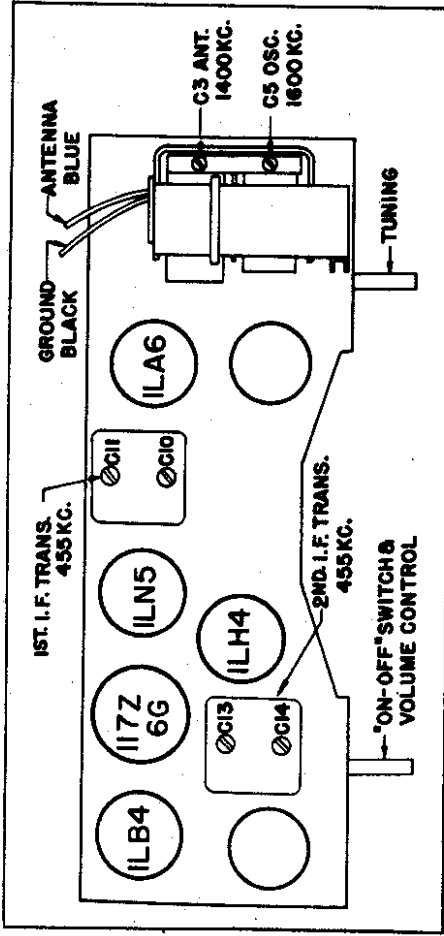
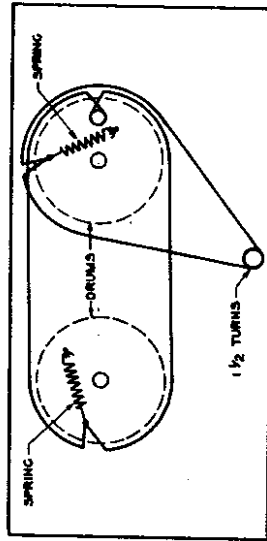


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TUBE TRIMMER LOCATION



DIAL CABLE DRAWING

The alignment of chassis 5G036 is conventional. None of the adjustment interlock, however, the most accurate alignment will be accomplished if the procedure is followed exactly. The IF frequency is 455 KC and all measurements, voltage, and resistance have been taken with an electronic volt ohm meter.

Stage by stage measurements are for reference purposes only. Gain measurements can seldom be duplicated, and are used only for comparison purposes.

ALIGNMENT PROCEDURE

| OPERATION | CONNECT OSCILLATOR TO | DUMMY ANTENNA | INPUT SIG. FREQUENCY | SET DIAL AT | TRIMMERS              | PURPOSE                 |
|-----------|-----------------------|---------------|----------------------|-------------|-----------------------|-------------------------|
| 1         | Converter Grid        | .5 Mfd.       | 455 Kc.              | 600 Kc.     | C10, C11, C13 and C14 | Align I.F.              |
| 2         | Antenna and Ground    | 200 Mmfd.     | 1600 Kc.             | 1600 Kc.    | C5                    | Set Oscillator to scale |
| 3         | Antenna and Ground    | 200 Mmfd.     | 1400 Kc.             | 1400 Kc.    | C3                    | Align Antenna           |

PARTS LIST

| PART NO. | REF. NO. | DESCRIPTION   | PART NO. | REF. NO. | DESCRIPTION  |
|----------|----------|---|----------|----------|--|
| 83-271   | R8       | 1 MEGOHM.....1/4 WATT   | 83-329   |          | DIAL ASSEMBLY  |
| 83-439   | R14      | 2700 OHM.....1/4 WATT   | 46-443   |          | RADIORON KNOB - VOICE.....                               |
| 83-557   | R6       | 4700 OHM.....1/4 WATT   | 46-444   |          | RADIORON KNOB - TREBLE.....                              |
| 83-584   | R5       | 68M OHM.....1/4 WATT  | 46-445   |          | RADIORON KNOB - ALTO.....                                |
| 83-600   | R9       | 2.2 MEGOHM.....1/4 WATT   | 46-448   |          | RADIORON KNOB - BASS.....                                |
| 83-627   | R15      | 180 OHM.....1/4 WATT  | 46-520   |          | VOLUME & TUNING CONTROL<br>KNOB (USE S-11558).....       |
| 83-646   | R2       | 33M OHM.....1/4 WATT  | 58-122   |          | ON-OFF INDICATOR.....                                    |
| 83-654   | R1       | 180M OHM.....1/4 WATT   | 58-122   |          | DIAL POINTER.....  |
| 83-676   | R7       | 15 MEGOHM.....1/4 WATT  | 58-150   |          | TUNING CONTROL SHAFT.....                                |
| 83-1098  | R10      | 33 OHM W.W. INSUL. 1/2 WATT   | 78-335   |          | INDICATOR SPRING.....                                    |
| 83-1238  | R4       | VOLUME CONTROL & SWITCH...  | 80-183   |          | DIAL COIL TENSION SPRING.....                            |
| 83-1239  | R12      | CANDORIN (OR 63-1485).....  | 80-208   |          | TUNING SHAFT SPRING.....                                 |
| 83-1368  | R11      | 140 OHM W.W. (USED ONLY)  | 93-471   |          | BROOK FELY WASHES.....                                   |
| 83-1558  | R9       | PHEN. USING 63-1485) 2 WATT   | 93-690   |          | CINCH PLUG BUTTER #49281.....                            |
|          |          | 82D OHM W.W. INSUL. 1 WATT  | 189-50   |          | BLACK OXIDIZE.....                                       |
|          |          |   | 188-32   |          | RETAINING RING (78-335).....                             |
|          |          |   | 188-34   |          | RETAINING RING (8-11362).....                            |
|          |          |   | 192-80   |          | DIAL CRYSTAL.....  |
|          |          |   | 196-64   |          | DIAL CRYSTAL GASKET.....                                 |
| 11-88    |          | LINE CORD & PLUG.....   | 5-928A   |          | INDICATOR CAM ASSEMBLY.....                              |
| 15-87    |          | BATTERY CABLE PLUG CAP.....   | 5-9810   |          | DIAL COIL & EYELET ASSEM.<br>PLY (POINTER).....          |
| 49-323   | 3P1      | 8 1/2" P.M. SPEAKER.....  | 5-9733   |          | DIAL COIL & EYELET ASSEM.<br>PLY (GAIN CONDENSER).....   |
|          |          |   | 5-9751   |          | PULLY & RIVET ASSEMBLY.....                              |
| 52-190   |          | 208-523 OUTPUT TRANSFORMER  | 5-11382  |          | PULLY & BUSHING ASSEMBLY<br>(POINTER).....               |
| 54-34    |          | 208-523 CORE & VOICE COIL,<br>SPEAKER CABLE & PLUG.....   | 5-11558  |          | DECORATIVE RING & CONTROL<br>KNOB ASSEMBLY (2 USED)..... |
| 57-17A   |          | #6-32 X 1/4" X 3/32" HEX<br>NUT - STEEL N.P.  | 5-11660  |          | DIAL PLATE & INDICATOR<br>ASSEMBLY.....                  |
| 57-11C   |          | ANTENNA LEAD MARKER.....  |          |          |  |
| 57-11G   |          | GROUND LEAD MARKER.....   |          |          |  |
| 57-1159  |          | RADIORON ESCUTCHEON.....  |          |          |  |
| 70-124   |          | #2 X 3/8" PHILLIPS HD. WOOD<br>SCREW-BRASS PLATED<br>(57-1159).....   |          |          |  |
| 78-229   |          | ELECTROLYTIC CONDENSER<br>SOCKET.....   |          |          |  |
| 78-348   |          | BATTERY CABLE SOCKET.....   |          |          |  |
| 78-401   |          | LOREAL BASE TUBE SOCKET<br>(OR 78-398-728).....   |          |          |  |
| 78-456   |          | LOREAL BASE TUBE SOCKET<br>(7 CONTACT).....   |          |          |  |
| 78-611   |          | OCTAL BASE TUBE SOCKET<br>(6 CONTACT).....  |          |          |  |
| 85-254   | 53       | POWER CHARGE OVER SWITCH.....   |          |          |  |
| 85-294   | 51       | RADIORON SWITCH (VOICE &<br>ALTO) (LEFT).....   |          |          |  |
| 85-298   | 52       | RADIORON SWITCH (TREBLE &<br>BASS) (RIGHT).....   |          |          |  |
| 93-125   |          | #6 INTERNAL SPRINGPROOF<br>LOCKWASHER.....  |          |          |  |
| 93-256   |          | BROWN FELT WASHERS (KNOBS)<br>RADIORON SWITCH MOUNTING<br>BUSHING (4 USED).....   |          |          |  |
| 94-295   |          | #6 X 1/4" HEX HD. SELF<br>TAPPING SCREW.....  |          |          |  |
| 112-56   |          | #6-32 X 7/16" HEX ACORN<br>NUT, NICH. SCREW-STEEL N.P.<br>#8 X 7/8" HEX ACORN WASHER<br>SELF TAPPING SCREW<br>(CHASSIS MFG.)..... |          |          |  |
| 114-67   |          | RUBBER GROMMETS.....  |          |          |  |
| 114-162  |          | INSTRUCTION BOOK.....   |          |          |  |
| 185-17   |          |   |          |          |  |
| 202-385  |          |   |          |          |  |

COILS & CHOICES

|         |    |                               |
|---------|----|-------------------------------|
| 85-816  | T1 | 1st I.F. TRANSFORMER.....     |
| 85-817  | T2 | 2nd I.F. TRANSFORMER.....     |
| 5-11860 | L1 | ANTENNA COIL ASSEMBLY.....    |
| 5-12505 | L2 | OSCILLATOR COIL ASSEMBLY..... |

CONDENSERS

|         |         |   |
|---------|---------|---|
| 22-182  | C8      | .0001 MFD. ....600 V.                                   |
| 22-182  | C17     | .00035 MFD. ....600 V.                                  |
| 22-196  | C16     | .01 MFD. ....600 V.                                     |
| 22-503  | C23     | 5 MFD. ....600 V.                                       |
| 22-448  | C20     | .004 MFD. ....600 V.                                    |
| 22-470  | C15     | .00015 MFD. ....600 V.                                  |
| 22-482  | C18     | .002 MFD. ....600 V.                                    |
| 22-827  | C7      | .1 MFD. ....200 V.                                      |
| 22-828  | C4      | .05 MFD. ....200 V.                                     |
| 22-887  | C19     | .001 MFD. ....600 V.                                    |
| 22-1017 | C12     | .05 MFD. ....480 V.                                     |
| 22-1028 | C21-C22 | 20 MFD. X 40 MFD. DRY<br>ELECTROLYTIC.....150 V.        |
| 22-1027 | C8-C9   | 20 MFD. 25 V. X 20 MFD.<br>150 V. DRY ELECTROLYTIC..... |
| 22-1183 | C2      | .01 MFD. ....400 V.                                     |
| 22-1216 | C1      | TWO SECTION VARIABLE.....                               |