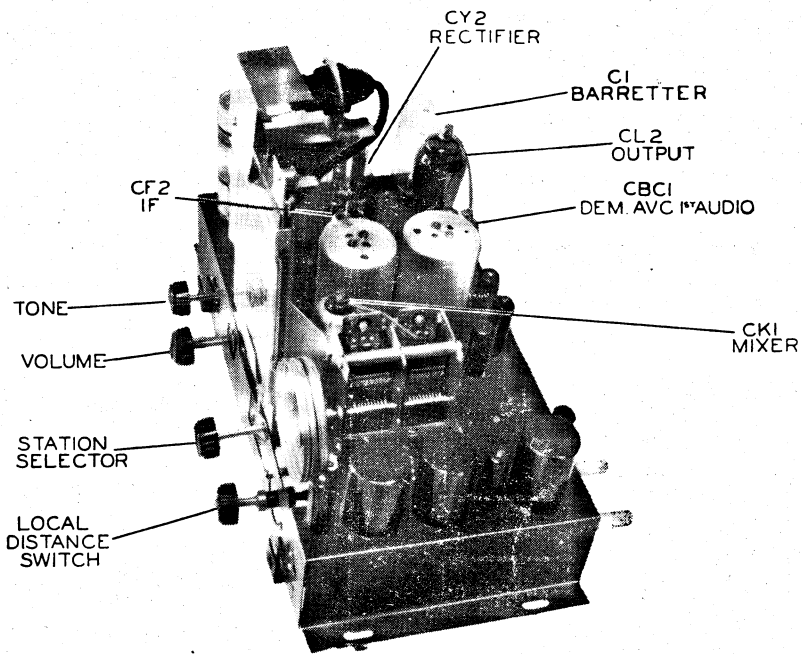


Stromberg-Carlson

STROMBERG-CARLSON
SERVICE BULLETIN No. 567

Stromberg-Carlson Model 567 Superheterodyne

A.C.-D.C. RECEIVER.
FOUR VALVES AND RECTIFIER.



Chassis of Model 567

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from 30 to 50 feet. In noisy areas (due to the electrical interference) the aerial should be erected as far as possible from and at right angles to any electric power or light mains.

As a further precaution against undesirable Pick-up, the lead-in should be a special "transposed" type, terminals being provided for its connection. Details of this type of serial may be had on application to Stromberg-Carlson (Australasia) Ltd.

(c) Earth.

A terminal has been provided for a radio earth on the end of a transposed feeder. No other earth is required, as there is no exposed metal on the receiver.

(d) Trimmer Adjustments.

The trimmer capacitors on the coil assembly, and the trimmer capacitors on the Intermediate Frequency Transformers (tuned to 465 k.c.) are adjusted and sealed at the factory at the time of calibration.

These adjustments should on no account be touched or seals broken unless a specially calibrated oscillator and indicating instrument are available, whereby such adjustments can be successfully carried out.

In any repairs or adjustments the above remarks in regard to the coil assembly and intermediate transformer should be carefully noted.

3. VALVES:

	Function of Valve.	Type of Valve.
Octode		CK1
I.F.		CF2
Det. A.V.C.)		
1st Audio . .)		CBC1
Output		CL2
Rectifier		CY2
Barretter		C1

4. VOLTAGES:

Valve.	Plate.	Screen.	Cathode.
CK1 Octode	210	60	2
CF2 I.F.	210	60	2
CBC1 Dem. A.V.C., 1st Audio	50	—	6
GL2 Output	205	210	15
CY2 Rectifier	—	—	300

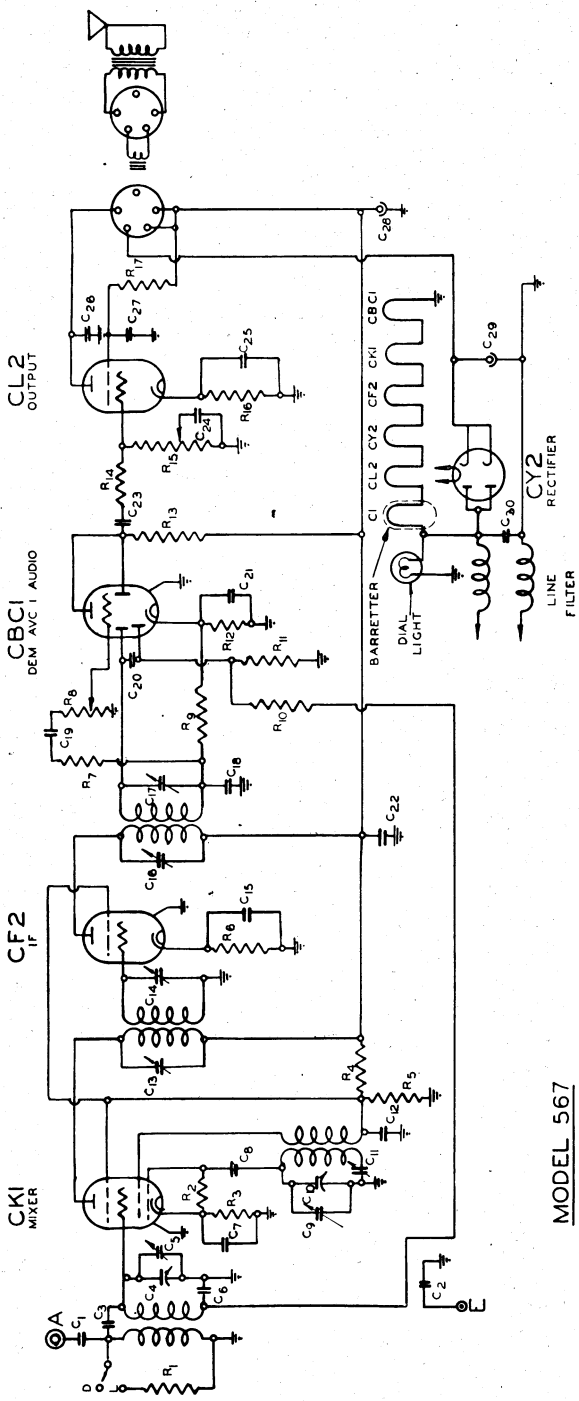
CK1 Oscillator Anode Voltage 60.

The voltmeter used should have an internal resistance of 1000 ohms. per volt, and all voltages are measured from the above designated valve prongs to chassis, with the line voltage at 240 volt A.C.

N.B.—BEFORE LEAVING A STROMBERG-CARLSON RADIO RECEIVER IN A CUSTOMER'S HOME, SEE THAT EVERYBODY WHO IS LIKELY TO HANDLE THE RECEIVER FULLY UNDERSTANDS ITS OPERATION. BY SO DOING MANY UNNECESSARY SERVICE CALLS WILL BE AVOIDED.

CHANGES

DRAWN
 EXAMINED
 APPROVED
 DATE 3-5-37



MODEL 567
 5 VALVE AC-DC - BROADCAST RECEIVER
 IF 465 KC

C ₁	10μF MICA	C ₁₀	2-400μF	C ₁₉	0.2 μF	C ₂₈	8 μF
C ₂	10μF MICA	C ₁₁	PADDER	C ₂₀	0.01μF	C ₂₉	35μF
C ₃	4μF	C ₁₂	11 μF	C ₂₁	10μF	C ₃₀	0.02μF
C ₄	2-400μF	C ₁₃	85μF	C ₂₂	5 μF		
C ₅	TRIMMER	C ₁₄	85μF	C ₂₃	0.2 μF		
C ₆	1 μF	C ₁₅	11 μF	C ₂₄	0.1 μF		
C ₇	1 μF	C ₁₆	85 μF	C ₂₅	10 μF		
C ₈	100μF	C ₁₇	3.25μF	C ₂₆	0.004 μF		
C ₉	TRIMMER	C ₁₈	100μF	C ₂₇	1 μF		

R ₁	50 Ω	R ₁₀	1M Ω
R ₂	0.05M Ω	R ₁₁	1M Ω
R ₃	300 Ω	R ₁₂	4000 Ω
R ₄	0.2M Ω	R ₁₃	2M Ω
R ₅	0.03M Ω	R ₁₄	11M Ω
R ₆	300 Ω	R ₁₅	5M Ω
R ₇	1M Ω	R ₁₆	400 Ω
R ₈	1M Ω	R ₁₇	0.2M Ω
R ₉	5M Ω		

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Stromberg-Carlson Model 567

Superheterodyne

A.C.-D.C. RECEIVER.**FOUR VALVES AND RECTIFIER.****1. GENERAL DESCRIPTION OF RECEIVER:**

This is a 5-valve broadcast receiver, using Philips A.C.-D.C. series of valves, including the current limiting "Barretter" valve, which replaces the ballast resistor. It has been designed to operate with equal efficiency on both A.C. and D.C. mains. An efficient line filter is built into the receiver to reduce line noises, which are sometimes bad in D.C. areas.

The receiver may be used on line voltages ranging from 160 to 260 volts without any adjustment to the receiver.

The edgelit dial is calibrated in both metres and kilocycles, and the call signs of the main broadcast stations clearly marked.

2. INSTALLATION INSTRUCTIONS:

(a) As with any A.C./D.C. receiver, due care must be exercised in its installation. The aerial, radio earth, and pick-up terminals are isolated from the interior of the receiver by means of condensers, and they project through the protective back on the cabinet. This makes it unnecessary to remove the back to instal the receiver. A two-pin plug has been fitted which, on the removal of the protective back on the cabinet, opens both of the power leads to the chassis.

Caution.

Should it be necessary, for any service reason, to remove the chassis from the cabinet and run it on a test bench, care must be taken that the earthed side of the supply line (normally the neutral for an A.C. service and the negative for D.C. service) is connected in such a manner that it goes to the chassis, and that the active side of the line does not. This can be readily ascertained by connecting a lamp or indicating meter of suitable type A.C. or D.C. between the chassis and earth before switching the receiver on. If the lamp lights or the meter registers, then the supply line will have to be reversed, otherwise it will be possible for the operator to receive a shock.

When making any adjustment, see that the power plug is completely removed from the socket of the supply source.

(b) Aerial.

The sensitivity of this model is such that in most installatons a well insulated wire about 20 to 30 feet in length, placed along the picture moulding in a room, or beneath the carpet, will prove satisfactory. Care should be taken to place all such indoor aerials, as far away as possible, from electric light or power conduits, and, in particular, clear of all unshielded flexible leads, since these latter are prolific radiators of undesirable electrical impulses.

An outdoor aerial is the most efficient, and is strongly recommended, especially for long-distance daylight reception. The length of this aerial should be