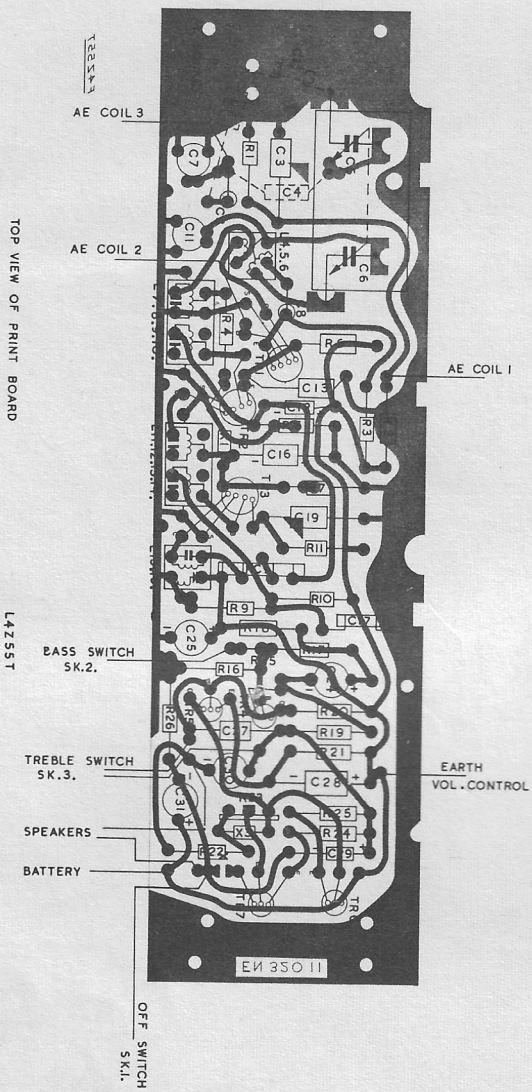
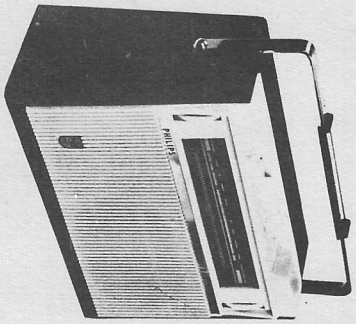
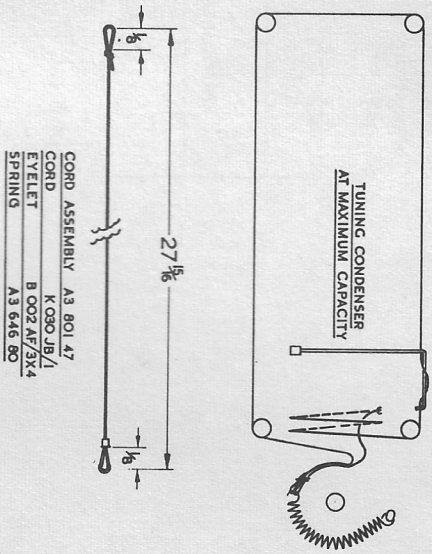
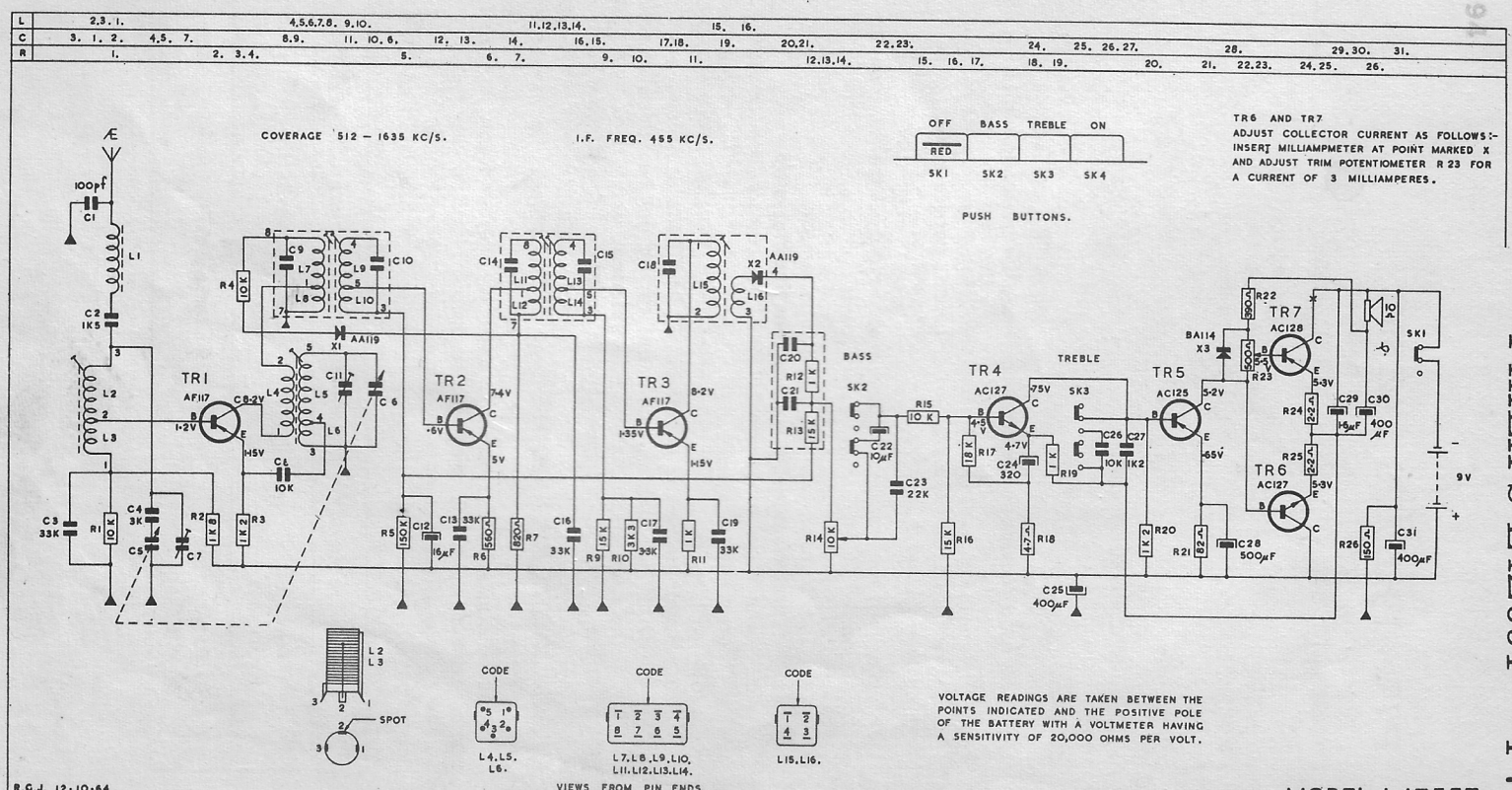








PHILIPS L4Z55T P77

MODEL L4Z55T

P77 PHILIPS L4Z55T

TRANSISTORS	CONTROLS	LOUDSPEAKER
3 x AF 117 1 x AC 127 1 x AC 125 1 x AC 127 1 x AC 128	Tuning Control Volume Control 4 Push-buttons Off, Tone 1 & 2, On.	1 x AD 3460 TM/06

ALIGNMENT INSTRUCTIONS

General

(1) The load impedance across the speaker outlet leads is 10 ohms.

(2) With volume control minimum the total current consumption of the set with 9 volt supply at an ambient temperature of 20 °C should be between 12 and 16 M/a.

(3) To adjust the collector current of the output transistors, proceed as follows:-

(a) Turn Volume Control down to minimum.
(b) Turn trimpot R23 to the right against stop.
(c) Insert meter (range 10 Ma) in collector-line of TR 6 at point X on circuit.
(d) Adjust collector current of TR 7 (AC 128) at a battery voltage of 9 volt by means of trimpot R23 to 3 Ma at an ambient temperature of 20 °C. This adjustment should not be normally necessary unless the transistors have been replaced.

(4) For the position of trimmers and coils see the trimmer location diagrams:-

I.F. ALIGNMENT INSTRUCTIONS

Turn tuning condenser to minimum capacity (higher frequency) and the volume control to maximum. Keep the audio output level constant at approximately 50 Mw during alignment operations.
Screw out all cores of I.F. transformers except L15-L16 and L7-L8.

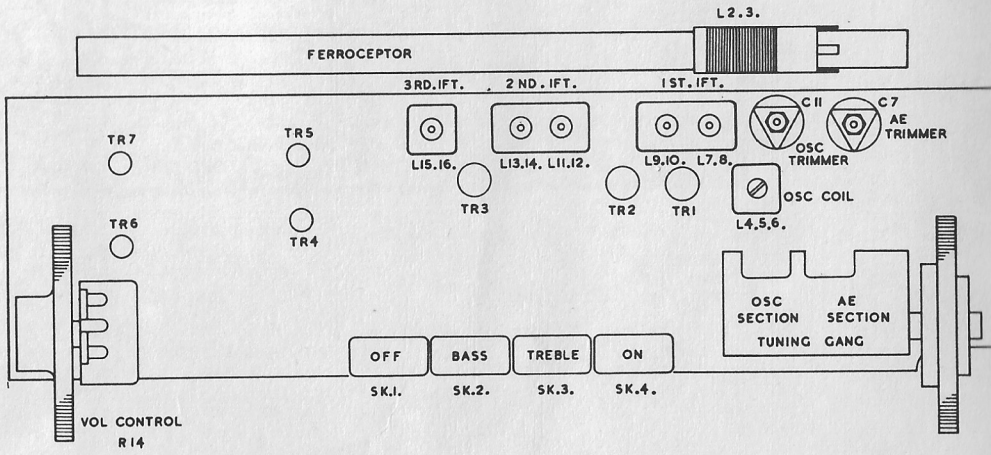
Trimming Frequency	Connect Signal Generator	Adjust for Max. Output
455 Kc Modulated 30%	Via 33K pfd to base TR 2	Cores L15-16, L11-12, & L13-14.
455 Kc Modulated 30%	Via 33K pfd to base TR 1	Cores L7-8 and L9-10.

R.F. CIRCUIT ALIGNMENT

The local oscillator is at a higher frequency than the signal frequency.
Coverage = 512 to 1635 Kc.
Connect signal generator via Standard Dummy aerial to the aerial socket of receiver.

Trimming Frequency	Gang Position	Trim for Max. Output
512 Kc Modulated 30%	Fully closed. Maximum capacity	L4-6 oscillator core L2-3 aerial coil on rod
1635 Kc Modulated 30%	Fully open. Minimum capacity	L11 oscillator trimmer C7 aerial trimmer

Repeat the RF Alignment once more as above.



TRIMMER LOCATION DIAGRAM
MODEL L4Z55T