

Marconi Models 187, 188, 188A

VOLTAGE READINGS SOCKET PINS TO CHASSIS

TUBE	1	2	3	4	5	6	7	8
6SA7	0	0	250	100	-6	0	6.3 AC	0
6SK7	0	0	0	0	0	100	6.3 AC	250
6SQ7	0	0	0	0	0	120	6.3 AC	0
6PF6	0	0	250	250	0	-	6.3 AC	17
6PF6	0	0	250	250	0	-	6.3 AC	17
5Y4G	-	*	320 AC	-	320 AC	-	300	300

* Used as anchoring lug only.

Above readings are approximate and may vary depending on line voltage and resistance of voltmeter used.

Readings are taken on lowest scale of meter that will accommodate the voltage under test, with re-celver switched to broadcast band, volume and tone controls at maximum and gang capacitor at maximum.

AUTOMATIC PUSH-BUTTON CONTROLS:

This receiver is fitted with fourteen push-button controls, the functions of which are as follows:-

TO NE CONTROLS:

The two buttons on the extreme left marked "Medium Tone" & "Low Tone" permit four different tone combinations which are obtained as follows:-

High Tone..... Both Buttons out
Medium Tone..... Depress Button marked "Medium Tone"
Low Tone..... Depress Button marked "Low Tone"
Extra Bass Tone..... Depress Both Tone Buttons

WAVE BAND SWITCH:

The following wave bands may be selected by depressing the button with the corresponding marking:-

Broadcast..... 539-1530 K.C.
49 Metres..... 5950-6250 K.C.
31 Metres..... 9450-9750 K.C.
25 Metres..... 11650-11950 K.C.
19 Metres..... 15050-15400 K.C.

ON-OFF SWITCH:

The receiver will switch on when any of the Wave-Band or Automatic Station Buttons are depressed. To switch receiver "Off", depress extreme right hand button marked "Off".

AUTOMATIC STATION SELECTOR:

Six-button, permeability tuned type, covering the following frequencies:-

3rd Button tunes stations between ----- 540-800 K.C.
4th Button tunes stations between ----- 840-800 K.C.
5th Button tunes stations between ----- 650-1000 K.C.
6th Button tunes stations between ----- 650-1000 K.C.
7th Button tunes stations between ----- 900-1500 K.C.
8th Button tunes stations between ----- 900-1500 K.C.

Alignment Procedure Marconi Models 187, 188, 188A

ANT. LOOP SW. POS.	BAND SW SETTING	CONNECT TO	INPUT FREQUENCY	DIAL SETTING	DRUM IND.	ADJUST	CIRCUIT RESONATED	REMARKS
	# BC	**C, G, 6SA7	462.5 KC			I9, I8, I7, I6	IF Input & Output	Max. Output
Ant.	* BC	A & G	1400 KC	1400 KC	155.4	C4	BC Osc.	Resonate
Ant.	BC	A & G	1400 KC	1400 KC	155.4	C13	BC R.F.	Max. Output
Ant.	BC	A & G	580 KC	580 KC	15.4	L5	BC Osc.	Rock Gang
Loop	BC	A & G	1400 KC	1400 KC	155.4	C5	Ant.	Max. Output
Ant.	49M.	A & G	6.1 MC	6.1 MC	87.2	I4	49M. Osc.	Resonate
Ant.	49M.	A & G	6.1 MC	6.1 MC	87.2	C10	49M. R.F.	Rock Gang
Ant.	31M.	A & G	9.6 MC	9.6 MC	86.5	L3	31M. Osc.	Resonate
Ant.	31M.	A & G	9.6 MC	9.6 MC	86.5	C9	31M. R.F.	Rock Gang
Ant.	25M.	A & G	11.8 MC	11.8 MC	85	I2	25M. Osc.	Resonate
Ant.	25M.	A & G	11.8 MC	11.8 MC	85	C8	25M. R.F.	Rock Gang
Ant.	19M.	A & G	15.2 MC	15.2 MC	69.5	I1	19M. Osc.	Resonate
Ant.	19M.	A & G	15.2 MC	15.2 MC	69.5	C7	19M. R.F.	Rock Gang

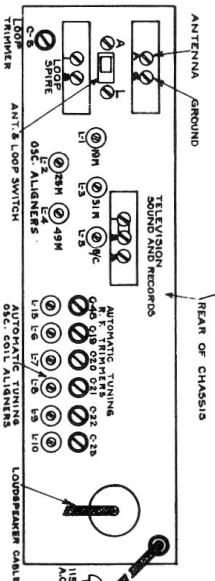
1.F. ALIGNMENT: Short osc. section of gang capacitor through 0.1 Mfd. For oscillograph alignment, connect oscillograph input across R4. Adjust for overlapping double image of maximum amplitude.

* 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).

** Lug on R.F. section of gang forms a convenient point of connection.

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 service men 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 cabinet set Dial Pointer to last calibration mark on low frequency end with gang capacitor at maximum and clip same to drive cord.

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