

### POWER AMPLIFIER SECTION

60 watts per channel, minimum RMS, at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.02% total harmonic distortion.

- Both Channel Driven
- Dynamic Power Output: 60 + 60 watts 8 ohms at 1,000 Hz; 90 + 90 watts 4 ohms at 1,000 Hz
- Total Harmonic Distortion: 0.02% at rated power into 8 ohms; 0.02% at 1 watt into 8 ohms; 0.01% at rated power into 8 ohms
- Frequency Response: 5 Hz to 45,000 Hz; D.C. to 100,000 Hz +0 dB, -1.5 dB
- Signal to Noise Ratio: 120 dB (short circuited); 50 at 8 ohms
- Damping Factor: Accept 4 ohms to 16 ohms

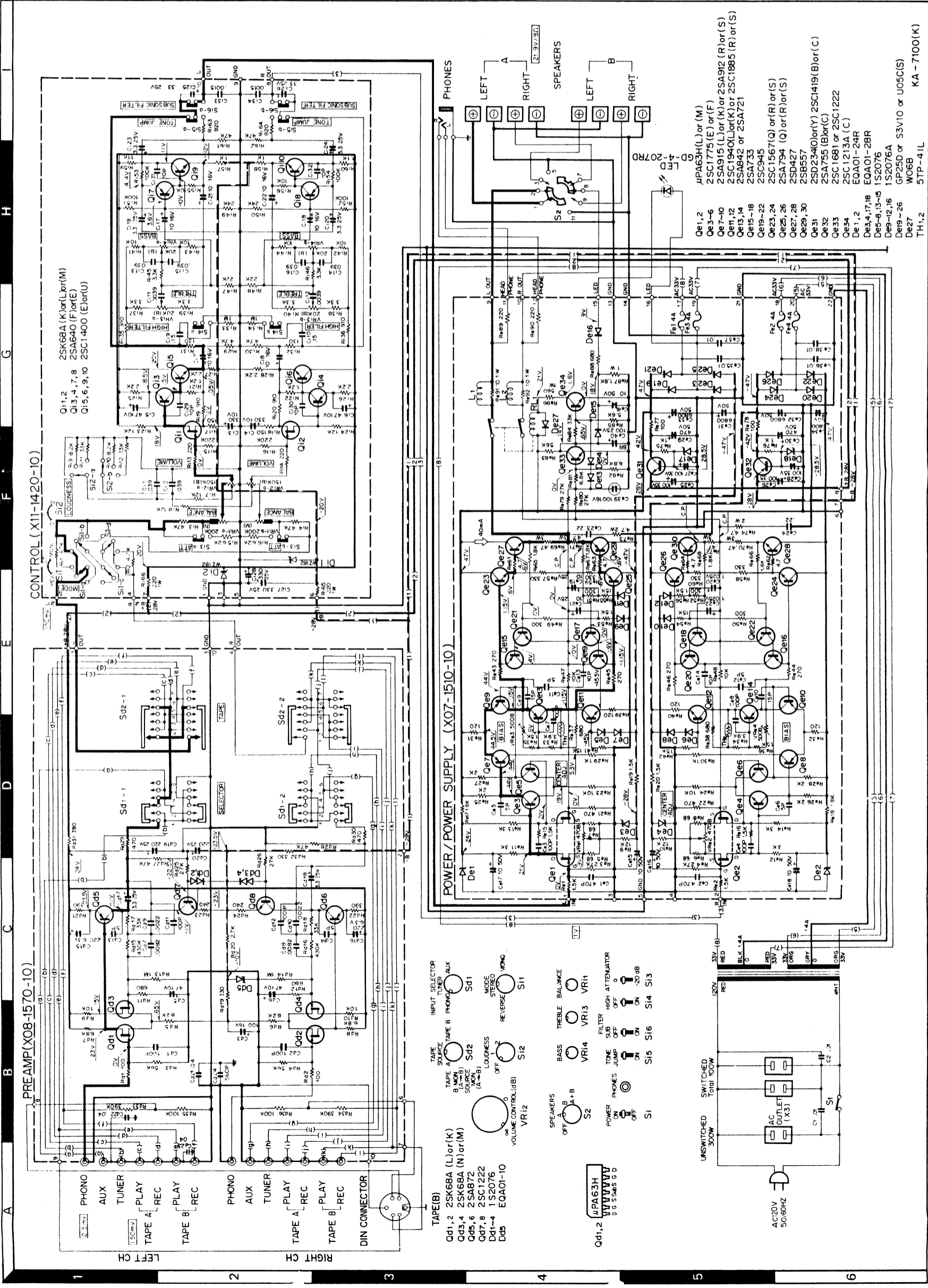
### PRE AMPLIFIER SECTION

- Input Sensitivity/Impedance/Signal to Noise Ratio (IHF A curve):
  - Phono: 2.5 mV/ 50 k ohm/ 80 dB
  - Tuner: 150 mV/ 50 k ohm/ 110 dB
  - AUX: 150 mV/ 50 k ohm/ 110 dB
  - Tape: 200 mV (rms), T.H.D. 0.02% at 1,000 Hz
- Maximum Input Level for Phono: 150 mV/ 450 ohms
- Output Level/Impedance: 30 mV/ 80 k ohms
- Frequency Response: RIAA standard curve +0.2 dB, -0.2 dB; 10 Hz to 100,000 Hz +0 dB, -1.8 dB
- Tape REC (pin): 30 mV/ 80 k ohms
- Frequency Response: 7.5 dB at 100 Hz; +3 dB at 10,000 Hz
- Phono AUX & Tape: +6 dB at 100 Hz; 20 Hz, 6 dB/oct; 8 kHz, 6 dB/oct
- Volume Control: 7.5 dB at 100 Hz; +3 dB at 10,000 Hz
- Bass: +6 dB at 100 Hz; 20 Hz, 6 dB/oct; 8 kHz, 6 dB/oct
- Treble: 7.5 dB at 100 Hz; +3 dB at 10,000 Hz
- Loudness Control (-30 dB): 7.5 dB at 100 Hz; +3 dB at 10,000 Hz

### GENERAL

- Power Consumption: 460 watts at full power; Switched 2, Unswitched 1
- A.C. Outlet: W 16.15/16" (430 mm); H 5.7/8" (149 mm); D 14.15/16" (379 mm)
- Dimensions: 25.4 lbs. (11.5 kg)
- Weight (Net): 25.4 lbs. (11.5 kg)
- Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.
- Note: Specifications and the design subject to possible modification without notice due to improvements.





PREAMP (X08-1570-10)

CONTROL (X11-1420-10)

POWER / POWER SUPPLY (X07-1510-10)

**POWER AMPLIFIER SECTION**

**POWER OUTPUT**

60 watts per channel, minimum RMS, at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.02% total harmonic distortion.

- Both Channel Driven
- Dynamic Power Output: 60 + 60 watts 8 ohms at 1,000 Hz
- Total Harmonic Distortion: 250 watts 4 ohms at 1,000 Hz
- Intermodulation Distortion: 0.02% at rated power into 8 ohms
- Frequency Response: 0.01% at rated power into 8 ohms
- Signal to Noise Ratio: 5 Hz to 45,000 Hz
- Damping Factor: D.C. to 100,000 Hz +0 dB, -1.5 dB
- Speaker Impedance: 120 dB (short circuited)

**PRE AMPLIFIER SECTION**

- Input Sensitivity/Impedance/Signal to Noise Ratio (IHF A curve)
- Phono: 2.5 mV/ 50 k ohms/ 80 dB
- Tuner: 150 mV/ 50 k ohms/ 110 dB
- AUX: 150 mV/ 50 k ohms/ 110 dB
- Tape: 200 mV (rms), T.H.D. 0.02% at 1,000 Hz
- Frequency Response: 150 mV/ 450 ohms
- Phono: 30 mV 80 k ohms
- AUX & Tape: RIAA standard curve +0.2 dB, -0.2 dB
- Tone Control: 10 Hz to 100,000 Hz +0 dB, -1.8 dB
- Subsonic Filter: +7.5 dB at 100 Hz
- High Filter: +3 dB at 100 Hz

- GENERAL
- Power Consumption: 460 watts at full power
- A.C. Outlet: Switched 2, Unswitched 1
- Dimensions: W 16-15/16" (430 mm), H 5-7/8" (149 mm), D 14-15/16" (379 mm)
- Weight (Net): 25.4 lbs. (11.5 kg)

Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier.

Note: Specifications and the design subject to possible modification without notice due to improvements.

- 2SA745, 2SA747, 2SB557, 2SC1116, 2SC1403, 2SD427, 2SA755, 2SB595, 2SC1419, 2SD234, 2SD525
- 2SA912, 2SA915, 2SA916, 2SA917, 2SA918, 2SA919, 2SA920, 2SA921, 2SA922, 2SA923, 2SA924, 2SA925, 2SA926, 2SA927, 2SA928, 2SA929, 2SA930, 2SA931, 2SA932, 2SA933, 2SA934, 2SA935, 2SA936, 2SA937, 2SA938, 2SA939, 2SA940, 2SA941, 2SA942, 2SA943, 2SA944, 2SA945, 2SA946, 2SA947, 2SA948, 2SA949, 2SA950, 2SA951, 2SA952, 2SA953, 2SA954, 2SA955, 2SA956, 2SA957, 2SA958, 2SA959, 2SA960, 2SA961, 2SA962, 2SA963, 2SA964, 2SA965, 2SA966, 2SA967, 2SA968, 2SA969, 2SA970, 2SA971, 2SA972, 2SA973, 2SA974, 2SA975, 2SA976, 2SA977, 2SA978, 2SA979, 2SA980, 2SA981, 2SA982, 2SA983, 2SA984, 2SA985, 2SA986, 2SA987, 2SA988, 2SA989, 2SA990, 2SA991, 2SA992, 2SA993, 2SA994, 2SA995, 2SA996, 2SA997, 2SA998, 2SA999, 2SA1000