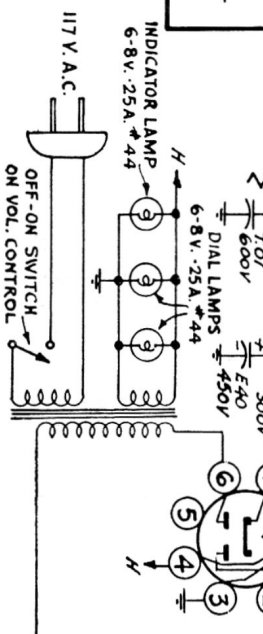


ALL VOLTAGES $\pm 10\%$ MEASURED TO CHASSIS WITH 20,000 OHM / VOLT METER, 117 V. LINE. RADIO: PHONO SWITCH SHOWN IN PHONO POSITION

VIKING 51-110



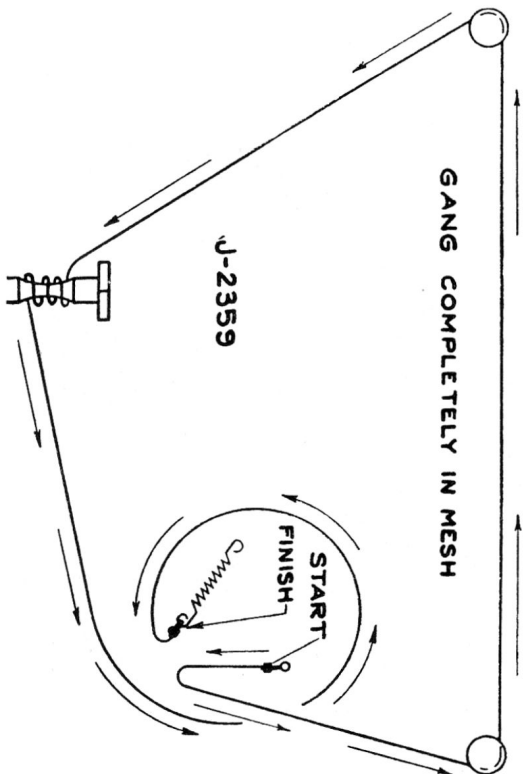
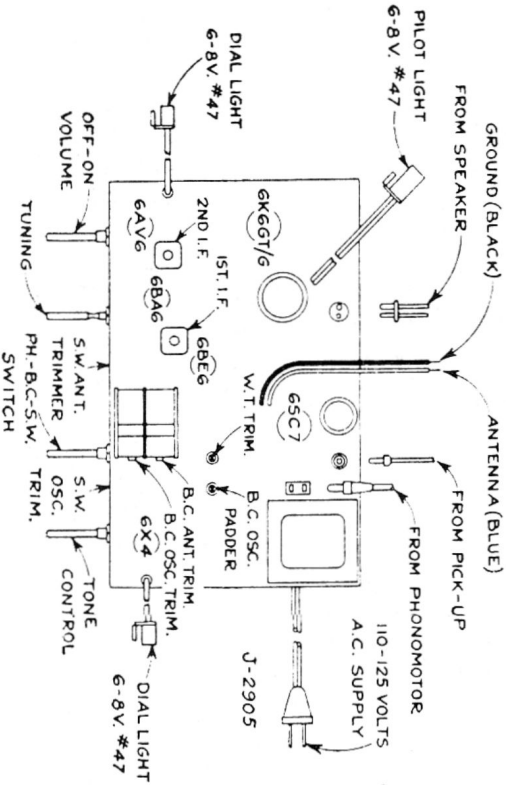
| ALIGNMENT AND SENSITIVITY | | | | | |
|--|--------------|-------------------|-------------|--|---|
| SIGNAL GENERATOR MODULATED 30% AT 400 C.P.S. | | THRU SERIES DUMMY | SET GANG AT | ADJUST FOR MAX. OUTPUT FOR 500 MILLIWATTS OUTPUT | NOMINAL SENSITIVITY FOR 500 MILLIWATTS OUTPUT |
| APPLY SIGNAL AT K.C. | TO | | | | |
| 455 | 6B8A6 #1 PIN | .05 μ f | | 2ND. I.F. | 3000 MICROVOLTS |
| 455 | 6B8E6 #7 PIN | .05 μ f | | 1ST. I.F. | 100 |
| 455 | ANT. | 200 μ f | OPEN | WAVE TRAP MAIN OUTPUT | |
| 1460 | ANT. | 200 μ f | | 2ND GANG TRIMMERS | 20 |
| 600 | ANT. | 200 μ f | | B.C. OSC. PADDER | 20 |
| 16 MC. | ANT. | 400 Ω | | 5W. OSC. ANT. TRIM. | 40 |
| 13 MC. | ANT. | 400 Ω | 10 MC. | CHECK 8WAT | 40 |

COMPONENT VALUES

RESISTORS: HALF WATT UNLESS OTHERWISE NOTED.
 20% TOLERANCE UNLESS OTHERWISE NOTED.
 K = 1000 OHMS.

M = 1,000,000 OHMS.

CONDENSERS: T = TUBULAR, FOLLOWED BY CAP IN MFD. AND D.C. W.V.
 E = ELECTROLYTIC, FOLLOWED BY CAP IN MFD. & D.C. W.V.
 C = CERAMIC, FOLLOWED BY CAP IN MFD. & TOL. IF CRITICAL.
 M = MICA, FOLLOWED BY CAP IN MFD. & TOL. IF CRITICAL.



SPECIFICATIONS

- Standard Broadcast Range 540 Kc. - 1650 Kc.
- Short Wave Range 9.0 Mc. - 18.0 Mc.
- Intermediate Frequency 455 Kc.
- Power Consumption (Radio Only) 48 Watts
- Power Consumption (Radio & Phono) 65 Watts
- Undistorted Output 3.0 Watts
- Maximum Power Output 4.5 Watts

