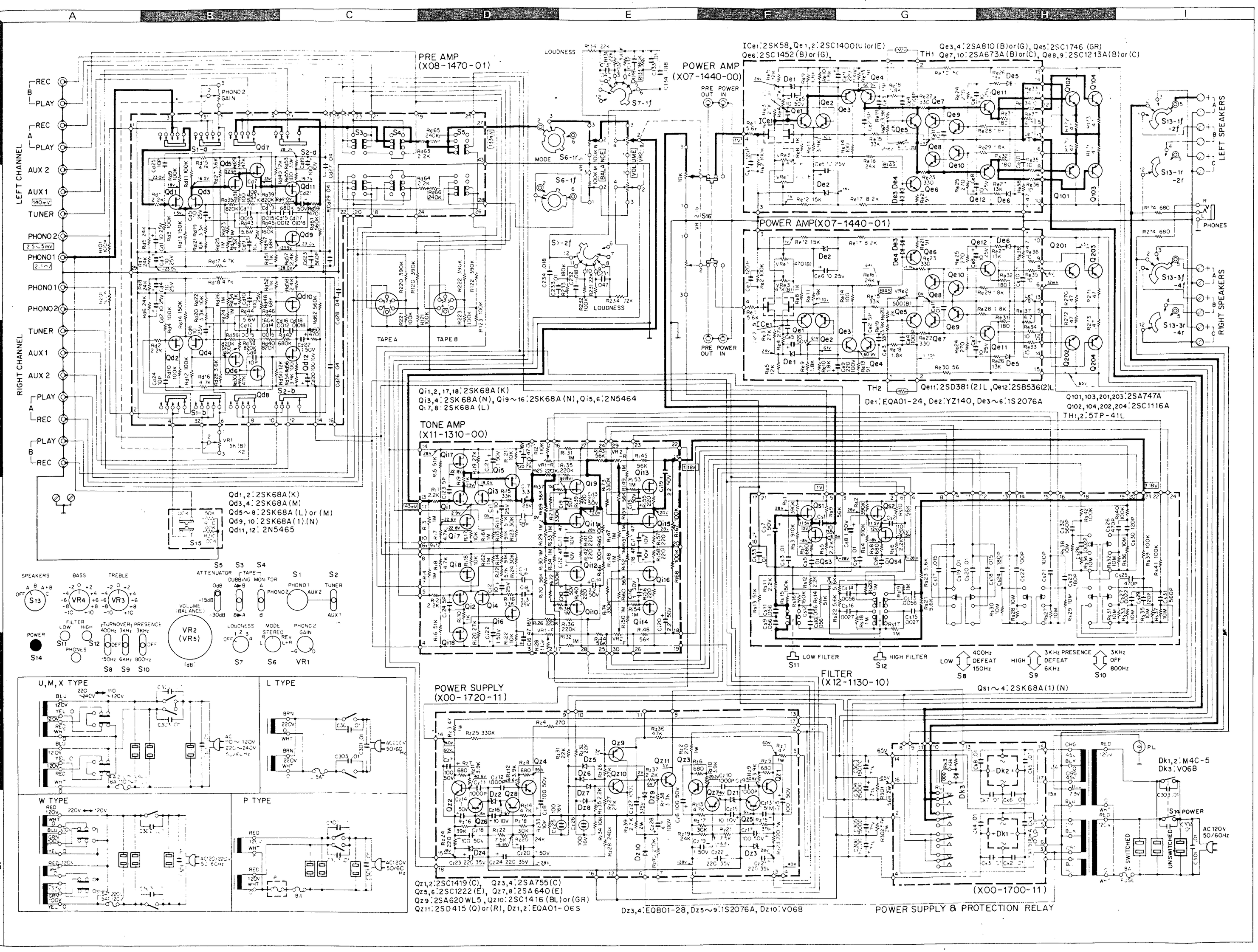
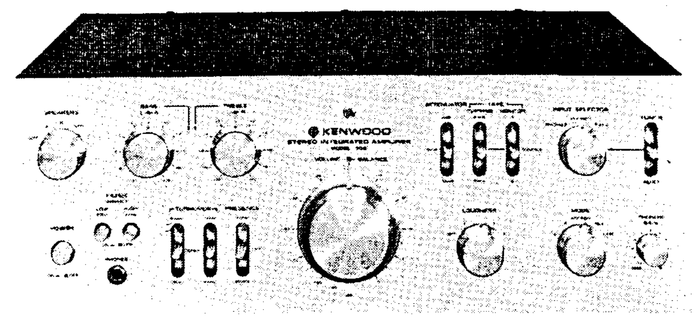
KENWOOD

STEREO INTEGRATED AMPLIFIER

MODEL-500





SPECIFICATIONS

POWER AMPLIFIER

Power Output:	100 watts per channel minimum, RMS at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.08% total harmonic distortion
Both Channel Driven:	110 watts per channel into 8 ohms at 1,000 Hz 135 watts per channel into 4 ohms at 1,000 Hz
Dynamic Power Output:	520 watts into 4 ohms
Total Harmonic Distortion:	0.08% at rated power into 8 ohms 0.03% at 1 watt power into 8 ohms from 20 Hz to 20,000 Hz
Intermodulation Distortion: (60 Hz : 7,000 Hz 4 : 1)	0.08% at rated power into 8 ohms 0.03% at 1 watt power into 8 ohms
Power Bandwidth:	5 Hz ~ 50,000 Hz
Frequency Response:	DC to 70,000 Hz +0 dB, −1.0 dB
Damping Factor:	50 at 8 ohms
Speaker Impedance:	Accept 4 ohms to 16 ohms
Signal to Noise Ratio (IHF A):	110 dB (Short circuited)
Input Sensitivity, Impedance:	1.0V 100 kohms

PREAMPLIFIER SECTION

Input Sensitivity, Impedance & S/N (IHF A)

Phono 1:	2.5mV	30, 50 kohms	76 dB	(5 mV)
Phono 2:	2.5 ~ 5.0 mV	50 kohms	76 dB	(5 mV)
Tuner:	140mV	50 kohms	90 dB	
Aux 1,2:	140mV	50 kohms	90 dB	
Tape Play A, B:	140mV	50 kohms	90 dB	

Maximum Input Level:

Phono:	220mV (rms) T.H.D. 0.08% at 1,000 Hz

Output Voltage

Tape Rec (pin):	140mV
(DIN):	30mV 80 kohms

Frequency Response

Phono:	RIAA standard curve ±0.2 dB
Aux, Tape Play:	5 Hz ~ 50,000 Hz $^{+0}_{-1.0}$ dB

Tone Controls

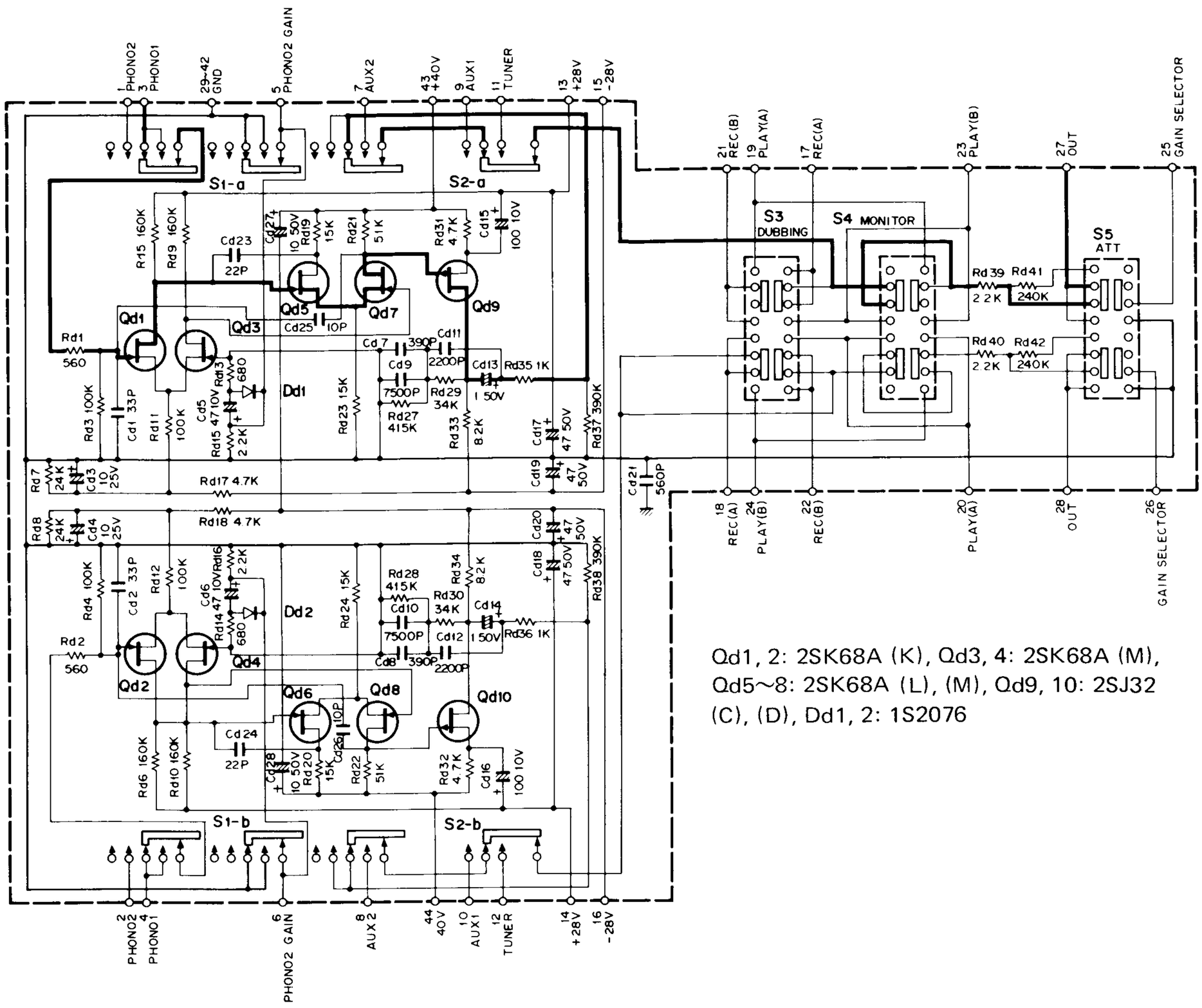
Bass	150 Hz:	±7.5 dB at 40 Hz
	400 Hz:	±7.5 dB at 100 Hz
Treble	3 kHz:	±7.5 dB at 10,000 Hz
	6 kHz:	±7.5 dB at 20,000 Hz

Loudness Control (−30 dB):	1: +2 dB at 100 Hz 2: +4 dB at 100 Hz 3: +6 dB at 100 Hz 4: −8 dB at 100 Hz +3 dB at 10,000 Hz
Low Filter:	40 Hz, 12 dB/oct
High Filter:	8,000 Hz, 12 dB/oct
Presence: 800 Hz:	+6 dB
Presence: 3 kHz:	+6 dB

GENERAL

Power Requirement:	50/60 Hz 110~120V, 220~240V
Power Consumption:	680 watts at full power
AC outlet:	Switched 2, Unswitched 1
Dimensions:	W 17-5/16" (440 mm) H 6-1/16" (154 mm) D 15-9/32" (388 mm)
Weight (Net):	44.4 lbs. (20.2 kg)

NOTE: The preamp unit is changed from (X08-1470-01) to (X08-1560-10).
Application: Serial Number 430001 and above.



Qd1, 2: 2SK68A (K), Qd3, 4: 2SK68A (M), Qd5~8: 2SK68A (L), (M), Qd9, 10: 2SJ32 (C), (D), Dd1, 2: 1S2076