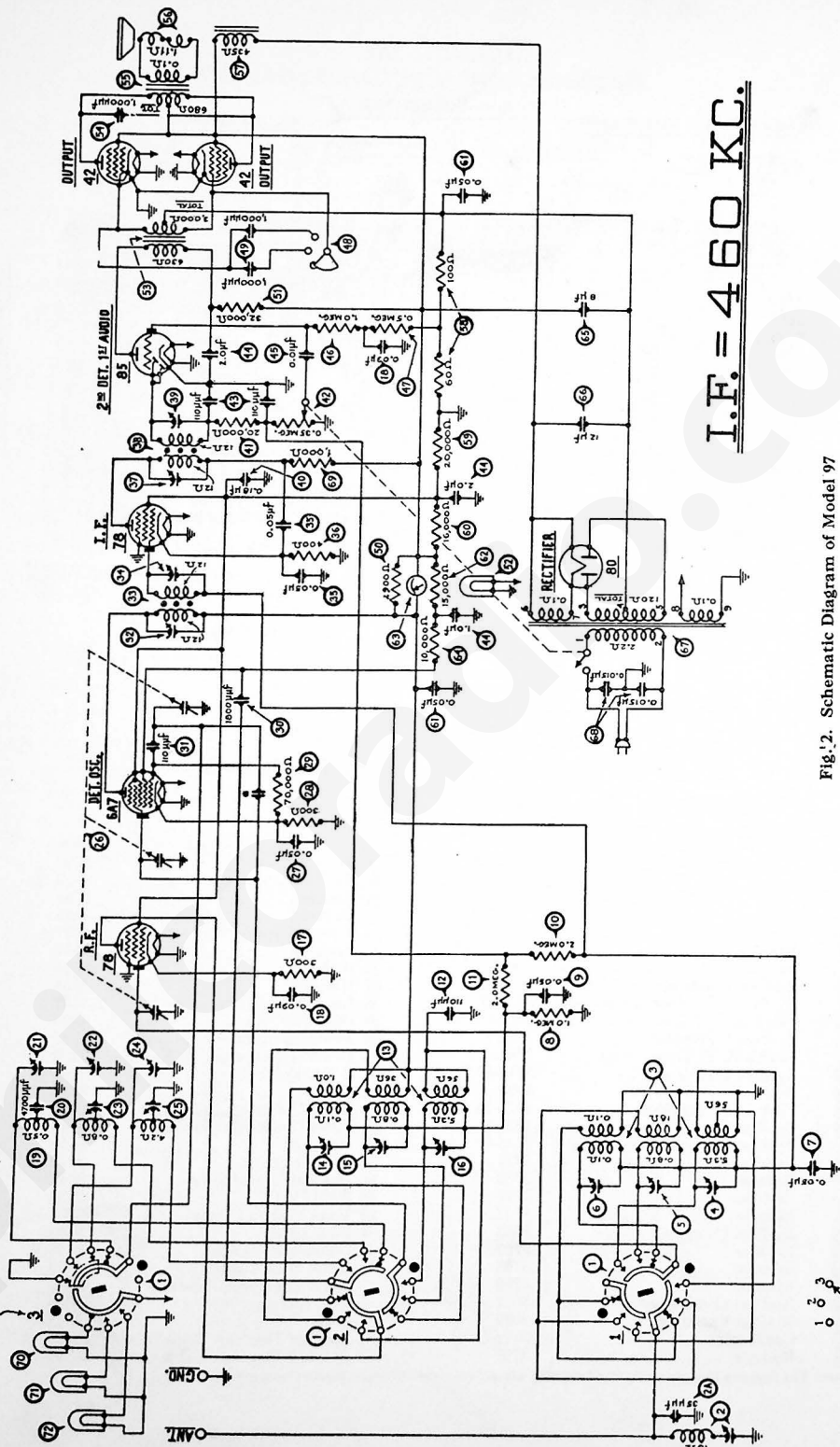


# MODEL 97

NOTE: FIGURES INDICATE RELATIVE POSITIONS OF SWITCH SECTIONS FROM FRONT OF CHASSIS



**I.F. = 460 KC.**

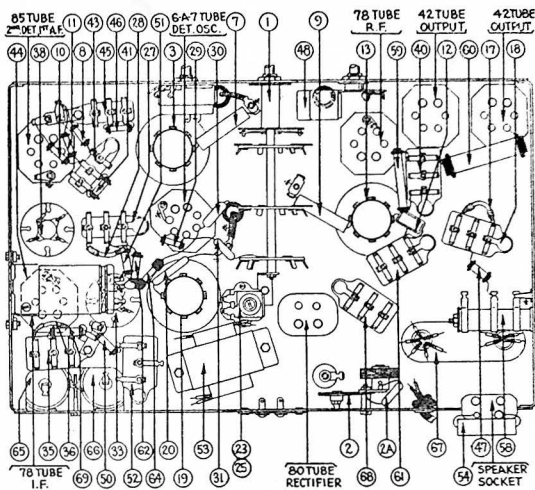
1 0 2

Fig. 2. Schematic Diagram of Model 97

NOTE: Condenser marked with an asterisk (\*) is not a separate part, but simply a capacity obtained by two wires twisted together.

NOTE: ALL SWITCH SECTIONS SHOWN IN POSITION NO. 3

# Replacement Parts—Model 97



	Description	Part No.
1	Waveband Switch.....	42-1104
2	Wavetrap.....	38-6718
2A	Condenser (.000035 Mfd. Mica).....	30-1044
3	Antenna Transformer.....	32-1635
4	Compensating Condenser (Antenna, Standard).....	Part of 3
6	Compensating Condenser (Antenna, Police Band).....	Part of 3
6	Compensating Condenser (Antenna, Short Wave).....	Part of 3
7	Condenser (.05 Mfd. Tubular).....	30-4020
8	Resistor (1 Meg.) (Brown, Black, Green).....	33-1096
9	Condenser (.05 Mfd. Tubular).....	30-4020
10	Resistor (2 Meg.) (Red, Black, Green).....	33-1172
11	Resistor (2 Meg.) (Red, Black, Green).....	33-1172
12	Condenser (.00011 Mfd. Mica).....	30-1031
13	R.F. Transformer.....	32-1636
14	Compensating Condenser (R.F., Short Wave).....	Part of 13
15	Compensating Condenser (R.F., Police Band).....	Part of 13
16	Compensating Condenser (R.F., Standard).....	Part of 13
17	Resistor (300 ohms Flexible) (Orange, Black, Brown).....	33-3010
18	Condenser (.09 Mfd. Twin Bakelite Block).....	4989-DG
19	Oscillator Transformer.....	32-1637
20	Condenser (.0047 Mfd. Mica).....	30-1052
21	Compensating Condenser (OSC., Short Wave).....	Part of 19
22	Compensating Condenser (OSC., H.F. Police).....	Part of 19
23	Compensating Condenser (OSC., L.F. Police).....	Part of 19
24	Compensating Condenser (OSC., H.F. Standard).....	Part of 19
25	Compensating Condenser (OSC., L.F. Standard).....	Part of 19
26	Tuning Condenser Assembly.....	31-1518
27	Condenser (.05 Mfd. Bakelite Block).....	3615-SG
28	Resistor (300 ohms Flexible) (Orange, Black, Brown).....	33-3010
29	Resistor (70000 ohms) (Violet, Black, Orange).....	33-1164
30	Condenser (.0018 Mfd. Mica).....	6018
31	Condenser (.00011 Mfd. Mica).....	30-1031
32	Compensating Condenser (1st I.F. Pri.).....	Part of 31
33	First I.F. Transformer.....	32-1631
34	Compensating Condenser (1st I.F. Sec.).....	Part of 31
35	Condenser (.05 Mfd. Twin Bakelite Block).....	3615-DU
36	Resistor (400 ohms Flexible) (Yellow, Black, Brown).....	33-3016
37	Compensating Condenser (2nd I.F. Pri.).....	Part of 36
38	2nd I.F. Transformer.....	32-1632
39	Compensating Condenser (2nd I.F. Sec.).....	Part of 38
40	Condenser (.18 Mfd. Bakelite Block).....	4989-DG
41	Resistor (20000 ohms) (Red, Black, Orange).....	33-1130
42	Volume Control (350000 ohms) & On-Off Switch.....	33-5102
43	Condenser (.00011 Mfd. Twin Bakelite Block).....	8035-DG
44	Condenser (Electrolytic: 2 Mfd., 2 Mfd., 1 Mfd.).....	30-2114
45	Condenser (.01 Mfd. Bakelite Block).....	3903-SU
46	Resistor (1 Meg.) (Brown, Black, Green).....	33-1171
47	Resistor (.5 Meg.) (Yellow, White, Yellow).....	33-1169
48	Tone Control.....	30-4311
49	Condensers in Tone Control.....	Part of 48
50	Resistor (2900 ohms) (Red, White, Red).....	5309
51	Resistor (32000 ohms) (Orange, Red, Orange).....	3525
52	Pilot Lamp.....	Part of 51
53	Condenser (.25 Mfd. Bakelite Block).....	6287-P
54	Audio Transformer.....	32-7372
55	Condenser (.001 Mfd. Tubular).....	30-4201
56	Output Transformer (on Speaker).....	2585
57	Speaker Cone & Voice Coil Assembly.....	K-31 36-3174 H-21 02625
57	Speaker Field Coil.....	K-31 36-3463 H-21 36-3461
58	B-C Resistor (Wire-Wound 100 ohm, 60 ohms).....	33-3208
59	Resistor (20000 ohms) (Red, Black, Orange).....	33-1130
60	Resistor (16000 ohms) (Brown, Blue, Orange).....	33-1201
61	Condenser (.05 Mfd. Twin Bakelite Block).....	3615-DG
62	Resistor (15000 ohms) (Brown, Green, Orange).....	6208
63	Shadow Tuning Meter.....	45-202S
64	Resistor (10000 ohms) (Brown, Black, Orange).....	4412
65	Condenser (Electrolytic—8 Mfd.).....	30-2025
66	Condenser (Electrolytic—12 Mfd.).....	30-2117
67	Power Transformer, 115 Volts, 60 Cycles.....	32-7369
	115 Volts, 25 Cycles.....	32-7370
	230 Volts, 60 Cycles.....	32-7371
68	Condenser (.015 Mfd. Twin Bakelite Block).....	3793-DG
69	Resistor (1000 ohms) (Brown, Black, Red).....	5837
70	Dial Lamp (Standard Band).....	84-2031
71	Dial Lamp (Police Band).....	34-2031
72	Dial Lamp (Short-wave Band).....	34-2031
73	Dial Assembly.....	31-1513
74	Knob (Tone Control, Volume Control).....	27-4052
	Knob (Waveband).....	27-4051
	Knob (Station Selector).....	27-4139
	Knob (Fine Tuning).....	27-4140
	Tube Shield Body.....	28-1107
	Tube Shield Base.....	28-1110
	Pilot Lamp Assembly.....	38-6075
	4 Prong Tube Socket.....	27-6006
	6 Prong Tube Socket.....	27-6020
	7 Prong Tube Socket.....	27-6012
	Electric Cord and Plug.....	L-943A
	Speaker Socket.....	27-6018
	Chassis Mtg. Screw (97-X).....	W-1345-A
	Chassis Mtg. Screw (97-B).....	W-1346-A
	Chassis Mtg. Foot (Rubber).....	27-4116
	Chassis Mtg. Foot Plate.....	27-7497
	Chassis Mtg. Washer.....	29-2089
	Bezel.....	27-4120

†Omitted after Run 3. Not shown in Fig. 2.

†In Model 97-A (25 cycles) this is Part No. 30-2026.