

Zenith Radio Corp.

Model: 5R135

Chassis:

Year: Pre October 1937

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

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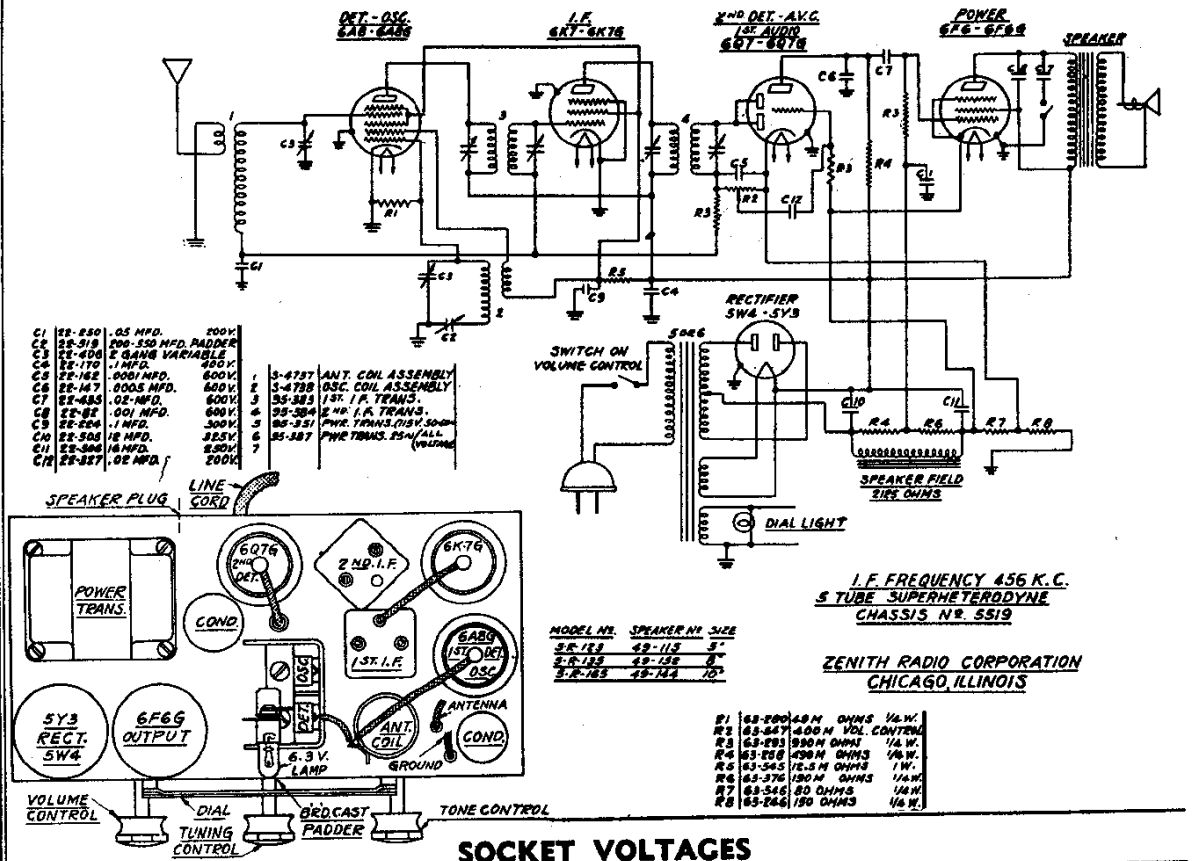
ZENITH RADIO CORP.

MODELS 5R123, 5R135, 5R165

Chassis 5519

Schematic, Socket, Voltage

Trimmers, Alignment, Parts



SOCKET VOLTAGES

Tube	Position	1	2	3	4	5	6	7	8	9
6A8G	1st Det. Osc.	0	0	220	102	—5	97	6.1AC	0	0
6K7G	I. F.	0	0	220	102	0	—	6.1AC	0	0
6Q7G	2nd Det. A. V. C.	0	0	54	—3	—3	—	6.1AC	—3	0
6F6G	Power	0	0	210	225	—4	—	6.1AC	—5	—
5Y3	Rect.	0	225	—	305AC	—	305AC	—	225	—

Line voltage 115 V. Antenna and ground disconnected. All voltages measured from point indicated to ground, using a 1000 ohm per volt meter.

ALIGNMENT PROCEDURE

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, selectivity type, and the adjustments should be repeated several times for greatest accuracy.

Change the signal generator leads to the antenna and ground leads 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 beneath dial on front of chassis) to the combination giving the greatest output reading.

Repeat operation No. 4.