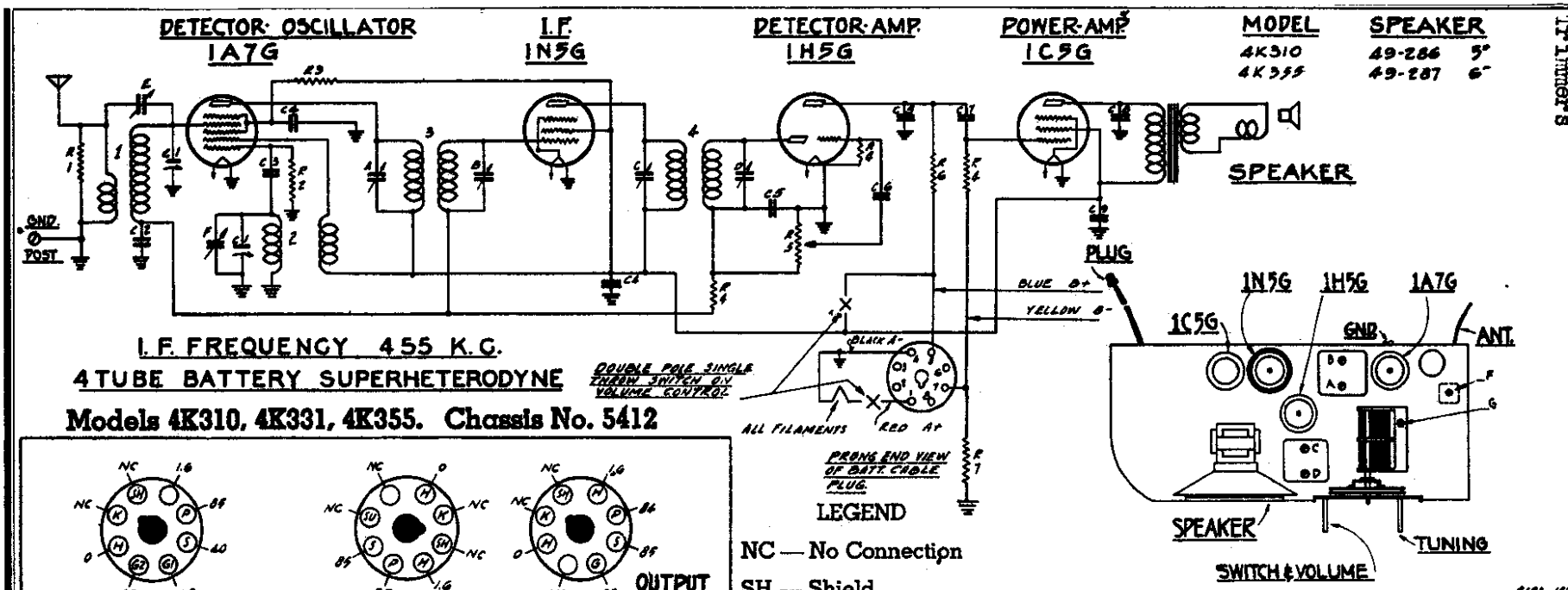
Courtesy Nostalgia Air

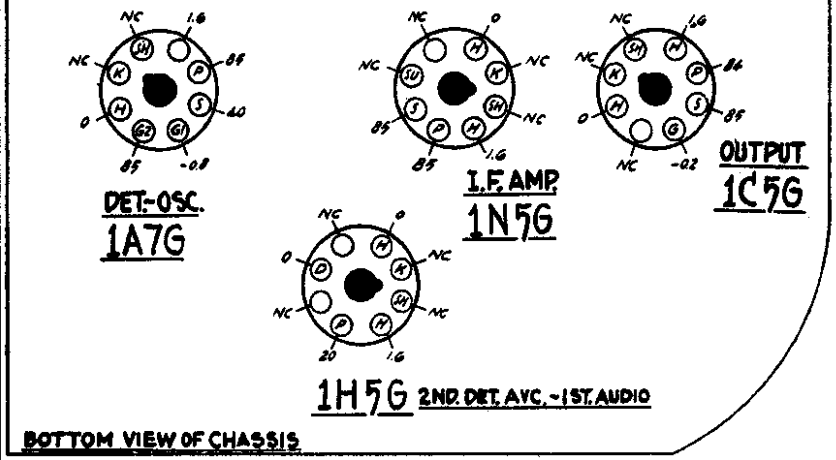
ZENITH RADIO CORP.



I. F. FREQUENCY 455 K.C.

4 TUBE BATTERY SUPERHETERODYNE

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



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

DIAG. NO	PART NO	DESCRIPTION
1	5-6704	ANTENNA COIL ASSEMBLY
2	5-6381	OSCILLATOR COIL ASSEMBLY
3	95-513	1ST. I.F. TRANSFORMER
4	95-930	2ND I.F. TRANSFORMER
5		SPEAKER TRANS. (ON SPEAKER)
A		1ST I.F. TRANS. PRIMARY
B		1ST. I.F. TRANS. SECONDARY
C		2ND. I.F. TRANS. PRIMARY
D		2ND. I.F. TRANS. SECONDARY
E	22-348	ANTENNA TRIMMER
F		BROADCAST OSC. (ON GANG)

DIAG. NO	PART NO.	DESCRIPTION	
C-1	22-778	2 GANG VARIABLE	
C-2	22-250	.05 MFD.	1000V
C-3	22-182	.00025 MFD	600V
C-4	22-212	.05 MFD	600V
C-5	22-162	.0001 MFD	600V
C-6	22-185	.01 MFD	600V
C-7	22-248	.01 MFD	600V
C-8	22-448	.006 MFD	600V
C-9	22-684	8 MFD DRY ELEC.	150
R-1	63-587	4700 OHM	1/2 W
R-2	63-658	180 M OHM	1/2 W
R-3	63-594	68 M OHM	1/2 W
R-4	63-600	2.2 MEGOHM	1/2 W
R-5	63-597	440 M OHM VOL. CONT. & SWITCH	1/2 W
R-6	63-271	1 MEGOHM	1/2 W
R-7	63-238	1000 OHM	1/2 W

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.

All voltages measured using Zenith No. Z28 battery pack.

ALIGNMENT PROCEDURE

Operation	Connect Test Oscillator to	Dummy Antenna	Set Test Osc. to	Band	Set Dial At	Adjust Trimmers	Purpose
1	1st Det. Grid	1/2 Mfd.	455	Br'dc't	600	ABCD	I. F. Aligment
2	Rec. Ant. Lead	200 Mmfd.	1500	"	1500	F	Set Osc. to Scale
3	" " "	200 Mmfd.	1500	"	1500	G	Al'gment of Ant.