





| TUBE | POSITION | Ef  | Ek  | Eg1 | Eg2 | Eg3 | Ep  |
|------|----------|-----|-----|-----|-----|-----|-----|
| 6A7  | 1st Det. | 5.8 | 5.2 | 0   | 80  | -   | 260 |
|      | Osc.     |     |     | .6  | -   | -   | 210 |
| 6D6  | I.F.     | 5.8 | 5.2 | 0   | 80  | 5.2 | 260 |
| 75   | 2nd Det. | 5.8 | 1.5 | 0   | -   | -   | 135 |
| 42   | PWR.     | 5.8 | 0   | -.7 | 260 | -   | 245 |
| 80   | RECT.    | 4.8 | -   | -   | -   | -   | -   |

Line Voltage 112

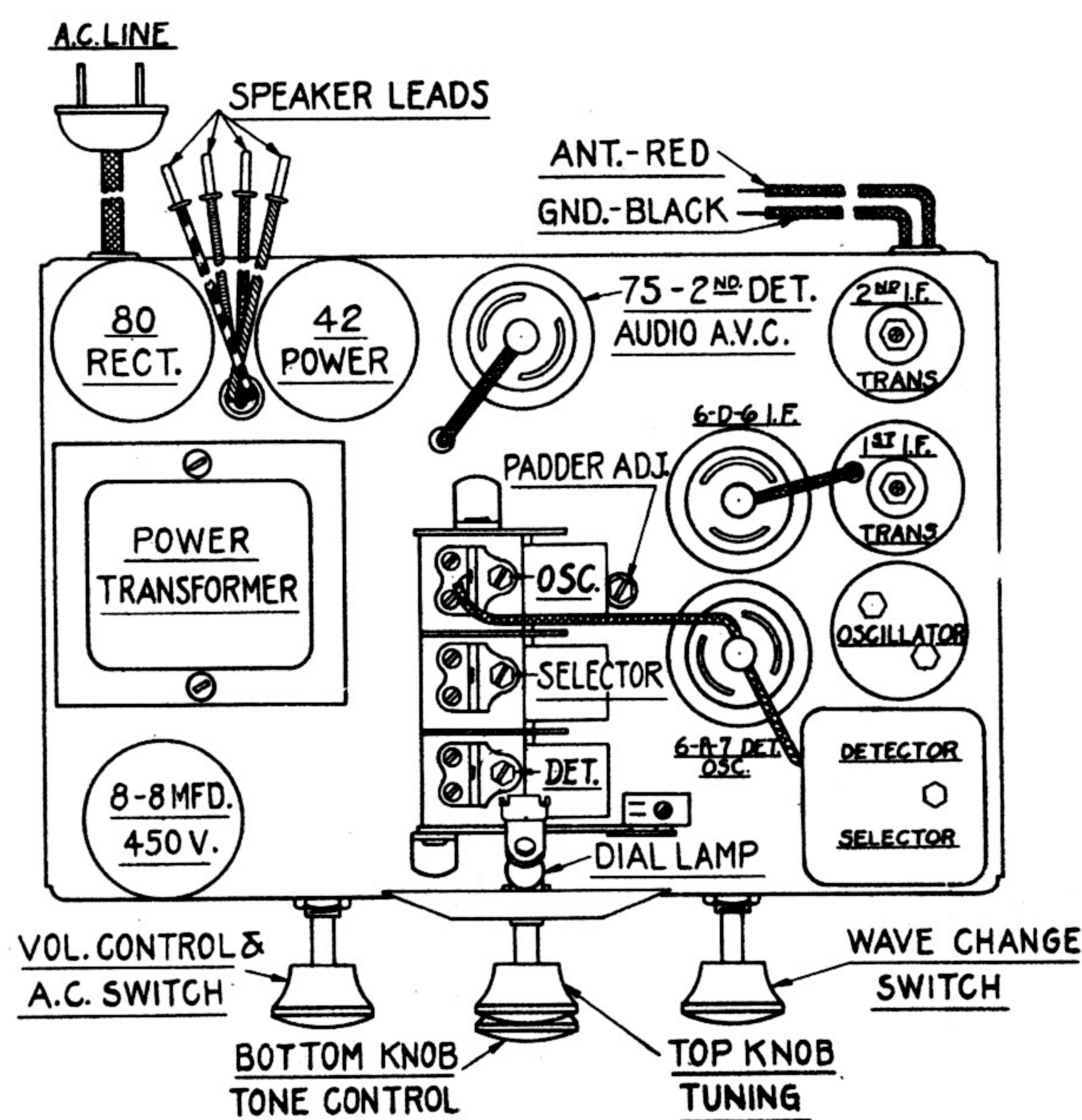
Antenna and Ground Disconnected

All measurements taken from point indicated to ground, using a 1000 ohm per volt D.C. meter ( except filaments).

F - Filament; K - Cathode; g1 - Control Grid; g2 - Screen Grid; g3 - Suppressor Grid; p - Plate.

#### Alignment

1. Balance I.F. transformers at 252.5 K.C. with test oscillator connected to control grid of 6A7 and ground.
2. Connect test oscillator to antenna and ground leads.
3. Adjust broadcast padder (located nest to gang on top of chassis) for correct dial reading at 600 K.C.
4. Adjust trimmer on oscillator section of gang for correct dial reading at 15 M.C. Adjust detector trimmers (located between gang and coil shield on top of chassis) for maximum signal.
5. 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 signal.
6. Readjust broadcast padder for correct dial setting.



Tube Position



PARTS AND PRICES  
MODEL 806  
Chassis 5504

MODELS 806, S-847,  
807, 850

Condensers

|        |                           |       |                                               |        |
|--------|---------------------------|-------|-----------------------------------------------|--------|
| 22-82  | .001                      | Mfd.  | 500 Volt (1st Audio Plate, Osc. Plate).....   | \$ .25 |
| 22-125 | 8.                        | "     | 440 Volt ( Filter).....                       | 1.00   |
| 22-127 | 25                        | Mmfd. | 500 Volt (Osc. Grid).....                     | .15    |
| 22-170 | .1                        | Mfd.  | 400 Volt (1st Audio bypass).....              | .25    |
| 22-182 | .000025                   | "     | 600 Volt (A.V.C. Bypass).....                 | .12    |
| 22-188 | .02                       | "     | 400 Volt (1st & 2nd Audio Coupling).....      | .15    |
| 22-229 | .005                      | "     | 600 Volt ( Osc. Grid).....                    | .15    |
| 22-250 | .05                       | "     | 200 Volt (1st Det. I. F. Screen, A.V.C.)..... | .15    |
| 22-287 | .03                       | "     | 600 Volt (Tone Control).....                  | .15    |
| 22-290 | Three-gang variable ..... |       |                                               | 3.25   |
| 22-292 | Padder .....              |       |                                               | .45    |
| 22-305 | .35                       | Mmfd. | Padder ( Osc. Grid).....                      | .15    |
| 22-310 | .2                        | Mfd.  | 200 Volt ( 1st I.F. Cathode).....             | .15    |
| 22-312 | .01                       | "     | 200 Volt (2nd Detector Cathode).....          | .10    |

Resistors

|        |                                 |                    |                                           |     |
|--------|---------------------------------|--------------------|-------------------------------------------|-----|
| 63-258 | 490 M Ohms                      | $\frac{1}{4}$ Watt | (A.V.C. Filter).....                      | .20 |
| 63-278 | 99 M "                          | $\frac{1}{4}$ Watt | (1st Aduio Plate, Osc. Grid).....         | .20 |
| 63-293 | 990 M "                         | $\frac{1}{4}$ Watt | (Power & 1st Audio Grid).....             | .20 |
| 63-351 | Candohm Voltage Divider .....   |                    |                                           | .65 |
| 63-353 | 19 M Ohms                       | $\frac{1}{4}$ Watt | (Tone Control).....                       | .20 |
| 63-357 | 300 "                           | $\frac{1}{4}$ Watt | (I.F.Cathode & 1st Detector Cathode)..... | .20 |
| 63-366 | Volume Control and Switch ..... |                    |                                           | .90 |
| 63-373 | 11 M Ohms                       | $\frac{1}{2}$ Watt | ( Osc. Plate).....                        | .25 |

Coils

|        |                                                  |  |  |      |
|--------|--------------------------------------------------|--|--|------|
| S-3048 | Oscillator Coil and Shield Assembly .....        |  |  | 1.00 |
| S-3049 | Selector Coil and Shield Assembly .....          |  |  | 1.75 |
| 95-227 | 1st I. F. Transformer Complete with Shield ..... |  |  | 1.50 |
| 95-230 | 2nd I. F. Transformer " " " .....                |  |  | 1.50 |

Miscellaneous

|        |                                              |   |       |      |
|--------|----------------------------------------------|---|-------|------|
| 19-51  | Goat Tube Shield Clips.....                  |   |       | .03  |
| 46-82  | Control Knobs (4 used).....                  |   |       | .10  |
| 49-81  | 6" Dynamic Speaker .....                     |   |       | 5.50 |
|        | Cone and Voice Coil for 49-81 Speaker .....  |   |       | 2.00 |
|        | Output Transformer for 49-81 Speaker .....   |   |       | 1.50 |
|        | Field Coil for 49-81 Speaker .....           |   |       | 2.00 |
| 57-436 | Escutcheon Plate for Dial .....              |   |       | .25  |
| 78-82  | Wafer Socket for Type 80 Tube .....          |   |       | .10  |
| 78-100 | "                                            | " | 6D6 " | .10  |
| 78-101 | "                                            | " | 75 "  | .10  |
| 78-102 | "                                            | " | 42 "  | .10  |
| 78-106 | "                                            | " | 6A7 " | .10  |
| 85-48  | Two-position Tone Control Switch .....       |   |       | .35  |
| 85-55  | Wave Change Switch .....                     |   |       | .35  |
| 95-229 | 25 Cycle all-voltage Power Transformer ..... |   |       | 6.50 |



**PARTS AND PRICES**

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807, 850

**Miscellaneous Contd.**

|         |                                                               |        |
|---------|---------------------------------------------------------------|--------|
| 100-23  | 6.3 Volt Pilot Lamp .....                                     | \$ .15 |
| 126-131 | Goat Tube Shield with Rings .....                             | .10    |
| S-2940  | Speaker Cord Assembly .....                                   | .20    |
| S-3021  | #95-234 Power Transformer and Mtg. Plate - 117 V. - 60 Cycle. | 4.00   |
| S-3061  | Dial Strip and Drive Assembly .....                           | .85    |

**MODEL S-847**

**Chassis 5507**

Same as Chassis 5504 less #49-81 Speaker and with #49-79 Speaker Added

|       |                                              |      |
|-------|----------------------------------------------|------|
| 49-79 | 8" Dynamic Speaker .....                     | 8.00 |
|       | Cone and Voice Coil for #49-79 Speaker ..... | 2.50 |
|       | Output Transformer " " " " .....             | 2.00 |
|       | Field Coil " " " " .....                     | 2.00 |

**MODEL 807**

**Chassis 5506**

Same as Chassis 5504 less S-3061 Dial, 46-82 Knobs and 57-436 Escutcheon and addition of the following:

|        |                                                |     |
|--------|------------------------------------------------|-----|
| 12-372 | Tuning Shaft, Bracket and Frame Assembly ..... | .65 |
| 26-54  | Dial Scale .....                               | .25 |
| 27-5   | Celluloid Drive Disc and Hub Assembly .....    | .25 |
| 46-87  | Small Knob ( 1 used) .....                     | .10 |
| 46-88  | Large Knob (3 used) .....                      | .10 |
| 57-435 | Escutcheon Plate for Airplane Dial .....       | .40 |
| 59-27  | Pointer for Dial .....                         | .15 |
| 73-22  | Set Screw for 27-5 .....                       | .03 |
| 93-207 | Cork Cushion Washer for Glass .....            | .05 |
| 192-3  | Glass for Dial .....                           | .20 |

**MODEL 850**

**Chassis 5505**

Same as Chassis 5506 less 49-81 Speaker and addition of 49-79 Speaker

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

ZENITH RADIO CORPORATION  
September 12, 1934