

# VIKING 53-05 VIKING 54-05R

ALL VOLTAGES  $\pm 10\%$  MEASURED TO CHASSIS WITH  
20,000 OHM/VOLT METER AND BAND SWITCH  
IN BROADCAST POSITION.

### COMPONENT VALUES

RESISTORS: HALF WATT, UNLESS OTHERWISE NOTED.  
 20% TOLERANCE, UNLESS OTHERWISE NOTED.  
 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 & D.C.W.V.  
 C = CERAMIC, FOLLOWED BY CAP IN MFD & TOL. IF CRITICAL.  
 M = MICA, FOLLOWED BY CAP IN MFD & TOL. IF CRITICAL.

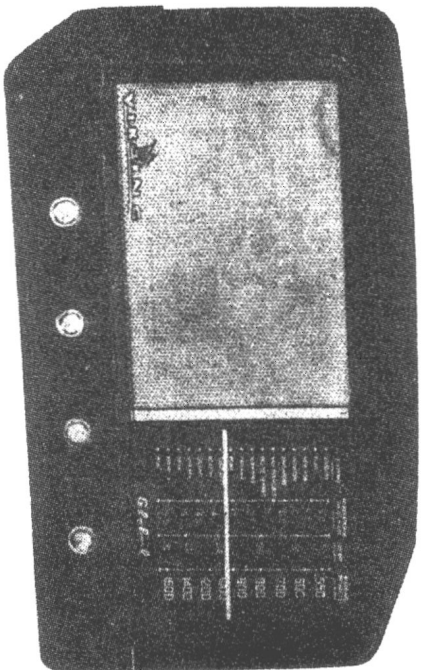
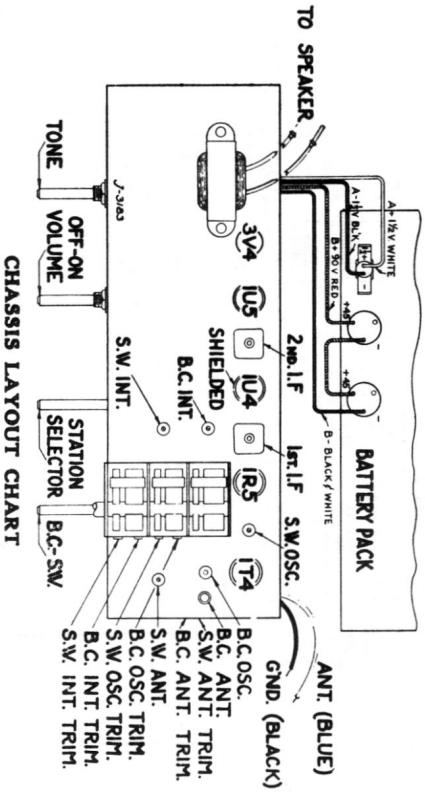
### ALIGNMENT AND SENSITIVITY

SIGNAL GENERATOR MODULATED 30% AT 400 CY.

STEP	APPLY SIGNAL AT KC.	THRU SERIES TO DUMMY	SET GANG AT	ADJUST FOR MAX. OUTPUT	NOMINAL SENSITIVITY FOR 50 MILLIWATTS OUTPUT
1	455	104 1/8 PIN	.05 $\mu$ f/d.	2nd. I.F.	4000 $\mu$ V
2	455	1R5 1/6 PIN	.05 $\mu$ f/d.	1ST. I.F. SLUGS	150
3	1400	ANT.	300 $\mu$ f/d. 1400 KC.	OSC. INT. f ANT. TRIM.	2
4	600	ANT.	200 $\mu$ f/d. 600 KC.	CHECK	4
5	15 MC.	ANT.	400 $\mu$ L	OSC. INT. f ANT. TRIM.	15
6	95 MC.	ANT.	400 $\mu$ L	CHECK	20

### SPECIFICATIONS

Standard Broadcast Range ..... 535 Kc. - 1650 Kc.  
 Short Wave Range ..... 9 Mc. - 15.5 Mc.  
 Intermediate Frequency ..... 455 Kc.  
 Undistorted Output ..... 100 mW.  
 Maximum Output ..... 250 mW.  
 "A" Battery — 1.5 Volts Average Drain..... 300 ma.  
 "B" Battery — 90 Volts Average Drain..... 15 ma.



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