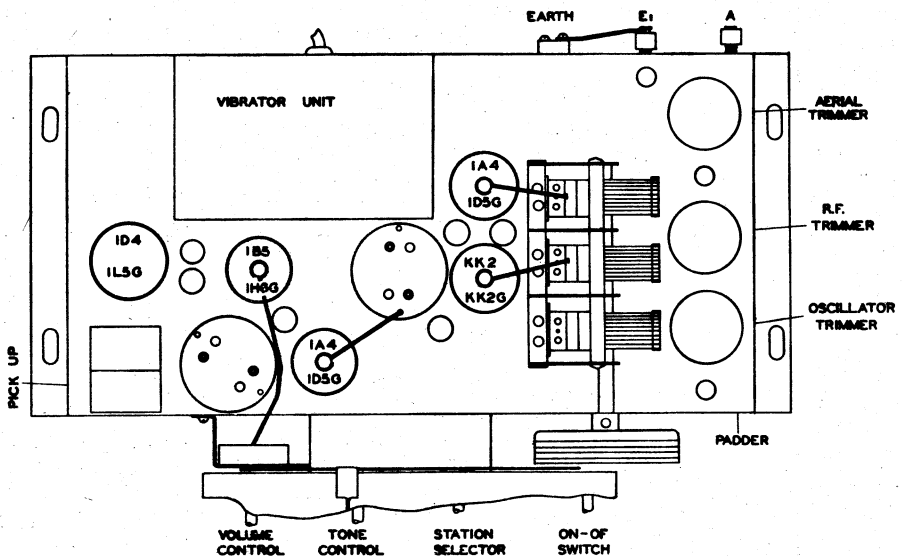


Stromberg - Carlson

STROMBERG - CARLSON SERVICE BULLETIN, No. 18

Stromberg-Carlson Model 18 Superheterodyne

VIBRATOR BROADCAST RECEIVER

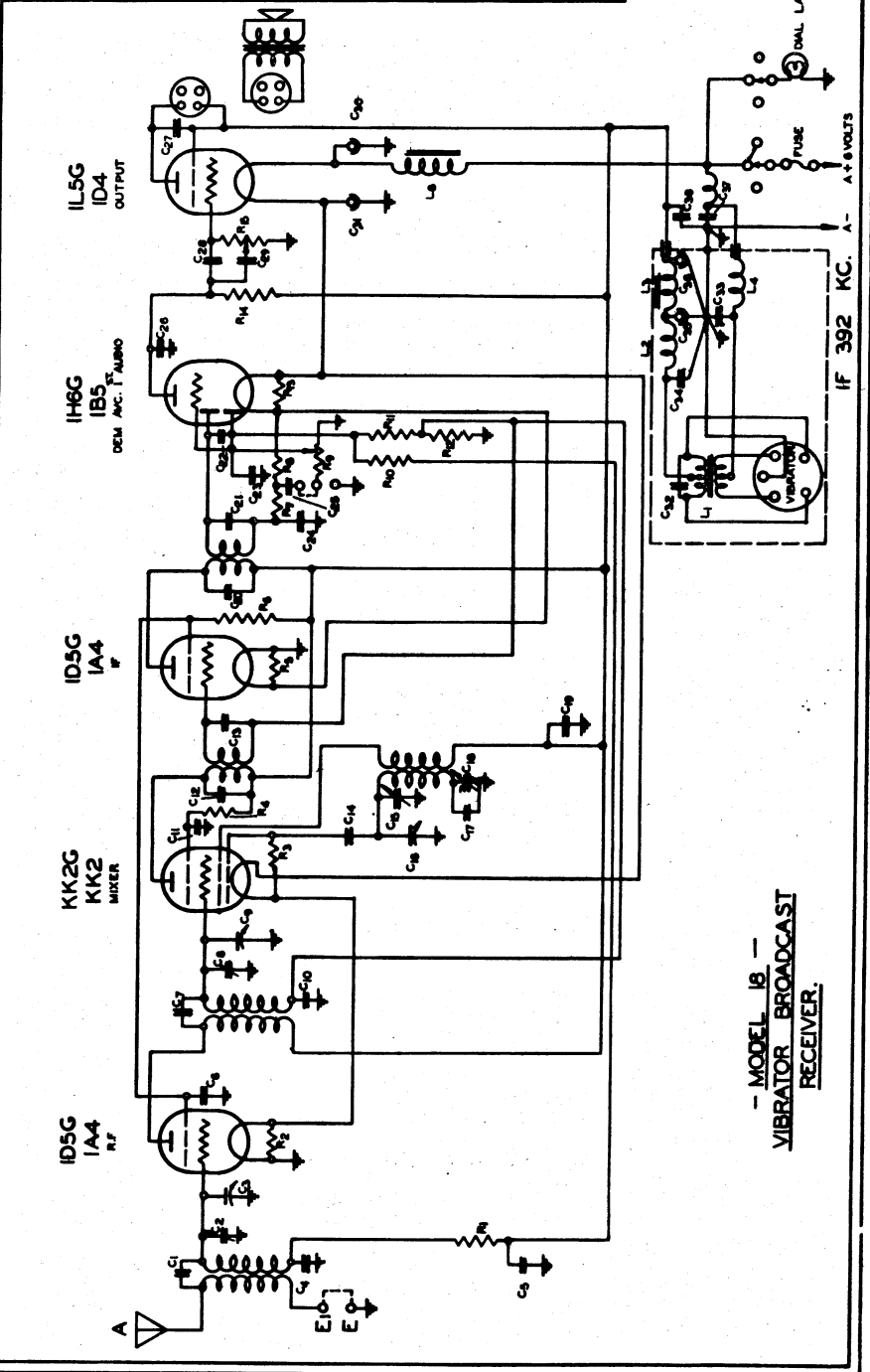


Chassis of Model 18

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CHANGES	STROMBERG - CARLSON AUSTRALASIA PTY. LTD. SYDNEY, AUSTRALIA.	DRAWING NO. 2177. DRAWN B.M. Martin. EXAMINED S.P.O. APPROVED <i>[Signature]</i> DATE 21-8-38.
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- MODEL 18 -
VIBRATOR BROADCAST
RECEIVER.

Broadcast Alignment:

1. Connect oscillator to aerial terminal, adjust to 1500 KC. Turn the Receiver dial to 1500 KC and adjust Broadcast oscillator trimmer till maximum output is obtained.
2. Set oscillator to 1400 KC, and Receiver dial to same frequency. Adjust broadcast RF and aerial trimmers.
3. Set oscillator to 600 KC, and Receiver dial to same frequency. Adjust broadcast padder till the oscillator signal is heard. Then, while rotating the gang to and fro about 600 KC, complete the padder adjustment for maximum output.

Repeat the three operations.

MODIFICATION TO DESIGN

<u>Modification</u>	<u>Result</u>	<u>Refer to Service Bulletin No.</u>

S T R O M B E R G - C A R L S O N

Page 4.

IMPORTANT: To prevent excessive hum and vibration the vibrator box must float freely on its rubbers. In transit the box is held rigid by a block of wood, a steel rod, and wing nut. Remove this when set is to be used, but replace for transporting. See instructions attached to receiver for method of removing the block and steel rods.

OPERATION: Looking at the front of the chassis and reading from left to right the four controls are as follows:-
Volume -- Tone -- Station Selector -- Battery Switch.

Battery Switch: This has three positions.

Position 1 (Anticlockwise)	Receiver off.	
" 2 (Middle)	Receiver on, Dial Lights	On.
" 3 (Clockwise)	Receiver on, Dial Lights	Off.

Tone Control: Turn the knob clockwise to increase the high frequency response of the Receiver.

Pick-up Jacks: These are located at the left hand end of the chassis. To use a pick-up, remove the metal bar between the centre and back jacks and insert the pick-up leads in the centre and front jacks. The tone and volume controls both operate the pick-up. Replace the shorting bar in its original position when the radio is to be used again.

VALVES AND VOLTAGES

The location of all valves is shown on page 1. The grid bias for the valves is automatically obtained from the series parallel arrangement of filaments.

DON'T REMOVE VALVES WHILE SET IS SWITCHED ON.

VALVE		PLATE	SCREEN
1D5G - 1A4	RF	140	60
KK2G - KK2	Octode Section	140	60
	Triode Section	140	--
1D5G - 1A4	IF	140	60
1H6G - 1B5	Dem. AVC. 1st Audio	80	--
1L5G - 1D4	Output	140	140

ALIGNMENT INSTRUCTIONS

Refer to drawings of chassis layout for the location of the trimming adjustments. No attempt should be made to adjust these unless a competent service man equipped with a calibrated oscillator and output meter is available.

IF Alignment: Set the oscillator to 392 KC, and connect to the grid of the KK2 valve. Turn the volume and tone controls full on. Adjust the four trimmers on the two IF transformers for maximum gain.