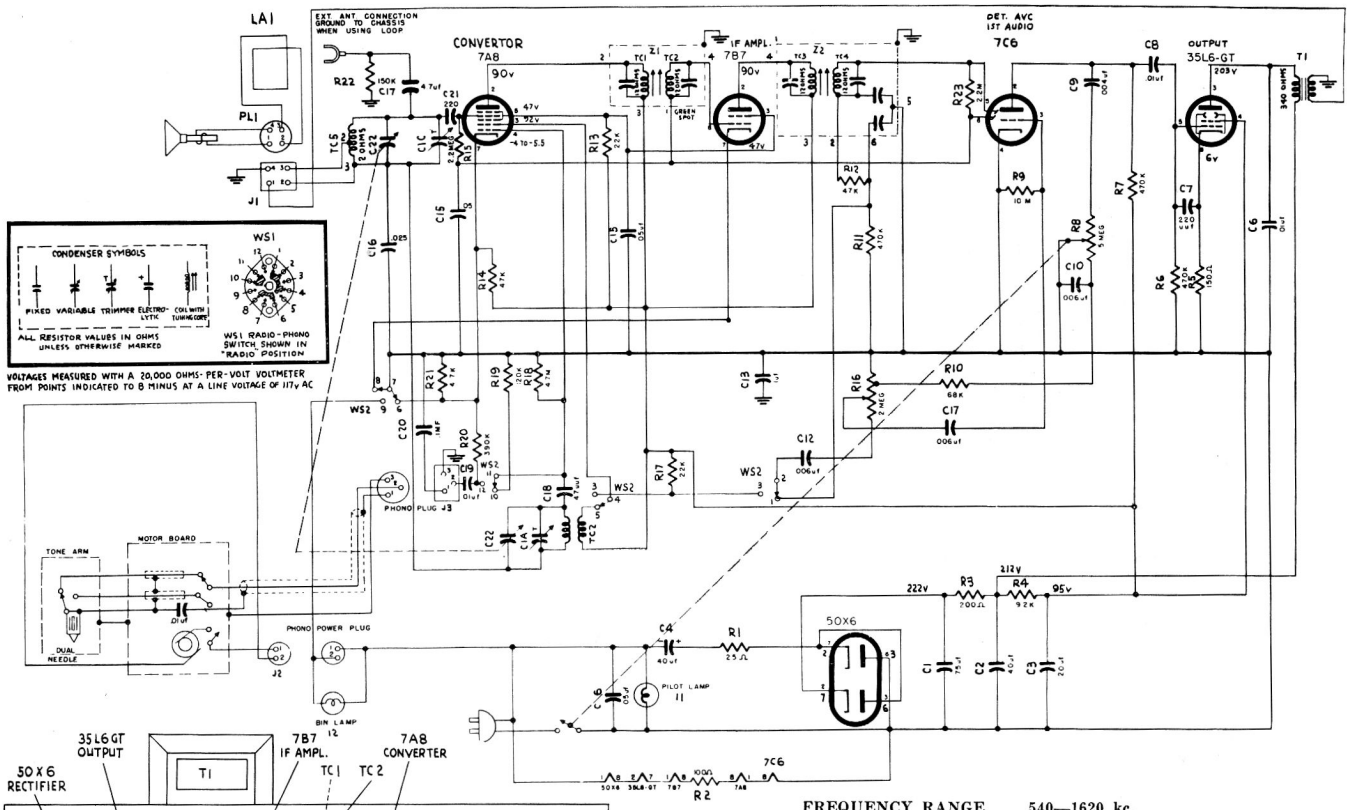

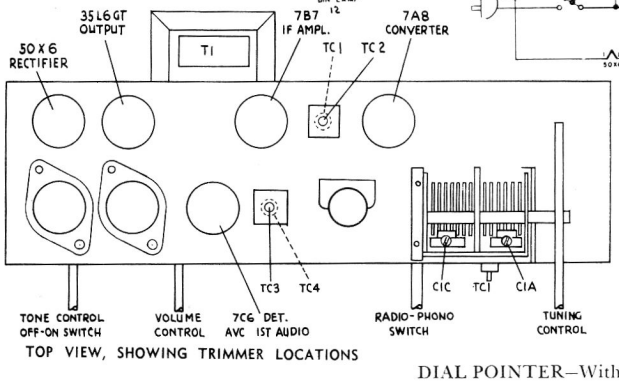

TOP VIEW, SHOWING TRIMMER LOCATIONS

FREQUENCY RANGE	**540—1620 kc.**
AUDIO OUTPUT	**3 watts**
POWER CONSUMPTION	
Radio	**50 watts**
Phonograph	**65 watts, total**
INTERMEDIATE FREQUENCY	**460 kc.**
PHONOGRAPH	**Philco Model M-20 All-Speed Automatic Record Changer.**

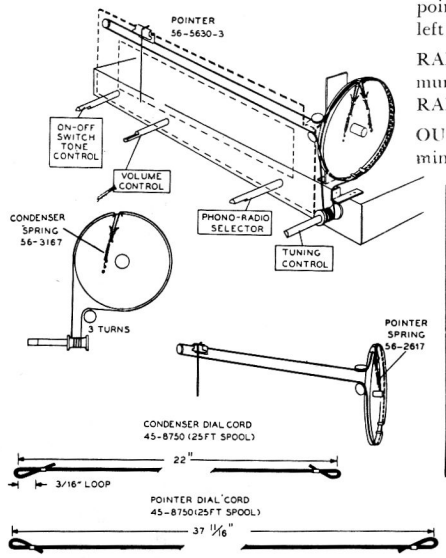

Figure 1. Drive-Cord Installation Details

ALIGNMENT PROCEDURE

DIAL POINTER—With tuning gang fully meshed, set pointer to coincide with the first scribe mark from the left on the dial backplate.

RADIO CONTROLS—Set volume control to maximum, tone control fully counterclockwise, and RADIO-PHONO switch to RADIO position.

OUTPUT METER—Connect across voice-coil terminals.

SIGNAL GENERATOR—Connect ground lead to B—. Connect output lead as indicated in chart. Use modulated output.

OUTPUT LEVEL—During alignment, attentuate input signal to maintain an output-meter indication of 1.25 volts.

STEP	SIGNAL GENERATOR		RADIO		ADJUST
	CONNECTION TO RADIO	DIAL SETTING	DIAL SETTING	SPECIAL INSTRUCTIONS	
1	Through a .1mf. condenser to r-f ampl. section of C1.	460 kc.	Gang fully meshed.	Adjust, in order given, for maximum output.	TC4—2nd i-f sec. TC3—2nd i-f pri. TC1—1st i-f sec. TC2—1st i-f pri.
2	Radiating loop (see note below).	1620 kc.	1620 kc.	Adjust for maximum.	C1A—osc. trimmer
3	Same as Step 2.	1500 kc.	1500 kc.	Adjust for maximum.	C1C—ant. trimmer
4	Same as Step 2.	580 kc.	580 kc.	Adjust for maximum while rocking tuning control.	TC1—ant. core*

RADIATING LOOP: Make up a 6-to-8 turn, 6-inch diameter loop of insulated wire; connect to signal-generator output leads, and place near radio loop.

* The aerial tuning core. TC1, should NOT be adjusted unless the coil has been replaced.