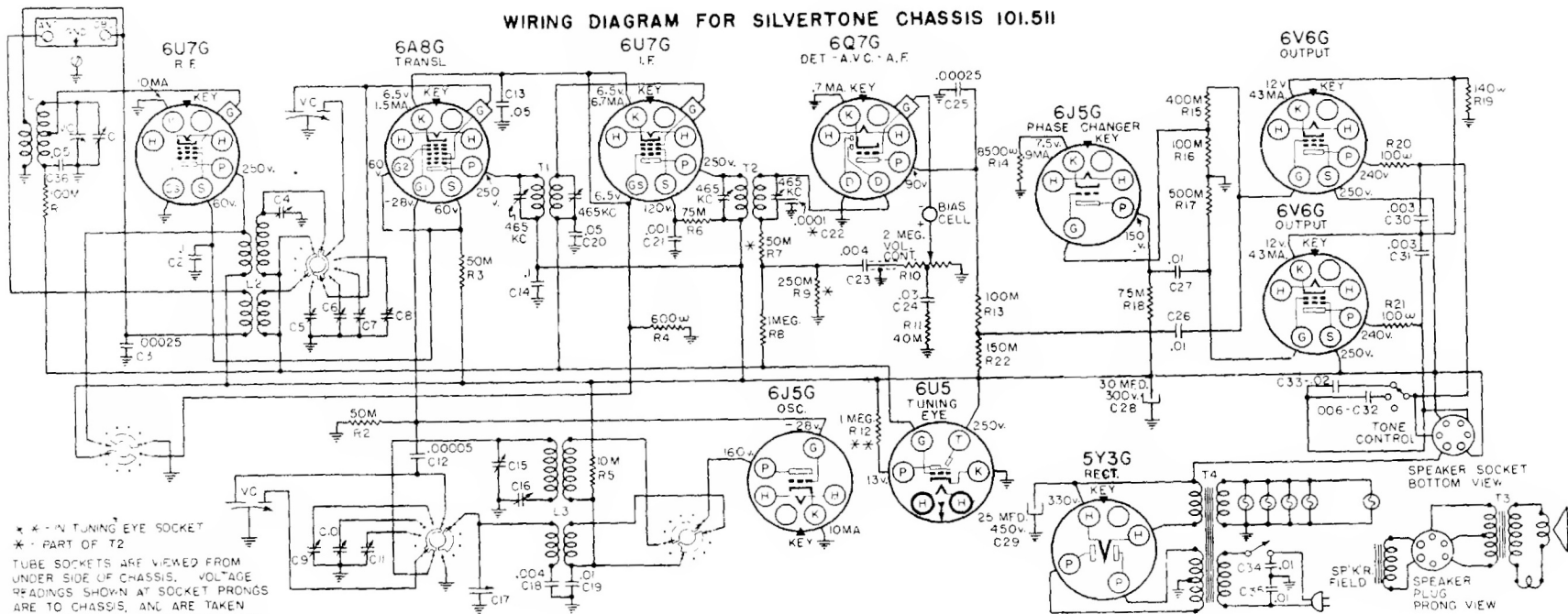


WIRING DIAGRAM FOR SILVERTONE CHASSIS 101.5II



* * * IN TUNING EYE SOCKET
 * * PART OF T2
 TUBE SOCKETS ARE VIEWED FROM UNDER SIDE OF CHASSIS. VOLTAGE READINGS SHOWN AT SOCKET PRONGS ARE TO CHASSIS, AND ARE TAKEN WITH NO SIGNAL. (LINE VOLTAGE AT 115 VOLTS. WHEN NO READING IS GIVEN, THE VOLTAGE IS ZERO OR TOO LOW TO READ. READINGS TAKEN WITH WAVE SWITCH IN BROADCAST POSITION.)

GENERAL INFORMATION & SERVICE HINTS

THE AVC CIRCUIT:

The diode current of one of the 6Q7G diode plates, flowing through the 250M ohm resistor, R9, creates a voltage drop across it. This voltage is applied to the control grids of the RF, translator, and IF tubes, to provide AVC.

ELIMINATING WHISTLE AT 930 KC:

A whistle, due to a beat between the second harmonic (930 kc) of the 485 kc IF, and a 930 kc signal may be experienced. In localities where the 930 kc station is one that is frequently listened to, it will be desirable to shift the whistle to some other point where it will not be objectionable. This can be done by shifting the IF frequency of the receiver.

Determine at what point between 900 kc and 960 kc the whistle will be least objectionable. Dividing this frequency by two will give the new IF frequency to which the receiver should be aligned. For example, if it is determined that a whistle at 915 kc would not be objectionable, the IF should be realigned at $915/2$ or 457.5 kc. Try to select the new IF frequency as near as possible to 485 kc.

Sears, Roebuck & Co.
 Chicago.
 Models 6036, 6136.