

# RADIO PARTS



"MIKE FARAD"

GENERAL  
REPLACEMENT  
PARTS

FOR ALL MAKES OF RADIO

ESHELMAN SUPPLY CO.

Wholesale Distributors

1059 W. MARKET ST.  
YORK, PA.

# PHILCO



# Now!

## PHILCO VIBRATORS

*for*

**All Makes of Auto Radios**



- Philco Quality
- Philco Dependability
- Philco Acceptance

For the first time servicemen and dealers can now supply their customers with genuine PHILCO sealed carton vibrators for all makes of auto radio receivers. New types have been added to the line of PHILCO vibrators so as to care for various circuit requirements. These are the famous long-life PHILCO vibrators which give hundreds of hours of uninterrupted service. Complete listing inside gives the correct PHILCO part number for practically every model auto radio ever built.

THE PROPER PHILCO VIBRATORS TO USE FOR PRACTICALLY EVERY MAKE AND MODEL AUTO RADIO ARE LISTED IN THESE PAGES. ORIGINAL PHILCO VIBRATORS ARE INDICATED FOR PHILCO SETS.

Make of Auto Radio	Radio Model Nos.	Use Philco Vibrator Part No.	List Price
Acratone	42D, 43D, 44D, 53D, U6	38-9909	\$2.95
Addison	6 Tube De Luxe Auto	38-9909	2.95
Admiral	PH-16, U-6, 5F, 55, 69	38-9909	2.95
Aircastle	U6	38-9909	2.95
Aircastle	3407	38-9910	4.95
Airline	U6, U66S, 6S, 16S1, 60, 62, 119, 165L, 62-202, 62-236, 62-242, 62-263	38-9909	2.95
Airline	19A28	38-9910	4.95
Amrad	F546	38-9910	4.95
Arvin	5, 9A, 19, 22A, 22EM, 280M, 29, 32, 42, 38, 39	38-9909	2.95
Associated Radio	Plug-in (non Sync.)	38-9909	2.95
Atwater Kent	237Q, 237Z, 467Q, 126, 136, 416, 446, 556	38-9909	2.95
Audiola	66, 73, 74	38-9909	2.95
Audiola	43C1B, 43T1B, 73C2B, 73T3B, 43, 67, 73, 6717, 6746	38-9910	4.95
Autocrat	518S, 618S, 23, 24, 505, 530	38-9909	2.95
Automatic	All 1936 Plug-in Models	38-9909	2.95
Baldwin	54, 64	38-9909	2.95
Balkitt	U6, 54, 64	38-9909	2.95
Belmont	560, 661, 666, 666A, 666B, 667, 668, Wings	38-9909	2.95
Belmont	408 Household, 415A, 415B, 804	38-9910	4.95
Bosch	536, 636, 637	38-9909	2.95
Bosch	79, 79C, 139, 149, 337, 524A, 536B, 634, 634A, 735, 736, 736A2, 737, 737A2, 738, 738A2, 838, 858	38-9911	2.95
Buick	98252, 98253, 98254, 98255 (Second Series)	38-9912	2.95
Cavalcade	54, 64, 359	38-9909	2.95
Cavalier	M85T, M85S	38-9909	2.95
Champion	500, 501, 600, 601	38-9909	2.95
Chevrolet	985100, 985200	38-9911	2.95
Chevrolet	983834, 985200 (Second Series)	38-9912	2.95
Chevrolet	985252 to 985255, 985283 to 985285	38-9913	2.95
Chrysler	B6F, B9F, CDS, CGD, CGDU, CRD, CT2, CT5, CT10, CT11	41-3186	3.00
Chrysler	C1423, C1450, C1452, C1550, C1608	41-3170	2.50
Chrysler	C1606, C1608	41-3398	2.50
Clarion	AR-100, 110	38-9909	2.95
Climax	66	38-9909	2.95
Clinton	801, 802, 803, 804, 805, 806, 807	38-9909	2.95
Colonial	350	38-9909	2.95
Colonial	R14840	38-9910	4.95
Colonial	1938 and 1939 (4-prong), 538, 539	38-9912	2.95
Colonial	434, 439, 440, 441, 444	38-9913	2.95
Continental	U6, 77, 78, 88, 770	38-9909	2.95
Corona	105, 122	38-9909	2.95
Coronado	(Gamble-Skogmo) 6C1, 26R1, 46L1, (19A25)	38-9909	2.95
Coronado	500	38-9911	2.95
Crosley	A266 "Roamio Fiver"	38-9909	2.95
Crosley	B46, 46, 416, 435, 546, 636, 6615	38-9910	4.95
Crosley	A156, A157, A167, A177	38-9911	2.95
Delco	500, 630, 631, 631A, 632, 633	38-9911	2.95
Delco	R640, R641, R642, R643, R644, R663, R664, R665, R666, R667, R668, R669	38-9913	2.95
DeLuxe	6-prong Sync.	38-9910	4.95
DeSoto	Same as Chrysler		
Detrola	6M, 6R 1935 Plug-in, 111, 112, 166, 244, 1938 Models	38-9909	2.95
Dodge	Same as Chrysler		
Echophone	1935 Models	38-9909	2.95
Echophone	6-volt Household Models	38-9910	4.95
Emerson	AS179, E, E123, E128, U154, V154, V155, 2A, 6A	38-9909	2.95
Emerson	46V-11	38-9910	4.95
Fada	A50, 166, 266, 266SD, 266SF, 255SG, 267, 267SD, 267SF, 267SG, 267X	38-9909	2.95
Fairbanks-Morse	4A, 4B, 6C, 43C1B, 73C3B, 73T3B, 432B	38-9910	4.95
Firestone	R131, R133, 54, 64, 1314, 1332	38-9909	2.95
Ford	FN, FT6, FT9	41-3186	3.00
Ford	F1440, F1442, F1540	41-3170	2.50
Ford	F1640	41-3398	2.50
Ford	FT9, 816	38-9914	3.95
Garod	B37	38-9909	2.95
General Electric	D72, N60	38-9909	2.95

Make of Auto Radio	Radio Model Nos.	Use Philco Vibrator Part No.	List Price				
General Electric	U51, U55	38-9910	4.95				
Globe	1936 Models	38-9909	2.95				
Gold Medal	U6	38-9909	2.95				
Goodrich	50, 60, 65, 80, 90 "Wings"	38-9909	2.95				
Graham	G1418, G1436, G1528, G1628	41-3170	2.50				
Graham	G1628	41-3398	2.50				
Grunow	614, 613	38-9911	2.95				
Halson	56U, 560, 199 "Roadmaster" 4 prong	38-9909	2.95				
Harley Davidson	560	38-9909	2.95				
Howard	HA7, HA8, HA9	38-9909	2.95				
	68B	38-9910	4.95				
Hudson Terraplane	H6, 666, 668	38-9909	2.95				
	680	38-9911	2.95				
Hupmobile	HGD, HHD, HRD, HT2, HT11X	41-3186	3.00				
Jackobs	Household	38-9910	4.95				
Kent	4 prong	38-9909	2.95				
Knight	A9780, 1, 2, 3, & 4, B10550-1, 2, & 3, H9726, H9766, H9897, U6	38-9909	2.95				
Lafayette							
(Wholesale Radio)	B90, D37, D45, D46, EB17, EB17A, EB67, JA1, JA2, S9, S79	38-9909	2.95				
Lafayette	6 prong sync.	38-9910	4.95				
Laurehk	AE5, AE6, AE79, AM6, 66, A37	38-9909	2.95				
Lincoln	LHX, LT14X3	41-3186	3.00				
Lincoln	L1420, L1424, L1425, L1427, L1429, L1560, L1660	41-3170	2.50				
Lionel	4 prong	38-9909	2.95				
Lion Radio	612	38-9910	4.95				
L'Tatro	EN6-4	38-9910	4.95				
Melburn	45, 50	38-9909	2.95				
Midwest	6-37	38-9909	2.95				
Mission Bell	638, 638A, 738, 738A, 3716, 3716 "de Luxe"	38-9909	2.95				
Monarch	U6, YU6, 54, 64	38-9909	2.95				
Motomaster	611 (plug-in)	38-9909	2.95				
Motorola	(Galvin)-34, 35, 45, 50, 60, 65, 70, 80, 90, 8-30, 8-40, 8-50, 8-60, 8-70, 8-80, "Companion", "Golden Voice"	38-9909	2.95				
Motorola	59H, 37825	38-9910	4.95				
Motorola	(Galvin)-57, 62, 75, 79, 100, 110	38-9915	2.50				
Nash	NDD, NJD, NQD, NT7, NT12, NT12X2, NT15	41-3186	3.00				
Nash	N1418, N1433, N1434, N1514, N1524	41-3170	2.50				
Oldsmobile	98526, 983527, 983044, 983844, 985200—(Second Series)	38-9912	2.95				
Oldsmobile	982043, 982044, 982045, 982083, 982084, 982085	38-9913	2.95				
Pacific	H6, H7, 6V, 101B, 101C, 102B	38-9909	2.95				
Packard	PB, PHX, PT5, PT14	41-3186	3.00				
Packard	P1417, P1421, P1422, P1426, P1430, P1432, P1517, P1530, P1535, P1617, P1630, P1635	41-3170	2.50				
Packard	P617, P1630	41-3398	2.50				
Packard Bell	65, 67, 76	38-9909	2.95				
Packard Radio Co.	6 tube auto	38-9909	2.95				
	5	805	EF	HRD	CT11		
	6F	806	CGD	CT2	HT11X		
	B6F	808	CGDU	HT2	NT12		
	9F	809	LHX	MT3	NT12X2		
	B9F	810PA	PHX	RT3	ST12		
	10 code 121	810PB	NJD	ST3	LT14X3		
	10 code 122	810PV	SJD	CT5	MT14X4	41-3186	3.00
	11 code 121	816	FN	PT5	PT14		
	11 code 122	PB	DP	FT6	RT14X		
	700	SCD	DPV	NT7	NT15		
	800 code 121	CDS	NQD	ST7X	ST15		
	800 code 122	NDD	SQD	FT9	816		
	802	MED	CRD	CT10			
	817	M1412	L1427	C1450	L1560		
	818	P1417	L1429	C1452	C1608		
	818K	G1418	P1430	N1514	S1616		
	819	N1418	S1431	S1516	P1617		
	826	W1419	P1432	P1517	S1626		
	827	L1420	N1433	N1524	G1628	41-3170	2.50
	827K	P1421	N1434	S1526	P1630		
	828	P1422	M1435	G1528	P1635		
	828K	C1423	G1436	P1530	F1640		
	926	L1424	S1437	P1535	L1660		
	927	L1425	F1440	F1540			
	928K	P1426	F1442	C1550			



Make of Auto Radio	Radio Model Nos.	Use Philco Vibrator Part No.	List Price
Philco	811P, 811PV	41-3186	3.00
Philco	821P, 821PV	41-3315	4.00
Philco	920, 921, 922, 936, 937, 938K, C1606, C1608, S1616, P1617, S1622, G1628, P1630	41-3398	2.50
Philco	933	83-0017	2.50
Pierce Airo	(De Wald) (United Scientific), A604, A605, 517, 527, 605, 606, 607, 617, 702	38-9909	2.95
Pierce Arrow	MED, MT3, MT14X4	41-3186	3.00
Pierce Arrow	M1412, M1435	41-3170	2.50
Pilot	605	38-9909	2.95
Pilot	253 (3rd), 255 (3rd)	38-9910	4.95
Pla-Pal	185	38-9910	4.95
Pla-Right	500	38-9911	2.95
Plymouth	Same as Chrysler		
Pontiac	983834, 985200, (Second Series)	38-9912	2.95
Pontiac	983526, 983527, 983534, 983569, 983570	38-9913	2.95
Powertone	500	38-9911	2.95
RCA Victor	H6, 8M, 8M1, 8M2, 63, 67M	38-9909	2.95
Radalek	K16825	38-9909	2.95
Radiart	B Eliminator 4200	38-9909	2.95
Radiette	54, 64	38-9909	2.95
Radio Product	U6, 54	38-9909	2.95
Reliance	U6	38-9909	2.95
Remington	U6	38-9909	2.95
Reo	RT3, RT14X	41-3186	3.00
Setco	(Setchell-Carlson) 67, 77, 89	38-9909	2.95
Shelly	65, 67, 75	38-9909	2.95
Silver Marshall	6-volt 6-prong Household	38-9910	4.95
Silvertone	556, 666, 1869, 1869X, 1949, 3400, 4405, 4407, 4428, 448, 4450, 4548, 4550, 7157, 7167	38-9909	2.95
Silvertone	4418, 4419, 4421, 4430, 4434, 4141, 4451, 4459, 4519, 4521, 4559	38-9910	4.95
Silvertone	4600, 4601, 6100, 6101	38-9913	2.95
Simplex	Q, 1935 (Non Sync.)	38-9909	2.95
Sky-Ranger	500	38-9911	2.95
Sobol	6C1	38-9909	2.95
Sparton	676, 686, D686	38-9909	2.95
Stewart-Warner	(89868), (110800)	38-9910	4.95
Stewart-Warner	R117, R131, 1171, 1172, 1311 to 1319	38-9909	2.95
Studebaker	SCD, SJD, SQD, ST3, ST7X, ST12, ST15	41-3186	3.00
Studebaker	S1431, S1437, S1516, S1526, S1616, S1626	41-3170	2.50
Studebaker	S1616, S1622, S1626	41-3398	2.50
Supertone Products Co., Inc.	U6, 54, 64	38-9909	2.95
Trav-Ler	54, 64, 542, 601, 610, 642, 660, 670, 710, 711	38-9909	2.95
Traveler	76, 173, 176, 525, 733	38-9910	4.95
Troy	68	38-9909	2.95
Truetone	(Western Auto Sup.), D737, D737B, D737C, D744 (Wells Gardner) D743, D743W, D744, R131, S743, 666, 1311, 1312	38-9909	2.95
Truetone	612	38-9910	4.95
United Motors	98252, 98253, 98254, 98255, 983526, 983527, 980244, 983834, 985200, (Second Series)	38-9912	2.95
Universal Battery Co.	(Clinton)-60, 70, 80, 801, 802, 803, 804, 805, 806, 807	38-9909	2.95
Warwick	550, 560, 646, 660, 665	38-9909	2.95
Wells Gardner	Z6U1, 6C1, 6L, 6N, 6P, 6R, 46C1, 46C1-41, 61	38-9909	2.95
Wells Gardner	5H, 5K1, 65H	38-9910	4.95
Westinghouse	WR502, WR503	38-9909	2.95
Westinghouse	WR500	38-9913	2.95
Willys-Overland	W1419	41-3170	2.50
Wilson	1936 Models (4 prong)	38-9909	2.95
Zenith	5J217, 5J247, 5J255, 5M90, 5M191, 6J230, 6J257, 6M90, 6M90D, 6M90S, 6M91D, 6M91S, 6M92, 6M192, 6M193, 6M194, 7J232, 7J259, 7M91D, 7M91S, 8M195, 663, Chassis Numbers—5510, 5520, 5524, 5610, 5615, 5631, 5632, 5637, 5642, 5711, 5803	38-9909	2.95
Zenith	5M291, 6M292, 6M293, 6M294, 6M295, 666, 668, 680, Chassis Numbers—5616, 5645, 5805	38-9911	2.95
Zenith	4B106, 4B131, 4B132, 4B231, 4V31, 4V59, 6B107, 6B129, 6B164, 6V27, 6V59, 6V62, Chassis Numbers—5404, 5405, 5406, 5621, 5635	38-9910	4.95
Zephyr Radio Co.	(Also see Lincoln-Zephyr)—3M5, 3M7	38-9909	2.95

## PHILCO RADIO AND TELEVISION CORPORATION



# PHILCO

REG. U. S. PAT. OFF.



## RADIO AERIAL EQUIPMENT

HOME RADIOS • A Type for Every Purpose • AUTO RADIOS

### PHILCO SAFETY AERIAL

The Safety Aerial recommended by Electric Power Companies

#### The Safest Home Radio Aerial Ever Built

Super-Safe, highly efficient vertical aerial developed for quick and easy installation—recognized by Power Companies as the ideal radio aerial.

Protects radio receiver from lightning and power line shorts.

Complete and ready to install—no poles, guy wires or unsightly mounting equipment necessary.

The ideal replacement or new set aerial.

The best profit-increasing product on the market today. Most installations can be made in 15 minutes.

ALL 1939 PHILCO RADIOS EXCEPT SMALLER MODELS DESIGNED TO OPERATE WITH THIS AERIAL

Specially designed lightning arrestor carries off static electricity and incorporates fuses and a condenser to protect the radio receiver against power line shorts and lightning.

Easily attached to the vent pipe on the roof, chimney or any wood section of the roof.

Consists of an attractive 12-foot cadmium-plated steel rod in four sections—40 feet of flexible weather proof lead-in wire, soldered to base of rod—special lightning arrestor and all necessary mounting fittings.



PART NO. 40-6370

LIST PRICE \$3.00

## PHILCO HIGH EFFICIENCY AERIAL

A Scientifically Designed All-Wave Noise Reducing Aerial LIST PRICE \$5.00 PART NO. 40-6112

(Transformer, Part No. 32-2763, List Price \$2.50)



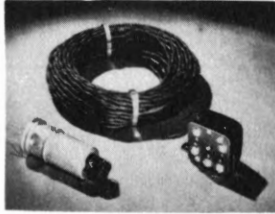
- Designed to reduce man-made electrical interference to a minimum and give high uniform signal strength over a wide frequency range.
- Especially recommended for all-wave receivers of all types and manufacture—adds additional sensitivity for reception of weak stations.
- When used with the PHILCO NOISE REDUCER and coupling transformer, Part No. 32-2763, local noise interference of the most severe type can be reduced to the lowest level.
- Easily installed—comes ready for installation—no soldering.
- Can be attached directly to receivers with connections for a transmission line. Receivers with ordinary aerial connections require the use of Coupling Transformer, Part No. 32-2763.
- Will out perform any aerial of its type.



# TUNED INPUT LEAD-IN SYSTEM

For All Types of Aerials

- A most effective noise reducing lead-in system designed for all types of Aerials—including "L" (flat type) Antennas and the PHILCO Safety Aerial.
- Easily connected to existing aerials.



Part No. 40-6484  
List Price \$3.95

- Thousands of standard type aerial now erected open a potential market for this Lead-in System.
- Additional set transformers (up to four) can be connected to the System for multiple set operation.
- Kit consists of (1) Aerial Transformer; Roll of Transmission Line; Set Coupling Transformer.

# AERIAL NOISE REDUCER and Coupling Transformer

Designed for use with the PHILCO HIGH EFFICIENCY AERIAL or any low impedance transmission line antenna to obtain the ultimate in noise reduction.

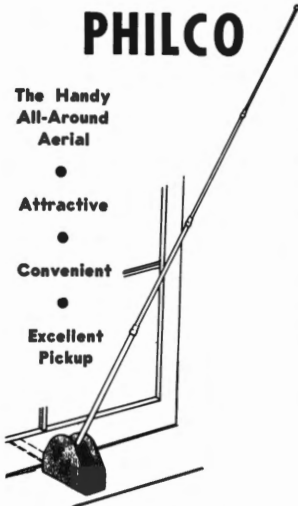


Part No. 32-2763  
List Price \$2.50

## PHILCO UTILITY AERIAL

The Handy All-Around Aerial

- Attractive
- Convenient
- Excellent Pickup



Especially designed for hotels, apartments and the home when more than one aerial is required or roof aerials are prohibited.

Easily mounted on the outside window-sill.

Can be adjusted to any angle. Consists of a rust-proof two-section pole—lead-in strap and special mounting bracket.

Part No. 40-6384  
LIST PRICE \$3.00

## PHILCO FARM RADIO AERIAL

The Ideal Battery Set Aerial

Designed for use with PHILCO FARM RADIOS and receivers of other manufacturers.

Just the thing for remote rural sections where high signal strength is needed.

High Signal Pickup.

50 feet of stranded copper aerial wire and 50 feet insulated lead-in wire—soldered together.

Part No. 40-6383

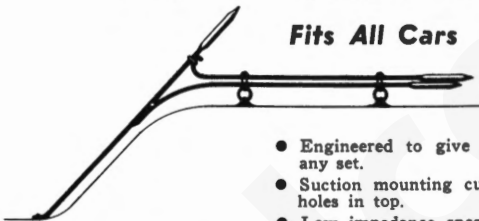


LIST PRICE \$1.75

# AUTO RADIO AERIALS

## "HI-WAY" AUTO AERIAL

Fits All Cars



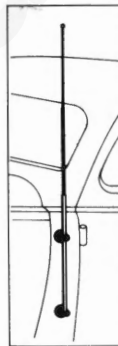
Part No. 45-2568  
List Price \$4.00

- Easily installed—designed to harmonize with contours of modern body trends.

- Engineered to give maximum signal on any set.
- Suction mounting cups eliminate drilling holes in top.
- Low impedance special shielded weather-proof lead-in—eliminates ignition noise and wheel static.
- Heavily chromium-plated metal parts—special moulded bakelite insulators.

## TELESCOPE COWL AERIALS

—Two and Three Section Types—



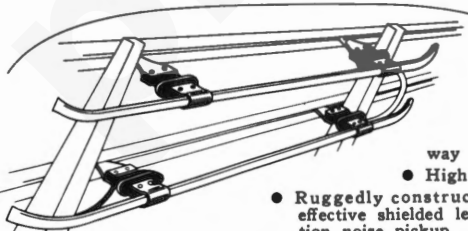
- Harmonizes with every auto body style and color.
- Metal rods are seamless and rust-proof—beautifully finished.
- Mounts to cowl with two small bakelite supports—flexible weather-proof lead-in through lower support eliminates noise pickup.
- Will not short in the most severe weather.

Two Section Part No. 91-0046. Extended 50"  
—Contracted 27".  
List Price \$2.70

Three Section Part No. 91-0022. Extended 60"  
—Contracted 35".  
List Price \$2.95

## UNDER CAR AERIAL

Ruggedly Constructed—Rust-Proof Metal Adaptable to all Types and Makes of Cars



Part No. 45-2615  
List Price \$4.00

- Easily and quickly installed to running board of any car—due to newly designed three way mounting brackets.
- High signal pickup.
- Ruggedly constructed—rust-proof. Very effective shielded lead-in. Eliminates ignition noise pickup.

## DOOR HINGE AERIAL

Simple to Install—No Drilling



- Quickly installed in a few minutes to the hinge of any car door.
- Excellent signal pickup.
- Two telescope sections, heavily plated, rust-proof—weather-proof rubber insulation, efficient lead-in.

Part No. 45-2685

List Price \$2.50

PHILCO Parts and Service Division, Philadelphia, Pa.



# PHILCO

REG. U. S. PAT. OFF.



## DEALER SPECIALTIES

### RADIO CABINET POLISH



A high-quality POLISH that will restore the original lustre to the most delicate surface of fine furniture and radio cabinets.

Extremely quick and effective, yet will not injure the surface of the finest finish.

Six half pint bottles packed in attractive display carton to retail at 60c per bottle.

Developed by the PHILCO Furniture Division.

Carton of Six Bottles

PART NO. 45-1321

LIST PRICE \$3.60

### PORTABLE CABINET REFINISHING OUTFIT

The complete, compact portable refinishing outfit for the dealer or serviceman to do those touch up jobs in the showroom or customer's home.

Generous and well balanced quantities of every necessary refinishing item.



A sound investment for increasing customer good will.

PART NO. 45-1326

See Distributor for Special Price

### CONSERVA-FINISH REFRIGERATOR Cleaner and Polish

A specially prepared Cleaner and Polish for the outside finish of Conservador Refrigerators—or any lacquered surface.



An application of this Cleaner and Polish will protect the Refrigerator finish against, Grease, Dirt, Salt Air, Fruit Juices, etc., and will maintain the original fine lustre of the finish for a number of years.

16 Fluid-ounce Can

PART NO. 8020-2

LIST PRICE 85c

### CABINET REFINISHING TOOLS

#### BURN-IN LAMP



An alcohol lamp especially designed for heating the Burn-In Knife. Assures clean knife. Perfect wax filling.

PART NO. 45-1020  
LIST PRICE. \$2.00

#### BURN-IN KNIFE

Made of high grade steel and shaped correctly for all types of fill-in work.



PART NO. 45-1285  
LIST PRICE.... \$1.25

#### REFINISHING BRUSHES



PART NO. 45-1035  
LIST PRICE.... \$1.75

Here is a very fine smooth flowing refinishing brush—ideal for lacquer work—1" wide. Made of the finest hair available.

A very fine camel's hair pencil brush—an item every cabinet finisher needs—shaped to fit the tiniest scratches and edgework.



PART NO. 45-1034  
LIST PRICE.... \$0.40



# Cabinet RUBBING COMPOUND

*Excellent Refinishing Compound*



To remove dirt, haze, lacquer craze, minor scratches and scars from radio cabinets or furniture. Here is the ideal rubbing compound for the purpose.

Makes the finish of old cabinets  
**LOOK LIKE NEW.**

Doubles the Selling Price  
of your trade-ins. . . .

Half Pint Cans  
Part No. 45-1281

Supplied in a carton of six half pint cans—  
Retail price of each can 70c

Carton of Six Cans

PART NO. 45-1380

LIST PRICE \$4.20

# HEADPHONE KITS . . .



Supplied in THREE TYPES for  
adaptation to any radio.

EASILY ATTACHED

Just the thing for the Hard-of-  
Hearing or Late Listeners.

LIST PRICE, Either Kit . . . \$7.50

1. For sets with "G" or metal tubes.

PART NO. 45-2227

Quickly connected to any octal-base tube set by simply inserting adaptor plug under output or driver tube. Complete with high grade headphone set, plug, and full instructions.

2. For sets with original type tubes.

PART NO. 45-1167

Designed especially for sets using ordinary or original type tubes with plain base, such as models from 1932-35 and 1936 Philcos. Attached same as type No. 1 Kit. Furnished complete with quality headphone set and plug.

3. For operation with set speaker also.

PART NO. 45-2225

Usable with any make or model set, regardless of the type of tubes used. Allows set-speaker to continue operating, whereas kits No. 1 and No. 2 automatically disconnect speaker when phones are plugged in. Complete with phones.

# HOOK-UP WIRE Assortment

*Mounted on Handy Stand*

A tremendous amount of time can be saved in the sales room and work in the shop greatly facilitated by placing this stand on the counter or work bench.

The handy metal stand contains nine 100-foot spools of hook-up wire, each a popular type, conveniently mounted so that the desired length of wire can be quickly unrolled and cut off.



SIZE OF WIRE AND COLOR OF  
INSULATION ON EACH SPOOL

Green, Solid No. 22	Brown, 7 strands	White, 7 strands
Red, Solid No. 22	Green, 7 strands	White-Black, 7 strds.
White, Solid No. 22	Red, 7 strands	Blue, 7 strands

Complete Stand

PART NO. 45-1370

LIST PRICE \$15.40

# GENERAL PURPOSE CEMENT



A highly effective cement for wood, paper, china or any repair job requiring a powerful adhesive material. Especially compounded for speaker cone replacements. Supplied in a package of 12 tubes.

Package of 12 Tubes

PART NO. 45-1390

LIST PRICE \$7.20



- Plays 15 to 20 Records.
- Better Tone.
- Less Surface Noise.
- Less Record Wear.
- Will play a complete loading of records on an automatic changer.

# PHONOGRAPH NEEDLES

Get some of that Phonograph Needle business by displaying this carton in a conspicuous place in your showroom.

Display Carton Complete with 100 - 25c Packages—Part No. 40-6468

# PHILCO PARTS AND SERVICE DIVISION

PHILADELPHIA, PA.



# PHILCO

REG. U. S. PAT. OFF.



## INTERFERENCE ELIMINATORS

Noise Filters for All Types of Electrical Apparatus

Wave Traps for Every Type of Radio Aerial and Station Interference

### DEALER NOISE FILTER KIT

Part No. 45-2229



Contains interference filters to handle the majority of noise complaints encountered on the average service call. Includes an instruction manual giving full particulars for eliminating interference.

List Price, \$15.50

### PLUG-IN NOISE ELIMINATOR

Here is a counter item that moves quickly and requires a minimum of sales effort.

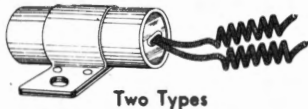
Reduces to a minimum noises created by small home appliances; — electric razors, fans, buzzers, etc.

Kit Part No. 45-1359 contains six eliminators.

Kit List Price . . . . . \$5.10



### DUAL FILTER CONDENSERS



Two Types

#### Small Appliance Filter

Part No. 45-2220 List Price, \$0.75

A compact filter for small horsepower motors, such as found in portable electric tools, small fans, household appliances, etc.

#### Large Appliance Filter

Part No. 45-2221 List Price, \$1.00

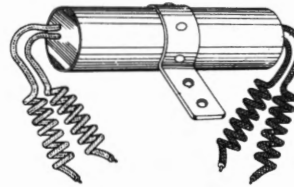
A high capacity filter for larger appliances, such as refrigerator motors, oil burners and flashing signs.

### DUAL CONDENSER & CHOKE FILTER

Carries Up to 10 Amperes

A twin condenser and choke filter for obstinate cases of interference where a condenser filter will not entirely eliminate the noise. Effective on all electrical apparatus with current ratings up to 10 amperes.

Part No. 45-2217

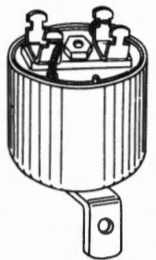


List Price, \$2.50

### SINGLE FILTER CHOKE

Carries up to 10 amperes.

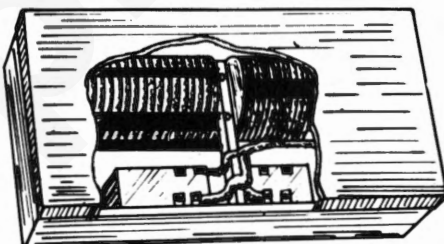
A compact and very effective choke for use when condenser filters alone will not reduce the interference to a minimum.



Part No. 45-2218 List Price, \$0.75

### HEAVY DUTY POWER FILTER

Designed for Power Equipment Up to 5000 Watts



Model No. 0100

List Price, \$11.75

Heavy Duty Power Filter for noise interference caused by large power equipment, big flashing signs, farm lighting plants, etc. Does the job when everything else fails. Contains special filter chokes and twin condensers.

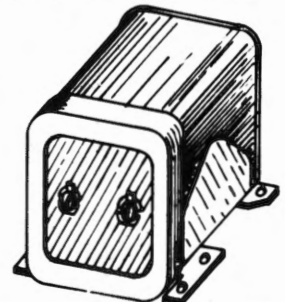
### HEAVY DUTY CONDENSER FILTER

Designed for heavy duty industrial apparatus such as large horsepower motors, circuit breakers, etc.

Contains twin condensers for connecting to both sides of the line. Case is grounded. Working voltage 400 D.C.

Part No. 45-2219

List Price, \$3.00





# PHILCO WAVE TRAPS

**R.F. AND I.F. WAVE TRAPS · TYPES FOR STANDARD AND ALLWAVE AERIALS**  
**A Trap for Every Form of Station Interference. Eliminate Cross Talk—Whistles**

Here is a complete line of R.F. and I.F. wave traps designed to meet every station interference condition. With these traps, it is possible to reduce to a minimum cross-talk and whistles

caused by excessive signal strength from powerful local stations and eliminate commercial (code) station interference near the I.F. frequencies of the receiver.

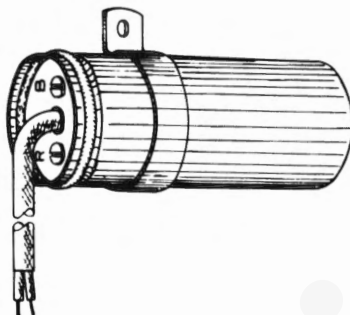
## ALL WAVE (Transmission Line) AERIAL WAVE TRAPS

*Especially designed for the PHILCO High Efficiency Aerial Part No. 40-6112*

### LOW ATTENUATION TRAPS

The R.F. wave traps listed below attenuate the signal in the broadcast band to which they are tuned 15 to 1 and have practically no effect on any other signals in both the short wave and broadcast bands.

Freq. in K. C.	Part No.	List Price
540 to 700 K. C.	38-9130	\$2.00
700 to 1100 K. C.	38-9131	2.00
1100 to 1500 K. C.	38-9132	2.00



### HIGH ATTENUATION TRAPS

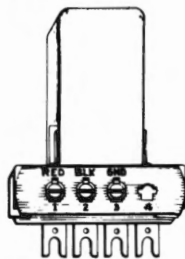
I.F. and low frequency R.F. wave traps that reduce the interfering signal 500 to 1. These traps will completely absorb the interfering signal of powerful local stations that cause cross-talk or I.F. interference. The traps have no effect on the sensitivity of the short wave band.

Freq. in K. C.	Part No.	List Price
460 to 800 K. C.	38-9128	\$2.00
800 to 1500 K. C.	38-9129	2.00

## WAVE TRAPS FOR PHILCO HIGH EFFICIENCY AERIAL

(PART No. 40-5958)

*Eliminates R.F. and I.F. interference*



Freq. in K. C.	Part No.	List Price
470 K. C.	38-8067	\$2.20
550 to 750 K. C.	38-8072	1.60
750 to 1050 K. C.	38-8073	1.60

These wave-traps are designed for the 1937 Philco line of receivers using the Philco High Efficiency Aerial, Part No. 40-5958. Easily connected to all 1937 Philco radio aerial connections through special mounting strip.

These wave traps are ideal interference eliminators for all types of double and double doublet antenna systems of other manufacture. Connects between the transmission line and the aerial terminals of the receiver.

### AERIAL LOADING COIL



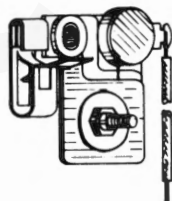
This aerial loading coil is used for reducing cross-talk from high power near-by stations. Can be connected to any transmission line aerial, such as the Philco High Efficiency. The loading coil has an attenuation factor of 10 to 1 on broadcast band signals and has no effect on the sensitivity of the short wave band.

Connects across the transmission line terminals.

**Part No. 32-2417**  
**List Price, \$0.30**

### STANDARD AERIAL (Flat Top) WAVE TRAPS

Type 2



Here is a complete line of wave traps for practically every frequency in the broadcast band. Each trap is adjustable and has a high attenuation factor at the frequency for which it is designed. These wave traps are effective on all standard aerials using an ordinary lead-in (straight wire).

All Wave Traps listed below are \$0.50 each with the exception of 38-6619—\$0.75

K. C.	Part No.	K. C.	Part No.	K. C.	Part No.	K. C.	Part No.	K. C.	Part No.	K. C.	Part No.
260	Z-977	680	Z-657	900	Z-698	1060	Z-764	1240	Z-682	1360	Z-647
290	38-6661	700	Z-628	920	Z-640	1090	Z-677	1258	Z-648	1370	Z-649
560	Z-637	710	Z-933	940	Z-687	1100	Z-645	1260	Z-625	1390	Z-678
570	Z-679	720	Z-683	950	Z-656	1110	Z-639	1270	Z-669	1400	Z-681
590	Z-675	750	Z-680	970	Z-641	1120	Z-654	1280	Z-638	1410	Z-629
600	Z-646	760	Z-943	980	Z-623	1130	Z-644	1290	Z-643	1420	Z-636
610	Z-658	770	Z-773	990	Z-665	1160	Z-673	1300	Z-668	1430	Z-664
620	Z-686	780	Z-650	1000	Z-631	1170	Z-633	1310	Z-634	1440	Z-626
630	Z-789	830	Z-624	1010	Z-660	1200	Z-632	1330	Z-635	1450	Z-627
640	Z-748	860	Z-932	1020	Z-790	1210	Z-672	1340	Z-642	1500	Z-630
660	Z-676	890	Z-667	1050	Z-655	1230	Z-659	1350	Z-666	7.15 meg.	
											38-6619

**PHILCO Parts and Service Division, Philadelphia, Pa.**

Printed in U. S. A.

*Just What You Have Been Waiting For*

# PHILCO

# "LITTLE MIKE"

# ELECTROLYTIC CONDENSERS



Here are the Smallest, Sturdiest, Most Dependable Midget Electrolytic Condensers in the Industry—Sensationally Priced at Low Cost! The Ideal General Replacement Electrolytic that Will Fit in Any Radio or Amplifier—"Little Mike" the Time Saver—Space Saver—Money Saver—Profit Builder.

## "LITTLE MIKE"

### Features

- Extremely Low Leakage — Eliminates Over Heating.
- Low Power Factor.
- Designed With High Surge Voltage Rating.
- Hermetically Sealed Metal Container—Protected Against Blow-Ups.
- Single and Dual Capacities.
- Common Negative Leads on Dual Units.
- Constructed to be Self-Supporting.
- Extraordinary Shelf Life.
- Large Capacity Units that Require the Least Amount of Space—Ideal for Midget Radios.

### "LITTLE MIKE"—SINGLE CAPACITY

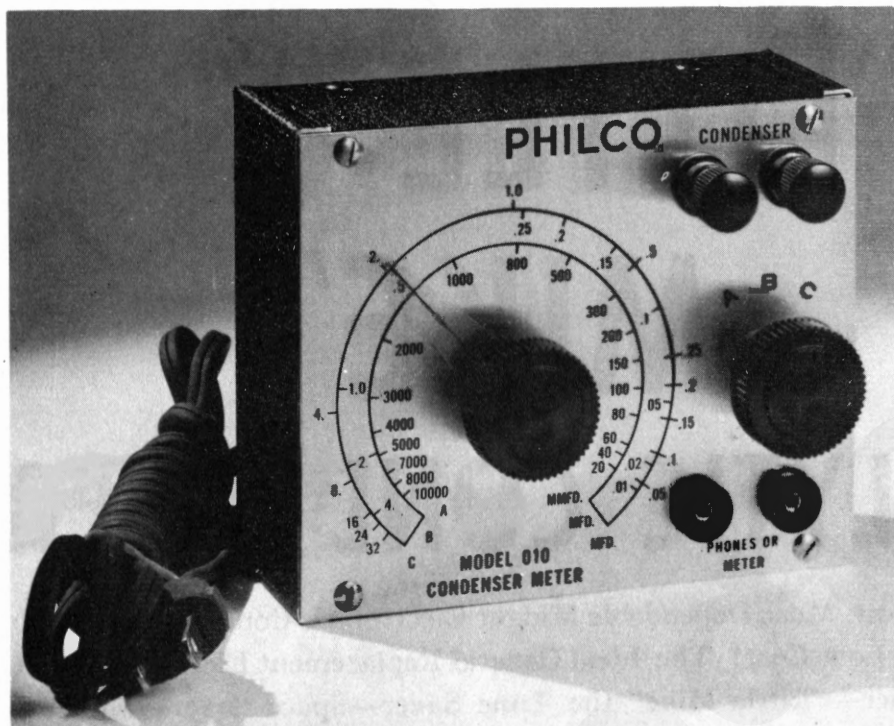
Cap. Mfd.	Diameter	Length	Part Number	List Price
<b>WORKING VOLTAGE 50</b>				
5	$\frac{9}{16}$	$1\frac{5}{8}$	30-2417	\$0.45
10	$\frac{11}{16}$	$1\frac{5}{8}$	30-2418	.50
25	$\frac{11}{16}$	$1\frac{5}{8}$	30-2419	.55
<b>WORKING VOLTAGE 150</b>				
20	$\frac{3}{4}$	$1\frac{5}{8}$	30-2420	.60
40	$\frac{11}{16}$	$1\frac{5}{8}$	30-2421	.65
<b>WORKING VOLTAGE 250</b>				
4	$\frac{9}{16}$	$1\frac{5}{8}$	30-2422	.45
8	$\frac{5}{8}$	$1\frac{5}{8}$	30-2423	.50
16	$\frac{3}{4}$	$1\frac{5}{8}$	30-2424	.75
<b>WORKING VOLTAGE 450</b>				
4	$\frac{11}{16}$	$1\frac{5}{8}$	30-2425	.55
8	$\frac{11}{16}$	$1\frac{5}{8}$	30-2426	.60
12	$\frac{11}{16}$	$1\frac{5}{8}$	30-2427	.75
16	$\frac{7}{8}$	$2\frac{1}{8}$	30-2428	.90
20	$\frac{11}{16}$	$2\frac{1}{8}$	30-2429	1.00

### "LITTLE MIKE"—DUAL CAPACITY

Cap. Mfd.	Working Voltage	Diameter	Length	Part Number	List Price
8-8	450	1	$2\frac{3}{8}$	30-2432	\$1.00
8-16	250	$\frac{3}{4}$	$2\frac{7}{8}$	30-2434	1.10
8-16	450	1	$2\frac{5}{8}$	30-2433	1.35
10-10	50	$\frac{5}{8}$	$2\frac{3}{8}$	30-2430	.65
16-16	200	$\frac{7}{8}$	$2\frac{3}{8}$	30-2431	1.05



# Entirely New Service Method FOR TESTING CONDENSERS



## PHILCO Condenser Tester MODEL 010

### Another PHILCO First!

- ACCURATE
- FAST
- DIRECT READING
- INEXPENSIVE

A new condenser meter and tester for checking all values from 20 mmf. to 32 mfd. No batteries or tubes—simply plugs into A.C. power supply. Bridge type circuit balances unknown capacity. Uses 60 cycle signal through any A.C. meter or head-phones, simply adjust pointer for minimum signal and read capacity directly on calibrated scale.

A high-quality PHILCO instrument designed, manufactured, and tested under PHILCO engineering supervision.

One of the most useful and needed test instruments ever devised—and well within the price range of every serviceman. See the revolutionary new Model 010 PHILCO condenser meter at your PHILCO distributor now.

**NET  
DEALER PRICE**

*Only*  
**\$630**

**PHILCO RADIO & TELEVISION CORPORATION**



# PHILCO

REG. U. S. PAT. OFF.



## General Replacement ELECTROLYTIC CONDENSERS

ALL TYPES — Wet and Dry — a complete selection of capacities, mountings, casings and terminal arrangements.

The complete condenser listings in this folder enable you to have the advantage of Philco quality electrolytics not only for your Philco radio needs, but for all radio receivers. The use of these reliable electrolytic condensers—which cost you no more—assures continued satisfactory radio performance for your customers.

### MIDGET ELECTROLYTIC CONDENSERS

#### DRY TYPES

##### METAL CASE—WITH LEADS

##### WORKING VOLTAGE—250 VOLTS

Cap.	Dimensions	Type Mtg.	Part No.	List Price
4....	2 $\frac{1}{4}$ x 1.....	9	30-2337.	<b>\$.70</b>
8....	2 $\frac{1}{4}$ x 1.....	9	30-2338.	.80
12....	2 $\frac{1}{4}$ x 1.....	9	30-2339.	.90

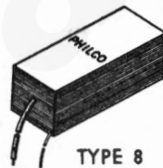
##### WORKING VOLTAGE—450 VOLTS

4....	2 $\frac{1}{4}$ x 1.....	9	30-2340.	<b>\$.80</b>
8....	2 $\frac{1}{4}$ x 1.....	9	30-2341.	.90
12....	2 $\frac{1}{4}$ x 1.....	9	30-2342.	1.00

##### CARDBOARD CONTAINER—WITH LEADS

##### WORKING VOLTAGE—25 VOLTS

Cap.	Dimensions	Type Mtg.	Part No.	List Price
4....	2 $\frac{1}{2}$ x $\frac{1}{2}$ .....	9	30-2089.	<b>\$.65</b>
25....	2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ .....	9	30-2086.	.90
10-10.	2 $\frac{1}{16}$ x $\frac{3}{4}$ x 1...	8	30-2113.	.95



TYPE 8



TYPE 9



TYPE 13

##### WORKING VOLTAGE—50 VOLTS

Cap.	Dimensions	Type Mtg.	Part No.	List Price
16....	2 $\frac{1}{2}$ x 1 $\frac{1}{4}$ .....	9	30-2087.	<b>\$.85</b>
25....	3 $\frac{1}{8}$ x 1 $\frac{1}{4}$ .....	9	30-2085.	.95

##### WORKING VOLTAGE—250 VOLTS

4....	2 $\frac{3}{8}$ x 1 $\frac{1}{16}$ x 1 $\frac{1}{16}$	13	30-2042.	<b>\$.70</b>
6....	2 $\frac{3}{8}$ x 1 $\frac{1}{16}$ x 1 $\frac{1}{16}$	13	30-2043.	.85
8....	2 $\frac{3}{4}$ x 1 x 1.....	8	30-2221.	.95
8....	2 $\frac{3}{8}$ x 1 $\frac{1}{16}$ x 1 $\frac{1}{16}$	13	30-2059.	.95
8....	2 $\frac{1}{4}$ x $\frac{7}{8}$ .....	9	30-2222.	.95
10....	2 $\frac{3}{8}$ x 1 $\frac{3}{8}$ x 1 $\frac{1}{8}$ .	13	30-2044.	1.05

##### WORKING VOLTAGE—350 VOLTS

8....	2 $\frac{5}{8}$ x 1 x 1.....	8	30-2164.	<b>\$1.00</b>
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##### WORKING VOLTAGE—450 VOLTS

8....	2 $\frac{3}{4}$ x 1.....	9	30-2205.	<b>\$1.05</b>
8....	2 $\frac{3}{4}$ x 1 x 1.....	8	30-2220.	1.05
*8-8..	2 $\frac{5}{8}$ x 1 $\frac{3}{16}$ x 1 $\frac{1}{8}$	8	30-2206.	1.60
†8-8..	2 $\frac{5}{8}$ x 1 $\frac{3}{16}$ x 1 $\frac{1}{8}$	8	30-2234.	1.60

\*Common Negative.  
†Common Positive.



# STANDARD TYPES



TYPE 1

## SINGLE SECTION—WET—METAL CASE WITH LUGS

The Wet Electrolytic Condensers listed, with the exception of those marked with an asterisk, are designed for operation in any part of a filter network and are particularly recommended for circuits with an A.C. component.

Special treatment of the inside surface of the container prevents the A.C. component from causing a formation on the metal surface which causes corrosion.

### WORKING VOLTAGE—150 VOLTS

Cap.	Dimensions	Type Mtg.	Part No.	List Price
16	4 1/2 x 1 3/8	2	30-2124	\$0.75
16	3 3/8 x 1 3/8	2	30-2246	.75
20	3 7/16 x 1	3	30-2245	.95
40	3 15/16 x 1 3/8	2	30-2237	1.00

### WORKING VOLTAGE—350 VOLTS

12	4 7/16 x 1 3/8	2	30-2075	\$1.00
16	3 15/16 x 1 3/8	2	30-2212	1.05

### WORKING VOLTAGE—400 VOLTS

8	2 15/16 x 1 3/8	3	30-2330	\$0.90
16	4 x 1 3/8	2	30-2194	1.20
18	4 x 1 3/8	2	30-2335	1.35

### WORKING VOLTAGE—430 VOLTS

6	4 1/2 x 1 3/8	2	7556	\$0.95
6	4 1/2 x 1 3/8	2	8166	.90
8	4 1/2 x 1 3/8	2	30-2023	1.00
10	4 7/16 x 1 3/8	3	30-2060	1.15
14	4 7/16 x 1 1/2	2	30-2061	1.25

### WORKING VOLTAGE—450 VOLTS

4	4 x 1	3	30-2236	\$0.90
6	4 1/2 x 1 3/8	2	30-2021	1.00
12	4 x 1 3/8	2	30-2235	1.20

### WORKING VOLTAGE—475 VOLTS

6	4 7/16 x 1 3/8	3	30-2057	\$1.05
8	4 1/2 x 1 3/8	2	30-2024	1.00
8	4 1/2 x 1 3/8	2	30-2025	1.20
8	3 15/16 x 1 3/8	2	30-2211	1.10
12	5 x 1 3/8	2	30-2117	1.25
12	3 15/16 x 1 3/8	2	30-2210	1.25
18	3 15/16 x 1 3/8	2	30-2200	1.50
25	4 15/16 x 1 1/2	2	30-2219	1.60

### WORKING VOLTAGE—500 VOLTS

4	4 7/16 x 1 3/8	3	30-2056	\$1.00
4	4 x 1 3/8	2	30-2174	1.00
8	4 1/2 x 1 3/8	2	30-2026	1.25
8	4 7/16 x 1 3/8	3	30-2058	1.25

## REGULATING TYPE

The Regulating Type Wet Electrolytic Condensers are particularly valuable in circuits with a high surge or peak voltage. They reduce the voltage in the circuit and protect the associated equipment.

### WORKING VOLTAGE—250 VOLTS

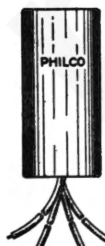
4	2 15/16 x 1	3	30-2334	\$0.70
16	2 15/16 x 1 3/8	3	30-2331	.85
25	3 7/16 x 1 3/8	3	30-2333	1.00



TYPE 2



TYPE 3



TYPE 4

## SINGLE SECTION—DRY—METAL CASE WITH LUGS

These condensers are hermetically sealed and will withstand high temperature and humidity conditions. Their characteristics remain constant in all humid conditions. The condensers are supplied in lug and lead type connections and clamp or stud mountings.

### WORKING VOLTAGE—50 VOLTS

Cap.	Dimensions	Type Mtg.	Part No.	List Price
†5	3 x 1 3/8	5	30-2132	\$0.70
10	1 11/16 x 1	6	30-2012	.90
§10	1 11/16 x 1	7	30-2003	.90

### WORKING VOLTAGE—100 VOLTS

50	4 3/4 x 1 3/8	1	30-2128	1.80
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### WORKING VOLTAGE—150 VOLTS

3	2 3/4 x 1 3/8	1	30-2158	.75
4	2 3/4 x 1	3	30-2151	.80
12	2 11/16 x 1	1	30-2001	1.15

### WORKING VOLTAGE—200 VOLTS

†4	2 11/16 x 1	1	30-2144	1.00
8	3 3/16 x 1	1	30-2000	1.00

### WORKING VOLTAGE—250 VOLTS

4	2 11/16 x 1	1	30-2007	\$0.80
6	3 7/16 x 1	3	30-2052	.95
8	3 7/16 x 1	3	30-2053	1.05
10	4 7/16 x 1	3	30-2054	1.20

### WORKING VOLTAGE—350 VOLTS

16	4 3/4 x 1 3/8	1	30-2126	\$1.65
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### WORKING VOLTAGE—450 VOLTS

4	2 3/4 x 1 3/8	6	7441	\$0.90
4	3 3/4 x 1 3/8	1	30-2098	.90
6	3 3/4 x 1 3/8	1	8095	1.10
6	3 3/16 x 1	1	30-2097	1.10
6	4 1/8 x 1	3	30-2048	1.10
8	4 7/16 x 1 3/8	3	30-2049	1.15
8	4 5/8 x 1	1	30-2108	1.15
10	4 7/8 x 1 3/8	6	8022	1.40
10	4 7/8 x 1 3/8	1	30-2094	1.40
12	4 7/8 x 1 3/8	1	30-2091	1.60
12	4 7/16 x 1 3/8	3	30-2092	1.60

### WORKING VOLTAGE—475 VOLTS

8	4 3/4 x 1 3/8	1	30-2014	\$1.50
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### SPECIAL INSULATION

### WORKING VOLTAGE—500 VOLTS

8	5 1/4 x 1 3/8	1	30-2069	\$1.90
12	5 3/4 x 1 3/8	1	30-2131	2.40

## SINGLE SECTION—DRY—WITH LEADS

### WORKING VOLTAGE—150 VOLTS

3	2 3/8 x 1	11	30-2346	\$0.90
16	3 3/4 x 1 3/8	4	30-2277	1.25
20	4 15/16 x 1	12	30-2275	1.55
40	4 13/16 x 1 3/8	4	30-2256	1.75

### WORKING VOLTAGE—200 VOLTS

16	2 7/8 x 1 3/8	11	30-2356	\$1.25
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### WORKING VOLTAGE—475 VOLTS

25	6 x 1 3/8	4	30-2228	\$2.50
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## CARDBOARD CONTAINER—DRY—WITH LEADS

### WORKING VOLTAGE—450 VOLTS

4	4 1/8 x 1 3/8 x 5/8	13	30-2054	\$0.80
6	4 3/8 x 1 3/8 x 7/8	13	30-2065	.95
8	4 3/8 x 1 3/8 x 7/8	13	30-2066	1.05
10	4 3/8 x 1 3/8 x 1 3/8	13	30-2038	1.25

†Semi-Polarized.  
‡Non-Polarized.  
§Case -, Lug -.

# DRY ELECTROLYTIC CONDENSERS—Multiple Sections

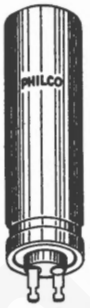
## METAL CASE—COMMON NEGATIVE

### COMMON NEGATIVE (CASE NEGATIVE) WITH LUGS

Cap.	Working Volts	Dimensions	Type Mtg.	Part No.	List Price
1-4	450-450	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2104	\$1.45
4-4	400-300	2 $\frac{13}{16}$ x 1 $\frac{3}{8}$	5	30-2170	1.50
4-8	350-350	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2107	1.60
4-8	300-450	3 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2129	1.65
4-8	450-50	4 $\frac{3}{8}$ x 1 $\frac{3}{8}$	6	30-2167	1.50
8-2	200-200	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2171	1.75
8-8	200-200	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2138	1.75
8-8	475-475	5 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2079	2.00
8-10	475-50	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2046	1.75
8-10	475-100	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2123	1.80
8-10	100-25	2 $\frac{11}{16}$ x 1	5	30-2143	1.25
10-10	25-25	2 $\frac{3}{16}$ x 1	7	30-2106	1.05
10-10	150-25	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2125	1.25
12-3	100-100	2 $\frac{11}{16}$ x 1	5	30-2002	1.30
12-6	150-150	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2083	1.45
20-10	150-25	3 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2166	1.60
20-10	475-50	5 $\frac{3}{8}$ x 1 $\frac{3}{8}$	5	30-2163	2.00
1-1-2	300-350-300	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2029	1.85
2-1-1	300-450-450	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2080	1.85
2-2-1	300-450-450	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2114	1.85
2-8-10	475-475-50	4 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2062	2.00
3-1-2	450-350-250	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2122	1.85
3-3-2	475-475-250	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2159	1.85
4-2-2	150-100-150	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2162	1.50
4-8-2	150-100-150	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2127	1.60
8-2-2	150-100-150	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2161	1.60
8-3-2	475-475-300	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2169	1.75
8-8-10	475-475-50	5 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2073	2.35
10-4-10	150-150-25	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2147	1.85
16-16-10	150-150-25	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2148	2.00
2-1-1-2	450-450-450-200	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2130	2.15
2-1-1-3	300-350-350-450	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	5	30-2121	2.50

### COMMON NEGATIVE—CASE UNGROUNDED

Cap.	Working Volts	Dimensions	Type Mtg.	Part No.	List Price
4-8	150-150	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2157	\$1.30
4-8	350-350	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	6	30-2030	1.60
4-8	450-450	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	6	30-2013	1.60
10-10	150-25	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	5	30-2173	1.25



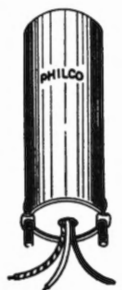
TYPE 5



TYPE 6



TYPE 7



TYPE 11

# DRY ELECTROLYTIC CONDENSERS — Multiple Sections

COMMON NEGATIVE AND POSITIVE TYPES—LUGS AND LEADS

## METAL CASE—WITH LEADS

### COMMON NEGATIVE TYPE

Cap.	Working Volts	Dimensions	Type Mtg.	Part No.	List Price
3-4	475-400	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	4	30-2243	\$1.50
3-6	150-150	2 $\frac{1}{2}$ $\frac{5}{16}$ x 1	11	30-2348	1.15
4-2	450-450	4 $\frac{1}{2}$ x 1	12	30-2265	1.60
8-4	475-350	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	4	30-2217	1.70
8-4	450-450	3 $\frac{7}{8}$ x 1 $\frac{3}{8}$	11	30-2323	1.60
8-4	450-450	3 $\frac{3}{4}$ x 2 x 1	10	30-2149	1.60
8-8	475-350	4 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2291	1.80
8-10	475-50	3 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2201	1.70
8-10	475-50	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	4	30-2230	1.70
8-10	475-10	3 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2176	1.50
12-10	450-50	4 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2263	1.75
16-16	150-150	5 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2203	1.60
*16-16	200-200	4 $\frac{1}{2}$ $\frac{13}{16}$ x 1 $\frac{3}{8}$	4	30-2251	1.75
16-16	200-200	5 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2268	1.75
20-10	475-50	5 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2183	2.00
20-10	475-50	5 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2259	2.00
2-2-1	450-300-450	2 $\frac{9}{16}$ x 1 $\frac{3}{8}$	4	30-2177	1.75
4-2-2	150-150-100	2 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2241	1.50
8-3-2	475-475-300	4 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2249	1.75
8-4-10	400-400-25	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	4	30-2213	1.75
8-6-8	475-475-300	6 x 1 $\frac{3}{8}$	4	30-2232	2.25
8-8-10	475-475-50	5 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2192	2.25
16-16-10	150-150-25	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	4	30-2239	2.00
1-1-2-2	450-450-450	4 $\frac{1}{4}$ x 1 $\frac{3}{8}$	4	30-2247	2.25
10	300-50				
†4-2-8-8	200-200-200	5 $\frac{3}{4}$ x 1 $\frac{3}{8}$	4	30-2226	3.00
200					

## CARDBOARD CONTAINER—WITH LEADS

Cap.	Working Volts	Dimensions	Type Mtg.	Part No.	List Price
4-4	350-350	3 $\frac{3}{8}$ x 1 $\frac{3}{8}$	13	30-2311	\$1.25
†8-8	450-450	2 $\frac{3}{4}$ x 1 $\frac{1}{4}$ x 1 $\frac{3}{8}$	8	30-2234	1.60

\*Common Positive.  
†Non-Polarized.

‡Case—4  
§Case—8

## METAL CASE—WITH LUGS

### COMMON POSITIVE TYPE WORKING VOLTAGE—350 VOLTS

Cap.	Working Volts	Dimensions	Type Mtg.	Part No.	List Price
‡4-4	350-350	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	6	30-2257	\$1.50
‡4-8	350-350	4 $\frac{3}{8}$ x 1 $\frac{3}{8}$	6	30-2258	1.60
§4-8	350-350	3 $\frac{1}{4}$ x 1 $\frac{3}{8}$	6	30-2316	1.60
8-8	350-350	4 $\frac{3}{8}$ x 1 $\frac{3}{8}$	5	30-2152	1.75

## Substitute List of

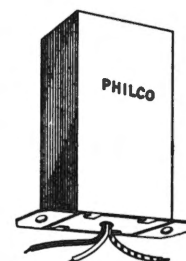
### PHILCO Electrolytic Condensers

A number of substitute electrolytics are listed below. In these cases the later number listed under the column "Substitute" is the latest part supplied, and is used as a sub for the earlier number because of greater desirability from an electrical or mechanical standpoint.

Original	Substitute
7558	30-2211
30-2011	30-2069
30-2022	30-2023
30-2028	30-2079
30-2045	30-2046
30-2071	30-2004
30-2088	30-2055
30-2093	30-2092
30-2118	30-2194
30-2133	30-2169
30-2135	30-2134
30-2150	30-2316
30-2168	30-2316
30-2179	30-2316
30-2257	30-2315
30-2295	30-2316



TYPE 12



TYPE 10

PHILCO PARTS AND SERVICE DIVISION, PHILADELPHIA, PA.





# PHILCO

REG. U. S. PAT. OFF.



## TUBULAR BY-PASS CONDENSERS

The exacting design specifications of PHILCO Condensers, plus the use of the highest quality materials and engineering control of manufacture, assure a dependable condenser that will operate to maximum efficiency.

**Wax and Oil Impregnated Foils**  
**Non Inductive . . . Moisture-Proof**  
**Outside Cover Treated with Special Wax**  
**Leads Securely Attached**

### Working Voltage—200 Volts, D.C.

Capacity M.F.D.	WAX IMPREGNATED Dimensions		Part No.	List Price
	L	D		
.001	1 1/2"	3/8"	30-4592	.15
.0015	1 1/8"	3/8"	30-4555	.15
.002	1 1/8"	3/8"	30-4597	.15
.003	1 1/4"	3/8"	30-4580	.15
.004	1 1/4"	3/8"	30-4334	.15
.006	1 1/4"	3/8"	30-4583	.15
.0065	1 1/4"	3/8"	30-4577	.15
.01	1 1/4"	3/8"	30-4581	.15
.015	1 1/16"	5/16"	30-4529	.15
.02	1 1/4"	7/16"	30-4584	.15
.03	1 1/4"	5/16"	30-4585	.15
.05	1 1/4"	7/16"	30-4519	.15
.06	1 1/2"	7/16"	30-4373	.15
.10	1 1/2"	1/2"	30-4586	.20
.15	1 9/16"	23/32"	30-4593	.20
.20	1 3/4"	9/16"	30-4587	.20
.25	2"	5/8"	30-4588	.25
.30	2"	1 1/16"	30-4465	.25
.50	2"	3/4"	30-4590	.30

### Working Voltage—400 Volts, D.C.

Capacity M.F.D.	WAX IMPREGNATED Dimensions		Part No.	List Price
	L	D		
.002	1 1/8"	3/8"	30-4579	.15
.004	1 1/4"	3/8"	30-4578	.15
.006	1 1/4"	3/8"	30-4591	.15
.008	1 1/4"	3/8"	30-4112	.15
.01	1 1/16"	3/8"	30-4572	.15
.015	1 9/16"	1/2"	30-4515	.15
.02	1 1/4"	7/16"	30-4516	.15
.03	1 1/2"	7/16"	30-4517	.15
.04	1 1/2"	7/16"	30-4119	.15
.05	1 1/2"	7/16"	30-4518	.15
.06	1 1/2"	1/2"	30-4114	.20
.08	1 1/2"	1/2"	30-4115	.20
.10	1 1/2"	9/16"	30-4527	.20
.13	1 3/4"	9/16"	30-4508	.25
.15	1 3/4"	9/16"	30-4600	.25
.20	1 3/4"	9/16"	30-4594	.25
.25	2"	5/8"	30-4589	.25
.50	2"	15/16"	30-4528	.35

### Working Voltage—600 Volts, D.C.

Capacity M.F.D.	WAX IMPREGNATED Dimensions		Part No.	List Price
	L	D		
.003	1 3/8"	3/8"	30-4582	.15
.006	1 3/8"	3/8"	30-4504	.15
.01	1 3/8"	3/8"	30-4501	.15
.02	1 5/8"	1/2"	30-4599	.15
.03	1 5/8"	1/2"	30-4520	.20
.05	1 5/8"	9/16"	30-4454	.20
.10	2 1/8"	5/8"	30-4289	.25
.25	2 1/2"	15/16"	30-4426	.35
.50	2 1/2"	1 1/8"	30-4427	.50
.05			30-4602	

### Working Voltage—1000 Volts, D.C.

Capacity M.F.D.	OIL IMPREGNATED Dimensions		Part No.	List Price
	L	D		
.0008	1 3/8"	3/8"	30-4335	.20
.001	1 1/2"	3/8"	30-4310	.20
.00125	1 3/8"	3/8"	30-4336	.20
.002	1 3/8"	3/8"	30-4177	.20
.003	1 1/4"	7/16"	30-4469	.20
.004	1 3/8"	7/16"	30-4185	.20
.006	1 5/8"	7/16"	30-4024	.20
.008	1 5/8"	7/16"	30-4317	.20
.01	1 5/8"	1/2"	30-4598	.20
.015	1 11/16"	9/16"	30-4552	.20
.02	2"	9/16"	30-4419	.25
.03	2 1/8"	5/8"	30-4560	.30
.05	2 1/8"	13/16"	30-4428	.35
.10	2 1/2"	15/16"	30-4429	.40
.001			30-4601	

### Working Voltage—1200 Volts, D.C.

Capacity M.F.D.	Dimensions		Part No.	List Price
	L	D		
.001	1 3/8"	3/8"	30-4453	.25

### Working Voltage—1500 Volts, D.C.

Capacity M.F.D.	Dimensions		Part No.	List Price
	L	D		
.0075	1 5/8"	5/8"	30-4420	.25

### \* Working Voltage—1600 Volts, D.C.

Capacity M.F.D.	Dimensions		Part No.	List Price
	L	D		
.004	1 1/2"	9/16"	30-4525	.30
.006	1 11/16"	9/16"	30-4512	.30

\* Recommended for Auto Radio Vibrator Circuits

# PHILCO MICA CONDENSERS

(Moulded in Bakelite)

These Philco Mica Condensers are particularly recommended as R.F. and I.F. by-pass condensers, grid and plate blocking condensers, and for all high frequency circuit uses.

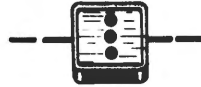
Each type of condenser is listed in groups of standard tolerance and close tolerance ratings. The standard tolerance condensers are for use in ordinary service work. The close

tolerance condensers are extremely accurate and are for use in critical vacuum tube circuits such as oscillators, tuning, R.F., I.F., and push-button tuners where close tolerance in capacity is needed.

The majority of the condensers listed are color coded for capacity identification. The remainder have the capacity stamped on the casing.



**TYPE 1**  
Body Size 1 3/4"  
Tinned  
Copper Lugs



**TYPE 3**  
Body Size 3/8"  
Tinned  
Copper Leads



**TYPE 5**  
Body Size 3/4"  
Tinned  
Copper Leads

Standard Tolerance		
Capacity Mmfd.	Part No.	List Price
400	30-1014	\$0.20
500	3910	.25
900	30-1015	.25
*1,000	6773	.30
2,000	4059	.35
*2,000	6853	.40
3,000	6009	.40
4,700	30-1052	.50
6,000	6359	.60
Close Tolerance		
2,000	30-1042	.35
2,250	30-1055	.40
2,500	30-1026	.40
3,000	7301	.45
4,000	30-1071	.55
5,200	30-1058	.55
6,000	30-1043	.65

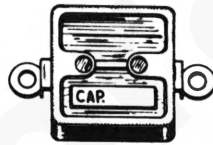
Standard Tolerance		
Capacity Mmfd.	Part No.	List Price
±35	30-1048	\$0.20
110	30-1006	.15
250	30-1056	.20
250	5858	.20
500	30-1086	.20
700	5863	.25
800	5878	.25
1,000	30-1007	.25
1,150	30-1081	.25
1,400	30-1062	.30
2,200	30-1057	.35
4,000	30-1084	.45
6,000	30-1001	.60
Close Tolerance		
325	30-1004	.25
410	30-1000	.25
600	30-1064	.30
765	30-1069	.30
900	30-1060	.30
1,000	30-1063	.30
1,250	5886	.35
1,500	7139	.35
1,650	5877	.35
2,675	30-1085	.40
2,700	30-1096	.40
3,000	30-1028	.45
3,250	30-1061	.45
3,500	30-1094	.45
4,500	30-1109	.55

Standard Tolerance		
Capacity Mmfd.	Part No.	List Price
5	30-1083	\$0.15
5	30-1097	.15
5	30-1120	.15
8	30-1106	.15
10	30-1065	.15
15	30-1030	.15
15	61-0038	.15
25	30-1067	.15
25	30-1108	.15
30	30-1059	.15
35	30-1044	.15
50	30-1029	.15
50	30-1101	.15
70	30-1068	.15
70	30-1117	.15
75	30-1053	.15
110	30-1031	.15
130	30-1088	.15
130	30-1088	.15
130	30-1050	.20
130	30-1033	.15
250	61-0034	.20
250	30-1074	.25
250	30-1119	.20
250	61-0033	.20
500	30-1114	.20
600	30-1049	.25
Close Tolerance		
10	30-1091	.20
17	61-0048	.20
19	30-1090	.20
30	30-1039	.20
40	30-1095	.20
45	30-1034	.20
55	30-1045	.20
60	30-1040	.20
70	30-1105	.20
70	30-1107	.20
80	30-1082	.20
90	30-1046	.20
100	30-1102	.20
100	30-1035	.20
130	30-1036	.20
150	30-1041	.20
235	30-1037	.25
250	30-1038	.25
250	30-1099	.25
410	30-1093	.25
550	30-1092	.25



**TYPE 2**  
Body Size 1 1/4"  
Tinned  
Copper Lugs

Standard Tolerance		
Capacity Mmfd.	Part No.	List Price
25	6897	\$0.15
30	30-1008	.15
35	4990	.15
50	4587	.15
70	30-1010	.15
80	30-1011	.15
100	30-1012	.15
110	4519	.15
200	30-1013	.20
250	3082	.20
300	8311	.20
410	5120	.20
600	6898	.25
800	6021	.25
1,000	5215	.25
1,800	6022	.30
Close Tolerance		
110	30-1005	.20
410	30-1027	.25



**TYPE 4**  
Body Size 1 3/4"  
Tinned  
Copper Lugs

Standard Tolerance		
Capacity Mmfd.	Part No.	List Price
4,000	30-1016	\$0.45
5,000	30-1017	.50
6,000	5981	.60
8,000	30-1018	.75
10,000	30-1019	.75

\*2,000 volts  
†1,500 volts  
‡1,000 volts

## Substitute List of PHILCO TUBULAR CONDENSERS

## Substitute MICA CONDENSERS

200 VOLTS Inter-changeable		200 VOLTS Inter-changeable		400 VOLTS Inter-changeable		400 VOLTS Inter-changeable		1000 VOLTS Inter-changeable	
Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.
30-4020	30-4519	30-4467	30-4583	30-4025	30-4517	30-4455	30-4527	30-4042	30-4469
30-4122	30-4586	30-4479	30-4581	30-4113	30-4516	30-4456	30-4578	30-4051	30-4598
30-4124	30-4581	30-4491	30-4590	30-4117	30-4528	30-4481	30-4516	30-4381	30-4598
30-4146	30-4588	30-4498	30-4593	30-4125	30-4591	30-4505	30-4600		
30-4191	30-4593	30-4499	30-4586	30-4134	30-4589	30-4514	30-4572		
30-4215	30-4584	30-4569	30-4519	30-4169	30-4572				
30-4227	30-4590	30-4530	30-4593	30-4170	30-4527				
30-4327	30-4519	30-4536	30-4587	30-4226	30-4515				
30-4358	30-4529	30-4551	30-4590	30-4445	30-4591				
30-4444	30-4519	30-4571	30-4593	30-4448	30-4589				
30-4446	30-4588			30-4449	30-4517				
600 VOLTS		600 VOLTS		600 VOLTS		600 VOLTS		1200 VOLTS	
Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.
								30-4201	30-4453
1500 VOLTS		1500 VOLTS		1500 VOLTS		1500 VOLTS		1500 VOLTS	
Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.

Original Part No.	Substitute Part No.	Original Part No.	Substitute Part No.
5120	30-1027	30-1066	30-1082
5858	30-1056	30-1067	30-1108
6009	7301	30-1068	30-1117
6359	30-1043	30-1070	30-1040
7007	30-1062	30-1079	30-1090
30-1007	30-1063	30-1083	30-1120
30-1028	7301	30-1089	30-1093
30-1029	30-1101	30-1097	30-1120
30-1031	30-1118	30-1100	30-1037
30-1032	30-1099	30-1103	30-1036
30-1033	30-1041	30-1107	30-1105
30-1035	30-1102	30-1124	30-1065
30-1038	30-1099	61-0033	30-1119
30-1059	30-1039	61-0038	30-1030

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# PHILCO

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## UNIVERSAL BAKELITE CONDENSERS

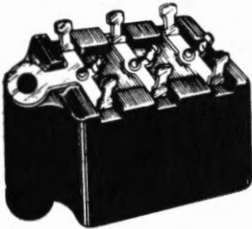
*An Exclusive Philco Product Known the World Over for Trouble-Free Service*

Here is a complete list of the World Famous Philco Black Bakelite Condensers in a wide variety of capacity and voltage ratings. Guaranteed moisture-proof, the condenser element being vacuum impregnated and pitch-sealed in a moisture-proof bakelite housing.

A condenser will be found listed here for every

circuit need, single and dual capacities, high and low voltage ratings, grounded or ungrounded mounting lug to which condenser is attached.

The grounded and ungrounded condensers can be identified by the last letter of the part number—(G) being grounded and (U) ungrounded.



Working Voltage 200			
Capacity in Mfd. Wiring Lugs See Fig. 1		Part No.	List Price
1 & 3	1 & 2		
.04	.04	8327-DU	\$0.40
.1	..	4989-SU	.35
.1	..	4989-OSG	.35
.1	.01	4989-FG	.40
.1	.01	4989-OFU	.40
.1	.05	4989-CU	.40
.1	.1	4989-ODG	.40
.1	.1	4989-ODU	.40
.1	.15	4989-HG	.40
.15	..	6287-SG	.35
.15	..	6287-SU	.35
.15	.05	6287-CU	.40
.15	.15	6287-ODG	.40
.15	.15	6287-ODU	.40

Working Voltage 400			
Capacity in Mfd. Wiring Lugs See Fig. 1		Part No.	List Price
1 & 3	1 & 2		
.03	..	8318-OSU	\$0.35
.03	..	8318-SG	.35
.03	.03	8318-DU	.40
.03	.03	8318-ODG	.40
.05	..	3615-OSG	.35
.05	..	3615-OSU	.35
.05	.0014	3615-XG	.40
.05	.03	3615-YU	.40
.05	.05	3615-ODG	.40
.05	.05	3615-ODU	.40

Working Voltage 1000			
Capacity in Mfd. Wiring Lugs See Fig. 1		Part No.	List Price
1 & 3	1 & 2		
.00025	..	8317-SU	\$0.25
.00025	..	8317-OSG	.25
.00025	.00025	8317-DU	.30
.00025	.00025	8317-ODG	.30
.002	..	7296-SG	.25
.002	..	7296-SU	.25
.002	.002	7296-DG	.30
.002	.002	7296-ODU	.30
.005	..	7442-SG	.25
.005	..	7442-OSU	.25
.005	.005	7442-DG	.30
.006	..	7625-SG	.25
.006	..	7625-SU	.25
.006	.006	7625-DG	.30
.006	.006	7625-ODU	.30

Working Voltage 600			
Capacity in Mfd. Wiring Lugs See Fig. 1		Part No.	List Price
1 & 3	1 & 2		
.003	..	8320-OSG	\$0.25
.003	..	8320-OSU	.25
.003	.003	8320-DG	.30
.003	.003	8320-DU	.30
.008	..	8325-SU	.25
.008	.008	8325-DU	.30
.01	..	3903-OSG	.25
.01	..	3903-OSU	.25
.01	.006	3903-LU	.30
.01	.01	3903-ODU	.30
.01	.01	3903-ODG	.30
.03	..	8328-SU	.35
.05	..	8326-SG	.35
.05	..	8326-OSU	.35
.015	..	3793-OSU	.35
.015	..	3793-OSG	.35
.015	.015	3793-ODG	.40
.015	.015	3793-ODU	.40
.025	..	7653-OSG	.35
.025	..	7653-OSU	.35
.025	.025	7653-DG	.40
.025	.025	7653-ODU	.40

Working Voltage 1200			
Capacity in Mfd. Wiring Lugs See Fig. 1		Part No.	List Price
1 & 3	1 & 2		
.00011	..	8035-SG	\$0.25
.00011	..	8035-SU	.25
.00011	.00011	8035-ODG	.30
.00011	.00011	8035-ODU	.30
.00011	.015	8035-EU	.30
.001	..	7762-OSU	.25
.001	.001	7762-DG	.30
.001	.001	7762-DU	.30
.001	.011	7762-FU	.30
.001	.015	7762-OEU	.30
.007	..	8174-SG	.25
.007	..	8174-SU	.25
.007	.007	8174-DU	.30
.007	.007	8174-DG	.30

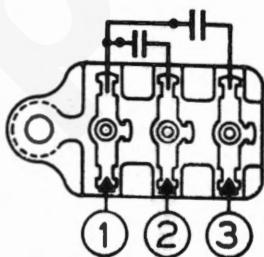


Fig. 1. Universal Wiring



## UNIVERSAL BAKELITE CONDENSERS WITH RESISTORS

LUG ARRANGEMENT—Fig. 2

These combination condenser and resistor units are especially designed for "C" bias circuits.

Cap. Mfd.	Wire Resis. Ohms	Resis. Wiring Lugs	Cond. Wiring Lugs	Part No.	List Price
.05	250	3-5	5-8	3615-K	\$0.40
.05	150	1-7	1-5	3615-Y	.40
.05	250	5-7	1-5	3615-Z	.40
.05	250	3-6	1-6	3615-AS	.40
.09	250	5-7	1-5	4989-E	.40
.09	200	3-8	4-8	4989-L	.40
.09	200	1-7	1-6	4989-W	.40
.09	200	7-8	6-8	4989-AA	.40
.09	300	1-7	1-6	4989-AG	.40
.15	200	2-3	3-6	6287-D	.40
.15	200	1-4	1-3	6287-E	.40

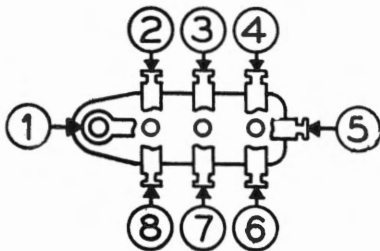


Fig. 2

## UNIVERSAL BAKELITE CONDENSERS

LUG ARRANGEMENT—Fig. 2

Capacity Mfd. Each Section	Cond. Wiring Lugs	Part No.	List Price
.05	5-8	6287-G	\$0.40
.15	7-8		
.15	1-3	6287-K	.40
.09	1-5		
.05	1-4	6287-M	.40
.15	1-3		
.09	2-4	6287-P	.40
.15	...		
.09	...	6287-S	.40
.15	2-6		
.05	1-3	7296-G	.40
.002	1-5		
.01	1-3	7296-H	.30
.002	1-5		
.015	3-4	7625-D	.40
.006	1-4		
.001	2-7	7625-F	.30
.006	2-6		
.0007	1-6	8174-B	.40
.05	1-3		
.10	2-6	8206-B	.35
.03	1-6		
.05	1-7	8318-E	.40
.0014	1-3		
.05	1-6	8322-B	.40
.07	1-7		
.03	1-6	8323-B	.40

## DISCONTINUED BAKELITE CONDENSERS WITH REPLACEMENTS

Original Part No.	Replacement	Original Part No.	Replacement	Original Part No.	Replacement	Original Part No.	Replacement	Original Part No.	Replacement
3615-B	3615-AS	3615-BB	3615-OSU	3793-AE	3793-ODG	3903-AP	3903-OSU	6287-C	6287-D
3615-C	3615-AS	3615-BC	3615-OSG	3793-AF	3793-ODU	3903-AR	3903-OSU	6287-F	6287-ODU
3615-D	3615-OSG	3615-BD	3615-OSU	3793-AG	3793-OSU	3903-AJ	3903-OSU	6287-H	6287-ODG
3615-E	3615-OSU	3615-BE	3615-OSU	3793-AH	3793-SG	4989-B	4989-ODG	6287-J	6287-ODG
3615-F	3615-OSU	3615-BF	3615-OSU	3793-AJ	3793-SG	4989-C	4989-ODG	6287-L	6287-ODU
3615-G	3615-OSU	3615-BG	3615-ODU	3793-AK	3793-ODG	4989-D	4989-SG	6287-R	6287-ODU
3615-H	3615-OSU	3615-BH	3615-OSG	3793-AL	3793-ODG	4989-F	4989-SG	6287-T	6287-ODU
3615-I	3615-OSG	3615-BJ	3615-OSU	3793-AM	3793-OSU	4989-G	4989-ODG	6287-N	6287-S
3615-L	3615-OSG	3615-BK	3615-OSG	3903-F	3903-OSU	4989-H	4989-ODG	7625-B	7625-SU
3615-M	3615-OSU	3615-BL	3615-OSG	3903-G	3903-OSU	4989-I	4989-SU	7625-C	7625-SU
3615-N	3615-OSG	3615-BM	3615-ODG	3903-H	3903-OSU	4989-K	4989-ODU	7625-E	7625-SU
3615-P	3615-AS	3615-BN	3615-ODG	3903-I	3903-OSU	4989-M	4989-ODU	7625-G	7625-SG
3615-R	3615-AS	3615-BP	3615-OSU	3903-J	3903-OSU	4989-N	4989-SG	7625-H	7625-SU
3615-S	3615-OSG	3615-BR	3615-OSU	3903-L	3903-OSU	4989-P	4989-SU	7625-J	7625-SU
3615-U	3615-OSG	3793-B	3793-OSU	3903-M	3903-OSU	4989-T	4989-ODU	7296-B	7296-SU
3615-W	3615-OSG	3793-C	3793-OSU	3903-N	3903-OSU	4989-U	4989-SU	7296-C	7296-SU
3615-X	3615-Y	3793-D	3793-OSU	3903-P	3903-OSU	4989-X	4989-W	7296-D	7296-SG
3615-AA	3615-OSG	3793-E	3793-ODG	3903-R	3903-OSU	4989-Z	4989-ODG	7296-E	7296-DG
3615-AB	3615-OSG	3793-F	3793-OSU	3903-S	3903-DG	4989-AB	4989-SU	7296-F	7296-SG
3615-AC	3615-OSG	3793-G	3793-OSU	3903-T	3903-OSU	4989-AC	4989-ODG	7762-B	7762-OEU
3615-AD	3615-OSU	3793-H	3793-ODG	3903-U	3903-SG	4989-AD	4989-ODG	7762-C	7762-SU
3615-AE	3615-OSG	3793-I	3793-OSU	3903-W	3903-OSU	4989-AE	4989-ODG	7762-D	7762-SU
3615-AF	3615-ODU	3793-K	3793-ODG	3903-X	3903-OSU	4989-AF	4989-ODU	8318-B	8318-SU
3615-AG	3615-OSG	3793-L	3793-ODU	3903-Y	3903-OSU	4989-AH	4989-ODG	8318-C	8318-ODG
3615-AH	3615-OSG	3793-M	3793-ODU	3903-Z	3903-OSU	4989-AJ	4989-SU	7653-B	7653-SU
3615-AJ	3615-ODG	3793-N	3793-OSU	3903-AA	3903-SG	4989-AK	4989-ODG	7653-C	7653-DG
3615-AK	3615-OSG	3793-P	3793-ODU	3903-AB	3903-OSU	4989-AL	4989-ODG	8035-B	8035-ODG
3615-AL	3615-AS	3793-R	3793-ODG	3903-AC	3903-DG	4989-AM	4989-OSG	8035-C	8035-ODG
3615-AM	3615-ODG	3793-S	3793-OSU	3903-AD	3903-OSU	4989-AN	4989-SU	8035-E	8035-ODU
3615-AN	3615-OSG	3793-T	3793-OSU	3903-AE	3903-SG	4989-AP	4989-ODG	8035-F	8035-T
3615-AP	3615-ODG	3793-U	3793-OSU	3903-AF	3903-SG	4989-AR	4989-OSG	8035-G	8035-ODU
3615-AQ	3615-OSG	3793-V	3793-SG	3903-AG	3903-SG	4989-AS	4989-ODU	8035-H	8035-ODG
3615-AW	3615-OSG	3793-X	3793-OSU	3903-AH	3903-SG	4989-AT	4989-OSG	8035-K	8035-ODG
3615-AX	3615-OSU	3793-Y	3793-OSU	3903-AJ	3903-DU	4989-AU	4989-ODU	8035-L	8035-ODG
3615-AY	3615-OSG	3793-Z	3793-SG	3903-AK	3903-DU	4989-AW	4989-ODU	8035-N	8035-ODG
3615-AZ	3615-OSG	3793-AB	3793-OSU	3903-AL	3903-OSU	4989-AX	4989-ODG	8035-R	8035-ODU
3615-BA	3615-ODU	3793-AC	3793-OSU	3903-AM	3903-OSU	4989-AY	4989-ODU	8035-S	8035-ODU
		3793-AD	3793-ODG	3903-AN	3903-OSU	6287-B	6287-SU		

PHILCO PARTS AND SERVICE DIVISION, PHILADELPHIA, PA.

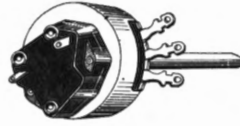


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## General Replacement VOLUME CONTROLS



Precision engineering specifications plus severe laboratory life tests and rigid control of materials in manufacture is the guarantee that Philco Volume Controls will give long trouble-free service and smooth quiet operation.

**NOISELESS OPERATION**—An exclusive new Philco feature incorporated in the controls is the flexible one piece contact disc. This contact disc is shaped to give firm positive contact on the resistance element—and operates on a wiping action

principal that maintains a clean, polished surface on the resistance—resulting in smooth noiseless control of volume throughout the entire arc of rotation.

**EVEN REGULATION**—The taper of the resistance element in every Philco Volume Control assures even regulation from minimum to maximum volume levels. This special taper of the resistance is the result of much investigation and research as to the most desirable taper for controlling volume.

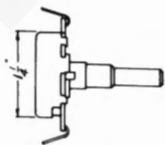
### VOLUME CONTROLS With Power Switches

Resistance Ohms	Type Control	Switch Type Chart B	Shaft Length (Ins.)	Shaft Type Chart A	Part No.	List Price	Resistance Ohms	Type Control	Switch Type Chart B	Shaft Length (Ins.)	Shaft Type Chart A	Part No.	List Price
5000	5	A	2	1	33-5036	\$1.45	350,000	5	A	1 1/8	1	33-5004	\$1.45
8000	5	A	2	1	33-5035	1.45	350,000	5	A	1 3/8	1	33-5025	1.45
10,000	5	A	2	1	33-5081	1.45	500,000	5	A	1 7/8	1	33-5106	1.45
12,000	5	A	2	1	33-5034	1.45	500,000	5	A	1 7/8	1	33-5114	1.45
15,000	2	A	1 1/8	2	33-5152	1.45	500,000	5	B	1 7/8	1	33-5137	1.45
20,000	5	A	2	1	33-5032	1.45	500,000	5	E	1 7/8	1	33-5142	1.45
20,000	5	A	1 7/8	1	33-5011	1.45	500,000	5	A	1 3/2	1	33-5193	1.45
20,000	5	A	1 3/4	1	33-5055	1.45	500,000	5	A	1 5/8	1	33-5252	1.45
20,000	5	A	1 1/2	1	33-5005	1.45	500,000	2	A	1 1/8	2	33-5145	1.45
25,000	5	B	2 3/4	1	7322	1.45	500,000	3	C	1 3/2	1	33-5169	1.45
50,000	5	A	2	1	33-5077	1.45	500,000	2	A	2 7/8	1	33-5198	1.45
100,000	5	B	2 3/4	1	6109	1.45	500,000	4	A	1 3/2	1	33-5230	1.45
100,000	5	A	2	1	33-5031	1.45	500,000	3	B	1 5/8	1	33-5237	1.45
250,000	5	A	2	1	33-5030	1.45	500,000	3	C	1 5/8	1	33-5249	1.45
350,000	2	A	1 5/8	1	33-5140	1.45	500,000	3	B	1 5/8	1	33-5253	1.45
350,000	5	E	1 3/2	1	33-5020	1.45	500,000	2	A	1 3/2	1	33-5254	1.45
350,000	5	E	1 3/2	1	33-5064	1.45	500,000	2	A	3 3/2	5	33-5278	1.45
350,000	5	A	7/8	1	33-5010	1.45	1 Meg.	5	A	2	1	33-5028	1.45
350,000	5	A	1 3/2	1	33-5006	1.45	1 Meg.	5	A	1 3/2	1	6892	1.45
							2 Meg.	5	A	2	1	33-5027	1.45

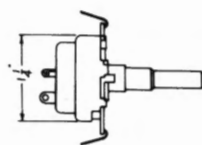
### VOLUME CONTROLS Without Power Switches

Resistance Ohms	Type Control	Shaft Length (Ins.)	*Shaft Type (Chart A)	Part No.	List Price	Resistance Ohms	Type Control	Shaft Length (Ins.)	*Shaft Type (Chart A)	Part No.	List Price
1750	7	1 1/8	1	4056	\$1.00	250,000	5	2	1	33-5044	\$1.00
2000	5	2	1	33-5054	1.00	350,000	1	1 7/8	1	33-5126	1.00
5000	5	2	1	33-5050	1.00	350,000	5	1 7/8	1	33-5007	1.00
5000	1	1 7/8	1	6415	1.00	350,000	5	1 7/8	1	33-5063	1.00
10,000	1	3/8	7	33-5093	1.00	350,000	1	1	1	7050	1.00
10,000	5	2	1	33-5082	1.00	500,000	1	1 3/8	3	33-5157	1.00
12,000	5	2	1	33-5048	1.00	500,000	1	1 3/8	3	33-5165	1.00
20,000	5	2	1	33-5046	1.00	500,000	1	2 3/2	1	33-5234	1.00
20,000	5	1 1/2	1	33-5002	1.00	500,000	7	1 1/8	1	4093	1.40
20,000	5	1 3/4	1	33-5087	1.00	500,000	1	2 3/2	1	33-5215	1.00
20,000	1	1 3/4	1	33-5154	1.00	1 Meg.	5	1	1	6015	1.00
50,000	1	1 7/8	1	33-5206	1.00	1 Meg.	1	1	1	6499	1.00
50,000	1	7/8	1	33-5238	1.00	1 Meg.	5	2	1	33-5042	1.00
50,000	5	2	1	33-5078	1.00	1 Meg.	1	3/4	1	33-5250	1.00
100,000	5	2	1	33-5045	1.00	2 Meg.	5	2	1	33-5041	1.00

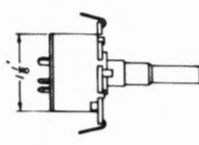
\* See Chart A for style of volume control shaft.



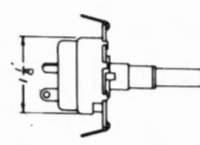
Type 1



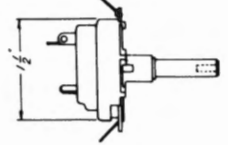
Type 2



Type 3

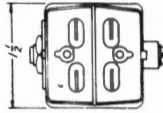


Type 4



Type 5

# PHILCO



# VOLUME CONTROLS

Type 6  
Multiple Section

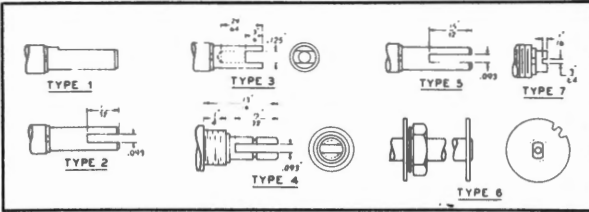
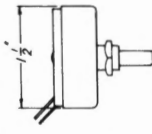


Chart "A." Chart A indicates the shape of shaft.



Type 7  
Without Power Switch

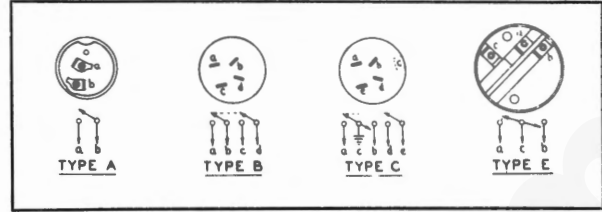


Chart "B." Indicates the type of power switch

## TAPPED CONTROLS

Resistance Ohms	Type Control	Shaft Length	Shaft Type (Chart A)	Tap	Part No.	List Price	Resistance Ohms	Type Control	Shaft Length	Shaft Type (Chart A)	Tap	Part No.	List Price
350,000	1	1 1/4	1	40,000	8054	\$1.00	2 Megs.	1	1 1/8	1	1 Meg.	33-5224	\$1.00
350,000	5	1 3/8	1	75,000	33-5069	1.00	2 Megs.	1	3 3/4	1	1 Meg.	33-5225	1.00
350,000	5	1 7/8	1	75,000	33-5000	1.00	2 Megs.	1	3 3/4	1	1 Meg.	33-5228	1.00
500,000	1	1 3/8	1	250,000	33-5289	1.00	2 Megs.	1	2 3/8	1	1 Meg.	33-5232	1.00
2 Megs.	1	1 3/8	3	1 Meg.	33-5158	1.00	2 Megs.	1	2 3/8	1	1 Meg.	33-5233	1.00
2 Megs.	1	1 3/8	3	1 Meg.	33-5166	1.00	2 Megs.	1	1 3/8	1	1 Meg.	33-5275	1.00
2 Megs.	1	2 3/8	1	1 Meg.	33-5216	1.00	2 Megs.	1	7/8	6	1 Meg.	33-5286	1.00

## TAPPED CONTROLS WITH POWER SWITCHES

Resistance Ohms	Type Control	Switch Type	Shaft Length	Shaft Type (Chart A)	Tapped at Ohms	Part No.	List Price	Resistance Ohms	Type Control	Switch Type	Shaft Length	Shaft Type (Chart A)	Tapped at Ohms	Part No.	List Price
350,000	5	A	1 3/8	1	40,000	33-5014	\$1.45	1 Meg.	5	A	1 7/8	1	225,000	33-5113	\$1.45
350,000	5	A	2 3/8	1	75,000	33-5066	1.45	1 Meg.	5	A	1 7/8	1	225,000	33-5116	1.45
350,000	5	A	2 3/8	1	75,000	33-5097	1.45	1 Meg.	5	A	1 7/8	1	225,000	33-5120	1.45
350,000	5	A	1 3/8	1	75,000	33-5024	1.45	2 Megs.	5	A	1 3/8	1	250,000	33-5023	1.45
350,000	5	A	1 3/8	1	75,000	33-5059	1.45	2 Megs.	5	A	1 3/8	1	250,000	33-5153	1.45
350,000	5	A	1 3/8	1	75,000	33-5068	1.45	2 Megs.	5	B	1 7/8	1	400,000	33-5119	1.45
350,000	5	A	1 3/8	1	75,000	33-5068	1.45	2 Megs.	5	A	1 7/8	1	400,000	33-5155	1.45
500,000	5	A	1 3/8	1	100,000	33-5071	1.45	2 Megs.	5	A	1 7/8	1	400,000	33-5108	1.45
1 Meg.	5	A	1 7/8	1	225,000	33-5105	1.45	2 Megs.	1	B	1 1/2	1	1 Meg.	33-5288	1.45

## SPECIAL LOW AND MULTIPLE RESISTANCE CONTROLS

These controls are designed for voltage divider or volume control use.

Single, dual and multiple resistance elements.

Resistance Ohms	Type Control	Switch Type	Shaft Length	Shaft Type (Chart A)	Part No.	List Price
6	7	...	3/8	1	33-5026	\$1.45
250	7	...	3/8	1	33-5060	1.00
250	7	...	7/8	1	*3879	1.00
Front 5000	6	...	1 1/2	1	†7239	1.80
Rear 5000						
Front 5000	6	...	7/8	1	5039	1.80
Rear 5000						
Front 210	6	...	1 27/64	1	5232	1.80
Rear 5000						
Front 1750	6	...	7/8	1	4094	1.80
Rear 250						
Front 5000	6	...	7/8	1	4141	1.80
Rear 1750						
Front 8775	6	...	1 1/4	1	33-5103	4.25
Rear 8775						

\* Resistance at 1/4 Position 50 ohms. † Rear 150 ohms for 1st 25% of rotation.

## PHILCO SUBSTITUTE Volume Controls

Original Part No.	Interchangeable Substitute Part No.
3528	4056
6015	6499
33-5003	6415
6781	5317
33-5001	33-5011
33-5007	33-5063
33-5012	33-5015
33-5013	33-5023 Model 17
	33-5153 Model 16
33-5017	33-5002
33-5019	33-5011
33-5022	33-5153
33-5059	33-5024
33-5037	33-5077
33-5038	33-5032
33-5051	33-5078
33-5052	33-5046
33-5057	33-5011
33-5065	33-5006
33-5066	33-5097
33-5070	33-5103
33-5083	33-5103
33-5085	33-5055
33-5087	33-5154
33-5089	33-5102
33-5094	33-5154
33-5096	33-5141
33-5114	33-510 6
33-5120	33-5105
33-5108	33-5155
33-5110	33-5155
33-5116	33-5113
33-5143	33-5155
33-5157	33-5165
33-5166	33-5158
33-5212	33-5237
33-5216	33-5232
33-5228	33-5225
33-5237	33-5253
33-5244	33-5238
33-5259	33-5224
33-5273	33-5230
33-5279	33-5230

## PHILCO PARTS AND SERVICE DIVISION

PHILADELPHIA, PA.





# PHILCO

REG. U. S. PAT. OFF.



## General Replacement Resistors

A Type for Every Purpose . . . Large Selection of Resistance and Wattage Ratings

# IDENTIFIED RESISTORS

Accurate Ratings

Moisture Proof

High Voltage Insulation

Resistance Value Stamped on Tag

Reinforced Leads

Standard R. M. A. Color Code

Developed Especially for Servicemen's Replacement Work

Fitted with a rust-proof metal tag attached on the leads, plainly marked with the resistance value, these resistors solve all the previous problems of straining to puzzle out faded color combinations, fussing with trick charts, codes, wheels and gadgets, and wasting valuable time by finally having to measure the value after all. The new PHILCO IDENTIFIED RESISTORS save all this time and annoyance and assure correct values being used

on every job. Tag is easily removed, if desired, by a touch of the soldering iron.

Special construction provides extra high insulation value between resistance element and outer tubing—guaranteed 1000 volts. In addition to the value tag, these resistors are standard color-coded as well, so you can match the colors on replacement jobs in an instant.

ALL VALUES IN STOCK . . . Priced No Higher Than Ordinary Types!

### 1 Watt IDENTIFIED RESISTORS . . . List Price each 20c

Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.
10	33-010439	900	33-190439	13,000	33-313439	98,000	33-398439	900,000	33-490439
16	33-016439	1,000	33-210439	15,000	33-315439	99,000	33-399439	910,000	33-491439
20	33-020439	1,400	33-214439	16,000	33-316439	100,000	33-410439	1,000,000	33-510439
27	33-027439	1,500	33-215439	17,000	33-317439	120,000	33-412439	1,500,000	33-515439
28	33-028439	2,000	33-220439	18,000	33-318439	150,000	33-415439	1,700,000	33-517439
40	33-040439	2,500	33-225439	20,000	33-320439	160,000	33-416439	1,800,000	33-518439
60	33-060439	2,900	33-229439	22,000	33-322439	170,000	33-417439	2,000,000	33-520439
70	33-070439	3,000	33-230439	25,000	33-325439	190,000	33-419439	2,400,000	33-524439
85	33-085439	3,300	33-233439	30,000	33-330439	200,000	33-420439	2,500,000	33-525439
100	33-110439	3,500	33-235439	32,000	33-332439	240,000	33-424439	3,000,000	33-530439
130	33-113439	4,000	33-240439	35,000	33-335439	250,000	33-425439	3,500,000	33-535439
150	33-115439	4,500	33-245439	37,000	33-337439	300,000	33-430439	4,000,000	33-540439
200	33-120439	4,900	33-249439	39,000	33-339439	330,000	33-433439	5,000,000	33-550439
250	33-125439	5,000	33-250439	40,000	33-340439	340,000	33-434439	6,000,000	33-560439
280	33-128439	5,600	33-256439	45,000	33-345439	350,000	33-435439	7,000,000	33-570439
300	33-130439	6,000	33-260439	50,000	33-350439	400,000	33-440439	8,000,000	33-580439
400	33-140439	7,000	33-270439	51,000	33-351439	490,000	33-449439	9,000,000	33-590439
500	33-150439	7,500	33-275439	60,000	33-360439	500,000	33-450439	10,000,000	33-610439
600	33-160439	8,000	33-280439	65,000	33-365439	600,000	33-460439	15,000,000	33-615439
700	33-170439	9,000	33-290439	70,000	33-370439	700,000	33-470439		
750	33-175439	10,000	33-310439	75,000	33-375439	750,000	33-475439		
800	33-180439	12,000	33-312439	85,000	33-385439	800,000	33-480439		

### 1/2 Watt IDENTIFIED RESISTORS . . . List Price each 17c

Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.
20	33-020339	500	33-150339	5,000	33-250339	40,000	33-340339	330,000	33-433339
28	33-028339	600	33-160339	6,000	33-260339	45,000	33-345339	490,000	33-449339
60	33-060339	800	33-180339	7,500	33-275339	50,000	33-350339	600,000	33-460339
70	33-070339	1,000	33-210339	8,000	33-280339	51,000	33-351339	750,000	33-475339
120	33-112339	1,400	33-214339	10,000	33-310339	70,000	33-370339	1,000,000	33-510339
150	33-115339	1,500	33-215339	13,000	33-313339	99,000	33-399339	1,500,000	33-515339
200	33-120339	2,000	33-220339	16,000	33-316339	120,000	33-412339	2,000,000	33-520339
250	33-125339	3,000	33-230339	20,000	33-320339	160,000	33-416339	3,000,000	33-530339
300	33-130339	3,500	33-235339	25,000	33-325339	190,000	33-419339	4,000,000	33-540339
450	33-145339	4,000	33-240339	32,000	33-332339	240,000	33-424339	15,000,000	33-615339

Additional Resistors on Next Page

# IDENTIFIED CARBON RESISTORS

2 Watts—List Price each 30c

Ohms	Part No.
1,000	33-210539
1,400	33-214539
2,000	33-220539
3,000	33-230539
4,000	33-240539
5,000	33-250539
7,500	33-275539
9,000	33-290539
10,000	33-310539
13,000	33-313539
15,000	33-315539
16,000	33-316539
20,000	33-320539
25,000	33-325539
32,000	33-332539
37,000	33-337539
50,000	33-350539
51,000	33-351539
75,000	33-375539
100,000	33-410539
250,000	33-425539
750,000	33-475539

3 Watts—List Price each 30c

Ohms	Part No.
5,000	33-250649
7,500	33-275639
10,000	33-310639
13,000	33-313639
15,000	33-315639
16,000	33-316639
25,000	33-325639
30,000	33-330639

# INSULATED WIREWOUND RESISTORS

ACCURATE RATINGS

Moulded in Bakelite—Moisture Proof—Non-Inductive  
Especially Designed for Cathode Bias Circuits—Meter Circuits—Battery Set Filaments

## TUBULAR WIREWOUND

Moulded in Bakelite



SILVER END

Similar in appearance to the identified resistor. The silver band on the end indicates Wirewound.

1/2 Watt—List Price 17c

Ohms	Part No.
8.3	33-983326
12.3	33-1273
14	33-014326
16.4	33-1266
16.7	33-1267
20	33-020326
40	33-040336
100	33-110336
120	33-112326
300	33-130336
500	33-150336
600	33-160336
800	33-180326

1 Watt—List Price 20c

Ohms	Part No.
3.4	33-934416
50	33-050436
100	33-110436
150	33-115436
200	33-120436
300	33-130436
400	33-140436
500	33-150436
700	33-170436
900	33-190436

## FLAT WIREWOUND

Moulded in Bakelite



Designed like a mica condenser—and for places where space is very limited.

1 Watt—List Price 20c

Ohms	Part No.
3	33-930418
33	33-033428
50	33-050438
75	33-075428
100	33-110438
150	33-115438
250	33-125438
400	33-140438
500	33-150438
600	33-160438
700	33-170438
900	33-190438

# HEAVY DUTY WIREWOUND RESISTORS

Porcelain Core . . . Enamel and Cement Coating  
Moisture Proof . . . Substantial Overload Rating

These resistors are designed to stand up under heavy overloads—high humidity conditions and intense heat.

## VITREOUS ENAMEL TYPES



10 Watts  
Size 1 3/4" x 7/16"  
List each 40c

Ohms	Part No.	List
100	33-3251	.50
150	33-3252	.50
200	33-3253	.50
250	33-3254	.50
300	33-3255	.50
400	33-3256	.50
500	33-3257	.50
600	33-3258	.50
700	33-3259	.50
800	33-3260	.50
1,000	33-3242	.50
1,200	33-3261	.50
1,500	33-3262	.50
2,000	33-3243	.50
2,500	33-3263	.50
3,000	33-3244	.50
4,000	33-3266	.50
5,000	33-3267	.50
6,000	33-3245	.50
7,500	33-3268	.50
10,000	33-3246	.50

Ohms	Part No.	List
12,000	33-3269	.50
15,000	33-3247	.50
20,000	33-3264	.50
25,000	33-3265	.50

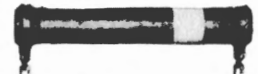
  

Ohms	Part No.	List
50	33-3166	.50
100	33-3167	.50
200	33-3168	.50
300	33-3169	.50
500	33-3170	.50
700	33-3171	.50
1,000	33-3172	.55
1,500	33-3173	.55
2,500	33-3174	.55
5,000	33-3175	.55

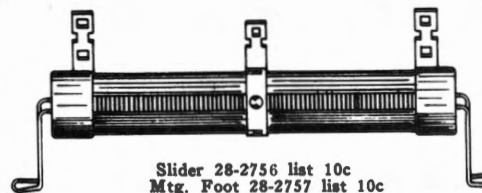
Ohms	Part No.	List
1,000	33-3176	.75
2,000	33-3177	.90
3,000	33-3178	.90
6,000	33-3179	.90
10,000	33-3180	1.00
150,000	33-3181	1.05

## CEMENT COATING TYPES



25-Watt Rating—Size 2" x 9/16"				50-Watt Rating—Size 4" x 9/16"				
Ohms	Part No.	List	Ohms	Part No.	List	Ohms	Part No.	List
5	33-3071	.50	700	33-3076	.50	5	33-3085	.75
10	33-3049	.50	800	33-3077	.55	15	33-3087	.75
15	33-3072	.50	1000	33-3081	.55	20	33-3088	.75
20	33-3050	.50	1200	33-3078	.55	25	33-3089	.75
25	33-3073	.75	1500	33-3082	.55	30	33-3090	.75
40	33-3074	.75	2000	33-3083	.55	40	33-3091	.75
50	33-3052	.50	2500	33-3084	.55	50	33-3092	.75
75	33-3053	.50	3000	33-3085	.55	75	33-3093	.75
100	33-3054	.50	4000	33-3086	.55	100	33-3094	.75
150	33-3055	.50	6000	33-3079	.65	150	33-3095	.75
200	33-3075	.50	7500	33-3088	.65	200	33-3096	.75
250	33-3056	.50	10000	33-3080	.65	250	33-3097	.75
300	33-3057	.50	12000	33-3081	.65	300	33-3098	.75
400	33-3058	.50	15000	33-3082	.65	400	33-3099	.75
500	33-3059	.50	20000	33-3083	.65	500	33-3100	.75
600	33-3060	.50	25000	33-3084	.70	600	33-3101	.75
						700	33-3102	.75

## Sliding Contact Type (50-Watt Rating)



Slider 28-2756 list 10c  
Mtg. Foot 28-2757 list 10c

Ohms	Part No.	List
1,000	33-3190	.85
2,000	33-3191	.85
3,000	33-3192	.85
6,000	33-3193	1.45
10,000	33-3194	1.60
15,000	33-3195	1.65



# PHILCO



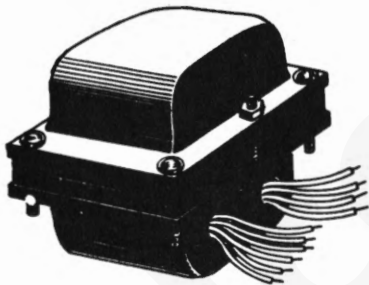
## General Replacement POWER TRANSFORMERS

Constructed to Give Continuous Trouble-Free Service

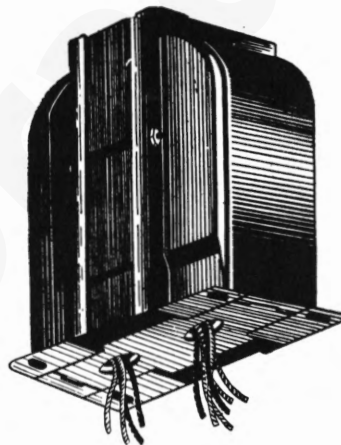
Large Selection of Voltage and Current Ratings

Wide Selection of Mountings

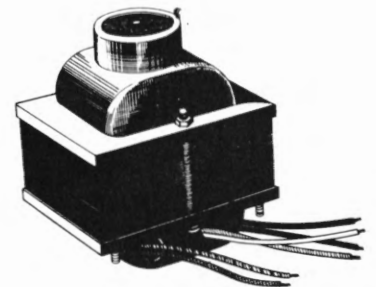
Home and Auto Radio Types



**Type 1**  
Shielded — Horizontal  
Mounting with Leads



**Type 2**  
Shielded — Vertical  
Mounting with Leads



**Type 3**  
‡Shielded — Horizontal  
Mounting with Rectifier Socket

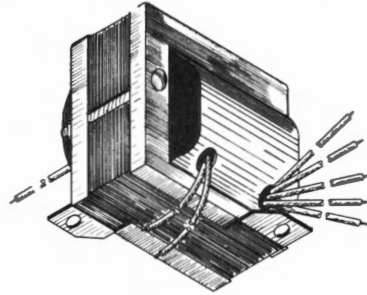
A PHILCO Replacement  
for All Radios  
From  
FOUR TO TWENTY TUBES



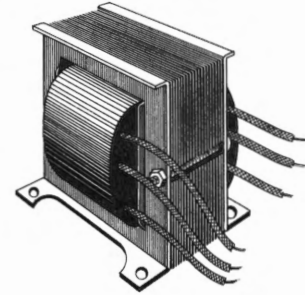
# PHILCO POWER TRANSFORMERS



**Type 4**  
Vertical Shielded  
Mounting with Lugs



**Type 5**  
Vertical Shielded  
Mounting with Leads



**Type 6**  
Unshielded Vertical  
Mounting (Vibrator)

## 2.5 Volt Filaments — — \* 115 — 120 Volt, 50 to 60 Cycle Primary

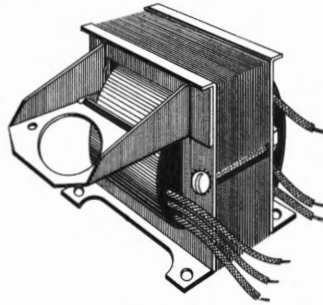
NO. TUBES	TYPE OF TUBES	FILAMENT SECONDARY		HIGH VOLTAGE SECONDARY		SIZE			TYPE MTG.	PART NO.	LIST PRICE
		VOLT	AMP.	VOLT	MA.	HEIGHT	WIDTH	DEPTH			
3	1-24; 1-27; 1-80	2.5 5.0	4.0ct 2.0	330ct	30	3½	2½	2⅞	2	5785	3.25
5 - 6	3-24; 1-47; 1-80	2.5 5.0	7.0ct 2.0	700ct	65	3¼	3⅞	3⅝	5	5266	4.25
7 - 8	3-24; 1-27; 2-71A; 1-80	2.8 5.0 5.0	7.45ct .5ct 2.0	700ct	80	5⅞	3⅛	3¼	4	4234	7.00
7 - 8	4-24; 1-27; 1-47; 1-80	2.5 2.5 5.0	9.2ct 1.5ct 2.0	665	95	5⅛	3⅛	3⅞	2	5117	6.50
8 - 9	4-226; 1-227; 2-245; 1-80	1.5 2.5 2.6	4.3 1.75ct 3.4	700ct	105	5⅞	3⅛	3⅞	4	3400	7.50
9 - 10	3-24; 4-27; 1-47; 1-80	2.6 2.5 5.0	12.25 2.0ct 2.0	630	100	5⅛	3⅛	3⅞	2	5362	6.25
9 - 10	4-24; 2-27; 2-45; 1-80	2.5 2.5 5.0	10.5ct 3.5ct 2.0	770	105	5⅞	3⅛	4⅝	2	4938	7.50
9 - 10	3-24; 3-27; 2-45; 1-80	2.6 2.6 5.0	10.5ct 3.5ct 2.0	700	110	5⅞	3⅛	3¼	4	3752	8.00
9 - 10	1-24; 3-27; 2-35; 2-47; 1-80	2.5 2.5 5.0	12.3ct 3.5ct 2.0	660	120	5⅛	3⅛	3⅛	2	6072	6.25
11 - 12	4-24; 4-27; 2-47; 1-80	2.6 2.6 5.0	14.0ct 3.5ct 2.0	660	120	5⅛	3⅛	4⅞	4	5594	7.00
11 - 12	4-24; 4-27; 2-45; 1-80	2.6 2.6 5.0	14ct 3.5ct 2.0	700	120	5	3⅞	4⅞	4	4446	7.00

## 6.3 Volt Filaments — — \* 115 — 120 Volt, 50 to 60 Cycle Primary

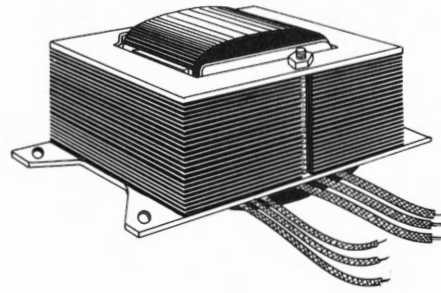
4 - 5	1-42; 2-77; 1-80	6.3 5.0	1.5 2.0	580	50	3	2⅞	2⅞	1	32-7064	3.25
4 - 5	6A7; 1-77; 1-41; 1-80	6.3 5.0	1.5 2.0	580	50	2⅛	3	2½	1	32-7552	3.25
4 - 5	1-42; 2-77; 1-80	6.3 5.0	1.5 2.0	630	55	3⅞	2⅞	2⅛	2	32-7180	3.60
4 - 5	2-36; 1-42; 1-80	6.3 5.0	1.5 2.0	630	55	4⅞	3⅛	2⅞	2	7421	3.25
5 - 6	6A7; 78; 75; 42; 80	6.3 5.0	2.2ct 2.0	680	65	4½	3⅞	3	2	8046	3.50
5 - 6	6A8G; 6F6G; 6K7G; 6R7G; 5Y4G	6.3 5.0	1.5 2.0	574	59	2⅛	2½	3	1	32-7780	3.60
5 - 6	6A7; 41; 75; 78; 84	6.7 5.0	2.0 2.0	516	50	3⅛	2⅞	2⅞	2	32-7826	3.00
5 - 6	2-6F6G; 2-6J7G; 5Y4G	6.3 5.0	2.0 2.0	490	85	3⅛	2⅞	2⅞	2	32-7925	3.75
5 - 6	6A7; 41; 75; 78; 84	6.4 5.0	2.3 2.0	524	53	2⅛	3	2½	1	32-7974	2.75
5 - 6	6A8G; 41; 75; 78; 84	6.4 5.0	2.3 2.0	540	56	2¼	3	2½	1	32-7976	2.75
6 - 7	6A8G; 6F6G; 6J5G; 6K5G; 6K7G; 5Y4G	6.7 5.0	2.5 2.0	636	85	3⅛	3⅞	3	1	32-7833	4.00
6 - 7	6A7; 1-42; 2-78; 1-75; 1-80	6.3 5.0	2.2 2.0	680	65	4½	3⅞	3	2	32-7137	4.00
6 - 7	6A7; 1-42; 2-44; 1-75; 1-80	6.3 5.0	2.2 2.0	680	65	3⅞	3¼	2⅞	1	32-7226	4.25
6 - 7	6A7; 1-42; 1-75; 2-78; 1-80	6.3 5.0	2.2 2.0	680	65	3⅞	3⅞	3	1	32-7381	4.00
6 - 7	6A8G; 6F6G; 2-6K7G; 6Q7G; 5Y4G	6.7 5.0	2.1 2.0	670	70	4	3⅞	3	3	32-7583	4.50
6 - 7	6A8G; 6K7G; 6Q7G; 6F6G; 5Y4G	6.3 5.0	2.2 2.0	680	65	2⅞	3⅞	3¼	1	32-7626	4.25
6 - 7	36; 42; 2-44; 75; 80	6.3 5.0	2.25 2.0	746	78	4⅞	3⅛	3⅞	2	32-7170	4.50
6 - 7	6A7; 42; 2-44; 75; 80	6.3 5.0	2.25 2.0	746	78	3⅞	3¼	3⅞	1	32-7229	5.25

‡Type 3 Transformers have a rectifier socket mounted and wired on top of Transformer case.

# PHILCO POWER TRANSFORMERS



**Type 7**  
Unshielded — Vertical  
with Tube Socket Mounting  
(Vibrator Circuits)



**Type 8**  
Unshielded — Horizontal  
Vibrator Circuits

## 6.3 Volt Filaments — — — \* 115 — 120 Volt, 50 to 60 Cycle Primary

NO. TUBES	TYPE OF TUBES	FILAMENT SECONDARY		HIGH VOLTAGE SECONDARY		SIZE			TYPE MTG.	PART NO.	LIST PRICE
		VOLT	AMP.	VOLT	MA.	HEIGHT	WIDTH	DEPTH			
6 - 7	6A7; 42; 75; 2-78; 80	6.3 5.0	2.25 2.0	746	78	4½	3⅞	3½	2	32-7234	4.25
6 - 7	6A7; 42; 75; 2-78; 80	6.3 5.0	2.25 2.0	746	78	3⅞	3⅞	3¼	1	32-7384	5.50
7 - 8	6A8G; 2-6K7G; 2-6F6G; 6Q7G; 5Y4G	6.7 5.0	3.0 2.0	670	100	4⅞	3⅞	3¼	3	32-7597	5.25
7 - 8	6A7; 2-42; 2-78; 85; 80	6.3 5.0	3.5 2.0	710	118	5⅞	3⅞	3⅞	2	32-7369	8.00
7 - 8	6A7; 2-42; 2-78; 80; 85	6.3 5.0	3.5ct 2.0	710	118	5⅞	3⅞	3⅞	2	32-7462	6.00
8 - 9	2-37; 1-42; 4-44	6.3 5.0	2.8ct 2.0	685	70	4½	3⅞	3¼	2	7074	4.50
8 - 9	6A7; 3-42; 75; 2-78; 80	6.3 5.0	3.75 2.0	760	140	4	4⅞	3⅞	1	32-7402	7.50
8 - 9	3-42; 75; 2-78; 80; 6A7	6.7 5.0	3.3 2.0	700	135	4⅞	4⅞	3⅞	3	32-7606	6.25
8 - 9	6A7; 3-42; 75; 2-78; 1-80	6.3 5.0	3.75 2.0	760	140	5⅞	3⅞	3⅞	2	32-7111	6.75
8 - 9	6A8G; 2-6F6G; 6J5G; 6K5G; 6K7G; 6U7G; 5Y4G	6.7 5.0	3.6 2.0	660	113	4⅞	3⅞	3¼	1	32-7837	5.50
8 - 9	6A7; 6J5G; 6Q7G; 5Y4G; 2-42; 2-78	6.4	2.0	410	42	3⅞	2⅞	2⅞	2	32-7979	2.75
8 - 9	6A7; 6J5G; 6Q7G; 5Y4G; 2-42; 2-78	6.4 5.0	4.0 2.0	610	101	3⅞	3⅞	3¼	1	32-7998	5.00
9 - 10	1-36; 3-37; 2-42; 2-44; 1-80	6.3 5.0	3.5ct 2.0	700	135	5⅞	4	3⅞	2	6804	5.50
9 - 10	6A8G; 2-6F6G; 2-6J5G; 6K5G; 6K7G; 5Y4G	6.7 5.0	3.6 3.0	735	168	4⅞	4	4⅞	3	32-7615	7.00
10 - 11	75; 76; 77; 3-78; 80; 3-42	6.3 5.0	3.75 2.0	720	123	3⅞	4⅞	3⅞	1	32-7440	6.00
10 - 11	6A7; 3-42; 37; 75; 3-78; 5Z3	6.3 5.0	5.0 3.0	780	150	5⅞	3⅞	4⅞	2	32-7258	7.50
11 - 12	37; 3-42; 76; 2-77; 3-78; 80	6.3 5.0	5.0 2.0	720	123	3⅞	4⅞	3⅞	1	32-7291	7.00
11 - 12	3-42; 37; 76; 2-77; 3-78; 80	6.3 5.0	5.0 3.0	780	150	4¼	4⅞	3⅞	1	32-7283	7.00
11 - 12	3-42; 37; 76; 2-77; 3-78; 5Z3	6.3 5.0 6.3	2.7ct 3.0 2.7	830	170	4¼	4⅞	3⅞	1	32-7431	7.50
11 - 12	37; 3-42; 2-77; 3-78; 5Z3; 1-76	6.3 5.0	5.0ct 2.0	720	123	5⅞	3⅞	3⅞	2	32-7080	8.00
11 - 12	6A8G; 2-6F6G; 5-6J5G; 2-6K7G; 5X4G	6.7 5.0	4.2 3.0	720	140	4½	4	4⅞	3	32-7640	6.50
11 - 12	4-37; 2-42; 4-44; 1-80	6.3 5.0	4.5ct 2.0	720	145	5½	4	3⅞	2	6672	7.50
12 - 13	6A8G; 3-6F6G; 6H6G; 3-6K7G; 6L7G; 6N7G; 6Q7G; 5X4G	6.7 5.0	6.5 3.0	740	175	5	4	4⅞	3	32-7699	7.50
12 - 13	6A8G; 2-6F6G; 6H6G; 3-6J5G; 6K7G; 6N7G; 6R7G; 6U7G; 5X4G	6.7 5.0	5.8 3.0	664	163	4⅞	4⅞	3⅞	1	32-7869	7.15
14 - 15	2A4G; 6A8G; 6J5G; 6J7G; 6K7G; 6Q7G; 6ZY5G; 30; 37; 2-42; 2-78; 80	6.4 5.0	4.8 2.0	750	131	3⅞	4⅞	4	1	32-8001	7.00
15 - 16	6A8G; 6F6G; 3-6J5G; 4-6K7G; 6H6G; 6N7G; 2-6B4G; 5U4G; 6L7G	6.7 6.7 5.0	4.0 4.0 2.0	715	170	5	4	4⅞	3	32-7688	7.50
15 - 16	2-6A3; 6B7; 6F7; 5Z3; 42; 76; 4-78; 80; 3-85	6.3 5.0 6.3 5.0	3.0 3.0 3.0 2.0	740	180	4½	4⅞	3⅞	1	32-7455	8.00
20 - 21	6A8G; 6B8G; 2-6B4G; 6F6G; 6H6G; 4-6J5G; 5-6K7G; 6L7G; 6N7G; 6R7G; 2-5X4G	6.7 6.7 5.0	1.0 1.0 3.0	705	210	4⅞	4	4⅞	3	32-7731	7.50
20 - 21	2-6A8G; 6B8G; 2-6F6G; 6H6G; 3-6J5G; 4-6K7G; 2-6N7G; 2-6L6G; 6U7G; 2-5X4G	6.7 6.7 5.0	2.3 6.5 3.0	570	75	4⅞	4⅞	3⅞	1	32-7888	8.75

\* Power Transformers are also available with Primaries for operation on 115 volt, 25 to 40 cycle and 230 volt, 50 to 60 cycle current in all secondary voltages listed for the above 115 volt, 50 to 60 cycle.

# VIBRATOR TRANSFORMERS

Home or Auto Radios

6.0 Volt Storage Battery

NO. TUBES	TYPE OF TUBES	FILAMENT SECONDARY		SIZE			TYPE MTG.	PART NO.	LIST PRICE
		VOLTS	AC - MA	HEIGHT	WIDTH	DEPTH			
5	6A7; 78; 75; 41; 84	180	35	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	6	32-7030	2.25
6	44; 6A7; 44; 75; 42; 84	230	75	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	7	32-7098*	2.40
6	44; 77; 44; 75; 42; 84	180	35	3 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	8	32-7110	2.70
6	44; 44; 6A7; 75; 41; 84	180	35	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	7	32-7131*	2.50
6	42; 44; 44; 75; 77; 84; 6A7	263	35	3 <sup>7</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>16</sub>	8	32-7253	2.50
6	44; 77; 44; 75; 42; 84	263	40	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>16</sub>	7	32-7216*	2.60
6	36; 77; 44; 75; 42; 84	263	40	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>16</sub>	6	32-7315	2.40
6	78; 6A7; 78; 75; 41; 84	263	40	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>2</sub>	6	32-7352	3.00
6	78; 6A7; 78; 75; 41; 84	263	40ct	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>2</sub>	6	32-7482	2.50
6	41; 78; 78; 75; 84; 6A7	263	40ct	3 <sup>3</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>2</sub>		32-7488	2.50
6	78; 6A7; 78; 75; 41; 84	234	40	2 <sup>3</sup> / <sub>4</sub>	3	2 <sup>1</sup> / <sub>8</sub>	6	32-7550	2.75
5	1D7G; 1D5G; 1H6G; 1H4G; 1E7G	116	30	2 <sup>3</sup> / <sub>4</sub>	3	2 <sup>1</sup> / <sub>8</sub>	6	32-7682B	2.20
6	78; 6A7; 78; 75; 41; 84	234	40	2 <sup>7</sup> / <sub>8</sub>	3	2 <sup>3</sup> / <sub>8</sub>	6	32-7720	2.60
6	44; 77; 44; 75; 42; 84	263	40	2 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>2</sub>	8	32-7232	2.40
7	78; 6A7; 78; 75; 37; 79; 84	263	40	2 <sup>7</sup> / <sub>8</sub>	3	2 <sup>3</sup> / <sub>8</sub>	6	32-7683	2.50
7	78; 6A7; 78; 75; 41; 41; 84	263	60	2 <sup>3</sup> / <sub>4</sub>	3	2 <sup>3</sup> / <sub>8</sub>	6	32-7821	2.60
7	78; 6A7; 78; 75; 41; 41; 84	263	60	2 <sup>7</sup> / <sub>8</sub>	3	2 <sup>3</sup> / <sub>8</sub>	6	32-7951	3.25
6	78; 6A7; 78; 75; 41; 84	234	40	2 <sup>7</sup> / <sub>8</sub>	3	2 <sup>3</sup> / <sub>8</sub>	6	32-7958	3.25
5	6A7; 78; 75; 41; 84	234	40	2 <sup>7</sup> / <sub>8</sub>	3	2 <sup>3</sup> / <sub>8</sub>	6	†32-7962	3.20

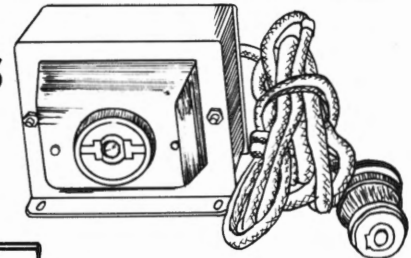
\* With Socket Mounting Bracket

† Four-wire Primary

## VOLTAGE STEP DOWN TRANSFORMERS

Used For Lowering Power Line Voltage

Primary Equipped with 9 foot Cord and Plug  
Secondary Equipped with Receptacle



VOLTAGE (AC)		FREQUENCY	POWER RATING WATTS	SIZE			PART NO.	LIST PRICE
PRI.	SEC.			HEIGHT	WIDTH	DEPTH		
220	110	50 to 60	45	3 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	32 - 7935	8.50
230	115	25 to 60	65	3 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	5563	8.50
250	125	25 to 60	150	5 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub>	5716	11.50

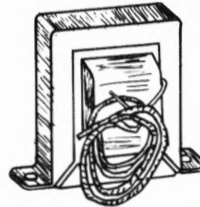
### Power Transformer Substitute List

Original Part No.      Interchangeable Substitute Part No.

3516	4813
3868	4813
4446	5594
4938	6072
5362	6072
6454	7074
6554	6804
6557	6804
6672	32 - 7080
7421	8046
32 - 7058	32 - 7258
32 - 7170	32 - 7234
32 - 7293	32 - 7324
32 - 7369	32 - 7462
32 - 7283	32 - 7431
32 - 7463	32 - 7407

## FILAMENT AND LOW VOLTAGE TRANSFORMERS

115 Volt, 50 to 60 Cycle Primary



FILAMENT SECONDARY			SIZE			PART NO.	LIST PRICE
VOLTS	AMP.		HEIGHT	WIDTH	DEPTH		
2.5	4		2 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	5906	1.75
21.4	1.12		2	1 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	32 - 7990	1.50
4.5	at	50 MA	1 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	32 - 7993	1.50
2.5	at	2.5					

PHILCO RADIO AND TELEVISION CORP.

PARTS AND SERVICE DIVISION

Philadelphia, Pa.

Printed in U. S. A.



# PHILCO

REG. U. S. PAT. OFF.



## General Replacement

# INPUT OUTPUT AUDIO TRANSFORMERS

Here is a complete listing of all Philco audio transformers which will meet the replacement requirements of the majority of any make or model radio in use today, both physically and electrically. These transformers are the finest available and are exceptionally low in cost.

The exacting design specifications of these transformers insure true tone reproduction of all audio frequencies. This is due to the exceptionally flat response curve at all audio frequencies. The transformers are thoroughly vacuum impregnated with moisture-proof wax so that they can be used under the most severe humidity conditions.

### CLASS "A" INPUT TRANSFORMERS (Single Plate to Single Grid)

Tube Types or Equivalent	Turns Ratio	Pri. M.A.	Type Mtg.	Size			Part No.	List Price	Tube Types or Equivalent	Turns Ratio	Pri. M.A.	Type Mtg.	Size			Part No.	List Price
				A	B	C							A	B	C		
75 to 42.....	1-1	10	1	2 1/8	2 7/8	1 7/8	32-7484	\$1.90	30 to 33.....	1-4	8	5	2 1/8	2 3/4	2	3241	\$2.75
30 to 33.....	1-4	8	1	2 3/8	2 3/4	1 3/8	5315	2.25	Micro. to 6K5G.....	1-34	5	2	2 1/8	2 1/8	1 3/4	32-7915*	1.60

### PUSH-PULL INPUT TRANSFORMERS (Single Plate to Dual Grid)

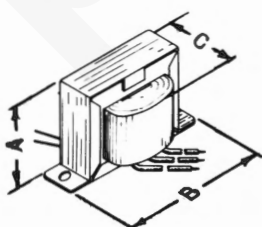
One 75 to two 43.....	1-1	10	5	2 1/8	2 7/8	2 3/8	32-7211	\$2.25	One 85 to two 41.....	1-4	5	1	2 1/8	2 7/8	1 3/4	32-7828	\$2.50
One 6B6G to two 25A6 (or 25A6G).....									One 6V7G to two 6K6G.....								
One 27 to two 47.....	1-1	8	1	2 1/8	2 7/8	1 7/8	6064	1.75	One 85 to two 42.....	1-4	5	2	2 1/8	2 7/8	2 3/8	32-7471	2.10
One 27 to two 47.....	1-1	8	7	3 1/8	2 1/8	2 7/8	5662	3.25	One 6V7G to two 6F6 (or 6F6G).....								
One 6F6 (or 6F6G) to two 6B4G.....	1-1.4	35	7	3 3/8	2 1/8	2 3/8	32-7725	3.20	One 38 to two 41.....	1-4	14	1	2 1/8	3 3/8	1 7/8	6582	2.15
One 42 to two 6A3.....									One 38 to two 6K6G.....								
One 42 to two 6A3.....	1-1.8	35	7	3 3/8	2 1/8	2 3/8	32-7447	3.00	One 30 to two 31.....	1-4	8	1	2 1/8	3	1 3/8	4862†	2.00
One 6F6 (or 6F6G) to two 6B4G.....									One 30 to two 31.....								
One 27 to two 45.....	1-2	8	5	2 1/8	2 3/8	2 7/8	3872	2.50	One 27 to two 45.....	1-4	8	7	3 3/8	2 5/8	2 3/8	3537	3.15
One 27 to two 45.....	1-3	8	1	2 1/8	2 7/8	1 1/8	4952	2.25	One 85 to two 42.....								
One 6R7 (or 6R7G) to two 25L6 (or 25L6G).....	1-4	2	5	2 1/8	2 7/8	1 7/8	32-7849	3.00	One 6V7G to two 6F6 (or 6F6G).....	1-4	5	1	2 1/8	2 7/8	2	32-7372	2.50
One 85 to two 41.....									One 85 to two 42.....								
One 85 to two 41.....	1-4	5	1	2 1/8	3	1 3/8	4232	2.00	One 6V7G to two 6F6 (or 6F6G).....	1-10	5	1	2 3/8	2 7/8	1 1/8	32-7532	4.25

### INTERSTAGE DRIVER TRANSFORMERS (Single Plate to Dual Grid)

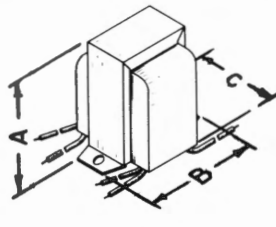
One 42 to two 42.....	1-1	50	7	3 3/8	2 1/8	2 7/8	32-7057	\$3.50	One 30 to one 19.....	1.2-1	8	2	2 1/8	2 7/8	1 7/8	32-7480	\$1.50
One 6F6 (or 6F6G) to two 6F6 (or 6F6G).....									One 1H4G to one 1J6G.....								
One 42 to two 42.....	1-1	25	5	2 1/8	2 7/8	2 3/8	32-7114	3.00	One 6J5 (or 6J5G) to two 49.....	1.2-1	8	2	2 1/8	2 7/8	1 7/8	32-8027	2.50
One 6F6 (or 6F6G) to two 6F6 (or 6F6G).....									One 1H4G to one 1J6G.....								
One 6F6 (or 6F6G) to two 6L6 (or 6L6G).....	1-1	35	7A	3 1/8	2 1/8	2 3/4	32-7876†	3.75	One 30 to one 19.....	1.2-1	8	2	2 1/8	2 7/8	1 7/8	32-7473	1.75
One 42 to two 6L6 (or 6L6G).....									One 1H4G to one 1J6G.....								
One 37 to one 79.....	1.2-1	8	1	2 1/8	2	1 3/8	7652	1.80	One 30 to one 19.....	1.2-1	8	1	2 1/8	2 7/8	1 3/8	32-7454	1.60
One 37 to one 6Y7G.....									One 1H4G to one 1J6G.....								
One 30 to one 19.....	1.2-1	8	1	2 1/8	2 7/8	1 3/8	7233	1.75	One 76 to one 6A6.....	1.2-1	8	1	2 1/8	2 7/8	1 3/4	32-7356	1.75
One 1H4G to one 1J6G.....									One 76 to one 6N7 (or 6N7G).....								
One 6J5 (or 6J5G) to two 6L6 (or 6L6G).....	1.2-1	8	5	2 1/8	2 7/8	1 7/8	32-7865†	2.50	One 37 to one 79.....	1.2-1	8	5	1 3/8	2 7/8	1 3/8	32-7206	1.80
One 30 to one 19.....									One 37 to one 79.....								
One 1H4G to one 1J6G.....	1.2-1	8	5	2 1/8	2 7/8	1 7/8	32-7637	2.00	One 37 to one 6Y7G.....	1.2-1	8	1	2 1/8	2 7/8	1 3/4	32-7681	1.75
One 30 to one 19.....									One 37 to one 79.....								
One 1H4G to one 1J6G.....	1.2-1	8	5	2 1/8	2 7/8	1 7/8	32-7637	2.00	One 37 to one 79.....	2.5-1	8	1	2 1/8	2 7/8	1 3/4	32-7779	1.50
One 1H4G to one 1J6G.....									One 37 to one 6Y7G.....								

### INTERSTAGE DRIVER TRANSFORMERS (Dual Plate to Dual Grid)

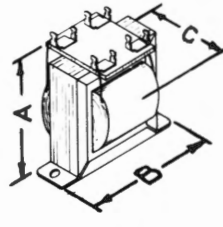
Tube Types or Equivalent	Turns Ratio	Pri. M.A.	Type Mtg.	Size			Part No.	List Price
				A	B	C		
Two 6J5 (or 6J5G) to two 42.....	2.7-1	0	5	2 1/8	2 7/8	1 7/8	32-7671	\$2.50



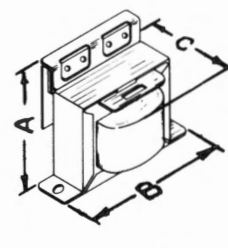
TYPE 1



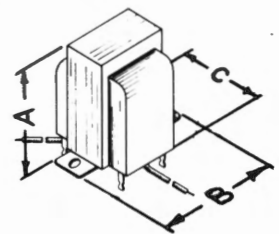
TYPE 2



TYPE 3

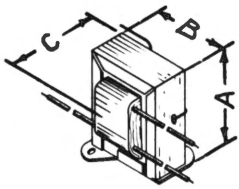


TYPE 4



TYPE 5





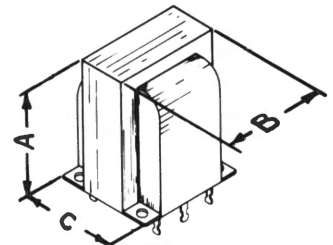
**TYPE 6**

Type 6 is unshielded with leads. Type 6A is of same type with wiring panel on top.

# AUDIO OUTPUT TRANSFORMERS

The Philco output transformers are designed to give maximum power output with minimum distortion when used with the tube types or equivalent for which they are designed.

A complete line of output transformers is listed below with the large variety of primary and secondary impedances and mounting types, to meet the requirements of any radio receiver, amplifier or amateur equipment of any manufacturer.



**TYPE 7**

Type 7 is a shielded transformer with lugs. Type 7A is of same design with leads.

## AUDIO OUTPUT TRANSFORMERS (Single Output Tubes)

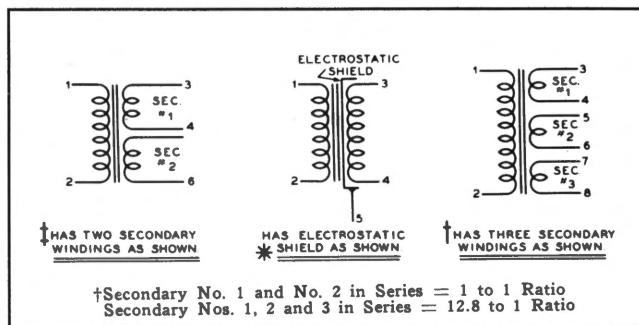
Tube Types or Equivalent	Impedance		Size			Type Mtg.	Part No.	List Price	Tube Types or Equivalent	Impedance		Size			Type Mtg.	Part No.	List Price
	Pri.	Sec.	A	B	C					Pri.	Sec.	A	B	C			
25L6, 25L6G ..	2,000	3.1	2	2 1/2	1 1/2	1	32-8033	\$1.40	42, 2A5, 6F6G..	6,900	1.11	2 3/4	1 1/2	1 1/2	1A	32-7102	\$1.50
43, 25A6, 25A6G	3,000	.89	2	2 3/4	1 1/2	1	32-7020	.90	42, 2A5, 6F6G..	7,500	1.25	2 3/4	3 3/4	1 1/2	1	32-7862	1.45
43, 25A6, 25A6G	3,200	.95	1 1/2	3	1 3/4	3	32-7395	1.10	41, 6K6G .....	7,800	2.5	2 3/4	3 3/4	1 3/4	3	32-7765	1.50
43, 25A6, 25A6G	3,600	3.5	1 1/2	2 1/2	1 3/4	1	32-7874	1.15	41, 6K6G .....	7,800	4.6	1 1/2	2 1/2	1 3/4	3	32-7815	1.25
43, 25A6, 25A6G	3,600	3.5	1 1/2	2 1/2	1 1/2	1	32-7986	1.00	41, 6K6G .....	7,800	2.5	2 3/4	2 3/4	1 1/2	3	32-7816	1.65
47 .....	5,000	.77	2	2 1/2	1 3/4	1	2660	1.00	41, 6K6G .....	8,000	3.5	2 3/4	1 3/4	1 3/4	6A	32-7956	1.50
41, 6K6G .....	5,800	4.5	1 1/2	1 3/4	2 1/2	1	32-7507	1.00	41, 6K6G .....	8,000	3.5	1 1/2	2 1/2	1 3/4	1	32-7955	1.00
42, 2A5, 6F6G..	6,000	4.6	1 1/2	3	1 3/4	3	32-7495	1.05	41, 6K6G .....	8,000	3.5	1 1/2	2 1/2	1 1/2	1	32-7980	1.00
41, 6K6G .....	6,000	5.0	1 1/2	2 1/2	1 1/2	1	32-7978	1.00	41, 6K6G .....	8,000	4.6	1 1/2	2 1/2	1 1/2	1	32-7961	1.15
41, 6K6G .....	6,000	5.0	1 1/2	2 1/2	1 1/2	1	32-8018	1.50	41, 6K6G .....	9,000	5.0	2	3 3/4	1 1/2	1	32-7936	1.75
42, 2A5, 6F6G..	6,200	.89	2	2 3/4	1 1/2	1	32-7041	.95	42, 2A5, 6F6G..	10,000	1.11	2 3/4	3 3/4	1 3/4	3	32-7721	1.35
42, 2A5, 6F6G..	6,200	1.11	2 3/4	3 3/4	2	3	32-7178	1.60	41, 6K6G .....	10,000	1.25	2 3/4	3 3/4	1 3/4	3	32-7942	1.70
41, 6K6G .....	6,200	.89	2	2 3/4	1 3/4	1	32-7567	1.00	42, 2A5, 6F6G..	10,000	1.11	2 3/4	2 3/4	1 1/2	3	32-7562	1.40
42, 2A5, 6F6G..	6,800	2.22	2 3/4	3 3/4	1 3/4	3	2564	1.25	42, 2A5, 6F6G..	13,500	3.0	2	1 1/2	1 1/2	6	32-7995	1.40
42, 2A5, 6F6G..	6,600	.95	1 1/2	3	1 1/2	3	32-7214	1.00	1CSG .....	25,000	5.5	2	1 1/2	1 1/2	6	32-7984	1.40
42, 2A5, 6F6G..	6,900	1.11	2 3/4	3 3/4	1 3/4	3	2580	1.00	1A5G .....								

## AUDIO OUTPUT TRANSFORMERS (Push-Pull Output Tubes)

2A3, 6A3, 6B4G	2,920	3.42	2 3/4	3 3/4	2	1	32-7446	\$1.75	42, 2A5, 6F6G..	12,000	5.0	2 1/2	2 3/4	1 3/4	1	32-7981	\$1.80
2A3, 6A3, 6B4G	2,920	3.42	2 3/4	3 3/4	2 3/4	3	32-7461	2.00	42, 2A5, 6F6G..	12,000	5.0	2 1/2	2 3/4	2 3/4	2	32-7996	2.25
2A3, 6A3, 6B4G	2,920	3.42	2 3/4	3 3/4	2 3/4	3	32-7753	1.70	42, 2A5, 6F6G..	12,000	5.0	2 1/2	2 3/4	1 3/4	2	32-7997	2.00
25L6, 25L6G ..	3,500	5.0	2	3 3/4	2 3/4	1	32-7863	1.60	42, 2A5, 6F6G..	12,000	5.0	2 1/2	2 3/4	1 3/4	1	32-8020	2.25
25L6, 25L6G ..	3,700	1.11	2 3/4	3 3/4	2	3	32-7275	1.85	42, 2A5, 6F6G..	12,400	1.11	2 3/4	3 3/4	1 3/4	3	2585	1.25
42, 2A5, 6F6G..	5,300	2.0	2 3/4	3 3/4	2	3	32-7052	2.00	41, 6K6G .....	12,400	1.11	2 3/4	3 3/4	1 3/4	1	32-7551	1.50
42, 2A5, 6F6G..	5,300	2.0	2 3/4	3 3/4	2 3/4	4	32-7685	2.00	42, 2A5, 6F6G..	12,400	1.11	2 3/4	3 3/4	1 3/4	4	32-7634	1.50
79, 6Y7G .....	5,300	2.0	2 3/4	3 3/4	2	3	32-7727	1.70	42, 2A5, 6F6G..	13,250	2.0	2 3/4	3 3/4	1 3/4	3	32-7051	1.50
42, 2A5, 6F6G..	5,400	3.42	2 3/4	3 3/4	2	3	32-7247	2.00	47 .....	13,500	.62	2 3/4	2 3/4	1 3/4	5	2590	1.50
42, 2A5, 6F6G..	5,580	1.11	2 3/4	3 3/4	2	3	32-7078	1.25	41, 6K6G .....	14,000	1.25	2 3/4	3 3/4	1 3/4	3	32-7786	1.50
42, 2A5, 6F6G..	5,580	1.11	2 3/4	3 3/4	1 3/4	4	32-7638	1.50	42, 2A5, 6F6G..	14,000	5.0	2 3/4	3 3/4	1 3/4	1	32-8019	2.25
6L6, 6L6G .....	6,000	3.7	2 3/4	3 3/4	2	3	32-7905	2.00	42, 2A5, 6F6G..	14,200	.55	2 3/4	3 3/4	1 3/4	3	2565	1.50
71A .....	6,200	.62	2 1/2	2 1/2	1 1/2	5	2766	1.75	19, 1J6G .....	15,000	1.11	2 1/2	2 3/4	1 3/4	1	32-7453	1.50
6A6, 6N7, 6N7G, 53	6,200	1.11	2 3/4	3 3/4	1 1/2	1	32-7355	2.20	19, 1J6G .....	15,000	1.11	2 1/2	2 3/4	1 3/4	2	32-7472	1.50
79, 6Y7G .....	6,200	1.11	2 3/4	3 3/4	2	3	32-7684	1.60	41, 6K6G .....	16,000	1.25	2 3/4	1 1/2	1 3/4	6	32-7968	2.00
6L6, 6L6G .....	7,600	3.7	2 3/4	3 3/4	2 3/4	1	32-7751	2.00	19, 1J6G .....	16,300	4.5	2 3/4	3 3/4	1 3/4	4	32-7639	1.60
2A3, 6A3, 6B4G	8,000	3.9	2 3/4	3 3/4	2	4	32-7717	2.00	41, 6K6G .....	16,500	4.6	2	1 1/2	1 1/2	6	32-7818	1.45
42, 2A5, 6F6G..	9,000	3.7	2	3 3/4	2 3/4	1	32-7914	1.85	79, 6Y7G .....	17,500	4.6	2 3/4	3 3/4	2	3	32-7788	2.75
19, 1J6G .....	12,000	.89	2 1/2	2 3/4	1 1/2	1	32-7223	1.50	19, 1J6G .....	18,000	5.0	2	3 3/4	1 3/4	1	32 7758	1.50
19, 1J6G .....	12,000	.89	2 1/2	2 3/4	1 1/2	1	32-7286	1.60	79, 6Y7G .....	18,000	1.25	2 3/4	3 3/4	2	3	32-7778	1.60
42, 2A5, 6F6G..	12,000	2.5	2 1/2	2 3/4	1 3/4	2	32-7927	1.80	41, 6K6G .....	18,000	1.25	2 3/4	3 3/4	1 3/4	1	32-7829	1.60
									41, 6K6G .....	18,000	1.25	2 3/4	3 3/4	1 3/4	3	32-7909	1.75

### SUBSTITUTE AUDIO INPUT TRANSFORMERS

Original Part No.	Inter-changeable Substitute Part No.	Original Part No.	Inter-changeable Substitute Part No.
3321...	3242	32-7454...	32-7356
3782...	3872	32-7471...	32-7372
4232...	32-7828	32-7473...	32-8027
7233...	32-7356	32-7480...	32-8027
32-7316...	32-7828	32-7681...	32-7356
32-7348...	32-7356	32-7725...	32-7447
32-7423...	32-7372	32-7776...	32-7372



### SUBSTITUTE AUDIO OUTPUT TRANSFORMERS

Original Part No.	Inter-changeable Substitute Part No.	Original Part No.	Inter-changeable Substitute Part No.
2580...	32-7042	32-7453...	32-7472
2585...	32-7551	32-7461...	32-7753
2635...	2590	32-7566...	32-7020
32-7052...	32-7727	32-7874...	32-7986
32-7223...	32-7286	32-7978...	32-8018
32-7243...	32-7020	32-7981...	32-7996
32-7355...	32-7684	32-7997...	32-7996
32-7446...	32-7753		



# PHILCO

REG. U. S. PAT. OFF.



## GENERAL REPLACEMENT SPEAKERS

*A Complete Line—Home and Auto Radios*

FIELD COIL AND PERMANENT MAGNET TYPES

Engineered to Give Faithful Tone Reproduction of Speech and Music  
Manufactured to the Critical Specifications Requirement of PHILCO Products

### SPEAKERS FOR HOME RADIO RECEIVERS—4- to 10-inch

Voice Coil Impedance at 400 Cycles	Field Coil Resistance D. C.	Output Tubes or Equivalent	Output Trans. Part No.	Speaker Type	Part No.	List Price
3.2	500	Single 35A5	32-8047	BO	*36-1469-1	\$4.00
3.2	500	Single 35A5	32-8044	BO	*36-1469-9	4.00
<b>5-INCH DYNAMIC WITH FIELD COIL</b>						
.95	2600	Single 25A6G	32-7568	B2	36-1204	5.00
1	1700	Single 41	32-7980	B2	36-1426	4.00
3.1	1700	Single 41	32-8046	B2	*36-1461-1	4.50
3.1	1700	Single 41	32-8040	B2	*36-1461-2	4.50
3.1	3000	Single 43	32-7986	B2	36-1444	4.25
3.5	1700	Single 41	32-7955	B2	*36-1390	5.50
<b>5-INCH PERMANENT MAGNET</b>						
3	—	Single 1C5G	32-7995	BO1	36-1442	5.50
3	—	Single 1C5G	32-7995	BO1	36-1435	5.50
3	—	Single 1C5G	32-8036	BO1	36-1451	6.50
<b>6-INCH DYNAMIC WITH FIELD COIL</b>						
.95	1700	Single 41	32-7861	BO3	*36-1345	4.50
.95	3000	Single 43	32-7874	BO3	*36-1362	5.00
5	1600	Single 41	32-8018	B2	36-1452	5.00
5	2000	Single 41	32-7978	B2	36-1439	4.75
<b>5- AND 6-INCH SUPER-SENSITIVE PERMANENT MAGNET</b>						
The two speakers listed below are highly efficient super-sensitive permanent magnet speakers designed especially for battery receivers using a horn type baffle such as Philco Model 39-80 and 39-85. The ideal speaker for any battery receiver when high sound output with high quality of reproduction is desired.						
5.5	—	Single 1A5G	32-7984	B5	36-1410	11.50
5.5	—	Single 1A5G	32-7984	B6	36-1436	12.00
<b>7½-INCH DYNAMIC WITH FIELD COIL</b>						
.95	1140	Single 6F6G	32-7019	K4	*36-1073	5.75
1	700	Single 6F6G	32-7019	K4	*36-1225	5.75
1	1140	Single 6F6G	32-7019	K4	*36-1009	5.75
<b>7½-INCH PERMANENT MAGNET</b>						
1.25	—	Single 19	2580	K4	36-1135	10.00
5	—	Dual 6F6G	32-7927	K4	36-1266	8.50
<b>8-INCH DYNAMIC WITH FIELD COIL</b>						
3.5	1700	Single 41	32-7980	H2	36-1440	6.25
3.5	1700	Single 41	32-7980	H2	36-1449	6.25
3.5	3000	Single 43	32-7986	H2	36-1445	6.50
5	800	Dual 42 Pentode	32-8019	H2	36-1453	6.00
<b>8-INCH PERMANENT MAGNET</b>						
3	—	Single 1C5G	32-7995	H2	36-1447	6.50
3	—	Dual 49	32-8026	H2	36-1455	8.50
3	—	Dual 25L6G	32-8028	H2	36-1455	8.50
<b>10-INCH DYNAMIC WITH FIELD COIL</b>						
5	830	Dual 6F6G	32-8020	H2	36-1459	7.50

\*Includes output trans.

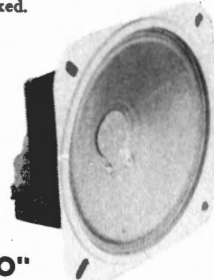
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**TYPE "B"**  
**5- and 6-Inch**  
**Speakers**

Type "B" speaker illustrated above is the ideal small set speaker—exceptionally fine tone quality. Available with and without the output transformer and with field coil or permanent magnet as indicated in the listing. Power handling ability approximately 3 watts.

A super-sensitive permanent magnet speaker in five- and six-inch sizes is also available for battery receivers. These are listed separately on this sheet and the part numbers marked.



**TYPE "BO"**

This speaker is similar to Type "B" and differs only in the style of mounting frame. Speakers with and without output transformers. Field coil and permanent magnet types.



**TYPE "K"**

Here is a high quality highly sensitive speaker for medium sized radio receivers and power amplifiers. This same speaker is used in models of PHILCO home and auto radio receivers and is noted for its excellent tone reproducing ability. Handles approximately 7 watts of audio power. Speakers with and without output transformers. Field coil and permanent magnet types.

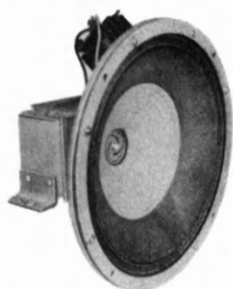
# HOME RADIO AND POWER AMPLIFIER SPEAKERS

11-, 12- AND 15-INCH SIZES



## TYPE "H" 8-, 11- and 12-Inch

The outstanding concert type speaker. High sensitivity—speech and music is superbly reproduced. The perfect speaker for high fidelity and larger receivers. Field coil and permanent magnet type speakers with and without output transformers. The audio power handling ability is conservatively rated, being approximately 7 watts in the 8-inch models to 12 watts in the 12-inch models. A speaker will be found here to cover the circuit requirements of any receiver.



## TYPES "U" and "W"

For those installations such as parks, theaters, auditoriums or any large P. A. system using high power, here is the speaker for the purpose. Excellent frequency response at all high power levels throughout the audio range. Conservatively rated at 25 watts. Supplied with output transformer. Models "U" and "W" speakers are similar in appearance, but different in the diameter of the cone frame, being 11 and 15 inches respectively. The Model "U" permanent magnet speakers are particularly recommended for installations where one or more extension speakers are required.



## TYPE "D"

An unusually sensitive speaker designed especially for automobile radio receivers. Excellent frequency response. Supplied with and without metal grille covers as illustrated and less output transformer. Field coil and permanent magnet types. Power handling ability 3 watts.

Size	Voice Coil Impedance at 400 Cycles	Field Coil Resistance (Ohms)	Types of Output Tubes or Equivalent	Output Trans. Part No.	Type	Part No.	List Price
11-Inch with Field Coil	.95	1140	Single 6F6G	32-7019	H	*36-1220	\$6.25
	1.3	435	Dual 6F6G	32-7754	H	*36-1295	8.25
	1.3	660	Dual 6F6G	32-7754	H	36-1299	6.75
	1.3	2200	Dual 6F6G	32-7634	H	*36-1240	8.25
11-Inch Permanent Magnet	5	—	Dual 43	32-7508		*36-1185	11.00
	5	—	Single 1J6G	32-7638	H	*36-1250	11.00
	5	—	Single 1J6G	32-7758	H	*36-1351	11.00
Designed for Low Power A. C., D. C. and Battery Receivers							
11-Inch with Permanent Magnet	3.7	—	2000 ohm line	32-7558	U	*36-1271	22.50
	3.7	—	500 ohm line	32-7716	U	*36-1273	22.50
10 watts							
Designed for Installations that Require One or More Extension Speakers. Transformers Match Line Impedance and Consume Audio Power as Indicated.							
12-Inch with Field Coil	5	830	Dual 42 Pentode	32-8019		36-1460	9.00
	5.1	860	Dual 6F6G Pentode	32-8020			
			Dual 42 Pentode	†32-7981	H	36-1450	9.00
				†32-7996			
				†32-7997			
	5.1	2400	Single 41	32-7978	H	36-1438	9.00
15-Inch with Field Coil	3.7	350	6A5 or 6B4	32-7751	W	36-1284	22.50
			Class AB				
	3.7	350	Two 6L6	32-7864	W	36-1363	22.50
			Class AB				
	3.7	4300	Two 6L6	36-7905	W	36-1365	22.50
			Class AB				

\*Includes output transformer. †Any one of these transformers may be used with this speaker.

# AUTO RADIO SPEAKERS

PHILCO AUTO RADIO SPEAKERS are Engineered to meet the many complicated acoustical requirements of Auto Radio Receivers—Excellent Tone—High Sensitivity—can be used with Auto Radios of any manufacture.

Size	Voice Coil Impedance at 400 Cycles	Field Coil Resistance (Ohms)	Types of Output Tubes or Equivalent	Output Trans. Part No.	Type	Part No.	List Price
5-Inch with Field Coil	3	4	Single 41	65-0147	D	‡73-0022	\$4.50
	3	4	Single 41	65-0071	D	‡73-0012	4.25
	3	4	Single 42	65-0063	D	‡73-0007	4.75
	4.4	4	Single 41	32-7507	D	‡36-1180	6.00
	4.4	4	Single 41	32-7961	D	‡36-1404	4.00
	5.25	4	Single 41	32-7495	D	‡36-1183	4.00
5-Inch Permanent Magnet	5.25	—	Single 41	32-7831	D	‡36-1342	6.75
	5.25	—	Single 43, 25A6G	32-7817	D	‡36-1356	8.00
6-Inch with Field Coil	.95	6	Single 41	32-7065	K	*36-1018	5.50
	.95	6	Single 42	32-7347	K	36-1147	5.00
	3	4	Single 41	65-0048	K	73-0014	4.25
	3	4	Single 42	65-0053	K	73-0015	4.75
	3.5	3.75	Single 41	32-7956	K	36-1401	4.50
	4.6	4	Single 79	32-7788	B	‡36-1267	4.00
7½-Inch with Field Coil	1.25	4.2	Single 41	32-7765	K	36-1177	5.50
	3	4	Dual 41	32-7967	K	36-1411	4.75
	3	4	Single 42	65-0024	K	73-0008	5.25
	3	4	Single 41	65-0048	K	73-0009	5.00

\*Includes output trans.

‡Includes metal grille and cloth, as illustrated.

†Without metal grille and cloth.

§Type D with special mounting flanges on field coil.

## SPEAKER PLUG CONNECTORS

These plugs fit the male plugs used on speakers listed above.



Three-Prong Female Connector  
Part No. 27-4413

List Price 10c

Four-Prong Female Connector  
Part No. 27-4414

List Price 10c

Five-Prong Female Connector  
Part No. 27-4415

List Price 10c

## GRILLE SILK FOR SPEAKERS

A large variety of grille silks in many designs is carried by all PHILCO distributors. These grille silks are the same as used in all PHILCO radios and will harmonize with any type of woodwork or furniture. Sold by the yard, widths being approximately 50 inches. Increase your service profits by reminding your customers of the replacement grille silks available.



# PHILCO

REG. U. S. PAT. OFF.



## General Replacement

# PILOT LAMPS

LONG LIFE · EVEN ILLUMINATION

*A Lamp for Every Type Radio*



TYPE A

Miniature Screw Base  
Cylindrical Bulb  
Clear Glass



TYPE B

Miniature Screw Base  
Round Bulb



TYPE C

5/8" Bayonet Base  
Round Bulb



TYPE D

Miniature Bayonet Base  
Round Bulb with top painted



TYPE E

Miniature Bayonet  
Round Clear Bulb



TYPE F

Miniature Bayonet Base  
Cylindrical Bulb  
Top Painted  
Special Flat Filament



TYPE G

Miniature Bayonet Base  
Cylindrical Bulb  
Clear Glass

Volts	Current MA.	Type	Filament Bead Color	Part No.	List Price
2.0	60	G	Pink	34-2065	\$0.22
2.0	60	A	Pink	5316	.20
2.1	120	G	White	34-2150	.22
2.5	500	A	White	3463	.09
2.5	500	G	White	34-2221	.09
3.2	500	A	Green	34-2047	.12
6-8	150	A	Brown	4567	.09
6-8	250	A	Blue	6608	.09
6-8	200	B	White	34-2031	.10
6-8	200	D	White	34-2040	.09
6-8	150	F†	Brown	34-2068	.12
6-8*	250	F	Blue	34-2210	.18
6-8	250	F	Blue	34-2184	.15
6-8	250	G	Blue	34-2064	.09
6-8	400	E	White	34-2039	.09
6-8	590	C	White	34-2038	.09

\* Frosted

† Top not painted.

# HOME RADIO PILOT LAMP KIT

Place this Kit on your counter and see how quickly your lamp sales increase.

The four different type lamps contained in this kit will service practically all radios.



Kit Contains 84 Lamps

Quantity	Part No.
21 .....	3463
21 .....	6608
21 .....	342039
21 .....	342064

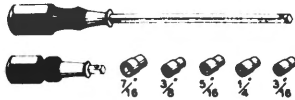
Complete Kit .. Part No. 45-1410

DEALER NET PRICE ..... **\$4.74**



# PHILCO RADIO SERVICE TOOLS

## SOCKET WRENCH KIT



Fits standard nut and screw heads as indicated in the illustration.

Part No. 45-1274, Dealer Net Price.....\$1.89

### Parts of Socket Wrench Kit

Part No.	Dealer Price	Part No.	Dealer Price
Long handle (socket wrench) 7017	\$0.39	3/8" wrench	7021 \$0.24
Short handle (socket wrench) 7018	.30	5/16" wrench	7020 .24
7/16" wrench	.24	1/2" wrench	7019 .24
		3/16" wrench	45-2316 .24
		7/32" wrench*	45-2765 .24

\* Not included in Kit.

## SPECIAL SOCKET WRENCH BITS



Mystery Control stepper unit wrench, Part No. 45-2717, Dealer Net Price, .30  
Phillips head screw, Part No. 45-2524, Dealer Net Price, .27

No. 8 Set screw bit (Allen head set screws), Part No. 45-2424, Dealer Net Price, .21  
Set screw bit 6/32 set screws rectangular head, Part No. 45-2715, Dealer Net Price, .21  
Set screw bit 8/32 set screws rectangular head, Part No. 45-2461, Dealer Net Price, .24

## Magnifying Mirror



For examining soldered connections, switch contacts, etc., in hard-to-see spots. Part No. 45-2474, Dealer Net Price, 36c.

## TEST LEADS



Special Insulation. Sturdily constructed. Red Lead, Part No. 45-2216, Dealer Net Price, 36c. Black Lead, Part No. 45-2215, Dealer Net Price, 36c.

## Eyeletting Punch and Anvil

An indispensable service tool consists of a 3/16" punch and point, anvil and assortment of eyelets. Additional points and punches for various size eyelets listed below.



Kit Part No. 45-1162

Dealer Net Price, \$1.35

## Eyeletting Punches and Points

### STANDARD POINTS

1/8" Point	45-2389
1/4" Point	45-2391
5/16" Point	45-2393
3/8" Point	45-2395
Net Price	\$0.45 each

### PUNCHES

1/8" Punch	45-2390
1/4" Punch	45-2392
5/16" Punch	45-2394
3/8" Punch	45-2396
Dealer Net Price	\$0.60 each

## SPECIAL EYELETING POINTS

1/8" Point (For Transitone Control Head).... 45-2397  
5/32" Point (For Transitone Control Head).... 45-2398  
Dealer Net Price.....\$0.24 each

## Coil Shield Remover



For removing coil shields with spring mounting clips.

Part No. 45-2146

Dealer Net Price..... .39

## Station Setting Wrench



For Philco Models with the concentric tuning dials.

Part No. 45-2475

Dealer Net Price..... .27

## Phillips Head Screw Driver



For small Phillips head screws.

Part No. 45-2522

Dealer Net Price..... .30

## COMBINATION ALIGNING SCREW DRIVER AND WIRE DRESSER



Here is a handy combination padding screw driver and wire dressing tool.

Part No. 45-2610

Dealer Net Price.....\$0.27

## ALLEN SET SCREW WRENCHES



5973

Part No. Dealer Net Price

4/32 Set Screw Wrench	28-5515	.04
6/32 Set Screw Wrench	28-4696	.06
8/32 Set Screw Wrench	5973	.06

## INSULATED ALIGNING WRENCH



(For Padders with Hex Head Nuts and Screws)  
Special fibre aligning wrenches with the entire center moulded to same shape. Permits ends to be cut off as they become worn.

Standard Wrench Part No. 3164  
Dealer Net Price.....\$0.12  
Special Wrench for High Frequency Circuits Part No. 7696, Net Price.....\$0.21

## GLAND NUT WRENCH



28-4380

Auto Radio Control Heads

Part No. 28-4380  
Dealer Net Price, \$0.03

## DIAL DRIVE CABLE



Strong, Durable Cable—Made to give long, trouble-free service, supplied by foot or spool.

Flexible Metal Cable, Part No. 3484	Dealer Net Price per ft.	.10
Fibre Cord (Black), Non-Slip, Part No. 27-9333	Dealer Net Price per ft.	.06
Spool of 25 ft. (Black Cord), Part No. *45-1135	Dealer Net Price	.75
Clips (for making loops on ends), Part No. #-479	Dealer Net Price per hnd.	.18

\* With supply of clips W-479.

## PHILCO RADIO SOLDER

Rosin Core

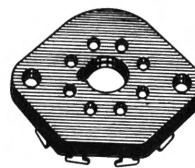
The same high quality solder as used in the assembly of PHILCO RADIOS. Makes clean joints. Flows smoothly.

1 lb. Spool, Part No. 45-1123.....Dealer Net Price \$1.05



## TUBE SOCKETS

(Wafer Type)



High insulation factor.

Exceptionally low in moisture absorption.

Strong contacts maintain positive connections with tube prongs.

### STANDARD SOCKETS

Using Filament Prongs as Guides	List Price
4 prong	27-6018 .10
4 prong (Rectifier Circuits)	27-6006 .10
4 prong	27-6044 .10
5 prong	27-6035 .11
5 prong	*27-6124 .15
6 prong	27-6036 .11
6 prong	*27-6123 .15
7 prong	27-6037 .11

### OCTAL SOCKETS

6 prong (No. 1 & 6 out)	27-6086 .11
6 prong (No. 1 & 6 out)	*27-6121 .15
7 prong (No. 1 out)	27-6087 .11
7 prong (No. 1 out)	*27-6099 .11
7 prong (No. 4 out)	27-6053 .11
7 prong (No. 6 out)	27-6057 .11
8 prong	27-6058 .11

### LOKAL SOCKETS

8 prong, small base	27-6130 .15
8 prong, long base	27-6131 .15
8 prong	*27-6129 .20

\* Special Rubber Material—High Insulation—Impervious to moisture.

PHILCO Parts and Service Division, Philadelphia, Pa.



