

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.

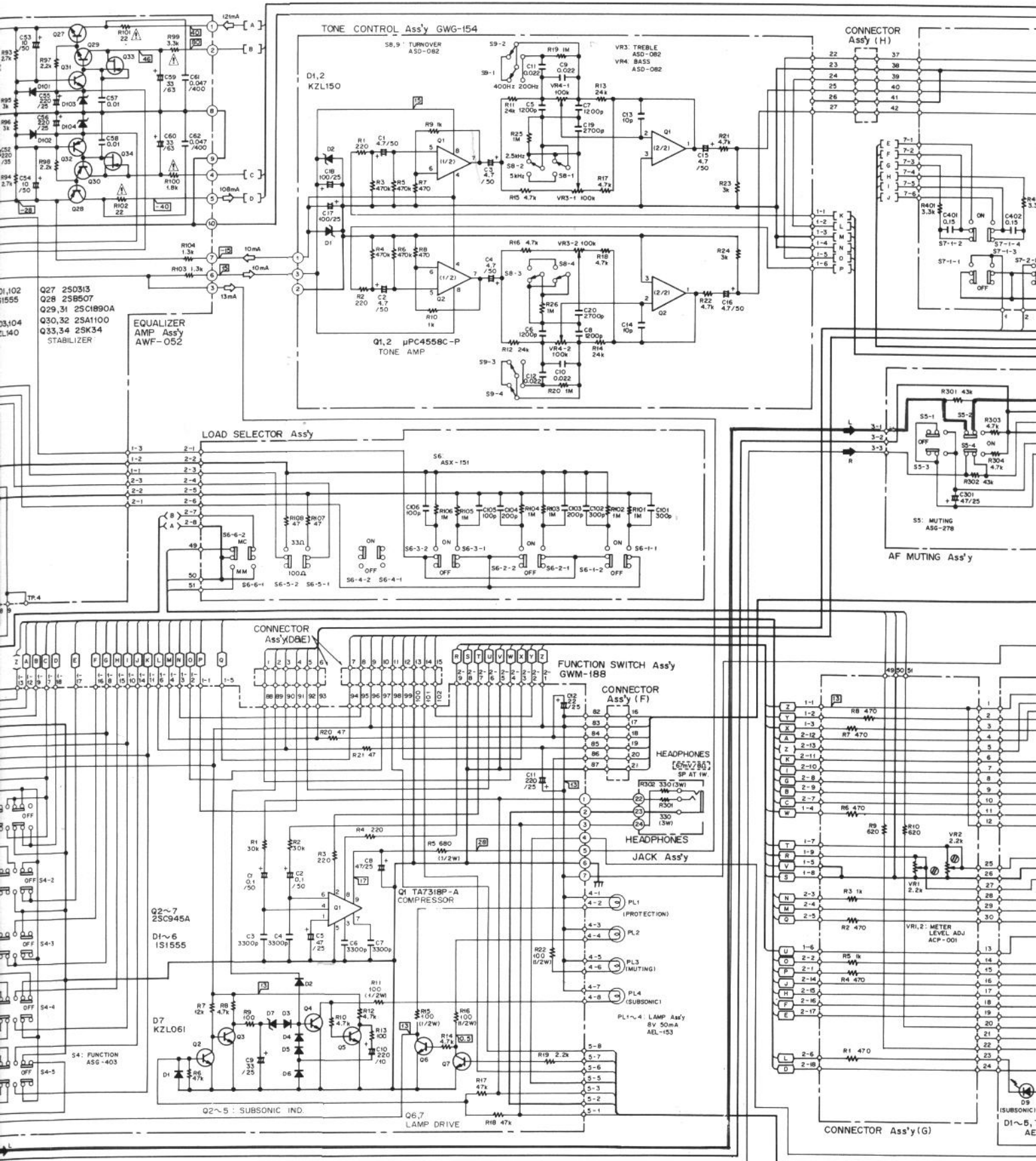
The parts for S/G and S types are the same as the HE type except for following sections;

| 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 | |

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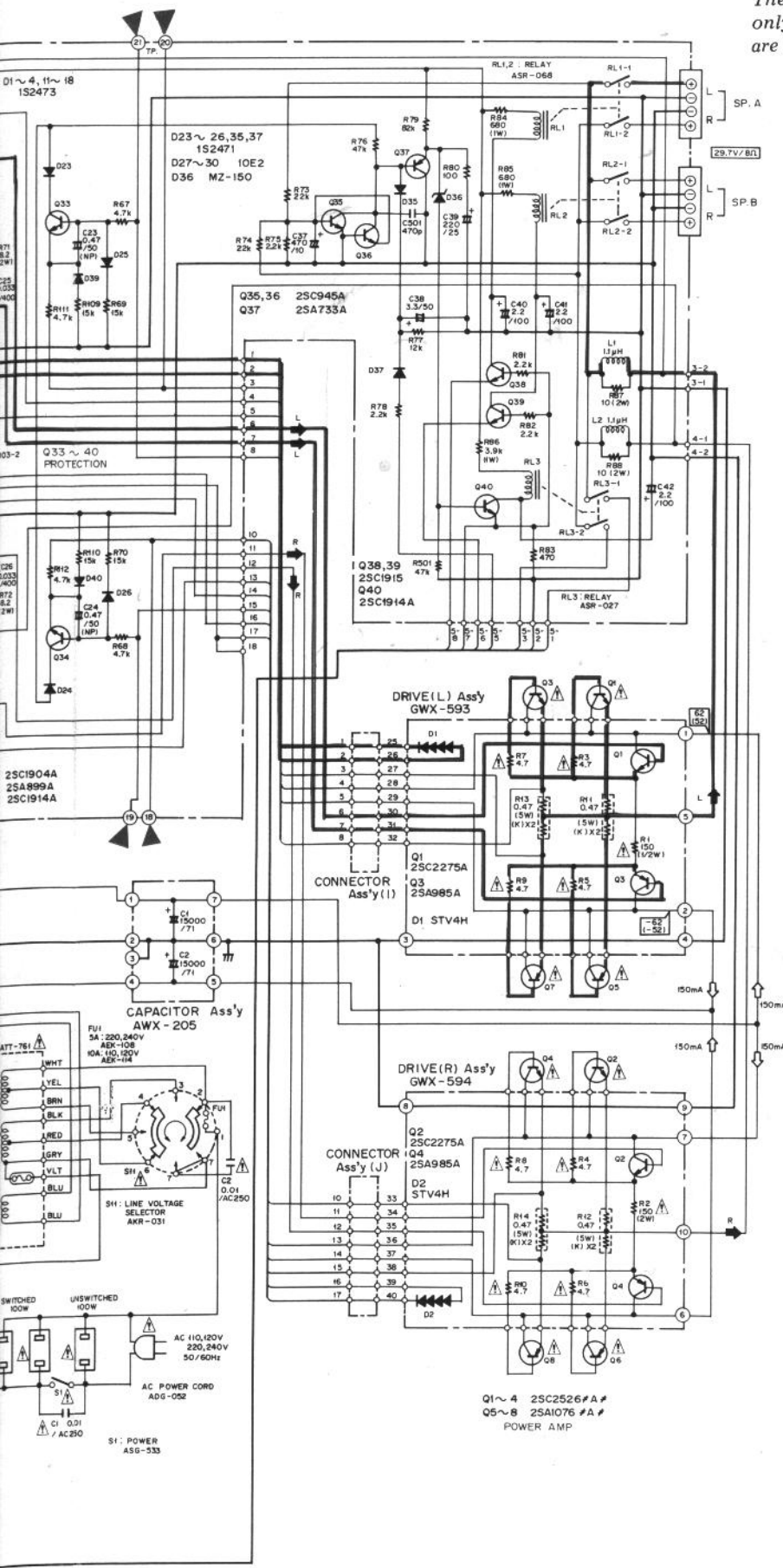
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NOTE:

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