

CHASSIS INFORMATION CHART

Chassis	Transistor Layout Label Color	Part No.	Conv.	1st I.F.	2nd I.F.	Crystal Diode Detector	Driver	Output-Output	Supplier
6KT40Z1	Black 102-9403	Zenith E1A Type	121-234 GC282 PNP	121-235 GC283 PNP	121-236 GC284 PNP	103-44 IN191	121-237 GC286 NPN	121-238 GC285 Matched Pair NPN NPN	Texas Instrument
6KT40Z8	Red 102-9419	Zenith E1A Type	121-244 2N993 PNP	121-242 2N993 PNP	121-243 2N993 PNP	103-44 IN191	121-245 C-1438 PNP	121-246 C-1437 Matched Pair PNP PNP	AMPEREX

ZENITH Model Royal 50L
using Chassis 6KT40Z1
(For alignment information see data on next page, at right)

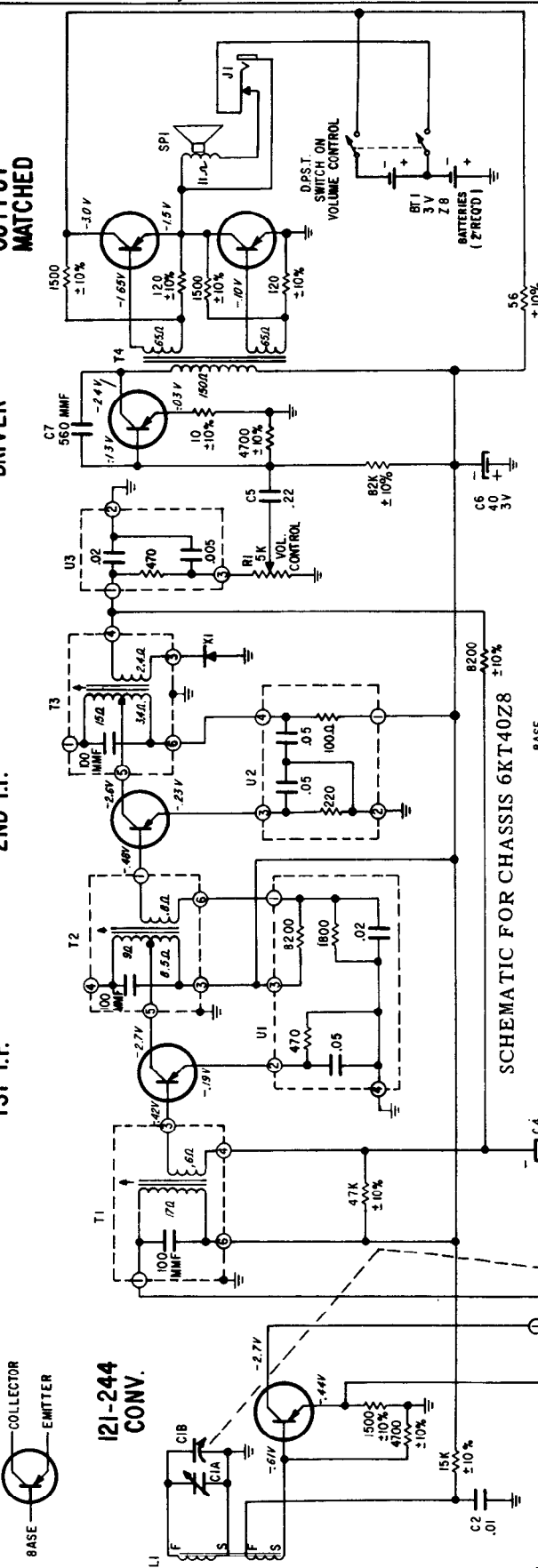
**I21-246
OUTPUT
MATCHED**

**I21-245
DRIVER**

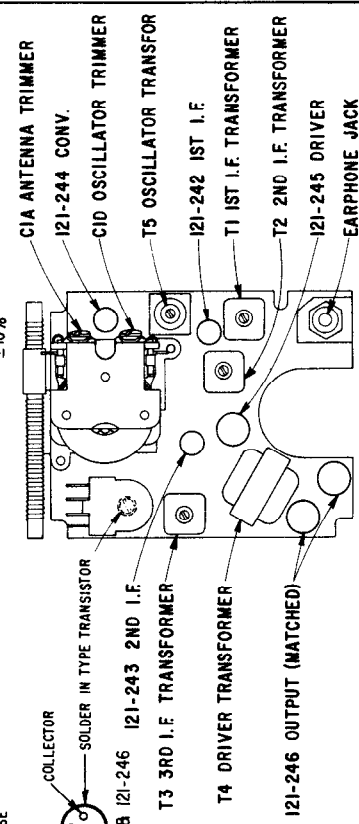
**I21-243
2ND I.F.**

**I21-242
1ST I.F.**

PNP TRANSISTOR
BASE—COLLECTOR—EMITTER



SCHEMATIC FOR CHASSIS 6KT40Z8



**TRANSISTOR & TRIMMER
LAYOUT FOR CHASSIS 6KT40Z8**

ZENITH Model Royal 50L
using Chassis 6KT40Z8

(For schematic notes and other
information see preceding page)

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 WAVEMAGNET	600 KC	Adj. T1, T2, T3 for maximum output.	For I.F. Alignment
2	1620 KC		Gang wide open.	CID	Set Oscillator to dial scale
3	600 KC		Near 600 KC	Adjust slug in T5	While rocking gang, adjust T5 for maximum output regardless of dial accuracy.
4	1260 KC		1260 KC	CIA	Align loop ant.
5	REPEAT STEPS 2 & 3		-	-	-