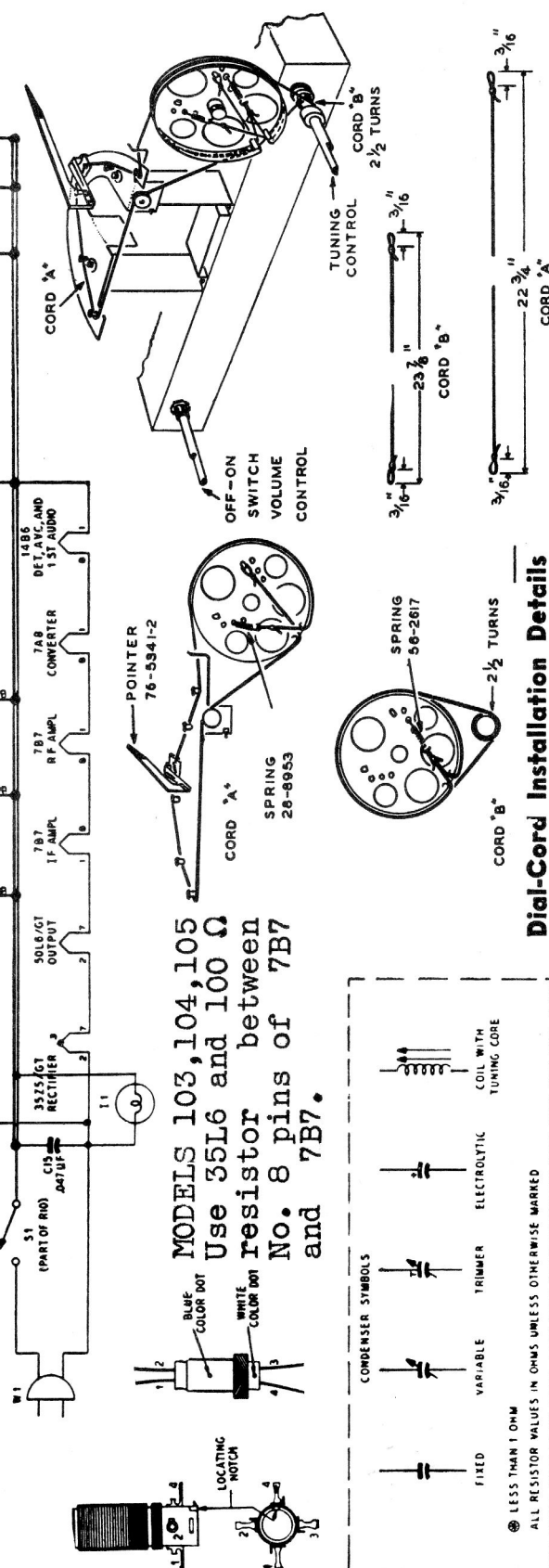
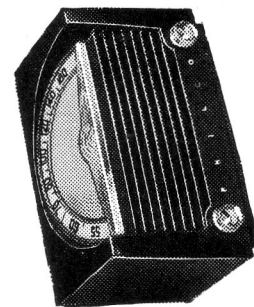


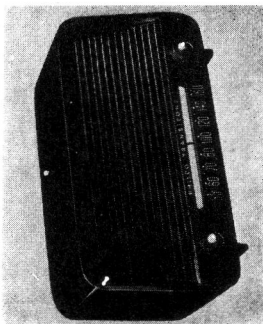


OSCILLATOR VOLTAGE MEASURED ACROSS R4, POSITIVE LEAD TO B₋, NEGATIVE LEAD TO PIN #4 WITH A 100,000 OHM RESISTOR IN SERIES, 20,000/OHM/VOLT, 10 VOLT RANGE. ALL OTHER VOLTAGES MEASURED WITH A 20,000-OHMS-PER-VOLT VOLTMETER BETWEEN POINTS INDICATED TO B₋ AT A LINE VOLTAGE OF 117 V AC.



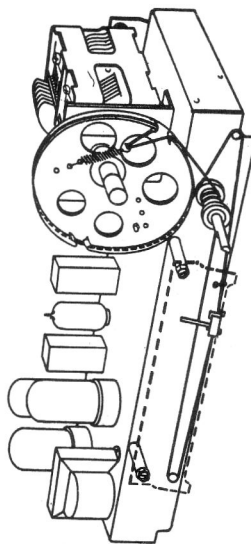


PHILCO '95'

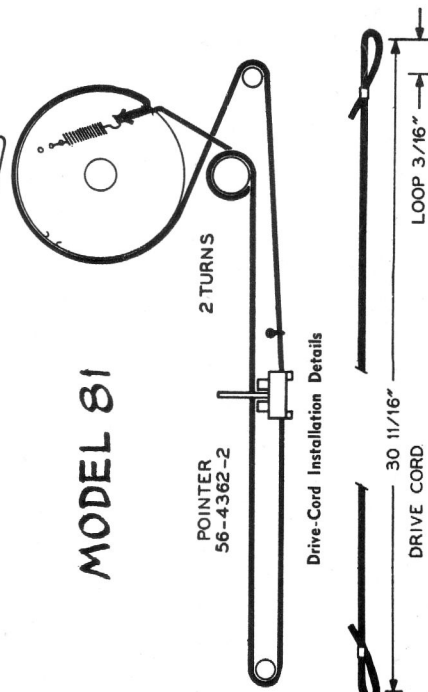


MODEL 81

(A 220 mmf. R.F. Bypass is connected from Pin 2 to Pin 7 of the 14B6 tube.) This is in addition to the circuit as shown in the Schematic Diagram



MODEL 81



ALIGNMENT PROCEDURE

OUTPUT LEVEL: During alignment, attenuate signal-generator output to maintain an output-meter indication of 1.25 volts.

VOLUME CONTROL: Set to maximum.

CRITICAL DRESS: The green lead from the osc. section of C1 to C5 must be dressed away from the chassis, with all excess under the chassis.*

DIAL POINTER: Turn tuning condenser to full-mesh position. Adjust pointer so that center of pointer carriage coincides with first scribe line from the left.

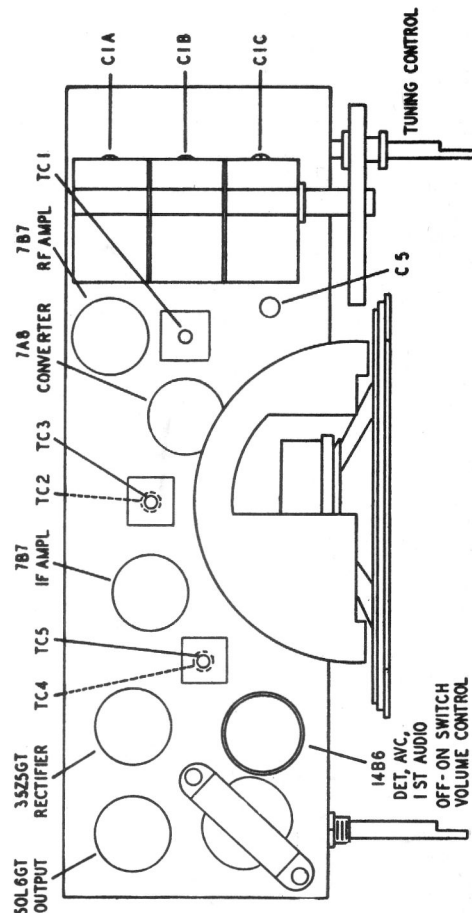
OUTPUT METER: Connect across speaker voice coil.

SIGNAL GENERATOR: Connect as indicated in chart. Use modulated output.

ALIGNMENT CHART

STEP	SIGNAL GENERATOR		RADIO	
	CONNECTION TO RADIO	DIAL SETTING	SPECIAL INSTRUCTIONS	ADJUST
1	Through a .1-mf. condenser to stator of r-f section of gang. Ground lead to B-.	460 kc.	Gang fully meshed.	TC5-2nd i-f sec. TC4-2nd i-f pri. TC3-1st i-f sec. TC2-1st i-f pri.
2	Radiating loop. (See note below.)			C5-osc. series
3	Same as step 2.	1620 kc.		C1B-osc. shunt
4	Same as step 2.	1500 kc.		C1C-r-f C1A-aerial
5	Same as step 2.	580 kc.		C5-osc. series TC1-r-f core
6	Repeat steps 3 and 4.			

RADIATING LOOP: Make up a 6-8 turn, 6-inch-diameter loop from insulated wire; connect to signal-generator leads and place near radio loop aerial. The loop aerial must be connected to the radio.



Top View, Showing Trimmer Locations