

SERVICE DATA FOR HEALING RADIO

RECEIVER MODEL 45E

SUPER-HETERODYNE WITH A.V.C.

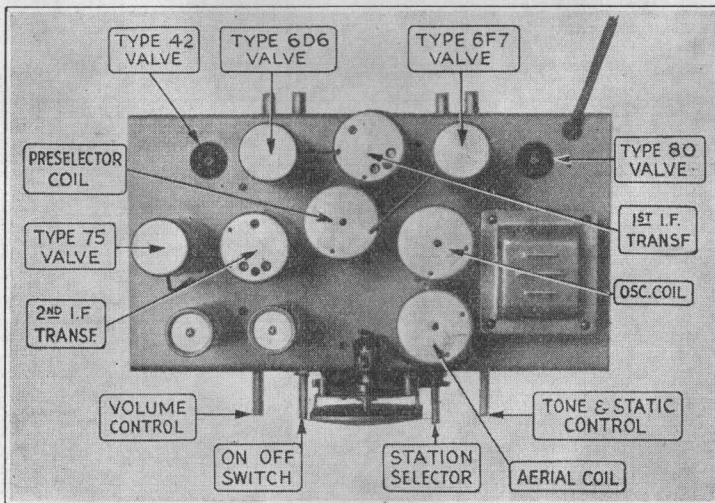


Diagram showing Chassis layout

VALVES:—

6F7 Oscillator Modulator	6D6 I.F. Amplifier
75 Diode Demodulator & A.F. Amplifier	42 Power Pentode
80 Full Wave Rectifier	

PILOT LAMP:—6.3 V. .5 Amp.

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VOLTAGE ADJUSTMENT.

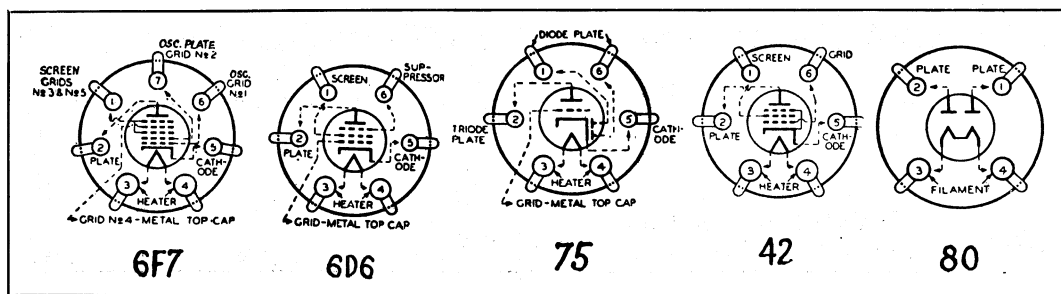
Before leaving the factory the switch located behind the danger plate is set at 230 volts, and should the supply voltage differ the necessary readjustment must be made.

CAUTION.

Disconnect the power plug from the supply outlet before making any adjustment to the receiver assembly.

VALVES.

Make sure the valves are in good condition, of the correct type, and are properly fitted into the correct sockets before operation.



Valve Connections Viewed from Bottom of Socket.

VALVE VOLTAGES.

Valve.	Filament.	Cathode.	Screen.	Plate.	Osc. Plate.
6F7	6.2 A.C.	7.2 (B)	77 (C)	233 (C)	77 (C)
6D6	6.2 A.C.	3 (B)	77 (C)	233 (C)	
75	6.2 A.C.	1 (B)		75 (C)	
42	6.2 A.C.	15 (B)	233 (C)	211 (C)	
80	4.7 A.C.				

Speaker field voltage drop, 130 V. (C).

All voltages measured with the aerial disconnected and the receiver off station.

All the voltages given above are those indicated when using a 1000 ohm per volt meter.

Scales: 0—10 (A)—50 (B)—250 (C)—750 (D) volts.

Meters of different resistance will not indicate similar readings at the points measured.

SPEAKER.

The electro-dynamic Speaker is matched to the power valve, and has a field resistance of 2500 ohms. The voltage drop across the field is shown below the valve table.

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The field is connected across the cathode and plate pins of the five-pin plug, and the input to the transformer is connected to the heater pins. Make sure the plug is connected to the receiver before operation.

OPERATION.

See Model 45E operating instructions under "Tuning."

LINING.

The I.F. is 175 K.C. The condenser unit trimmers from the control end are:—

Aerial trimmer.

Oscillator trimmer.

Pre-selector trimmer.

See "General Service Notes" for lining method.

DIAL.

See "General Service Notes."

Read carefully the instructions for installation and operation of the Model 45E.

POSSIBLE FAULTS.

See "General Service Notes."