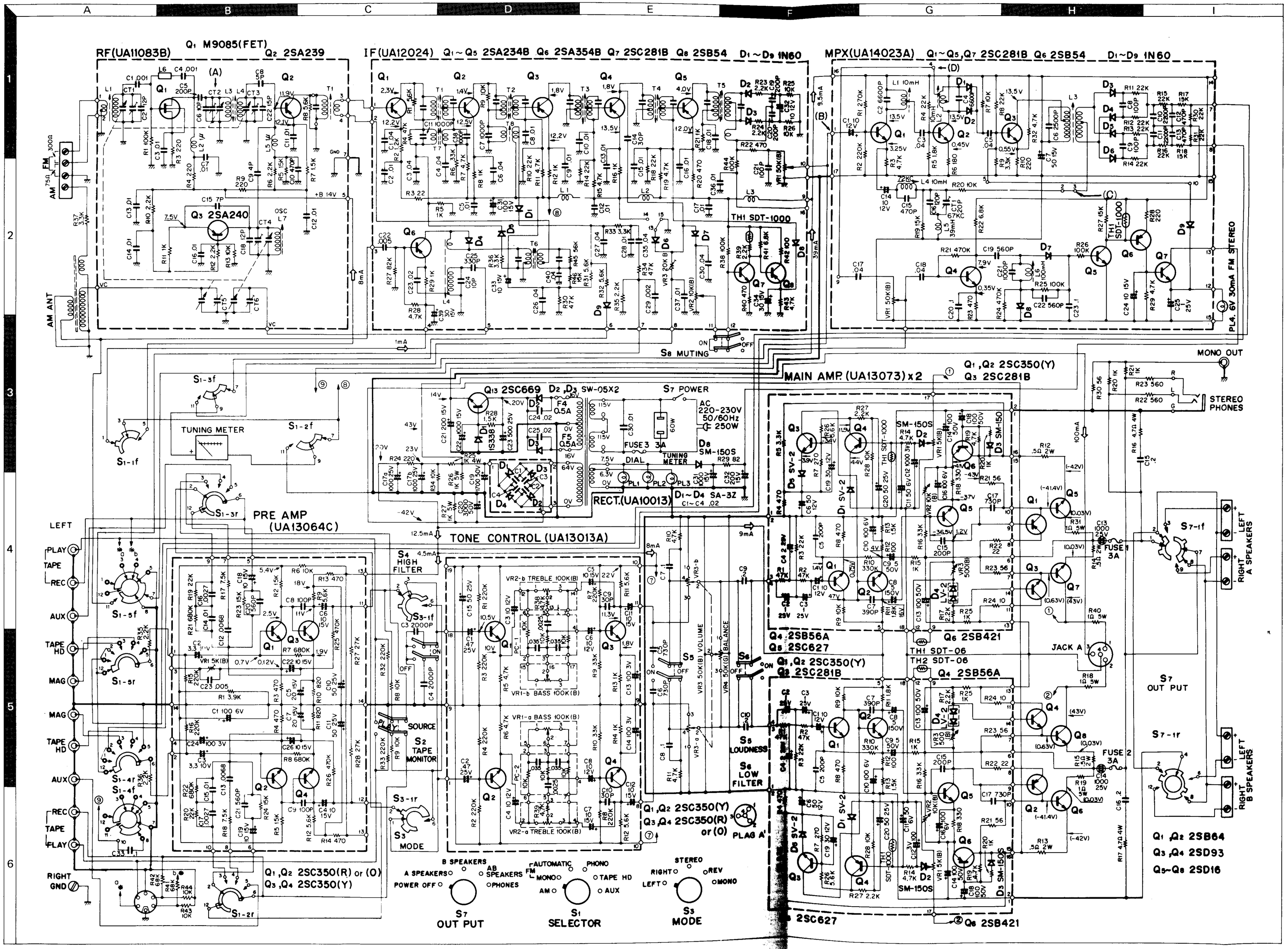
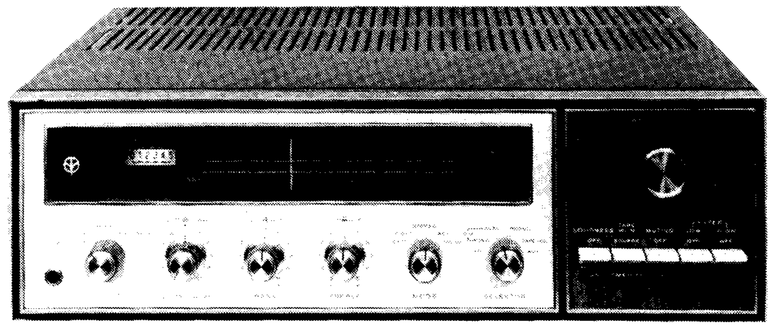
KENWOOD

SOLID STATE AUTOMATIC AM-FM STEREO RECEIVER

TK-140





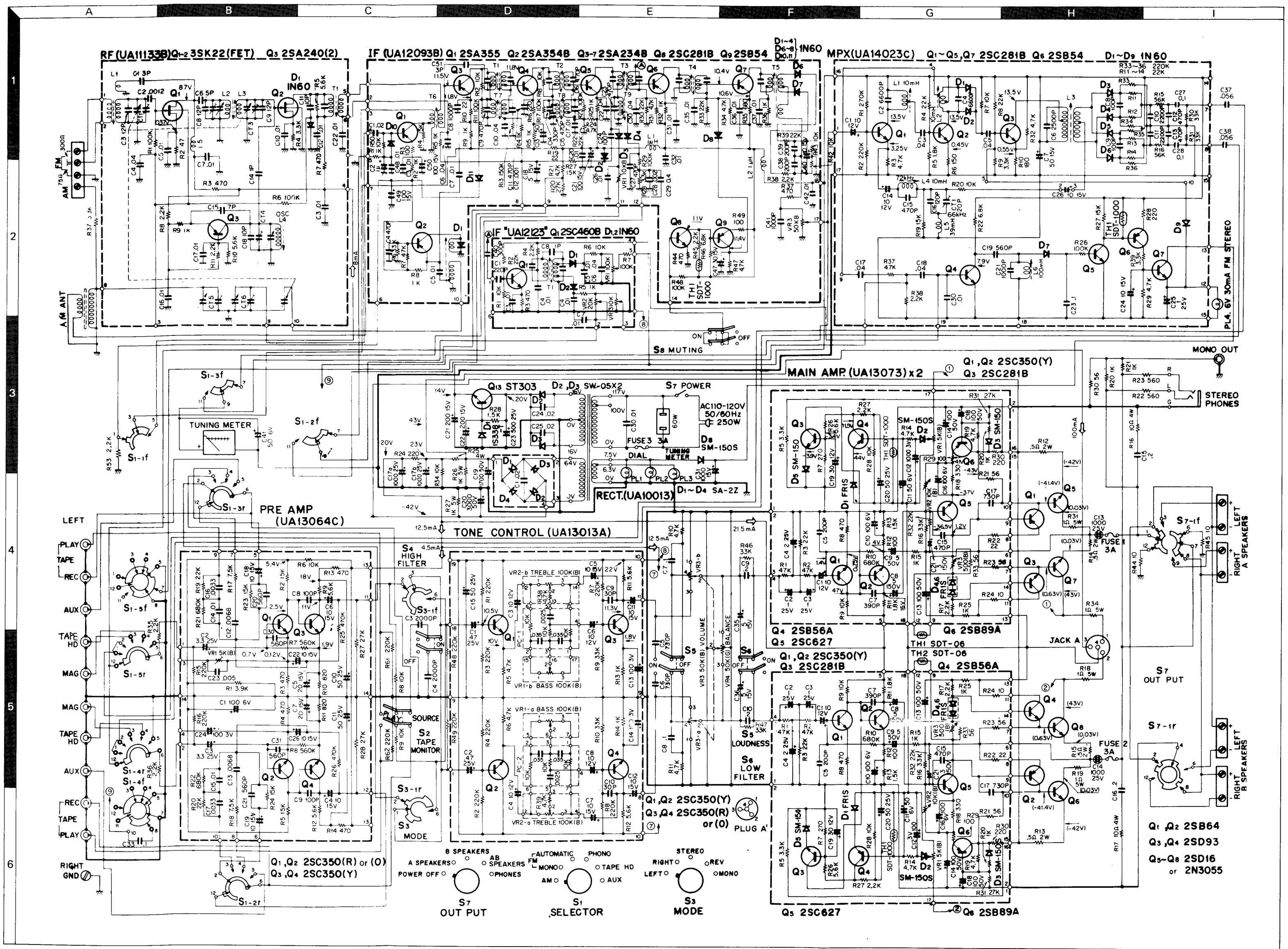
SPECIFICATIONS

AMPLIFIER SECTION:

TOTAL MUSIC POWER:	130 watts (IHF Standard 4 ohms) 120 watts (IHF Standard 8 ohms)
CONTINUOUS POWER:	50 watts per channel (0.5% T.H.D.)
FREQUENCY RESPONSE:	20 Hz — 50,000 Hz (±2 dB)
POWER BANDWIDTH:	20 Hz — 30,000 Hz (−3 dB)
SIGNAL TO NOISE RATIO: (below rated output)	Phono − 63 dB, Tape HD − 63 dB, Tape Play − 70 dB, AUX − 70 dB
INPUT SENSITIVITY:	Phono 2 mV, Tape HD 2.5 mV, Tape Play 150 mV, AUX 150 mV
MAXIMUM INPUT SIGNAL: (Mag Input)	100 mV P-P (1,000 Hz)
DAMPING FACTOR:	46 (16 ohms), 23 (8 ohms)
LOW FILTER:	80 Hz roll-off
HIGH FILTER:	6,000 Hz roll-off
BASS CONTROL:	±10 dB (at 50 Hz)
TREBLE CONTROL:	±10 dB (at 10,000 Hz)
VOLUME CONTROL TRACKING ERROR:	Within 3 dB
CENTER CHANNEL OUTPUT:	Yes
SPEAKER IMPEDANCE:	4, 8 or 16 ohms

TUNER SECTION:

USABLE SENSITIVITY:	FM; 2 microvolts (IHF Standard) AM; 10 microvolts (IHF Standard)
FM FREQUENCY RESPONSE:	20 — 20,000 Hz ±2 dB
FM HARMONIC DISTORTION:	0.6% (1,000 Hz 100% mod.)
FM SIGNAL TO NOISE RATIO:	60 dB
FM CAPTURE RATIO:	2.5 dB
FM SELECTIVITY: (Alt. Channel)	45 dB
FM STEREO SEPARATION:	38 dB (at 400 Hz)
FM IMAGE REJECTION:	66 dB
FM SPURIOUS RESPONSE:	80 dB
FM IF STAGES:	5 stages
FM STEREO MONO AUTO. SWITCHING:	Yes
FM INTERSTATION MUTING:	Yes
AM-FM FRONT END:	FET 4-gang (FM), 3-gang (AM)
POWER CONSUMPTION:	AC 110 — 120 or 220 — 230 volts, 250 watts (at full power) Amps sold in Europe operate only on 220 — 230 volts 50/60 Hz
DIMENSIONS:	16½″ W, 5¼″ H, 14¼″ D
WEIGHT:	31 Lbs.


RF (UA11133B) Q1-2 3SK22 (FET) Q3 2SA240(2)
IF (UA12093B) Q1 2SA355 Q2 2SA354B Q3-7 2SA234B Q8 2SC281B Q9 2SB54
D1~4, D6~8, D10,11 1N60
MPX (UA14023C) Q1~Q5, Q7 2SC281B Q6 2SB54 D1~D9 1N60
IF "UA12123" Q1 2SC460B D1,2 1N60
PL4, 6V 30mA FM STEREO
S8 MUTING
MONO OUT
STEREO PHONES
MAIN AMP. (UA13073) x2
Q1, Q2 2SC350(Y)
Q3 2SC281B
Q4 2SB56A
Q5 2SC627
Q6 2SB89A
TH1 SDT-06
TH2 SDT-06
JACK A
FUSE 3A
FUSE 2 3A
S7 OUT PUT
S7-1f
S7-1r
RIGHT A SPEAKERS
LEFT A SPEAKERS
RIGHT B SPEAKERS
LEFT B SPEAKERS
Q1, Q2 2SB64
Q3, Q4 2SD93
Q5~Q8 2SD16 or 2N3055
S1-3f
S1-2f
S1-1f
TUNING METER
S1-3r
PRE AMP (UA13064C)
TONE CONTROL (UA13013A)
Q13 ST303
D2, D3 SW-05X2
S7 POWER
AC110-120V 50/60Hz 250W
FUSE 3 3A
DIAL
TUNING METER
D8 SM-150S
RECT. (UA10013)
D1~D4 SA-2Z
LEFT
PLAY
TAPE
REC
AUX
TAPE HD
MAG
RIGHT
GND
S1-5f
S1-5r
S1-4r
S1-4f
S1-2r
S4 HIGH FILTER
S3-1f
S3-1r
S3 MODE
SOURCE
S2 TAPE MONITOR
S5 LOUDNESS
S6 LOW FILTER
S5 VOLUME
S6 BALANCE
Q1, Q2 2SC350(Y)
Q3, Q4 2SC350(R) or (O)
PLUG A'
Q1, Q2 2SC350(R) or (O)
Q3, Q4 2SC350(Y)
B SPEAKERS
A SPEAKERS
AB SPEAKERS
PHONES
POWER OFF
S7 OUT PUT
AUTOMATIC
FM
MONO
AM
PHONO
TAPE HD
AUX
S1 SELECTOR
STEREO
RIGHT
LEFT
REV
MONO
S3 MODE