

TUBES:

The tube complement of this chassis consists of the following Octal Base Glass Tubes:

The type and function of each tube is as follows:

- 1—Type 6D8G or 6A8G Pentagrid Mixer, First Detector-oscillator.
- 1—Type 6S7G Remote cut-off R.F. Pentode, I.F. Amplifier (465 K.C.)
- 1—Type 6T7G Duplex Diode Triode Second Detector, A.V.C. and First Audio.
- 1—Type 1F5G Output Amplifier.
- 1—Type 6N5 Cathode-Ray Tuning Eye.

MODEL 62-465

SERVICE NOTES:

Voltage taken from different points of circuit to chassis are measured with volume control full on, all tubes in their sockets and speaker connected, with a volt meter having a resistance of 1000 ohms per volt.

All voltages are to be measured with 6.3 volts input to receiver.

Resistances of coils and transformer windings are indicated in ohms on schematic circuit diagram.

To check for open by-pass condensers, shunt each condenser with another condenser of the same capacity and voltage rating, which is known to be good, until the defective unit is located.

Failure to operate, noisy or weak reception is usually due to defective tubes, the tubes making poor contact with sockets or grid clips making poor contact with the caps of the tubes. Tubes may be checked very easily by replacing with other tubes which are known to be good. If fuse blows out frequently and insulating sleeve has been properly placed over fuse, the trouble is probably in the vibrator, it should be replaced. Do not attempt to make any adjustments on the vibrators.

Excessive hum, stuttering, low volume and a reduction in all D. C. voltages is usually caused by a shorted electrolytic condenser; open by-pass condensers, frequently cause oscillation and distorted tone.

- PARTS**
- T1 111-78 Antenna Coil Complete
 - T2 110-62 Oscillator Coil Complete
 - T3 108-82B Input I.F. Coil—465 kc.
 - T4 108-83B Output I.F. Coil—465 kc.
 - T5 114-74 5" P.M. Speaker
 - T6 104-62D Power Transformer
 - L1 105-35 R.F. "B" Choke
 - L2 105-19 "A" Choke
 - L3 105-30C Filter Choke
 - Vibrator 126-4 Vibrator
 - F1 131-79 4 amp. fuse (type 3AG)
 - S1 On Volume Control

FOR ALIGNMENT, SEE INDEX

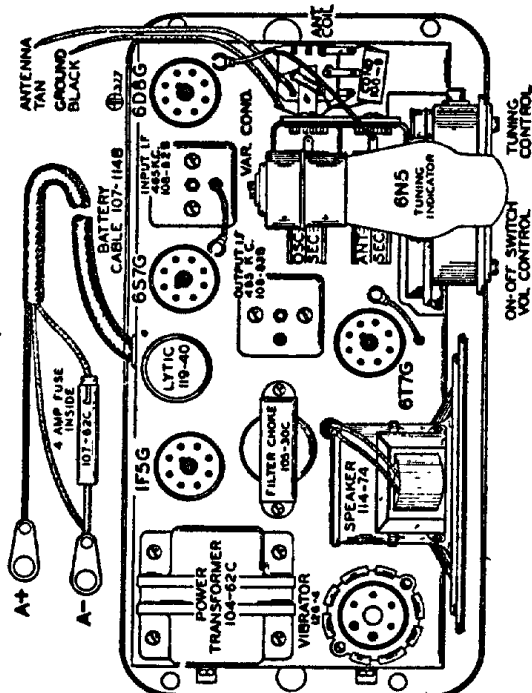


FIG. 1—TOP VIEW