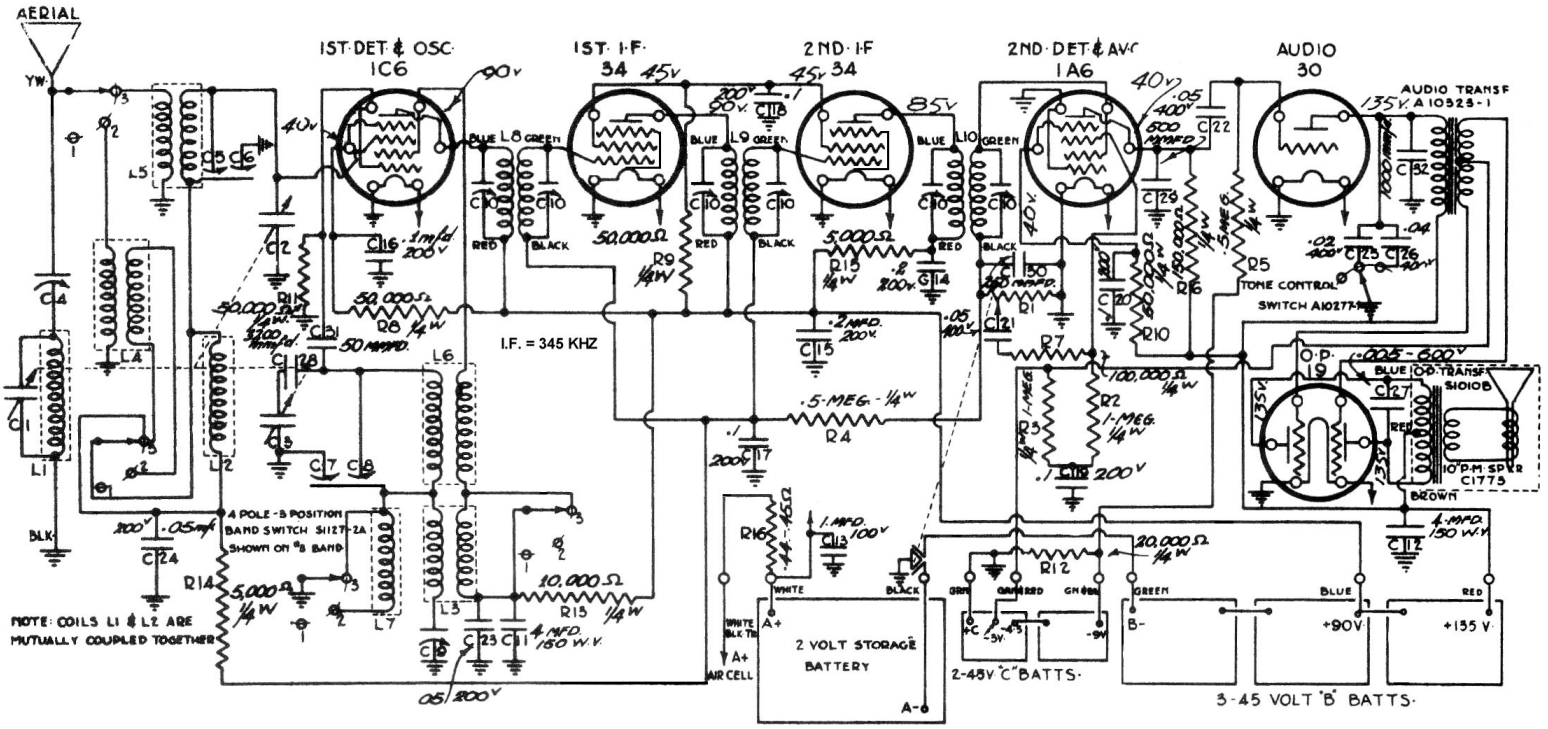
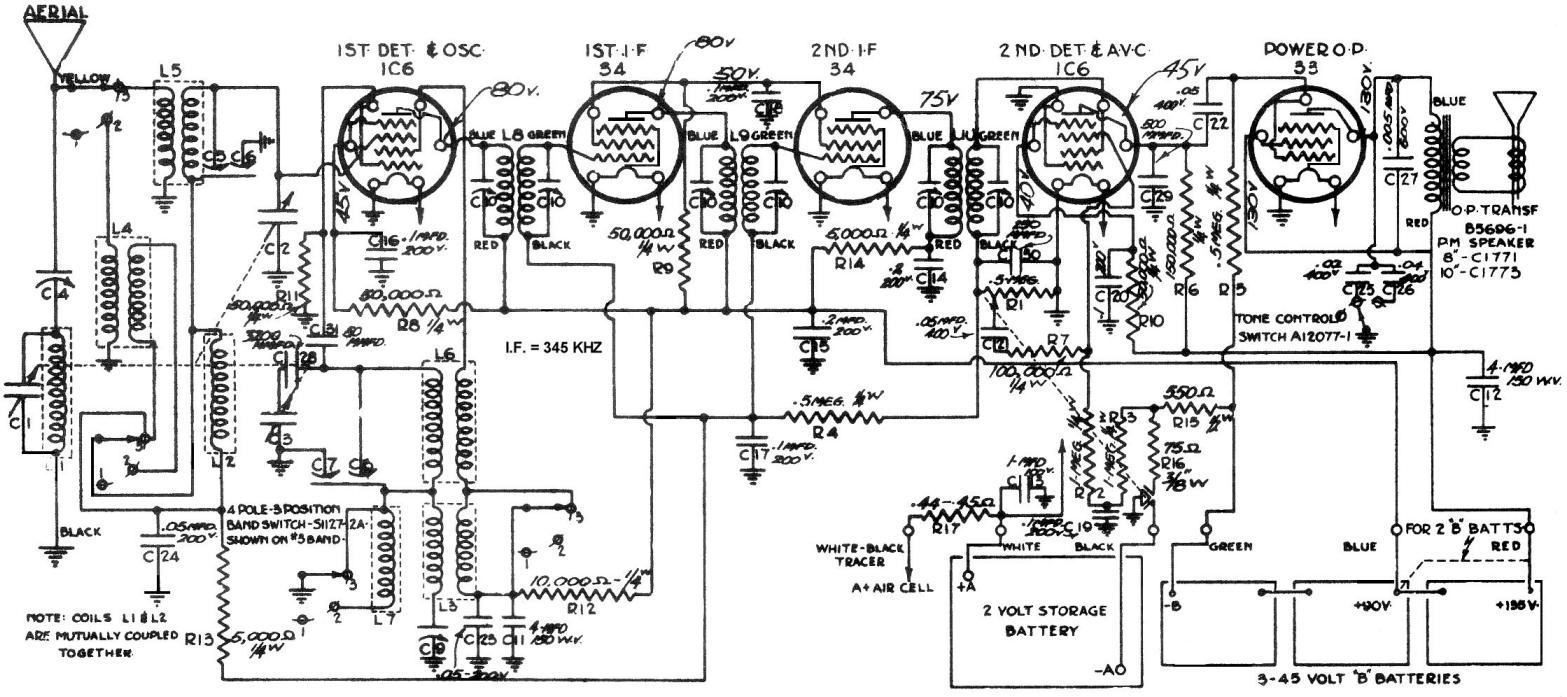
Sparton Model 968 Battery Operated Receiver



Sparton Model 955 Battery Operated Receiver



Sparton Models 955 & 968 Battery Receiver

ALIGNMENT PROCEDURE

NOTE—Before commencing alignment make sure that the dial is set so that with the selector plates in flush, the pointer points to the last division on the broadcast scale.

1. INTERMEDIATE FREQUENCY AMPLIFIER—Set service oscillator at 345 K.C. and with test lead attached to 1C6 (converter) grid cap adjust the six condensers (C10) for maximum reading on the output meter.

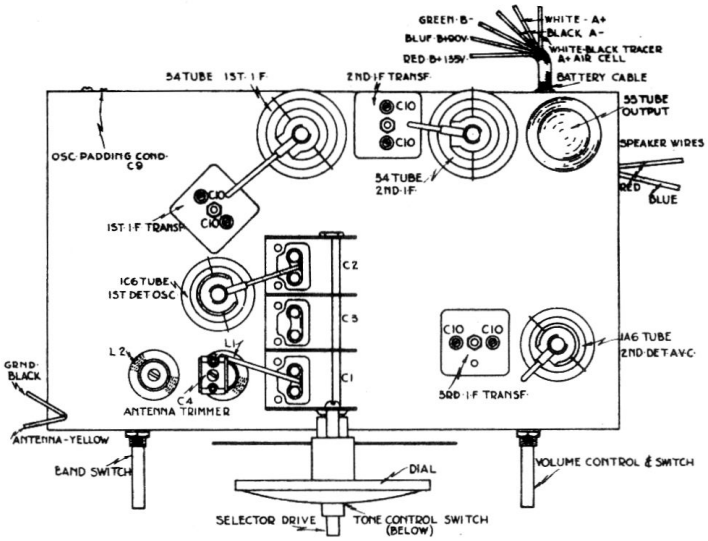
2. OSCILLATOR TRIMMER—Set service oscillator at 1500 K. C. and connect test lead to yellow aerial lead, adjust trimmer C7 until with signal tuned in dial points to 150.

3. OSCILLATOR PADDER — Set service oscillator at 600 K. C., and adjust padder (C9) until with signal tuned in dial points to 60. Re-check at 1500 K. C. as above in section 2.

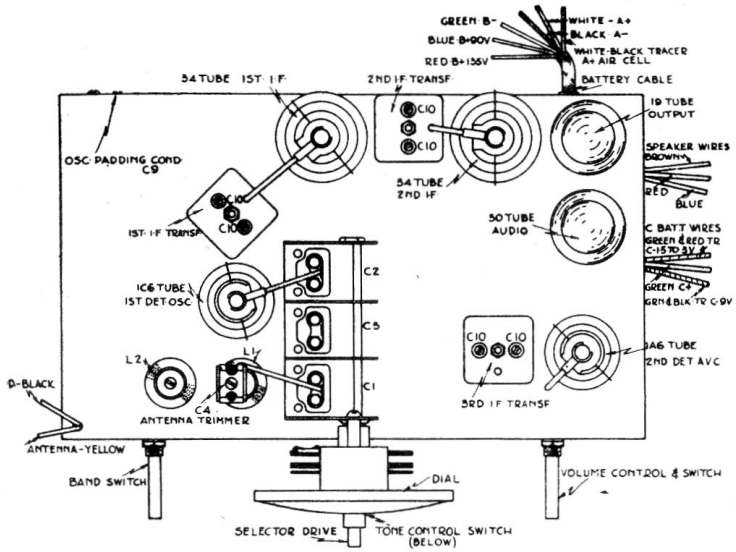
4. R. F. TRIMMERS—With service oscillator tuned to 1500 K. C., and set tuned to that frequency, adjust C6 and C4 for maximum output.

SHORT WAVE ALIGNMENT

1—With service oscillator set at 15,000 K. C. and band switch turned to the red position, adjust trimmer C8 until with signal tuned in dial points to 15 on the red band.



CHASSIS LAYOUT **MODEL 955**



CHASSIS LAYOUT **MODEL 968**

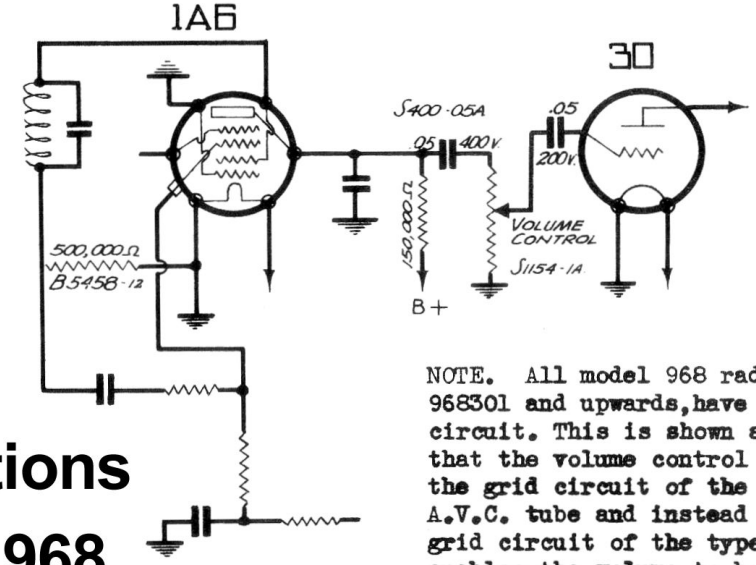
2. Adjust the short wave R. F. trimmer (C5) to point of greatest output. The trimmer should then be turned a very small amount (about 1-16 turn) to the right to increase capacity slightly.

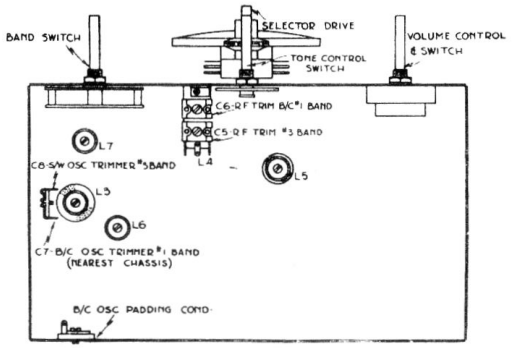
This completes the alignment, there is no adjustment on the green band, this falls in with the other bands.

WARNING—Do not bend the selector plates, this would destroy the selector alignment.

NOTE—In some cases better results will be obtained if C4 (the antenna trimmer) is readjusted with the set tuned to a broadcast station at 1400 K. C., and the set connected to the aerial with which it is to operate.

CAUTION—With the oscillator set at 1500 K.C. two signals can be heard in the receiver, one at 15000 K.C. and the other at 14310 K.C Do not mistake the latter signal for the former. In aligning the receiver at 15000 K.C. the signal of highest frequency is the correct oneand the receiver is adjusted to it. After the alignment is made check to see if a second signal is heard at 14310 K.C. If so you will have been using the correct signal for the alignent.





BOTTOM VIEW OF MODELS 955 & 968

NOTE. All model 968 radios, serial number 968301 and upwards, have a new volume control circuit. This is shown above. You will notice that the volume control has been removed from the grid circuit of the type 1A6 detector and A.V.C. tube and instead has been placed in the grid circuit of the type 30 audio tube. This enables the volume to be turned completely off.

Alignment Instructions For Models 955 & 968