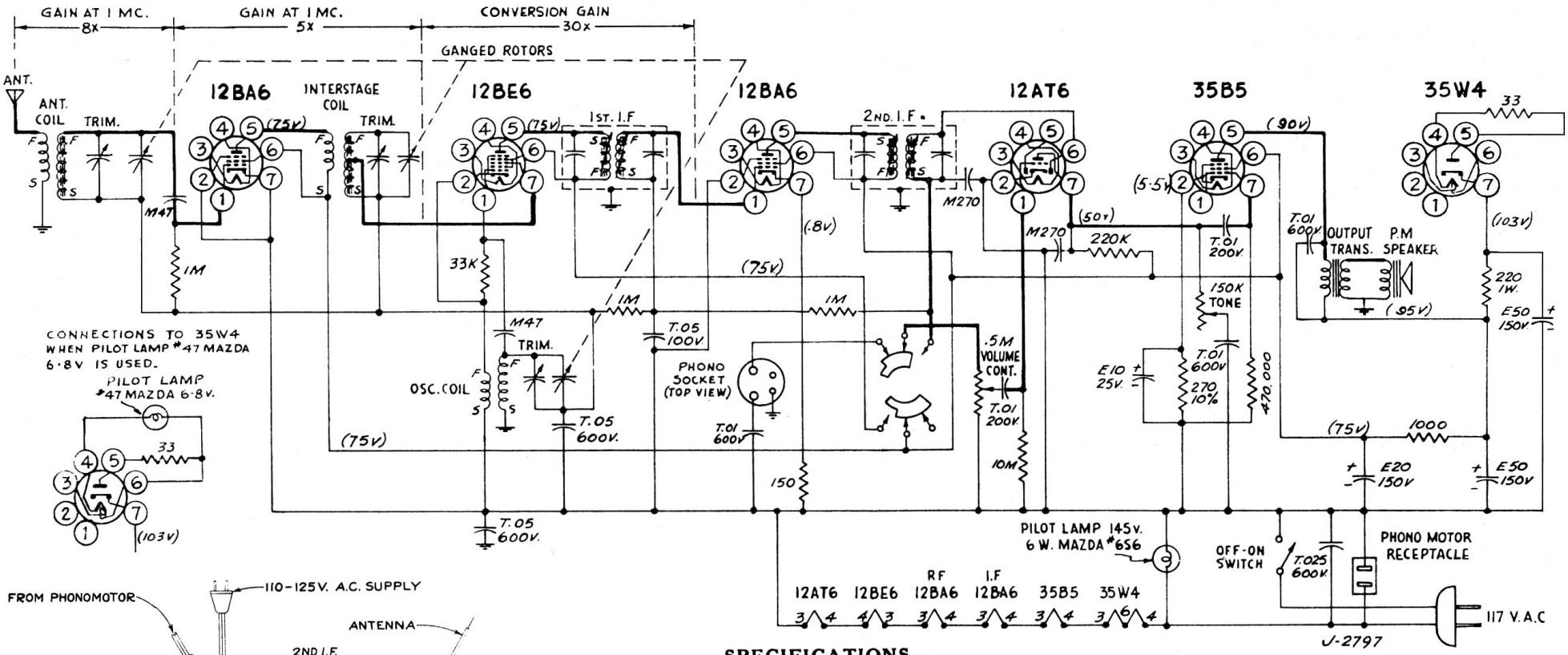
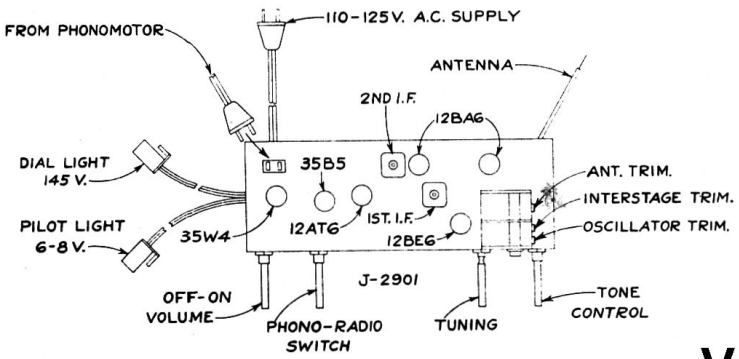




CHASSIS LAYOUT CHART

Viking 50-100

SPECIFICATIONS

Standard Broadcast Range	535 Kc. - 1650 Kc.
Intermediate Frequency	455 Kc.
Power Consumption (Radio Only)	30 Watts
Power Consumption (Radio and Phono)	48 Watts
Undistorted Output	600 mw.
Maximum Power Output	800 mw.

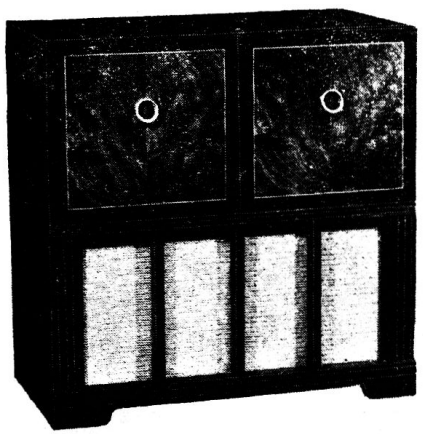
ALL VOLTAGES ± 10% MEASURED TO B- WITH 20,000 OHM/VOLT METER, 117 V. LINE. RADIO PHONO SWITCH SHOWN IN PHONO POSITION.

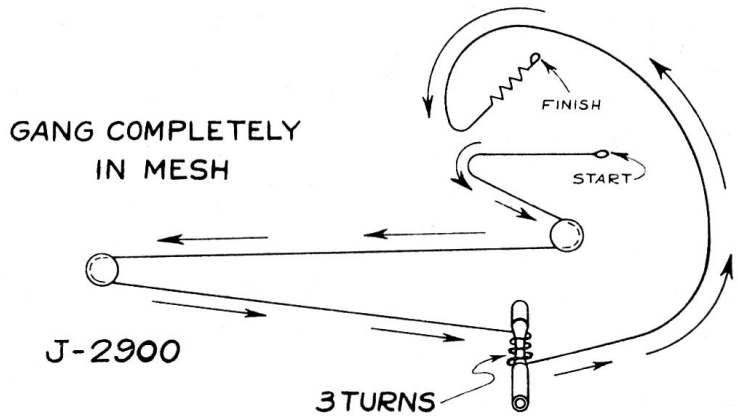
INT. FREQ. 455KC.

COMPONENT VALUES

RESISTORS: HALF WATT UNLESS OTHERWISE SPECIFIED. 20% TOLERANCE UNLESS OTHERWISE SPECIFIED. K = 1000 OHMS. M = 1,000,000 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.





STRINGING DETAIL

ALIGNMENT AND SENSITIVITY

SIGNAL GENERATOR MODULATED 30% AT 400 CY.

STEP	APPLY SIGNAL AT KC	APPLY SIGNAL TO	THRU SERIES DUMMY	SET GANG AT	ADJUST FOR MAX. OUTPUT	NOMINAL SENSITIVITY FOR 50 MILLIWATTS OUTPUT.
1	455	I.F. 12BA6 #1 PIN	.05		2ND. I.F.	5000 μv.
2	455	12BE6 #7 PIN	.05	MINIMUM CAPACITY	1ST. I.F. 2ND. I.F.	130
3	1460	R.F. 12BA6 #1 PIN.	.05	1460 KC.	OSC. & INTERSTAGE TRIMMER	30
4	1460	ANT.	200 μμfd.	1460 KC.	ANT. TRIM.	3
5	600	ANT.	200 μμfd.	600 KC.	CHECK ONLY	4