

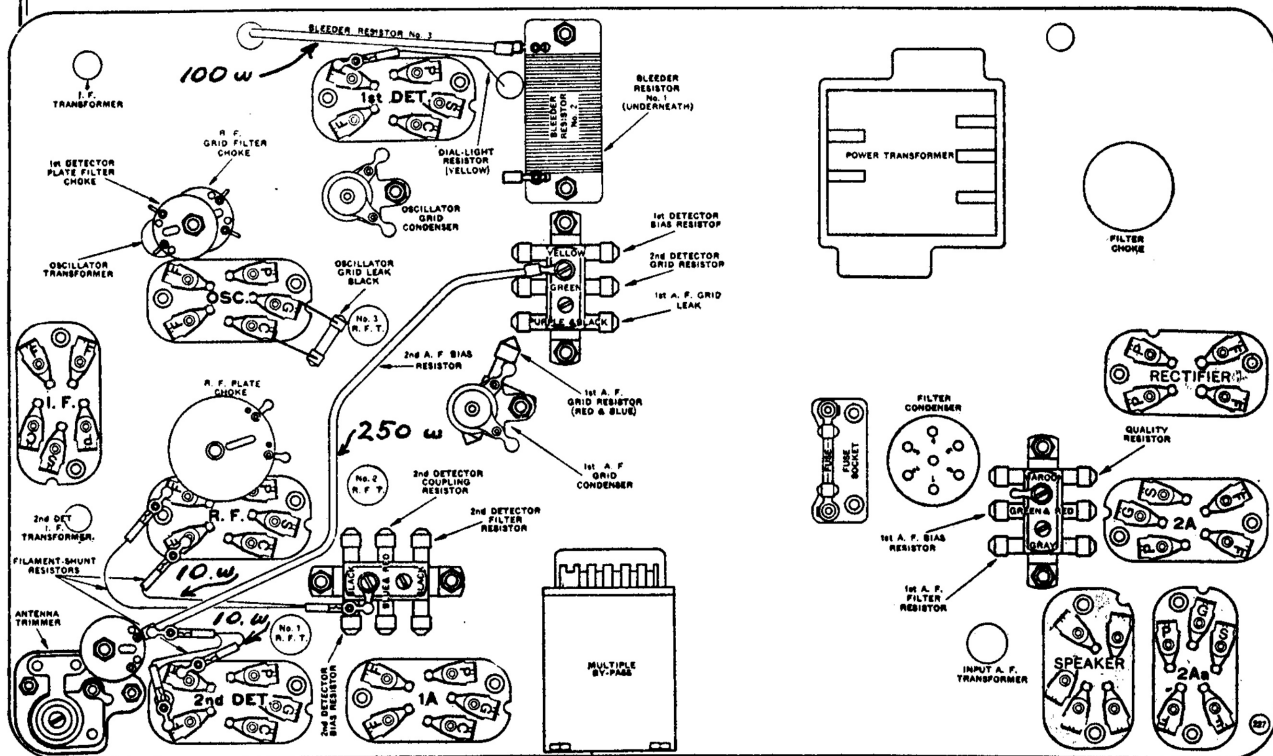
MODEL 87
1st Type
Below serial
2,525,871

ATWATER KENT MFG. CO.

BYPASS CONDENSERS: All bypass condensers located within the multiple unit are rated at 200 volts. The numbers shown within circles adjacent to the bypass condensers correspond with the numbers shown within the multiple bypass unit shown in connection with the schematic diagram. The multiple condenser unit is not marked with numbers. The condensers and numbers closest to the mounting holes represent the side of the condenser nearest the mounting holes.

FILTER CONDENSERS. The numbers in circles correspond with the numbers marked upon the filter unit. The following are the connections.

- | | |
|--------------|---|
| Filter # 1 | 2.0 mfd connected between terminals (1) and (4) |
| Filter # 2 | 2.3 mfd connected between terminals (2) and (4) |
| Filter # 3 | 2.3 mfd connected between terminal (6) and can |
| 1st A-F Bias | .5 mfd connected between terminal (3) and center stud |
| Hum | .25 mfd connected between terminals (4) and (5) |
| | .1 mfd connected between center stud and can |
| | .1 mfd connected between terminal (2) and can |



Condensers in Multiple By-pass Model 87

The internal connections of the multiple by-pass are shown

- | | | | |
|---------------------------------------|---|--------------------------------|---|
| 1—1st-detector plate filter condenser | 4—2nd-detector grid-circuit by-pass. | 7—R. F. grid filter condenser. | 10—2nd-detector filter condenser, |
| 2—1st-detector bias by-pass. | 5—2nd-detector—1st-A. F coupling condenser. | 8—Quality condenser. | 11—R. F.—1st-detector—I. F. screen by-pass. |
| 3—R. F.—I. F. bias by-pass. | 6—Phone condenser | 9—2nd-detector bias by-pass. | |