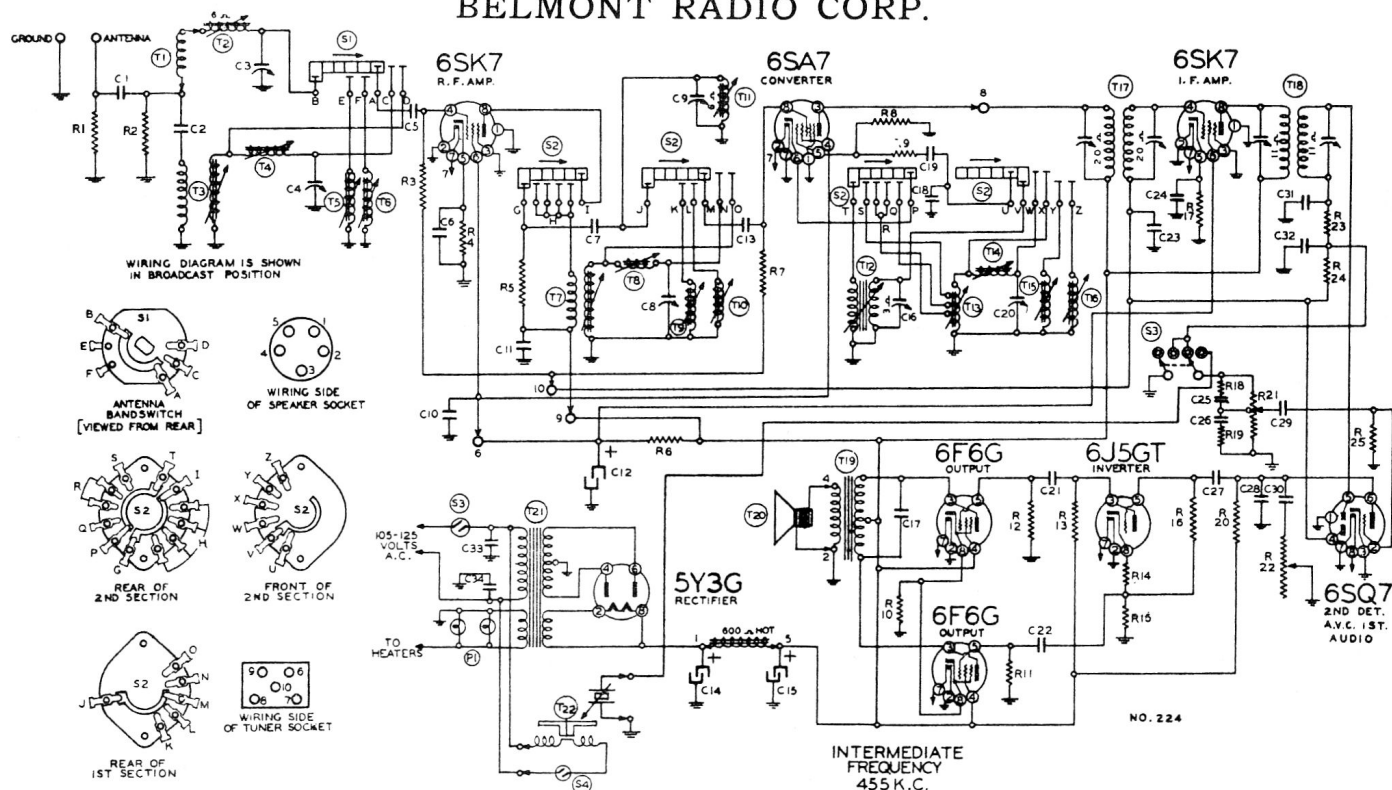


BELMONT RADIO CORP.



RESISTORS

R1	1301	25M ohm— $\frac{1}{2}$ w.
R2	1301	25M ohm— $\frac{1}{2}$ w.
R3	13019	1 megohm— $\frac{1}{2}$ w.
R4	130239	250 ohm— $\frac{1}{2}$ w.
R5	130218	5M ohm— $\frac{1}{2}$ w.
R6	10662	12,500 ohm—3 w.
R7	13019	1 megohm— $\frac{1}{2}$ w.
R8	130232	25M ohm— $\frac{1}{2}$ w.
R9	130174	50 ohm— $\frac{1}{2}$ w.
R10	130220	300 ohm—1 w.
R11	1303	500M ohm— $\frac{1}{2}$ w.
R12	1303	500M ohm— $\frac{1}{2}$ w.
R13	130103	100M ohm— $\frac{1}{2}$ w.
R14	130218	5M ohm— $\frac{1}{2}$ w.
R15	130103	100M ohm— $\frac{1}{2}$ w.
R16	13019	1 megohm— $\frac{1}{2}$ w.
R17	13070	500 ohm— $\frac{1}{2}$ w.
R18	13011	250M ohm— $\frac{1}{2}$ w.
R19	130149	15M ohm— $\frac{1}{2}$ w.
R20	13011	250M ohm— $\frac{1}{2}$ w.
R21	101253	$\frac{1}{2}$ megohm—volume control
R22	101254	1 megohm—tone control
R23	13012	50M ohm— $\frac{1}{2}$ w.
R24	1304	3 megohm— $\frac{1}{2}$ w.
R25	130257	5 megohm— $\frac{1}{2}$ w.

CONDENSERS

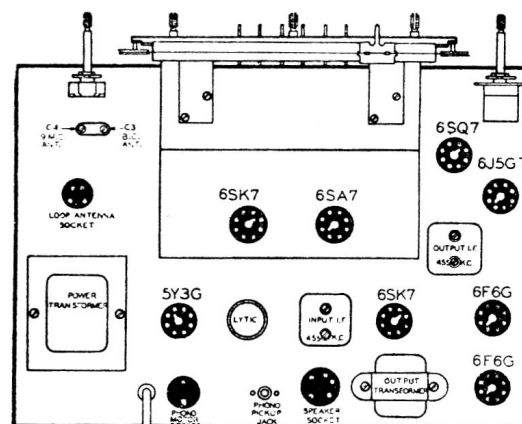
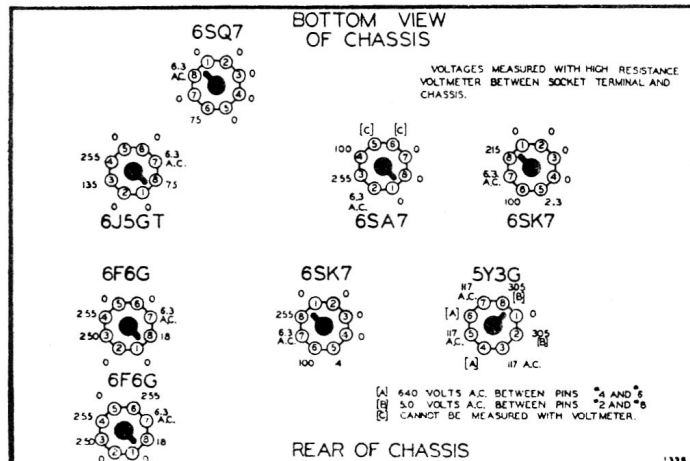
C1	1292	.0005 mica
C2	10047	.002 x 600 v.
C3	124143	B.C. antenna trimmer
C4	124143	9 mc. antenna trimmer
C5	1292	.0005 mica
C6	10020	.1 x 200 v.
C7	129168	.0001 mica
C8	124138	9 mc. R.F. trimmer
C9	124139	B.C. R.F. trimmer
C10	10074	.1 x 400 v.
C11	10074	.1 x 400 v.
C12	119109	10.0 x 350 w.v. lytic
C13	1292	.0005 mica
C14	119109	15.0 x 450 w.v. lytic
C15	119109	15.0 x 450 w.v. lytic
C16	124144	B.C. oscillator trimmer
C17	10071	.004 x 600 v.
C18	129167	.0002 Silver mica
C19	129165	.00005 mica
C20	124145	9 mc. osc. trimmer
C21	10085	.05 x 400 v.
C22	10085	.05 x 400 v.
C23	10026	.02 x 400 v.
C24	10020	.1 x 200 v.
C25	129114	.0003 mica
C26	100122	.03 x 200 v.
C27	10026	.02 x 400 v.
C28	12921	.0002 mica
C29	10019	.006 x 600 v.
C30	10019	.006 x 600 v.
C31	129165B	.00005 mica
C32	129165B	.00005 mica
C33	10061	.02 x 600 v. Bakelite
C34	10061	.02 x 600 v. Bakelite

C3 and C4 are in the same unit
C12 and C14 and C15 are in the same unit

PARTS

T1	111238	Loop ant. assembly
T2	111195	B.C. ant. coil
T3	111190	9 mc. ant. coil
T4	111189	6 mc. ant. coil
T5	111191	12 mc. ant. coil
T6	111192	15 mc. ant. coil

BOTTOM VIEW OF CHASSIS

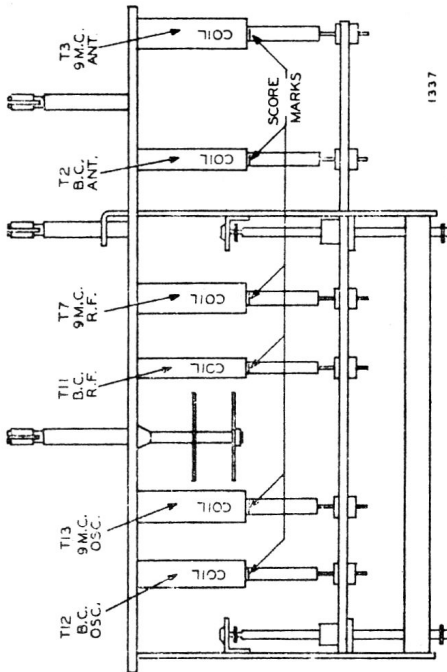


T7	10959	9 mc. R.F. coil
T8	10958	6 mc. R.F. coil
T9	10960	12 mc. R.F. coil
T10	10961	15 mc. R.F. coil
T11	10962	B.C. R.F. coil
T12	110161	B.C. oscillator coil
T13	110157	9 mc. oscillator coil
T14	110156	6 mc. oscillator coil
T15	110158	12 mc. oscillator coil
T16	110159	15 mc. oscillator coil
T17	108177	Input I.F. coil 455 kc.
T18	108176C	Output I.F. coil 455 kc.

The following equipment is required for alignment:

- An all wave signal generator which will provide an accurately calibrated signal at the test frequencies as listed.
- Output indicating meter.
- Non-metallic screwdriver.
- Dummy antennas—1 mf., 200 mmf., and 400 ohms.

BAND	SIGNAL GENERATOR				Dial Pointer Setting	Trimmers Adjusted in Order Shown	Trimmer Function	Adjustment
	Frequency Setting	Dummy Antenna	Connection to Radio	Position of Band Switch				
I. F.	455 Kc.	.1 MFD.	Grid of 6SK7 (I.F.)	Broadcast	Set Dial at 1600 Kc.	Two Trimmers on Top	Output I. F.	Adjust to maximum output
	455 Kc.	.1 MFD.	Grid of 6SA7	Broadcast	Set Dial at 1600 Kc.	Two Trimmers on Top	Input I. F.	Adjust to maximum output
31 METER BAND	9.6 Mc.	400 ohms.	Antenna lead	31M	Set Dial at 9.6 Mc.	(See Trimmer View) C20 (See Trimmer View) C8 (See Trimmer on Top) C4	Osc. R. F. Ant.	Adjust to maximum output
49 METER BAND	6.1 Mc.	400 ohms.	Antenna lead	49M	Set Dial at 6.1 Mc.	(See Trimmer View) T14 (See Trimmer View) T8 (See Trimmer View) T4	Osc. R. F. Ant.	Adjust to maximum output
25 METER BAND	11.8 Mc.	400 ohms.	Antenna lead	25M	Set Dial at 11.8 Mc.	(See Trimmer View) T15 (See Trimmer View) T9 (See Trimmer View) T5	Osc. R. F. Ant.	Adjust to maximum output
19 METER BAND	15.2 Mc.	400 ohms.	Antenna lead	19M	Set Dial at 15.2 Mc.	(See Trimmer View) T16 (See Trimmer View) T6	Osc. R. F. Ant.	Adjust to maximum output
BROAD-CAST BAND	1600 Kc.	200 mmf.	Antenna lead	Broadcast	Set Dial at 1600 Kc.	(See Trimmer View) C16 (See Trimmer View) C9 (See Trimmer on Top) C3	Osc. R. F. Ant.	Adjust to maximum output
	1400 Kc.	200 mmf.	Antenna lead	Broadcast	Set Dial at 1400 Kc.	Rotate Core T11 Rotate Core T2 (See Iron Core Adjustment View)	R. F. Ant.	Adjust to maximum output

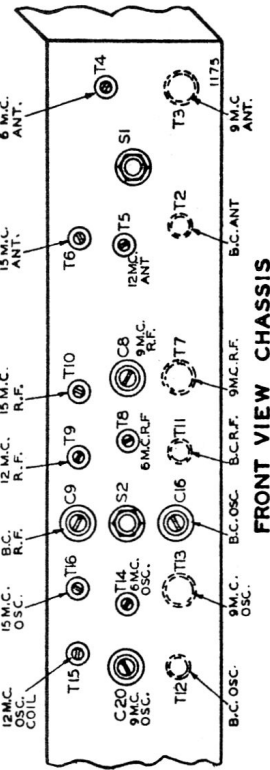


Do not realign the band spread scales unless you are positive they are out of adjustment. When adjustment is necessary proceed as follows.

Rotate each iron core until the fine

score marks are even with the edge of the coil forms.

You are now ready to continue with the trimmer adjustments as shown on the alignment chart.



Power Consumption, Radio only - - - 100 Watts
 Power Output - - - 5 Watts Undistorted
 Sensitivity for 500 Milliwatt Output: 10 Microvolts Average
 Selectivity - 35 KC Broad at 1000 Times Signal at 1000 KC
 Tuning Frequency Range Broadcast Band - 540 to 1600 KC
 49M Band - - - 5.9 to 6.1 MC
 31M Band - - - 9.1 to 10 MC
 25M Band - - - 11.4 to 12.1 MC
 19M Band - - - 14.9 to 15.4 MC
 Intermediate Frequency - - - 455 KC
 Speaker - - - 12 in. Electro Dynamic