

Model CMB1000M - Differences from Model CMB1000

Model CMB1000M is a five tube two band superheterodyne receiver designed for operation on a 1½ volt "A" battery and a 90 volt "B" battery.

This receiver is fundamentally the same as the Model CMB1000 receiver with the exception of the short wave range which covers a lower frequency range. The CMB1000 Service Data should be used for servicing with the exception of the following changes which have been incorporated in the CMB1000M receiver:

Range Switch;

Position 3 Short Wave Range 1.85 to 6.25 Mc.

Schematic Diagram;

- L1, L2 - SW Antenna Coil becomes Part No. 070-186
- L3 - Shorted Loop Assembly removed
- L5, L6, L7 - SW Oscillator Coil becomes Part No. 070-187
- C4 - add 1265 uuf 13% mica capacitors Part No. 512-071
- C7 - Tubular Condenser becomes .027 uf 200 volts Part No. 515-468

The CMB1000M calibrated dial scale becomes Part No. 331-126

The CMB1000M schematic diagram is identical to the CMB1000 with the exception of the SW coils and their circuits which are shown on the attached drawing.

Alignment Instructions:

The I.F. and Standard Broadcast Bands may be aligned in accordance with the procedure set forth in the CMB1000 service manual. To align the new short wave band proceed as follows:

1. Connect a 100 uuf capacitor between the output of the signal generator and the antenna terminal of the receiver or use a standard dummy antenna with a 200 uuf capacitor in series.
2. Set the receiver wave band switch to the short wave band (3rd position).
3. Set the signal generator and receiver to 6.0 mc.
4. Unscrew the oscillator SW trimmer C11 approximately 3 turns from tight.
5. Turn C11 adjustment clockwise until first output peak is obtained and adjust for maximum output using this peak.
6. Adjust SW antenna trimmer C9 for maximum output.
7. Adjust signal generator and receiver tuning to 1.9 mc.
8. Adjust SW oscillator padder C8 for maximum output.
9. Return signal generator and receiver to 6.0 mc.
10. Rock the gang tuning capacitor slowly back and forth while readjusting SW antenna C9 trimmer for maximum output.

