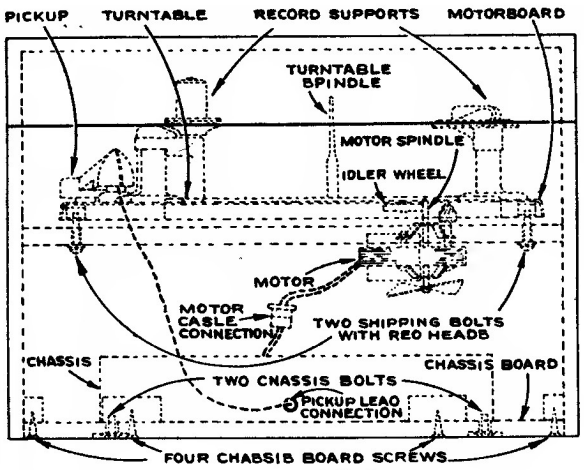
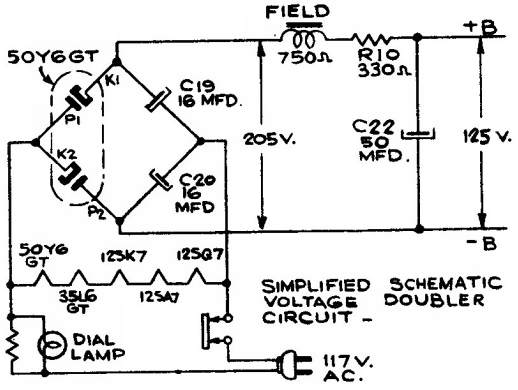


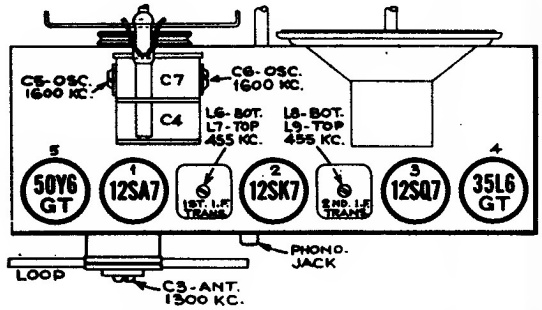
Cathode-Ray Alignment is the preferable method. Connections for the oscillograph are shown in the schematic diagram.

Output Meter Alignment.—If this method is used, connect the meter across the voice coil, and turn the receiver volume control to maximum.

Test-Oscillator.—For all alignment operations, connect the low side of the test-oscillator to the common negative, and keep the output as low as possible to avoid a-v-c action.

Steps	Connect the high side of test-oscillator to—	Tune test-osc. to—	Turn radio dial to—	Adjust the following for max. peak output
1	I-F grid, in series with .01 mfd.	455 kc	Quiet point 1,600 kc end of dial	L8 and L9 2nd I-F transformer
2	1st Det. grid in series with .01 mfd.			L6 and L7 1st I-F transformer
3	Ant. terminal in series with 200 mmfd.	1,600 kc	Gang at minimum	C5 (osc.) C6 (osc.)
4	Radiated signal 1,300 kc		Signal Frequency	C3 (ant.)
5	Repeat steps 3 and 4.			



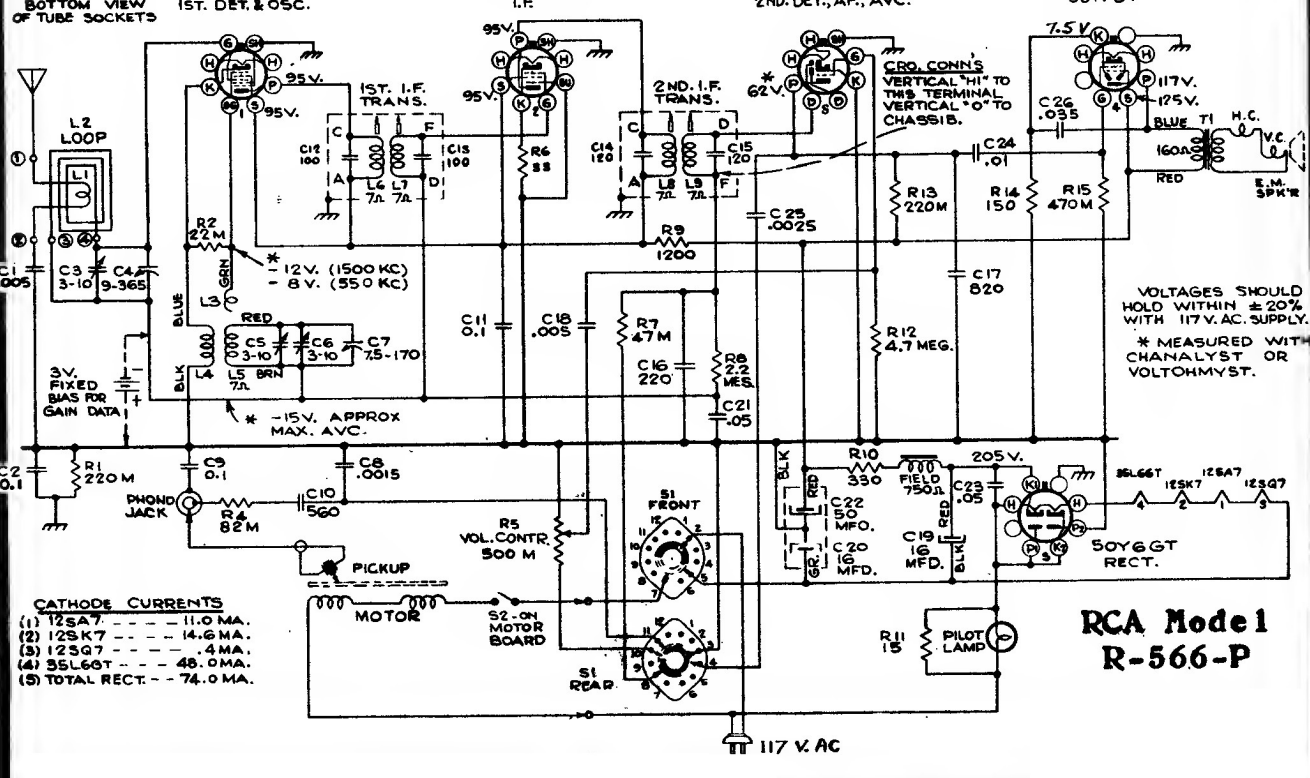


12X (600KC) | 50X (600-455KC) | 0.5X (455KC) | 200X (455 KC) | 1X (455 KC) | 40X (400 ~) | 12X (400 ~) | APPROX. GAIN DATA USING RCA RIDER CHANALYST

MEASURED WITH 3V. FIXED BIAS

BOTTOM VIEW OF TUBE SOCKETS

12SA7 1ST. DET. & OSC. | 12SK7 I.F. | 12SQ7 2ND. DET., AF., AVC. | 35L6GT OUTPUT



CATHODE CURRENTS
(1) 12SA7 - - - - 11.0 MA.
(2) 12SK7 - - - - 14.6 MA.
(3) 12SQ7 - - - - .4 MA.
(4) 35L6GT - - - 48.0 MA.
(5) TOTAL RECT. - - 74.0 MA.

RCA Model R-566-P