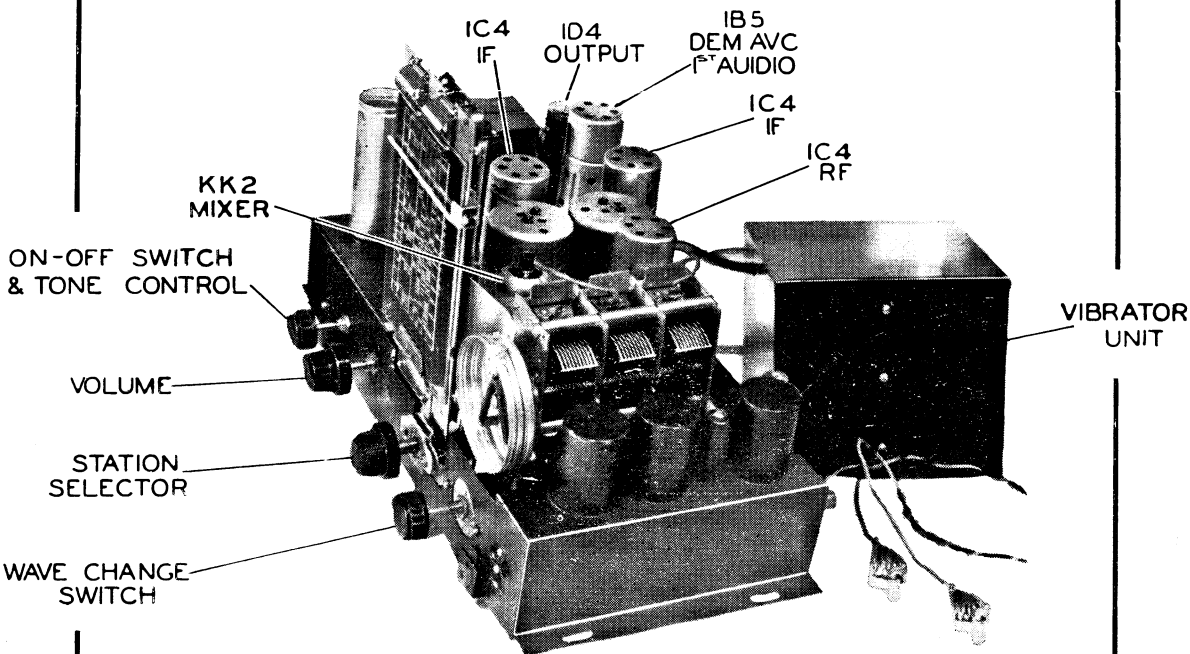


# Stromberg-Carlson

STROMBERG - CARLSON  
SERVICE BULLETIN No. 617

## Stromberg - Carlson Model 617 Superheterodyne

DUAL-WAVE VIBRATOR-OPERATED RECEIVER.



*Chassis of Model 617*

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. 617—Continued.**

**7. VOLTAGES:**

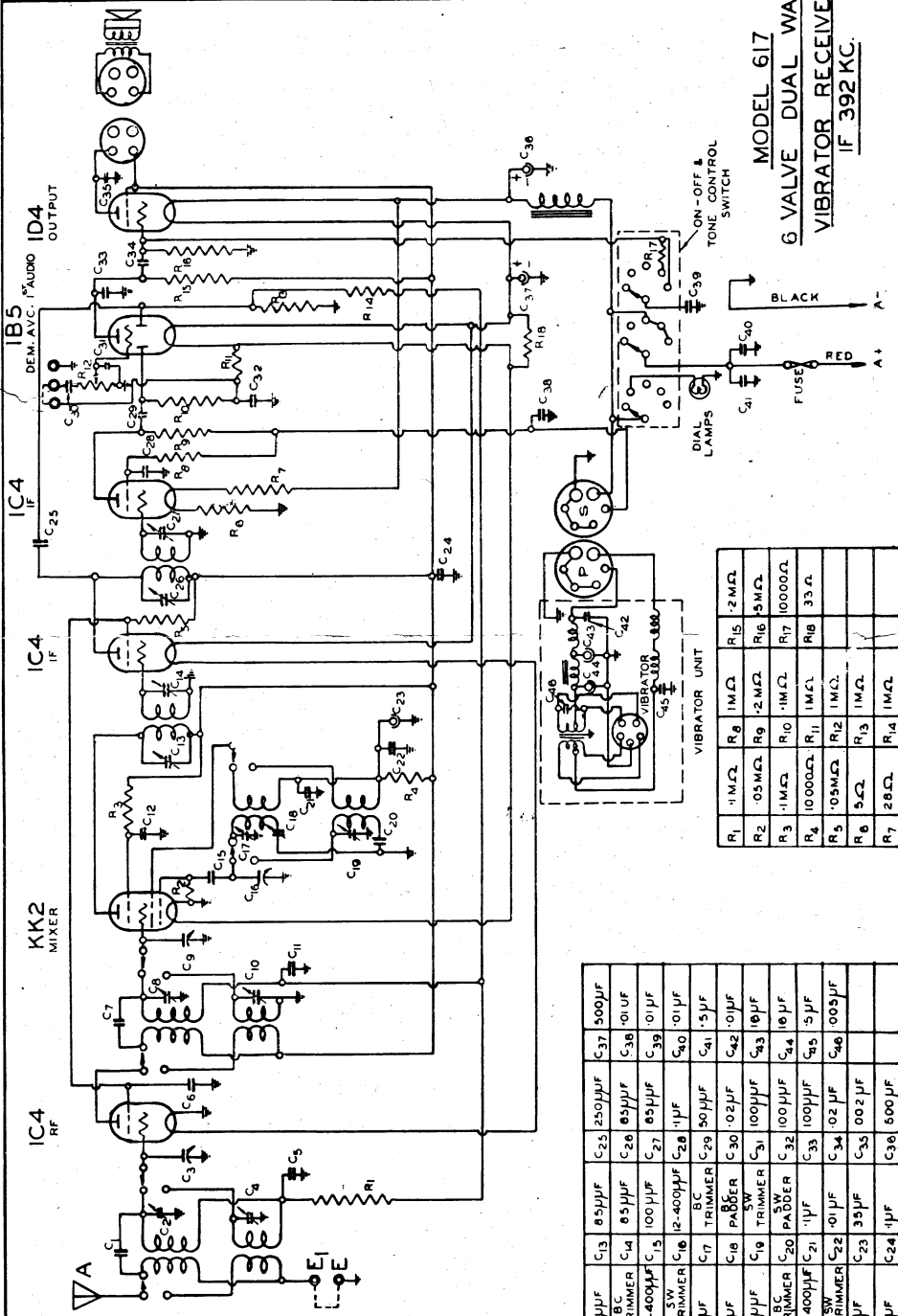
Valve.	Plate.	Screen.	—Bias.
IC4 R.F. . . . . .	140	—	—
KK2 Octode, Pentode Section	140	—	—
KK2 Oscillator Section . . .	130	—	—
IC4 1st I.F. . . . . .	140	—	2
IC4 2nd I.F. . . . . .	40	—	.25
IB5 Dem., A.V.C., 1st Audio	50	—	2
ID4 Output . . . . .	130	140	4

The IC4 screens are series fed from maximum high tension through 0.2 meg., the IC4 2nd I.F. through 1 meg., the KK2 through 100,000 ohms., and the bias for the various valves from the series parallel arrangement of their filaments.

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 B. Martin  
 EXAMINED  
 APPROVED  
 DATE 29-4-37



**MODEL 617**  
**6 VALVE DUAL WAVE**  
**VIBRATOR RECEIVER**  
**IF 392 KC.**

R1	1MΩ	R8	1MΩ	R15	2MΩ
R2	0.5MΩ	R9	2MΩ	R16	5MΩ
R3	1MΩ	R10	1MΩ	R17	10000Ω
R4	10000Ω	R11	1MΩ	R18	33Ω
R5	0.5MΩ	R12	1MΩ		
R6	5Ω	R13	1MΩ		
R7	28Ω	R14	1MΩ		

C1	4μF	C13	85μF	C25	250μF	C37	500μF
C2	TRIMMER	C14	0.5μF	C26	85μF	C38	0.1μF
C3	12-400μF	C15	100μF	C27	85μF	C39	0.1μF
C4	TRIMMER	C16	12-400μF	C28	1μF	C40	0.1μF
C5	1μF	C17	BC TRIMMER	C29	50μF	C41	5μF
C6	1μF	C18	BC PADDER	C30	0.2μF	C42	10μF
C7	4μF	C19	TRIMMER	C31	100μF	C43	10μF
C8	TRIMMER	C20	SW PADDER	C32	100μF	C44	10μF
C9	12-400μF	C21	1μF	C33	100μF	C45	5μF
C10	SW TRIMMER	C22	0.1μF	C34	0.2μF	C46	0.05μF
C11	1μF	C23	35μF	C35	0.02μF		
C12	1μF	C24	1μF	C36	500μF		

**SERVICE BULLETIN No. 617—Continued.**

generator to 1400 K.C. and tune it in. Without touching the oscillator trimmer at all, peak the R.F. and aerial trimmers. Then go to 600 K.C. and readjust the padding condenser if necessary.

The next step is to get the dial calibrations correct. Leaving the generator on 600 K.C., tune it in on the set and adjust the pointer to read 600 K.C. The pointer may be moved by loosening the two screws in the hub of the large friction drive disc and moving this slightly in relation to the gang condenser. Then tighten these screws again. Set the generator to 1400 K.C. and turn the set dial to 1400 K.C. Adjust the oscillator, R.F., and aerial trimmers for maximum signal.

Re-check at 600 K.C. and also at 1000 K.C.. The dial calibrations should now be correct.

**Short-wave Band:**

Keep the selectivity control in mid-position, switch the wave change switch to the short-wave position, and set the generator to 16.5 metres. Adjust the short-wave oscillator trimmer with the gang right out. Then turn the generator to 17 metres and adjust the R.F. and aerial trimmers. The short-wave band should then be correctly adjusted.

**4. OPERATION:****(a) Wave Change Switch:**

This is located at the right-hand side of the chassis, and has two positions. The left position is for broadcast reception between 1500 and 550 K.C. Turning the knob from this position in a clockwise direction switches in the short-wave range.

**(b) On-off Switch and Tone Controls:**

These are controlled by a single five-position knob, located at the left-hand side of the chassis. Turning the knob in a clockwise direction results in the following changes:—

- Position 1: Receiver switched off
- “ 2: Receiver switched on, and dial lights on.
- “ 3: Receiver switched on, and dial lights off, normal reproduction.
- “ 4: Receiver switched on, and dial lights off, high frequencies slightly attenuated.
- “ 5: Receiver switched on, and dial lights off, maximum attenuation of high frequencies.

**5. 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.

**6. PICK-UP JACK:**

Provision is made at the back of the chassis for the attachment of a Phonograph Pick-up. To operate a Pick-up, remove the metal bar from the centre and right-hand jacks and plug the Pick-up leads into the centre and left-hand jacks. Both the volume and tone controls operate on the Pick-up.