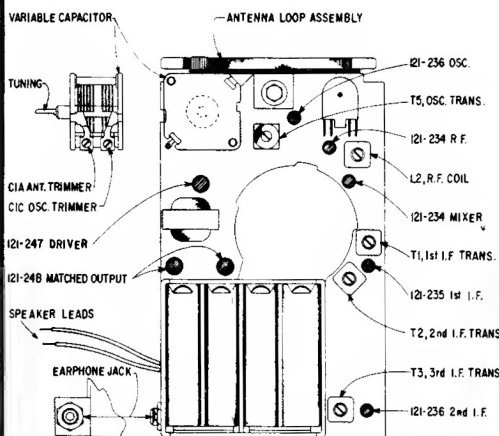
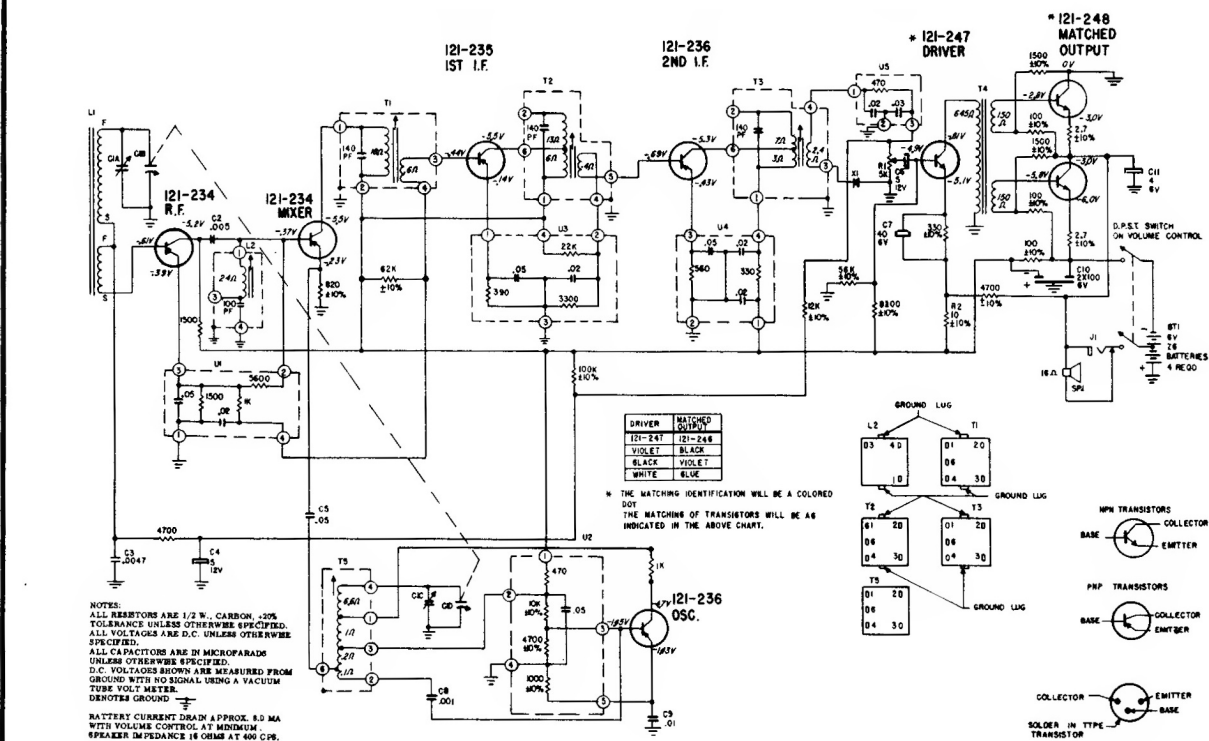


ZENITH RADIO CHASSIS 8LT40ZI MODEL "ROYAL 500H-1"



TRANSISTOR & TRIMMER LAYOUT

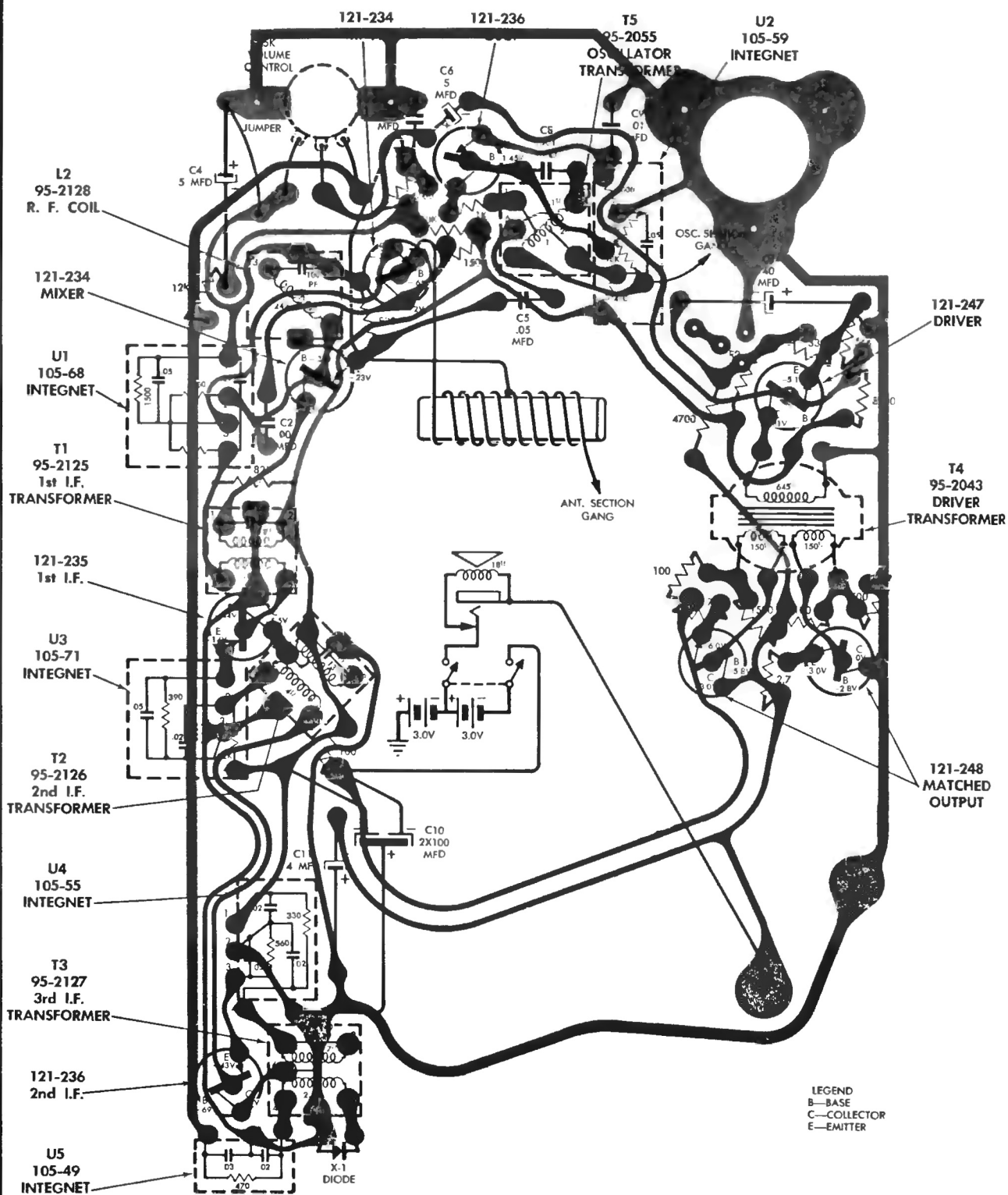
ALIGNMENT PROCEDURE

Operation	Input Signal Frequency	Connect Inner Conductor From Oscillator To	Set Dial At	Trimmers	Purpose
1	455 KC	ONE TURN LOOSELY COUPLED TO THE ANTENNA	600 KC	Adj. T1, T2 T3 for Maximum output	For I.F. Alignment
2	455 KC		600 KC	Adj. L2 for Minimum output	Tune Trap to IF Frequency
3	1620 KC		Gang Wideopen	C1C	Set Oscillator To Dial Scale
4	600 KC		Near 600	Adjust slug in T5	Adjust T5 for Maximum output while rocking gang. Tune T5 for Maximum output regardless of dial accuracy
5	Repeat Steps 3 & 4				
6	1260 KC		1260 KC	C1A	Align Loop Antenna

CHASSIS INFORMATION CHART

CHASSIS	PART NO.	R.F.	MIXER	OSC.	1ST I.F.	2ND I.F.	CRYSTAL DIODE DETECTOR	DRIVER	OUTPUT-OUTPUT	SUPPLIER
8LT40Z1	Zenith Type E.I.A.	121-234 PNP GC282	121-234 PNP GC282	121-236 PNP GC284	121-235 PNP GC284	121-236 PNP GC284	103-19 or 103-44	121-247 NPN GC608	121-248 Pair NPN NPN GC609	Texas Instrument

ZENITH RADIO Model "Royal 500H-1" -- Chassis 8LT40Z1



CHASSIS, WIRING AND COMPONENTS

VIEWED FROM WIRING SIDE