

VIKING 51-16

NOTE: T .05 100V. IU5 Plate (Pin No. 2) By-Pass Condenser Changed to M100

J-2953

COMPONENT VALUES

RESISTORS: HALF WATT UNLESS OTHERWISE NOTED.
20% TOLERANCE UNLESS OTHERWISE NOTED.

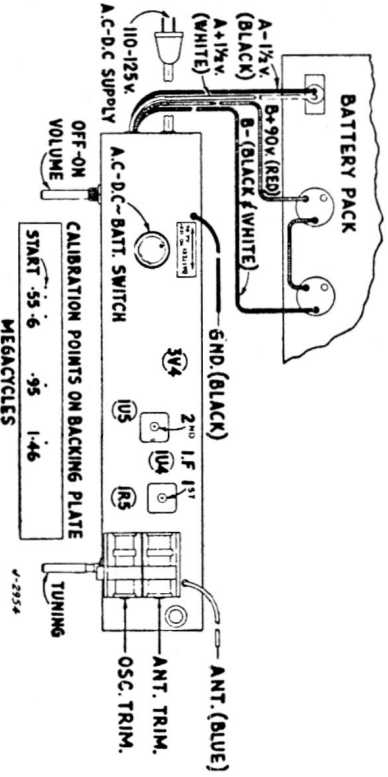
K = 1000 OHMS.
M = 1000,000 OHMS.

CONDENSERS: T-TUBULAR, FOLLOWED BY CAP IN MFD AND D.C.M.V.
E = ELECTROLYTIC, FOLLOWED BY CAP IN MFD, μ D.C.M.V.
C = CERAMIC, FOLLOWED BY CAP IN MFD, μ DC.M.V.
M = MICA, FOLLOWED BY CAP IN MFD, μ DC.M.V. CRITICAL.

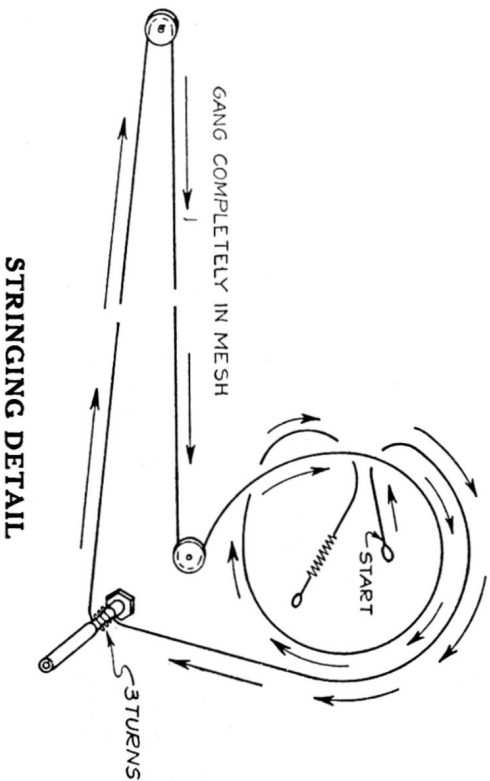
ALIGNMENT AND SENSITIVITY

SIGNAL GENERATOR MODULATED 30% AT 400 CY.

STEP	APPLY SIGNAL AT K.C.	THRU SERIES TO DUMMY	SET GANG AT	ADJUST FOR MAX OUTPUT	NOMINAL SENSITIVITY FOR 50 MILLIWATTS OUTPUT.
1	455	1U4 *6 PIN	MINIMUM CAPACITY	2ND I.F	3000 μ V
2	455	1R5 *6 PIN	MINIMUM CAPACITY	1ST I.F	150 μ V
3	1730	ANT.	200 μ fd.	OSC. TRIM.	—
4	1460	ANT.	200 μ fd.	MAXIMUM ANT. TRIM. OUTPUT	30 μ V
5	535	ANT.	200 μ fd.	CHECK ONLY	30 μ V



CHASSIS LAYOUT CHART



STRINGING DETAIL

VIKING 51-16

ALL VOLTAGES MEASURED TO B NEG. WITH A V.T.V.M.
SWITCH IN A.C. POSITION.
* SWITCH IN BATTERY POSITION.
SELECTOR SWITCH SHOWN VIEWED FROM FRONT IN A.C./D.C.
(COUNTER-CLOCKWISE) POSITION.