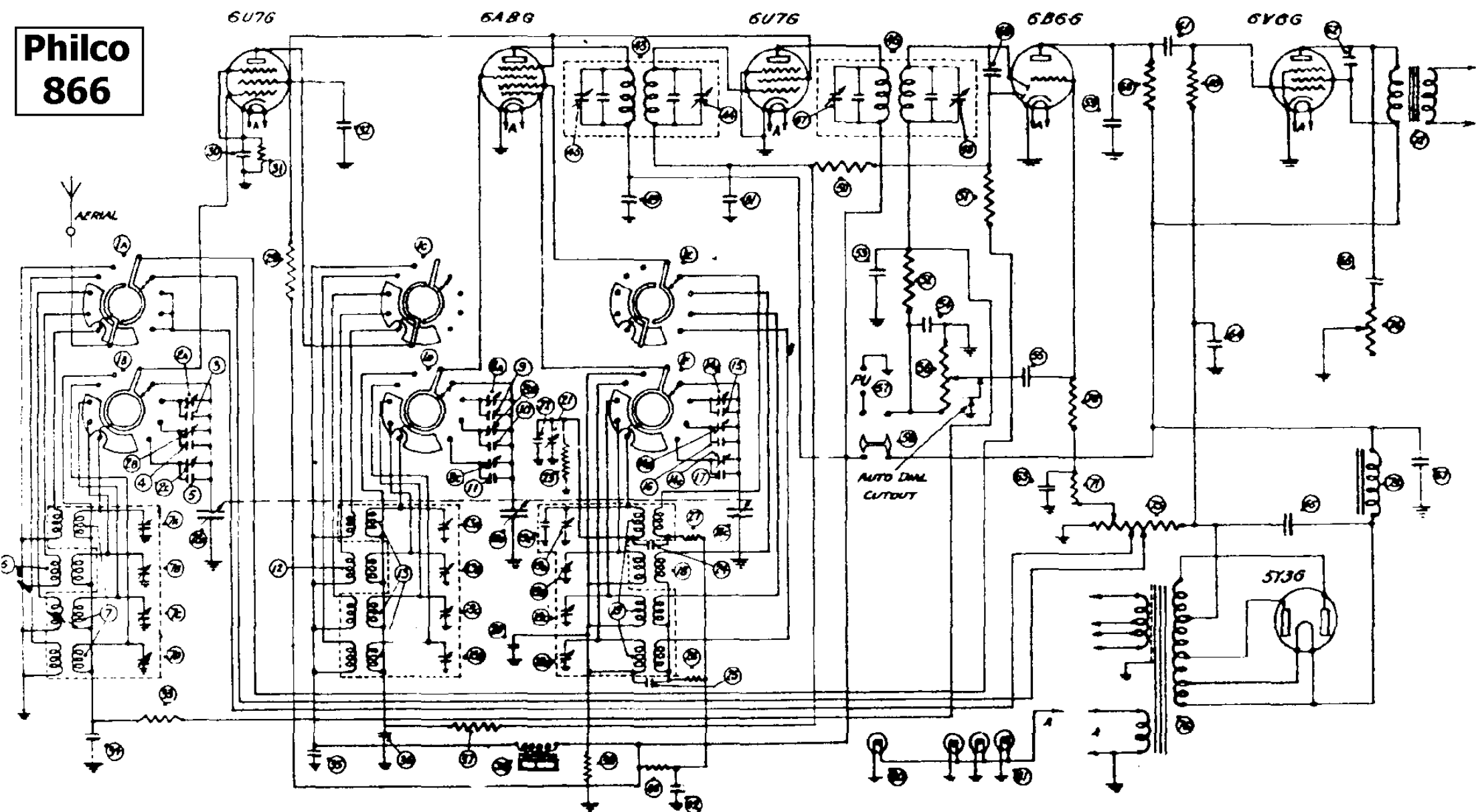


Philco 866



TYPE CIRCUIT: 6 valve A.C. spread Band Sup-
het. with dual delayed A.V.C.
TUNING SYSTEM: Mechanical Aut. tuning is in-
corporated in this receiver. 19
buttons are provided making it pos-
sible to set up for practically any
reasonable combination of stations.
SPEAKER: 10 inch Philco Type 180

VALVES USED: 1 type 6U7G R.F. Amp; 1 type 6A8G
converter; 1 type 6U7G Inter. Freq. amp.; 1
type 6B6G Second detc. 1st Audio, and dual
channel A.V.C.; 1 type 6V6G output; 1 type
5Y3G rectifier.
VOLUME CONTROL: 500K ohm. graphite type.
INTERMEDIATE FREQUENCY: 262.5 K.C.
ALIGNMENT FREQ.: 1,500 and 550 Kcs.

- | | | |
|----------------------------|--|--|
| 1. Wavecharge switch | 16. 50 mmf. Ceramic Cond. | 46. 2nd Inter. trans. |
| 1A & B. Aerial sections | 17. 50 mmf. Ceramic Cond. | 47. 2nd Inter. prim. trim. |
| 1C & D. R.F. Sections | 18. 5.6-7.5 M.F. Osc. coil | 48. 2nd Inter. sec. trim. |
| 1E & F. Osc. sections | 19. Osc. coil assembly | 49. .1 mf 400V condenser |
| 2. 3 Bank padder | 19A B/cast Osc. trim. | 50. 1 meg $\frac{1}{2}$ W. resistor |
| 1A 5.6 M.C. Aer. pad. | 19B 7.5 M.C. " " | 51. 1 meg $\frac{1}{2}$ W. resistor |
| 1B 9.3 M.C. Aer. pad. | 19C 12.0 M.C. " " | 52. 100000 ohm $\frac{1}{2}$ W. resistor |
| 1C 14.0 M.C. Aer. pad. | 19D 18.0 M.C. " " | 53. 200 mmf. mica condenser |
| 3. 50 mmf. Ceramic cond. | 20. .006 mf. Ceramic con. | 54. 150 mmf. mica condenser |
| 4. 50 mmf. Ceramic cond. | 21. B/cast pad. cond. | 55. .01 mf. 400V condenser |
| 5. 50 mmf. Ceramic cond. | 22. 730 mmf. mica cond. | 56. 500000 ohm. Vol. con. 1" shaft |
| 6. 5.6-7.5 M.C. Aer. coil | 23. 50.000 ohm $\frac{1}{2}$ W. Resis. | 57. Pickup Jacks |
| 7. Aer. (A) coil assem. | 24. 400 mmf. mica Cond. | 58. 2 Way rotary switch |
| 7A B/cast aer. trim. | 25. .001 mf. Simp. mica con | 59. 200 mmf. mica condenser |
| 7B 7.5 M.C. aer. trim. | 26. 25000 ohm. resistor | 60. 400 mmf. mica condenser |
| 7C 12.0 M.C. aer. trim | 27. 25000 ohm $\frac{1}{2}$ W resis. | 61. .01 mf. 400V. condenser |
| 7D 18.0 M.C. aer. trim. | 28. 3 Gang condenser | 62. .006 mf. 400V. condenser |
| 8. 3 Bank padder | 29. 25000 ohm 2W resis. | 63. .05 mf 200V. condenser |
| 8A 5.6 M.C. R.F. pad. | 30. .1 mmf. V Cond. | 64. 10 mf 25V. elec. condenser |
| 8B 9.3 M.C. R.F. pad. | 31. 300 ohm wire resis. | 65. .05 mf 400V. condenser |
| 8C 14.0 M.C. R.F. pad. | 32. .1 mf 400V Cond. | 66. 8 mf 500V. elec. condenser |
| 9. 50 mmf. Ceramic Cond. | 33. 1 meg $\frac{1}{2}$ W resis. | 67. 8 mf 375V. elec. condenser |
| 10. 50 mmf. Ceramic Cond. | 34. .05 mf. 200V Cond. | (regulating type) |
| 11. 50 mmf. Ceramic Cond. | 35. .1 mf 200V Cond. | 68. 250000 ohm $\frac{1}{2}$ W resistor |
| 12. 5.6-7.5 M.C. R.F. coil | 36. .05 mf 200V Cond. | 69. 500000 ohm $\frac{1}{2}$ W resistor |
| 13. R.F. (B) coil assemb. | 37. 100000 ohm $\frac{1}{2}$ W. resis. | 70. 1 meg $\frac{1}{2}$ watt resistor |
| 13A B/cast R.F. trim. | 38. Shadow tuning meter | 71. 500000 ohm $\frac{1}{2}$ W. resistor |
| 13B 7.5 M.C. R.F. trim. | 39. 50000 ohm $\frac{1}{2}$ W. resis. | 72. Speaker transformer |
| 13C 12.0 M.C. R.F. trim. | 40. 10000 ohm $\frac{1}{2}$ W. resis. | 73. Speaker field coil |
| 13D 18.0 M.C. R.F. trim. | 41. Pilot lamps 6.3V. | 74. 25000 ohm moulded type con. |
| 14A 3 Bank padder | 5A screwed | 75. 300 ohm resis. tapped 20.50
100 ohm. |
| 14A 5.6 M.C. Osc. pad. | 42. 8 mf 500V dry elec. con. | 76. Power Transformer |
| 14B 9.3 M.C. " " | 43. 1st Inter. trans. | 80. Pilot lamp 6.5V .3A. Bay-
onet type (tun. meter lamp) |
| 14C 14.0 M.C. " " | 44. 1st Inter. prim. trim. | 81. .05 mf 200V condenser |
| 15. 50 mmf. Ceramic cond. | 45. 1st Inter. sec. trim. | |