

Stromberg-Carlson

AC/DC Battery Operated Portable Radio Receiver—Model EP-2

VOLTAGE CHART

Voltage measurements made at 117 volt 60 cycle line using vacuum tube voltmeter.
Except where otherwise noted, all voltages are positive with respect to B—.

TUBE	FUNCTION	PIN NUMBER						
		1	2	3	4	5	6	7
V-1	1R5 Converter	1.37	72	42	—5.0	1.37	—1	2.75
V-2	1U4 I.F. Amp.	2.75	72	72	NC	2.75	1.5	4.3
V-3	1U5 Det. 1st audio	0	25	18	—2	NC	—05	1.37
V-4	3V5 Audio output	4.3	70	72	NC	5.8	0	7.2

ALIGNMENT PROCEDURE

I.F. Alignment

Receiver operation at 117 volt 60 cycle AC with volume control set at maximum. Output meter across speaker voice coil. Use modulated signal with output level from generator no higher than necessary to obtain indication on output meter. Return low side of signal generator to B—. Use non-metallic alignment tool with light pressure on all slug adjustments.

SIGNAL INPUT	FREQUENCY	DUMMY ANTENNA	TUNING CAPACITOR	ADJUSTMENTS	NOTES
Converter grid (pin #6 at 1R5) or stator of C-1A	455 KC (400 cycles modulation)	0.1 mfd	Point of non-interference at mid-frequency	Bottom and top slugs of T-3 and T-2	Adjust for maximum output

R.F. Alignment

Rotate tuning condenser until fully unmeshed (min. capacity).

SIGNAL INPUT	FREQUENCY	DUMMY ANTENNA	TUNING CAPACITOR	ADJUSTMENTS	NOTES
Converter grid (pin #6 at 1R5) or stator of C-1A	1625 KC	0.1 mfd	Fully unmeshed (min. capacity)	Oscillator trimmer C-1D	Adjust for maximum output
Radiating loop	1400 KC	—	—	R.F. Trimmer C-1B	Adjust for maximum output

