

ADDITIONAL

 PIONEER®

# Service Manual

ORDER NO.  
ART-588-0

NON SWITCHING AMP  
STEREO AMPLIFIER

## A-9 S S/G

The basic performance of the S/G type (U.S. Military model) and S type (General export model) is the same as the HE type (European continent model). This additional service manual is applicable to the S/G and S types, please refer to the HE type service manual (ART-590) with the exception of this supplements.

### SPECIFICATIONS

The specifications for S/G and S types are the same as the HE type except for following sections;

#### Miscellaneous


Power Requirements . . . . . 110/120/220/240V(Switchable), 50/60Hz  
Power Consumption . . . . . 300W

#### Furnished Parts







Fuse(10A) x 1  
Fuse(5A) x 1

### MISCELLANEOUS PARTS

#### NOTES:

- Parts without part number cannot be supplied.
- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- For your Parts Stock Control, the fast moving items are indicated with the marks **★★** and **★**.  
**★★** *GENERALLY MOVES FASTER THAN ★.*  
*This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.*

The parts for S/G and S types are the same as the HE type except for following sections;

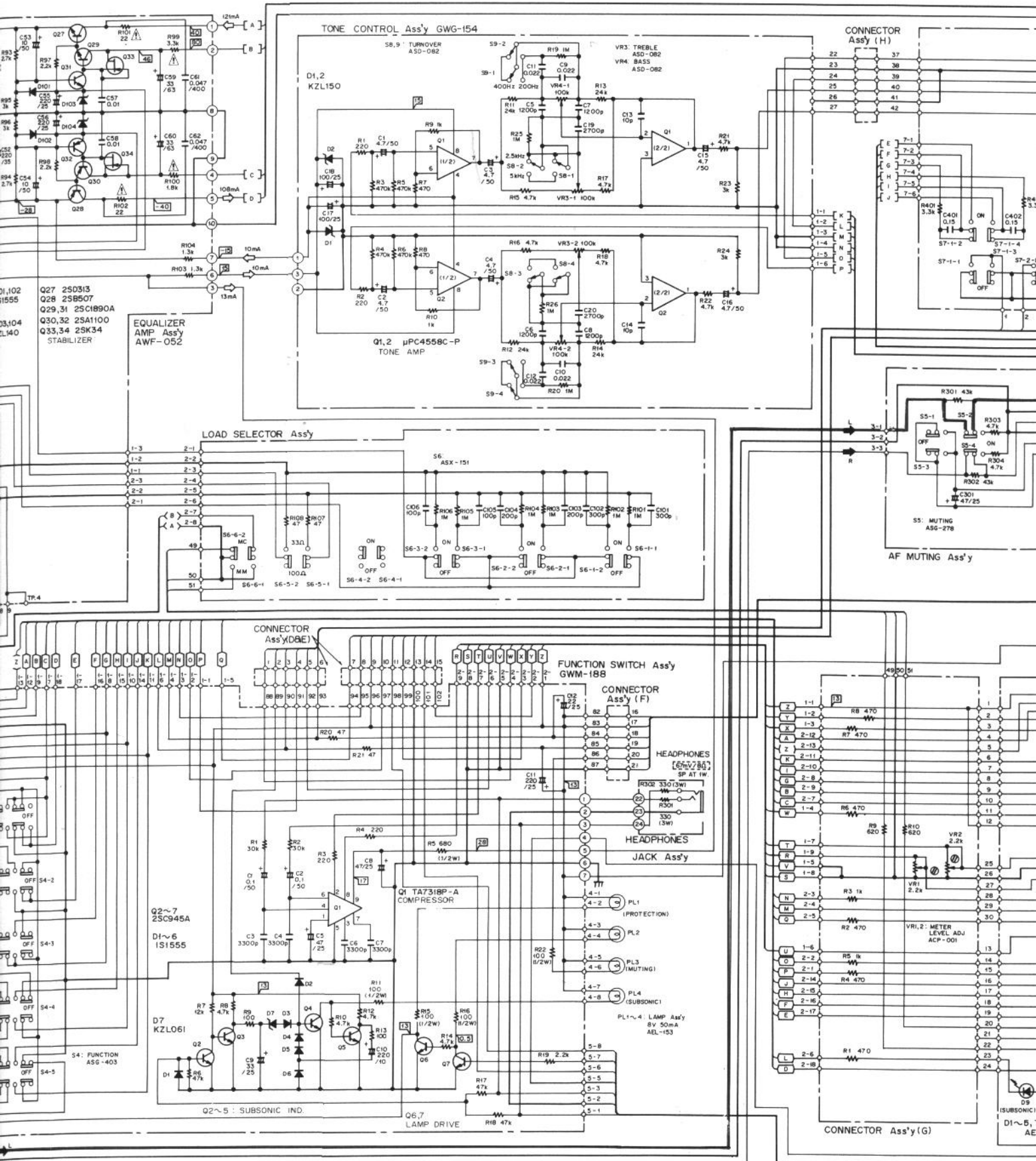
Mark	Symbol & Description	Part No.			Remarks
		HE type	S type	S/G type	
 ★	T1 Power transformer	ATT-762	ATT-761	ATT-761	220/240V
 ★★	FU1 Fuse (5A)	AEK-015	AEK-108	(AEK-108)	
 ★★	FU1 Fuse (10A)	.....	(AEK-114)	AEK-114	110/120V
 ★★	FU2-FU5 Fuse (1A)	AEK-402	AEK-106	AEK-106	
 ★★	FU6 Fuse (1.6A)	AEK-405	.....	.....	
 ★★	FU6 Fuse (1.5A)	.....	AEK-104	AEK-104	

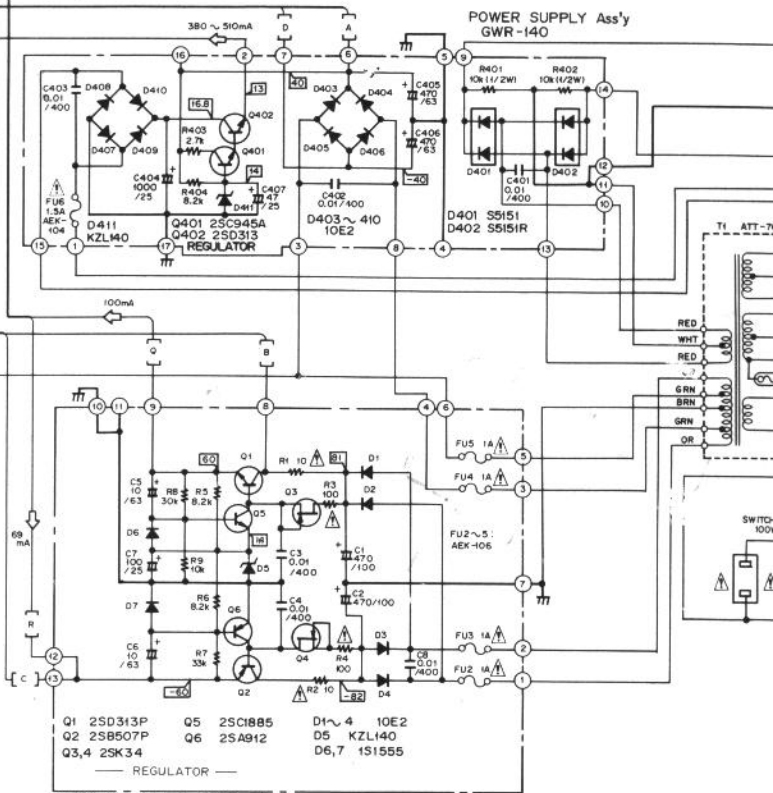
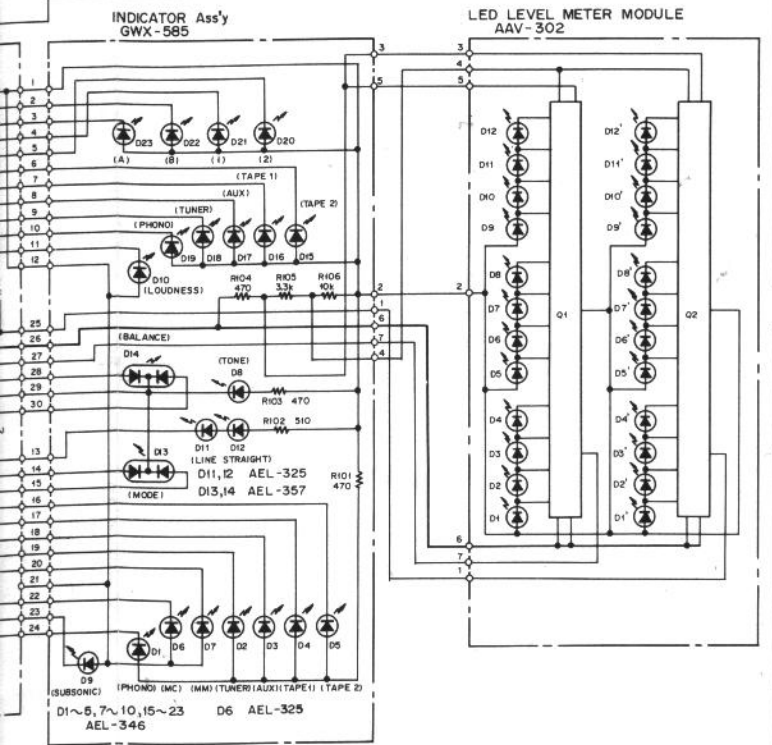
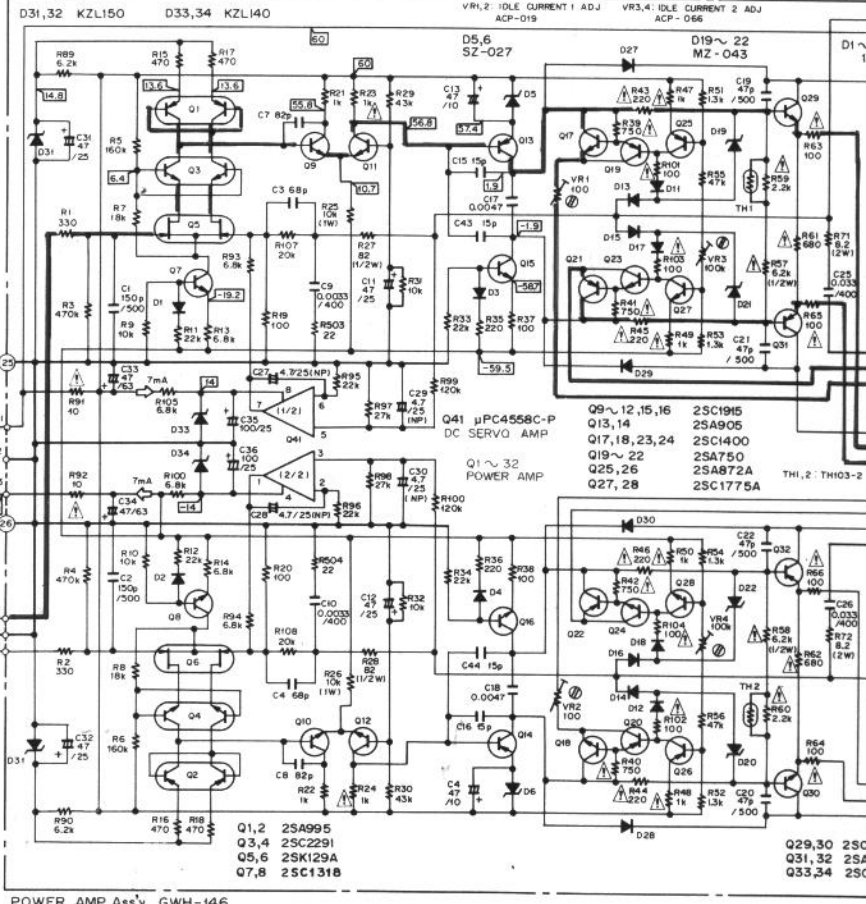
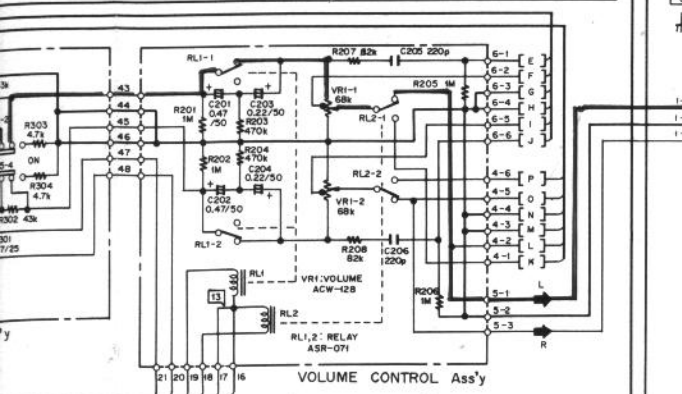
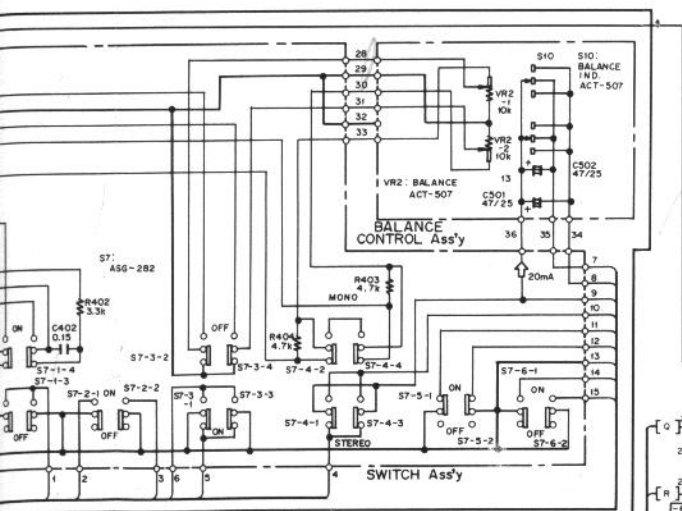
PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan  
U.S. PIONEER ELECTRONICS CORPORATION 85 Oxford Drive, Moonachie, New Jersey 07074, U.S.A.  
PIONEER ELECTRONIC (EUROPE) N.V. Luithagen-Haven 9, 2030 Antwerp, Belgium  
PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia

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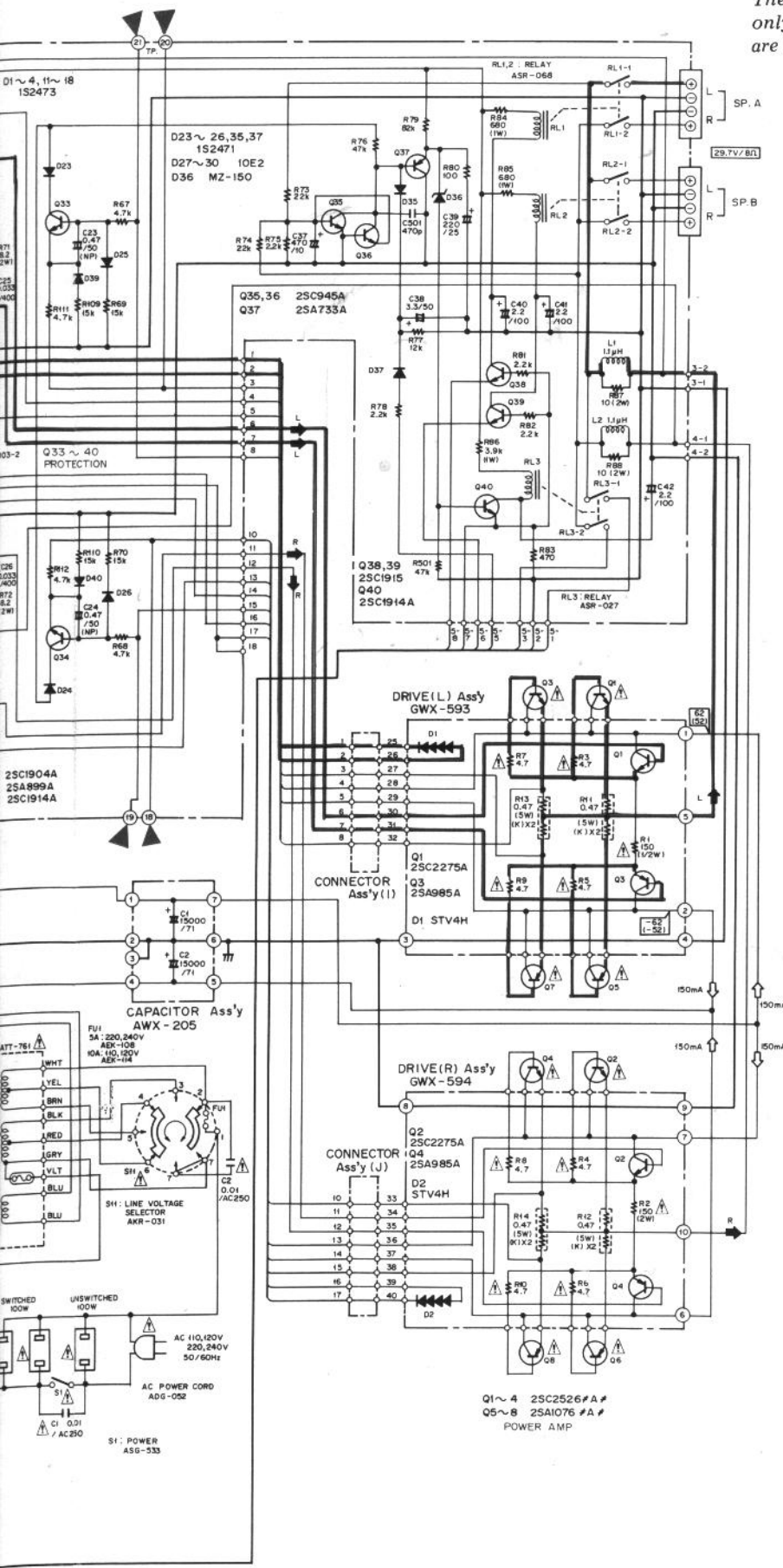






NOTE:

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



- RESISTORS:**  
Indicated in Ω, %W, +5% tolerance unless otherwise noted k : kΩ, M : MΩ, (F) : ±1%, (G) : ±2%, (K) : ±10%, (M) : ±20% tolerance
  - CAPACITORS:**  
Indicated in capacity (μF)/voltage (V) unless otherwise noted p : pF  
Indication without voltage is 50V except electrolytic capacitor.
  - VOLTAGE, CURRENT:**  
Signal voltage at 110 W + 110 W B1: output (1kHz)  
DC voltage (V) at no input signal  
Value in ( / ) is DC voltage at rated power.  
mA: DC current at no input signal
  - OTHERS:**  
→ Signal route.  
⊗ : Adjusting point.  
▲ : The ▲ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- SWITCHES:**
- |  |                           |
|--|---------------------------|
| S1 : POWER                             | ON - OFF                  |
| S2 : PHONO (SIGNAL)                    | MC - MM                   |
| S3 : REC. OUT SELECTOR                 |                           |
| 2-1-1-2 - SOURCE - PHONO - TUNER - AUX |                           |
| S4-1 : FUNCTION (PHONO)                | ON - OFF                  |
| S4-2 : FUNCTION (TUNER)                | ON - OFF                  |
| S4-3 : FUNCTION (AUX)                  | ON - OFF                  |
| S4-4 : FUNCTION (TAPE 1)               | ON - OFF                  |
| S4-5 : FUNCTION (TAPE 2)               | ON - OFF                  |
| S5 : MUTING (-20dB)                    | ON - OFF                  |
| S6-1 : MM LOAD (400p)                  | ON - OFF                  |
| S6-2 : MM LOAD (300p)                  | ON - OFF                  |
| S6-3 : MM LOAD (200p)                  | ON - OFF                  |
| S6-4 : MM LOAD (100p)                  | ON - OFF                  |
| S6-5 : MC LOAD                         | 100Ω - 33Ω                |
| S6-6 : PHONO (IND)                     | MC - MM                   |
| S7-1 : LOUDNESS                        | ON - OFF                  |
| S7-2 : SUBSONIC FILTER (15Hz)          | ON - OFF                  |
| S7-3 : LINE STRAIGHT                   | ON - OFF                  |
| S7-4 : MODE                            | STEREO - MONO             |
| S7-5 : SPEAKERS (A)                    | ON - OFF                  |
| S7-6 : SPEAKERS (B)                    | ON - OFF                  |
| S8 : TURNOVER (TREBLE)                 | 2.5kHz - 5kHz             |
| S9 : TURNOVER (BASS)                   | 400Hz - 200Hz             |
| S10 : BALANCE (IND)                    | ON - OFF                  |
| S11 : LINE VOLTAGE SELECTOR            | 110V - 120V - 220V - 240V |
- The underlined indicates the switch position.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

A

B

C

D