

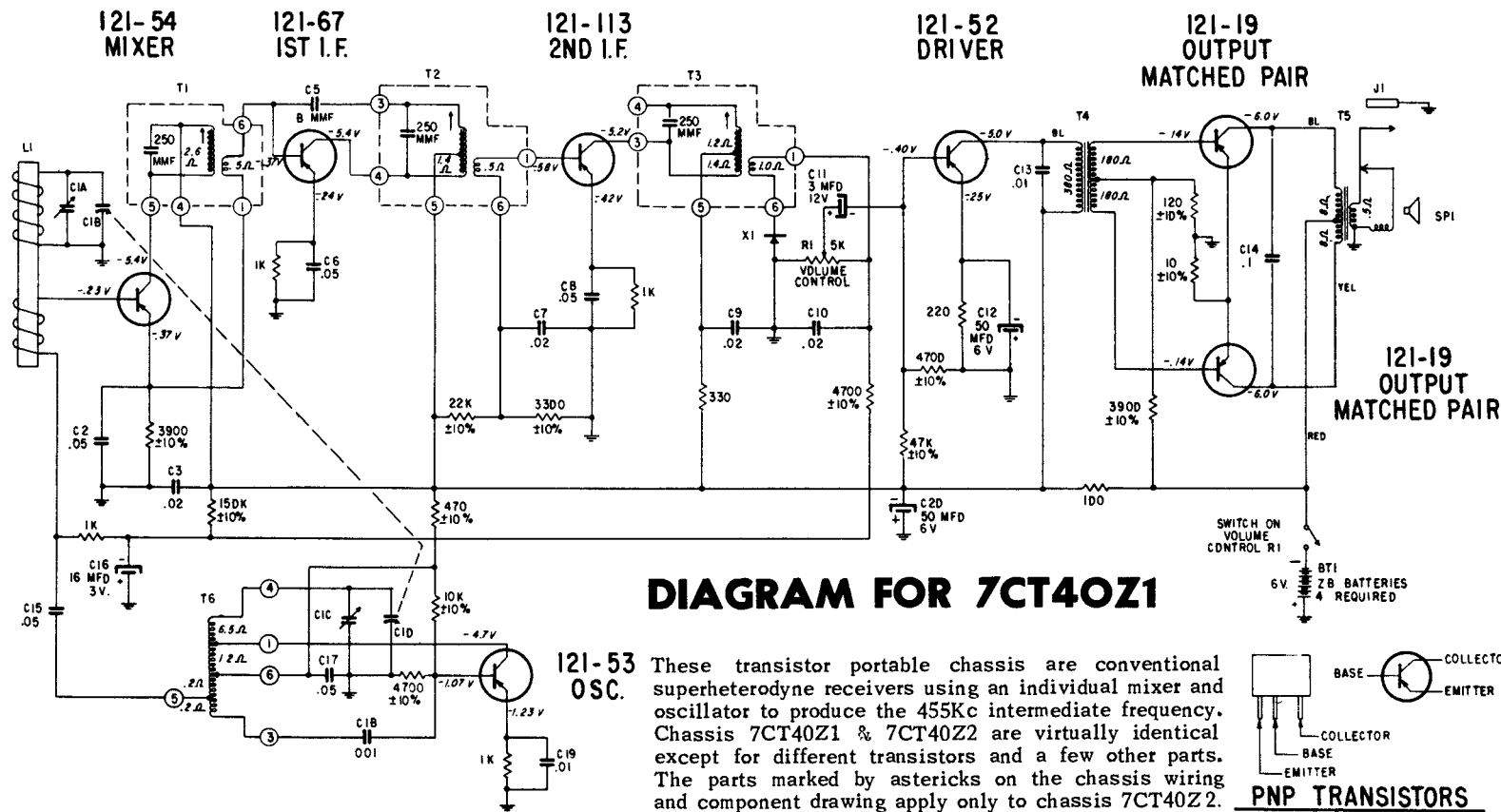


DIAGRAM FOR 7CT40Z1

These transistor portable chassis are conventional superheterodyne receivers using an individual mixer and oscillator to produce the 455Kc intermediate frequency. Chassis 7CT40Z1 & 7CT40Z2 are virtually identical except for different transistors and a few other parts. The parts marked by asterisks on the chassis wiring and component drawing apply only to chassis 7CT40Z2.

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 wide open.	C1C	Set Oscillator to dial scale.
3	535 KC		—	Gang Closed	Adjust slug in T6	Set Oscillator to dial scale.
4	REPEAT STEPS 2 & 3		—	—	—	—
5	1260 KC		—	1260 KC	C1A	Align loop ant.

NOTES:

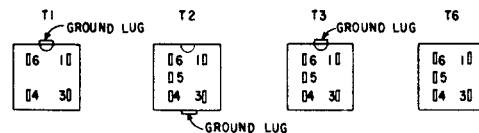
ALL RESISTORS ARE $\pm 2\%$ TOLERANCE, CARBON, 1/2 WATT UNLESS OTHERWISE SPECIFIED.

ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED.

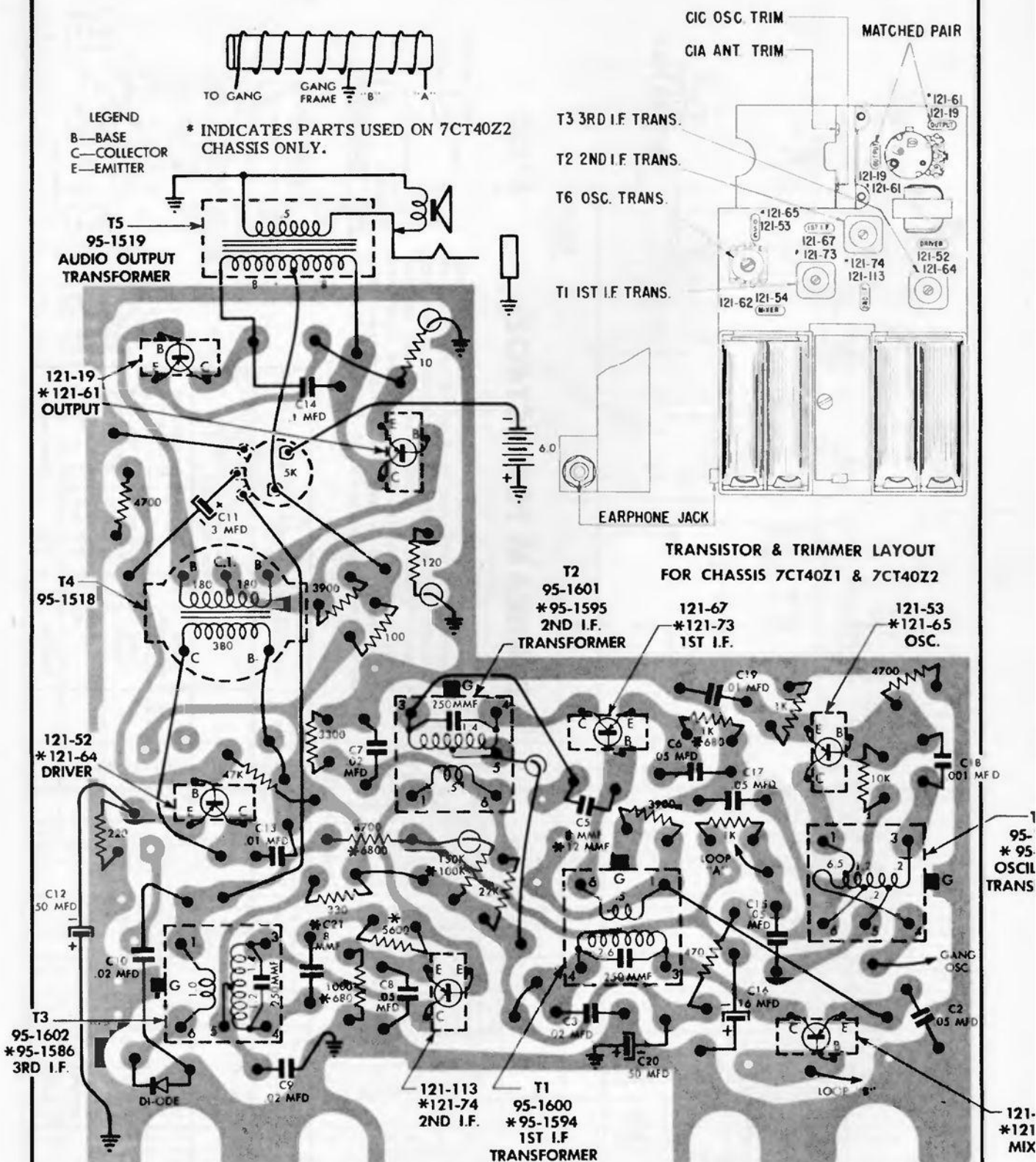
ALL CONDENSERS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

D.C. VOLTAGES SHOWN ARE MEASURED FROM CHASSIS WITH NO SIGNAL USING AN A.C./D.C. OR VACUUM TUBE VOLTMETER.

✶ DENOTES CHASSIS



(Service material continued from page 179)



CHASSIS, WIRING AND COMPONENTS

VIEWED FROM WIRING SIDE