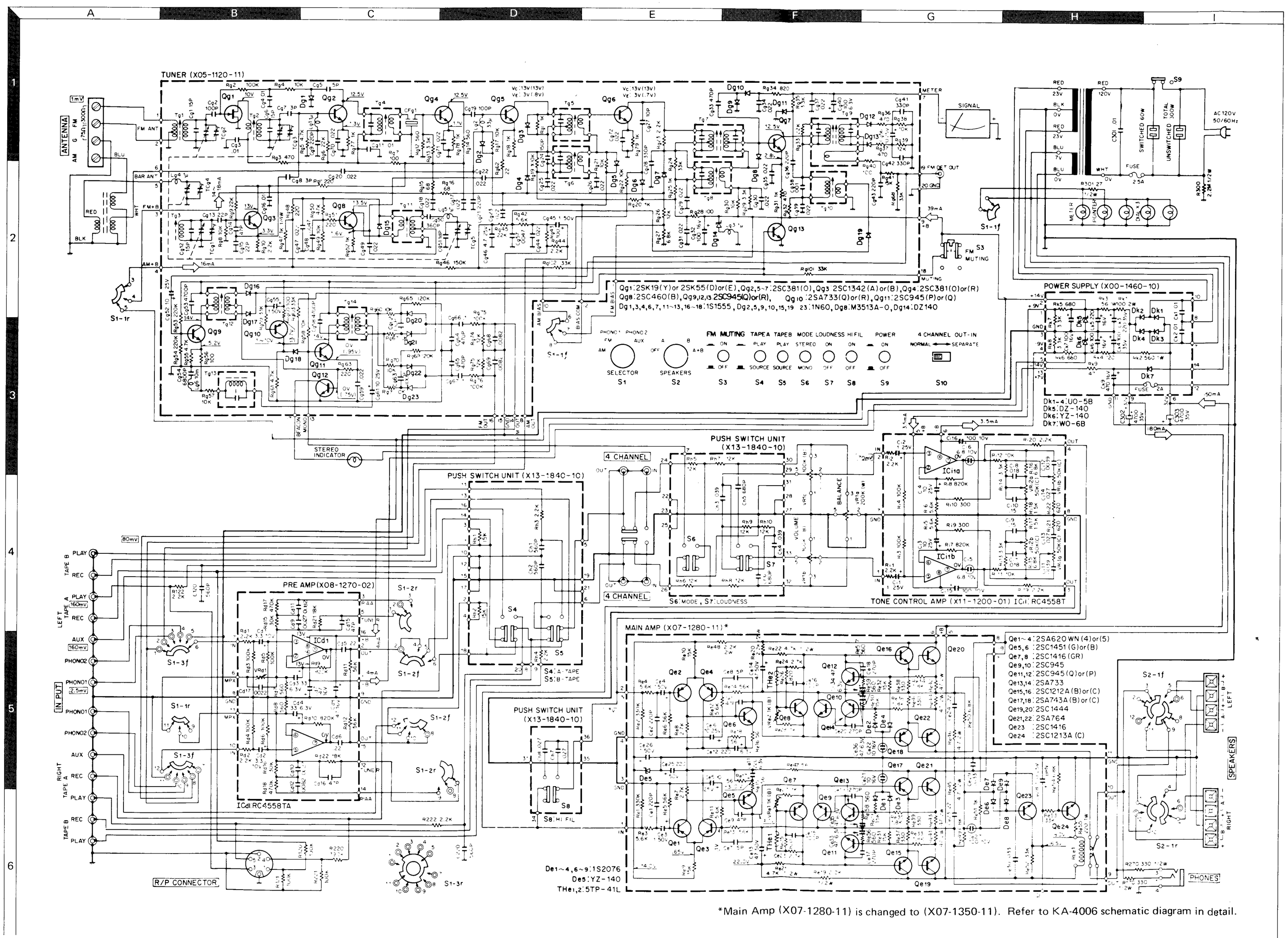
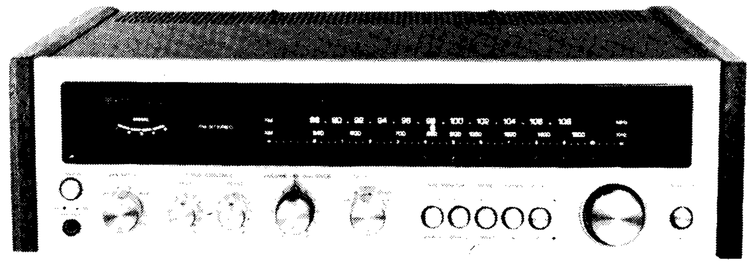
KENWOOD

AM-FM STEREO RECEIVER

KR-4400



*Main Amp (X07-1280-11) is changed to (X07-1350-11). Refer to KA-4006 schematic diagram in detail.



SPECIFICATIONS

FM TUNER SECTION

Frequency Range	88 MHz to 108 MHz 87.5 MHz to 108 MHz (FTZ approved)
Usable Sensitivity (IHF)	2.1 μV
Quieting Slope	5 μV 45 dB, 10 μV 60 dB, 50 μV 65 dB
Frequency Response	20 Hz ~ 15,000 Hz $^{+0.5}_{-2.0}$ dB
Harmonic Distortion	0.4% Mono (at 400 Hz 100% modulation) 0.6% Stereo (at 400 Hz 100% modulation)
Signal to Noise Ratio	65 dB at 1 mV input
Image Rejection	60 dB
Selectivity (IHF ALT channel)	55 dB
IF Rejection	85 dB
Spurious Signal Rejection	80 dB
AM Suppression	50 dB
Capture Ratio	2.0 dB
Stereo Separation	35 dB at 1,000 Hz
Sub Carrier Suppression	50 dB
Antenna Impedance	300 ohms Balanced & 75 ohms Unbalanced

AM TUNER SECTION

Usable Sensitivity (IHF)	20 μV
Signal to Noise Ratio	45 dB at 1 mV input
Image Rejection	50 dB
Selectivity (IHF)	28 dB
IF Rejection	35 dB
Antenna	Built in ferrite bar antenna, External antenna terminals

MAIN AMPLIFIER SECTION

RMS Power Output	
Both channels driven	25 W x 2 into 8 ohms at 20 Hz ~ 20,000 Hz 27 W x 2 into 8 ohms at 1,000 Hz 33 W x 2 into 4 ohms at 1,000 Hz
Dynamic Power Output	90 watts into 8 ohms 130 watts into 4 ohms
Total Harmonic Distortion	0.5% at rated power into 8 ohms 0.08% at 1/2 rated power into 8 ohms at 1,000 Hz
Inter Modulation Distortion (60 Hz : 7 kHz = 4 : 1)	0.5% at rated power into 8 ohms 0.08% at 1/2 rated power into 8 ohms
Power Bandwidth	10 Hz ~ 30,000 Hz
Signal to Noise Ratio at 50 mW	55 dB
Damping Factor	30 at 8 ohms
Speaker Impedance	Accept 4 ohms to 16 ohms

PRE-AMPLIFIER SECTION

Input Sensitivity and Impedance	
Phono 1	2.5 mV, 50 Kohms
Phono 2	2.5 mV, 50 Kohms
AUX	150 mV, 45 Kohms
Tape Play A, B	150 mV, 45 Kohms
Maximum Input Voltage (rms)	
Phono 1, 2	120 mV T.H.D. 0.5% at 1,000 Hz
Signal to noise Ratio (IHF A CURVE)	
Phono 1, 2	70 dB
AUX	90 dB
Tape Play A, B	90 dB
Output Voltage and Impedance	
Tape Rec. A, B (Pin)	150 mV, 100 ohms
(Din connector)	30 mV, 80 Kohms
4-CH OUT	150 mV
Frequency Response	
Phono 1, 2	RIAA Standard curve ±1.5 dB
AUX, Tape Play	10 Hz ~ 40,000 Hz +1.5 dB
Tone Controls	
Bass	±10 dB at 100 Hz
Treble	±10 dB at 10,000 Hz
Loudness Control (−30 dB)	+8 dB at 100 Hz +5 dB at 10,000 Hz
Noise Filter	10 dB at 10,000 Hz

GENERAL

Switches	
Speaker Selector	OFF, A, B, A + B
Input Selector	AM FM PHONO 1 PHONO 2 AUX
Mode	MONO STEREO
Tape Monitor	A (ON SOURCE), B (ON SOURCE)
Others	NOISE FILTER, FM MUTING, LOUDNESS, PHONES JACK
AC Outlet	Switched 1, Unswitched 1
Power Consumption	210 watts at full power 30 watts at no signal
Dimension	W 18 15/16" (480 mm), H 5 3/8" (137 mm), D 13 9/16" (344 mm)
Weight	22.3 lbs (10 kg) 19.8 lbs (9 kg) (Europe & Scandinavia)