

# Service Manual

Stereo Radio Cassette Recorder

Radio Cassette

## RX-FT570

Colour

(K) . . . . . Black Type

Area

Suffix for Model No.	Area	Colour
(E)	Continental Europe	(K)
(EB)	Great Britain	
(EG)	F. R. Germany/Italy	



### TAPE DECK : LRD/YM MECHANISM SERIES

#### ■ SPECIFICATIONS

##### ■ GENERAL

Power Requirement	AC; 230 – 240V, 50 Hz Battery; 9V (six R20/LR20, UM-1 batteries)
Power Consumption	16 W (AC only)
Speaker	2 x Woofers; 2.7 Ω, 10cm 2 x Tweeters; 1.5cm
Jacks	
Input	CD/LINE IN; 398 mV/47kΩ
Output	HEADPHONE; (32Ω)
Dimensions	566 (W) x 146 (H) x 160 (D) mm
Weight	3.0 kg without batteries.

##### ■ RADIO

Radio Frequency Range	FM; 87.5 ~ 108MHz LW; 148.5 ~ 285 kHz MW; 520 ~ 1610kHz SW; 5.9 ~ 18 MHz
Intermediate Frequency	FM; 10.7MHz AM; 459kHz
Sensitivity	FM; 12 dB/50mW output LW; 55 dB/m/50mW output MW; 51 dB/m/50mW output SW; 22 dB/50mW output

##### ■ TAPE RECORDER

Frequency Range	70 ~ 12,000Hz (with Normal Tape)
Recording System	AC bias, Magnet erase
Tape Speed	4.8cm/s
Track System	4-track 2-channel stereo recording and playback

#### Notes :

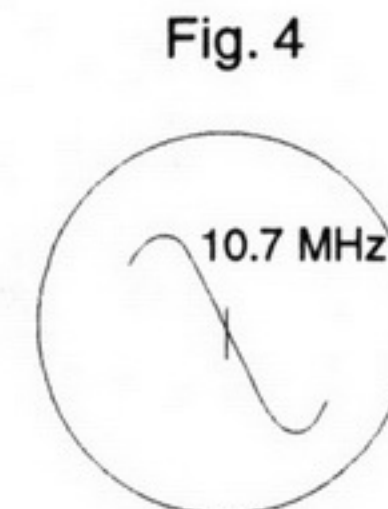
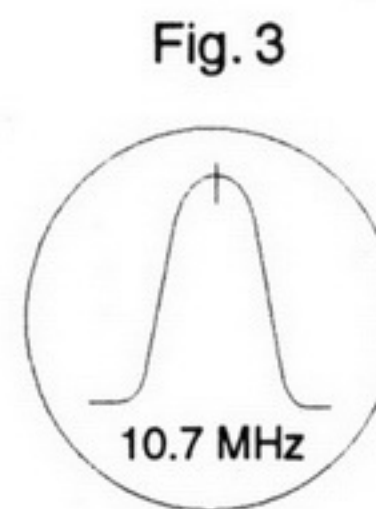
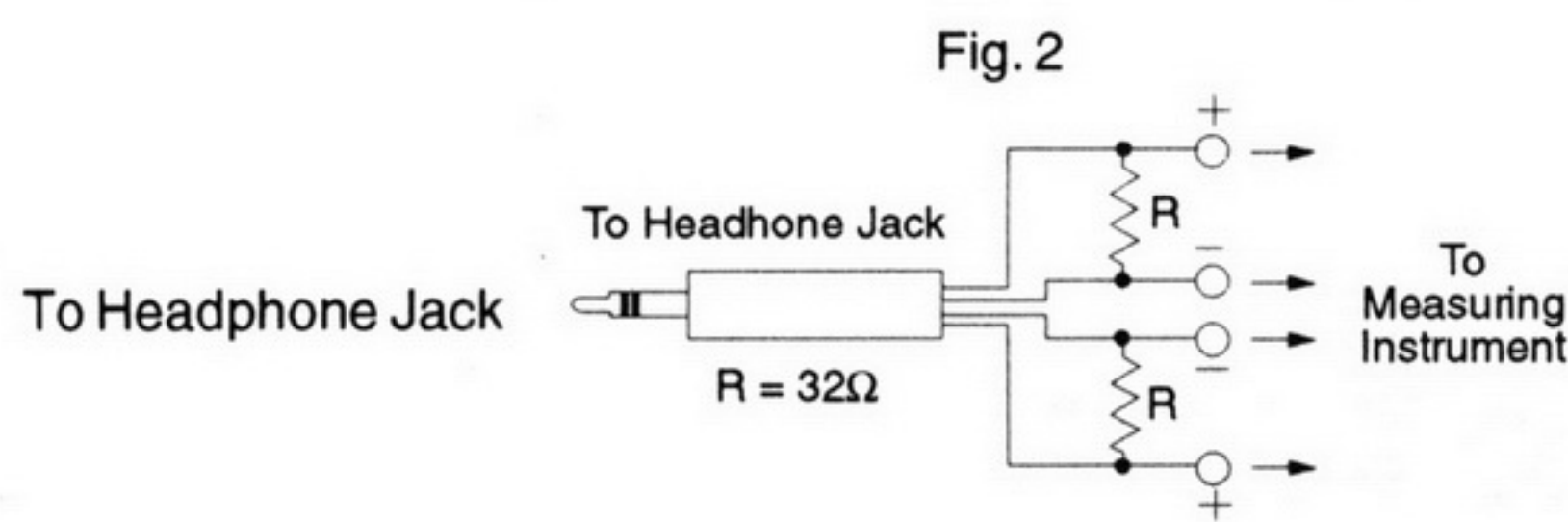
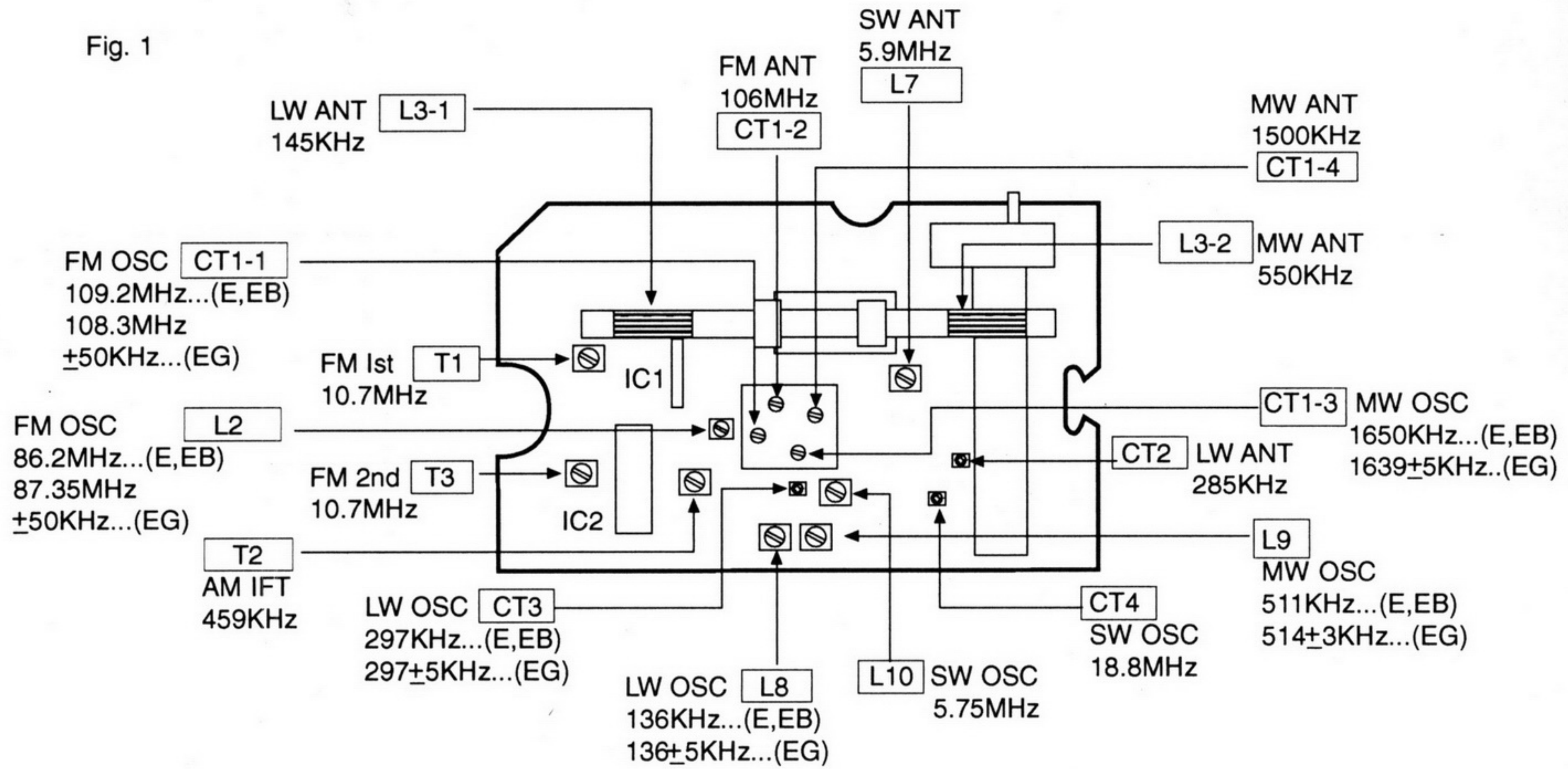
1. Weights and dimensions shown are approximate.
2. Design and specifications are subject to change without notice.

# Panasonic

**ALIGNMENT POINT**

• Please refer to Circuit Board and Wiring Connection Diagram for test point locations.

Fig. 1



**TERMINAL GUIDE OF ICs, TRANSISTORS & DIODES**

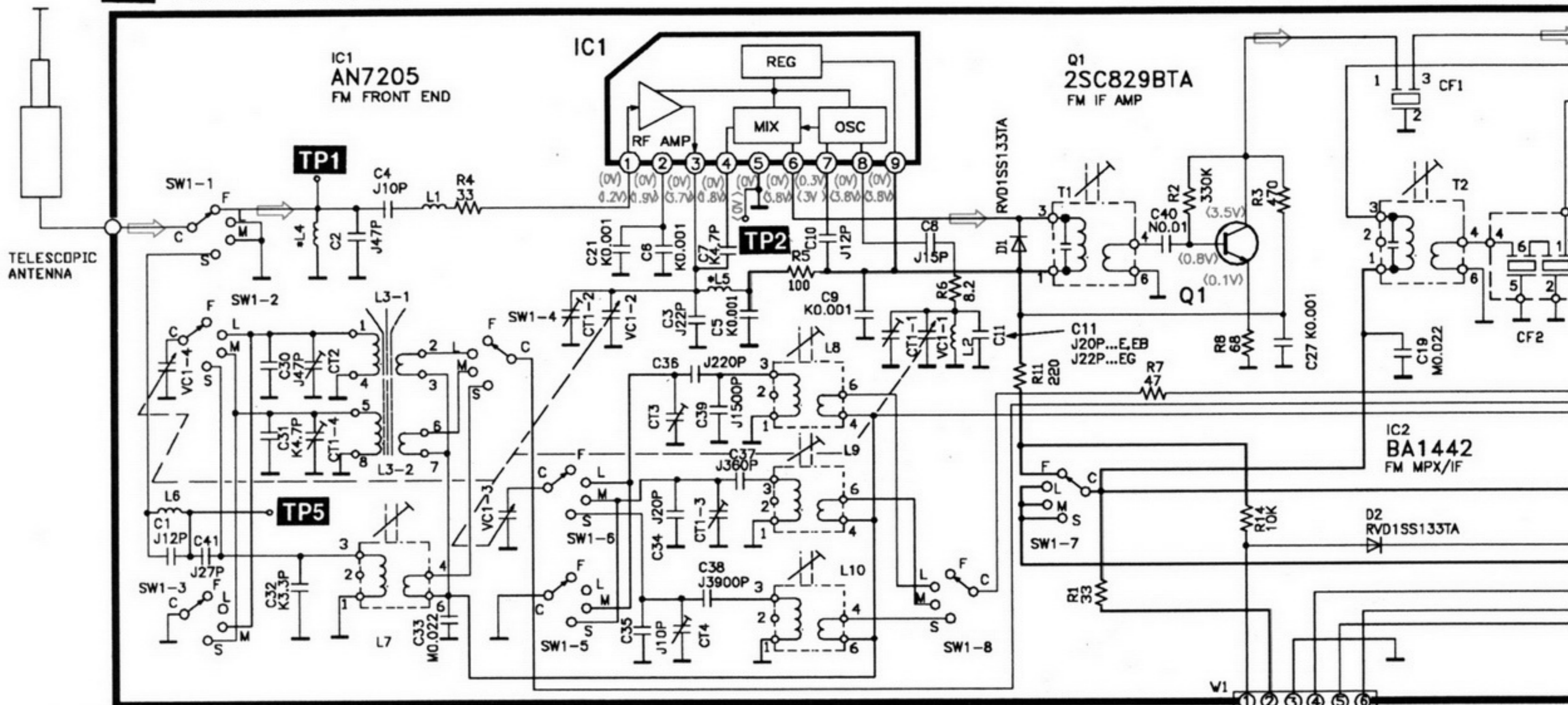
<p>AN7205</p>	<p>BA1442</p>	<p>AN7317</p>	<p>RVILA4108R</p>	<p>BA1A4MTA BN1L3NTA</p>
<p>LN28RPH</p>	<p>RVD1SS133TA RVD1SR35TR</p>	<p>RVDMTZ6R8BTA</p>	<p>2SC1684RTA 2SC1684STA 2SC2001K1TA 2SA564RTA 2SC829BTA</p>	
<p>2SK301QTA</p>				

# SCHEMATIC DIAGRAM

1 2 3 4 5

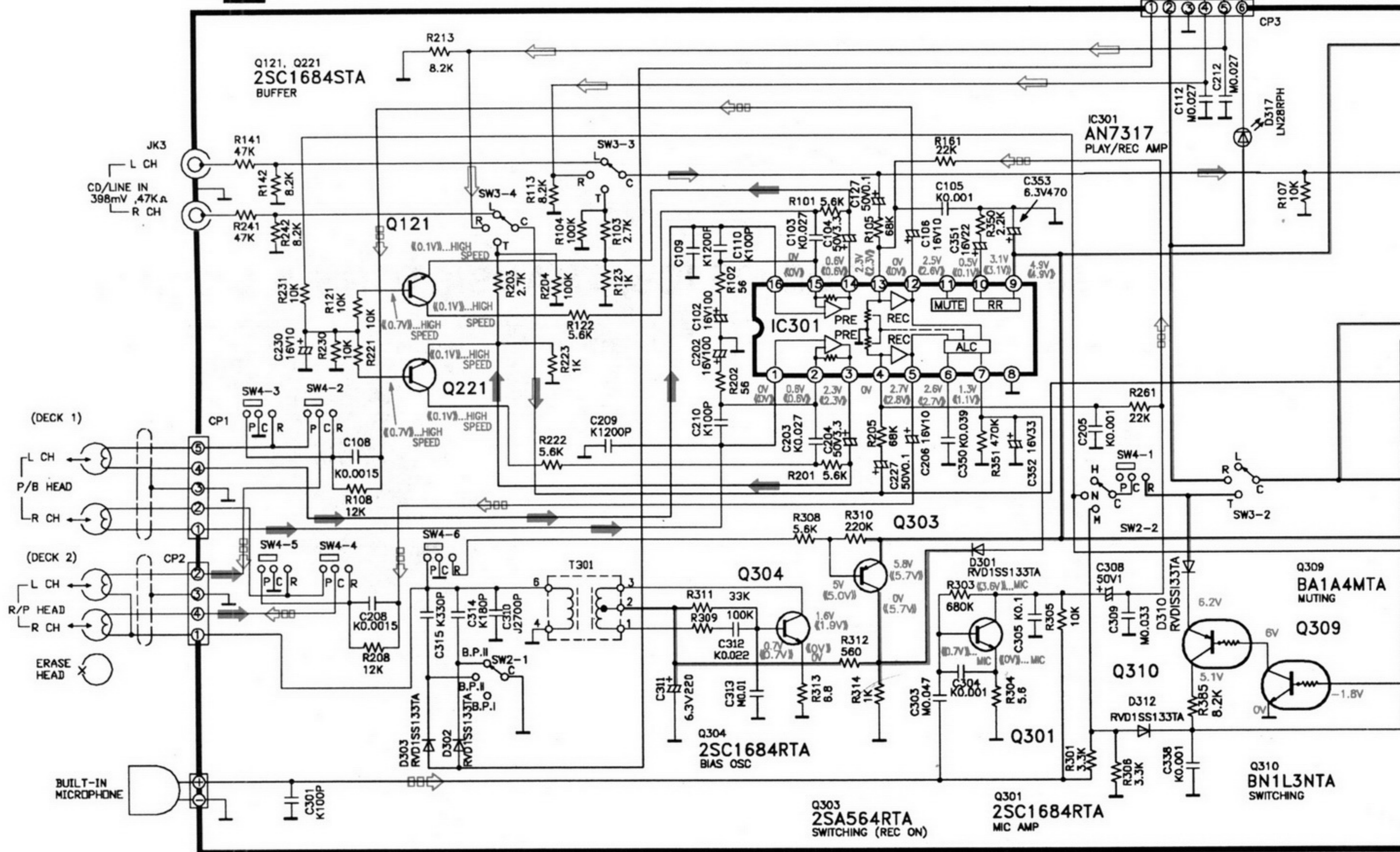
A

## A TUNER CIRCUIT



B

## B MAIN CIRCUIT



D

E

F

5

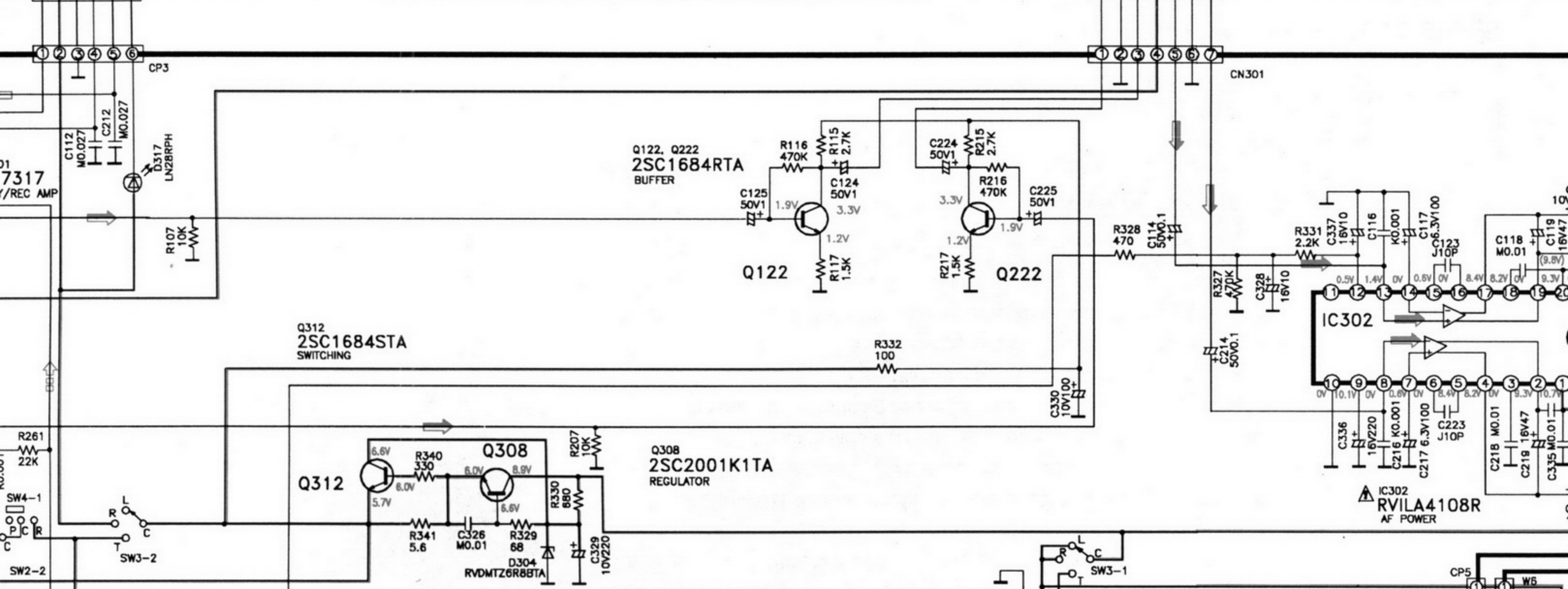
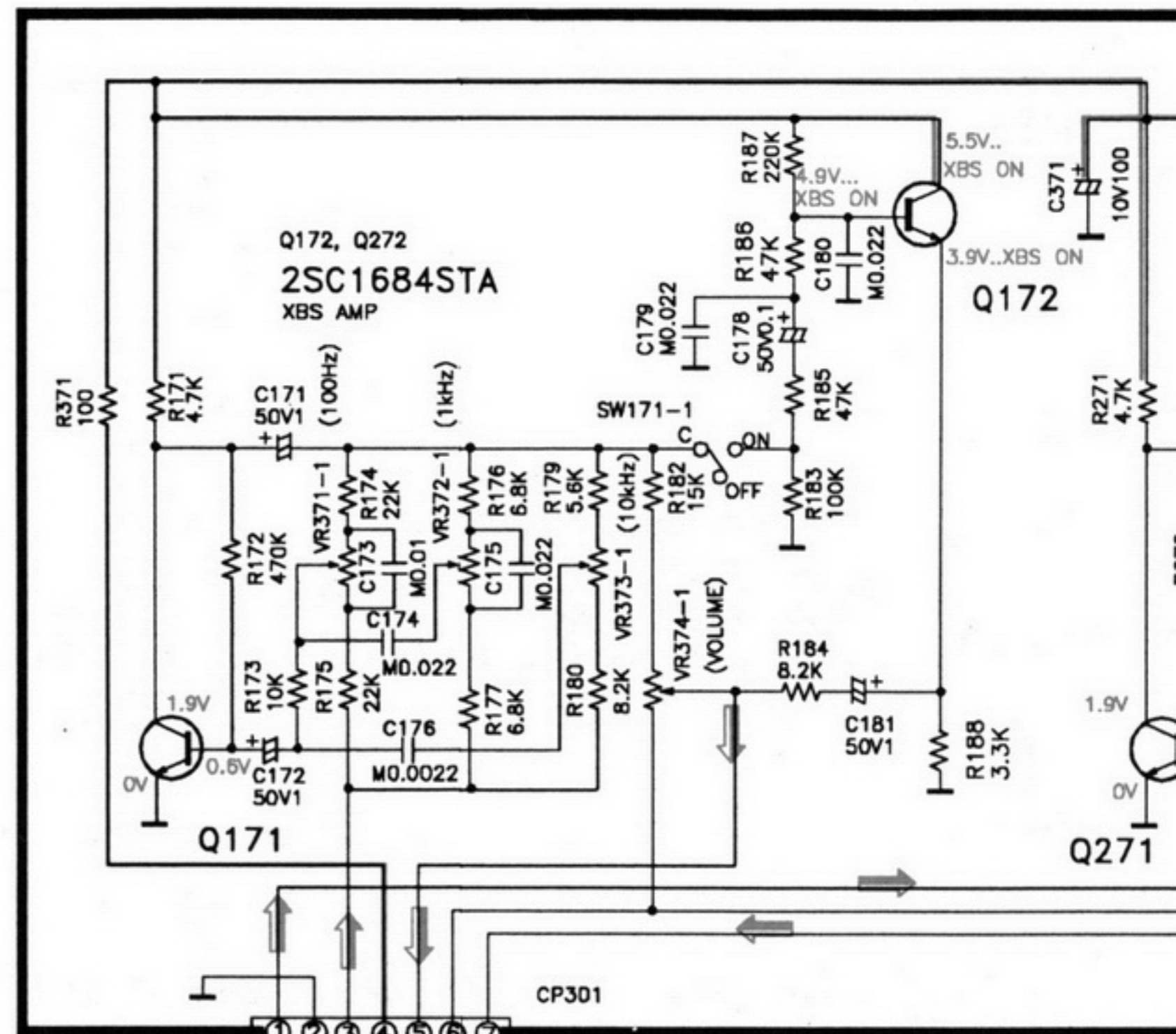
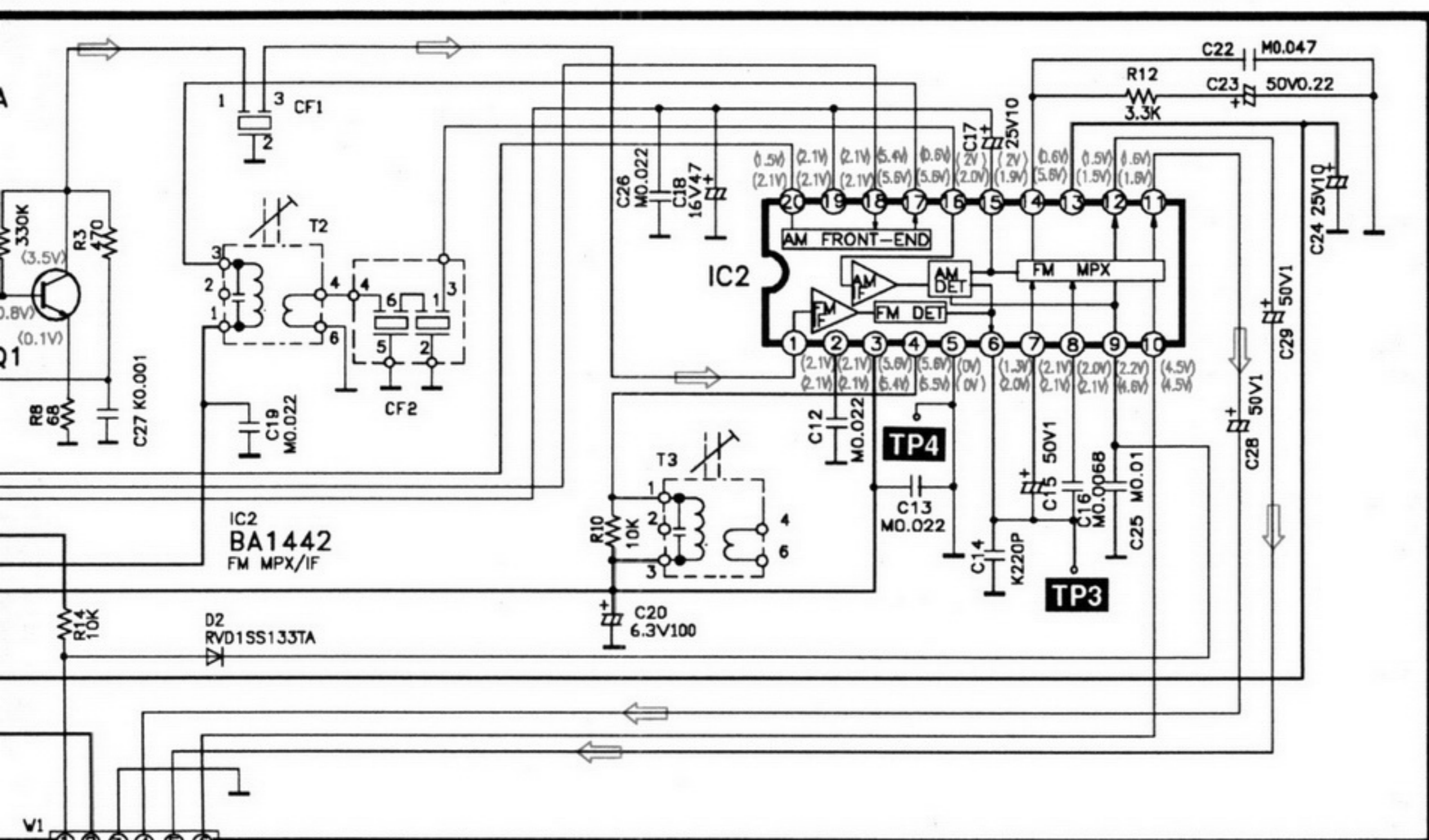
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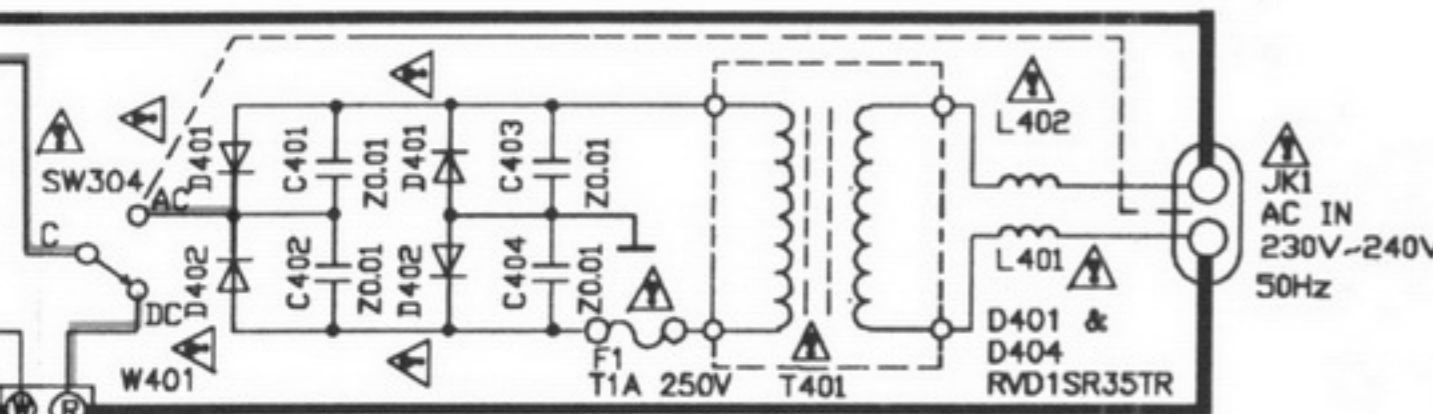
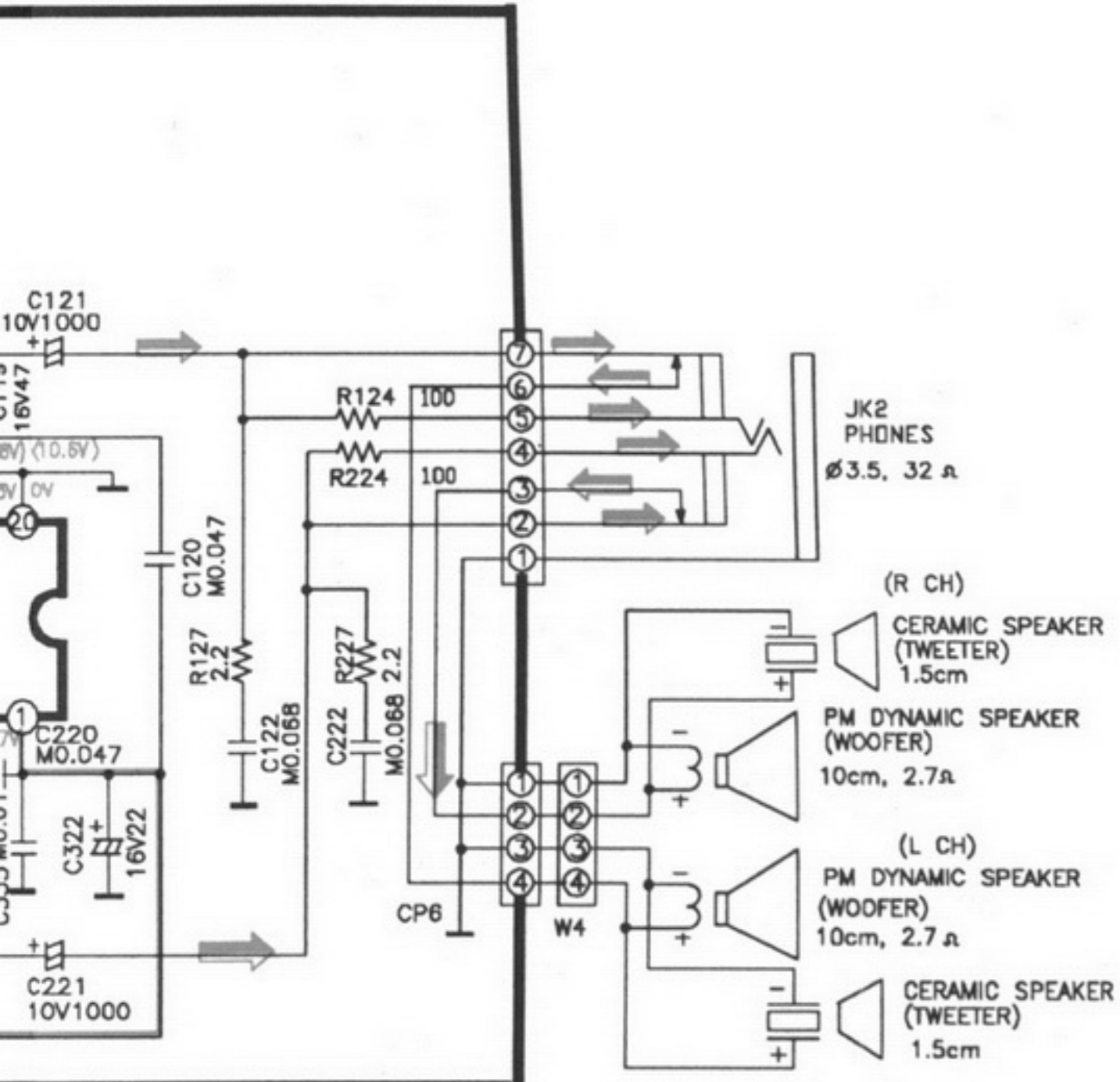
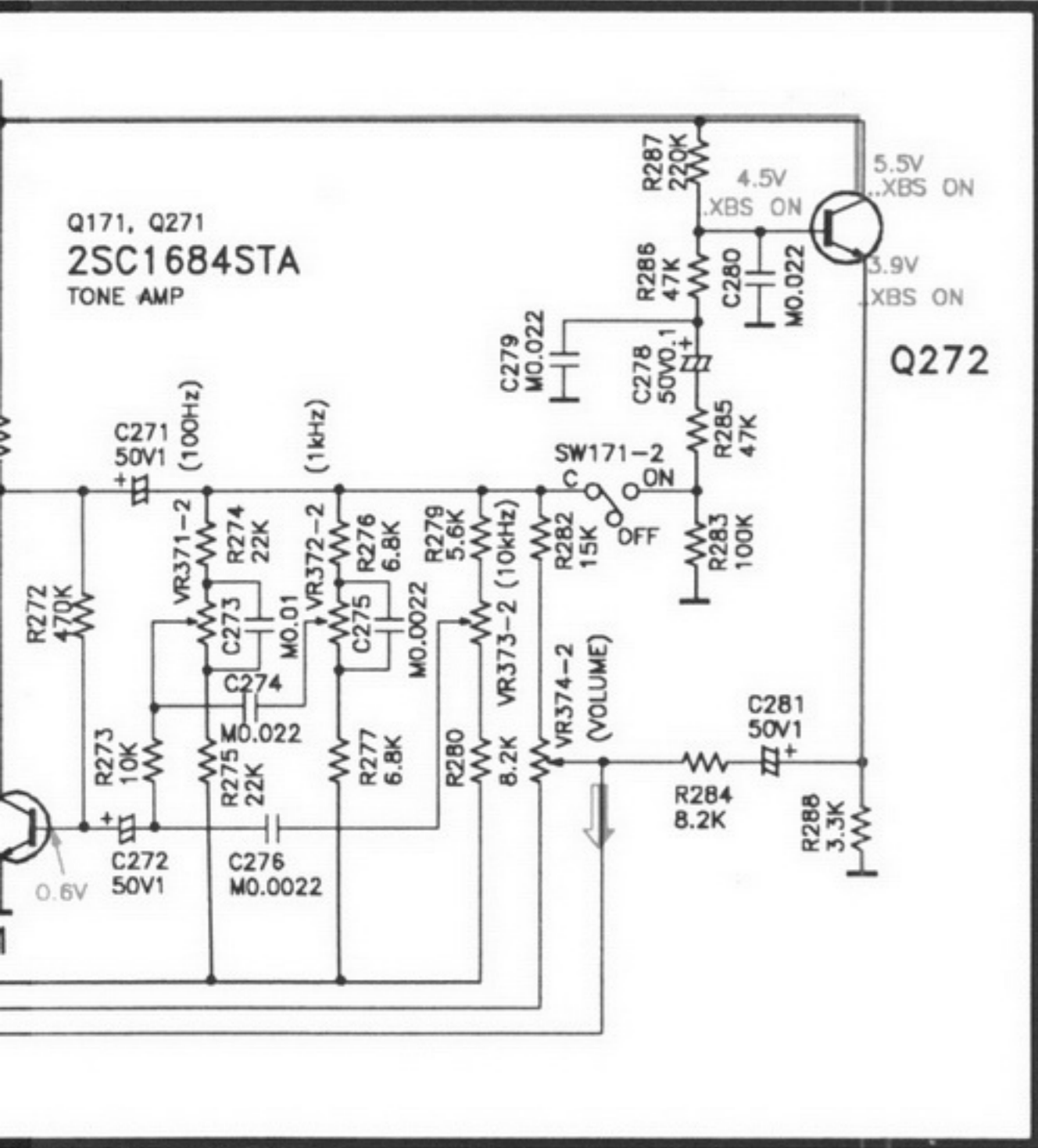
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9

C GEQ CIRCUIT



D MECHANISM CON



POWER SUPPLY CIRCUIT

CONTROL CIRCUIT

NOTES:

- SW1-1 ~ SW1-8 : Band select switch in "FM" position.  
(S ... SW, M...MW, L...LW, F...FM)
- SW2-1 ~ SW2-2 : Editing/B.P select switch in "HIGH/II" position.  
(M ... MIC, N ... NORMAL, H ... HIGH;  
BPI ... Beat Proof I, BPII ... Beat Proof II)
- SW3-1 ~ SW3-4 : Selector switch in "[CD]/LINE" position.  
(T ... TAPE/[OFF], R ... RADIO, L ... [CD]/LINE)
- SW4-1 ~ SW4-6 : Record/Playback switch in "PLAYBACK" position.  
(R ... RECORD, P ... PLAYBACK)
- SW171-1 ~ SW171-2 : XBS switch in "OFF" position.
- SW304 : AC/DC select switch in "DC" position.
- SW601 : Deck 1 playback switch.
- SW605 : Deck 2 Motor switch in "OFF" position.
- SW606 : Deck 1 Motor switch in "OFF" position.
- VR371-1 ~ VR371-2 : GEQ (100 Hz)/ XBS level control.
- VR372-1 ~ VR372-2 : GEQ (1 kHz) control.
- VR373-1 ~ VR373-2 : GEQ (10 kHz) control.
- VR374-1 ~ VR374-2 : Volume level control.
- VR401 : Tape Speed control VR.

- Battery Current : Radio ..... 207.5mA  
Tape ..... 280mA  
Recording ..... 200mA

( Measurement condition:  
Radio: FM 60 dB, 30%mod  
AM 74 dB, 30%mod  
Tape: 315 Hz, 0dB  
Tone: centre )

• DC voltage measurements are taken with electronic voltmeter from negative terminal of battery.

• \*L4 and \*L5 are printed coils formed on the P.C.B and thus not found in the Replacement Parts List.

• No mark ... Playback < > ... FM ( ) ... AM(SW/MW/LW)  
<< >> ... REC

• Important Safety Notice:  
Component identified by  $\Delta$  have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

• This schematic diagram may be modified at anytime with the development of new technology.

