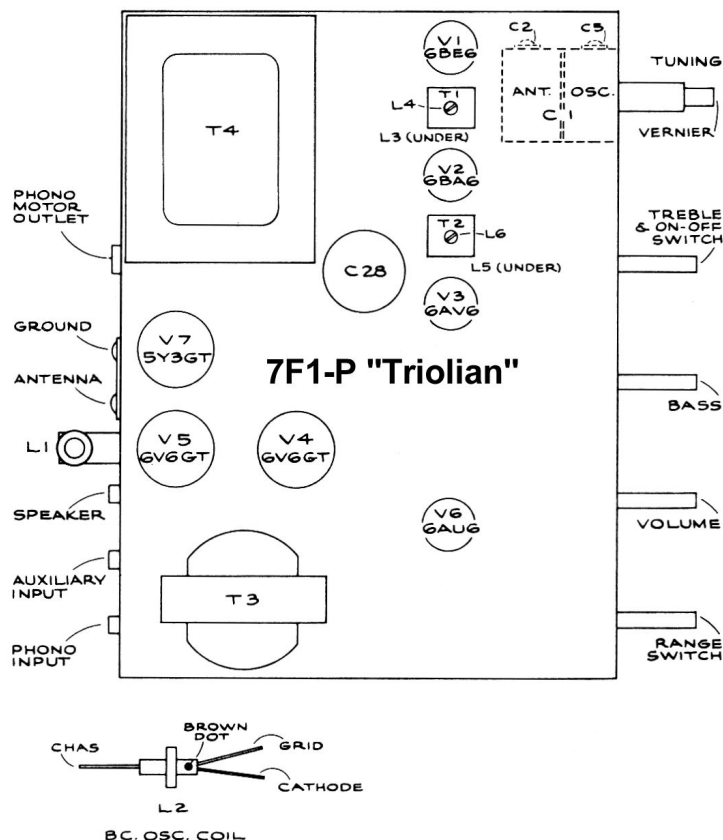




Sparton 7F1-P "Triolian" Receiver Phonograph



TOP VIEW OF CHASSIS

RADIO ALIGNMENT PROCEDURE

At least 15 minutes warm up period should be allowed before adjustments are made.

- Connect Signal Generator to Antenna Terminal and adjust Generator to 455 Kcs.
- Set tuning capacitor to approximately 1500 Kcs and adjust IF iron cores starting with T2 adjust L6 then L5. Next adjust L4 then L3 of T1 for maximum output.
- With tuning capacitor set to minimum capacity and Signal Generator set to 1640 Kcs adjust trimmer C5 to set oscillator. (Tuning range 1640 to 535 Kcs.)
- With Signal Generator set at 1500 Kcs tune in and adjust trimmer C2 for maximum output.

LOOP PADDER

Adjusted for optimum loop performance at factory. Field adjustment usually is unnecessary.

- With Signal Generator and Dial set at 600 Kcs adjust loop padder for maximum output.
- Reset Signal Generator and Dial to 1500 Kcs and rock the tuning capacitor while adjusting C2 for maximum output.

To reduce the possibility of oscillation in the I.F.:

Increase the cathode resistor R3 on the 6BA6 I.F. amplifier tube from 150 ohms 5% 1/2 watt to 330 ohm 5% 1/2 watt.

To reduce R.F. feedback from loop to output tube:

Add a 120 mmfd 20% mica capacitor from pin 7, plate of 6AV6 tube, to ground.

In cases where the radio is present, while on the phono position, the following change can be made:

Remove the oscillator coil from ground and place on the open lug on the three terminal strip.

Add a 4.7K 10% 1/2 watt resistor, and a 5K mmfd ceramic disc capacitor from this open lug and the ground lug.

Run a piece of wire from this lug, to position 5 on the rear section of the range switch.