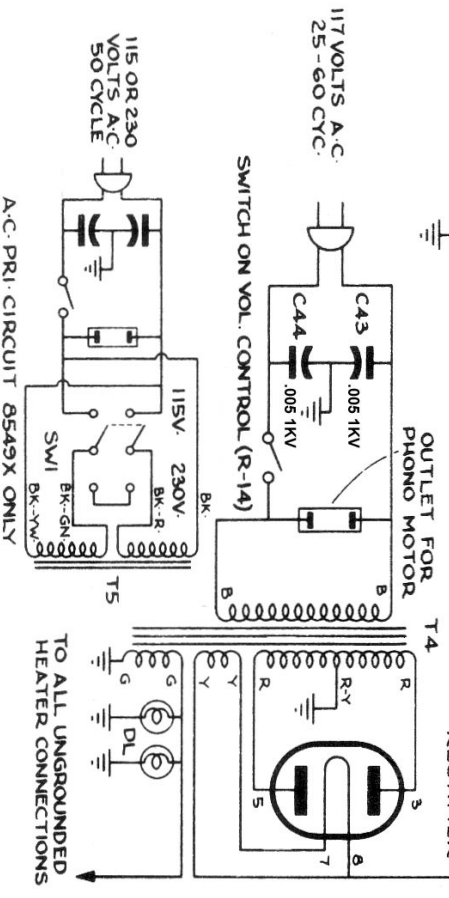


**L1** ANT. COIL  
**L2** R.F. COIL  
**L3** OSC. COIL  
 BOTTOM VIEW OF PUSH BUTTON SWITCH IN B/C POSITION  
**SW2**

# Sparton 8549 & 8549X A.C. Receiver

RCC - Sparton Data Sheet 115 - 1947-48



# Sparton 8549 & 8549X A.C. AM/SW Receiver

## Alignment, Chassis Layout, Dial Cord Stringing.

Adjust Signal Generator to 455 Kcs and connect to the top lug of the selector section ClB by means of a .01 capacitor. Push button marked B/C and tune the dial to 1500 Kcs. Adjust trimmers Cl9P, Cl9S, Cl8P, Cl8S for maximum output at the Voice Coil. Reduce the input as each stage is aligned to maintain an output of approximately 1.25 V at the Voice Coil.

- "D" -- Push button marked D and tune dial to 21 Mcs. Adjust Sig. Gen. to 21 Mcs and adjust Cl2 for the second peak out from tight. Connect Sig. Gen. to selector section ClA by means of a .01 capacitor and adjust C7 for maximum output on the first response out from tight. **CAUTION:** Rock the dial while this adjustment is made. Connect the Sig. Gen. to the antenna terminal by means of a 200 ohm resistor and adjust C2 for maximum output.
- "C" -- Push button marked C and tune dial to 15 Mcs. Adjust Sig. Gen. to 15 Mcs and connect to ClB. Adjust Cl3 for the second peak out from tight. Connect Sig. Gen. to ClA and adjust C8 for maximum output on the first response out from tight. Rock the dial. Connect Sig. Gen. to the antenna terminal by a 200 ohm resistor and adjust C3 for maximum output.
- "B" -- Push button marked B and tune dial to 7.2 Mcs. Adjust Sig. Gen. to 7.2 Mcs and connect to ClB. Adjust Cl4 for the second peak out from tight. Connect Sig. Gen. to ClA and adjust C9 for maximum output on the first response out from tight. Rock the dial. Connect Sig. Gen. to the antenna terminal by a 200 ohm resistor and adjust C4 for maximum output.
- "A" -- Push button marked A and tune dial and Sig. Gen. to 4.4 Mcs and connect to ClB. Adjust Cl5 for a peak. Connect Sig. Gen. to ClA and adjust Cl0 for maximum output on first response out from tight. Rock the dial. Connect Sig. Gen. to the antenna terminal by a 200 ohm resistor and adjust C5 for maximum output.
- "B/C" -- Push button marked B/C and tune dial and Sig. Gen. to 1500 Kcs and connect to ClB, adjust Cl6 for maximum response. Tune dial and Sig. Gen. to 600 Kcs. Adjust Cl7 for maximum response. Recheck Cl6 at 1500 Kcs and Cl7 at 600 Kcs if necessary. Connect Sig. Gen. to ClA, dial and Sig. Gen. at 1500 Kcs, and peak Cl1 for maximum output. Connect Sig. Gen. to antenna terminal and adjust C6 for maximum output.

Repeat the alignment of all bands, starting with the D band, but leave the Sig. Gen. connected to the antenna terminal, by means of a 200 ohm resistor, for all adjustments. On all bands the image should be found 910 Kcs lower in frequency than the true response frequency.

