

VIKING 54-20

ALL VOLTAGES MEASURED TO 'B' NEG. WITH A V.T.V.M.
 * SWITCH IN A.C. POSITION.
 * SWITCH IN BATTERY POSITION.
 SELECTOR SWITCH SWO. IN VIEWED FROM FRONT IN A.C./D.C.
 (COUNTER-CLOCKWISE) POSITION.

CHANGE
 WAS C-47 7-47 DELETED & CAPACITY WINDING ADDED

J-3346

COMPONENT VALUES

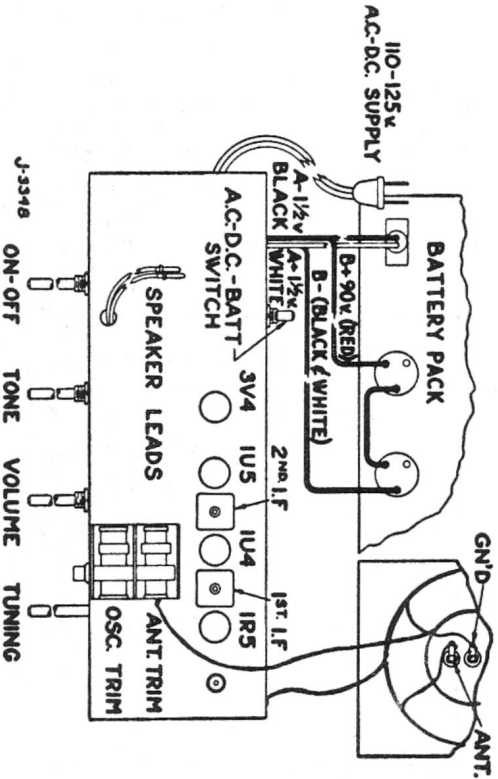
RESISTORS: HALF WATT UNLESS OTHERWISE NOTED.
20% TOLERANCE UNLESS OTHERWISE NOTED.
K = 1000 OHMS.

M = 1000,000 OHMS.
E = ELECTROLYTIC, FOLLOWED BY CAP IN MFD AND DC IN V.
C = CERAMIC, FOLLOWED BY CAP IN MMFD. μ FD. IF CRITICAL.
M = MICR, FOLLOWED BY CAP IN MMFD. μ FD. IF CRITICAL.

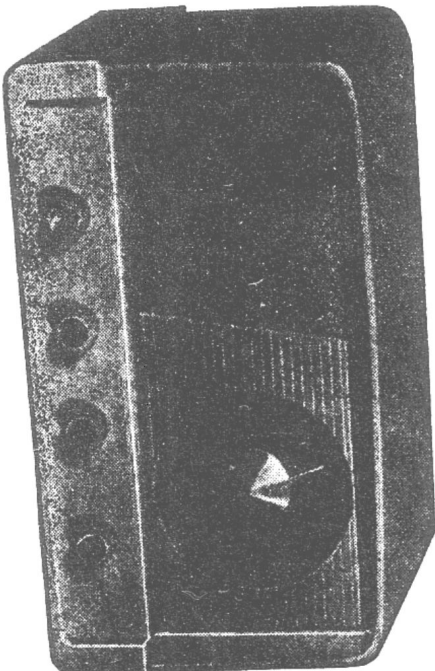
ALIGNMENT AND SENSITIVITY

SIGNAL GENERATOR MODULATED 30% AT 400 CY.

STEP	APPLY SIGNAL AT KC.	THRU SERIES TO DUMPT	SET GANG AT	ADJUST FOR MAX OUTPUT	NOMINAL SENSITIVITY FOR 50 MILLIWATTS OUTPUT.
1	455	1U4 #6PIN	.05 μ fd MINIMUM CAPACITY	2ND I.F. 3000 μ v	
2	455	1R5 #6PIN	.05 μ fd MINIMUM CAPACITY	1ST I.F. 2ND I.F.	150 μ v
3	1730	ANT.	200 μ fd MAXIMUM CAPACITY	OSC. TRIM.	
4	1460	ANT.	200 μ fd MAXIMUM OUTPUT	ANT. TRIM.	30 μ v
5	535	ANT.	200 μ fd MAXIMUM CAPACITY	CHECK ONLY	30 μ v



CHASSIS LAYOUT CHART



SPECIFICATIONS

Tuning Range 540 Kc. 1650 Kc.
Intermediate Frequency 455 Kc.

BATTERY OPERATION

Undistorted Output 170 mw.
Maximum Power Output 220 mw.
"A" Battery 1.5 Volts—Average Drain 210 ma.
"B" Battery 90 Volts—Average Drain 11.5 ma.

110-120 V. A.C.-D.C. OPERATION

Undistorted Output 170 mw.
Maximum Power Output 230 mw.
Power Consumption 10 Watts

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