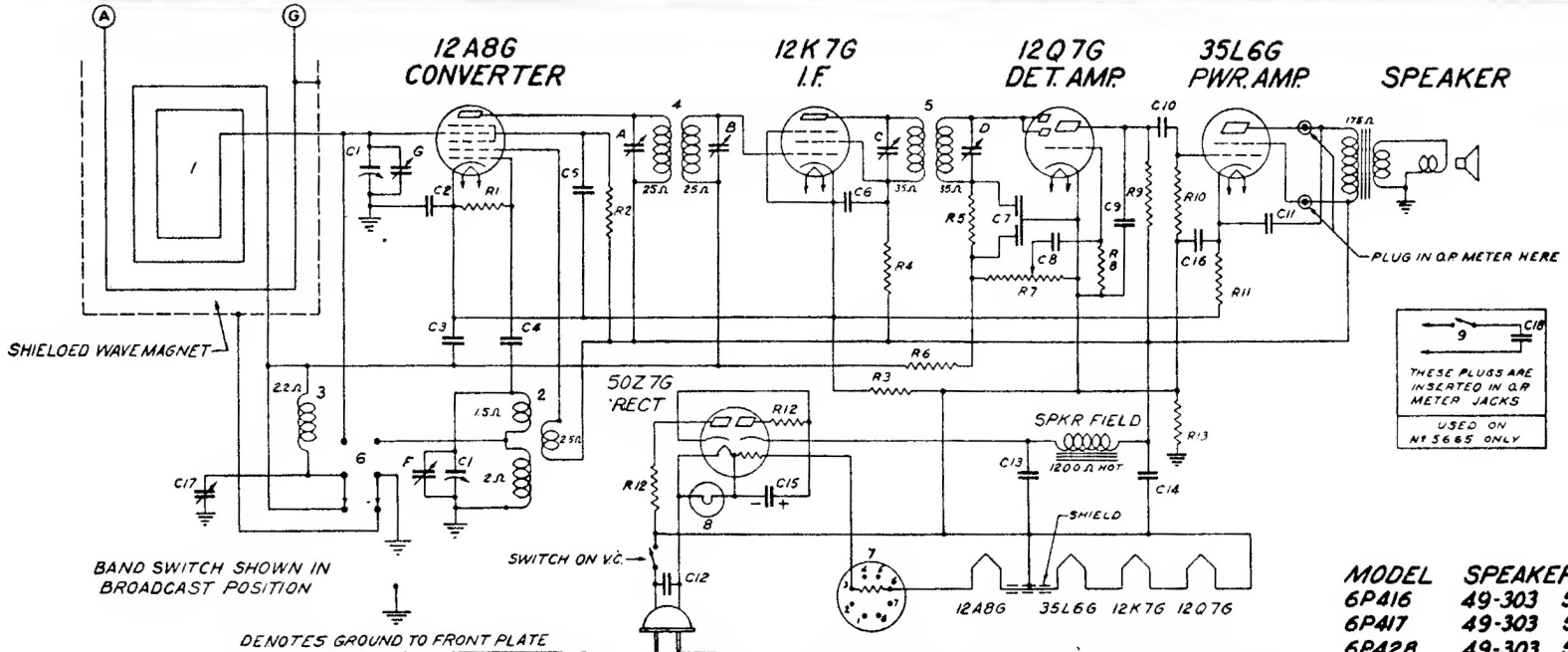
Models 6P416, 6P417, 6P428

CHASSIS No. 5661



MODEL	SPEAKER	
6P416	49-303	5"
6P417	49-303	5"
6P428	49-303	5"

DIAG. Nº	PART Nº	DESCRIPTION	
C1	22-845	TWO GANG VARIABLE	
C2	22-190	.1 MFD	200V
C3	22-250	.05 MFD	200V
C4		100 MMFD.	
C5	22-842	.02 MFD	400V
C6	22-212	.05 MFD	400V
C7		DUAL 100 MMFD	
C8	22-838	.005 MFD	600V
C9	22-833	.0005 MFD	600V
C10	22-837	.01 MFD	400V
C11	22-836	.03 MFD	400V
C12	22-875	.15 MFD	400V

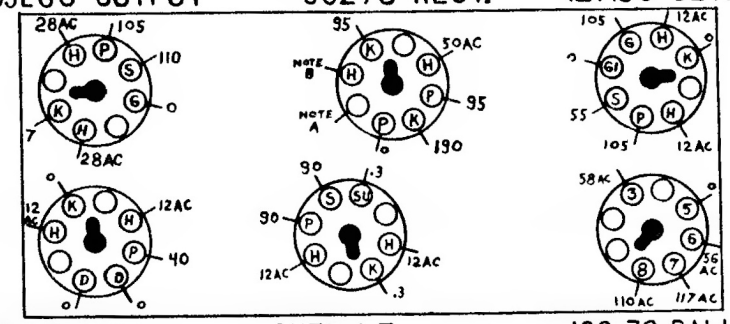
DIAG Nº	PART Nº	DESCRIPTION	
C13	22-840	20 MFD ELECTROLYTIC	350V
C14		20 MFD "	250V
C15		20 MFD "	200V
C16		20 MFD	25V
C17	22-788	TRIMMER CONDENSER	
C18	22-867	TONE CONTROL COND	
R1	63-712	33 M OHM	½ W
R2	63-591	2.2 M OHM	¼ W
R3	63-572	15 OHM	¼ W
R4	63-583	1000 OHM	¼ W

DIAG Nº	PART Nº	DESCRIPTION	
R5	63-593	47 M OHM	½ W
R6	63-722	2.2 MEGOHM	¼ W
R7	63-1028	VOLUME CONTROL	
R8	63-976	15 MEGOHM	¼ W
R9	63-256	220 M OHM	¼ W
R10	63-597	470 M OHM	¼ W
R11	63-686	150 OHM WIREWOUND	½ W
R12	63-1023	22 OHM "	½ W
R13	63-717	220 M OHM	¼ W
1		WAVEMAGNET ASSEMBLY	
2	56913	OSCILLATOR COIL ASSEM.	
3	56914	SHUNT ANT " "	
4	56915	1ST I.F. TRANS.	

DIAG Nº	PART Nº	DESCRIPTION
5	95-598	2ND I.F. TRANS
6	MS515	BAND SWITCH
7	100-79	BALLAST TUBE
8	100-39	PILOT LIGHT 2.9V-.17A
9	MS517	TONE CONTROL SWITCH
A		1ST I.F. TRANS PRI.
B		1ST I.F. " SEC.
C		2ND I.F. PRI.
D		2ND I.F. " SEC
F		BROADCAST OSC (ON GANG)
G		ANTENNA B'DCAST (")

I.F. FREQUENCY 455KC
6 TUBE SUPERHETERODYNE
VOLTAGE DOUBLER A.C.
CHASSIS Nº5661 & 5665
ZENITH RADIO CORPORATION

35L6G-OUTPUT 50Z7G-RECT. 12A8G-DET.OSC.



12Q7G-2ND DET. 12K7G-I.F. 100-79 BALLAST

NOTE

Voltages measured from No. 7 pin on ballast tube to point indicated using a 1000 ohm per volt meter. Vol. control at minimum. Antenna disconnected.

All filament voltages measured across each respective tube, using a 0-50 A.C. voltmeter.

A. This lug is C.T. of fil. and is one side of pilot light supply line.

Lug No. 7 is return for pilot light.

B. This lug (No. 8) has a 50 v. A.C. potential with respect to lug No. 2 and also a 117 v. A.C. potential with respect to line switch.