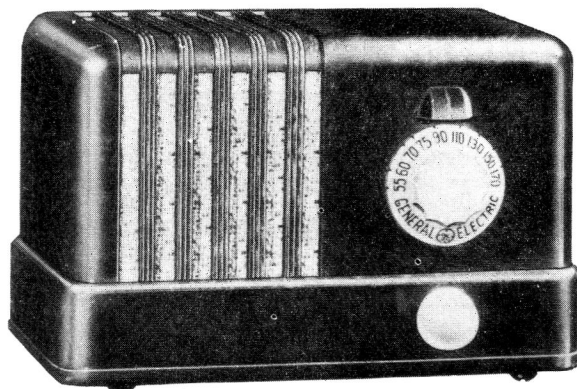


MODEL C-400

4-Tube, Single Band, A-C/D-C Superheterodyne Radio Receiver



MODEL C-400

SPECIFICATIONS

Cabinet:

Material Plastic
 Height 5 inches
 Width 7 1/2 inches
 Depth 4 3/8 inches

Electrical Specifications:

105-120 volts, 25-60 cycles A.C.
 105-120 volts D.C.
 Current Consumption - 0.25 amperes
 TUNING FREQUENCY RANGE 540-1720 kc.

Power Output (117 volt line):

Maximum 2.0 watts
 Undistorted 1.1 watts

Loudspeaker

Type Alnico P.M.
 Outside Cone Diameter 4 inches
 Voice Coil Impedance (400 Cps) 3.2 ohms

Tubes:

Converter Oscillator 12BE6
 I.F. Amplifier 2nd Detector, 1st Audio 12AT6
 Power Output 50L6GT
 Rectifier 35W4

Alignment Frequencies:

I.F. Transformer 460 Kc.
 R.F. 1720, 1500 Kc.

ALIGNMENT INSTRUCTIONS

NOTE: To prevent possible damage to test instruments when aligning this receiver, an isolating transformer should be used between the line and the receiver.

Connect an output meter across the voice coil of the loudspeaker, turn the volume control to maximum and keep the output of the test oscillator as low as possible to give a readable indication on the output meter.

ALIGNMENT CHART

Step	Connect Test Oscillator to	Set Test Oscillator to	Tune Receiver to	Adjust for maximum Output
	Low side to chassis			
1	High side to antenna section of gang	460 kc	Gang Fully open	C5, C4 i.f. transformer Trimmers
2	High side to antenna lead through 100 mmf.	1720 kc	Gang Fully open	C3 Oscillator trimmer
3	High side to antenna lead through 100 mmf.	1500 kc	Tune in Signal	C2 Antenna trimmer

ALL CAPACITIES ARE IN MMF UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE TOLERANCES ARE $\pm 20\%$ UNLESS OTHERWISE SPECIFIED.
ALL WATTAGE RATINGS ARE $\frac{1}{2}$ WATT UNLESS OTHERWISE SPECIFIED.

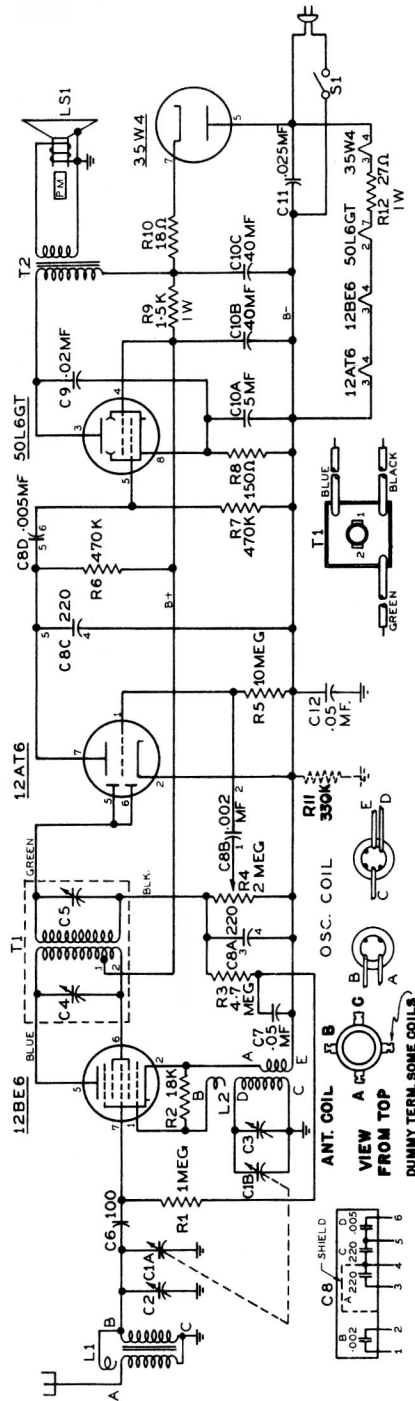


Fig. 1. — Schematic Diagram

P8530138-6

Note: R11 not used in late production receivers.

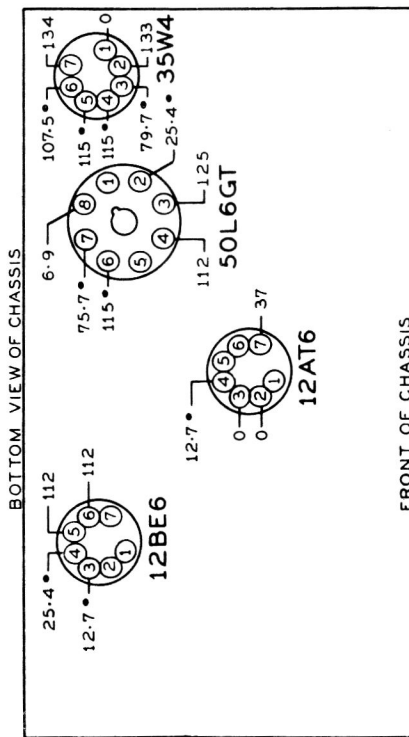


Fig. 2 — Socket Voltage Diagram

M8533842-0

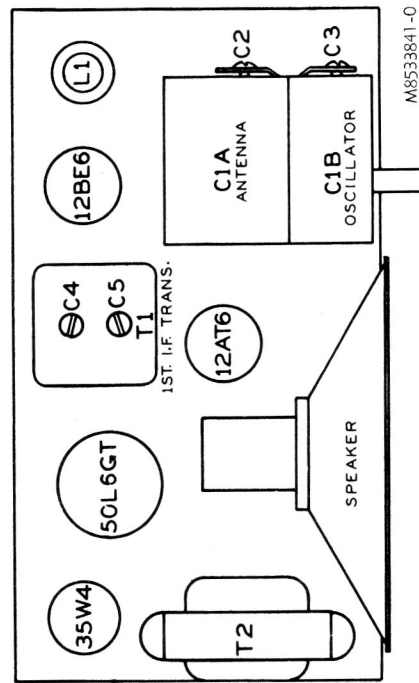


Fig. 3 — Tube and Trimmer Location

M8533841-0

REPLACEMENT PARTS LIST

Model C400

Part No.	Symbol	Description	Part No.	Symbol	Description
Miscellaneous Parts			Miscellaneous Parts		
M8533762-1	C1,2,3	Capacitor - Tuning	K8532032-3		Cabinet - Green
K8532033-1	C10	Capacitor - Electrolytic 2-40 Mfd. 150 V. 1-5 Mfd. 25V.	K8532032-4		" - Salmon
K67J836	C8	Capacitor - Ceramic .002 Mfd., 220 Mmfd., 220 Mmfd., .005 Mfd.	K8532032-5		" - Blue
M8533791-1	L1	Coil - antenna coil	K8532032-6		" - Red
M8533788-1	L2	Coil - Oscillator coil	M8533763-2		Cabinet back
UCF62064		Socket for 50L6Gt Radiotron	UCF49382		Dot fasteners to hold back
UCF62085		Socket for other Radiotrons	K8532041-1		Knob - Tuning - Ivory
P8534099-1		Speaker - 4" PM	K8532041-2		" " - Maroon
K8531646-12	T2	Transformer - output	K8532041-3		" " - Red
P8530176-1	T1	Transformer - I.F.	M8533833-1	⊗	" - Volume control - Ivory
M8533834-1	R4	Volume Control & Switch ⊗	M8533833-2	⊗	" - " " - Maroon
M8533644-2	R4	Volume Control & Switch	M8533833-3	⊗	" - " " - Red
K8532032-1		Cabinet - Walnut	M8533695-1		Knob - Volume control - Ivory
K8532032-2		" - Ivory	M8533695-2		" - " " - Maroon
			M8533695-3		" - " " - Red
			V22J870		Spring for above knob

⊗ Used only on Models Bearing Serial No. 263034 and up.

DATA SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: Always state model no. of radio when ordering parts.

SMALL CAPACITORS AND RESISTORS NOT LISTED ABOVE ARE AVAILABLE FROM YOUR LOCAL RADIO PARTS JOBBER