

ALIGNMENT PROCEDURE FOR MODELS 141-144

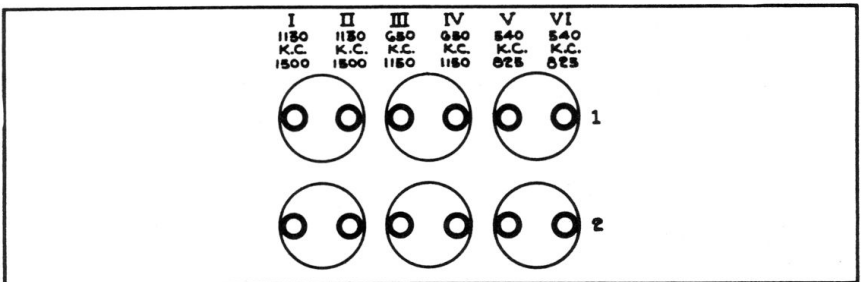
BAND SW. SETTING	CONNECT S.G. TO	INPUT FREQ.	DIAL SETTING	ADJUST TRIMMER	TRIMMER FUNCTION	ADJUSTMENT REMARKS
* BC BAND	CAP OF 6A8	462.5 KC		BOTTOM & TOP ALIGNERS ON NO. 2 & NO. 1 IF'S IN ORDER		MAXIMUM OUTPUT
** BC BAND	A & G TERM.	1600 KC	1600 KC	C25	OSC.	ADJUST TO TUNE SIGNAL
BC BAND	A & G TERM.	1600 KC	1600 KC	C5	R.F.	ADJUST FOR MAX. OUTPUT
BC BAND	A & G TERM.	580 KC	580 KC	C26	OSC. PADDER	ADJUST & ROCK GANG
MED. WAVE	A & G TERM.	12 MC	12 MC	C24	OSC.	ADJUST TO TUNE SIGNAL
MED. WAVE	A & G TERM.	12 MC	12 MC	C4	R.F.	ADJUST FOR MAX. OUTPUT
SHORT WAVE	A & G TERM.	21 MC	21 MC	C23	OSC.	ADJUST TO TUNE SIGNAL
SHORT WAVE	A & G TERM.	21 MC	21 MC	C3	R.F.	ADJUST FOR MAX. OUTPUT

* I.F. ALIGNMENT

Short oscillator section of gang capacitor through a 0.1 mfd capacitor. For VISUAL ALIGNMENT the oscilloscope should connect between the bus-wire lead protruding through the chassis base alongside the 6H6 tube and chassis. Adjust for overlapping double image of maximum amplitude.

** R.F. ALIGNMENT

Check setting of dial indicator before proceeding with R.F. alignment. With gang at maximum, edge of pointer should be set at last mark at extreme left of dial.



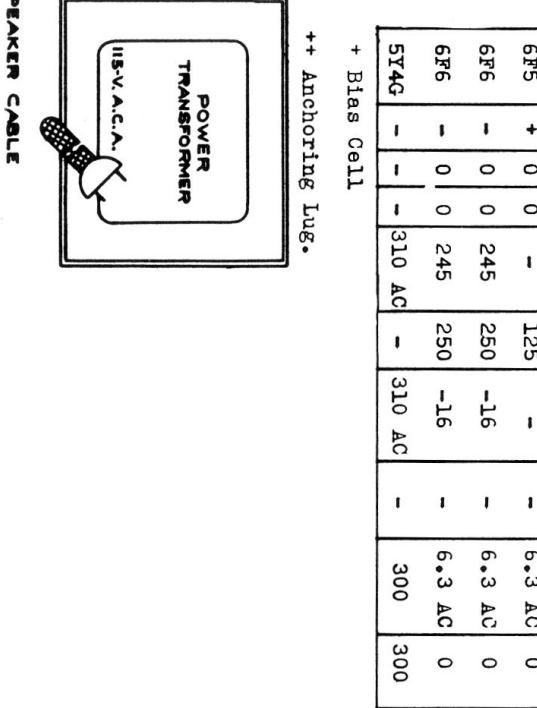
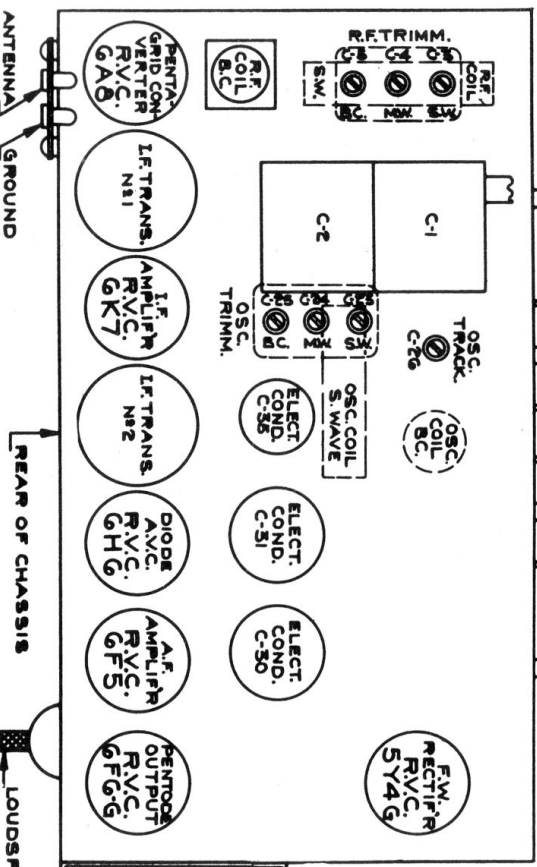
SECTION SELECTOR

BUTTONS

VOLUME CONTROL

WAVE CHANGE SWITCH

TONE CONTROL ON-OFF SWITCH



VOLTAGE READINGS SOCKET PINS TO CHASSIS

TUBE	CAP	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
6A8	+	0	0	250	105	-8	215	6.3 AC	0
6X7	+	0	0	250	105	0	-	6.3 AC	0
6H6	-	0	0	0	0	0	++250	6.3 AC	0
6F5	+	0	0	-	125	-	-	6.3 AC	0
6F6	-	0	0	245	250	-16	-	6.3 AC	0
6F6	-	0	0	245	250	-16	-	6.3 AC	0
5Y4G	-	-	-	310 AC	-	310 AC	-	300	300

+ Bias Cell

++ Anchoring Lug.