

Belmont Radio Corp.

Model: 513, Series A

Chassis:

Year: Pre June 1940

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

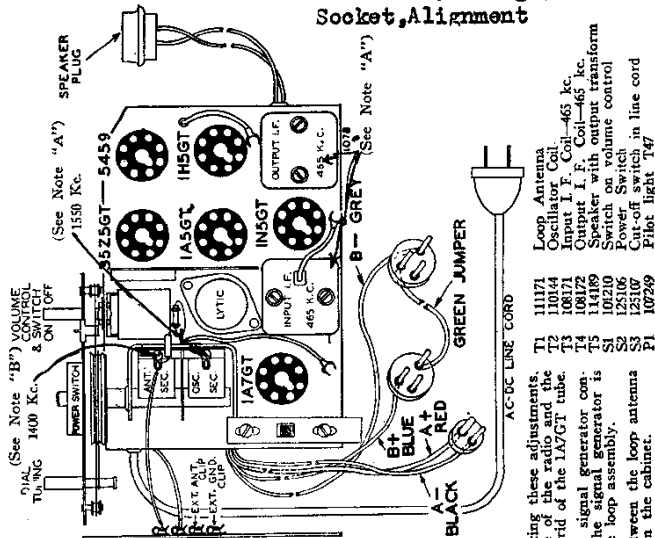
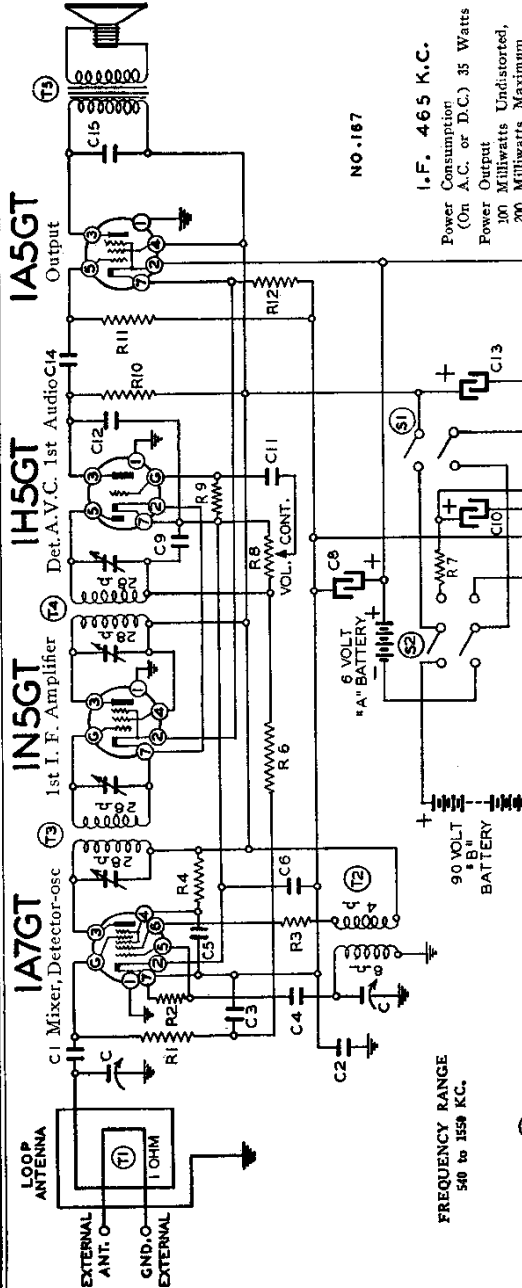
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BELMONT RADIO CORP.

MODELS 507, 513, Series A
Serial 211,300 and up
Schematic, Voltage, Trimmers
Socket, Alignment

Circuit Diagram Part No.	Resistor Part No.	Value
R1	13038	2 megohm - 1/2 w.
R2	13036	1M ohm - 1/2 w.
R3	13038	2 megohm - 1/2 w.
R4	13028	40M ohm - 1/2 w.
R5	13028	40M ohm - 1/2 w.
R6	130170	3 megohm - 1/2 w.
R7	130129	2500 ohm - 1/2 w.
R8	10210	1 megohm volume control
R9	13027	1 megohm - 1/2 w.
R10	13027	1 megohm - 1/2 w.
R11	13038	2 megohm - 1/2 w.
R12	13021	1M ohm - 1/2 w.

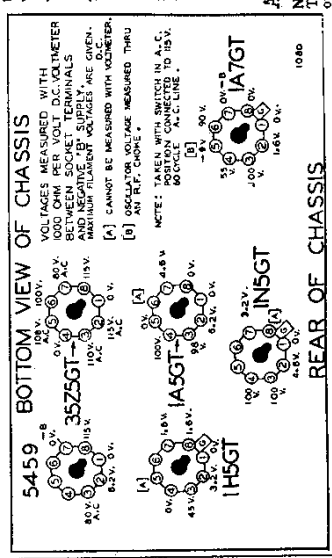
Circuit Diagram Part No.	Capacitor Part No.	Value
C1	100125	2 .0025 variable condenser
C2	12912	2 mid. x 400 v.
C3	10010	2 mid. x 200 v.
C4	12912	2 .0025 x 200 v.
C5	1009	.05 x 200 v.
C6	10020	.1 x 200 v.
C7	10011	.01 x 400 v.
C8	19104	Lytic 200 mfd. x 6 w. v.
C9	1295	1000. mid. x 150 w. v.
C10	10024	1000. mid. x 150 w. v.
C11	10025	1000. mid. x 150 w. v.
C12	1292	.002 x 60 v.
C13	19104	Lytic 20 mfd. x 150 w. v.
C14	10011	.01 x 400 v.
C15	10021	.02 x 600 v.



**MODELS 507 and 513
SERIES A**

Ballast 5459

Ballast 3525GT



resistances of coil windings are indicated in ohms on the schematic circuit diagram.

To check for open by-pass condensers, shunt each condenser with another condenser of the same capacity and voltage rating, which is known to be good, until the defective unit is located.

The approximate current consumption is as follows:
"A" - 50 ma., "B" - 8 ma.

ALIGNMENT NOTES

NOTE "A" - The loop antenna need not be connected to the radio when making these adjustments. The ground of the signal generator is connected to the negative "B" wire of the grid of the 1A7GT tube. Other lead from the signal generator in series with .1 MFD. dummy to the grid of the 1A7GT tube.

NOTE "B" - This adjustment should be made with the ground lead of the signal generator connected to the ground terminal of the loop assembly. The other lead of the signal generator is connected in series with a 200 Mimi. dummy to the antenna terminal of the loop assembly.

It is important when making this adjustment that the same distance between the loop antenna and the chassis be maintained as when the chassis and loop are installed in the cabinet.

SERVICE NOTES -

Voltages taken from different points of circuit to chassis are measured with volume control full on, all