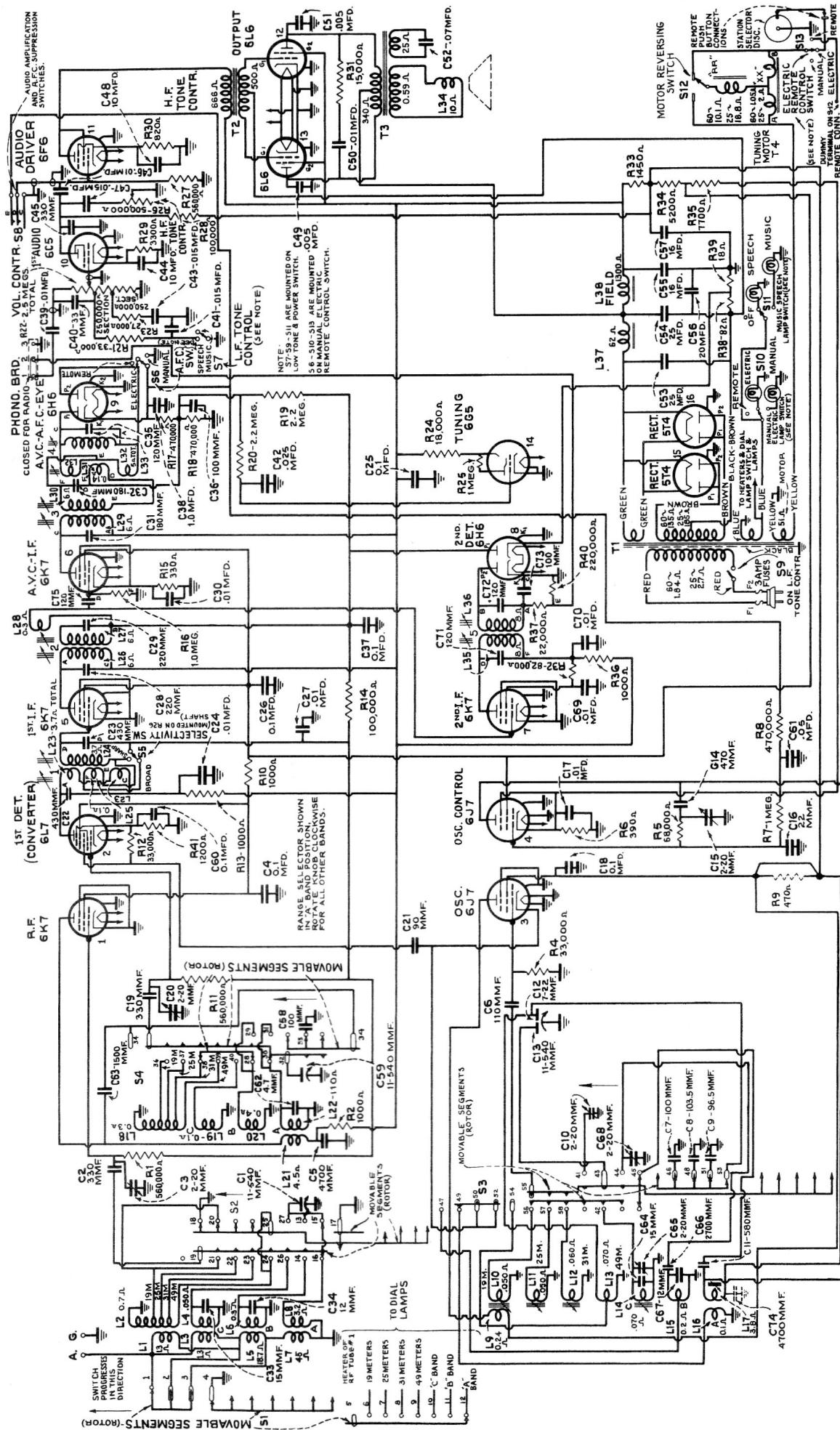


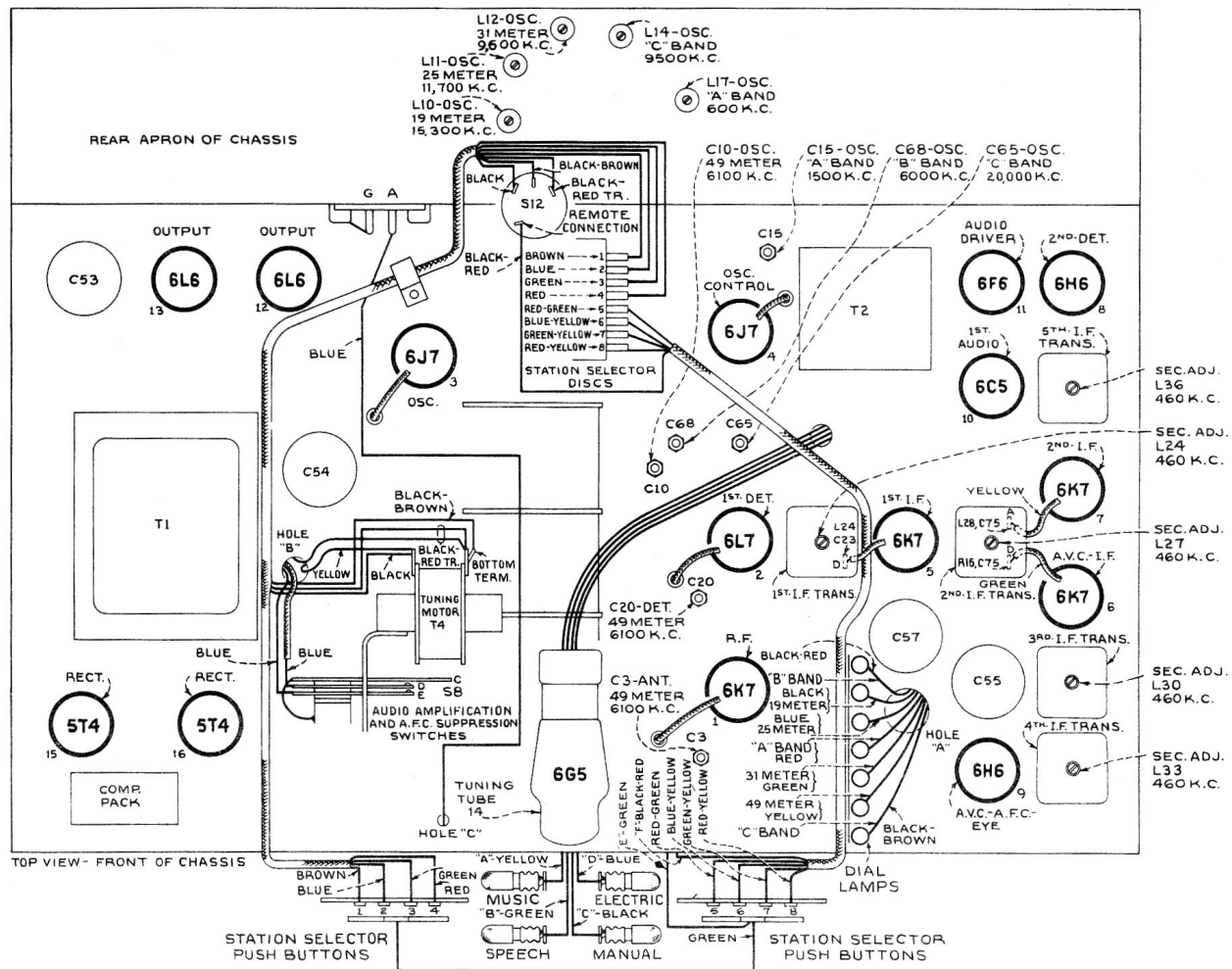
Model 816K A.C. Receiver



ALIGNMENT PROCEDURE

Order of Alignment	Test Oscillator			Range-Selector	Receiver Dial Setting	Circuit to Adjust	Adjustment Symbols	Adjust to Obtain
	Connection to Receiver	Dummy Antenna	Frequency Setting					
1	—	—	—	—	—	4th I-F Trans.	L33	Turn Extreme Counter-clockwise
2	No. 6 6K7 Eye I-F Grid Cap	.001 Mfd.	460 kc	"Standard Broadcast"	No Signal 550-750 kc	3rd I-F Trans.	L29 and L30	Min. Eye
3	No. 5 6K7 1st I-F Grid Cap	.001 Mfd.	460 kc	"Standard Broadcast"	No Signal 550-750 kc	2nd I-F Trans.	L26 and L27	Min. Eye
4	No. 2 6L7 Det. Grid Cap	.001 Mfd.	460 kc	"Standard Broadcast"	No Signal 550-750 kc	1st I-F Trans.	L23 and L24	Min. Eye
5	No. 2 6L7 Det. Grid Cap	.001 Mfd.	460 kc	"Standard Broadcast"	No Signal 550-750 kc	5th I-F Trans.	L35 and L36	Max. (peak)
6	Ant. Term.	300 Ohms	6,000 kc _a	"49M."	6.0 mc	"49M." Osc.	C10	Min. Eye _b
7	Ant. Term.	300 Ohms	6,100 kc	"49M."	6.1 mc	"49M." Osc.	C10	Min. Eye
8	Ant. Term.	300 Ohms	6,100 kc	"49M."	6.1 mc	"49M." Det.	C20	Min. Eye
9	Ant. Term.	300 Ohms	6,100 kc	"49M."	6.1 mc	"49M." Ant.	C3	Min. Eye
10	Ant. Term.	300 Ohms	1,200 kc _c	"31M."	9.6 mc	"31M." Osc.	L12	Min. Eye _d
11	Ant. Term.	300 Ohms	1,300 kc	"25M."	11.7 mc	"25M." Osc.	L11	Min. Eye _e
12	Ant. Term.	300 Ohms	1,700 kc	"19M."	15.3 mc	"19M." Osc.	L10	Min. Eye _f
13	Ant. Term.	300 Ohms	20,000 kc	"S.W."	20 mc	"S.W." H-F Osc. ("C")	C65	Min. Eye _g
14	Ant. Term.	300 Ohms	9,500 kc	"S.W."	9.5 mc	"S.W." L-F Osc. ("C")	L14	Min. Eye _h
15	Ant. Term.	300 Ohms	20,000 kc	"S.W."	20 mc	"S.W." H-F Osc. ("C")	C65	Min. Eye
16	Ant. Term.	300 Ohms	6,000 kc	"M.W."	6.0 mc	"M.W." Osc. ("B")	C68	Min. Eye
17	Ant. Term.	200 Mmfd.	1,500 kc	"Standard Broadcast"	1,500 kc	"A" H-F Osc.	C15	Min. Eye
18	Ant. Term.	200 Mmfd.	600 kc	"Standard Broadcast"	600 kc	"A" L-F Osc.	L17	Min. Eye
19	Ant. Term.	200 Mmfd.	1,500 kc	"Standard Broadcast"	1,500 kc	"A" H-F Osc.	C15	Min. Eye
20	Proceed to A-F-C Discriminator Adjustments Outlined Below							

Use minimum capacity peak if two peaks can be obtained from 1,000 kc harmonics.
Refer to "Spread-band Adjustments" below for Test Oscillator setting for adjustments 10, 11 and 12.
To check for correct harmonic carefully set Test Oscillator to 1,600 kc using Crystal Calibrator. Signal should be indicated by "Magic Eye" in "31M." band near 9.6 mc.
To check for correct harmonic carefully set Test Oscillator to 900 kc using Crystal Calibrator. Signal should be indicated by "Magic Eye" in "25M." band near 11.7 mc.
To check for correct harmonic carefully set Test Oscillator to 900 kc using Crystal Calibrator. Signal should be indicated by "Magic Eye" in "19M." band near 15.3 mc.
After this adjustment, check for image signal by shifting receiver dial to 19.08 mc. (19,080 kc).
Check for image at 8.58 mc. (8,580 kc).



Radiotron, Coil, and Trimmer Locations