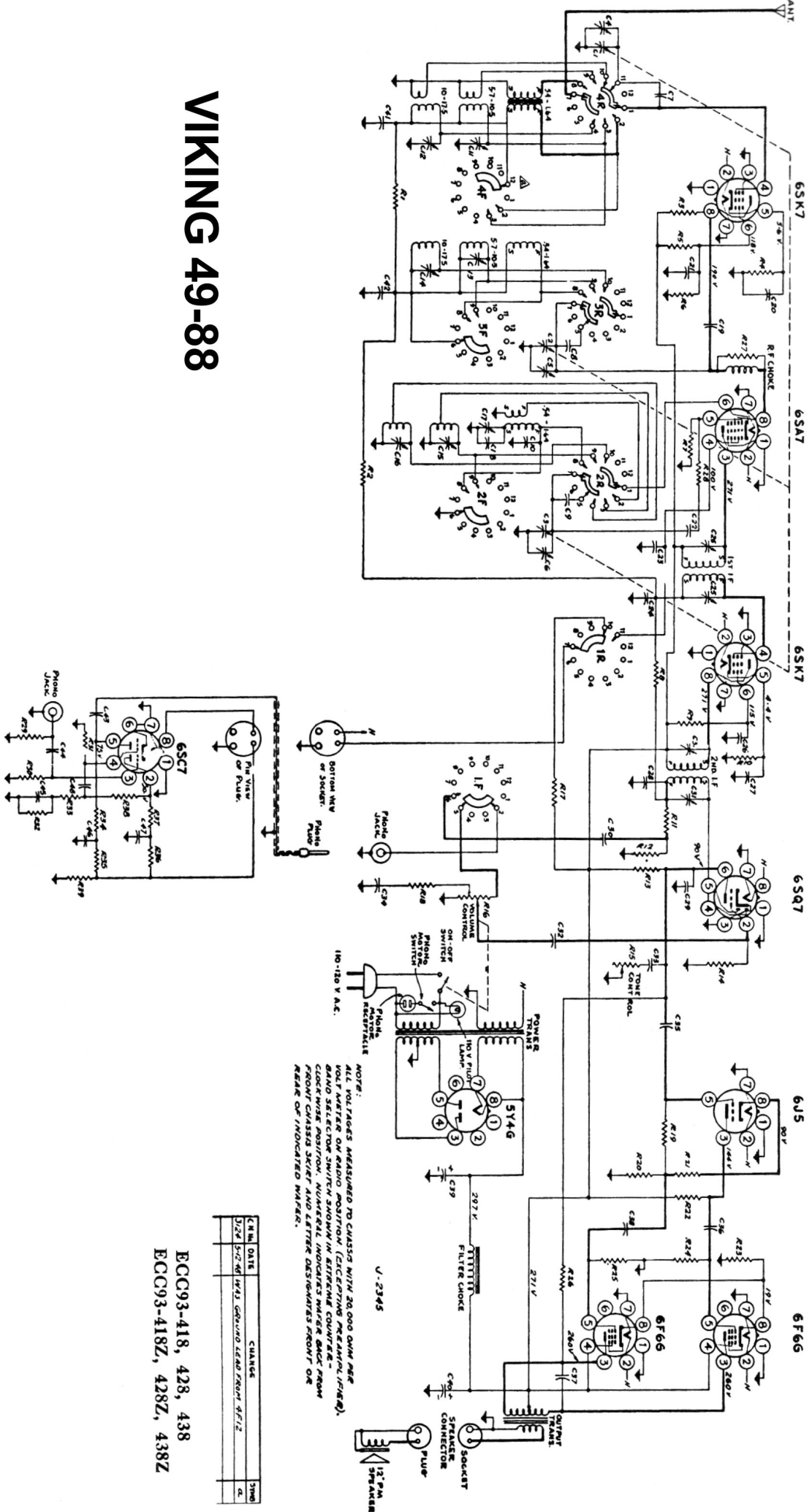


VIKING 49-88



NOTE:
 ALL VOLTAGES MEASURED TO CHASSIS WITH 20,000 OHM PER VOLT METER ON RADIO POSITION. (EXCEPTING RESISTOR VALUES).
 BAND SELECTOR SWITCH SHOWN IN EXTREME COUNTERCLOCKWISE FROM FRONT CHASSIS VIEW AND LETTER DESIGNATES FRONT OR REAR OF INDICATED WAFER.

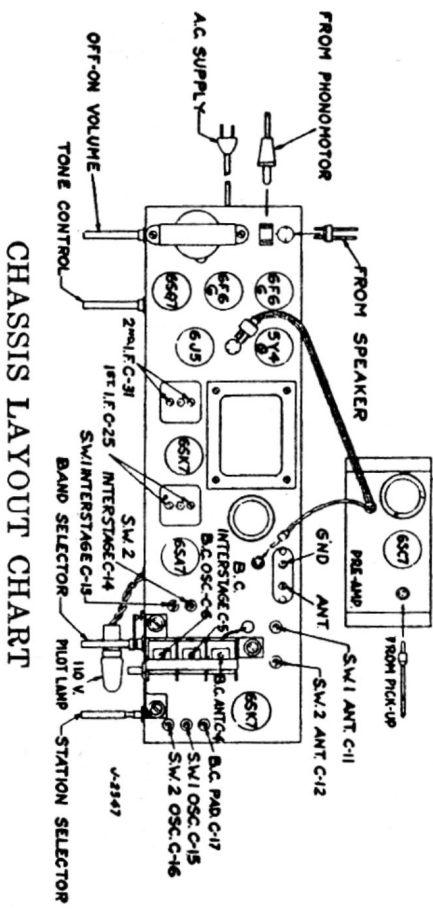
U-2345

CHAS. DATE	CHASSIS
3/22 P-2746	WAS GROUND LEAD FROM R.F. IZ
	AL

ECC93-418, 428, 438
 ECC93-418Z, 428Z, 438Z

CONDENSERS		CONDENSERS	
No	CONDENSERS	No	CONDENSERS
C1	ANT SECTION GANGED CONDENSER	C36	.01 μ F 600V TUBULAR
C2	R.F. SECTION "	C37	.001 μ F 600V TUBULAR
C3	C.S.C. SECTION "	C38	.01 μ F 600V TUBULAR
C4	B.C. ANT TRIMMER (ON GANG)	C39	40 μ F 450V } DUAL ELECTRIC
C5	B.C. R.F. TRIMMER "	C40	20 μ F 450V }
C6	B.C. OSC TRIMMER "	C41	.01 μ F 400V TUBULAR
C7	270 μ F CERAMIC \pm 1% 500V	C42	.01 μ F 400V TUBULAR
C8	270 μ F " " \pm 1% 500V	C43	.02 μ F 600V TUBULAR
C9	230 μ F " " \pm 1% 500V	C44	.05 μ F 200V TUBULAR
C10	10 μ F " " \pm 1% 500V	C45	.01 μ F 600V TUBULAR
C11	4.40 μ F 5W ANT. TRIMMER	C46	15 μ F 150V ELECTROLYTIC
C12	4.40 μ F 5W ANT. " "	C47	15 μ F 150V ELECTROLYTIC
C13	4.40 μ F 5W R.F. " "	C48	.05 μ F 200V TUBULAR
C14	4.40 μ F 5W R.F. " "		
C15	4.40 μ F 5W OSC. " "		
C16	4.40 μ F 5W OSC. " "		
C17	10.225 μ F B.C. PADDER		
C18	230 μ F CERAMIC \pm 1% 500V		
C19	10 μ F \pm 10% 500V MICA		
C20	.05 μ F 400V TUBULAR		
C21	.05 μ F 600V TUBULAR		
C22	50 μ F \pm 20% 500V MICA		
C23	.05 μ F 600V TUBULAR		
C24	.01 μ F 400V TUBULAR		
C25	60.220 μ F DUAL I.F. TRIMMER		
C26	.05 μ F 600V TUBULAR		
C27	.05 μ F 400V TUBULAR		
C28	260 μ F \pm 20% 500V MICA		
C29	260 μ F \pm 20% 500V MICA		
C30	.005 μ F 600V TUBULAR		
C31	60.220 μ F DUAL I.F. TRIMMER		
C32	.01 μ F 600V TUBULAR		
C33	.01 μ F 600V TUBULAR		
C34	.002 μ F 600V TUBULAR		
C35	.01 μ F 600V TUBULAR		

RESISTORS		RESISTORS	
No	RESISTORS	No	RESISTORS
R1	1 MEGOHM \pm 20% $\frac{1}{4}$ W	R14	4.7 MEGOHM \pm 20% $\frac{1}{4}$ W
R2	1 MEGOHM \pm 20% $\frac{1}{4}$ W	R15	150,000 Ω CONTROL
R3	10,000 Ω \pm 20% $\frac{1}{4}$ W	R16	2 MEGOHM CONTROL TAPPED AT 1M
R4	680 Ω \pm 10% $\frac{1}{4}$ W	R17	18,000 Ω \pm 10% $\frac{1}{4}$ W
R5	18,000 Ω \pm 10% $\frac{1}{4}$ W	R18	270,000 Ω \pm 10% $\frac{1}{4}$ W
R6	27,000 Ω \pm 10% $\frac{1}{4}$ W	R19	330,000 Ω \pm 20% $\frac{1}{4}$ W
R7	22,000 Ω \pm 20% $\frac{1}{4}$ W	R20	150,000 Ω \pm 10% $\frac{1}{4}$ W
R8	1 MEGOHM \pm 20% $\frac{1}{4}$ W	R21	2,200 Ω \pm 20% $\frac{1}{4}$ W
R9	47,000 Ω \pm 20% $\frac{1}{2}$ W	R22	150,000 Ω \pm 10% $\frac{1}{4}$ W
R10	390 Ω \pm 10% $\frac{1}{2}$ W	R23	240 Ω \pm 5% $\frac{1}{4}$ W
R11	47,000 Ω \pm 20% $\frac{1}{4}$ W	R24	220,000 Ω \pm 20% $\frac{1}{4}$ W
R12	390,000 Ω \pm 10% $\frac{1}{4}$ W	R25	220,000 Ω \pm 20% $\frac{1}{4}$ W
R13	220,000 Ω \pm 20% $\frac{1}{4}$ W	R26	1 MEGOHM \pm 20% $\frac{1}{2}$ W
		R27	56 Ω \pm 10% $\frac{1}{4}$ W CARBON
		R28	56 Ω \pm 10% $\frac{1}{4}$ W CARBON
		R29	6800 Ω \pm 20% $\frac{1}{2}$ W
		R30	3.3 MEGOHM \pm 20% $\frac{1}{2}$ W
		R31	3.3 MEGOHM \pm 20% $\frac{1}{2}$ W
		R32	180,000 Ω \pm 10% $\frac{1}{2}$ W
		R33	27,000 Ω \pm 10% $\frac{1}{2}$ W
		R34	33,000 Ω \pm 20% $\frac{1}{2}$ W
		R35	33,000 Ω \pm 20% $\frac{1}{2}$ W
		R36	68,000 Ω \pm 20% $\frac{1}{2}$ W
		R37	68,000 Ω \pm 20% $\frac{1}{2}$ W
		R38	220,000 Ω \pm 20% $\frac{1}{2}$ W
		R39	15,000 Ω \pm 20% $\frac{1}{4}$ W



CHASSIS LAYOUT CHART

NOMINAL SENSITIVITY IN MICROVOLTS FOR 500 MILLIWATTS OUTPUT. CARRIER MODULATED 30% AT 400 CPS.			
SIGNAL INPUT AT	SERIES DUMMY	455 KC 1000KC	7MC 15MC
ANTENNA	200 μ F	600	1.5
ANTENNA	400 Ω	—	—
ANTENNA	.05 μ F	—	—
6.3M7 1000V 600V	.05 μ F	1/5	1/5
6.3K7 1F C-14	.05 μ F	6000	—

SPECIFICATIONS

- Standard Broadcast Range.....540 Kc. - 1640 Kc.
- Short Wave Range SW1.....5.7-11.0 Mc.
- SW2.....10.0-18.0 Mc.
- Intermediate Frequency.....455 Kc.
- Power Consumption (Radio Only).....100 Watts
- Power Consumption (Radio and Phono).....115 Watts
- Hi-Fidelity Undistorted Output.....3.5 Watts
- Maximum Power Output.....5.8 Watts

