

ADDITIONAL

 PIONEER®

Service Manual

ORDER NO.
ART-621-0

NON SWITCHING AMP
STEREO AMPLIFIER

A-5 HE, HB

- The basic performance of the HE and HB types is the same as the KU type, please refer to the KU type service manual (ART-620) with the exception of this supplements.

SPECIFICATIONS

The specifications for HE and HB types are the same as the KU type except for following sections:

Amplifier Section

Hum and Noise (DIN, continuous Power/50mW)

PHONO.....72dB/64dB

TUNER, AUX, TAPE PLAY.....95dB/69dB

Miscellaneous

Power Requirements220V/240V (Switchable)

50/60Hz

Power Consumption250W

Line Voltage Selection

Line voltage can be changed with following steps.

1. Disconnect the AC power cord.
2. Remove the top cover.
3. Take out the fuse (AEK-018) from the fuse assembly.
4. Re-install the fuse in the correct voltage indication (see Fig. 1).
5. Stick the line voltage label on the rear panel.

Part No.	Description
AAX-193	220V label
AAX-192	240V label

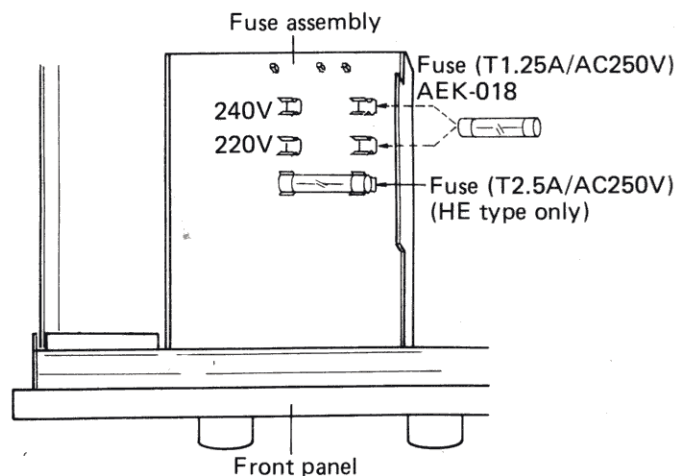
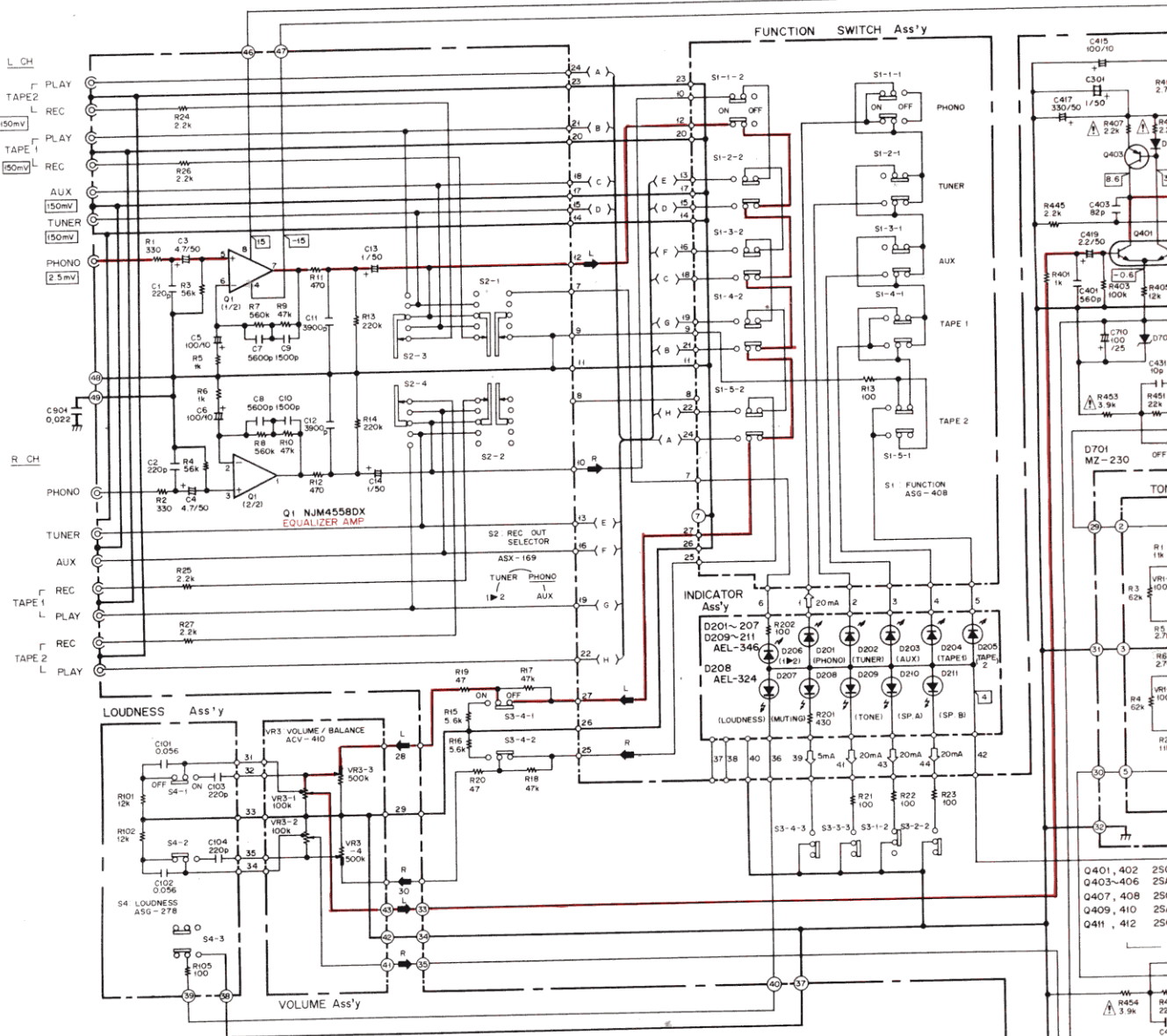


Fig. 1

SCHEMATIC DIAGRAM



1. RESISTORS:

Indicated in Ω , $\frac{1}{2}W$, $\frac{1}{4}W$, $\pm 5\%$ tolerance unless otherwise noted k : k Ω , M : M Ω , (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
Indicated without voltage is 50V except electrolytic capacitor.

3. VOLTAGE, CURRENT:

Signal voltage at 35 W + 35 W 8 Ω output (1kHz)

DC voltage (V) at no input signal
Value in () is DC voltage at rated power.

$\rightarrow$ mA DC current at no input signal

4. OTHERS:

$\rightarrow$ Signal route.

$\odot$ Adjusting point.

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.

SWITCHES:

S1-1	FUNCTION (PHONO)	ON - OFF
S1-2	FUNCTION (TUNER)	ON - OFF
S1-3	FUNCTION (AUX)	ON - OFF
S1-4	FUNCTION (TAPE 1)	ON - OFF
S1-5	FUNCTION (TAPE 2)	ON - OFF
S2	REC OUT SELECTOR	
	COPY 1-2 - TUNER - PHONO - AUX	
S3-1	SPEAKER (A)	ON - OFF
S3-2	SPEAKER (B)	ON - OFF
S3-3	TONE	ON - OFF
S3-4	MUTING (-20dB)	ON - OFF
S4	LOUDNESS	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.

