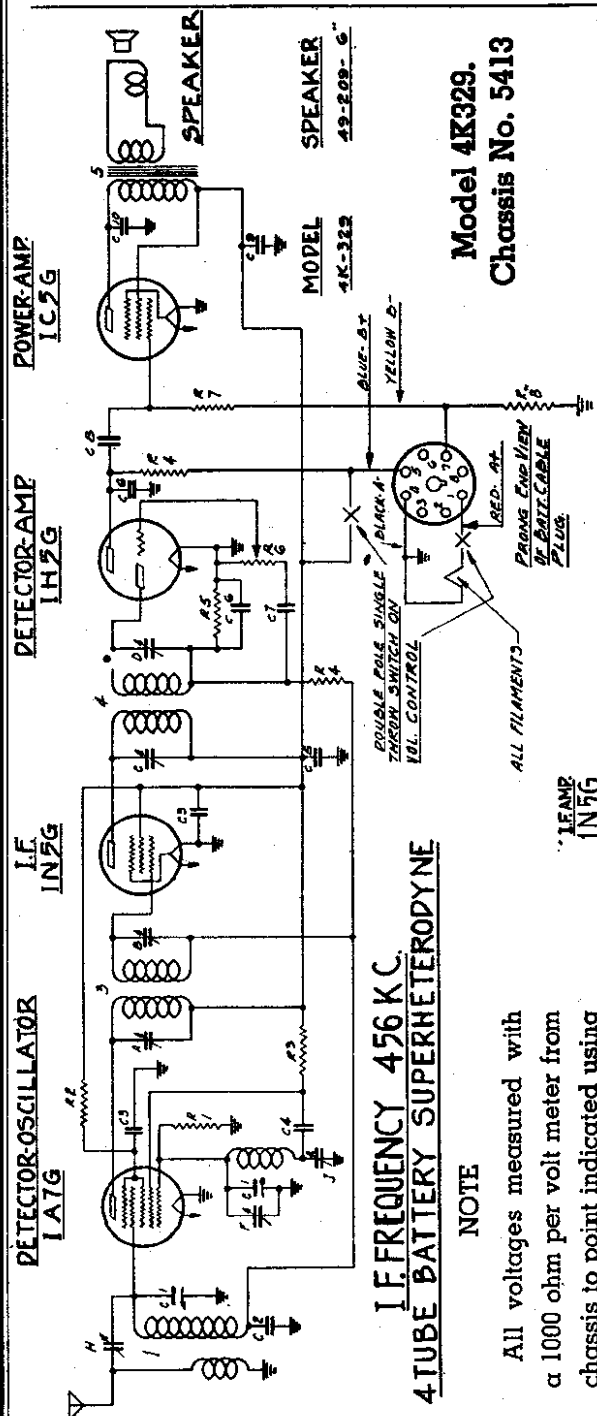


MODEL 4K329, Chas. 5413  
Schematic, Voltage  
Alignment, Socket  
Trimmers

## 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**

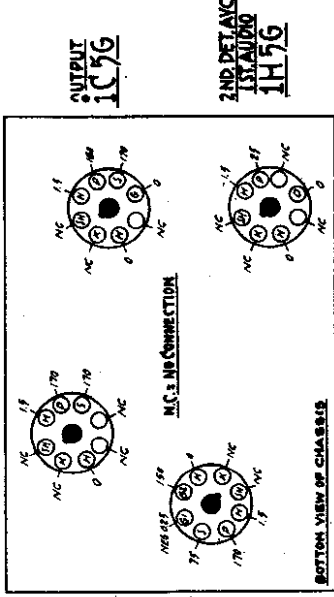
**NOTE**

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

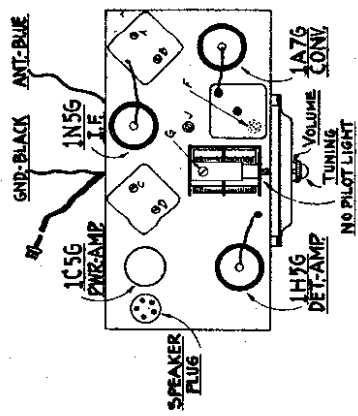
Antenna disconnected — vol. control at minimum and condenser plates in full mesh.

DET.-OSC. 1A7G

PART NO.	DESCRIPTION
C-1	22-550 TWO GANG VARIABLE
C-2	22-250 .05 MFD
C-3	22-159 .02 MFD
C-4	22-356 .02 MFD
C-5	22-212 .02 MFD
C-6	22-182 .0001 MFD
C-7	22-327 .02 MFD
C-8	22-155 .02 MFD
C-9	22-204 8 MFD ELECTROLYTIC
C-10	22-482 .002 MFD
R-1	63-378 150 M OHM
R-2	63-494 60 M OHM
R-3	63-630 3600 OHM
R-4	63-271 1 MEGOHM
R-5	63-670 390 M OHM
R-6	63-548 1 MEGOHM VOL CONTROL
R-7	63-600 2.2 MEGOHM
R-8	63-238 1000 OHM
1	5-5058 ANTENNA COIL ASSEMBLY
2	5-5100 ANT COIL & SHIELD ASSEM.
3	5-4682 OSCILLATOR COIL ASSEM.
4	55-449 17.5 TURNS PER
5	55-449 2ND I.F. TRANSFORMER
6	55-449 2ND I.F. TRANSFORMER
7	55-449 SPEAKER TRANS. (ON SPEAKER)
A	11T 1.5 TURNS PER
B	15T 1.5 TURNS PER
C	2ND I.F. TRANS. PER
D	2ND I.F. TRANS. PER
E	BROADCAST OSCILLATOR
F	ANTENNA BRACKET
H	OSCILLATOR PADDER
J	OSCILLATOR PADDER



- 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