

Zenith Radio Corp.

Model: 4F133

Chassis:

Year: Pre October 1937

Power:

Circuit:

IF:

Tubes:

Bands:

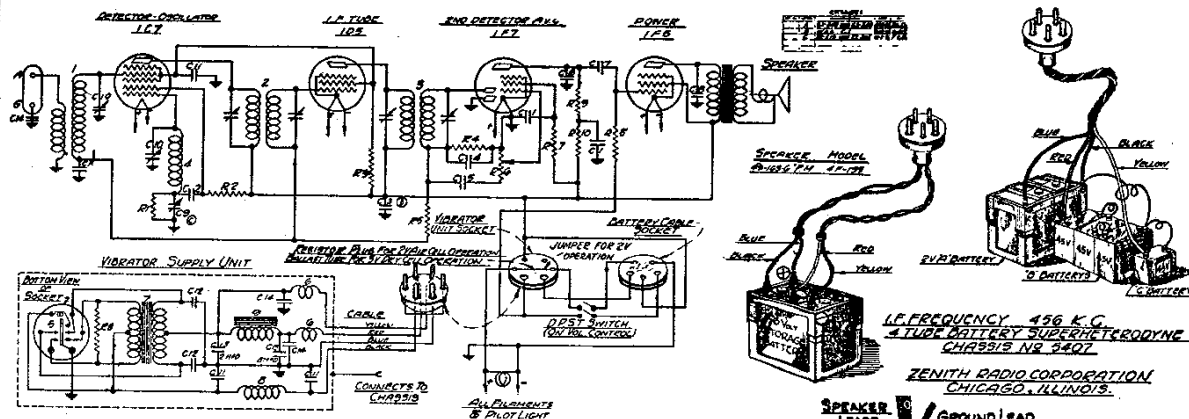
Resources

Riders Volume 8 - ZENITH 8-2

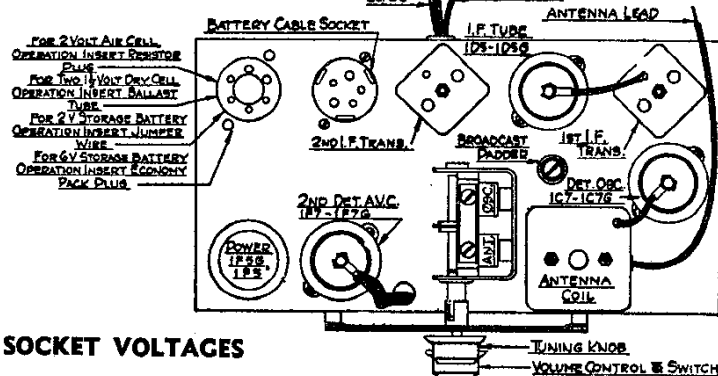
MODEL 4F133

Chassis 5407
Schematic, Voltage
Socket, Trimmers
Alignment, Parts
Battery Conn.

ZENITH RADIO CORP.



QTY	NO.	DESCRIPTION	QTY	NO.	DESCRIPTION
C1	1000	25 MFD	1	5410	ANTENNA COIL ASSEM
C2	400	50 MFD	1	5411	1ST I.F. TRANSFORMER
C3	3500	50 MFD	1	5412	2ND I.F. TRANSFORMER
C4	200	50 MFD	1	5413	OSCILLATOR COIL ASSEM
C5	100	50 MFD	1	5414	1ST I.F. TRANSFORMER
C6	150	50 MFD	1	5415	2ND I.F. TRANSFORMER
C7	100	50 MFD	1	5416	500 OHM R.F. CHOK
C8	270	50 MFD	1	5417	100 OHM A.C. CHOK
C9	100	50 MFD	1	5418	100 OHM A.C. CHOK
C10	100	50 MFD	1	5419	100 OHM A.C. CHOK
C11	100	50 MFD	1	5420	100 OHM A.C. CHOK
C12	100	50 MFD	1	5421	100 OHM A.C. CHOK
C13	100	50 MFD	1	5422	100 OHM A.C. CHOK
C14	100	50 MFD	1	5423	100 OHM A.C. CHOK
R1	4700	470 OHM	1	5424	100 OHM A.C. CHOK
R2	960	5 M OHM	1	5425	100 OHM A.C. CHOK
R3	400	400 OHM	1	5426	100 OHM A.C. CHOK
R4	400	400 OHM	1	5427	100 OHM A.C. CHOK
R5	270	270 OHM	1	5428	100 OHM A.C. CHOK
R6	100	100 OHM	1	5429	100 OHM A.C. CHOK
R7	100	100 OHM	1	5430	100 OHM A.C. CHOK
R8	100	100 OHM	1	5431	100 OHM A.C. CHOK
R9	100	100 OHM	1	5432	100 OHM A.C. CHOK
R10	100	100 OHM	1	5433	100 OHM A.C. CHOK



SOCKET VOLTAGES

Tube	Position	1	2	3	4	5	6	7	8	9
1C7	1st Det. Osc.	0	2	128	48	-2	112	0	0	0
1D5	I.F.	0	2	126	48	-	-	0	0	0
1F7	2nd Det. A.V.C.	0	2	27	0	0	9	0	0	0
1F5	Power	0	2	122	126	0	-	0	0	-

All voltages measured with a 1000 ohm per volt D.C. meter and using the Zenith 6 V Economy Pack—Antenna and ground disconnected.

Battery Voltage—6.3 V.

Battery Drain—.98 amp. **ALIGNMENT**

Connect the output leads of the signal generator to the grid of the first detector and receiver ground lead. Also connect an output meter across the speaker leads.

Set the signal generator at 456 K.C. and carefully adjust the four I.F. trimmers to the point giving the greatest output reading. These I.F. transformers are of a very high gain, selective type, and the adjustments should be repeated several times for greatest accuracy.

Change the signal generator leads to the antenna and ground terminals of the receiver.

Set the signal generator at 1400 K.C. Set the pointer on the receiver dial at the same frequency. First adjust the oscillator and then the detector trimmers on the gang condenser to the point giving the maximum reading on the output meter, using as small a signal from the generator as possible so as to prevent the A.V.C. action from affecting the output readings.

Reset the signal generator to 600 K.C.

Slowly rock the pointer past 600 K.C. on dial meanwhile adjusting the osc. padder (located in rear of gang condenser) to the combination giving the greatest output reading.

Repeat operation No. 4.