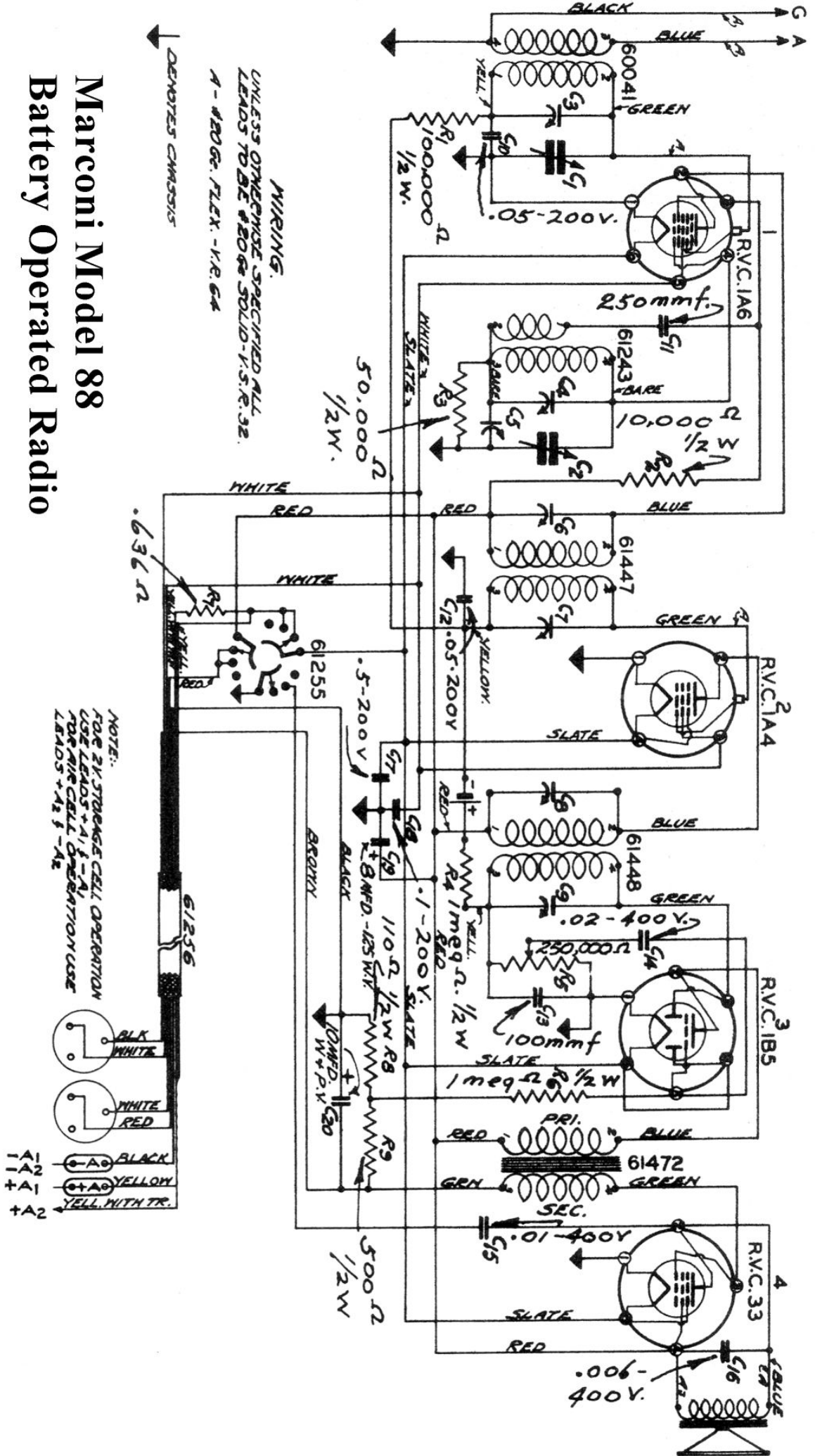


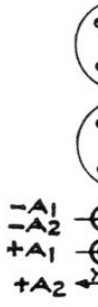
Marconi Model 88 Battery Operated Radio



WIRING.
UNLESS OTHERWISE SPECIFIED ALL LEADS TO BE #20 GA SOLID-V.S.R.32.
A - #20 GA. FLEX. - V.R. 64

↑ DENOTES CHASSIS

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



VOLTAGE READINGS SOCKET PINS TO CHASSIS

	CAP	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
R.V.C. 1A6 Pentagrid converter	-	80V	70V	-	37.5V	-	-	-
R.V.C. 1A4 I.F. Amplifier	-	80V	37.5V	-	-	-	-	-
R.V.C. 1B5 Diode Det. A.V.C. & 1st A.F. Amp.	-	80V	1.75V	-	-	-	-	-
R.V.C. 33 Pentode Output	-	77.5V	7V	80V	-	-	-	-

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ALIGNMENT OF BROADCAST BAND

- (1) Set gang capacitor at maximum (plates meshed).
- (2) Set pointer to the last marking on the low frequency end of the dial.
- (3) Rotate tuning knob until pointer is at 1600 KC.
- (4) Supply 1600 KC signal from test oscillator to the aerial and ground leads using a standard dummy antenna.
- (5) Adjust oscillator trimmer C4 to tune the 1600 KC signal.
- (6) Adjust R.F. trimmer C3 for maximum output.
- (7) Shift test oscillator to 580 KC.
- (8) Rotate tuning capacitor until the 580 KC signal is reached.
- (9) 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.
- (10) Recheck at 1600 KC.

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 1A6 converter tube through a 0.1 mfd. capacitor leaving the grid connector in place. Adjust in order C9, C8, C7, and C6 for maximum output. This operation should be checked to ascertain that maximum output has been obtained.

