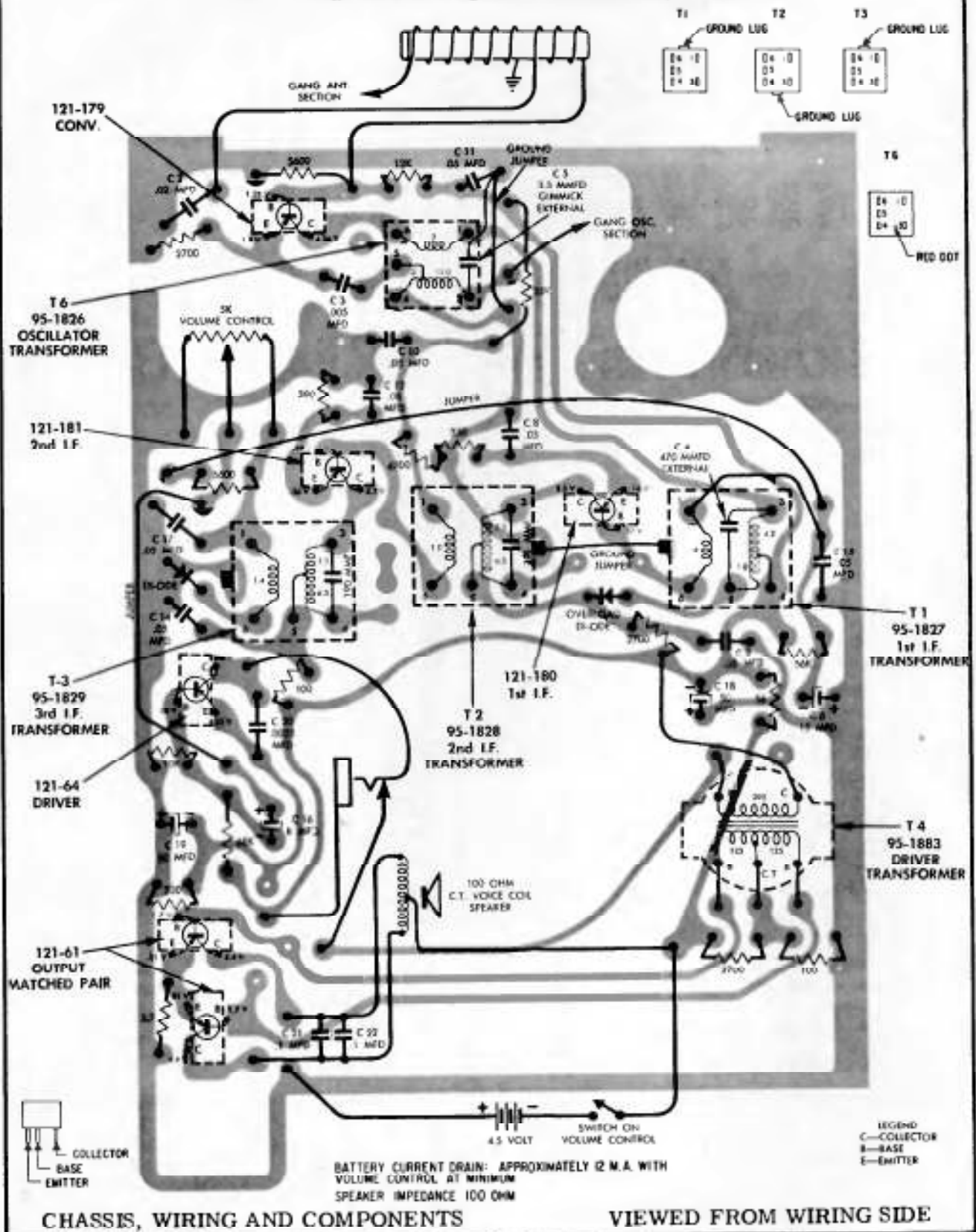
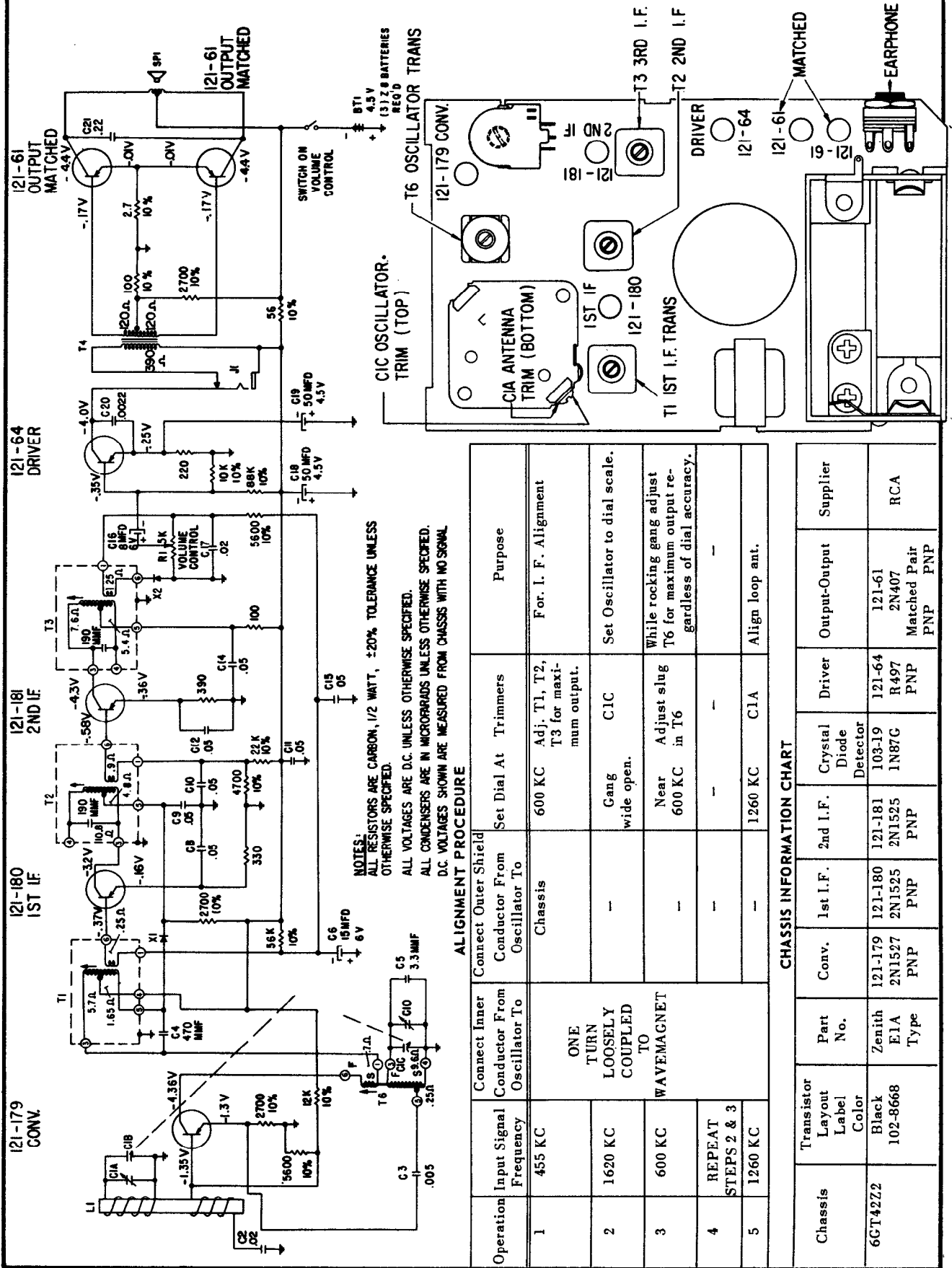


ZENITH RADIO Model Royal 150, Chassis 6GT42Z2
(Circuit diagram and alignment on next page, at right)



VOLUME R-22, MOST-OFTEN-NEEDED 1962 RADIO SERVICING INFORMATION

ZENITH RADIO Model Royal 150, Chassis 6GT42Z2, Continued



NOTES:
 ALL RESISTORS ARE CARBON, 1/2 WATT, ±20% TOLERANCE UNLESS OTHERWISE SPECIFIED.
 ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED.
 ALL CONDENSERS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
 D.C. VOLTAGES SHOWN ARE MEASURED FROM CHASSIS WITH NO SIGNAL.

ALIGNMENT PROCEDURE

Operation	Input Signal Frequency	Connect Inner Conductor From Oscillator To	Connect Outer Shield Conductor From Oscillator To	Set Dial At Trimmers	Purpose
1	455 KC	ONE TURN LOOSELY COUPLED TO WAVEMAGNET	Chassis	600 KC Adj. T1, T2, T3 for maximum output.	For. I. F. Alignment
2	1620 KC			Gang C1C wide open.	Set Oscillator to dial scale.
3	600 KC			Near 600 KC in T6	While rocking gang adjust T6 for maximum output regardless of dial accuracy.
4	REPEAT STEPS 2 & 3				
5	1260 KC			1260 KC C1A	Align loop ant.

CHASSIS INFORMATION CHART

Chassis	Transistor Layout Label Color	Part No.	Conv.	1st I.F.	2nd I.F.	Crystal Diode Detector	Driver	Output-Output	Supplier
6GT42Z2	Black 102-8668	Zenith E1A Type	121-179 2N1527 PNP	121-180 2N1525 PNP	121-181 2N1525 PNP	103-19 1N87C	121-64 R497 PNP	121-61 2N407 Matched Pair PNP	RCA