



Marconi Model 112

SWITCH #63058 - SHOWN IN B.C. POS. VIEWED FROM FRONT (SPINDLE END)

PILOT LIGHT

BOTTOM VIEW OF VALVE SOCKETS SHOWN DENOTES CHASSIS SHIELDED LEAD.



PROCEDURE FOR RE-ALIGNING I.F. TRANSFORMERS

- (1) Short oscillator section of tuning capacitor through a 0.1 mfd capacitor.
- (2) Supply a modulated 462.5 K.C. signal from a test oscillator to the control grid cap of the 6A8 converter tube leaving the grid connector in place.
- (3) Adjust in order G12, G11, G10 and G9 for maximum output.

PROCEDURE FOR RE-ALIGNING BROADCAST BAND

- (1) Check setting of pointer. First of all ascertain that the pointer shaft is located centrally in the hole provided in the dial plate.
- (2) With gang capacitor at maximum (i.e., plates meshed), the top of the pointer should be set to coincide with the lower edge of the last radial line on the right hand side of the dial.
- (3) Rotate tuning control until pointer is at 1600 K.C.
- (4) Supply a 1600 K.C. signal from a test oscillator to the aerial and ground leads.
- (5) Adjust broadcast oscillator trimmer C3 to tune in the 1600 K.C. signal.
- (6) Adjust R.F. trimmer C4 for maximum output.
- (7) Shift test oscillator to 580 K.C.
- (8) Rotate tuning control until the 580 K.C. signal is reached.
- (9) Adjust B.C. Oscillator tracking capacitor C6 while rocking the gang capacitor to and fro past the signal until the combination of adjustments giving the greatest output is obtained.

PROCEDURE FOR RE-ALIGNING S.W. BAND

- (1) Turn wave change switch to short wave (i.e., to the left).
- (2) Set pointer to 40th division of S.W. band.
- (3) Set test oscillator to 9600 K.C.
- (4) Adjust S.W. oscillator trimmer C5 to tune in the 9600 K.C. signal.

NOTE:- A variation in calibration of plus or minus 5 degrees is permissible, when making above S.W. adjustment. Also note that the S.W. oscillator trimmer should be set on the low frequency side of the signal frequency (i.e., 9600 K.C. minus 462.5 K.C.).

Marconi Model 112 Alignment Instructions

TUBE	CAP	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
6A8 Converter	**	0	275	65	-11.5	80	6.3 AC	0
6K7 I.F. Amp.	**	0	275	65	0	-	6.3 AC	0
6Q7 Diode	**	0	95	0	0	-	6.3 AC	0
6F6 Output	-	0	240	270	0	-	6.3 AC	16
5Y4G Rectifier	-	-	300 AC	-	300 AC	-	345	345

** Control grid readings should not be taken except with a no-current voltmeter, in order to avoid shorting bias cells.

