

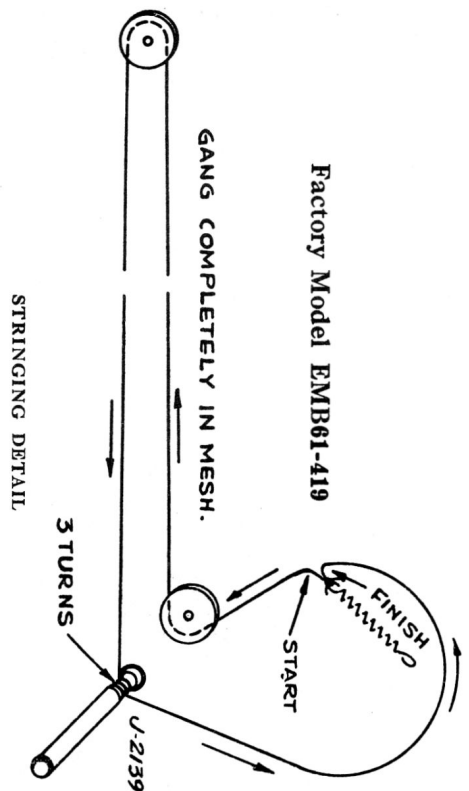
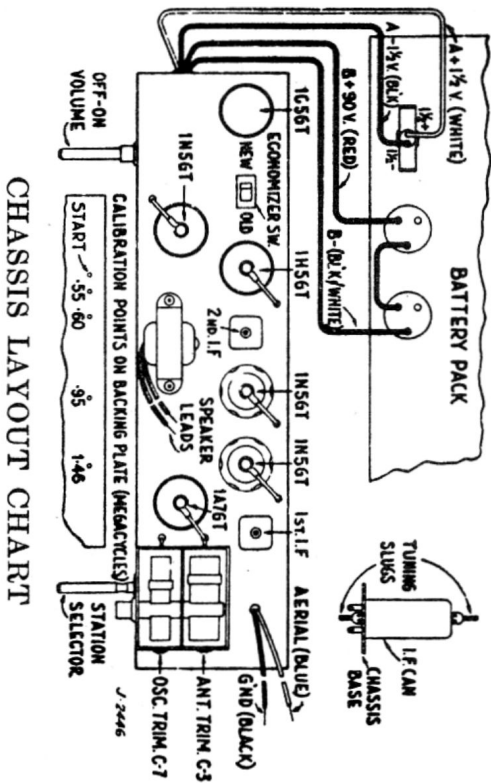


RESISTORS		
R1	150,000-Ω	1/2 W. ±20%
R2	47,000	1/2 W. ±20%
R3	1 MEGOHM	1/2 W. ±20%
R4	15,000-Ω	1/4 W. ±20%
R5	22,000-Ω	1/2 W. ±20%
R6	2.2 MEGOHMS	1/2 W. ±20%
R7	47,000-Ω	1/2 W. ±20%
R8	1 MEGOHM VOLUME CONTROL	1/2 W. ±20%
R9	10 MEGOHMS	1/2 W. ±20%
R10	1 MEGOHM	1/2 W. ±20%
R11	.59-Ω	1/4 W. ±10%
R12	270,000-Ω	1/2 W. ±10%
R13	1 MEGOHM	1/2 W. ±20%
R14	510-Ω	1/2 W. ±5%

CONDENSERS		
C1	.05	400 V. TUBULAR
C2	GANG	CONDENSER (ANT. SECTION)
C3	ANT. TRIMMER	(ON GANG)
C4	250 M.M.F.	±20% MICA
C5	.05 M.F.	400 V. TUBULAR
C6	GANG	CONDENSER (OSCILLATOR SECTION)
C7	OSCILLATOR TRIMMER	(ON GANG)
C8	110 M.M.F.	DUAL MICA
C9	110 M.M.F.	DUAL MICA
C10	.05	400 V. TUBULAR
C11	50 M.M.F.	±20% MICA
C12	110 M.M.F.	DUAL MICA
C13	110 M.M.F.	DUAL MICA
C14	250 M.M.F.	±20% MICA
C15	.01 M.F.	400 V. TUBULAR
C16	4 M.F.	150 V. TUBULAR ELECTROLYTIC
C17	.1 M.F.	200 V. TUBULAR
C18	250 M.M.F.	±20% MICA
C19	.01 M.F.	400 V. TUBULAR
C20	.005 M.F.	600 V. TUBULAR

### ECONOMIZER SWITCH

An economizer switch has been built into this receiver to extend the apparent life of the "A Battery" portion of the Battery pack. It is intended to be used in the "new battery position" until such time as the filament voltage drops to a reading of 1.3 volts. If a voltmeter is not readily available the switch should be left in the new battery position until reception is definitely below standard or for approximately 200 hours of operation at which time it should be placed in the "old battery position." Should this procedure not be followed there will be a decided reduction in "A Battery" useable hours.



AVERAGE SENSITIVITY FOR 50 MILLIWATTS OUTPUT, SIGNAL MODULATED 30% AT 400 C.P.S.			
SIGNAL APPLIED TO	SERIES DUMMY	455 KC.	600 KC. 1460 KC.
ANTENNA	200 M.M.F.	WITH GANG OPEN	1G 1G
1A7-GT/G GRID CAP	.05 M.F.	60	100 100
1ST IN5-GT/G GRID CAP	.05 M.F.	1300	
2ND IN5-GT/G GRID CAP	.05 M.F.	6000	

### SPECIFICATIONS

TUNING RANGE	535 Kc. - 1650 Kc.
INTERMEDIATE FREQUENCY	455 Kc.
UNDISTORTED POWER OUTPUT	100 mw.
MAXIMUM POWER OUTPUT	210 mw.
"A" Battery Drain 34 Amps.	"B" Battery Drain 12.8 ma.

# VIKING 49-07

(Chassis EMB61-419)