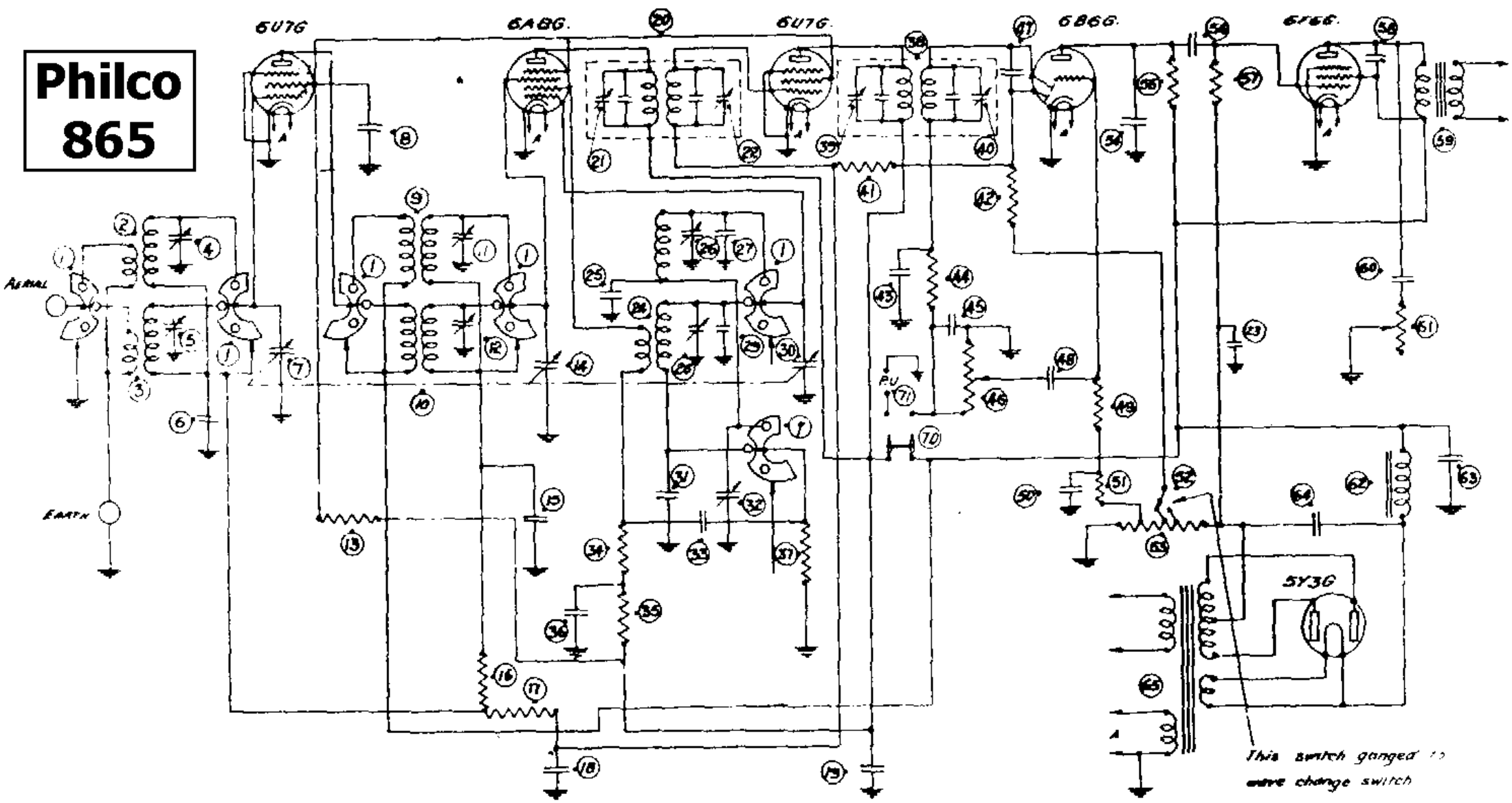


Philco 865



TYPE CIRCUIT: 6 valve A.C. Dual Wave Superhet.
with delayed A.V.C.

VOLUME CONTROL: 500,000 ohms graphite type.

INTERMEDIATE FREQUENCY: 262.5 k.c.

FREQUENCY COVERAGE: 13-5. 7 m.c. 1500-530 k.c.

VALVES USED: 1 type 6AB6 Detc. Osc.; 2 type
6U7G I.F. R.F.; 1 type 6B6G Second Detc.
1st Audio and A.V.C.; 1 type 6F6G out-
put pentode; 1 type 5Y3G Rectifier.

SPEAKER: 10" Philco type. 2,000 ohms field.

ALIGNMENT FREQUENCIES: B'cast 1500 and 600
Kcs. S.W. 18 M.C.

COMPONENTS.

1. Wave Change Switch
2. "A" Coil Assembly (broadcast coil)
3. "A" Coil Assembly (short wave coil)
4. Broadcast Aerial Trimmer
5. Short Wave Aerial Trimmer
6. Condenser .05 mfd. 200V.
7. Gang Condenser (Aerial section)
8. Condenser .01 mfd. 400V.
9. "B" Coil Assembly (Broadcast coil)
10. "B" Coil Assembly (short wave coil)
11. Broadcast R.F. Trimmer.
12. Short Wave R.F. Trimmer
13. Resistor 25T2W
14. Gang Condenser (R.F. Section)
15. Condenser .05. 200V.
16. Resistor 100,000 ohm. $\frac{1}{2}$ W.
17. Resistor 100,000 ohm. $\frac{1}{2}$ W.
18. Condenser .05 - 200V.
19. Condenser .1 mfd. 400V.
20. 1st Intermediate Transformer.
21. 1st Intermediate Primary Trimmer
22. 1st Intermediate Secondary Trimmer
23. Condenser 10 mfd. 25V. Electrolytic
24. "C" Coil Assembly
25. Condenser 9 Plate Mica.
26. Broadcast Oscillator Trimmer
27. Condenser part of C. Coil Assembly
28. Short Wave Oscillator Trimmer
29. Condenser Part of C Coil Assembly
30. Gang Condenser (oscillator section)
31. Condenser .006 Ceramic.
32. Condenser 2 plate pad.
33. Condenser 6 plate mica.
34. Resistor 10000 ohm. $\frac{1}{2}$ W. I.R.C.
35. Resistor 10000 ohm. $\frac{1}{2}$ W.
36. Condenser 8 mfd. 500V electrolytic
37. Resistor 50000 ohm. $\frac{1}{2}$ W.
38. 2nd Intermediate Transformer
39. 2nd Intermediate primary Trimmer
40. 2nd Intermediate secondary trimmer
41. Resistor 1 meg. $\frac{1}{2}$ W. I.R.C.
42. Resistor 1 meg. $\frac{1}{2}$ W.
43. Condenser 4 plate mica
44. Resistor 100000 ohm. $\frac{1}{2}$ W.
45. Condenser 3 plate mica.
46. Volume Control 500000 ohm.
47. Condenser 6 plate mica
48. Condenser .01 mfd. 400V.
49. Resistor 1 meg. $\frac{1}{2}$ W.
50. Condenser .05 mfd. 200V.
51. Resistor 500000 ohm. $\frac{1}{2}$ W. I.R.C.
52. Part of Wave Change Switch.
53. Resistor 300 ohms tapped 20-50-100
54. Condenser 4 plate mica
55. Resistor 250000 ohm. $\frac{1}{2}$ W. I.R.C.
56. Condenser .01 mfd. 400V.
57. Resistor 500000 ohm. $\frac{1}{2}$ W. I.R.C.
58. Condenser .006. 400V.
59. Speaker Transformer
60. Condenser .05 mfd. 400V.
61. Tone Control 16000 ohms.
62. Speaker Field Coil (2000 ohms)
63. Condenser 8 mfd. 300V Electrolytic
64. Condenser 8 mfd. 500V Electrolytic
65. Power Transformer
70. Gramophone Switch (SPDT rotary)
71. Pickup Jacks.