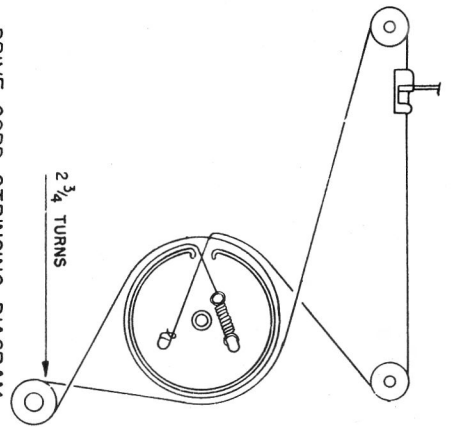


# Stromberg-Carlson Model 4061 AC/DC & Battery Operated Receiver



## ALIGNMENT PROCEDURE 4061

Band and Pointer Setting	Generator Setting	Input and Dummy	Meter Connections	Trimmer Adjustment and Notes
--------------------------	-------------------	-----------------	-------------------	------------------------------

### I. F. ALIGNMENT

**Lower end of band.** 455 KC. Connect the signal generator ground-lead to the B minus (common bus) in the receiver chassis. The "hot" lead should be connected to the "hot" lead through a .1 mfd. capacitor to No. 6 pin of the 1173 I.F. socket.

**Upper end of band.** 455 KC. Leave signal generator ground to B minus. Connect "hot" lead through .1 mfd. capacitor to pin No. 6 of 1173 converter tube.

**Output meter** across voice coil.

Adjust the iron cores (top and bottom) of the 1st I.F. transformer for maximum output with the signal. Input should be 100 uvs. (approx.). Return to the 2nd I.F. and adjust the bottom 100 uvs. or better, and correct tracking.

### R. F. ALIGNMENT

With gang capacitor fully meshed, adjust pointer to coincide with the "set up" point at the extreme low end of scale.

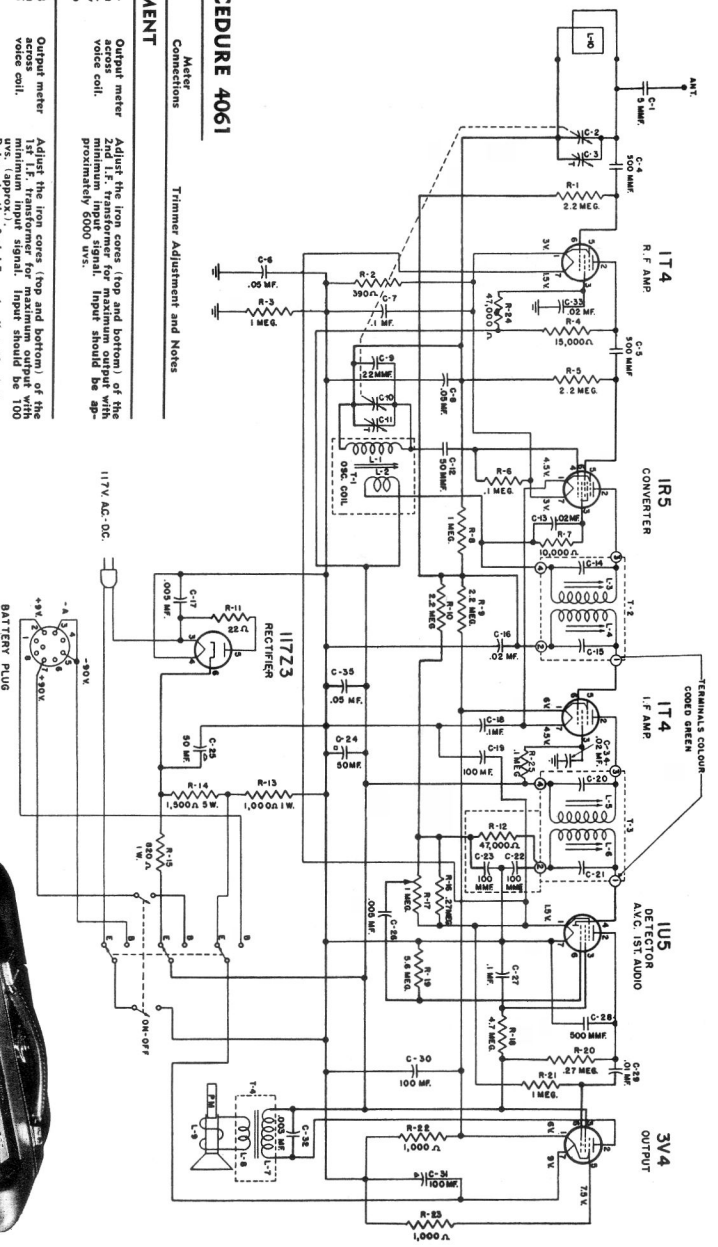
1500 KC. frame mark 1500 KC. Hashtime loop or equivalent. Output meter across voice coil. Adjust the oscillator coil 1112 iron core for correct calibration and maximum sensitivity.

600 KC. frame mark 600 KC. Hashtime loop or equivalent. Output meter across voice coil. Adjust the antenna trimmer capacitor, C3 for correct tracking and maximum sensitivity. It will be necessary to "rock" the gang while this is done. Repeat steps 2 and 3 of R. F. alignment until no further improvement is noted.

### VOLTAGE CHART FOR MODEL 4061

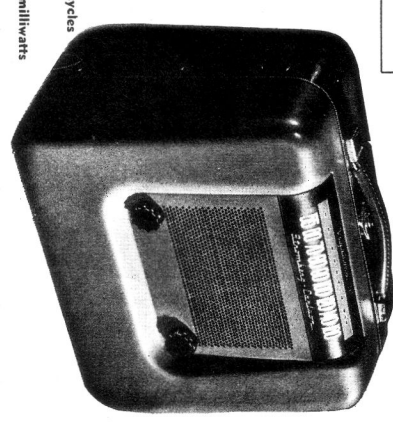
SOCKET	FUNCTION	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
1T4	R.F. Amplifier	2.5	47.	48.	0	2.5	.2	1.6	—
1R5	Converter	4.	85.	58.	1.	4.	.1	2.5	—
1T4	I.F. Amplifier	5.	85.	46.	0	5.	.2	4.	—
1U5	Demodulator, AVC, 1st Audio	1.3	47.	8.	0	0	0	0	—
3V4	Power Output	5.	85.	87.	0	6.5	0	8.	—
11723	Rectifier	(105)	8.	0	(108)	(105)	100.	0	—

Taken with a Weston No. 779 Analyzer. Line volts 117. Frequency 25 cycles. Negative meter lead to B minus (common bus). AC voltage shown in parentheses.



### SPECIFICATIONS

- Voltage Rating ... 105-125 Volts AC-DC
- Battery ... "A" Supply 9 V., "B" Supply 90 V.
- Type of Circuit ... Superheterodyne
- Tuning Range ... 535 Kc.-1650 Kc.
- Input Power Rating ... .132 amp. at 117 line volts
- Intermediate Frequency ... 455 Kc.
- Speaker Voice Coil Impedance (PM) 3.5 ohms at 400 cycles
- Power Output Maximum ... Maximum 280 milliwatts, 10% distortion 150 milliwatts



### ALIGNMENT AND TUBE LOCATION CHART

