

UNLESS OTHERWISE SPECIFIED ALL LEADS TO BE #20G. SOLID-V.S.R. 32 ATTACHMENT CORD & PWR. TRANS. LEADS EXCEPTED)

A - #20G FLEX. - V.R. 6A.  
 B - #20G SOLID-V.S.R. 3/6A.  
 C - #20G FLEX. - V.R. 3/6A.

NUMBERS ON COILS & TRANSFORMERS SHOW STARTS & FINISHES - O.C. ODD NUMBERS = START - EVEN NUMBERS = FINISH.

**Marconi Model 78**

↑ DENOTES CHASSIS

FOR 60~ USE 60071  
 " 25~ " 60072

# Marconi Model 78

## Alignment Instructions

In order to properly realign this receiver the radiotrician should have available an output meter and a well attenuated test oscillator capable of giving the following frequency fundamentals:-

462.5 KC for I.F. alignment.

1600 KC and 580 KC for broadcast band alignment.

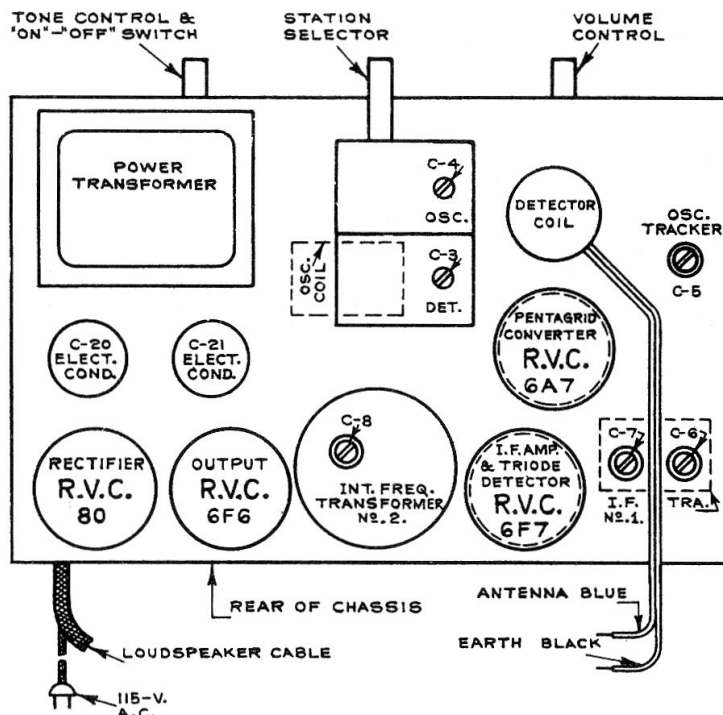
The manual volume control should always be kept at maximum, and the signal from the test oscillator should be kept as low as possible. In any case the signal should not be of sufficient strength to bring the automatic volume control into operation.

### ALIGNMENT OF INTERMEDIATE FREQUENCY TRANSFORMERS

Set gang capacitor at minimum capacity and supply a modulated 462.5 KC signal from a test oscillator to the control grid cap of the 6A7 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 horizontally with respect to the last graduation mark on the left hand side of dial scale.



- (2) Rotate tuning knob until pointer is at 1600 KC.
- (3) Supply 1600 KC signal from test oscillator to the aerial and ground leads using a standard dummy antenna.
- (4) Adjust oscillator trimmer C4 to tune the 1600 KC signal.
- (5) Adjust R.F. trimmer C3 for maximum output.
- (6) Shift test oscillator to 580 KC.
- (7) Rotate tuning capacitor until the 580 KC 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 KC.