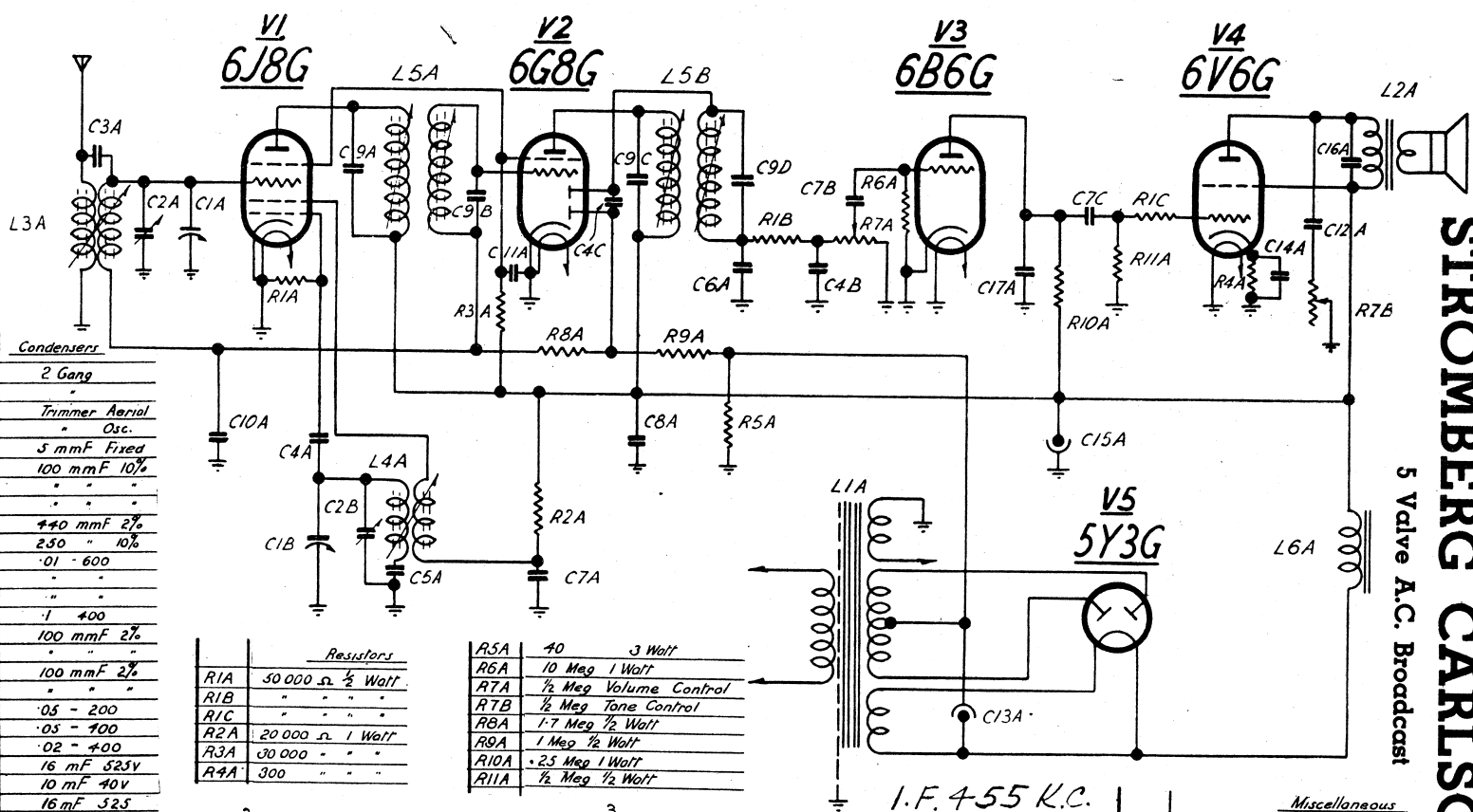


STROMBERG CARLSON 5A26

5 Valve A.C. Broadcast



Condensers

C1A	2 Gang
C1B	Trimmer Aerial
C2A	" Osc.
C2B	"
C3A	5 mmF Fixed
C4A	100 mmF 10%
C4B	"
C4C	"
C5A	440 mmF 2%
C6A	250 " 10%
C7A	.01 - 600
C7B	"
C7C	"
C8A	.1 400
C9A	100 mmF 2%
C9B	"
C9C	100 mmF 2%
C9D	"
C10A	.05 - 200
C11A	.05 - 100
C12A	.02 - 400
C13A	16 mF 525V
C14A	10 mF 40V
C15A	16 mF 525
C16A	.005 - 600
C17A	.001

Resistors

R1A	50 000 Ω $\frac{1}{2}$ Watt
R1B	" " "
R1C	" " "
R2A	20 000 Ω 1 Watt
R3A	50 000 " "
R4A	300 " " "

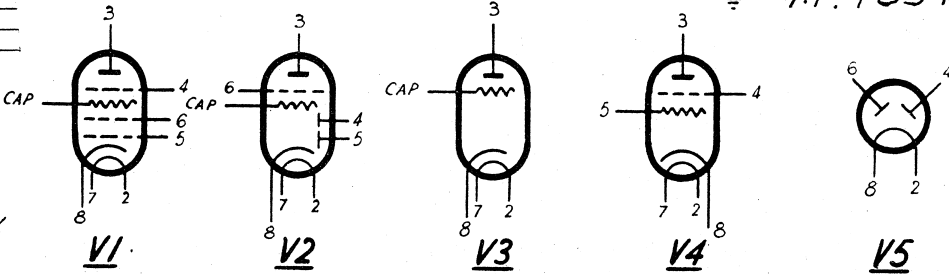
R5A	40	3 Watt
R6A	10 Meg	1 Watt
R7A	$\frac{1}{2}$ Meg	Volume Control
R7B	$\frac{1}{2}$ Meg	Tone Control
R8A	1.7 Meg	$\frac{1}{2}$ Watt
R9A	1 Meg	$\frac{1}{2}$ Watt
R10A	.25 Meg	1 Watt
R11A	$\frac{1}{2}$ Meg	$\frac{1}{2}$ Watt

I.F. 455 K.C.



VALVE PIN NOS

UNDERNEATH VIEW



Miscellaneous	
L1A	Power Transformer
L2A	Speaker Role SC 5000 Ω
L3A	Aerial Coil
L4A	Osc. Coil
L5A	I.F. Transformer
L6A	"
V1	HT Choke 6-60
V2	Valve Type 6J8G
V3	" 6G8G
V4	" 6B6G
V5	" 6V6G
V5	" 5Y3G

STROMBERG CARLSON 5A26

RECEIVER ALIGNMENT INSTRUCTIONS.

The adjustment of the trimmers should only be undertaken by a qualified serviceman equipped with a calibrated test oscillator.

There are four trimming adjustments for the intermediate frequency amplifier transformers, and three adjustments for the R.F. portion of the Receiver (aerial, oscillator and padder). The I.F. adjusting screws will be found at top and bottom of each I.F. transformer, and the aerial and oscillator trimmers will be found on the front of the chassis directly under the dial drive disc, and the padder can be reached from the right hand end of the chassis.

I.F. TRIMMER ADJUSTMENT: Connect the test oscillator to the grid of the 6J8G valve through a 0.5 mF. condenser, leaving the normal grid clip on the cap of the valve.

Turn the volume control full on and not the test oscillator to exactly 455 K.C. Adjust the four screws on top and bottom of the I.F. transformers for maximum output.

During ALL adjustments the output from the test oscillator should be gradually reduced so that output is as low as possible. This will prevent errors in alignment due to A.V.C. action.

R.F. TRIMMER ADJUSTMENT: Before proceeding with the R.F. adjustment it is necessary to set the pointer and dial drive disc correctly.

On the lower edge of the dial are marked six short lines. These indicate the alignment points. 1500, 1400, 1000 and 600 K.C., and the gang full in, and full out positions.

The dial should be set so that with the gang full in (maximum capacity) the outside line is exactly on top of the dial pointer. Then when the condenser is turned out of mesh the 600 K.C., 1000 K.C., 1400 K.C., and 1500 K.C. lines will pass the chassis line, in that order. The gang full out position is indicated by the sixth line.

Proceed as follows to align the Receiver:—

- (a) Connect test oscillator to aerial terminal of set through dummy antenna, or failing this, a 0.00025 mF. condenser.
- (b) Adjust test oscillator to 1500 K.C., tune Receiver unit 1500 K.C. line on dial is on top of pointer.
- (c) Adjust oscillator trimmer (left hand trimmer) for maximum output.
- (d) Set test oscillator to 1400 K.C., tune Receiver to this frequency and adjust aerial trimmer (right hand trimmer) for maximum output.
Adjust test oscillator to 600 K.C. Tune Receiver dial until 600 K.C. mark on dial is top of pointer. Adjust padder for maximum output while rocking the gang back and forth.
- (f) Repeat operations (b) to (e).

VOLTAGE ANALYSIS.

The following voltages are measured between the socket pins and chassis with a 1000 ohm per volt voltmeter and the Receiver in a no signal condition. Voltages may vary $\pm 10\%$ from the figures given.

Valve.	Function.	Plate.	Screen.	Cathode.	Heater.
6J8G	.. Mixer	205	80	—	6.3
6J8G	.. Osc. Sect.	115	—	—	—
6G8G	.. I.F. Amp. AVC, Det... .	205	80	—	6.3
6B6G	.. 1st Audio	80	—	—	6.3
6V6G-T	.. Output	195	210	10.5	6.3
5Y3G	.. Rectifier	230 } VAC 230 {	—	—	220 V.