

PHILCO

RADIO REPLACEMENT

PARTS



Millions of PHILCO Sets in use
PHILCO SERVICE CALLS
FOR EVERY RADIO SERVICEMAN

You may be called upon at any moment to repair a Philco receiver! Philco sets require Genuine Philco replacement parts. The Radolek Company has every important Philco Replacement Part, Tube and Test Instrument ready for over-night shipment to you at the lowest wholesale prices. . . . Order by Philco Part Number.

Write, wire or phone, Monroe 5434, Chicago

We have the largest stock of Philco Replacement Parts available

REMEMBER

1. PHILCO Parts fit ALL MAKES of Radio. Use them in ALL your service work.
2. The name PHILCO stands for DEPENDABILITY.

OFFICIAL DISTRIBUTOR
FOR ALL PHILCO RADIO REPLACEMENT PARTS AND TUBES
THE RADOLEK COMPANY
601-603 W. RANDOLPH ST. CHICAGO, ILL.

Mr. Serviceman:—

Are YOU

Interested in Building Up Your Profits?

If So

You Should Learn About

“Radio Manufacturers Service”

A Philco Service Plan

**Secures Immediate Business for the
Serviceman-Member**

**See Your Philco Distributor at Once
and Get an Application Blank**

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All parts listed on the following pages are genuine Philco quality, guaranteed against defects in material and workmanship, in accordance with the standard Philco warranty.

Parts should always be ordered from your local distributor. Check your stock regularly and re-order in advance of your actual needs so that you will always be prepared to give prompt service to your customer.

Over 10,000 different Philco parts in stock at all times

Philco Radio and Television Corporation

Philadelphia

USE PHILCO REPLACEMENT PARTS FOR REPAIRING ANY RADIO

PHILCO

General Replacement Radio Condensers

For Use in Any Make Radio Receiver

Philco offers a complete line of quality condensers of all types. Every Philco condenser is built of the finest available materials, and is constructed in accordance with the rigid specifications set forth by the Philco Research Laboratories.

It will be noted on the printed ratings for the various condensers that the operating and test voltages are conservative.

Philco condensers which are designed for 400-volt operation have been placed on life test at double the operating voltages and have, in all cases, withstood the test for hundreds of hours. Philco paper condensers are all built in a specially constructed room in which the humidity is maintained at a constant value every hour of the day and every day of the year, thus assuring complete moisture elimina-

tion during the impregnating process.

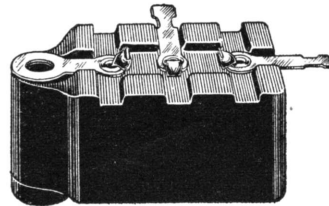
Philco electrolytic condensers are built to withstand the higher surge voltages which may be encountered in ordinary operation. The only way that such performance can be guaranteed is through the use of highest quality materials. Whenever Philco condensers are used for replacement purposes, whether the replacement be on a Philco set or on some other make of receiver, the serviceman can be assured of permanent trouble-free operation.

Replacements should always be made with a condenser of the same type or construction. For example, use a wet electrolytic condenser to replace a wet electrolytic, and a paper condenser to replace a paper one, etc. Make your replacement with the same type as the original.

Philco Paper Condensers

(Bakelite Block Type)

These condensers are extremely convenient for replacement purposes in any make or type of radio, or for experimental work in building sets and parts. They are mounted by means of a hole at one end, and tinned lugs are provided for connections.



Test voltage 800.

Single Condensers

Part No.	Capacity (Mfd.)	NET DEALER PRICE
7762-C	.001	\$0.15
7296-B	.002	.15
8320-B	.003	.15
7442-B	.005	.15
7625-B	.006	.15
7625-G	.006*	.15
3903-AA	.01*	.15
3903-M	.01	.15
3793-W	.015*	.21
3793-B	.015	.21
3903-AJ	.02	.21
7653-B	.025	.21
8318-B	.03	.21
3615-L	.05*	.21
3615-E	.05	.21
4989-D	.09*	.21
4989-J	.09	.21
8206-B	.1	.21
6287-B	.15	.21
4989-H	.18*	.21
4989-K	.18	.21

NOTE: Initial at end of part number is a factory designation of the lug arrangement, and does not refer to capacity.

*Grounded. Connection is made from one side of condenser or from common center point of double condenser to mounting lug for grounding to radio chassis.

Double Condensers

Two condensers of equal capacity sealed in same block. Handy in many circuits.

Part No.	Capacity (Mfd.)	NET DEALER PRICE
8035-B	.00011*	\$0.15
8317-B	.00025*	.15
3903-S	.01*	.18
3903-AK	.01	.18
3793-H	.015*	.24
3793-P	.015	.24
7653-C	.025*	.24
8318-C	.03	.24
3615-AJ	.05*	.24
3615-AF	.05	.24
4989-B	.09*	.24
4989-M	.09	.24
6287-H	.15*	.24
6287-F	.15	.24

Combination Capacities

In these units, two condensers of different capacities are sealed in the same block. Useful in many circuits especially where space is at a premium.

Part No.	Capacities (Mfd.)	NET DEALER PRICE
8035-F	.0001 and .015	\$0.15
8174-B	.0007* and .05*	.15
7762-B	.001* and .005	.18
7296-E	.002 Twin* and .003	.18
7296-G	.002* and .05*	.18
7625-F	.006 and .001	.18
7625-D	.006* and .015	.18
6287-M	.15* and .05*	.24
6287-G	.15 and .05	.24
6287-N	.15 and .09	.24
6287-K	.15* and .09*	.24

PHILCO REPLACEMENT PARTS FIT ANY AUTO-RADIO

Philco Condensers

Philco Replacement Section Condensers

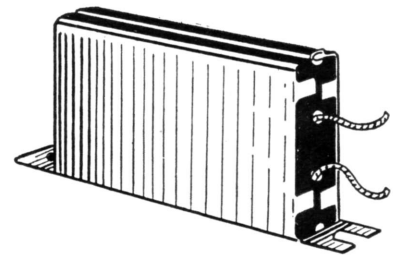


Philco special vacuum process construction. Condenser unit pitch sealed within paper housing. Used widely for replacement of single sections in filter condenser blocks. Test voltage 2000V.

Part No.	Capacity (Mfd.)	Length	Width	Height	NET DEALER PRICE
7068	.1	2 $\frac{1}{4}$ "	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	\$0.18
30-4095	.2	2 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "	3 $\frac{3}{4}$ "	.21
7067	.25	4 $\frac{3}{8}$ "	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	.24
30-4096	.4	2 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "	3 $\frac{3}{4}$ "	.30
7066	.5	4 $\frac{3}{8}$ "	1 $\frac{1}{4}$ "	5 $\frac{5}{8}$ "	.36
7065	1.0	4 $\frac{3}{8}$ "	2 $\frac{3}{4}$ "	5 $\frac{5}{8}$ "	.51
7064	2.0	4 $\frac{3}{8}$ "	2 $\frac{3}{4}$ "	1"	.87

Philco By-Pass Condensers (Metal Housing)

Part No.	Capacity (Mfd.)	Test Voltage	NET DEALER PRICE
30-4102	.2	800	\$0.30
4264	.25	2000	.36
30-4175	.25*	800	.30
3557	.25 Twin	800	.42
4864	.25 Twin	800	.42
03325	.25 Triple	800	.60
3583	.5	800	.36
30-4174	.5*	800	.36
05150	.5	2000	.42
03024	.5 Twin	800	.60
30-4103	.75	800	.51
4568†	1.0†	400	.66
30-4173	1.0*	800	.66
4569	1.0	2000	.78
30-4104	1.5	800	.81
03298	2.0	800	.99
4418	2.0	2000	1.35



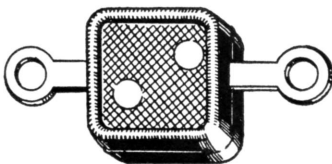
Philco vacuum process construction. Condenser unit pitch sealed within metal housing. Flanges for convenient mounting. Extremely useful for replacement where an efficient and rugged unit is needed.

*Not grounded to case.

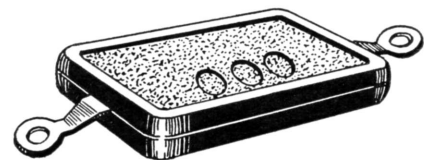
†Two special low-impedance shielded leads connect to one side of condenser. Other side grounded to case.

Philco Mica Condensers

Philco mica condensers are enclosed in brown moulded bakelite casings and are completely moisture proof. They are available in capacities ranging from 25 Mmf. to .01 Mfd. Each condenser is color coded for capacity and part number identification, or has its capacity stamped directly on the case.



Type A



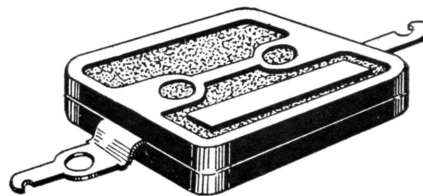
Type B

An assortment of these little condensers will be found indispensable by the serviceman or experimenter.

Part No.	Capacity (Mfd.)	Type	NET DEALER PRICE
6897	.000025	A	\$0.21
30-1008	.00003	A	.21
4990	.000035	A	.21
30-1009	.00004	A	.21
4587	.00005	A	.21
30-1010	.00007	A	.21
30-1011	.00008	A	.21
30-1012	.0001	A	.21
30-1005	.00011	A	.21
30-1013	.0002	A	.21
3082	.00025	A	.21
8311	.0003	A	.21
30-1014	.0004	B	.21
5120	.00041	A	.21
3910	.0005	B	.21



Type C

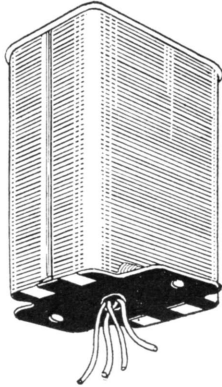


Type D

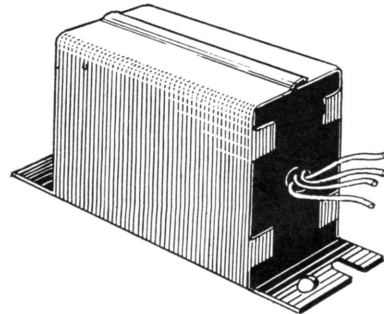
Part No.	Capacity (Mfd.)	Type	NET DEALER PRICE
6898	.0006	C	\$0.21
4520	.0007	A	.21
6021	.0008	A	.21
5215	.001	A	.21
7139	.0015	C	.21
6022	.0018	A	.24
4059	.002	B	.24
7006	.0025	C	.24
6009	.003	B	.36
30-1016	.004	D	.36
30-1017	.005	D	.36
5981	.006	D	.36
30-1018	.008	D	.54
30-1019	.01	D	.69

Philco Filter Condenser Banks

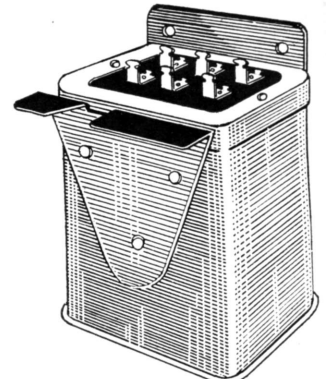
Designed for Replacement Use in Any Make Radio



Type A



Type B



Type C

These Philco filter condenser banks incorporate the highest standard of both material and workmanship. They are designed and built to meet the most exacting requirements. Furnished in the following combinations of capacities and voltage operating requirements. Standard Philco vacuum impregnation; pitch sealed. Each one packed in individual carton with wiring instructions and color code explanation.

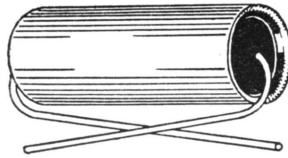
Part No.	Capacity of Sections (Mfd.)	Test Voltages	Type	NET DEALER PRICE
05386	8.0* - .25*	400-1200	A	\$1.35
05724	8.0* - .5*	400-1200	A	.90
05691	8.0* - .85*	500-1200	A	1.08
04559	.75 - .25	2000-1200	B	.72
05213	.75 - .5*	1200-2000	B	.60
06713	.5* - .09*	400-400	B	.33
04959	.5 - .25	2000-1200	A	.54
05109	.25 - .25	1200-1200	B	.30
06091	.15* - .05	2000-2000	A	.27
04354	20.0 - .5 - .25	15-2000-1200	A	.78
03624	1.0 - .25 - .25	1200-2000-1200	B	.72
03327	1.0 - .25 - .1	1200-2000-2000	B	.72
05239	.5 - .5 - .25	1200-2000-2000	A	.72
4817	.5 - .5 - .15*	2000-1200-2000	B	1.26
03029	.5 - .25 - .25	2000-1200-1200	B	.72
30-4027	.5* - .25 - .25	1200-1200-1200	B	.48
05622	.5 - .25 - .25*	2000-1200-2000	A	.72
05433	.5 - .25 - .05	1200-2000-2000	B	.48
30-4044	.25 - .09 - .05	800-400-800	B	.45
04731	.25 - .05 - .05	2000-2000-2000	B	.30
30-4017	20.0 - .5 - .25 - .25	15-2000-1200-1200	B	1.08
04407	.5 - .5 - .25 - .25	1200-1200-1200-1200	B	.72
4860	3.5* - 1.0* - .13* - 1.0*	800-800-1200-800	C	3.06
05324	.5 - .25 - .05 - .05	1200-2000-2000-2000	B	.72
30-4013	.05 - .09 - .09 - .5	2000-1200-1200-2000	B	.48
30-4078	.25 - .25 - .25 - .25	1200-1200-2000-2000	B	.45
30-4000	.75* - .25* - .2* - .09* - .05	1200-1200-1200-1200-2000	B	.72
03945	.5 - .5 - .25 - .15 - .2	1200-1200-1200-2000-1200	B	.78
03459	.5 - .5 - .25 - .15 - .1	1200-1200-1200-2000-2000	B	.90
03489	.015* - 1.0* - .5* - .5* - .5*	1200-400-400-400-800	C	1.26
05569	.5* - .5* - .25* - .15* - .1*	1200-1200-1200-2000-2000	B	.72
03915	.5 - .25 - .15 - .1 - .5	400-400-800-800-400	B	.78
06624	.25 - .09 - .09 - .05 - .05	2000-1200-1200-2000-2000	B	.54
30-4151	.25 - .5 - .05 - .05 - .05	400-400-800-800-800	B	.60
30-4063	.05 - .09 - .09 - .5 - .2	2000-1200-1200-2000-1200	B	.51
30-4026	1.0 - 2.0 - 2.0 - .5 - .5	1200-2000-2000-2000-2000	C	2.16
30-4023	.5* - .25* - .2* - .09* - .09* - .05*	1200-1200-1200-1200-1200-2000	B	.72
30-4077	.25 - .25 - .25 - .05 - .05 - .05	400-400-400-800-800-800	B	.60

*Not grounded to case.

Philco Paper Condensers

For General Replacement in Any Make Radio

Tubular Condensers (Paper Housing)

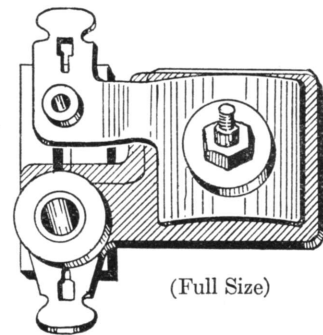


These small condensers are extremely handy for quick replacements. The higher values are useful for interference elimination in small appliances. Note the complete range of values. Note that both the test voltage and actual working voltage are

listed. This is done so that the serviceman will know exactly what each condenser will stand, instead of being misled by the usual highly over-rated voltages which apply to a momentary test only.

Part No.	Capacity (Mfd.)	Working Voltage	Test Voltage	NET DEALER PRICE
30-4042	.003	800	1600	\$0.15
30-4125	.006	400	800	.15
30-4024	.006	1000	2000	.24
30-4112	.008	400	800	.15
30-4169	.01	400	800	.18
30-4145	.01	600	1200	.15
30-4051	.01	1000	2000	.24
30-4113	.02	400	800	.18
30-4025	.03	200	400	.18
30-4119	.04	400	800	.18
30-4020	.05	200	400	.21
30-4123	.05	400	800	.21
30-4012	.05	600	1200	.24
30-4114	.06	400	800	.21
30-4115	.08	400	800	.21
30-4122	.1	200	400	.21
30-4170	.1	400	800	.21
30-4134	.25	400	800	.27
30-4146	.25	200	400	.24
30-4117	.5	300	600	.36

Compensating Condensers

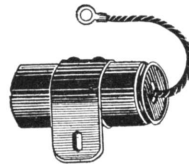


(Full Size)

Carefully built padding condensers. Used in adjusting R. F. and I. F. circuits, oscillator circuits, etc. Built on a rigid base of heavy insulating material, with a heavy steel fixed plate and phosphor bronze movable plates with mica insulation. Adjustable by means of a fibre hex wrench (Philco Part No. 3164).

Tubular Condensers (Metal Housing)

These rugged condensers are used chiefly for elimination of ignition interference on auto-radio installations, and also for suppressing interference caused by electric motors and other electrical appliances. Furnished in several types of mounting.



Part No.	Capacity (Mfd.)	Operating Voltage	Length	Diameter	Mounting Bracket	NET DEALER PRICE
30-4018	.5	200	1 ³ / ₄ "	3 ¹ / ₄ "	End mounting	\$0.30
30-4011	.5	400	1 ¹³ / ₁₆ "	3 ¹ / ₂ "	Left-hand side	.30
30-4015	.5	400	1 ¹³ / ₁₆ "	3 ¹ / ₂ "	Right-hand side	.30
30-4007	.5	200	1 ³ / ₄ "	3 ¹ / ₂ "	Right-hand side (slotted)	.30
4522	1.0	400	2 ¹ / ₄ "	1 ¹ / ₄ "	Side (adjustable)	.45

Part No.	Capacity Range (Mmfd.)	No. Plates	NET DEALER PRICE
04000-E	5-30*	2	\$0.09
04000-C	5-30	2	.09
04000-D	5-50*	2	.09
04000-A	5-50	2	.09
04000-X	15-80*	2 ¹ / ₂	.12
04000-M	15-80	2 ¹ / ₂	.12
04000-H	30-140*	3	.12
04000-J	30-140	3	.12
04000-F	80-250*	5	.15
04000-B	80-250	5	.15
04000-S	125-450*	7	.21
04000-T	125-450	7	.21
04000-U	300-1300	11	.36

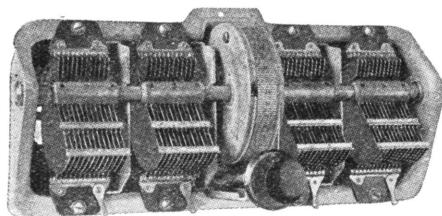
*Grounded. Fixed plate connected to mounting hole eyelet for grounding to chassis.

Philco Tuning Condensers

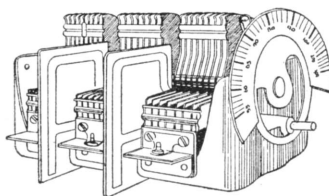
For Replacement Purposes or Experimental Work

Philco tuning condensers are made in several types of drive, and in two-, three- or four-gang style. May be used for replacement in many cases, and are particularly recommended for servicemen, experimenters and set builders. Wide range of choice and exceptional value. Philco standard quality construction throughout.

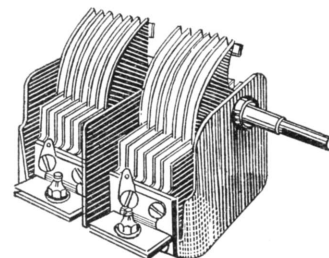
Type A—4-gang



Type B—3-gang



Type C—2-gang



Most of the Philco four-gang tuning condensers are of the type illustrated above. These condensers are built in a steel mounting shell, cadmium plated. The insulating material is the best grade of bakelite. The condensers are counter-balanced and the rotors are driven by a reduction drive cable. The rotor shaft is solid stainless steel set in bronze bearings.

The three-gang tuning condensers listed below operate on a friction type reduction drive through the dial or through a reduction cable drive as listed below. The split plates are adjusted to maintain perfect balance in each section throughout the whole capacity range. Built-in padding condensers provide a means of balancing each condenser in each circuit.

Two-gang condensers are similar in construction to the three-gang type, but have smaller sections. Direct drive and reduction drive types are available as specified below. Built-in padding condensers permit balancing of each condenser in each circuit.

Part No.	Max. Cap. (Mfd.)	Drive	NET DEALER PRICE
3376E	.00025	Cable	\$7.20
04941	.000335	Cable	3.96
03001	.00035	Friction	4.50
3001B	.0005	Cable	9.72
31-1039	.000335* .00015†	Direct	3.24

Part No.	Max. Cap. (Mfd.)	Drive	NET DEALER PRICE
04308	.000325	Worm	\$3.78
03293	.000335	Friction	3.24
06577	.000337	Cable	2.88
03076	.00035	Friction	3.60
31-1040	.00037	Cable	1.80

Part No.	Max. Cap. (Mfd.)	Drive	NET DEALER PRICE
03692	.000235	Friction	\$2.34
31-1000	.000335	Direct	1.26
05794	.000337	Direct	1.80
31-1034	.00037	Direct	1.26
31-1006	.00037	Friction	1.41

*Inside Sections †Outside Sections

Philco Tone Controls

Philco Tone Controls provide an excellent opportunity for added business to the aggressive serviceman. This very desirable feature can be added to any set in a very short time by following the wiring instructions given here:

Drill a 3/8-inch hole for the tone control shaft.

For radio sets with push-pull output tubes, connect tone control to plate of first audio or to plate of power detector if no first audio is used. For sets having a single output tube, connect tone control to plate of same. Ground tone control frame to set chassis.

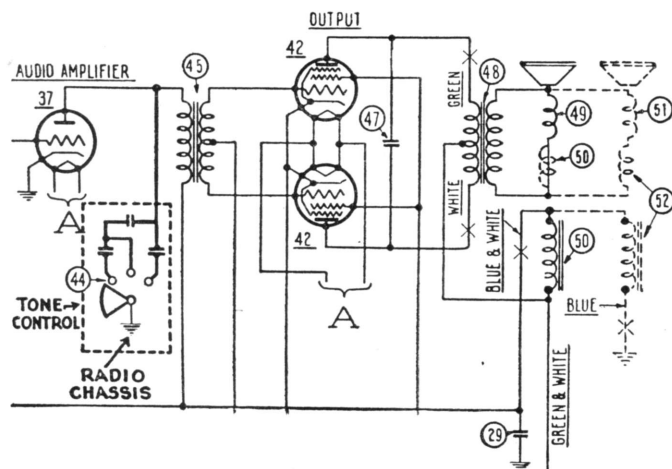
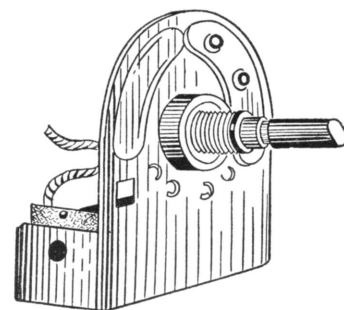


Diagram of Tone Control

Part No.	No. of Points	Capacity Ranges	NET DEALER PRICE
03637	2	Point 1—0 Mfd. Point 2—.01 Mfd.	\$0.30
04757	2	Point 1—0 Mfd. Point 2—.02 Mfd.	.30
05153	2	Point 1—.01 Mfd. Point 2—.02 Mfd.	.30
30-4008	2	Point 1—.01 Mfd. Point 2—.025 Mfd.	.30
04787	4	Point 1—0 Mfd. Point 2—.015 Mfd. Point 3—.025 Mfd. Point 4—.035 Mfd.	.45

Philco Electrolytic Condensers

For Replacement in Every Make Receiver

All Voltages Listed Are Guaranteed Continuous Working Voltages—
Not “Peak” or “Surge” Voltage

Philco Electrolytic Condensers are furnished in all standard values and types and are designed for replacement use in all makes of radio.

“Stud type” condensers are fitted with a large threaded bolt or “stud” at one end, as illustrated. They are mounted vertically on the receiver chassis by means of this stud and secured by a suitable nut and washer. This type may also be used for clamp mounting by inverting (stud at top) and securing clamp around bottom, just above chassis (clamp is bolted to chassis).

“Clamp type” condensers are mounted by a clamp around the bottom as just described above.

Note: Always use a replacement of the same general type, that is, replace a wet type condenser with a wet one, etc. It is always satisfactory to replace with a condenser of higher voltage rating than the original. In other words, a condenser rated at 450 volts makes an excellent replacement for one rated at 250.

Wet Electrolytics—(Stud Mounting)



ALUMINUM CONTAINER

Part No.	Mfd.	Volts	Length	Diameter	NET DEALER PRICE
30-2056	4	475	4 1/2"	1 3/8"	\$0.60
30-2057	6	475	4 1/2"	1 3/8"	.69
30-2058	8	475	4 1/2"	1 3/8"	.72
30-2060*	10	400	4 7/8"	1 3/8"	.72
30-2061	14	400	4 7/8"	1 3/4"	.84

*Used for replacement in R.C.A.-Victor 1930-31 models.

COPPER CONTAINER

Part No.	Mfd.	Volts	Length	Diameter	NET DEALER PRICE
4916	6	400	4 5/8"	1 1/2"	\$0.90
6706	8	400	4 7/8"	1 1/2"	.93
6893	10	475	5"	1 1/16"	1.11
4818	12	400	4 3/4"	2"	1.08
5725†	14	400	5 1/8"	1 1/16"	1.17

†Used for replacement in Philco 25-cycle sets.

Wet Electrolytics—(Clamp Mounting)



ALUMINUM CONTAINER

Part No.	Mfd.	Volts	Length	Diameter	NET DEALER PRICE
7467	4	400	4 1/2"	1 3/8"	\$0.63
7556	6	400	4 1/2"	1 3/8"	.72
7557	8	400	4 1/2"	1 3/8"	.75

COPPER CONTAINER

Part No.	Mfd.	Volts	Length	Diameter	NET DEALER PRICE
6453	6	475	4 5/8"	1 1/2"	\$0.90
6707	8	475	4 7/8"	1 1/2"	.93
5142	10	400	4 7/8"	1 1/16"	1.11

Part No. 6440.	Clamp for use in clamp mounting	each	NET DEALER PRICE \$0.03
Part No. 6441.	Insulating Paper Washers (for use under clamp)	per hundred	0.33

USE PHILCO REPLACEMENT PARTS FOR REPAIRING ANY RADIO

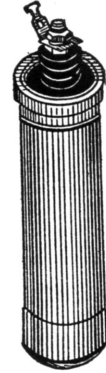
Philco Dry Electrolytic Condensers

For General Replacement in Any Make Radio

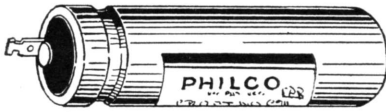
Dry Electrolytics (Stud Mounting)

Part No.	Capacity (Mfd.)	Wkg. Volt.	Length Diameter	NET DEALER PRICE
7441	4	450	2 ⁵ / ₈ " x 1 ³ / ₈ "	\$0.69
30-2048	6	450	4 ³ / ₈ " x 1"	.81
30-2049	8	450	4 ³ / ₈ " x 1 ³ / ₈ "	.84
8022	10	450	4 ³ / ₂ " x 1 ³ / ₈ "	1.02
30-2051	4	250	3 ¹ / ₄ " x 1"	.60
30-2052	6	250	3 ¹ / ₄ " x 1"	.72
30-2053	8	250	3 ¹ / ₄ " x 1"	.75
30-2054	10	250	4 ³ / ₈ " x 1"	.84
30-2012	10	50	1 ⁵ / ₈ " x 1"	.57
30-2003*	10	50	1 ² / ₂ " x 1"	.57

*Threaded bolt projects from base.

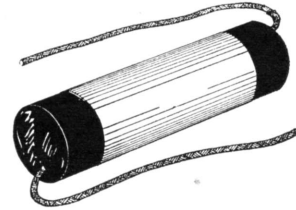


Dry Electrolytics (Clamp Mounting)



Part No.	Capacity (Mfd.)	Working Voltage	NET DEALER PRICE
30-2007	4	250	\$0.54
(2 ⁵ / ₈ " x 1")			
8095	6	450	.78
(2 ² / ₂ " x 1 ³ / ₈ "			
30-2014	8	475	.90
(4 ⁵ / ₂ " x 1 ³ / ₈ "			
30-2001	12	150	.75
(3 ³ / ₁₆ " x 1")			

Dry Electrolytics (Cardboard Case)



Part No.	Capacity (Mfd.)	Wkg. Volt.	Length Diameter	NET DEALER PRICE
30-2041	4	50	2 ³ / ₈ " x ⁹ / ₁₆ "	\$0.42
30-2055	10	50	2 ¹ / ₂ " x ¹ / ₁₆ "	.51

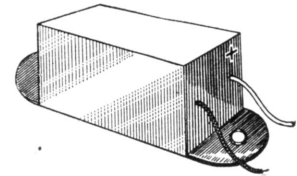
6-inch insulated lead projects from each end

Multiple Sections—Clamp Type Mounting Only

Part No.	Capacities (Mfd.)	Working Voltage	Lgth. Diam.	NET DEALER PRICE
30-2028	8 and 8 (2 sec.)	450	5 ¹ / ₈ " x 1 ³ / ₈ "	\$1.29
30-2013	8 and 4 (2 sec.)	450	4 ⁵ / ₈ " x 1 ³ / ₈ "	1.17
30-2002	12 and 3 (2 sec.)	100	3 ³ / ₂ " x 1"	.78
30-2029	1, 1 and 2 (3 sec.)	300	3 ³ / ₂ " x 1 ³ / ₈ "	1.11
30-2045	8 and 10 (2 sec.)	450-50	4 ³ / ₂ " x 1 ³ / ₈ "	1.08
30-2062	8, 2 and 10 (3 sec.)	475-475-50	4 ⁹ / ₁₆ " x 1 ³ / ₈ "	1.56
30-2077	9, 9 and 18 (3 sec.)	450	5 x 3	3.45

Block Type Dry Electrolytics

These cardboard case dry electrolytic condensers are of the finest quality. Designed to be ideal replacement units for condensers of this type. Quickly and easily mounted by screws through the eyeletted holes in flanges.



Part No.	Capacity (Mfd.)	Working Voltage	Length	Width	Height	NET DEALER PRICE
*	1	500				
*	2	500				
*	3	500				
30-2064	4	500	4 ¹ / ₈ "	x 1 ⁵ / ₁₆ "	x 5 ⁵ / ₈ "	\$0.63
30-2065	6	500	4 ¹ / ₈ "	x 1 ⁵ / ₁₆ "	x 7 ⁷ / ₈ "	.75
30-2066	8	500	4 ¹ / ₈ "	x 1 ⁵ / ₁₆ "	x 7 ⁷ / ₈ "	.78
30-2038	10	500	4 ¹ / ₈ "	x 1 ⁹ / ₁₆ "	x 1 ²¹ / ₆₄ "	.93
30-2042	4	250	2 ³ / ₈ "	x 1 ¹ / ₁₆ "	x 1 ¹ / ₁₆ "	.54
30-2043	6	250	2 ³ / ₈ "	x 1 ¹ / ₁₆ "	x 1 ¹ / ₁₆ "	.66
30-2059	8	250	2 ³ / ₈ "	x 1 ¹ / ₁₆ "	x 1 ¹ / ₁₆ "	.69
30-2044	10	250	2 ³ / ₈ "	x 1 ¹ / ₁₆ "	x 1 ¹ / ₁₆ "	.78
7440	10 (Metal case)	25	2 ³ / ₄ "	x 3 ³ / ₄ "	x 1 ¹ / ₄ "	.48
6442	20 (No Flanges)	15	2 ¹ / ₁₆ "	x 3 ³ / ₄ "	x 1 ¹⁵ / ₁₆ "	.48
30-2004	4 and 8 (2 sections)	450	2 ¹ / ₁₆ "	x 1 ¹ / ₄ "	x 2 ³ / ₂ "	1.20
30-2005	4 and 8 (2 sections)	250	2 ¹ / ₂ "	x 1 ⁵ / ₂ "	x 2 ⁵ / ₁₆ "	1.08

*For best results use No. 30-2064 unit (4 Mfd.) for replacement of this value.

PHILCO REPLACEMENT PARTS FIT ANY AUTO-RADIO

Philco General Replacement Parts Kits

PHILCO
GENERAL REPLACEMENT **SPECIAL 5-WATT RESISTORS** GUARANTEED RATING

50 Ohms Part 33-3051 Part 33-3052 700 Ohms
 100 Ohms Part 33-3054 Part 33-3055 1000 Ohms
 200 Ohms Part 33-3075 Part 33-3062 1500 Ohms
 300 Ohms Part 33-3057 Part 33-3064 2000 Ohms
 500 Ohms Part 33-3059 Part 33-3067 5000 Ohms

ADDITIONAL VALUES AVAILABLE AT YOUR PHILCO DISTRIBUTOR—

Part No.	Ohms	NET DEALER PRICE	Part No.	Ohms	NET DEALER PRICE	Part No.	Ohms	NET DEALER PRICE
33-3051	50	20	33-3052	700	20	33-3053	100	20
33-3054	100	20	33-3055	1000	20	33-3056	1500	20
33-3057	200	20	33-3058	300	20	33-3059	500	20
33-3062	1500	20	33-3063	2000	20	33-3064	2000	20
33-3067	5000	20	33-3068	7000	20	33-3069	10000	20

PHILCO
TORONTO — PHILADELPHIA — LONDON

Kit No. 45-1094

Special 5-Watt Resistors

KIT No. 45-1094—Ten heavy porcelain-base wire-wound resistors built with a special insulation coating and guaranteed to stand a continuous 5-watt load. Useful wherever a heavy-duty resistor is needed in a radio circuit. Range of values from 50 to 5000 ohms. Each two inches long. Net Dealer Price **\$3.12**

PHILCO
FLEXIBLE WIRE-WOUND RESISTORS
For All Radio Service Work... 1-WATT CAPACITY

5 Ohms Part 33-3041 Part 33-3042 100 Ohms
 10 Ohms Part 33-3043 Part 33-3044 200 Ohms
 15 Ohms Part 33-3045 Part 33-3046 300 Ohms
 20 Ohms Part 33-3047 Part 33-3048 400 Ohms
 25 Ohms Part 33-3049 Part 33-3050 500 Ohms
 30 Ohms Part 33-3051 Part 33-3052 600 Ohms
 35 Ohms Part 33-3053 Part 33-3054 700 Ohms
 40 Ohms Part 33-3055 Part 33-3056 800 Ohms
 45 Ohms Part 33-3057 Part 33-3058 900 Ohms
 50 Ohms Part 33-3059 Part 33-3060 1000 Ohms
 60 Ohms Part 33-3061 Part 33-3062 1200 Ohms
 70 Ohms Part 33-3063 Part 33-3064 1500 Ohms

RMA Standard Color Code Used on These Resistors

OTHER VALUES AND CAPACITIES AVAILABLE FROM YOUR PHILCO DISTRIBUTOR:

Part No.	Resistance (Ohms)	Color Code	Part No.	Resistance (Ohms)	Color Code
33-3065	2000	Red-Black	33-3066	3000	Red-Orange
33-3067	5000	Red-Orange	33-3068	10000	Red-Blue
33-3069	15000	Red-Green	33-3070	20000	Red-Violet
33-3071	30000	Red-White	33-3072	50000	Red-Gray
33-3073	100000	Red-Brown	33-3074	200000	Red-Black
33-3075	500000	Red-Orange	33-3076	1000000	Red-Blue
33-3077	1000000	Red-Green	33-3078	2000000	Red-Violet
33-3079	5000000	Red-White	33-3080	10000000	Red-Gray

PHILCO
TORONTO — PHILADELPHIA — LONDON

Kit No. 45-1087

Flexible Wire-Wound Resistors

KIT No. 45-1087—A complete assortment of 21 different values in this popular and handy type of resistance. Very easily mounted; *guaranteed* one-watt capacity. Values range from 5 ohms to 2,000 ohms. A most desirable and useful kit. Net Dealer Price **\$3.15**

PHILCO
MICA CONDENSERS
For General Replacement Use
IN ANY RADIO

Part No. 33-3107 Part No. 33-3108 Part No. 33-3109 Part No. 33-3110 Part No. 33-3111
 Part No. 33-3112 Part No. 33-3113 Part No. 33-3114 Part No. 33-3115 Part No. 33-3116
 Part No. 33-3117 Part No. 33-3118 Part No. 33-3119 Part No. 33-3120 Part No. 33-3121

Many Intermediate Values Available—See Philco Catalog

PHILCO
TORONTO — PHILADELPHIA — LONDON

Kit No. 45-1092

Mica Condensers

KIT No. 45-1092—Here is one of the handiest and most desirable assortments ever made up for the radio serviceman. Fifteen values of mica condensers in a complete series ranging from .00005 mfd. to .006 mfd. Every needed capacity included in this kit of compact, quickly installed condensers. Net Dealer Price **\$3.81**

PHILCO
FOR HEAVY-DUTY REPLACEMENT **SPECIAL 10-WATT RESISTORS** GUARANTEED RATING

1,000 Ohms Part No. 33-3104
 2,000 Ohms Part No. 33-3107
 3,000 Ohms Part No. 33-3109
 4,000 Ohms Part No. 33-3112
 5,000 Ohms Part No. 33-3114
 10,000 Ohms Part No. 33-3116

ADDITIONAL VALUES AVAILABLE FROM YOUR PHILCO DISTRIBUTOR—

Part No.	Ohms	NET DEALER PRICE	Part No.	Ohms	NET DEALER PRICE
33-3104	1000	20	33-3105	1500	20
33-3107	2000	20	33-3108	2500	20
33-3109	3000	20	33-3110	3500	20
33-3112	4000	20	33-3113	4500	20
33-3114	5000	20	33-3115	6000	20
33-3116	10000	20	33-3117	15000	20

PHILCO
TORONTO — PHILADELPHIA — LONDON

Kit No. 45-1095

Special 10-Watt Resistors

KIT No. 45-1095—A series of six extra heavy duty porcelain base resistors, suitable for use in power amplifiers, public address or theatre sound systems or anywhere that a continuous load up to ten watts is to be carried. Wire-wound, special insulation. The kit contains six most wanted values from 1,000 to 15,000 ohms. Each four inches long. Net Dealer Price **\$3.30**

PHILCO RESISTORS
FOR ALL RADIO WORK

Resistance 1,000 Ohms Part No. 5837 Part No. 5385 Resistance 70,000 Ohms
 2,500 Ohms 7775 33-1047 100,000 Ohms
 5,000 Ohms 5310 33-1048 200,000 Ohms
 8,000 Ohms 5838 33-1081 250,000 Ohms
 10,000 Ohms 4412 33-1049 300,000 Ohms
 15,000 Ohms 6008 33-1051 500,000 Ohms
 25,000 Ohms 4516 4409 1,000,000 Ohms
 50,000 Ohms 33-1045 5872 2,000,000 Ohms

1-WATT CAPACITY

Resistance	Part No.	Resistance	Part No.
1,000 Ohms	4590	33-1060	50,000 Ohms
2,000 Ohms	4515	3548	70,000 Ohms
2,500 Ohms	33-1058	33-1061	100,000 Ohms
5,000 Ohms	3550	33-1087	250,000 Ohms
8,000 Ohms	7835	33-1062	300,000 Ohms
10,000 Ohms	3554	33-1063	500,000 Ohms
15,000 Ohms	5278	4414	1,000,000 Ohms
25,000 Ohms	3550	33-1113	2,000,000 Ohms

SEE BACK OF CARD FOR LIST OF ADDITIONAL VALUES

EXPLANATION OF RESISTOR COLOR CODE
 The standard RMA color code is used on all Philco resistors. Each resistor has three color markings: the body color, top color, and dot in center of body. The top color indicates the color representing different figures in the value of the resistor. The color of the body indicates the first figure of the resistor, the color of the top the second figure, and the color of the dot the number of zeros after the first two figures.
 For example a resistor of 250,000 ohms would be: Body, red; top, green; dot, yellow.
 BLACK...0 RED...1 YELLOW...2 BLUE...3 GRAY...4
 BROWN...5 ORANGE...6 GREEN...7 VIOLET...8 WHITE...9

PHILCO
TORONTO — PHILADELPHIA — LONDON

Kit No. 45-1093 Kit No. 45-1098

Resistors

KIT No. 45-1093—Consists of 16 each, 1/2-watt and 1-watt carbon resistors, in a complete range of the most popular and commonly used values, from 1000 ohms to 2 megohms. 32 resistors in all. An indispensable kit for any serviceman or dealer. Net Dealer Price **\$4.80**

KIT No. 45-1098
 Same as above but with metallized resistors. Net Dealer Price **\$4.80**

PHILCO BY-PASS CONDENSERS
Made and Guaranteed By Philco

100 MFD. Part 33-3107-C
 200 MFD. Part 33-3108-B
 300 MFD. Part 33-3109-B
 400 MFD. Part 33-3110-B
 500 MFD. Part 33-3111-B
 600 MFD. Part 33-3112-M
 700 MFD. Part 33-3113-B
 800 MFD. Part 33-3114-B
 900 MFD. Part 33-3115-B
 1000 MFD. Part 33-3116-B
 1100 MFD. Part 33-3117-B
 1200 MFD. Part 33-3118-B
 1300 MFD. Part 33-3119-B
 1400 MFD. Part 33-3120-B

For new mounting with drive screw—0.015" hole. All condensers listed here can be obtained by your Philco Distributor, also "bulk" or double condensers and combinations of two of the above capacities, in one unit. See page 1 of Philco Parts Catalog.

PHILCO
TORONTO — PHILADELPHIA — LONDON

Kit No. 45-1091

Bakelite Cased Condensers

KIT No. 45-1091—These condensers are one of the most convenient types ever designed for the serviceman or builder and are now available in a complete line of popular values. Mounted on chassis by means of bolt through one end, they are rugged and sturdy, and the lugs on top provide ready connection to other parts in the circuit. 15 values ranging from .001 to .18 mfd. Test voltage 800. Made and guaranteed by Philco. Net Dealer Price **\$2.79**

Popular Type Parts for Repairing All Makes

PHILCO
TUBULAR PAPER CONDENSERS
For All Service and Replacement Work

PART NUMBER AND CAPACITY	PHILCO	PART NUMBER AND CAPACITY
38-4042 202 MFD. 500 V.		38-4012 20 MFD. 400 V.
38-4120 500 MFD. 400 V.		38-4124 50 MFD. 400 V.
38-4112 200 MFD. 400 V.		38-4115 10 MFD. 400 V.
38-4141 21 MFD. 400 V.		38-4122 10 MFD. 200 V.
38-4051 21 MFD. 2000 V.		38-4120 10 MFD. 400 V.
38-4113 22 MFD. 400 V.		38-4128 10 MFD. 400 V.
38-4025 23 MFD. 200 V.		38-4134 25 MFD. 400 V.
38-4119 24 MFD. 400 V.		
38-4121 25 MFD. 400 V.		

All voltages listed above are actual working voltages
PHILCO CATALOG LISTS PARTS FOR ALL MAKES OF RADIOS

PHILCO
TORONTO - PHILADELPHIA - LONDON

Kit No. 45-1089

Tubular Paper Condensers

KIT No. 45-1089—Tubular paper condensers, because of their compactness and easy insertion in any circuit, are rapidly coming into favor with all radio manufacturers. Here is a complete assortment of these handy little units, in every standard capacity from .003 to .25 mfd. You can't go wrong on this kit.
Net Dealer Price \$2.94

PHILCO
COMPENSATING CONDENSERS
For Adjusting Radio Frequency Circuits

The above caption can also be furnished as a fixed plate provided no mounting space. Part Nos. (same order as above)
04000, price .09, 04005, price .09, 04006, price .11, 04007, price .11, 04008, price .11, and 04009, price .11.
Prices given above are net dealer prices. Order from your distributor.

PHILCO
TORONTO - PHILADELPHIA - LONDON

Kit No. 45-1088

Compensating Condensers

KIT No. 45-1088—One dozen high-grade mica compensating condensers made right in the Philco factories and accurately tested. Two each of six different capacity ranges. Ideal padding condensers for R. F. and I. F. circuits, suitable either for replacement in any make or for experimental set building. An attractive and useful kit.
Net Dealer Price \$1.56

PHILCO
PILOT LAMPS
FOR ALL RADIO RECEIVERS

Part No. 6508—6.3 volts							
Part No. 3463—2.7 volts							
Part No. 5216—2.0 volts For battery sets—order 60 M. A.							

PHILCO PARTS CATALOG LISTS PARTS FOR ALL RADIOS

PHILCO
TORONTO - PHILADELPHIA - LONDON

Kit No. 45-1090

Pilot Lamps

KIT No. 45-1090—The new Philco Pilot Lamp Card is one of the most convenient and desirable in this whole group. Twelve 6-volt, twelve 2½-volt and three 2-volt (battery type) pilot lamps comprise the assortment. A fast-moving item which no live dealer can afford to overlook.
Net Dealer Price \$2.21

PHILCO
GENERAL REPLACEMENT
VOLUME CONTROLS
FOR SERVING ANY MAKE OF RADIO RECEIVER

Guaranteed by Philco

Part 33-5846 2,000 Ohms Tapped 25 Ohms First 1/2 Rotation Ungrounded Shaft	Part 33-5847 8,000 Ohms Grounded Shaft	Part 33-5848 20,000 Ohms Ungrounded Shaft
Part 33-5851 50,000 Ohms Counter-Clockwise Rotation Grounded Shaft	Part 33-5852 100,000 Ohms Ungrounded Shaft	Part 33-5853 1,000,000 Ohms (1 meg.) Ungrounded Shaft

Other Philco General Replacement Volume Controls Available

Resistance Ohms	Style	Part No.	Resistance Ohms	Style	Part No.
15,000	Ungrounded Shaft	33-5849	Ungrounded Shaft	100,000	33-5854
20,000	Grounded Shaft	33-5847	Ungrounded Shaft	1,000,000	33-5855
20,000	Grounded Shaft, Counter-clockwise rotation	33-5851	Ungrounded Shaft	1,000,000	33-5856

All of the above controls are available with On-Off Switch. See page 18 of the Philco Parts Catalog for part numbers and prices.

PHILCO
TORONTO - PHILADELPHIA - LONDON

Kit No. 45-1096

Volume Control

KIT No. 45-1096—These are the new Philco General Replacement Volume Controls with the long flatted shaft, suitable for use in any receiver. Six of the most often-called-for values, so that any service requirement can be promptly handled. Attractively mounted but quickly detached for installation.
Net Dealer Price \$3.60

PHILCO
GENERAL REPLACEMENT
Volume Controls with On-Off Switch
FOR USE IN ANY MAKE RADIO

Guaranteed by Philco

Part 33-5849 2,000 Ohms Tapped 25 Ohms First 1/2 Rotation Ungrounded Shaft	Part 33-5853 8,000 Ohms Grounded Shaft	Part 33-5852 20,000 Ohms Ungrounded Shaft
Part 33-5857 50,000 Ohms Counter-Clockwise Rotation Grounded Shaft	Part 33-5829 100,000 Ohms Ungrounded Shaft	Part 33-5828 1,000,000 Ohms (1 meg.) Ungrounded Shaft

Other Philco General Replacement Volume Controls Available

Resistance Ohms	Style	Part No.	Resistance Ohms	Style	Part No.
15,000	Ungrounded Shaft	33-5849	Ungrounded Shaft	100,000	33-5854
20,000	Grounded Shaft	33-5847	Ungrounded Shaft	1,000,000	33-5855
20,000	Grounded Shaft, Counter-clockwise rotation	33-5851	Ungrounded Shaft	1,000,000	33-5856

All of the above controls are available without Switch.

PHILCO
TORONTO - PHILADELPHIA - LONDON

Kit No. 45-1097

Volume Control with Switch

KIT No. 45-1097—The same identical kit as No. 45-1096, but each control has a standard SPST switch mounted on the back so that the switch operates with the first clockwise movement of the control, as is the practice on most modern receivers. Including six popular values, this kit is bound to bring quick returns on your investment.
Net Dealer Price \$5.22

PHILCO
TONE CONTROL

Install a Genuine
PHILCO
TONE CONTROL
ON ANY MAKE RECEIVER

PHILCO TONE CONTROL can be easily added to any set which does not have the most desirable feature, "Dull", meaning hole. Connect as shown in diagram below.

WIRING INSTRUCTIONS

For radio sets with push-pull output tubes, connect tone control to plate of first audio or to plate of power detector if no first audio is used. For radio sets with a single output tube, connect tone control to plate of output tube. Ground tone control leads to receiver chassis.

This kit can be re-ordered as part No. 7708, Net Dealer Price \$3.60

PHILCO
PHILADELPHIA - TORONTO - LONDON

Kit No. 7708

Tone Controls

KIT No. 7708—One of the most useful and profitable of all the Philco Kits. Eight standard Philco four-point tone controls. A wiring diagram, showing how to install one on a set having no tone control, is printed directly on the mounting card. Any live serviceman or dealer can make a nice profit installing these controls on old model sets.
Net Dealer Price \$3.60

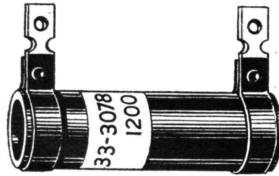
Philco General Replacement Resistors

Wire-Wound Construction—Special Insulation Coating

GUARANTEED 5-WATT OR 10-WATT RATING—UNDERWRITER APPROVED

These high-grade resistors are built to our rigid specifications, and must come up to all load requirements of resistors used in the most expensive Philco receivers. They must not be confused with the cheap resistors, rated far above their real capacity,

with which the radio parts market is flooded. Every one of these Philco resistors will handle a continuous load indefinitely, at the specified power rating, without overheating.



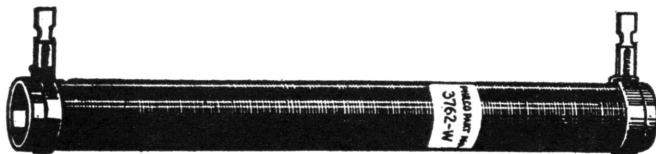
5-Watt Resistors
All 2" long, $\frac{9}{16}$ " diameter

10-Watt Resistors
All 4" long, $\frac{9}{16}$ " diameter

Part No.	Ohms	NET DEALER PRICE	Part No.	Ohms	NET DEALER PRICE
33-3071	5	\$0.30	33-3076	700	\$0.30
33-3049	10	.30	33-3077	800	.33
33-3072	15	.30	33-3061	1000	.33
33-3050	20	.30	33-3078	1200	.33
33-3073	25	.30	33-3062	1500	.33
33-3051	30	.30	33-3063	2000	.33
33-3074	40	.30	33-3064	2500	.33
33-3052	50	.30	33-3065	3000	.33
33-3053	75	.30	33-3066	4000	.33
33-3054	100	.30	33-3067	5000	.33
33-3055	150	.30	33-3079	6000	.39
33-3075	200	.30	33-3068	7500	.39
33-3056	250	.30	33-3080	10000	.39
33-3057	300	.30	33-3081	12000	.39
33-3058	400	.30	33-3082	15000	.39
33-3059	500	.30	33-3083	20000	.39
33-3060	600	.30	33-3084	25000	.42

Part No.	Ohms	NET DEALER PRICE	Part No.	Ohms	NET DEALER PRICE
33-3085	5	\$0.45	33-3102	700	\$0.45
33-3086	10	.45	33-3103	800	.45
33-3087	15	.45	33-3104	1000	.45
33-3088	20	.45	33-3105	1200	.54
33-3089	25	.45	33-3106	1500	.54
33-3090	30	.45	33-3107	2000	.54
33-3091	40	.45	33-3108	2500	.54
33-3092	50	.45	33-3109	3000	.54
33-3093	75	.45	33-3110	4000	.54
33-3094	100	.45	33-3111	5000	.54
33-3095	150	.45	33-3112	6000	.54
33-3096	200	.45	33-3113	7500	.60
33-3097	250	.45	33-3114	10000	.60
33-3098	300	.45	33-3115	12000	.63
33-3099	400	.45	33-3116	15000	.63
33-3100	500	.45	33-3117	20000	.63
33-3101	600	.45	33-3118	25000	.63

Philco Wire-Wound Resistors



Tapped Type (Shown directly above)

Porcelain Tube Wire-Wound Resistors

Wound on heavy porcelain tubes $\frac{9}{16}$ " diameter. Suitable for all kinds of replacement work. Furnished in various values, with single or tapped windings.

Single Resistance Type

Part No.	Ohms	Watts	Length	NET DEALER PRICE
5635	200	1.5	1 $\frac{7}{8}$ "	\$0.21
4859	200	8	3 $\frac{1}{2}$ "	.45
7465	325	1	1"	.09
3763	800	3	1 $\frac{7}{8}$ "	.21
6451	5600	9	5 $\frac{9}{16}$ "	.18
33-3033	6500	7	4 $\frac{9}{16}$ "	.18
3762	8300	3	5 $\frac{1}{2}$ "	.69
4532	10000	2.5	5 $\frac{1}{2}$ "	.30

Part No.	Total Resistance (Ohms)	Resistance Between Taps (Ohms)	Length	NET DEALER PRICE
4057	6	2, 4	4 $\frac{9}{16}$ "	\$0.57
4858	53	14, 10, 29	5 $\frac{9}{16}$ "	.54
6716	86	16, 70	4 $\frac{1}{8}$ "	.12
33-3034	206	84, 112, 10	3"	.12
33-3021	250	20, 100, 130	3"	.12
7998	267	32, 235	1 $\frac{7}{8}$ "	.12
33-3012	271	196, 17, 58	4 $\frac{9}{16}$ "	.18
33-3069	284	21, 263	1 $\frac{7}{8}$ "	.15
6808	290	85, 205	1 $\frac{7}{8}$ "	.15
6700	305	50, 50, 205	1 $\frac{7}{8}$ "	.15
7250	350	50, 300	1 $\frac{7}{8}$ "	.15
6807	425	135, 85, 205	4 $\frac{9}{16}$ "	.24
6452	430	185, 245	1 $\frac{7}{8}$ "	.12
3864	1050	250, 800	1 $\frac{7}{8}$ "	.45
4962	1526.5	16, 10.5, 1500	5 $\frac{9}{16}$ "	.54
3512	2700	700, 2000	5 $\frac{1}{2}$ "	.90
6702	2900	900, 2700, 95, 205	4 $\frac{9}{16}$ "	.30
6008	3605	55, 850, 1400, 1300	4 $\frac{9}{16}$ "	.30
5125	3670	240, 70, 2300, 1060	4 $\frac{9}{16}$ "	.45
5667	3740	180, 60, 3500	4 $\frac{9}{16}$ "	.30
6071	3900	205, 95, 2400, 1200	4 $\frac{9}{16}$ "	.30
3399	4582	640, 157, 3785	5 $\frac{1}{2}$ "	.90
4824	4738	800, 263, 75, 370, 1800, 1430	5 $\frac{9}{16}$ "	.51
3865	4900	1400, 1500, 2000	4 $\frac{9}{16}$ "	.72
3232	4942	1000, 157, 1545, 2240	5 $\frac{1}{2}$ "	1.17
4230	5102	975, 2470, 75, 182, 1400	5 $\frac{9}{16}$ "	.60
5783	9500	4750, 4750	5 $\frac{9}{16}$ "	.36

Philco Wire-Wound Resistors

For Use in Any Make Radio

Flexible Wire-Wound Resistors



Philco flexible wire-wound resistors will be found extremely convenient as a replacement item, as they can be very quickly and easily installed. Available in a very complete range of values. Covered with heavy cotton insulation, colored according to the standard R. M. A. color coding.

1-Watt Capacity

Part No.	Resistance (Ohms)	COLOR CODE			NET DEALER PRICE
		Body	Tip	Dot	
33-3040	5	Black	Green	Black	\$0.15
33-3041	10	Brown	Black	Black	.15
33-3042	15	Brown	Green	Black	.15
33-3043	20	Red	Black	Black	.15
33-3119	30	Orange	Black	Black	.15
33-3044	50	Green	Black	Black	.15
33-3027	75	Violet	Green	Black	.15
33-3023	100	Brown	Black	Brown	.15
33-3045	150	Brown	Green	Brown	.15
33-3120	200	Red	Black	Brown	.15
33-3046	250	Red	Green	Brown	.15
33-3121	300	Orange	Black	Brown	.15
33-3122	400	Yellow	Black	Brown	.15
33-3031	500	Green	Black	Brown	.15
33-3123	600	Blue	Black	Brown	.15
33-3124	700	Violet	Black	Brown	.15
33-3125	800	Gray	Black	Brown	.15
33-3126	1000	Brown	Black	Red	.15
33-3127	1250	Brown	Red	Red	.15
33-3047	1500	Brown	Green	Red	.15
33-3048	2000	Red	Black	Red	.15

1/3-Watt Capacity

Part No.	Resistance (Ohms)	COLOR CODE			NET DEALER PRICE
		Body	Tip	Dot	
33-3010	300	Orange	Black	Brown	\$0.12
6443	700	Violet	Black	Brown	.12
6106	1250	Brown	Red	Red	.12
7688	2500	Red	Green	Red	.12

1/2-Watt Capacity

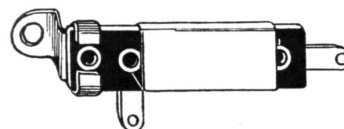
Part No.	Resistance (Ohms)	COLOR CODE			NET DEALER PRICE
		Body	Tip	Dot	
6511	2.7	Black	Orange	Black	\$0.12
7217	200	Red	Black	Brown	.12
33-3016	400	Yellow	Black	Brown	.12
6977	500	Green	Black	Brown	.12
33-3022	800	Gray	Black	Brown	.12
33-3017	1000	Brown	Red	Red	.12

2-Watt Capacity

Part No.	Resistance (Ohms)	COLOR CODE			NET DEALER PRICE
		Body	Tip	Dot	
5110	7	Black	Violet	Black	\$0.18
7155	30	Orange	Black	Black	.18
33-3019	700	Violet	Black	Brown	.18

Flat Wire-Wound Resistors

Part No.	Total Resistance (Ohms)	Resistance Between Taps (Ohms)	Overall Length	NET DEALER PRICE
3628	6		1"	\$0.12
3777	20		1 5/8"	.12
3764	140	70, 70	2 1/8"	.15
4861	210		2 1/2"	.15
6107	225		1 5/8"	.15
4142	250		2 1/2"	.15
4407	311	60, 1, 250	4 3/8"	.30
4961	350		2 5/8"	.15
4408	1050	300, 750	3 7/8"	.24



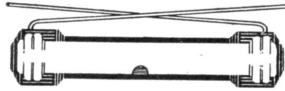
Philco flat type wire-wound resistors are supplied in a representative range of values suitable for replacement use where a small resistor, mounted by means of an eyelet, is required.

Wound on special fiber, thoroughly impregnated and heat-resisting.

Philco Cartridge-Type Resistors

For All Replacement Purposes

Philco now furnishes a complete line of cartridge-type resistors suitable for replacement in any make or type of receiver, as well as for experimental and construction work. These are of the highest standard material and workmanship, and all have the standard R. M. A. color code marking, for quick identification. Note the low prices on these resistors.



1/8 Watt

Part No.	Ohms
33-1028	1,000
33-1029	2,000
33-1030	3,000
33-1031	4,000
33-1001	5,000
33-1032	7,000
33-1033	9,000
33-1000	10,000
8267	13,000
33-1013	25,000
33-1034	50,000
6098	51,000
6099	99,000
33-1035	100,000
6097	490,000
33-1036	500,000
33-1096	1,000,000
33-1025	2,000,000
33-1002	4,000,000

**Dealer Net
Price each
\$0.15**

1/2 Watt

Part No.	Ohms	Part No.	Ohms
5837	1,000	33-1079	60,000
7951	1,500	5385	70,000
6984	2,000	33-1080	75,000
7775	2,500	33-1046	85,000
5309	2,900	4411	99,000
33-1038	3,000	33-1047	100,000
7238	3,300	5331	160,000
33-1039	3,500	33-1048	200,000
33-1040	4,000	4410	240,000
5310	5,000	33-1081	250,000
7352	6,000	33-1049	300,000
33-1041	7,000	6046	330,000
33-1077	7,500	33-1050	400,000
5838	8,000	4517	490,000
33-1042	9,000	33-1051	500,000
4412	10,000	4409	1,000,000
33-1110	12,000	7009	1,500,000
6208	15,000	5872	2,000,000
6650	20,000	33-1052	2,500,000
4516	25,000	33-1053	3,000,000
33-1078	30,000	33-1082	3,500,000
5279	32,000	6010	4,000,000
33-1044	40,000	33-1054	5,000,000
5256	45,000	33-1055	6,000,000
33-1045	50,000	33-1056	10,000,000
4518	51,000		

Dealer Net Price each, \$0.15

1 Watt

Part No.	Ohms	Part No.	Ohms
4590	1,000	33-1085	75,000
33-1057	1,500	3767	99,000
4515	2,000	33-1061	100,000
33-1058	2,500	33-1086	150,000
7831	3,000	33-1104	160,000
33-1059	3,500	33-1106	170,000
7832	4,000	5023	190,000
3526	5,000	33-1107	200,000
7833	6,000	3768	240,000
7834	7,000	33-1087	250,000
33-1083	7,500	33-1062	300,000
7835	8,000	33-1105	340,000
7501	9,000	33-1108	350,000
3524	10,000	33-1109	400,000
3766	13,000	3769	490,000
5278	15,000	33-1063	500,000
6649	20,000	4414	1,000,000
3656	25,000	33-1088	1,500,000
7836	30,000	33-1111	1,800,000
3525	32,000	33-1112	2,000,000
33-1027	39,000	33-1089	2,500,000
7837	40,000	33-1064	3,000,000
33-1060	50,000	33-1090	3,500,000
4237	51,000	33-1065	4,000,000
33-1084	60,000	33-1066	5,000,000
3542	70,000		

Dealer Net Price each, \$0.15

2 Watt

Part No.	Ohms	NET DEALER PRICE	Part No.	Ohms	NET DEALER PRICE	Part No.	Ohms	NET DEALER PRICE
3655	1,000	\$0.21	33-1024	10,000	\$0.21	33-1073	50,000	\$0.21
33-1067	2,000	.21	5718	15,000	.21	5868	51,000	.21
33-1068	3,000	.21	5649	20,000	.21	33-1074	75,000	.21
33-1069	4,000	.21	33-1072	25,000	.21	33-1075	100,000	.21
33-1070	5,000	.21	33-1026	32,000	.21	33-1076	250,000	.21
33-1071	7,500	.21						

3 Watt

Part No.	Ohms	NET DEALER PRICE
6450	13,000	\$0.24
7500	16,000	.24
33-1018	30,000	.24

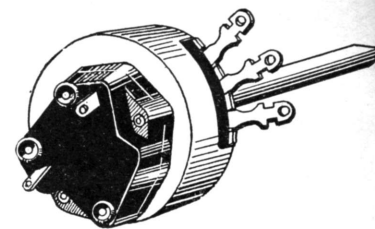
Specify whether Carbon or Metallized Resistors are wanted—
both types are available

USE PHILCO REPLACEMENT PARTS FOR REPAIRING ANY RADIO

Philco General Replacement Volume Controls

The First Line of Volume Controls with Long Flatted Shaft
Suitable for Replacement in any Set

This new line of controls includes values used in all standard radio receivers. Any value may be had either with or without switch. Finest possible material and workmanship. Resistance curves carefully worked out so control of volume is gradual from lowest to highest point. All are furnished with a $1\frac{5}{8}$ " long shaft, having flat surface its full length to permit mounting on sets of any make, regardless of the knob used. **Every size and type of knob fits the shaft.**



Type with Switch

Insulating Washers for use with Controls having Insulated Shaft:

Part No. 4092. Large Washer. Net Dealer Price . \$0.60 per hundred
Part No. 4286. Small Washer. Net Dealer Price . .60 per hundred

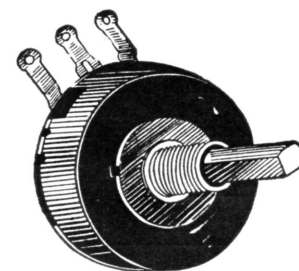
Part No. with Switch	Part No. without Switch	Resistance	Description	NET DEALER PRICE	
				Price with Switch	Price without Switch
33-5027	33-5041	2 meg.	Brass shaft $1\frac{5}{8}$ " long, not grounded. Bushing $\frac{3}{8}$ " $\frac{9}{16}$ " hex nut.	\$0.87	\$0.60
33-5028	33-5042	1 meg.			
33-5029	33-5043	500,000 ohms			
33-5030	33-5044	250,000 ohms			
33-5031	33-5045	100,000 ohms			
33-5032	33-5046	20,000 ohms	Clockwise rotation. Brass shaft $1\frac{5}{8}$ " long, grounded. Bushing $\frac{3}{8}$ " long. $\frac{9}{16}$ " hex nut	.87	.60
33-5033	33-5047	20,000 ohms			
33-5034	33-5048	12,000 ohms			
33-5035	33-5049	8,000 ohms			
33-5036	33-5050	5,000 ohms			
33-5037	33-5051	50,000 ohms	Same type as above except these two are counter-clockwise rotation . .	.87	.60
33-5038	33-5052	20,000 ohms			
33-5039	33-5053	500,000 ohms	Tapped 100,000 ohms at mid point of rotation. Brass shaft $1\frac{5}{8}$ " long, not grounded. Bushing $\frac{3}{8}$ " long. $\frac{9}{16}$ " hex nut. Clockwise rotation . .	.87	.60
33-5040	33-5054	2,000 ohms	Clockwise rotation. Tapped 25 ohms at $\frac{1}{3}$ rotation. Brass shaft $1\frac{5}{8}$ " long, not grounded. Bushing $\frac{3}{8}$ " long. $\frac{9}{16}$ " hex nut87	.60

Philco Volume Controls

Philco Standard Volume Controls are made in both the wire-wound and carbon-resistance types, in a representative range of values to meet any replacement need of the serviceman. Highest quality construction gives quiet operation and gradual control of volume.

Several dual type controls are listed in addition to the regular single types.

For information as to proper type for a certain Philco model, see tables on pages 16 and 17.



Part No.	Resistance (Ohms)	Type of Resistance	Threaded Spindle	Shaft	NET DEALER PRICE
5039	{ 210 } Dual	Wire	$\frac{1}{4}$ " Length	$\frac{21}{32}$ " Length	\$1.08
5056	{ 5,000 } Dual*	Wire	$\frac{21}{16}$ " Length	$\frac{7}{16}$ " Length	1.35
3879	{ 210 } Dual*	Wire	$\frac{9}{32}$ " Length	$\frac{13}{32}$ " Length	.60
4094	{ 250 } Dual	Wire	$\frac{1}{4}$ " Length	$\frac{9}{16}$ " Length	1.08
4056	{ 5,000 } Dual	Wire	$\frac{9}{32}$ " Length	$\frac{13}{32}$ " Length	.60
5232	{ 1,750 } Dual	Wire	$\frac{1}{4}$ " Length	$1\frac{11}{64}$ " Length	1.08
5839	{ 5,000 } Dual	Wire	$\frac{1}{4}$ " Length	$1\frac{11}{64}$ " Length	.60
5317	{ 5,000 } Dual	Wire	$\frac{1}{4}$ " Length	$\frac{45}{64}$ " Length	1.08
3076	10,000	Carbon	$\frac{9}{32}$ " Length	$\frac{9}{16}$ " Length	.84
33-5005	20,000*	Carbon	$\frac{3}{8}$ " Length	$1\frac{11}{64}$ " Length	.87
33-5017	20,000	Carbon	$\frac{3}{8}$ " Length	$\frac{7}{8}$ " Length	.60
4513	50,000	Carbon	1" Length	$\frac{3}{8}$ " Length	.60
6109	100,000**	Carbon	1" Length	$1\frac{9}{16}$ " Length	1.08
33-5006	350,000*	Carbon	$\frac{3}{8}$ " Length	$\frac{7}{8}$ " Length	.87
8054	350,000	Carbon	$\frac{3}{8}$ " Length	$\frac{3}{4}$ " Length	.90
5724	500,000	Carbon	$\frac{1}{4}$ " Length	$\frac{11}{16}$ " Length	.60
6499	1,000,000	Carbon	$\frac{9}{32}$ " Length	$\frac{3}{4}$ " Length	.60
33-5022	2,000,000*	Carbon	$\frac{3}{8}$ " Length	$\frac{5}{8}$ " Length	.87

*Equipped with single pole single throw switch.

**Equipped with double pole single throw switch.

Replacement Parts Used in All Philco Models

MODELS ↓	Volume Controls		Tone Controls		R. F. Transformers		I. F. Transformers		Osc. Transformers		Power Transformers		Input Transformers		Output Transformers		Filter Chokes		
	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	
3 (Trans.)	4463	\$1.08			1st 4401A 2d 4401B 3d 4401B 4th 3775B	\$0.60 .45 .45 .45										2706	\$1.20		
4					Det. 03734	1.20					5785	\$2.10					4819	\$1.08	
5 (Trans.)	38-5082	1.02			Ant. 03903 Det. 03902	.38 .30	1st 32-1088 2d 32-1087	.39 .39	32-1085	\$0.27	32-7030	1.35				32-7005	.84	32-7026	.75
6 (Trans.)	7525	1.08			Det. 04348	.54	1st 05970 2d 05901	.60 .51	05975	.48						2598	.84		
7 (Trans.)	6109	1.08			Det. 04509	.36	2d 04333	.81	04508	.72						2598	.84		
8 (Trans.)	7322	1.08	05366	\$0.45	Ant. 04348 Det. 04509	.54 .36	1st 04352 2d 04353	.81 .81	04508	.72			6582	\$1.29	2565	1.08			
9 (Trans.)	7525	1.08	05366	.45	Ant. 05974 Det. 05902	.36 .36	1st 05970 2d 05901	.60 .54	05975	.48			7652	1.08	327039	1.05			
10 (Trans.)	38-5280	1.02	30-4056	.45	Ant. 32-1220 Det. 32-1221	.30 .39	1st 32-1236 2d 32-1237	.84 .81	32-1222	.27	32-7098	1.44				327102	.90	32-7038	.69
12 (Trans.)	7525	1.08	05366	.45	Ant. 04348 Det. 04509	.54 .36	1st 04352 2d 04353	.81 .81	04508	.72			6582	1.29	2565	1.08			
14	8054	.90	06698	.45	Det. 32-1069 32-1070	.45 .30	1st 04319 2d 04320	.54 .54	05983	.30	6804	3.30	6064	1.35	2585	.93	4819	1.08	
15	8054 7050	.90 .60	04787	.45	1st 04981 2d 04982 Det. 3884Y	.33 .24 .60	1st 03038 2d 04979 3d 03345	.34 .53 .54	04983	.30	6672	3.51	5662	1.95	2565	1.08	3422	1.80	
16	33-5022	.87	30-4069	.45	Ant. H. F. 32-1183 B. C. Pol. 32-1182	.30 .33	1st 32-1186 2d 32-1186 3d 32-1188	.39 .39 .39	H. F. 32-1185 B. C. Pol. 32-1184	.36 .21	Code 122 32-7058 (Code 121) 32-7090	3.75 3.24	32-7057	1.65	32-7052	1.20	32-7056	1.32	
17	33-5023	.87	30-4070	.45	Ant. 32-1170 Det. 32-1171	.51 .51	1st 32-1178 2d 32-1174	.54 .45	32-1172	.54	Code 122 32-7058 (Code 121) 32-7090	3.75 3.24	32-7057	1.65	32-7052	1.20	32-7056	1.32	
18	33-5024	.87	30-4073	.45	32-1255 32-1256	.33 .33	32-1288 32-1258	.33 .33	32-1257	.36	32-7111	3.45	32-7114	1.20	32-7078	.84	32-7115	1.08	
19	33-5000	.87	30-4003	.45	Ant. 06619 Int. 06622	.33 .33	1st 06621 2d 06622	.36 .72	06620	.54	8046	2.07			2580	.75			
20	4094	1.08			1st 3884X 2d 3884P 3d 3884P	.54 .63 .63					4234	4.65	4232	1.35	2766	1.20	4231	1.08	
21	4094	1.08			1st 3884X 2d 3884P 3d 3884P	.54 .63 .63					4813	4.80	4232	1.35	2766	1.20	4819	1.08	
30	4093	.84	04787	.45	Ant. 4182A 2d 4182B 3d 4182B 4th 4182B	.45 .72 .72 .72							3242	1.65			3518	1.98	
35 (Batt.)	5317	1.08	04757	.30	Ant. 03320 Det. 03083	.54 .39	1st 03009 2d 03092	.63 .60	03321	.36			5315	1.35	2646	.96	5314	1.26	
37 (Batt.)	7239	1.08			Ant. 03726 Det. 03727	.39 .33	1st 03707 2d 05698	.72 .72	05728	.48			7233	1.08	2646	.96			
38 (Batt.)	33-5017	.60			Ant. 32-1208 3884A 3884B 3884C 3884C	.30 .54 .39 .60 .60	1st 32-1251 2d 32-1252	.63 .63	32-1209	.45			7233	1.08	2565	1.08			
40 (D.C.)	4056	.60	04787	.45	3884A 3884B 3884C 3884C	.54 .39 .60 .60							3872	1.80	2766	1.20	3422	1.80	
41 (D.C.)	4094	1.08	04787	.45	1st 3884A 2d 3884B 3d 3884C 4th 3884C	.54 .39 .60 .60							3872	1.80	2766	1.20	3422	1.80	
42 (D.C.)	4094	1.08	04787	.45	1st 3884A 2d 3884B 3d 3884C 4th 3884C	.54 .39 .60 .60							3872	1.80	2766	1.20	3422	1.80	
43	6892	.87	05174	.30	Ant. Coup. 05189 Ant. 06404	.36 .90	1st 05185 2d 05185 3d 05185	.39 .39 .39	05184	.87	7074	2.70			2580 2564H	.75 .90	5930	1.05	
44	33-5025	.87	30-4080	.30	Ant. H. F. 32-1270 32-1271 Ant. Batt.	.33 .42	1st 32-1274 2d 32-1306	.39 .54	H. F. 32-1273 Batt. 32-1272	.21 .42	32-7137	2.31			2580	.75	5930	1.05	
46 (D.C.)	4141	1.08			1st 3884X 2d 3884Y 3d 3884Y	.48 .39 .39							4862	1.50	2766	1.20			
47 (D.C.)	6499	.60	04757	.30	Ant. 04339 Det. 05093	.54 .27	1st 05094 2d 05095	.36 .36	04186	.72			6064	1.35	2550 2544H	1.05 1.05	6712 5314	.90 1.36	
48 (D.C.)	5839	.60			Ant. 05848 Det. 05849	.39 .33	1st 04887 2d 03887	.84 .90	06665	.51					2660	.75	4819	1.08	
50	5232	1.08			1st 03283 2d 03284 3d 03284	.54 .54 .54							5266	2.55			2660	.75	
51	5839	.60			Ant. 03880 Det. 03881	.54 .54	1st 03887 2d 03886	.90 .72	03882	.63	5266	2.55			2660	.75			
52	5839	.60			Ant. 03880 Det. 03881	.54 .54	1st 03887 2d 03886	.90 .72	03882	.63	5266	2.55			2660	.75			
53	33-5001	.87			32-1000	.30	32-1002	.48	32-1001	.48					32-7000	.48	32-7001	.48	
54	33-5010	.87			Ant. 32-1117	.90	1st 32-1115 2d 32-1195	.48 .54	32-1118	.72					32-7020	.48	32-7036	.54	
57	33-5011	.87			Ant. 32-1153	.36	32-1155	.72	32-1023	.63	32-7064	1.89			32-7041	.57			
60	33-5006	.87	30-4008	.30	Ant. 32-1047	.39	1st 32-1049 2d 32-1050	.36 .36	32-1048	.45	8046	2.07			32-7019	.75			
65	3528	.72			Ant. 3506B 3506A	.66 .90							3516	5.40	3537	2.49	2766	1.20	
70	5039	1.08	04757	.30	Det. 03082 03083	.45 .39	1st 03091 2d 03092	.60 .60	03084	.36	5117	3.90			2673	1.20	4819	1.08	
70 (A.V.C.)	6015	.60	03637	.30	Ant. 04339 Det. 04185	.54 .36	1st 04190 2d 03058	.30 .72	04186	.72	5117	3.90			2673	1.20	4819	1.08	
71	6499	.60	05153	.30	Ant. 04185 Det. 04185	.54 .36	1st 04190 2d 04319	.54 .54	04186	.72	6454	2.25			2580 2564H	.75 .90			
76	3879	.60			1st 3884A 2d 3884B 3d 3884C 4th 3884C	.54 .39 .60 .60					3868	5.40	3872	1.80	2766	1.20	3422	1.80	
77	4094	1.08	04787	.45	1st 3884A 2d 3884B 3d 3884C 4th 3884C	.54 .39 .60 .60					3868	5.40	3872	1.80	2766	1.20	3422	1.80	
80	33-5005	.87			Ant. 05831	.30	06100	.90	05832	.48	7421	1.80			2660	.75			
81	33-5002	.60			Ant. 32-1030	.36	06100	.90	32-1031	.54	7421	1.80			2660	.75			
86	3076	.84			Ant. 3075B 3075A	.72 .72							3271	4.80	3242	1.65	2766	1.20	
87	3076	.84			Ant. 3075B 3075A	.72 .72							3400	4.80	3242	1.65	2766	1.20	
89	8003	.87	06764	.30	Ant. 06619 Det. 06622	.33 .33	1st 06621 2d 06622	.36 .72	06620	.54	8046	2.07			2580	.75			
90 (2-45's)	5039	1.08	04787	.45	1st 03013 2d 03014 Det. 03015	.45 .30 .36	1st 03009 2d 03143	.63 .72	03016	.36	4938	4.80	4952	1.65	2766	1.20	4819	1.08	
90 (1-47)	5724	.60	04787	.45	1st 03013 2d 03014 Det. 03015	.45 .30 .36	1st 03009 2d 03143	.63 .72	03016	.36	5362	3.75			2673	1.20	4819	1.08	
90 (2-47's)	6015	.60	04787	.45	Ant. 04339 Det. 04408	.54 .36	1st 04190 2d 04320	.54 .54	04409	.48	6072	3.51	6064	1.35	2635	1.20	4819	1.08	
91	8054 7049	.90 .60	06698	.45	32-1069 Det. 32-1070	.45 .30	1st 04319 2d 04320	.54 .54	05983	.30	6554	3.12	6064	1.35	2585 2565H	.93 1.08	4819	1.08	
95	3790	.93			1st 3744A 2d 3744B 3d 3744C 4th 3744C	.90 .72 1.08 1.08					3752	5.40	3537	2.49	2766	1.20	3422	1.80	
96	4093	.84	04787	.45	1st 3744A 2d 3744B 3d 3744C 4th 3744C 5th 3775B	.90 .70 1.08 1.08 .51					3752	5.40	3537	2.49	2766	1.20	3422	1.80	
111	4093	.84	04787	.45	1st 3884S 2d 3884T Det. 3884V	.48 .33 .60	03038 03039 03040	.54 .60 .54	3884U	.45	4446	5.40	3537	2.49	2766	1.20	3422	1.80	
112 (2-45's)	4093	.84	04787	.45	1st 3884S 2d 3884T Det. 3884V	.48 .33 .60	03038 03039 03040	.54 .60 .54	3884U	.45	4446	5.40	3537	2.49	2766	1.20	3422	1.80	
112 (2-47's)	4093	.84	04787	.45	1st 3884S 2d 3884T Det. 3884V														

Replacement Parts Used in All Philco Models

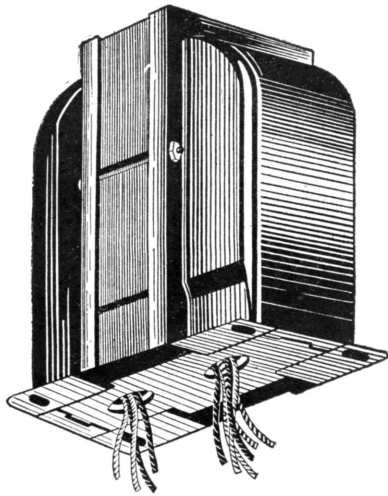
NOTE: Prices on Electrolytic Condensers, Speaker Cones and Pilot Lamps have been revised.

MODELS ↓	Field Coils		On-Off Switches		Pilot Lamps		Speaker Cones		Tuning Condensers		Filter Condensers		Electrolytic Condensers		B. C. Resistors		Dial Assemblies	
	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE	Philco Part No.	NET DEALER PRICE
3 (Trans.)	02915	\$5.40	6498	\$0.27	6608	\$0.066	02996	\$0.54	4372A	\$3.96	.....	.....	.....	.....	.....	.....	6043*	\$0.18
4	.....	.....	5796	.90	3463	.066	.....	.....	03692	2.34	.....	.....	4916	\$1.08	5783	\$0.36	03890	.36
5 (Trans.)	36-3046	1.20	Combined Volume Control	.....	6608	.066	36-3027	.30	31-1019	2.16	30-4017	\$1.08	30-4010	1.32	.....	.....	27-5006	.18
6 (Trans.)	02794	2.88	Combined Volume Control	.....	6608	.066	36-3159	.30	04308	3.78	04354	.78	.....	.....	.....	.....	6043*	.18
7 (Trans.)	02794	2.88	Combined Volume Control	.....	6608	.066	36-3159	.30	04308	3.78	.....	.....	.....	.....	.....	.....	6043*	.18
8 (Trans.)	02794	2.88	Combined Volume Control	.....	6608	.066	36-3159	.30	04308	3.78	.....	.....	.....	.....	.....	.....	6043*	.18
9 (Trans.)	02795	1.62	Combined Volume Control	.....	6608	.066	36-3159	.30	04308	3.78	04959	.54	.....	.....	.....	.....	6043*	.18
10 (Trans.)	36-3130	1.62	Combined Volume Control	.....	6608	.066	36-3159	.30	31-1083	2.70	30-2015	1.08	(30-2015 filter used in circuit)	.....	.....	.....	27-5022	.18
12 (Trans.)	02794	2.88	Combined Volume Control	.....	6608	.066	36-3159	.30	04308	3.78	04959	.54	.....	.....	.....	.....	6043*	.18
14	02803	1.62	6498	.27	6608	.066	36-3159* 02625*	.30 .48	04790	3.06	04830	.54	7464	.90	6808	.15	7997*	.12
15	02803	1.62	6438	.90	6608	.066	36-3159* 02625*	.30 .48	04941	3.96	03489	1.26	4916	1.08	6700	.15	4276*	.15
16	36-3088	4.80	Combined Volume Control	.....	6608	.066	36-3061	.54	31-1039	3.24	30-4026	2.16	(Code 122 30-2011 30-2011 Code 121 6706 7494 1.14 .90)	.....	33-3021	.12	31-1058	.72
17	36-3088	4.80	Combined Volume Control	.....	6608	.066	36-3061	.54	31-1041	2.70	30-4026	2.16	(Code 122 30-2011 30-2011 Code 121 6706 7494 1.14 .75)	.....	33-3021	.12	31-1066	.30
18	36-3104	1.62	Combined Volume Control	.....	6608	.066	36-3020	.36	31-1110	2.70	30-2029	.72	(705 1.14 30-2023 30-2023 84 .78)	.....	33-3033	.18	31-1066	.30
19	02761	1.62	Combined Volume Control	.....	6608	.066	36-3159	.30	06577	2.88	06624	.54	(30-2020 8166 .84 .78)	.....	7998	.12	06697	.33
20	2768	1.20	6498	.27	3463	.066	02996	.54	4200A	3.42	4235	2.70	.....	.....	4230	.60	4209B	.30
21	2768	1.20	6498	.27	3463	.066	02996	.54	4200A	3.42	.....	.....	4818	1.50	4824	.51	4209B	.30
30	.....	.....	6498	.27	5316	.21	2764A	.30	4000G	7.20	.....	.....	.....	.....	3864	.45	03031	.45
35 (Batt.)	.....	.....	5318	.72	5316	.21	02887	.48	03076	3.60	.....	.....	.....	.....	.....	.....	03031	.45
37 (Batt.)	.....	.....	7283	.90	5316	.21	02887	.48	05740	3.06	03915	.78	.....	.....	.....	.....	05811	.24
38 (Batt.)	.....	.....	42-1040	.39	5316	.21	36-3014	.36	31-1076	1.62	03915	.78	.....	.....	.....	.....	31-1084	.21
40 (D.C.)	2799	1.62	6498	.27	3463	.066	36-3170	.42	0409E	7.20	4067	3.96	.....	.....	4057	.57	3794*	.12
41 (D.C.)	2799	1.62	3517	.42	3463	.066	36-3170	.42	0409E	7.20	4067	3.96	.....	.....	4057	.57	3794*	.12
42 (D.C.)	2799	1.62	3517	.42	3463	.066	36-3170	.42	0409E	7.20	4067	3.96	.....	.....	4057	.57	3794*	.12
43	02761 02767	1.62 1.62	Combined Volume Control	.....	6608	.066	36-3159	.30	05154	2.88	05239	.72	4916	1.08	6451 6432	.18 .12	05418	.39
44	02767	1.62	Combined Volume Control	.....	6608	.066	02625	.48	31-1106	3.18	30-2028	1.44	30-2020	.84	33-3037	.12	31-1107	.66
46 (D.C.)	2694	.72	6498	.27	3463	.066	02996	.54	4200D	3.60	4860	3.06	.....	.....	4858A	.54	4209B	.30
47 (D.C.)	02745 02744	2.35 1.62	Combined Volume Control	.....	6608	.066	36-3159	.30	05098	3.06	05003	2.52	.....	.....	6716	.12	05992	.27
48 (D.C.)	02671	1.35	Combined Volume Control	.....	6608	.066	02861	.45	05885	2.88	05569	.72	.....	.....	7852	.15	05811	.24
50	02942	1.35	5382	.27	3463	.066	02861* 02857*	.45 .48	03293	3.24	03459	.90	4916	1.08	.....	.....	03322	.30
51	02942	1.35	5382	.27	3463	.066	02861* 02857*	.45 .48	03809	3.24	03915	.78	4916	1.08	.....	.....	04031	.27
52	02942	1.35	5382	.27	3463	.066	02861	.45	03809	3.24	03915	.78	4916	1.08	.....	.....	05811	.24
53	.....	.....	Combined Volume Control	.....	.....	.....	36-3000	.27	31-1000	1.26	30-4000	.72	(30-2000 30-2001 .83 .81)	.....	.....	.....	28-1021*	.03
54	36-3040	1.20	Combined Volume Control	.....	6608	.066	36-3029	.45	31-1027	1.26	30-4023	.72	30-2002 30-2001 .84 .81	.....	33-3012	.18	.....	.....
57	36-3081	1.05	Combined Volume Control	.....	.....	.....	36-3029	.45	31-1049	1.26	30-2004	1.32	(30-2004 used in filter circuit)	1.32	.....	.....	.....	.....
60	36-3037	1.08	Combined Volume Control	.....	6608	.066	36-3014	.36	31-1006	1.41	30-4013	.48	7558	.96	7998	.12	31-1090	.21
65	2850	2.70	6498	.27	3463	.066	36-3170	.42	3480B	6.48	3515	6.21	.....	.....	3512	.90	3398*	.06
70	02987	1.62	6498	.27	3463	.066	02996	.54	03076	3.60	.....	.....	4916	1.08	5125	.45	03031	.45
70 (A.V.C.)	02987	1.62	6498	.27	3463	.066	02996	.54	04164	3.60	(0459 3615L .72 .21)	.....	4916	1.08	6008	.30	03031	.45
71	02761 02767	1.62 1.62	6498	.27	6608	.066	36-3159	.30	04733	3.06	05324	.72	6453 4916 6706	1.11 1.08 1.14	6451 6432	.18 .12	05992	.27
76	2850	2.70	6498	.27	3463	.066	36-3170	.42	3376E	7.20	3870	4.50	.....	.....	3865	.72	3794*	.12
77	2850	2.70	6498	.27	3463	.066	36-3170	.42	4000B	7.20	3870	4.50	.....	.....	3865	.72	4118*	.24
80	02667	1.41	Combined Volume Control	.....	6608	.066	02861	.45	05794	1.80	.....	.....	(6707 7467 1.14 .72)	.....	7465	.09	05828	.15
81	02667	1.41	Combined Volume Control	.....	6608	.066	02861	.45	31-1006	1.41	.....	.....	(6707 7467 1.14 .72)	.....	7465	.09	05828	.15
86	2850	2.70	3253	.27	6608	.066	2898A	1.80	3001B	9.72	3246	10.20	.....	.....	3232	1.17	3047*	.06
87	2850	2.70	3501	.33	3463	.066	36-3170	.42	3001B	9.72	3401	8.40	.....	.....	3399	.90	3398*	.06
89	02761	1.62	Combined Volume Control	.....	6608	.066	36-3159	.30	06577	2.88	06624	.54	(30-2020 8166 .84 .78)	.....	7998	.12	7882*	.09
90 (2-45's)	02987 02988	1.62 3.60	6498	.27	3463	.066	36-3170* 02996*	.42 .54	03001	4.50	.....	.....	4916	1.08	4953	.42	03031	.45
90 (1-47)	02987 02988	1.62 3.60	6498	.27	3463	.066	36-3170* 02996*	.42 .54	03001	4.50	.....	.....	4916	1.08	5365	.30	03031	.45
90 (2-47's)	02987 02988	1.62 3.60	6498	.27	3463	.066	36-3170* 02996*	.42 .54	04309	3.60	04407	.72	4916	1.08	6702	.30	03031	.45
91	02803	1.62	6498	.27	6608	.066	36-3159* 02625*	.30 .48	04790	3.06	04830	.54	4916 6706 6707	1.08 1.14 1.14	6702 6808	.30 .15	05992	.27
95	2850	2.70	6498	.27	3463	.066	36-3170	.42	3376D	7.20	3754	4.50	.....	.....	3762	.69	3794*	.12
96	2850	2.70	6498	.27	3463	.066	36-3170	.42	4000D	5.40	3754	4.50	.....	.....	3762	.69	4118*	.24
111	2850	2.70	6498	.27	3463	.066	36-3170	.42	4000D	5.40	3754	4.50	.....	.....	4532	.30	4276*	.15
112 (2-45's)	02988	3.60	6498	.27	3463	.066	36-3170	.42	4000D	5.40	3754	4.50	.....	.....	(4532 3763 .30 .21)	.....	4276*	.15
112 (2-47's)	02988	3.60	6498	.27	3463	.066	36-3170	.42	4000D	5.40	03489	1.26	4916	1.08	3764	.15	4276*	.15
470	02987	1.62	6498	.27	3463	.066	02996	.54	03076	3.60	.....	.....	4916	1.08	5125	.45	03031 03890	.45 .36
490	02987	1.62	6498	.27	3463	.066	02996	.54	03001	4.50	03327	.72	4916	1.08	5365	.30	03031 03890	.45 .36
511	.....	.....	3117	.45	6608	.066	2936A	.54	3001B	9.72	2406	6.00	.....	.....	3088W	1.20	3047*	.06

*Small Speaker Cone. *Large Speaker Cone. *Used in Twin Speaker Models. *Dial Scales Only.

Philco Power Transformers

Universal Mounting — for General Replacement in Any Make Receiver



Philco offers a very complete line of power transformers to meet any replacement need of the serviceman, and for all types of experimental work. Note that a transformer is available for every combination of tubes used in any set.

These transformers are of extremely rugged construction. Built to withstand continuous operation. Unaffected by climate; rigid construction eliminates hum.

The mounting used is strictly universal. For sets with wiring underneath chassis, the leads are run down through holes in chassis. With each transformer, four special mounting sleeves are furnished to facilitate mounting in sets wired on top of the chassis. These sleeves raise the transformer so the leads can easily be drawn out for connecting.

Transformers listed below are for operation on 100 to 125 volts, 50-60 cycles current. Similar transformers for operation on 25-40 cycles or for 220 volts 50-60 cycles are available at slightly higher prices. Each transformer comes packed in a box with instructions and color code explanation.

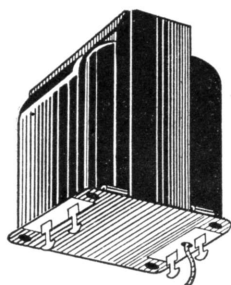
Part No.	No. of Tubes in Set	Suggested Types of Tubes	Secondary Voltages	NET DEALER PRICE
5785	3	1-24, 1-27, 1-80	340, 2.5, 5.0	\$2.10
32-7064	4	2-77, 1-42, 1-80	580, 6.3, 5.0	1.89
7421		2-77, 1-42, 1-80	630, 6.3, 5.0	1.80
5266	5	3-24, 1-47, 1-80	750, 2.5, 5.0	2.55
8046		1-6A7, 1-78, 1-75, 1-42, 1-80	680, 6.3, 5.0	2.07
8046	6	2-44, 1-36, 1-75, 1-42, 1-80	680, 6.3, 5.0	2.07
3516		2-24, 1-27, 2-45, 1-80	750, 2.5, 2.68, 5.0	5.40
32-7137		1-6A7, 2-78, 1-75, 1-42, 1-80	680, 6.3, 5.0	2.31
3073	7	4-26, 1-27, 1-71A, 1-80	375, 1.55, 2.47, 4.85, 4.80	4.65
4234		3-24, 1-27, 2-71A, 1-80	700, 2.5, 5.0, 5.0	4.65
3868		3-24, 1-27, 2-45, 1-80	750, 2.67, 2.68, 5.0	5.40
3752		4-24, 1-27, 1-45, 1-80	750, 2.67, 2.68, 5.0	5.40
4813		3-24, 1-27, 2-45, 1-80	700, 2.5, 2.5, 5.0	4.80
5117		4-24, 1-27, 1-47, 1-80	665, 2.5, 2.5, 5.0	3.90
6454		3-44, 1-36, 1-37, 1-42, 1-80	685, 6.3, 5.0	2.25
6457	3-44, 1-36, 1-37, 1-42, 1-80	740, 6.3, 5.0	3.00	
3271	8	4-26, 1-27, 2-71A, 1-80	575, 1.5, 2.47, 5.0, 4.8	4.80
3400		4-26, 1-27, 2-45, 1-80	750, 1.55, 2.5, 2.68, 5.0	4.80
7074		2-37, 1-36, 3-44, 1-42, 1-80	685, 6.3, 5.0	2.70
32-7111		1-6A7, 2-78, 1-75, 3-42, 1-80	760, 6.3, 5.0	3.45
4938	9	4-24, 2-27, 2-45, 1-80	750, 2.5, 2.5, 5.0	4.80
5362		3-24, 4-27, 1-47, 1-80	630, 2.5, 2.5, 5.0	3.75
6072		2-35, 1-24, 3-27, 2-47, 1-80	660, 2.55, 2.5, 5.0	3.51
6804		2-44, 1-36, 3-37, 2-42, 1-80	700, 6.3, 5.0	3.30
6554	10	3-44, 1-36, 3-37, 2-42, 1-80	670, 6.3, 5.0	3.12
4446	11	4-24, 4-27, 2-45, 1-80	750, 2.67, 2.68, 5.0	5.40
5594		4-24, 4-27, 2-47, 1-80	660, 2.67, 2.68, 5.0	4.20
6672		4-44, 4-37, 2-42, 1-80	720, 6.3, 5.0	3.51
32-7080		1-6A7, 3-78, 2-37, 1-77, 3-42, 1-80	720, 6.3, 5.0	3.24
32-7058		1-6A7, 3-78, 2-37, 1-77, 3-42, 1-80	800, 6.3, 5.0	3.75
32-7030		Special for Auto-Radio (Vibrator) Sets	180	1.35

USE PHILCO REPLACEMENT PARTS FOR REPAIRING ANY RADIO

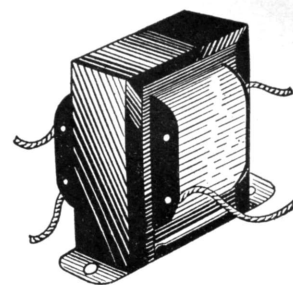
Philco Audio Transformers

For Replacement Use in Any Make Radio

For All Service and Experimental Work



Philco Audio Transformers are suitable for all makes of radio and for general service and experimental work. They are constructed of the finest materials, and are all listed at very low prices. Special vacuum impregnating treatment assures permanent trouble-free operation. The large cores afford highly efficient response at all audio frequencies. Many of the transformers listed below are shielded in heavy metal housings, finished in black enamel.



Input Transformers

Part No.	For Coupling Between Tubes	Overall Turns Ratio	NET DEALER PRICE
6064	27 and 45, 47, 42 or 71-A	1 to 1†	\$1.35
5662*		1 to 1†	1.95
3872		1 to 2†	1.80
4952		1 to 3†	1.65
4232		1 to 4†	1.35
3537*		1 to 4†	2.49
6064	27 and p.p. 45, 47, 42 or 71-A	1 to 1	\$1.35
5662*		1 to 1	1.95
3872		1 to 2	1.80
4952		1 to 3	1.65
4232		1 to 4	1.35
3537*		1 to 4	2.49
3242	27 and 26† or 26 and p.p. 45, 71-A, 31, 50	1 to 4	\$1.65
5315	30 and 33	1 to 4	\$1.35
4862	27 and p.p. 71-A	1 to 2.2	\$1.50
6582	38 and p.p. 41	1 to 4	\$1.29

Class "B" Input Transformers

7652	37 Driver & 79	1 to 1.2	\$1.08
7233	30 Driver and Single 19	1 to 1.2	\$1.08

Super Class "A" Input Transformers

32-7114	42 1st A. F. Driver and p.p. 42	1 to 1	\$1.20
32-7057	42 Driver and p.p. 42	1 to 1	\$1.65

*Extra large core.

†Transformer center tap not used.

Output Transformers

Part No.	For Use With Output Tubes	Turns Ratio	For Voice Coil Impedance in Ohms	NET DEALER PRICE
2673	Single 47 or 42	90 to 1	.65	\$1.20
2660		87 to 1	1.0	.75
2580		76 to 1	1.25	.75
2564		53 to 1	2.50	.90
2526		27 to 1	10.00	1.50
2565‡		Single 19	160 to 1	.60	$1.08
2635	Push-Pull 47's or 42's	135 to 1	.65	\$1.20
2585		100 to 1	1.25	.93
2525		38 to 1	10.00	1.68
32-7078		68 to 1	1.25	.84
2706	Single 45 or 71-A	70 to 1	.65	\$1.20
2524		20 to 1	10.00	1.50
2848	Push-Pull 45's, 71-A's or 50's	80 to 1	.65	\$1.20
2766		100 to 1	.65	1.20
2515‡	Single 79	80 to 1	1.25	\$1.05
2646	Single 33	92 to 1	.65	\$0.96
2598	Single 41	93 to 1	1.25	\$0.84
32-7020	Single 43	67 to 1	1.00	\$0.48
32-7000		58 to 1	1.35	.48

Super Class "A" Output Transformer

32-7052	Push-Pull 47's or 42's	50 to 1	2.25	\$1.20
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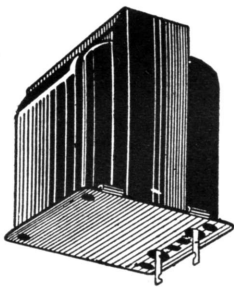
‡Class "B" output transformers.

Philco "Step-Down" Transformers

Used for reducing the voltage of a 25-cycle 220-volt A.C. line to 110 volts so that a 110-volt 25-cycle A.C. receiver may be used.

Part No. 5563	Step-down Transformer, 25 cycles, 230 to 115V, 65-watt	\$5.10
Part No. 5716	Step down Transformer, 25 cycles, 250 to 125V, 150-watt	6.90

PHILCO REPLACEMENT PARTS FIT ANY AUTO-RADIO



Philco Chokes and Field Coils

For General Replacement Use

Philco Audio and Filter Chokes are made with the same care and precision as Philco Audio Transformers. All windings are especially impregnated with the finest insulating materials. Corrosion is eliminated, even in the most humid climates.

Philco Filter Chokes

Part No.	Inductance in Henries	@ Milliamperes	D. C. Resistance in Ohms	NET DEALER PRICE
4819	4.0	130	150	\$1.08
5643*	4.0	130	150	1.08
32-7036	4.0	60	185	.54
32-7056	4.75	150	80	1.32
32-7115	5.25	125	170	1.08
3422*	6.5	150	200	1.80
32-7026	7.0	50	150	.75
4819	7.5	130	285	1.08
Z-224	7.5 Each of Two Sections	100	285 Each	2.55
4231	11.0	80	400	1.08
3269*	12.5	80	400	2.55
32-7213	17.0	60	400	.96
3472*	25.0	50	1350	2.55
5930	100.0	10	2100	1.05
3518*	150.0	10	4000	1.98
5314	150.0	2	4600	1.26

*Shielded Case

Philco Audio Chokes

Part No. 3078—Audio Choke for use in plate circuit of a 71-A or 45-tube. D. C. resistance 285 ohms. Shielded case. **Net Dealer Price \$1.80**

Part No. 4485—Audio Choke for use in plate circuit of a 71-A or 45-tube. D. C. resistance 400 ohms. **Net Dealer Price \$1.08**

Part No. 5930—Audio Choke for use in plate circuit of a 38 or 31-tube. D. C. resistance 2100 ohms. **Net Dealer Price \$1.05**

Philco General Replacement Field Coils

The field coils listed below are suitable for use in any receivers *other than Philco*, where the requirements of the set call for a coil of characteristics and dimensions as listed.

These coils cannot be used as replacements in Philco sets since practically all Philco field coils are fitted into the complete "pot" assembly at our factory with machinery and tools not available to the serviceman. Note the very complete range of values and sizes.

Part No.	Resist. (Ohms)	Length	External Diameter	Internal Diameter	NET DEALER PRICE
2593	4.2	1 ³ / ₃₂ "	2 ³ / ₁₆ "	1"	\$0.78
32-9013	6	1 ²¹ / ₆₄ "	2 ³ / ₁₆ "	3/4"	.60
2535	16	1 ³⁵ / ₃₂ "	2 ³ / ₁₆ "	1"	.78
32-9035	24	1 ²¹ / ₆₄ "	2 ³ / ₁₆ "	3/4"	.69
32-9051	44	1 ³⁵ / ₃₂ "	2"	3/4"	.66
32-9038	50	1 ²¹ / ₆₄ "	2 ³ / ₁₆ "	3/4"	.72
2527	50	2 ¹ / ₈ "	1 ³ / ₄ "	3/4"	.60
2546	70	1 ²⁵ / ₈ "	2 ³ / ₁₆ "	1"	.75
2557	435	1 ³⁵ / ₃₂ "	2 ⁵ / ₁₆ "	1"	.81

Philco Speaker Field Coils

These coils are suitable for replacement either in Philco receivers or any other sets where a field coil of these specifications is required. Vacuum impregnated and moisture proof. External covering for mechanical and electrical protection.

Part No.	D. C. Resistance (Ohms)	Length	External Diameter	Internal Diameter	NET DEALER PRICE
2799	2.7	2 ²⁷ / ₃₂ "	2 ⁹ / ₁₆ "	1 ¹⁷ / ₆₄ "	\$1.62
2707	4.0	2 ³ / ₁₆ "	3 ³ / ₁₆ "	1 ¹ / ₄ "	2.88
2694	80	2 ³ / ₁₆ "	2"	1 ¹ / ₈ "	.72
2674	1180	2"	1 ³ / ₄ "	3/4"	.72
2768	3100	2 ³ / ₁₆ "	1 ²⁵ / ₃₂ "	1 ¹ / ₈ "	1.20
2850	3200	2 ⁷ / ₈ "	2 ¹⁵ / ₁₆ "	1 ¹ / ₄ "	2.70
2588	3275	1 ²³ / ₃₂ "	2 ³ / ₃₂ "	1"	1.20

Part No.	Resist. (Ohms)	Length	External Diameter	Internal Diameter	NET DEALER PRICE
2562	1125	1 ²⁵ / ₃₂ "	2 ³ / ₁₆ "	1"	\$1.11
32-9008	1140	1 ¹ / ₄ "	2 ³ / ₁₆ "	3/4"	.90
32-9019	1140	1 ²⁵ / ₃₂ "	2"	3/4"	.75
32-9046	1140	1 ¹ / ₄ "	2 ³ / ₁₆ "	1"	.81
32-9055	1140	2 ³ / ₁₆ "	3 ³ / ₄ "	1 ¹ / ₂ "	1.98
32-9024	1450	2 ³ / ₁₆ "	3 ³ / ₄ "	1 ¹ / ₂ "	1.86
2545	2200	1 ²⁵ / ₃₂ "	2 ³ / ₁₆ "	1"	.96
32-9007	2600	1 ³⁵ / ₃₂ "	2"	3/4"	.75
32-9026	6500	2 ³ / ₁₆ "	3 ³ / ₄ "	1 ¹ / ₂ "	3.81

Standard Replacement Field Coils

The field coils listed below can be used in all standard models of Magnavox, Rola, Utah and Jensen speakers, or any other makes of speakers having cores 1" in diameter. From this list you may select a suitable replacement field coil for any of the recent compact receivers. Dimensions: Length 1 ¹/₂", Inside Diameter 1", Outside Diameter (approx.) 2 ¹/₂".

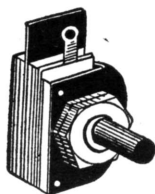
Part No.	Resistance (Ohms)	NET DEALER PRICE
32-9076	6	\$1.11
32-9077	650	1.14
32-9078	1000	1.17

Part No.	Resistance (Ohms)	NET DEALER PRICE
32-9079	2000	\$1.47
32-9080	2500	1.32
32-9081	5000	1.62
32-9082	7500	1.80

USE PHILCO REPLACEMENT PARTS FOR REPAIRING ANY RADIO

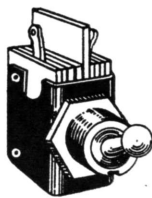
Philco Switches, Sockets, Knobs, Pilot Lamps

Philco On-Off Switches



Rotary

Philco on-off switches are furnished for panel and chassis mounting and are available in both rotary and toggle type. The necessary mounting and lock nuts are provided. Will carry current up to 3



Toggle

amperes.

Part No.	Description	NET DEALER PRICE
6498	Single Pole, Single Throw, Rotary	\$0.27
3253	Single Pole, Single Throw, Toggle	.27
3675	Single Pole, Double Throw, Rotary	.36
3116	Single Pole, Double Throw, Toggle	.36
6780	Four Pole, Single Throw, Rotary	.90
4705	Double Pole, Single Throw, Rotary	.72
8170	Double Pole, Double Throw, Rotary	.60
8171*	Double Pole, Double Throw, Rotary	1.80

*2-Position and OFF.



Philco Hum Control Potentiometers

Wire-wound hum controls for use on A.C. filament circuits. Applicable wherever hum controls or rheostats are needed.

Part No.	Resistance	NET DEALER PRICE
3096	6 Ohms	\$0.36
3086	20 Ohms	.42
5650	40 Ohms	.42

Philco Knobs

Four popular types of knobs are described and listed below. These will cover practically any of the serviceman's requirements. Hole for standard $\frac{3}{8}$ " shaft. Built-in bronze spring holds knob firmly in place.

Part No.	Description	NET DEALER PRICE
03063	Brown bakelite knob, $1\frac{1}{8}$ " wide	\$0.06
03334	Black bakelite knob, 1" wide	.06
03064	Brown bakelite knob, 1" wide	.06
03437	Brown bakelite knob, tapered, $\frac{3}{4}$ " wide at bottom	.03
27-4051	Black modernistic knob, large	.06
27-4052	Black modernistic knob, small	.06
06923	Ivory knob, small	.12
27-4032	Ivory knob, large	.15

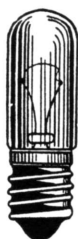


Resistor

Philco Auto Radio

Interference Suppression Parts

Part No.	Description	NET DEALER PRICE
4531	Spark Plug Resistor	\$0.24
4546	Distributor Head Resistor	.24
4851	Special Screw-Type Resistor (for Buicks, etc.)	.24
30-4015	Interference Condenser (0.5 Mfd.)	.30
4522	Interference Condenser (1.0 Mfd.)	.45
L-1383	Shielded Antenna Lead-In	.06 per ft.
L-1387	High-Tension Shield (18-inch Length)	.18



Philco Pilot Lamps

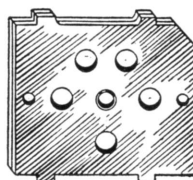
Conservative voltage ratings insure long life. These pilot lamps are all furnished with standard miniature bases.

Part No.	Voltage Rating	NET DEALER PRICE
6608	6.0-6.3 Volts	\$0.054
3463	2.7 Volts	.054
5316*	2.0 Volts	.14

*Special for battery sets—draws only 60 M. A. filament current.

Philco Tube Sockets

Tube sockets with special retaining spring contacts; perfect connection at all times. Complete with mounting rivets.



Part No.	Number of Terminals	NET DEALER PRICE
4955	4	\$0.06
4956	5	.07
6417	6	.07
27-6005	7	.07

Philco Drive Cable for Tuning Condensers

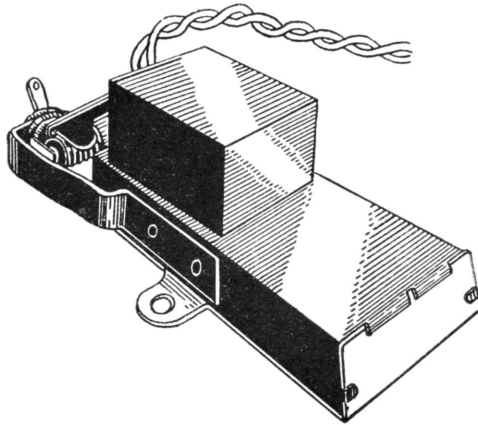
Part No. 3484.—Flexible Metal Cable
 Net Dealer Price . . . \$0.10 per ft.
 Part No. 4020.—Heavy Black Cord, impregnated.
 Net Dealer Price . . . \$0.03 per ft.



Condenser

PHILCO REPLACEMENT PARTS FIT ANY AUTO-RADIO

Philco Shadowmeters



The **Philco Shadowmeter** can be attached to almost any receiver and gives an accurate visual tuning indicator which enables perfect tuning on all stations. These types are used on the finest Philco receivers. Part No. 6497 is to be used where the automatic volume control tubes draw 10.5 MA.; Part No. 45-2028 where they draw 8.0 MA. Both are equipped with 6.3-volt pilot lamp fitted into a special clip-type receptacle.

Shadowmeter is readily mounted by means of two screws and connected by means of four leads—two for the meter and two for the pilot lamp.

The live serviceman can make a nice profit by installing these on customers' sets which do not have this feature—a novel and eye-catching device which is really useful and helpful in tuning.

NET DEALER
PRICE

Part No. 6497 (for replacement on most Philco sets)	\$1.50
Part No. 45-2028 (for Philco Models 16 and 17)	1.50

Philco Transitone (Auto-Radio) Replacement Parts Assortments

These "kits" or parts assortments consist of units which experience has proved are most likely to be useful for service and replacement work. They are ideal assortments for the installation station or auto-radio serviceman, and will save him many hours time in ordering or sending out for parts. To have these kits will mean quicker service and more satisfied customers.

The first kit is a general kit, covering all Philco models; the other kits are prepared each for a definite Philco model.

NET DEALER
PRICE

Part No. 45-1066, Philco Transitone General Parts Kit	\$167.03
Part No. 45-1060, Philco Transitone Model 3 Parts Kit	20.82
Part No. 45-1061, Philco Transitone Model 5 Parts Kit	33.89
Part No. 45-1062, Philco Transitone Model 6 Parts Kit	37.30
Part No. 45-1065, Philco Transitone Models 7, 8, 12 Parts Kit	39.71
Part No. 45-1063, Philco Transitone Model 9 Parts Kit	39.90
Part No. 45-1064, Philco Transitone Model 10 Parts Kit	33.81

Philco Replacement Vibrator for Auto-Radio

Can be used universally as a replacement unit for "B" batteries, motor-generator or other "B" battery eliminators.

Model EG. Equipped with Relay. Net Dealer Price . . . **\$10.50**

Philco Circuit Tester

Model 025

**A. C. Volts—D. C. Volts—Milliamperes—
Amperes—Ohms—Output Meter—
Capacity Meter**

The latest addition to Philco's line of testing equipment—an accurate, compact tester for all types of radio sets. Affords simple and quick tests by means of resistance, voltage and current methods.

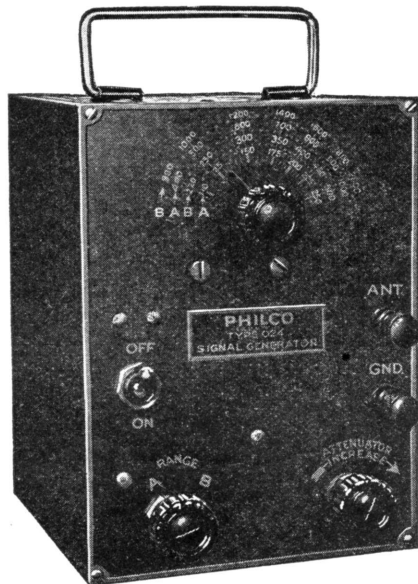
Modern radio test methods require a unit of this kind for speed, simplicity and accuracy. The many different applications of the meter and the convenient rotary control switch make this instrument unusually valuable to the serviceman, both for outside and shop service work.

Serviceman's Net Price \$36.60



Philco Model 025

5 A.C. Voltage Ranges: 0-10 volts; 0-30 volts; 0-100 volts; 0-300 volts; 0-1000 volts. 5 D.C. Voltage Ranges: Same as A.C. Ranges listed above. 5 Output Meter Voltage Ranges: Same as A.C. Ranges listed above. 3 Millimeter Ranges: 0-1 Mil.; 0-10 mils.; 0-100 mils. Special 10 ampere shunt available for automobile radio current tests. 3 Ohmmeter Ranges: 0-1 1/2 megohms; 0-15000 ohms; 0-150 ohms. Meter adaptable for capacity tests. Rotary Switch controls all meter ranges and connections. All necessary Leads, Adaptors and Batteries furnished complete.



Philco 024 Signal Generator

A compact, smoothly operating and beautifully finished instrument. Frequency-range scales and designations of controls are etched in brass lettering on black panel. Top, sides and back have special black "crackle" finish. Brass handle provides easy portability. Ball-bearing tuning condenser provides extremely fine adjustment. Shielded antenna lead with Universal clip included for connection to receiver. The "A" battery is held in place by a special spring cap, removable without tools. Entire instrument mounted on special felt feet. At the price quoted, no serviceman can afford to be without one.

Philco Signal Generator Model 024

Intermediate and Broadcast Frequencies

The Model 024 Philco Signal Generator is a complete, self-contained, accurately calibrated instrument, designed to cover all frequencies from 105 K.C. to 2000 K.C. All necessary batteries and tubes are included within the container. No external connections of any kind required.

Modern Superheterodynes cannot be adjusted properly without a high-grade signal generator, but many servicemen have been unable to pay the high prices previously asked for quality equipment. The Philco Model 024 now makes it possible for every serviceman to own a high quality Signal Generator at a figure about equivalent to the sum collected on his first six *Radio Manufacturers Service* jobs.

**Model 024 Signal Generator
Complete with Batteries and Tube**

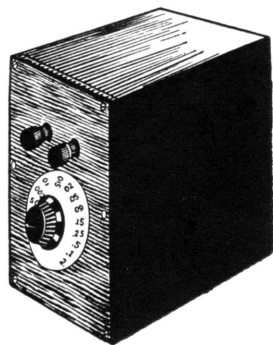
Serviceman's Net Price \$13.50

PHILCO REPLACEMENT PARTS FIT ANY AUTO-RADIO

Philco Testing Equipment and Tools

Philco Condenser Test Box

Model 093

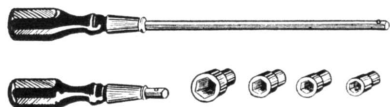


A convenient switch box designed for use in testing by-pass condensers in all receivers by substitution method. Contains 15 different fixed condensers, which can quickly be connected through a multi-polar switch to obtain desired capacities from .00025 mfd. to 2 mfd. Two binding posts on the box

provide the necessary connections for external test leads. Mahogany box in brown mahogany finish.

Net Dealer Price \$8.64

Philco Wrench Kit



A kit of four sockets and two handles, long and short, for hex head nuts, screws and

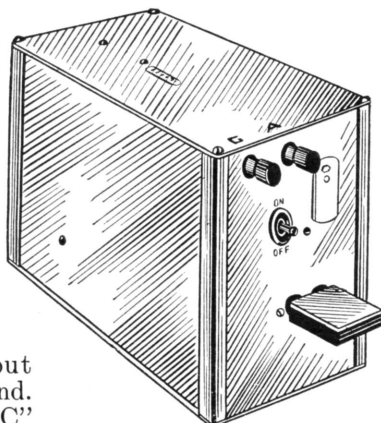
bolts. Specially hardened steel of the highest grade. Kit contains the following parts: 1 handle (long); 1 handle (short); one socket, $\frac{1}{4}$ " ; one socket, $\frac{5}{16}$ " ; one socket, $\frac{3}{8}$ " ; one socket, $\frac{7}{16}$ " .

- Part No. 7016—Wrench Kit Complete—Net Dealer Price . . . \$1.65
- Part No. 7019— $\frac{1}{4}$ " socket only—Net Dealer Price12
- Part No. 7020— $\frac{5}{16}$ " socket only—Net Dealer Price12
- Part No. 7021— $\frac{3}{8}$ " socket only—Net Dealer Price12
- Part No. 7022— $\frac{7}{16}$ " socket only—Net Dealer Price12

Philco Short-Wave Signal Generator

Model 091

A crystal controlled signal generator for the adjustment of short wave converters or receivers. Furnishes a constant and accurate 3600 KC modulated signal, the harmonics of which can be used for adjusting throughout the short-wave band. Uses a $4\frac{1}{2}$ -volt "C" battery and a 45-volt "B" battery, both contained in the case.



Net Dealer Price, complete with 3600 KC crystal, batteries and two Type 30 tubes \$36.00

Philco Special Adjusting Tools

For Adjusting Padding Condensers



Part No. 3164. Fibre Wrench for hex head adjusting screws. 8" long. Net Dealer Price. \$0.12



Part No. 27-7059. Insulated Screw-driver. Fibre shank, 7" long, $\frac{1}{8}$ " steel blade. Net Dealer Price \$0.36

Philco Tube Shields

Same as used in all Philco sets. Keep a stock on hand to replace lost shields.

- Part No. 8005. Fits over base \$0.06
- Part No. 28-1107. Fits inside base04

Philco Standard Fuses

Regular tubular glass fuses for clip mounting, as used in Philco Transitone sets, also 32-volt models and some 220-volt models; or for any general use where a standard fuse is needed.

Part No.	Capacity	NET DEALER PRICE
4540	1 ampere	\$0.03
45-2046	3 amperes	.036
7331	8 "	.024
5676	10 "	.03
7227	17 "	.07

Philco Shadow Output Meter

Model 012

An essential output indicator for adjusting receivers



Something new for the serviceman—an inexpensive output meter with the accuracy and convenience of Philco shadow tuning. Connects to the output tube of any radio set. Affords an accurate indication of output volume when adjusting

compensating condensers. Maximum shadow width indicates maximum signal—strong signal produces a wide shadow and weak signal a narrow shadow. Width of shadow is directly proportional to signal strength, thus permitting accurate adjustment of radio by means of shadow indication. Can be connected to plate and cathode prongs of output tube or across two plates of push-pull output using clips and leads provided. Makes an ideal output meter for use with the Philco 024 or other signal generator.

Serviceman's Net Price \$7.50

THE PHILCO MODEL 059 UNIVERSAL TEST CABINET

**BUILT-IN POWER SPEAKER WITH EXCITER
ELIMINATES BRINGING IN THE CUSTOMER'S SPEAKER
ABSOLUTELY UNIVERSAL—TESTS ANY RADIO**

Designed especially for members of Radio Manufacturers Service, this De Luxe Complete Testing Cabinet presents an unusually rich appearance, commanding immediate interest and respect by the customer and public. In addition to being in the most convenient and economical form for high-speed testing, its appearance alone will add prestige to your place of business. Precision-built, and housed in an artistic cabinet, it is bound to return ample dividends on your investment.



SPECIFICATIONS OF MODEL 059

Auditorium speaker capable of handling up to 15 watts, or the full output from the most powerful modern receivers. Speaker may be operated from sets having either single or push-pull output tubes. Field exciter, including type 80 tube, built into the tester. Four dummy fields built in for connecting in place of speaker on set being tested. Output meter on panel can be immediately connected to set by turning the switch at the top of the cabinet.

Complete facilities for every necessary test to a receiver are provided in the "All-Purpose" tester, which is built into the Universal Test Cabinet.

Dimensions: Height, 27 $\frac{3}{4}$ in.; width, 18 in.; depth, 9 in. Weight (with batteries), 62 lbs.

Everything a Well-Equipped Service Department Needs:

**Built-in 15-watt Speaker, for radio chassis test.
Universal Speaker Plug and Socket, with necessary Cables.**

**Signal Generator, variable 105 to 2000 K. C.
Visual and Audible Output Indicators.**

5 A. C. Voltage Ranges.

5 D. C. Voltage Ranges.

3 D. C. Milliammeter Ranges.

3 Ohmmeter Ranges.

5 A. C. Output Meter Ranges.

Capacity Meter.

Tube Tester.

Necessary Tubes and Batteries included.

**All Necessary Connecting Leads, Test Prods
and Adapters included.**

No longer necessary to have many types of extra speakers available to test chassis. The built-in speaker in the Model 059 automatically eliminates this expense and bother. Strictly Universal Speaker Plug and Socket.

Cuts your trouble in half. Now you can remove only the chassis on service calls.

TESTS A. C. SETS, BATTERY SETS, AUTO SETS

**COMPLETE . . . CONVENIENT
ATTRACTIVE . . . EFFICIENT
SERVICEMAN'S Net Price Complete**

\$90⁰⁰

Philco Headphones, Radio Outlets, Plugs and Jacks

Philco Headphone Kit

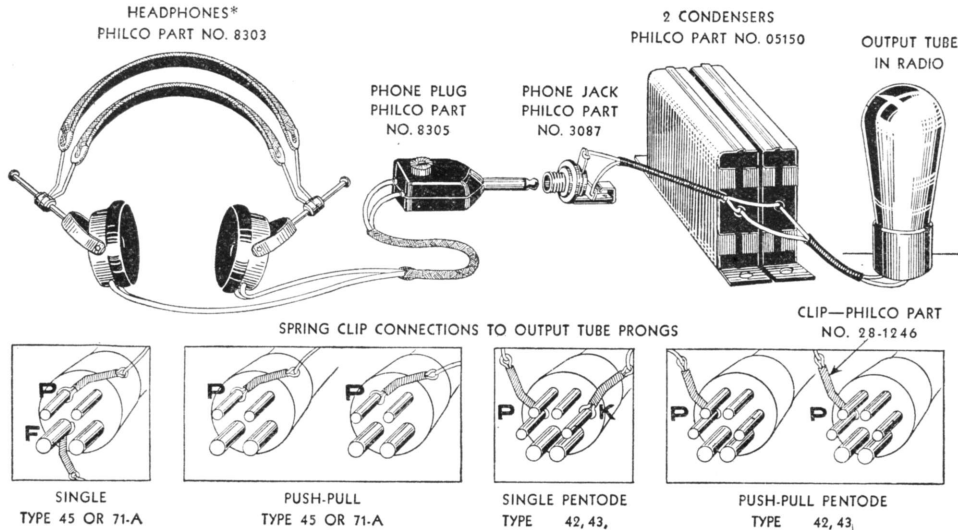
In response to considerable demand for a complete outfit to provide use of headphones, or an extra speaker in addition to, or independently of, the regular speaker in set, Philco has prepared a special "Headphone Kit." This includes a pair of special DeLuxe lightweight headphones, plug and jack, and two fixed condensers, to be connected as shown in cut below. If it is desired to use a speaker

instead of headphones, the kit may be purchased without the phones.

The Philco headphone kit fills a long-felt need—for invalids, hospital use, deaf persons or individuals desiring "DX" reception or radio enjoyment without disturbing others. A wonderful sales item for the aggressive serviceman.

Part No. 40-5037—Headphone Kit complete, packed in a cardboard box. Net Dealer Price **\$4.14**
Headphone Kit without phones. Net Dealer Price **1.59**

Put a headphone kit on display and cash in!
Part No. 8303—DeLuxe Lightweight Headphones only, 2000 ohms. Complete with cord. Net Dealer Price **\$2.55**



*An extra speaker can be substituted for the headphones if desired.
NOTE:—In filament type 5-prong output tubes such as 47 and 33, connect to plate and filament.

Philco Radio Outlets, Jacks and Plugs

This radio outlet provides aerial, ground and power connections from a one-gang outlet. Fits all standard depth wall boxes.

Aerial, ground and power connections are plainly marked on receptacle. The aerial and ground plug has blades set at an angle which prevents insertion in the power slots of receptacle. Standard plug furnished on radio fits the power slots only. Firm, positive contacts replace the loose fit of ordinary radio plug connections. A divider plate keeps Aerial, Ground, and Power circuits separated in wall box.

Power and Aerial, Ground receptacle complete with composition plate, Part No. 8307.

Net Dealer Price **\$1.92**

Jack plug receptacle for baseboard or wall outlet of speaker or headphones. Fits all standard depth wall boxes.

Single Receptacle complete with composition plate, Part No. 8304.

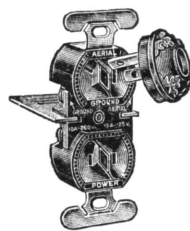
Net Dealer Price **\$0.96**

Jack Plug with semi-automatic release, Part No. 8305.

Net Dealer Price **\$0.48**

Plug and cable assembly, as used on standard model 115-volt sets. Part No. L-943A.

Net Dealer Price **\$0.36**



Philco 3-Way Socket and Cord

Standard 3-way electric outlet receptacle, fitted with cord having male plug at other end.

3-way socket complete, Part No. L-1279.

Dealer Net Price **\$0.48**

Philco Liquid Wax Polish

A high-grade liquid wax furniture polish, specified by the Philco chemical laboratory especially for Philco radio cabinets. This polish is far superior to the average furniture polish on the market. It is used extensively for all kinds of fine furniture, automobiles, floors, tile, and linoleum, as well as for radio cabinets. Part No. 80207.

Net Dealer Price, **\$0.25**

Sold in cases of 6 bottles. Counter display card furnished with each case.

PHILCO
REPAIR KIT OFF
LIQUID WAX POLISH

Specially Prepared For Radio Cabinets



IDEAL FOR ALL FURNITURE
AUTOMOBILES
FLOORS—TILE
LINOLEUM



PHILCO RADIO & TELEVISION CORPORATION
PHILADELPHIA TORONTO LONDON

PRICE 35¢

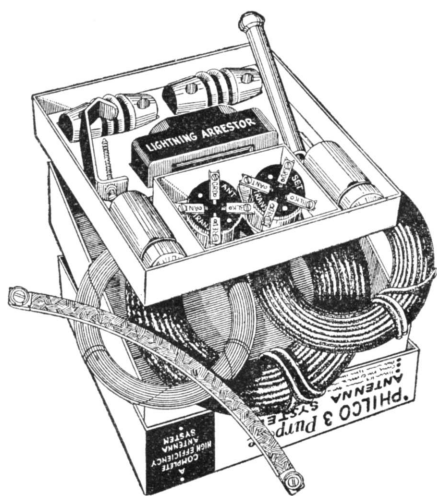
USE PHILCO REPLACEMENT PARTS FOR REPAIRING ANY RADIO

Philco Three-Purpose Antenna System

Noise Elimination — Greater Distance — Multiple Set Operation

Complete Antenna System — Not Merely a Lead-In

LATEST PHILCO RESEARCH DEVELOPMENT



A complete antenna system with low impedance antenna transmission line for reduction of man-made static, increasing distance range, and for multiple receiver operation. The ideal installation for reducing noise picked up on the lead-in wire, for highest efficiency even from a long lead-in, or for operation of two to four radio sets from a single antenna.

Includes 75 feet 7-strand antenna wire, lightning arrester, 2 antenna insulators; special matched antenna transformer completely weatherproof; special matched set transformer; 50 feet weatherproof double transmission line; 25 feet rubber covered ground wire; two nail-on knob insulators; porcelain tube insulator; window lead-in strip; and ground clamp, and special switch which adapts this system to reception of police, aircraft and other broadcasts up to 4 megacycles.

The lead-in transmission line can be extended if desired without any change in receiving efficiency. The transformers supplied in the standard kit are suitable for matching any length of Philco transmission line up to 400 feet.

- Part No. L-1551, Philco Transmission Line (Black) 100-foot rolls
Net Dealer Price \$2.40
- Part No. L-1591, Philco Transmission Line (White) 100-foot rolls
Net Dealer Price 2.10
- Part No. 32-1004, Set Transformer, used when connecting additional radio sets to transmission line. Net Dealer Price 0.45
- Part No. 40-5000-A, KIT COMPLETE, Net Dealer Price 3.60

Philco Short-Wave Antenna Kit

(High-Test Insulation)

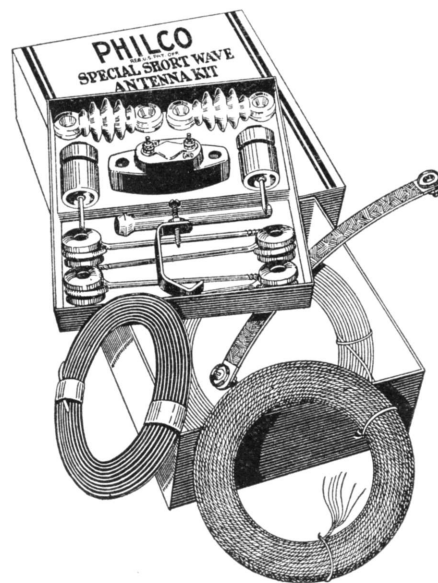
This Philco special short-wave antenna kit has been designed to enable the owner of a short-wave receiver to obtain the very maximum performance from his set. Every part used is of the highest grade material, and particular attention has been given to the insulation, to prevent any possibility of leakage of the delicate currents from the signals of foreign short-wave stations.

Among the important elements of the kit are: 100 feet of stranded enamelled copper antenna wire, weatherproof and providing maximum path for high frequency radio currents; two heavy glass insulators; four special "stand-off" insulators to keep the lead-in well away from the building; thirty feet of heavy flexible WHITE rubber-covered wire for indoor use as antenna lead to receiver.

All other necessary parts are included for a complete and efficient short-wave antenna.

Philco Short-Wave Antenna Kit, packed in a box with diagram and complete instructions.

Part No. 40-5081. Net Dealer Price, \$2.40



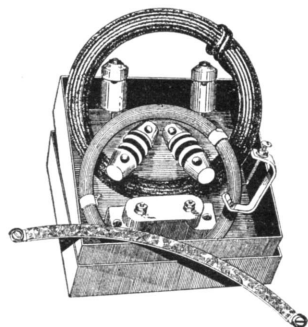
Philco Standard Antenna Kit

A complete antenna kit consisting of the following items:—

- 75 feet 7-24 Stranded Bare Copper Antenna Wire
- 35 feet No. 18 Rubber Covered Lead-In Wire
- 1 Glazed Porcelain Weather-Proof Lightning Arrester
- 2 Glazed Porcelain Insulators
- 3 Glazed Porcelain Nail-On Knobs
- 1 Lead-In Strip
- 1 Ground Clamp

The Philco Standard Antenna Kit is packed in a box, on the cover of which is a complete diagram of suggested installation. Part No. 8043.

Net Dealer Price \$0.96



Philco Microphones—for Broadcasting or Public Address or for Experimental Uses

No. 1. Hand or Portable Type

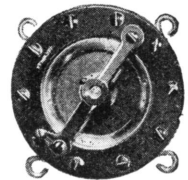


The highest possible quality in a portable two-button microphone. Extremely rugged and compact. Efficiency such that it can be used for any professional work requiring this type instrument. Excellent results guaranteed. Furnished complete with cord and plug.

Part No. 35-4001—Net Dealer Price \$21.00

No. 2. Standard Type

A high quality two-button microphone suitable for broadcasting, amateur use, or any purpose where an efficient, satisfactory microphone is required, at a moderate price. Microphone shown at right.



Part No. 35-4011—Net Dealer Price . . . \$11.70

Desk Stand for same. Nickel plated finish.

Part No. 35-4012—Net Dealer Price 9.30

No. 3. DeLuxe Type

A specially designed two-button microphone developed to give unsurpassed performance. Rugged and dependable, it delivers perfect fidelity of tone and is unaffected by severe use or changing conditions. Recommended where an instrument of the very highest quality is required. Results obtained with this microphone are superior to those of many broadcasting stations. For every purpose—music or speech; for audiences large or small, indoors or outdoors. May be used with any of the three types of stand described below.

Part No. 35-4002—Net Dealer Price \$21.00



Above—DeLuxe Type, shown in desk type stand. Stand and cord additional to price quoted for microphone.

Microphone Stands

The three types of stands described below are all suitable for the DeLuxe microphone described above.

Desk type—illustrated above.
Part No. 8301—Net Dealer Price \$16.20

Banquet type—higher stand, such as used for broadcasting banquet speeches, etc.
Part No. 35-4003—Net Dealer Price \$21.00

Floor type—full length stand as used in studios when performer is erect or moving about.
Part No. 8302—Net Dealer Price \$27.00

Microphone Transformer

This transformer, together with a 1½-volt dry cell, is required to complete a microphone installation. A standard dry cell with this transformer furnishes correct button current for both buttons on any of the three microphones listed.

Part No. 32-7010—Microphone Transformer—Net Dealer Price, \$3.45

Microphone Cable

Special 3-conductor flexible shielded cable, covered with outer braid. Standard cable for this purpose.

Part No. L-1572. Net Dealer Price \$0.12 per foot

Philco All-Purpose Set Tester

Model 048

Complete Radio Testing Equipment in One Small Portable Case

Handles every service job and meets all testing requirements from the crystal set up to the latest super with duo-diode-triode tubes. Will not become obsolete with future radio developments.

The original and only compact portable "All-Purpose" Set Tester, meeting all the serviceman's testing requirements in one unit at an extremely moderate price. The instant welcome accorded this unit at its first introduction was an indication that it was just what the serviceman had been wanting for years. Ever since then its popularity has increased by leaps and bounds, and today thousands of servicemen all over the country are finding it indispensable in their work. Every day new owners are learning its value.

Read These Specifications

Twenty-two meter ranges and a signal generator, at a price made possible by Philco laboratory design and construction. Rugged instrument—easy to read, quick change of scales, no danger of taking false readings. Accurate signal generator, calibrated in K. C. on the instrument panel (no graphs to consult). Finest type precision movement meter. All test leads designed to simplify your service job. Real universal clip for connections of screen grid tubes or antenna post, sturdy test prods designed for long service. New exclusive Philco output circuit adapters, will fit 4-, 5-, 6-, 7- and 8-prong sockets, connect output meter to any type output circuit without removing tubes from chassis. All leads plug into tester panel.



A True "All-in-One" Unit!



Conveniently Portable

ALL THESE ARE IN MODEL 048:

- 5 A. C. Voltage Ranges
- 5 D. C. Voltage Ranges
- 3 D. C. Milliammeter Ranges
- 3 Ohmmeter Ranges
- 5 A. C. Output Meter Ranges
- Capacity Meter
- Complete Tube Test
- Signal Generator Variable 105-2000 K. C.
- Complete Test Prods, Leads and Batteries.

- Part No. 38-5105
- 45-2030
- 45-2001
- 45-2002
- 5978
- 28-8008

Replacement Parts		NET DEALER PRICE
38-5105	Antenna and Ground Lead, shielded assembly complete	\$0.45
45-2030	Test Prod (36" lead) — black	} .60 pair
45-2001	Test Prod (36" lead) — red	
45-2002	Output Adapter Leads (30") complete . . . . .	.54 pair
5978	Binding Post. . . . .	.18
28-8008	Universal Clip (used on Antenna Lead) . . . . .	.08

Model 048 All-Purpose Tester. Serviceman's Net Price Complete \$48.60

PHILCO REPLACEMENT PARTS FIT ANY AUTO-RADIO

Philco Hardware Kit

The Philco Hardware Kit is designed for convenient use in the service shop where it is necessary to have available at all times the most commonly used screws, nuts, washers, etc., for mounting various radio parts. The kit consists of

twenty glass bottles, each containing a quantity of small hardware parts. The bottles are supplied in a heavy metal rack of two shelves so designed that the shelves can be fastened on the wall with five wood screws.

Part No. 45-1009—Philco Hardware Kit with rack, bottles and parts listed below. Net Dealer Price \$14.40

Description of Individual Groups

Part No. of Assembly	Quantity	Description	NET DEALER PRICE
45-1040	50	Washers (1/4")	\$0.15
45-1041	200	Washers (No. 8 Shakeproof)	.48
45-1042	100	Washers (1/4")	.54
45-1043	100	Nuts (21/64"—36 Hex)	.75
45-1044	100	Nuts (3/8"—24 Hex)	.90
45-1045	100	Nuts (3/8"—32 Hex)	.75
45-1046	100	Screws (No. 8 x 3/8" Parker Kalon Hex)	1.08
45-1047	100	Screws (No. 8 x 3/8" Parker Kalon Oval)	1.08
45-1048	100	Screws (No. 8 x 3/16" Parker Kalon Round)	1.08
45-1049	50	Screws (No. 8 x 1 3/8" Parker Kalon Hex)	.72
45-1050	25	Screws (No. 14 x 1 3/8" Parker Kalon Hex)	.54

Part No. of Assembly	Quantity	Description	NET DEALER PRICE
45-1051	25	Screws (No. 14 x 7/8" Parker Kalon Hex)	\$0.41
45-1052	25	Screws (No. 20 x 1 3/8" Parker Kalon Hex—End Slot)	.29
45-1053	50	Screws (No. 12 x 5/8" Parker Kalon Round)	.75
45-1054	25	Screws (8-32 x 3/4" Decorative)	.15
45-1055	100	Screws (No. 8 x 1/4" Parker Kalon Hex)	.90
45-1056	50	Screws (No. 14 x 1/2" Drive—Round Head)	.56
45-1057	200	Brads (3/8")	.15
45-1058	200	Eyelets (3/2" x 3/8")	.42
45-1059	100	Eyelets (1/2" x 1/8")	.30



Philco Radio Hook-Up Wire

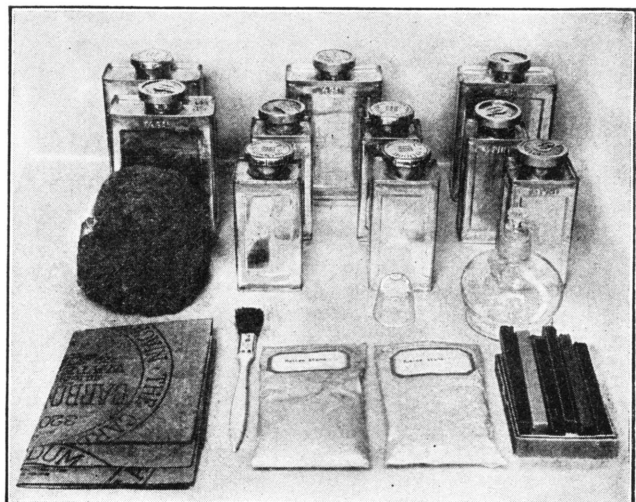
The same wire as used in wiring the chassis of Philco Radio is available in the various different types and colors in 100-foot coils. All the cotton-covered wire listed below is the special Philco flame-proof wire as used in all Philco receivers.

Part No.	Wire Specifications	Insulation Specifications	NET DEALER PRICE
L-947	No. 22 Solid Tinned Buss	Black Cotton Single Braid	\$0.75 per 100'
L-1481	No. 22 Solid Tinned Buss	Red-Yellow Tracer Double Cotton	.78 per 100'
L-1042	No. 22 Solid Tinned Buss	Red Rubber and Cotton	.81 per 100'
L-1098	No. 20 Solid Tinned Buss	Red Rubber and Cotton	1.08 per 100'
L-1096	7 Strands No. 30 Tinned	Green Cotton Single Braid	.81 per 100'
L-1090	16 Strands No. 30 Tinned	Black Cotton Single Braid	1.11 per 100'
L-1433	No. 18 Bare Tinned Buss		.36 per 100'
L-1508	7 Strands No. 30 Tinned		.63 per 100'
		Exclusive Philco Indoor and Portable Aerial Wire; neutral shade, rubber covered. Extremely flexible.	
L-1496	7 Strands No. 30 Tinned	Shielded Wire and Speaker Cable	\$0.054 per ft.
L-1055	4-Wire Speaker Cable	Cotton Braid Impregnated, Shielded, rubber covered over shielding	(min. 50 ft.)
L-943	2-Wire Speaker Cable	Color Coded, rubber and cotton	.12 per ft.
		Color Coded, rubber and cotton	.036 per ft.

Philco Furniture Touch-up Kit

At the request of many dealers and servicemen, Philco has prepared a new cabinet touch-up kit containing all of the necessary materials for retouching and refinishing radio cabinets. In the kit are such items as lacquer, sealer, touch-up wax and the various materials that are required to do a good touch-up job on any radio cabinet. The quantities are sufficient to last the average dealer at least a year, and any items in the kit which require replacement can be readily obtained from your Philco distributor. Every dealer and serviceman who has occasion to do furniture refinishing of any kind should have one of these complete Philco kits. Order from your Philco distributor now.

Part No. 45-1033. Philco Touch-up Kit
 Net Dealer Price **\$10.35**



USE PHILCO REPLACEMENT PARTS FOR REPAIRING ANY RADIO

Philco Radio Speakers

For Replacement — For Auxiliary Use

The Philco line of radio speakers listed on this page contains practically every type which might be required for replacement in any make of radio. If the field coil resistance requirements of the replacement speaker needed are known, you can simply refer to this list and select the one best suited to fill your needs.

Sales Opportunities — Replacements

The sale of Philco Electro-Dynamic Speakers to replace magnetic types or inferior or defective dynamic models provides a rich field for profits to the serviceman. Many owners of old sets, who cannot yet afford a new set or do not for some reason wish to part with their old receiver, can be sold, by a quick demonstration, the tremendous improvement a Philco dynamic speaker gives.

The Philco Type "U" Auditorium Speaker, due to its tremendous superiority in tone and power, is highly recommended as the finest possible replacement speaker. Its performance will satisfy the most critical listener.

Sales Opportunities — Extra Speakers

This is another unlimited field in which the radio serviceman will find many possible sales opportunities. Many radio owners would like to have reception in other rooms than that in which the set is installed, and while not a prospect for another smaller set, they can frequently be sold an extra speaker for the purpose. In such cases our model "KR" permanent magnet dynamic speaker is ideal, since it has excellent tone, is inexpensive and easily connected (requiring no equipment other than plug and jack), and consumes so little current that several may be used without affecting reception on the regular speaker in the set.

Frequently several of these type KR speakers can be sold to one owner for use in sun parlor, kitchen, nursery, den, servants' quarters, etc.

Specifications and Types

Philco electro-dynamic speakers are all equipped with an output transformer, so that they can be connected directly to the output of the receiver. The type tubes used in the output of receiver will of course largely determine the type speaker to be used.

For Sets Providing Field Supply

If the receiver is designed to provide field current excitation from its power pack, no further equipment will be needed to take care of the field supply, providing the current supplied by the set is within twenty per cent of that required to excite the speaker. Just connect the field coil terminals of the speaker to the proper terminals in the power pack of the receiver.

For Sets Without Field Supply

If the receiver used makes no provision for speaker field current it will be necessary to use an "exciter" or external source of field current. For this purpose we have designed three types of Exciter Units:

Part No. 37-1152. Exciter for use with Philco Type "U" auditorium speaker only, complete with tubes. **Net Dealer Price. . \$10.20**

Part No. 37-1027. Exciter for use with a single Philco speaker with field resistance approximately 3200 ohms, such as some of the Type "H" and Type "K." Complete. **Net Dealer Price 9.60**

Part No. 37-1032. Exciter for supplying field current to four Type "H" or "K" speakers. **Net Dealer Price 27.60**

To use these exciters it is only necessary to connect exciter to a 110-volt A.C. line, and attach its output to the field coil terminals of speaker. Detailed instructions are provided with the exciter.

Philco Radio Speakers

For Use as Extra Speakers or Replacement Units

Model	Type	*Mounting Diameter	Field Coil Resistance	Type of Output Tubes	NET DEALER PRICE
†B	Electro-dynamic	Compact set type	2600	Single 43	\$2.91
†B-2	Electro-dynamic	Compact set type	1140	Single 42	2.91
†H-9	Electro-dynamic	10 ¹ / ₂ "	1125	Single 42	4.50
H-12	Electro-dynamic	10 ¹ / ₂ "	3275	p.p. 42's	4.50
H-13	Electro-dynamic	10 ¹ / ₂ "	1125	p.p. 42's	4.50
H-17	Electro-dynamic	10 ¹ / ₂ "	3200	p.p. 45's or 47's	4.50
K-6	Electro-dynamic	8 ³ / ₈ "	3275	p.p. 42's	3.90
†K-7	Electro-dynamic	8 ³ / ₈ "	1125	Single 42	3.90
K-24	Electro-dynamic	8 ³ / ₈ "	3100	p.p. 71A's	3.90
U-2	Electro-dynamic	10 ¹ / ₂ "	1450	p.p. 42's	8.10
U-3	Electro-dynamic	10 ¹ / ₂ "	1140	p.p. 42's	6.60
KR	Permanent Magnet Dynamic	8 ³ / ₈"	....	.....	6.00

*Center to center of opposite mounting-screw holes.

†Has bucking coil. This must be opened when speaker is used with set other than original Philco model.

PHILCO REPLACEMENT PARTS FIT ANY AUTO-RADIO

STOP

RADIO NOISE

(Man-Made Static)



PHILCO

REG. U. S. PAT. OFF.

3-Purpose

AERIAL SYSTEM

ELIMINATES NOISE

INCREASES DISTANCE

ACCOMMODATES 2 TO 4 RADIOS

(See Page 27)

SERVICEMAN'S NET PRICE \$3.60

QUICKLY INSTALLED

REAL PROFITS