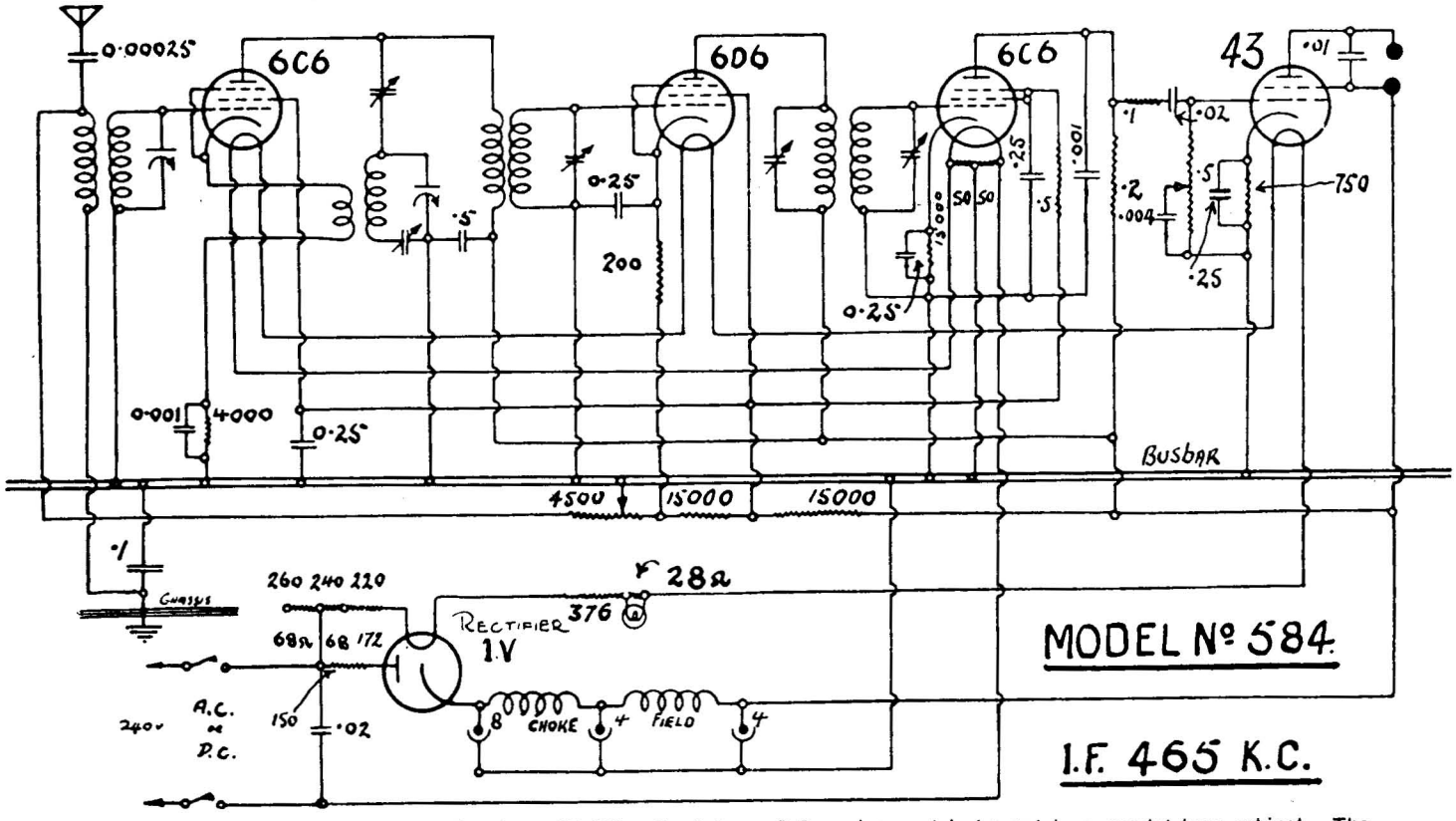
"Stromberg-Carlson" A.C./D.C. Broadcast Model 584



This receiver is designed for operation from 220-260 volts A.C. or D.C. mains, and is housed in a mantel-type cabinet. The loudspeaker is a 6-inch unit with a field-coil resistance of 1,000 ohms. The circuit arrangement is a conventional "autodyne and anode-bend detector" type, and should present no difficulty.

Stromberg-Carlson

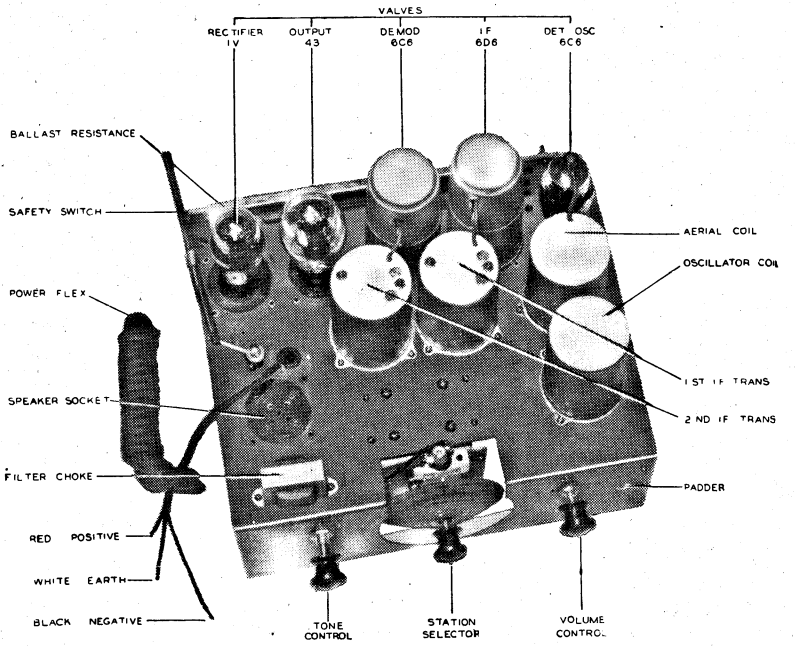
STROMBERG-CARLSON
SERVICE BULLETIN No. 584

Stromberg-Carlson Model 584

UNIVERSAL A.C.-D.C.

Superheterodyne

ALL ELECTRIC FOUR VALVES AND RECTIFIER



Chassis of Model 584

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. 584 *(Continued)*

(d) Trimmer Adjustments.

The tuning adjustments on the gang capacitor (the variable gang tuning condenser) and the trimmer capacitors on the Intermediate Frequency Transformers (tuned to 465 k.c.) 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.
Oscillator-Mixer	6C6
I.F.	6D6
Detector	6C6
Power Pentode	43
Rectifier	1.V.

4. COMPONENTS:

The following list of components is given to facilitate the servicing of the Receiver and as a guide to replacements.

The numbers refer to the position of the component on the assembly panel.

1. .001 microfarad.
2. 5000 ohms.
3. 15,000 ohms.
4. 15,000 ohms.
5. 200 ohms.
6. 15,000 ohms.
7. 500,000 ohms.
8. .001 microfarad.
9. 200,000 ohms.
10. 100,000 ohms.
11. .02 microfarad.
12. 750 ohms.
13. 25 microfarads.
14. .02 microfarad.
15.
16. 150 ohms.

Capacitor block: 4 red leads 0.25 microfarad.
1 yellow lead 0.5 microfarad.

5. VOLTAGES:

Valve.		Screen.	Plate.	Cathode.
Det.-Osc.	6C6	65, 85*	155	5
I.F.	6D6	65, 85*	155	2, 35*
2nd Det.	6C6	20	50	3
Output	43	150	150	20

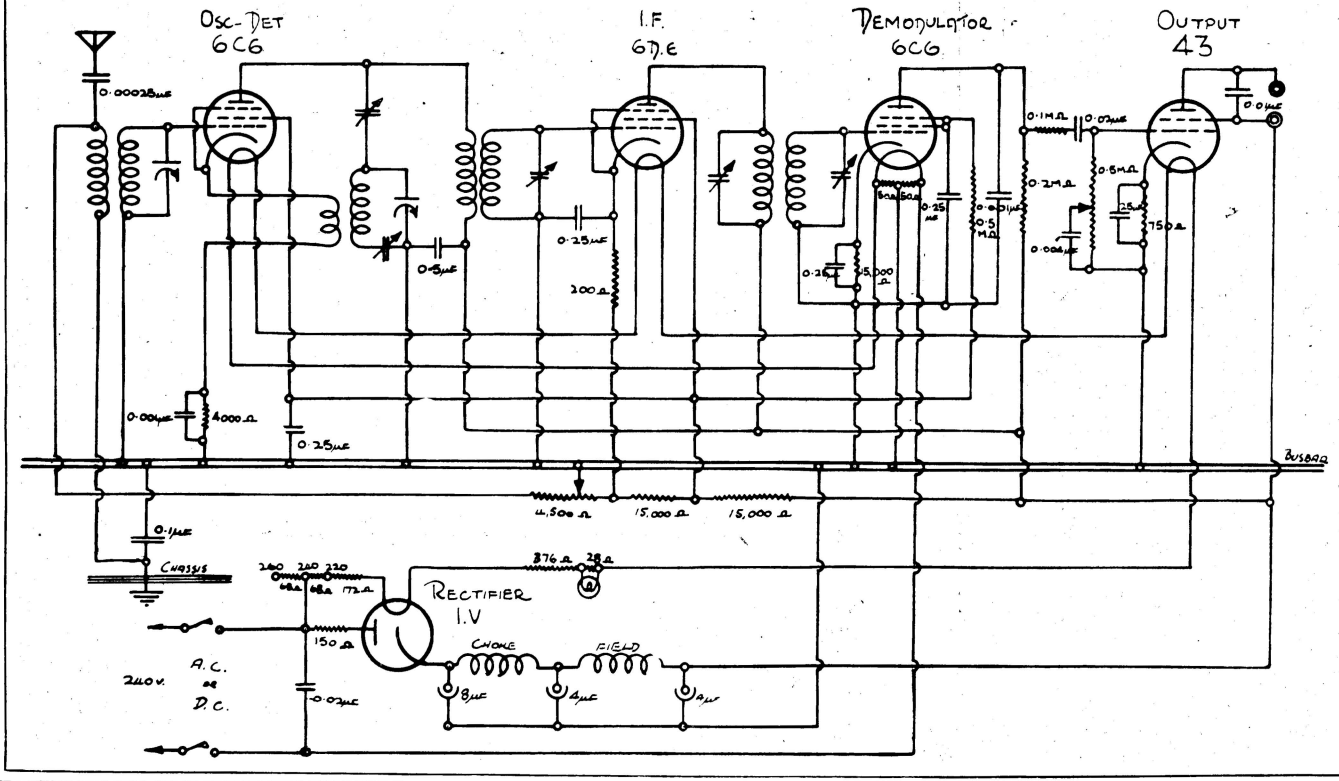
All voltages are measured from the above designated valve prongs to the common negative bus, with volume control at full "on" position, except those marked with an asterisk, which are measured with the volume control at the "off" position.

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

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

W. A. PEPPERDAY & CO. LTD.,
757a George Street, Sydney

RADIO RECEIVER MODEL 584 A.C. or D.C.



CHANGES	STROMBERG – CARLSON (AUSTRALASIA) LIMITED SYDNEY AUSTRALASIA
	DRAWN T.W.S. EXAMINED S.J.W. APPROVED MGR DIRECTOR DATE 7-6-34
	DRAWING No Z 233

SERVICE BULLETIN No. 584 *(Continued)*

Stromberg-Carlson Model 584

UNIVERSAL A.C.-D.C.

Superheterodyne

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 584 Receiver is ideal, in that it operates with equal efficiency on either A.C. or D.C. supplies.

2. INSTALLATION INSTRUCTIONS:

(a) Safety.

Every precaution has been taken to render the 584 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 adjustments 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 584 chassis has been fitted with an automatic switch, 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 is normally protected by two specially selected condensers. Only on the very remote possibility of the *two* condensers breaking down would there be any danger from contact with the aerial circuit.

(c) Voltage Adjustment Panel and Power Connections.

Before leaving the factory the power lead is connected to the 240 volt tapping on the ballast resistor. If the line voltage differs from this, the power lead should be unsoldered from the 240 volt tapping and soldered to the tapping which is marked with the voltage nearest to, but not less than, the measured line voltage in the locality. The voltage tappings for 220, 240, 260 volts are designated on the ballast resistor. The three-wire power cable consists of the two power leads, red and black, and an earth lead, white.

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.

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.**