

ADDITIONAL

 **PIONEER®**

Service Manual

**ORDER NO.
ART-657-0**

GRAPHIC EQUALIZER

SG-300

WE, WB, WP

- This additional service manual is applicable to the SG-300/WE, WB and WP types.
- The basic performance of the SG-300/WE, WB and WP types is the same as the SG-300/KU type service manual (ART-656) with the exception of this supplements.

1. SPECIFICATIONS

The specifications for SG-300/WE, WB and WP types are the same as the SG-300/KU type except for following section;

Miscellaneous

Power Requirements

We, WB and WP types AC220V-240V, 50/60Hz

SWITCH Ass'y

SI-1: EQUALIZER ASG-290
SI-2: EQ REC
SI-3: TAPE

VOLUME Ass'y AWX-211

60Hz 150Hz 400Hz 1kHz 2.4kHz 6kHz
VR1 20k VR2 20k VR3 20k VR4 20k VR5 20k VR6 20k
VR1 ~ 7: FREQUENCY ACX-008

Q1~3 M5218L

BUFFER AMP
Q1 (1/2)
Q2 (2/2)
Q3 (1/2)

EQUALIZER AMP
Q1 (1/2)
Q2 (1/2)
Q3 (1/2)

**Q18,19 2SD0313
Q20 2SA733A
Q21~24 2SC1815**

Q18~22 REGULATOR

Q23,24 LED DRIVE

FUSE Ass'y
F1 T2.5A AEX-403
UNSWITCHED 100W MAX.

AC POWER CORD
ADG-035
AC 220~240V 50/60Hz

SWITCH Ass'y

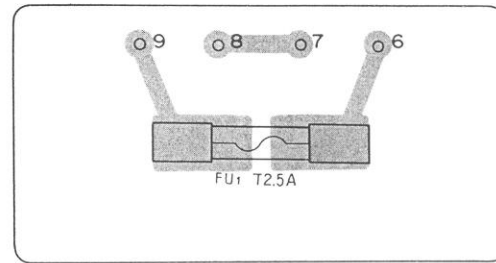
S2-2
C43 0.01/AC150

S2: POWER ASG-215

ATT-808

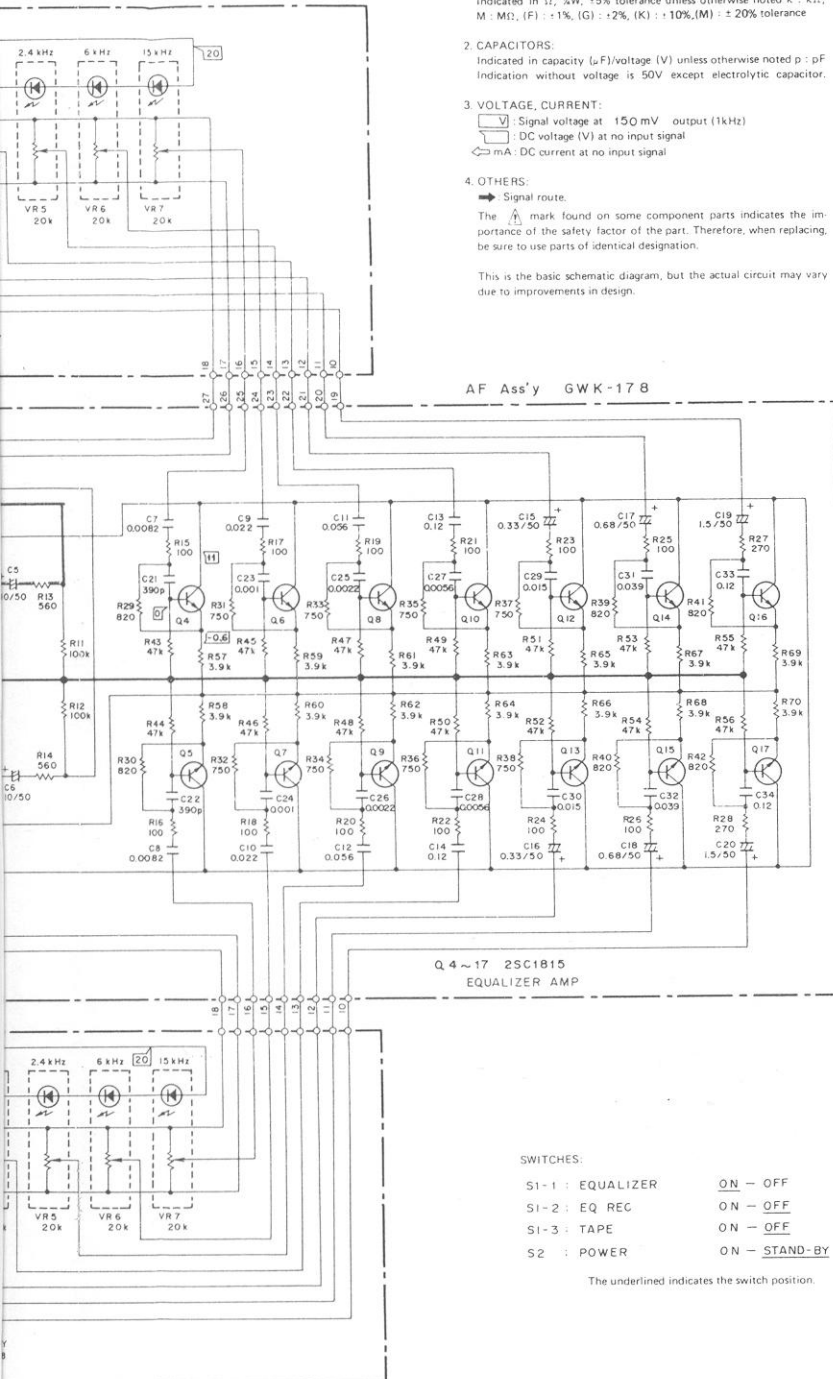
GRN BLU GRN WHT

Fuse Assembly (WP type)



1. RESISTORS:
Indicated in Ω , $k\Omega$, $M\Omega$, $\pm 5\%$ tolerance unless otherwise noted $k : k\Omega$, $M : M\Omega$, (F) : $\pm 1\%$, (G) : $\pm 2\%$, (K) : $\pm 10\%$, (M) : $\pm 20\%$ tolerance
2. CAPACITORS:
Indicated in capacity (μF)/voltage (V) unless otherwise noted $p : pF$
Indication without voltage is 50V except electrolytic capacitor.
3. VOLTAGE, CURRENT:
V : Signal voltage at 150 mV output (1kHz)
V : DC voltage (V) at no input signal
mA : DC current at no input signal
4. OTHERS:
→ Signal route.
- The Δ 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.

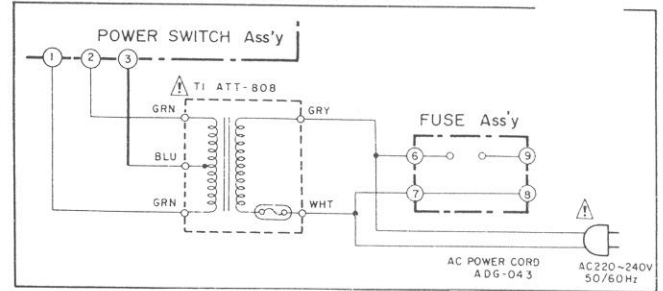
This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.



- SWITCHES:
- | | |
|------------------|----------------------|
| S1-1 : EQUALIZER | ON - OFF |
| S1-2 : EQ REC | ON - OFF |
| S1-3 : TAPE | ON - OFF |
| S2 : POWER | ON - <u>STAND-BY</u> |

The underlined indicates the switch position.

POWER SUPPLY CIRCUIT FOR WP TYPE



POWER SUPPLY CIRCUIT FOR WB TYPE

