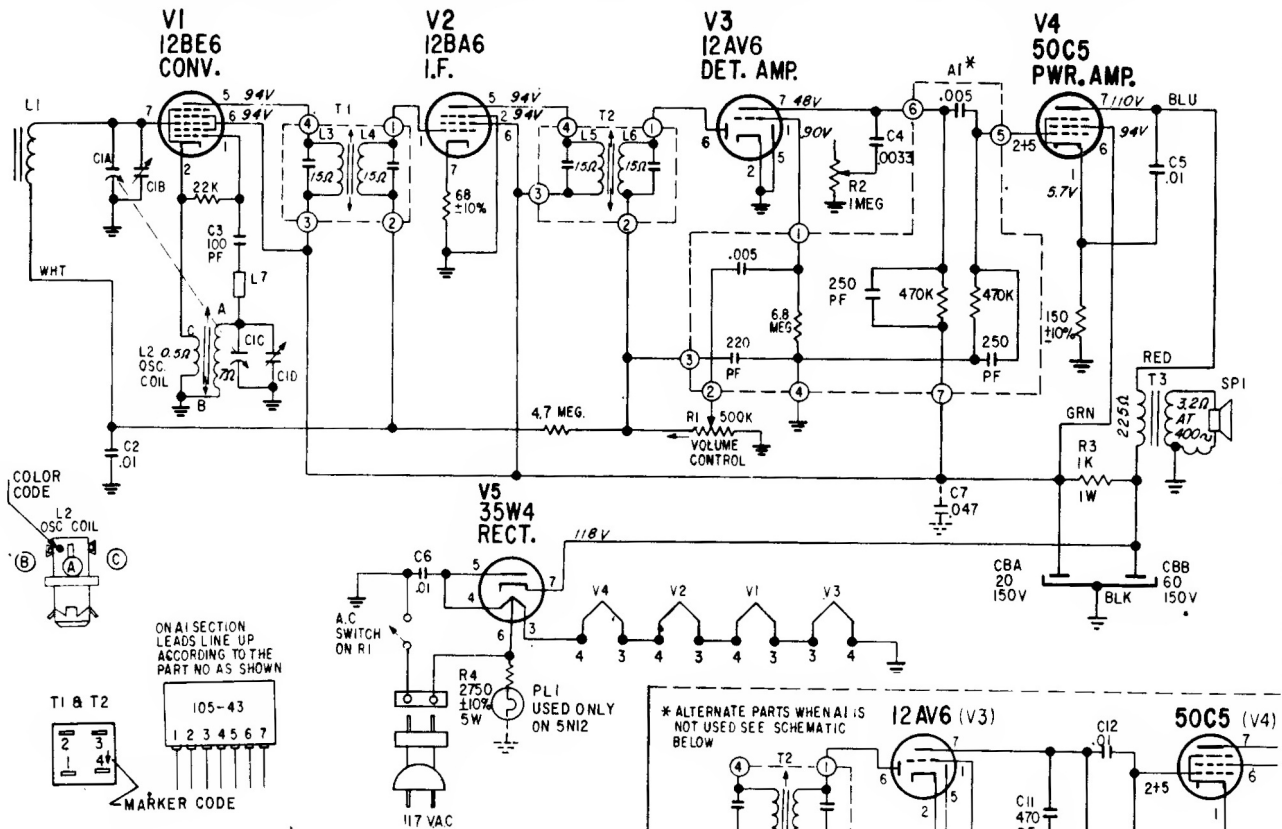
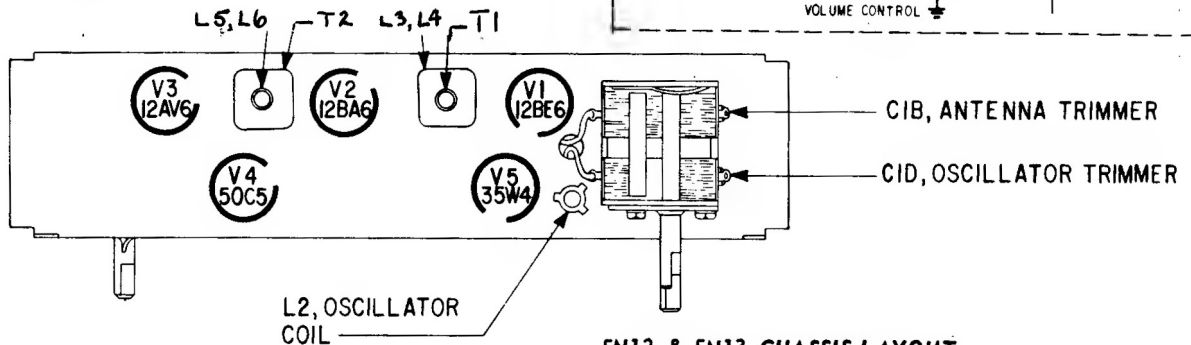
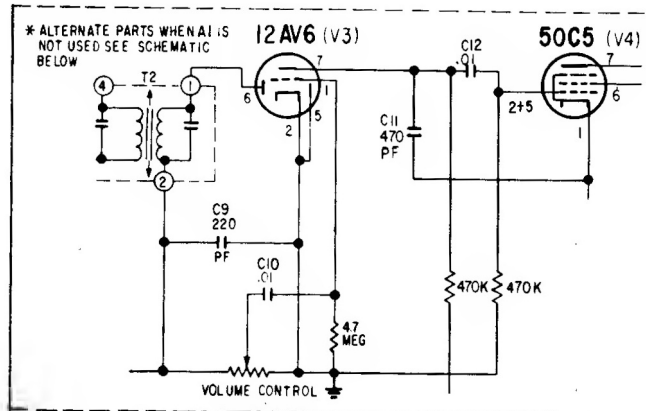


ZENITH RADIO CORPORATION

MODELS N509C, F & W CHASSIS 5N13 AND N512A, H & J CHASSIS 5N12



NOTES:
 ALL VOLTAGES MEASURED FROM CHASSIS TO POINTS INDICATED WITH AN VACUUM TUBE VOLT-METER.
 USE ONLY ZENITH NON-INDUCTIVE ELECTROLYTIC CONDENSERS FOR REPLACEMENT.
 IF ANY OTHER TYPE OF ELECTROLYTIC IS USED IT WILL BE NECESSARY TO ADD C7 SHOWN IN DOTTED LINES.
 I.F. TRANSFORMER NUMBERING STARTS WITH #1 TERMINAL AS FIRST TERMINAL CLOCKWISE FROM MARKER CODE, TERMINAL AS VIEWED FROM BOTTOM OF CHASSIS.
 I.F. FREQUENCY 455 KC.
 TUNING RANGE 535 - 1620 KC.
 ALL RESISTORS .20% TOLERANCE, 1/2 WATT, CARBON UNLESS OTHERWISE SPECIFIED.
 DENOTES CHASSIS



5N12 & 5N13 CHASSIS LAYOUT

ALIGNMENT PROCEDURE

OPERATION	CONNECT OSCILLATOR TO	DUMMY ANTENNA	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455 Kc.	600-Kc.	L3, L4, L5, L6	Align I.F. for max. output.
2	One Turn Loop Coupled Loosely to Wave magnet	-	1600 Kc.	1600 Kc.	C1D	Set Osc. to Dial Scale.
3		-	1400 Kc.	1400 Kc.	C1B	Align Antenna Stage.