

PHILCO-TROPIC RADIO-PHONOGRAPH

MODEL 3454

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 of the instrument will be either unchanged or improved. When ordering replacements, use only the "Service Part No."

LISTA DE PIEZAS DE REPUESTO

NOTA: Los números de parte identificados por un asterisco (*) representan renglones generales de repuesto. Estos números no son necesariamente idénticos a los usados en la fabricación original; también, los valores eléctricos de algunos renglones de repuesto pueden diferir de los valores indicados en el diagrama y en la lista de piezas. Los valores substituidos en cualquier caso son escogidos de modo tal que el funcionamiento del instrumento mejorará o no sufrirá cambio. Al ordenar repuestos, úsele solamente el "Service Part No."

Reference Symbol	Description	Service Part No.	Reference Symbol	Description	Service Part No.
C1	Condenser, tuning gang, 3-section	31-2725-2	C27	Condenser, primary trimmer, 1st i-f	Part of Z1
C2	Condenser, trimmer, 5-section	31-6507-5	C28	Condenser, secondary trimmer, 1st i-f	Part of Z1
C2A	Condenser, aerial trimmer, 21 mc.	Part of C2	C29	Condenser, primary trimmer, 2nd i-f	Part of Z2
C2B	Condenser, aerial trimmer, 18 mc.	Part of C2	C30	Condenser, secondary trimmer, 2nd i-f	Part of Z2
C2C	Condenser, aerial trimmer, 15 mc.	Part of C2	C31	Condenser, i-f filter, 100 $\mu\text{f.}$	Part of Z2
C2D	Condenser, aerial trimmer, 7.5 mc.	Part of C2	C32	Condenser, i-f filter, 100 $\mu\text{f.}$	Part of Z2
C2E	Condenser, aerial trimmer, SW2	Part of C2	C33	Condenser, line filter, .01 $\mu\text{f.}$	45-3505-92*
C3	Condenser, d-c blocking, 100 $\mu\text{f.}$	62-110009001*	C34	Condenser, a-v-c filter, .047 $\mu\text{f.}$	45-3505-28*
C4	Condenser, tracking, BS1, 485 $\mu\text{f.}$	30-1220-20	C35	Condenser, line filter, .01 $\mu\text{f.}$	45-3505-92*
C5	Condenser, shunt, BS3, 62 $\mu\text{f.}$	30-1220-62	C36	Condenser, diode coupling, 100 $\mu\text{f.}$	62-110009001*
C6	Condenser, shunt, BS2, 131 $\mu\text{f.}$	30-1220-38	C37	Condenser, diode coupling, 100 $\mu\text{f.}$	62-110009001*
C7	Condenser, trimmer, 9-section	31-6507-4	C38	Condenser, d-c blocking, .047 $\mu\text{f.}$	45-3505-45*
C7A	Condenser, r-f trimmer, 21 mc.	Part of C7	C39	Condenser, bass compensation, .0068 $\mu\text{f.}$	45-3505-40*
C7B	Condenser, r-f trimmer, 18 mc.	Part of C7	C40	Condenser, high compensation, 15 $\mu\text{f.}$	62-015200091*
C7C	Condenser, r-f trimmer, 58 mc.	Part of C7	C41	Condenser, high compensation, 47 $\mu\text{f.}$	30-1224-2*
C7D	Condenser, r-f trimmer, 7.5 mc.	Part of C7	C42	Condenser, d-c blocking, .0022 $\mu\text{f.}$	45-3505-54*
C7E	Condenser, r-f trimmer, SW2	Part of C7	C43	Condenser, d-c blocking, .047 $\mu\text{f.}$	45-3505-28*
C7F	Condenser, oscillator trimmer, 15 mc.	Part of C7	C44	Condenser, bass compensation, .0068 $\mu\text{f.}$	45-3505-40*
C7G	Condenser, oscillator trimmer, 12 mc.	Part of C7	C45	Condenser, tone compensation, high-cut, .0033 $\mu\text{f.}$	45-3505-38*
C7H	Condenser, oscillator trimmer, 9 mc.	Part of C7	C46	Condenser, d-c blocking, .0022 $\mu\text{f.}$	45-3505-54*
C7I	Condenser, oscillator trimmer, SW2	Part of C7	C47	Condenser, plate by-pass, 220 $\mu\text{f.}$	62-122001001
C8	Condenser, filter, .047 $\mu\text{f.}$	45-3505-45	C48	Condenser, electrolytic, 2-section	30-2570-33
C9	Condenser, d-c blocking, 220 $\mu\text{f.}$	62-122001001*	C48A	Condenser, filter, 20 $\mu\text{f.}$, 450v	Part of C48
C10	Condenser, tracking, BS1, 485 $\mu\text{f.}$	30-1220-23	C48B	Condenser, filter, 10 $\mu\text{f.}$, 450v	Part of C48
C11	Condenser, shunt, BS3, 62 $\mu\text{f.}$	30-1220-32	C49	Condenser, phono feedback filter, .015 $\mu\text{f.}$	45-3505-42*
C12	Condenser, shunt, BS2, 131 $\mu\text{f.}$	30-1220-38	C50	Condenser, d-c blocking, 4700 $\mu\text{f.}$	45-3505-56*
C13	Condenser, oscillator trimmer, BC	31-6308	C51	Condenser, d-c blocking, 4700 $\mu\text{f.}$	45-3505-56*
C14	Condenser, trimmer, 3-section	31-6477-4	C52	Condenser, d-c blocking, phono-feedback, .047 $\mu\text{f.}$	45-3505-45*
C14A	Condenser, oscillator padder, BC	Part of C14	C53	Condenser, plate by-pass, .0047 $\mu\text{f.}$	45-3505-90*
C14B	Condenser, oscillator trimmer, SW1	Part of C14	C54	Condenser, electrolytic, 3-section	30-2570-15
C14C	Condenser, oscillator trimmer, 7.5 mc.	Part of C14	C54A	Condenser, filter, 20 $\mu\text{f.}$, 450v	Part of C54
C15	Condenser, d-c blocking, 100 $\mu\text{f.}$	62-110009001*	C54B	Condenser, filter, 10 $\mu\text{f.}$, 450v	Part of C54
C16	Condenser, fixed tracker, SW1, 3600 $\mu\text{f.}$	60-20365314	C54C	Condenser, filter, 10 $\mu\text{f.}$, 450v	Part of C54
C17	Condenser, bias filter, .22 $\mu\text{f.}$	45-3505-32	C55	Condenser, high cut, 22 $\mu\text{f.}$	45-3505-32*
C18	Condenser, oscillator divider, BS1, 180 $\mu\text{f.}$	30-1220-30*	C56	Condenser, bias filter, .047 $\mu\text{f.}$	45-3505-28
C19	Condenser, oscillator divider, BS2, 330 $\mu\text{f.}$	60-10335417	I1	Pilot lamp, 6.3v	34-2084
C20	Condenser, oscillator divider, BS3, 82 $\mu\text{f.}$	60-00825237*	I2	Jewel lamp, 6.3v	34-2068
C21	Condenser, tracking, BS1, 540 $\mu\text{f.}$	30-1220-61	I3	Bin lamp	34-2068
C22	Condenser, d-c blocking, 270 $\mu\text{f.}$	60-10275417	J1	Socket, phono input	27-8126
C23	Condenser, a-v-c filter, .047 $\mu\text{f.}$	45-3505-28	J2	Socket, phono power	27-6200
C24	Condenser, trimmer, 2-section	31-6476-19	LS1	Speaker, p-m, 12-inch	36-1611-4
C24A	Condenser, oscillator trimmer, 21 mc.	Part of C24	R1	Resistor, phono comp., 2.2 megohms	66-5228340*
C24B	Condenser, oscillator trimmer, 18 mc.	Part of C24	R2	Resistor, grid return, 470,000 ohms	66-4478340*
C25	Condenser, d-c blocking, 100 $\mu\text{f.}$	60-10105417	R3	Resistor, phono-feedback, 15 megohms	66-6158350*
C26	Condenser, shunt, SW1, 7.5 $\mu\text{f.}$	30-1224-8	R4	Resistor, loading, 4700 ohms	66-2478340*

REPLACEMENT PARTS LIST (Cont.)

LISTA DE PIEZAS DE REPUESTO (Cont.)

Reference Symbol	Description	Service Part No.
R5	Resistor, plate load, 18,000 ohms, 2 watts	66-3185340*
R6	Resistor, a-v-c divider, 1.8 megohms	66-5188340*
R7	Resistor, a-v-c load, 2.2 megohms	66-5228340*
R8	Resistor, cathode bias, 15,000 ohms	66-3158340*
R9	Resistor, grid return, 47,000 ohms	66-3478340*
R10	Resistor, parasitic suppressor, 68 ohms	66-0688350*
R11	Resistor, plate load, 22,000 ohms, 1 watt	66-3224340*
R12	Resistor, plate load, 100,000 ohms	66-4108340*
R13	Resistor, filter, 330 ohms, 3 watts	33-1334-8
R14	Resistor, a-v-c delay, 2.7 megohms	66-5278340*
R15	Resistor, filter, 220 ohms, 1 watt	66-1224540*
R16	Resistor, a-v-c load, 2.2 megohms	66-5228340*
R17	Resistor, bias, 470,000 ohms	63-4478340*
R18	Resistor, bias divider, 220,000 ohms	66-4228340*
R19	Resistor, a-v-c filter, 2.2 megohms	66-5228340*
R20	Resistor, a-v-c filter, 2.2 megohms	66-5228340*
R21	Resistor, i-f filter, 47,000 ohms (Part of Z2)	66-3478340*
R22	Resistor, diode load, 330,000 ohms	66-4338340*
R23	Resistor, high-cut, 330,000 ohms	66-4338340*
R24	Resistor, bass compensation, 47,000 ohms	66-3478340*
R25	Resistor, volume control, 2 megohms (2 taps)	33-5535-24
R26	Resistor, bass compensation, 47,000 ohms	66-3478340*
R27	Resistor, tone control, 5 megohms	33-5566-3
R28	Resistor, grid return, 10 megohms	66-6108340*
R29	Resistor, cathode degeneration, 4.7 ohms	66-9478340*
R30	Resistor, filter, 1800 ohms	66-2184540
R31	Resistor, filter, 15,000 ohms	66-3154540
R32	Resistor, plate load, 270,000 ohms	66-4278340*
R33	Resistor, bias filter, 1 megohm	66-5108340*
R34	Resistor, bias voltage divider, 280 ohms, 3 watts	33-1334-11
R35	Resistor, phono-feedback filter, 220,000 ohms	66-4228340*
R36	Resistor, plate load, 22,000 ohms	66-3228340*
R37	Resistor, cathode bias, 2200 ohms	66-2228340*
R38	Resistor, cathode load, 22,000 ohms	63-3228340*
R39	Resistor, grid return, 470,000 ohms	66-4478340*
R40	Resistor, grid return, 470,000 ohms	66-4478340*
R41	Resistor, grid return, 470,000 ohms	66-4478340*
R42	Resistor, inverse feedback, 150 ohms	66-1158350*
R43	Resistor, grid return, 3.3 megohms	66-5338340*
R44	Resistor, bias divider, 1 megohm	66-5108340*
S1	Switch, off-on	Part of R27
T1	Transformer, power	32-8246-1
T2	Transformer, output	32-8300-1
T3	Transformer, BC aerial	32-4368-1
T4	Transformer, SW1 and BS1 aerial	32-4364
T5	Transformer, SW2 aerial	32-4208
T6	Transformer, BS2, BS3, BS4, BS5, and BS6 aerial	32-3670
T7	Transformer, BC r-f	32-4369
T8	Transformer, SW1 and BS1 r-f	32-4364-1
T9	Transformer, SW2 r-f	32-4208-7
T10	Transformer, BS2, BS3, BS4, BS5, and BS6 r-f	32-3671

Reference Symbol	Description	Service Part No.
T11	Transformer, BC oscillator	32-4370
T12	Transformer, SW1 and BS1 oscillator	32-4207-2
T13	Transformer, SW2 oscillator	32-4208-2
T14	Transformer, BS2, BS3, BS4, BS5, and BS6 oscillator	32-4212-2
TB1	Terminal board, aerial connection	38-9729
W1	Line cord	L-2183*
WS1	Water switch, band-change	42-1883-1
WS2	Water switch, voltage change-over	42-1817
WS3	Water switch, radio-phono	42-1886
Z1	Transformer, 1st i-f	32-3976
Z2	Transformer, 2nd i-f	32-4346-1

MISCELLANEOUS

Description	Service Part No.
Cabinet Hardware	
Back, cabinet	54-7752
Baffle, wood	219142
Baffle-and-cloth assembly, cardboard, dummy	40-7612-1
Baffle and cloth assembly speaker	40-7312
Bezel strip (2)	56-6497
Bin mechanism (l.h.)	76-3223-5
Bin mechanism (r.h.)	76-3223-6
Catch, bullet (2)	45-6002
Dome (4)	45-6190
Door pull (2)	56-6521
Frame assembly, changer mtg.	76-4104
Grille, metal (2)	56-3492
Hinge, butt (2)	45-6067
Hinge, knife, stop (record door) (2)	45-6449-1
Hinge, knife, stop	56-5713
Hinge, knife	56-5713-2
Knob (5 required)	54-4376
Screw, back mtg.	1W25337FE11
Spring record changer mtg., top (3 required)	56-7059
Spring record changer mtg., bottom (3 required)	56-7059-1
Spring, bin mechanism	56-4978-1
Sleeve, record-changer mtg.	54-7798
Strike plate (2)	45-6003
Conversion kit, phono, 60 to 50 cycles	40-7848
Cable-and-plug assembly, phono power	76-2172-5
Cable, speaker	41-3714-4
Cable assembly, bin lamp	27-6233-28*
Dial-scale assembly	
Carriage-and-spring assembly	76-5616
Drive cord (25-ft. spool)	45-8750*
Dial clamp	56-1795-1FA15
Dial-background plate	76-4438
Drum assembly, band-indicator	76-1246FA33
Pointer	56-6495FCP
Spring, band indicator (2 required)	56-3066FA38
Pilot-lamp carrier rod	56-2193
Jewel	
Jewel	54-4304
Plug, Continental adapter	L-3275*
Rubber mtg., chassis (4)	27-4564
Socket assembly, jewel lamp	41-3737-2
Socket assembly, pilot lamp	76-1236-1
Socket, loktal (8 required)	27-6207
Tuning-core assembly, iron, band spread	76-1281-1
Tuning-condenser pulley	76-3145
Idler pulley	76-2051