

VIKING 51-107

ALL VOLTAGES ±10% MEASURED TO CHASSIS WITH
20,000 OHM VOLT METER, 117 V. LINE.
RADIO-PHONO SWITCH SHOWN IN RADIO POSITION.

PHONO MOTOR RECEPTACLE

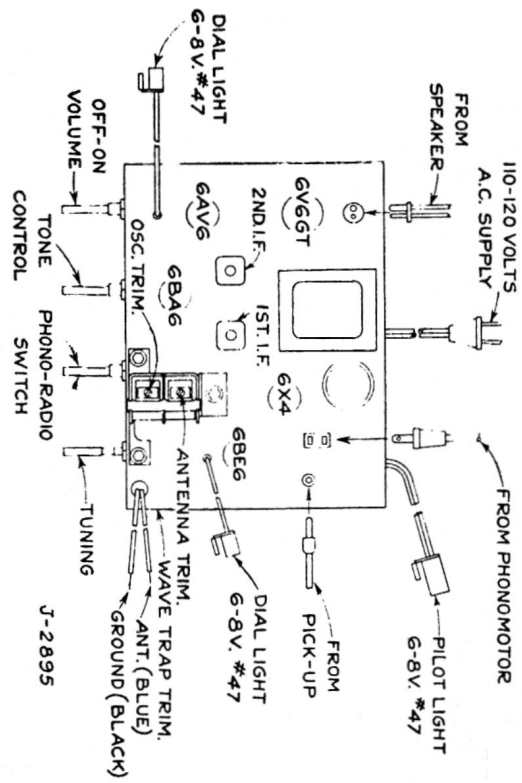
OFF-ON SWITCH
110-120V. A.C. SUPPLY

SPEAKER PLUG & SOCKET
P.M. SPEAKER

ALIGNMENT AND SENSITIVITY					
SIGNAL GENERATOR MODULATED 30% AT 400 CY.					
STEP	APPLY SIGNAL	THRU SERIES	SET GANG	ADJUST FOR	NOMINAL SENSITIVITY
ATK.:	TO	DUMMY	AT	MAX. OUTPUT	FOR 200 MILLIWATTS OUTPUT.
1	455	6B4G #1 PIN	.05 μ D	2ND I.F. CORES	2200 μ V
2	455	6BE6 #7 PIN	.05 μ D	1ST & 2ND I.F.	50 μ V
3	1460	ANT. LEAD	200 μ D	OSC. TRIM. ANT. TRIM.	15 μ V
4	600	ANT. LEAD	600 Kc	CHECK POINT	10 μ V
5	455	ANT. LEAD	200 μ D	HAUF TRAP TRIM. FOR MIN. OUTPUT	3000 μ V

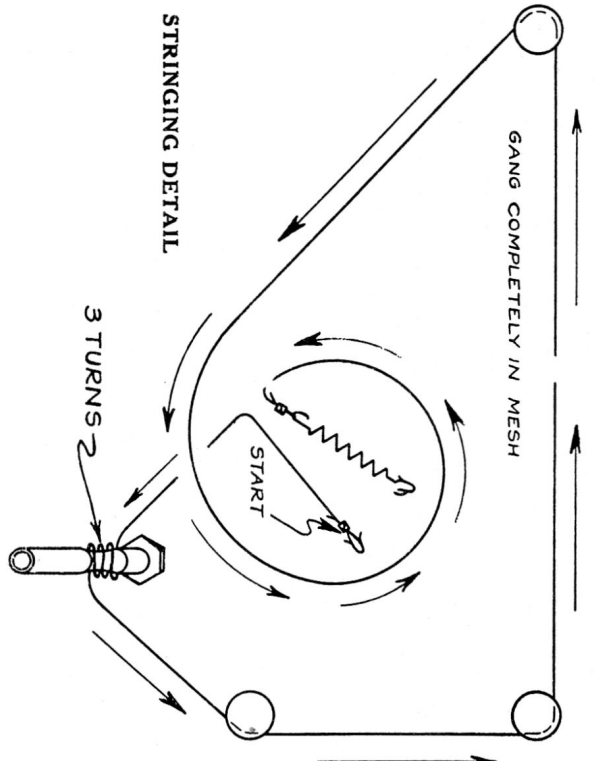
COMPONENT VALUES

RESISTORS: HALF WATT UNLESS OTHERWISE SPECIFIED.
 20% TOLERANCE UNLESS OTHERWISE SPECIFIED.
 K = 1000. OHMS.
 M = 1000,000. OHMS.
 CONDENSERS: T = TUBULAR, FOLLOWED BY CAP. IN MFD. AND D.C.W.V.
 E = ELECTROLYTIC FOLLOWED BY CAP. IN MFD. AND D.C.W.V.
 C = CERAMIC, FOLLOWED BY CAP. IN MMFD. & TOL. IF CRITICAL.
 M = MICA, FOLLOWED BY CAP. IN MMFD. AND TOL. IF CRITICAL.



CALIBRATIONS ON DIAL BACKING PLATE
 START → .55 MC. ← .6 MC. ← .95 MC. ← 1.46 MC.

CHASSIS LAYOUT CHART



SPECIFICATIONS

- Standard Broadcast Range 535 Kc — 1650 Kc
- Intermediate Frequency 455 Kc.
- Power Consumption (Radio Only) 45 Watts
- Power Consumption (Radio and Phono) 60 Watts
- Undistorted Output 6 Watts
- Maximum Power Output 3.5 Watts

