

SCP-7000F SPECIFICATIONS

TYPE:
20 Transistor, Stereo Cassette Tape Recorder with
FM/MW/SW 3 Band Radio and phonograph

CIRCUIT:

Transistor 2SC535 (FM RF amplifier)
2SC461 (FM converter)
2SC460 (FM IF amplifier)
2SC460 (AM IF amplifier)
2SC460 (AM oscillator)
2SC460 x 2 (FM/AM IF amplifier)
2SC458 x 2 (AF amplifier)
2SB75 x 2 (AF amplifier)
2SB156A x 4 (power amplifier)
2SC458 x 4 (AF amplifier)
2SB77 (bias oscillator)
Diode 1N60 x 2 (FM detector)
1N34A (AM detector)
1N60 (FM AGC)
1N34A (AM AGC)
1N60 (FM limiter)
1N34A (rectifier)
CS47 x 2 (temperature compensa-
tion)

a. Radio

RATING:

Frequency Range ..FM 87 - 108MHz
MW 520 - 1605KHz
SW 6 - 18MHz
IFFM 10.7MHz
AM 455KHz
Output Power1100±200mW max.
800±150mW usable
Power SourceDC 9V, "D" battery x 6
AC 117/220V, 50/60Hz
Maximum Sensitivity FM 6±6dB at 98MHz (dummy
(output=50mW, DC, antenna used)
power source) MW 30±6dB at 1000KHz
SW 28±6dB at 12MHz
Usable Sensitivity ..FM 13±4dB at 98MHz(S/N=30dB)
(output=50mW, DC MW 40±4dB at 1000KHz
power source) (S/N=10dB)
SW 33±4dB at 12MHz(S/N=10dB)
S/N RatioFM 50±4dB at 98MHz
(input=28dB)
MW 30±4dB at 1000KHz
(input=60dB)
SW 36±4dB at 12MHz
(input=60dB)

Current Drain(DC) .No signal: 35±7mA
Maximum output: 240±40mA
Usable output: 210±40mA
Current Drain(AC) .No signal: 13VA (AC 220V)
Under Voltage(DC) .4.5V
Under & Over
Voltage(AC).....±10% of rated voltage

b. Phonograph

RATING:

Turntable Speed....33-1/3, 45 & 78rpm.
Frequency Response 100 - 10000Hz
S/N Ratio35dB
Output Power1000±300mW max.
(DC power source) 800±150mW usable
Power SourceSame as radio
Current Drain(DC) .No signal : 75±20mA
Maximum output: 470±40mA
Usable output: 410±40mA
Current Drain(AC) .No signal: 13VA(AC 220V)
Under Voltage(DC) .6.5V
Under & Over
Voltage(AC).....±10% of rated voltage

c. Tape Recorder

RATING:

Recording System ..4 track, 2 channel, stereo
Wow & FlutterWithin 0.5% WRMS
Recording Time ...60 min(30 min per track) on C-60
cassette
Rewind/Fast-wind
TimeWithin 70 sec.
Rated Input Level ..-75dB (1V=0dB)
Frequency Response 100 - 8000Hz
Output PowerSame as radio
S/N RatioMore than 30dB(DC power source)
Current Drain(DC) .No signal recording: 130±30mA
No signal playback: 120±30mA
Rewind: 200±40mA
Fast-wind: 230±40mA

d. Others

Dimensions13-3/8x18-1/8x5-5/8 in
Weight15.4 lbs (without battery)

TYPE:

17 Transistor, Stereo Cassette Tape Recorder with
MW/SW1/SW2 3 Band Radio and Phonograph

CIRCUIT:

Transistor2SC460(2SC371)-frequency mixer
2SC460(CDC12000)-local oscil-
lator
2SA12 (2SA49)-IF amplifier
2SA12 (2SA53)-IF amplifier
2SC458(CDC13000) x 2-AF am-
plifier
2SB75 (2SB54) x 2-AF amplifier
2SB156(2SB364) x 4-power am-
plifier
2SC458(CDC13000) x 4-playback
amplifier
2SB77 (2SB56)-bias oscillator
Diode1N34A(1N60)-detector
1N34A(1N60)-AGC
1N34A(1N60)-reter rectifier
CS47 x 2-temperature compensator

a. Radio

RATING:

Frequency Range ..MW 520 - 1605KHz
SW1 3 - 9MHz
SW2 9 - 23MHz
IF455KHz
Output Power850±150mW usable
1300±200mW max.
Power SourceDC 9V, "D" battery x 6
AC 117/220V
Maximum Sensitivity MW 30±8dB at 1000KHz
(output=50mW, DC SW1 30±8dB at 6MHz
power source) SW2 13±8dB at 16MHz
Usable Sensitivity ..MW 39±6dB at 1000KHz
(output=50mW, DC SW1 32±6dB at 6MHz
power source, SW2 14±6dB at 16MHz
S/N=10dB)
S/N RatioMW 32±6dB at 1000KHz
(DC power source) (input=60dB)
SW1 35±6dB at 6MHz
(input=60dB)

SW2 36±6dB at 16MHz

(input=44dB)

Current Drain(DC) .No signal: 33±7mA
Maximum output: 260±40mA
Usable output : 220±40mA
Under Voltage(DC) .4.5V
Under & Over
Voltage(AC)±10% of rated voltage

b. Phonograph

RATING:

Turntable Speed ...33-1/4, 45 & 78rpm.
Frequency Response 100-10000Hz
S/N Ratio35dB
Output Power850±150mW usable
(DC power source) 1000±300mW max.
Power Sourcesame as radio
Current Drain(DC) .No signal: 75±20mA
Maximum output: 470±40mA
Usable output : 430±40mA
Under Voltage(DC) .6.5V
Under & Over
Voltage(AC)±10% of rated voltage

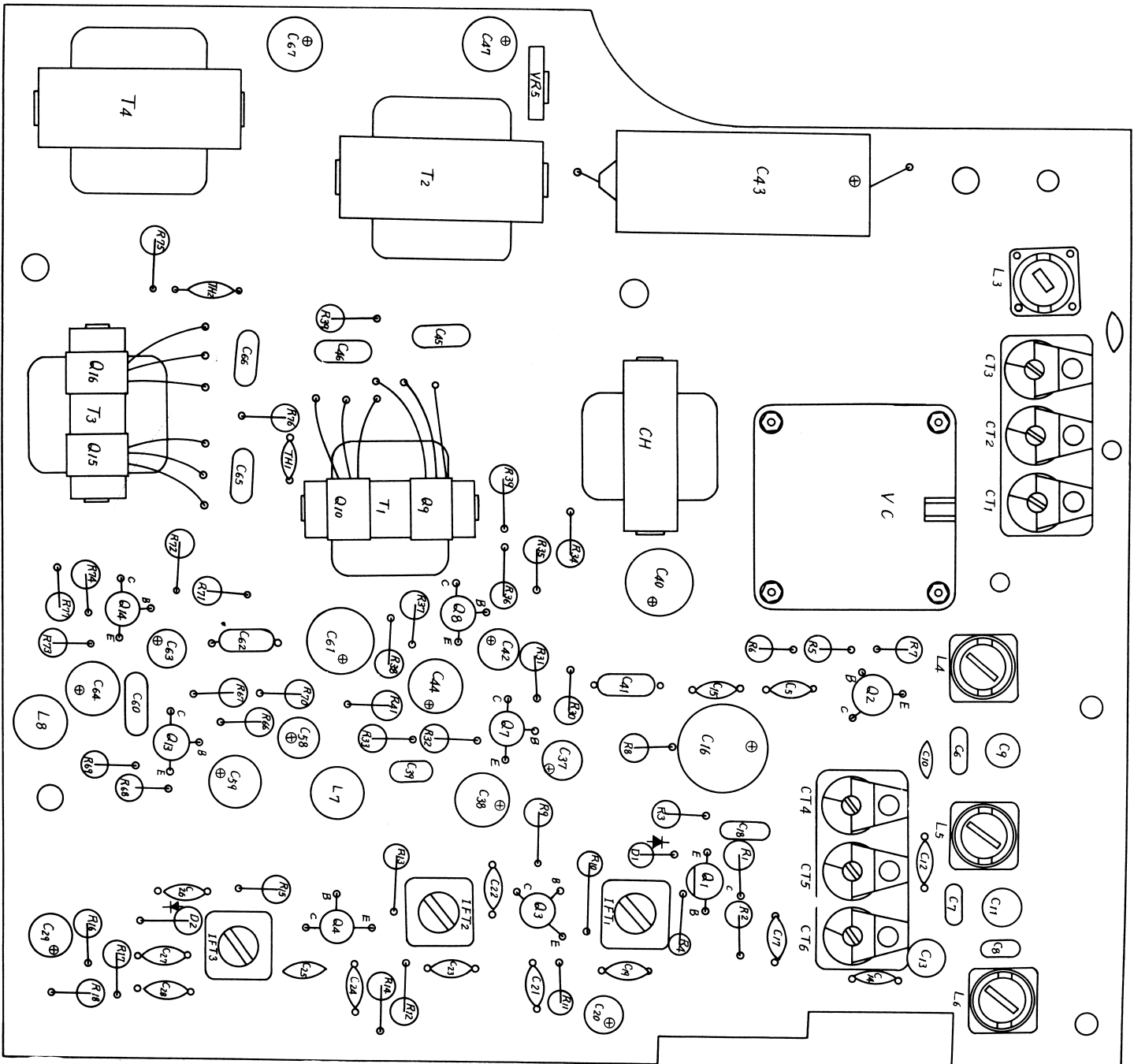
c. Tape Recorder

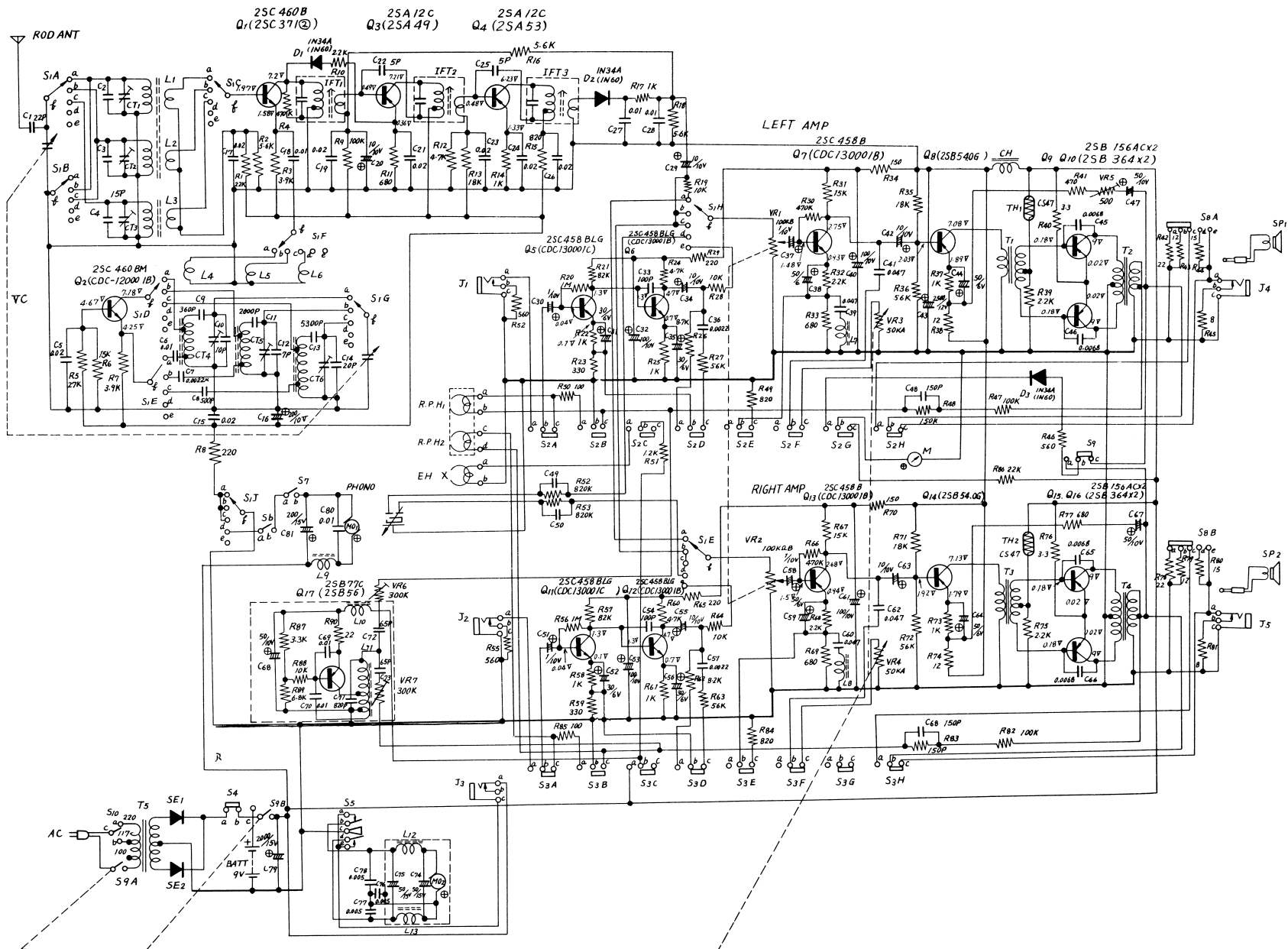
RATING:

Recording System ..4 track, 2 channel, stereo
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Recording Time ...60 min(30 min per track) on C-60
cassette
Rated Input Level ..-75dB
Frequency Response 100 - 8000Hz
Output PowerSame as radio
S/N Ratio(DC)Better than 30dB
Current Drain(DC) .No signal recording: 130±30mA
No signal playback: 130±30mA
Rewinding: 200±40mA

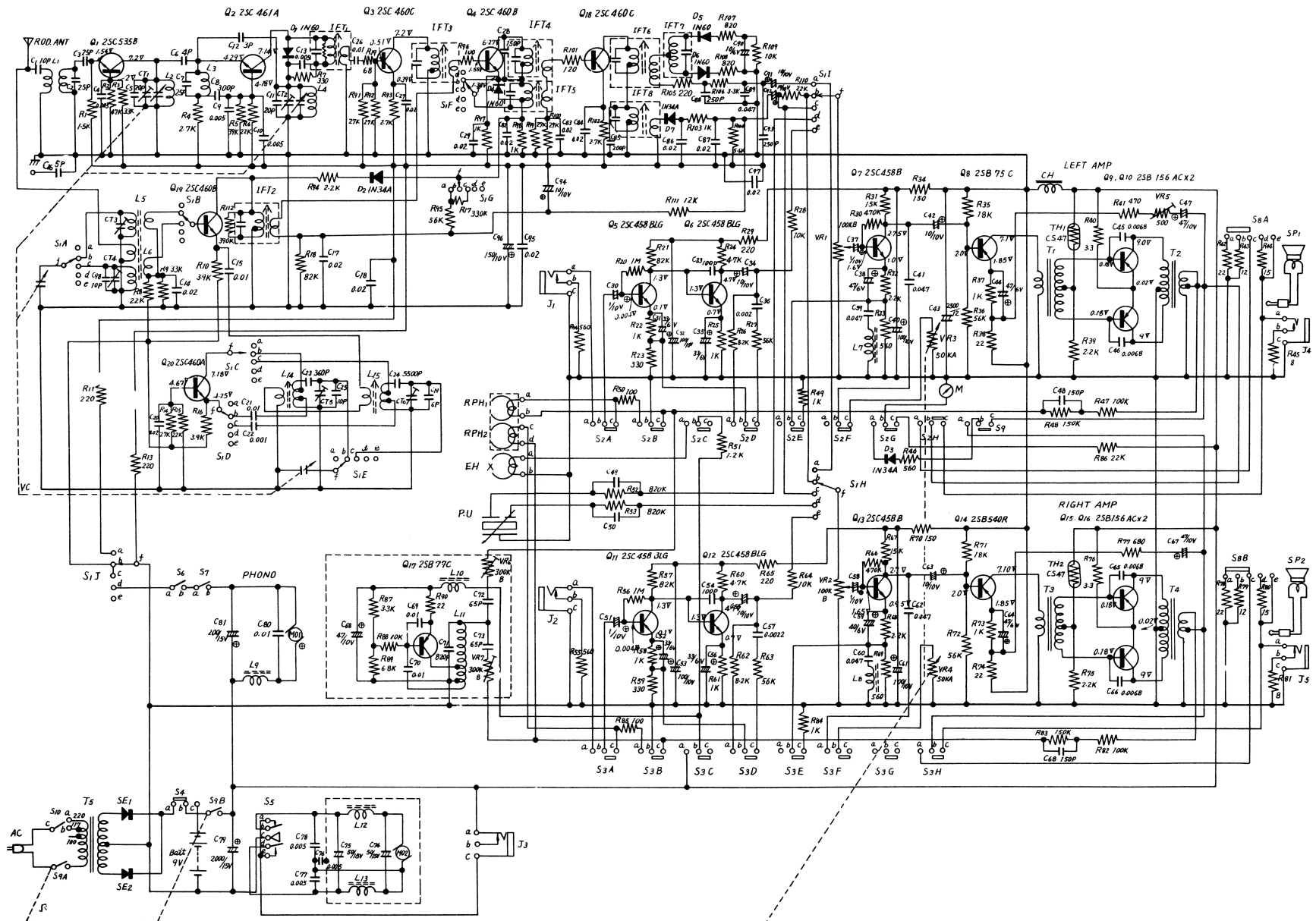
d. Others

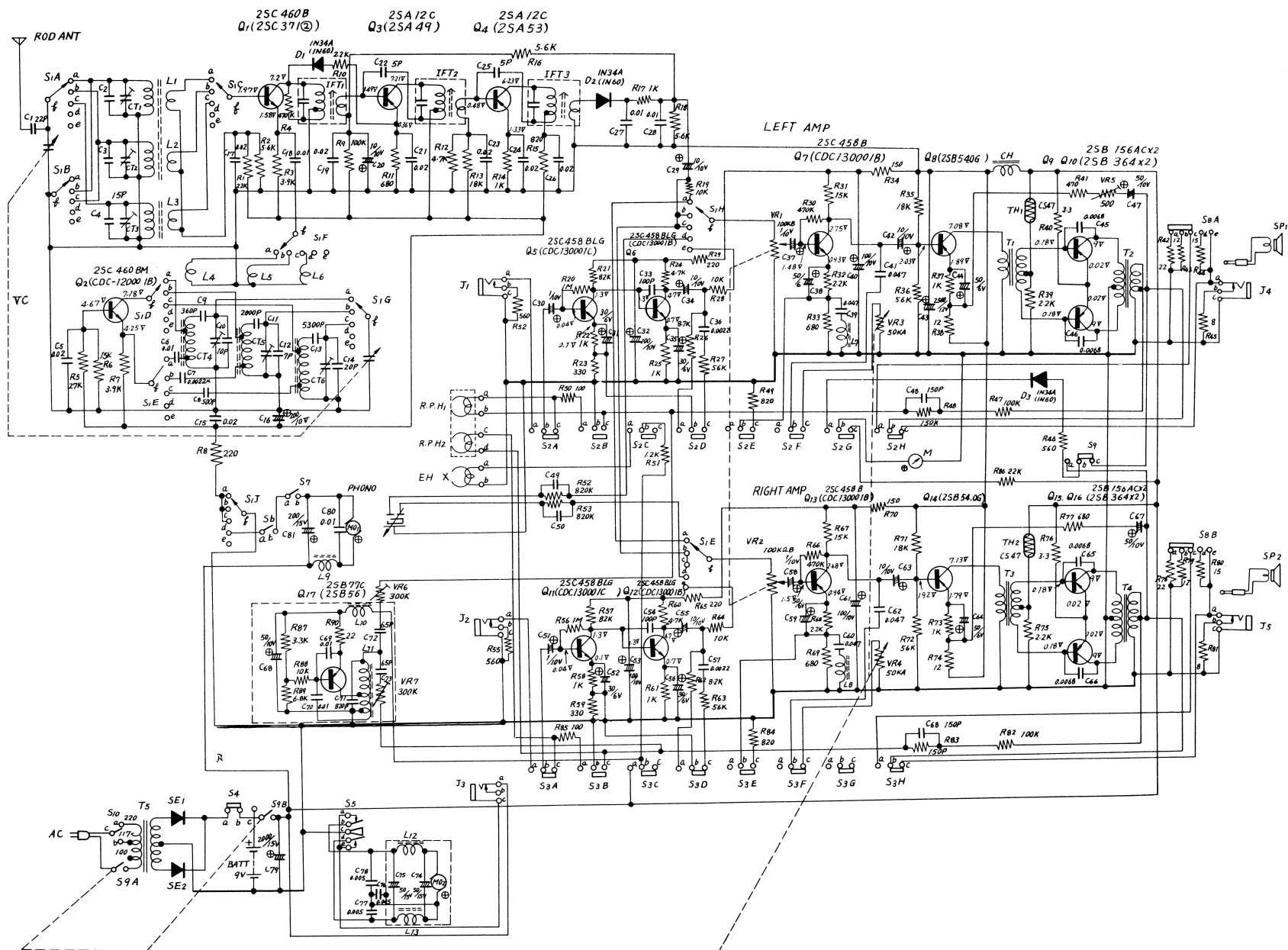
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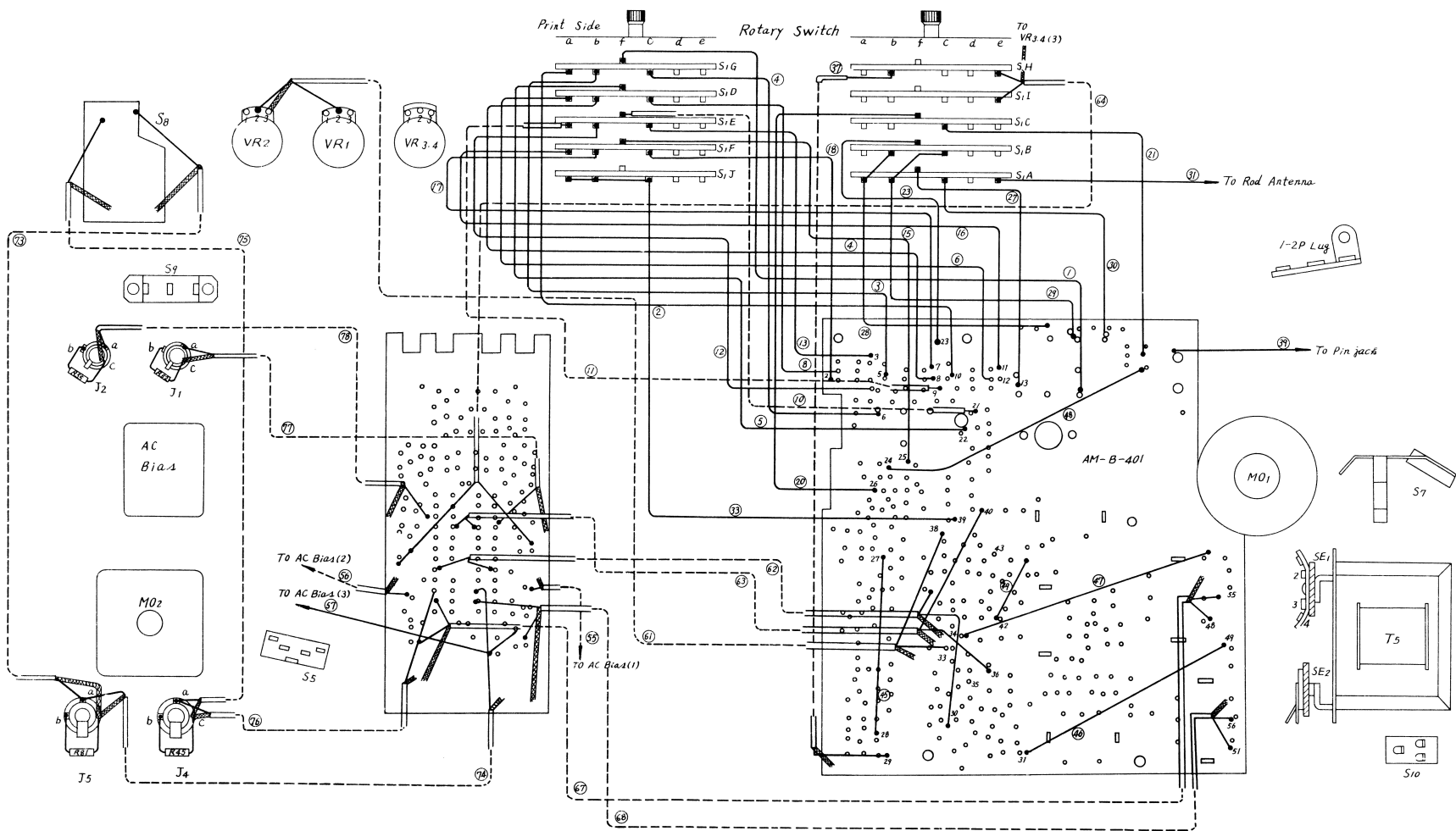


SCP-7000F CIRCUIT DIAGRAM



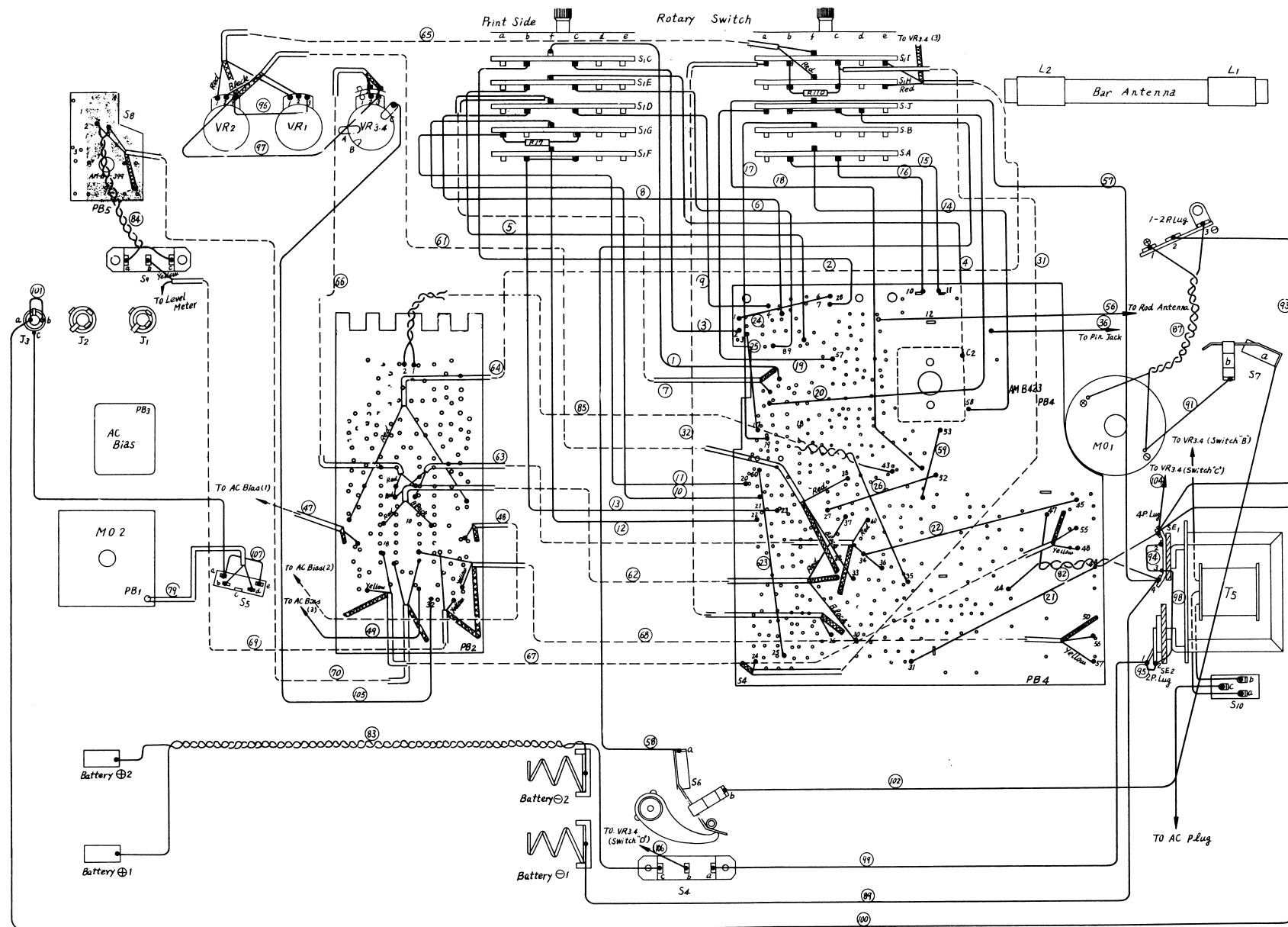


SCP-7000S LEAD CONNECTIONS

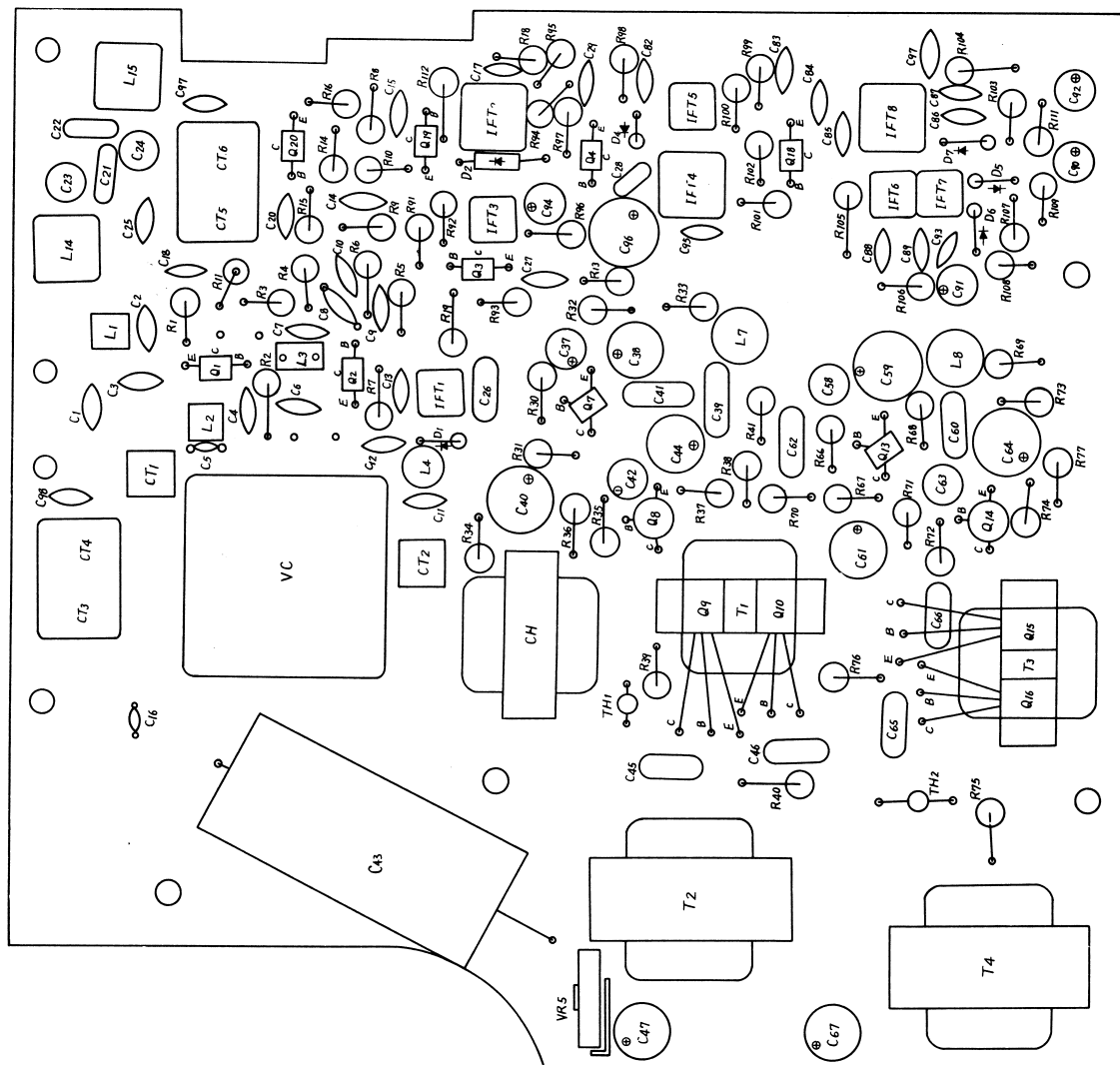


Those leads not shown here refer to the Lead Connections
Diagram of SCP-7000F.

C 23

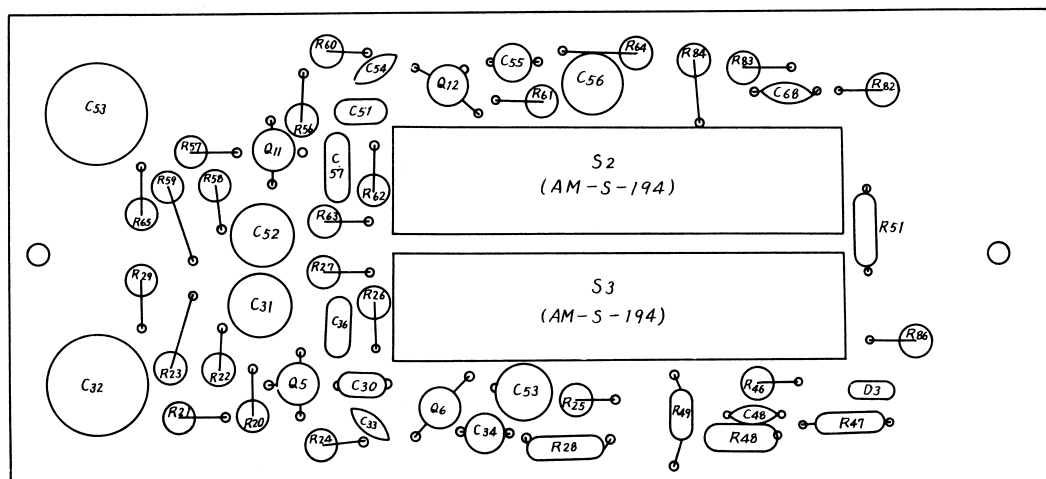


(Component Side)



SCP-7000F · 7000S EQUALIZER SECTION

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RATING:

Turntable Speed 33-1/3, 45 & 78rpm.
 Frequency Response 100 - 10000Hz
 S/N Ratio 35dB
 Output Power 1000 ± 300mW max.
 (DC power source) 800 ± 150mW usable
 Power Source Same as radio
 Current Drain(DC) .No signal: 75 ± 20mA
 Maximum output: 470 ± 40mA
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