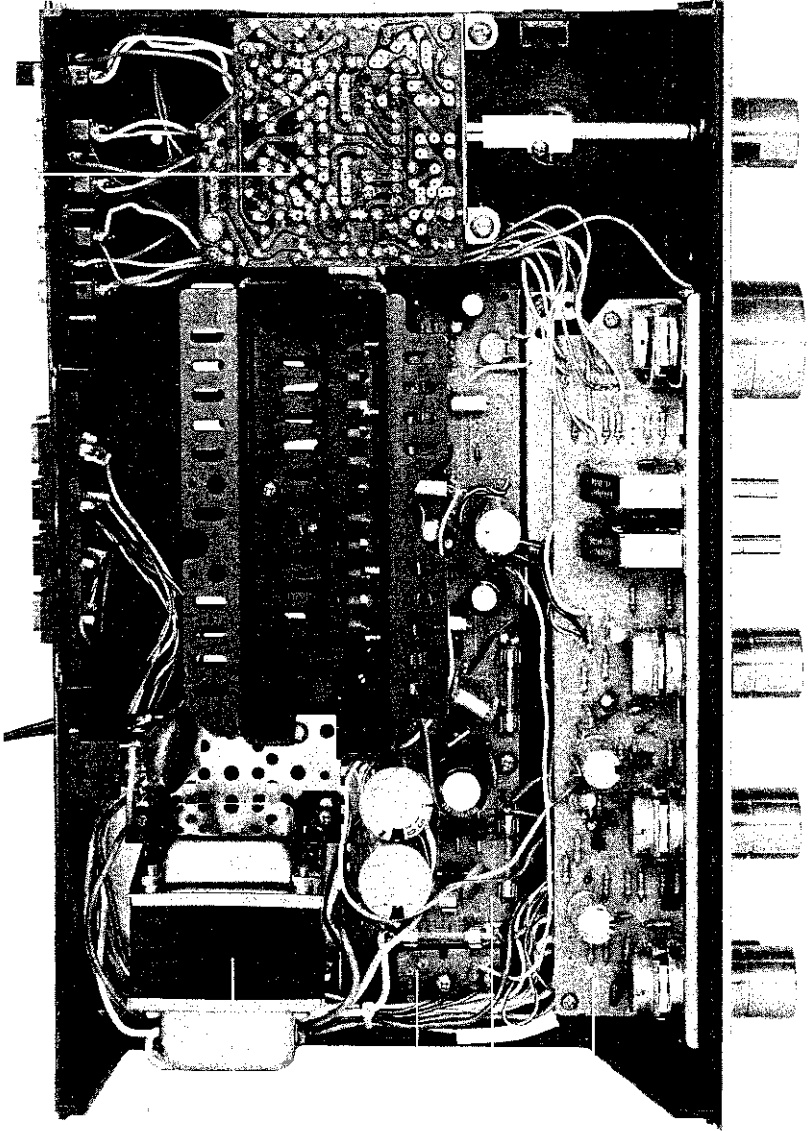
- Variable resistor (TREBLE)
ACV-182
- Variable resistor (BASS)
ACV-182
- Variable resistor (BALANCE)
ACV-126
- Variable resistor (VOLUME)
ACV-181
- Rotary switch (FUNCTION)
ASD-064



- Lever switch (POWER)
ASK-108
- Phone jack (PHONES)
AKN-009
- Lever switch (LOUDNESS)
ASK-120
- Lever switch (TAPE MONITOR)
ASK-092
- Push switch (SPEAKERS)
ASG-117

5.3 TOP VIEW

Equalizer amplifier assembly
GWF-103



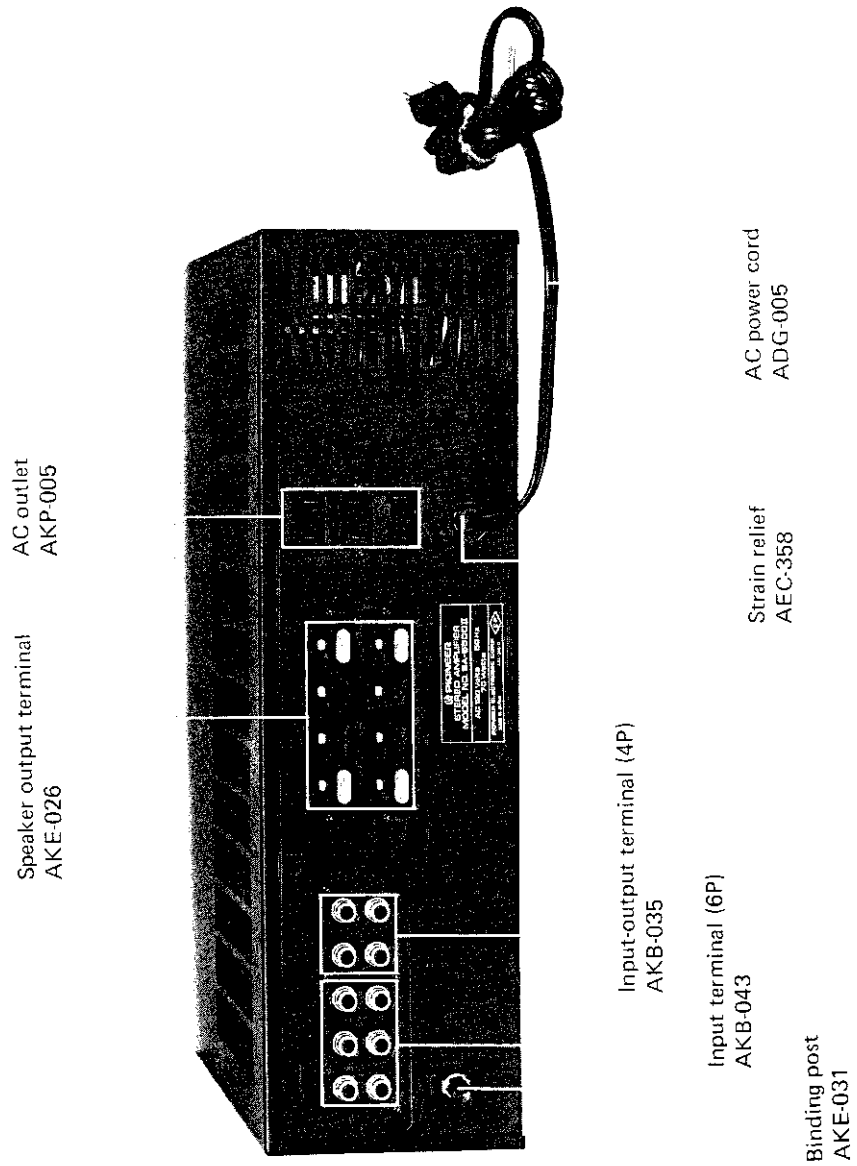
Power transformer
ATT-356

Earth assembly
AWX-110

Power amplifier assembly
GWH-103

Tone amplifier assembly
GWG-103

5.4 REAR VIEW



6. CIRCUIT DESCRIPTION

EQUALIZER AMPLIFIER ASSEMBLY

The equalizer amplifier is a 2-stage direct-coupled amplifier comprised of a PNP and an NPN transistors.

A more effective use is made of the power supply voltage, since voltage loss at the 2nd stage is eliminated due to VCE of the 1st stage, an effect gained by employing transistors of different polarity. Maximum permissible input is 120mV (1kHz, 0.3% T.H.D.). And since the collector resistance of the 2nd stage also serves as the emitter resistance of the 1st stage, a 100% DC NFB is applied, producing very high DC stability. Equalizer deviation is less than $\pm 0.5\text{dB}$ (20Hz - 20kHz).

The output of the equalizer amplifier, plus the TUNER and AUX input terminals are selected by the FUNCTION switch, thus connecting to the tone amplifier assembly.

TONE AMPLIFIER ASSEMBLY

Signals from the equalizer amplifier assembly are applied to the TAPE REC terminals and the TAPE MONITOR switch.

The BALANCE CONTROL is a center click-stop no-loss type (HB type). The VOLUME CONTROL is also a click-stop control, with 41 click-stops.

The loudness feature compensates for bass only. The circuit is coupled to the center tap of the VOLUME CONTROL when LOUDNESS is switched ON.

The tone control circuit amplifies the signal to the necessary level by a single NPN transistor. The signal is then applied to a CR type control circuit.

POWER AMPLIFIER ASSEMBLY

The power amplifier makes use of a recently developed monolithic IC (PA 3002). This IC contains protective circuits such as a thermal shut-down circuit and a current limiter circuit. Output is 17.5W (1kHz, 8Ω) for a $\pm 22\text{V}$ supply.

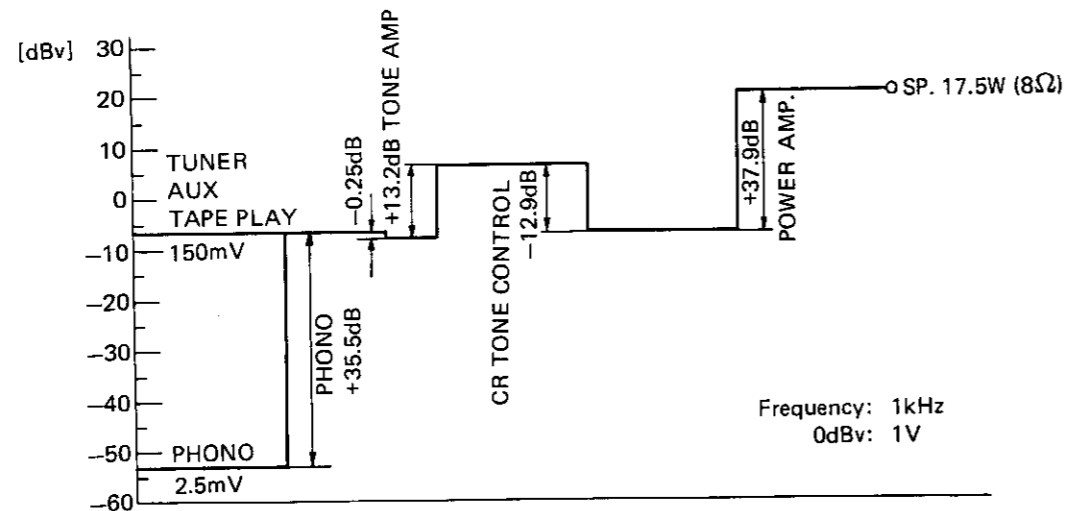
The two sets of speaker terminals (A, B) have separate ON/OFF speaker switches.

POWER SUPPLY

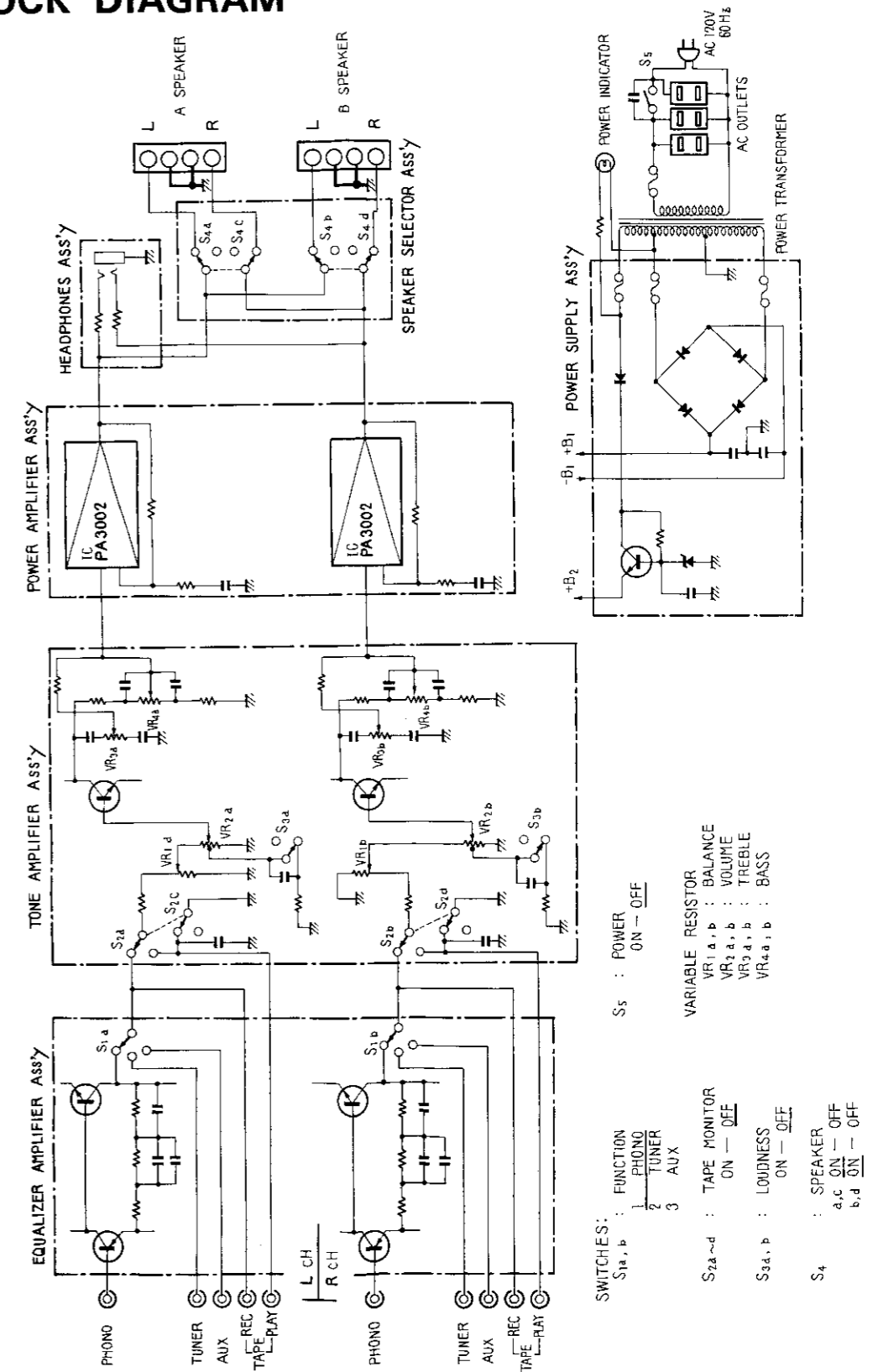
The power for IC power is supplied from the bridged rectifier and the two electrolytic capacitors ($4,700\mu\text{F}$).

The +B2 for the tone amplifier and equalizer amplifier is supplied via a stabilizer circuit composed of transistor and zener diode.

7. LEVEL DIAGRAM



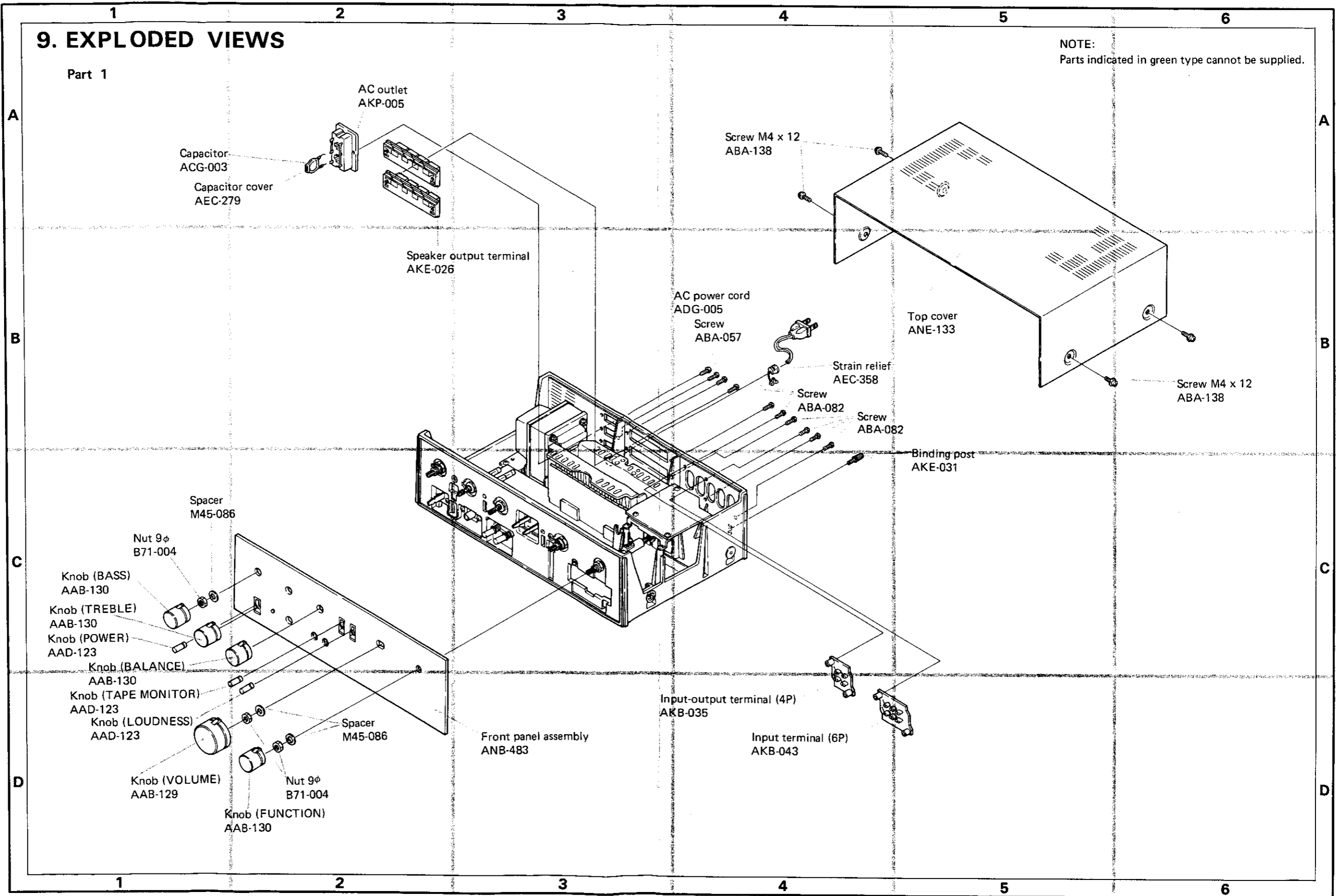
8. BLOCK DIAGRAM

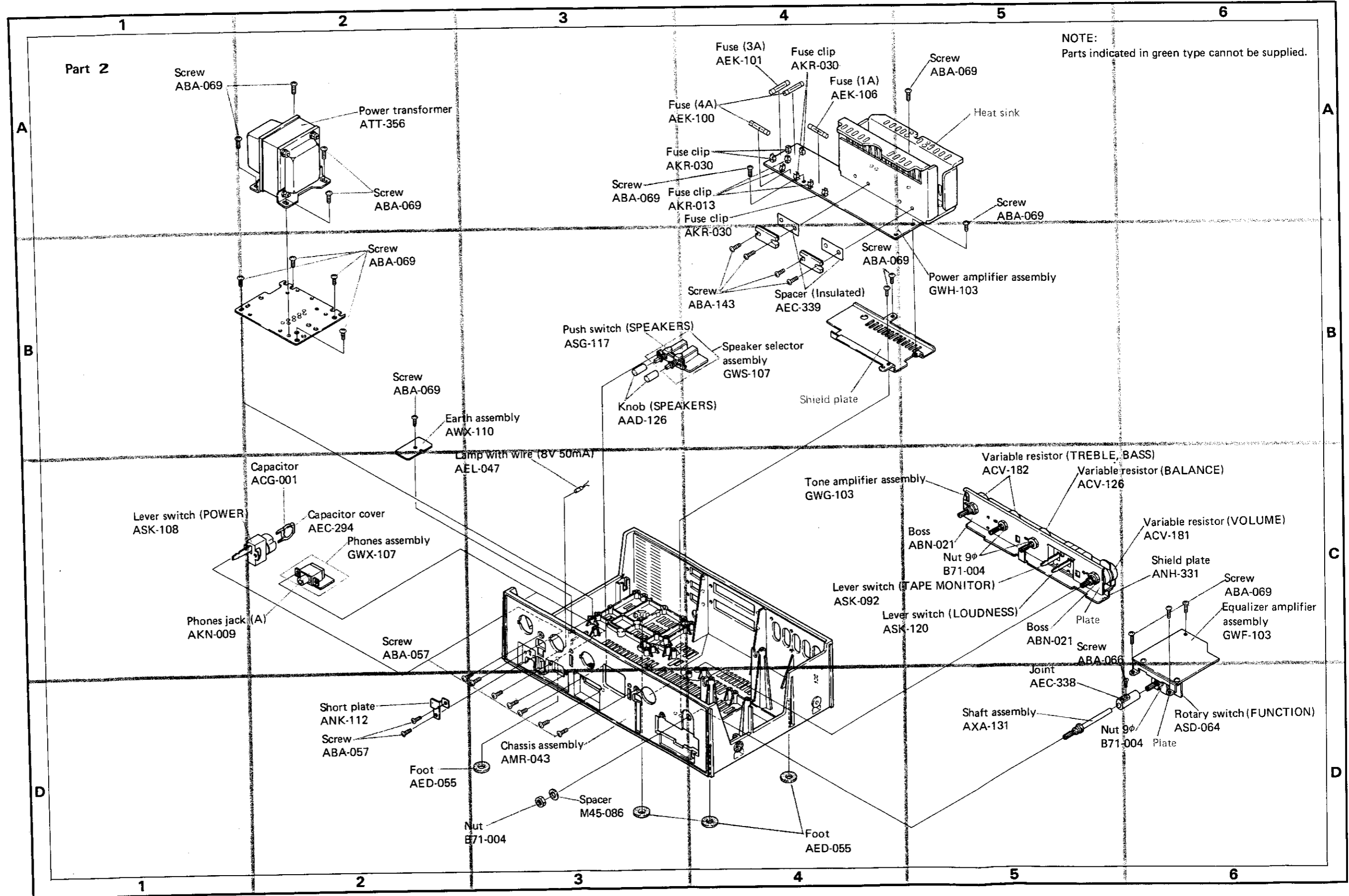


9. EXPLODED VIEWS

Part 1

NOTE:
Parts indicated in green type cannot be supplied.





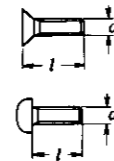
NOMENCLATURE OF SCREWS, WASHERS AND NUTS

The following symbols stand for screws, washers and nuts as shown in exploded view.

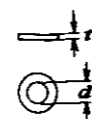
Symbol	Description	Shape	Symbol	Description	Shape
RT	Brazier head tapping screw		EW	E type washer	
PT	Pan head tapping screw		FW	Flat washer	
BT	Binding head tapping screw		SW	Spring lock washer	
CT	Countersunk head tapping screw		N	Nut	
TT	Truss head tapping screw		WN	Washer faced nut	
OCT	Oval countersunk head tapping screw		ITW	Internal toothed lock washer	
PM	Pan head machine screw		OTW	Outernal toothed lock washer	
CM	Countersunk head machine screw		SC	Slotted set screw (Cone point)	
OCM	Oval countersunk head machine screw		SF	Slotted set screw (Flat point)	
TM	Truss head machine screw		HS	Hexagon socket headless set screw	
BM	Binding head machine screw		OCW	Oval countersunk head wood screw	
PSA	Pan head screw with spring lock washer		CW	Countersunk head wood screw	
PSB	Pan head screw with spring lock washer and flat washer		RW	Round head wood screw	
PSF	Pan head screw with flat washer				

EXAMPLE

PM · 3x8
 length in mm (*l*)
 diameter in mm (*d*)
 Symbol



FW · 9φ x 1^t
 thickness in mm (*t*)
 diameter in mm (*d*)
 Symbol



10. SCHEMATIC DIAGRAMS, P.C. BOARD PATTERNS AND PARTS LIST

10.1 SCHEMATIC DIAGRAM AND MISCELLANEOUS PARTS

NOTE:

- * Capacitors: in μF unless otherwise noted *p* : *pF*.
- * Resistors: in Ω , $1/4W$ unless otherwise noted *k* : $k\Omega$, *M* : $M\Omega$.

Miscellaneous Parts List

SWITCH

Symbol	Description	Part No.
S1	Lever switch (POWER)	ASK-108

TRANSFORMER

Symbol	Description	Part No.
T1	Power transformer	ATT-356

CAPACITORS

Symbol	Description	Part No.
C1	Ceramic 0.01 250V	ACG-001
C2	Ceramic 0.01 140V	ACG-003

LAMP AND FUSES

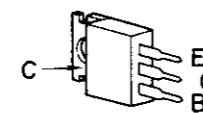
Symbol	Description	Part No.
	Lamp with wire 8V 50mA	AEL-047
FU1	Fuse 3A	AEK-101
FU2	Fuse 4A	AEK-100
FU3	Fuse 4A	AEK-100
FU4	Fuse 1A	AEK-106

ASSEMBLIES

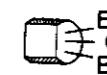
Symbol	Description	Part No.
	Equalizer amplifier assembly	GWF-103
	Tone amplifier assembly	GWG-103
	Power amplifier assembly	GWH-103
	Headphone assembly	GWX-107
	Speaker selector assembly	GWS-107
	Earth assembly	AWX-110

External Appearance of Transistors and IC

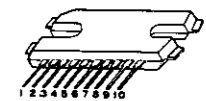
2SC1626



2SA725
2SC1312

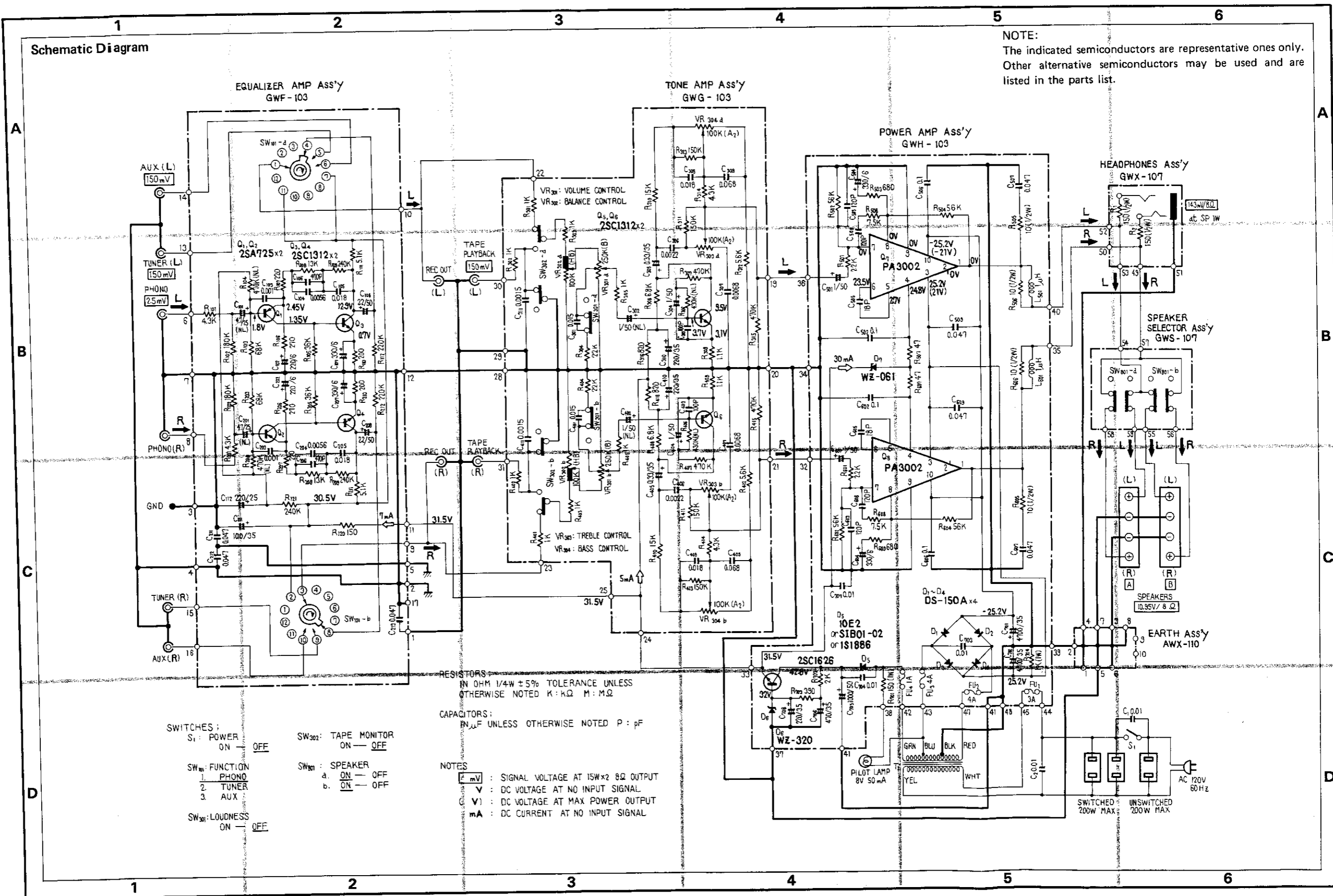


PA3002



Schematic Diagram

NOTE: The indicated semiconductors are representative ones only. Other alternative semiconductors may be used and are listed in the parts list.



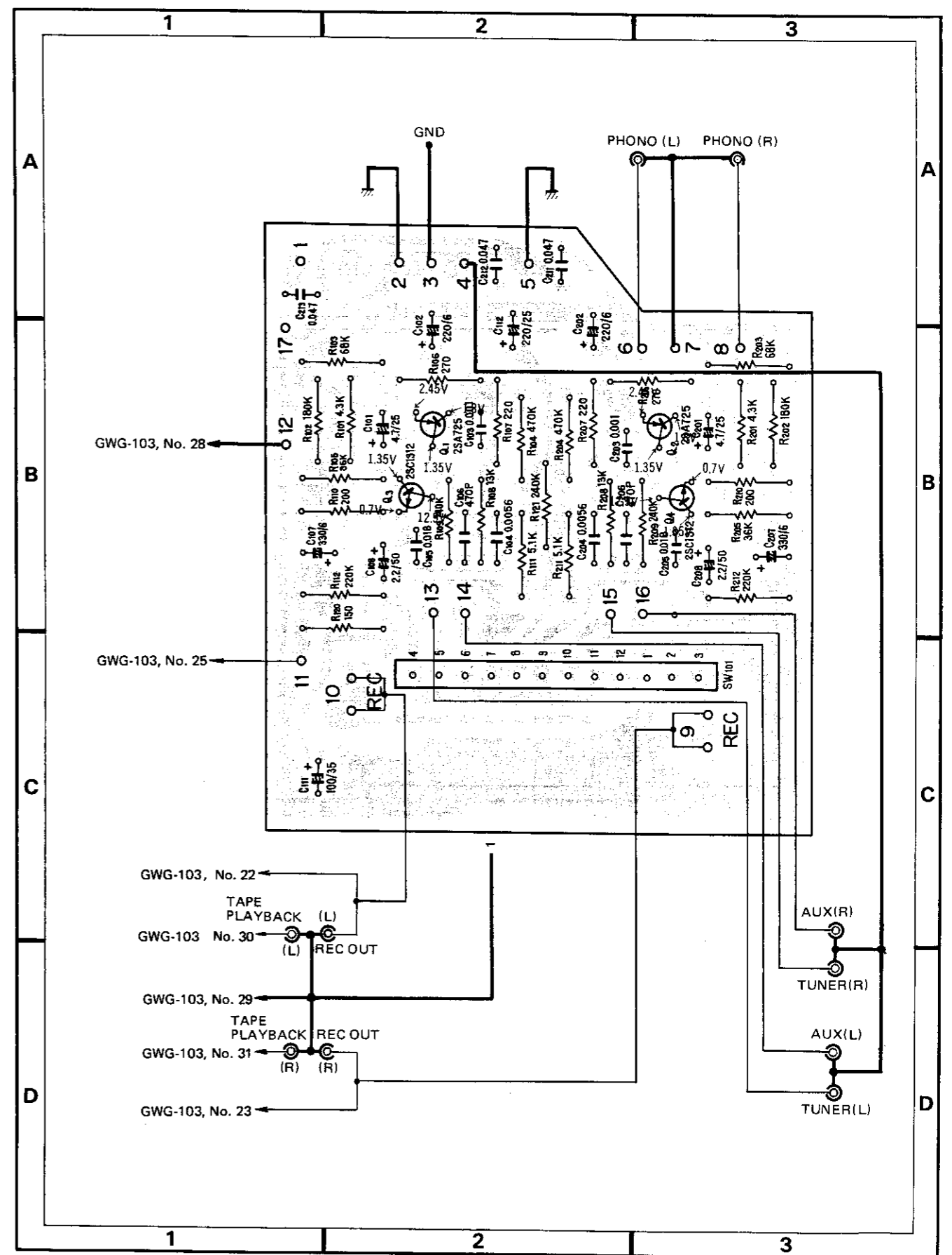
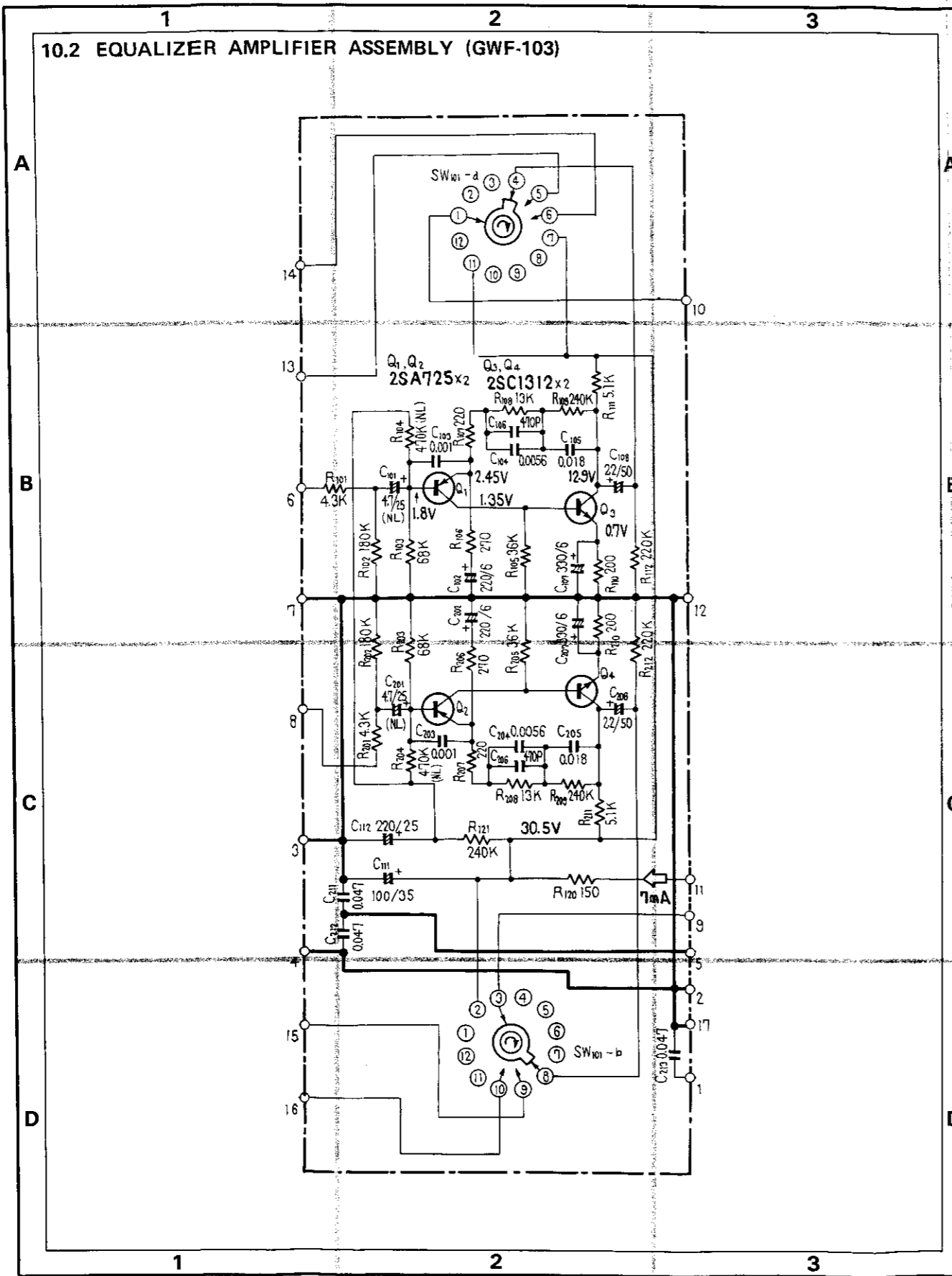
- SWITCHES:
- S₁: POWER ON - OFF
 - SW₁₀₁: FUNCTION
 - 1. PHONO
 - 2. TUNER
 - 3. AUX
 - SW₃₀₁: LOUDNESS ON - OFF
 - SW₃₀₂: TAPE MONITOR ON - OFF
 - SW₃₀₃: SPEAKER
 - a. ON - OFF
 - b. ON - OFF

RESISTORS: IN OHM 1/4W ±5% TOLERANCE UNLESS OTHERWISE NOTED K: KΩ M: MΩ

CAPACITORS: IN μF UNLESS OTHERWISE NOTED P: pF

NOTES:

- mV: SIGNAL VOLTAGE AT 15W×2 8Ω OUTPUT
- V: DC VOLTAGE AT NO INPUT SIGNAL
- V1: DC VOLTAGE AT MAX POWER OUTPUT
- mA: DC CURRENT AT NO INPUT SIGNAL



Equalizer Amplifier Assembly (GWF-103)

SWITCH AND OTHERS

Symbol	Description	Part No.
SW101	Rotary switch (FUNCTION) Switch-held metal Nut 9φ	ASD-064 ANF-487 B71-004

Symbol	Description	Part No.
R202	Carbon film 180k	RD½PS 184J
R203	Carbon film 68k	RD½VS 683J
R204	Carbon film 470k	RD½PS 474J NL
R205	Carbon film 36k	RD½PS 363J
R206	Carbon film 270	RD½PS 271J
R207	Carbon film 220	RD½PS 221J
R208	Carbon film 13k	RD½PS 133J
R209	Carbon film 240k	RD½PS 244J
R210	Carbon film 200	RD½PS 201J
R211	Carbon film 5.1k	RD½PS 512J
R212	Carbon film 220k	RD½PS 224J

CAPACITORS

Symbol	Description	Part No.
C101	Electrolytic 4.7 25V	CEANL 4R7P 25
C102	Electrolytic 220 6V	CEA 221P 6
C103	Ceramic 1000p 50V	CKDYB 102K 50
C104	Mylar 5600p 50V	CQMA 562J 50
C105	Mylar 0.018 50V	CQMA 183J 50
C106	Ceramic 470p 50V	CKDYB 471K 50
C107	Electrolytic 330 6V	CEA 331P 6
C108	Electrolytic 2.2 50V	CEA 2R2P 50
C111	Electrolytic 100 35V	CEA 101P 35
C112	Electrolytic 220 25V	CEA 221P 25
C201	Electrolytic 4.7 25V	CEANL 4R7P 25
C202	Electrolytic 220 6V	CEA 221P 6
C203	Ceramic 1000p 50V	CKDYB 102K 50
C204	Mylar 5600p 50V	CQMA 562J 50
C205	Mylar 0.018 50V	CQMA 183J 50
C206	Ceramic 470p 50V	CKDYB 471K 50
C207	Electrolytic 330 6V	CEA 331P 6
C208	Electrolytic 2.2 50V	CEA 2R2P 50
C211	Ceramic 0.047 50V	CKDYF 473Z 50
C212	Ceramic 0.047 50V	CKDYF 473Z 50
C213	Ceramic 0.047 50V	CKDYF 473Z 50

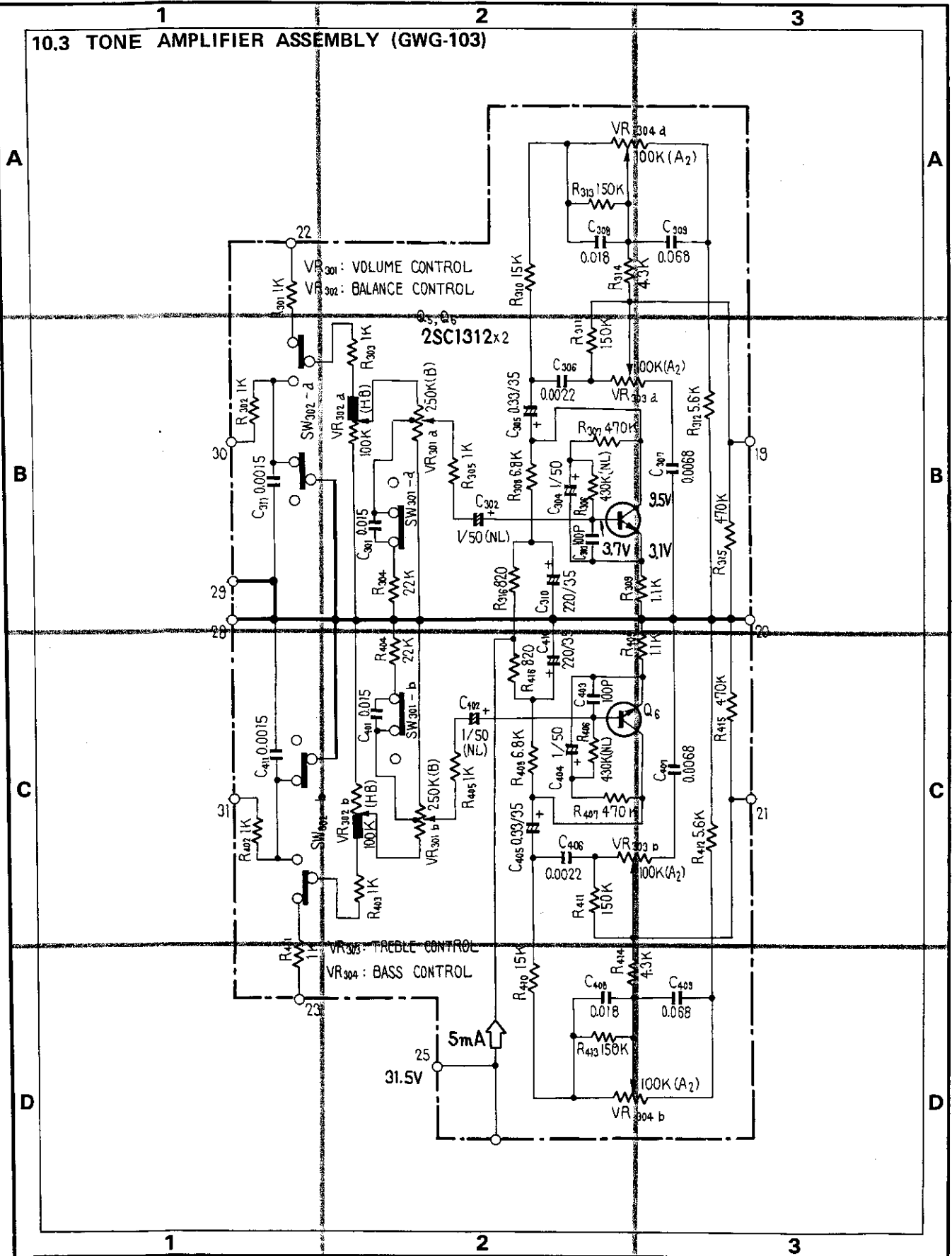
SEMICONDUCTORS

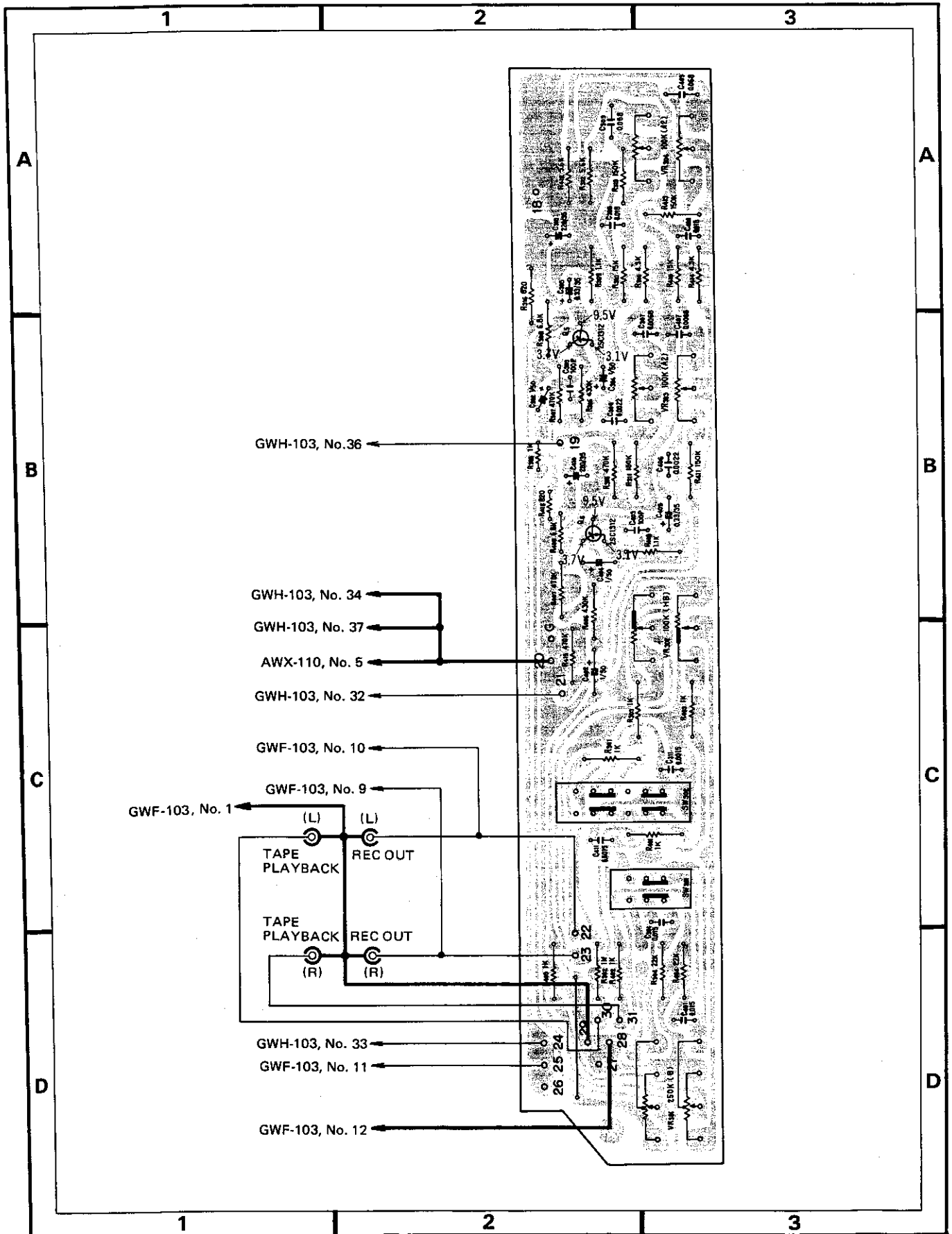
Symbol	Description	Part No.
Q1	Transistor	2SA725-F or G
Q2	Transistor	2SA725-F or G
Q3	Transistor	2SC1312-F or G
Q4	Transistor	2SC1312-F or G

RESISTORS

Symbol	Description	Part No.
R101	Carbon film 4.3k	RD½PS 432J
R102	Carbon film 180k	RD½PS 184J
R103	Carbon film 68k	RD½PS 683J
R104	Carbon film 470k	RD½PS 474J NL
R105	Carbon film 36k	RD½PS 363J
R106	Carbon film 270	RD½PS 271J
R107	Carbon film 220	RD½PS 221J
R108	Carbon film 13k	RD½PS 133J
R109	Carbon film 240k	RD½PS 244J
R110	Carbon film 200	RD½PS 201J
R111	Carbon film 5.1k	RD½PS 512J
R112	Carbon film 220k	RD½PS 224J
R120	Carbon film 150	RD½PS 151J
R121	Carbon film 240k	RD½PS 244J
R201	Carbon film 4.3k	RD½PS 432J

10.3 TONE AMPLIFIER ASSEMBLY (GWG-103)





Tone Amplifier Assembly (GWG-103)

SWITCHES AND OTHERS

Symbol	Description	Part No.
SW301	Lever switch (LOUDNESS)	ASK-120
SW302	Lever switch (TAPE MONITOR)	ASK-092
	Variable resistor-held metal Boss	ANF-488
	Nut 9φ	ABN-021
		B71-004
	Shield board	ANH-331

CAPACITORS

Symbol	Description	Part No.
C301	Mylar 0.015 50V	CQMA 153J 50
C302	Electrolytic 1 50V	CEANL 010P 50
C303	Ceramic 100p 50V	CCDSL 101K 50
C304	Electrolytic 1 50V	CEA 010P 50
C305	Electrolytic 0.33 35V	CSZA R33M 35
C306	Mylar 2200p 50V	CQMA 222J 50
C307	Mylar 6800p 50V	CQMA 682J 50
C308	Mylar 0.018 50V	CQMA 183J 50
C309	Mylar 0.068 50V	CQMA 683J 50
C310	Electrolytic 220 35V	CEA 221P 35
C311	Ceramic 1500p 50V	CKDYB 152K 50
C401	Mylar 0.015 50V	CQMA 153J 50
C402	Electrolytic 1 50V	CEANL 010P 50
C403	Ceramic 100p 50V	CCDSL 101K 50
C404	Electrolytic 1 50V	CEA 010P 50
C405	Electrolytic 0.33 35V	CSZA R33M 35
C406	Mylar 2200p 50V	CQMA 222J 50
C407	Mylar 6800p 50V	CQMA 682J 50
C408	Mylar 0.018 50V	CQMA 183J 50
C409	Mylar 0.068 50V	CQMA 683J 50
C410	Electrolytic 220 35V	CEA 221P 35
C411	Ceramic 1500p 50V	CKDYB 152K 50

RESISTORS

Symbol	Description	Part No.
VR301	Variable resistor (VOLUME) 250k	ACV-181
VR302	Variable resistor (BALANCE) 100k	ACV-126
VR303	Variable resistor (TREBLE) 100k	ACV-182
VR304	Variable resistor (BASS) 100k	ACV-182
R301	Carbon film 1k	RD%PS 102J
R302	Carbon film 1k	RD%PS 102J
R303	Carbon film 1k	RD%PS 102J
R304	Carbon film 22k	RD%PS 223J
R305	Carbon film 1k	RD%VS 102J
R306	Carbon film 430k	RD%PS 434J NL
R307	Carbon film 470k	RD%PS 474J
R308	Carbon film 6.8k	RD%PS 682J
R309	Carbon film 1.1k	RD%PS 112J
R310	Carbon film 15k	RD%PS 153J

Symbol	Description	Part No.
R311	Carbon film 150k	RD%PS 154J
R312	Carbon film 5.6k	RD%PS 562J
R313	Carbon film 150k	RD%PS 154J
R314	Carbon film 4.3k	RD%PS 432J
R315	Carbon film 470k	RD%PS 474J
R316	Carbon film 820	RD%PS 821J
R401	Carbon film 1k	RD%PS 102J
R402	Carbon film 1k	RD%PS 102J
R403	Carbon film 1k	RD%PS 102J
R404	Carbon film 22k	RD%PS 223J
R405	Carbon film 1k	RD%PS 102J
R406	Carbon film 430k	RD%PS 434J NL
R407	Carbon film 470k	RD%PS 474J
R408	Carbon film 6.8k	RD%VS 682J
R409	Carbon film 1.1k	RD%PS 112J
R410	Carbon film 15k	RD%PS 153J
R411	Carbon film 150k	RD%PS 154J
R412	Carbon film 5.6k	RD%PS 562J
R413	Carbon film 150k	RD%PS 154J
R414	Carbon film 4.3k	RD%PS 432J
R415	Carbon film 470k	RD%PS 474J
R416	Carbon film 820	RD%VS 821J

SEMICONDUCTORS

Symbol	Description	Part No.
Q5	Transistor	2SC1312-F or G
Q6	Transistor	2SC1312-F or G

10.4 POWER AMPLIFIER ASSEMBLY (GWH-103)

COILS AND OTHERS

Symbol	Description	Part No.
L501	AF choke coil 1 μ H	ATH-011
L601	AF choke coil 1 μ H	ATH-011
	Heat sink	ANH-332
	Spacer	AEC-339
	Fuse clip (large)	AKR-013
	Fuse clip	AKR-030
	Screw 3 x 12 (MC)	ABA-143

Symbol	Description	Part No.
R506	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R507	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R508	Carbon film 7.5k	RD $\frac{1}{2}$ PM 752J
R601	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R602	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R603	Carbon film 680	RD $\frac{1}{2}$ PS 681J
R604	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R605	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R606	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R607	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R608	Carbon film 7.5k	RD $\frac{1}{2}$ PM 752J
R701	Metal oxide 150 1W	RS1P 151J
R702	Carbon film 2k	RD $\frac{1}{2}$ PS 202J
R703	Carbon film 39	RD $\frac{1}{2}$ PS 390J
R704	Metal oxide 1k 1W	RS1P 102J

CAPACITORS

Symbol	Description	Part No.
C501	Electrolytic 1 50V	CEA 010P 50
C502	Mylar 0.1 50V	CQMA 104J 50
C503	Ceramic 120p 50V	CCDSL 121K 50
C504	Electrolytic 330 6V	CEA 331P 6
C505	Ceramic 18p 50V	CCDSL 180J 50
C506	Mylar 0.1 50V	CQMA 104J 50
C507	Mylar 0.047 50V	CQMA 473J 50
C508	Ceramic 120p 50V	CCDSL 121K 50
C509	Ceramic 0.047 150V	ACG-009
C601	Electrolytic 1 50V	CEA 010P 50
C602	Mylar 0.1 50V	CQMA 104J 50
C603	Ceramic 120p 50V	CCDSL 121K 50
C604	Electrolytic 330 6V	CEA 331P 6
C605	Ceramic 18p 50V	CCDSL 180J 50
C606	Mylar 0.1 50V	CQMA 104J 50
C607	Mylar 0.047 50V	CQMA 473J 50
C608	Ceramic 120p 50V	CCDSL 121K 50
C609	Ceramic 0.047 150V	ACG-009
C701	Electrolytic 4700 35V	ACH-043
C702	Electrolytic 4700 35V	ACH-043
C703	Ceramic 0.01 150V	ACG-004
C704	Ceramic 0.01 150V	ACG-004
C705	Electrolytic 1000 50V	CEA 102P 50
C706	Electrolytic 470 35V	CEA 471P 35
C707	Ceramic 0.01 50V	CKDYB 103K 50
C708	Electrolytic 220 35V	CEA 221P 35

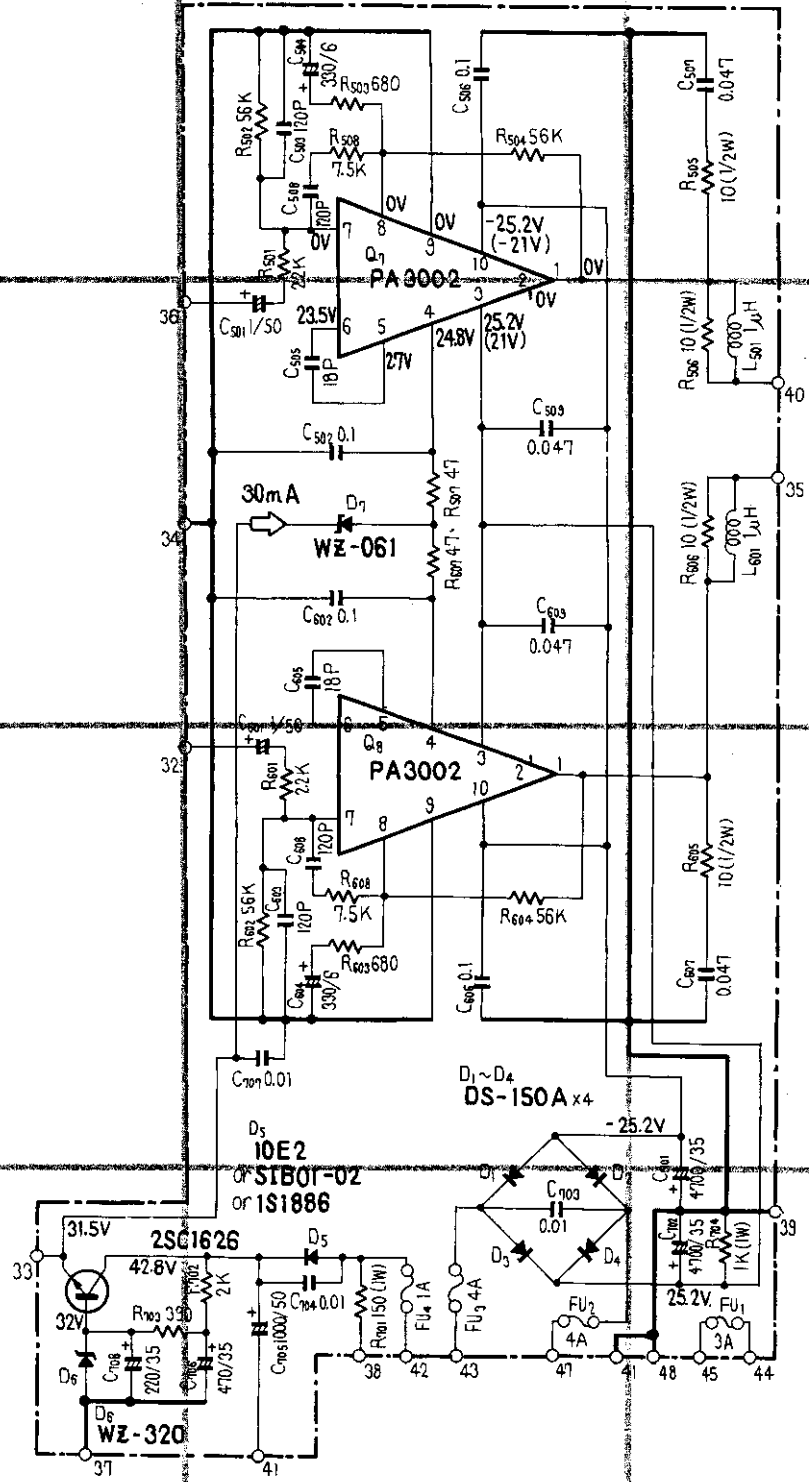
SEMICONDUCTORS

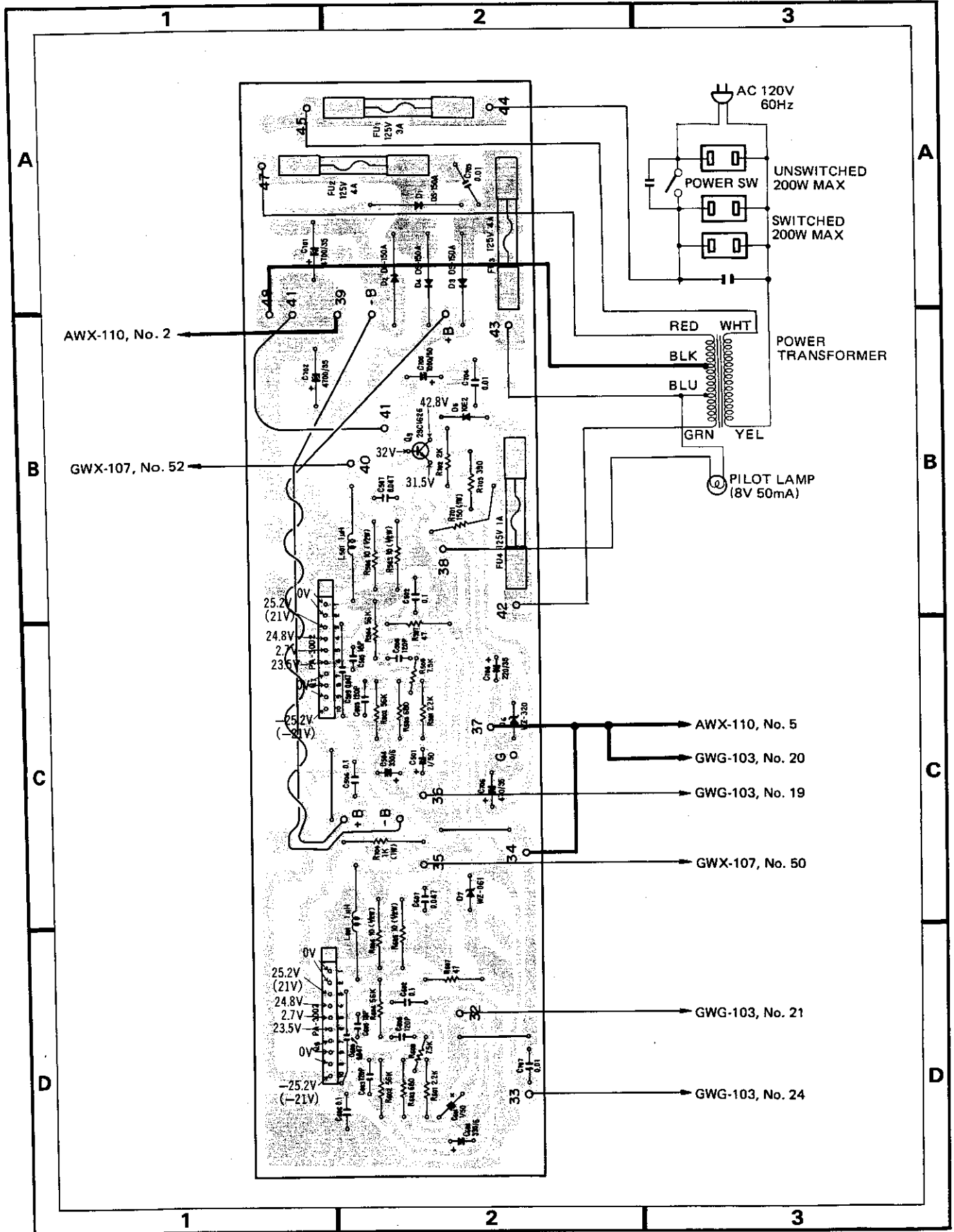
Symbol	Description	Part No.
Q7	IC	PA3002-A
Q8	IC	PA3002-A
Q9	Transistor	2SC1626-O or Y
D1	Diode	DS-150A
D2	Diode	DS-150A
D3	Diode	DS-150A
D4	Diode	DS-150A
D5	Diode	10E2 (1S1886 or S1B01-02)
D6	Zener diode	WZ-320
D7	Zener diode	WZ-061

RESISTORS

Symbol	Description	Part No.
R501	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R502	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R503	Carbon film 680	RD $\frac{1}{2}$ PS 681J
R504	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R505	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J

Power Amplifier Assembly (GWH-103)





AWX-110, No. 2

GWX-107, No. 52

AC 120V
60Hz

UNSWITCHED
200W MAX

SWITCHED
200W MAX

POWER SW

RED WHT
BLK BLU
GRN YEL

POWER TRANSFORMER

PILOT LAMP
(8V 50mA)

AWX-110, No. 5

GWG-103, No. 20

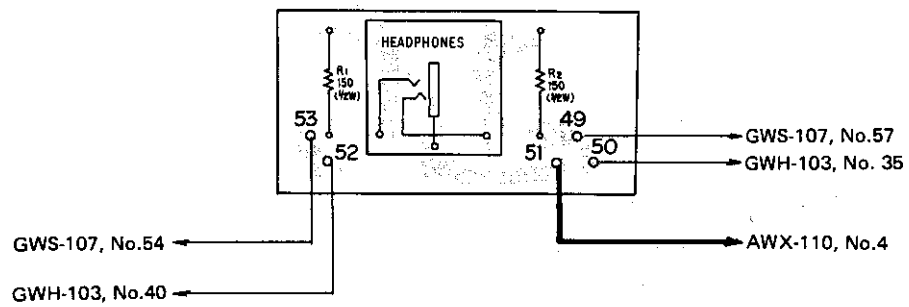
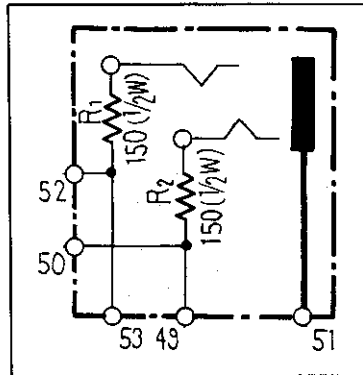
GWG-103, No. 19

GWX-107, No. 50

GWG-103, No. 21

GWG-103, No. 24

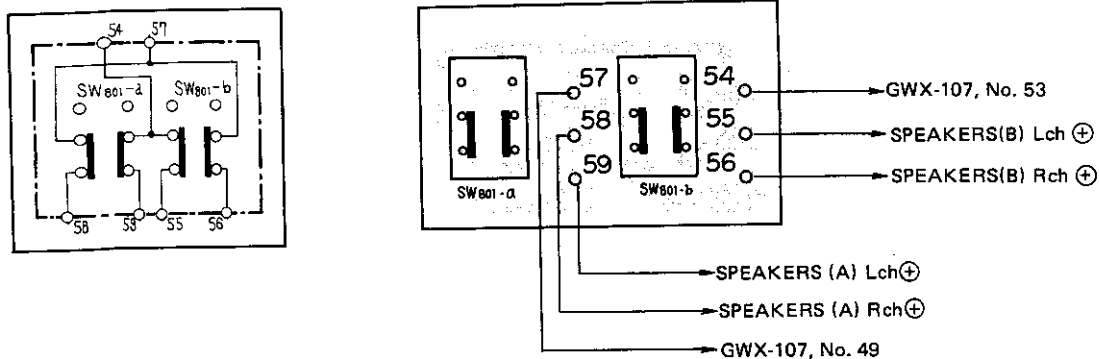
10.5 HEADPHONES ASSEMBLY (GWX-107)



Parts List

Symbol	Description	Part No.
	Phone jack (A)	AKN-009
R1	Carbon film 150 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 151J
R2	Carbon film 150 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 151J

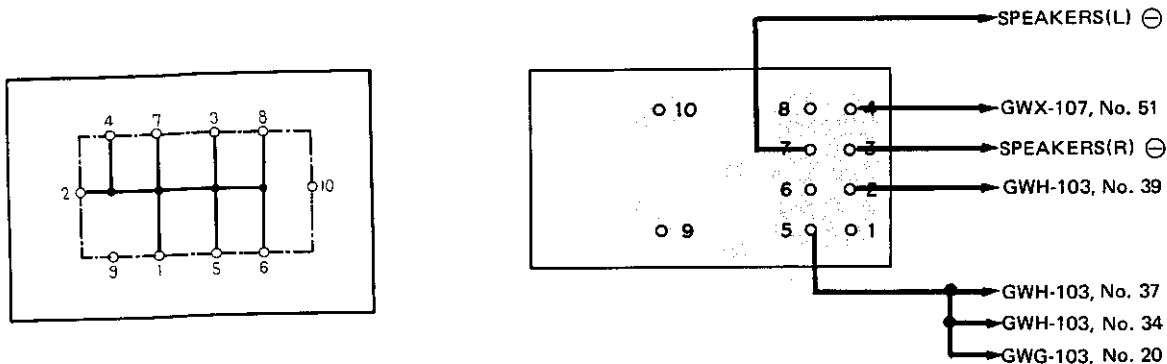
10.6 SPEAKER SELECTOR ASSEMBLY (GWS-107)



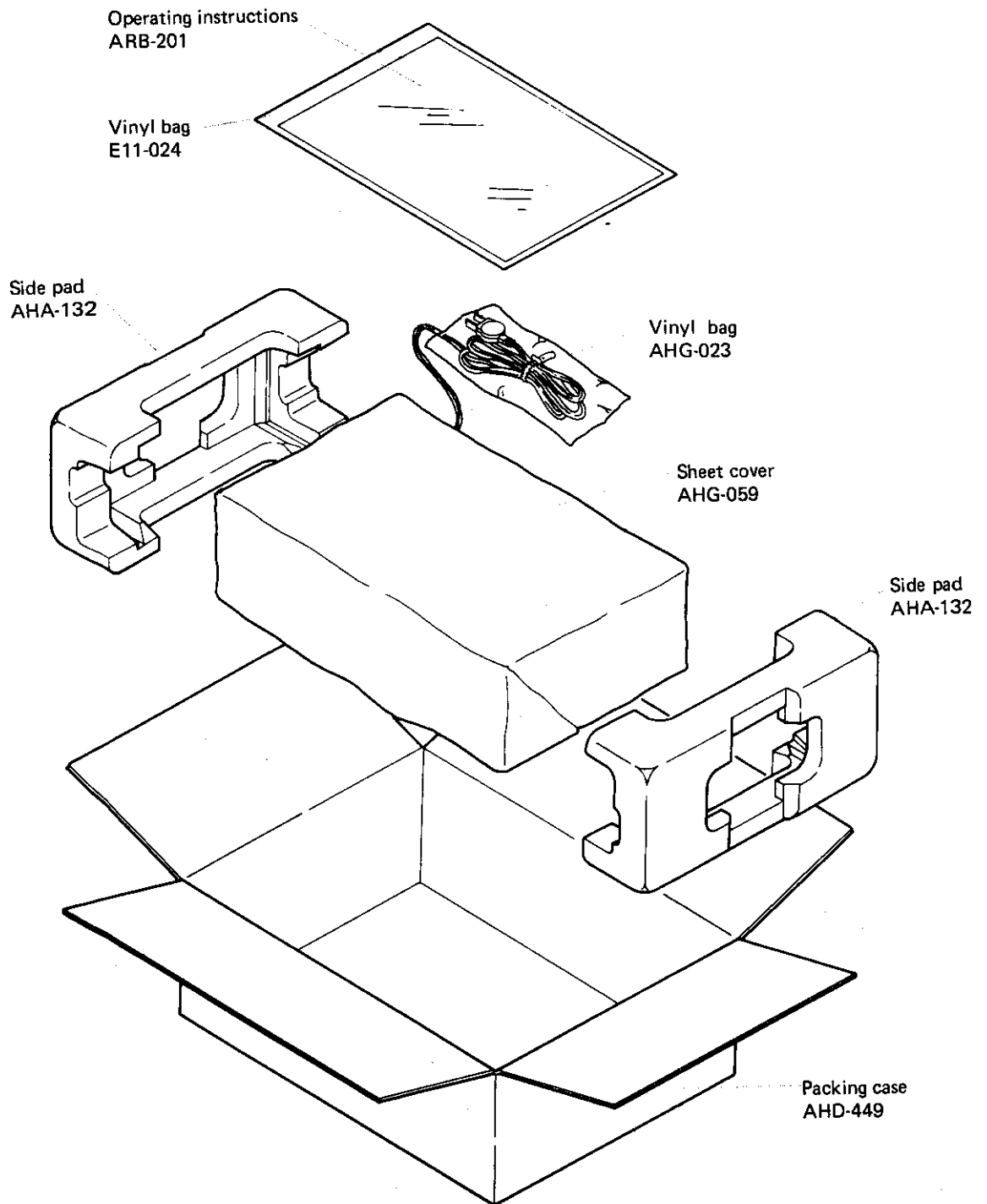
Part List

Symbol	Description	Part No.
SW801	Push switch (SPEAKERS)	ASG-117

10.7 EARTH ASSEMBLY (AWX-110)



11. PACKING



STEREO AMPLIFIER

SA-5500II

KC, HG, S

Additional

Service Manual

NOTE:

This leaflet provides the description of the parts applies only to the KC, HG and S type.
For detailed please refer to the Service Manual of SA-5500II/KU.

 **PIONEER®**

MODEL SA-5500II COMES IN FOUR VERSIONS DISTINGUISHED AS FOLLOWS:

Type	Voltage	Remarks
KU	120V	UL (U.S.A.) approved.
KC	120V	CSA (Canada) approved.
HG	220V and 240V (Switchable)	SEMKO (Sweden), NEMKO (Norway), DEMKO (Denmark) and EI (Finland) approved.
S	110V, 120V, 220V and 240V (Switchable)	General export model.

1. SPECIFICATIONS

The specifications for "KC" "HG" and "S" types are same as "KU" type except for following sections.

Power Requirements 120V 60Hz only KC type
 220V and 240V (Switchable) HG type
 110V, 120V, 220V and 240V (Switchable) S type

Power Consumption 100VA (CSA), 130W (Max.) KC type
 130W (Max.) HG type
 130W (Max.) S type

2. CONTRAST OF MISCELLANEOUS PARTS

ASSEMBLIES

Symbol	Description	Part No.				Remarks
		KU type	KC type	HG type	S type	
	Power amplifier assembly	GWH-103	GWH-104	GWH-105	GWH-106	
	Tone amplifier assembly	GWG-103	GWG-104	GWG-105	GWG-106	
	Equalizer amplifier assembly	GWF-103	GWF-104	GWF-105	GWF-106	
	Headphones assembly	GWX-107	GWX-108	GWX-109	GWX-110	
	Speakers selector assembly	GWS-107	GWS-108	GWS-109	GWS-110	
	DIN assembly	.....	.....	AWX-112	AWX-112	
	Earth assembly	AWX-110	AWX-110	AWX-111	AWX-111	

FUSES

Symbol	Description	Part No.				Remarks
		KU type	KC type	HG type	S type	
FU1	Fuse 3A 1.6A 1.5A	AEK-101	AEK-101 ..... .....	..... AEK-405 .....	..... ..... AEK-104	
FU2	Fuse 4A	AEK-100	AEK-100	AEK-400	AEK-100	
FU3	Fuse 4A	AEK-100	AEK-100	AEK-400	AEK-100	
FU4	Fuse 1A	AEK-106	AEK-106	AEK-402	AEK-106	

CAPACITORS

Symbol	Description	Part No.				Remarks
		KU type	KC type	HG type	S type	
C1	Ceramic 0.01	ACG-001	ACG-014	.....	ACG-001	
C2	Ceramic 0.01	ACG-003	ACG-014	.....	.....

SWITCHES

Symbol	Description	Part No.				Remarks
		KU type	KC type	HG type	S type	
S1	Lever switch (POWER)	ASK-108	ASK-108	ASK-125	ASK-126	
S2	Plug in selector (Line voltage selector)	.....	.....	AKX-037	AKR-031	

TRANSFORMER

Symbol	Description	Part No.				Remarks
		KU type	KC type	HG type	S type	
T1	Power transformer	ATT-356	ATT-357	ATT-358	ATT-359	

OTHERS

Symbol	Description	Part No.				Remarks
		KU type	KC type	HG type	S type	
	Strain relief (POWER CORD)	AEC-358	AEC-358	.....	AEC-337	
	Capacitor cover	AEC-294	.....	.....	.....
	Capacitor cover (large)	AEC-279	AEC-279	.....	.....
	Inlet-held plate (AC socket)	.....	.....	ANF-521	.....
	AC socket (OUTLET)	AKP-005	AKP-005	.....	AKP-004	
	AC socket (INLET)	.....	.....	AKP-008	.....
	AC power cord	ADG-005	ADG-005	.....	ADG-016	
	Packing case	AHD-449	AHD-450	AHD-451	AHD-449	

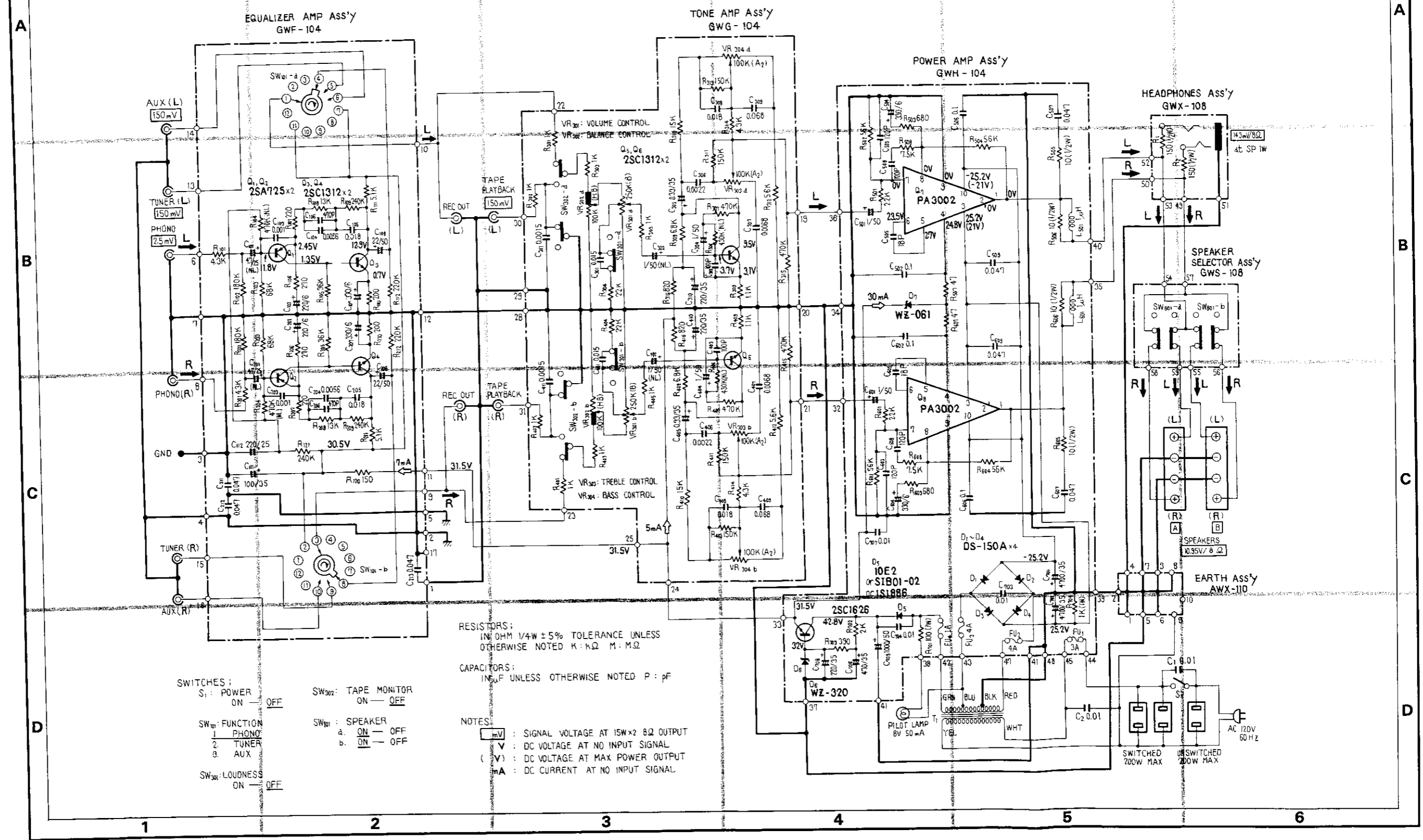
FURNISHED PARTS

Symbol	Description	Part No.				Remarks
		KU type	KC type	HG type	S type	
	Operating instructions	ARB-201	ARB-201	ARB-202 ARD-101	ARB-202	English German/French
	Vinyl bag	.....	.....	.....	E11-033	
	Fuse 1.5A	.....	.....	.....	AEK-104	
	Fuse 3A	.....	.....	.....	AEK-101	

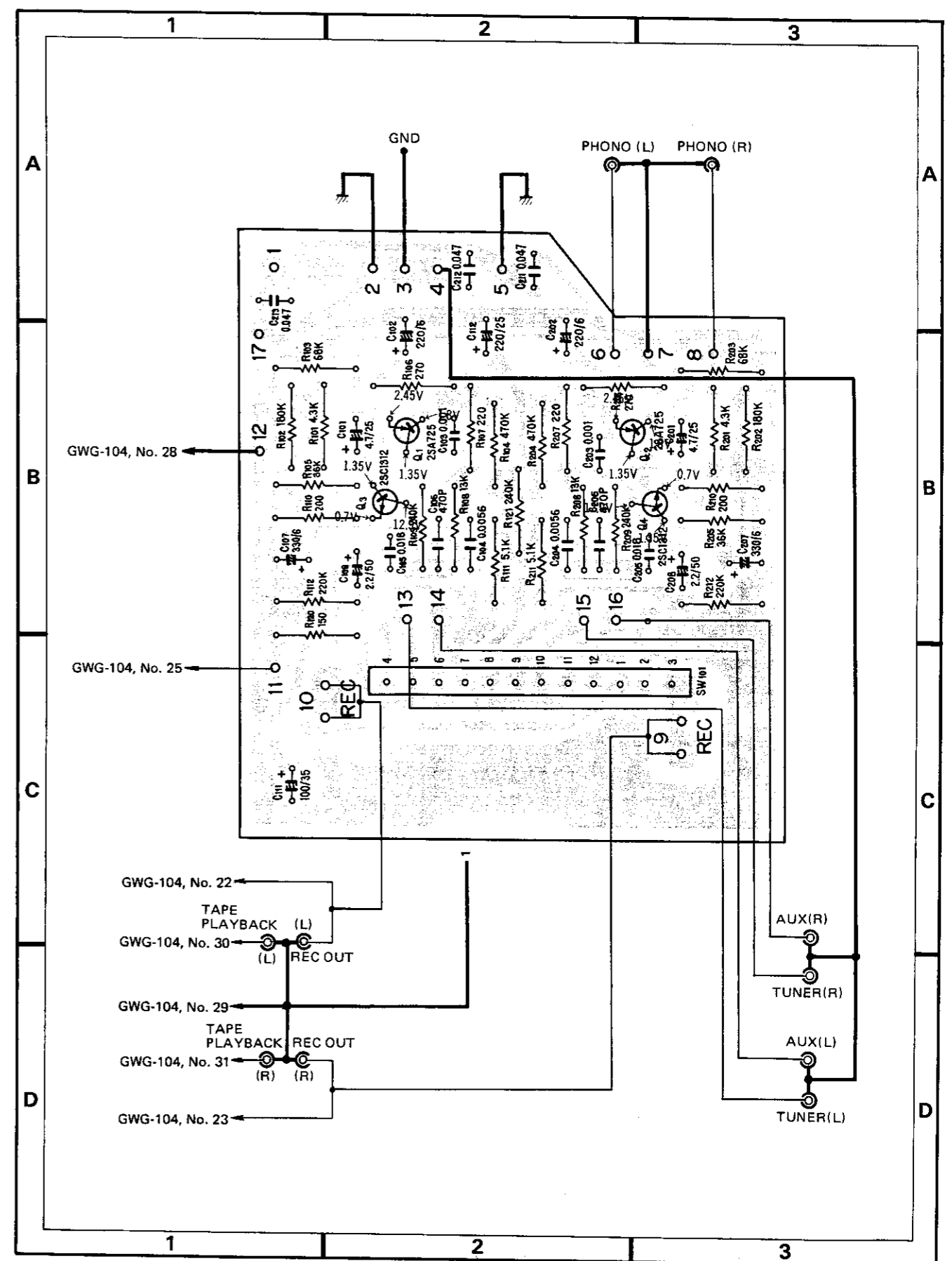
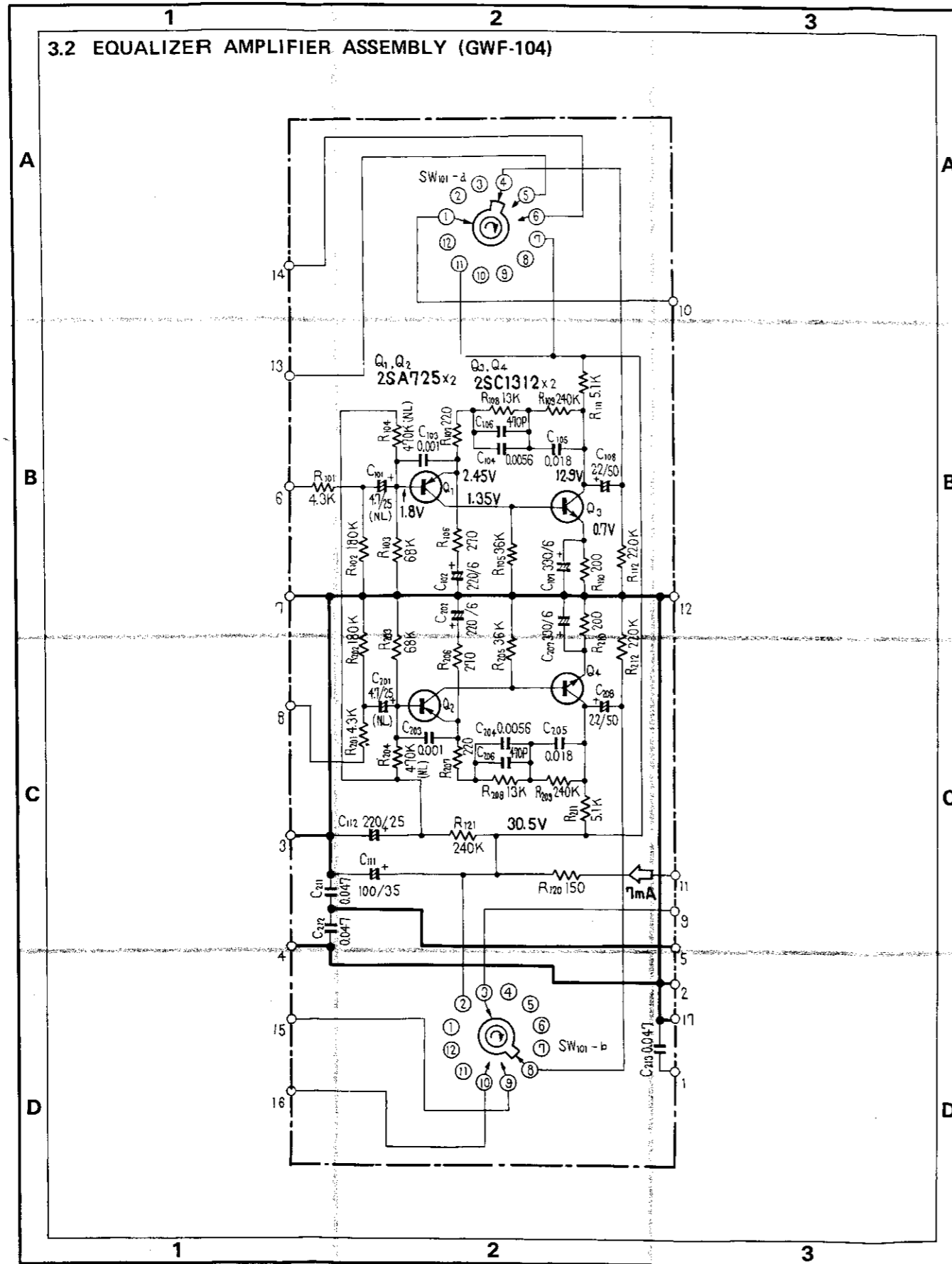
3. MODEL SA-5500 II / KC

3.1 SCHEMATIC DIAGRAM

NOTE:
The indicated semiconductors are representative ones only.
Other alternative semiconductors may be used and are
listed in the parts list.



SA-5500 II / KC



Equalizer Amplifier Assembly (GWF-104)

SWITCH AND OTHERS

Symbol	Description	Part No.
SW101	Rotary switch (FUNCTION) Switch-held metal Nut 9φ	ASD-064 ANF-487 B71-004

CAPACITORS

Symbol	Description	Part No.
C101	Electrolytic 4.7 25V	CEANL 4R7P 25
C102	Electrolytic 220 6V	CEA 221P 6
C103	Ceramic 1000p 50V	CKDYB 102K 50
C104	Mylar 5600p 50V	CQMA 562J 50
C105	Mylar 0.018 50V	CQMA 183J 50
C106	Ceramic 470p 50V	CKDYB 471K 50
C107	Electrolytic 330 6V	CEA 331P 6
C108	Electrolytic 2.2 50V	CEA 2R2P 50
C111	Electrolytic 100 35V	CEA 101P 35
C112	Electrolytic 220 25V	CEA 221P 25
C201	Electrolytic 4.7 25V	CEANL 4R7P 25
C202	Electrolytic 220 6V	CEA 221P 6
C203	Ceramic 1000p 50V	CKDYB 102K 50
C204	Mylar 5600p 50V	CQMA 562J 50
C205	Mylar 0.018 50V	CQMA 183J 50
C206	Ceramic 470p 50V	CKDYB 471K 50
C207	Electrolytic 330 6V	CEA 331P 6
C208	Electrolytic 2.2 50V	CEA 2R2P 50
C211	Ceramic 0.047 50V	CKDYF 473Z 50
C212	Ceramic 0.047 50V	CKDYF 473Z 50
C213	Ceramic 0.047 50V	CKDYF 473Z 50

RESISTORS

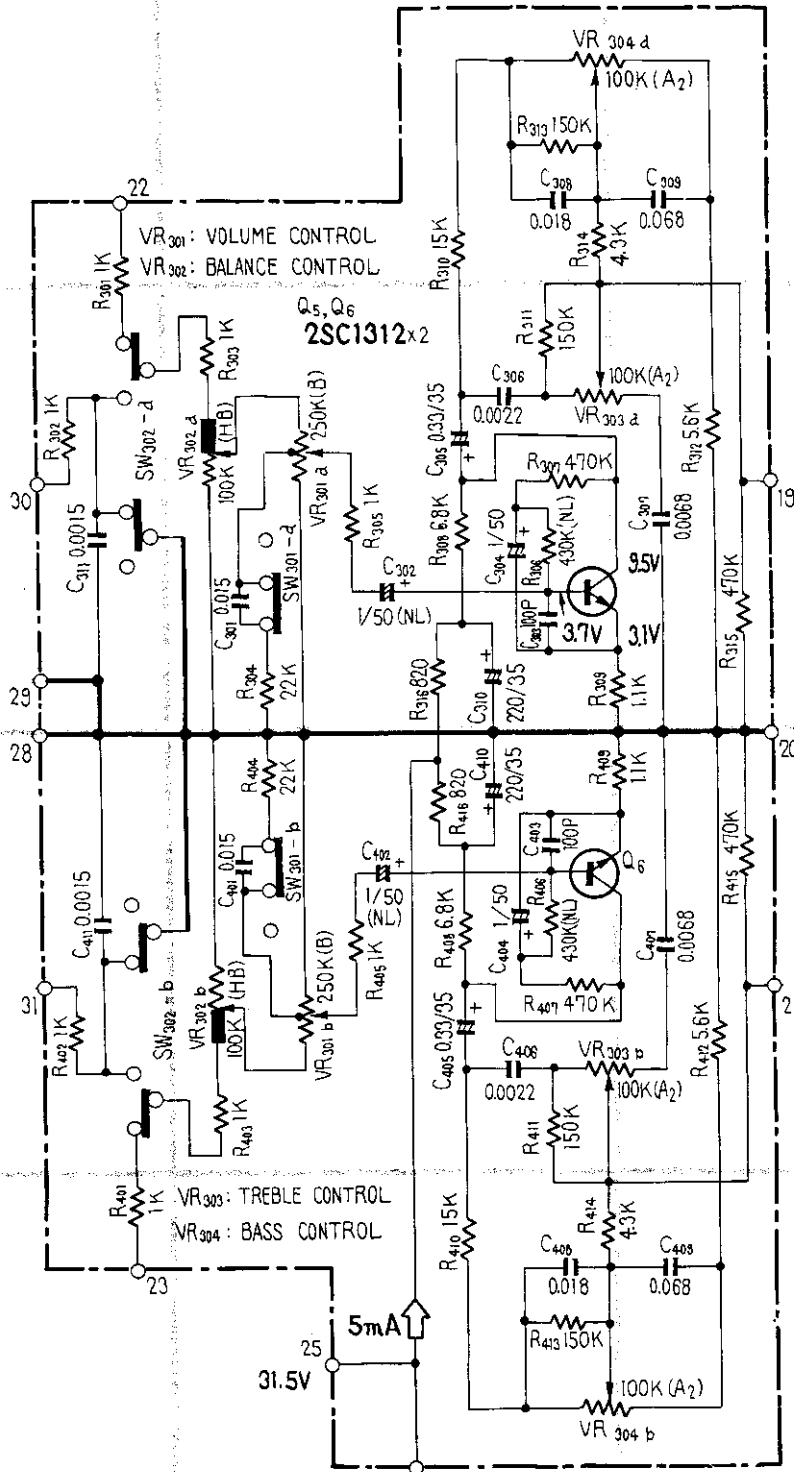
Symbol	Description	Part No.
R101	Carbon film 4.3k	RD%PS 432J
R102	Carbon film 180k	RD%PS 184J
R103	Carbon film 68k	RD%PS 683J
R104	Carbon film 470k	RD%PS 474J NL
R105	Carbon film 36k	RD%PS 363J
R106	Carbon film 270	RD%PS 271J
R107	Carbon film 220	RD%PS 221J
R108	Carbon film 13k	RD%PS 133J
R109	Carbon film 240k	RD%PS 244J
R110	Carbon film 200	RD%PS 201J
R111	Carbon film 5.1k	RD%PS 512J
R112	Carbon film 220k	RD%PS 224J
R120	Carbon film 150	RD%PS 151J
R121	Carbon film 240k	RD%PS 244J
R201	Carbon film 4.3k	RD%PS 432J

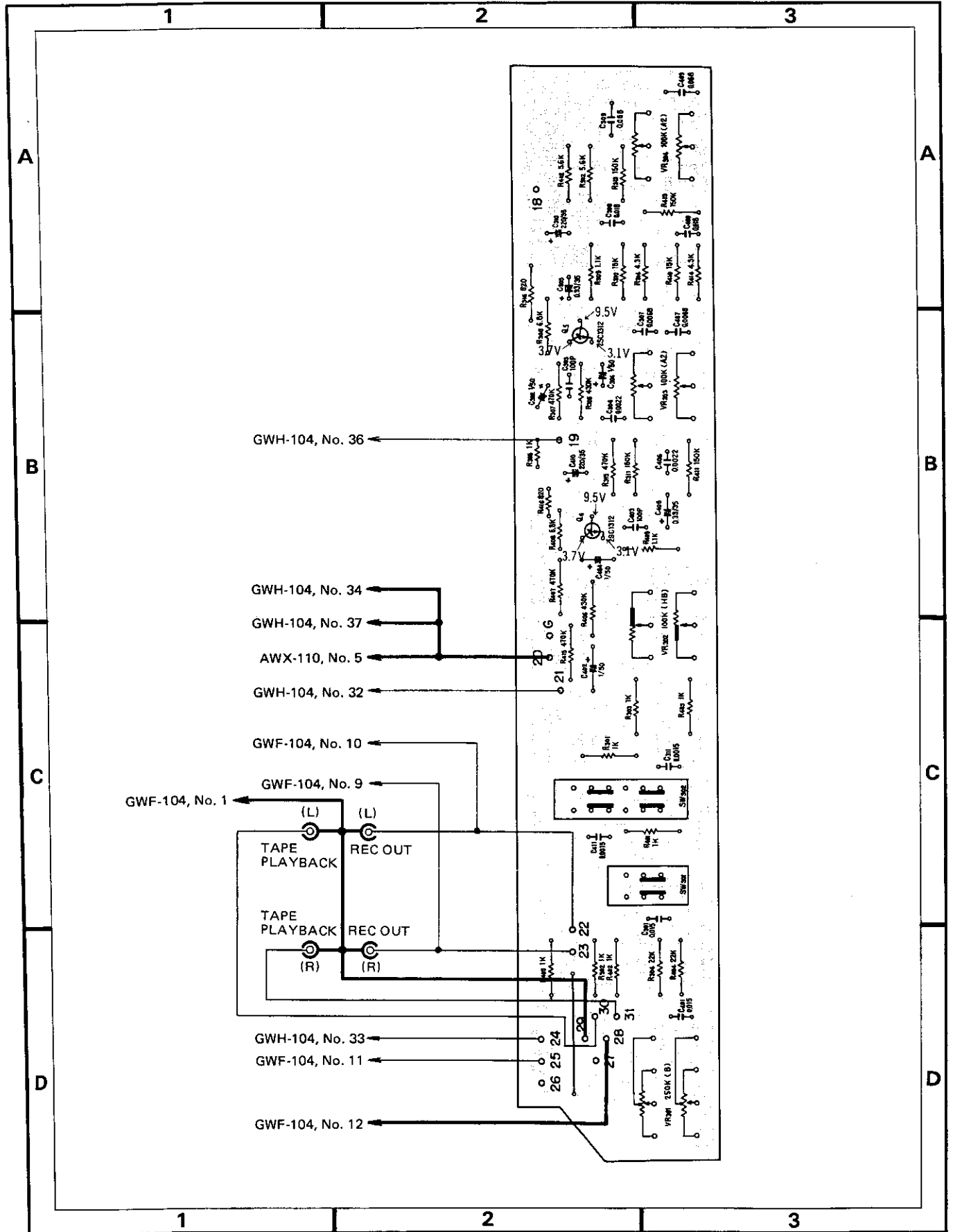
Symbol	Description	Part No.
R202	Carbon film 180k	RD%PS 184J
R203	Carbon film 68k	RD%VS 683J
R204	Carbon film 470k	RD%PS 474J NL
R205	Carbon film 36k	RD%PS 363J
R206	Carbon film 270	RD%PS 271J
R207	Carbon film 220	RD%PS 221J
R208	Carbon film 13k	RD%PS 133J
R209	Carbon film 240k	RD%PS 244J
R210	Carbon film 200	RD%PS 201J
R211	Carbon film 5.1k	RD%PS 512J
R212	Carbon film 220k	RD%PS 224J

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SA725-F or G
Q2	Transistor	2SA725-F or G
Q3	Transistor	2SC1312-F or G
Q4	Transistor	2SC1312-F or G

3.3 TONE AMPLIFIER ASSEMBLY (GWG-104)





Tone Amplifier Assembly (GWG-104)

SWITCHES AND OTHERS

Symbol	Description	Part No.
SW301	Lever switch (LOUDNESS)	ASK-120
SW302	Lever switch (TAPE MONITOR)	ASK-092
	Variable resistor-held metal	ANF-488
	Boss	ABN-021
	Nut 9φ	B71-004
	Shield board	ANH-331

CAPACITORS

Symbol	Description	Part No.
C301	Mylar 0.015 50V	CQMA 153J 50
C302	Electrolytic 1 50V	CEANL 010P 50
C303	Ceramic 100p 50V	CCDSL 101K 50
C304	Electrolytic 1 50V	CEA 010P 50
C305	Electrolytic 0.33 35V	CSZA R33M 35
C306	Mylar 2200p 50V	CQMA 222J 50
C307	Mylar 6800p 50V	CQMA 682J 50
C308	Mylar 0.018 50V	CQMA 183J 50
C309	Mylar 0.068 50V	CQMA 683J 50
C310	Electrolytic 220 35V	CEA 221P 35
C311	Ceramic 1500p 50V	CKDYB 152J 50
C401	Mylar 0.015 50V	CQMA 153J 50
C402	Electrolytic 1 50V	CEANL 010P 50
C403	Ceramic 100p 50V	CCDSL 101K 50
C404	Electrolytic 1 50V	CEA 010P 50
C405	Electrolytic 0.33 35V	CSZA R33M 35
C406	Mylar 2200p 50V	CQMA 222J 50
C407	Mylar 6800p 50V	CQMA 682J 50
C408	Mylar 0.018 50V	CQMA 183J 50
C409	Mylar 0.068 50V	CQMA 683J 50
C410	Electrolytic 220 35V	CEA 221P 35
C411	Ceramic 1500p 50V	CKDYB 152K 50

RESISTORS

Symbol	Description	Part No.
VR301	Variable resistor (VOLUME)250k	ACV-181
VR302	Variable resistor (BALANCE)100k	ACV-126
VR303	Variable resistor (TREBLE)100k	ACV-182
VR304	Variable resistor (BASS) 100k	ACV-182
R301	Carbon film 1k	RD%PS 102J
R302	Carbon film 1k	RD%PS 102J
R303	Carbon film 1k	RD%PS 102J
R304	Carbon film 22k	RD%PS 223J
R305	Carbon film 1k	RD%VS 102J

Symbol	Description	Part No.
R306	Carbon film 430k	RD%PS 434J NL
R307	Carbon film 470k	RD%PS 474J
R308	Carbon film 6.8k	RD%PS 682J
R309	Carbon film 1.1k	RD%PS 112J
R310	Carbon film 15k	RD%PS 153J
R311	Carbon film 150k	RD%PS 154J
R312	Carbon film 5.6k	RD%PS 562J
R313	Carbon film 150k	RD%PS 154J
R314	Carbon film 4.3k	RD%PS 432J
R315	Carbon film 470k	RD%PS 474J
R316	Carbon film 820	RD%PS 821J
R401	Carbon film 1k	RD%PS 102J
R402	Carbon film 1k	RD%PS 102J
R403	Carbon film 1k	RD%PS 102J
R404	Carbon film 22k	RD%PS 223J
R405	Carbon film 1k	RD%PS 102J
R406	Carbon film 430k	RD%PS 434J NL
R407	Carbon film 470k	RD%PS 474J
R408	Carbon film 6.8k	RD%VS 682J
R409	Carbon film 1.1k	RD%PS 112J
R410	Carbon film 15k	RD%PS 153J
R411	Carbon film 150k	RD%PS 154J
R412	Carbon film 5.6k	RD%PS 562J
R413	Carbon film 150k	RD%PS 154J
R414	Carbon film 4.3k	RD%PS 432J
R415	Carbon film 470k	RD%PS 474J
R416	Carbon film 820	RD%VS 821J

SEMICONDUCTORS

Symbol	Description	Part No.
Q5	Transistor	2SC1312-F or G
Q6	Transistor	2SC1312-F or G

3.4 POWER AMPLIFIER ASSEMBLY (GWH-104)

COILS AND OTHERS

Symbol	Description	Part No.
L501	AF choke coil 1 μ H	ATH-011
L601	AF choke coil 1 μ H	ATH-011
	Heat sink	ANH-332
	Spacer	AEC-339
	Fuse clip (large)	AKR-013
	Fuse clip	AKR-030
	Screw 3 x 12 (MC)	ABA-143

CAPACITORS

Symbol	Description	Part No.
C501	Electrolytic 1 50V	CEA 010P 50
C502	Mylar 0.1 50V	CQMA 104J 50
C503	Ceramic 120p 50V	CCDSL 121K 50
C504	Electrolytic 330 6V	CEA 331P 6
C505	Ceramic 18p 50V	CCDSL 180J 50
C506	Mylar 0.1 50V	CQMA 104J 50
C507	Mylar 0.047 50V	CQMA 473J 50
C508	Ceramic 120p 50V	CCDSL 121K 50
C509	Ceramic 0.047 150V	ACG-009
C601	Electrolytic 1 50V	CEA 010P 50
C602	Mylar 0.1 50V	CQMA 104J 50
C603	Ceramic 120p 50V	CCDSL 121K 50
C604	Electrolytic 330 6V	CEA 331P 6
C605	Ceramic 18p 50V	CCDSL 180J 50
C606	Mylar 0.1 50V	CQMA 104J 50
C607	Mylar 0.047 50V	CQMA 473J 50
C608	Ceramic 120p 50V	CCDSL 121K 50
C609	Ceramic 0.047 150V	ACG-009
C701	Electrolytic 4700 35V	ACH-043
C702	Electrolytic 4700 35V	ACH-043
C703	Ceramic 0.01 150V	ACG-004
C704	Ceramic 0.01 150V	ACG-004
C705	Electrolytic 1000 50V	CEA 102P 50
C706	Electrolytic 470 35V	CEA 471P 35
C707	Ceramic 0.01 50V	CKDYB 103K 50
C708	Electrolytic 220 35V	CEA 221P 35

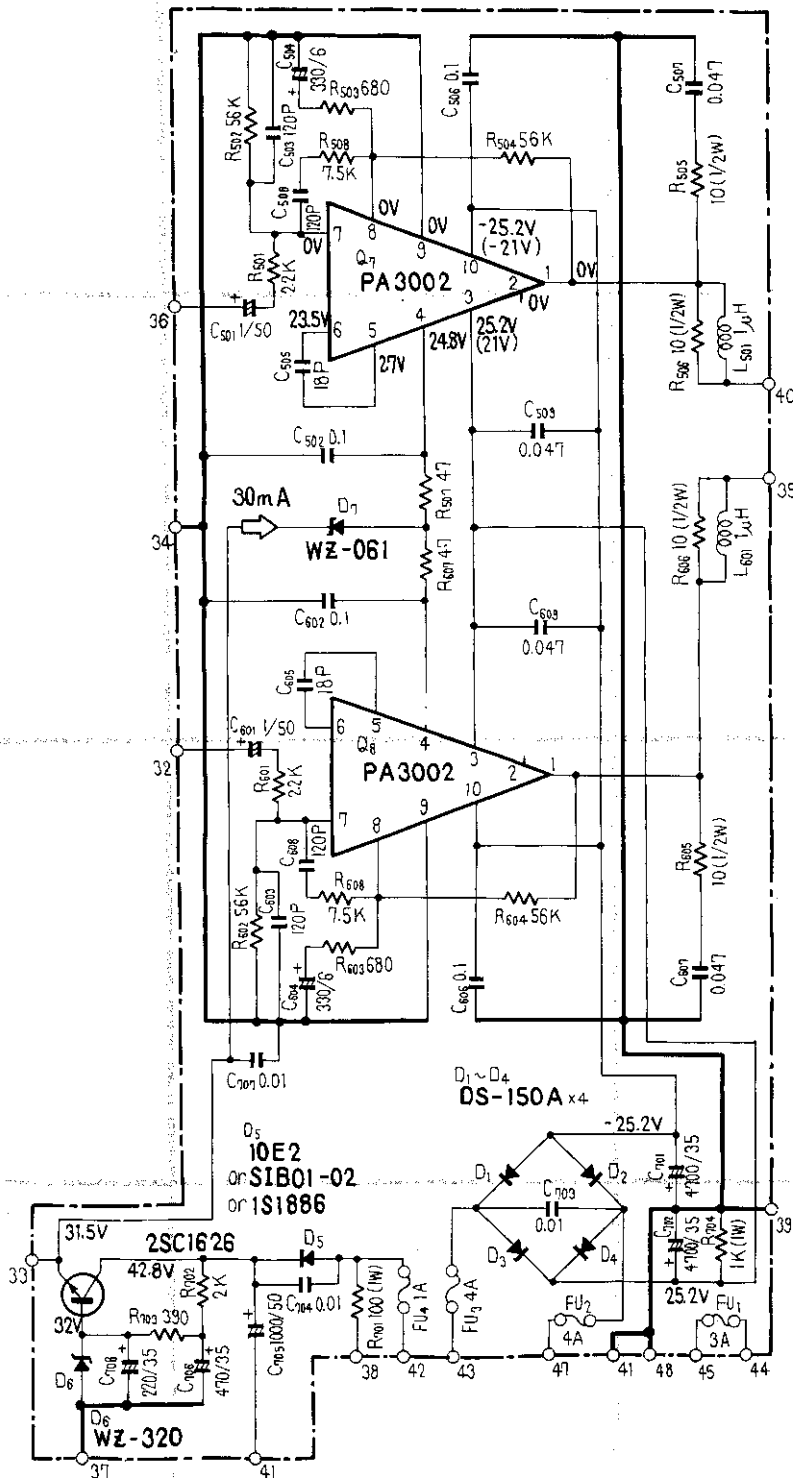
RESISTORS

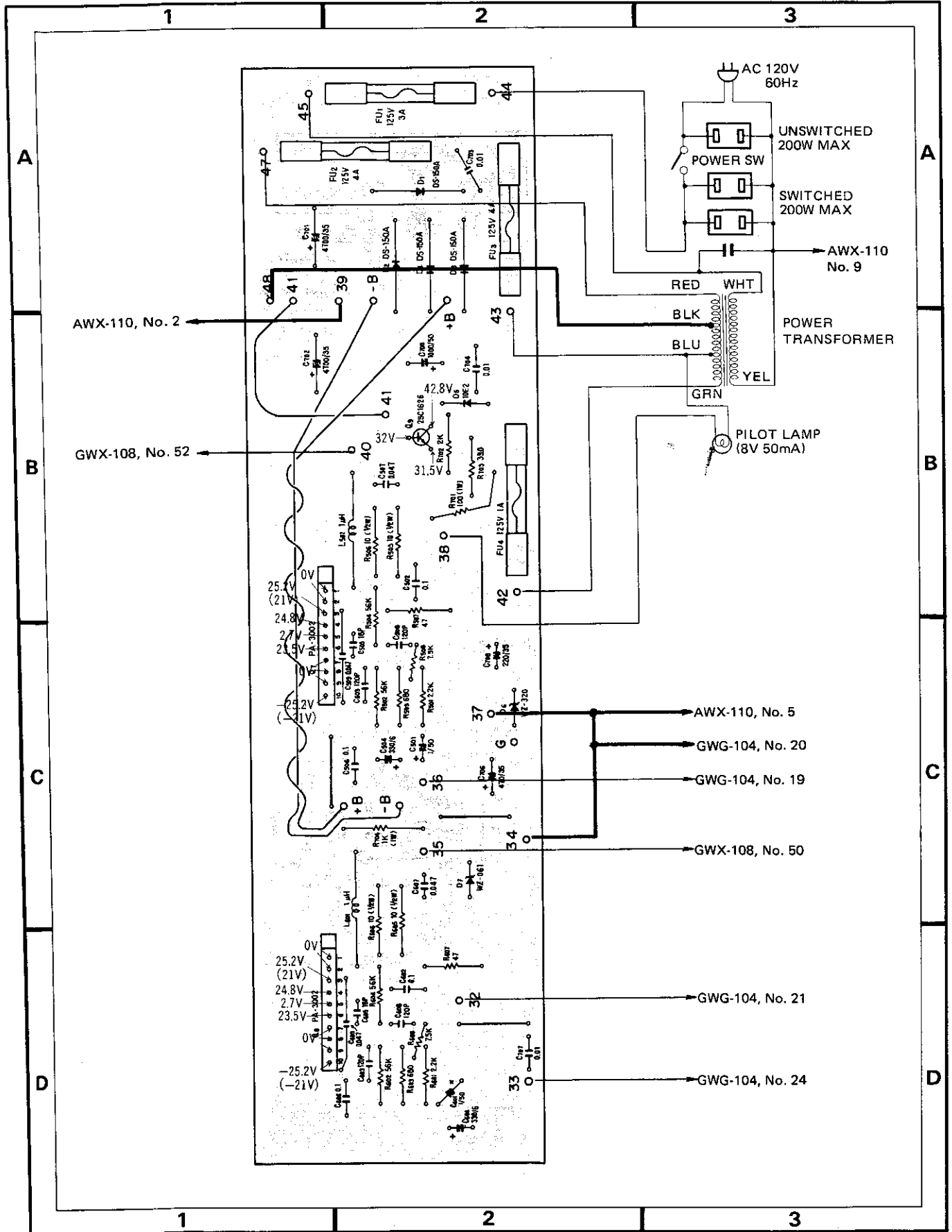
Symbol	Description	Part No.
R501	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R502	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R503	Carbon film 680	RD $\frac{1}{2}$ PS 681J
R504	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R505	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R506	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R507	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R508	Carbon film 7.5k	RD $\frac{1}{2}$ PM 752J
R601	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R602	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R603	Carbon film 680	RD $\frac{1}{2}$ PS 681J
R604	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R605	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R606	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R607	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R608	Carbon film 7.5k	RD $\frac{1}{2}$ PM 752J
R701	Metal oxide 100 1W	RS1P 101J
R702	Carbon film 2k	RD $\frac{1}{2}$ PS 202J
R703	Carbon film 390	RD $\frac{1}{2}$ PS 391J
R704	Metal oxide 1k 1W	RS1P 102J

SEMICONDUCTORS

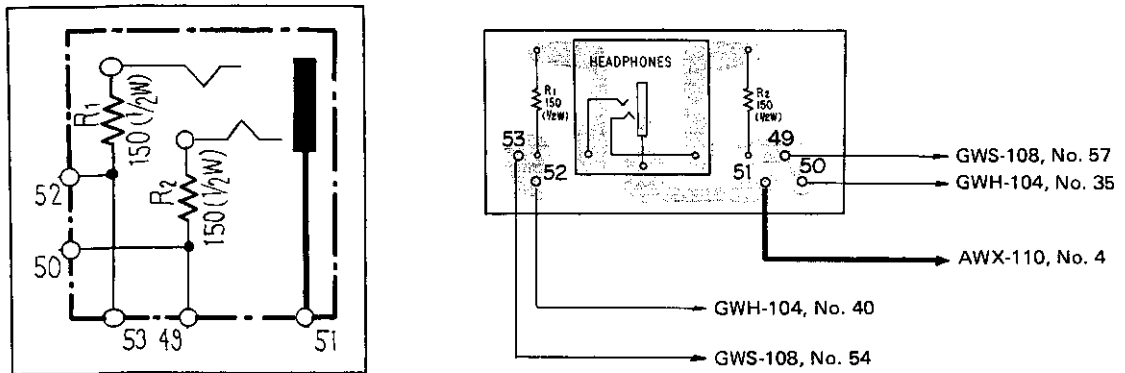
Symbol	Description	Part No.
Q7	IC	PA3002-A
Q8	IC	PA3002-A
Q9	Transistor	2SC1626-O or Y
D1	Diode	DS-150A
D2	Diode	DS-150A
D3	Diode	DS-150A
D4	Diode	DS-150A
D5	Diode	10E2 (1S1886 or S1B01-02)
D6	Zener diode	WZ-320
D7	Zener diode	WZ-061

Power Amplifier Assembly (GWH-104)





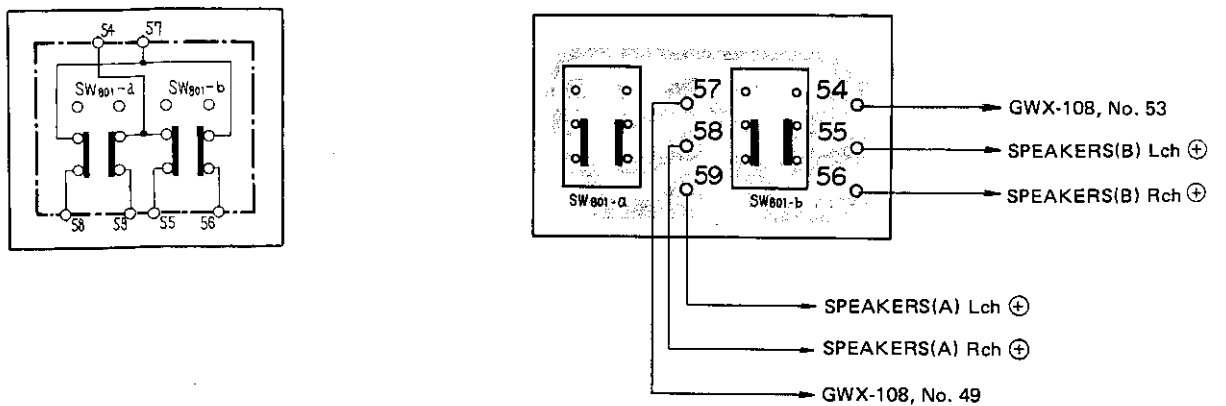
3.5 HEADPHONES ASSEMBLY (GWX-108)



Parts List

Symbol	Description	Part No.
	Phone jack (A)	AKN-009
R1	Carbon film 150 1/2W	RD1/2PS 151J
R2	Carbon film 150 1/2W	RD1/2PS 151J

3.6 SPEAKER SELECTOR ASSEMBLY (GWS-108)



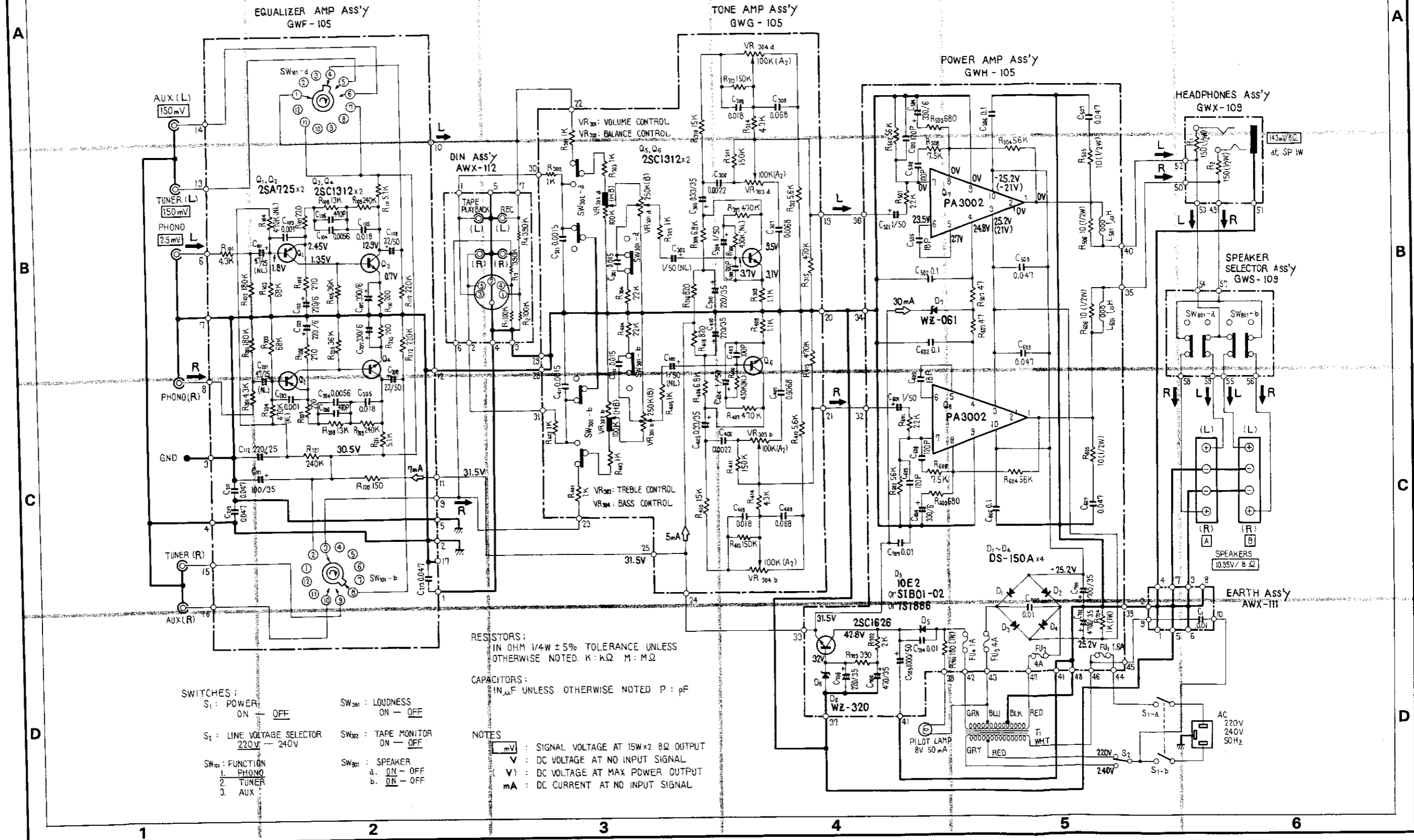
Part List

Symbol	Description	Part No.
SW801	Push switch (SPEAKERS)	ASG-117

4. MODEL SA-5500 II / HG

4.1 SCHEMATIC DIAGRAM

NOTE:
The indicated semiconductors are representative ones only.
Other alternative semiconductors may be used and are listed in the parts list.



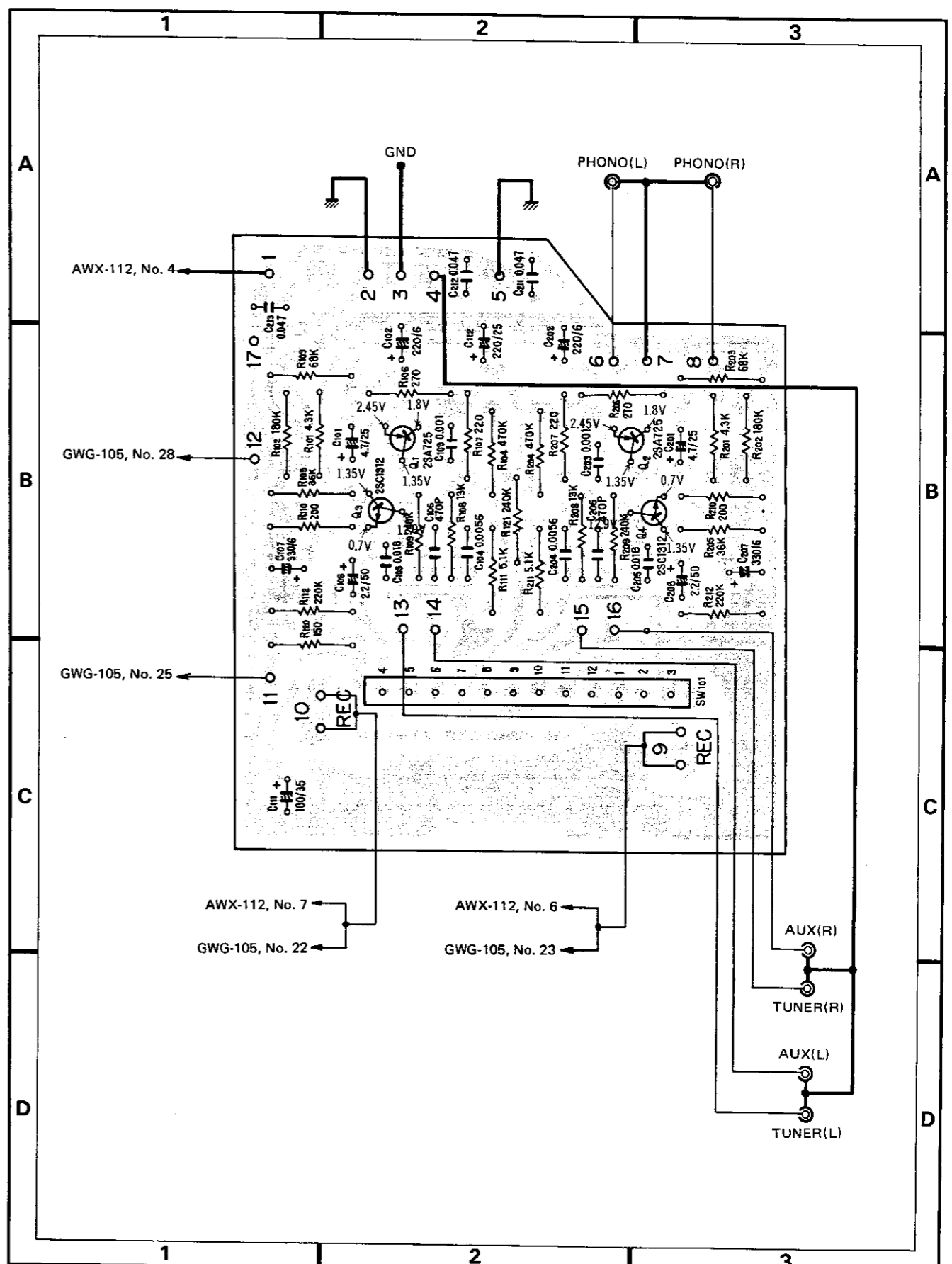
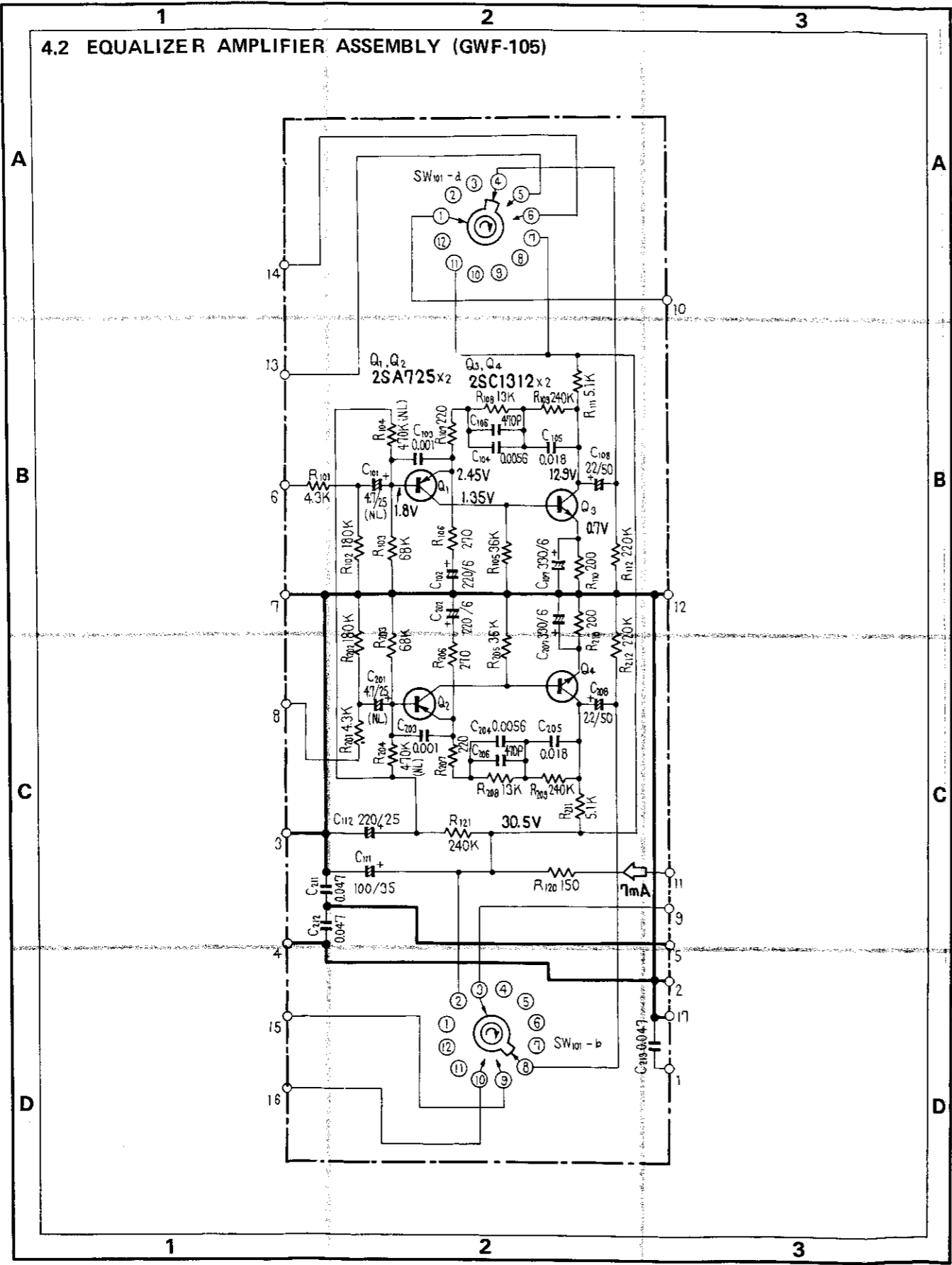
RESISTORS:
IN OHM 1/4-W ±5% TOLERANCE UNLESS OTHERWISE NOTED. K: KΩ M: MΩ

CAPACITORS:
IN μF UNLESS OTHERWISE NOTED P: pF

NOTES:
mV : SIGNAL VOLTAGE AT 15W×2 8Ω OUTPUT
V : DC VOLTAGE AT NO INPUT SIGNAL
V : DC VOLTAGE AT MAX POWER OUTPUT
mA : DC CURRENT AT NO INPUT SIGNAL

SWITCHES;
S₁: POWER ON - OFF
S₂: LINE VOLTAGE SELECTOR 220V - 240V
SW₁₀₁: FUNCTION
1. PHONO
2. TUNER
3. AUX
SW₂₀₁: LOUDNESS ON - OFF
SW₂₀₂: TAPE MONITOR ON - OFF
SW₃₀₁: SPEAKER
a. ON - OFF
b. ON - OFF

SA-5500 II/HG



Equalizer Amplifier Assembly (GWF-105)

SWITCH AND OTHERS

Symbol	Description	Part No.
SW101	Rotary switch (FUNCTION) Switch-held metal Nut 9φ	ASD-064 ANF-487 B71-004

CAPACITORS

Symbol	Description	Part No.
C101	Electrolytic 4.7 25V	CEANL 4R7P 25
C102	Electrolytic 220 6V	CEA 221P 6
C103	Ceramic 1000p 50V	CKDYB 102K 50
C104	Mylar 5600p 50V	CQMA 562J 50
C105	Mylar 0.018 50V	CQMA 183J 50
C106	Ceramic 470p 50V	CKDYB 471K 50
C107	Electrolytic 330 6V	CEA 331P 6
C108	Electrolytic 2.2 50V	CEA 2R2P 50
C111	Electrolytic 100 35V	CEA 101P 35
C112	Electrolytic 220 25V	CEA 221P 25
C201	Electrolytic 4.7 25V	CEANL 4R7P 25
C202	Electrolytic 220 6V	CEA 221P 6
C203	Ceramic 1000p 50V	CKDYB 102K 50
C204	Mylar 5600p 50V	CQMA 562J 50
C205	Mylar 0.018 50V	CQMA 183J 50
C206	Ceramic 470p 50V	CKDYB 471K 50
C207	Electrolytic 330 6V	CEA 331P 6
C208	Electrolytic 2.2 50V	CEA 2R2P 50
C211	Ceramic 0.047 50V	CKDYF 473Z 50
C212	Ceramic 0.047 50V	CKDYF 473Z 50
C213	Ceramic 0.047 50V	CKDYF 473Z 50

RESISTORS

Symbol	Description	Part No.
R101	Carbon film 4.3k	RD%PS 432J
R102	Carbon film 180k	RD%PS 184J
R103	Carbon film 68k	RD%PS 683J
R104	Carbon film 470k	RD%PS 474J NL
R105	Carbon film 36k	RD%PS 363J
R106	Carbon film 270	RD%PS 271J
R107	Carbon film 220	RD%PS 221J
R108	Carbon film 13k	RD%PS 133J
R109	Carbon film 240k	RD%PS 244J
R110	Carbon film 200	RD%PS 201J
R111	Carbon film 5.1k	RD%PS 512J
R112	Carbon film 220k	RD%PS 224J
R120	Carbon film 150	RD%PS 151J
R121	Carbon film 240k	RD%PS 244J
R201	Carbon film 4.3k	RD%PS 432J

Symbol	Description	Part No.
R202	Carbon film 180k	RD%PS 184J
R203	Carbon film 68k	RD%VS 683J
R204	Carbon film 470k	RD%PS 474J NL
R205	Carbon film 36k	RD%PS 363J
R206	Carbon film 270	RD%PS 271J
R207	Carbon film 220	RD%PS 221J
R208	Carbon film 13k	RD%PS 133J
R209	Carbon film 240k	RD%PS 244J
R210	Carbon film 200	RD%PS 201J
R211	Carbon film 5.1k	RD%PS 512J
R212	Carbon film 220k	RD%PS 224J

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SA725-F or G
Q2	Transistor	2SA725-F or G
Q3	Transistor	2SC1312-F or G
Q4	Transistor	2SC1312-F or G

4.3 TONE AMPLIFIER ASSEMBLY (GWG-105)

A

B

C

D

1

2

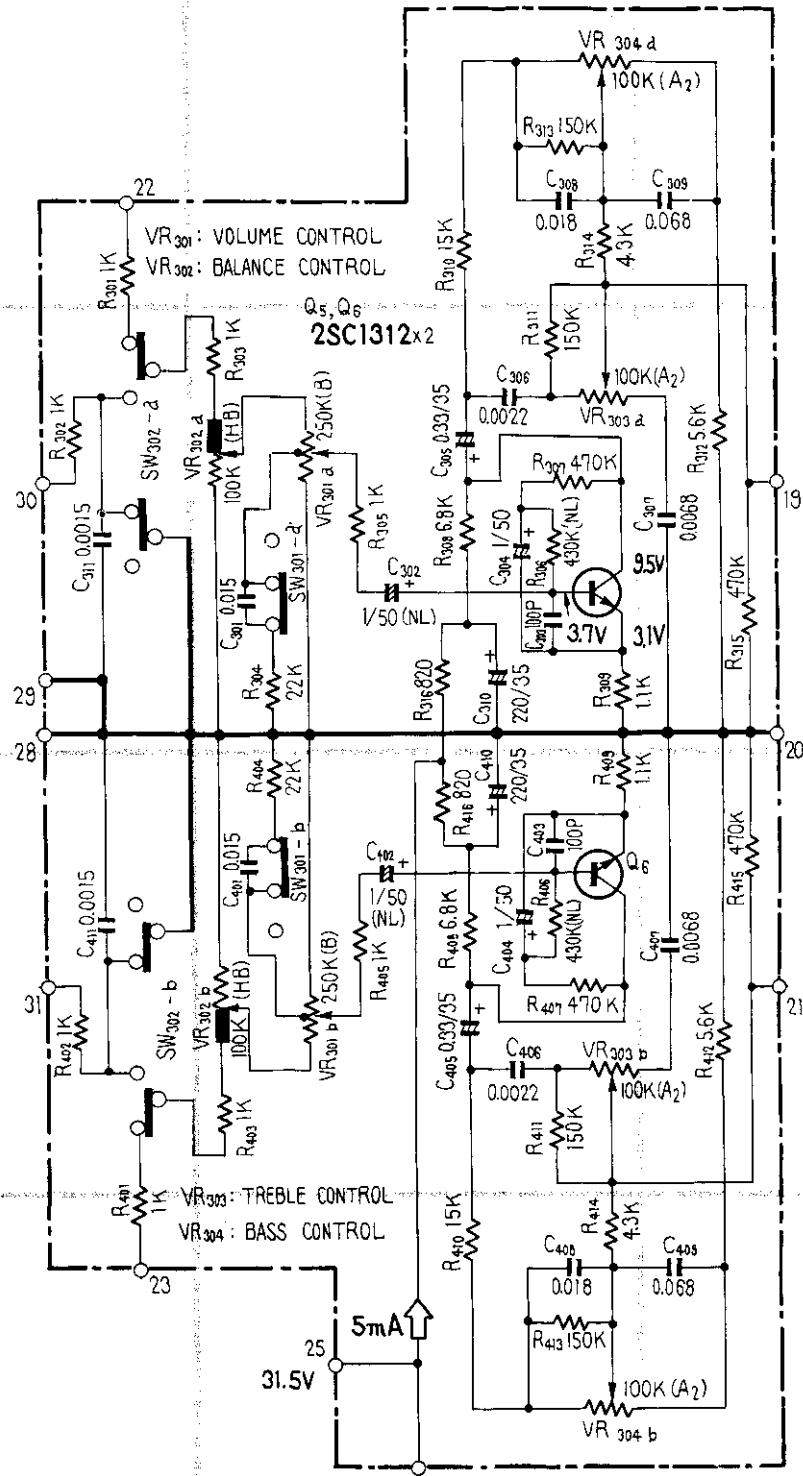
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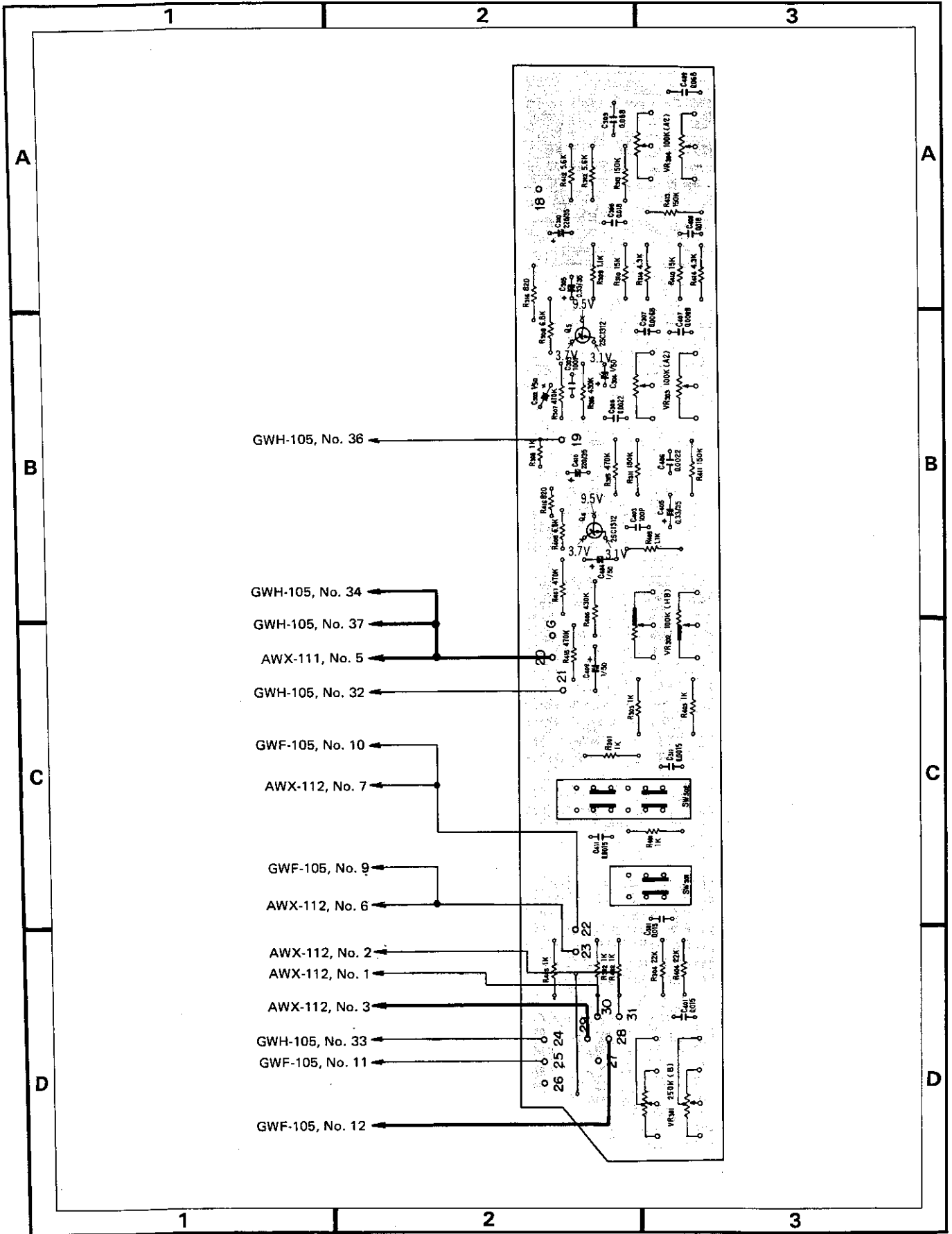
A

B

C

D





Tone Amplifier Assembly (GWG-105)

SWITCHES AND OTHERS

Symbol	Description	Part No.
SW301	Lever switch (LOUDNESS)	ASK-120
SW302	Lever switch (TAPE MONITOR)	ASK-092
	Variable resistor-held metal	ANF-488
	Boss	ABN-021
	Nut 9φ	B71-004
	Shield board	ANH-331

CAPACITORS

Symbol	Description	Part No.
C301	Mylar 0.015 50V	CQMA 153J 50
C302	Electrolytic 1 50V	CEANL 010P 50
C303	Ceramic 100p 50V	CCDSL 101K 50
C304	Electrolytic 1 50V	CEA 010P 50
C305	Electrolytic 0.33 35V	CSZA R33M 35
C306	Mylar 2200p 50V	CQMA 222J 50
C307	Mylar 6800p 50V	CQMA 682J 50
C308	Mylar 0.018 50V	CQMA 183J 50
C309	Mylar 0.068 50V	CQMA 683J 50
C310	Electrolytic 220 35V	CEA 221P 35
C311	Ceramic 1500p 50V	CKDYB 152K 50
C401	Mylar 0.015 50V	CQMA 153J 50
C402	Electrolytic 1 50V	CEANL 010P 50
C403	Ceramic 100p 50V	CCDSL 101K 50
C404	Electrolytic 1 50V	CEA 101P 50
C405	Electrolytic 0.33 35V	CSZA R33M 35
C406	Mylar 2200p 50V	CQMA 222J 50
C407	Mylar 6800p 50V	CQMA 682J 50
C408	Mylar 0.018 50V	CQMA 183J 50
C409	Mylar 0.068 50V	CQMA 683J 50
C410	Electrolytic 220 35V	CEA 221P 35
C411	Ceramic 1500p 50V	CKDYB 152K 50

RESISTORS

Symbol	Description	Part No.
VR301	Variable resistor (VOLUME)250k	ACV-181
VR302	Variable resistor (BALANCE)100k	ACV-126
VR303	Variable resistor (TREBLE)100k	ACV-182
VR304	Variable resistor (BASS)100k	ACV-182
R301	Carbon film 1k	RD%PS 102J
R302	Carbon film 1k	RD%PS 102J
R303	Carbon film 1k	RD%PS 102J
R304	Carbon film 22k	RD%PS 223J
R305	Carbon film 1k	RD%VS 102J

Symbol	Description	Part No.
R306	Carbon film 430k	RD%PS 434J NL
R307	Carbon film 470k	RD%PS 474J
R308	Carbon film 6.8k	RD%PS 682J
R309	Carbon film 1.1k	RD%PS 112J
R310	Carbon film 15k	RD%PS 153J
R311	Carbon film 150k	RD%PS 154J
R312	Carbon film 5.6k	RD%PS 562J
R313	Carbon film 150k	RD%PS 154J
R314	Carbon film 4.3k	RD%PS 432J
R315	Carbon film 470k	RD%PS 474J
R316	Carbon film 820	RD%PS 821J
R401	Carbon film 1k	RD%PS 102J
R402	Carbon film 1k	RD%PS 102J
R403	Carbon film 1k	RD%PS 102J
R404	Carbon film 22k	RD%PS 223J
R405	Carbon film 1k	RD%PS 102J
R406	Carbon film 430k	RD%PS 434J NL
R407	Carbon film 470k	RD%PS 474J
R408	Carbon film 6.8k	RD%VS 682J
R409	Carbon film 1.1k	RD%PS 112J
R410	Carbon film 15k	RD%PS 153J
R411	Carbon film 150k	RD%PS 154J
R412	Carbon film 5.6k	RD%PS 562J
R413	Carbon film 150k	RD%PS 154J
R414	Carbon film 4.3k	RD%PS 432J
R415	Carbon film 470k	RD%PS 474J
R416	Carbon film 820	RD%VS 821J

SEMICONDUCTORS

Symbol	Description	Part No.
Q5	Transistor	2SC1312-F or G
Q6	Transistor	2SC1312-F or G

4.4 POWER AMPLIFIER ASSEMBLY (GWH-105) COILS AND OTHERS

Symbol	Description	Part No.
L507	AF choke coil 1 μ H	ATH-011
L601	AF choke coil 1 μ H	ATH-011
	Heat sink	ANH-332
	Spacer	AEC-339
	Fuse clip	AKR-010
	Screw 3 x 12 (MC)	ABA-143

Symbol	Description	Part No.
R506	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R507	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R508	Carbon film 7.5k	RD $\frac{1}{2}$ PM 752J
R601	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R602	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R603	Carbon film 680	RD $\frac{1}{2}$ PM 681J
R604	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R605	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R606	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R607	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R608	Carbon film 7.5k	RD $\frac{1}{2}$ PS 752J
R701	Metal oxide 180 1W	RS1P 181J
R702	Carbon film 2k	RD $\frac{1}{2}$ PS 202J
R703	Carbon film 39	RD $\frac{1}{2}$ PS 390J
R704	Metal oxide 1k 1W	RS1P 102J

CAPACITORS

Symbol	Description	Part No.
C501	Electrolytic 1 50V	CEA 010P 50
C502	Mylar 0.1 50V	CQMA 104J 50
C503	Ceramic 120p 50V	CCDSL 121K 50
C504	Electrolytic 330 6V	CEA 331P 6
C505	Ceramic 18p 50V	CCDSL 180J 50
C506	Mylar 0.1 50V	CQMA 104J 50
C507	Mylar 0.047 50V	CQMA 473J 50
C508	Ceramic 120p 50V	CCDSL 121K 50
C509	Ceramic 0.047 50V	ACG-009
C601	Electrolytic 1 50V	CEA 010P 50
C602	Mylar 0.1 50V	CQMA 104J 50
C603	Ceramic 120p 50V	CCDSL 121K 50
C604	Electrolytic 330 6V	CEA 331P 6
C605	Ceramic 18p 50V	CCDSL 180J 50
C606	Mylar 0.1 50V	CQMA 104J 50
C607	Mylar 0.047 50V	CQMA 473J 50
C608	Ceramic 120p 50V	CCDSL 121K 50
C609	Ceramic 0.047 50V	ACG-009
C701	Electrolytic 4700 35V	ACH-043
C702	Electrolytic 4700 35V	ACH-043
C703	Ceramic 0.01 150V	ACG-004
C704	Ceramic 0.01 150V	ACG-004
C705	Electrolytic 1000 50V	CEA 102P 50
C706	Electrolytic 470 35V	CEA 471P 35
C707	Ceramic 0.01 50V	CKDYB 103K 50
C708	Electrolytic 220 35V	CEA 221P 35

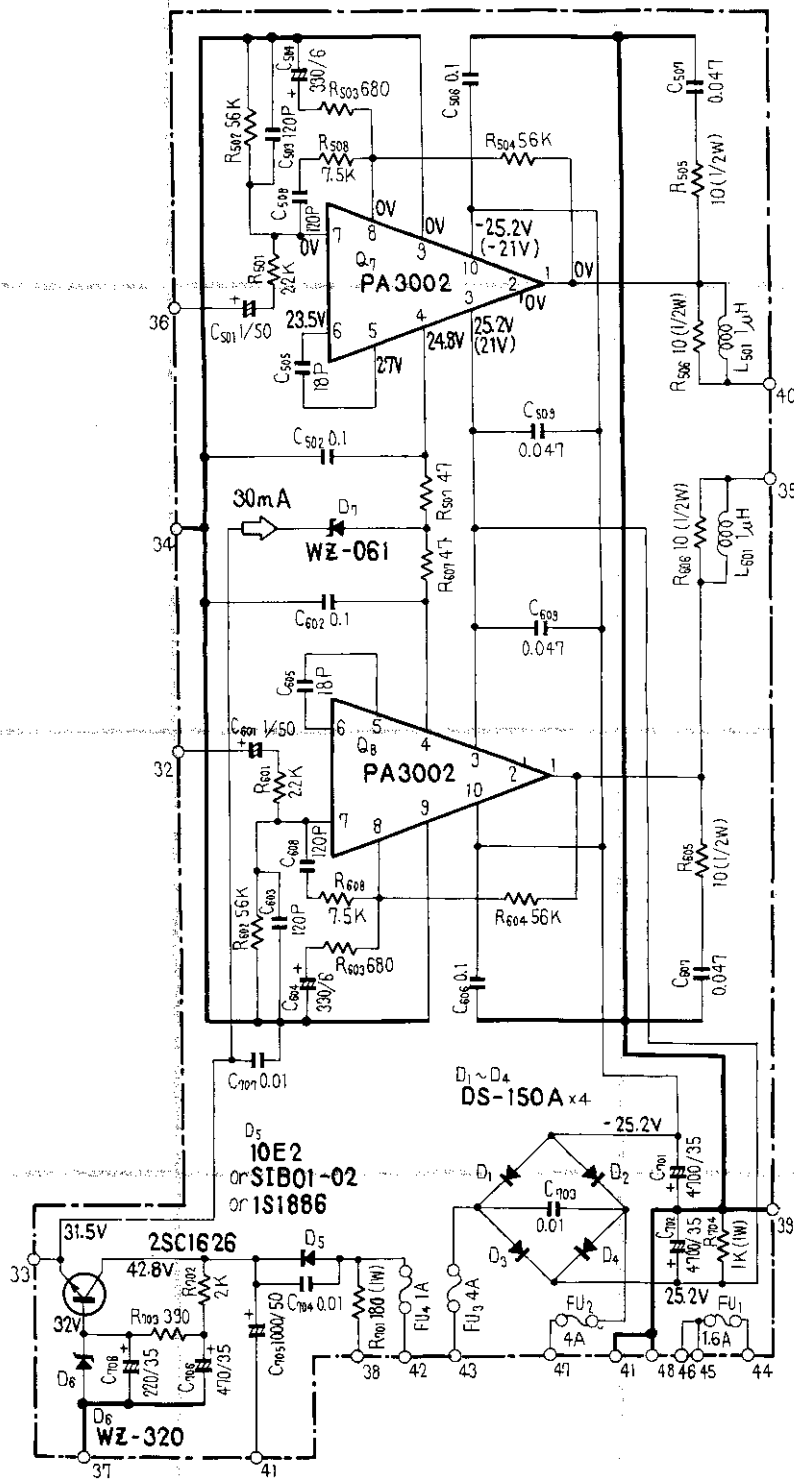
SEMICONDUCTORS

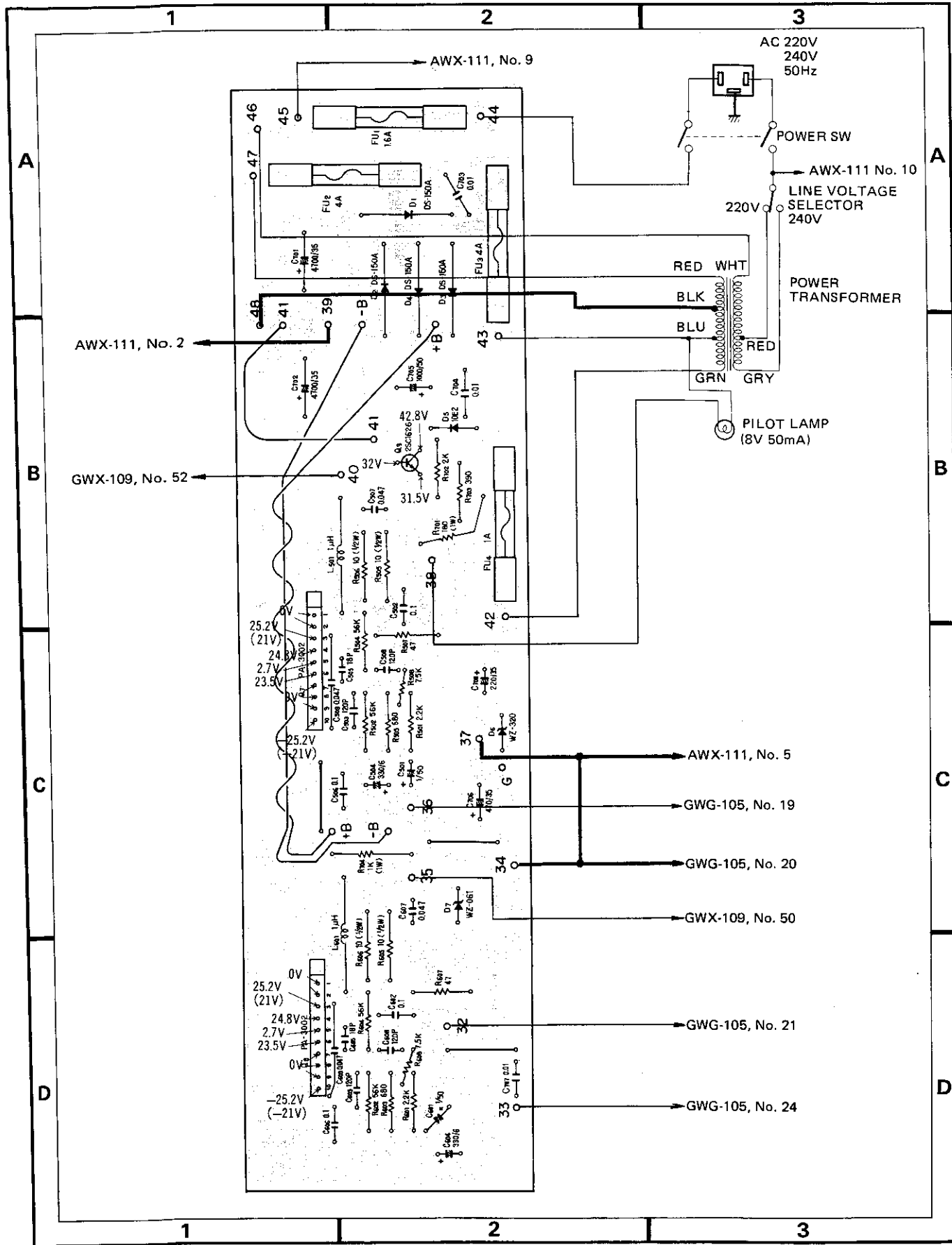
Symbol	Description	Part No.
Q7	IC	PA3002-A
Q8	IC	PA3002-A
Q9	Transistor	2SC1626-O or Y
D1	Diode	DS-150A
D2	Diode	DS-150A
D3	Diode	DS-150A
D4	Diode	DS-150A
D5	Diode	10E2 (1S1886 or S1B01-02)
D6	Zener diode	WZ-320
D7	Zener diode	WZ-061

RESISTORS

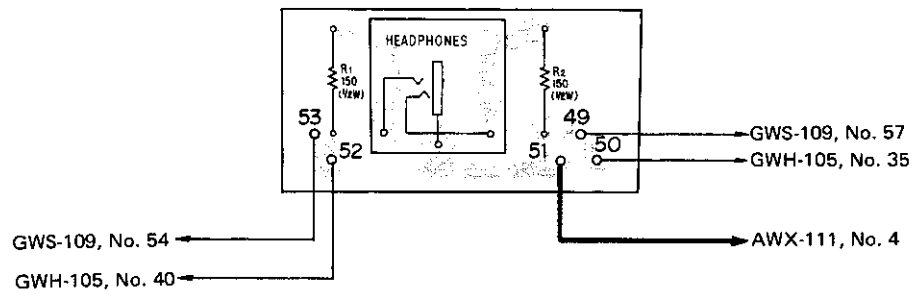
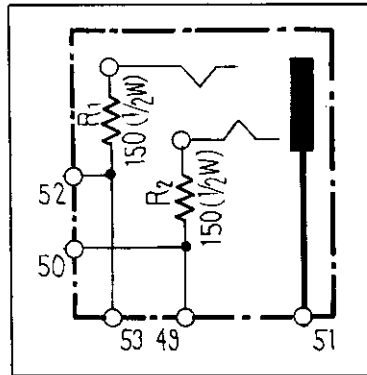
Symbol	Description	Part No.
R501	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R502	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R503	Carbon film 680	RD $\frac{1}{2}$ PS 681J
R504	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R505	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J

Power Amplifier Assembly (GWH-105)





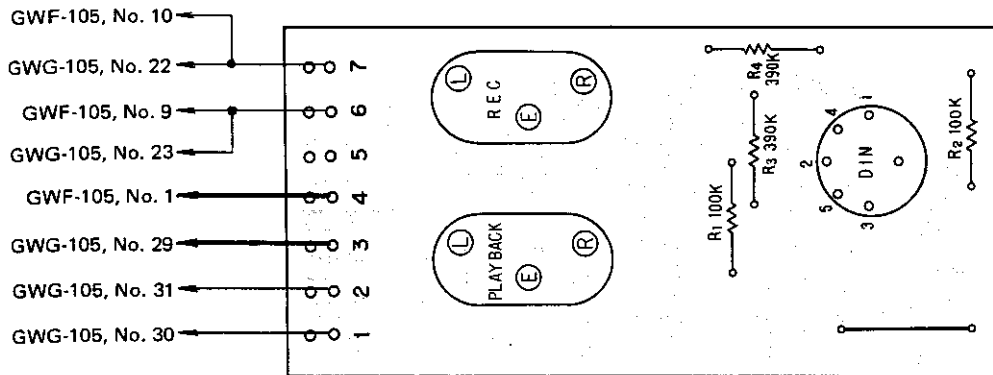
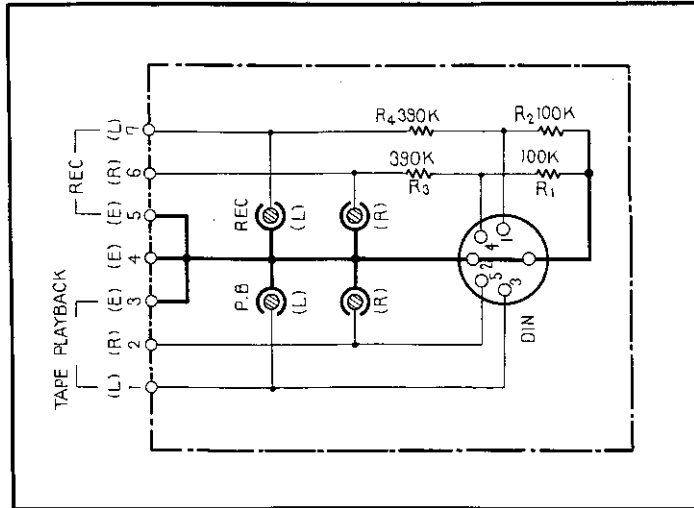
4.5 HEADPHONES ASSEMBLY (GWX-109)



Parts List

Symbol	Description	Part No.
	Phone jack (A)	AKN-009
R1	Carbon film 150 1/2W	RD1/2PS 151J
R2	Carbon film 150 1/2W	RD1/2PS 151J

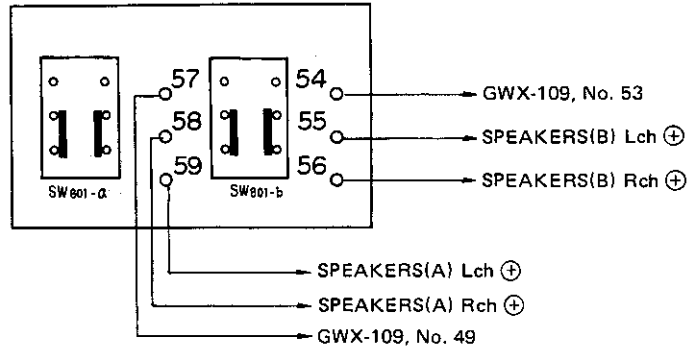
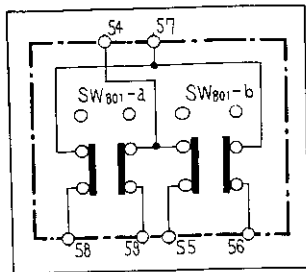
4.6 DIN ASSEMBLY (AWX-112)



Parts List

Symbol	Description	Part No.
R1	Carbon film 100k	RD¼PS 104J
R2	Carbon film 100k	RD¼PS 104J
R3	Carbon film 390k	RD¼PS 394J
R4	Carbon film 390k	RD¼PS 394J
	5P DIN socket	AKP-011
	4P pin jack	AKB-045

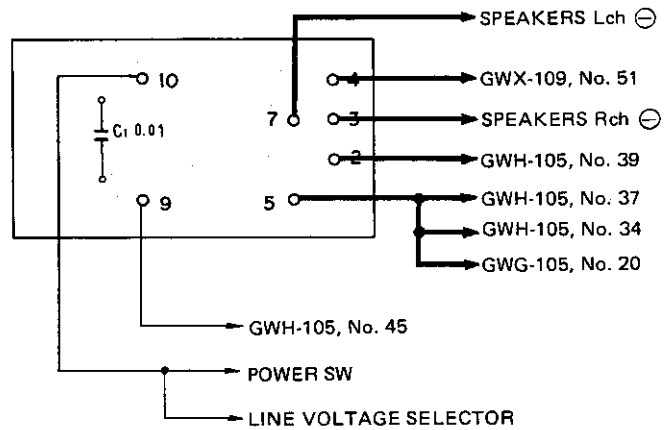
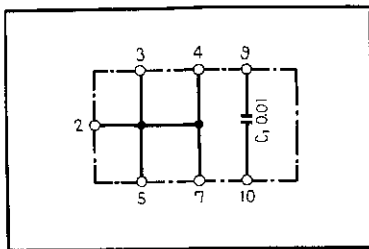
4.7 SPEAKER SELECTOR ASSEMBLY (GWS-109)



Part List

Symbol	Description	Part No.
SW801	Push switch (SPEAKERS)	ASG-117

4.8 EARTH ASSEMBLY (AWX-111)



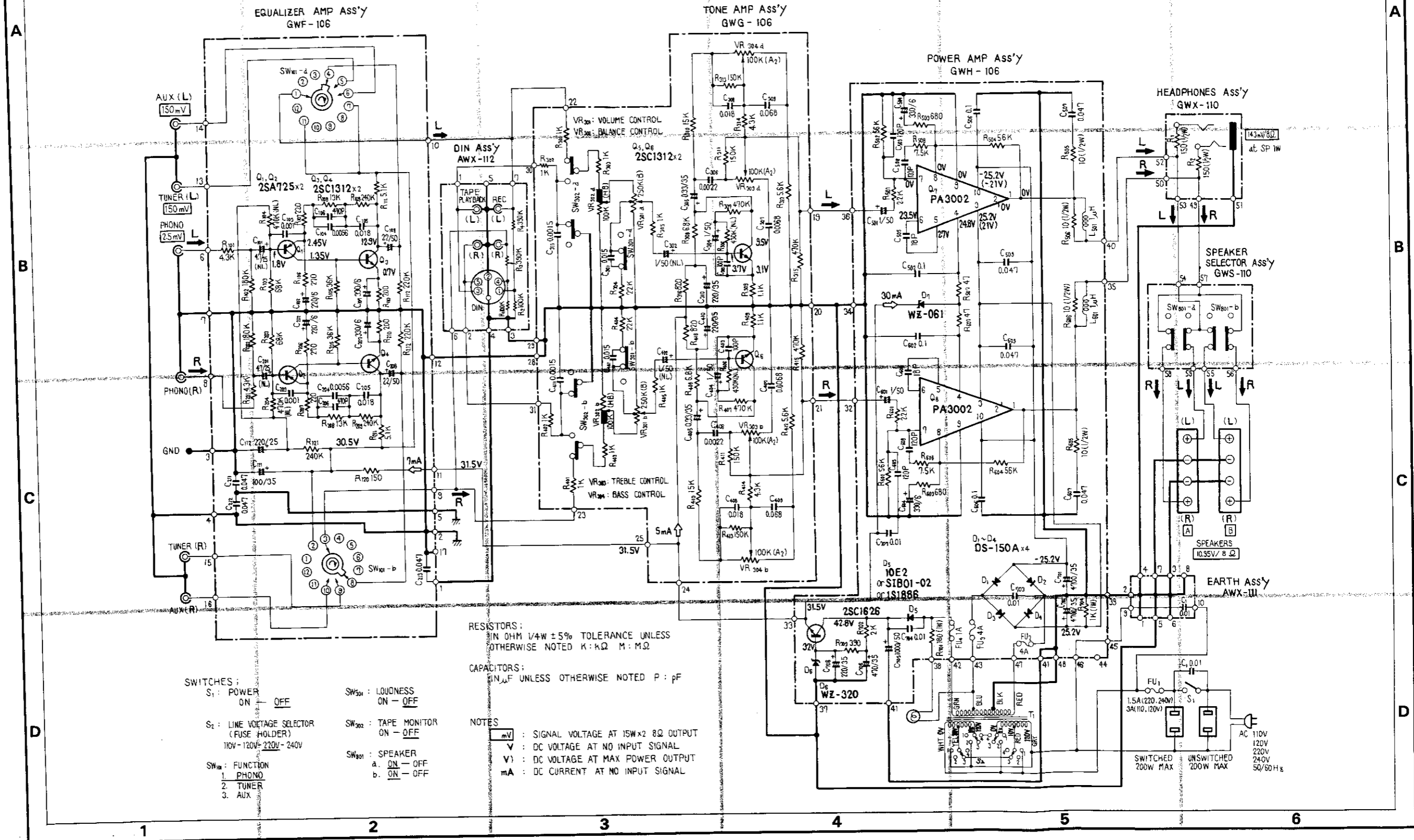
Part List

Symbol	Description	Part No.
	Ceramic 0.01 250V	ACG-001

5. MODEL SA-5500 II/S

5.1 SCHEMATIC DIAGRAM

NOTE:
The indicated semiconductors are representative ones only.
Other alternative semiconductors may be used and are listed in the parts list.



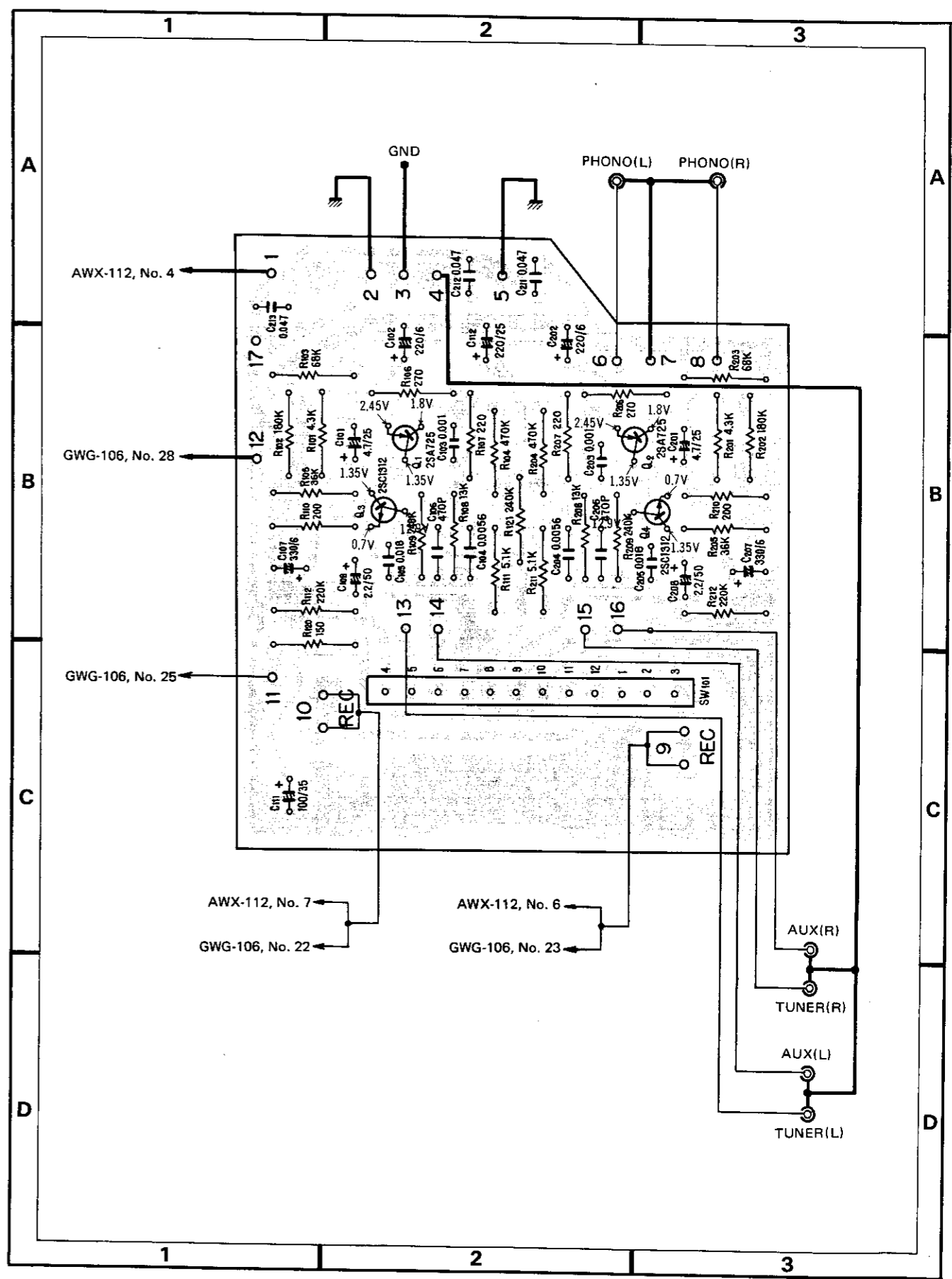
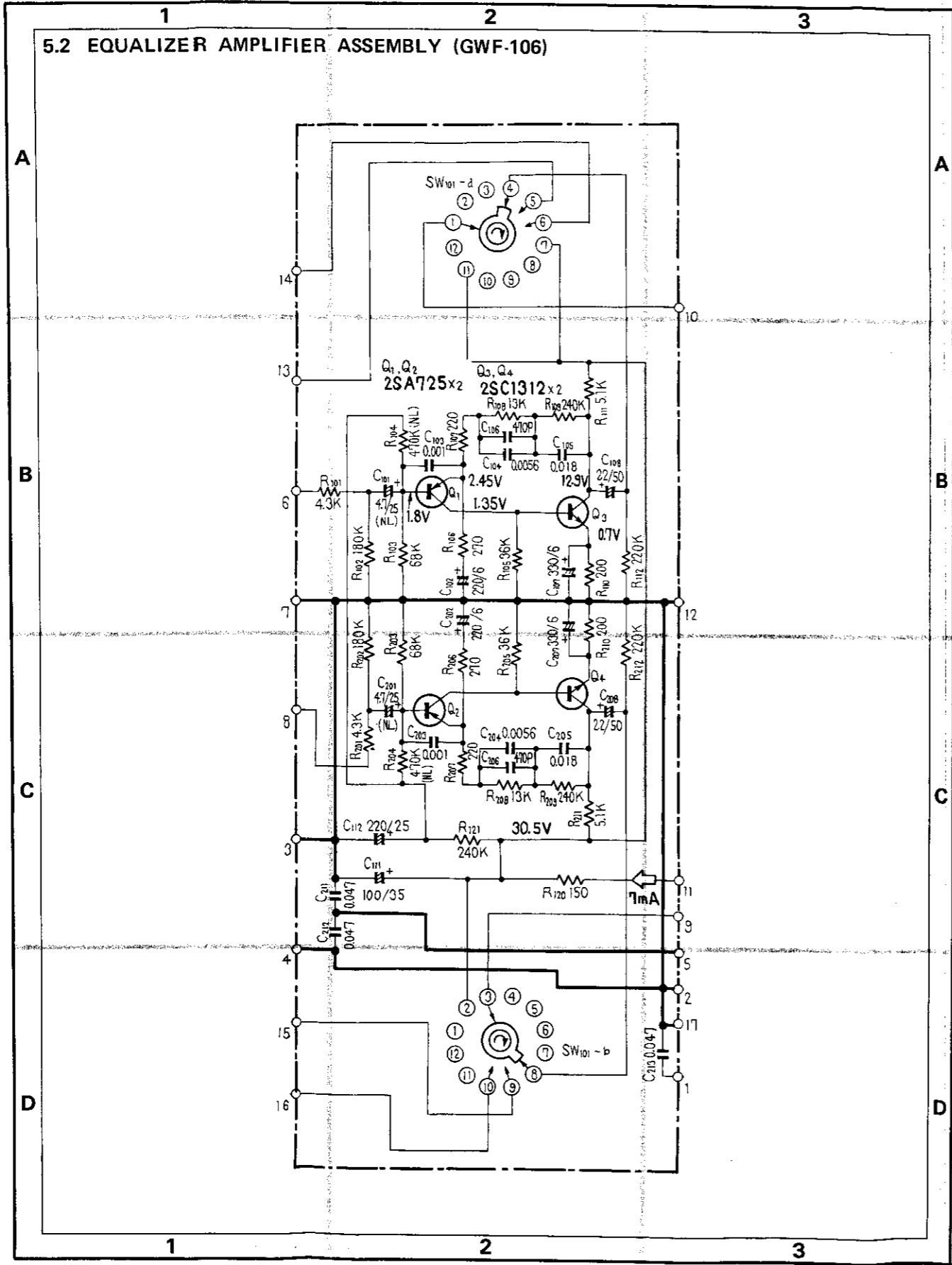
RESISTORS:
IN OHM 1/4W ±5% TOLERANCE UNLESS OTHERWISE NOTED K:KΩ M:MΩ

CAPACITORS:
IN μF UNLESS OTHERWISE NOTED P:pF

- SWITCHES:
- S₁: POWER ON - OFF
 - S₂: LINE VOLTAGE SELECTOR (FUSE HOLDER) 110V - 120V - 220V - 240V
 - SW₁₀₁: FUNCTION 1. PHONO 2. TUNER 3. AUX
 - SW₁₀₂: LOUDNESS ON - OFF
 - SW₁₀₃: TAPE MONITOR ON - OFF
 - SW₁₀₄: SPEAKER a. ON - OFF b. ON - OFF

- NOTES
- mV: SIGNAL VOLTAGE AT 15W x 2 8Ω OUTPUT
 - V: DC VOLTAGE AT NO INPUT SIGNAL
 - V1: DC VOLTAGE AT MAX POWER OUTPUT
 - mA: DC CURRENT AT NO INPUT SIGNAL

SWITCHED 200W MAX
UNSWITCHED 200W MAX
AC 110V 120V 220V 240V 50/60 Hz



Equalizer Amplifier Assembly (GWF-106)

SWITCH AND OTHERS

Symbol	Description	Part No.
SW101	Rotary switch (FUNCTION) Switch-held metal Nut 9φ	ASD-064 ANF-487 B71-004

CAPACITORS

Symbol	Description	Part No.
C101	Electrolytic 4.7 25V	CEANL 4R7P 25
C102	Electrolytic 220 6V	CEA 221P 6
C103	Ceramic 1000p 50V	CKDYB 102K 50
C104	Mylar 5600p 50V	CQMA 562J 50
C105	Mylar 0.018 50V	CQMA 183J 50
C106	Ceramic 470p 50V	CKDYB 471K 50
C107	Electrolytic 330 6V	CEA 331P 6
C108	Electrolytic 2.2 50V	CEA 2R2P 50
C111	Electrolytic 100 35V	CEA 101P 35
C112	Electrolytic 220 25V	CEA 221P 25
C201	Electrolytic 4.7 25V	CEANL 4R7P 25
C202	Electrolytic 220 6V	CEA 221P 6
C203	Ceramic 1000p 50V	CKDYB 102K 50
C204	Mylar 5600p 50V	CQMA 562J 50
C205	Mylar 0.018 50V	CQMA 183J 50
C206	Ceramic 470p 50V	CKDYB 471K 50
C207	Electrolytic 330 5V	CEA 331P 6
C208	Electrolytic 2.2 50V	CEA 2R2P 50
C211	Ceramic 0.047 50V	CKDYF 473Z 50
C212	Ceramic 0.047 50V	CKDYF 473Z 50
C213	Ceramic 0.047 50V	CKDYF 473Z 50

RESISTORS

Symbol	Description	Part No.
R101	Carbon film 4.3k	RD%PS 432J
R102	Carbon film 180k	RD%PS 184J
R103	Carbon film 68k	RD%PS 683J
R104	Carbon film 470k	RD%PS 474J NL
R105	Carbon film 36k	RD%PS 363J
R106	Carbon film 270	RD%PS 271J
R107	Carbon film 220	RD%PS 221J
R108	Carbon film 13k	RD%PS 133J
R109	Carbon film 240k	RD%PS 244J
R110	Carbon film 200	RD%PS 201J
R111	Carbon film 5.1k	RD%PS 512J
R112	Carbon film 220k	RD%PS 224J
R120	Carbon film 150	RD%PS 151J
R121	Carbon film 240k	RD%PS 244J
R201	Carbon film 4.3k	RD%PS 432J

Symbol	Description	Part No.
R202	Carbon film 180k	RD%PS 184J
R203	Carbon film 68k	RD%VS 683J
R204	Carbon film 470k	RD%PS 474J NL
R205	Carbon film 36k	RD%PS 363J
R206	Carbon film 270	RD%PS 271J
R207	Carbon film 220	RD%PS 221J
R208	Carbon film 13k	RD%PS 133J
R209	Carbon film 240k	RD%PS 244J
R210	Carbon film 200	RD%PS 201J
R211	Carbon film 5.1k	RD%PS 512J
R212	Carbon film 220k	RD%PS 224J

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SA725-F or G
Q2	Transistor	2SA725-F or G
Q3	Transistor	2SC1312-F or G
Q4	Transistor	2SC1312-F or G

5.3 TONE AMPLIFIER ASSEMBLY (GWG-106)

A

B

C

D

1

2

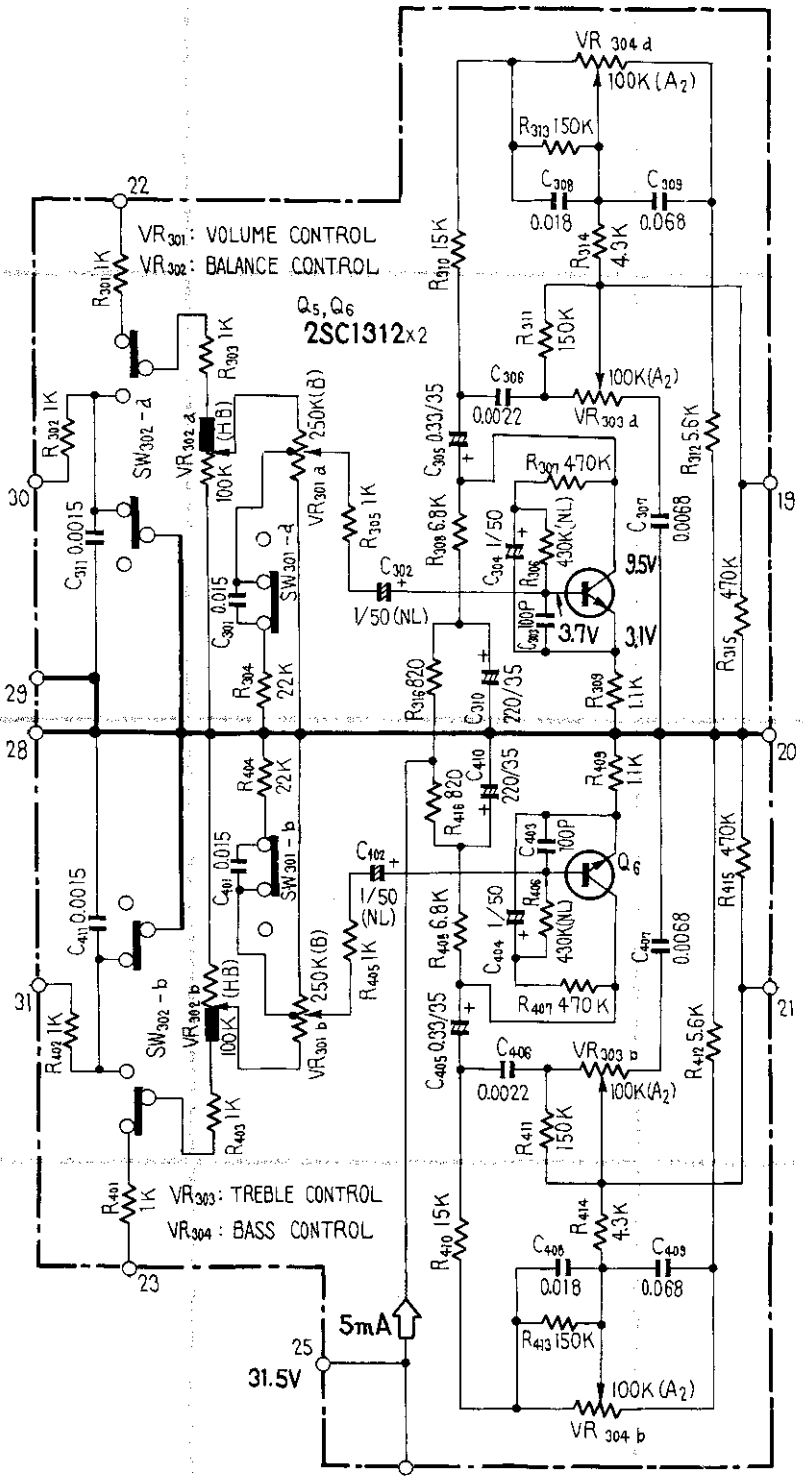
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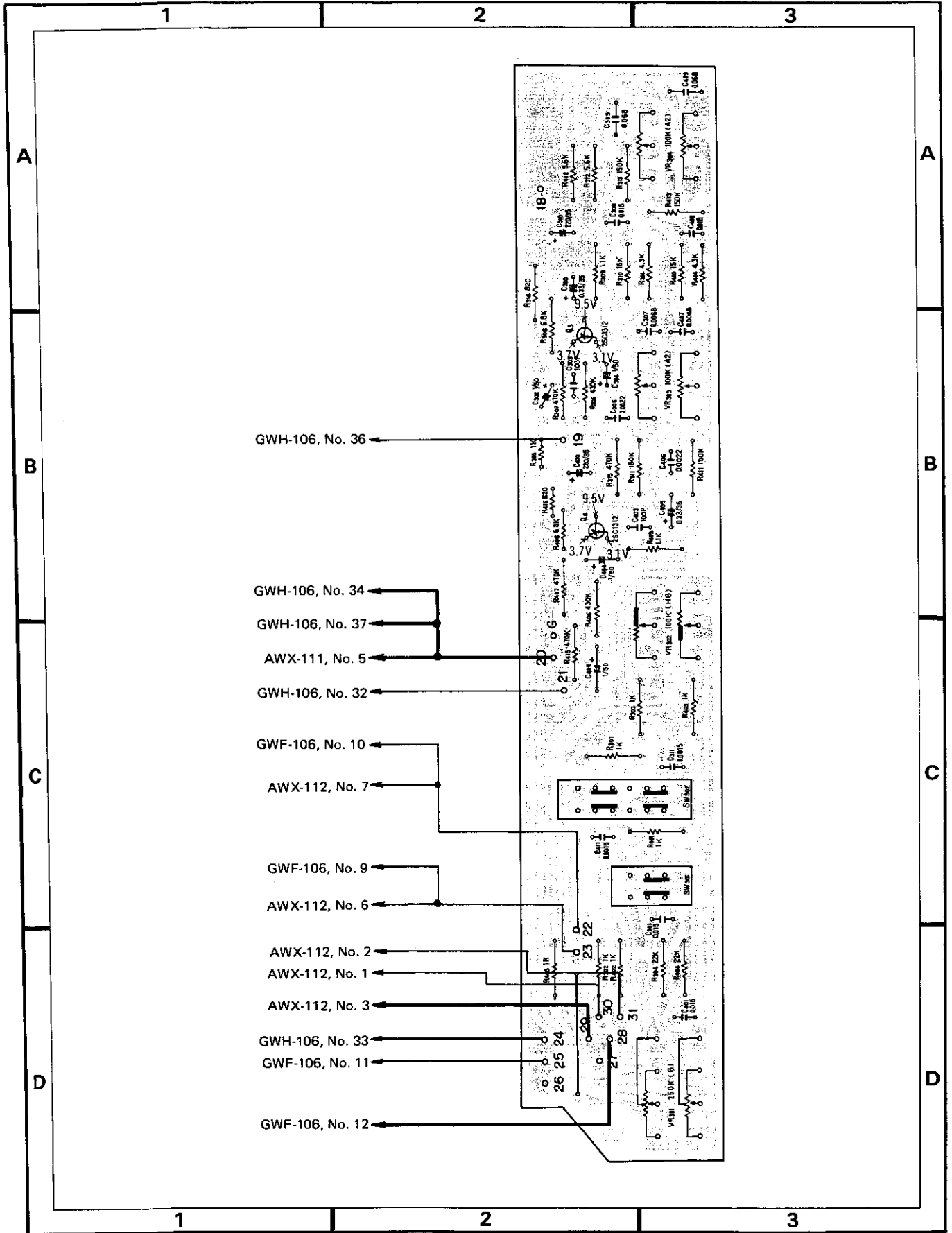
A

B

C

D





Tone Amplifier Assembly (GWG-106)

SWITCHES AND OTHERS

Symbol	Description	Part No.
S301	Lever switch (LOUDNESS)	ASK-120
S302	Lever switch (TAPE MONITOR)	ASK-092
	Variable resistor-held metal	ANF-488
	Boss	ABN-021
	Nut 9φ	B71-004
	Shield board	ANH-331

CAPACITORS

Symbol	Description	Part No.
C301	Mylar 0.015 50V	CQMA 153J 50
C302	Electrolytic 1 50V	CEANL 010P 50
C303	Ceramic 100p 50V	CCDSL 101K 50
C304	Electrolytic 1 50V	CEA 010P 50
C305	Electrolytic 0.33 35V	CSZA R33M 35
C306	Mylar 2200p 50V	CQMA 222J 50
C307	Mylar 6800p 50V	CQMA 682J 50
C308	Mylar 0.018 50V	CQMA 183J 50
C309	Mylar 0.068 50V	CQMA 683J 50
C310	Electrolytic 220 35V	CEA 221P 35
C311	Ceramic 1500p 50V	CKDYB 152K 50
C401	Mylar 0.015 50V	CQMA 153J 50
C402	Electrolytic 1 50V	CEANL 010P 50
C403	Ceramic 100p 50V	CCDSL 101K 50
C404	Electrolytic 1 50V	CEA 010P 50
C405	Electrolytic 0.33 35V	CSZA R33M 35
C406	Mylar 2200p 50V	CQMA 222J 50
C407	Mylar 6800p 50V	CQMA 682J 50
C408	Mylar 0.018 50V	CQMA 183J 50
C409	Mylar 0.068 50V	CQMA 683J 50
C410	Electrolytic 220 35V	CEA 221P 35
C411	Ceramic 1500p 50V	CKDYB 152K 50

RESISTORS

Symbol	Description	Part No.
VR301	Variable resistor (VOLUME)250k	ACV-181
VR302	Variable resistor (BALANCE)100k	ACV-126
VR303	Variable resistor (TREBLE)100k	ACV-182
VR304	Variable resistor (BASS)100k	ACV-182
R301	Carbon film 1k	RD½PS 102J
R302	Carbon film 1k	RD½PS 102J
R303	Carbon film 1k	RD½PS 102J
R304	Carbon film 22k	RD½PS 223J
R305	Carbon film 1k	RD½VS 102J

Symbol	Description	Part No.
R306	Carbon film 430k	RD½PS 434J NL
R307	Carbon film 470k	RD½PS 474J
R308	Carbon film 6.8k	RD½PS 682J
R309	Carbon film 1.1k	RD½PS 112J
R310	Carbon film 15k	RD½PS 153J
R311	Carbon film 150k	RD½PS 154J
R312	Carbon film 5.6k	RD½PS 562J
R313	Carbon film 150k	RD½PS 154J
R314	Carbon film 4.3k	RD½PS 432J
R315	Carbon film 470k	RD½PS 474J
R316	Carbon film 820	RD½PS 821J
R401	Carbon film 1k	RD½PS 102J
R402	Carbon film 1k	RD½PS 102J
R403	Carbon film 1k	RD½PS 102J
R404	Carbon film 22k	RD½PS 223J
R405	Carbon film 1k	RD½PS 102J
R406	Carbon film 430k	RD½PS 434J NL
R407	Carbon film 470k	RD½PS 474J
R408	Carbon film 6.8k	RD½VS 682J
R409	Carbon film 1.1k	RD½PS 112J
R410	Carbon film 15k	RD½PS 153J
R411	Carbon film 150k	RD½PS 154J
R412	Carbon film 5.6k	RD½PS 562J
R413	Carbon film 150k	RD½PS 154J
R414	Carbon film 4.3k	RD½PS 432J
R415	Carbon film 470k	RD½PS 474J
R416	Carbon film 820	RD½VS 821J

SEMICONDUCTORS

Symbol	Description	Part No.
Q5	Transistor	2SC1312-F or G
Q6	Transistor	2SC1312-F or G

5.4 POWER AMPLIFIER ASSEMBLY (GWH-106)

COILS AND OTHERS

Symbol	Description	Part No.
L501	AF choke coil 1 μ H	ATH-011
L601	AF choke coil 1 μ H	ATH-011
	Heat sink	ANH-332
	Spacer	AEC-339
	Fuse clip	AKR-013
	Screw 3 x 12 (MC)	ABA-143

Symbol	Description	Part No.
R506	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R507	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R508	Carbon film 7.5k	RD $\frac{1}{2}$ PM 752J
R601	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R602	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R603	Carbon film 680	RD $\frac{1}{2}$ PS 681J
R604	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R605	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R606	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J
R607	Carbon film 47	RD $\frac{1}{2}$ PS 470J
R608	Carbon film 7.5k	RD $\frac{1}{2}$ PM 752J
R701	Metal oxide 180 1W	RS1P 181J
R702	Carbon film 2k	RD $\frac{1}{2}$ PS 202J
R703	Carbon film 39	RD $\frac{1}{2}$ PS 390J
R704	Metal oxide 1k 1W	RS1P 102J

CAPACITORS

Symbol	Description	Part No.
C501	Electrolytic 1 50V	CEA 010P 50
C502	Mylar 0.1 50V	CQMA 104J 50
C503	Ceramic 120p 50V	CCDSL 121K 50
C504	Electrolytic 330 6V	CEA 331P 6
C505	Ceramic 18p 50V	CCDSL 180J 50
C506	Mylar 0.1 50V	CQMA 104J 50
C507	Mylar 0.047 50V	CQMA 473J 50
C508	Ceramic 120p 50V	CCDSL 121K 50
C509	Ceramic 0.047 50V	ACG-009
C601	Electrolytic 1 50V	CEA 010P 50
C602	Mylar 0.1 50V	CQMA 104J 50
C603	Ceramic 120p 50V	CCDSL 121K 50
C604	Electrolytic 330 6V	CEA 331P 6
C605	Ceramic 18p 50V	CCDSL 180J 50
C606	Mylar 0.1 50V	CQMA 104J 50
C607	Mylar 0.047 50V	CQMA 473J 50
C608	Ceramic 120p 50V	CCDSL 121K 50
C609	Ceramic 0.047 50V	ACG-009
C701	Electrolytic 4700 35V	ACH-043
C702	Electrolytic 4700 35V	ACH-043
C703	Ceramic 0.01 150V	ACG-004
C704	Ceramic 0.01 150V	ACG-004
C705	Electrolytic 1000 50V	CEA 102P 50
C706	Electrolytic 470 35V	CEA 471P 35
C707	Ceramic 0.01 50V	CKDYB 103K 50
C708	Electrolytic 220 35V	CEA 221P 35

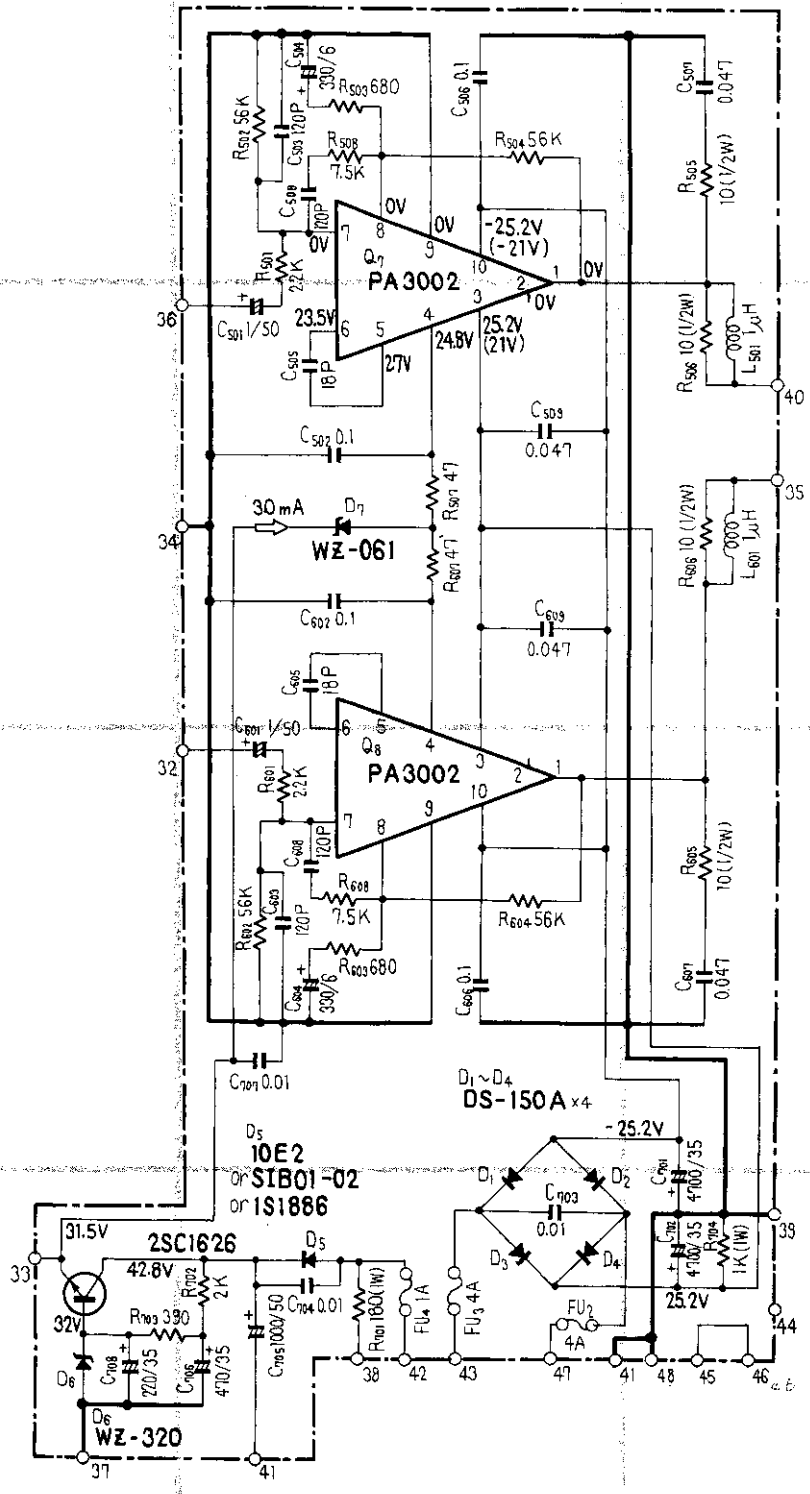
SEMICONDUCTORS

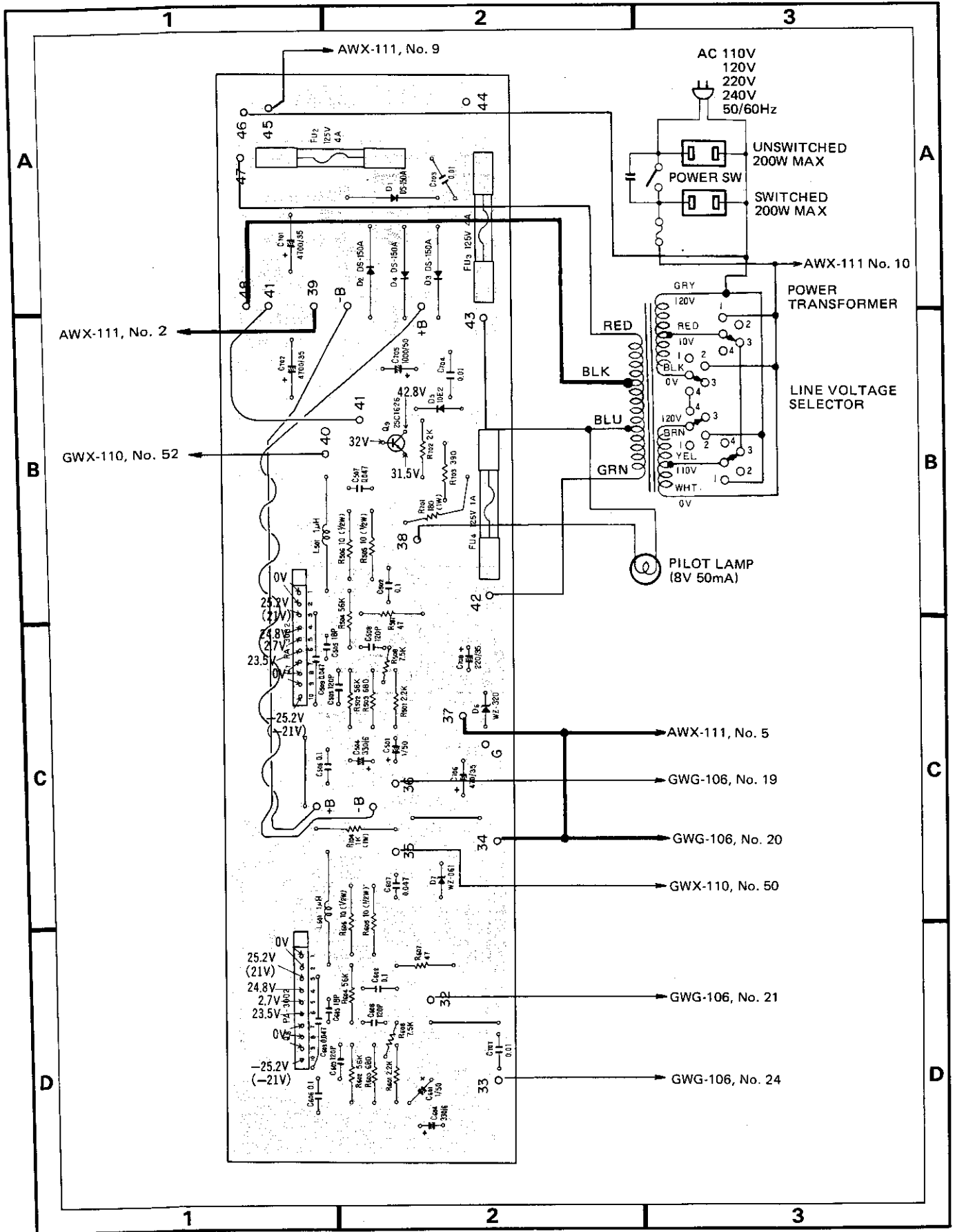
Symbol	Description	Part No.
Q7	IC	PA3002-A
Q8	IC	PA3002-A
Q9	Transistor	2SC1626-O or Y
D1	Diode	DS-150A
D2	Diode	DS-150A
D3	Diode	DS-150A
D4	Diode	DS-150A
D5	Diode	10E2 (1S1886 or SIB01-02)
D6	Zener diode	WZ-320
D7	Zener diode	WZ-061

RESISTORS

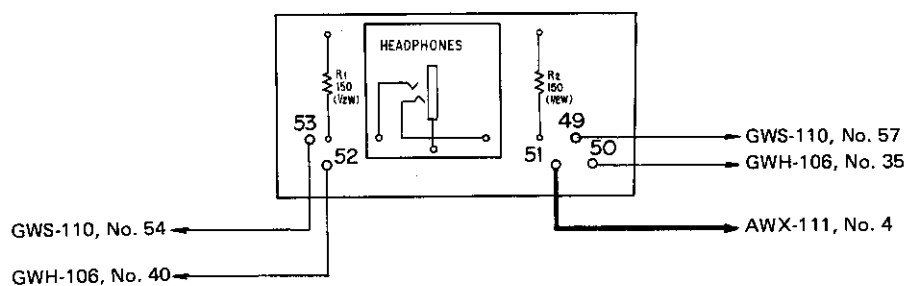
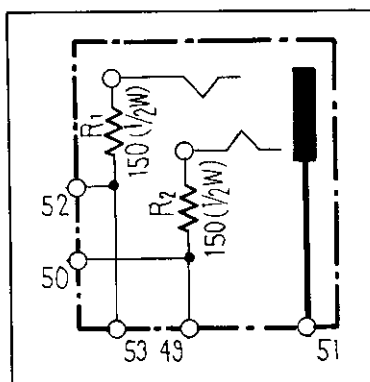
Symbol	Description	Part No.
R501	Carbon film 2.2k	RD $\frac{1}{2}$ PS 222J
R502	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R503	Carbon film 680	RD $\frac{1}{2}$ PS 681J
R504	Carbon film 56k	RD $\frac{1}{2}$ PS 563J
R505	Carbon film 10 $\frac{1}{2}$ W	RD $\frac{1}{2}$ PS 100J

Power Amplifier Assembly (GWH-106)





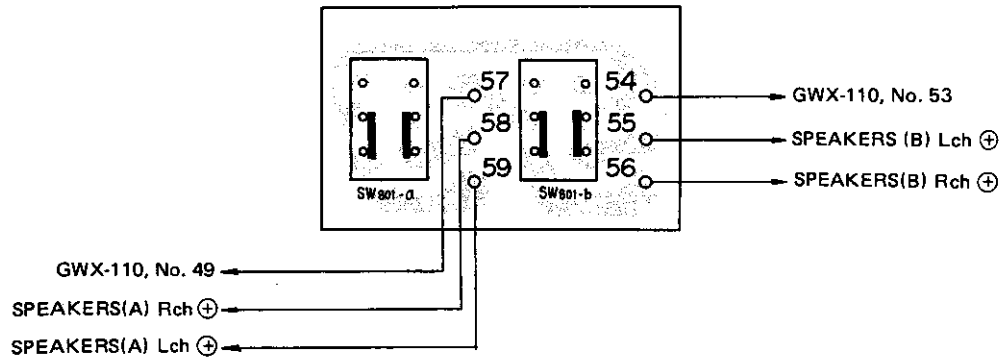
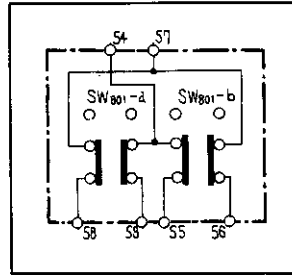
5.5 HEADPHONES ASSEMBLY (GWX-110)



Part List

Symbol	Description	Part No.
	Phone jack (A)	AKN-009
R1	Carbon film 150 1/2W	RD1/2PS 151J
R2	Carbon film 150 1/2W	RD1/2PS 151J

5.6 SPEAKER SELECTOR ASSEMBLY (GWS-110)



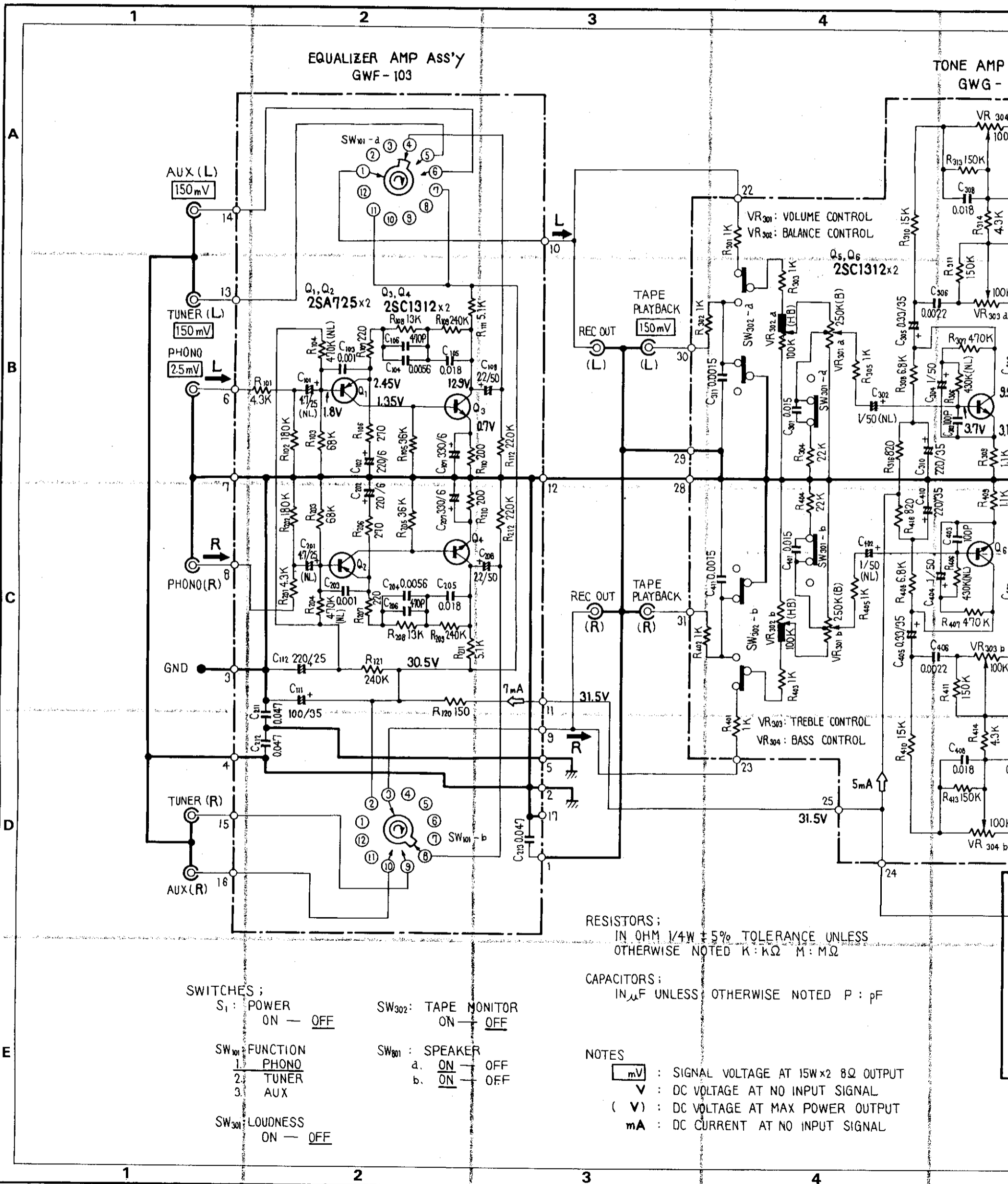
Part List

Symbol	Description	Part No.
SW801	Push switch (SPEAKERS)	ASG-117

STEREO AMPLIFIER

SA-5500II

KU

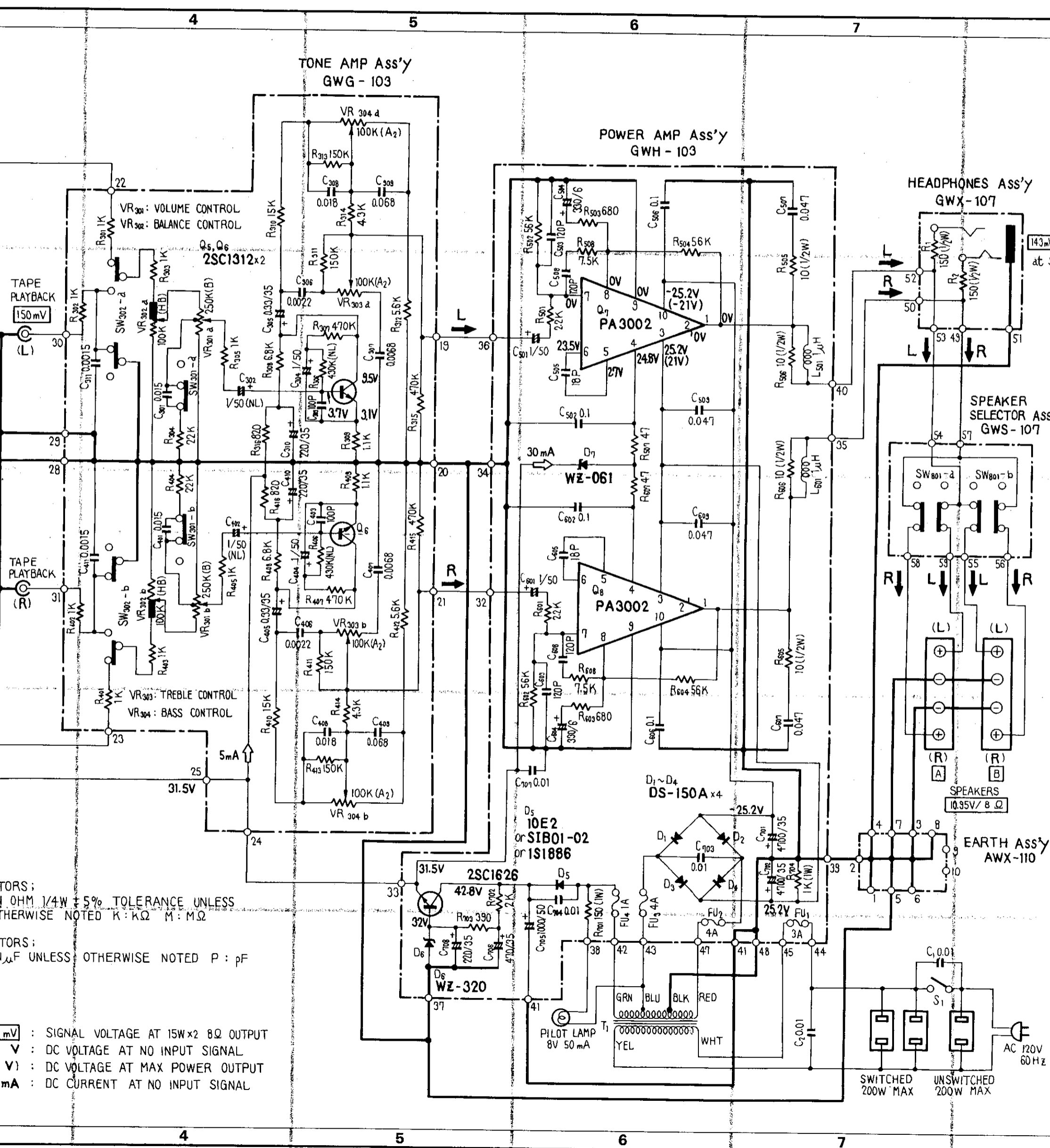


RESISTORS;
IN OHM 1/4W ± 5% TOLERANCE UNLESS
OTHERWISE NOTED K: KΩ M: MΩ

CAPACITORS;
IN μF UNLESS OTHERWISE NOTED P: pF

- SWITCHES ;
- S₁ : POWER ON — OFF
 - SW₁₀₁ FUNCTION
 - 1. PHONO
 - 2. TUNER
 - 3. AUX
 - SW₃₀₁ LOUDNESS ON — OFF
 - SW₃₀₂ : TAPE MONITOR ON — OFF
 - SW₃₀₁ : SPEAKER
 - a. ON — OFF
 - b. ON — OFF

- NOTES
- mV : SIGNAL VOLTAGE AT 15Wx2 8Ω OUTPUT
 - V : DC VOLTAGE AT NO INPUT SIGNAL
 - (V) : DC VOLTAGE AT MAX POWER OUTPUT
 - mA : DC CURRENT AT NO INPUT SIGNAL



mV : SIGNAL VOLTAGE AT 15W x 2 8Ω OUTPUT
 V : DC VOLTAGE AT NO INPUT SIGNAL
 V : DC VOLTAGE AT MAX POWER OUTPUT
 mA : DC CURRENT AT NO INPUT SIGNAL

RESISTORS:
 1 OHM 1/4W ± 5% TOLERANCE UNLESS
 OTHERWISE NOTED K : KΩ M : MΩ

CAPACITORS:
 μF UNLESS OTHERWISE NOTED P : pF

143m at

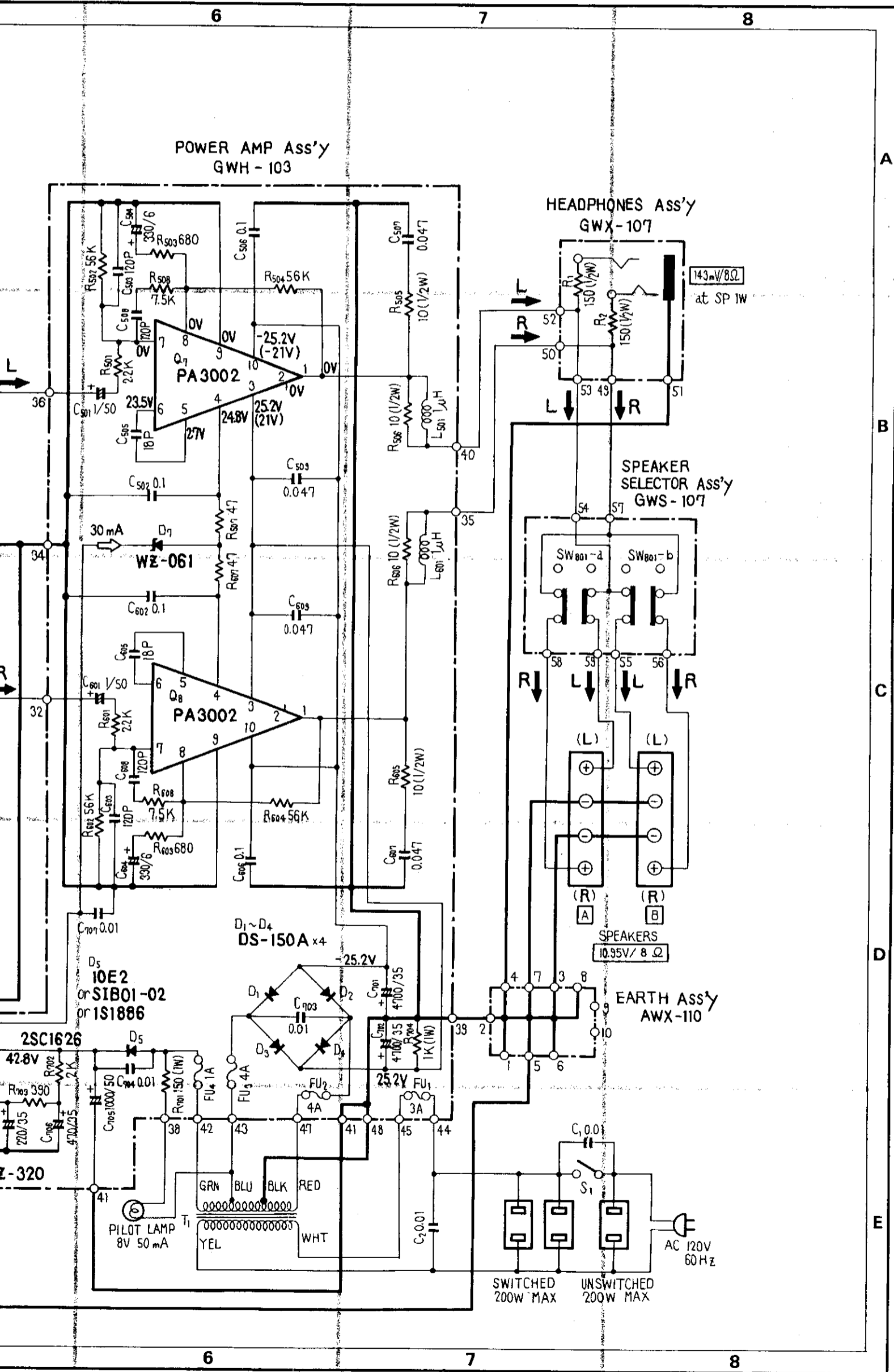
SPEAKER SELECTOR ASS'Y GWS-107

SPEAKERS 10.35V/8Ω

EARTH Ass'y AWX-110

SWITCHED 200W MAX UNSWITCHED 200W MAX

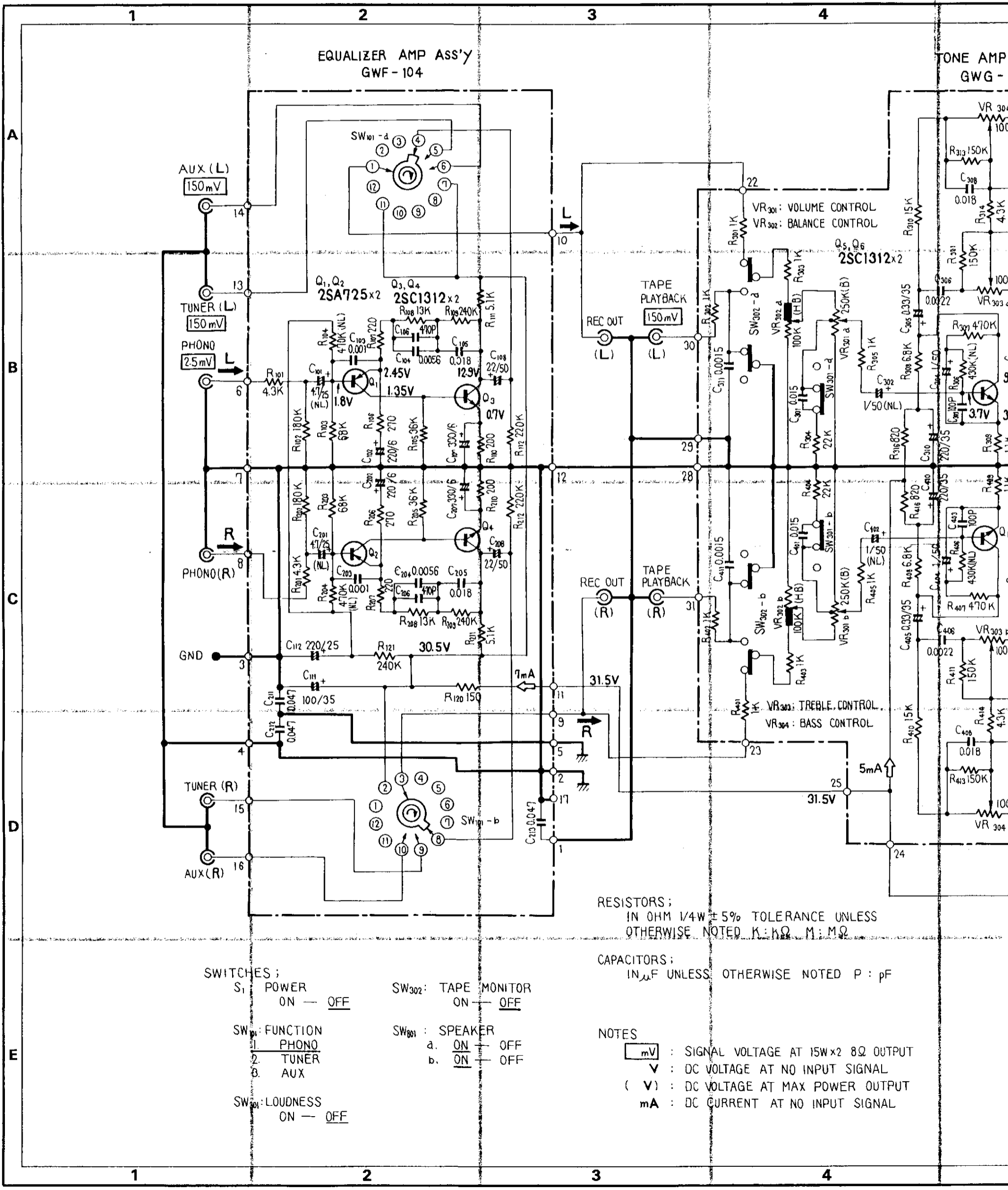
AC 120V 60Hz



STEREO AMPLIFIER

SA-5500II

KC

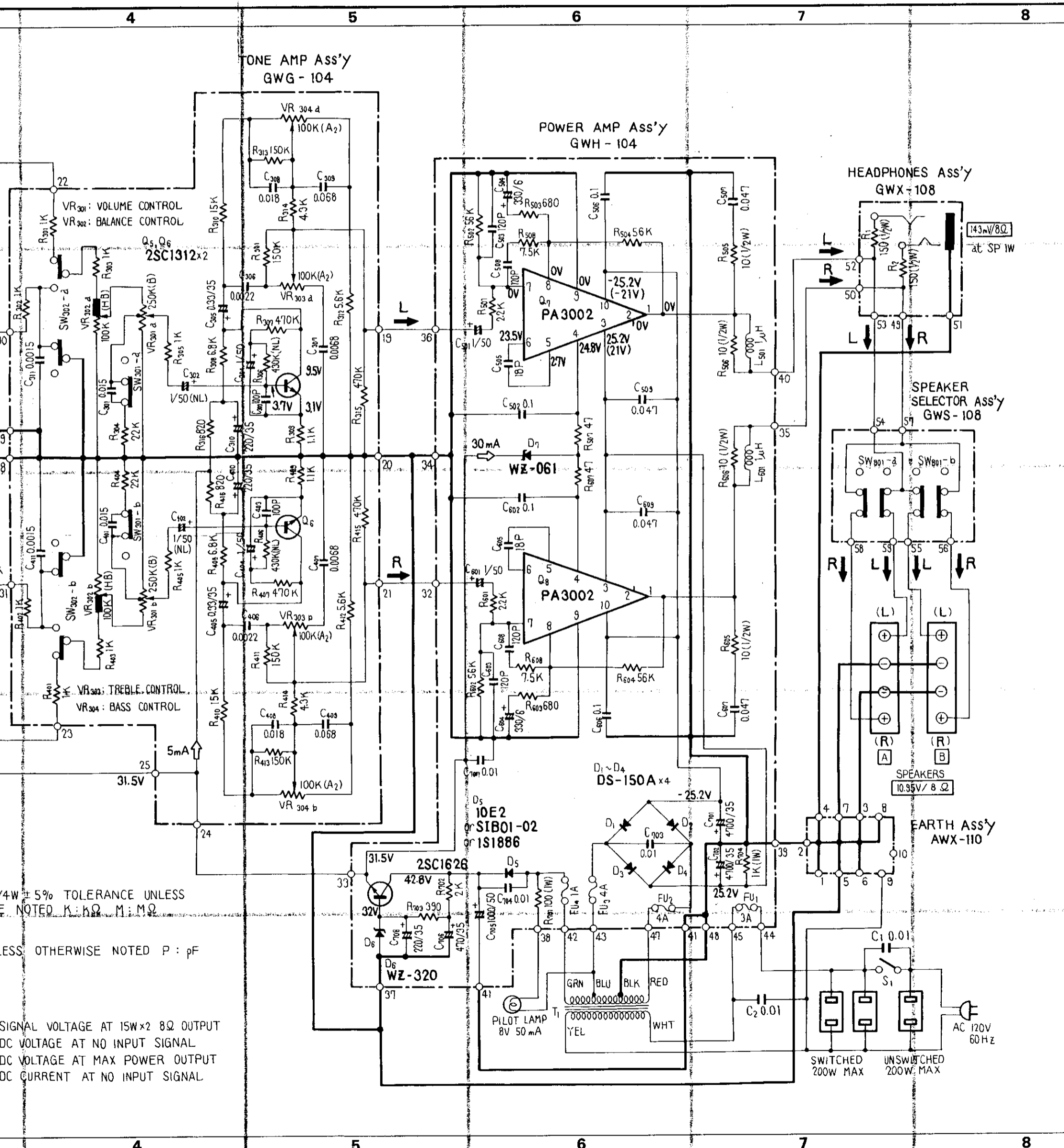


RESISTORS:
IN OHM 1/4W ± 5% TOLERANCE UNLESS
OTHERWISE NOTED K: kΩ M: MΩ

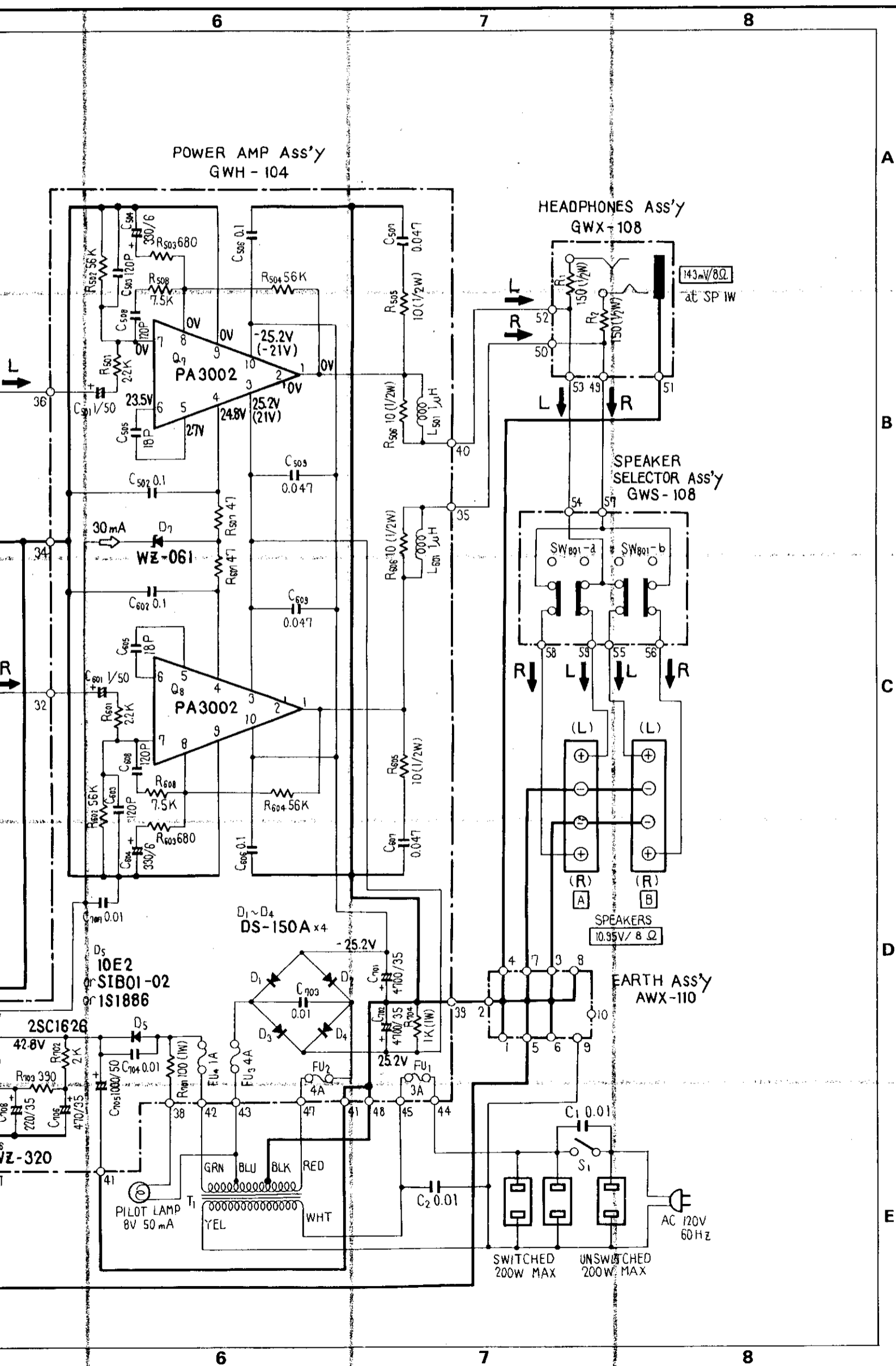
CAPACITORS:
IN μF UNLESS OTHERWISE NOTED P: pF

- SWITCHES:
- S₁: POWER ON — OFF
 - SW₁₀₁: FUNCTION
 - 1. PHONO
 - 2. TUNER
 - B. AUX
 - SW₃₀₁: LOUDNESS ON — OFF
 - SW₃₀₂: TAPE MONITOR ON — OFF
 - SW₃₀₁: SPEAKER
 - a. ON — OFF
 - b. ON — OFF

- NOTES
- mV : SIGNAL VOLTAGE AT 15W x 2 8Ω OUTPUT
 - V : DC VOLTAGE AT NO INPUT SIGNAL
 - (V) : DC VOLTAGE AT MAX POWER OUTPUT
 - mA : DC CURRENT AT NO INPUT SIGNAL



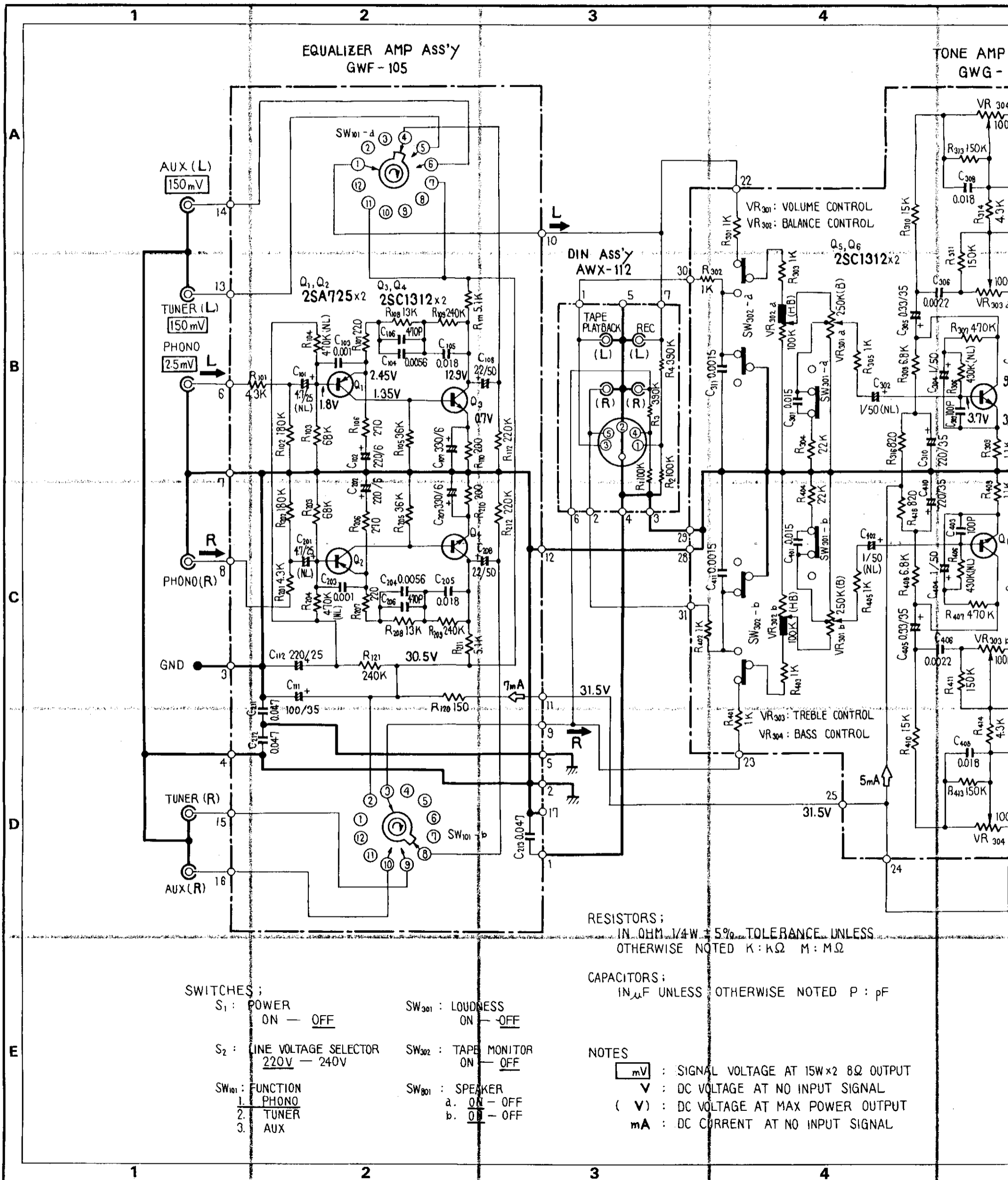
RESISTORS: ±5% TOLERANCE UNLESS NOTED K: kΩ, M: MΩ
 CAPACITORS: OTHERWISE NOTED P: pF
 SIGNAL VOLTAGE AT 15W x 2 8Ω OUTPUT
 DC VOLTAGE AT NO INPUT SIGNAL
 DC VOLTAGE AT MAX POWER OUTPUT
 DC CURRENT AT NO INPUT SIGNAL



STEREO AMPLIFIER

SA-5500II

HG

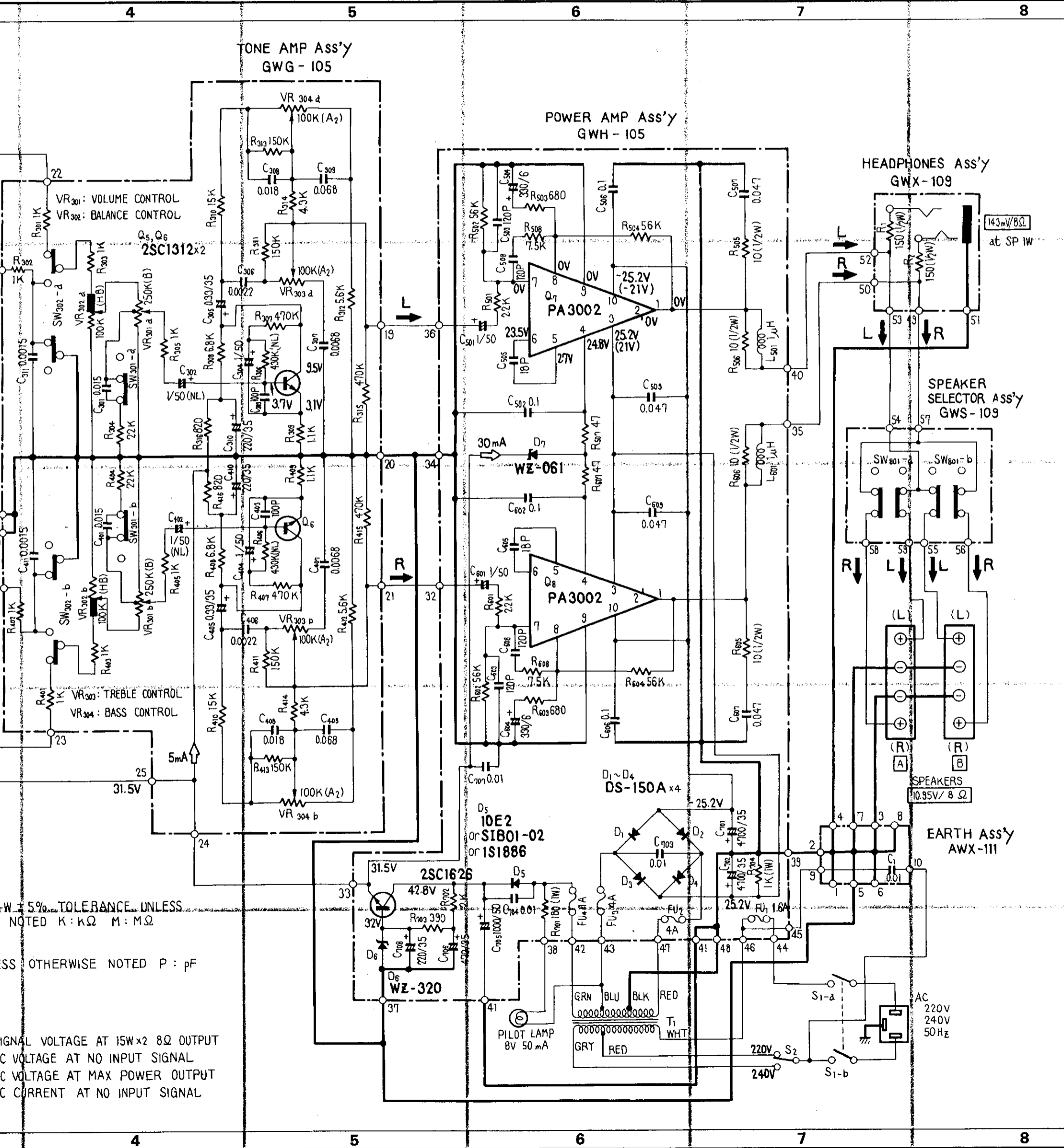


RESISTORS;
IN OHMS 1/4 W. ± 5% TOLERANCE UNLESS
OTHERWISE NOTED K: kΩ M: MΩ

CAPACITORS;
IN μF UNLESS OTHERWISE NOTED P: pF

- SWITCHES;
- S₁: POWER ON — OFF
 - S₂: LINE VOLTAGE SELECTOR 220V — 240V
 - SW₁₀₁: FUNCTION
 - 1. PHONO
 - 2. TUNER
 - 3. AUX
 - SW₃₀₁: LOUDNESS ON — OFF
 - SW₃₀₂: TAPE MONITOR ON — OFF
 - SW₃₀₁: SPEAKER
 - a. ON — OFF
 - b. OFF — OFF

- NOTES
- mV : SIGNAL VOLTAGE AT 15W×2 8Ω OUTPUT
 - V : DC VOLTAGE AT NO INPUT SIGNAL
 - (V) : DC VOLTAGE AT MAX POWER OUTPUT
 - mA : DC CURRENT AT NO INPUT SIGNAL



ONE AMP Ass'y
GWG - 105

POWER AMP Ass'y
GWH - 105

HEADPHONES Ass'y
GWX - 109

SPEAKER
SELECTOR Ass'y
GWS - 109

EARTH Ass'y
AWX - 111

RESISTOR TOLERANCE UNLESS NOTED
K: kΩ M: MΩ

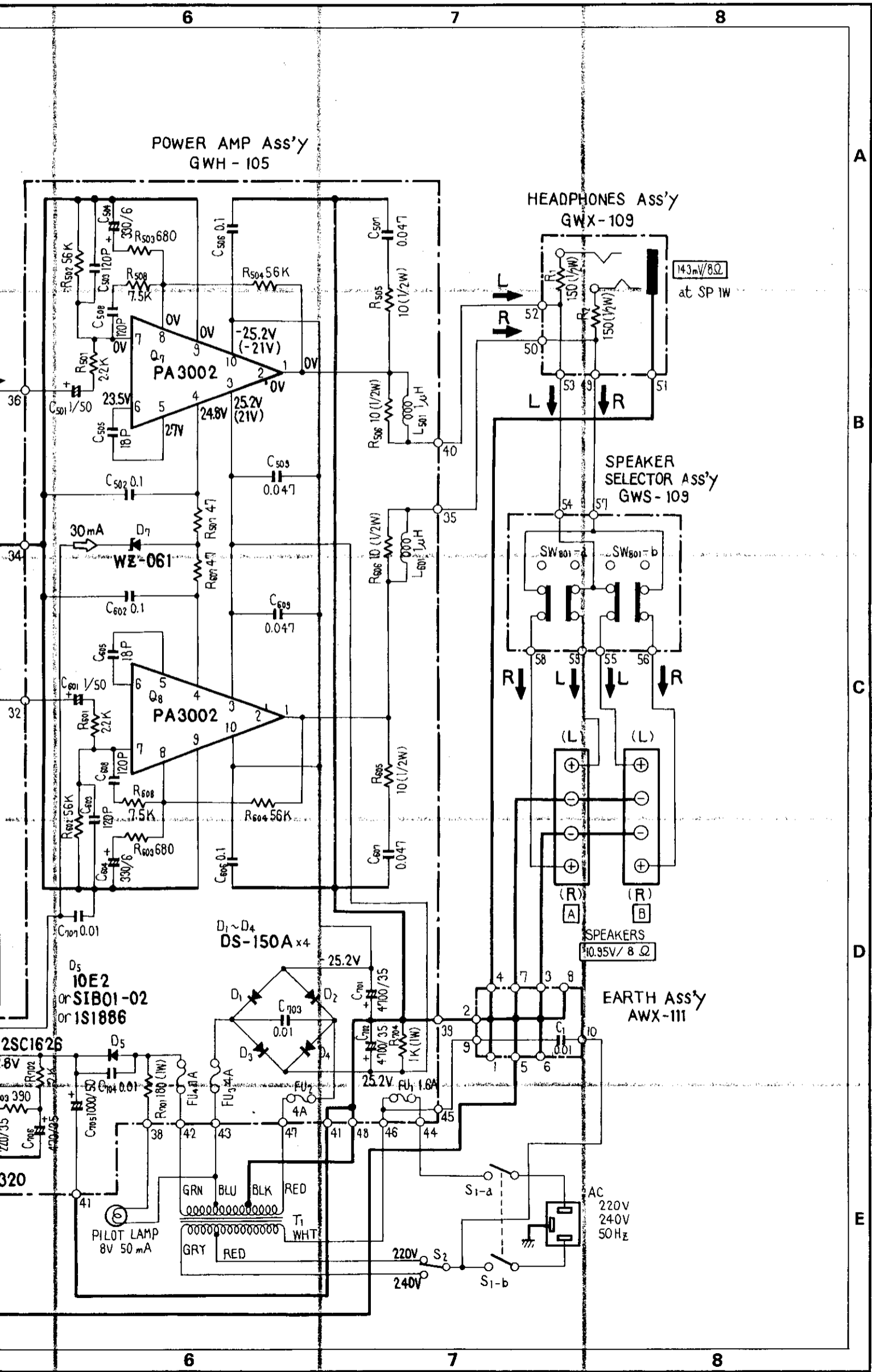
CAPACITOR TOLERANCE UNLESS NOTED
P: pF

VOLTAGE AT 15W x 2 8Ω OUTPUT
VOLTAGE AT NO INPUT SIGNAL
VOLTAGE AT MAX POWER OUTPUT
CURRENT AT NO INPUT SIGNAL

143mV/8Ω
at SP 1W

SPEAKERS
10.95V/8Ω

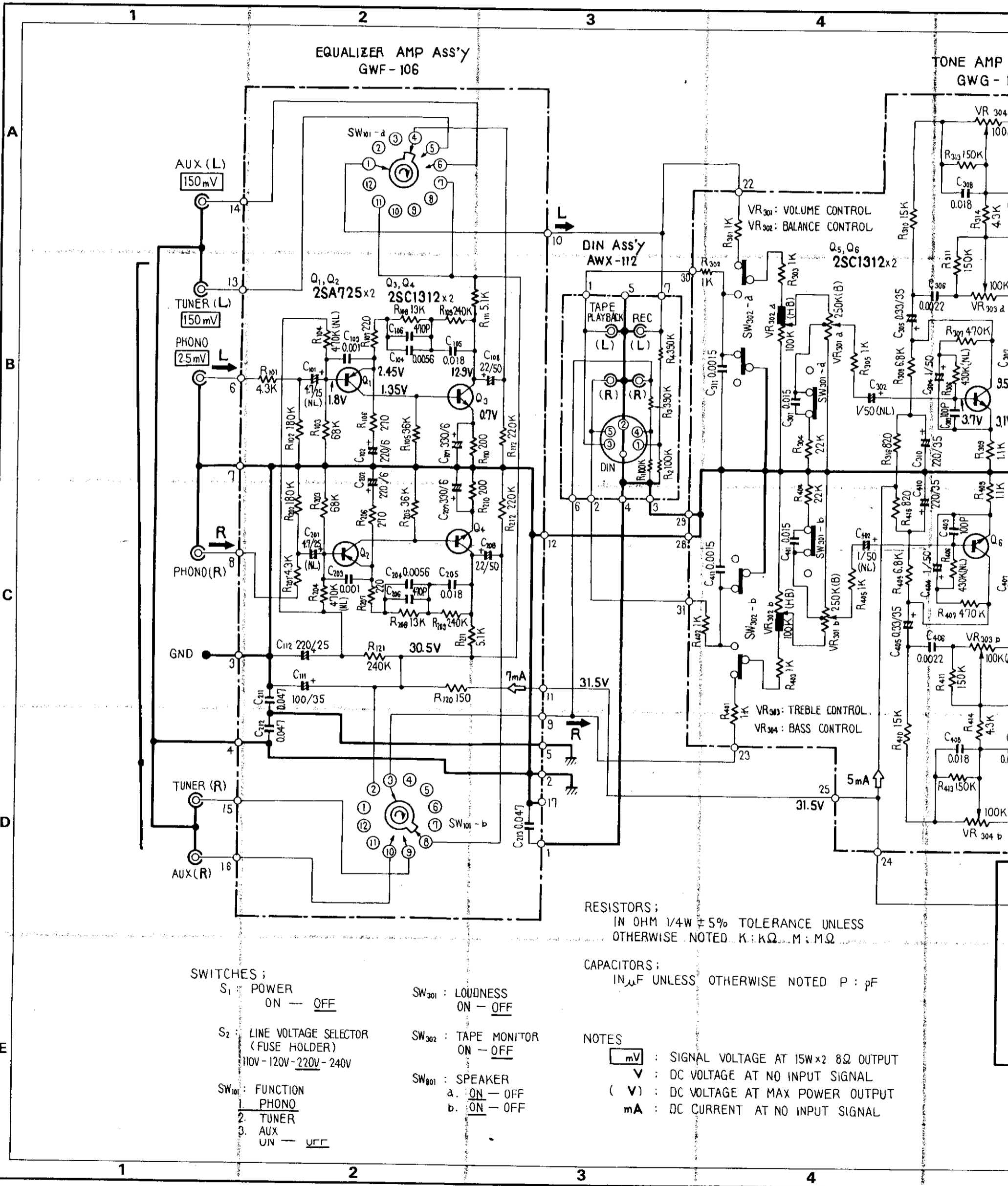
AC
220V
240V
50Hz



STEREO AMPLIFIER

SA-5500II

S

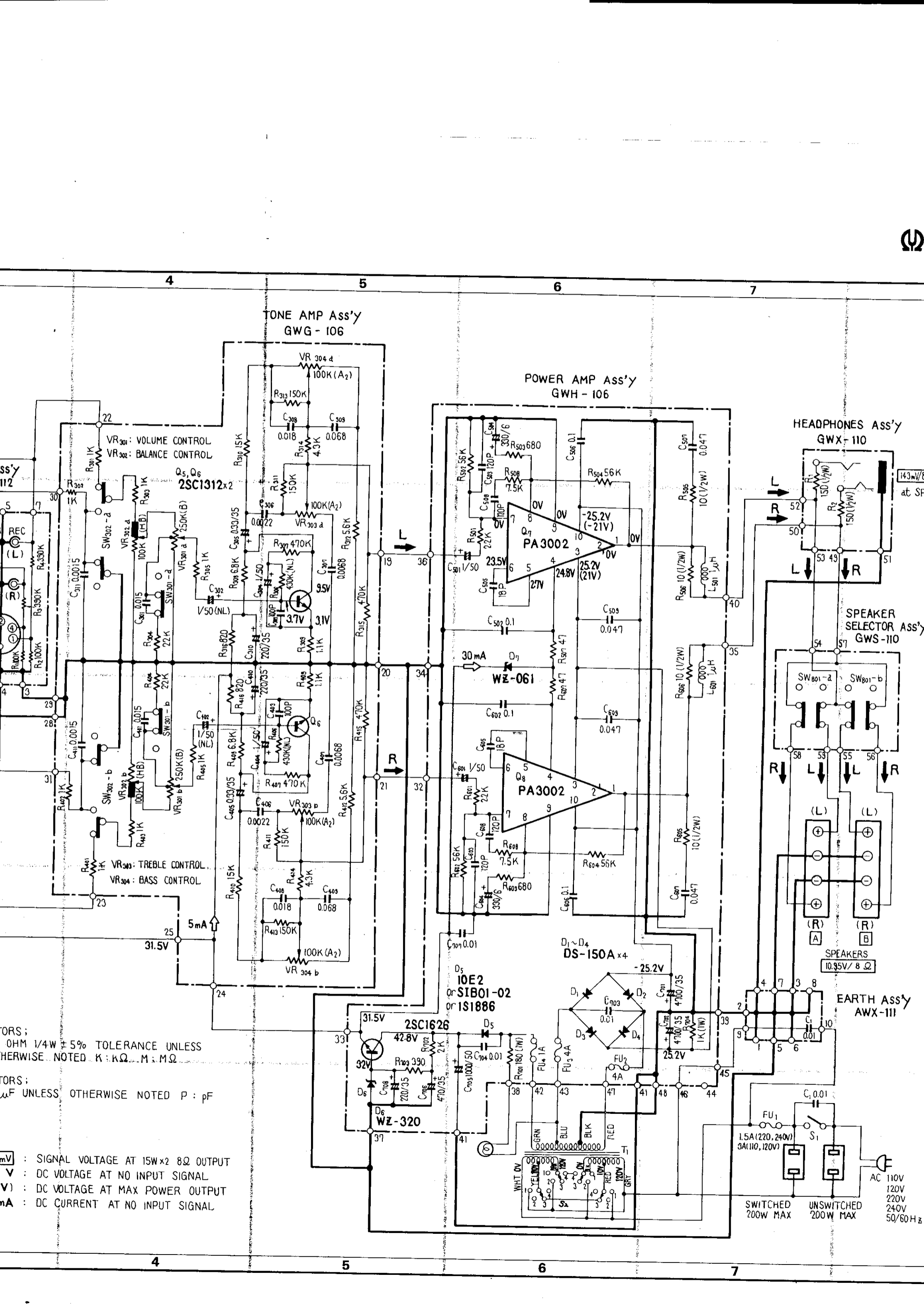


RESISTORS;
IN OHM 1/4W ±5% TOLERANCE UNLESS
OTHERWISE NOTED K: kΩ M: MΩ

CAPACITORS;
IN μF UNLESS OTHERWISE NOTED P: pF

- SWITCHES ;
- S₁ : POWER
ON — OFF
 - S₂ : LINE VOLTAGE SELECTOR
(FUSE HOLDER)
110V - 120V - 220V - 240V
 - SW₁₀₁ : FUNCTION
1. PHONO
2. TUNER
3. AUX
UN — OFF
 - SW₃₀₁ : LOUDNESS
ON — OFF
 - SW₃₀₂ : TAPE MONITOR
ON — OFF
 - SW₃₀₁ : SPEAKER
a. ON — OFF
b. ON — OFF

- NOTES
- mV : SIGNAL VOLTAGE AT 15W×2 8Ω OUTPUT
 - V : DC VOLTAGE AT NO INPUT SIGNAL
 - (V) : DC VOLTAGE AT MAX POWER OUTPUT
 - mA : DC CURRENT AT NO INPUT SIGNAL



**TONE AMP Ass'y
GWG - 106**

**POWER AMP Ass'y
GWH - 106**

**HEADPHONES Ass'y
GWX - 110**

**SPEAKER SELECTOR Ass'y
GWS - 110**

RESISTORS;
RESISTANCE IN OHMS 1/4W ± 5% TOLERANCE UNLESS
OTHERWISE NOTED K : KΩ M : MΩ

CAPACITORS;
CAPACITANCE IN μF UNLESS OTHERWISE NOTED P : pF

⊖ : SIGNAL VOLTAGE AT 15W x 2 8Ω OUTPUT
V : DC VOLTAGE AT NO INPUT SIGNAL
V : DC VOLTAGE AT MAX POWER OUTPUT
mA : DC CURRENT AT NO INPUT SIGNAL



