

Marconi Model 99

ALIGNMENT OF INTERMEDIATE FREQUENCY TRANSFORMERS

Set gang capacitor at minimum capacity and supply a modulated 462.5 K.C. signal from a test oscillator to the control grid cap of the 6A8 converter tube through a 0.1 mfd. capacitor leaving the grid connector in place. Adjust in order C8, C7 and C6 for maximum output. This operation should be checked to ascertain that maximum output has been obtained.

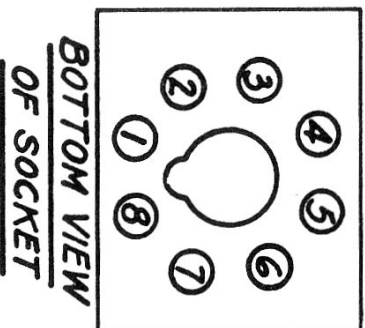
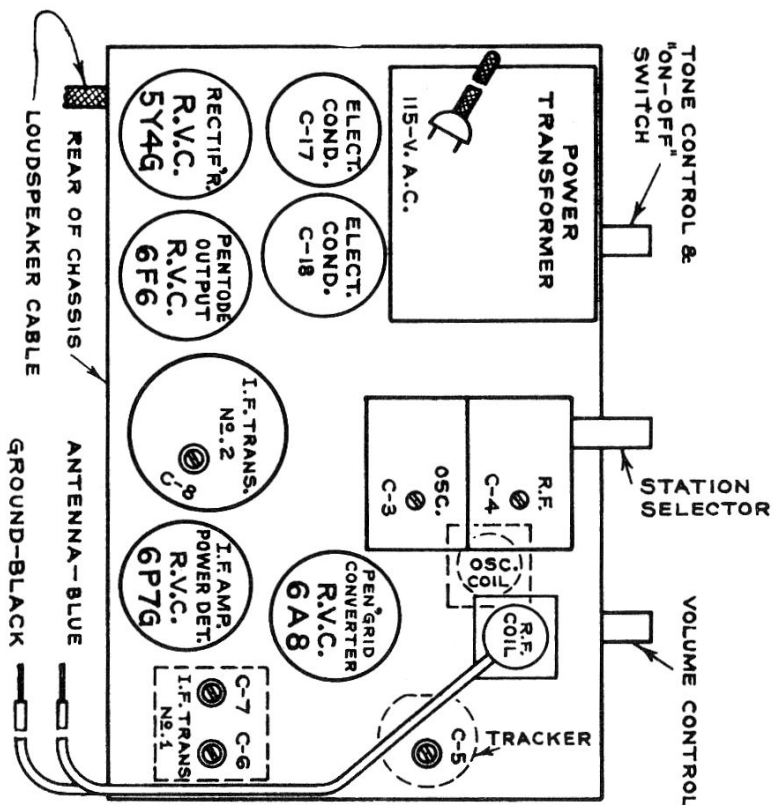
ALIGNMENT OF BROADCAST BAND

- (1) Check setting of pointer. With gang capacitor at maximum, the pointer should be set midway between the last two radial lines at the left hand side of dial scale.
- (2) Rotate tuning knob until pointer is at 1600 K.C.
- (3) Supply 1600 K.C. signal from test oscillator to the aerial and ground leads using a standard dummy antenna.
- (4) Adjust oscillator trimmer C4 to tune the 1600 K.C. signal.
- (5) Adjust R.F. trimmer C3 for maximum output.
- (6) Shift test oscillator to 580 K.C.
- (7) Rotate tuning capacitor until the 580 K.C. signal is reached.
- (8) Adjust oscillator tracking capacitor C5 while rocking the gang capacitor to and fro past the signal until the combination of adjustments giving the greatest reading of the output meter is obtained.
- (9) Recheck at 1600 K.C.

	CAP	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
RVC 6A8 Pent- agrid Converter	0	0	280	100	0	100	6.3 AC	3.6
RVC 6P7G I.F. Amp & Triode Det.	0	0	6.3 AC	280	100	135	0	13.5
RVC 6F6 Pentode Output	0	0	265	280	-16	-	6.3 AC	0
RVC 5Y4G Full Wave Rectifier	-	-	380 AC	-	380 AC	-	280	280

All readings taken with 20,000 ohms per volt, meter,
Volume control at maximum, gang capacitor at maximum.

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**BOTTOM VIEW
OF SOCKET**