



TUBE COMPLEMENT

The tube complement of this receiver consists of the following

- 1—6SK7—R.F. Amplifier
- 1—6SA7—Mixer—OSC
- 1—6SK7—I.F. Amplifier
- 1—6SQ7—Det. AVC—Audio
- 1—6K6—Power Output
- 1—5Y3—Rectifier

SOCKET VOLTAGES

All voltages are measured with a 1000 ohm per volt meter on the 150 volt scale, with no signal. To obtain an accurate voltage check the AC line voltage must be 117 volts. Where no voltage is shown the voltage is 0 or cannot be read with this type of voltmeter.

SERVICE NOTES

Voltages taken from the different points of the circuit to the chassis are measured with volume control in maximum position, all tubes in their sockets and with a volt meter having a resistance of 1000 ohms per volt, using the 150 volt scale. These voltages are clearly indicated on the voltage chart (Fig 2)

All voltages should be measured with an AC line voltage of 117 volts

To check for open bypass condensers, shunt each condenser with another one having the same capacity and voltage rating which is known to be good until the defective unit is located

ALIGNING INSTRUCTIONS

Never attempt any adjustments on this receiver unless it becomes necessary to replace a coil or transformer, or the adjustments have been tampered

with in the field. Always make certain that other circuit components, such as tubes, condensers, resistors, etc., are normal before proceeding with realignment

If realignment is necessary follow the instructions given under the heading "ALIGNMENT PROCEDURE" on the next page. After realignment has been completed repeat the procedure as a final check

REMOVING CHASSIS FROM CABINET

The dial pointer must be removed from the pointer rail assembly, and cabinet before the chassis can be taken from the cabinet. This can be done by detaching the dial cord from the pointer and sliding the pointer to the right (viewed from the rear of the cabinet) as far as it will go. The dial pointer can now be removed from the cabinet.

The chassis can now be removed in the conventional manner by taking out the four chassis mounting bolts after disconnecting the speaker and phono leads