

VIKING Service Information for MODEL

5 Tube AC-DC Mantel Radio

SPECIFICATIONS

NOTE: WHEN WRITING FOR SERVICE INFORMATION OR PARTS, PLEASE QUOTE MODEL, SERIAL NUMBER, CYCLE, FINISH OF CABINET AS MARKED ON PLATE. FOR ALIGNMENT AND SENSITIVITY DATA SEE SCHEMATIC.

CAUTION FOR SERVICEMEN

Any serviceman working with this receiver when it is out of the cabinet should take special care not to come in contact with any ground connections.

Standard Broadcast Range 535 Kc - 1650 Kc
 Intermediate Frequency 455 Kc
 Power Consumption 26 VA
 Undistorted Output 750 mw
 Maximum Power Output 1.5 Watts
 Power Supply 110-120 VAC or DC

REPLACEMENT PARTS LIST

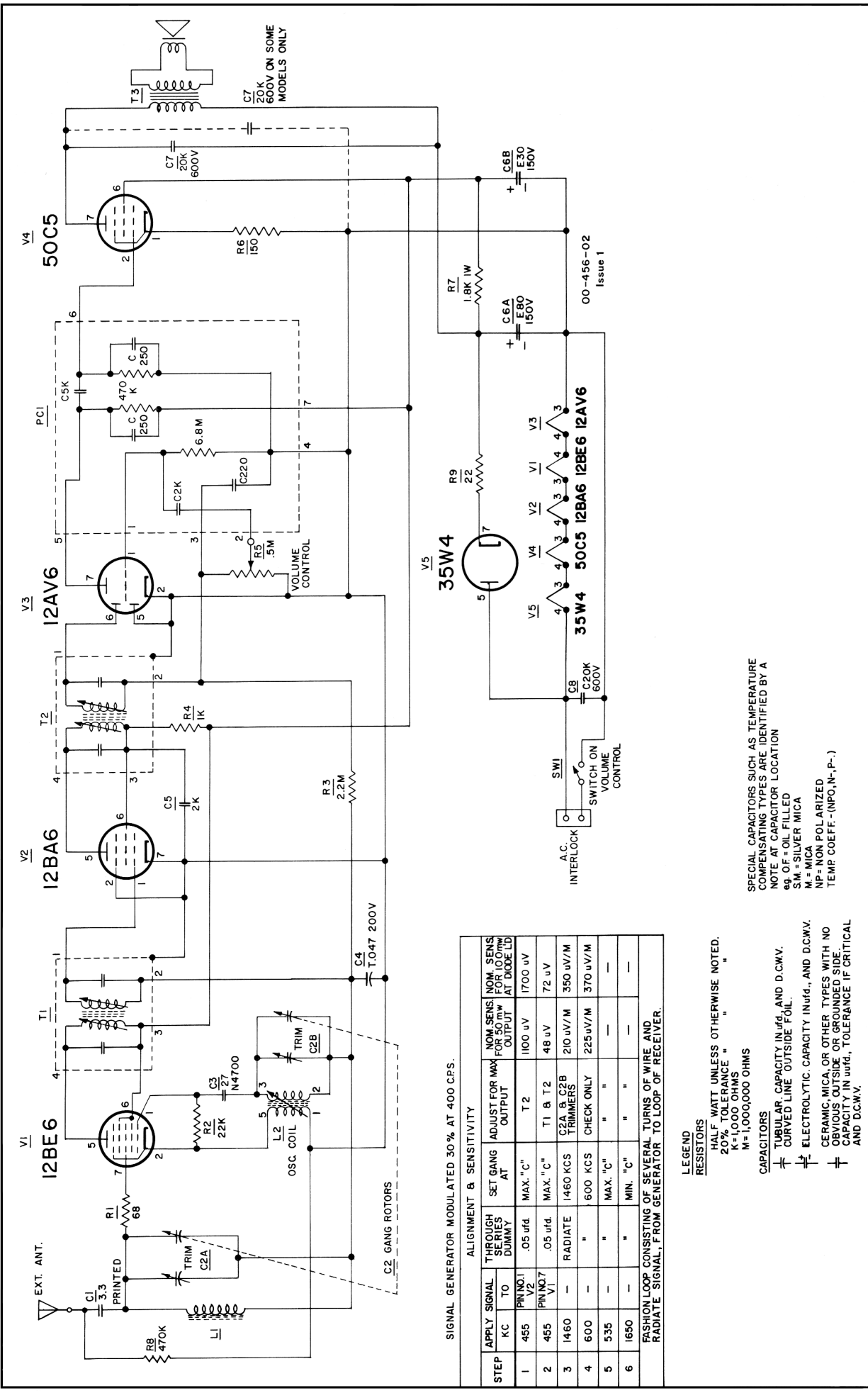
RM-517R

Part No.	Description
12-21130-57	Plastic Cabinet - Gold
12-21130-58	Plastic Cabinet - Coral
12-21130-59	Plastic Cabinet - Turquoise
12-21130-60	Plastic Cabinet - Ivory
19-40013-01	Speaker 4" PM 3.2 ohm VC
24-80059-01	Output Transformer 3.2 ohm
53-473-01	Knob - Tuning
53-473-02	Knob - Volume
53-520-01	Viking Name Plate

CHASSIS ASSEMBLY

Symbol	Part No.	Description
T1, T2	21-434-02	IF Transformer 1st. and 2nd.
L2	21-456-01	BC Oscillator Coil
R5 SW1	41-147-01	Volume Control and Switch
C6	44-120-01	Electrolytic 80, 30 ufd. x 150 V
C2	45-43-01	Gang Condenser
PC1	50-7-01	Printed Circuit
	51-39-01	Rod Antenna
	50-501-01	Printed Board

THE T. EATON CO. LIMITED
C A N A D A



SIGNAL GENERATOR MODULATED 30% AT 400 CPS.

ALIGNMENT & SENSITIVITY									
STEP	APPLY SIGNAL	THROUGH SERIES DUMMY	SET GANG AT	ADJUST FOR MAX OUTPUT	NOM. SENS. FOR 50 mw AT DIODE I.D.	NOM. SENS. OUTPUT	ADJUST FOR MAX OUTPUT	THROUGH SERIES DUMMY	APPLY SIGNAL
1	455 KC	PRINTED	MAX. "C"	T 2	100 uV	1700 uV	MAX. "C"	T 1 & T 2	455 KC
2	455 KC	PRINTED	MAX. "C"	C2A & C2B TRIMMERS	48 uV	72 uV	MAX. "C"	C2A & C2B TRIMMERS	455 KC
3	1460 KC	RADIATE	1460 KCS	CHECK ONLY	210 uV/M	350 uV/M	1460 KCS	CHECK ONLY	1460 KC
4	600 KC	"	600 KCS	"	225 uV/M	370 uV/M	"	"	"
5	535 KC	"	MAX. "C"	"	"	"	MAX. "C"	"	"
6	1650 KC	"	MIN. "C"	"	"	"	MIN. "C"	"	"

FASHION LOOP CONSISTING OF SEVERAL TURNS OF WIRE AND RADIATE SIGNAL, FROM GENERATOR TO LOOP OF RECEIVER.

LEGEND

- RESISTORS
 HALF WATT UNLESS OTHERWISE NOTED.
 20% TOLERANCE " "
 K=1,000 OHMS
 M=1,000,000 OHMS
- CAPACITORS
 TUBULAR. CAPACITY IN μ F, AND D.C.W.V.
 CURVED LINE OUTSIDE FOIL.
 ELECTROLYTIC. CAPACITY IN μ F, AND D.C.W.V.
 CERAMIC, MICA, OR OTHER TYPES WITH NO OBVIOUS OUTSIDE OR GROUNDED SIDE.
 CAPACITY IN μ F, TOLERANCE IF CRITICAL AND D.C.W.V.

SPECIAL CAPACITORS SUCH AS TEMPERATURE COMPENSATING TYPES ARE IDENTIFIED BY A NOTE AT CAPACITOR LOCATION
 eg. OF = OIL FILLED
 SM = SILVER MICA
 NP = NON POLARIZED
 TEMP. COEFF. = (NPO, N, P, -)