



Philco 853 U

TYPE CIRCUIT: 5 Valve A.C./D.C. D.W. Superhet.
with A.V.C.

VALVES USED: 1 type 6AB6 Detc. Osc., 1 type
6U7G I.F., 1 type 6B6G Second Detc.,
1st Audio and A.V.C., 1 type 25A6G
output pentode, 1 type 25Z6G Rect.

FREQUENCY COVERAGE: 18-5.3 m.c. 1500-550 k.c.

POWER SUPPLY: Alternating Current 40-60 cy-
cles, 200-260 volts. Direct Current 200-
260 Volts.

VOLUME CONTROL: 500,000 ohms graphite type

INTERMEDIATE FREQUENCY: 462.5 k.c.

SPEAKER: 8" Philco type 2,000 ohms field.

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

1. Wave Trap Coil Assembly
2. Condenser .003 mfd. Ceramic
3. Wave Change Switch
4. S/W. Aerial Coil
5. S/W. Aerial Trim.Cond.(part Assemb.)
6. Wave Trap Trim.Cond. part of 1)
7. Condenser 12 mmfd.
8. B/C. Aer. Trim.Cond. (part of Assemb.)
9. B/C. Aerial Coil
10. Condenser .01 mfd. 400V.
11. Condenser .1 mfd. 400V.
12. Resistor 1400 ohm. CT. 20 MA.
13. S/W Oscillator Coil.
14. S/W Oscil. Coil Trimmer Cond.(part of
Assembly)
15. Condenser 25m. mfd.
16. Condenser .0045 mfd. Ceramic
17. B/C Oscillator Coil
18. Condenser .0004 mfd.
19. B/C Osc. Trimmer Cond.(part of Assem.)
20. 2 Gang Condenser
21. Condenser .0004 mfd.
22. Pad Condenser (2 plate)
23. Resistor 50T $\frac{1}{2}$ Watt
24. Condenser .1 mfd. 400V.
25. Resistor 25T ohms 1 watt
26. Condenser .5 mfd. 400V.
27. Condenser .05 mfd. 200V
28. 1st Intermed. Transformer
29. 1st Inter.Plate Trim.
30. 1st Inter.Grid Trim.
31. Resis. 50T 1 Watt
32. 2nd Intermed. Transformer

33. 2nd Inter.Plate Trimmer
34. 2nd Inter. Grid Trim.
35. 4 Plate Cond. .00025 mfd.
36. Resistor 500T $\frac{1}{2}$ W.
37. Resistor 5T $\frac{1}{2}$ W.
38. Cond.10 mfd.25V.(Elec.)
39. Resistor 50T $\frac{1}{2}$ W.
40. Volume Cont. 500T ohms.
41. Pilot Lamp.
42. Pilot Lamp Shunt Resis.(80 ohms.
300M.)
43. Cond. .05 mfd. 200V.
44. Resistor 1 meg. $\frac{1}{2}$ Watt
45. Cond. .000085 mfd. (2 Plate)
46. Cond. .01 mfd. 400V.
47. Resistor 250T $\frac{1}{2}$ W.
48. Resis. 450 ohms 70 M.A. (W.T.)
49. Cond. 10 mfd.25V. (Elec.)
50. Resistor 500T $\frac{1}{2}$ W.
51. Condenser .006 mfd 400V.
52. Spkr. Transformer
53. Cond. .05 mfd. 400V.
54. Tone control 16,000 ohms.
55. Speaker Field
56. Condenser 8 mfd. 500V.
57. Resistor 100 ohms $\frac{1}{2}$ W.
58. Resistor 100 ohms $\frac{1}{2}$ W.
59. Cond. .05 mfd. 400V.
60. Cond. 8 mfd. 500V.
61. Baretter Valve (302) base.
62. Resistor 5T ohms $\frac{1}{2}$ W.
63. Cond. .1 mfd. 400V.
64. Cond. .05 mfd. 200V.
65. Resis. 500T $\frac{1}{2}$ W.
66. Cond. .1 mfd. 400V.