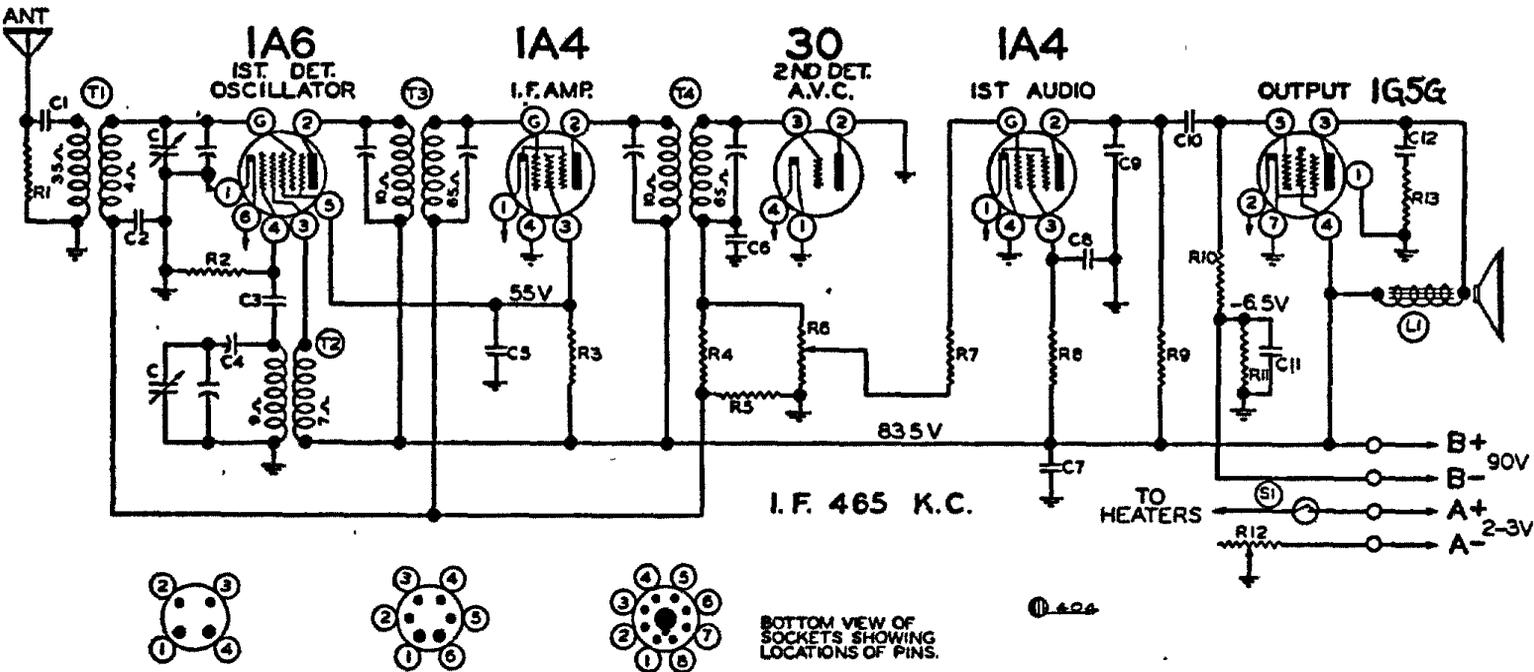


BELMONT RADIO CORP.



No.	Part No.	Description	Value	Power
<b>CONDENSERS</b>				
C	102-56	2 Gang Variable Condenser		
C1	100-11	.01 x 400 v.		25%
C2	100-22	.05 x 200 v.		20%
C3	129-12	.00025 Mica		20%
C4	124-14	Series Pad		
C5	100-9	.05 x 200 v.		25%
C6	129-5	.0001 Mica		20%
C7	100-48	.25 x 200 v.		20%
C8	100-9	.05 x 200 v.		25%
C9	129-2	.0005 Mica		20%
C10	100-11	.01 x 400 v.		25%
<b>RESISTORS</b>				
R11	130-93	450 ohm - 1/3 w.		10%
R12	101-44	475 ohm Rheostat		20%
R13	130-52	50M ohm - 1/3 w.		20%
R1	130-17	10M ohm - 1/3 w.		20%
R2	130-52	50M ohm - 1/3 w.		20%
R3	130-17	10M ohm - 1/3 w.		20%
R4	130-38	2 megohm - 1/3 w.		20%
R5	130-38	2 megohm - 1/3 w.		20%
R6	101-69	1 megohm Volume Control		20%
R7	130-52	50M ohm - 1/3 w.		20%
R8	130-19	1 megohm - 1/3 w.		20%
R9	130-9	200M ohm - 1/3 w.		20%
R10	130-19	1 megohm - 1/3 w.		20%

**ALIGNING I.F. TRANSFORMERS: (465 K.C.)**

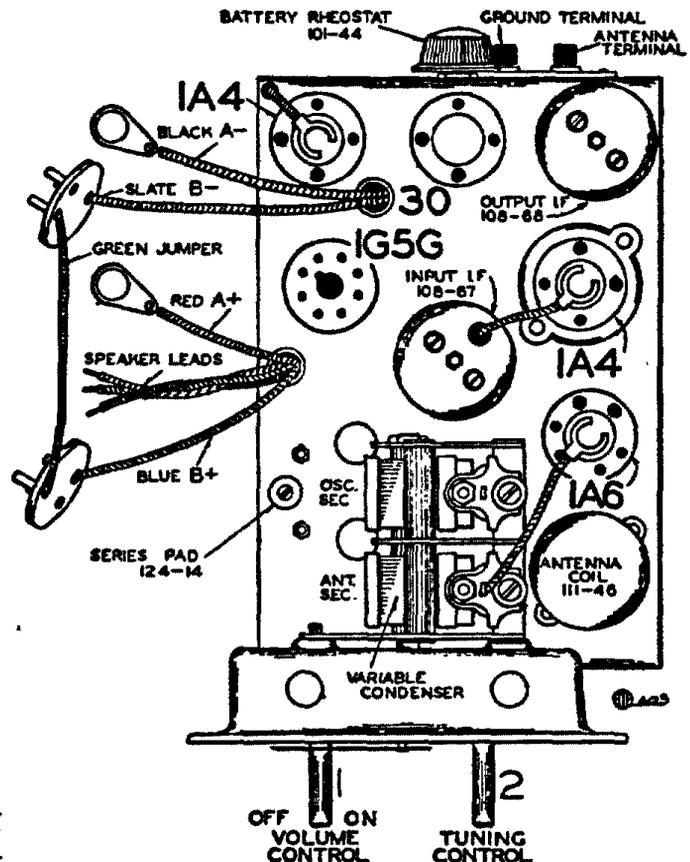
- With volume control full on and with variable condenser at its minimum capacity position, plates entirely out of mesh, and with external oscillator set at 465 K.C. connected in series with a .1 mfd. condenser, to the grid of the 1A6 tube (cap at top of tube), adjust I.F. transformers, parts number 108-67 and 108-68, to resonance. Both of these transformers have two (2) adjustments each, they are accessible from the tops of the cans (for location see top view).  
Use as a resonance indicator an output meter connected across the outside terminals of the speaker or by means of an adapter to the plate and screen of the type 1G5G output tube. Maximum deflection of the volt meter indicates resonance. Use only enough signal to get a readily readable output. A low range output meter or the low scale of a multi-range meter should be used.

**BROADCAST BAND ALIGNMENT:**

- Set external oscillator to 1720 K.C. and connect it in series with a 200 mmfd. condenser to the antenna and ground posts.
  - With variable condenser in its minimum capacity position, plates entirely out of mesh, adjust oscillator trimmer (rear section of variable condenser) to resonance.
  - Re-set external oscillator to 1400 K.C. Rotate variable condenser, pick up signal and adjust antenna trimmer (front section of variable condenser) to resonance.
  - Re-set external oscillator to 600 K.C., move dial pointer to 600 K.C., and adjust series pad, part number 124-14 (see top view), to resonance. While making this adjustment, slowly rock variable condenser to and fro until maximum output is obtained.
  - Check for sensitivity at 1400, 1000, 600 K.C. DO NOT BEND PLATES.

Frequency Range 535-1720 Kilocycles

**TOP VIEW MODEL 523B**



FOR BEST OPERATION THIS RECEIVER MUST HAVE AN OUTSIDE AERIAL NOT OVER FIFTY FEET LONG INCLUDING THE LEAD IN.