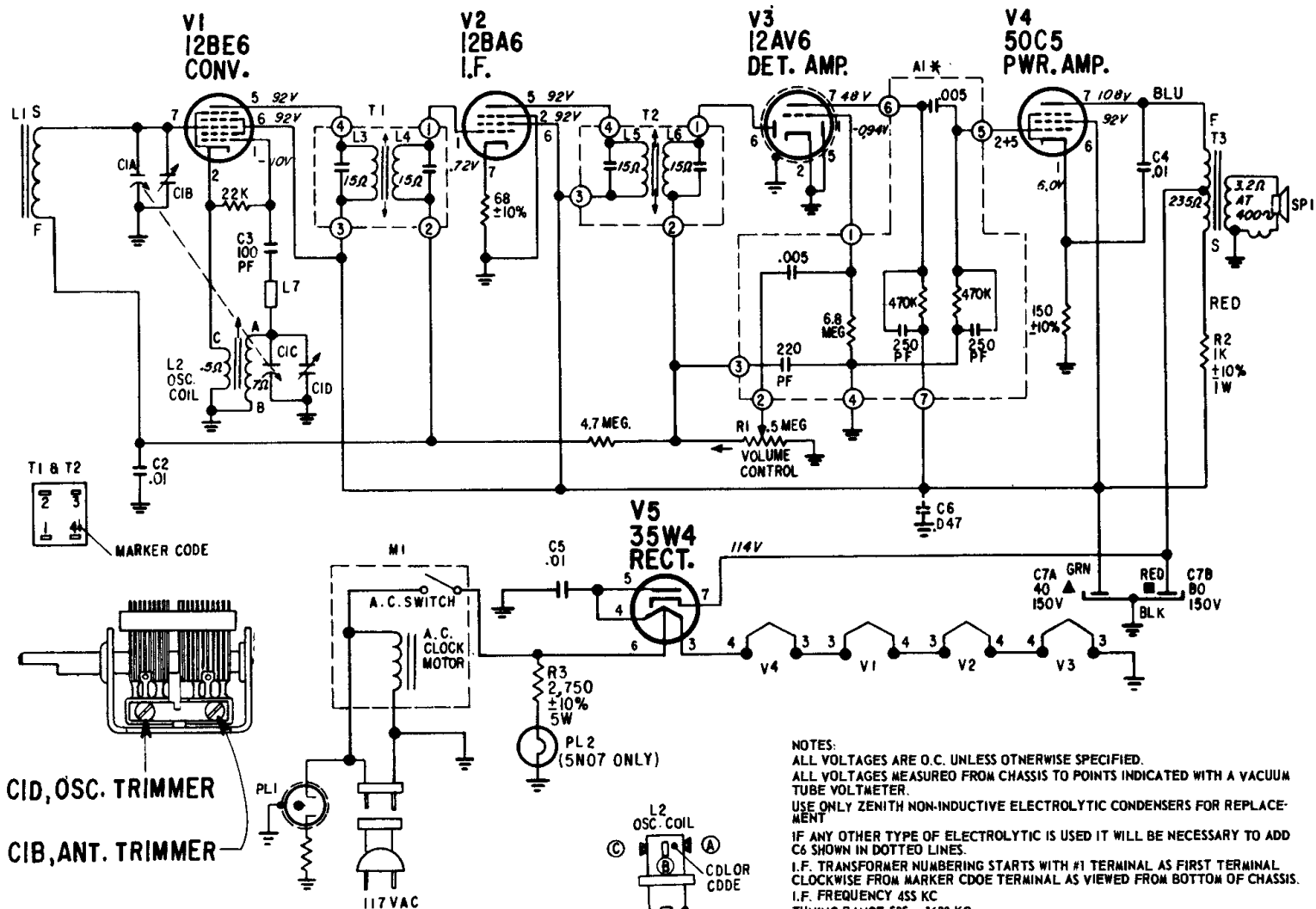
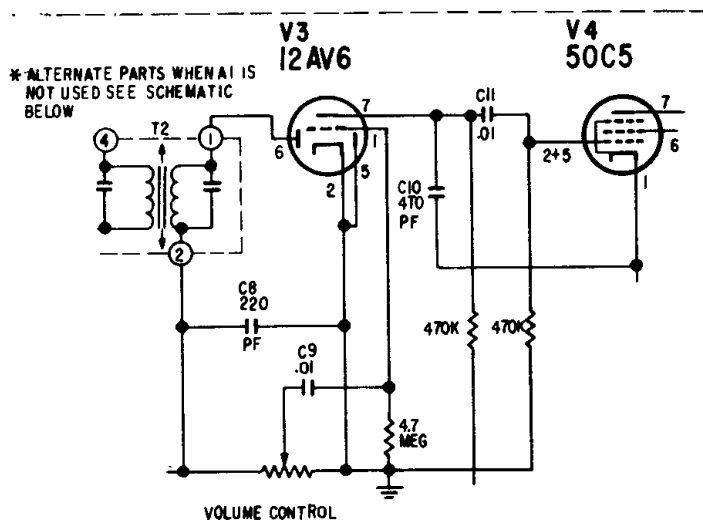


ZENITH RADIO CORPORATION

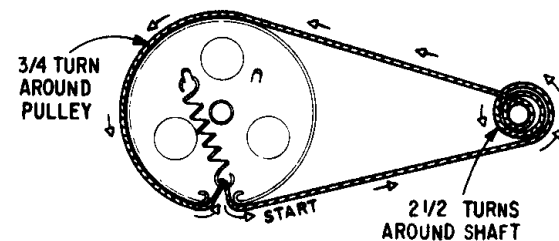
MODELS N516J, L & W USING CHASSIS 5N09 AND MODELS N519C, J, L, & W USING CHASSIS 5N07



NOTES:
ALL VOLTAGES ARE O.C. UNLESS OTHERWISE SPECIFIED.
ALL VOLTAGES MEASURED FROM CHASSIS TO POINTS INDICATED WITH A VACUUM TUBE VOLTMETER.
USE ONLY ZENITH NON-INDUCTIVE ELECTROLYTIC CONDENSERS FOR REPLACEMENT.
IF ANY OTHER TYPE OF ELECTROLYTIC IS USED IT WILL BE NECESSARY TO ADD C6 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.
ALL CAPACITOR VALUE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
DENOTES CHASSIS



DIAL CORD DRIVE SHOWN IN COUNTERCLOCKWISE POSITION



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.	CID	Set Osc. to Dial Scale.
3		-	1400 Kc.	1400 Kc.	CIB	Align Antenna Stage.