



TYPE CIRCUIT: 5 Valve Vibrator Powered Dual-Wave Superhet. with delayed A.V.C.
 TUNING SYSTEM: Philco friction driven, slide rule scale type with automatic take-up. B/cast stations "zoned" and B/cast band calibrated in kilocycles. Short wave calibration in megacycles.
 POWER CONSUMPTION: .9A without lamps
 1.2A with lamps.
 ALIGNMENT FREQUENCIES: B'cast 1,500 and 600 Kcs. S.W. 18 M.C.

POWER SUPPLY: 6 Volt Battery.
 VALVES USED: 1 type 1C7G Detc. Osc., 1 type 1M5G I.F., 1 type 1K7G Second Detc., 1st Audio and A.V.C., 1 type 1L5G output pentode.
 VOLUME CONTROL: 500,000 ohms graphite type.
 INTERMEDIATE FREQUENCY: 462.5 k.c.
 SPEAKER: 6" Philco type 186S
 FREQUENCY COVERAGE: 18-5.7 m.c. 1500-550 k.c.

Philco 84 MV

COMPONENTS.

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| 1. Wave-Trap Complete | 23. 1st Inter. Trans. | 45. Cond. .006 mfd 400V. |
| 2. " " Trimmer | 24. 1st Inter. Plate Trim. | 46. Speaker Transformer |
| 3. Wave-change switch | 25. 1st Inter. Grid Trim. | 47. Cond. 4-x 8 mfd. Electro |
| 4. Aerial Coils S.W. | 26. 2nd Inter. Trans. | 48. Filter choke |
| 5. Osc. Coils B.C. | 27. 2nd Inter. Grid Trim. | 49. Cond. 4 x 8 mfd Electro |
| 6. Condenser 25 mmfd | 28. 2nd Inter. Plate Trim. | 50. 500 mfd 12V Condenser |
| 7. Resistor 17 ohms 120 M.A. | 29. Cond. 12 mmfd mica | 51. .25 mfd 400V condenser |
| 8. " 50T ohms $\frac{1}{2}$ watt | 30. Cond. .00045 mfd mica | 52. Low Tension choke |
| 9. Condenser .1 mfd 400V | 31. Resis. 1 meg $\frac{1}{2}$ watt | 53. Battery switch |
| 10. Condenser .1 mfd 400V | 32. Cond. .00025 mfd mica | 54. Pilot lamp |
| 11. S.W. H.F. Aer. Trimmer | 33. Resis. 1 meg $\frac{1}{2}$ watt | 55. Fuse |
| 12. B.C. H.F. " " | 34. Resis. 100T $\frac{1}{2}$ watt | 56. 6 Volt Battery |
| 13. B.C. H.F. Osc. " | 35. 500T Volume control | 57. Vibrator Case |
| 14. S.W. H.F. " " | 36. Cond. .01 mfd 400V | 58. .005 mfd mica condenser |
| 15. 2 Gang condenser | 37. Cond. .00015 mfd mica | 59. H.T. R.F. Choke |
| 16. Condenser .0045 (Cer.) | 38. Cond. .01 mfd 400V | 60. Vibrator Transformer |
| 17. " .00045 Mica | 39. Cond. 200 mfd 10V elec. | 61. Low Tension Choke |
| 18. Pad condenser | 40. Resis. 250T $\frac{1}{2}$ watt | 62. 800 mmfd mica condenser |
| 19. Junct. strip (double) | 41. Resis. 1 meg $\frac{1}{2}$ watt | 63. Vibrator |
| 20. Resis. 10T ohms $\frac{1}{2}$ W. | 42. Resis. 1 meg $\frac{1}{2}$ watt | 64. Condenser .005 mfd ceramic |
| 21. " 25T | 43. Cond. .05 mfd 200V | 65. .5 mfd condenser 400V |
| 22. Conden. .00045 mfd mica | 44. Resis. 1 meg $\frac{1}{2}$ watt | 66. 400 mmfd mica condenser |