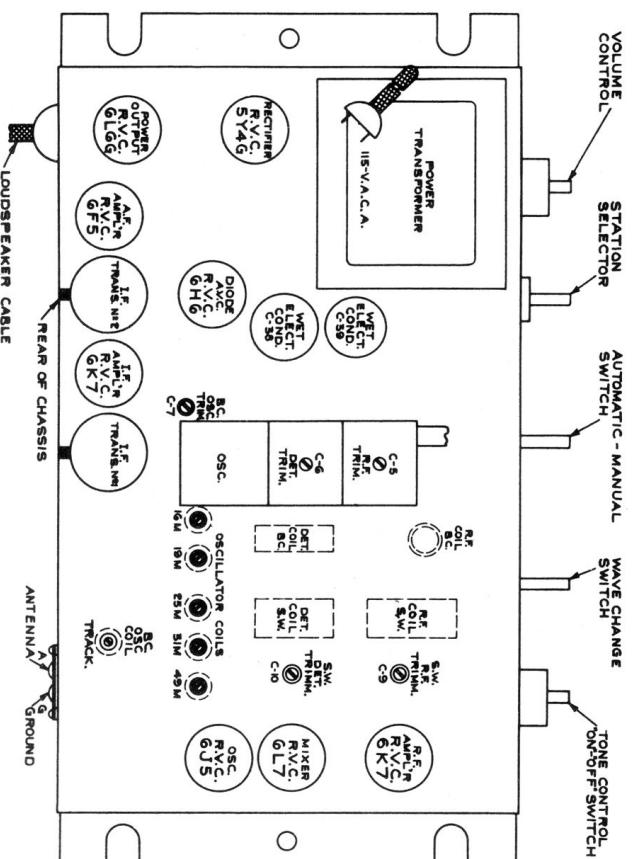
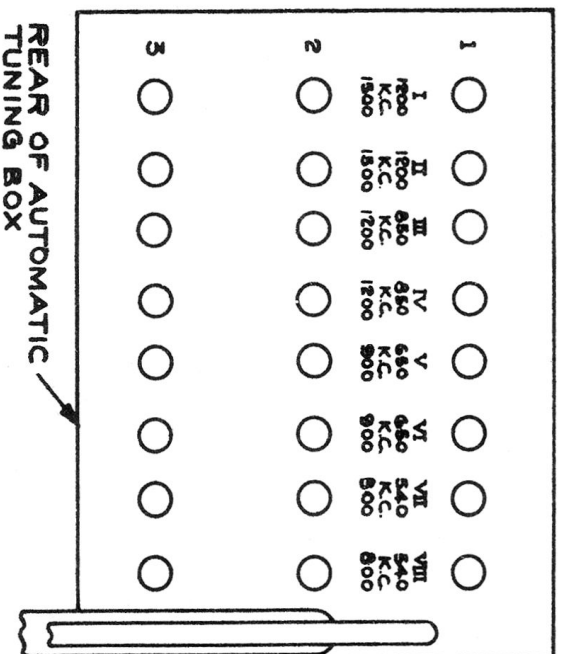




Marconi Model 138

VOLTAGE READINGS SOCKET PINS TO CHASSIS

TUBE	CAP	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
6K7-RF	0	0	0	225	120	0	-	6.3 AC	0
6L7	0	0	0	240	120	4.25	-	6.3 AC	6.5
6J5	-	0	0	90	-	-5.75	0	6.3 AC	0
6K7-IF	0	0	0	240	100	0	-	6.3 AC	0
6H6	-	0	0	0	-	0	-	6.3 AC	0
6F5	+	0	0	-	130	-	-	6.3 AC	0
6L6G	-	0	0	220	235	-5.75	-	6.3 AC	0
5Y4G	-	-	-	310 AC	310 AC	-	-	300	300

ALIGNMENT PROCEDURE FOR MODEL 138

BAND SW. SETTING	CONNECT S.G. TO	INPUT FREQ.	RECEIVER DIAL	ADJUST TRIMMER	TRIMMER FUNCTION	ADJUSTMENT REMARKS
+						
B.C.BAND	CAP OF 6L7	462.5 KC		BOTTOM & TOP ALIGNERS ON NO. 2 & NO. 1 IF'S IN ORDER		MAXIMUM OUTPUT
25 M.BAND	A & G TERM.	11.7 MC	11.7 MC	25 M. OSC. ALIGNER		ADJUST TO TUNE SIGNAL
25 M.BAND	CAP 6K7 RF	11.7 MC	11.7 MC	C10 25 M. DET. TRIMMER		ADJUST FOR MAX. OUTPUT
25 M.BAND	A & G TERM.	11.7 MC	11.7 MC	C9 25 M. R.F. TRIMMER		ADJUST FOR MAX. OUTPUT
++						
B.C. BAND	A & G TERM.	1600 KC	1600 KC	C7	B.C. OSC.	ADJUST FOR MAX. OUTPUT
B.C. BAND	A & G TERM.	1600 KC	1600 KC	C6	B.C. DET.	ADJUST FOR MAX. OUTPUT
B.C. BAND	A & G TERM.	1600 KC	1600 KC	C5	B.C., R.F.	ADJUST FOR MAX. OUTPUT
B.C. BAND	A & G TERM.	580 KC	580 KC	B.C.	OSC. ALIGNER	ADJUST & ROCK GANG
49 M.BAND	A & G TERM.	6 MC	6 MC	29 M.	OSC. ALIGNER	ADJUST TO TUNE SIGNAL
31 M.BAND	A & G TERM.	9.6 MC	9.6 MC	31 M.	OSC. ALIGNER	ADJUST TO TUNE SIGNAL
19 M.BAND	A & G TERM.	15.2 MC	15.2 MC	19 M.	OSC. ALIGNER	ADJUST TO TUNE SIGNAL
16 M.BAND	A & G TERM.	18 MC	18 MC	16 M.	OSC. ALIGNER	ADJUST TO TUNE SIGNAL

+ Bias Cell

I.F. ALIGNMENT: Osc. section of gang should be shorted through a 0.1 mfd capacitor. For oscilloscope alignment connect oscilloscope input across R15. Adjust for overlapping double image of max. amplitude.

++ R.F. ALIGNMENT: Before proceeding with R.F. alignment check setting of dial indicator. With gang cap-actor fully meshed, indicator should be set directly over last graduation mark at left of dial.