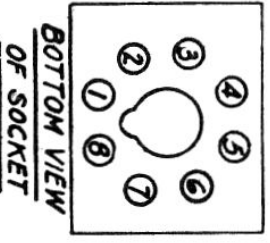


ROTARY SWITCH SHOWN
 IN COUNTER-CLOCKWISE
 POSITION.
 KNOB END VIEW IS SHOWN
 WITH CHASSIS RIGHT
 SIDE UP.
 TERMINAL VIEW OF P.B.
 SWITCH PLUNGERS
 NUMBERED FROM LEFT
 TO RIGHT LOOKING AT
 FRONT OF CHASSIS.
 WITH CHASSIS RIGHT
 SIDE UP.
 ARROWS INDICATE
 DIRECTION OF PLUNGER
 OPERATION.
 P.B. SWITCH IN MANUAL
 POSITION.
 ROTARY SWITCH IN
 S.W. POSITION.

Marconi Models 156, 166



BOTTOM VIEW OF SOCKET

AUTOMATIC TUNING

This receiver is fitted with a four-button permeability tuned automatic station selector. It will be observed that the 5th (extreme right) button, marked "Dial Tuning" operates a switch which either opens or closes the gang capacitor connections to the R.F. and Oscillator coils. It is therefore necessary to depress this switch when using the "Manual Station Selector". The switch in question will release automatically when one of the Automatic Station Selector buttons are used. The following is the frequency coverage of each automatic circuit from LEFT to RIGHT:-

- 1st Button.....535-900 K.C.
- 2nd Button.....650-1130 K.C.
- 3rd Button.....650-1130 K.C.
- 4th Button.....900-1500 K.C.

VOLTAGE READINGS SOCKET PINS TO CHASSIS

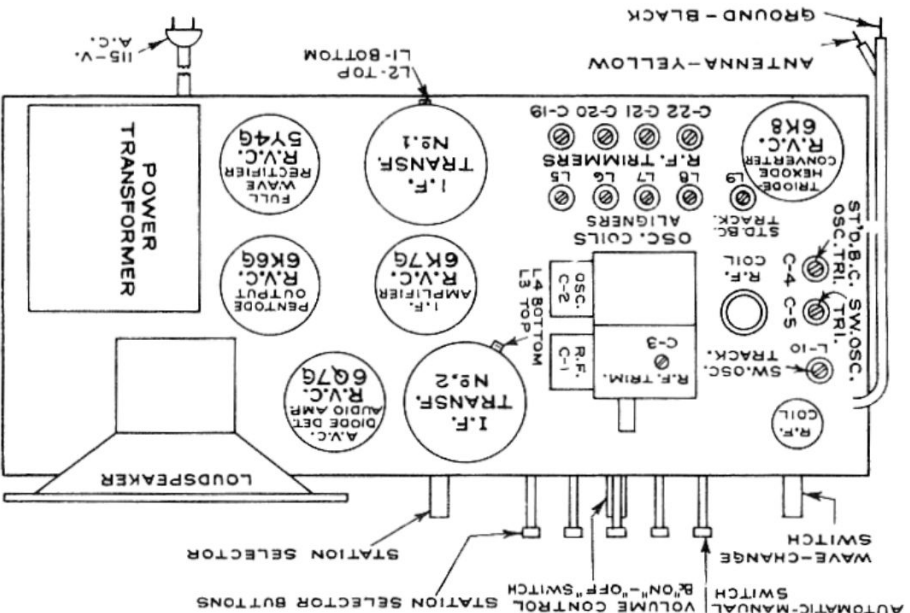
TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
6X8	0	0	160	100	-3	100	6.3 AC	0
6K7G	0	0	160	75	0	+	6.3 AC	0
6Q7G	0	0	70	-0.25	-0.25	+	6.3 AC	0
6K6G	0	0	150	160	0	+	6.3 AC	10
5Y4G	-	+	235 AC	-	235 AC	-	210	210

+ Used as anohoring lug.
Above readings are approximate and will vary depending on the resistance of the voltmeter used.
Readings are taken on lowest scale that will accommodate the voltage under test, with receiver on broadcast band, volume control at maximum and gang capacitor at maximum.

ALIGNMENT PROCEDURE

SET BAND SWITCH TO	CONNECT S.G. OUTPUT TO	INPUT FREQUENCY	DIAL SETTING	ADJUST	CIRCUIT RESONATED	REMARKS
B.C.	C.G. 6X8	462.5 KC	+	IF Cores L4, L3, L2 & L1	IF Input & Output	Max. Output
++ B.C.	A & G	1600 KC	160	C4	B.C. Osc.	Resonate
B.C.	A & G	1600 KC	160	C3	B.C. RF	Max. Output
B.C.	A & G	580 KC	58	Core L9	B.C. Osc.	Rock Gang (BC Osc. Padder)
S.W.	A & G	16 MC	16 MC	C5	S.W. Osc.	Max. Output
S.W.	A & G	6 MC	6 MC	Core L10	S.W. Osc.	Rock Gang (SW OSC. Padder)

+ Short Osc. Section of gang through 0.1 Mfd.
++ Before proceeding with R.F. Alignment see that dial pointer is set to last calibration Mark with gang at maximum capacity.



Marconi Models 156, 166