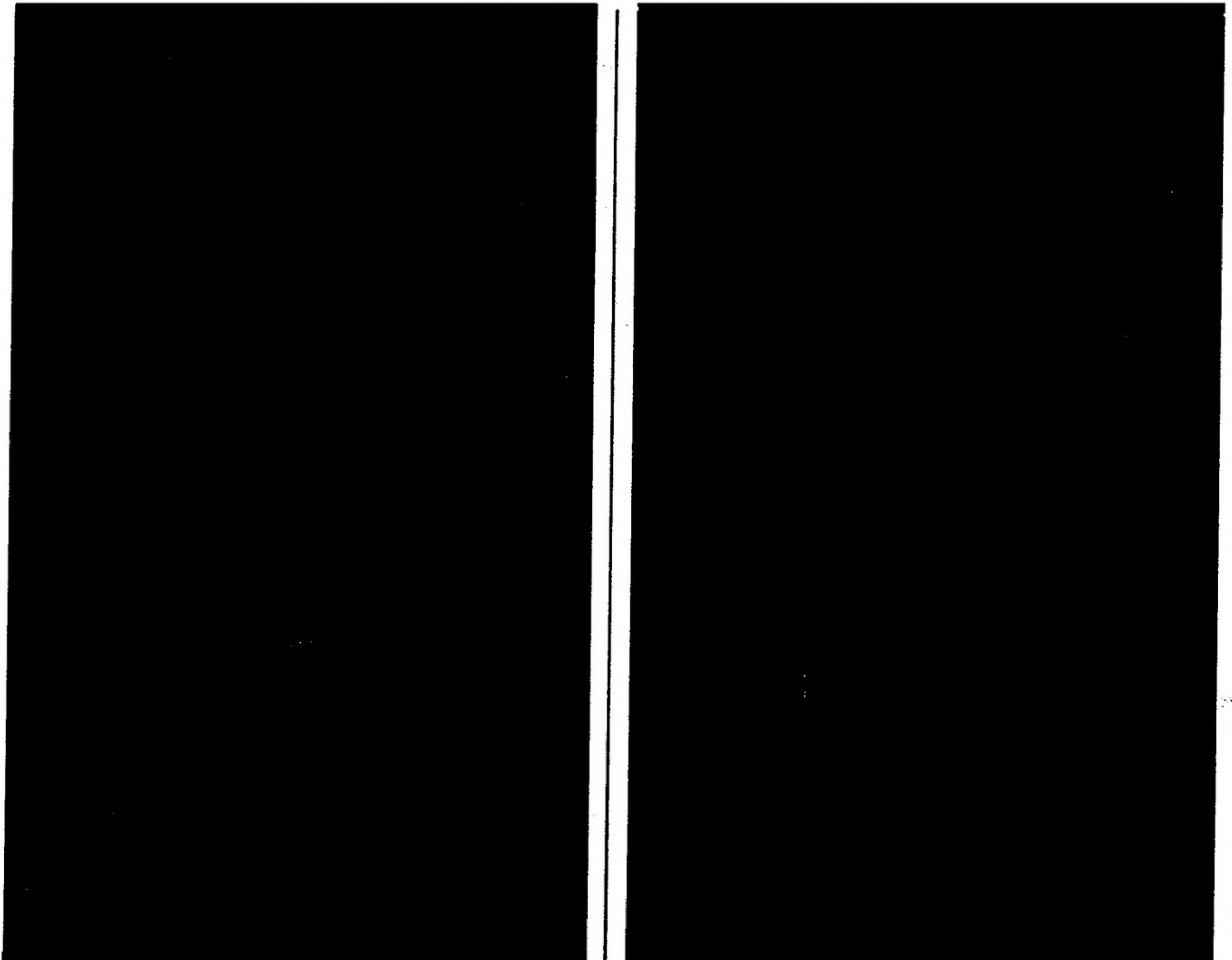


Service Manual

GA 203

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Teleton

SERVICE MANUAL

20 Watt Solid State Stereo Hi-Fi Amplifier

MODEL GA-203



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ALIGNMENT INSTRUCTION

- Equipment required : (See Fig. 1 and 2)
Signal Generator (SG) : Output 1 kHz
with attenuator approx. 10mV – 500mV
R 10 kohm distortion 0.1%
Oscilloscope (OSC) : normal
Amperemeter (AM) : DC 0 – 100mA
Volt meter (VM) : DC 0 – 50V
Dummy load (R) : 8 ohm 5% 20W
For further checks
Distortion Meter (DM)
Audio-Voltmeter (AVM)

STEP	OUTPUT	ADJUST	ADJUST FOR
1	0	VR601-L VR602-R or	Vc = 1/2 Vcc
2	0	VR603-L VR604-R or	IC = 17 mA
3	19–21W	VR601-L VR602-R or	Symmetric sine wave as shown in Fig. 2
4	just 20W	VR101 VR102	VU Meter 0dB

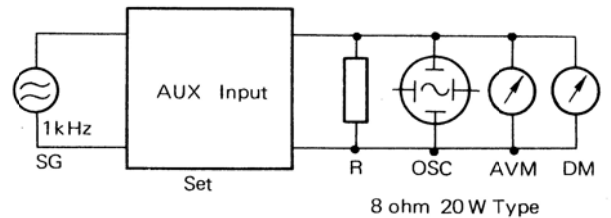


Fig. 1

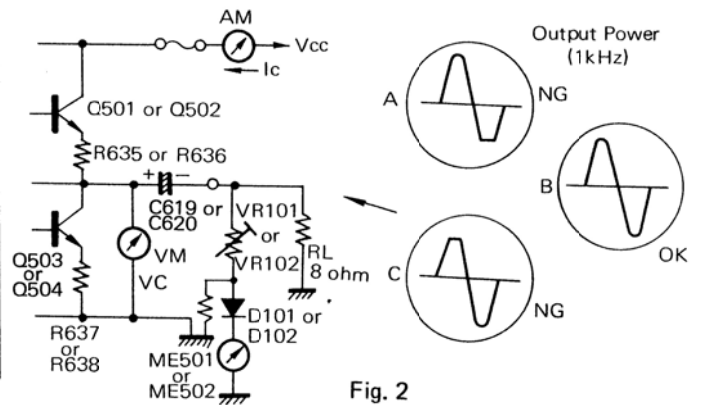
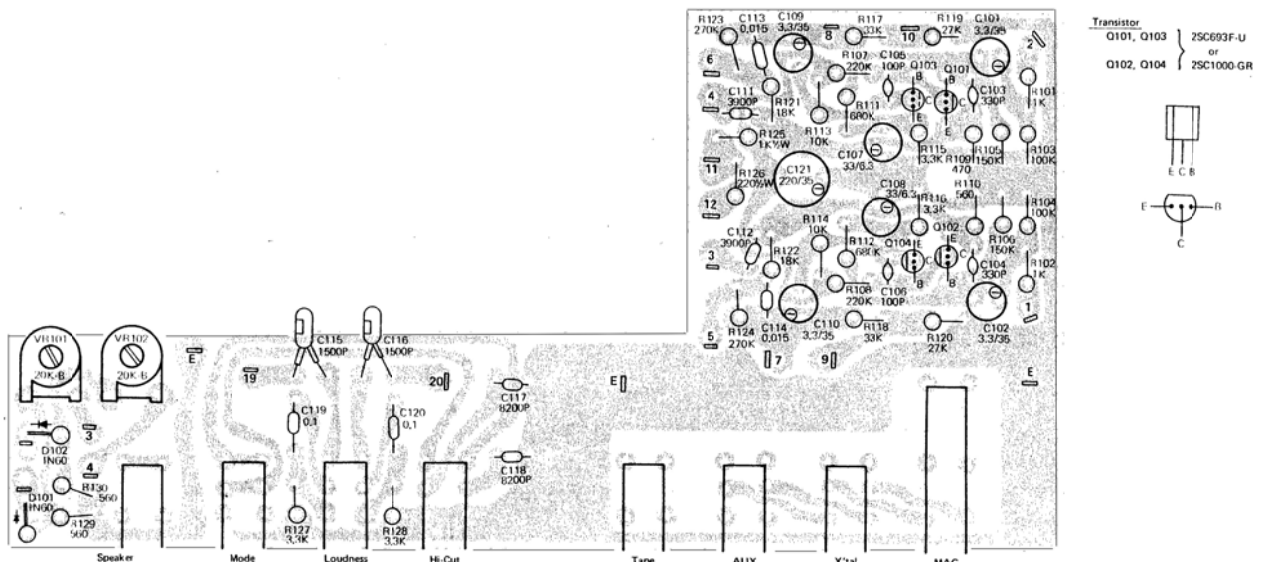


Fig. 2

Equalizer Amp P. C. Board(EQA-400)



Tone Control Amp. P. C. Board(TOA-400)

MODEL GA-203

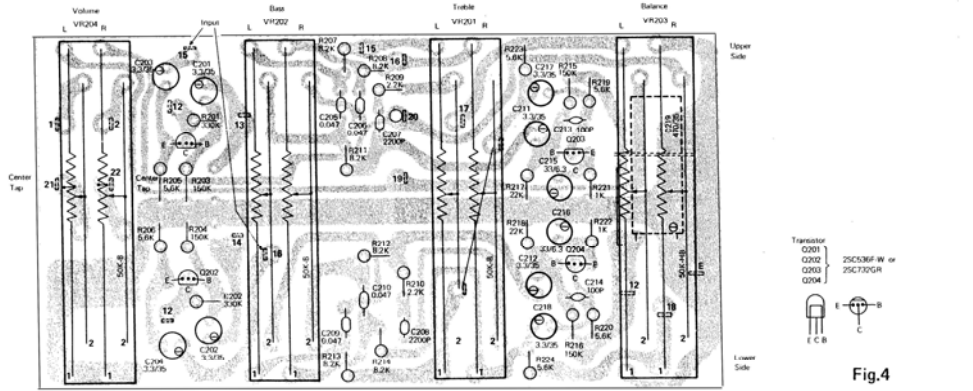
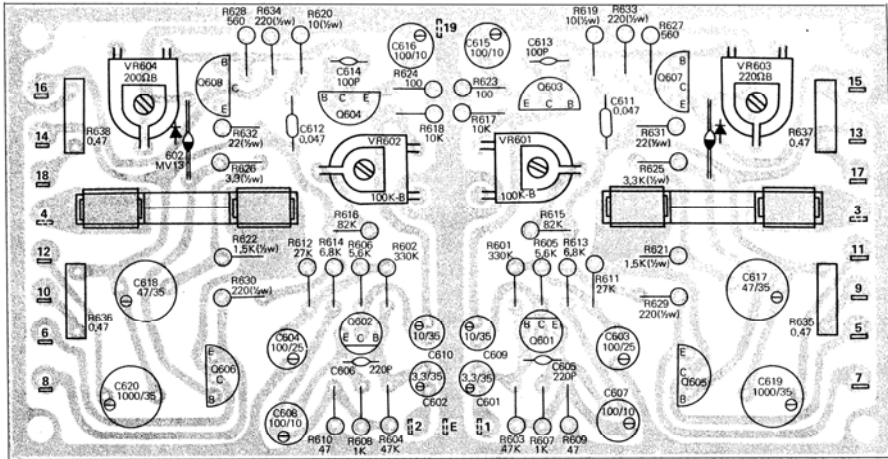


Fig. 4

MAIN Amp. P. C. Board(MA-400)



Transistor
 Q603, Q604, Q605, Q606 2SC1384 Q/R
 Q607, Q608 2SA684 Q/R
 Q601, Q602 2SC536F-W or 2SC732GR

Fig. 5

Power Supply P. C. Board(PS-400)

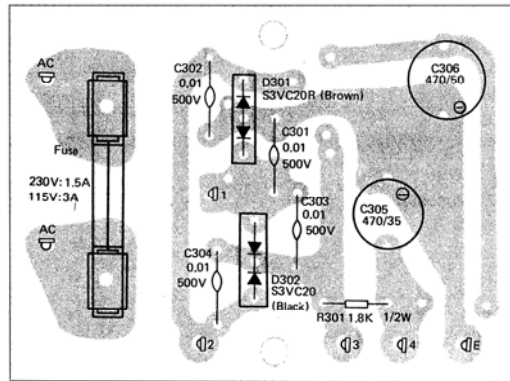
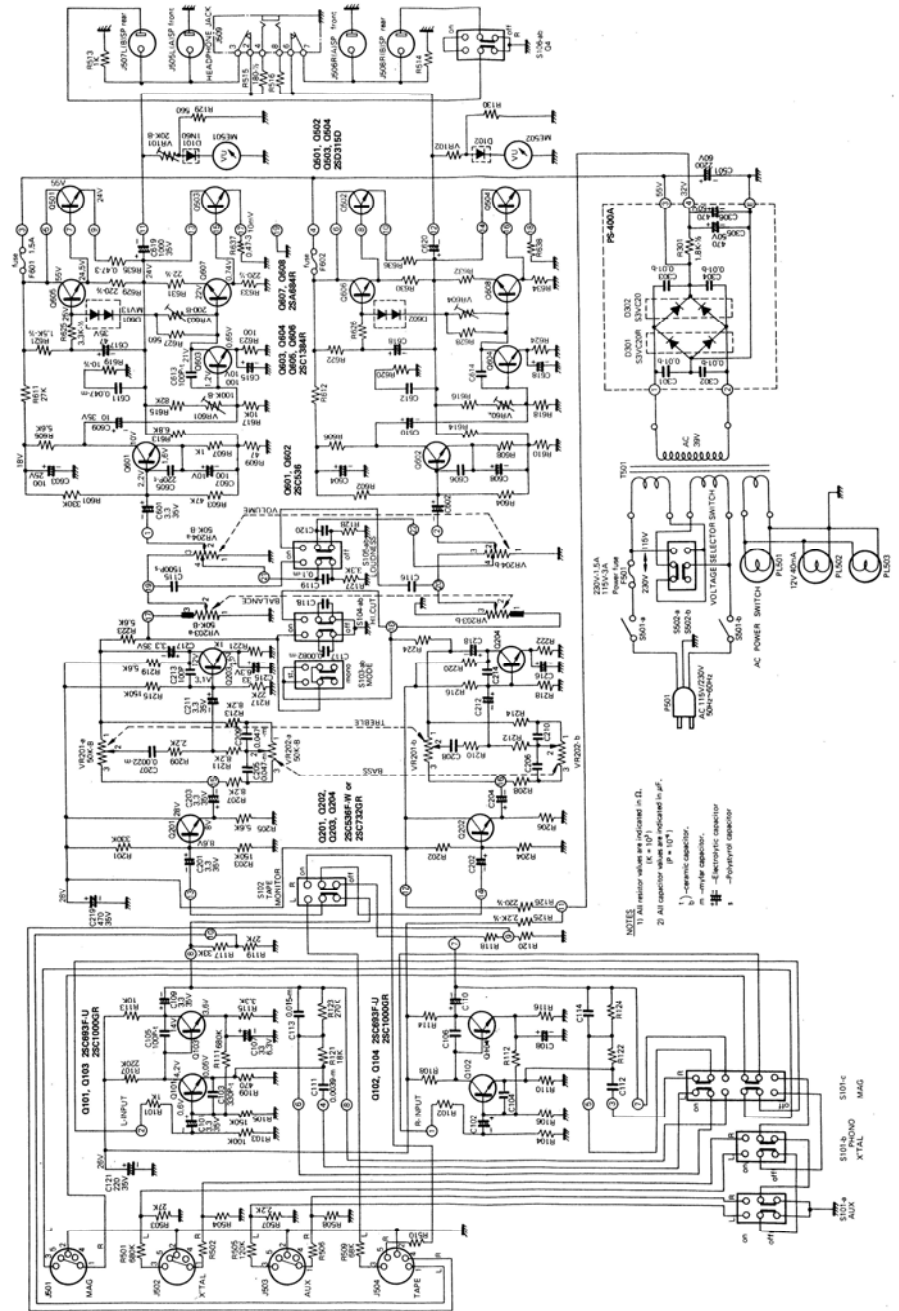


Fig. 6

SCHEMATIC DIAGRAM



NOTE:
 1) All resistor values are indicated in Ω.
 (K = 10³) (M = 10⁶)
 2) All capacitor values are indicated in pF.
 (μ = 10⁶)
 C = ceramic capacitor.
 m = mica capacitor.
 E = electrolytic capacitor.
 # = electrolytic capacitor.

(Standard Parts Resistors, Capacitors are not listed here.)

COMPONENT DIAGRAM(TOP VIEW)

