

Zenith Radio Corp.

Model: 4K310

Chassis:

Year: Pre August 1939

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

Riders Volume 10 - ZENITH 10-5

Schematic, Voltage Alignment, Socket Trimmers

ZENITH RADIO CORP.

MODELS 4K310, 4K331, 4K355, Chassis 5412

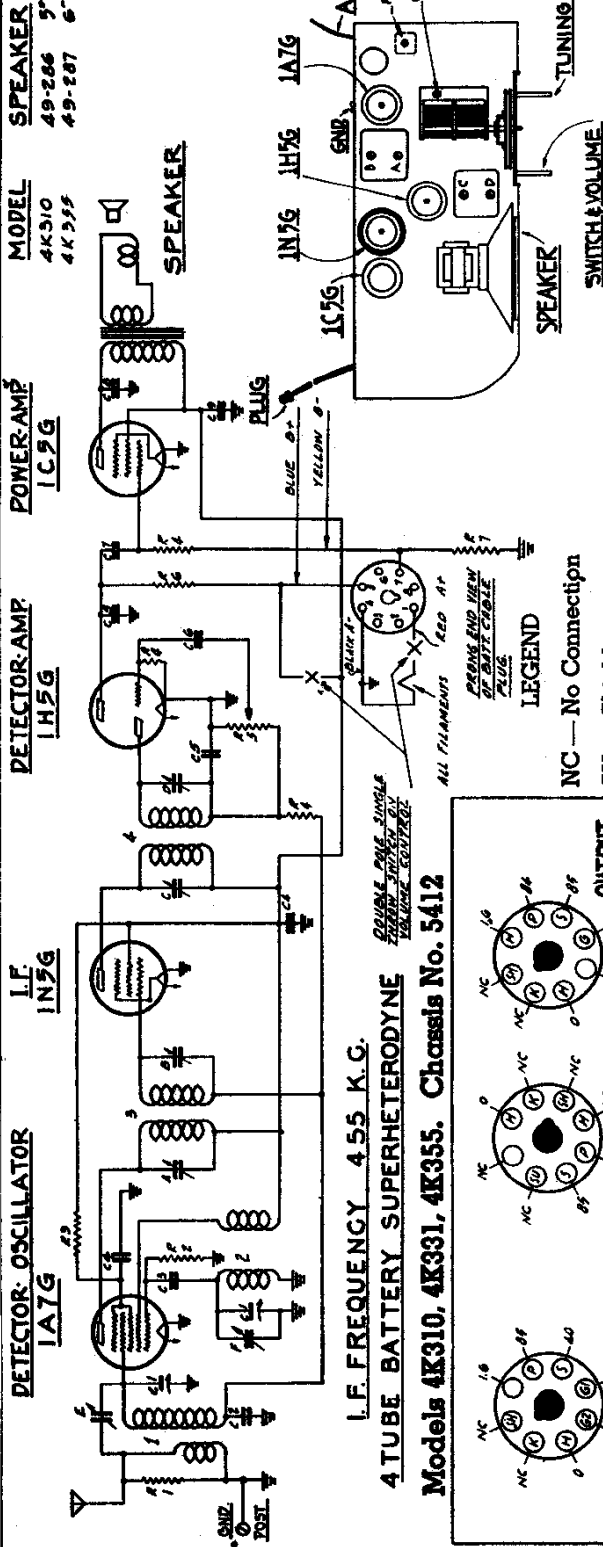
MODEL
4K310
4K331
4K355

POWER-AMP
1C5G

DETECTOR-AMP
1H5G

LF
1N5G

DETECTOR-OSCILLATOR
1A7G

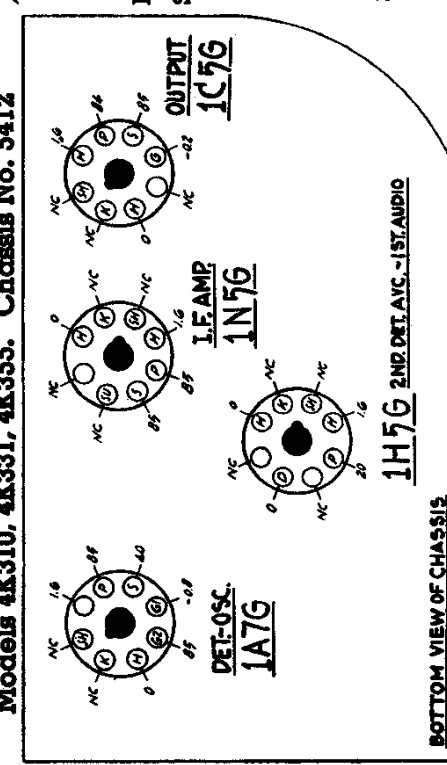


L.F. FREQUENCY 4.55 K.C.

4 TUBE BATTERY SUPERHETERODYNE

Models 4K310, 4K331, 4K355. Chassis No. 5412

REMOVE THIS SINGLE TUBULAR BATTERY FROM THE CHASSIS



BOTTOM VIEW OF CHASSIS

FRONT OF CHASSIS

NOTE

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

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

4121-01

Location of tubes and trimmers

TYPE	PART	DESCRIPTION
1	3-47M	ANTENNA COIL ASSEMBLY
2	5-60M	OSCILLATOR COIL ASSEMBLY
3	38-37B	1ST. LF. TRANSFORMER
4	39-57B	2ND. LF. TRANSFORMER
		SPEAKER TRANSFORMER (ON SPEAKER)
A	1ST. LF. TRANS. PRIMARY	
B	2ND. LF. TRANS. PRIMARY	
C	2ND. LF. TRANS. SECONDARY	
D	ANTENNA TRIMMER	
E	BROADCAST OSC. (500 OHMS)	
TYPE	PART	DESCRIPTION
C-1	22-178	2 GAINS VARIABLE
C-2	22-180	.05 MFD
C-3	22-182	.05 MFD
C-4	22-184	.05 MFD
C-5	22-186	.01 MFD
C-6	22-248	.05 MFD
C-7	22-248	.05 MFD
C-8	22-248	.05 MFD
C-9	22-248	.05 MFD
A-1	43-327	4700 OHM
A-2	43-328	100 M OHM
A-3	43-329	68 M OHM
A-4	43-330	2.2 M OHM
A-5	43-331	680 M OHM
A-6	43-332	1 M OHM
A-7	43-333	1000 OHM

ALIGNMENT PROCEDURE

Operation	Connect Test Oscillator to	Dummy Antenna	Set Test Osc. to	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 Mfd.	455	600	A B C D	I. F. Alignment
2	Rec. Ani. Lead	200 Mmfd.	1500	1500	F	Set Osc. to Scale
3	" "	200 Mmfd.	1500	1500	G	Alignment of Ani.