

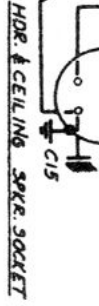
# Marconi Model 95 Automobile Radio

M = 1,000,000 OHMS  
 K = 1,000 OHMS  
 ALL CAPACITORS MFD  
 EXCEPT AS LISTED PF  
 (PF = MMFD)

C19 = 4 & 8 300V  
 C15 = 250PF



R.F. CHOKES  
 L7 L8  
 C17 .5 C16 .5



## ALIGNMENT

Every Marconi receiver is balanced, and the sensitivity measured on accurate crystal controlled signal generators before leaving the factory, and unless a part is changed, or the receiver otherwise altered, the adjustment should not be tampered with.

When alignment is thus required, an accurately calibrated service oscillator and output meter are essential.

The proper procedure is as follows:—

“A” Connect the service oscillator to the control grid of the 6A8 tube and the chassis.

Connect the output meter across the primary of the speaker transformer.

Set the service oscillator to 252.5 K.C., and adjust the trimmers on the I.F. transformers for the greatest output reading. These adjustments should be repeated several times using as weak an input signal as possible so as to obtain greater accuracy.

“B” Change the service oscillator lead from the grid of the 6A8 to the antenna connection. A male Delco Remy connector may be used in making a connection to the antenna lead.

Set the service oscillator at 1400 K.C.

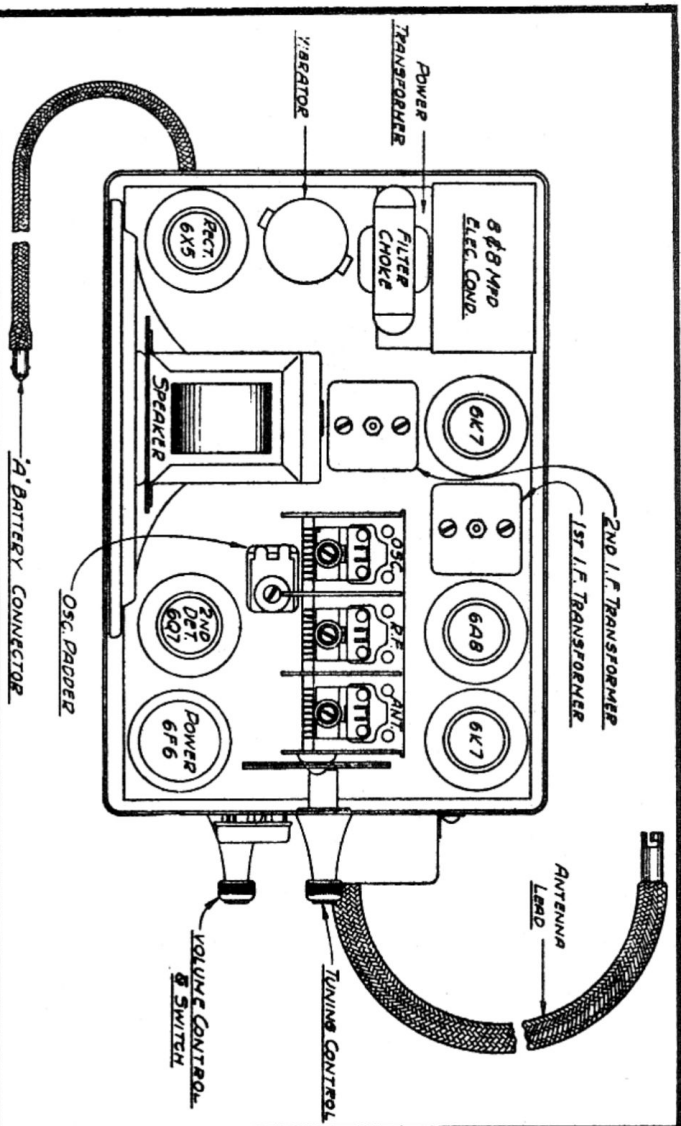
Rotate the gang capacitor one and one fourth turns from the minimum setting. At the proper position eight teeth on the tuning gear will be visible past the gear bracket.

Adjust the oscillator, R.F. and antenna trimmers in that order to the point giving the greatest output.

“C” Set the service oscillator at 600 K.C. and rotate the gang capacitor to tune in this signal. Move the gang capacitor to and fro past the signal meanwhile adjusting the oscillator padder capacitor until the combination of adjustments giving the greatest reading of the output meter is obtained.

“D” Repeat operation “B”.

## Marconi Model 95 Alignment Procedure, Layout and Socket Voltage Tests



SOCKET VOLTAGES MODEL 95

Tube	Position	1	2	3	4	5	6	7	8	9
6K7	R.F. Amp.	0	5.8	175	84	4.6	—	0	4.6	0
6A8	1st Det. Osc.	0	0	175	84	—1.6	110	5.8	4.6	0
6K7	I. F. Amp.	0	5.8	180	84	3.6	—	0	3.6	0
6Q7	2nd Det. A. V. C. 1st Audio	0	5.8	130	.3	.3	—	0	1.3	0
6F6	Power	0	0	170	180	—3.4	—	5.8	0	—
6X5	RECT.	0	5.8	AC	—	AC	—	0	180	—