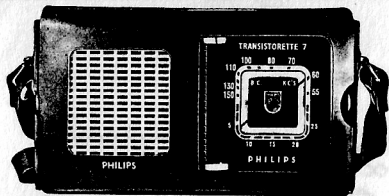


P72 PHILIPS L1Z55T



TRANSISTORS

- 1 x OC44
- 2 x OC45
- 2 x OC71
- 2 x OC72

CONTROLS

- 1. Tuning Control
- 2. ON/OFF Switch
- 3. Volume Control

LOUDSPEAKER

- 1 x AD 2216Z

GENERAL INFORMATION

1. The load impedance across the secondary of the output transformer is 10 ohms.
2. With volume control minimum the total current consumption of the set at 4.5 volts should be between 7 and 10 milliamps.
3. The local oscillator is at a higher frequency than the signal frequency.
4. For the position of trimmers and coils see the mechanical layout diagram.

I.F. ALIGNMENT INSTRUCTIONS

To obtain the correct bandwidth it is important to adjust the I.F. circuits exactly to the frequencies given in the trimming table.

1. Short out Aerial winding L'
2. Turn tuning condenser to minimum capacity (higher frequency)
3. Volume control maximum.

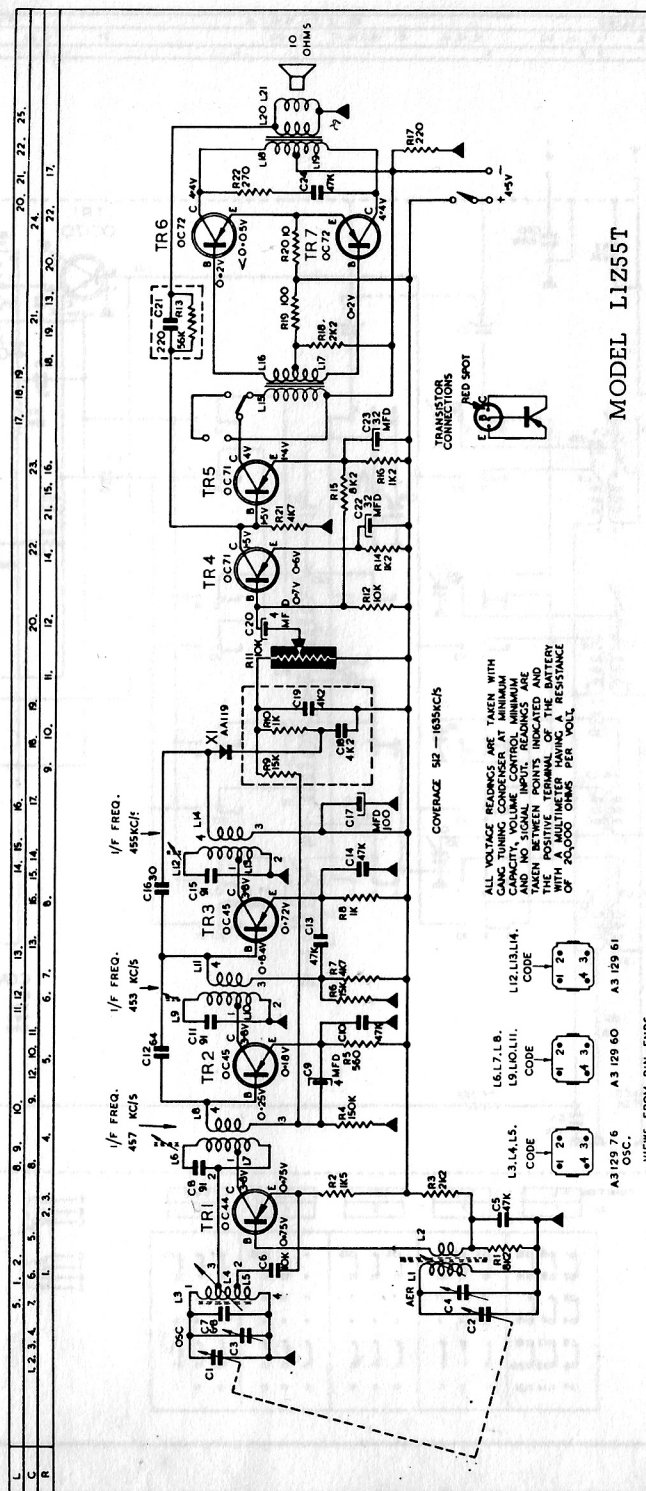
Trimming Freq.	Damping	Adjust for Max. output
455KC VIA 33K pfd to Collector of TR 1	1000 pfd C TR 2 - earth	L12 - 13 -
453KC VIA 33K pfd to Collector of TR 1	REMOVE	L9 - 10
457KC VIA 100K resistor to Collector of TR 1	1000 pfd C TR 2- earth	L6 - 7

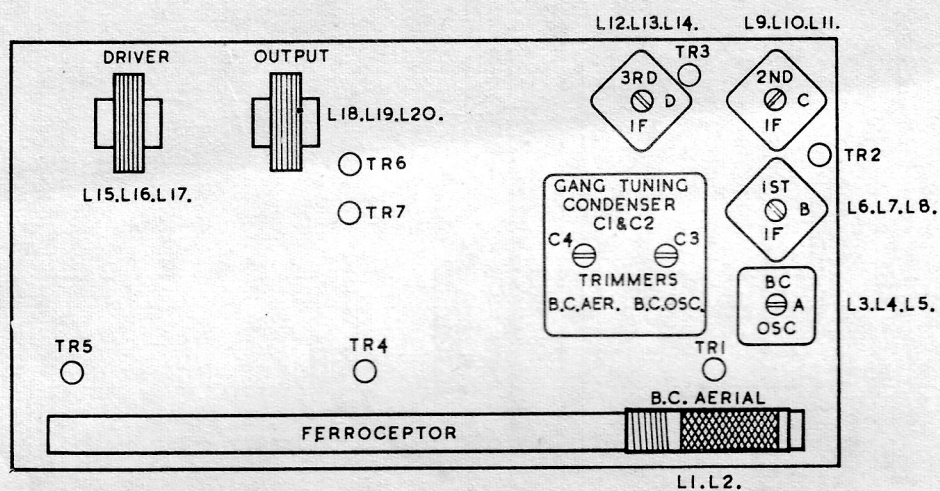
R.F. CIRCUIT ALIGNMENT

Apply a signal via coupling frame aerial.

Trimming Freq.	Tuning Condenser	Adjust for Max. output
600KC	600KC	Osc. coil 3-4-5
1500 KC	1500KC	Osc. trimmer C3
600KC	600KC	Damp L1 aerial with a 10K resistor, tune set, remove resistor then adjust L1 on Rod Aerial.
1500 KC	1500KC	Tune set, then adjust Aerial trimmer C4 while rocking gang.

Repeat Aerial circuit alignment again.





TRIMMER	LOCATION	DIAGRAM	MODEL	L1Z55T
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       	STANDARD D18		25 35 35 75	3" 1" 1" 0.1"	1 1 1 1	078 039 090	23.0 35.0 35.0	0.2" 0.1" 0.05"	1.0 1.0 1.0	207 004 007	STANDARD D19	
ROUGHNESS	SCALE	EUROPEAN PROJECTION	AMERICAN PROJECTION	ASSEMBLY No.		QTY.		H4, H6, H7, H9, H11 H7, H4, H6, G4, G7, F8, G9, F11				STANDARD D17
MATERIAL				MODEL								
FINISH				QUANTITY								
				CODE No.				FORM				
				SH. No.				OF				
				SUPERS.								
DRAWN R. G. J.				DATE 16-8-65				PHILIPS ELECTRICAL INDUSTRIES OF NEW ZEALAND LIMITED				

