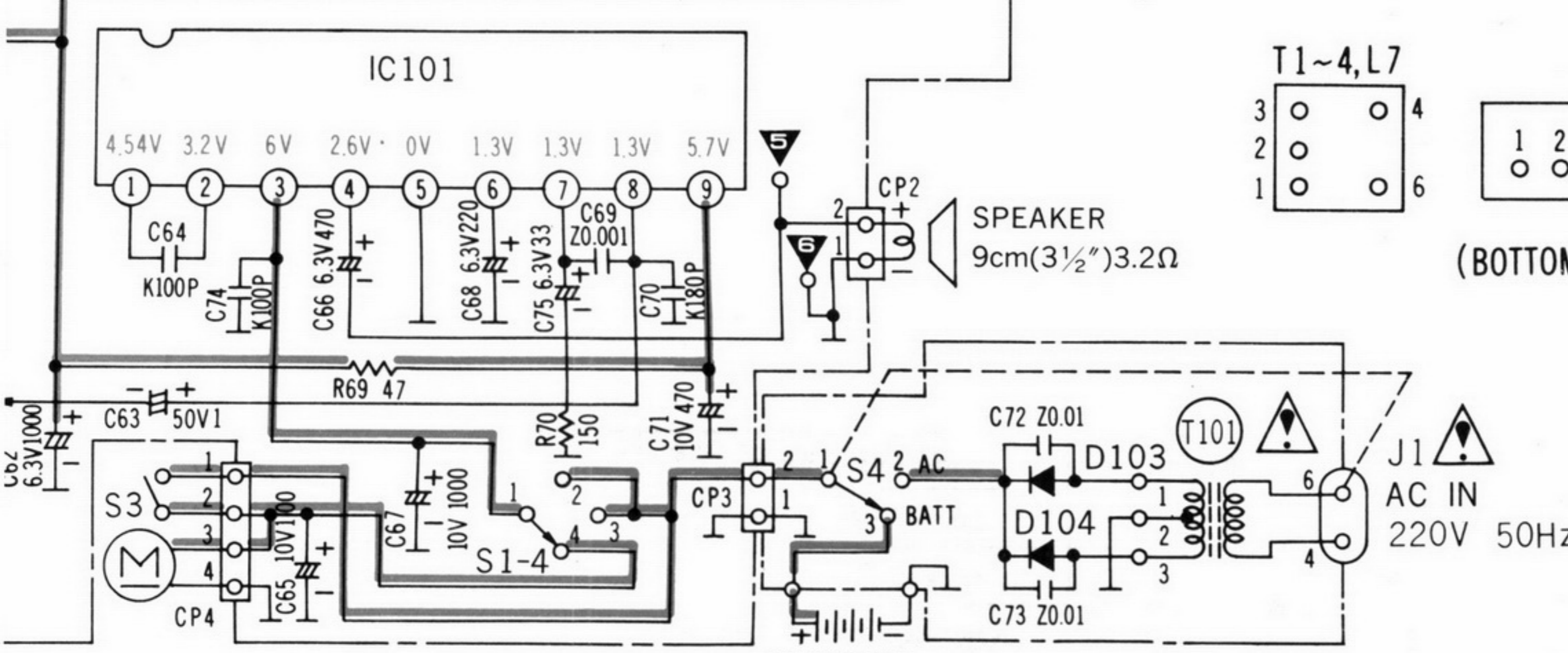
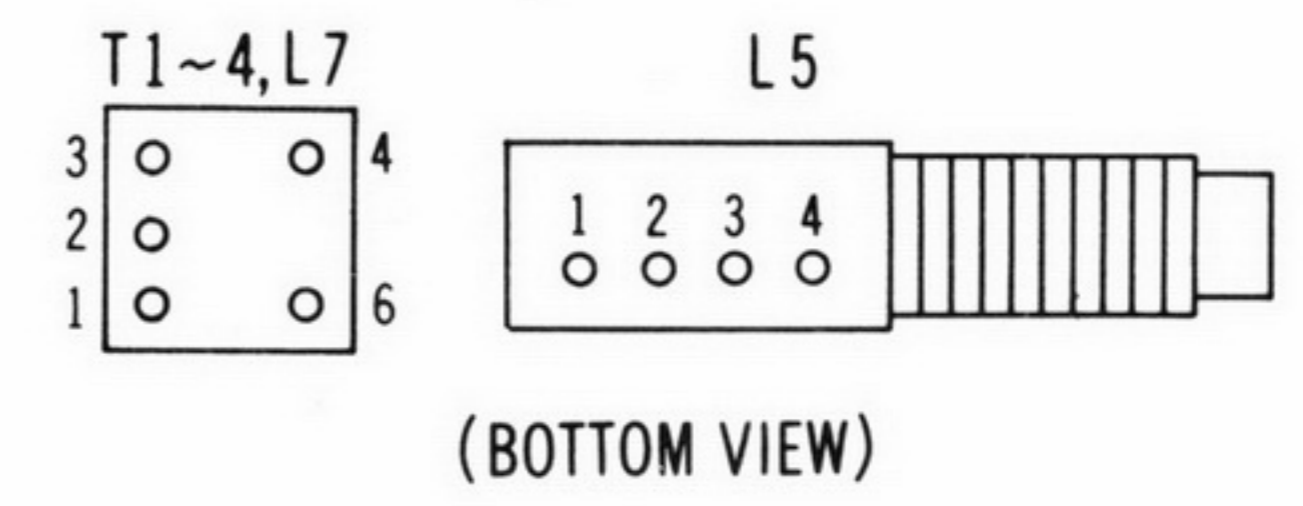
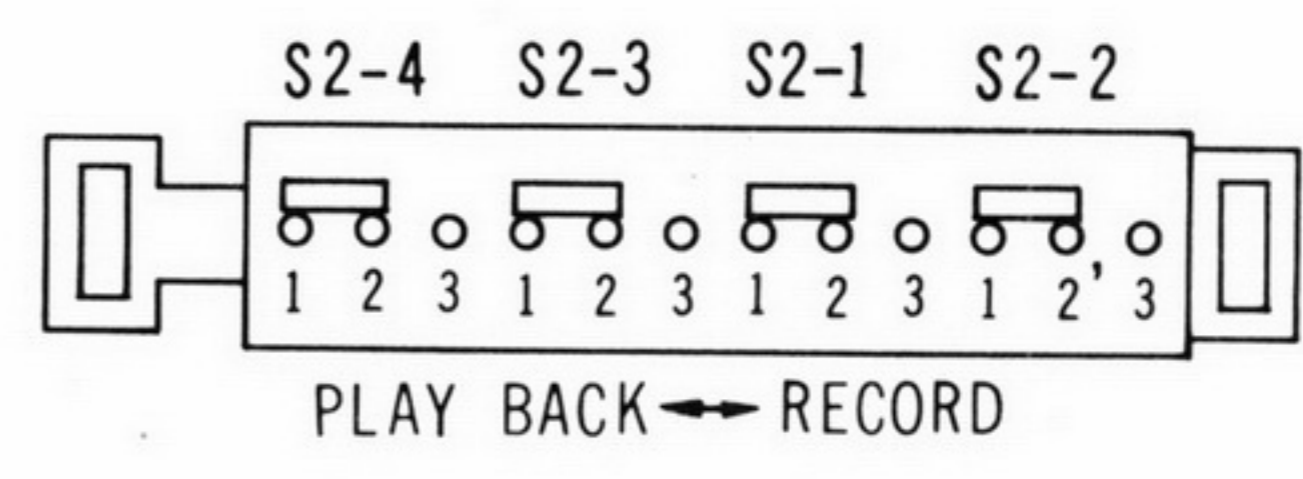
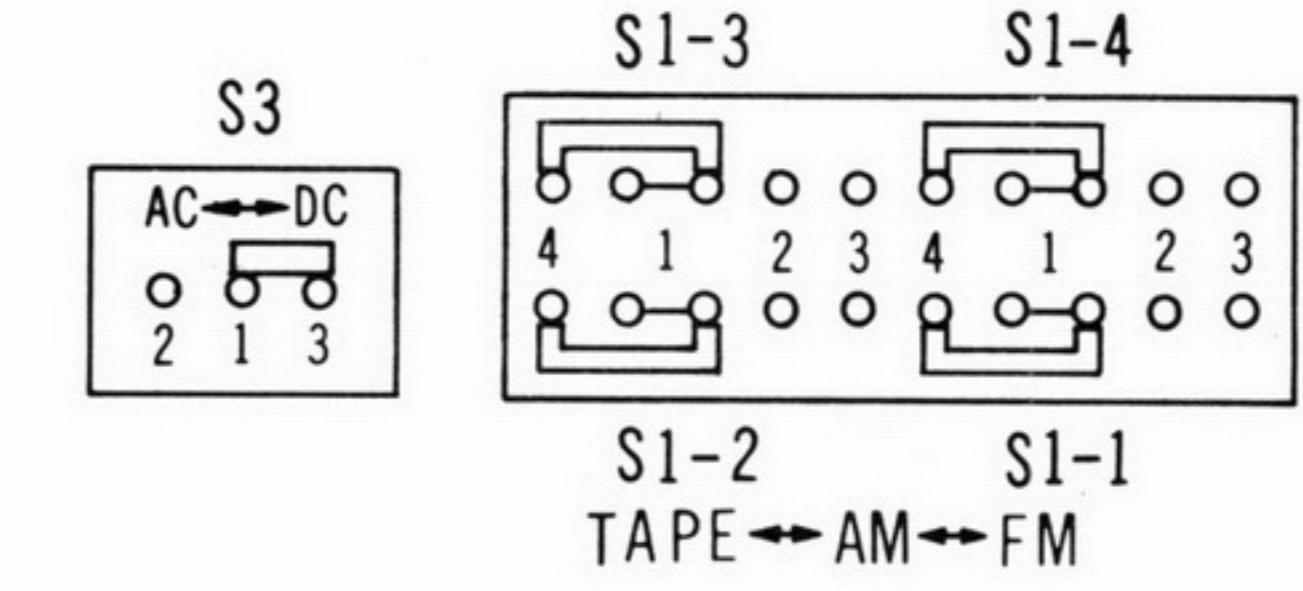
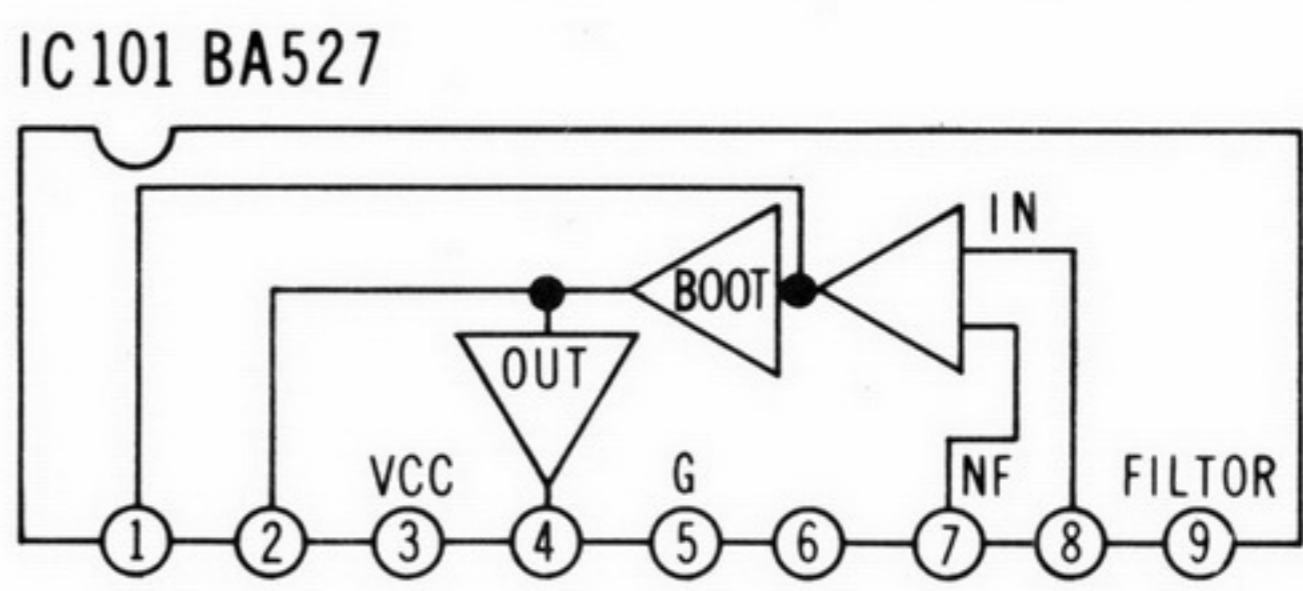
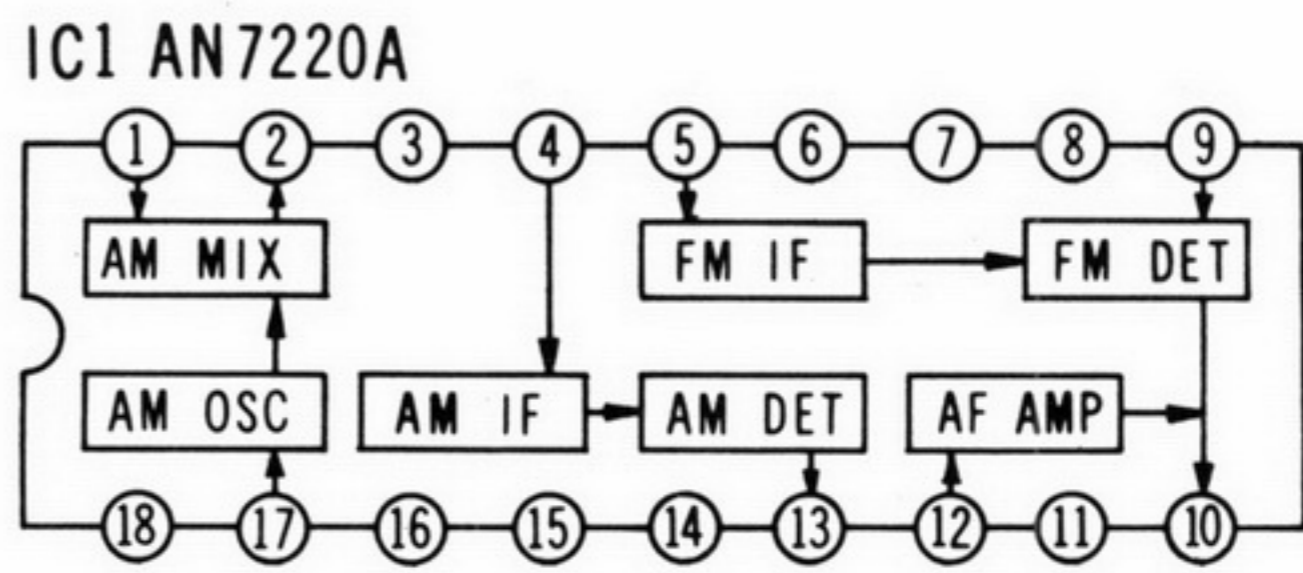
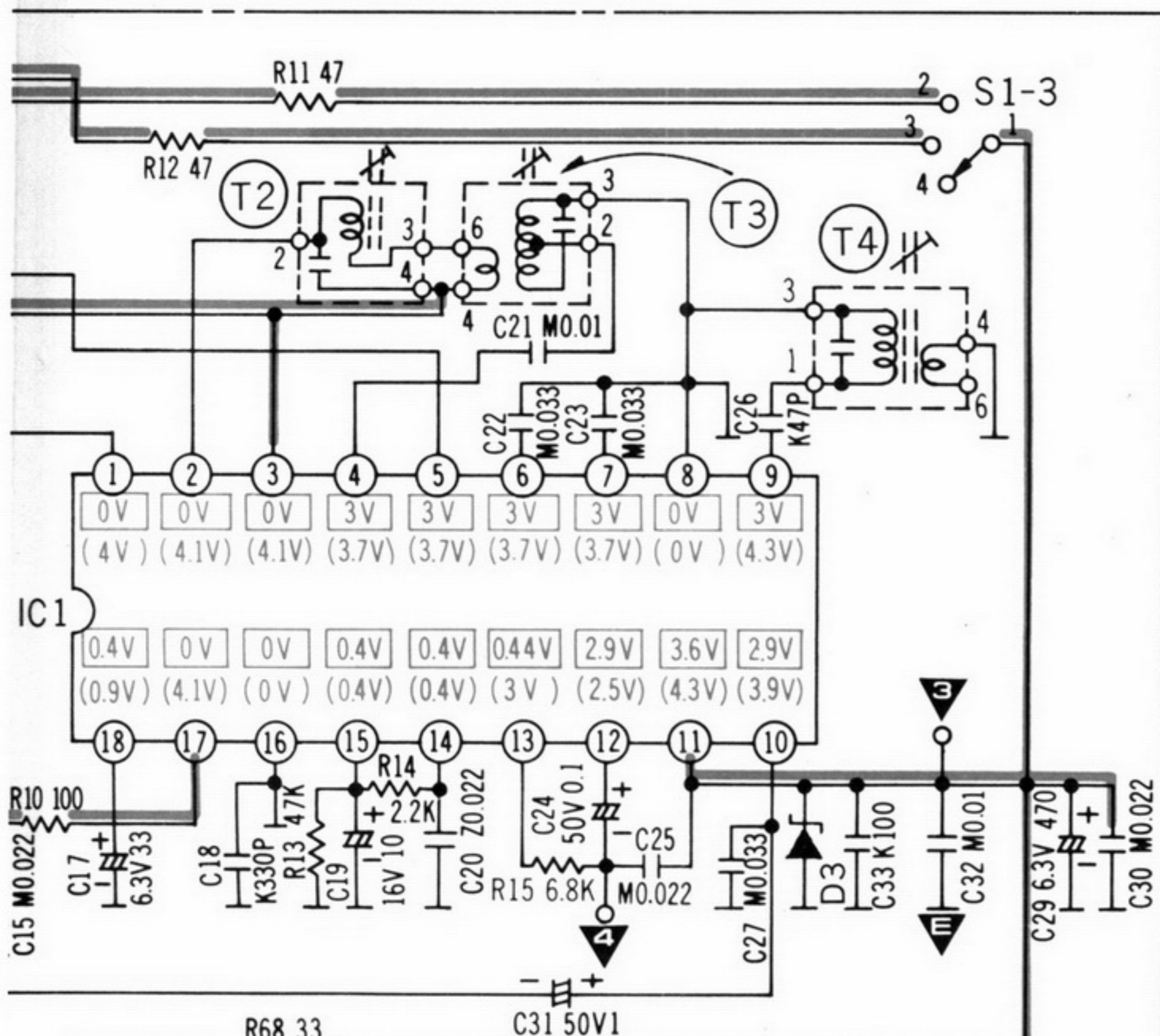


## MODEL RX-1220S

**IC1 AN7220A**  
FM/AM IF AMP

**D3 MA1036M**  
REGULATOR



**IC101 BA527**  
POWER AMP

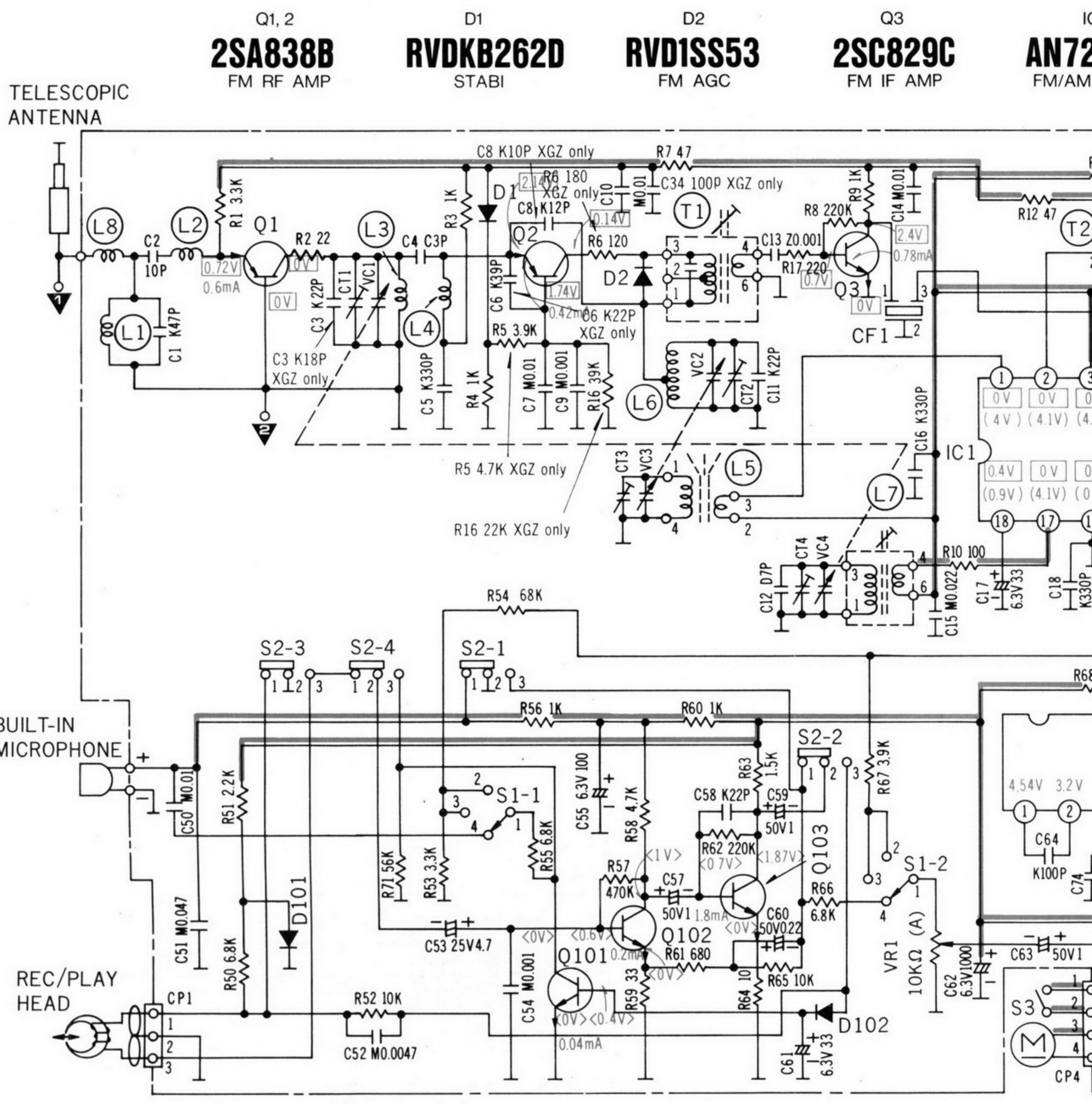
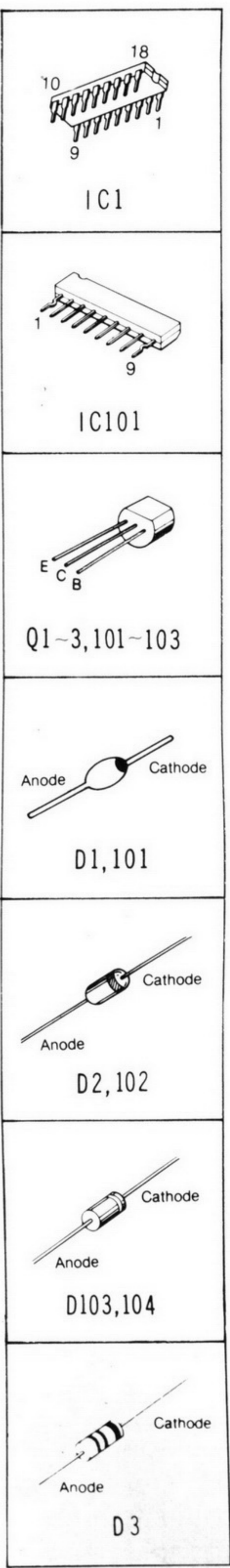
**D103, 104 RVD10E1**  
RECT

No signal (Radio).....30mA    Maximum output (Radio)..... 275mA  
 Maximum output (Tape)..... 350mA.

Control.  
 Now test position. **▼** : Test point 1.  
 notice

on this schematic diagram incorporates special features  
 protection from fire and electrical shock hazards.  
 is essential that only manufacturer's specified parts be  
 al components in the shaded areas of the schematic.

**SCHEMATIC DIAGRAM MODEL**



Q1, 2 **2SA838B** FM RF AMP  
 D1 **RVDKB262D** STABI  
 D2 **RVD1SS53** FM AGC  
 Q3 **2SC829C** FM IF AMP  
 IC101 **BA5200** POWER AMP

D101 **RVDKB262C** REC AOC  
 Q101 **2SC1684** REC AGC  
 Q102, 103 **2SC1684** EQ AMP  
 D102 **MA150FV** REC AGC  
 IC101 **BA5200** POWER AMP

**Notes:**

- S1-1~S1-4: Selector switch in "Tape" position.  
(2.....AM, 3.....FM, 4.....Tape)
- S2-1~S2-4: Playback/Rec selector switch in "Play" position.  
(1.....Playback, 3.....Record)
- S4: Motor ON/OFF switch in "OFF" position.
- S3: AC/Battery switch in "Battery" position.  
(2.....AC, 3.....Battery)
- DC voltage measurements are taken with VTVM from negative voltage line.  
□..... FM position, ( )..... AM position, < >..... Tape position.
- Battery current No signal (Radio)..... Tape play.....
- VR1.....Volume Control.
- The mark (▼) Show test position. ▼
- Important safety notice  
The shaded area on this schematic diagram is important for protection from fire and electric shock. When servicing it is essential that only qualified personnel use the critical components in the shaded area.

# Service Manual

Radio Cassette

FM/AM Radio Cassette Recorder

## RX-1220S



### ■ SPECIFICATIONS

Power Requirement: AC 220V 50Hz or (Four "D" Size Flashlight Batteries.) (Panasonic UM-1 or Equivalent)

Power Consumption: 5W

Power Output: 1.1W (RMS Max)  
0.9W (MPO)  
0.6W (Sweden DIN)

Frequency Range: 90~6,000Hz

Recording System: DC Bias, Magnet Erase

Tape Speed: 4.8 cm/s (1 $\frac{7}{8}$  ips.)

Fast Forward And

Rewind Time: 120 Seconds With C-60  
Cassette Tape

Track System: 2-Track 1-Channel  
Playback and Monaural Recording

Speaker: 3 $\frac{1}{2}$ " (9cm) PM Dynamic Speaker (3.2  $\Omega$ )

Radio Frequency Range: FM: 87.5~108MHz  
AM: 520~1610KHz

Intermediate Frequency: FM 10.7MHz  
AM 455KHz

Sensitivity: FM: 4.2 $\mu$ V For -6dB Limit  
AM: 68 $\mu$ V/m For 50mW Output

Dimensions: 292(W) $\times$ 185(H) $\times$ 103(D)mm  
(11 $\frac{1}{2}$ " $\times$ 7 $\frac{5}{16}$ " $\times$ 4 $\frac{1}{16}$ ")

Weight: 1.5kg (3 lb 4.9 oz) Without Batteries

Specifications are subject to change without notice.

# Panasonic

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