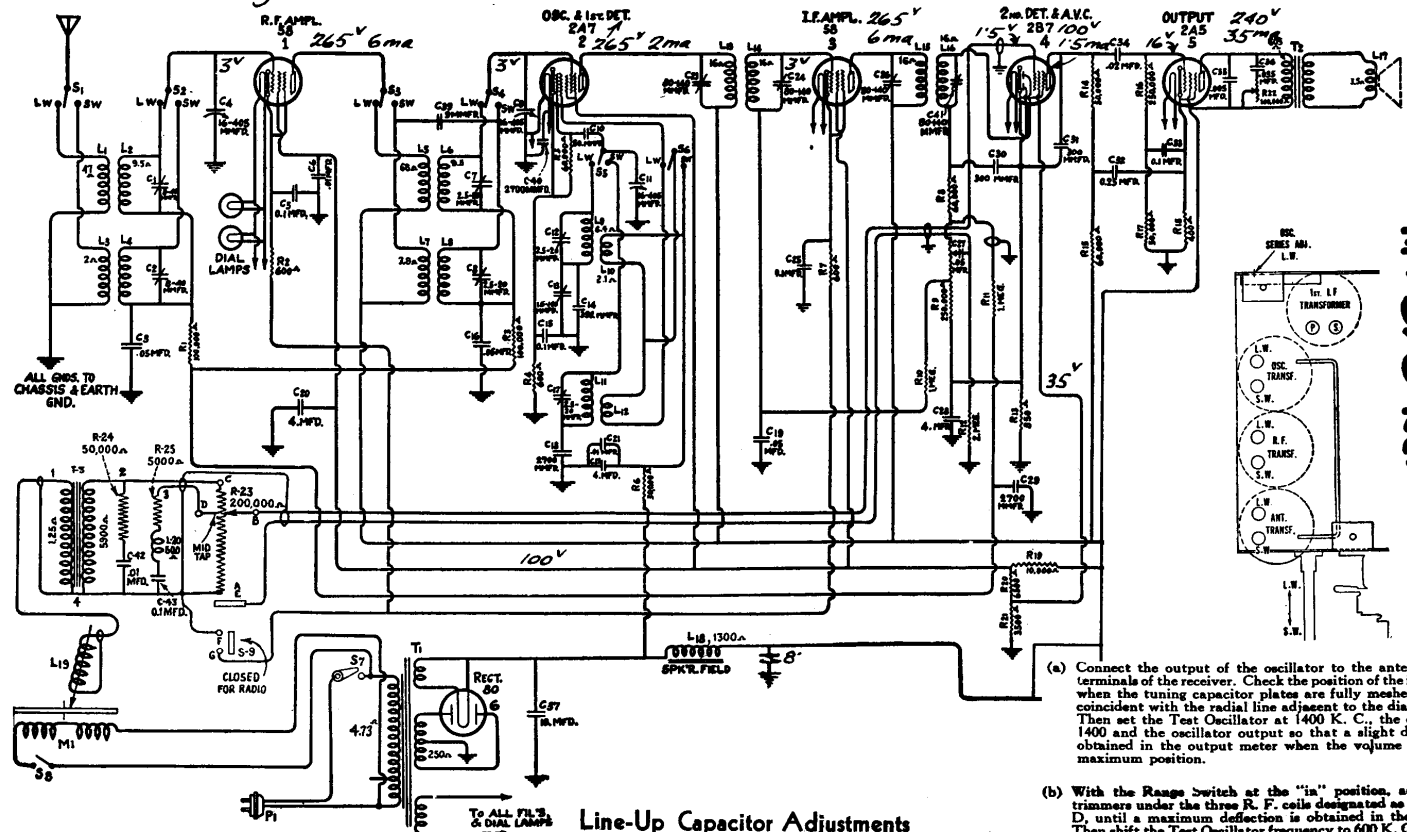


DATA SHEET

PRINTED IN CANADA

VICTOR-22
-CONTINUED-
Tractor machines (S. 172)

* all voltages measured to cathode



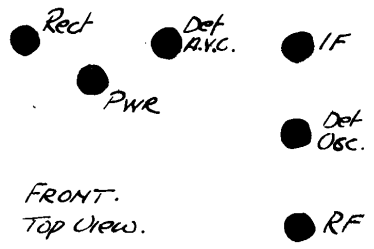
Line-Up Capacitor Adjustments

- Short-circuit the antenna and ground terminals and tune the receiver so that no signal is heard. Set the volume control at maximum and connect a ground to the chassis.
 - Connect the test oscillator output between the first detector control grid, and chassis ground. Connect the output meter across the voice coil of the loudspeaker and adjust the oscillator output so that, with the receiver volume control at maximum, a slight deflection is obtained in the output meter.
- Adjust the secondary and primary of the first and then the second I. F. transformers until a maximum deflection is obtained. Keep the oscillator output at a low value so that only a slight deflection is obtained on the output meter at all times. Go over these adjustments a second time, as there is a slight interlocking of adjustments. This completes the I. F. adjustments.

R. F. and Oscillator Adjustments—The R. F. line-up capacitors are located at the bottom of the coil assemblies instead of their usual position on the gang capacitor. They are all accessible from the bottom of the chassis except the 600 K. C. series capacitor, which is accessible from the rear of the chassis. Proceed as follows:

- Connect the output of the oscillator to the antenna terminals of the receiver. Check the position of the indicator when the tuning capacitor plates are fully meshed, coincident with the radial line adjacent to the dial reading. Then set the Test Oscillator at 1400 K. C., the dial reading 1400 and the oscillator output so that a slight deflection is obtained in the output meter when the volume control is at maximum position.
- With the Range Switch at the "in" position, adjust the trimmers under the three R. F. coils designated as L. W., D, until a maximum deflection is obtained in the output meter. Then shift the Test Oscillator frequency to 600 K. C. and adjust the capacitor accessible from the rear of the chassis so that a maximum deflection is obtained in the output meter when the volume control is at maximum position.
- Now place the Range Switch at the "out" position, set the Test Oscillator to 15,000 K. C. and set the dial at 15 on the frequency scale. Adjust the three trimmer capacitors designated as S. W., D, for a peak, beginning with the oscillator trimmer. It is noted that the oscillator and first detector trimmers will have the same position. The position which uses the lower trimmer capacitance, turning the screw counter-clockwise, is the proper adjustment for the oscillator while the position that uses a higher capacitance is correct for the detector. Both of these adjustments must be indicated irrespective of output. The R. F. is merely peak junction with the detector adjustment, it is necessary to turn the main tuning capacitor back and forth while making these adjustments. This completes the line-up adjustments.

The important points to remember are the need for using the oscillator output to obtain a deflection in the output meter with control at its maximum position and the manner of obtaining high frequency oscillator and detector adjustments.



I.F. 370 Kc.