CANADIAN MARCONI COMPANY

TECHNICAL DATA AND PARTS LIST FOR MODELS 200 & 200E

DESCRIPTION

Model 200 & 200E five tube A.C. operated. Superheterodyne circuit with built-in antenna and full automatic volume control.

FREQUENCY COVERAGE

Broadcast Band.....523-1760 KC

POWER OUTPUT

Undistorted.....1.5 Watts.

Maximum.....2.9 Watts.

POWER RATING

115 volts 60 cycles.....80 Watts.

115 volts 25 cycles.....75 Watts.

LOUDSPEAKER DATA (Model 200-200E)

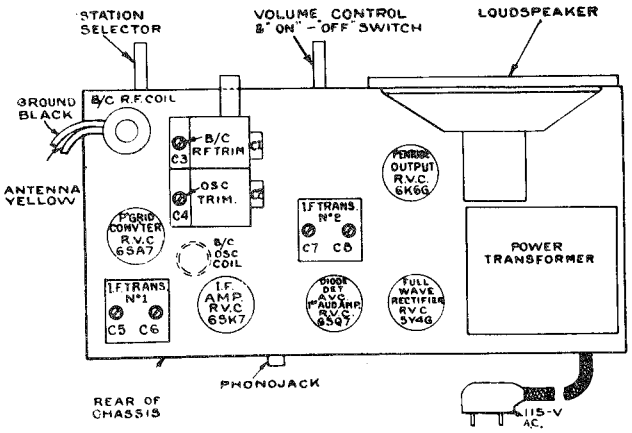
Cone.....5" dynamic

Field Resistance (Hot).....1400 Ohms

Field Current.....56 M.A.

Voice Coil Resistance.....2.9 Ohms

Voice Coil Impedance @ 400 C.P.S.....3.1 Ohms



RADIOTRON	FUNCTION
RVC 6SA7	Mixer Oscillator
RVC 6SK7	I.F.Amplifier
RVC 6SQ7	Diode Det. AVC & 1st A.F. Amp.
RVC 6K6G	Pentode Output
RVC 5Y4G	Full Wave Rectifier

VOLTAGE & CURRENT DATA

Rectifier Voltage.....320 V. D.C.

High Tension Voltage.....240 V. D.C.

Screen Voltage.....88 V. D.C.

Pentode Bias Voltage.....15 V. D.C.

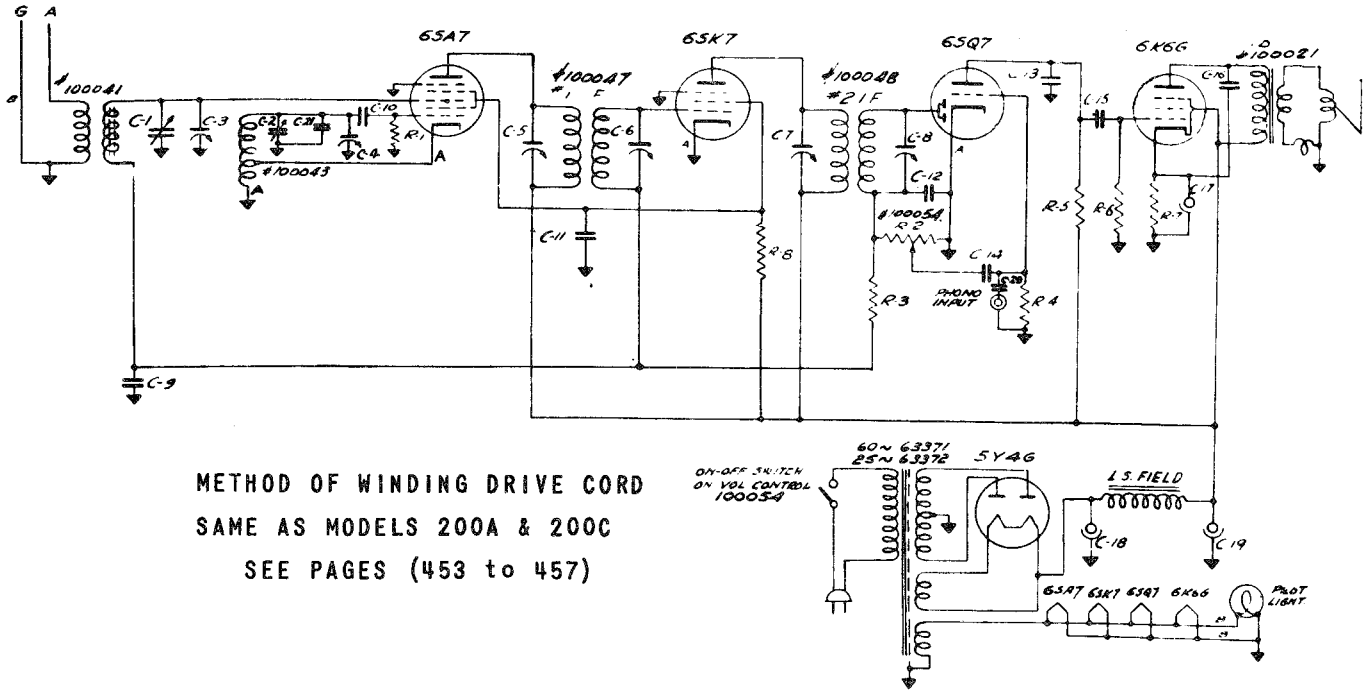
Total Current Consumption.....56 M.A.

ALIGNMENT PROCEDURE

SET BAND SWITCH TO	CONNECT S.G. OUTPUT TO	INPUT FREQUENCY	DIAL SETTING	ADJUST	CIRCUIT RESONATED	REMARKS
B.C.	§C.G. 6SA7	462.5 KC	*	C8 & C7 C6 & C5	No. 2 I.F. No. 1 I.F.	Max.Output Max.Output
+B.C. B.C.	A & G A & G	1760 KC 1600 KC	Gang at min. 160	C4 C3	Osc. R.F.	Resonate Max.Output

* Short Osc. Section of gang through 0.1 Mfd.
\+ Before proceeding with R.F. Alignment, see that dial pointer is set to last calibration mark at left of dial with gang at maximum capacity.
§ Lug on R.F. Section of gang forms suitable point of connection.For oscillograph alignment,connect oscillograph input across volume control(R.2)and adjust for overlapping double image of max.amplitude.

MODELS 200 & 200E



METHOD OF WINDING DRIVE CORD
SAME AS MODELS 200A & 200C
SEE PAGES (453 to 457)

CAPACITORS

REF.	DESCRIPTION	PART NO.
C1	422 Mmf. Eff. } Gang Capacitor	100062
C2	185 Mmf. " }	
C3	Compensator for C1	
C4	" " C2	
C5	90-200 Mmf Adjustable }	100091
C6	" " " " }	
C7	" " " " }	100091
C8	" " " " }	
C9	0.05 Mfd 200 Volts Rolled Paper	
C10	100 Mmf. Moulded Mica	
C11	0.1 Mfd. 400 Volts Rolled Paper	
C12	150 Mmf. Moulded Mica	
C13	250 Mmf. Moulded Mica	
C14	0.0025 Mfd. 400 Volts Moulded Paper	
C15	0.02 Mfd. 600 " Rolled Paper	
C16	0.006 Mfd. 600 " " "	
C17	25 Mfd. 20 WVL (Yellow Lead) }	
C18	20 Mfd. 330 WV (White Lead) }	100075
C19	10 Mfd. 262 WV (Red Lead) }	
C20	0.05 Mfd.200 Volts Rolled Paper	

INDUCTORS

PART NO.	DESCRIPTION
100041	Coil R.F. (Broadcast)
100043	Coil Osc. "
100047	Transformer I.F. #1
100048	Transformer I.F. #2
63371	Transformer 60 cycles
63372	Transformer 25 cycles

LOUDSPEAKER ASSEMBLY

100021	Loudspeaker
100021A	Field Coil
100021B	Cone & Voice Coil Assy.
100021C	Output Transformer

PART NO.	DESCRIPTION
DIAL DRIVE ASSEMBLY	
100069	Dial Assembly
100064	Pointer
68065	Cotter Pin
68086	Spring
61489	Clamp
#18	Drive Cord
MISCELLANEOUS	
100004	Cabinet (Ivory or Walnut)
65625	Knob (Ivory or Walnut)
63179	Lead Assy (A.C. Connector)
51	Pilot Lamp 6-8 v. (Bayonnet)
100088	Pilot Lead Assy.

RESISTORS

REF.	DESCRIPTION	PART NO.
R1	20,000 ohms ½ watt	
R2	.5 Meg. Volume Control	100054
R3	2.5 Meg. ½ watt	
R4	10 Meg. ½ watt	
R5	0.25 Meg. ½ watt	
R6	0.5 Meg. ½ watt	
R7	550 Ohms ½ watt	
R8	20,000 Ohms 2 "	