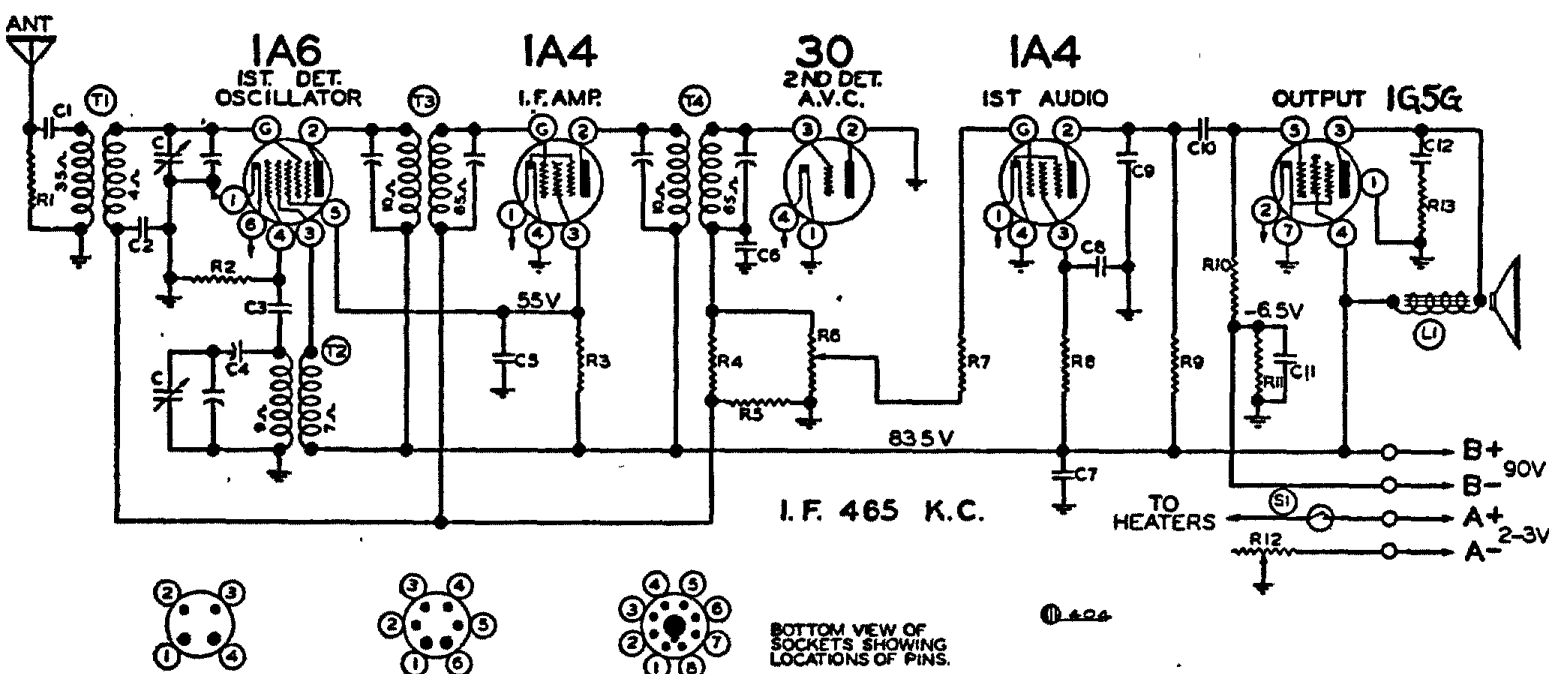


BELMONT RADIO CORP.



No.	Part No.	Description	C11 119-22	10.0 mfd. x 25 w. v.		R11 130-93	450 ohm - 1/3 w.	10%
CONDENSERS			C12 100-11	.01 x 400 v.	25%	R12 101-44	475 ohm Rheostat	
C	102-56	2 Gang Variable Condenser				R13 130-52	50M ohm - 1/3 w.	20%
RESISTORS								
C1	100-11	.01 x 400 v.	25% R1 130-17	10M ohm - 1/3 w.	20%	PARTS		
C2	100-22	.05 x 200 v.	25% R2 130-52	50M ohm - 1/3 w.	20%	T1 111-46	Antenna Coil Complete	
C3	129-12	.00025 Mica	20% R3 130-17	10M ohm - 1/3 w.	20%	T2 110-36	Oscillator Coil Complete	
C4	124-14	Series Pad	R4 130-38	2 megohm - 1/3 w.	20%	T3 108-67	Input I.F. Coil Complete	
C5	180-9	.05 x 200 v.	25% R5 130-38	2 megohm - 1/3 w.	20%	T4 108-68	Output I.F. Complete	
C6	129-5	.0001 Mica	20% R6 101-69	1 megohm Volume Control		L1 114-76	6" P. M. Speaker	
C7	100-48	.25 x 200 v.	20% R7 130-52	50M ohm - 1/3 w.	20%	L1 114-19	Speaker - 6" Magnetic	
C8	100-9	.05 x 200 v.	25% R8 130-19	1 megohm - 1/3 w.	20%	S1	Switch on Volume Control	
C9	129-2	.0005 Mica	20% R9 130-9	200M ohm - 1/3 w.	20%			
C10	100-11	.01 x 400 v.	25% R10 130-19	1 megohm - 1/3 w.	20%			

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

1. 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 adaptor 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:

1. Set external oscillator to 1720 K.C. and connect it in series with a 200 mmfd. condenser to the antenna and ground posts.
 - (a) With variable condenser in its minimum capacity position, plates entirely out of mesh, adjust oscillator trimmer (rear section of variable condenser) to resonance.
 - (b) 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.
 - (c) 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.
 - (d) Check for sensitivity at 1400, 1000, 600 K.C. DO NOT BEND PLATES.

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

Frequency Range 535-1720 Kilocycles

TOP VIEW MODEL 523B

