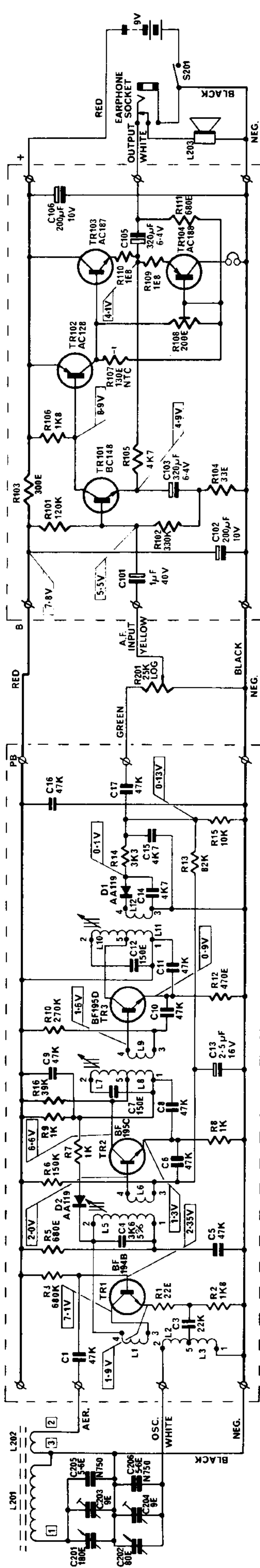
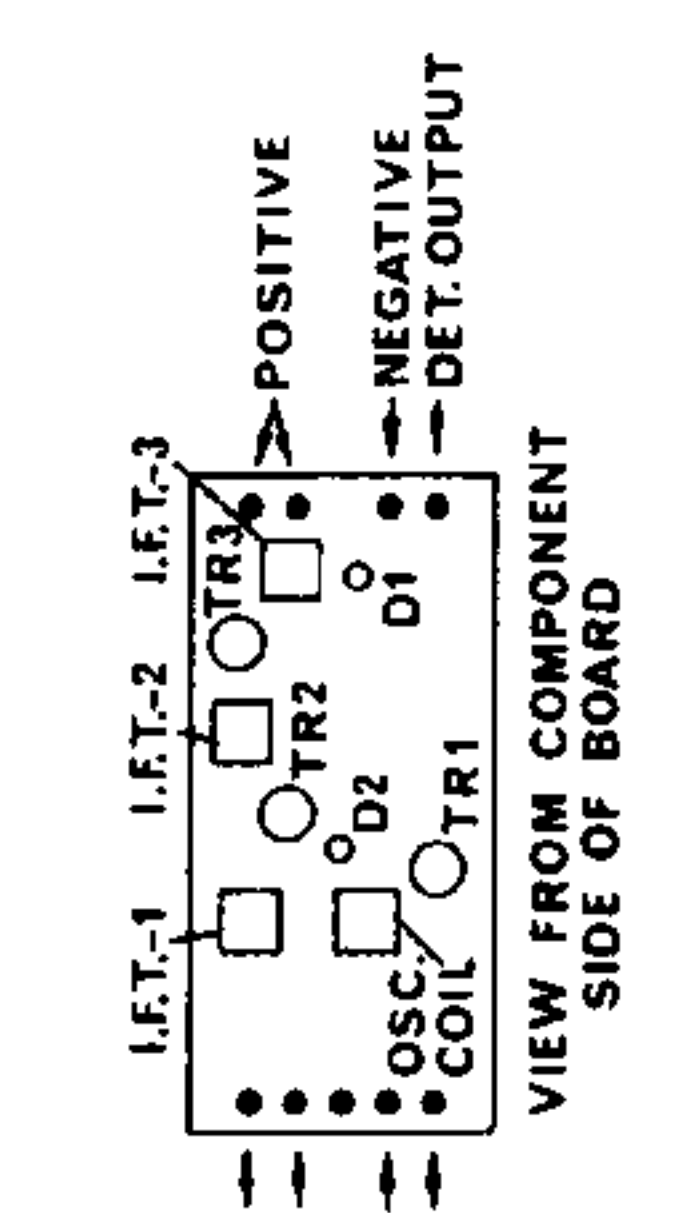
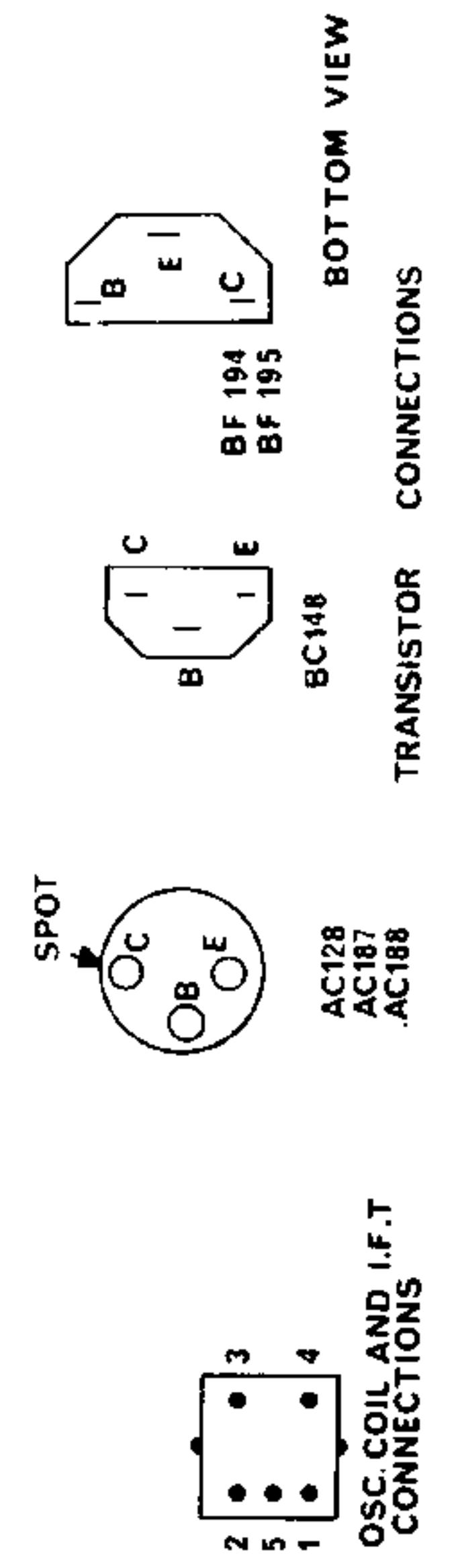
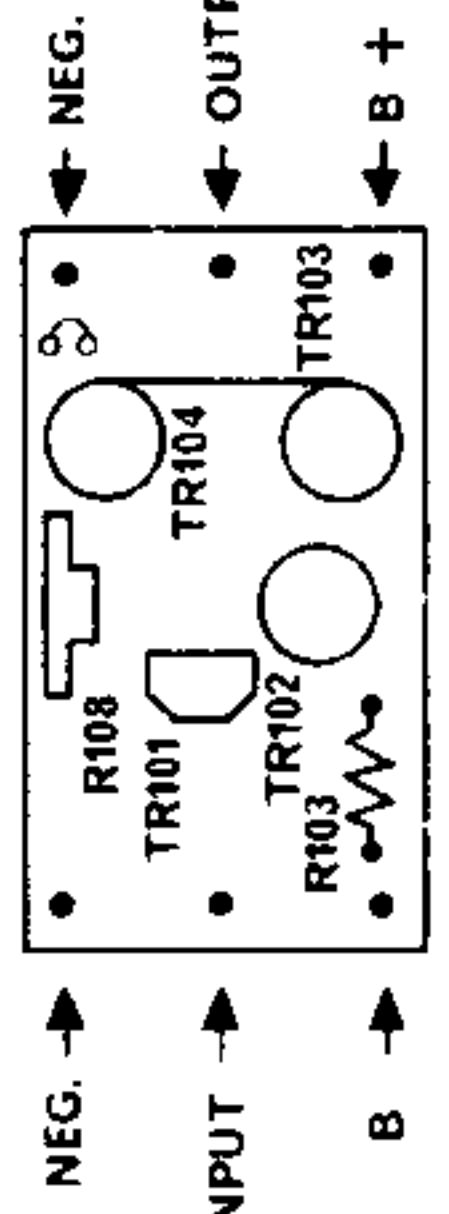


UA411

UF311



METERING POINTS



AERIAL CONNECTIONS

VIEW FROM COMPONENT SIDE OF BOARD

TRANSISTOR CONNECTIONS

OSC. COIL AND I.F.T. CONNECTIONS

VIEW FROM COMPONENT SIDE OF BOARD

COMP	ZONE	COMP	ZONE	COMP	ZONE
C201	1B	R201	12C	S201	20D
C202	1C				
C203	2B	L201	2B		
C204	1C	L202	2B		
C205	2B	L203	19D		
C206	2C				

NOTES:  
 S201 MOUNTED ON VOLUME CONTROL R201.  
 L203 MSP TYPE 275 JB-33-K10 CONE.

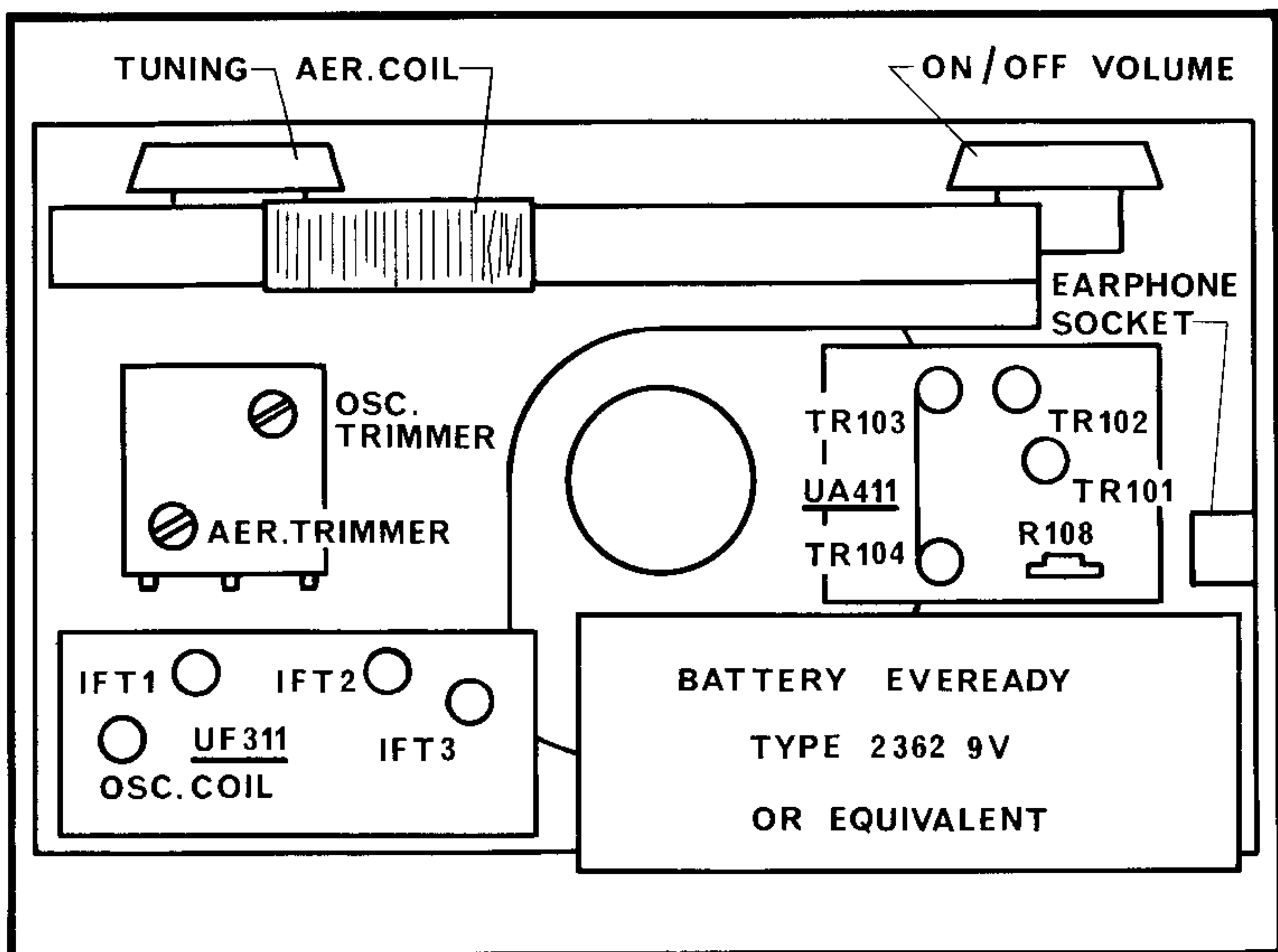
POINT	ZONE	UNIT	MODEL APPLICATION
PB 11A	78V		
R	± 10%	1/2 W.	
C	C206 = ± 1/2 pf.		
TOLERANCES			



## PRELIMINARY SERVICE INFORMATION SPECIFICATIONS.

### ALIGNMENT FREQUENCIES

I.F.	455 kHz
OSC. COIL	520 kHz
OSC. TRIMMER	1620 kHz
AERIAL COIL	600 kHz
AERIAL TRIMMER	1500 kHz



# PHILIPS

# Service

## notes

# RADIO RL271



### SPECIFICATIONS

Tuning range	520-1620 KHz
Intermediate frequency	455 KHz
Battery supply	Type 2362 (9v.)
Battery consumption	See table below
Audio module	Type UA411
RF module	Type UF311

### OUTPUT TRANSISTOR ADJUSTMENT

Metering point facilitates easy insertion of a meter for adjustment of output transistor current by means of R108. Current to be adjusted at no signal in accordance with the following table. This table also includes total receiver current.

Temp.°F	TR103/104 Current MA	Receiver Current MA
50	6.5	16.7
55	6.6	17.0
60	6.7	17.2
65	6.8	17.4
70	6.9	17.6
75	7.0	17.9
80	7.1	18.1
85	7.2	18.3
90	7.3	18.5
95	7.4	18.8
100	7.5	19.0
105	7.6	19.2
110	7.7	19.4
115	7.8	19.7

### ALIGNMENT

The location of the various trimming points used in alignment is shown on circuit and interconnection drawings.

### I.F. ALIGNMENT

Connect signal generator via I.F. dummy to base of TR1. Put volume control to maximum. Detune I.F. coils by screwing out cores about one turn. Peak cores in the following order and at the quoted frequencies.

Detector coil	457.5 KHz
IFT 2	457 KHz
IFT 1	453.3 KHz

### R.F. ALIGNMENT

Fully open the tuning capacitor, set the centre of the cursor to coincide with the RH end of the silver rectangle at the left of 16" and peak the oscillator trimmer at 1620 KHz. Connect signal generator via a coupling loop around the rod aerial assembly. Put volume control at maximum. Fully close the tuning capacitor and peak the oscillator coil core at 520 KHz. Repeat these two operations until the band end setting is correct. Tune to 600 KHz (7ZL) and adjust aerial coil for maximum output. Tune to 1500 KHz (3AK) and adjust aerial trimmer for maximum output. Repeat these two operations for correct tracking. Seal aerial coil to rod.