

ALL VOLTAGES MEASURED FROM COMMON RETURN TO POINTS INDICATED WITH A D.C. VACUUM TUBE VOLTMETER

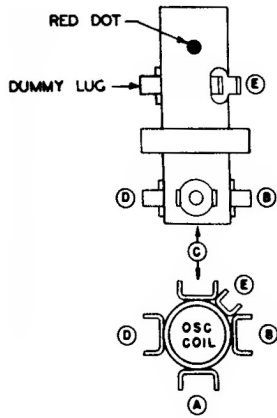
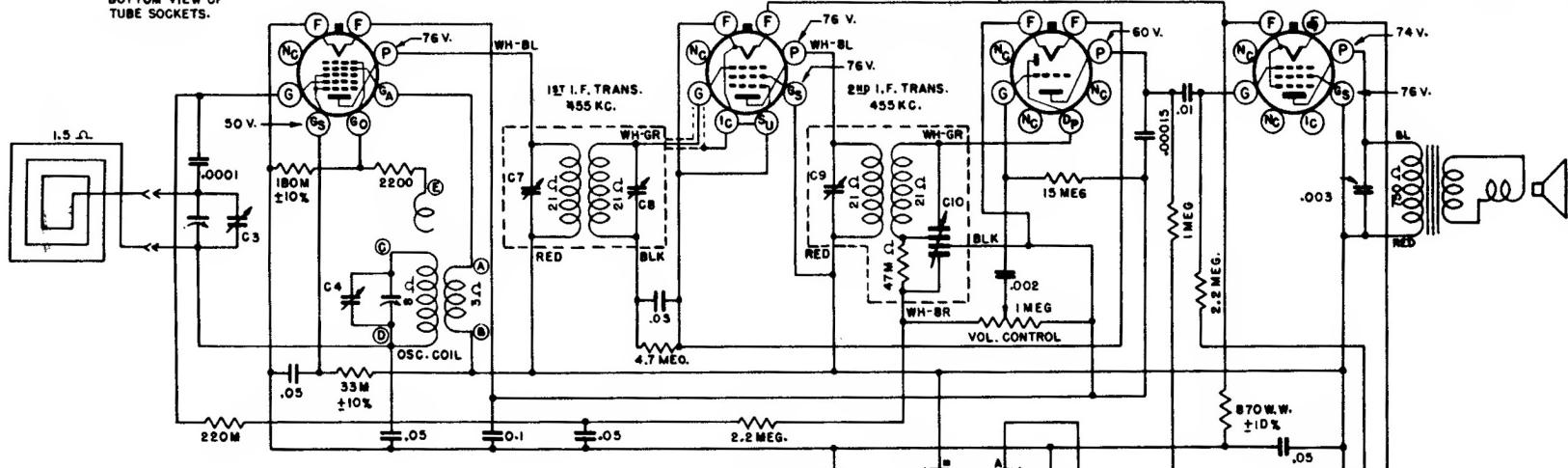
BOTTOM VIEW OF TUBE SOCKETS.

IL6 CONVERTER

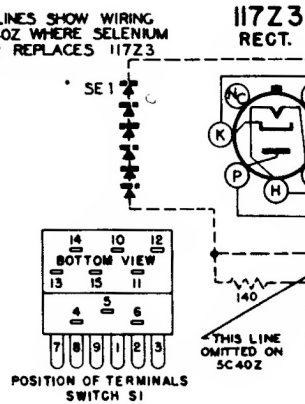
ILN5 I.F.

ILH4 DET.-AMP.

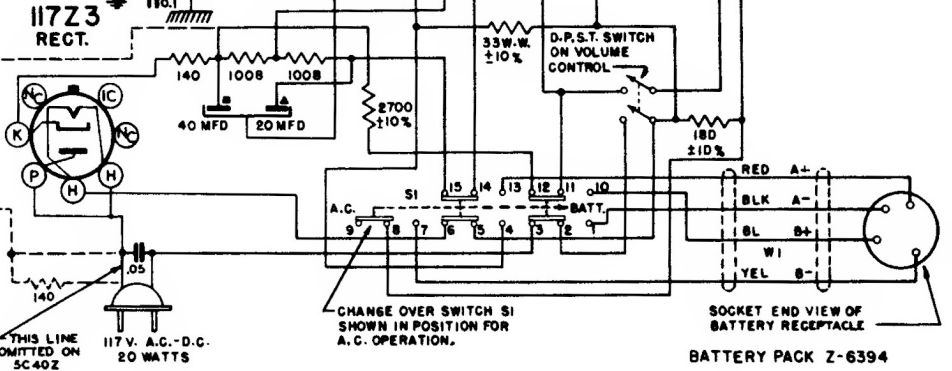
ILB4 PWR. AMP.



DOTTED LINES SHOW WIRING FOR 5C40Z WHERE SELENIUM RECTIFIER REPLACES 117Z3



POSITION OF TERMINALS SWITCH S1



CHANGE OVER SWITCH S1 SHOWN IN POSITION FOR A.C. OPERATION.

SOCKET END VIEW OF BATTERY RECEPTACLE

BATTERY PACK Z-6394

ALL RESISTORS ±20% TOLERANCE UNLESS OTHERWISE SPECIFIED.

⏏ DENOTES CHASSIS
 DENOTES COMMON RETURN
 (8-1)

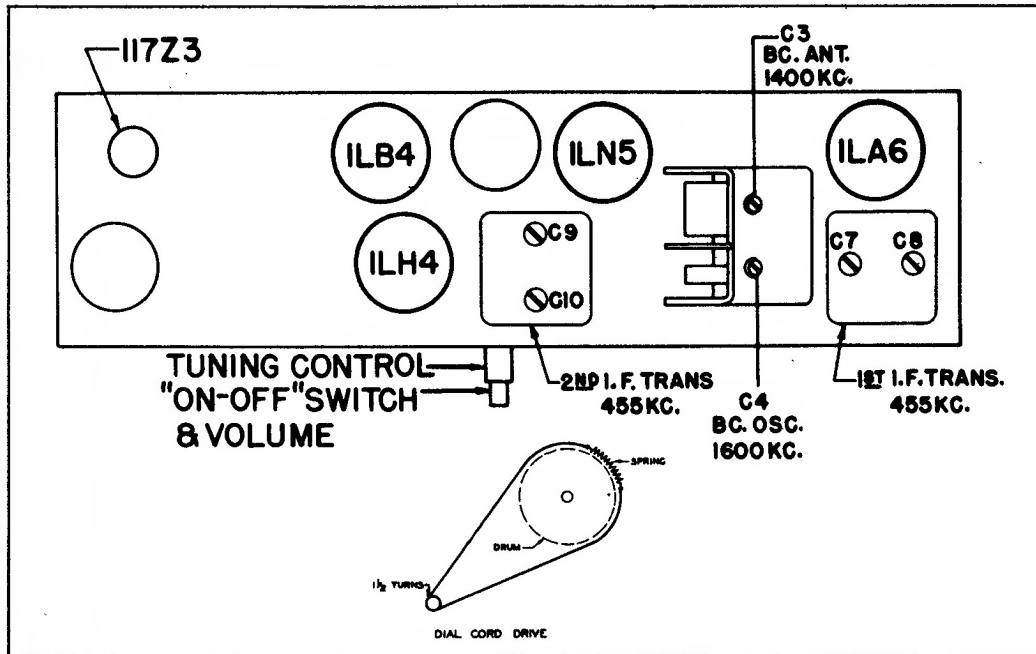
I.F. FREQUENCY 455 KC.
 TUNING RANGE 535 KC. - 1620 KC.

ZENITH RADIO CORP.

MODEL 5G003 5G003Z CHASSIS No. 5C40 5C40Z

Zenith Radio Corp.

MODEL 5G003
CHASSIS No. 5C40



TUBE TRIMMER LOCATION AND DIAL CABLE DRAWING

The alignment of chassis 5C40 is conventional and the most accurate alignment will be accomplished if the procedure is followed exactly. The IF frequency is 455 KC and all measurements, voltage, and resistance have been taken with an electronic volt-ohm meter.

Stage by stage gain measurements are for reference purposes only. Gain measurements can seldom be duplicated, and are used only for comparison purposes.

ALIGNMENT PROCEDURE

OPERATION	CONNECT OSC. TO	DUMMY ANT.	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455	600	C7, C8, C9 and C10	I.F. Alignment
2	Single Turn Loop	--	1600	1600	C4	Set Osc. to scale
3	Coupled Loosely to Wavemagnet	--	1400	1400	C3	Alignment of Antenna