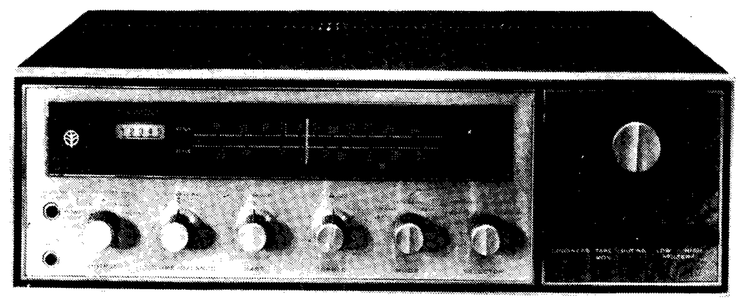
KENWOOD

SOLID STATE AM-FM STEREO RECEIVER

KR-100



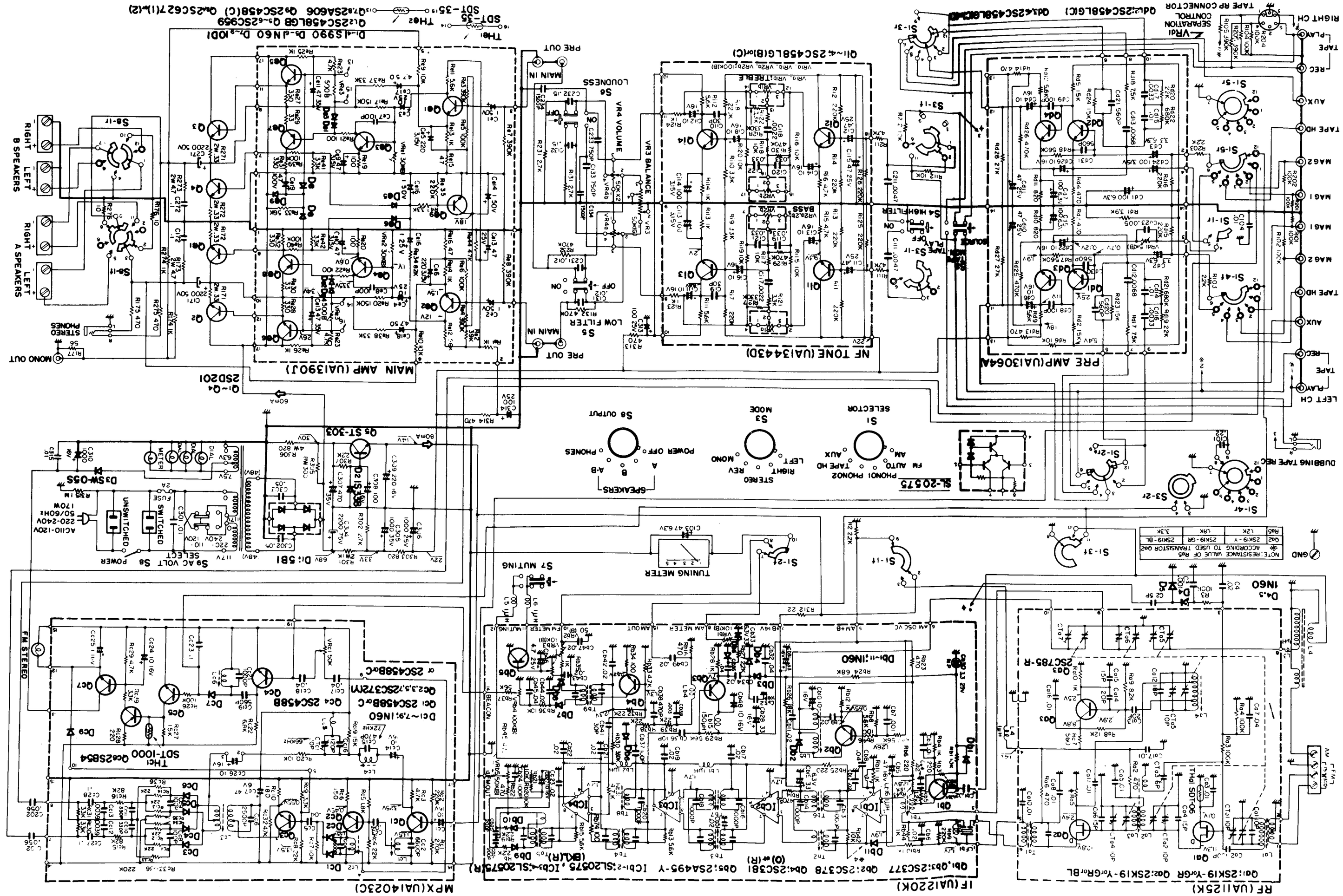
SPECIFICATIONS

AMPLIFIER SECTION :

Total Music Power (IHF):	140 watts at 4 ohms 110 watts at 8 ohms
Continuous Power :	
Each Channel Driven:	50/50 watts at 4 ohms 40/40 watts at 8 ohms
Both Channel Driven:	33/33 watts at 8 ohms
Distortion:	
Harmonic Distortion:	Less than .5% at rated output
Intermodulation Distortion:	Less than .5% at rated output Less than .2% at – 3 dB rated output
Frequency Response:	
Main Input:	13 to 70,000 Hz (±1.5 dB)
High Level Input:	20 to 30,000 Hz (±1.5 dB)
Power Bandwidth (IHF):	18 Hz to 30,000 Hz
Channel Separation:	Better than 50 dB
Input Sensitivity (for rated output)	MAG . . . . 2.5 mV Tape HD . . . . 3.5mV AUX . . . . . 160 mV Tape play . . . . (pin) 160 mV Tape play (DIN) 160 mV Main . . . 100 mV
Recording Output :	(pin) 160 mV (Dubbing) 160 mV (DIN) 32 mV
Maximum Input Signal:	180 mV (p-p 1000 Hz) at MAG input
Hum and Noise: (Below rated output)	Phono (MAG) 60 dB Tape HD 60 dB AUX 70 dB Tape Play 70 dB Noise at minimum volume control . . . Less than 1.5 mV at 8 ohms or .28 micro watts
Damping Factor:	24 at 8 ohms
Speaker Impedance:	4, 8 and 16 ohms
Bass Control:	±10 dB at 100 Hz
Treble Control:	±10 dB at 10,000 Hz
High Filter:	3,000 Hz cutoff
Low Filter:	200 Hz cutoff
Loudness Control:	+8 dB at 100 Hz, +3 dB at 10K Hz (at – 30 dB)
Output Switch:	Power off, A speaker, B speaker, A-B speakers and Phones.
Mode Switch:	Left, Right, Stereo, Rev. & Mono
Selector Switch:	AM, FM AUTO, Phono 1, Phono 2, Tape HD & Aux.
Push-Button Switch:	Loudness, Tape Monitor, Muting, Low Filter and High Filter.
Outputs:	2 pairs of stereo speaker terminals, Center channel output (low level), Pre-amp output, Tape recording output, Headphone jack, Tape Dubbing jack, AC outlet.

TUNER SECTION :

FM: Antenna Impedance:	300 ohms balanced 75 ohms unbalanced
Sensitivity (IHF):	1.8 micro Volts
Harmonic Distortion:	Less than .5% 400Hz 100% mod.
Signal To Noise Ratio:	Better than 60 dB
Capture Ratio:	2.5 dB
Image Rejection:	Better than 70 dB
Spurious Response:	Better than 90 dB
IF Rejection:	Better than 80 dB
Selectivity (Alt. channel):	45 dB
Stereo Separation:	Better than 35 dB at 1,000 Hz
FM IF Stage:	4 ICs (Integrated circuits)
FM Front-end:	2 FETs, 4 gang tuning condenser
Inter Station Muting:	Push button switch
FM Spurious Radiation:	Less than 34 dB (50 μV)
AM: Sensitivity (IHF):	15 micro Volts at 1,000 kHz
Image Rejection:	90 dB at 1,000 K Hz
Selectivity:	Better than 25 dB
Special Features:	4 IC's IF Circuit, 2 FET's 4 gang Tuning condenser Super Sensitive Front-end, Inter Station Muting Circuit, Heavy Fly-Wheel Tuning Dial, 300 ohms and 75 ohms Antenna Input, Easy-to-use Push-button, switch, U.S. pat. power Transistor Protection Circuit, Separate Pre-amp. Output and Main Amp. Input, New Luminous-Dial, Low Filter and High Filter, Tape Monitor, Dubbing Tape Recording Jack on Front Panel, Stereo Phone Jack.
Semiconductors:	4 ICs, 2 FETs, 35 Transistors, 38 Diodes, 5 Thermistors
Power Consumption:	AC 110 — 120 V / 220 — 240 V, 50/60 Hz 170 watts at full power 40 watts at no signal.
Dimensions :	Inches . . . 16½ W, 5½ H, 12¼ D.
Weight:	22.4 lbs. net weight


PRE AMP(UA1306AV)
NF TONE(UA1344AD)
MAIN AMP(UA1390J)
RF(UA1125K)
IF(UA1220K)
MPX(UA1402AC)
TUNING METER
S-METER
SPEAKERS
STEREO
MONO
POWER OFF
PHONES
TAPE REC
TAPE PLAY
DUBBING TAPE REC
TAPE RP CONNECTOR
SEPARATION CONTROL
VOLUME
BASS
TREBLE
BALANCE
LOUDNESS
HIGH FILTER
LOW FILTER
SELECTOR
MODE
SPEAKERS
AC VOLT SELECT
POWER
FM STEREO
RIGHT CH
LEFT CH
MAIN IN
PRE OUT
MONO OUT
STEREO PHONES
RIGHT A SPEAKERS
RIGHT B SPEAKERS
FM MUTING
AM OSC VC
AM AGC
FM AGC
GND
SL-20575
Q1~4:2SC458LG(B)or(C)
Q5,6:2SA606 Q7,8:2SC458(C) Q9~12:2SC562 7(1)or(2)
Q13,14:2SC458LGB Q15,16:2SC959
D1~4:S990 D5~8:N60 D9~10:D1
Q1~4 2SD201
Q5:ST-303
D1:SB1
D3:SW-05S
IC1:STK391
IC2:STK392
IC3:STK393
Q1:2SK19-Y,GR Q2:2SK19-Y,GR,BL
Q3:2SC785-R
Q4:2SC458LG
Q5:2SC458B
Q6:2SC458(C)
Q7:2SC373
Q8:2SC378 Q9:2SC377
Q10:2SA495-Y
IC1~3:SL2057S
D1~3:1N60
D4:S5B-PG
D5:1SS44
D6:1SS53
D7:1SS44
D8:1SS53
D9:S5B-PG
D10:1SS44