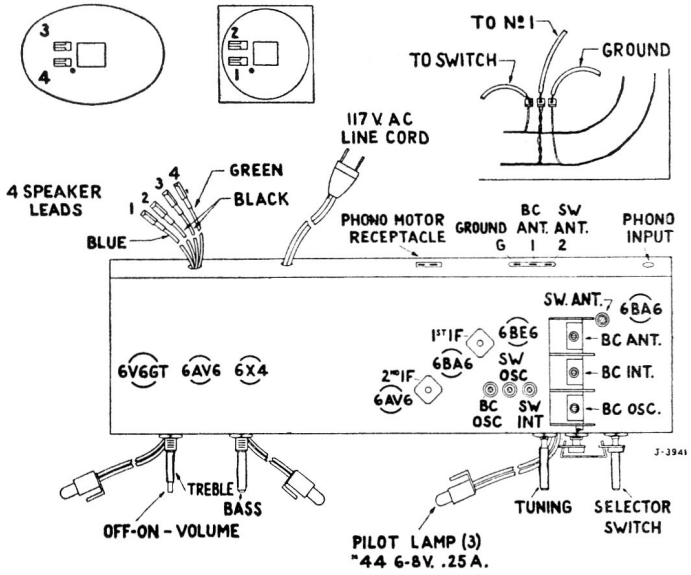
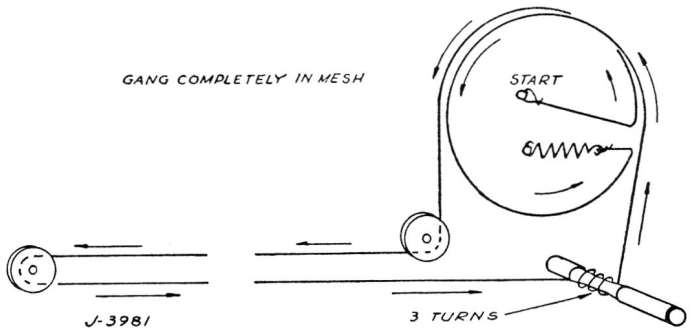
VIKING Service Information for **Model RM-278**

7 Tube, 2 Band





STRINGING DETAIL

For operation on 110 to 120 volts A.C.—Cycle as listed on license plate.

SPECIFICATIONS

Standard Broadcast Range	535 Kc — 1650 Kc
Short Wave Band	9-16 Mc.
Intermediate Frequency	**455 Kc.**
Power Consumption	50 Watts
Undistorted Output	1.5 Watts
Maximum Power Output	3.0 Watts

When writing for Service Information or Parts please quote Model Number Serial Number and finish of cabinet.

FOR ALIGNMENT AND SENSITIVITY DATA SEE SCHEMATIC

SERVICE REPLACEMENT PARTS LIST

CHASSIS

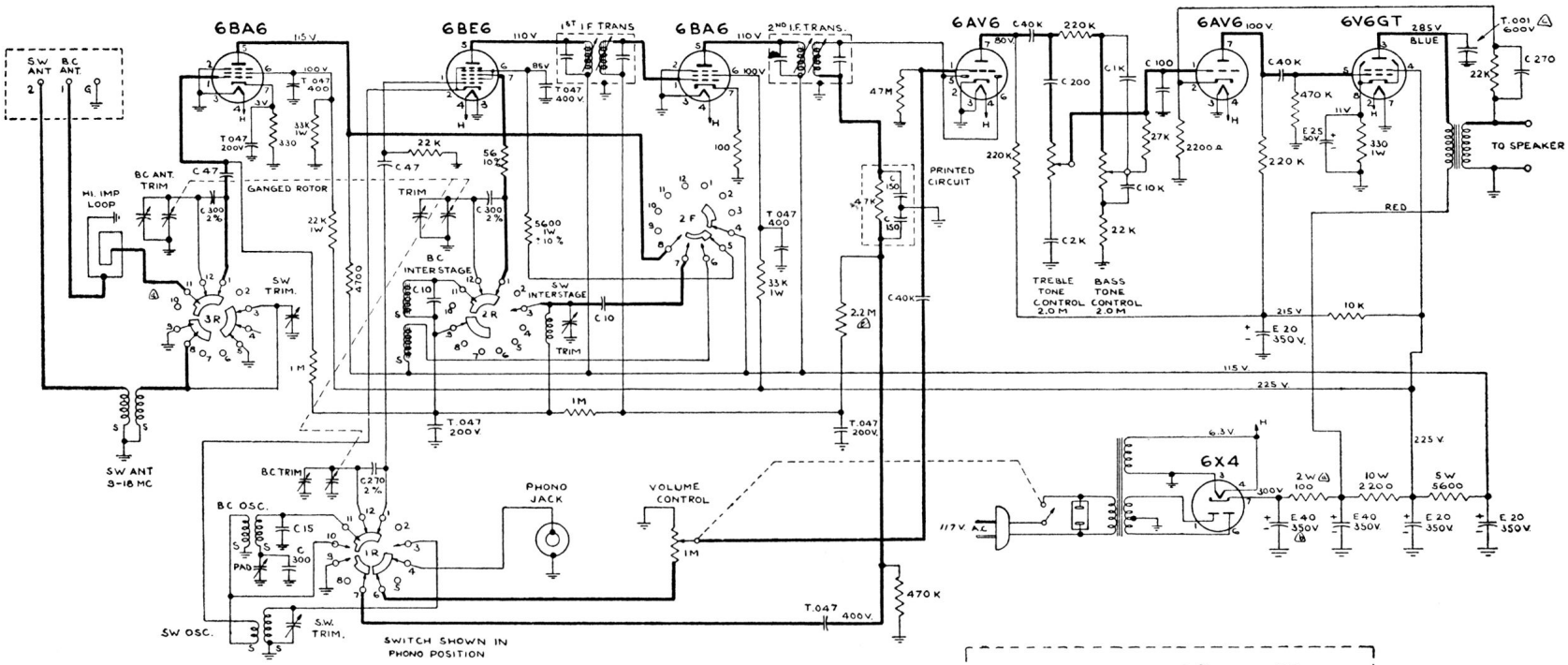
A-3083.....Dial Scale
B-4123-6.....Drive Shaft
G-559.....Electrolytic 4 section
40, 20 & 20 ufd x 350 WV.
20 ufd x 25 WV.
G-604-1.....Electrolytic Single Section
5 ufd x 20 WV. Non-Polarized.
G-643.....Electrolytic 2 Section
40 & 20 ufd. x 350 WV.
H-536-9.....W.W. Resistor 5600 ohm 1090 5W.
H-536-16.....W.W. Resistor 2200 ohm 10% 10W.
K-771A.....Pilot Lamp 6-8V. .25A #44
K-1394.....Printed Circuit — Filpec
LK-512-7 Output Transformer
LK-513-2.....Power Transformer 60 cycle
LK-514-2.....Power Transformer 25 Cycle
MP-1204-52...Pointer and Slide Assembly
P-1965.....B.C. Osc. Coil
P-1986-1.....S.W. Int. Coil
P-2279-3.....B.C. Int. Coil
P-2500-1.....S.W. Ant. Coil
P-2923.....I.F. Transformer (1st & 2nd)
P-2989.....Loop Ant. Assembly
P-2991-1.....S.W. Osc. Coil
Q-346-1.....Selector Switch
R-375-14.....Bass Tone Control
R-458-1.....Off-On Volume & Treble Tone Control (Dual)
V-285-3.....Single Trimmer
V-350.....Three in line trimmer
V-351-2.....Gang Condenser

INSTALLATION

A-3084.....Control Panel
C-1032-2.....Trim Strip
K-1633.....3½" PM Speaker
K-1736-2.....Colouramic Tone Control Disk (Bass)
K-1797.....Colouramic Tone Control Disk (Treble)
K-1798.....6" x 9" PM Speaker
N-484-3.....Knob (Off-On-Volume)
N-485-3.....Knob (Treble)
N-486-1.....Knob (Tuning and Bass)
N-500-1.....Knob (Sel. Switch—Front Knob)
N-519-1.....Knob (Sel. Switch—Rear Knob)

THE T. EATON Co LIMITED
CANADA

Part No. J-3971 750-D.P.-106



ALL VOLTAGES ± 10% MEASURED TO CHASSIS WITH 20,000 OHM/VOLT METER AT 117 VOLT LINE. SELECTOR SWITCH SHOWN IN PHONO POSITION.

ALIGNMENT AND SENSITIVITY — SIGNAL GENERATOR MODULATED .30% AT 400 S.P.S.					
APPLY SIGNAL AT ~	TO	THRU .1 MFD DUMMY	SET GANG AT	ADJUST FOR MAX. OUTPUT	NOMINAL SENSITIVITY FOR 500 MILLIWATTS OUTPUT
455	6BA6 IF ~ 1 PIN	.05 mfd		2ND I.F. IRON CORES	TONE CONTROLS MAX. 3200 c.v.
455	6BE6 ~ 7 PIN	.05 mfd	MIN. CAP.	1ST I.F. & 2ND I.F.	12.0 M.V.
1460	6BE6 ~ 7 PIN	.05 mfd	1460 K.C.	B.C. OSC. TRIM	—
1460	ANT.	400 Ω	1460 K.C.	B.C. ANTENNA & INTERSTAGE TRIM	5 M.V.
600	ANT.	400 Ω	600 K.C.	B.C. OSC. PADDER	15 M.V.
16 M.C.	ANT.	400 Ω	16 M.C.	S.W. OSC. INTERSTAGE & ANT. TRIMS.	20 M.V.
10 M.C.	ANT.	400 Ω	10 M.C.	CHECK POINT	22 M.V.

COMPONENT VALUES

RESISTORS : HALF WATT, UNLESS NOTED
20% TOLERANCE, UNLESS OTHERWISE NOTED
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 & D.C.W.V.
C = CERAMIC, FOLLOWED BY CAP IN MMFD & TOL. IF CRITICAL.
M = MICA, FOLLOWED BY CAP. IN MMFD. & TOL. IF CRITICAL

C.N. Nº	DATE	CHANGE	SYMB.	CH'K
56-752	8-28-56	ADDED : RESISTOR 2W 100Ω (a), CONDENSER 350V. E.40 (b)		
56 779	9-3-56	ADDED T.001 CONDENSER (E), 2000 VOLT C.15 MFD CONDENSER (F)		
		2.2 M RESISTOR TAPED TO OTHER END OF PRINTED CIRCUIT	C	

J-3968