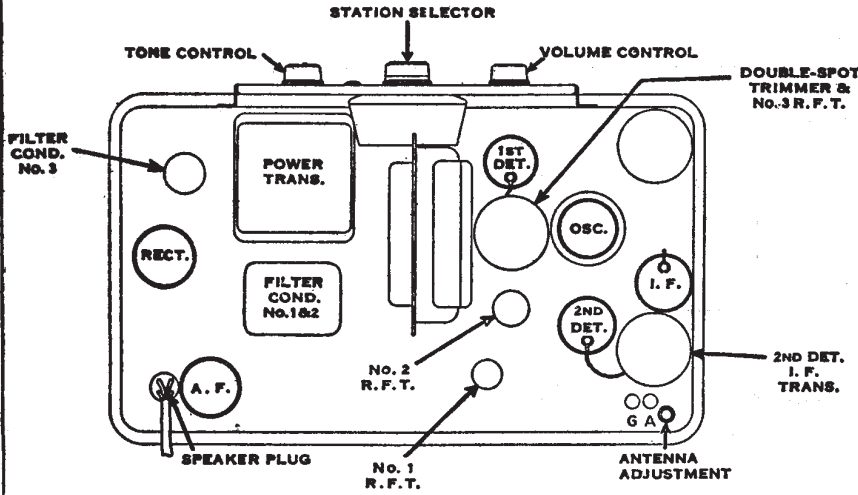


MODEL 80, 80-F  
83, 83-F

ATWATER KENT MFG. CO.



Condensers in Multiple By-pass Model 80, 80-F, 83, 83-F

- 1—Tone-control condenser.
- 2—Tone-control condenser.
- 3—1st-detector—I. F. screen by-pass.
- 4—I. F. bias by-pass.
- 5—2nd-detector bias by-pass.
- 6—Phone condenser.
- 7—2nd-detector—A. F. coupling condenser.
- 8—2nd-detector screen by-pass.
- 9—Quality condenser.
- 10—1st-detector plate filter condenser.
- 11—A. F. bias by-pass.
- 12—1st-detector bias by-pass.

TOP VIEW OF MODEL 83, 83-F.

The circle in the upper right-hand corner is the shield that covers the coupling unit between the 1st-detector and the I. F. tubes.

The numbers given above correspond with the numbers marked upon the multiple condenser unit.

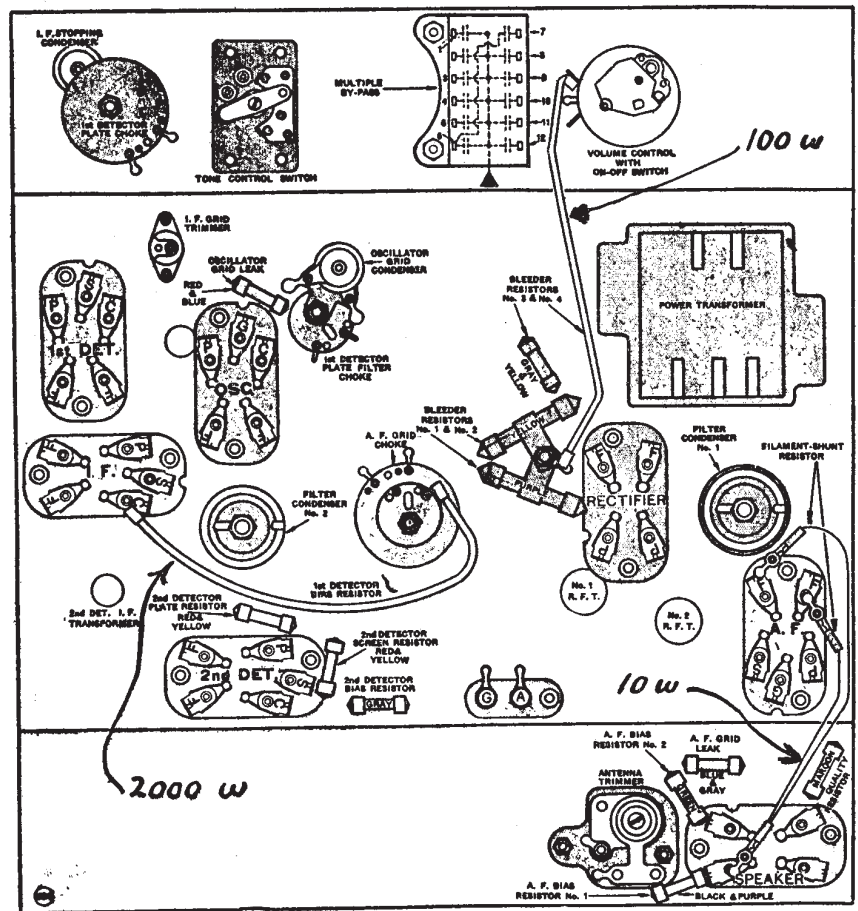


CHART OF MODEL 80, 80-F.

The parts on Model 83, 83-F are similar except that Model 83, 83-F has a filter condenser unit and only one electrolytic condenser.

|          | Plate | Screen | Control |
|----------|-------|--------|---------|
| 1st Det. | 225   | 90     | 5.      |
| I-F      | 230   | 95     | 2.      |
| 2nd Det  | 110   | 45     | 5.      |
| 1st A-F  | 230   | 240    | 4.      |
| 2nd A-F  | 100   |        | *       |
| Osc      |       |        |         |

\* A variable depending upon several factors. Capacity of voltmeter leads may cause oscillator tube to cease functioning.