





# Zenith Radio Corporation

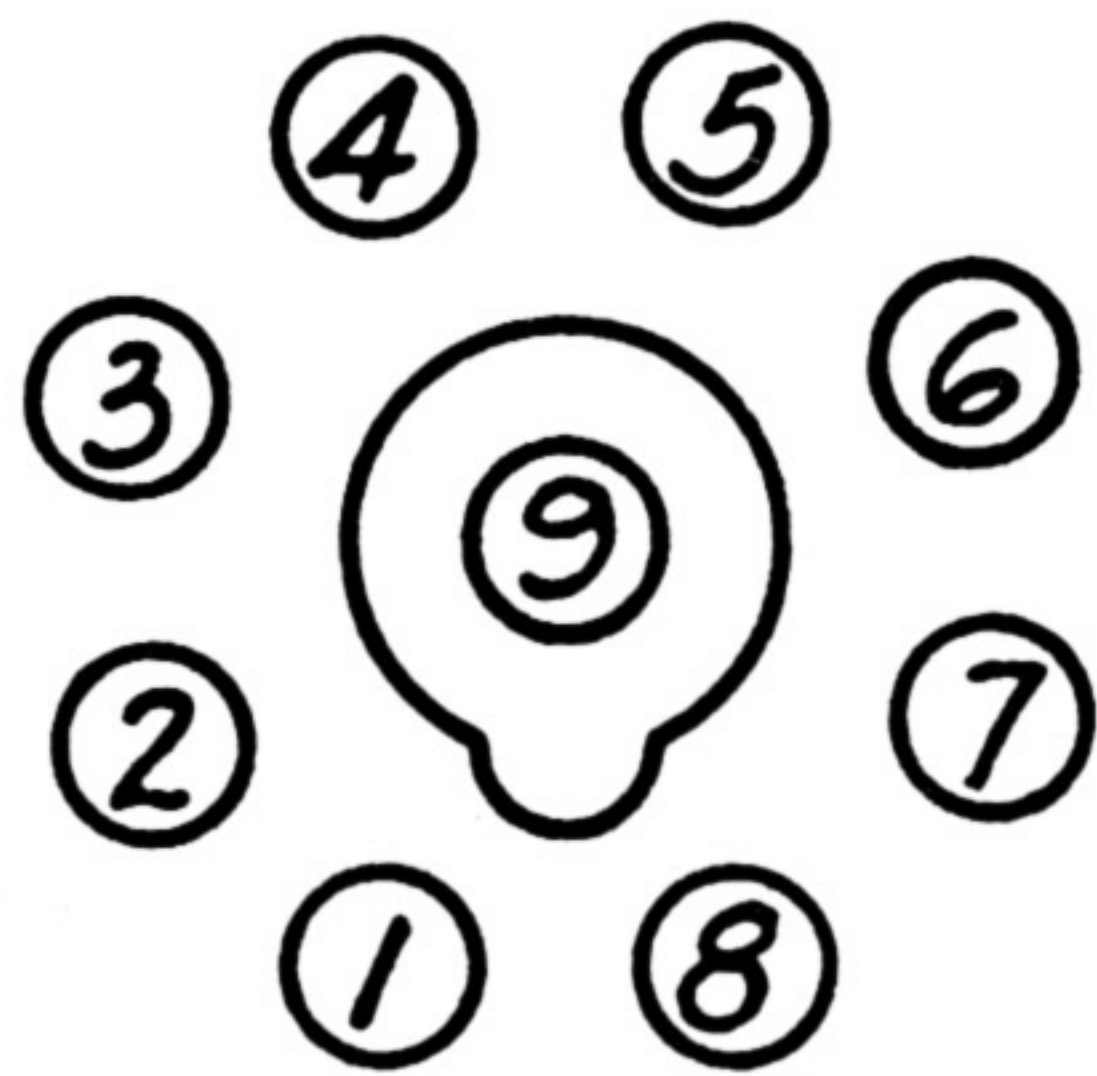
## Socket Voltages

| TUBE | POSITION           | 1 | 2                 | 3   | 4                 | 5   | 6                 | 7 | 8   | 9 |
|------|--------------------|---|-------------------|-----|-------------------|-----|-------------------|---|-----|---|
| 6A8  | 1st Det.<br>Osc.   | 0 | 5.8 <sub>ac</sub> | 260 | 80                | -.1 | 210               | 0 | 4   | 0 |
| 6K7  | I. F.              | 0 | 5.8 <sub>ac</sub> | 260 | 80                | 0   | -                 | 0 | 5.2 | 0 |
| 6B6  | 2nd Det.<br>A.V.C. | 0 | 5.8 <sub>ac</sub> | 135 | 0                 | 0   | -                 | 0 | 1.5 | 0 |
| 6F6  | PWR                | 0 | 5.8 <sub>ac</sub> | 240 | 260               | -.7 | -                 | 0 | 0   | - |
| 5Y3  | Rect.              | 0 | 260               | -   | 270 <sub>ac</sub> | -   | 270 <sub>ac</sub> | - | 260 | - |

Line Voltage 110

Antenna and Ground Disconnected

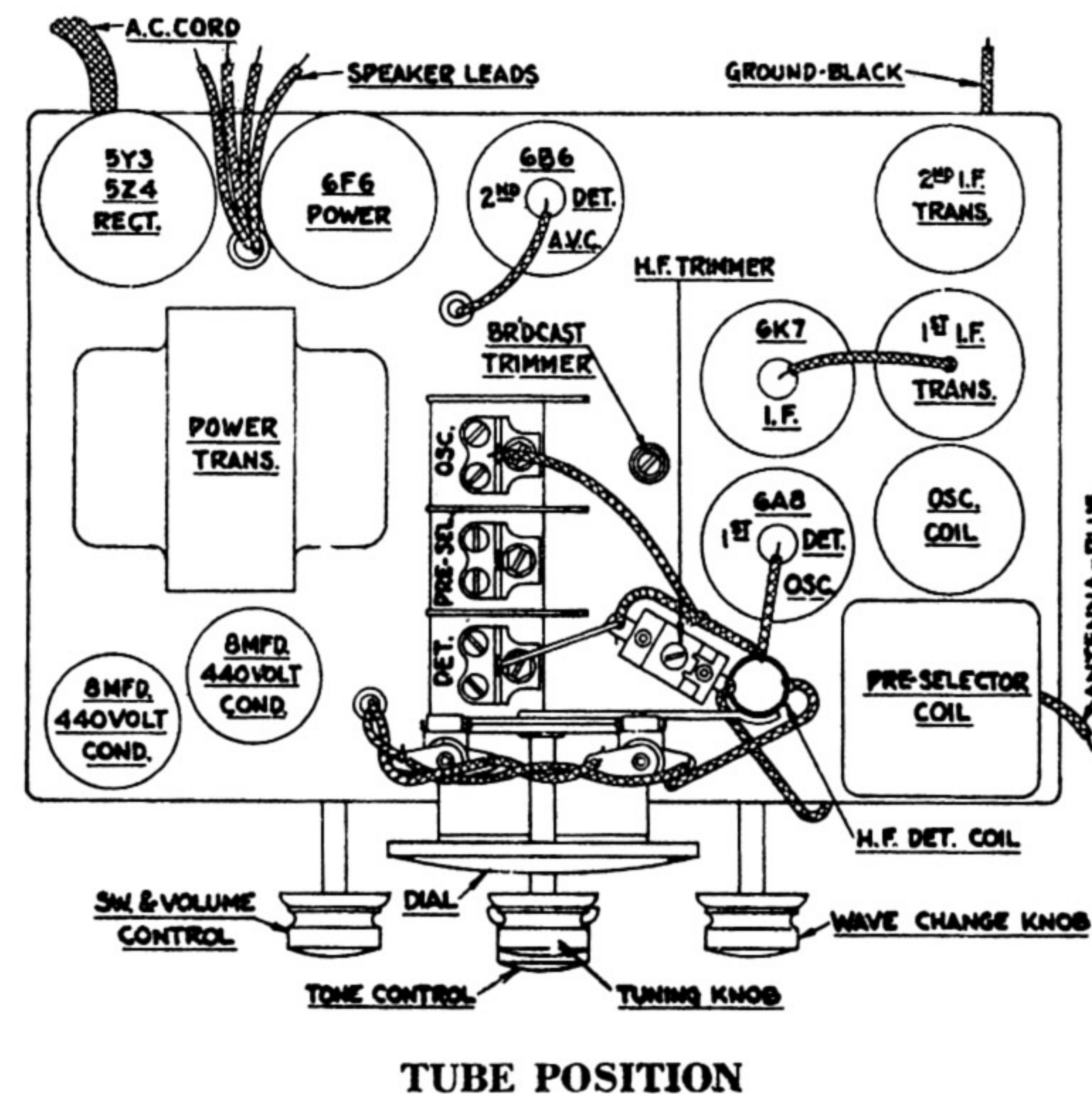
All voltages measured from point indicated to ground, using a 1000 ohm per volt D.C. meter (unless marked otherwise).



BOTTOM VIEW  
OF SOCKET

### Alignment

1. Balance I.F. transformers at 252.5 K.C. with test oscillator connected to control grid of 6A8 and ground.
2. Turn band switch to C band. Connect test oscillator to antenna and ground leads. Set test oscillator at 15 Megacycles. Adjust oscillator trimmer on gang condenser for correct dial reading.
3. Adjust detector trimmer (located on top of chassis between front section of gang condenser and coil) for maximum output.
4. Turn band switch to A band. Adjust oscillator trimmer (located on right side underneath chassis) for correct dial reading at 1400 K.C. also adjust preselector and detector trimmers on gang for maximum output.
5. Adjust oscillator padder (next to oscillator section of gang on top of chassis) while rocking pointer back and forth past 600 K.C. to the combination giving greatest output.
6. Recheck 1400 K.C.
7. Repeat entire procedure.



TUBE POSITION





**PARTS AND PRICES**  
 Chassis #5513 - Domestic  
 #5513A - Export

Models 5-S-29, 5-S-56  
 5-S-29 A,  
 5-S-56A

**Dial Assembly**

|        |   |        |
|--------|---|--------|
| S-3867 | Complete Split Second Dial Assembly ..... | \$3.75 |
| 26-105 | Dial Scale .....                          | .40    |
| 32-6   | Drive Belt .....                          | .15    |
| 59-48  | Split Second Pointer .....                | .10    |
| 59-49  | Special Z Pointer .....                   | .15    |
| 93-231 | Glass Cushion Washer .....                | .05    |
| 100-23 | 6.3 Volt Pilot Lamp .....                 | .15    |
| 132-14 | Dial Glass Retainer Ring .....            | .05    |
| 192-6  | Dial Glass .....                          | .20    |

**Condensers**

|        |                               |      |
|--------|-------------------------------|------|
| 22-82  | .001 Mfd. 600 V. ....         | .25  |
| 22-125 | 8. " 440 V. ....              | 1.00 |
| 22-127 | 25 Mmfd. 600 V. ....          | .20  |
| 22-170 | .1 Mfd. 400 V. ....           | .25  |
| 22-182 | .00025 Mmfd. 600 V. ....      | .12  |
| 22-185 | .01 Mfd. 200 V. ....          | .20  |
| 22-188 | .02 " 400 V. ....             | .15  |
| 22-199 | .5 " 200 V. ....              | .35  |
| 22-250 | .05 " 200 V. ....             | .15  |
| 22-292 | 500 - 1000 Mmfd. Padder ..... | .45  |
| 22-304 | .0036 Mfd. 600 V. ....        | .30  |
| 22-305 | 2-35 Mmfd. Padder .....       | .15  |
| 22-380 | Gang Variable .....           | 3.50 |
| 22-417 | .1 Mfd. 600 V. ....           | .25  |
| 22-435 | .02 Mfd. 600 V. ....          | .15  |

**Resistors**

|        |   |      |
|--------|---|------|
| 63-258 | 490 M Ohm $\frac{1}{4}$ Watt .....                      | .20  |
| 63-277 | 170 " $\frac{1}{4}$ " .....                             | .20  |
| 63-278 | 99 M " $\frac{1}{4}$ " .....                            | .20  |
| 63-280 | 49 M " $\frac{1}{4}$ " .....                            | .20  |
| 63-293 | 990 M " $\frac{1}{4}$ " .....                           | .20  |
| 63-351 | 17.035 Candohm. ....                                    | .65  |
| 63-366 | Volume Control & Switch Assembly.....                   | .90  |
| 63-373 | 11 M Ohm $\frac{1}{4}$ Watt .....                       | .20  |
| 63-409 | Volume Control & Switch Assembly.....(Export Only)..... | 1.00 |
| 63-475 | Tone Control Assembly.....                              | .65  |

**Coils and Chokes**

|        |                                      |      |
|--------|--------------------------------------|------|
| 95-244 | 1st I. F. Transformer Assembly.....  | 1.50 |
| 95-245 | 2nd I. F. Transformer Assembly.....  | 1.50 |
| S-3129 | Oscillator Coil Assembly .....       | 1.00 |
| S-3377 | 16-Meter Detector Coil Assembly..... | .75  |
| S-3397 | Selector-Detector Coil Assembly..... | 2.00 |

**Miscellaneous**

|        |  |     |
|--------|--|-----|
| 44-7   | Phonograph Jack.....(Export Only)..... | .15 |
| 46-124 | Volume and Tone Control Knobs.....     | .20 |



PARTS AND PRICES

-2-

Models 5-S-29, 5-S-56  
5-S-29 A,  
5-S-56 A

Miscellaneous (Cont'd)

|         |   |      |
|---------|---|------|
| 46-127  | Tone Control Knob.....                            | .15  |
| 46-130  | Band Selector Knob.....                           | .20  |
| 46-131  | Tuning Knob.....                                  | .15  |
| 49-79   | 8" Dynamic Speaker (Model 56) .....               | 8.00 |
|         | Cone and Voice Coil for 49-79 .....               | 2.50 |
|         | Field Coil for 49-79.....                         | 2.00 |
|         | Output Transformer for 49-79.....                 | 2.00 |
| 49-81   | 6" Dynamic Speaker (Model 29) .....               | 5.50 |
|         | Cone and Voice Coil for 49-81.....                | 2.00 |
|         | Field Coil for 49-81 .....                        | 2.00 |
|         | Output Transformer for 49-81 .....                | 1.50 |
| 57-483  | Dial Escutcheon Plate .....                       | .50  |
| 78-131  | 6K7 Wafer Type Tube Socket.....                   | .15  |
| 78-132  | 6A8 Wafer Type Tube Socket.....                   | .15  |
| 78-136  | 5Y3 " " " " .....                                 | .15  |
| 78-137  | 6F6 " " " " .....                                 | .15  |
| 78-143  | 6B6 " " " " .....                                 | .15  |
| 85-39   | Phono Switch - D. P. D. T. ... (Expert only)..... | 1.00 |
| 85-62   | Band Selector Switch .....                        | .80  |
| 95-229  | All Voltage 25 cycle Power Transformer .....      | 6.50 |
| 95-234  | 117 Volt, 50-60 cycle Power Transformer .....     | 3.75 |
| 126-127 | Tube Shield .....                                 | .10  |

THESE PRICES SUPERSEDE ALL PREVIOUS QUOTATIONS AND ARE SUBJECT TO REGULAR DISCOUNT AND CHANGE WITHOUT NOTICE

ZENITH RADIO CORPORATION  
CHICAGO, ILLINOIS, U. S. A.  
July 5, 1935