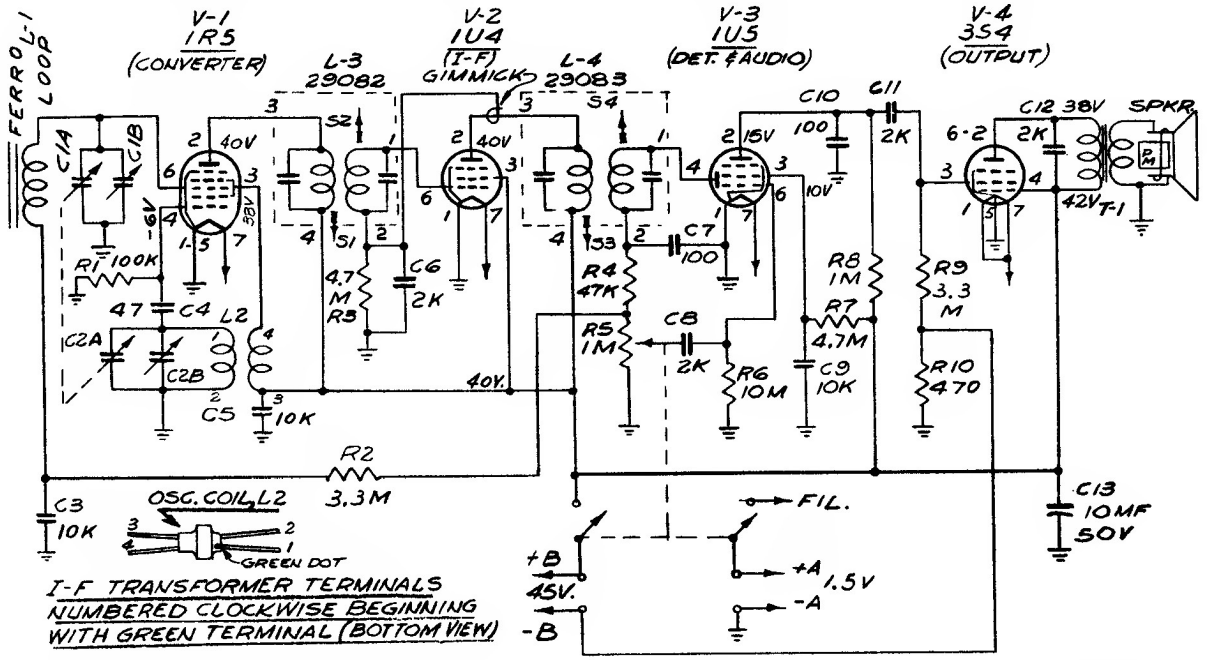
Packard Bell

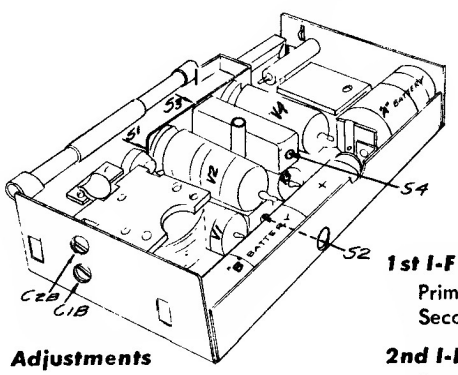
MODEL 4RB1 PORTABLE BATTERY RADIO



ALIGNMENT PROCEDURE:

Alignment is accomplished by following the steps in the chart below. Connect output meter to speaker voice coil. Connect test oscillator through a .01 mfd capacitor to pin 6 (grid 3) of V-1 for the first step. Ground leod of generotor goes to chassis. For steps two ond three, couple generator loosely to ferroloop with three or four turns of wire. Each adjustment should be made using a minimum input signal.

STEP	CONNECT TEST OSCILLATOR TO	TEST OSCILLATOR FREQUENCY	RADIO DIAL SETTING	ADJUST
1.	Pin 6, V-1 (1R5)	455 kc	535 kc	S-1, S-2, S-3, & S-4 for MAX.
2.	Couple to loop	1620 kc	1620 kc	C-2B for MAX.
3.	Couple to loop	1500 kc	Tune to test osc. signol	C-1B for MAX.



Adjustments

Oscillator Coil:
Primary, 2.6 ohms
Secondary, 13 ohms

1st I-F Coil:
Primary, 44 ohms
Secondary, 44 ohms

2nd I-F Coil:
Primory, 44 ohms
Secondory, 44 ohms

Ferroloop antenna:
3.6 ohms

REFERENCE SYMBOL	DESCRIPTION	PACKARD-BELL PART NUMBER
	CAPACITORS	
C-1 (A & B) } C-2 (A & B) }	Variable, 2-gang with trimmers	23548
C-3	Ceramic, 10,000 mmf, GMV (⅜ in. diometer)	23862
C-4	Ceramic, 47 mmf, 20%	23912
C-5	Same as C-3	
C-6	Ceromic, 2000 mmf, 20% (⅜ in. diometer)	23839
C-7	Ceramic, 100 mmf, 20%	23914
C-8	Same as C-6	
C-9	Same as C-3	
C-10	Same as C-7	
C-11	Some as C-6	
C-12	Some as C-6	
C-13	Electrolytic, 10 mfd, 50 volt	24123
	RESISTORS	
	All resistors one-quarter (1/4) watt.	
R-1	100,000 ohms, 20%	73949
R-2	3.3 megohms, 20%	73967
R-3	4.7 megohms, 20%	73969
R-4	47,000 ohms, 10%	73845
R-5	Variable control, volume with switch, 1 megohm	25041A
R-6	10 megohms, 20%	73973
R-7	Same os R-3	
R-8	1 megohm, 20%	73961
R-9	Same os R-2	
R-10	470 ohms, 10%	73821
	INDUCTANCES	
L-1	Ferro-loop ontenna	29354
L-2	Oscillotor coil	29232
L-3	First I-F coil	29082
L-4	Second I-F coil	29083