

AM / FM STEREO RECEIVER

SX-550

HG

SPECIFICATIONS

Semiconductors

FET	3
ICs	5
Transistors	28
Diodes	21

Power Amplifier Section

Continuous Power Output of 20 watts*per channel, min. RMS, at 8 ohms or 4 ohms from 20 Hertz to 20,000 Hertz with no more than 0.3% total harmonic distortion.

Total Harmonic Distortion (20 Hertz to 20,000 Hertz, from AUX)

Continuous Rated Power Output No more than 0.3%

10 watts per channel power output,

8 ohms No more than 0.07%

1 watt per channel power output,

8 ohms. No more than 0.07%

Intermodulation Distortion (50 Hertz : 7,000 Hertz = 4 : 1, from AUX)

Continuous Rated Power Output No more than 0.3%

10 watts per channel power output,

8 ohms No more than 0.07%

1 watt per channel power output,

8 ohms No more than 0.07%

Damping Factor

(20Hz to 20,000Hz, 8 ohms) 25

Input Sensitivity/Impedance

PHONO 2.5mV/50k ohms

MIC 7.5mV/50k ohms

AUX 150mV/50k ohms

TAPE PLAY 1 150mV/50k ohms

TAPE PLAY 2 150mV/50k ohms

TAPE PLAY 2 (DIN connector) 150mV/50k ohms

PHONO Overload Level (T.H.D. 0.1%)

PHONO 200mV (1kHz)

Output Level/Impedance

TAPE REC 1 150mV

TAPE REC 2 150mV

TAPE REC 2 (DIN connector) 30mV/80k ohms

SPEAKER A, B, A+B

HEADPHONES Low Impedance

Frequency Response

PHONO (RIAA equalization) 30Hz to 15,000Hz ± 0.3 dB

AUX, TAPE PLAY 10Hz to 60,000Hz ± 1.5 dB

Tone Control

BASS +9dB, -10dB (100Hz)

TREBLE ± 8 dB (10kHz)

Loudness Contour (Volume control set at -40dB

position) +6dB (100Hz), +3dB (10kHz)

Hum and Noise (IHF, short-circuited, A Network, rated power)

PHONO 70dB

AUX TAPE PLAY 90dB

FM Section

Usable Sensitivity MONO 11.2dBf (2.0 μ V)

STEREO 20.0dBf (5.5 μ V)

50dB Quieting Sensitivity MONO 18.3dBf (4.5 μ V)

STEREO 39.2dBf (50 μ V)

Signal to Noise Ratio at 65dBf MONO 70dB

STEREO 65dB

Distortion at 65dBf 100Hz MONO 0.15%

STEREO 0.3%

1kHz MONO 0.15%

STEREO 0.3%

6kHz MONO 0.4%

STEREO 0.4%

Frequency Response 30Hz to 15,000Hz ± 1.5 dB

Capture Ratio 1.0dB

Alternate Channel Selectivity 60dB

Spurious Response Ratio 75dB

Image Response Ratio 65dB

IF Response Ratio 90dB

AM Suppression Ratio 50dB

Muting Threshold 14dBf (2.8 μ V)

Stereo Separation 40dB (1kHz), 30dB (30Hz ~ 15kHz)

Subcarrier Product Ratio 40dB

SCA Rejection Ratio 40dB

Antenna Input 300 ohms balanced

75 ohms unbalanced

AM Section

Sensitivity (IHF, Ferrite antenna) 300 μ V/m

(IHF Ext. antenna) 15 μ V

Selectivity 35dB

Signal-to-Noise Ratio 50dB

Image Response Ratio 40dB

IF Response Ratio 65dB

Antenna Built-in Ferrite Loopstick Antenna

Miscellaneous

Power Requirements 120V 60Hz

Power Consumption 185W

Dimensions 448(W)x141(H)x307(D) mm

17-4/8(W)x5-9/16(H)x12-1/16(D) in

Weight Without package 9.4kg (20 lb 11 oz)

With package 10.5kg (23 lb 2 oz)

Furnished Parts

FM T-type Antenna 1

Operating Instructions 1

* Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers.

NOTE:

Specifications and the design subject to possible modification without notice due to improvements.

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SWITCHES:

- S₁ SPEAKERS
1. POWER OFF
2. SP A
3. SP OFF
4. SP B
5. SP A+B
- S₂ FM MUTING
ON — OFF
- S₃ MODE
STEREO — MONO
- S₄ TAPE MONITOR 1
OFF — ON

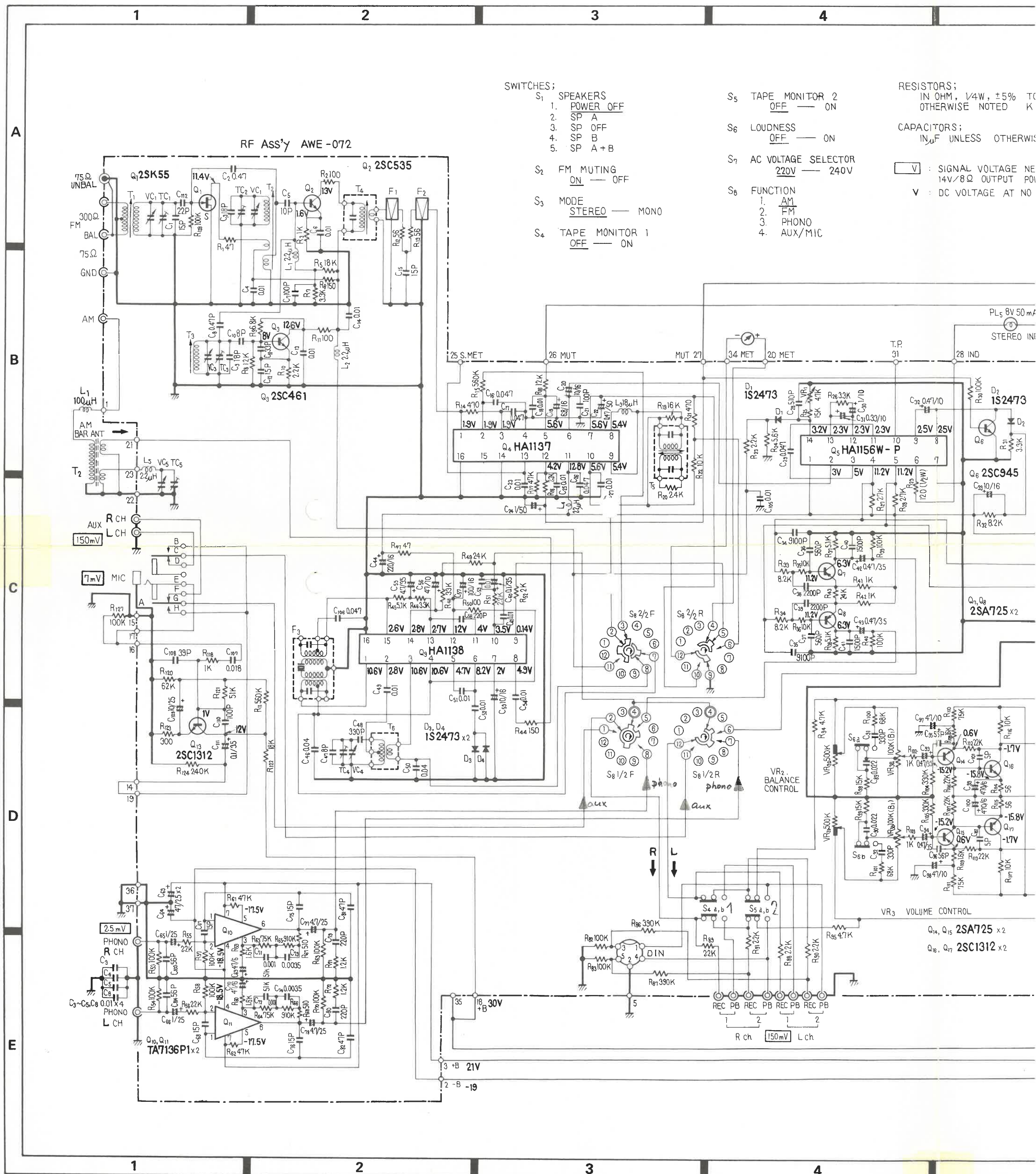
- S₅ TAPE MONITOR 2
OFF — ON
- S₆ LOUDNESS
OFF — ON
- S₇ AC VOLTAGE SELECTOR
220V — 240V
- S₈ FUNCTION
1. AM
2. FM
3. PHONO
4. AUX/MIC

RESISTORS:
IN OHM, 1/4W, ±5% TOL
OTHERWISE NOTED

CAPACITORS:
IN μF UNLESS OTHERWISE NOTED

V : SIGNAL VOLTAGE NEAR
14V/8Ω OUTPUT POWER

V : DC VOLTAGE AT NO



RESISTORS;
IN OHM, 1/4W, ±5% TOLERANCE UNLESS
OTHERWISE NOTED K: kΩ M: MΩ

CAPACITORS;
IN μF UNLESS OTHERWISE NOTED P: pF

V: SIGNAL VOLTAGE NECESSARY OBTAINING
14V/8Ω OUTPUT POWER (1K Hz)
V: DC VOLTAGE AT NO INPUT SIGNAL.

