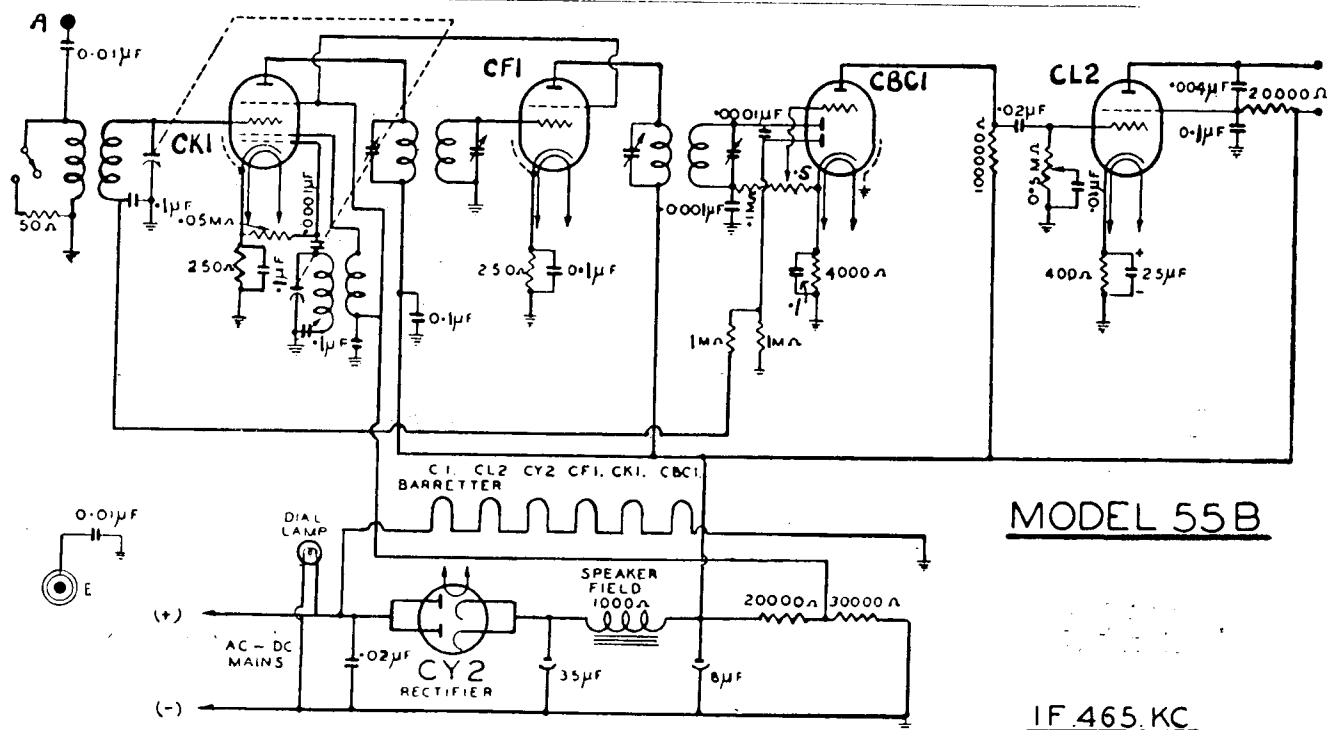
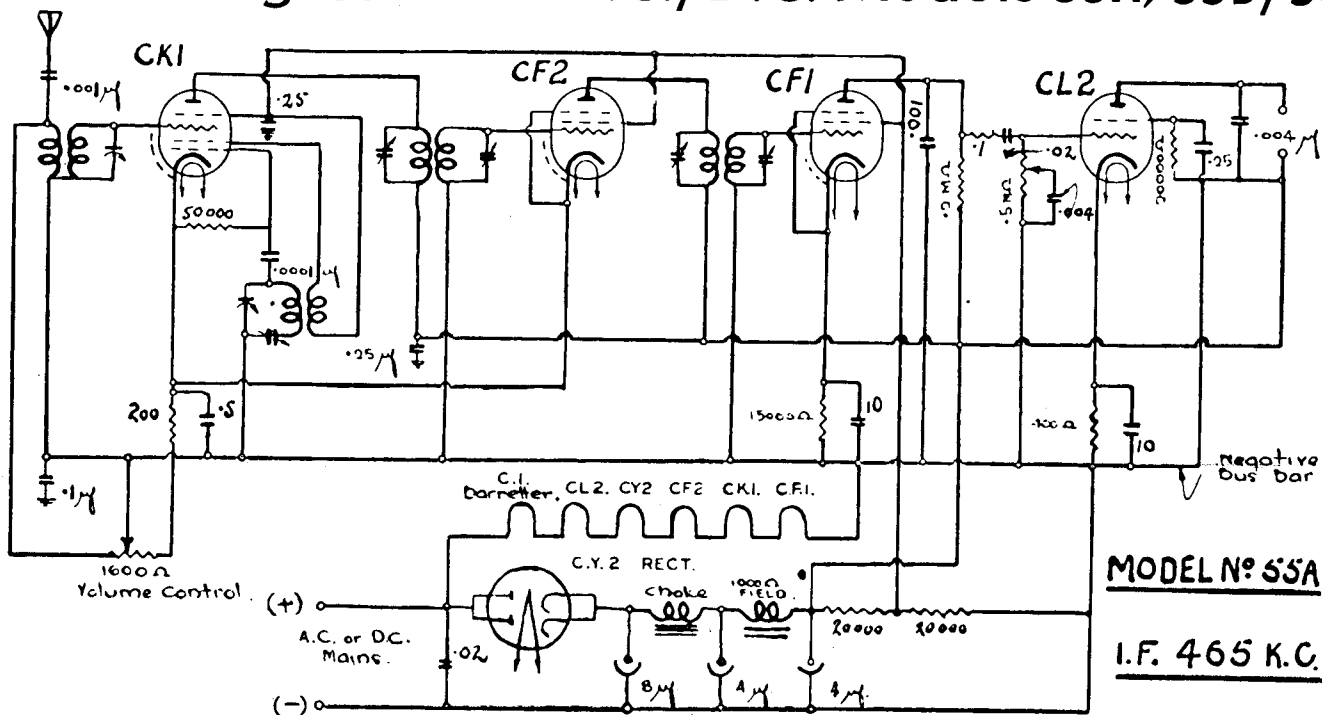


"Stromberg-Carlson" A.C./D.C. Models 55A, 55B/566



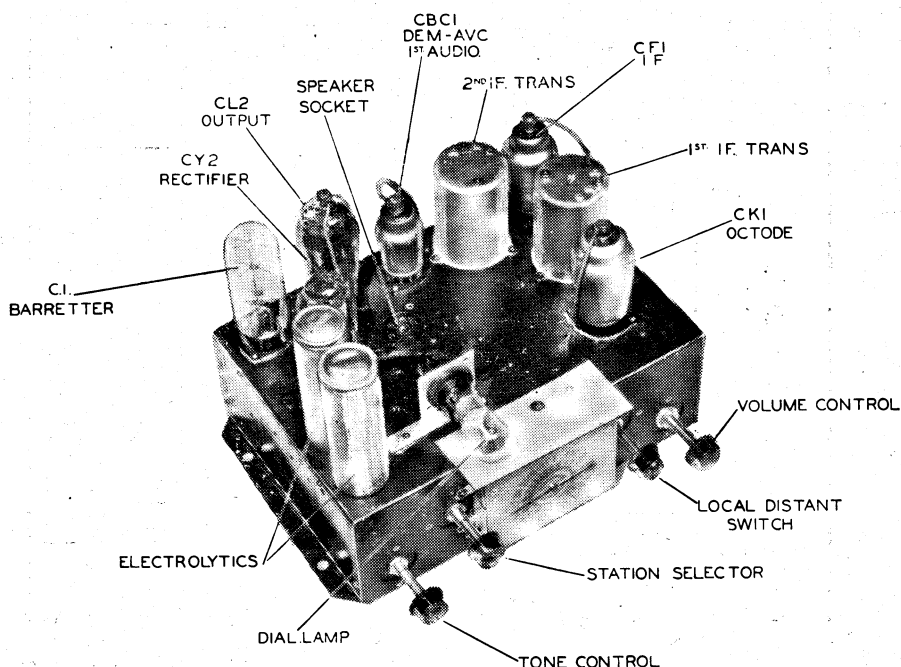
These models are all five-valve broadcast receivers designed for operation from 200-260 volts A.C. or D.C. mains. Model "55A" is the first of the series and is housed in a mantel cabinet. This was later revised and became model "55B." The "55B" chassis is also fitted to a console cabinet and is then known as model "566." An 8-inch 1,000 ohms field, loudspeaker is used in each case.

Stromberg-Carlson

STROMBERG-CARLSON
SERVICE BULLETIN, No. 55B/566

Stromberg-Carlson Models 55B/566 Superheterodyne UNIVERSAL A.C.-D.C.

ALL-ELECTRIC, FOUR VALVES AND RECTIFIER



Chassis of Model 55B/566

This Service Bulletin is issued free of charge to all authorised Stromberg-Carlson Dealers. Applications for additional copies should be made direct to the nearest Distributor.

Stromberg-Carlson (Australasia) Ltd. reserves the right to make changes in design details at any time without incurring any obligations to install same on radio receivers previously sold.

SERVICE BULLETIN, No. 55B/566 (Continued)

When connected to A.C. it is preferable for the RED lead to be connected to the ACTIVE, and the BLACK to the NEUTRAL of the supply mains.

Note.—To ascertain ACTIVE, check with test lamp (240 volt) between line and earth. The ACTIVE will be indicated by the lamp lighting. No light will be observed between NEUTRAL and earth.

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

(d) Trimmer Adjustments.

The tuning adjustments on the gang capacitor (the variable gang tuning condenser) and the trimmer capacitors on the Intermediate Frequency Transformers are adjusted at the factory at the time of calibration. These adjustments should on no account be touched 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 gang capacitor and intermediate transformers should be carefully noted.

3. VALVES:

All Receivers leaving the factory are equipped with valves inserted into the sockets. If for any reason it becomes necessary to remove the valves, care should be taken to see that each one is replaced in the socket from which it was taken. The photograph of the chassis on page 1 shows the type and function of the valves and their exact location.

Function of Valve.	Type of Valve.
Octode Oscillator-Mixer	CK1
I.F.	CF1
Detector A.V.C., 1st Audio	CBC1
Power Pentode	CL2
Rectifier	CY2
"Barretter" Ballast Lamp	C1

4. VOLTAGES:

Valve.	Plate.	Screen.	Cathode.
Octode Det.-Osc. CK1	200	70	1.5
I.F. CF1	200	70	.5
2nd Det. CBC1	50	—	6
Output CL2	200	100	17

All voltages are measured from the above designated valve prongs to chassis.

The voltmeter used should have a resistance of 1000 ohms per volt.

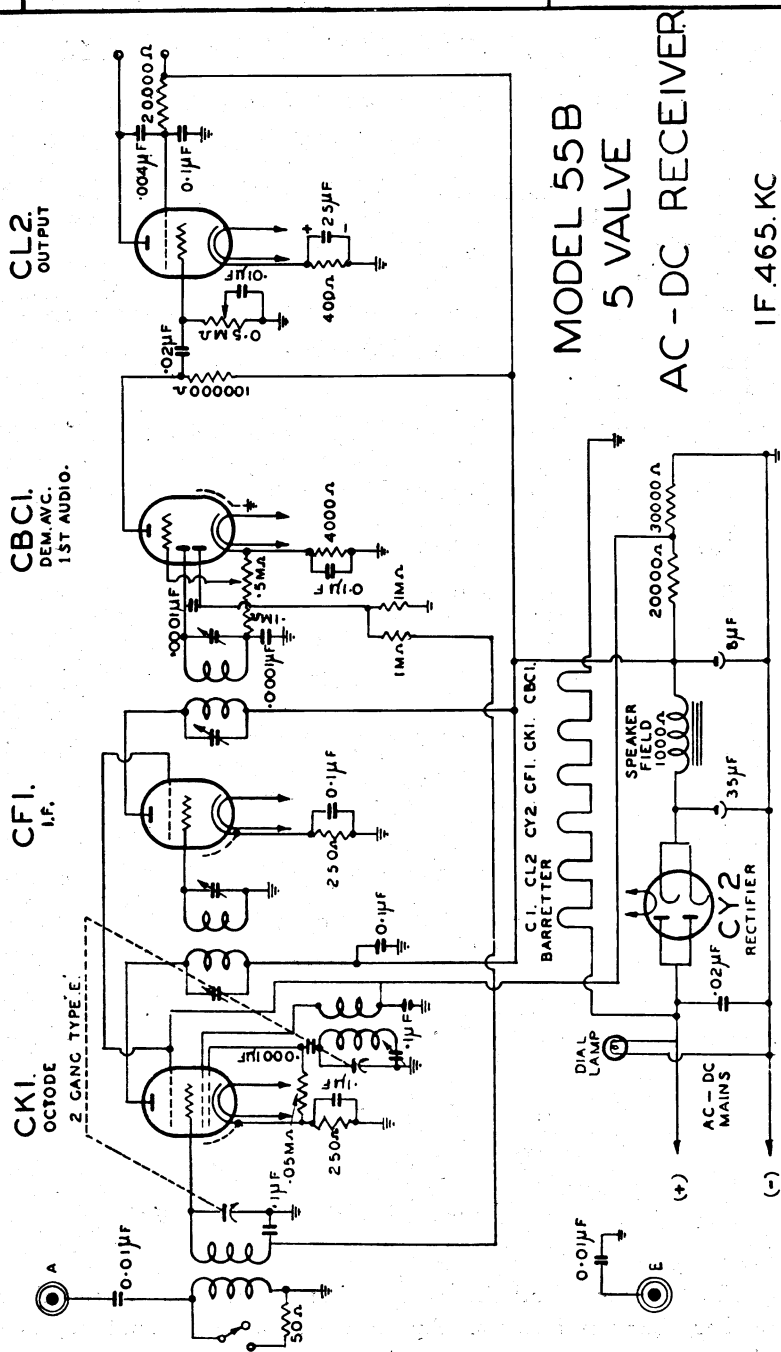
Note.—All screens are series fed through resistances, so that indicated voltage will vary slightly when different types of meters are used to measure the voltage.

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.

DRAWING No 779.

CHANGES

DRAWN D Forder
EXAMINED *Ans. Scott*
APPROVED
MGM DIRECTOR
DATE



SERVICE BULLETIN, No. 55B/566 (*Continued*)

Page 3

Stromberg-Carlson Models 55B/566 Superheterodyne

UNIVERSAL A.C.-D.C.

ALL-ELECTRIC, FOUR VALVES AND RECTIFIER

1. GENERAL DESCRIPTION OF RECEIVER:

The Universal A.C.-D.C. Model is particularly adapted to areas where the electric supply is direct current.

A number of such areas are at present in the process of conversion to an alternating current supply. In these circumstances the model 55B or 566 Receiver is ideal, in that it operates with equal efficiency on either A.C. or D.C. supplies.

Philip's new series of A.C.-D.C. Valves are used, which have been specially designed for series operation on 200 to 260 volt lines.

The use of the current regulating tube, the "Barretter," replaces the ballast resistor of earlier models, and allows the receiver to be used on lines in which the voltage varies from 160 to 260 volts without any voltage taps being changed.

The 55B is a mantel model, and the 566 a console.

2. INSTALLATION INSTRUCTIONS:

(a) Safety.

Every precaution has been taken to render the 55B/566 A.C.-D.C. Receiver perfectly safe. Nevertheless, due care should be exercised in the installation of this type of receiver.

Do not make any adjustment to the receiver, aerial or any lead connected thereto, without first of all disconnecting the receiver from the supply mains.

As a further protection, the 55B/566 chassis has been fitted with a two-pin plug, which—on the removal of the protective back on the cabinet—opens both of the power leads to the chassis.

(b) Aerial.

The sensitivity of this model is such that an aerial 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.

CAUTION.—When an outdoor aerial is installed on any A.C.-D.C. receiver, care should be taken to place the aerial well clear of buildings, and to particularly avoid any possibility of bodily contact being made between the aerial and any metal roofing.

In the Stromberg-Carlson A.C.-D.C. Model the aerial and earth are protected by two specially selected condensers.

When connected to D.C., it is imperative that the RED lead be connected to the POSITIVE, and the BLACK to the NEGATIVE of the supply mains. If reversed the filaments will light, but the receiver will not operate.