

PIONEER®



AM/FM MULTIPLEX RECEIVER

SX-40

SX-40 SPECIFICATIONS

FM Section

Circuitry	Ratio Detector with AFC
Frequency Range	88-108 mc
Usable Sensitivity (IHFM Rating)	3 μ v
Selectivity	± 100 kc (-3 db)
Discriminator Bandwidth (Peak to Peak)	600 kc
Signal to Noise Ratio	50 db
Antenna Input	300 ohm unbalanced

Multiplex Section

Circuitry	Switching type; equipped with stereo indicator light
Channel Separation	Better than 35 db at 1,000 cps

AM Section

Frequency Range	535 kc—1605 kc
Usable Sensitivity (IHFM Rating)	50 μ v
Selectivity	
Sharp	± 3 kc
Broad	± 9 kc
Antenna Input	Built-in ferrite loopstick with terminal for external antenna

Audio Section

Music Power Output	20 watts per channel
RMS Rated Power Output	15 watts per channel
Frequency Response	± 1 db from 15 cps to 100,000 cps
Harmonic Distortion (at Rated Output)	Less than 1%
Damping Factor	7.0
Hum and Noise (at Rated Output)	
Magnetic	Better than 60 db
Auxiliary	Better than 70 db

Input and Audio Sensitivity

Magnetic	3 mv
Crystal or Ceramic	47 mv
Auxiliary	300 mv
Tape Playback	300 mv
Bass Control	Boost 14 db, cut 13 db at 50 cps
Treble Control	Boost 11 db, cut 13 db at 10,000 cps

Filters

High Cut Filters	-15 db at 10,000 cps
Low Cut Filters	-10 db at 50 cps

Equalization

Phono	RIAA
-------	------

Power Supply

Power Requirements

Tubes (19)

Silicon diodes
115/230 volts 1.5/0.75 amp,
145 watts (max) 50-60 cps
1—6BE6, 3—6BA6,
3—6AQ8/ECC85,
1—6CG7,
5—12AX7/ECC83,
4—6BQ5/EL84, 1—6AV6,
1—EM84

Diodes (8)

Germanium:
2—0A-70/1N60,
4—0A-81/1N34
Silicon: 2—SE-05b
Stereo indicator light
18-29/32"(W) $\times$ 6-1/32"(H)
 $\times$ 13-3/32"(D)
35 lbs. 3 oz.

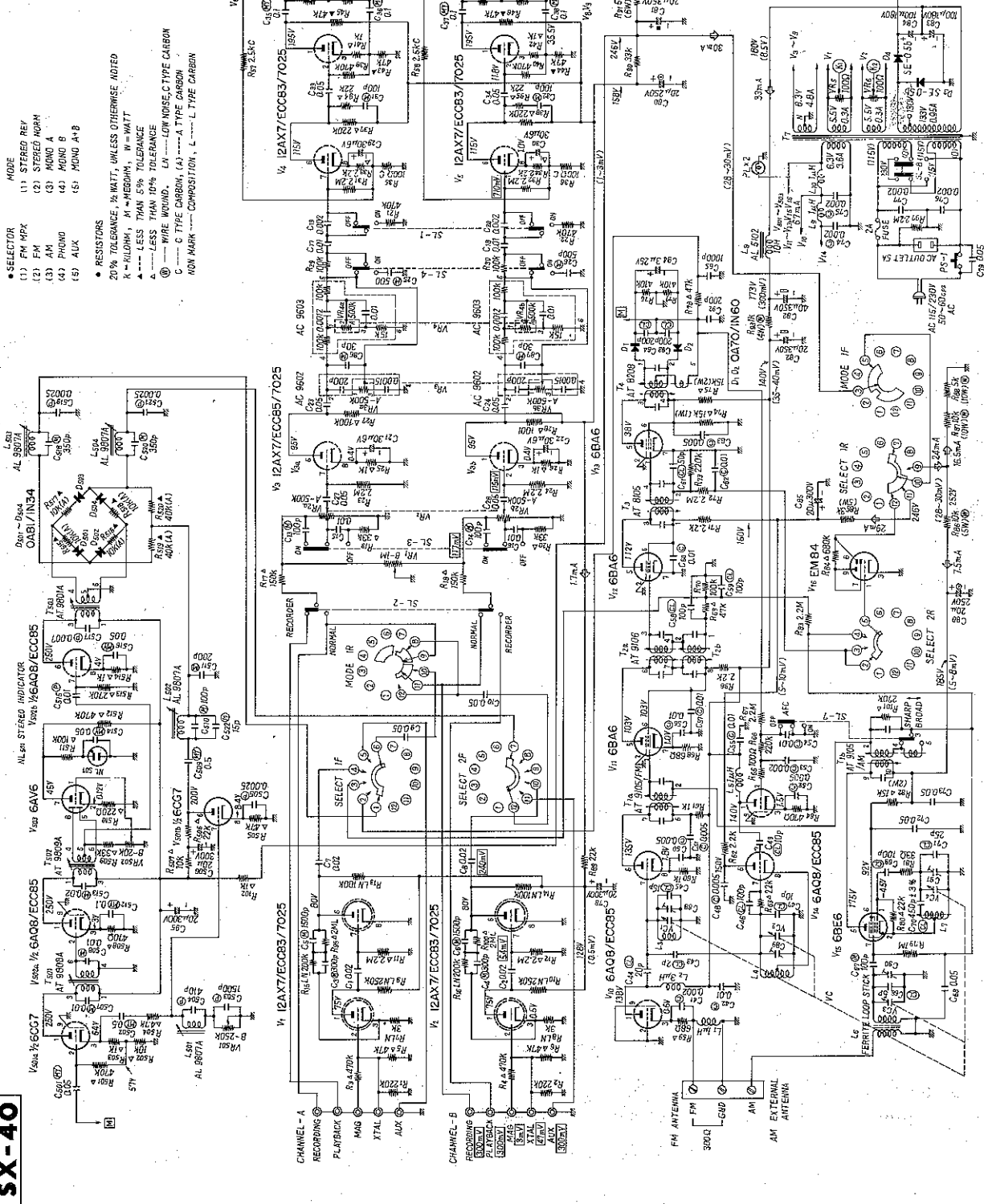
Neon Light Dimensions

Weight

PIONEER ELECTRONIC CORPORATION

SX-40

- SELECTOR
 - (1) STEREO REF
 - (2) STEREO NORM
 - (3) MONO A
 - (4) MONO B
 - (5) AUX
- RESISTORS
 - 20% TOLERANCE, 1/2 WATT, UNLESS OTHERWISE NOTED
 - K = KILOHMS, M = MEGAHMS, W = WATT
 - LESS THAN 5% TOLERANCE
 - ① --- LOW WIDE, C TYPE CARBON
 - WIRE WOUND
 - C TYPE CARBON, 1/4 --- A TYPE CARBON
 - NON MARK --- COMPOSITION, L --- L TYPE CARBON
- CAPACITORS
 - IN μ F, 20% TOLERANCE UNLESS OTHERWISE NOTED
 - POLYETHYLENE (10%)
 - STYROL (5%)
 - MICA (10%)
 - CERAMIC (10%)
 - MYLAR
 - ELECTROLYTIC
 - NON MARK --- OIL PAPER
- POTENTIOMETERS
 - VH --- VOLUME CONTROL
 - VI --- TREBLE CONTROL
 - VS --- BASS CONTROL
 - V1 --- BALANCE CONTROL
 - V2 --- SEPARATION CONTROL
 - V3 --- INDICATOR LIGHT ADJUSTMENT



ITEM NO.	VACANT
1	Res
2	Cap
3	Tube
4	Coil
5	Switch
6	Control
7	Antenna
8	Speaker
9	Power
10	Light
11	Indicator
12	Adjustment
13	Measurement
14	Constant
15	AC