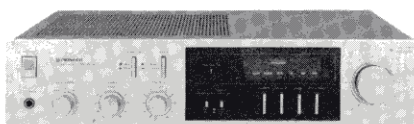


Service Manual

REPAIR & ADJUSTMENTS



**ORDER NO.
ART-640-0**

STEREO AMPLIFIER

SA-620

MODEL SA-620 COMES IN SIX VERSIONS DISTINGUISHED AS FOLLOWS:

Type	Voltage	Remarks
KU	120V only	U.S.A. model
S	110V, 120V, 220V and 240V (Switchable)	General export model
S/G	110V, 120V, 220V and 240V (Switchable)	U.S. Military model
YP	240V only	Australia model
HE	220V and 240V (Switchable)	Europe model
HB	220V and 240V (Switchable)	United Kingdom model

- This service manual is applicable to the KU type (pp. 1 – 18), YP type (pp. 19 – 26) and S, S/G types (pp. 27 – 32). When repairing the HE, HB types, please see the additional service manual (ART-641).
- For the circuit description, please refer to the supplement of model SA-720 service manual (ART-765).
- Ce manuel d'instruction se réfère au mode de réglage, en français.
- Este manual de servicio trata del método de ajuste escrito en español.

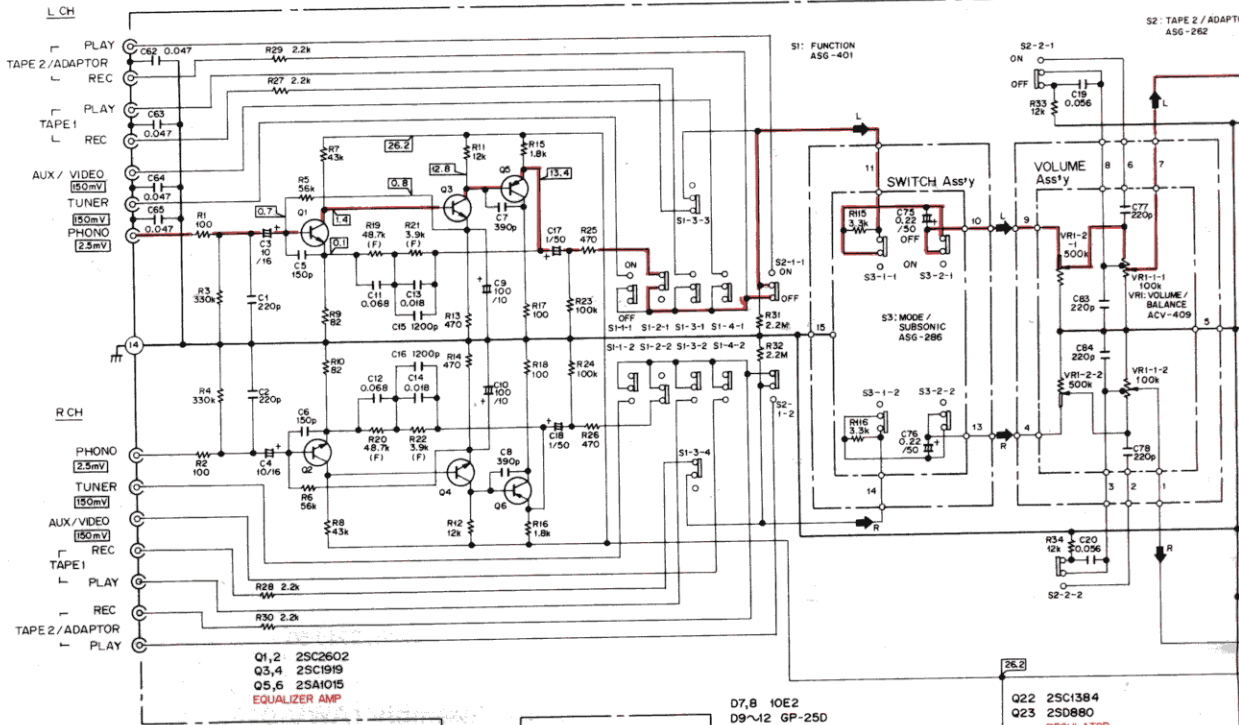
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SCHEMATIC DIAGRAM

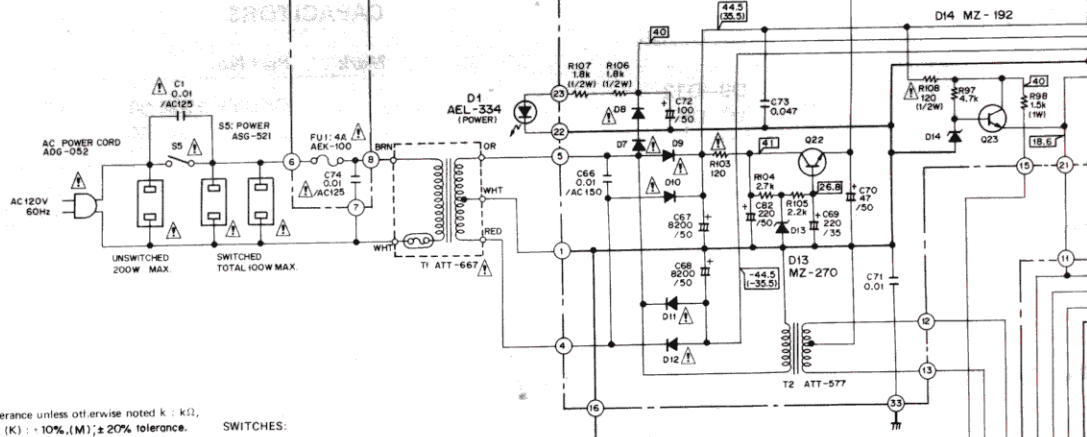
AF Assy

S2: TAPE 2 / ADAPTOR ASS-262



Q7,8 10E2
Q9~12 GP-250

Q22 25C1384
Q23 25D880
REGULATOR



1. RESISTORS:
Indicated in Ω, ¼W, +5% tolerance unless otherwise noted k: kΩ, M: MΩ, (F): ±1%, (G): ±2%, (K): ±10%, (M): ±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
⊞: Signal voltage at 45 W + 45 W 8Ω output (1kHz)
⊞: DC voltage (V) at no input signal
Value in () is DC voltage at rated power.

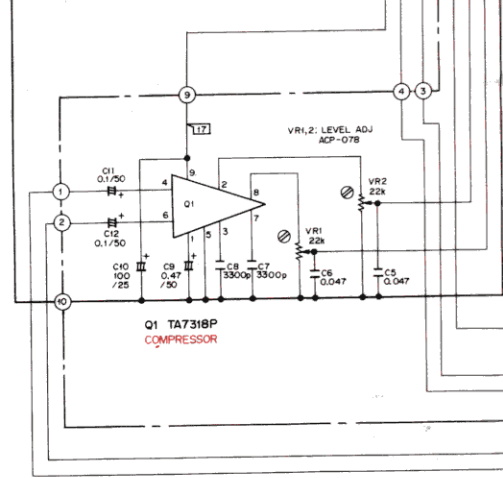
4. OTHERS:
→: Signal route
⊙: Adjusting point
⊞: The ⊞ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

SWITCHES:

S1-1: FUNCTION (TUNER) ON - OFF
S1-2: FUNCTION (PHONO) ON - OFF
S1-3: FUNCTION (TAPE 1) ON - OFF
S1-4: FUNCTION (AUX / VIDEO) ON - OFF
S2-1: TAPE 2 / ADAPTOR ON - OFF
S2-2: LOUDNESS ON - OFF
S3-1: MODE STEREO - MONO ON - OFF
S3-2: SUBSONIC ON - OFF
S4: SPEAKERS OFF - A - B ON - OFF
S5: POWER ON - OFF

The underlined indicates the switch position.

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



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

