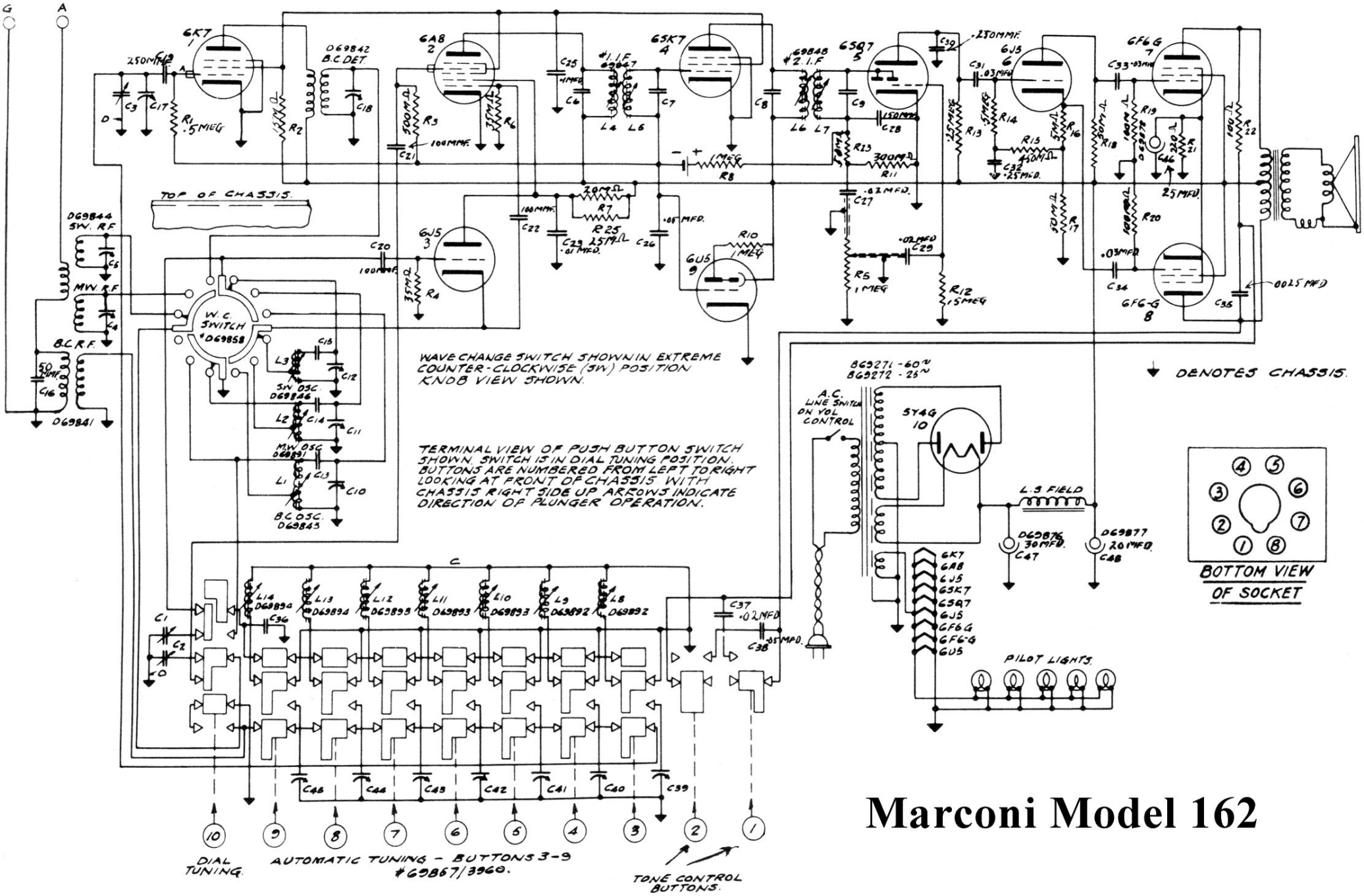

Marconi Model 162

ALIGNMENT PROCEDURE MODEL 162

BAND SW SETTING	CONNECT S.G. OUTPUT TO	INPUT FREQUENCY	REC. DIAL SETTING	DRUM IND. SETTING	ADJUST	CIRCUIT RESONATED	REMARKS
+ BC	Cap of 6A8	462.5 KC	++		Cores L7, L6,L5,L4	IF Input & Output	Max. Output
++ BC	A & G	1600 KC	160	162	C10	BC Osc.	Resonate
BC	A & G	1600 KC	160	162	C18	BC Det.	Max. Output
BC	A & G	1600 KC	160	162	C17	BC R.F.	Max. Output
BC	A & G	580 KC	58	23.6	Core L1	BC Osc.	Rock Gang
MW	A & G	6 MC	6 MC	153	C11	MW Osc.	Resonate
MW	A & G	6 MC	6 MC	153	C4	MW R.F.	Max. Output
MW	A & G	2.5 MC	2.5 MC	33.4	Core L2	MW Osc.	Rock Gang
SW	A & G	20 MC	20 MC	157	C12	SW Osc.	Resonate
SW	A & G	20 MC	20 MC	157	C5	SW R.F.	Max. Output
SW	A & G	8 MC	8 MC	36.2	Core L3	SW Osc.	Rock Gang

+ I.F. ALIGNMENT: Short osc. section of gang capacitor through 0.1 Mfd. For oscillograph alignment, connect oscillograph input across R5. Adjust for overlapping double image of maximum aplitude.

++Before proceeding with R.F. Alignment, see that dial pointer is set over last graduation mark at low frequency end (Gang to be at maximum capacity). It is also important to see that the "Dial Tuning" button is depressed.

If the chassis is realigned in the cabinet, the above dial settings may be followed. If, however,the chassis is removed, the dial scale is left attached to the cabinet. In order to guide servicemen working under the latter circumstances, a scale calibrated in 180 degrees has been attached to the back of the dial drum. A pointer should be improvised from a piece of stiff wire and with the gang capacitor set at maximum capacity (plates fully meshed) the improvised pointer should be set to 0 degrees. The Drum Indicator readings shown in the alignment chart can then be followed. After chassis has been realigned and installed in the cabinet, set dial pointer to last calibration mark on low frequency end with gang capacitor at maximum and clip same to drive cord.

AUTOMATIC PUSH BUTTON CONTROLS

This instrument is fitted with ten push-button controls the functions of which are as follows, from left to right:-

TONE CONTROL: The two buttons on extreme left permit four different tone combinations as follows:

High Tone - Both Buttons Out.
Medium Tone - Depress "Medium Tone" Button
Low Tone - Depress "Low Tone" Button.
Extra Bass Tone - Depress both buttons.

AUTOMATIC STATION SELECTION

Seven button, permeability tuned type,covering the following frequencies:

3rd Button tunes between 535-900 K.C.
4th Button tunes between 535-900 K.C.
5th Button tunes between 650-1130 K.C.
6th Button tunes between 650-1130 K.C.
7th Button tunes between 650-1130 K.C.
8th Button tunes between 900-1500 K.C.
9th Button tunes between 900-1500 K.C.

DIAL TUNING BUTTON

The 10th button marked "Dial Tuning" must be depressed when you wish to use "Manual" station selector.

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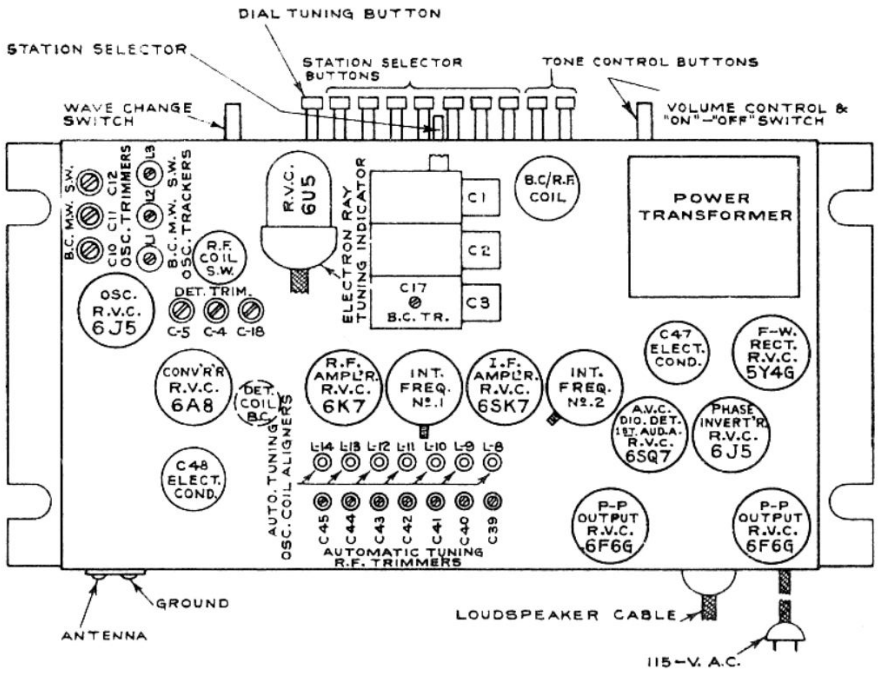

VOLTAGE READINGS SOCKET PINS TO CHASSIS

TUBE	CAP	1	2	3	4	5	6	7	8
6K7		0	0	235	105	0	-	6.3AC	0
6A8		0	0	235	105	-3.5	140	6.3AC	0
6J5		0	0	140	-	0	-	6.3AC	0
6SK7		0	0	0		0	105	6.3AC	235
6SQ7		0	-0.4	0	0	0	105	6.3AC	0
6J5		0	0	175	-	-0.5	-	6.3AC	55
6F6G		0	0	225	235	0	-	6.3AC	13
6F6G		0	0	225	235	0	-	6.3AC	13
5Y4G		-		340 AC	-	340 AC	-	300	300

Used as anchoring lug.

Indicates bias cell in circuit. Use no-current voltmeter.