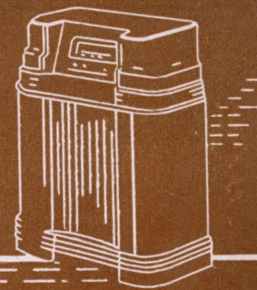


PHILCO SERVICE



HOME RADIO



PHILCO MODEL 414 RUN 2 - SUPPLEMENT TO PR 1842

This supplement, including revised schematics and Parts List, is to be used in conjunction with PR 1842C—Model 414.

The electrical specifications have been revised to improve the overall sensitivity and tube life.

For alignment please refer to PR 1842C—Model 414.

REPLACEMENT PARTS LIST

NOTE: Part Numbers identified by an asterisk (*) are general replacement items. These numbers may not be identical with those on factory parts. Also, the electrical values of some replacement items may differ from the values indicated in the schematic diagram and parts list. The values substituted in any case are so chosen that the operation will either be unchanged or improved. When ordering replacements, use only the "Service Part No."

Reference Symbol	Description	Service Part No.	Reference Symbol	Description	Service Part No.
C1	Condenser, tuning gang, 2 section	31-2735-2	R9	Resistor, grid return, 4.7 meg.— $\frac{1}{2}$ watt	
C1A	Condenser, trimmer antenna	Part of C1	R10	Resistor, screen dropping, 4.7 meg.— $\frac{1}{2}$ watt	
C1B	Condenser, trimmer oscillator	Part of C1	R11	Resistor, plate load—1 meg.— $\frac{1}{2}$ watt	
C2	Condenser, neutralizing, 1.5 mmf.	30-1221-3	R12	Resistor, grid load, 2.2 meg.— $\frac{1}{2}$ watt	
C3	Condenser, a-v-c by-pass, .05 mf.—400V	61-0122*	R13	Resistor, fil dropping, 2200 ohms— $\frac{1}{2}$ watt	
C4	Condenser, i-f by-pass, .1 mf.—400V	61-0113*	R14	Resistor, filter dual	33-3445
C5	Condenser, d-c blocking, 47 mmf.	62-047009011	R15	Resistor, filter, 820 ohms— $\frac{1}{2}$ watt	
C6	Condenser, osc. B+ bypass, .005 mf.—400V	45-3502*	R16	Resistor, filter, 120 ohms	33-1334-14
C7	Condenser, osc. shunt, 4.7 mmf.	30-1224-83	R17	Resistor, filament dropping, 1500 ohms— $\frac{1}{2}$ watt	
C8	Condenser, filament by-pass, .22 mf.	45-3505-49*	R18	Resistor, bias—330 ohms— $\frac{1}{2}$ watt	
C9	Condenser, neutralizing, 1.5 mmf.	30-1221-3	S1	Switch, off-on	Part of R8
C10	Condenser, multiple (4 section)	30-1237	T1	Transformer, oscillator	32-4453-1
C10A	Condenser, audio coupling, .001 mf.	Part of C10	T2	Transformer, output	32-8434
C10B	Condenser, screen by-pass, .01 mf.	Part of C10	W1	Line cord	41-3821-15
C10C	Condenser, audio coupling, .002 mf.	Part of C10	WS	Wafer switch, voltage change	42-1925
C10D	Condenser, r-f by-pass, 220 mmf.	Part of C10	Z1	Transformer, 1st i-f	32-4160-4
C11	Condenser, tone compensation, .004 mf.—600V	61-0179*	Z2	Transformer, 2nd i-f	32-4454-1
C12	Condenser, electrolytic, filament filter, 50 mf.	30-2417-12			
C13	Condenser, electrolytic, 3 section	30-2568-39			
C13A	Condenser, electrolytic, filter 40 mf.	Part of C13			
C13B	Condenser, electrolytic, filter 10 mf.	Part of C13			
C13C	Condenser, electrolytic, filter 50 mf.	Part of C13			
C14	Condenser, line by-pass, .047 mf.—400V	30-4667-45			
C15	Condenser, a-v-c by-pass, .005 mf.—400V	45-3502*			
CR1	Selenium rectifier, 75 MA—117V	34-8003			
LA1	Loop antenna assembly	32-4455-3			
LS1	PM speaker, 4"	36-1637			
R1	Resistor, fil shunt, 820 ohms— $\frac{1}{2}$ watt				
R2	Resistor, osc. grid, 68,000 ohms— $\frac{1}{2}$ watt				
R3	Resistor, fil shunt, 470 ohms— $\frac{1}{2}$ watt				
R5	Resistor, oscillator dropping, 15,000 ohms— $\frac{1}{2}$ watt				
R6	Resistor, a-v-c 3.3 meg.— $\frac{1}{2}$ watt				
R7	Resistor, a-v-c 2.2 meg.— $\frac{1}{2}$ watt				
R8	Resistor, variable volume—1 meg.	33-5566-21			

MISCELLANEOUS

Cabinet—order by colour	
Battery holder and loop assembly	76-6157
Antenna Coil	32-4455-3
Battery Cradle	54-4783
Battery A, Springs	56-7972
Cabinet Handle	56-7940
Hinge, R	56-7915-1
Hinge, L	56-7915
Knob	54-4773
Scale	54-5087
Cable and Connector B Battery	41-3988
Tuning Shaft	56-7906FA42

