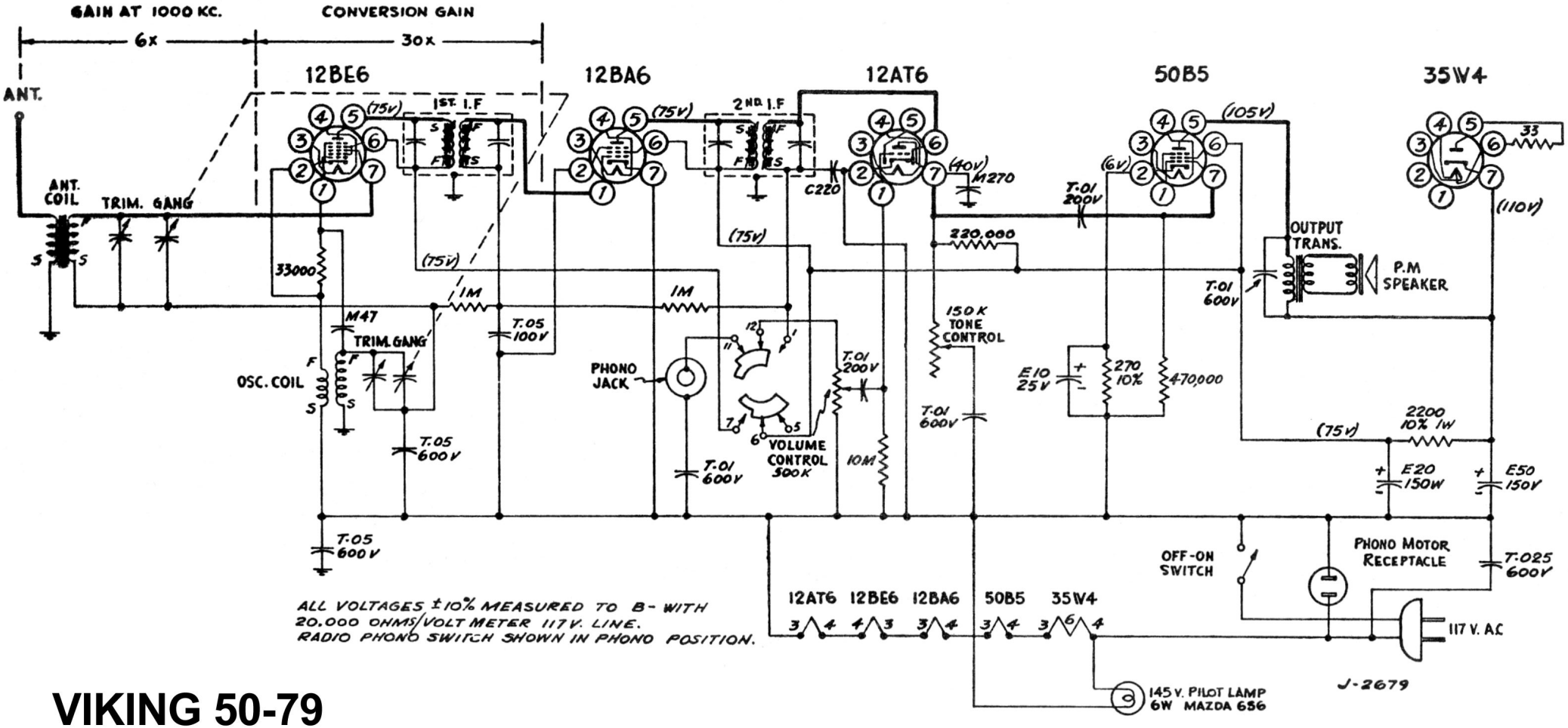

GAIN AT 1000 KC.
6x
CONVERSION GAIN
30x
12BE6
12BA6
12AT6
50B5
35W4
ANT.
ANT. COIL
TRIM. GANG
1ST. I.F
2ND. I.F
(75V)
(40V)
(105V)
(6V)
(110V)
33
C220
M270
T.01 200V
220,000
33000
1M
M47
TRIM. GANG
OSC. COIL
T.05 100V
T.05 600V
PHONO JACK
T.01 600V
VOLUME CONTROL 500K
10M
150K TONE CONTROL
E10 25V
270 10%
470,000
OUTPUT TRANS.
P.M SPEAKER
2200 10% 1W
E20 150W
E50 150V
OFF-ON SWITCH
PHONO MOTOR RECEPTACLE
T.025 600V
117 V. A.C
145 V. PILOT LAMP 6W MAZDA 656
J-2679
ALL VOLTAGES ±10% MEASURED TO B- WITH 20.000 OHMS/VOLT METER 117V. LINE.
RADIO PHONO SWITCH SHOWN IN PHONO POSITION.

VIKING 50-79

COMPONENT VALUES

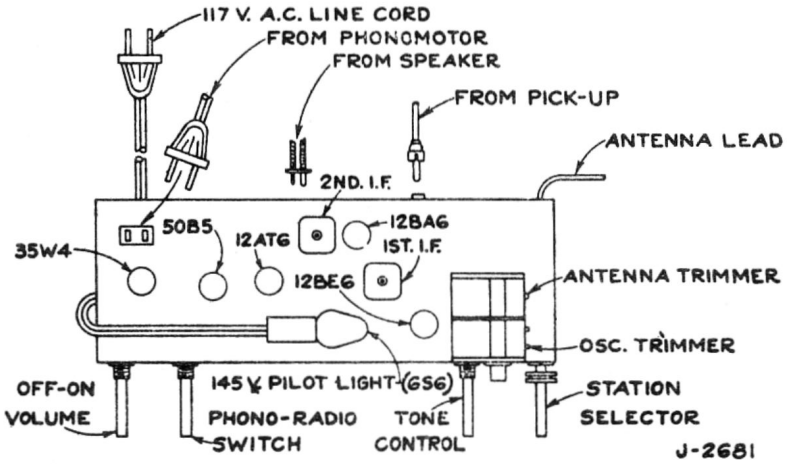
RESISTORS: HALF WATT UNLESS OTHERWISE NOTED.
20% TOLERANCE UNLESS OTHERWISE NOTED.
K = 1000 OHMS.
M = 1000,000 OHMS.

CONDENSERS: T = TUBULAR, FOLLOWED BY CAP. IN MFD. AND D.C.W.V.
E = ELECTROLYTIC, FOLLOWED BY CAP. IN MFD. AND D.C.W.V.
C = CERAMIC, FOLLOWED BY CAP. IN MMFD & TOL. IF CRITICAL.
M = MICA, FOLLOWED BY CAP. IN MMFD & TOL. IF CRITICAL.

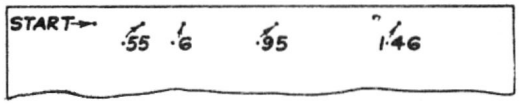
ALIGNMENT AND SENSITIVITY

SIGNAL GENERATOR MODULATED 30% AT 400 CY.

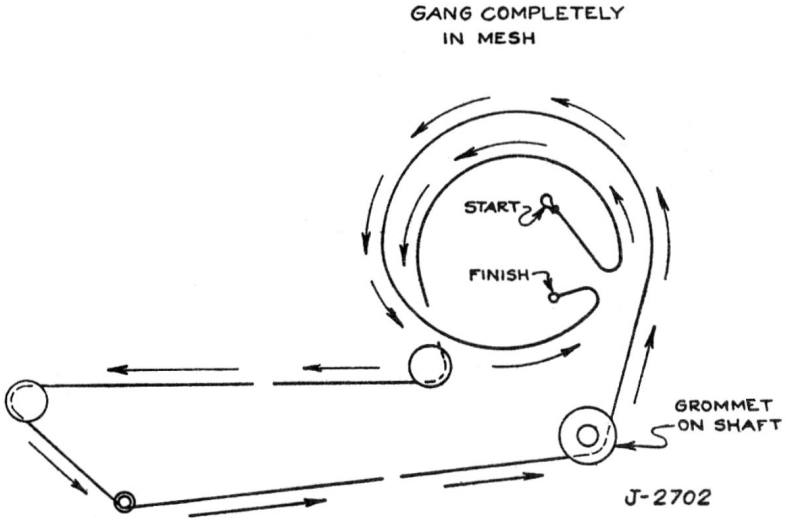
STEP	APPLY SIGNAL AT KC.	APPLY SIGNAL TO	THRU SERIES DUMMY	SET GANG AT	ADJUST FOR MAX. OUTPUT	NOMINAL SENSITIVITY FOR 50 MILLIWATTS OUTPUT
1	455	12BA6 #1 PIN	.05		2ND. I.F	4000 µv.
2	455	12BE6 #7 PIN	.05	MINIMUM CAPACITY	1ST. I.F 2ND. I.F	120
3	1460	ANT.	200 µµfd.	1460	OSC. TRIM. ANT. TRIM.	25
4	600	ANT.	200 µµfd.	600	CHECK ONLY	20



CALIBRATION POINTS ON BACKING PLATE IN MEGACYCLES



CHASSIS LAYOUT CHART



STRINGING DETAIL

SPECIFICATIONS

Standard Broadcast Range	535 Kc. - 1650 Kc.
Intermediate Frequency	455 Kc.
Power Consumption (Radio Only)	30 Watts
Power Consumption (Radio and Phono)	45 Watts
Undistorted Power Output	700 mw.
Maximum Power Output	1.0 Watts