

**Zenith Radio Corp.**

|  |                    |          |                       |
|--|--------------------|----------|-----------------------|
|  | Model: <b>H500</b> | Chassis: | Year: <b>Pre 1952</b> |
|  | Power:             | Circuit: | IF:                   |
|  | Tubes:             |          |                       |
|  | Bands:             |          |                       |

| Resources                                      |
|--|
| <a href="#">Riders Volume 22 - ZENITH 22-4</a> |
| <a href="#">Riders Volume 22 - ZENITH 22-5</a> |
| <a href="#">Riders Volume 22 - ZENITH 22-6</a> |
| <a href="#">Riders Volume 22 - ZENITH 22-7</a> |

MODEL H500,  
Ch. 5H40

# ALIGNMENT PROCEDURE

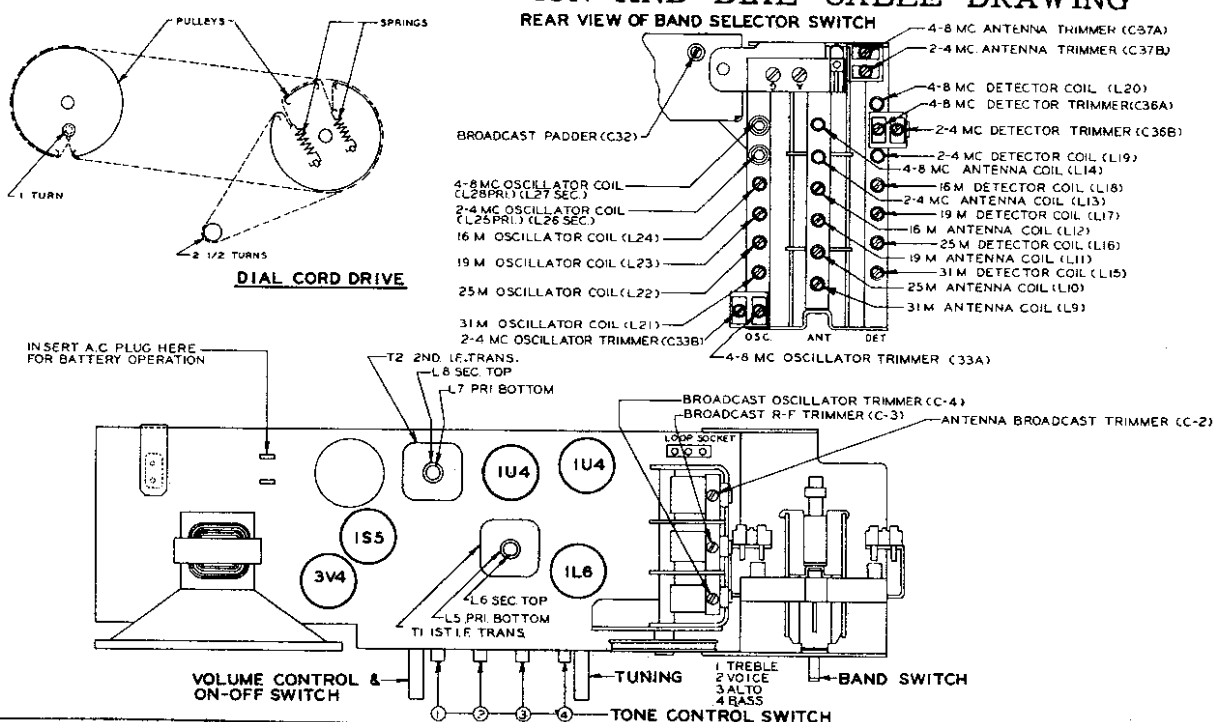
| OPER. | CONNECT OSCILLATOR TO DUMMY ANTENNA   | INPUT SIGNAL FREQ. | BAND | SET DIAL AT    | TRIMMERS    | PURPOSE                   |
|-------|---|--------------------|------|----------------|-------------|---------------------------|
| 1     | Positive lead of signal generator to converter grid through a .1 Mfd. condenser & negative lead to negative filament of 1L6 tube. | 455 Kc             | BC   | 600 Kc         | L5, 6, 7, 8 | Align I. F.               |
| 2     | One turn loop coupled loosely to broadcast wavemagnet   | 1600 Kc            | BC   | 1600 Kc        | C4          | Set oscillator to scale   |
| 3     |   | 1400 Kc            | BC   | 1400 Kc        | C3          | Alignment of detector     |
| 4     |   | 1400 Kc            | BC   | 1400 Kc        | C2          | Alignment of BC antenna   |
| 5*    |   | 600 Kc             | BC   | Rock at 600 Kc | C32         | Alignment of BC at 600 Kc |

\*Note: Rock Tuning Condenser When Making Alignment Under Operations 5, 7, 10, 12, 13, 14 & 15.

NOTE: If Trimmers C2, C3, C4 are adjusted after procedures #2 through #15 are completed, it will be necessary to repeat alignment procedures #2 through #15.

| OPERATION | CONNECT OSCILLATOR TO DUMMY ANTENNA                         | INPUT SIGNAL FREQ.      | BAND      | SET DIAL AT    | TRIMMERS         | PURPOSE  |
|-----------|---|-------------------------|-----------|----------------|------------------|--|
| 6         | 3 feet of wire approximately 1 foot from extended wave rod. | 7.8 Mc                  | 4-8 Mc    | 7.8 Mc         | C33A,C36A, C37A  | Alignment of S. W. Oscillator Detector and Antenna |
| 7*        |   | 4.2 Mc                  | 4-8 Mc    | Rock at 4.2 Mc | 4-8 Mc Osc. slug |  |
| 8         |   | Repeat Operations 6 & 7 |           |                |                  |  |
| 9         |   | 3.9 Mc                  | 2-4 Mc    | 3.9 Mc         | C33B,C36B, C37B  |  |
| 10 *      |   | 2.1 Mc                  | 2-4 Mc    | Rock at 2.1 Mc | 2-4 Mc Osc. slug |  |
| 11        |   | Repeat Operation 9 & 10 |           |                |                  |  |
| 12 *      |   | 17.8 Mc                 | 16 Meters | 17.8 Mc        | L24,L18, L12     |  |
| 13 *      |   | 15.2 Mc                 | 19 Meters | 15.2 Mc        | L23,L17, L11     |  |
| 14 *      |   | 11.8 Mc                 | 25 Meters | 11.8 Mc        | L22,L16, L10     |  |
| 15 *      |   | 9.6 Mc                  | 31 Meters | 9.6 Mc         | L21,L15 L9       |  |

## TUBE, TRIMMER LOCATION AND DIAL CABLE DRAWING



22-56

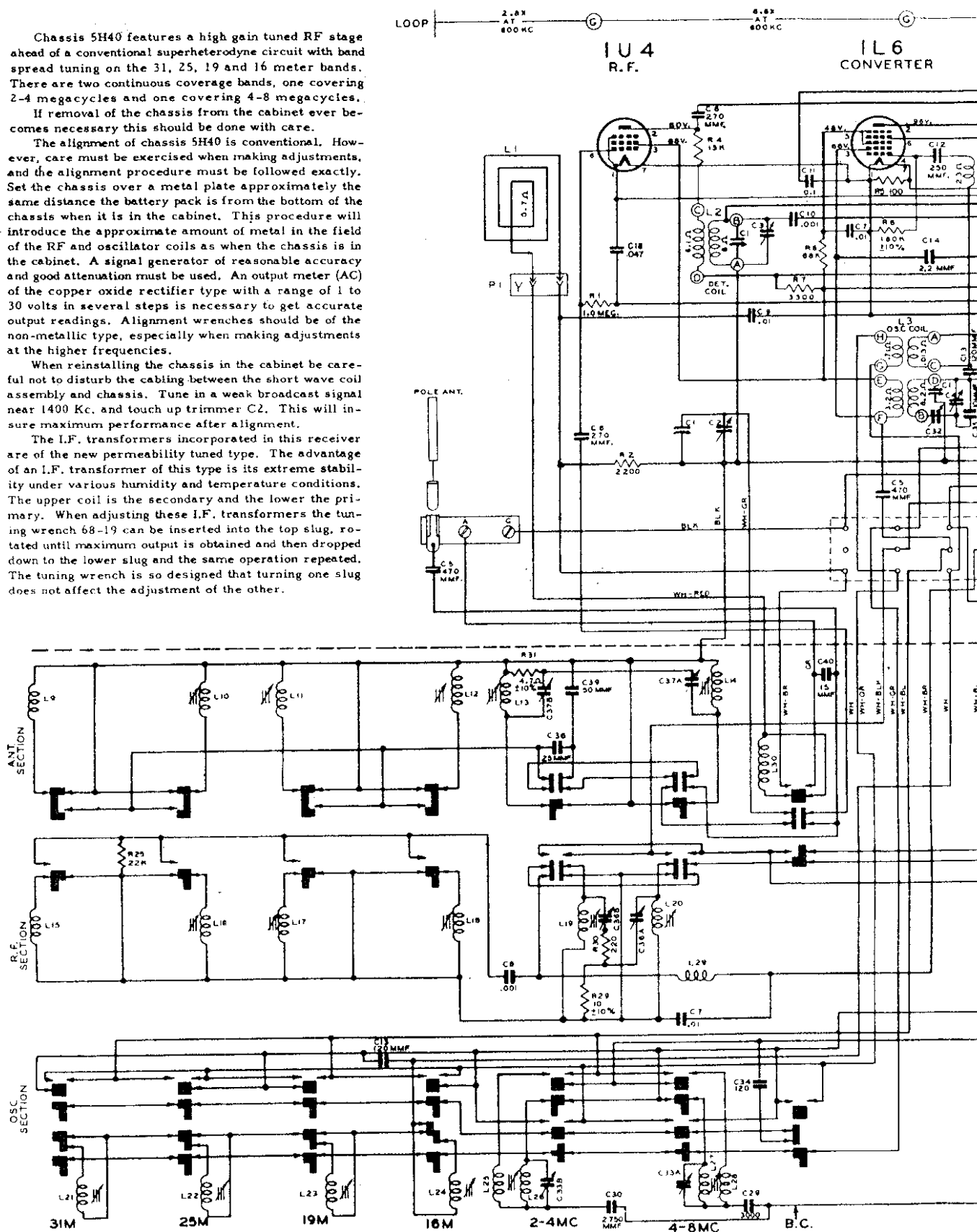
Chassis 5H40 features a high gain tuned RF stage ahead of a conventional superheterodyne circuit with band spread tuning on the 31, 25, 19 and 16 meter bands. There are two continuous coverage bands, one covering 2-4 megacycles and one covering 4-8 megacycles.

If removal of the chassis from the cabinet ever becomes necessary this should be done with care.

The alignment of chassis 5H40 is conventional. However, care must be exercised when making adjustments, and the alignment procedure must be followed exactly. Set the chassis over a metal plate approximately the same distance the battery pack is from the bottom of the chassis when it is in the cabinet. This procedure will introduce the approximate amount of metal in the field of the RF and oscillator coils as when the chassis is in the cabinet. A signal generator of reasonable accuracy and good attenuation must be used. An output meter (AC) of the copper oxide rectifier type with a range of 1 to 30 volts in several steps is necessary to get accurate output readings. Alignment wrenches should be of the non-metallic type, especially when making adjustments at the higher frequencies.

When reinstalling the chassis in the cabinet be careful not to disturb the cabling between the short wave coil assembly and chassis. Tune in a weak broadcast signal near 1400 Kc. and touch up trimmer C2. This will insure maximum performance after alignment.

The I.F. transformers incorporated in this receiver are of the new permeability tuned type. The advantage of an I.F. transformer of this type is its extreme stability under various humidity and temperature conditions. The upper coil is the secondary and the lower the primary. When adjusting these I.F. transformers the tuning wrench 68-19 can be inserted into the top slug, rotated until maximum output is obtained and then dropped down to the lower slug and the same operation repeated. The tuning wrench is so designed that turning one slug does not affect the adjustment of the other.

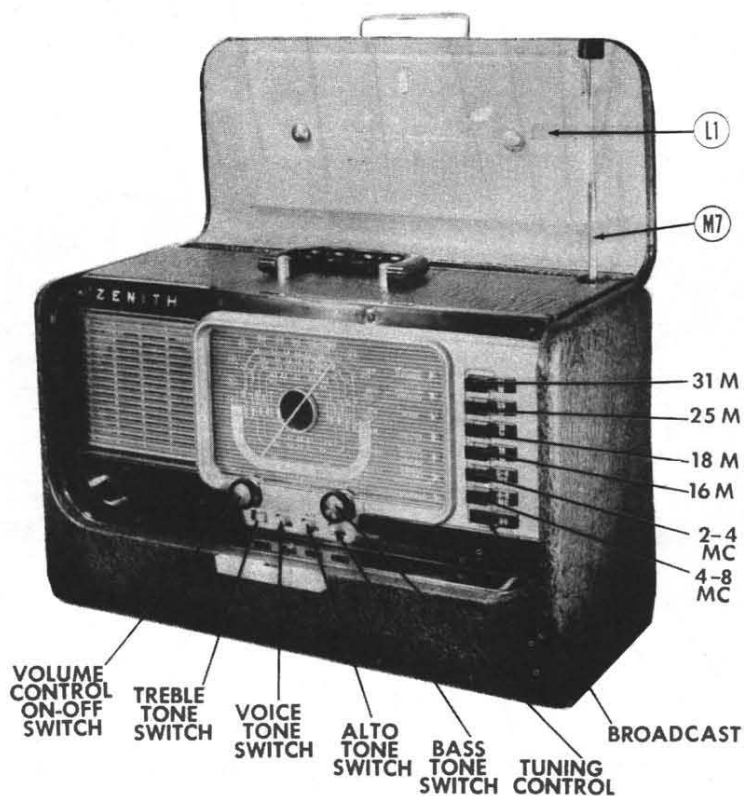








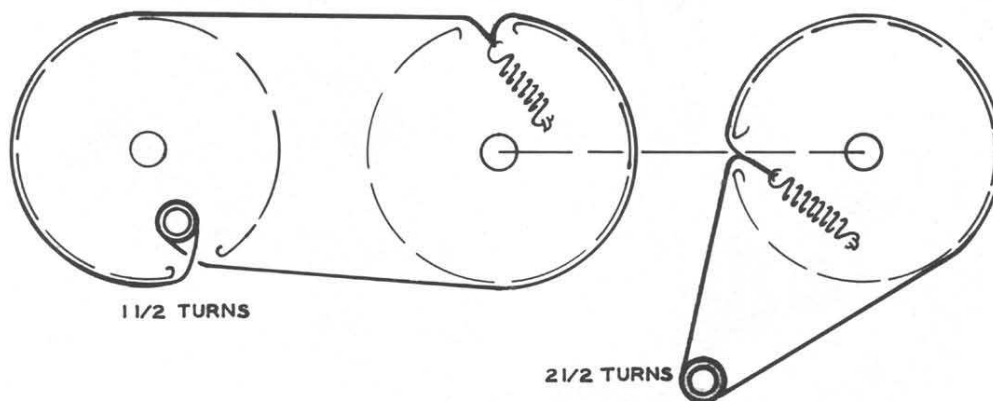
ZENITH  
MODEL H500 (Ch. 5H40)



ZENITH  
MODEL H500 (Ch. 5H40)

|                        |   |
|------------------------|---|
| TRADE NAME             | Zenith, Model H500 (Ch. 5H40)   |
| MANUFACTURER           | Zenith Radio Corp., 6001 Dickens Ave., Chicago, Illinois                                    |
| TYPE SET               | Three Power Operated Multi-Band Superheterodyne Receiver with Loop Antenna                  |
| TUBES (FIVE)           | Types 1U4 RF Amp., 1L6 Converter, 1U4 IF Amp., 1U5 DET.-AVC-AF, 3V4 Power Output            |
| POWER SUPPLY           | 110-120 Volts AC-DC or 9 Volts "A" Supply and 90 Volts "B" Supply on Pack Form              |
| RATING                 | .15 Amp. at 117 Volts AC or 70MA at 9 Volts DC and 20MA at 90 Volts DC                      |
| TUNING RANGE—BROADCAST | 540-1600KC  |
|                        | SHORT WAVE #1 4-8MC, #2 2-4MC, #3 17.4-18.2MC, #4 14.8-15.6MC, #5 11.5-12.1MC, #6 9.4-9.8MC |

TUNING GANG FULLY CLOSED



DIAL CORD DRIVE

HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana

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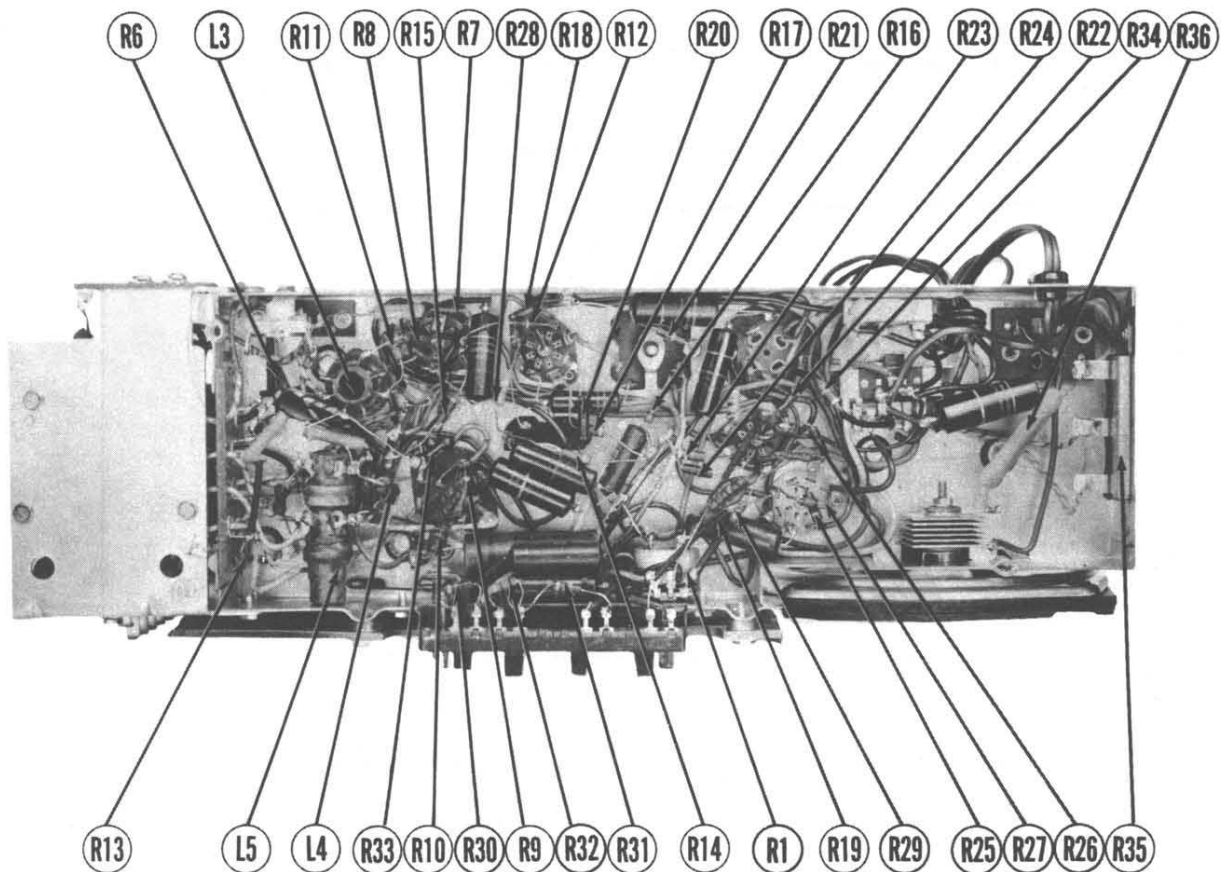
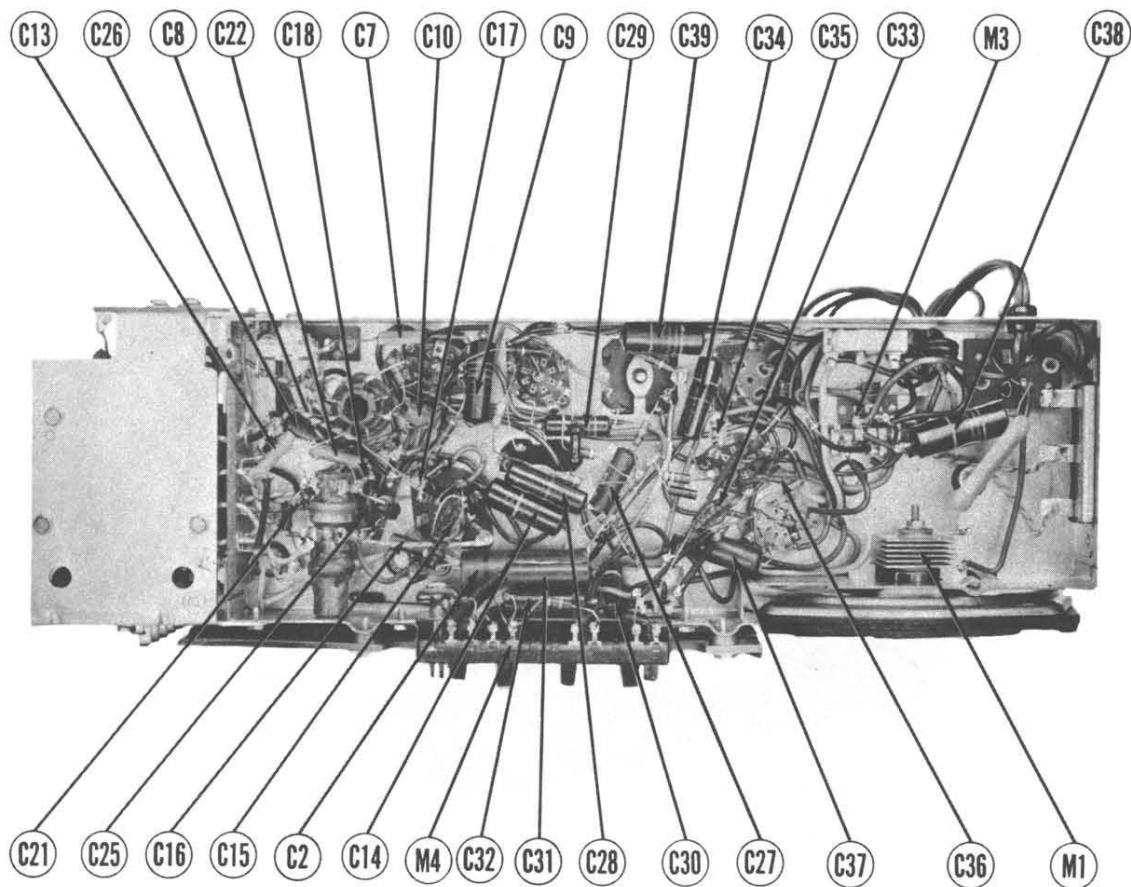
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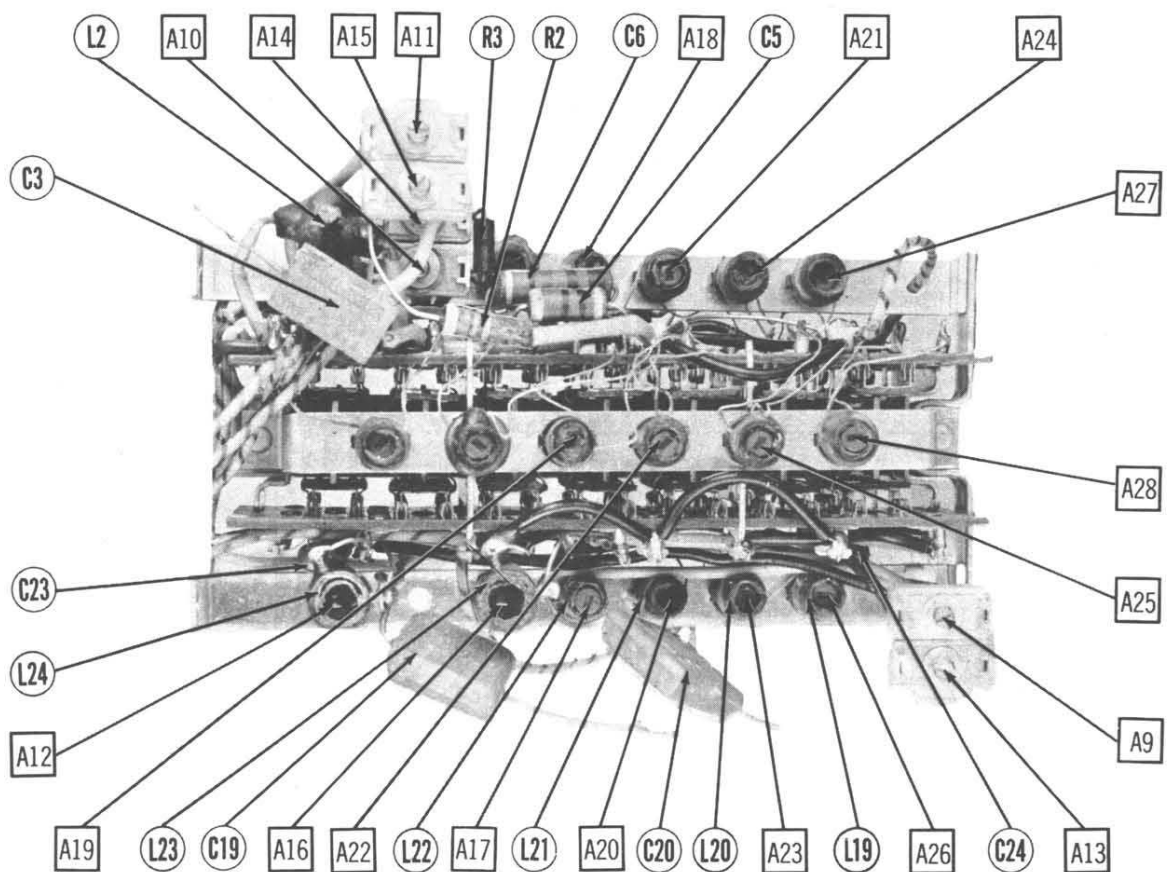
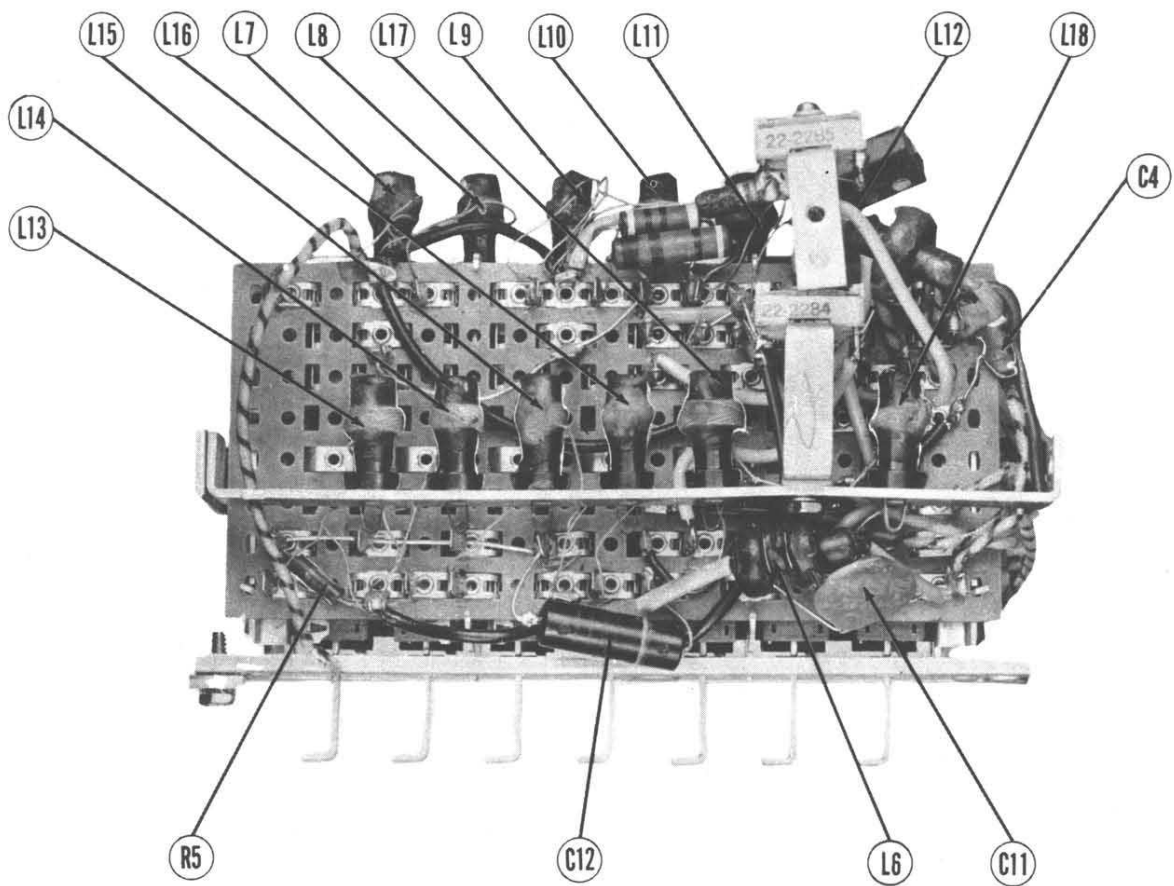
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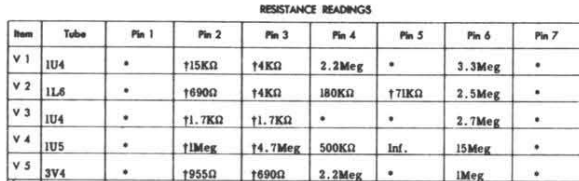
SET 152

FOLDER 12



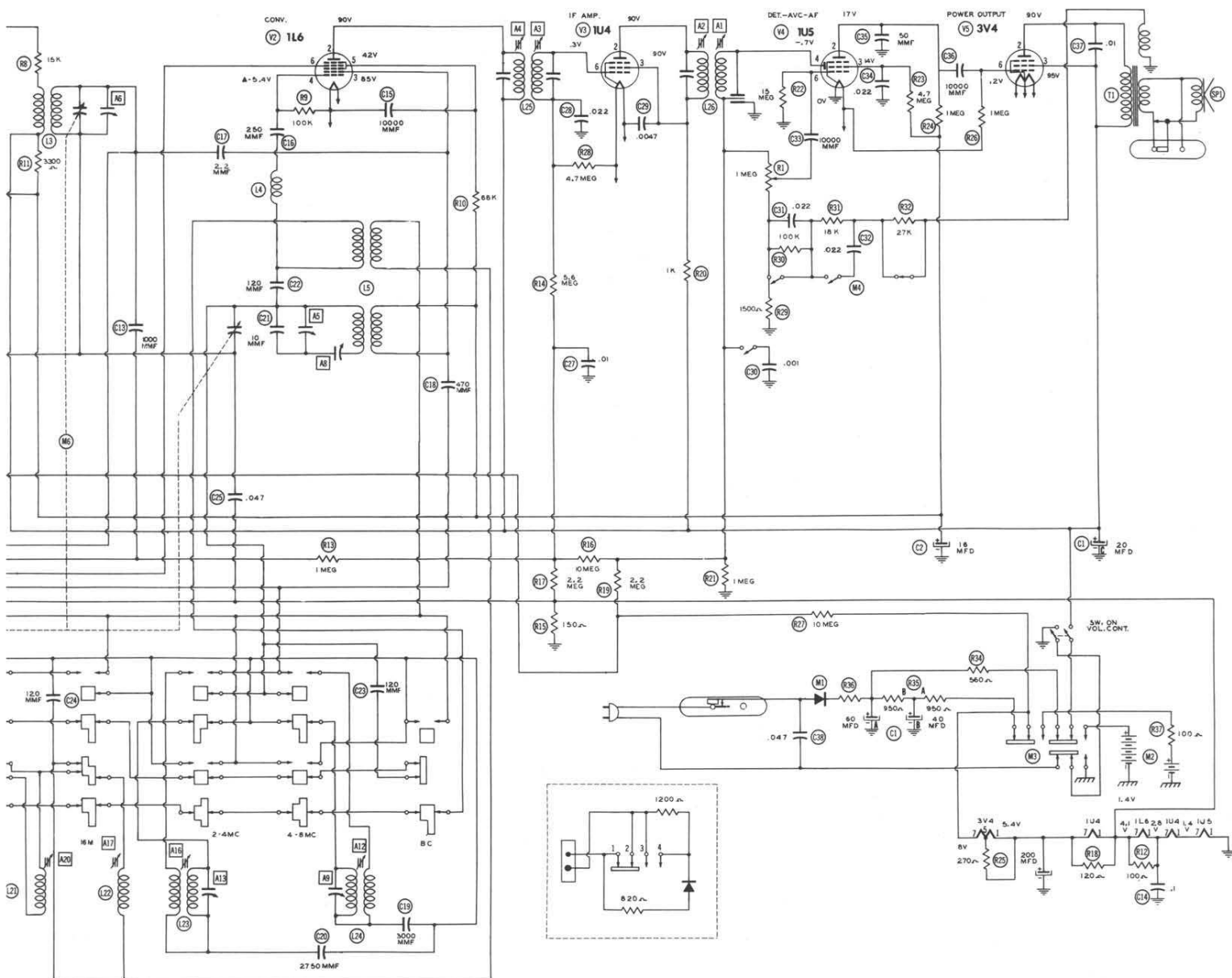






THE COOPERATION OF THE MANUFACTURER OF THIS  
RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

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measurements are at 20,000 ohms per volt; AC Voltages  
1,000 ohms per volt.  
connections are shown as bottom views.  
values are from socket pin to common negative.  
: maintained at 117 volts for voltage readings.  
tolerance on component values makes possible a variation of  
voltage and resistance readings.  
control at maximum, no signal applied for voltage measure-

**ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT**

To set pointer, turn tuning capacitor fully closed and set pointer, parallel with base of dial.

Use battery power, if possible. If AC power is used, use an isolation transformer when available. If not, connect a .1MFD capacitor in series with low side of the signal generator and B-.

Loop should be maintained in same relative position to chassis as when receiver is in cabinet.

Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

|     | DUMMY ANTENNA | SIGNAL GENERATOR COUPLING  | SIGNAL GENERATOR FREQUENCY | BAND SWITCH POS.                   | RADIO DIAL SETTING | OUTPUT METER       | ADJUST         | REMARKS   |
|-----|---------------|--|----------------------------|------------------------------------|--------------------|--------------------|----------------|---|
| 1.  | .1MFD.        | High side to pin 6, (Grid), of 1L6, (V2). Low side to B-.  | 455KC (400% Mod.)          | BC (bottom button)                 | 600KC              | Across voice coil. | A1, A2, A3, A4 | Adjust for maximum output. If AC power is used without an isolation transformer, reduce dummy antenna to 200MMF to reduce hum modulation. |
| 2.  |               | Loop   | 1600KC                     | "                                  | 1600KC             | "                  | A5             | Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.                                |
| 3.  |               | Loop   | 1400KC                     | "                                  | 1400KC             | "                  | A6, A7         | "   |
| 4.  |               | Loop   | 600KC                      | "                                  | 600KC              | "                  | A8             | Rock tuning gang while adjusting A8 for maximum output.   |
| 5.  | 3ft. of wire  | Connect high side of generator to 3ft. of wire placed approximately 1ft. from extended whip antenna. Low side not connected. | 7.8MC                      | 4-8MC (second button from bottom.) | 7.8MC              | "                  | A9, A10, A11   | Adjust for maximum output.  |
| 6.  | "             | "  | 4.2MC                      | "                                  | 4.2MC              | "                  | A12            | Rock tuning gang while adjusting A12 for maximum output. Repeat steps 5 and 6.  |
| 7.  | "             | "  | 3.9MC                      | 2-4MC (third button from bottom)   | 3.9MC              | "                  | A13, A14, A15  | Adjust for maximum output.  |
| 8.  | "             | "  | 2.1MC                      | "                                  | 2.1MC              | "                  | A16            | Rock tuning gang while adjusting A16 for maximum output. Repeat steps 7 and 8.  |
| 9.  | "             | "  | 17.8MC                     | 16M (fourth button from bottom)    | 17.8MC             | Across voice coil. | A17, A18, A19  | Rock tuning gang while adjusting each adjustment for maximum output.  |
| 10. | "             | "  | 15.2MC                     | 19M (third button from top)        | 15.2MC             | "                  | A20, A21, A22  | "   |
| 11. | "             | "  | 11.8MC                     | 25M (second button from top)       | 11.8MC             | "                  | A23, A24, A25  | "   |
| 12. | "             | "  | 9.6MC                      | 31M (top button)                   | 9.6MC              | "                  | A26, A27, A28  | "   |

## PARTS LIST AND DESCRIPTIONS TUBES (SYLVANIA or Equivalent)

| ITEM No. | USE          | REPLACEMENT DATA |                      | RTMA BASE TYPE | INSTALLATION NOTES |
|----------|--------------|------------------|----------------------|----------------|--------------------|
|          |              | ZENITH PART No.  | STANDARD REPLACEMENT |                |                    |
| V1       | RF Amplifier | 1U4              | 1U4                  | 6AR            |                    |
| V2       | IF Amplifier | 1U6              | 1U6                  | 6AR            |                    |
| V3       | IF Amplifier | 1U4              | 1U4                  | 6BW            |                    |
| V4A      | Det.-AVC-AF  | 1U5              | 1U5                  | 6AU            |                    |
| B        | Det.-AVC-AF  | 1S5              | 1S5                  | 6BX            |                    |
| V5       | Power Output | 3V4              | 3V4                  |                |                    |

### CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

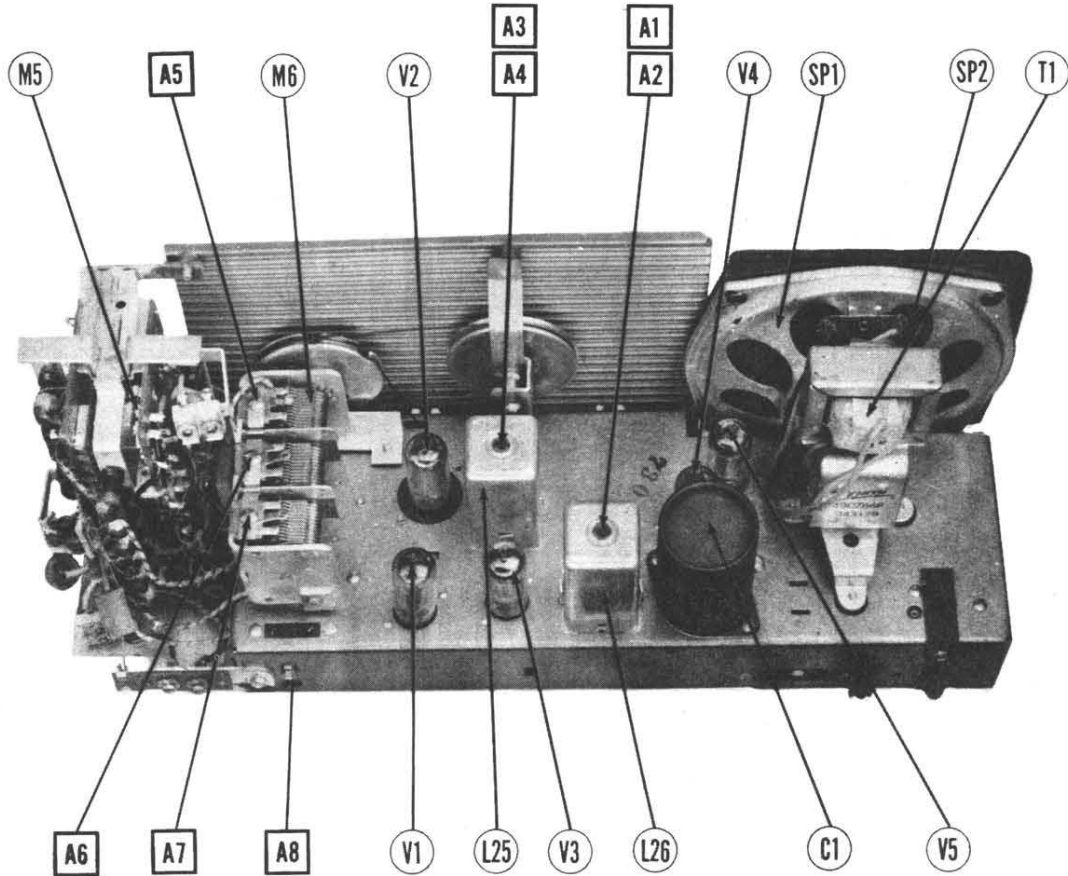
| ITEM No. | RATING CAP. VOLT | REPLACEMENT DATA |                  |                    |                  | IDENTIFICATION CODES AND INSTALLATION NOTES |
|----------|------------------|------------------|------------------|--------------------|------------------|---|
|          |                  | ZENITH PART No.  | AEROVOX PART No. | CENTRALAB PART No. | SPRAGUE PART No. |   |
| C1A      | 60               | 22-1741          | AF14-23          | UP64215-X20        | RI075            | Filter                                      |
| B        | 40               |                  |                  |                    |                  | Filter                                      |
| C        | 20               |                  |                  |                    |                  | Filter                                      |
| D        | 150              |                  |                  |                    |                  | Decoupling                                  |
| C2       | 16               |                  |                  |                    |                  | Decoupling                                  |
| C3       | 470              | 22-1390          | PR150/16         | BR1615             | TVA-1409         | File. Filter                                |
| C4       | 15               |                  |                  |                    |                  | Decoupling                                  |
| C5       | 50               | 22-1761          | SI15             | 5W575              | IFM-35           | RF Coupling                                 |
| C6       | 25               | 22-1392          | SI25             | 5W5Q5              | 5GA-Q15          | RF Coupling                                 |
| C7       | 270              | 22-2058          | SI25             | 5W5Q25             | 5GA-Q5           | RF Coupling                                 |
| C8       | 0.1              | 22-1764          | 1468-0003        | D8-271             | GP2K-271         | RF Coupling                                 |
| C9       | 0.047            | 22-1778          | 1468-0001        | D8-103             | MS-33            | AVC Filter                                  |
| C10      | 270              | 22-2058          | 1468-0003        | DF-503             | GP2-333-103      | AVC Filter                                  |
| C11      | 1000             | 22-3             | BPD-01           | DF-503             | 2TM-S1           | AVC Filter                                  |
| C12      | 0.001            | 22-2127          | P688-01          | DD-103             | 2TM-S47          | RF Coupling                                 |
| C13      | 1000             | 22-1886          | P688-001         | D8-102             | 5HK-D1           | RF Coupling                                 |
| C14      | 1                | 22-1777          | SI1000           | DF-104             | 5HK-D1           | RF Coupling                                 |
| C15      | 10000            | 22-3             | BPD-01           | DD-103             | 2TM-P1           | RF Coupling                                 |
| C16      | 250              | 22-2126          |                  |                    | 5HK-S1           | Conv. Screen                                |
| C17      | 2.2              | 22-1763          | SI2-2NP0         | TCZ-2.2            | N750-333-251     | Osc. Grid Cap.                              |
| C18      | 470              | 22-1390          | 1468-0005        | D8-471             | NP0K-2R2         | Osc. Coupling                               |
| C19      | 3000             | 22-2281          | 1467-003         | D8-302             | IFM-23           | Osc. Feedback                               |
| C20      | 2750             | 22-1433          |                  |                    | GP2-333-302      | Fixed Padder                                |
| C21      | 10               | 22-1953          | SI10             | D8-100             | 5GA-Q1           | Fixed Padder                                |
| C22      | 120              | 22-2279          |                  |                    | GP2K-121         | Fixed Padder                                |
| C23      | 120              | 22-2280          | SI120            | TCZ-120            | 5GA-T12          | Fixed Padder                                |
| C24      | 120              | 22-2279          |                  |                    | NP0-333-121      | Fixed Padder                                |
| C25      | 0.047            | 22-1775          |                  |                    | 4TM-S47          | RF Bypass                                   |
| C26      | 4000             | 22-4             | P488-047         | DF-503             | 4TM-S1           | Ant. Isolation                              |
| C27      | 0.1              | 22-1764          | BPD-004          | DD-402             | 4TM-S2           | AVC Filter                                  |
| C28      | 0.022            | 22-2071          | P488-01          | DF-103             | 2TM-S2           | AVC Filter                                  |
| C29      | 0.0047           | 22-1763          | P488-022         | DF-203             | 6TM-D47          | IF Amp. Decoupling                          |
| C30      | 0.001            | 22-2127          | P488-001         | D8-472             | 6TM-D1           | Tone Comp.                                  |
| C31      | 0.022            | 22-2071          | P488-022         | DF-102             | 2TM-S2           | Tone Comp.                                  |
| C32      | 0.022            | 22-2071          | P488-022         | DF-203             | 2TM-S2           | Tone Comp.                                  |
| C33      | 10000            | 22-3             | BPD-01           | DD-103             | 5HK-S1           | Audio Coupling                              |
| C34      | 0.022            | 22-2072          | P488-022         | DF-203             | 4TM-S22          | AF Amp. Screen                              |
| C35      | 50               | 22-1674          | SI50             | D8-500             | 5GA-Q5           | AF Amp. Plate                               |
| C36      | 10000            | 22-3             | BPD-01           | DD-103             | 5HK-S1           | Audio Coupling                              |
| C37      | 0.1              | 22-1779          | P688-01          | D8-103             | 6TM-S1           | Output Plate                                |
| C38      | 0.047            | 22-1844          | P688-047         | DF-503             | 6TM-S47          | Line Filter                                 |
| C39      | 0.047            | 22-1775          | P488-047         | DF-503             | 4TM-S47          | Line Isolation                              |

† Some models use 12MFD. in this application. (Part # 22-2056)

### CONTROLS

| ITEM No. | RATING RESIST-ANCE WATTS | REPLACEMENT DATA |              |                    | INSTALLATION NOTES             |
|----------|--------------------------|------------------|--------------|--------------------|--------------------------------|
|          |                          | ZENITH PART No.  | IRC PART No. | CENTRALAB PART No. |                                |
| RIA      | 1Meg                     | 63-2276          | Q11-137      | AN-69              | Volume Control                 |
| B        | Shaft                    | Not req.         | KSS-3        | AK-4               | Attach to RIA per instructions |
| C        | Switch                   | Not req.         | 76-2         | K-167              | Attach to RIA per instructions |

## CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

| ITEM No. | RATING    |         | REPLACEMENT DATA |              | IDENTIFICATION CODES              |
|----------|-----------|---------|------------------|--------------|-----------------------------------|
|          | IMPEDANCE | DC RES. | ZENITH PART No.  | IRC PART No. |                                   |
| R2       | 4.7Ω      |         | 63-1581          |              | Parasitic Suppressor - Wire Wound |
| R3       | 220Ω      |         | 63-1758          |              | Parasitic Suppressor              |
| R4       | 10Ω       |         | 63-1701          |              | Parasitic Suppressor - See Note 1 |
| R5       | 22KΩ      |         | 63-1842          | BTS-22K      | RF Coil Shunt                     |
| R6       | 2200Ω     |         | 63-1800          | BTS-2200     | Antenna Isolation                 |
| R7       | 1Meg      |         | 63-1812          | BTS-1Meg     | RF Amp. Grid                      |
| R8       | 15KΩ      |         | 63-1835          | BTS-15K      | RF Amp. Plate                     |
| R9       | 100KΩ     |         | 63-1889          | BTS-100K     | Osc. Grid - See Note 2            |
| R10      | 68KΩ      |         | 63-1883          | BTS-68K      | Osc. Anode                        |
| R11      | 3300Ω     |         | 63-1807          | BTS-3300     | Voltage Divider                   |
| R12      | 100Ω      |         | 63-1743          | BTS-100      | Flament String                    |
| R13      | 1Meg      |         | 63-1912          | BTS-1Meg     | AVC Network                       |
| R14      | 5.6Meg    |         | 63-1943          | BTS-5.6Meg   | AVC Network                       |
| R15      | 150Ω      |         | 63-1750          | BTS-150      | AVC Network                       |
| R16      | 10Meg     |         | 63-1954          | BTS-10Meg    | AVC Network                       |
| R17      | 2.2Meg    |         | 63-1926          | BTS-2.2Meg   | AVC Network                       |
| R18      | 120Ω      |         | 63-1747          | BTS-120      | Flament String                    |
| R19      | 2.2Meg    |         | 63-1926          | BTS-2.2Meg   | AVC Network                       |
| R20      | 1000Ω     |         | 63-1785          | BTS-1000     | IF Amp. Decoupling                |
| R21      | 1Meg      |         | 63-1912          | BTS-1Meg     | Detector Diode Load               |
| R22      | 15Meg     |         | 63-1961          | BTS-15Meg    | AF Amp. Grid                      |
| R23      | 4.7Meg    |         | 63-1940          | BTS-4.7Meg   | AF Amp. Screen                    |
| R24      | 1Meg      |         | 63-1912          | BTS-1Meg     | AF Amp. Plate                     |
| R25      | 270Ω      |         | 63-1761          | BTS-270      | Flament String                    |
| R26      | 1Meg      |         | 63-1912          | BTS-1Meg     | Output Grid                       |
| R27      | 10Meg     |         | 63-1954          | BTS-10Meg    | AVC Network                       |
| R28      | 4.7Meg    |         | 63-1940          | BTS-4.7Meg   | AVC Network                       |
| R29      | 1500KΩ    |         | 63-1792          | BTS-1500     | Tone Compensation                 |
| R30      | 100KΩ     |         | 63-1869          | BTS-100K     | Tone Compensation                 |
| R31      | 18KΩ      |         | 63-1838          | BTS-18K      | Tone Compensation                 |
| R32      | 27KΩ      |         | 63-1845          | BTS-27K      | Tone Compensation                 |
| R33      | 330KΩ     |         | 63-1845          | BTS-330K     | Isolation                         |
| R34      | 560Ω      |         | 63-1891          | BTS-560      | Filter                            |
| R35A     | 950Ω      |         |                  |              | Flament Dropping - Wire Wound     |
| R36      | 130Ω      |         | 63-1362          |              | Filter - Wire Wound               |
| R37      | 100Ω      |         | 63-1744          |              | Surge Limiter - Wire Wound        |
|          |           |         |                  |              | Flament String                    |

Note 1 Not used in all models.

Note 2 Some models use 180KΩ resistor in this application.

PARTS LIST AND DESCRIPTIONS (Continued)

R F COILS

| ITEM No. | USE               | DC RES.   |      | REPLACEMENT DATA |       |
|----------|-------------------|-----------|------|------------------|-------|
|          |                   | PRI.      | SEC. | ZENITH PART No.  |       |
| L1       | Loop Ant.         |           | .9Ω  | S-17747          | BC    |
| L2       | Ant. Loading Coil | 1.9Ω      |      | S-16047          |       |
| L3       | RF Coil           | 7.5Ω      | 3.7Ω | S-17710          | BC    |
| L4       | RF Choke          | .3Ω       |      | S-14403          |       |
| L5A      | Osc. Coil         | .8Ω       | .1Ω  | S-17709          | BC    |
| L6       | B                 | Osc. Coil | 3.6Ω | S-17709          |       |
|          |                   | RF Choke  | 3.4Ω | S-1952           |       |
| L7       | Ant. Coil         | .1Ω       |      | S-17721          | 31M   |
| L8       | Ant. Coil         | 0Ω        |      | S-17720          | 25M   |
| L9       | Ant. Coil         | 0Ω        |      | S-17719          | 19M   |
| L10      | Ant. Coil         | .1Ω       |      | S-17718          | 16M   |
| L11      | Ant. Coil         | .6Ω       |      | S-17724          | 2-4MC |
| L12      | Ant. Coil         | 0Ω        |      | S-17725          | 4-8MC |
| L13      | RF Coil           | 0Ω        |      | S-17717          | 31M   |
| L14      | RF Coil           | 0Ω        |      | S-17716          | 25M   |
| L15      | RF Coil           | 0Ω        |      | S-17715          | 19M   |
| L16      | RF Coil           | 0Ω        |      | S-17714          | 16M   |
| L17      | RF Coil           | .7Ω       |      | S-17722          | 2-4MC |
| L18      | Osc. Coil         | 0Ω        |      | S-17723          | 4-8MC |
| L19      | Osc. Coil         | .1Ω       |      | S-17729          | 31M   |
| L20      | Osc. Coil         | .1Ω       |      | S-17728          | 25M   |
| L21      | Osc. Coil         | 0Ω        |      | S-17727          | 19M   |
| L22      | Osc. Coil         | 0Ω        |      | S-17726          | 16M   |
| L23      | Osc. Coil         | .4Ω       | .8Ω  | S-17731          | 2-4MC |
| L24      | Osc. Coil         | .1Ω       | 28Ω  | S-17730          | 4-8MC |
| L25      | Input IF          | 28Ω       |      | 95-1148          |       |
| L26      | Output IF         | 27Ω       |      | 95-1149          |       |

SELENIUM RECTIFIER

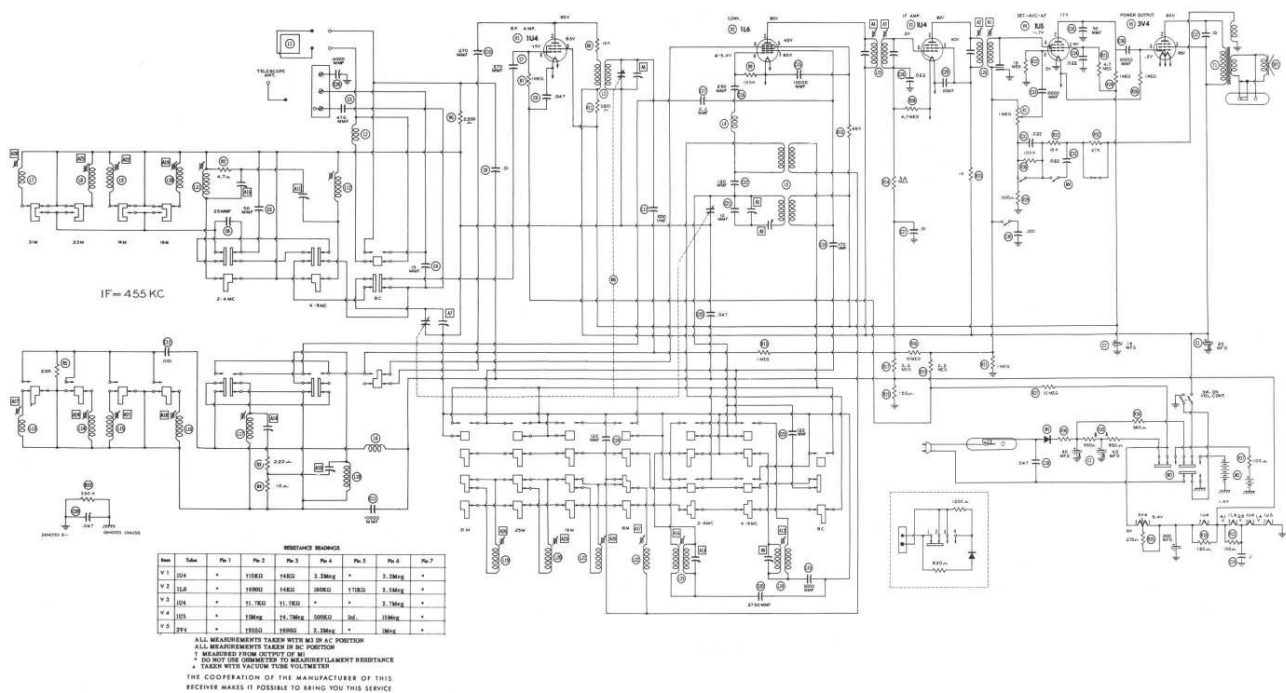
| ITEM No. | RATING        | REPLACEMENT DATA |                   | NOTES |
|----------|---------------|------------------|-------------------|-------|
|          |               | ZENITH PART No.  | SELETRON PART No. |       |
| M1       | CURRENT .067A | 212-5            | NB-5              | 5M4   |

BATTERIES

| ITEM No. | VOLTAGE        | ZENITH PART No. | REPLACEMENT DATA  |                     |  | INSTALLATION NOTES |
|----------|----------------|-----------------|-------------------|---------------------|--|--------------------|
|          |                |                 | EVEREADY          | BURGESS             |  |                    |
| M2       | 9V "A" 90V "B" | Z885            | "A" "B" "A,B" 752 | "A" "B" "A,B" G8B80 |  |                    |

MISCELLANEOUS

| ITEM No. | PART NAME           | ZENITH PART No. | NOTES                          |
|----------|---------------------|-----------------|--------------------------------|
| M3       | Switch              | 85-450          | Power Change over              |
| M4       | Switch              | 85-503          | Tone Band                      |
| M5       | Switch              | 85-502          | 20-476MMF-20-476MMF            |
| M6       | Tuning Cap          | 22-2286         |                                |
| M7       | Telescope Ant.      |                 |                                |
| A9, A13  | Trimmer             | 22-2283         | Dual 2-4MC Osc. and 4-8MC Osc. |
| A10, A14 | Trimmer             | 22-2284         | Dual 2-4MC RF and 4-8MC RF     |
| A8       | Padder              | 22-2282         | BC Osc. Padder                 |
| A11, A15 | Trimmer             | 22-2285         | Dual 2-4MC Ant. and 4-8MC Ant. |
|          | Dial Scale          | 26-457          |                                |
|          | Dial Pointer        | 59-257          |                                |
|          | Voltage Adapter As. | S-15715         | Complete                       |
|          | Knob                | 46-913          | Tuning and Volume              |
|          | Knob                | 46-912          | Band Switch                    |



1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of  $\pm 10\%$  in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.