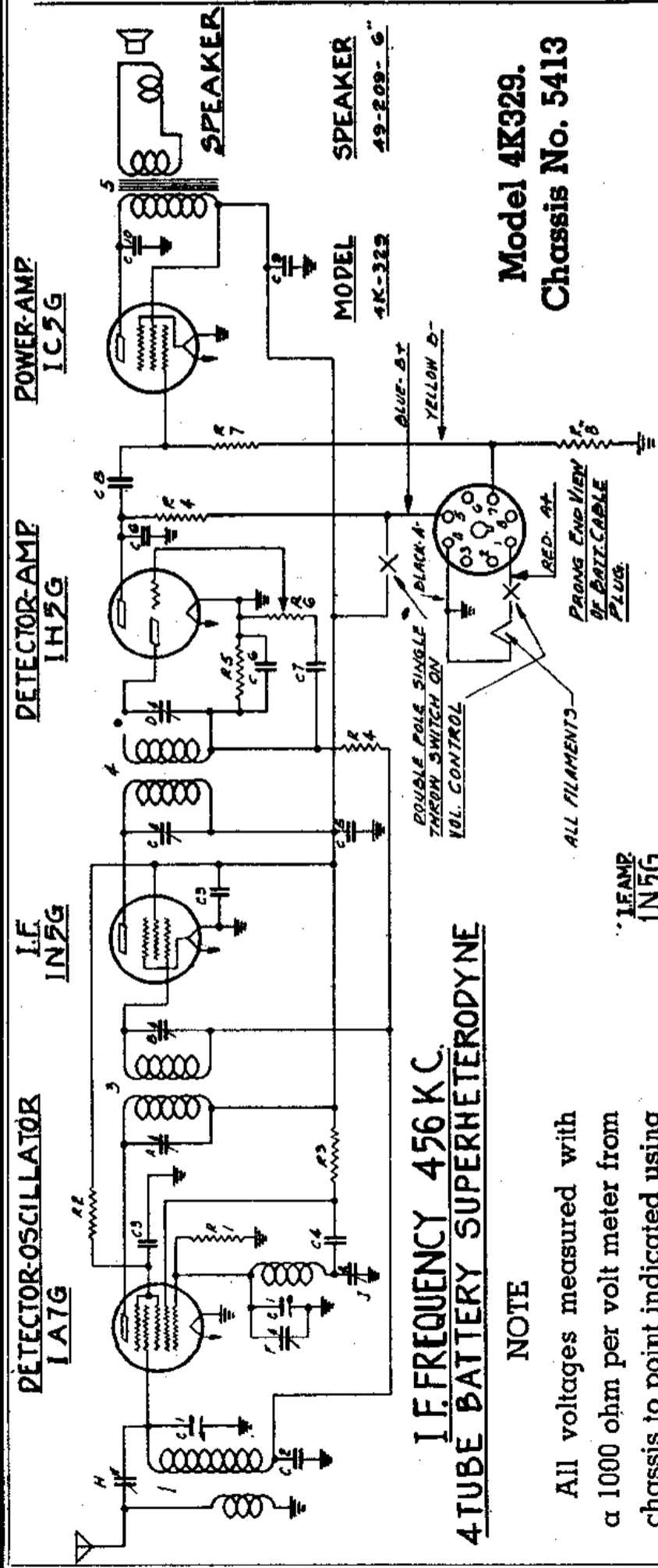


MODEL 4K329, Chas. 5413
Schematic, Voltage
Alignment, Socket
Trimmers

ZENITH RADIO CORP. ALIGNMENT PROCEDURE

Operation	Connect Test Oscillator to—	Dummy Antenna	Set Test Osc. to	Band	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	½ Mfd.	456	Br'dc't	600	ABCD	I. F. Algm't.
2	Rec. Ant. Lead	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
3	" " "	200 Mmfd.	1500	"	1500	G	Algm't of Ant.
4	" " "	200 Mmfd.	600	"	600	J	Rock gang & adj. for max. output
5	" " "	200 Mmfd.	1500	"	1500	FG	Rpt. 3 & 4



I.F. FREQUENCY 456 KC. 4 TUBE BATTERY SUPERHETERODYNE

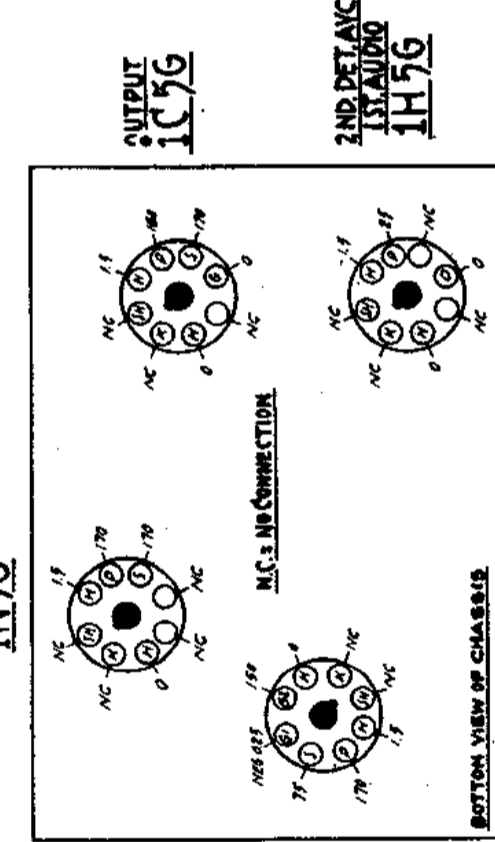
NOTE

All voltages measured with a 1000 ohm per volt meter from chassis to point indicated using a Z28 battery pack.

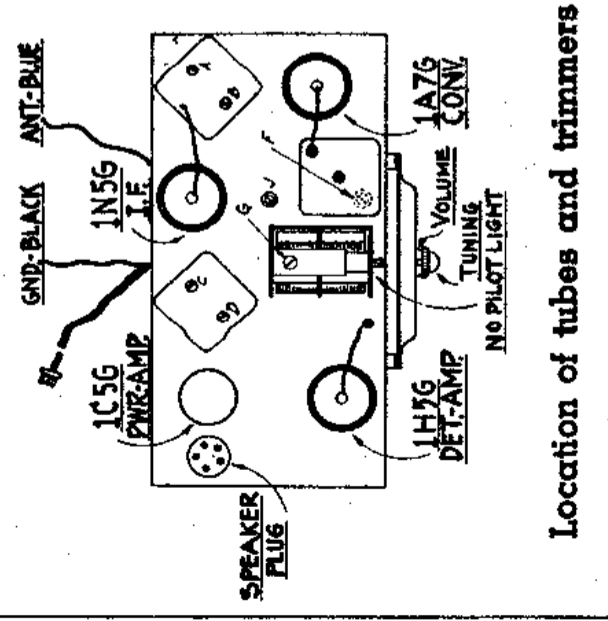
Antenna disconnected — vol. control at minimum and condenser plates in full mesh.

DET.-OSC. 1A7G

PART NO.	DESCRIPTION	QTY.
C-1	22-650 TWO GANG VARIABLE	200V
C-2	.05 MFD	200V
C-3	.5 MFD	400V
C-4	.002 MFD	400V
C-5	.001 MFD	400V
C-6	.02 MFD	400V
C-7	.02 MFD	100V
C-8	.02 MFD	100V
C-9	.002 MFD	100V
C-10	.002 MFD	100V
R-1	150 OHM	1/4W
R-2	500 OHM	1/4W
R-3	500 OHM	1/4W
R-4	1 MEGOHM	1/4W
R-5	990 OHM	1/4W
R-6	1 MEGOHM VOL CONTROL	1/4W
R-7	22 MEGOHM	1/4W
R-8	1000 OHM	1/4W
1	ANTENNA COIL ASSEMBLY	
2	ANT. COIL & SHIELD ASSEM.	
3	OSCILLATOR COIL ASSEM.	
4	1ST. I.F. TRANSFORMER	
5	2ND I.F. TRANSFORMER	
A	SPEAKER TRNS. (ON SPEAKER)	
B	1ST. I.F. TRANS. PRI.	
C	1ST. I.F. TRANS. SEC.	
D	2ND I.F. TRANS. PRI.	
F	2ND I.F. TRANS. SEC.	
G	BROADCAST OSCILLATOR	
H	ANTENNA BRADCAST	
J	OSCILLATOR PROPER.	



LEGEND
 NC — No Connection
 SH — Shield
 H — Heater
 P — Plate
 S — Screen
 G — Grid
 SU — Suppressor
 D — Diode
 K — Cathode
 F — Filament



Location of tubes and trimmers