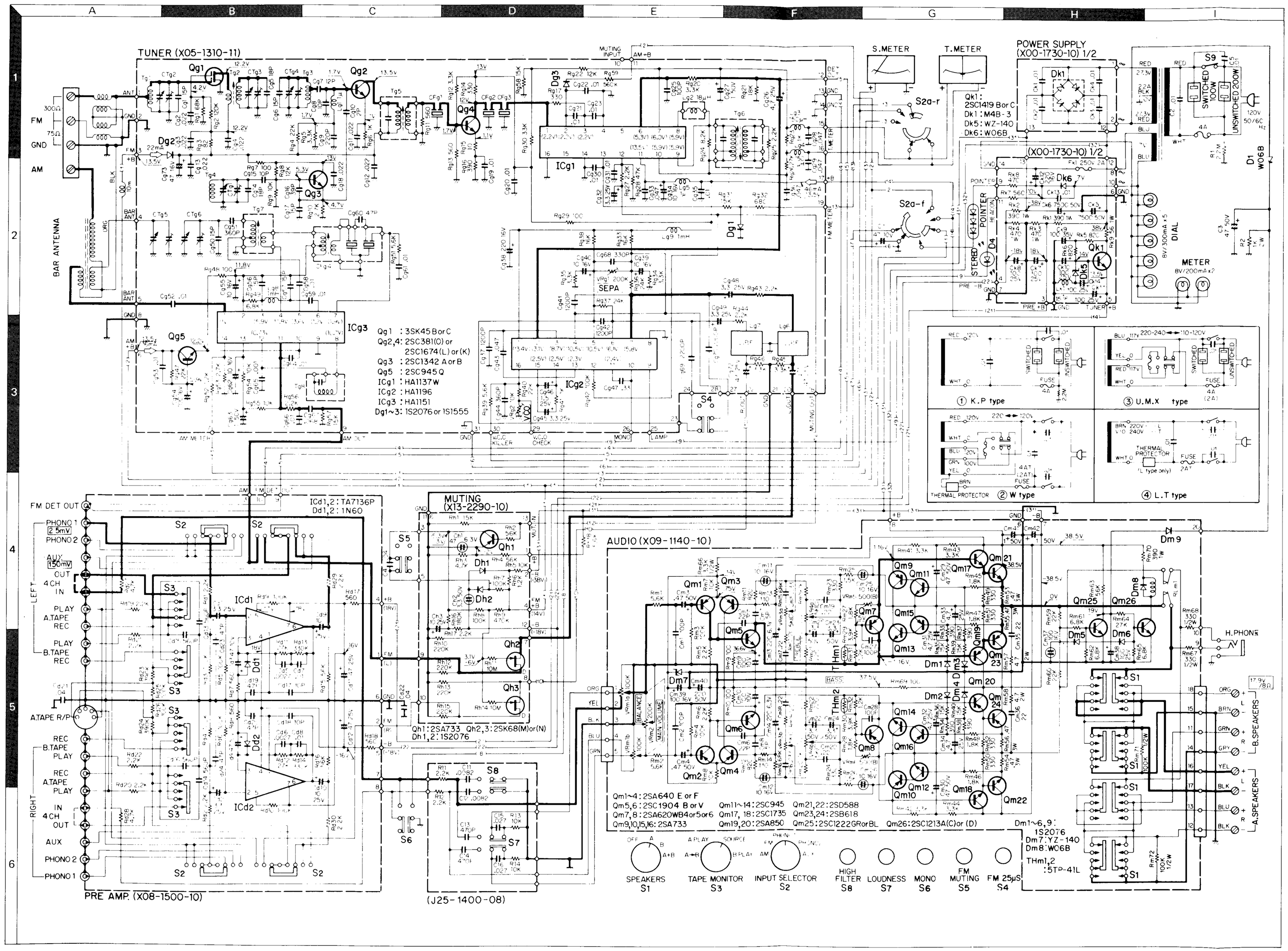
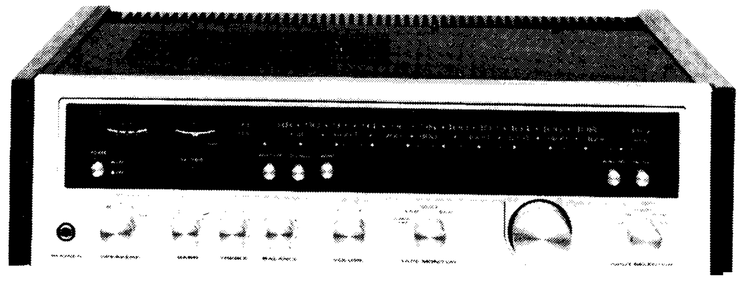
KENWOOD

AM-FM STEREO RECEIVER

KR-5600 ①





SPECIFICATIONS

FM TUNER SECTION (IHF)

Usable Sensitivity	1.8 μV
50 dB Quieting Sensitivity	3.0 (Mono)
	37 μV (Stereo)
Signal to Noise Ratio at 1 mV	75 dB (Mono)
	70 dB (Stereo)
T.H. Distortion at 1 mV	0.15% (Mono)
	0.25% (Stereo)
Frequency Response	20 Hz to 15,000 Hz +0.5 dB, −1.5 dB
Capture Ratio	1.5 dB
Alternate Channel Selectivity	80 dB
Spurious Response Ratio	85 dB
Image Response Ratio	85 dB
IF Response Ratio (Balanced)	100 dB
AM Suppression Ratio	65 dB
Stereo Separation	40 dB at 1,000 Hz, 35 dB from 50 Hz to 10,000 Hz
Subcarrier Product Ratio	40 dB
Antenna Impedance	300 ohms balanced and 75 ohms unbalanced
FM Frequency Range	88 MHz to 108 MHz 88.5 MHz to 108 MHz (FTZ approved)

AM TUNER SECTION

Usable Sensitivity (IHF)	20 μV
Signal to Noise Ratio	50 dB
Image Rejection	45 dB
Selectivity (IHF)	35 dB
IF Rejection	35 dB

POWER AMPLIFIER SECTION

40 watts per channel minimum, RMS at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.5% total harmonic distortion.

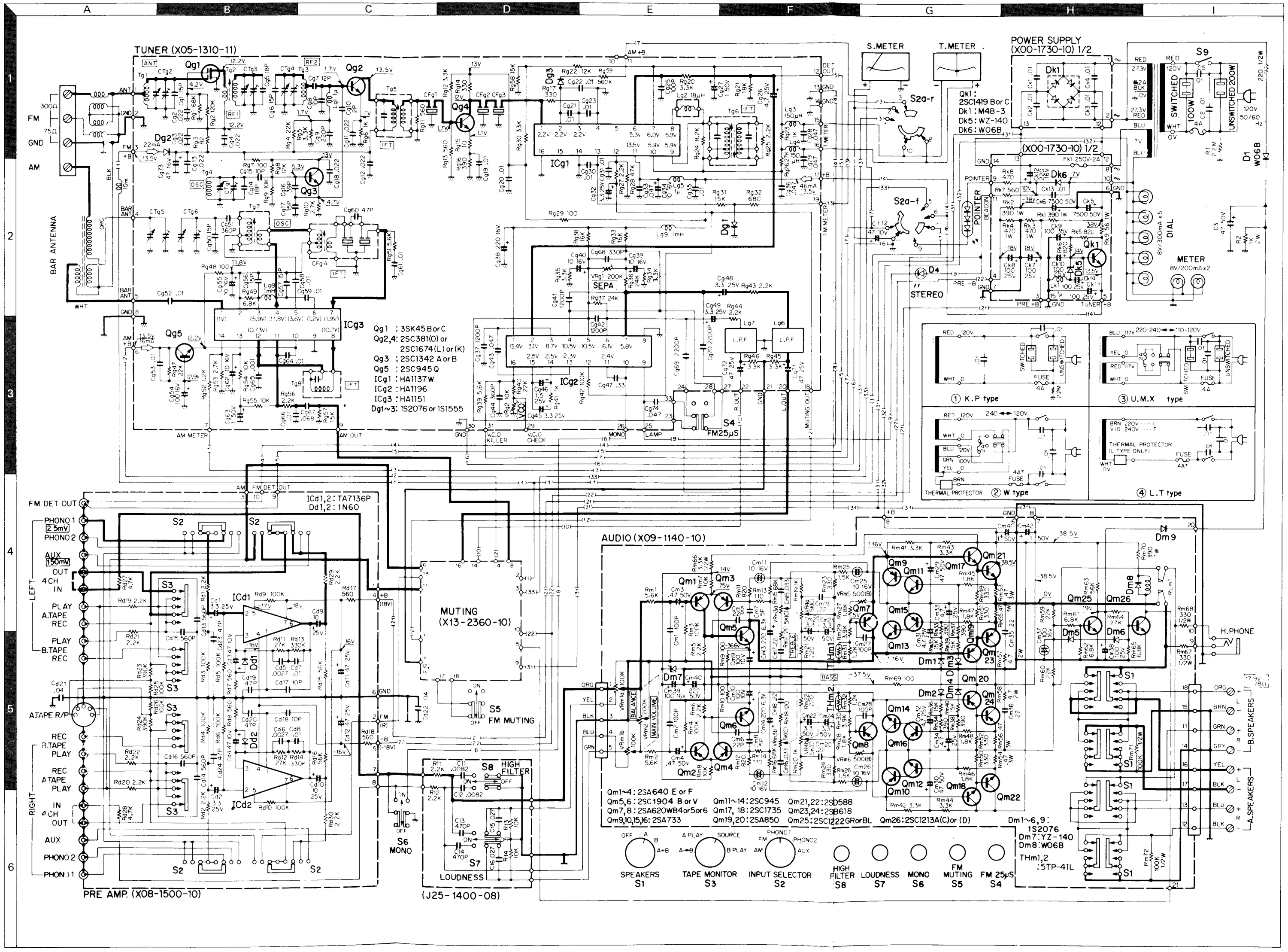
Both Channel Driven	43+43 watts 8 ohms at 1,000 Hz 48+48 watts 4 ohms at 1,000 Hz
Dynamic Power Output	120 watts (8 ohms), 165 watts (4 ohms)
Total Harmonic Distortion	0.5% at rated power into 8 ohms 0.06% at 1/2 rated power into 8 ohms at 1,000 Hz
Intermodulation Distortion (60 Hz : 7 kHz 4 : 1)	0.5% at rated power into 8 ohms 0.15% at 1/2 rated power into 8 ohms
Power Bandwidth	7 Hz to 35,000 Hz
Damping Factor	35 at 8 ohms
Speaker Impedance	Accept 4 ohms to 16 ohms

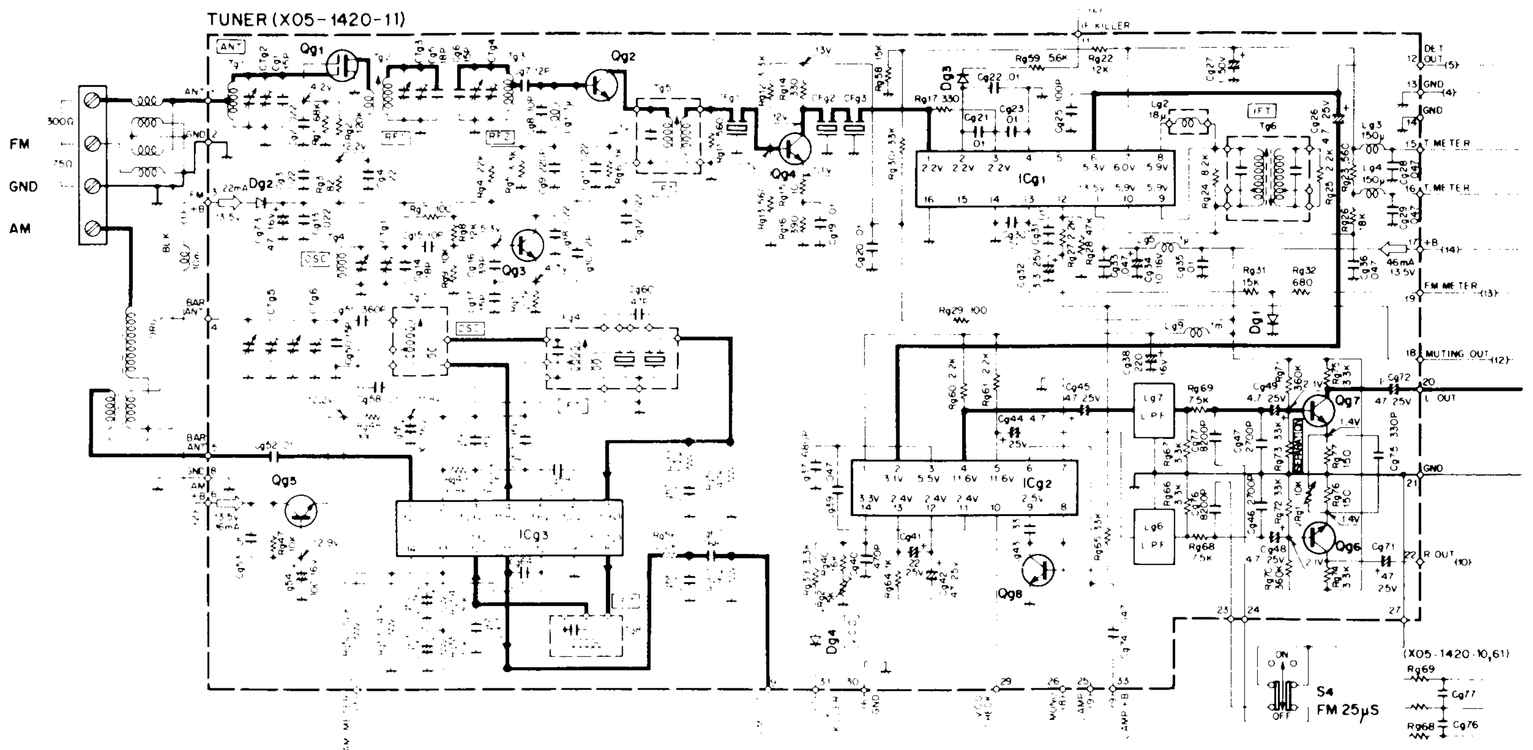
PRE-AMPLIFIER SECTION

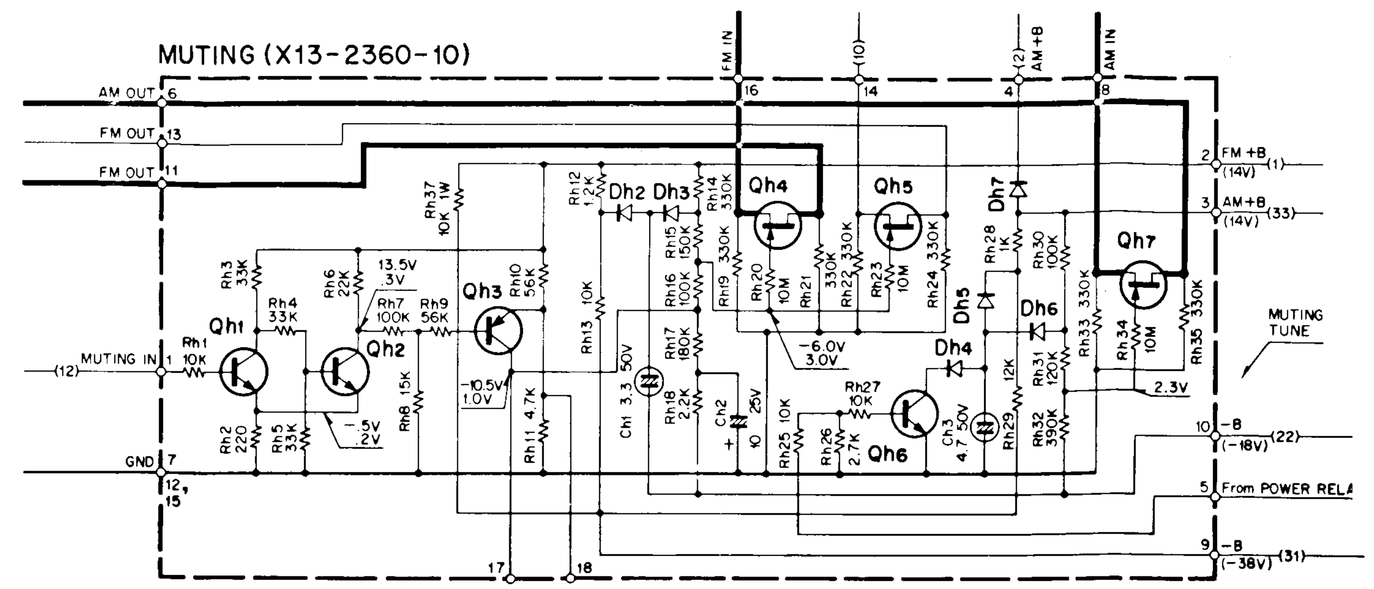
Input Sensitivity/Impedance/Signal to Noise Ratio (IHF A CURVE)	
Phono 1, 2	2.5 mV/50k ohms/70 dB
AUX	150 mV/45k ohms/90 dB
Tape	150 mV/45k ohms/90 dB
Maximum Input Level	
Phono	170 mV (rms) T.H.D. 0.1% at 1,000 Hz
Output Level/Impedance	
Tape REC (Pin)	150 mV/100 ohms
(Din)	30 mV/80k ohms
Frequency Response	
Phono	RIAA standard curve ±0.5 dB
Aux and Tape	20 Hz to 50,000 Hz. +0.6 dB, −1.0 dB
Tape Control	
Base	±8 dB at 100 Hz
Treble	±8 dB at 10,000 Hz
Loudness Control (−30 dB)	+8 dB at 100 Hz, +5 dB at 10,000 Hz
High Filter	−10 dB at 10 kHz, 6 dB/oct

GENERAL

Power Requirement	AC 50/60 Hz 110~120V, 220~240V
Power Consumption	300 watts at full power
AC Outlet	Switched 1, Unswitched 1
Dimensions	W 20-1/2" (500mm) H 5-11/16" (140mm) D 13-5/8" (334mm) (Knob +25mm)
Weight	24.64 lbs. (11.2 kg)


TUNER (X05-1310-11)
Qg1 : 3SK45 B or C
Qg2,4: 2SC381(O) or 2SC1674(L) or (K)
Qg3 : 2SC1342 A or B
Qg5 : 2SC945 Q
ICg1 : HA1137W
ICg2 : HA1196
ICg3 : HA1151
Dg1~3: 1S2076 or 1S1555
S.METER
T.METER
POWER SUPPLY (X00-1730-10) 1/2
Qk1: 2SC1419 B or C
Dk1 : M4B-3
Dk5 : WZ-140
Dk6 : W06B
(X00-1730-10) 1/2
SWITCHED 100W
UNSWITCHED 200W
DIAL
METER 8V/200mA x2
BAR ANTENNA
STEREO
① K.P type
② W type
③ U.M.X type
④ L.T type
THERMAL PROTECTOR (L TYPE ONLY)
ICd1,2 : TA7136P
Dd1,2 : 1N60
AUDIO (X09-1140-10)
MUTING (X13-2360-10)
S5 FM MUTING
S6 MONO
S7 LOUDNESS
S8 HIGH FILTER
(J25-1400-08)
PRE AMP. (X08-1500-10)
Qm1~4 : 2SA640 E or F
Qm5,6 : 2SC1904 B or V
Qm7,8 : 2SA620WB4 or 5 or 6
Qm9,10,15,16 : 2SA733
Qm11~14 : 2SC945
Qm17, 18 : 2SC1735
Qm19,20 : 2SA850
Qm21,22 : 2SD588
Qm23,24 : 2SB618
Qm25 : 2SC1222GR or BL
Qm26 : 2SC1213A(C) or (D)
Dm1~6,9 : 1S2076
Dm7 : YZ-140
Dm8 : W06B
THm1,2 : STP-41L
SPEAKERS S1
TAPE MONITOR S3
INPUT SELECTOR S2
HIGH FILTER S8
LOUDNESS S7
MONO S6
FM MUTING S5
FM 25μS S4
H.PHONE
A.SPEAKERS
B.SPEAKERS

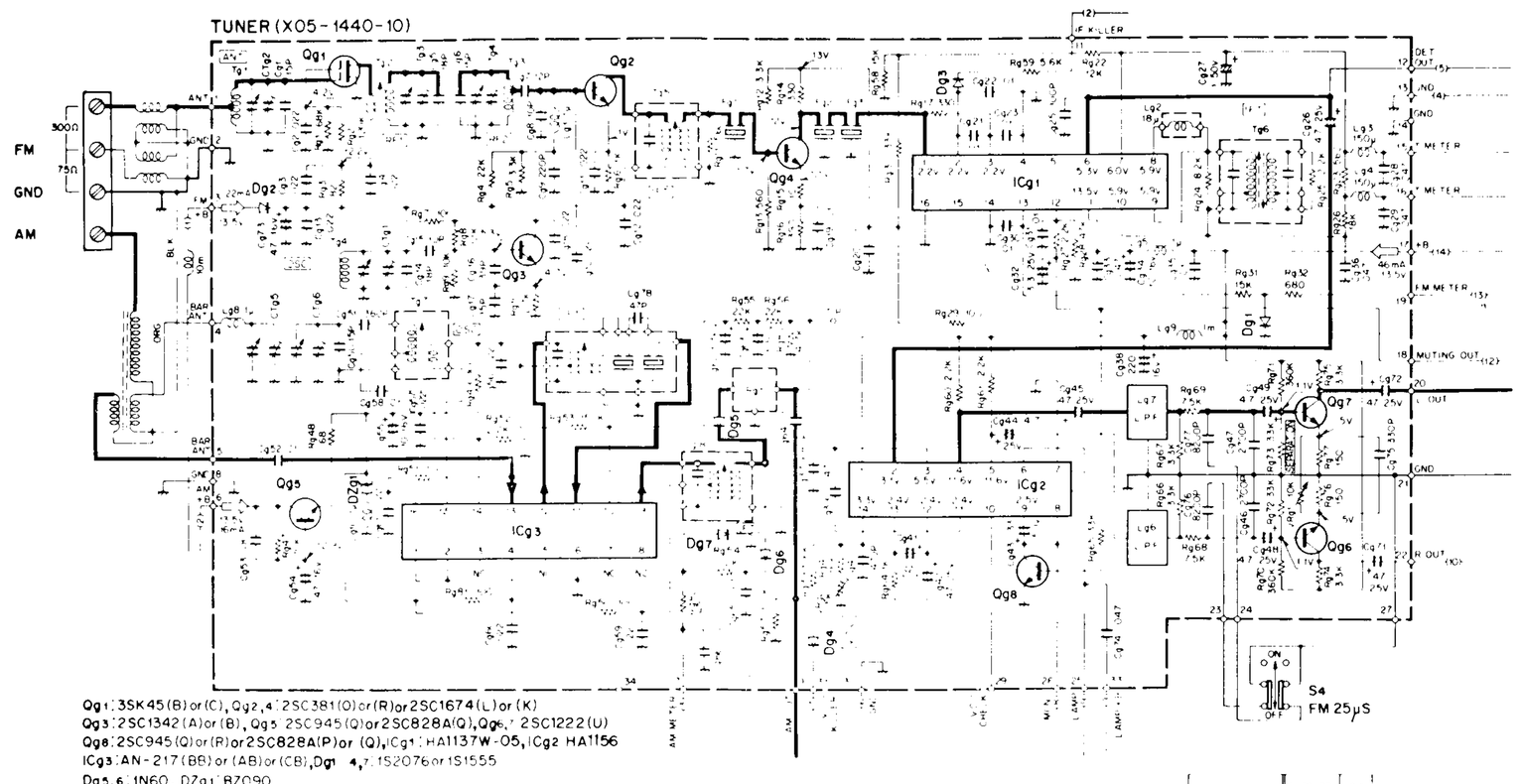




Qh1, 2, 6 : 2SC945
Qh3 : 2SA733
Qh4, 5, 7 : 2SK68 (M) or (N)
Dh2, 3 : 1S2076
Dh4~7 : 1S2076 A

There are 12 kinds of tuner units employed in KR-4600 and -5600 as the right table. X05-1310-XX was described already in KR-4600 and -5600 service manual. KR-4600 is not provided with FM-25μS switch (S4). And then, muting circuit is changed into X13-2360-10 or -11.

Model	Destination Type	Unit	Model	Destination Type	Unit
KR-4600	K P U M	X05-1310-10 X05-1420-10 X05-1440-10	KR-5600	K P U M	X05-1310-11 X05-1420-11 X05-1440-11
	T W X L	X05-1310-61 X05-1420-61 X05-1440-61		T W X L	X05-1310-12 X05-1420-12 X05-1440-62



	Cg76, 77	S4
X05-1440-10	8200P	NO
X05-1440-11	8200P	YES
X05-1440-61	4700P	NO
X05-1440-62	4700P	YES

Qg1 : 3SK45(B) or (C), Qg2, 4 : 2SC381(O) or (R) or 2SC1674(L) or (K)
Qg3 : 2SC1342(A) or (B), Qg5 : 2SC945(Q) or 2SC828A(Q), Qg6, 7 : 2SC1222(U)
Qg8 : 2SC945(Q) or (R) or 2SC828A(P) or (Q), ICg1 : HA1137W-05, ICg2 : HA1156
ICg3 : AN-217(BB) or (AB) or (CB), Dg1, 4, 7 : 1S2076 or 1S1555
Dg5, 6 : 1N60, DZg1 : BZ090