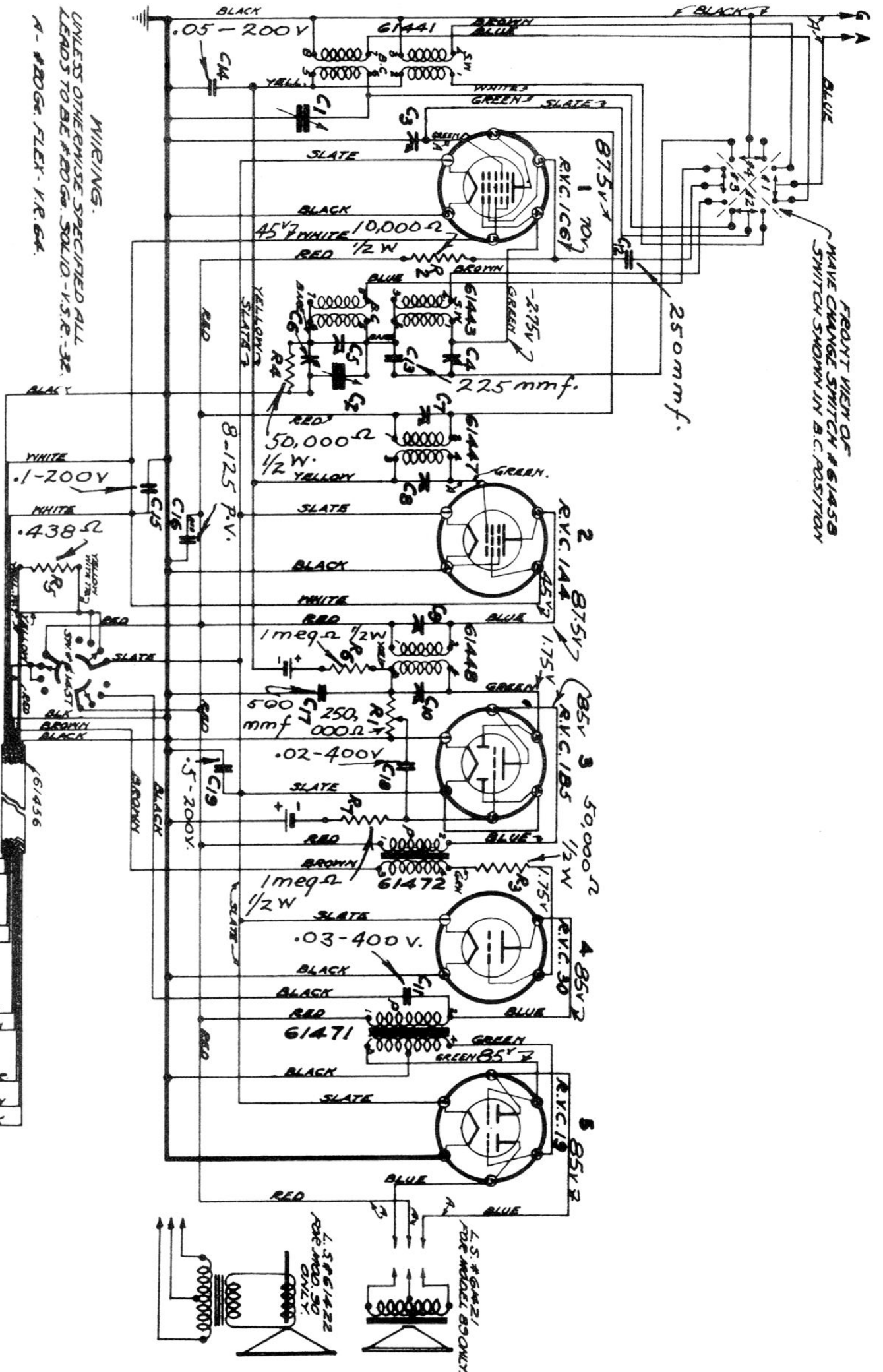


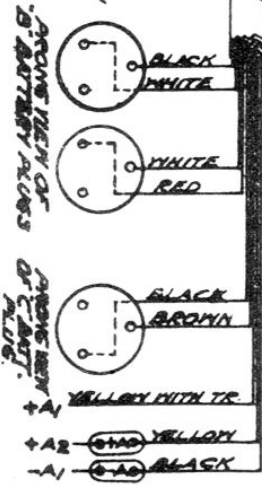
Marconi Models 89 & 90 Battery Operated Radio



WIRING:
UNLESS OTHERWISE SPECIFIED ALL
LEADS TO BE #20 GA. SOLID - V.S.P. - 32.
A - #20 GA. FLEX - V.R. 6A.

FRONT VIEW OF
SWITCH CHANGE SWITCH IN B.C. POSITION

NOTE: FOR AIR CELL OPERATION
USE LEADS +A1, -A1
FOR 2V STORAGE CELL OPERATION
USE LEADS +A2, -A1



1.5V #6A21
FOR MODEL 89 ONLY

1.5V #61422
FOR MODEL 90 ONLY

ALIGNMENT OF INTERMEDIATE FREQUENCY TRANSFORMERS

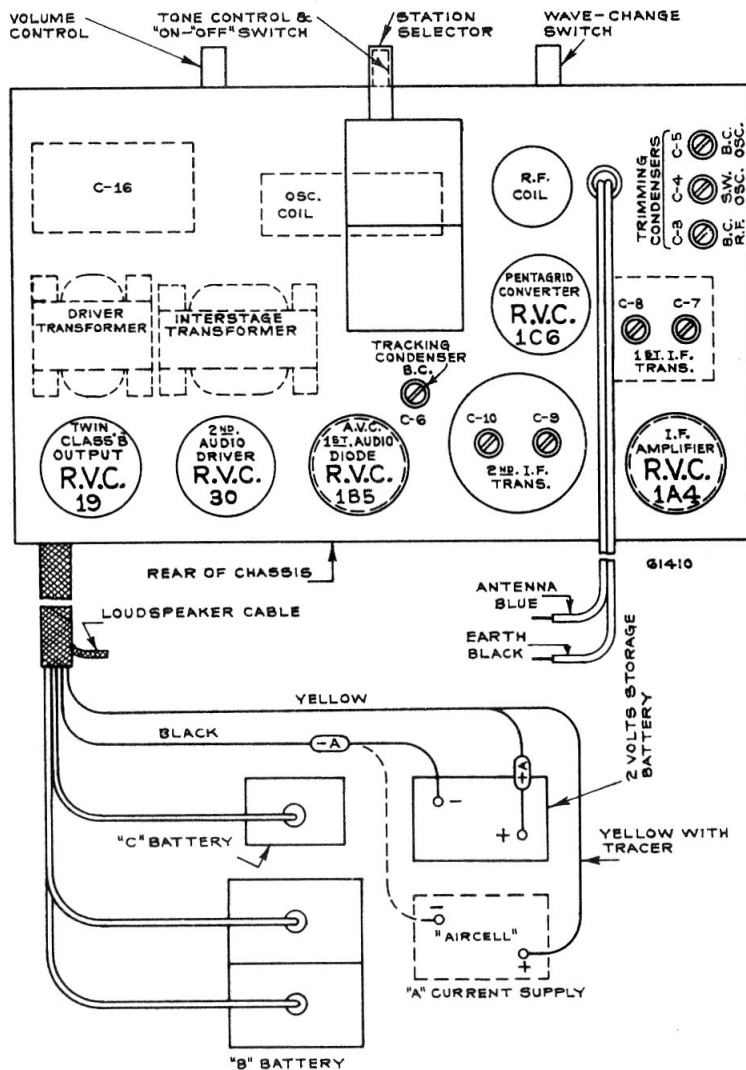
Set gang capacitor at minimum capacity and supply a modulated 252.5 KC signal from a test oscillator to the control grid cap of the IC6 converter tube through a 0.1 mfd. capacitor leaving the grid connector in place. Adjust in order C10, C9, C8 and C7 for maximum output. This operation should be checked to ascertain that maximum output has been obtained.

ALIGNMENT OF BROADCAST BAND

- (1) Set gang capacitor at minimum(plates out of mesh).
- (2) Supply a 1725 K.C.signal to the aerial and ground leads using a standard dummy antenna.
- (3) Adjust broadcast oscillator trimmer C5 to tune the 1725 K.C. signal.
- (4) Shift test oscillator to 1600 K.C.
- (5) Rotate the gang capacitor until the 1600 K.C. signal is reached. (If calibration is not correct, loosen set screw holding pointer to shaft).
- (6) Set the pointer to the 1600 K.C. marking on the dial and adjust C3 for maximum output.
- (7) Set test oscillator to 580 K.C.
- (8) Rotate tuning capacitor until the 580 K.C. signal is reached.
- (9) Adjust oscillator tracking capacitor C6 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.
- (10) Recheck at 1600 K.C.

ALIGNMENT OF SHORT WAVE BAND

- (1) Switch to short wave band.
- (2) Set dial pointer to 80 degrees.
- (3) Set test oscillator to 6000 K.C.
- (4) Adjust short wave oscillator trimmer C4 until the 6000 K.C.signal corresponds with the 80th division on the dial scale. If two peaks are obtainable when adjusting C4 the one with the trimmer furthest out(minimum capacity)is correct. This adjustment must be made accurately otherwise the frequency range desired will not be covered.



Marconi Models 89 & 90 Battery Operated Radio