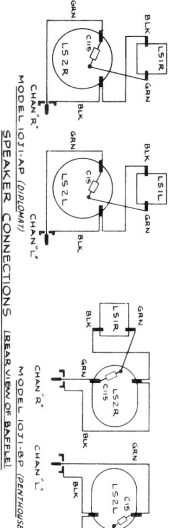
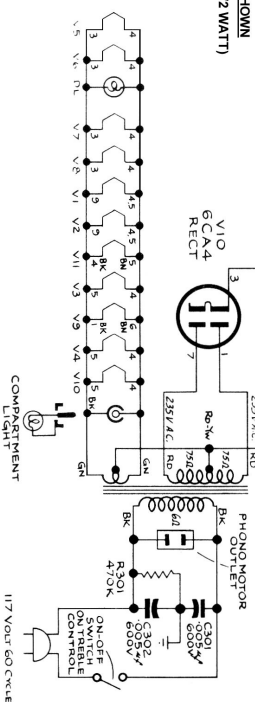


DIAL CORD ARRANGEMENT
(SELECTOR CLOSED)



UNLESS OTHERWISE SHOWN
RESISTANCE IN OHMS (1/2 WATT)
CAPACITIES IN uuf
K = 1,000



Sparton 10J1 AM/FM Receiver Phonograph

ALIGNMENT PROCEDURE

AM

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

SET BAND SWITCH TO AM POSITION

1. Connect Signal Generator, set at 455 Kcs, to AM Antenna Terminal, and connect output meter across speaker voice coil on either "L" or "R" Channel.
2. Set tuning capacitor to minimum capacity and adjust IF transformer T5 bottom then top, T3 bottom then top for maximum output.
3. With tuning capacitor at minimum capacity and Signal Generator at 1640 Kcs. adjust trimmer C206 to set oscillator. (Tuning range 535Kcs. to 1640 Kcs).
4. With Signal Generator set at 1500 Kcs tune in signal and adjust trimmer C202 for maximum output.

LOOP PADDER - (Shorted turn on loop stick)

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

5. With Signal Generator and dial set at 600 Kcs. adjust loop padder for maximum output.
6. Repeat step 4.

FM

1. Set signal generator to 10.7 mcs with 30% AM modulation at 400 cycles. With receiver switched to "FM" apply signal to grid of V. 7 through .01 mfd capacitor. Connect V. T. V. M. across R217 and set on low DC range.
2. Adjust bottom of T6 for maximum reading with minimum of signal applied.
3. Connect two 100K ohm resistors in series across R217 and connect V. T. V. M. from junction of 100K ohm resistors to junction of R216 and C217. With maximum signal applied adjust top of T6 for zero meter reading. Meter reading can be swung positive and negative from this setting.
4. Apply 10.7 mcs signal to grid of V6, and connect V. T. V. M. across R217, tune T4 top and bottom for maximum DC reading.
5. Apply 10.7 mcs signal to FM antenna terminals and adjust tuner IF top and bottom for maximum DC reading.
6. FM Tuner Oscillator and R. F. are preset at factory and should not have to be touched.

