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RADIO PARTS

PUBLIC ADDRESS

SERVICE INSTRUMENTS

MOST COMPLETE STOCKS

RADOLEK CO.

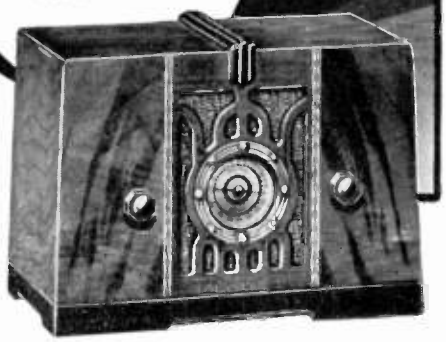
601 W. RANDOLPH ST. CHICAGO.

RADIO PROFIT GUIDE for DEALERS RADIO SERVICEMEN

World Radio History

RADOLEK SUPER

$9.90



4 TUBE AC-DC COMPACT

- Tunes 540 to 175 Meters
- Illuminated Airplane Dial
- 5" Dynamic Speaker
- Gets Police Calls
- High Gain Tubes
- Fine Walnut Cabinet

An Honestly Built Quality Radio

The finest 4 tube AC-DC value we've ever offered. Dozens of samples were tested before we selected this Radio as the "top" in 4 tube AC-DC values. It is small —light—easy to operate—performs perfectly and is very attractive in appearance. The ideal "Personal" Receiver. Easy to carry anywhere. Operates on 105-120 volts A.C. or D.C. current. Gets Police Calls and regular American and Canadian Broadcasts. Excellent for use as a "second" or "spare" set in the Den, Bedroom, Kitchen, Sun Porch, etc. Has a full mellow tone and will bring in many distant stations with real wallop and without distortion. Built of quality materials, carefully assembled and thoroughly tested. This Superb Receiver will outperform similar instruments selling at much higher prices.

Major Tone Features

Pentode Audio System: Clear natural sweet tone. Standard Quality Electro-Dynamic Speaker. Full Size. Extremely sensitive. Extra heavy construction of cabinet, and proper mounting of the speaker, produces tone quality far above the average for receivers of this type.

Major Tuning Features

Receives Standard Broadcast and Police calls: 540 to 175 Meters. Illuminated Airplane Tuning Dial: With large, easy-to-read, well-spaced numerals for quick, accurate tuning. Tapered Volume Control: Even the strongest local stations easily controlled from lowest to highest volume. Extremely fine selectivity.

Electrical Features

High Gain T.R.F. Circuit: Exceptional Selectivity and Sensitivity. More efficient operation. Power Line Noise Rejector: Built-in Line Buffer keeps power line noises out of radio. 4 High Efficiency tubes: Types 6D6; 6C6; 43, 25Z5; giving six tube performance. AC-DC Power Supply: Operates on either 105-120 volt, 60 cycle AC or 110-115 volts DC current. Rigid Chassis Base: Provides a permanently rigid mounting for all units. Perfect alignment of all parts. Completely Shielded: Both Circuit and tubes shielded throughout to attain maximum amplification and stability.

Superb Walnut Cabinet

Beautiful Walnut Cabinet. Sturdily constructed. Front panel has handsome grain, Airplane Dial. Size: 11" Wide, 8" High, 5½" Deep.

BJ10931—4 tube AC.-D.C. Compact Receiver Complete with tubes. List Price, $21.50.

YOUR LOW PRICE, EACH $9.90

In Lots of 3, Each, $9.60

5 TUBE *all-Wave* SUPERHET

$15.95

For 105 120 Volt 50-60 Cycle A.C.

Larger Size Superior Performance

- Tunes 3 Bands 17 to 565 Meters
- Ten Tuned Circuits
- High Gain Superhet Circuit
- 3 Gang Tuning Condenser
- Automatic Volume Control
- Illuminated Airplane Dial
- 15 to 1 Ratio - Zone Tuning
- Full 6½" Dynamic Speaker
- Dual Purpose Tubes
- 7 Tube Performance

A super-powerful A.C. 5 tube "World Wide" Superheterodyne. Positively the greatest Radio "Buy" ever offered. Never before have you been able to secure so much Radio Value for so little money! Incorporates every feature that you will find in receivers selling for double this price. Receives Foreign Stations, American Broadcast, World News, Police Calls, Amateurs, and Airplanes with remarkable clarity and volume. Extremely sensitive . . . extra wide tuning range . . . marvelous lifelike tone. Incorporates the newest developments in Superheterodyne Circuit and newest High Gain Tubes.

LOOK AT THESE FEATURES

Tunes 3 Bands: 510 to 1800 Kc; 1690 to 5500 Kc. 5500 to 18,000 Kc. large 5 inch Illuminated Airplane Tuning Dial with "Zone Tuning" for quick reference tuning. Tapered Volume Control. Automatic Volume Control (A.V.C.) to counteract fading of distant stations and "blasting" of local stations. Balanced Superheterodyne Circuit: 10 Tuned Circuits-Exceptional Sensitivity and Selectivity. Pentode Audio System; Quality 6½" Electro-Dynamic Speaker: Clear natural undistorted tone on speech and music. Built-in Filter prevents radiated interference from other near-by sets. 5 Tubes: Types 6A7; 6D6; 75; 42; 80.

Walnut Table Cabinet

Of modern design and outstanding in workmanship and beauty. Instrument Panel is selected, walnut grain with attractively grained panels on each side finished in a darker shade. Soft brown hand-rubbed lustrous finish overall. Cabinet Size: 14½" H. 12" W. 7½" D.

Price Table Model

For Operation on 105-120 Volts 50-60 Cycle A.C.

BJ11913—5 tube Superhet Complete with Raytheon Tubes. List Price, $37.50.

YOUR PRICE $15.95

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LONG DISTANCE TELEPHONE MONROE 5434

RADOLEK

• COMPANY • *Wholesale Distributors and Manufacturers*

SPECIALIZING IN RADIO

REPAIR PARTS · RECEIVERS · TUBES · TOOLS · BOOKS · PUBLIC ADDRESS
ELECTRICAL EQUIPMENT · TEST EQUIPMENT · ELECTRICAL APPLIANCES

601 WEST RANDOLPH STREET, CHICAGO, ILLINOIS

WALTER C. BRAUN, President

Here Is Your
Guide To Greater
Radio Profits

The New 1936 Edition of the Radolek Radio Profit Guide -- the most complete Radio Man's "Buying Guide" ever published. Everything you need in Radio is here. Easy to read, completely described, with clear illustrations. Better, greater values that will put new life, new buying power into your radio dollar.

This is YOUR BOOK -- Your Super Salesman -- your guide to Greater Radio Profits -- compiled for your use and your profit. Every listing the most complete...every price the biggest dollar's worth. It will pay you well to look through the pages of this New Big Book, to study this Profit Guide from cover to cover.

You, a successful Radio Serviceman, know that your work is no better, no faster than your tools. That's why you purchase Supreme Instruments...you demand the best. But how about your Radio Parts Supplier? That also is of "supreme" importance. You need a dependable, economical source for all your Radio needs. One that will supply you with everything you need, exactly when you need it---and at the right prices. Radolek is the house that can offer you this service...You can depend on Radolek.

Radolek offers you more than any other radio parts supplier. THE MOST COMPLETE STOCK OF RADIO REPAIR PARTS IN THE WORLD! Everything in Radio. One Dependable, Reliable Source for all the Radio Repair Parts, Tubes and Test Apparatus you will ever need; a complete Selection of Radio Receivers - The largest, most complete assortment of Public Address Equipment - Amplifiers, Microphones, Mixers, Speakers -- EVERYTHING you need -- at lower prices than ever before.

RADOLEK SERVICE IS FAST AND DEPENDABLE. We give you that speedy, intelligent and personalized order-handling service that saves you time and money.

RADOLEK'S TRADE PROTECTION POLICY PROTECTS YOU. We offer Wholesale Prices ONLY to those Radio Tradesmen who are qualified to receive wholesale prices. We will not solicit your customer business. We will protect you. It is to your interest to patronize the house that enforces such a policy.

Make Radolek your exclusive Headquarters for Radio Supplies ...You'll make money and save money.

Rely On Radolek For Radio

W. C. Braun

President

World Radio History

World Radio History

RADIO VALUES

5 TUBE AC-DC DELUXE

Your Choice of T.R.F. or Superhet Model

- Either Model Best In Its Class
- Tunes 2 Bands 75 to 540 Meters
- Gets Police Calls and Amateurs
- Illuminated Airplane Dial
- High Gain Dual Purpose Tubes
- Full 5 Inch Dynamic Speaker

An Exceptional Dual Wave Value

Thest are the finest 5 tube A.C. D.C. Values we've offered. We selected these Quality Radios as the most powerful 5 tube A.C.-D.C. Deluxe Receivers. For those who want something "better" in a small set. Combines the highest type of fine reception with beauty and convenient portability. At this low money-saving price, no other Radio Receivers offer you all these superb features.

General Specifications of Both T.R.F. and Superhet Models

Operates on either 105-120 volt, A.C. or D.C. current—Tunes 2 Bands: 75-540 Meters, receives Standard American and Canadian Broadcasts, Police Calls, Amateurs—Illuminated Airplane Dial—Tapered Volume Control—Pentode Audio System and Full size Dynamic Speaker, produces tone quality far above average for receivers of this type.

Superhet Model

The High Gain Powerful Superheterodyne Receiver has greater Selectivity and Sensitivity, More Power and has twice the distance getting ability of even the finest T.R.F. models. Easily cuts through locals. Automatic Volume Control counteracts fading. Built-in Filter, Built-in Line Buffer, Humless. 5 High Efficiency tubes: Types 6A7; 6D6; 75; 43; 25Z5.

BJ10926—Complete with Tubes.
List Price, $27.50.
YOUR LOW PRICE **$14.75**

The T.R.F. Model

For those who want a Receiver for local reception and with a distance getting ability of from 500 miles to a maximum of 1500 miles, this Receiver will prove entirely satisfactory. N better T.R.F. value or performance is offered at anywhere near this low price. 5 High Efficiency Tubes are used including 2 Dual Purpose Tubes. Types: 6C6, 6D6, 25Z5, 43, 50-A2.

BJ10925—Complete with Tubes.
List Price, $25.00.
YOUR LOW PRICE **$11.95**

$11.95

DeLuxe Walnut Cabinet

Both the Superheterodyne Model and the T.R.F. Model are supplied in a Genuine Walnut Cabinet of artistic modern design. Beautifully grained and gorgeously figured front panel. Straight grained Walnut top and sides. Hand-rubbed, soft brown walnut finish. Size overall: 11" wide, 8" high, 6¼" deep.

6 TUBE *all-Wave* SUPERHET

$17.75

Foreign Reception

DeLuxe Super Performance

- Tunes 3 Full Bands
- Superheterodyne Circuit
- Automatic Volume Control
- Illuminated Airplane Dial
- High Gain Dual Purpose Tubes
- Double Tuned I. F. Coils
- Large 3 Gang Condenser
- 6 Inch Dynamic Speaker

The Radio Value Supreme. Greater Volume, Greater Distance, Better Selectivity! Performance and appearance that will please the most careful buyer. Has EVERYTHING you need . . . will bring in EVERYTHING you want to hear. Tunes 3 bands . . . 550 to 1650 Kc., 1650 to 5200 Kc., 5700 to 17,500 Kc. Gets Foreign Reception sharp and clear. Amazing Long Range Reception on Broadcast, Amateurs, and all Police bands, full volume and perfect tone. Illuminated Airplane Tuning Dial: with large, readable, well-spaced numerals for accurate tuning.

Powerful Pentode Audio System:

Tremendous Power Output. Clear natural tone. Standard Quality Electro-Dynamic Speaker: 6¼" diameter. Extra heavy construction of the cabinet and proper mounting of the speaker, produces tone quality far above the average. Tapered Volume Control: Automatic Volume Control: (A.V.C.) Live Rubber Condenser Mounting.

Balanced Superheterodyne Circuit:

Exceptional Sensitivity and Selectivity. New Type I.F. coils give more efficient operation. Power Line Noise Rejector: Built-in Line Buffer keeps line noises out of radio. 6 High Efficiency Tubes; Types 76; 6C6; 6D6; 75; 42; 80; giving eight tube performance. Both Circuits and tubes metal shielded throughout to attain maximum efficiency.

Price
Table Model

For Operation on 105-120 Volts 50-60 Cycle A.C. Current.

BJ10933—6 Tube Superheterodyne
Complete with tubes.
List Price, $39.50.
YOUR LOW PRICE ... **$17.75**

Beautiful Walnut Cabinet

Instrument panel is of beautiful pencil striped walnut flanked by columns of walnut finished in a contrasting darker shade. American walnut top and walnut finished sides. Beautiful hand rubbed piano finish. Size: 14½" high, 11¾" wide, 8" deep.

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World Radio History

MAKE MORE MONEY-

"Bigger Value for SERVICE QUALITY

Restricted Catalog

Radolek Prices are Confidential

We at Radolek firmly believe that Radio Dealers and Radio Servicemen are entitled to a Fair Trade Profit on every Service Call and on all Radio Merchandise sold by them. We try to help the Radio Trade get that fair Margin of Profit and to do all in our power to protect the private Trade buying advantages of our Trade Customers. We exercise painstaking vigilance to restrict the circulation of our catalog exclusively to those, who, in our opinion, are legitimately entitled to buy Radio Materials at wholesale prices. We go to great lengths in conscienciously trying to enforce this policy. We advertise only in Trade and Technical Publications and accept applications for our catalog only after careful checking or investigation. You can Depend on Radolek.

MOST COMPLETE STOCKS

Repair Materials for Every Receiver

The most comprehensive stock of Radio parts in the country has again been amplified to include practically every conceivable radio item that you will require. Over 8000 separate items consisting of Repair Parts and Material, Test Equipment and Instruments, National Brands of Radio Tubes, Public Address Amplifiers and Systems, and a complete selection of Radio Receivers. Never before have such extensive listings of Replacement Transformers, Condensers, Resistors, Volume Controls and other Repair Parts been assembled under one cover and stocked complete by one organization dedicated to your service.

SPEEDY ACCURATE SERVICE

Depend on Radolek for Your Rush Orders

Radolek is organized to handle your orders speedily and with intelligent personal attention. Radolek gives you service that satisfies. The thoroughly trained Radolek personnel understands your need for fast service and the entire Radolek organization is geared to fill your orders accurately and ship them rapidly. You can expect your orders to be on their way back to you the same day they are received by us. We can, and believe we do on the average, give to Radio Dealers and Servicemen within a radius of 500 miles of Chicago FASTER DELIVERY on Radio Merchandise than they can secure through any other channel of trade. Shipments can be laid down OVER-NIGHT in this area! Based on our own experience and a thorough understanding of the actual experience of others, we believe that our method of serving purchasers of Radio Material is the most satisfactory and economical ever devised.

PRICES ALWAYS RIGHT

Radolek Offers Best Values

Radolek prices are the lowest prices at which quality merchandise can be sold. Radolek prices give you the biggest value for your radio dollar. "Your Price" quoted through this catalog is the net wholesale price with all Trade and Cash Discounts deducted. You will find no ambiguous "quantity prices" featured in large type to mislead you. You know at a glance what each item costs you — and the prices quoted here are as low or lower than those quoted elsewhere for like quality high grade merchandise. "List Prices" given are either manufacturers List Prices or are intended by us as a suggested Retail Price. You can Depend on Radolek.

We have made large purchases and heavy committments for merchandise and materials. We expect to be able to maintain prices quoted during the life of this catalog. However we reserve the right to revise prices should market conditions compel us to do so. Should any prices advance we will protect you against increased prices for as long as is reasonably possible. We pledge ourselves not to profiteer — we will not raise prices unnecessarily. But where prices are advanced and as our stocks become exhausted we may be obliged to make adjustments. We hope no increase in prices quoted in this book will be necessary but there may inevitably be some adjustments.

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The RADOLEK GUARANTEE

We guarantee every piece of radio merchandise supplied by us to operate in the manner and for the purpose for which it was designed and intended. We guarantee all merchandise supplied by us against defects in material and workmanship. Any article which does not meet this guarantee, if returned promptly, will be repaired or replaced. We are able to make this guarantee only because we handle the best grade of carefully selected merchandise.

THE RADOLEK CO.

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USE RADOLEK SERVICE

Your Radio Dollar"

Radolek's Determined Policy
is
"WHOLESALE ONLY"

It is the affirmed purpose of Radolek to solicit orders only from those commercially and actively engaged in the radio industry, and from a few other trade units which are recognized as entitled to receive wholesale prices. Radolek is primarily a Service Supply House catering to the Radio Merchant, Service Technician, Design and Research Engineer, Industrial and Institutional Laboratories, Public Utilities, Schools, Colleges, and those recognized as engaged in developing the Art of Radio. We also solicit and accept orders from certain Federal, State, County, Municipal and other Governmental Bodies and Institutions. You can Depend on Radolek.

GUARANTEED QUALITY

Radolek Offers Only First Grade Standard Merchandise

New, Fresh, Clean Stocks. Every item listed in the Profit Guide is of dependable quality, and is guaranteed to give you the service you have the right to expect. We steadfastly avoid offering our customers "job-lot" or questionable merchandise regardless of how attractive the price may seem. Radolek does not take the word of any manufacturer as to quality or performance. Every single item that we offer you is first subjected to the most exacting investigation in order to make sure that you are getting merchandise that will give long and satisfactory service. Radolek offers merchandise of highest standard and quality at the right prices. You can Depend on Radolek.

NEW P.A. EQUIPMENT

Quality and Dependability at Reasonable Cost

Radolek has gone far in building advanced engineering and technical developments into practical Public Address apparatus. During the last year we have designed and produced an entirely new line of Public Address amplifiers which are being offered for the first time in this catalog. Every Radio Serviceman and every Radio Dealer should investigate this field. P.A. work offers attractive profits for the sale of installations and a steady income on rentals and maintenance work. Remember Radolek when you have a P.A. prospect. Radolek leads in the P.A. field. You can Depend on Radolek.

VISIT OUR STORE

Complete Displays of Newest Radio Merchandise

Our Display Room has been remodeled to serve you more efficiently. A new sound insulated demonstration room for Public Address Amplifiers and Equipment will aid you to compare and choose the most appropriate system for your installations.

An enlarged Radio Set section will help you to make a selection of the models most suitable for your trade. Our City trade and our visiting Out-of-Town Customers will appreciate the prompt and courteous service that we are organized to extend in the City Sales Division. You can Depend on Radolek.

We are located just 5 minutes from the center of the downtown "Loop" business district on the corner of Randolph and Jefferson Streets—no parking restrictions.

The Radolek Exchange Policy

We are most liberal in our Policy of rectifying any possible errors on your orders or in replacing defective merchandise. We observe a most fair and square unequivocal attitude on these points. You may depend on it, we will take care of any proper adjustments promptly and in a manner that will please you. However with the exception of errors on order filling, defective items or items sent in for repair we must insist that before returning any other goods to us that you first obtain our permission to do so. Simply write us, stating what you want to return, the reason for the return, the date of purchase, condition of goods, etc. We will answer you promptly giving you any necessary instructions. You can Depend on Radolek.

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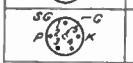
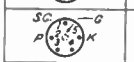
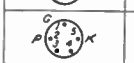
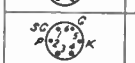
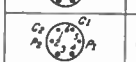
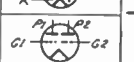
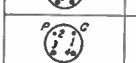
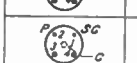
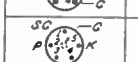
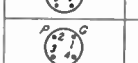
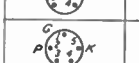
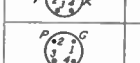
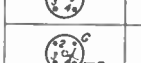
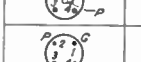
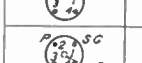
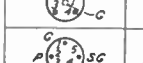
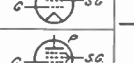
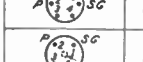
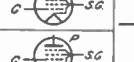
THE RADOLEK CO.

Radolek TUBE CHART

With Bias Resistor Data and Total Power Consumption of all standard American Made Radio Receiving Set Tubes.

See Explanatory Note, Bottom of Page III

Bottom View of Sockets	Tube Circuit Diagram	Type	List	Purpose	Filament Volts	Filament Amps.	Plate Volts	Plate Milliamps	Screen Volts Max.	Screen Milliamps	Neg. Grid Bias V.	Recommended Ohms Bias Resistor	Amplification Factor and approx. D. B. Gain	Recommended Ohms Plate Load and A. C. Plate Res.	Power Output Milliwatts	Max. Power Consumption In Watts
		00A	$1.35	Detector Only	5 D. C.	0.25	45	1.5			- .5		20 *21*	*30000*		1.3
		01A	.70	General Purpose Triode	5 D. C.	0.25	135	3			- 9	3000 ½ Watt	8 *14*	*10000*		1.7
		10	2.10	Power Amplifier Oscillator	7.5 A. C.	1.25	425	18			-39	2170 2 Watt	8 *14*	10000 *5000*	1600	17
		12A	.80	Amplifier Detector	5 D. C.	.25	180	7.7			-13.5	760 ½ Watt	8.5 *14*	10000 *47000*	260	2.6
		14	1.50	Philco Special Det.-Amp.	14 D. C.	0.3	180	4	90	1.7	- 3	525 ½ Watt	400 *52.1*			5.1
		15	2.00	Mixer-Osc. Sub. 1A6	2 D. C.	.205	135	1.85	67.5	0.6	- 1.5	610 ½ Watt	530 *54.5*	*500000*		.7
		17	1.50	Philco Special Det.-Amp.	14 D. C.	0.3	135	4.5			- 9	2000 ½ Watt	9 *19.1*			4.7
		18	2.00	Philco Power Pentode	14 D. C.	0.3	250	34	250	7.5	-16.5	400 4 Watt	220 *46.9*	9000	3000	14.6
		19	1.10	Class "B" Output	2 D. C.	0.26	135	25			0			10000	2100	3.9
		20	1.10	Early Batt. Triode	3.3 D. C.	0.132	135	6.5			-22.5	"C" Batt.	3.3 *9*	6500 *6300*	110	1.3
		22	1.35	Early Batt. Tetrode	3.3 D. C.	0.132	135	3.7	67.5	1.3	- 1.5	"C" Batt.	160 *84*	*325000*		1
		24A	1.00	Screen-Grid Det.-Amp.	2.5 D. C.	1.75	250	4	90	1.7	- 3	525 ½ Watt	630 *88*	*600000*		5.9
		26	.70	R. F. or A. F. Amplifier	1.5 A. C.	1.05	180	6.2			-14.5	2320 1 Watt	8.3 *14*	*7300*		2.6
		27	.80	General Purpose Triode	2.5 A. C.	1.75	250	5.2			-21	4100 1.5 Watt	9 *14.5*	*9250*		5.8
		29		High Mu Detector	2.5 A. C. D. C.	1	180	4.5			- 3	6675 ½ Watt	30 *24.6*	*300000*		3.3
		30	.80	General Purpose Triode	2 D. C.	0.06	135	3			- 9	3000 ½ Watt	9.3 *14.6*	*10300*		.53
		30S		Spec. Triad S-W Tube	2 D. C.	0.06	135	3			- 9	3000 ½ Watt	9.3 *19.4*	*10300*		.53
		31	.80	Pwr. Amp. Triode	2 D. C.	0.13	135	8			-22.5	2800 or "C" Batt.	3.8 *915*	7000 *4100*	185	1.4
		32	1.35	R. F. Amp. Tetrode	2 D. C.	0.06	135	1.7	67.5	0.4	- 3	1425 or "C" Batt.	610 *89*	*950000*		.38
		33	1.10	Pwr. Output Pentode	2 D. C.	0.26	135	14.5	135	3	-13.5	770 or "C" Batt.	70 *81*	7000 *50000*	700	2.81
		34	1.35	Var. Mu. R. F. Amp.	2 D. C.	0.06	135	2.8	67.5	1	- 3	800 or "C" Batt.	360 *88*	*600000*		.56

Electric "Neon-Effect" Sign

A Business Stimulator that Brings RESULTS

It Tells! It Sells!

Advertise! Let these attractive Signs tell the world YOU fix 'em. Your Service calls will increase—your PROFITS will increase—and your shop will be identified as radio headquarters in your locality. Customers won't flock to your shop if it is dark and unattractive. Brighten it up! Install an Electric Sign. **Install One of These Signs.**

3F10733— YOUR PRICE ONLY ... $1.98

Size 15"x7"x5"

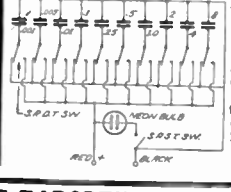
This sign tells every passerby the location of your business. A sales help you need. The greatest sign value of this type ever offered. Sturdily constructed of metal, enameled black with aluminum finished trim. Background on glass is black and the words "Radio Service" are in red "neon-effect". Interior illuminated with single lamp. Economical to operate. Easily read from a great distance. Lamp socket and attaching cord included. No lamp bulb included.

Radolek Condenser "Box"

Supplies from 0.0001 to Over 15 Mfd!

A Device for Quickly Substituting Capacity Values in a Circuit Suspected of Having an Open Condenser.

Contains a calibrated straight line variable condenser of 0.001 Mfd. maximum capacity and the following non-polarized 450 volt condensers: 0.005; 0.01; 0.25; 0.5; 1; Mfd. Three electrolytic filter condensers rated for 450 volt circuits: 2, 4, and 8 Mfd. respectively. Any of these capacities may be combined in parallel to secure a net value, the sum of the individual capacities. Each condenser is controlled by a SPDT toggle switch. **This switch automatically discharges its individual condenser when not in use.** Switches are plainly marked.



Neon Polarity Indicator

May be switched across the test circuit to indicate polarity of circuit or presence of alternating current. Case is of genuine walnut with interlocking joints assuring rigidity. Size 5½"x8½"x1¾" deep. Supplied with pair of 24" test cords with banana spring tip prongs and alligator spring clips. **This is the best value on the market in a Condenser Test Box.**

3F5898— YOUR PRICE $6.95

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World Radio History

BATTERY RADIO *Values!*

Amateurs, Air Planes, Police Calls

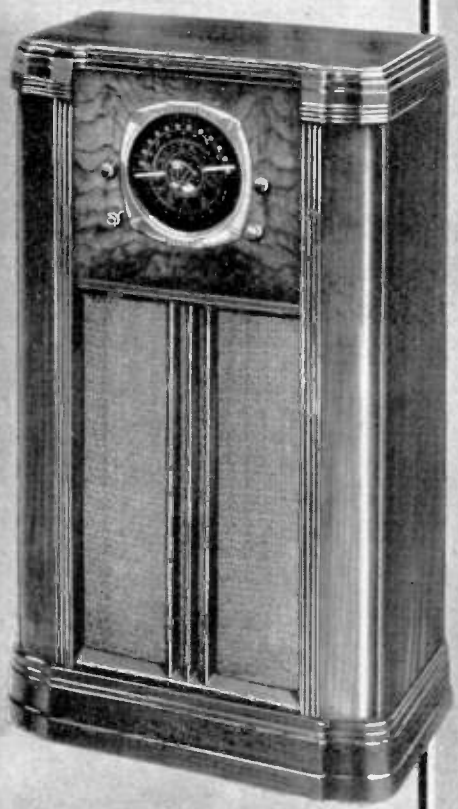
NO "B" BATTERIES REQUIRED

FOREIGN RECEPTION

7 TUBES PLUS PLUG-IN TYPE VIBRATOR

FEATURES

- ★Tunes 3 Bands 17 to 565 Meters.
- ★Giant 8 inch Dial with Band Spread Tuning Ratio.
- ★New "Zone Tuning" Scale with Exclusive Indexing System.
- ★13 Tuned Circuits.
- ★3 Microvolt Sensitivity.
- ★10 Kc. Selectivity.
- ★3 Gang Condenser with Pre-Selector Stage.
- ★2 Stages Double-Tuned I.F. (456 Kc.)
- ★8" Orthovox Permanent Magnet Dynamic Speaker.
- ★Push Pull Output Type "19" Pentode.
- ★Variable Personal Tone Control.
- ★Automatic Volume Control.
- ★Large Deluxe Chassis with Radio Robot.



For Rural Homes

7 Tube Battery Table Model

BJ10950—Complete with 7 Sylvania Tubes. Fitted with an 8 inch Orthovox Permanent Magnet Dynamic Speaker. No Battery included. List Price, $59.50.

YOUR PRICE

$32.75

Lots of 3, Each, $31.77

A More Powerful Farm Receiver

More tubes—greater power—better tone. The "top" in Battery Receivers. Tunes 3 Bands 17 to 565 meters. Brings you better Foreign Reception, Police Calls, Long Range Standard Broadcast and superior all-around performance. Gets all its power from a single 6 volt battery. No "B" or "C" Batteries are used. Answers the need for super-efficient radio performance in rural districts. Wonderfully economical in operation, offering A.C. set performance and convenience. Easy to install. Just connect it to any 6 volt storage battery. No resistors, no converters, no bother. Here is the best, most satisfactory Battery Receiver available—far superior to any peviously offered. In 1935 Radolek pioneered the first low drain 6 Volt Battery Receiver and now is the first to present this Seven Tube 6 Volt Battery Set—the successful result of long engineering effort to build the finest Six Volt Battery Receiver. 7 actual High Efficiency Tubes are used plus a Plug-In Type Vibrator—equal to what is sometimes referred to as an 8 tube assembly.

7 Tube Battery Console

BJ10951—Complete with 7 Sylvania Tubes. Fitted with an 8 inch Orthovox Permanent Magnet Dynamic Speaker. No Battery included.
List Price, $79.50.

YOUR PRICE

$39.75

Lots of 3, Each, $38.56

Extremely Low Battery Drain

Operates from only a 6 Volt Storage Battery. No "B" or "C" batteries required. The phenomenally low battery drain of only 1.7 amps. brings the actual operating cost down to approximately one cent an hour. No other type of Battery Receivers equal this economy. See page 7 for Storage Battery listing.

Circuit Specifications

Tunes 3 Bands: 17 to 51, 52 to 174 and 174 to 565 Meters. High Gain Superheterodyne Circuit—13 Tuned Circuits—New Double-tuned I.F. Coils—10 Kilocycle Selectivity—3 Microvolt Sensitivity. Large 3 gang rubber-mounted Variable Condenser coupled with two I.F. Stages permits tuning through local stations for distant or Foreign Reception. 7 High Efficiency Tubes: Types 1-1C6. 2-34, 3-30, 1-19 giving ten tube performance. The Continuously Variable Tone Control permits adjusting the radio to receive each program at its best. Push-Pull Output into an 8" Orthovox Speaker provides mellow life-like tone. Automatic Volume Control eliminates inter-station noise when tuning and counteracts fading on distant stations. Licensed by RCA and Hazeltine.

Price of Chassis

With 8" Speaker

BJ10952—Complete with 7 Sylvania Tubes, Speaker, Knobs, Dial Assembly and Escutcheon. For 6 Volt Operation.

Your Price

$29.35

Impressive Console

A handsome Console with all the grace and beauty that distinguishes fine furniture. Center instrument panel of gorgeously figured stump Walnut. Top is of attractively grained American Walnut. The gracefully curved pilasters, and grille columns are of Walnut, finished in a contrasting darker shade. A lustrous elegant hand-rubbed piano finish brings out all the natural color and beauty of the choice wood grains. Console size: 40" H, 22" W, 11" D.

Exquisite Table Model

A superb cabinet creation! Top and sides are in a beautiful shade of medium Walnut tone with the front of beautifully figured Burl Walnut in a contrasting lighter shade. Entire cabinet is hand-rubbed to a rich lustrous piano finish. Solid construction provides ample baffle for the giant 8" Speaker. Size: 18½" H, 12½" W, 9" D.

Giant 8" Dial With Indexing System

Easy-to-operate. Bottom half of dial is calibrated in megacycles and also has five "zones", marked with the names of Foreign countries. The standard broadcast band also incorporates "zone tuning".

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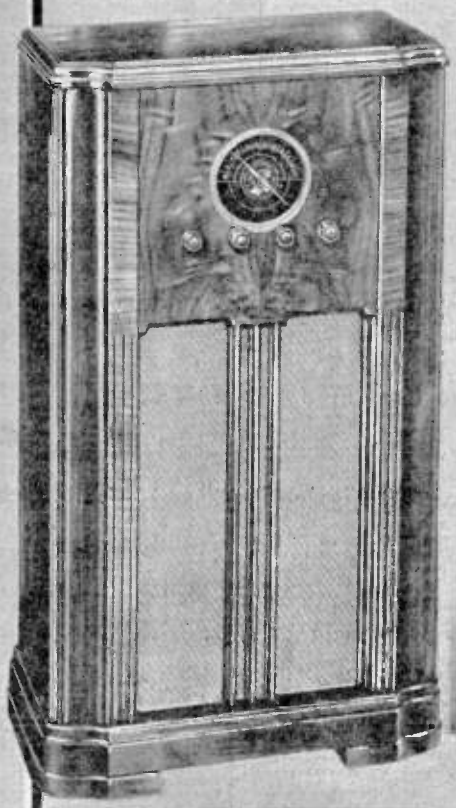
World Radio History

New RADOLEK 6 VOLT

Foreign and American Broadcast

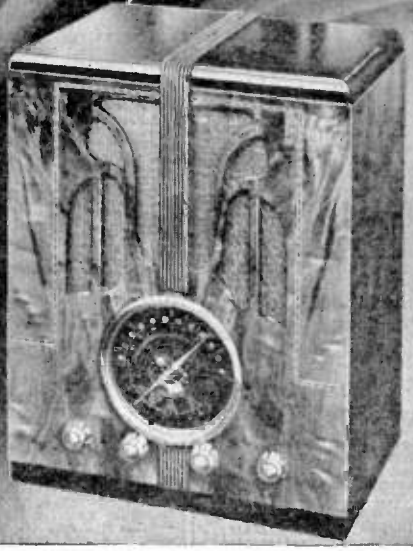


TUBES
PLUS PLUG-IN TYPE VIBRATOR

ECONOMICAL OPERATION
SUPERHETERODYNE

FEATURES

- ★Tunes 3 Bands 17 to 565 Meters.
- ★Large 5" Three Color Illuminated Dial.
- ★Zone Tuning Scale with Exclusive Indexing System.
- ★11 Tuned Circuits.
- ★Extreme Sensitivity Precise Selectivity.
- ★2 Gang Condenser Rubber Mounted.
- ★1 Stage Double Tuned I.F. (456 Kc.)
- ★6" Orthovox Permanent Magnet Dynamic Speaker.
- ★Push-Pull Output Type "19" Pentode.
- ★Variable Personal Tone Control.
- ★Automatic Volume Control.
- ★Low 1.25 Ampere Battery Drain.
- ★Piano-Finished Cabinet



City Entertainment

6 Tube Battery Console

BJ10935—Complete with 6 Sylvania Tubes. Fitted with an 8 inch Orthovox Permanent Magnet Dynamic Speaker. No Battery included. List Price, $65.00.

YOUR PRICE

$33.95

Lots of 3, Each, $32.03

A Fine Farm Receiver

The Newest, most Modern 6 Volt Battery Receiver for use where power current is not available. This 6 tube Three Band "Low-Drain" Superhet easily and economically brings to the Rural and Suburban home, Summer Cottage and isolated locations, every type of Radio Program that you could desire. Tunes 3 bands 17 to 565 meters. Gets Foreign Stations, American Broadcast, Amateurs, Airplanes and Police Calls. Equals or surpasses in performance the best A.C. operated receivers of similar design . . . and the purchase cost is surprisingly low for such performance and quality. The operating cost is very low—only a few dollars per year. In this Battery Receiver, Radio again offers you all its wonderful Magic in Entertainment. To those who have struggled along with the old type obsolete battery receivers it will reveal Power, Selectivity and Tone far beyond anything ever imagined. Nearby or Distant Stations with power and volume enough for medium sized auditoriums. True High Fidelity Tone along with all other modern features incorporated only in the finest Receivers.

6 Tube Battery Table Model

BJ10936—Complete with 6 Sylvania Tubes. Fitted with a 6 inch Orthovox Permanent Magnet Dynamic Speaker. No Battery included. List Price, $49.50.

YOUR PRICE

$24.65

Lots of 3, Each, $23.01

Extremely Low Battery Drain

Operates from only a 6 Volt Storage Battery. No "B" or "C" Batteries required. The phenomenally low battery drain of only 1.25 amps., brings the actual operating cost down to less than one cent an hour. No other type of Battery Receivers equal this economy. See page 7 for Storage Battery Listing.

Circuit Specifications

Tunes 3 Bands: 17 to 51, 52 to 174, and 174 to 565 Meters. High Gain Superheterodyne Circuit. Six tuned circuits for each band. New type I.F. coils—More efficient operation. Exceptional Selectivity and Sensitivity. 6 High Efficiency RCA Tubes: Types 1-1C6; 1-34; 1-32; 2-30; 1-19 giving nine tube performance. Continuously Variable Tone Control permits adjusting the radio to receive each program at its best. Automatic Volume Control eliminates inter-station noise when tuning and counteracts fading on distant stations. Rigid Chassis Base—Provides a permanently rigid mounting for all units—Both Circuits and Tubes completely shielded throughout to attain maximum amplification and stability. Safe from Fire and Shock.

Price of Chassis

With 8" Speaker

BJ10932—Complete with 6 Sylvania Tubes, 8" Speaker, Knobs, Dial Assembly and Escutcheon. For 6 Volt Battery Operation.

Your Price

$24.15

Beautiful Table Cabinet

A Cabinet of striking appearance and exclusive design combining quality with beauty, modern style and solid substantial construction. The front panel is of gorgeously figured stump walnut veneer with genuine marquetry inlay. Ribbed overlay on top and front add grace and charm. Selected walnut finished. Fine quality lacquer finish, handrubbed to a lustrous soft brown walnut shade. Cabinet Size: 15½" high, 12½" wide, 8" deep.

Stately Console Cabinet

Modern style and beauty combined with strong construction. The instrument panel is of delightfully blended butt walnut flanked by columns of cross striped walnut. Gracefully curved walnut pilasters and American Walnut top. Soft brown hand-rubbed finish. Overall dimensions: 46" high, 20" wide, 10" deep.

5 Inch Dial with Zone Tuning

New Two Color Illuminated Airplane Dial with exclusive indexing system showing exactly where to receive any American or Foreign broadcast. Dial also has standard Kilocycle and Megacycle calibrations.

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This INDEX LOCATES YOUR WANTS QUICKLY

WE WILL SEND YOU A GENEROUS SUPPLY OF ORDER BLANKS ON REQUEST

Microphone
Connectors 105
Control Unit 103
Crystal 100
Diaphragms 103
Input Control 103
Jack 104
Mixing Control 103
Plugs 104
Preamplifiers 126
Receptacle 104
Ribbon 101
Rings 99, 101, 105
Sockets 104
Springs 101
Stands 101, 105
Transformers 104
Velocity 101
Midget Condensers 74, 75, 76, 78, 79, 80
Midget Potentiometers ... 31
Midget Radios 2, 3, 127 to 132, 162, 163
Milliammeters 24, 26, 27, 31, 33
Millivoltmeters 24, 26, 27, 31, 33
Miniature Switches 92
Mixing Panel, Public Address 103
Mixing Transformer 104
Motors, Phono 102, 103
Mountings, Fuse 31
Mounting Plates Auto Radio 153, 155
Mountings, Resistors 53
Multiple Switch ..27, 31, 93
Multi-Adapter, Tube..28, 29
Multi-Cable Connectors 30, 104
Multi Range Voltmeter Kit 27, 32, 33

N Nail Knobs 95
Needle, Phono 103
Needle Point Prods..144, 145
Neon Glow Lamps 156
Neon Tattletite Tester....144
Neutralizing Condensers 29, 77, 83
Neutralizing Tools 144
Nichrome Wire 87
Nippers 142
No Koil Speakers 97
Nuts 89

O Official Service Manuals 68
Ohmmeter 18, 22, 25, 27
Outlet Plugs 87
Outlet Receptacles 87
Output Indicator RCA ... 8
Ouput Transformers 41, 44, 45, 48, 49, 104
Oscillator Coils 84, 85
Oscillators, Test .....17, 18, 19, 21 to 24
Oxford Speakers 106

P Padding Condensers 29, 77
Panel Boring Tools 142
Panel Light 31
Panel Meters 24, 26, 27, 31, 33
Panels, Aluminum 88
Panels, Bakelite 33, 89
Panels, Hard Rubber ... 89
Panels, Instrument 33
Parcel Post Rates 159
Pen Screw Driver 141
Pencil, Electric 142
Pencil Prods 144, 145
Permanent Magnet Speakers 35, 37, 40, 106

PHILCO

Philco All-Wave Aerial..133
Philco Cond. Test Box.... 15
Philco Parts, Genuine .....131 to 139
Philco Manual 15, 147
Philco Output Meter 15
Philco Power Transformers 43, 47, 71
Philco Replacement Transformers 44
Philco Signal Generator.. 24
Philco Tubes 15
Philco Volume Controls 65, 66
Phix Crack Filler 40
Phones 34
Phone Cords 31, 98
Phone Cushions 34
Phone Jacks 92
Phone Plugs 70
Phonograph Adapters ... 29
Phonograph Cutting Head 103
Phonograph Fader 58, 59
Phonograph Mixing Stage 103
Phonograph Motors..102, 103
Phonograph Needles 103
Phonograph Pickup Transformers 104
Phonograph Records 103
Phono Portable 105
Phono Pickups 102
Phono Recording Blanks 103
Phono Record Changer....102
Pigtail Wire 98
Pilot Light Bulbs 86
Pilot Light, Jewelled ... 31
Pioneer Air Flo Charger.149
Pioneer Audio Transformers 48
Pioneer Genemotors 149
Pliers 142
Plug-In Prongs 145
Plugs, Analyzer 28
Plugs, Appliance 87
Plugs, Banana 145
Plugs, Cable 30
Plugs, Electric 31, 87
Plug Fuses 87
Plugs, Microphone 104
Plugs, Phone 70
Plugs, Polarized Ant. & Gnd. 87
Plugs, Speaker 30, 70
Plugs, Tip 92, 145
Porcelain Wall Tubes 95
Portable Amplifier Cases .....50, 114 to 123
Portable Instrument Cases 18, 33
Portable P. A. Amplifier .....108 to 113, 124
Portable Phono Motor....105
Portable Speaker Case....105
Posts, Binding 87, 145
Posts, Corner 88
Potentiometers ...31, 56 to 71
Potter Condensers 81, 82
Powerack 149
Power Cords 54
Power Pack A.K. Exact Duplicate 82
Power Supply, Auto Radio 149
Power Supply, Speaker Field 36
Power Transformers 41 to 49
Pre-Amplifiers 126
Precision Resistors ..31, 32, 53
Prods, Test 144, 145
Public Address Amplifiers .....50, 108 to 126, 149
Public Address Book 68, 147
Public Address Equipment .....99 to 126
Public Address Speakers 106, 107
Public Address Speaker Housing 105
Punches Condenser & Socket 90
Push Back Wire 97
Push Button Switches 90, 92, 93

R RCA All Wave Aerials 133
RCA Crystal Calib. 23
RCA Oscillograph 23
RCA Parts, Genuine 140
RCA Permanent Magnet Speaker 40
RCA Reference Chart 67
RCA 3-Point System.....140
RCA Tubes 9
RCA Univ. Bridge..... 23
RCA Victor Volume Controls 66, 67
RCA World Wide Aerial..133
R. F. Coils 84, 85
Racon Sound Equipment 107
Radiart Vibrators 150
Radio, Auto ...132, 157, 158
Radio Receivers....2, 3, 127, to 132, 157, 158, 162, 163
Radio Tubes 7, 9, 11, 13, 15
Radio Tube Data 6, 8, 10, 12, 14, 16
Radio Tube Manual 8, 9, 11, 13, 15, 16
Radolek All Wave Aerials 133
Radolek Foundation Meter 33
Radolek Microphone ..99, 101
Radolek Resistance Indicator 60
Radolek Volume Controls.. 63
Rates, Transportation ...159
Raytheon Rectifiers 16
Raytheon Tubes 7
Readrite Meters 26, 27
Readrite Test Equipment.. 17
Receptacles, Microphone...104
Record Changer 102
Recording Head 103
Recording Head Screws..103
Recording Machine 103
Recording Needles 103
Records, Blank Recording 103
Records, Phono 103
Rectifier B. H. 16
Rectifier, Disk 156
Rectifiers, Meter 33
Rectifier Tubes 156
Refinishing Kit RCA 8
Refrigeration Manual ... 68
Repair Service, Meter.... 25
Replacement Field Coils 39, 40
Replacement I.F. Coils... 84
Replacement Speaker Cones 38, 39
Replacement Vibrators .....150 to 153
Resistance Handbooks ... 68
Resistance Indicators 52, 54, 60
Resistance, Line Cord 54
Resistance Tubes 13
Resistance, Variable..53, 55
Resistant Wire 52
Resistors .....51 to 55
Resistors Center Tapped. 53
Resistor Clips 54, 55
Resistor Kits 51, 52, 55
Resistors
Carbon 51, 55
Electrad 31, 53
Metalized 52
Meter Multiplying 31, 32, 53
Precision 31, 32, 53
Spark Plugs 52, 154
Tapped 53, 54, 55
Truvolt 53
Variable 53, 55
Vitreous Enameled 55
Wire Wound .....52 to 55
Rewind Transformer Service 55
R.F. Chokes 84, 85
R.F. Coils 77, 84, 85
Rheostats 63
Rheostats, Power 59
Ribbon Microphones.....101
Ribbon Microphone Transformers 104
Rider's Manuals 146
Rings, Microphone...90, 101
Rings, Speaker Cone..... 90
Rivet Tool 90
Rivets 90
Rods, Bakelite 89, 90
Rola Speaker P.A. 106
Rosin Core Solder 143
Rotary Converters 149
Rotary Switches ..27, 31, 93
Rubber Feet 90
Rubber Grommets 90
Rubber Panels 89
Running Board Aerials...155

S Sal-Ammoniac Cake ..142
Sangamo Condensers.. 80
Saws 142
Saw Blades 142
Scales, Meter Dial 32
Scratch Remover 40
Screen Grid Clips ...29, 89
Screen Mesh, Auto Aerial 155
Screw Assortment 89
Screw Drivers 141
Screws 89, 90
Screws, Spkr. Mtg. 90
Sealing Compound 90
Selector Switches ..27, 31, 93
Service Manuals 68, 146, 147
Set Analyzers .....17 to 25
Shaft Couplings and Fittings 90
Shaft Extension 65, 90
Shafting 90
Shields 88
Shield Cans 88
Shield Copper Foil 88
Shield Braided Sleeving. 153
Shield Grid Clips 89
Shielded Aerial Wire....153
Shielded Cables 153
Shielded Microphone Cable 98
Shims Cone 40
Short Wave Aerials 95, 96, 133
Short Wave Coils Shunt.. 88
Short Wave Condensers... 83
Short Wave Radios ...2, 3, 127 to 131, 162, 163
Shunts, Meter 31, 32, 53
Shure Microphones 99
Shure Mike Stands 105
Signal Generator....17 to 24
Sign, Electric 6, 9, 11
Snips 142
Socket Adapters 28, 29
Socket, Candelabra 156
Socket Hole Punch 90
Socket Lamp 156
Sockets, Microphone 104
Sockets, Pilot Light 70
Sockets, Tube 30
Socket Wrenches 141
Solder 143
Solder Lugs 89
Solder Paste 143
Soldering Irons 54, 143
Soldering Iron Tips 143
Sound Projection Control.. 58
Sound Truck Genemotors 149
Spade Lugs 90
Spaghetti Tubing 97
Spark Plug Suppressors 52, 154
Sparton Transformers..44, 47
Speaker Cabinets 37, 105
Speaker Cable 98
Speaker Carrying Case...105
Speaker Cones 38, 39
Speaker Cords 34, 98
Speaker Field Coils....39, 40
Speaker Field Power Supply 36
Speaker Horns 105, 107
Speaker Housing 105
Speaker Plugs 30, 38
Speaker Replacement Cones 38, 39
Speaker Cone Rings 40
Speaker Shims 40
Speaker Tester 40
Speaker Trumpets...105, 107
Speaker Units 34, 107
Speakers ...35, 36, 37, 40, 106, 107
Speakers, Crystal 105
Speakers, Public Address 105, 106, 107
Spintite Wrenches 141
Sprague Condensers 79
Sprague Interference Analyzer 69
Spring, Aerial Tightener. 96
Springs, Microphone Suspension 101
Stancor Transformers 41 to 45
Stand, Solder Iron 143
Standoff Insulators 95
Stands, Microphone .101, 105
Staples, Insulated 87
Stick Tape Aerials 94
Strain Insulators 95
Superhet Coils 84, 85
Superheterodyne Condensers 83
Suppressors, Auto Radio 52, 154
Supreme Instruments 20, 21
Suspension Rings, Microphone 99, 101, 105
Switch Contacts 90
Switch Levers 90
Switches 27, 31, 90, 92, 93
Switches, Jack 92
Sylvania Tubes 11

T "T" Pads 58, 59
Taps and Dies 142
Tap Plug-Trio 87
Tap Switch 27, 31, 93
Terms 159
Terminals, Battery 156
Terminal Strips 87
Test Adapters 28, 29
Test Clips 145
Test Equipment .....17 to 25
Test Light, Neon 141
Test Oscillators .....17 to 24
Test Prods 144, 145
Test Prod, Snap Type....145
Test Set Cases 18, 31, 33
Thordarson Transformers 49, 104
Thordarson Capacity Tester 24
Tip Jacks 92, 145
Tips, Phone 92, 145
Tips, Soldering Iron.....143
Tobe Filterettes 91
Toggle Switches 92, 93
Tone Controls .....56 to 71
Tools .....141 to 145
Tool Boxes 142
Transformers, Audio 44, 48, 49, 104
Transformers, Class "B" 48, 49
Transformers, Exact Duplicate Audio 44
Transformers, Exact Duplicate Power 43, 47
Transformers, Filament 41, 46, 48, 49
Transformers, Intermediate Frequency 84, 85
Transformers, Line to Line 104
Transformers, Line Matching 36, 104
Transformers, Mike 104
Transformers, Mixing 104
Transformers, Output 41, 44, 45, 48, 49, 104
Transformers, Phonograph Pickup 104
Transformers, Power 41, 42, 43, 45, 46, 47
Transformers, Tube to Line 104
Transformers-Tube to Voice Coil 104
Transformer Brackets 90
Transformer Repair Service 55
Transformer Sealing Compound 90
Transmitting Tubes, RCA 9
Triad Tube 13
Trimmer Condensers ..84, 85
Trio-Tap 87
Triplett Instruments..18, 19
Triplett Meters 26, 27
Triumph Instruments 23
Trumpet Horns 105, 107
Transposition Blocks 95
Tubes, Radio .....7 to 15
Tubes, Adapters 28, 29
Tube Bases 30
Tube Charts 6, 8, 10, 12, 14, 16
Tube Kits 13
Tube Shields 88
Tube Shield Base 30
Tube Sockets 30
Tube Stickers 7, 9, 11
Tube Testers .....17 to 25
Tube Tester Adapters..28, 29
Tube Tester Transformer 41, 45, 48
Tube to Line Transformer 104
Tubing, Bakelite 89
Tubing, Braided Shielded.153
Tubing, Flexible Braided. 97
Tubular Condensers..74 to 81
Tungar Type Rectifiers...156
Tuning Dials 86
Tuning Meters 27, 37
Tuning Wand 84, 144
Turn Table, Weighted...103
Tweeter High Frequency 105
Twin Jacks 33, 92
Twisted Pair Lead in Wire 94, 95

U Units, Baldwin 34
Units, Dynamic 107
Universal Mounting Transformers 41, 48, 49
Universal Microphones.... 99
Universal Output Transformers 36, 41, 48, 49, 104
Utah Speakers 35, 107

V Vacuum Tube Voltmeter 29
Van Shunts 32
Variable Condensers 83
Variable Resistors ...53, 55
Velocity Microphones 101
Vibrator Condensers..77, 151
Vibrator Units..150, 151, 152
Vibrator Replacement Guide .....150 to 153
Vises 142
Voice Coil Assembly ..38, 39
Volt Ohm Meter 24, 26, 27, 31, 33
Volt Ohmmeter Kits 25, 27, 32, 33
Voltage Dividers 53, 55
Voltage Regulators....91, 148
Voltmeter 26, 27
Volume Controls 56 to 67, 70
Vol. Cont. Extension Shaft 65
Volume Control Guide 56 to 71
Volume Control Hook-ups. 60
Volume Control Strips 57
Volume Control Taper Curves 57
Volume Control Switches 56, 61, 63, 64, 65

W Wand, Tuning ...84, 144
Washers 89, 90
Wax Liquid 40
Weatherproof Cable 153
Weatherproof Lead-in Wire 94, 95, 97, 98
Weston Meters 24
Wheatstone Bridge ...23, 25
Westinghouse RCA Reference Chart 67
Wind Charger 149
Wire, Aerial 94, 97
Wire, Bus Bar 53
Wire, Bell 87
Wire, Ignition 153
Wire, Galvanized Guy... 95
Wire Lead-in 94, 95, 97, 98
Wire, Magnet 97
Wire, Manganin 32
Wire, Microphone 98
Wire, Hook-up 97
Wire, Nichrome 87
Wire, Shielded 98
Wire Shielding 153
Wire Stripper 94
Wire, Test Leads 144, 145
Wood Screws 89, 90
Wrenches 141
Wright De Coster Speaker 37

Y Yaxley Potentiometers 64, 65
Yaxley Switches ...65, 92, 93

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World Radio History

This INDEX LOCATES YOUR WANTS QUICKLY

WE WILL SEND YOU A GENEROUS SUPPLY OF ORDER BLANKS ON REQUEST

A "A" Batteries 148
A.C. Generator 149
A.K. Exact Duplicate Power Packs 82
Adapters, Analyzer 28, 29
Adapters, Tube 28, 29
Adapter Forms, Blank.... 29
Adapters, Phonograph 29
Advertising Sign....6, 9, 11
Aerials, Auto Radio.....155
Aerial Equipment..94 to 97
Aerial Masts 95
Aerials Stick Tape 94
Aerovox Condensers 78
Air Cell Battery 148
Air Cell Conversion Plug 91
Airplane Dials 86
Aligning Tools 144
All Wave Aerial Kits 95, 96, 133
All Wave Receivers 2, 3, 127 to 131, 162, 163
All Wave Oscillators .....17 to 24
Alligator Clips 145, 156
Aluminum Panels 88
Aluminum Records 103
Aluminum Solder 143
Ammeters 26, 27
Amperite Ballast Tubes .. 91
Amperite Microphones ...101
Amplifier Carrying Case .....50, 114 to 123
Amplifier Shields ...110 to 123
Amplifiers Public Address .....108 to 126, 149
Amplifier P. A. Kits.... 50
Analyzer Adapters 28, 29
Analyzer Cables 28, 98
Analyzer Cases 18, 33
Analyzer Sockets 30
Analyzers, Test ....17 to 25
Angle Brackets 90
Antenna Capacity Tester 152
Antenna Coils ...77, 84, 85
Antenna Couplers 35, 95
Antenna Equipment. 94 to 97
Arrestors, Lightning 96
Assortment Hardware ... 89
Attenuators 58, 59
Audio Chokes 45, 49
Audio Transformers ..44, 48, 49, 50, 134 to 139
Auto Battery Chargers...149
Auto Radios ...132, 157, 158
Auto Radio Accessories 154, 155
Auto Radio Aerials 155
Auto Radio "B" Eliminators 149
Auto Radio Condensers 151, 154
Auto Radio Mtg. Plates 153, 155
Auto Radio Parts, Philco. 138, 139
Auto Radio Service Manual 68, 146, 147
Auto Radio Shielded Lead-in 153
Auto Radio Speakers 35, 36, 106, 107
Auto Radio Vibrators .....150 to 153
Automatic Record Changer 102

B "B" Batteries 148
"B" Eliminators—Auto 149
"B" Eliminator 32 volt..149
Baffles, Dynamic ...105, 107
Bakelite Knobs 33, 77
Bakelite Panels 33, 89
Bakelite Rods, Shafting 89, 90
Bakelite Tubing 89
Balancing Condensers 29
Balancing Tools 144
Baldwin Phones—Units .. 34
Ballasts, Line 55, 91
"Banana" Plugs 145
Bar Knobs 33
Batteries, Air Cell 148
Battery Cables 156
Battery Chargers 149
Battery Clips 156
Battery Receiver....162, 163
Battery Terminals 156
Battery Testers 27, 70
Base, Candelabra 156
Bases, Tube 28, 29
Bell Wire 87
Belts, Dial Drive 94
Binding Posts 87, 145
Blank Records 103
Blow Torches 143
Books 15, 16, 22, 68, 140, 146, 147
Brackets 90
Braid, Copper Sleeving..153
Bulbs Dial Light 86
Bulb, Electric Greenback. 87
Bumpers, Rubber 90
Bus Bar Wire 53
By-Pass Condensers 76 to 81

C "C" Batteries 148
Cabinets, Resistor ..7, 52
Cabinets, Speaker 37,105
Cabinet Refinishing Kit.. 8
Cable, Analyzer 28, 98
Cable, Auto Radio 153
Cable, Battery 156
Cable, Connectors .....28 to 31, 87
Cable, Dial 94
Cable Ignition 153
Cable, Lead Sheathed.... 98
Cable, Microphone 98
Cable, Multi Conductor .. 98
Cable, Shielded 98
Cable Connector Plugs .....28 to 31, 87
Cambric Insulating Cloth. 40
Candelabra Base 156
Candohm Resistors...54, 105
Capacity Tester ...6, 14, 15, 17, 23, 24, 152
Carbon Granules 103
Carbon Resistors 51, 55
Carter Genemotor 149
Carter Midget Controls .. 63
Cartridge Fuses 31
Case, Amplifier .....50, 114 to 123
Cases, Instrument 31, 33
Cases, Speaker 105
Cathode Ray Book ...22, 146
Cement, Cone 40
Cement, Repair 40, 97
Centralab Volume Controls .....56 to 59
Champion Radio Tubes... 13
Chargers, Battery 149
Charger Rectifiers 156
Charts, Tube 6, 8, 10, 12, 14, 16
Checkers, Tube .....17 to 21, 23, 24
Chokes, Audio 45, 49
Choke, Multi Tapped ... 45
Chokes, Filter 41, 44, 45, 48, 49
Chokes, Output 49
Chokes, R. F. 84, 85
Circle Cutters 142
Clarostat Line Ballast... 91
Class "B" Transformers 48, 49
Clips, Alligator 145, 156
Clips, Battery 156
Clips, Fahnestock 70
Clips, Resistor 53, 55
Clock, Electric 9
Clough Brengle Instr. ... 22
Clough Brengle Cathode Ray Equipment 23
Coil Forms 89
Coil Repair Service 85
Coil Shields 88
Coil Winder 94
Coils, Field 39, 40
Coils, Oscillator 84, 85
Coils, R. F. 77, 84, 85
Coils, Shortwave Shunt... 85
Coils Spkr. Repl. 34
Coils, Transformer 45
Color Coding Enamel 40
Compact Volt-Ohm Meters 27
Condenser Analyzers and Testers ...6, 14, 15, 17, 23-24, 152
Condensers A.C. D.C. Replacement 71, 74, 76, 78, 79, 80
Condensers, Aerovox 78
Condensers, Auto Radio 77, 151, 154
Condensers, By-Pass .....74 to 81
Condensers, Continental Igrad 80
Condensers, Cub 81
Condensers, Electrolytic .....71 to 76, 78, 79
Condensers, Equalizing 29, 77
Condensers, Exact Duplicate 72, 73, 82
Condensers, Filter...71 to 82
Condensers, Interference 69, 77, 154
Condensers, Key-tone 81
Condensers, Mallory Elect. 76
Condensers, Mallory Paper 77
Condenser Kit Mica 80
Condensers, Mershon 71
Condensers, Mica 80
Condensers, Midget 74, 76, 78, 79
Condensers, Neutralizing 29, 77, 83
Condensers, Potter 81, 82
Condensers, Sangamo 80
Condensers, Short Wave.. 83
Condensers, Bargain 71
Condensers, Sprague 79
Condensers, Trimmer 29, 77, 83
Condensers, Variable 83
Condensers, Vibrator 77, 151
Condenser Color Code ... 80
Condenser Coupling, Flexible 77
Condenser Mtg. Acces..... 76
Condenser Sealing Compound 90
Condenser Tester ...6, 14, 15, 17, 19, 23, 24
Cone Cement 40
Cones, Speaker Replacement 38, 39
Consant Impedance "L" and "T" Pads 58, 59
Connectors, Banana Type.145
Connectors, Cable 28, 30, 104
Connectors, Cord ..31, 70, 87
Continental Igrad Condensers 80
Continental Resistors ... 55
Conversion Plug 95
Converter, 32V to AC.... 119
Converters D.C. to A.C...149
Copper Braid Sleeving ..153
Copper Foil 88
Copper Oxide Rectifiers 33, 156
Copper Screening 155
Cord Connectors 31, 87
Cord, Lamp 31, 87
Cord Tips 92, 145
Cords, Extension...34, 70, 98
Cords, Headphone, Speaker 34, 98
Corner Posts 88
Coupling, Flexible 77
Couplings 90
Crack Filler 40
Crystal Headphones 34
Crystal Microphones 100
Crystal Mike Cable 98
Crystal Pickup 102
Crystal Speaker 105
Crystalizing Lacquer 40
Cub Condensers 81
Cutting Head, Phono 103
Cushions, Earphone 34

D Dash Mtg. Plates 153, 155
Data Tube ...6, 8, 10, 12, 14, 16
Dayrad Instruments 24
Dependable Instruments.. 25
Desk Stands, Microphone 99, 101, 105
Diagram Condenser Tester 6
Diagram, Fader 58, 59
Diagram Foundation Meter 33
Diagram Line Matching..104
Diagrams, Meter Conversion 32
Diagrams Tone Compensation 56
Diagrams, Volt-Ohmmeter 32, 33
Diagrams, Volume Control 60
Diagrams, Volume Control Tapers 57, 64
Dials, Tuning 86
Dial Cables 94
Dial Escutcheon 86
Dial Lamps 86
Dial Lamp Sockets 70
Dial Lite Coloring 70
Dial Plates 50, 93
Dial Replacements ...34, 93
Dial Scales, Meter 32
Dome Light Filters 151
Drills 142
Drum Dials 86
Dry Cells 148
Dry Disc Rectifiers...33, 156
Duresite Line Ballasts.. 91
Dynamic Baffles 105, 107
Dynamic Field Coils..39, 40
Dynamic Speakers 35, 36, 37, 40
Dynamic Speakers, P. A..106
Dynamic Units 107
Dynamotors 149
Dynatest Speaker 40

E Edison Base 156
Electrad Resistors 53, 55
Electrad Volume Controls. 61
Electric Adapters, Plugs. 87
Electric Clock 9
Electric Pencil 142
Electric Heater Elements. 87
Electrical Specialties.... 87
Electrolytic Condensers .....71 to 76, 78, 79, 80
Electronic Vibrators 151
Elements, Flat Iron Replacement 87
Elements, Heater 87
Elkon BH Rectifier ...16, 156
Emerson Auto Radio 157
Enamel Color Coding 40
Equalizing Condensers 29, 77
Escutcheons, Dial 86
Escutcheon Screws 90
Eveready Batteries 148
Exact Dupli. Cond. 72, 73, 76, 82
Exact Duplicate Dial Assby. 34
Exact Duplicate Transformers 42, 43, 44, 47
Exact Duplicate Vibrators .....150 to 153
Exact Replacement Resistors 54
Exciter Field 36
Express Rates 159
Extension Connectors ..70, 87
Extension Cords 34, 98
Extension Speakers 37

F Faders 58, 59
Fahnesstock Connectors 70
Fibre Washers 89
Field Coils 39, 40
Field Exciter Unit 36
Filament Meters 26
Filament Transformers 41, 46, 48, 49
Filter Chokes ...41, 44, 48, 49
Filter Condensers ...71 to 82
Filters, A.C. Line 68, 91
Filters, Auto Radio ...77, 154
Filters, Interference ...68, 91
Fixed Condensers ...77 to 81
Flashlight Batteries 148
Flashlight Screw Driver...141
Flatolum V.C. Controls... 70
Flexible Coupling 77
Flexible Sleeving, Insulated 97
Flexible Sleeving, Shielded 153
Floor Stands, Microphone 101, 105
Foil, Copper Shielding .. 88
Forms, Coil 89
Forms, Tube Adapters ... 29
Foundation Meters 24, 26, 27, 31, 33
Freight Rates 159
Friction Tape 87
Fuses, Electric 87
Fuses, Meter, Radio 31
Fuse Mountings 31
Fusible Plug 31

G G. E. Reference Chart 67
Gain Controls 58
Galvanized Guy Wire 95
Genemotors, Carter 149
Generators, A.C. 149
Generator, Filter 77, 154
Gernsback Books 68
Glow Lamps, Neon 156
Graybar-RCA Reference Chart 67
Grill Cloth 37
Grommets, Rubber 90
Ground Clamps 96
Ground Rods 95
Ground Wire 94, 97
Guy, Anchor 95

H Hack Saws and Blades 142
Hand Microphone 99
Hardware 89, 90
Hardware Assortment 89
Headphones 34
Headphone Adapters 29
Headphone Cords 34, 98
Heater Elements 87
Hold E Zee Screw Driver 141
Home Recording Blanks.103
Hook-up Wire 97
Horns, Trumpet 105, 107
Housing, Speaker 105
How to Order 159
Hoyt Foundation Meter.. 31

I Ignition Cable 153
Ignition Filters...77, 154
Ignition Suppressors..52, 154
Illuminators, Dial 31, 70
Illuminator Panel 31
Indicator, Resistance 52, 54, 60
Indoor Aerial Wire..... 94
Input Control, P.A.....103
Input Transformers...49, 101
Instrument Cases ...18, 31, 33
Instrument Fuses 31
Instrument Panels 33
Instrument Pointer Knobs 33
Insulated Flexible Coupling 77
Insulated Screw Driver...141
Insulated Staples 87
Insulated Tip Jacks...92, 145
Insulated Cloth 40
Insulating Spaghetti 97
Insulating Washers ...89, 90
Insulators, Aerial 95
Interference Filters 69, 77, 91, 154
Interference Analyzer 69
Intermediate Frequency Transformers 84, 85
I.R.C. Resistors 52
Irons, Soldering 143

J Jacks 92
Jacks Circuit Opening 33
Jacks, Microphone 104
Jack Plugs 92, 145
Jack Switches 92
Jacks, Tip 92, 145
Jefferson Transformers 49, 104
Jeweled Pilot Light 31

K Kellogg Tubes 16
Kellogg Tube Adapter 29
Keystone Condensers 81
Key Switch 93
Kits, Adapter 28, 29
Kits, Aerial 95, 96, 133
Kits, All Wave ...95, 96, 133
Kit, Analyzer 28
Kits, Analyzer Plugs and Adapters 28, 29
Kits Condensers Mica ... 80
Kits, Resistor ...51, 52, 55
Kits, Tool .....141 to 145
Knife Switches 93
Knobs 33, 77
Knobs, Bar 33

L Lacquer Crystalizing.. 40
"L" Pad 58, 59
Lamp Cord 98
Lamps, Flashlight 86
Lamps, Neon 156
Lamps, Pilot Light..... 86
Lead-in, Shielded 94, 98, 153
Lead-in Strips 96
Lead-in Wire 94, 95, 97, 98, 153
Lead Screw Recording ...103
Lightning Arrestors 96
Line Ballasts 55, 91
Line Cords 54
Line Cord Resistors 54
Line Filters 69, 91
Line Matching Transformers 19, 104
Line Voltage Regulators.. 91
Littlefuses 31
Lock Washers 89
Lock Auto Radio 151
Lock Switch 93, 154
Loud Speakers 35, 36, 37, 40, 106
Loud Speaker Cones ...38, 39
Loud Speaker Horns.105, 107
Lug Assemblies 87
Lugs, Soldering 89
Lynch Antenna Kits..... 95

M McCullough Tubes ... 16
Machine Screws ...89, 90
Magic Electric Pencil ...142
Magic Eye 37
Magnetic Speakers 35, 37, 40, 106
Magnetic Speaker Coils 34, 40
Magnet Wire 97
Majestic Coils Exact Duplicate 84, 85
Mallory Vibrators 152
Manganin Resistance Wire 32
Manuals, Service 15, 22, 146, 147
Manual, Tube..8, 9, 11, 15, 16
Masts, Aerial 95
Meissner Trimmer Cond.. 29
Meissner Exact Duplicate Coils 84, 85
Metal Tube Adapters 28, 29
Metallic Rectifiers ...33, 156
Metallized Resistors 52
Meter Circuit Diagrams 32, 33
Meter Dials 32
Meter Flange 26
Mershon Condensers 71
Meter Rectifiers 33
Meter Repair Service.... 25
Meter Resistor Kit 27, 32, 33
Meter Resistors, Multiplying 31, 32, 53
Meters 24, 26, 27
Meter Shunts 32, 53
Meters, Tuning 27
Mica Condensers 80
Microammeters 26, 27
Microphone Adapters 29
Cable 98
Carbon Granules 103

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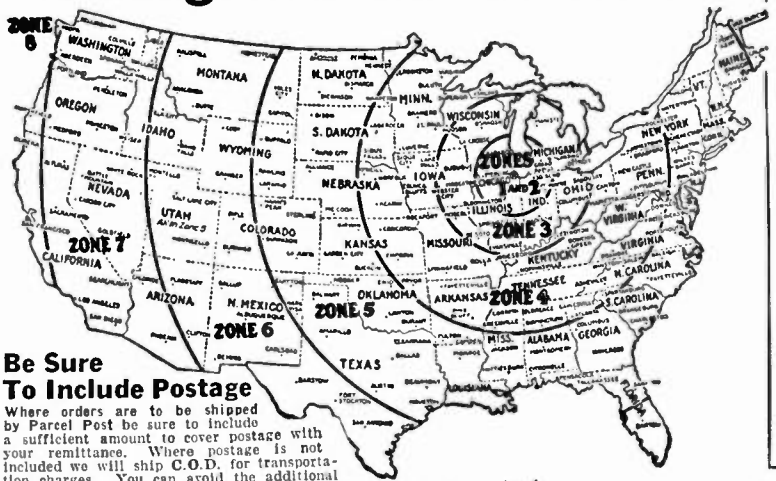
It's Easy to Figure Delivery Charges on Your Order



Be Sure To Include Postage

Where orders are to be shipped by Parcel Post be sure to include a sufficient amount to cover postage with your remittance. Where postage is not included we will ship C.O.D. for transportation charges. You can avoid the additional expense of C.O.D. collections by sending sufficient postage. Any excess amount sent for Parcel Post charges will be promptly credited.

Table of Approximate Rates

Per 100 lbs. for Express and Freight

From Chicago to	Express per 100 Pounds	1st Class Freight per 100 Lbs.	From Chicago to	Express per 100 Pounds	1st Class Freight per 100 Lbs.
Alabama	$3.75	$2.40	Nebraska	$3.90	$2.25
Arizona	7.30	4.12	Nevada	9.10	4.75
Arkansas	3.59	1.60	N. Hampshire	4.00	1.49
California	10.05	4.75	New Jersey	3.75	1.43
Colorado	6.15	3.65	New Mexico	5.60	3.35
Connecticut	3.85	1.49	New York	3.35	1.18
Delaware	3.70	1.42	No. Carolina	3.75	2.50
Florida	5.05	2.20	No. Dakota	4.50	2.60
Georgia	3.50	2.32	Ohio	2.15	.80
Idaho	7.90	4.50	Oklahoma	3.85	2.14
Illinois	1.85	.75	Oregon	9.75	5.10
Indiana	1.65	.70	Pennsylvania	3.75	1.40
Iowa	2.57	.98	Rhode Island	4.00	1.49
Kansas	3.80	2.04	So. Carolina	4.10	2.29
Kentucky	2.20	.98	South Dakota	4.35	2.65
Louisiana	4.20	2.06	Tennessee	3.30	1.75
Maine	4.50	1.49	Texas	7.15	2.37
Maryland	3.45	1.25	Utah	6.90	4.13
Massachusetts	4.00	1.49	Vermont	3.95	1.60
Michigan	3.95	1.09	Virginia	3.60	1.39
Minnesota	3.60	1.49	Washington	9.45	5.10
Mississippi	3.75	1.80	West Virginia	2.95	1.03
Missouri	2.62	1.35	Wisconsin	2.65	.60
Montana	5.35	3.75	Wyoming	5.50	3.50

NOTE—To estimate Express charges for shipments under 100 pounds—The minimum charge for a one pound package sent by Express is 36c, ranging up to 42c for highest rate. Beginning with the minimum, charges are increased according to weight of package. For instance the 10 pound rate varies from 44c to $1.00. The poundage rate varies from about 65% down to about 55% of the hundred pound rate for 50 pounds (from 80c to $3.62) with the charges for intermediate weights above and below 50 lbs. in approx. proportion.

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Send your orders on our convenient Purchase Order forms, or in any other manner convenient to you. Be sure to specify Stock Number and Price of each item. Print your Name and Address plainly.

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We solicit orders only from those actively and commercially engaged in the radio industry, Radio Dealers, Radio Servicemen—Industrial and Institutional Laboratories, Public Utilities, Schools, Colleges, Engineers and those recognized as engaged in developing the Art of Radio. We will also accept orders from the United States Government, Federal Institutions, State, County, Municipal and other governmental bodies and institutions.

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Parcel Post Rates

Revised Rates Effective since October 1, 1932.
Table for Packages Weighing ½ pound to 20 pounds

Weight in Pounds	Zones 1&2 Up to 150 miles from Chicago	Zone 3 150 to 300 miles from Chicago	Zone 4 300 to 600 miles from Chicago	Zone 5 600 to 1,000 miles from Chicago	Zone 6 1,000 to 1,400 miles from Chicago	Zone 7 1,400 to 1,800 miles from Chicago	Zone 8 Over 1,800 miles from Chicago
1	$0.08	$0.09	$0.10	$0.11	$0.12	$0.14	$0.15
2	.10	.11	.14	.17	.19	.23	.26
3	.11	.13	.17	.22	.26	.32	.37
4	.12	.15	.21	.27	.33	.41	.48
5	.13	.17	.24	.33	.40	.50	.59
6	.14	.19	.28	.38	.47	.59	.70
7	.15	.21	.31	.43	.54	.68	.81
8	.16	.23	.35	.49	.61	.77	.92
9	.17	.25	.38	.54	.68	.86	1.03
10	.18	.27	.42	.59	.75	.95	1.14
11	.19	.29	.45	.64	.82	1.04	1.25
12	.21	.31	.49	.70	.89	1.13	1.36
13	.22	.33	.52	.75	.96	1.22	1.47
14	.23	.35	.56	.80	1.03	1.31	1.58
15	.24	.37	.59	.86	1.10	1.40	1.69
16	.25	.39	.63	.91	1.17	1.49	1.80
17	.26	.41	.66	.96	1.24	1.58	1.91
18	.27	.43	.70	1.02	1.31	1.67	2.02
19	.28	.45	.73	1.07	1.38	1.76	2.13
20	.29	.47	.77	1.12	1.45	1.85	2.24

If the weight of your package exceeds 20 pounds, add 1.1c for each additional pound or fraction of a pound if you live in the 1st and 2nd zones, 2c extra if you live in the 3rd zone, 3.5c extra if you live in the 4th zone, 5.3c extra if you live in the 5th zone, 7c extra if you live in the 6th zone, 9c extra if you live in the 7th zone, and 11c extra if you live in the 8th zone.

NOTE:—Packages weighing over ½ lb. (8 ozs.) and not more than 1 lb. take 1 lb. rate.

Packages weighing over 1 lb. and less than 2 lbs. take the 2 lb. rate. Always use the next higher pound rate for pounds and fractional pounds. **FOR EXAMPLE:**—1⅛ lbs. requires 2 lb. rate, 2 ⅛ lbs. requires 3 lbs. rate.

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You need not send a remittance with your order unless you wish to do so. We will ship C.O.D. any merchandise shown in our catalog, but we request that new customers on their first orders, or orders for heavy merchandise to be shipped to distant points be accompanied by a 25% deposit if to be shipped C.O.D. Most of our customers prefer to send cash with order, thereby eliminating delay and unnecessary expense of C.O.D. collection. You may remit by post office or express money-order, bank draft or personal check, as you prefer. If you send currency be sure to register the letter for we cannot be responsible for cash lost in the mails.

Prices Quoted are TAX PAID

All quotations in this book include Federal Excise Tax in accordance with Act of June, 1932 and based upon Treasury Department, interpretations as of our press date. We reserve the right to add any taxes arising from new acts (Federal or State) or changed interpretations. On sales in the State of Illinois we reserve the right to increase our prices, to the extent of any increase in cost of doing business, that may be occasioned by the Illinois State Occupation (Sales) Tax Act.

Our quoted prices are subject to change without notice. We have large stocks on hand of practically every item quoted and have made contracts in such a manner that we expect to be able to supply all items available from manufacturers at the prices shown for the life of this catalog. In event of market changes it will be our object to meet or better all competitive prices.

SHIPPING ALLOWANCE

On Orders of $25.00 or Over

We will make a transportation allowance of 2% except where merchandise is already quoted prepaid. This allowance can be applied on Parcel Post, Express or Freight Shipments. The allowance can be applied directly on Parcel Post Shipments. On Express and Freight Shipments it is usually necessary for us to make shipment charges collect, so that on Express and Freight Shipments you may make this deduction directly on your order or we will send you a credit for the amount of the allowance.

Remember

This transportation allowance of 2% applies only on orders for over $25.00 and is not to be confused with the cash discount allowance of 2% which is already deducted from the Net Prices as quoted in this Profit Guide.

We Ship Subject to Inspection

We will ship any merchandise ordered, subject to your inspection if shipment is to go forward by express. In this manner, you may see the merchandise at the express office before you accept shipment, if you so prefer. If you desire inspection privileges, be sure to so state plainly on your order.

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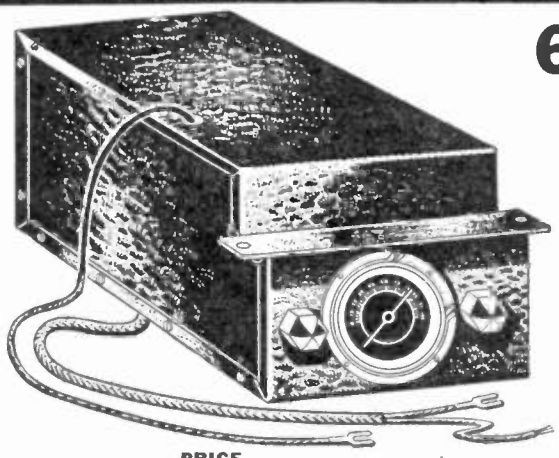
World Radio History

Dash Mounted "RADOLEK" Auto Radio



6 Tube Performance . . . .
At 4 Tube Economy

- All Electric - Compact Single Unit - Fits All Cars.
- Illuminated Dial - Built-in 5½" Dynamic Speaker.
- Operates From Car Battery - Only Two Connections.
- Improved Superheterodyne Circuit - Low Battery Drain.
- New Dual Purpose Tubes - Automatic Volume Control.
- Tubeless Synchronous Vibrator - No Suppressors Used.
- Iron Core Antenna Coil - Built-in Aerial Adjuster.

A Quality Single-Unit All Electric Superheterodyne with newest features. The use of a Dual Purpose Synchronous Vibrator and Dual Purpose Tubes in a new improved Superheterodyne Circuit positively develops 6 tube efficiency—improved sensitivity and selectivity, background noise reduced to a minimum, unusual power and superb tone! Do not confuse this fine Auto Radio with ordinary 4 or 5 tube receivers using non-synchronous vibrators and rectifier tubes. This Radolek Auto Radio is the most desirable set ever developed selling at this low price. Big set performance plus the economy of low battery drain.

Built-in Aerial Adjuster

A manual capacity adjustment on the side of receiver housing permits compensation for all antenna variations—thus each auto radio can be adjusted for individual installations so as to obtain maximum efficiency from any type of under-car or roof aerial.

PRICE

Dash Mounted Auto Radio

BJ10151—Complete Unit all contained in one compact case. Includes 1-Generator Condenser, 1-Distributor Suppressor, 4-Four Pillar Raytheon Tubes: 1-6A7, 1-6D6, 1-75, 1-41. All necessary cables and mounting bolts.

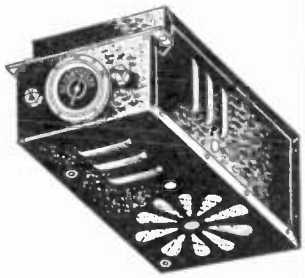
List Price, $29.95. Your Price **$16.95**

Easy to Sell—Big Profits

Simplicity of installation enables you to sell this Receiver "installed" without sacrificing your profits. Here is a Quality Fine Performing Auto Radio with which you can dominate the low-priced Auto Set market. Order one of these Sets TODAY and begin NOW to cash-in on this big profitable field.

Speedy Back of Dash Mounting

Entire unit mounts under instrument panel of car with the control panel of auto radio flush with car instrument panel. Installation is made with the use of only two screws through bottom edge of instrument panel and one bolt to bulkhead. No remote control connections. Has the volume and station selector controls directly on front panel. Narrow width allows mounting of this Receiver any place along panel even between steering column and left side in any car. Will not interfere with foot pedals, emergency brake or gear shift. Leaves plenty of foot room and allows ample space for mounting hot water heater. Two electrical connections—one to ammeter and one to aerial. Size of case 6"x5"x11¼" long. Fits any car with a depth of at least 11¼" depth behind instrument panel.



6 ALL METAL TUBES

New Cabinet—New Tubes—New Dial

A New AC Receiver—a marvelous Table Model with Console performance and Console appearance at midget set cost. Bringing you radio's newest achievement — Metal Tubes. These new tubes afford greater operating efficiency and better stability on short waves. Great Power, Finest Tone Quality, Extreme Sensitivity, Precise Selectivity, Easy Tuning and Attractive Appearance are all combined in this Receiver, an Outstanding Value, not approached in any other High Quality set.

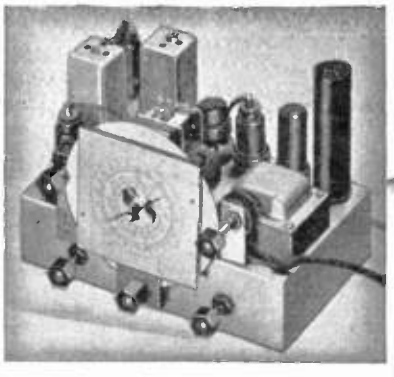
Superheterodyne Circuit

This new advanced Superhet circuit is designed to take advantage of the superior performance the new metal-envelope tubes afford. **Six high-gain tubes** all functioning at peak efficiency, coupled with **new special I.F. coils** and a **precision tuning condenser**, brings **extreme sensitivity and selectivity. Tube types: 1-6A8; 1-6K7; 1-6H6; 1-6F5; 1-6F6** Pentode Power Output; **1-6Z4. Automatic Volume Control** counteracts fading and tends to maintain an even volume level. This "Tone Conditioned" Receiver features an advanced type of audio system, which has been precisely designed and balanced to develop a **full tremendous Power Output**, while retaining **exact Tone Fidelity. Powerful specially matched full Dynamic Speaker**, reproduces both voice and music with the greatest fidelity. Its full resonant tone, is very pleasing and personal tastes in tone pitch are given complete expression with the Smooth Tone Control.

Tunes 3 Bands

Domestic Broadcast 172 to 565 meters—Amateurs, Airplanes, Police Calls 54 to 187 meters—Foreign Short Wave Stations 16 to 60 meters. Programs to entertain and interest the most sophisticated and adventurous listener. Reception with volume and tone quality to please the most critical. An extra large Illuminated Airplane Dial 5" in diameter with an etched silver and gold scale adds additional beauty and tuning ease to this modern Receiver.

For Operation on 105-120 Volt 50-60 Cycle A.C. Current



Beautiful Walnut Cabinet

A Table Model Cabinet of Console design. Distinctly new—this unusual cabinet has individual character which places it far ahead of the average Table Model. Burl walnut sloping front panel is flanked on each side by curved pilasters of select crotch grain light American Walnut veneer. The paneling effect is applied to the sides as well as the front, a feature not found on any but the most expensive cabinets. The top is finished as beautifully as the front; emphasizing the modernistic lines of the Cabinet. Lustrous hand-rubbed piano finish throughout. Overall size, 14 inches wide, 9 inches deep, 15 inches high.

JB10947—6 Tube DeLuxe Table Model Complete with tubes.

List Price, $47.50. YOUR PRICE **$24.75**

Price Chassis Only

JB10948—6 Tube Chassis With 6½" Dynamic Speaker, Metal Tubes, Knobs and Escutcheon.

List Price, $41.50. PRICE **$19.95**

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World Radio History

Emerson AUTO Radios

All Electric Operation | **Choice of Mounting Escutcheons** | **A.V.C. Circuit** | **No Spark Plug Suppressors**

Model 1A—5 Tube Superhetrodyne

By the use of the new dual purpose tubes this compact 5 tube set has all the sensitivity and power of the ordinary 7 tube set. Completely contained in one housing. No outside power supply—No outside speaker. Mounts on dashboard with three mounting bolts that project from the rear of set. Remote control can be installed on steering column or under instrument panel. Special escutcheons can be furnished for mounting control unit on instrument panels of General Motors or Ford cars Chassis is of the latest engineering design and incorporates Superhetrodyne Circuit, Automatic Volume Control, 3 Gang Tuning Condenser, Noiseless Vibrator, Tone Control and Full Size Dynamic Speaker. Tubes used are 1-6F7, 1-6A7, 1-6B7, 1-41, 1-84. Spark plug suppressors are needed only when unusual interference problems are encountered. Cars in good electrical condition will not need suppressors. Size of set 6¾" high, 6¾" deep, 9½" wide. Stamped metal case. Finished in green crackle.

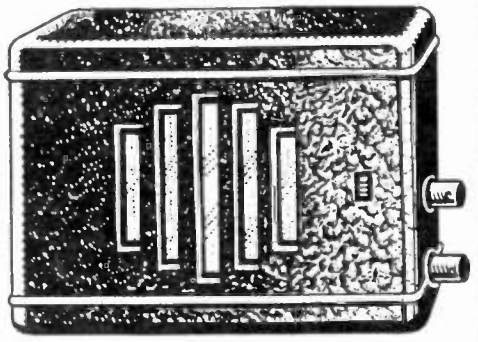
Features

One Unit Construction
Eliminates Suppressors
Superhetrodyne Circuit
Tone Control
5 Tubes with 7 Tube Efficiency
Quick and Easy Installation
Operates Entirely from 6-Volt Battery

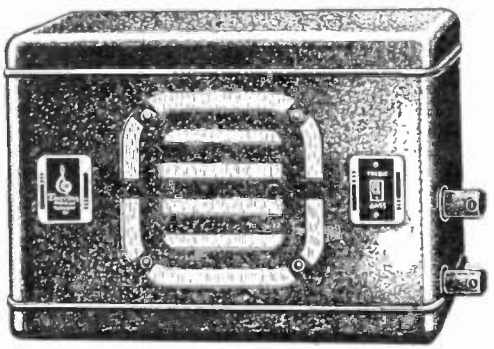
Price

F10167—Emerson 5 tube Model 1A Superhet Auto Set complete with built in Dynamic Speaker, Noiseless Vibrator, Remote Control Unit, and 5 R.C.A.-Cunningham tubes. Suppressors are not furnished because they are not needed for most installations.

List Price, $37.95.
YOUR PRICE, EACH **$24.79**
Lots of 3, Each.....$23.56



Model 6A—6 Tube Superhetrodyne



Features

- *One Unit Construction*
- *Eliminates Suppressors*
- *Superhet Circuit*
- *Operates Entirely from 6-Volt Battery*
- *Tone Control*
- *5" Dynamic Speaker*
- *Quick Installations*
- *6 Tubes—8 Tube Efficiency*

Price

F10168—Emerson 6 tube Model 6A Superhet Auto Set complete with Built in Dynamic Speaker, Noiseless Vibrator, Remote Control Unit and 6 R.C.A.-Cunningham tubes. Suppressors not furnished as they are not necessary for most installations.

List Price, $44.95.
YOUR PRICE **$26.43**
Lots of 3 Each....$25.11

A more sensitive set than the model 1A that will add many miles to the distance of reception that you can obtain. Set is Superhetrodyne Circuit containing all of the late engineering improvements including Diode Detection, Automatic Volume Control, Tone Control and 5-inch Dynamic Speaker. Uses Six tubes: 1-78, 1-6A7, 1-78, 1-85, 1-41, 1-84. All Electric operation using noiseless vibrator and Full wave rectifier tube for power supply. Three mounting bolts project from rear of chassis for quick and easy installation. Remote control can be mounted on steering column or on instrument panel. Special escutcheons can be furnished for mounting control unit on instrument panels of General Motors or Ford cars. Spark plug suppressors are needed only when unusual interference problems are encountered. Cars in good electrical condition will not need suppressors. Size of set 6¾" high, 6¾" deep, 9½" wide. Stamped metal case. Finished in handsome black crackle enamel.

MODEL 5A—"De Luxe" 6 Tube Superhetrodyne

Uses two dual purpose tubes giving this five tube set performance equivalent to the average 7 tube set. Is much more powerful and sensitive than either of the above models. Uses Superhetrodyne Circuit incorporating all of the latest engineering features. Has Full wave Synchronous Vibrator and 6 inch Dynamic Speaker. Set, Power Supply and Speaker all contained in one die cast case. Uses 5 tubes: 2-78's, 1-6A7, 1-85, 1-42. Easy to install. Only two holes required for mounting. Remote control included mounts on steering column or on instrument panel. Spark plug suppressors are needed only when unusual interference problems are encountered. Cars in good electrical condition will not need suppressors. Size of set 8" high, 5⅝" deep, 8¾" wide. Stamped metal case. Brown Crackle finish.

Take full advantage of the efficiency inherent in the Auto Radio sets listed on this page. Use an efficient aerial. We particularly recommend the "Red Head" listed on page 145 under stock number 3F10175. It is the Running Board type and has been found to be very satisfactory for all cars including the new "Turret" types.

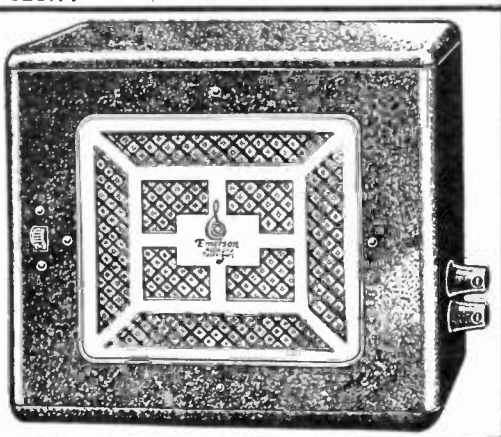
Features

- *Full Wave Synchronous Vibrator*
- *Tone Control*
- *6-inch Dynamic Speaker*
- *One Unit Construction*
- *Quick Installation*
- *Eliminates Suppressors*
- *Superhetrodyne Circuit*
- *5 Tubes—8 Tube Efficiency*
- *Operates Entirely from 6 Volt Battery*

Price

F10169—Emerson 5 tube Model 5A Superhet Auto Set complete with built in 6" Dynamic Speaker, Noiseless Synchronous Vibrator, Remote Control unit, and 5 R.C.A.-Cunningham tubes. No Suppressors included as they are not needed for most installations.

List Price, $49.95.
YOUR PRICE **$29.37**
Lots of 3, Each.....$27.90

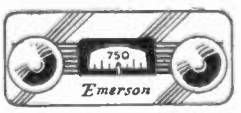


FOUR REMOTE CONTROL MOUNTINGS AVAILABLE

Under Dash Mounting For All Cars

All of the radio sets listed on this page are supplied with the airplane type dial, remote control unit, and complete set of remote control cables. Control unit carefully designed to eliminate Back Lash and Play. Dial is indirectly illuminated. Brackets are furnished for mounting remote control unit under instrument panel as illustrated above. This type of Mounting can be used on practically any car.

Dash Mounting For General Motors Cars



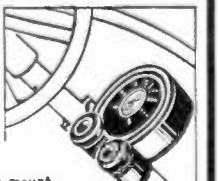
Special Tuning Unit can be supplied for installation on front of instrument panel in Chevrolets, Oldsmobiles, and Pontiacs in which there is a special cutout for this particular purpose. Dial is illuminated and escutcheon finished in polished chrome. When specified on order, special control can be supplied instead of the regular unit. Specify make of car on which set is to be used.

Dash Mounting for Ford and Chrysler

In Ford cars escutcheon fits opening in center of instrument panel originally occupied by Ash tray. Also fits special cutout on Chrysler Motors cars. Used in conjunction with Remote Control unit described at right. Supplied instead of regular brackets if desired.

See Page 155 for mounting escutcheons to adapt control unit to 1933-34 Ford instrument panels.

Steering Column Mounting for all Cars



Brackets for mounting remote control unit on either side of steering columns of any car are furnished as standard equipment with above Auto sets. Airplane dial and remote control cables also supplied as standard equipment. Control unit carefully designed to eliminate Back Lash and Play. Dial is indirectly illuminated.

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Tungar Type Rectifier Tubes

Quality Guaranteed

3E865—A. 0.6 amps., 7.5 D.C. volts. Used chiefly in small chargers for trickle charging 6 volt batteries. Fil. 1.8V.-6A.
List Price $4.00.
YOUR PRICE **$1.95**

3E866—B. 2 amps., 75 D.C. volts. Has 3 connection screw base, is used in small home chargers. Fil. 2V.-12A. List Price, $4.00.
YOUR PRICE **$2.33**

3E867—C. 2 amps., 30 D.C. volts. Anode connection is made at the top. For use in older type single battery chargers. List Price, $4.00.
YOUR PRICE **$2.33**

3E868—D. 6 amps., 45 D.C. volts. A low voltage bulb used in chargers having a fixed output, also in Exciter Lamp Rectifiers for Motion Picture applications. Fil. 2.2V.-18 Amp.
List Price $8.00. YOUR PRICE..... **$4.45**

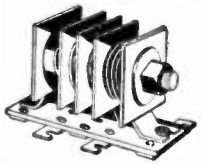
3E869—E. 6 amps., 100 D.C. volts. For use in all types of chargers having an adjustable control, single and three phase rectifiers for low intensity are projectors and exciter lamp rectifier having adjustable taps. List Price, $8.00.
YOUR PRICE **$4.45**

3E870—F. 15 amps., 65 D.C. volts. Can be used in certain types of special chargers, but its chief application is in connection with single and three phase rectifiers for supplying current to low intensity are projectors. Specially seasoned for motion picture rectifier. List Price $15.00.
YOUR PRICE **$8.90**

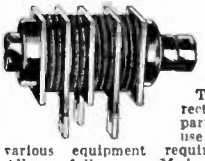
Mercury Type Charger Bulb

3F871—EM-6 amperes. Long life, efficiency in operation and lower operating cost. For use in battery chargers of 6 ampere capacity.
List Price, $8.00.
YOUR PRICE **$3.95**

Elkon Replacement Rectifier



The official replacement unit for Majestic "A" eliminators. May also be used on following eliminators: Mayolian, Elkon, Philco, Webster, Knapp General Inst., Metro, Fada, Bernard, Sentinel, and Briggs & Stratton. 3 Amp. charger. Shpg. wt., 3½ lbs.
3C70—Type XB16. List, $7.00.
YOUR PRICE **$3.73**



Manufacturers' Type Rectifying Unit

The "B" B-L full wave rectifying elements are particularly suited to the use of manufacturers of various equipment requiring rectified currents. All are full wave. Made for such devices as dynamic speakers, "A" powers, battery chargers, railroad signals, etc.

Type B-12 is for such "A" powers as Acme, Sterling, Arco, Stewart, France, Galvin, Greene-Brown, etc., and for such chargers as Braun, Knight, Valley, Webster, etc. Output 1 amp. at 6 V.; 2.5 amp. at 4 volts.
3C60—Type B-12.
List, $4.00 YOUR PRICE..... **$2.35**

Type "B"-16 is for Greene-Brown type D, Norden Hauck No. 3A, Tobe Deutchman, Webster, Valley type, DMA, etc. Output 2 amp. at 6 V.; 1 amp. at 8 volts.
3C61—Type B-16.
List, $4.50. YOUR PRICE **$2.65**

Elkon 5,000 Hour "B" Rectifier

Replaces rectifier tube in "B" Eliminator. Dry, solid, rugged, self healing. Just replace the fragile 1,000 hour tube with this sturdy 5,000 hour Elkon EBH and the change is made. Not affected by accidental surges or overloads.
2C85—For "B" Eliminators using Raytheon BH Tube.
List, $6.00.
YOUR SPECIAL PRICE ... **79¢**

Neon Glow Lamps

Genuine G.E. neon gas lamps that glow with a brilliant orange-red radiance. Both electrodes glow on A.C. One remains dark on D.C. Operate on extremely minute current.

Used in tube checkers for interelement short tests; in series with A.C. or D.C. for continuity, leakage, and high resistance tests. Used as pilot or signal lamp on all types of electrical circuits. Check ignition leakage in auto-radio noise elimination work. Voltages listed are minimum striking voltage; minimum operating voltage may be approximately 50 volts lower for A.C. or 10 volts lower for D.C.

3D7119—Midget ¼ Watt. Candelabra Base Tubular Shape Clear Bulb. ⅜" diameter. Replacement for Weston and other tube testers employing neon short tests. For 105-125 volts, A.C. or D.C.
YOUR PRICE, Each ..... **36¢**
TEN FOR $3.25

3F7114—Midget ¼ watt. Double contact bayonet base. ⅜" diam. Tubular shape clear bulb. ⅝" diameter. Used as replacement in Tobe Condenser Analyzer and other test equipment requiring a neon bulb **without a resistance in the base.** For 105-125 volts A.C.
YOUR PRICE, EACH ..... **45¢**
Ten for $4.05

3E6912—Medium ½ watt. Standard Edison medium screw base. Clear Globular Bulb, 1¼" diameter. Electrodes shaped like half cylinders. Approximately 5/100 candle power. For 105-125 volts A.C. only.
YOUR PRICE, EACH ..... **36¢**
TEN FOR $3.25

3F7120—Medium ½ Watt. Same as above but with skirted candelabra base.
YOUR PRICE, EACH..... **41¢**
TEN FOR $3.65

3E6911—Medium 1 watt. Standard Edison medium screw base. Clear Globular Bulb, 1¾" diameter. Approximately 5/100 candle power. Central cylindrical electrode surrounded by wire spiral electrode. For 105-125 volts A.C. or D.C.
YOUR PRICE, EACH ..... **36¢**
TEN FOR $3.25

3E7122—Same as above with skirted candelabra base. A.C. or D.C. 105-125 volts.
YOUR PRICE, EACH ..... **41¢**
TEN FOR $3.25

3E7121—Medium 1 watt Standard Edison medium screw base. Clear Globular Bulb, 1¾" diameter. Electrodes shaped like half cylinders. For 200-240 volts A.C. or D.C.
YOUR PRICE, EACH ..... **36¢**
TEN FOR $3.25

3F6910—2 Watt Standard Edison medium screw base. Clear pear Shaped Bulb. Diameter 1¾". Electrodes in shape of split disc. Approx. ½ candle-power. For 105-125 volts A.C. or D.C. Used in tube testers. Also popular size for night-light, advertising, exit indicator, stroboscope, and signal use.
YOUR PRICE, Each..... **45¢**
TEN FOR.....$4.05

3F7123—Same as above with Red Bulb.
3F7124—Same as above with Yellow Bulb.
YOUR PRICE, Each ..... **49¢**
TEN FOR.....$4.50

3F7115—3 watt standard Edison medium screw base. Clear pear shaped bulb. Diameter 1⅝". Electrodes in shape of split disc. For 105-125 volts A.C. or D.C. Used in tube testers. Also very popular size for night-lights, signal lamps, etc.
YOUR PRICE, EACH ..... **60¢**
Ten for $5.40

Porcelain Sockets

For Neon Glow Lamps

Candelabra Base
3E7116—
YOUR PRICE, EACH ..... **28¢**
Quality porcelain sub-panel socket for candelabra base neon glow lamps. Top of socket mounts flush with panel. Screw terminals. Used in short checkers, continuity testers and other test apparatus.

Edison Medium Screw Base
Sub-panel Mounting
3E7117—
YOUR PRICE, EACH ..... **16¢**
Porcelain sub-panel socket for standard Edison base neon glow lamps. Same style and mounting as socket listed above. Screw terminals.

Cleat Mounting

3E7118—
YOUR PRICE, EACH .. **10¢**
Cleat mounting Edison base porcelain socket. May be mounted on baseboard for experimental work. Screw terminals.

Universal Alligator Clips

Small clips with slender elongated jaws. Both screw and banana terminal connections. The barrel will also take the large end of a standard jack tip. Teeth mesh perfectly on all three sides. Rating 5 amps. Cadmium plated steel. 2⅝" long. Jaws spread ½".
3F2438—Alligator clip only less insulators.
Each, 6c. YOUR PRICE
BOX OF 10 ..... **49¢**
100 for $3.79

Colored Rubber Insulators

For above clips. Internal recess at end of insulator snaps around tubular barrel and holds clip firmly. Will not slip.
3F2425—Red **3F2426—Black**
YOUR PRICE, EACH 4c.
BOX OF 10 ..... **28¢**
100 for $2.50

Universal Battery and Radio Clips

No. 45—Pee Wee Clip. For Radio Test Work. Teeth on both jaws which mesh. Jaw spread ⅜". Length 1⅛". Cadmium plated. With screw.
3F2448—Each, 4c.
TEN FOR ..... **29¢**

No. 48B—A small clip for "B" radio batteries and general use. Teeth on both jaws which mesh. 10 lb. spring. Jaw spread, ⅛ in. Cadmium plated, 1¾ inches long.
3F2440—Each, 5c.
TEN FOR ..... **33¢**

Type 24A—25 amp. Capacity. For radio storage "A" batteries. Teeth on one jaw and notch on the other; fits round battery post. 17 lb. spring. Jaw spread, 1 in. Lead coated. 2½ in. long.
3F2442—Each, 8c.
TEN FOR ..... **64¢**

Type 21A—50 amp. 33 lb. spring protected by a copper shunt. Jaw spread, 1½ in. Lead coated, 3⅜ in. long.
3F2444—Each, 16c.
TEN FOR **$1.18**

Type 11A—100 amp. Capacity. 38 lb. spring. Jaw spread, 1¼ in. Lead coated, 5⅞ in. long.
3F2446—
YOUR PRICE, Each..... **34¢**

NOTE. Clips marked + and —. Half and Half will be supplied unless otherwise specified.

Rubber Insulators

For Use with Universal Battery Clips

Protect against electric shock. Furnished half red, half black to indicate polarity.

3F2424—For 45 —10 for	.....	$0.52
3F2420—For 48B—10 for	.....	.60
3F2421—For 24A—Each	.....	.14
3F2422—For 21A—Each	.....	.23
3F2423—For 11A—Each	.....	.41

Battery Terminal Connectors

3C2449
YOUR PRICE, Each.. **18¢**
TEN FOR $1.69
Fasten to post of any auto storage battery to adapt it for use with radio set. Has binding screw for connecting lead wire.

Radio Battery Cables

Stranded conductors, rubber insulated and covered with fabric. R. M. A. color coded. 5 ft. length.

Stock Number	Conductors	Your Price	Stock Number	Conductors	Your Price
3C2317	5	25¢	3C2320	8	40¢
3C2318	6	29¢	3C2321	9	45¢
3C2319	7	32¢	3C2322	10	50¢

3½ Foot 4 Conductor Cable

Rubber covered conductors. Braid overall. Battery clips attached on two ends.
3J2330— **14¢**
Your Price..

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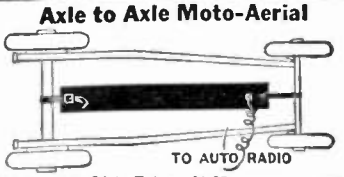
ACCESSORIES

Axle to Axle Moto-Aerial



4F10182—List Price, $1.25.
YOUR PRICE ..... **39¢**

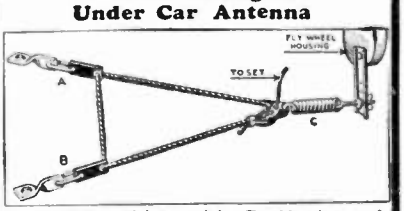
Metallic conductor, enclosed in 53 inch long waterproof fabric envelope with two 28 inch web straps on both ends. 3 ft. rubber covered lead-in attached. Two springs on one end take up slack.

Copper Wire Screen For Auto Roof Aerials

Pure copper wire screen "cloth." Makes most efficient aerial for auto when installed on top of or under roof. For careful high-grade jobs.

4F10188—Size 14 mesh (14 squares to inch) Per Piece 3'6". EACH..... **$1.48**
Longer continuous lengths at proportionate prices.

LO-LOSS Triangular Under Car Antenna



A new highly efficient aerial. Provides increased pick-up and greater sensitivity. Provides ample pick-up surface for any make of Auto Radio. The long length of the aerial permits a stronger induced signal thereby increasing sensitivity of the automobile radio. All brackets are of cold rolled steel. All insulation is genuine **Bakelite.** Heavy chromium plated spring. Rubber covered copper lead-in wire and heavy genuine copper cable. **Do not be misled by cheap outfits using inferior insulators, steel wire and japanned metal parts.**

3F10178—Kit contains the necessary brackets and hardware for fastening securely in place; 2 rear axle insulators; 1 fly-wheel housing insulator assembly with tension adjuster; 20 feet of 42 strand copper aerial wire with 6 feet of weather-proof insulated lead-in securely soldered to aerial wire.
List Price, $2.00.
YOUR PRICE ..... **69¢**

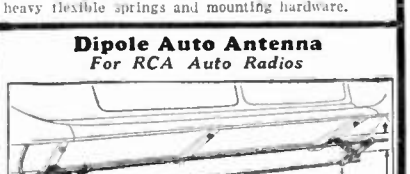
I.C.A. Electroalloy All-Metal Under Car Aerial

3J10183—
YOUR PRICE
$1.47

Easily installed under running board of any car. The **non-magnetic metal** used is non-corrosive and provides greater pickup than the ordinary steel or galvanized iron plate type. 35" long, 8" wide. Running board bolts are insulated from plate by extra heavy rubber washers. Complete with three heavy flexible springs and mounting hardware.

Dipole Auto Antenna

For RCA Auto Radios



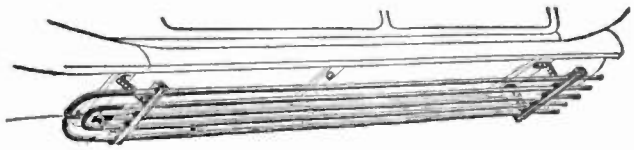
3J10173—Complete with 5' shielded lead-in and all hardware. List Price, $2.60.
YOUR PRICE **$1.09**

Constructed of cadmium plated metal tubing. Two mounting brackets are secured by bolts normally used on car running board. 48" long, 6" wide.

New "Red Head" Running Board Aerial

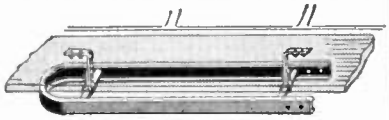
Highest Efficiency Quick, Easy Installation

3F10175—
List Price, $2.50.
YOUR PRICE
$1.47



Designed for installation under the running board on bolts which are already in running board supports. The mounting brackets are adjustable along the entire 46 inch length of the aerial. No drilling is required. Distance from the running board is adjustable from 2" to 4½". The four malleable iron aerial brackets are bolted to thoroughly impregnated moisture proof heavy wooden supports. Aerial Consists of twenty feet of heavy, hard drawn, ¼", triple galvanized, steel rod. Stream line assembly, formed into five 40" divisions, securely welded at two joints making a solid one piece rigid unit. The malleable iron brackets can be easily bent and are readily adaptable to many types of installations. Entire antenna is rust-proofed. Head end is fitted with a machine screw for connecting lead-in. Gives efficient pick up from stations and practically eliminates ignition-noise pickup. **Our tests have proven that the "Red Head" Antenna has a greater percentage of efficiency.** It is a scientifically engineered auto radio antenna as well as the **easiest to install.** There are no springs or loose wires to vibrate. The insulation against all road conditions and weather conditions is practically perfect. Overall dimensions 46" long, 9" wide.

"Red Head" Junior Running Board Aerial



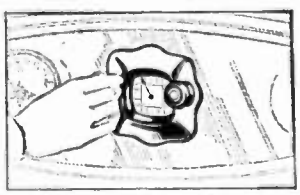
4J10172—List Price, $1.65.
YOUR PRICE ..... **97¢**

New Type Vertical Plate Antenna Gives Higher Efficiency

Mounting brackets are adjustable and will fit under running board of any car on bolts or holes which are already in running board. **Vertical plate construction decreases aerial to ground capacity and increases the signal strength.** Scientifically designed so as not to pickup ignition system interference. **Almost twice the efficiency of the ordinary flat metal plate type of aerial.** This is the finest and most efficient low priced auto aerial we have ever tested. **Sturdily constructed**—no possibility of breakage. Will never sag, vibrate or rattle, and the vertical construction will not permit dirt, mud, snow or rain to accumulate. **Properly insulated against all road and weather conditions**—will never short out. Fitted with spring clip at front for attaching lead-in. Attractive rust-proof red and black finish. Length overall 36", width 17".

PHILCO Auto Radio

Dash Mounting Plates



Permits mounting of all 1935-'36 Philco Remote Control Units (Radio models 805, 806, 808, 809) on the instrument panel of any car. Fits in place occupied by ash tray. Two tapped projections on back of plate exactly fit control head screws. Packed complete with template and instructions. Attractively designed. Chrome-lite finished.
YOUR PRICE, EACH **$1.18**

For Models 805 and 806 Philco Auto Sets

3F6879—Chevrolet, Hudson Terraplane and Pontiac cars.

3F6880—Plymouth, Dodge, Chrysler and DeSoto Airstream cars.

3F6881—Ford Standard and Ford DeLuxe cars.

For Models 808 and 809 Philco Auto Sets

Supplied with Added Hole for Tone Control

3F6882—For Chevrolet, Hudson Terraplane and Pontiac cars.

3F6883—For Plymouth, Dodge, Chrysler and DeSoto Airstream cars.

3F6884—For Ford Standard and Ford DeLuxe cars.

Ground Pick-up Antenna

This Flap Increases Pickup

4D10179—List Price, $2.75.
YOUR PRICE **$1.57**

New weatherproof aerial designed to mount under the running board of any car. Aerial wire is molded inside of flexible, weather-proof rubber strips 3/8" wide. Two strips are mounted parallel on rust proof supporting plates. Overall width 8 inches, length 2 feet 7 inches. An additional 6 inch portion of each strip extends to a point just a few inches above the ground to provide extreme sensitivity. Easy to install, all mounting hardware included. A heavy spring takes up all slack—will not sag or drag.

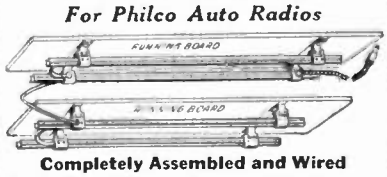
Magic Flap Super Auto Antenna

3F10176—List, $3.50.
YOUR PRICE **$2.06**

A one piece sturdy moulded rubber construction, steel reinforced but not exposed. Pickup flap is moulded as an integral part of the antenna proper. Aerial wire is inside of the rubber which is moulded on to a strong steel frame. Makes a permanent installation—keeps its shape, no sag. Suspended from only two points. **Two adjustable mounting brackets permit installation on bolts normally used on car. No drilling is required.** Brackets are supplied. Lead terminal is securely fastened. **By utilizing the powerful ground waves this antenna gives surprising signal strength.**

Under-Car Antenna

For Philco Auto Radios



Completely Assembled and Wired

3J10171—Single outfit for installation under one running board. Consists of one dual type aerial. List Price, $2.00.
YOUR PRICE **$1.18**

3J10177—Dual outfit for installation under both running boards. Consists of two dual type aerials. List Price, $5.00.
YOUR PRICE **$2.35**

Especially designed for use with Philco auto radios but will give satisfactory results with all other receivers. Fits on bolts already in running board. **Installation is made under one or both running boards. The Dual Outfit has almost twice the efficiency of the Single Outfit.** Insulated connecting cable supplied with Dual Outfit. Braid covered shielded antenna lead. Antenna channels of heavy rust proof metal. Adjustable saddles bolted to rubber supports with adjustable mounting brackets securely riveted to other end. Length of channels 48".

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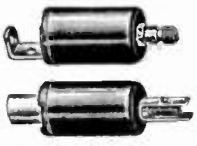
World Radio History

AUTO RADIO

Ward Leonard Auto Spark Suppressors

Save Gas and Improve Auto Radio Performance



A new type low resistance Automobile ignition noise suppressor. Inductive type. Presents very high impedance to the oscillator discharge of an ignition spark but less than 200 ohms to the initial surge which fires the cylinder. Filter is of solid, vibration proof construction, moisture and oil proof, not effected by motor heat. Sell this item both as an improved filter and as an economy item. The low resistance usually results in 2 to 5 miles more per gallon of gas. The jerky idling of a motor with high resistance suppressors is smoothed out.

3J1973—Spark Plug Type.
3J1974—Distributor Type.
List Price, 60c. YOUR PRICE ..... **27¢**
TEN FOR.....$2.65

Ward Leonard New Single Unit Super Auto Spark Suppressor

Eliminates Individual Suppressors

3J1975—List Price, $3.50.
YOUR PRICE **$1.47**

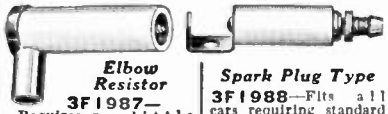
A new inductive type spark suppressor designed for use on late model cars with well-shielded ignition systems. Only one required. Prevents motor noise from reaching the radio. Mounts in center socket of distributor cap only. Casing is moulded bakelite with brass fittings. Heat proof and moisture proof. Because of the low resistance (250 ohms) the intensity of the spark is not reduced. Motor efficiency, speed, mileage, and starting in cold weather is not impaired. On cars with dual ignition systems two of these suppressors are required. Size of unit 5⅞" long overall. ⅝" diameter.

Spark Plug and Distributor Suppressors

For Auto Radio Motor Interference

For silencing engine noises due to spark radiation in Auto Radio installations. Carbon resistance element enclosed in waterproof tube. Cannot short or jar loose. Strong and durable.

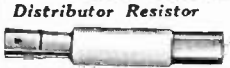
YOUR PRICE EACH For Any Type **12c** TEN FOR $1.14 FIFTY FOR $5.42



Elbow Resistor
3F1987—Requires very little space for mounting.

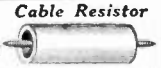
Spark Plug Type
3F1988—Fits all cars requiring standard Suppressor.

Distributor Resistor



3F1989—Standard distributor type.

Cable Resistor



3F1986—Inserts in ignition cable.

Ford V-8 Suppressor

3J1985 — Supplied with a special resistance of 50,000 ohms.

Short Type

3J1990—Used on Buick, Ford V-8, etc. End terminal screws open other end fits all spark plugs.

Auto Radio Lock

Easy to install. Remove old nut from bulkhead bolt, slip on special bushing and nut, and lock slips over nut and bushing. Lock barrel made by Yale. Two keys supplied.

3F6332—List, $1.00.
YOUR PRICE ..... **59¢**

Powerflo Auto Spark Suppressors

Inductive Wire Wound

Spark Plug Type **3F1995**—

Distributor Type **3F1997**—

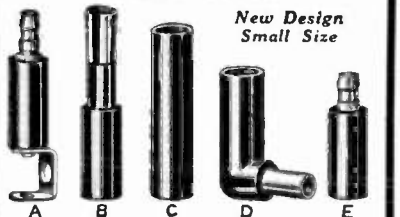
Ford V8 Type **3J1994**—

YOUR PRICE, EACH **20c**
Ten for..$1.90

Stops radio noises—suppresses disturbances in electrical system that cannot be eliminated otherwise—prevents reduction of speed—insures full engine power—allows faster acceleration—saves excess fuel. The Nichrome Wire Core that is used gives thousands of miles more service from spark plugs, coil and ignition points, than any type of carbon suppressor! A full flow of current from distributor to spark plugs without interruption—efficiency is constant. Not affected by heat or humidity. Will not break, crack down or burn out at any speed. Resistance 12,500 ohms. Ford type 25,000 ohms resistance.

New Compact Suppressors

New Design Small Size



3F1979*—Type A Spark Plug Type
3F1980—Type B Distributor Type
3F1981—Type C Cable Type
3F1982—Type D Elbow Type
3F1983*—Type E V8 and other Cars
Your Price 15¢ Each Ten for $1.34

*Fit all makes of spark plugs. End terminal screws open for connecting wires.

Latest design new small size suppressors for use on new model cars. Highly efficient noise suppressors for auto-radio installations. Carbon resistance element is encased in a heat-proof and moisture-proof tube. Metal parts are securely fastened. Leakage is at an absolute minimum.

Capacity and Inductive Type Auto Filter Units

Single Capacitors
In Metal Containers

The units with smaller capacitance are for use on interruptor and battery sides of ignition coil, tail light, windshield wiper, cigarette lighter, motor driven heaters and other electrical accessories on the car. The units with greater capacitance are especially desireable for use on car generators. When the generator charging rate is set exceptionally high, type AG-4b should be used.

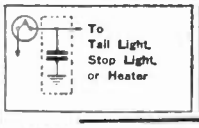
The greater the capacity the greater the filtering value.

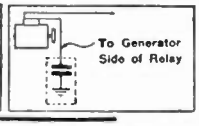
TYPE AG-1. Capacity .25 Mfd. Size ⅝x1¾".
3F5175—List, 80c.
YOUR PRICE, EACH ..... **15¢**

TYPE AG-2. Capacity .5 Mfd. Size ⅝x1¾".
3F5176—List, 95c.
YOUR PRICE, EACH ..... **21¢**

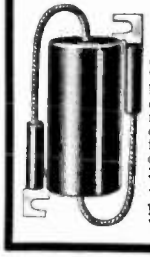
TYPE AG-3a. Capacity 1.0 Mfd. Size 1x2¼".
3F5177—List, $1.25.
YOUR PRICE, EACH ..... **27¢**

TYPE AG-4b. Capacity 1.5 Mfd. Size 1⅛x2⅜".
3F5178—List, $1.75.
YOUR PRICE, EACH ..... **37¢**





Single Capacitor
In Tubular Fibre Case



Cased in a durable fibre tube. Two flexible leads. For use on lighting and electric accessory circuits where there is no ground mounting available for a metal can unit. Can be concealed within the upholstery. Will withstand only normal temperatures.

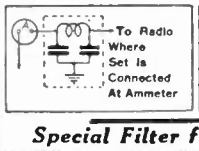
3F5182—Type AG-5. Capacity .5 mfd. Size ⅞"x2½".
List Price, 85c.
YOUR PRICE ..... **18¢**

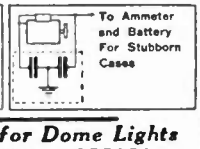
Dual Capacitor and Inductive Units
In Metal Cases

3F5179—List, $1.75.
YOUR PRICE ..... **44¢**

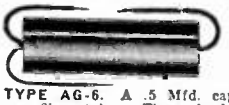
TYPE AG-7. Consists of two .5 Mfd. capacitors and a choke in one can. Size 1⅞x2⅜". For filtering storage battery supply to Radio. Unbalanced condition of electrical auto system caused by various rates of charge and discharge of battery makes this unit indispensible in all installations. Diagram for connecting furnished.

TYPE AG-8. Two .5 Mfd. capacitors properly grounded in one can. Makes possible a high charging rate without radio interference. When generator cutout points are open one section of capacitor filters the disturbance. When motor speed is sufficient to close generator cut out points the other capacitor is automatically added to the charging circuit thereby increasing the filtering effect. Size 1⅞x2⅜".
3F5180—List, $1.50.
YOUR PRICE, EACH ..... **34¢**



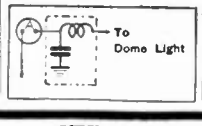


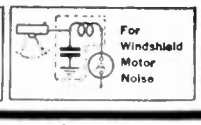
Special Filter for Dome Lights



3F5181—List, $1.50.
YOUR PRICE **34¢**

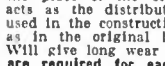
TYPE AG-6. A .5 Mfd. capacitor and choke in one fibre tube. Three leads. For use on any lighting, electric accessory or ignition circuit where interference is unusually stubborn. Size 1x3".





Ford V8 Noise Eliminator Distributor Brush

Replaces Original Brushes



3F1984—List Price, 30c.
YOUR PRICE, EACH ..... **18¢**
Ten for $1.71

A high resistance brush for the distributor of the Ford V8 to eliminate radio interference. Takes the place of the original distributor brush and acts as the distributor suppressor. The material used in the construction of the brush is as durable as in the original brush supplied with the car. Will give long wear life. Two suppressor brushes are required for each Ford V8 distributor. ⅜" diam., ½" long body.

Special Ford V8
Filter Condenser Unit
Bracket Fits Around Ford Bakelite Distributor Head

3J5194—List,
YOUR PRICE .... **25¢**

Especially designed for the new Ford V8 distributor. The metal bracket securely attached to the metal case of the filter unit, exactly fits the two bolts that hold the bakelite distributor cap in place. This filter unit is a necessity on all Ford V8 cars because there is no place for mounting a resistance type of suppressor. The size and capacity exactly meet the requirements for installation and correct filtering on all Ford V8 cars.

World Radio History
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VIBRATOR GUIDE

Name and Model Number	Radiart Stock No.	Radiart Your Price	Mallory Stock No.	Mallory Your Price	Electronic Stock No.	Electronic Your Price
UNITED MOTORS—Con't.						
626, 627, 628, 629	3J3363	3.08	3J3280	3.23	3J3313	3.14
1935 Non-Syn.					3J3305	2.20
6010			3J3391	3.23		
UTAH "B" Elim.—Non-Syn.	3J3347	2.79	3J3263	2.79	3J3300	2.06
WARWICK—511, 618					3J4363	2.50
WELLS GARDNER—V6Z2, Z6Z1			3J3285	2.65	3J3300	2.06
5Y	3J3376	2.94	3J3283	3.23	3J3315	3.23
5Y—12 Volt			3J3296	3.82		
O62, O62A	3J3359	2.94	3J3255	2.94	3J3308	2.20
O72, O72A	3J3352	3.38	3J3257	3.38	3J3316	3.23
6S, 6U, 26S1, 26U1	3J3357	2.65	3J3273	2.65		
O6W (1st Series)	3J3352	3.38	3J3256	3.38	3J3316	3.23
O6W (2nd Series)	3J3352	3.38	3J3271	3.38	3J3316	3.23
6U, Z6S1					3J3329	2.23
6S, Z6U1					3J3305	2.20
WESTINGHOUSE WR-25(4 prong)	3J3342	2.65	3J3286	2.65	3J3304	2.20
WR-26 (6 Prong)	3J3357	2.65	3J3287	2.65	3J3305	2.20
WR-500, WR-501	3J3357	2.65	3J3275	2.65	3J3305	2.20
WILCOX-GAY—4B6	3J3339	2.65	3J3285	2.65	3J3304	2.20
Roadmate	3J3339	2.65	3J3285	2.65	3J3300	2.06
4B6-2, 5F8-90, 5F8-790	3J3339	2.65			3J3304	2.20
WURLITZER—A60, 460	3J3335	2.65	3J3285	2.65	3J3300	2.06
ZENITH—7	3J3335	2.65	3J3287	2.65	3J3300	2.06
460, 462	3J3335	2.65	3J3285	2.65	3J3300	2.06
Junior 7	3J3339	2.65			3J3304	2.20
650HD, 651HE	3J3335	2.65	3J3285	2.65	3J3300	2.06
660TD, 661TE	3J3335	2.65	3J3285	2.65	3J3300	2.06
664, 666, 668	3J3377	2.65			3J3327	2.50
1935 Models					3J3307	2.35
Ford			3J3287	2.65		
4V31, 4V59, 6V27, 6V62	3J4391	2.94			3J3424	2.94

Vibrators for 6 Volt Home Receivers

ERLA-SENTINEL—31B72, 31B74, 34B71, 34B73	3J4390	2.94
SIMPLEX—5DB	3J3380	2.94
WILCOX-GAY—5F8, 9ON.S.	3J3339	2.65
ZENITH—4V31, 4V59, 6V59, 6V62	3J4391	2.94

Household Sets are also listed in the Auto Radio Replacement Guide which includes all 6 and 12 Volt Vibrators.

Vibrators For 32 Volt Home Receivers

ADMIRAL(L'TATRO)—F923	3J3364	3.23	3J3292	2.94	3J3319	3.09
AIRLINE	3J3385	3.08	3J3295	3.09	3J3320	2.94
ATWATER-KENT						
135Z, 215Z, 305Z, 565Z	3J4389	2.94			3J4356	2.50
AUDIOLA—3358	3J3382	3.08	3J3447	3.53	3J3318	2.35
CAPTAIN (L'TATRO)—F913	3J3364	3.23	3J3292	2.94	3J3319	3.09
COLONIAL—(1934 Models)	3J3383	3.38			3J4358	2.79
COMMANDER(L'TATRO) E83	3J3364	3.23	3J3292	2.94	3J3319	3.09
CROSLEY—159, 32V.	3J3384	3.53	3J3448	3.96	3J3323	3.09
645					3J4359	3.38
DELCO—4049, 4050, 4051	3J3384	3.53	3J3448	3.96	3J3323	3.09
(United Motors) 3203, 3204	3J4394	3.23			3J4359	3.38
ELECTRONIC CONV.—10					3J4377	3.82
338					3J4379	2.65
GOV'NOR (L'TATRO) N54, L54	3J3365	3.67	3J3293	3.67	3J3321	3.38
N74, L74	3J3356	2.94	3J3294	2.94	3J3322	2.79
L'TATRO—C625, D625, F725	3J3356	2.94			3J3322	2.79
T6216, U5226, V5226,						
V6236, W6236, X6236	3J3356	2.94	3J3294	2.94	3J3322	2.79
MAJESTIC—490			3J3392	3.53	3J4356	2.50
Complete Pack	3J3350	5.88				
Head Only	3J3362	3.09				
PHILCO—Non.Sync. 32V.	3J4392	3.08			3J4380	3.53
PILOT (L'TATRO)—J5, G63	3J3364	3.23	3J3292	2.94	3J3319	3.09
PRESIDENT—084	3J3365	3.67	3J3293	3.67	3J3321	3.38
094, F725, D625, C625	3J3356	2.94	3J3294	2.94	3J3322	2.79
RECORDER(L'TATRO) P54, P64	3J3356	2.94	3J3294	2.94	3J3322	2.79
SENTINEL (ERLA)	3J3356	2.94			3J3318	2.35
SILVERTONE—(4 prongs)	3J3356	2.94			3J3322	2.79
(6 prong) 1855	3J3383	3.38			3J4358	2.79
5234 Conv.					3J4379	2.65
SIMPLEX—1933, 1934 Models	3J3336	3.23	3J3440	3.38	3J3318	2.35
WELLS GARDNER 1934 (1st Ser.)	3J3356	2.94	3J3295	3.09	3J3320	2.94
1934 (2nd Series)	3J3385	3.09			3J3320	2.94
1935 Models	3J3385	3.09				
26B1, 26B5			3J3295	3.09		
26R1, 36D510, 36D560	3J3356	2.94			3J3320	2.94
ZENITH INV.—11					3J4378	3.82

Auto Radio Cables and Shielding

Shielded Low Capacity Cable

For Auto Antenna Lead-in. Stranded tinned copper conductor size 18. Rubber insulated. Jute filler over conductor with tinned copper shielding overall. Low capacity between conductor and shield permits shield grounding without signal loss.

4F11066—¼" O.D.
10 feet for ..... **49¢**
100 feet for **$4.50**

4F11065—½" O.D.
10 feet for ..... **67¢**
100 feet for **$6.23**

Rubber Jacket Overall

Outer rubber jacket insures Positive Weatherproofing. Can be used for Auto Antenna Lead-in or wherever a low capacity cable must withstand climatic conditions. Constructed like above cable except enclosed in a heavy rubber jacket.

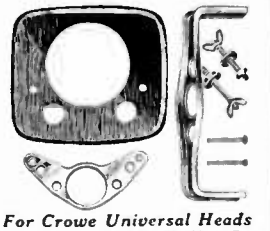
4E11067—⅝" O.D.
10 feet for ..... **95¢**
100 feet for **$9.02**

Shielded Low Capacity Weatherproof Tubing

⅛" Inside Diameter and approximately ¼" Outside Diameter. Small outside diameter permits easy assembly in corner post of auto as shield for antenna lead-in. Excellent for shielding output of signal generators, or any cables with a diameter of less than ⅜". Consists of a thoroughly impregnated loom tubing covered with a finely woven tinned copper shield.

4E11068—10 ft. coil.
YOUR PRICE ..... **46¢**
100 feet for **$3.95**

Instrument Panel Mounting Kits



For Crowe Universal Heads

For mounting all 1935-'36 Crowe Remote Controls on dash of cars listed below. Fits in place now occupied by ash tray. Many auto radio manufacturers including Emmerson, Stewart-Warner, Wells-Gardner, Traveler and Climax use the Crowe Remote Control. Kit includes dash plate, brackets and all hardware. Size: 3¾" wide, 3⅝" high. Escutcheon is finished exactly like dash of car for which it is supplied.

3F6863 —Chrysler 1935 Airstream
3F6864 —DeSoto 1935 Airstream
3F6865* —Ford 1934 Deluxe & Standard
3F6864 —Dodge 1935 All Models
3F6864 —Hupmobile 1935
3F6864 —Plymouth (Early 1935)
3F6866 —Plymouth (later 1935)
List Price, $1.20.
YOUR PRICE **71c**
*On Ford Standard Models hole must be cut in panel.

Ford Panel Kit

For Mounting Crowe Remote Controls on Dash of Ford 1935 Standard and DeLuxe Models. Kit includes panel escutcheon and all screws, nuts, washers and attaching brackets.

3J6869—DeLuxe (taupe finish).
3J6870—Standard (Maroon finish).
YOUR PRICE ..... **59¢**

Copper Shielding

For Use on Any Wire

This shielding is used on amplifiers, speakers, public address conduits, automobile radios and wherever it is desirable to eliminate electrical interference. Forms perfect electrostatic and interference shield. The conductors are run through the sleeving and the sleeving is grounded. Very flexible; can be expanded to nearly double its original diameter, but the length is reduced proportionately. Prices quoted are for lengths of flat wire. Shortening of shielding when opened up to sizes we specify is about 25%, so order 25% more flat length than opened up length actually needed.

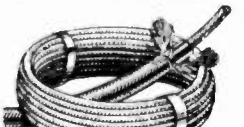
Natural Copper Finish

Stock Num.	Diam. Open	Wide Flat	10 ft. For	50 ft. For
4E11072	1 in.	⅝ in.	42c	$1.65
4E11073	½ in.	⅜ in.	30c	1.25
4E11074	⅜ in.	¼ in.	20c	.85
4E11075	¼ in.	⅛ in.	15c	.60

Individual Wires Tinned

Stock Num.	Diam. Open	Wide Flat	10 ft. For	50 ft. For
4J11076	1 in.	⅝ in.	55c	$2.35
4J11077	½ in.	⅜ in.	38c	1.65
4J11078	⅜ in.	¼ in.	27c	1.10
4J11079	¼ in.	⅛ in.	22c	.95

Shielded Lead-in and Ground Wire



Size 18 stranded inner conductor. Rubber insulated with outer braided shield of tinned copper wire. When used as lead-in, by grounding the outer shield to the car frame, the tendency to pick up ignition noise and other static between aerial and receiver is practically eliminated.

3E2195—50 foot coil.
EACH ..... **45¢**
3E2196—100 foot coil.
EACH ..... **88¢**
3E2194—250 foot coil.
EACH **$2.15**

Shielded Ignition Cable

7 M/M shielded secondary high tension wire. For leads from plugs to coil, distributor to coil, etc. Conductor consists of 16 strands size 27, tinned copper wire, over which is covering of high tension rubber compound and a specially impregnated cotton braid. Overall is woven shielding of tinned copper wire. Very flexible.

4E11071—10 feet for .... **85¢**
100 feet for **$8.40**

Shielded Wires for Auto Radio Installations

For "A" Battery Leads

Conductor is B & S size 12 equivalent, consisting of 65 size 30 stranded copper wires. Insulation consists of two wrappings of varnish impregnated cambric tapes over which is a woven cotton braid. Overall is woven shielding of tinned copper wire. Very flexible.

4E11069—10 feet for .... **50¢**
100 feet for **$3.85**

For "B" Battery and Speaker Leads

4E11070—Conductor is B & S, size 18 equivalent consisting of 16 strands size 30 copper wire. Insulation same as above.
10 feet for ..... **30¢**
100 feet for **$2.20**

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World Radio History

MALLORY Vibrators

For Auto Radios and Home Receivers

Excellent quality vibrators. In many instances these replacement vibrators will perform more satisfactory than the original.

Mallory Part Number	Radolek Stock Number
250	3F3272
253	3F3273
253T	3F3274
253Y	3F3275
292	3F3285
294	3F3286
296	3F3287
297	3F3445

List, $4.50
Your Price, **$2.65**

220B	3F3262
221	3F3263
311S	3F3290

List, $4.75
Your Price, **$2.79**

Mallory Part Number	Radolek Stock Number
201	3F3250
202	3F3251
203	3F3252
204	3F3253
205	3F3254
206	3F3255
302S	3F3288
303S	3F3289
312T	3F3291
F204	3F3292
F251	3F3294

List, $5.00
Your Price, **$2.94**

222	3F3264
226	3F3443
F253	3F3295

List, $5.25
Your Price, **$3.09**

Mallory Part Number	Radolek Stock Number
G253	3F3441
270B	3F3276
271	3F3277
271HD	3F3278
273B	3F3279
273C	3F3280
273D	3J3390
275	3F3281
277S	3F3282
281	3J3391
285	3J3449
286S	3F3283
287M	3F3284
289Y	3F3444

List, $5.50
Your Price, **$3.23**

F220C	3J3392
275X	3J3393
285XS	3J3394
F312	3F3447

List, $6.00
Your Price, **$3.53**

F223	3F3448

List, $6.75
Your Price, **$3.96**

Mallory Part Number	Radolek Stock Number
210	3F3256
211	3F3257
212	3F3258
213	3F3259
214	3F3260
219	3F3261
F221	3F3440
223	3F3265
225	3F3442
230	3F3266
231	3F3267
234	3F3268
235	3F3269
236	3F3270
237	3F3271

List, $5.75
Your Price, **$3.38**

F211	3F3293

List, $6.25
Your Price, **$3.67**

G286S	3F3296
G287M	3F3297
224	3F3446

List, $6.50
Your Price, **$3.82**

*Requires Special Cup Adapter 3F3298—Your Price 29c. Prefix letter "F" designates 32V. Vibrator, "G" designates 12V. Vibrator.

Use Replacement Guide for selecting correct vibrator according to receiver name and model.

Quantity Price!

Mallory Number 292 Vibrator.
3F3285—
12 for $27.00

Potter Antenna Capacity Bridge

3F5899
YOUR PRICE
$5.88
Complete

With Test Leads and Batteries Entirely Self Contained. For accurately testing efficiency of all automobile aerials under actual operating conditions. Tests for—high resistance shorts, too much capacity to body, too small an area, loose or open connections to lead-in. Range 0 to .01 mfd. Measures small capacity paper and mica condensers. Operates with any type of headphones or low range output meter. Operates on two flashlight cells easily replaced by removing screw cap at side. Black metal case. Size 5"x5"x3½".

Genuine Philco Vibrator Replacement

1933, '34, '35 Philco Auto Radios
3F3395—List, $5.00.
YOUR PRICE ... **$2.94**

Philco part number 38-5036. Entire unit is housed in a sponge rubber padded cylinder. Vibrator points are of pure silver. Plug-in type. Standard 4 prong base. Size 2½"x5¼" high.

Improved R. C. A. Vibrators

For R.C.A. M-34 and G.E. B-40
3F3396—List $6.00.
Your Price **$3.60**

R.C.A. part number 7604. Exactly replaces the vibrators used in the R.C.A. model M-34 and General Electric Model 40-B auto receivers. High efficiency and long life. Case is of double aluminum with felt insulation. Vibrator unit is mounted in rubber. Input voltage range, 4 to 8 volts. Output 265 volts at 50 ma. with 6 volts input. 5 color coded leads. Size 2½"x4½" high.

Vibrator Base Only

R.C.A. Part number 6577. Capacitor and base assembly comprising vibrator base and two .01 Mfd., capacitors. For the R.C.A. M-34 and G.E. B-40 vibrator. Supplied with leads for connecting.
3F3397—List, 78c.
YOUR PRICE ..... **47¢**

R.C.A. M-105 and G.E. C-41 Vibrator

R.C.A. part number 7689. An improved genuine R.C.A. replacement. Exactly replaces the vibrators in the R.C.A. M-105 and General Electric C-41 auto radios.
3F3398—List, $7.20.
YOUR PRICE **$4.32**

R.C.A. M-107 and G.E. C-60 Vibrator

R.C.A. part number 7780. Genuine R.C.A. improved replacement. Exactly replaces the vibrators in the above receivers
3F3399—List, $4.96.
YOUR PRICE **$2.97**

Radolek Can Supply Replacement Vibrators for Any Make of Auto Radio or Home Set

AUTO RADIO REPLACEMENT

Name and Model Number	Radiart Stock No.	Radiart Your Price	Mallory Stock No.	Mallory Your Price	Electronic Stock No.	Electronic Your Price
MISSION BELL—10A, 11, 12, 14, 25A, 16	3J3335	2.65	3J3285	2.65	3J3300	2.06
MONTGOMERY-WARD—87	3J3335	2.65	3J3285	2.65	3J3300	2.06
62-118, 62-166	3J3357	2.65	3J3273	2.65	3J3305	2.20
Auto Radio	3J3359	2.94	3J3255	2.94	3J3308	2.20
6Y Chassis, 62-199	3J3376	2.94	3J3283	3.23	3J3315	3.23
62-136, 62-138			3J3295	3.09		
MOTOROLA—34	3J4384	2.65	3J3286	2.65	3J3305	2.20
88	3J3360	2.94	3J3288	2.94	3J3301	2.65
61	3J3360	2.94	3J3288	2.94	3J3301	2.65
77, 66	3J3361	3.38	3J3266	3.38	3J3316	3.23
77A	3J3340	3.23	3J3276	3.23	3J3314	2.94
55	3J3387	3.38	3J3267	3.38	3J3317	3.29
55A	3J3387	3.38	3J3268	3.38	3J3317	3.29
44	3J3341	3.38	3J3269	3.38	3J3317	3.29
44A, S6, 66A	3J4397	3.23	3J3276	3.23	3J3314	2.94
Dual 6, Twin 8	3J3357	2.65	3J3273	2.65	3J3329	2.20
57, 75, 100, F57, F75, F100, GM57, GM62, GM75, GM100, GM110	3J3378	2.65	3J3274	2.65	3J3307	2.35
For Plate Antenna	3J3378	2.65	3J3274	2.65	3J3305	2.20
MUSIC MASTER—Ten-Ten	3J3335	2.65	3J3285	2.65	3J3300	2.06
PACKARD (1933, 1934)	3J3366	2.65			3J3303	2.20
PHILCO—5, 6, 6F, 9, 9F, 10, 11, 51, 700, 800, 802, 805, 806, 807, 808, 809, 810, FF Elim., EG Elim., FN. All 1934, 1935 Models	3J3366	2.65	3J3272	2.65	3J3303	2.20
RADIART "B" Eliminator	3J3335	2.65			3J3300	2.06
3310 Majestic Unit	3J3335	2.65			3J3300	2.06
R. C. A. VICTOR—M34, M105	3J3353	3.23	3J3279	3.23	3J3311	3.15
M116 (Arm-Rest Model)	3J4399	3.82	3J3446	3.82		
M123	3J3357	2.65	3J3273	2.65	3J3305	2.20
M107			3J3297	3.82		
RC166-2 (12 Volt)			3J3286	2.65	3J3306	2.35
RS63-1, M109, 63	3J3376	2.94	3J3281	3.23	3J3315	3.23
101, 104, 108, 166, RC166	3J3379	2.65	3J3286	2.65		
109						
REMLER—27 (Scotty)	3J3335	2.65	3J3285	2.65	3J3300	2.06
35	3J3367	2.65			3J3304	2.20
SEARS ROEBUCK—1935 Models					3J4371	2.35
7128 (4 Prong)	3J4384	2.65	3J3286	2.65	3J3305	2.20
7128 (6 Prong)	3J3338	2.65	3J3287	2.65	3J3304	2.20
7117, 1859A	3J3340	3.23	3J3277	3.23	3J3314	2.94
SENTINEL (SEE ERLA)						
SIMPLEX—T	3J3334	2.94	3J3285	2.65	3J3300	2.06
1935 Auto & 6 Volt House Set	3J3380	2.94				
Auto, DF, DFK, DB, DBK	3J4384	2.65			3J4373	2.94
SOLAR—O62, O62A	3J3359	2.94	3J3255	2.94	3J3308	2.20
SPARTON—33, 33A	3J3347	2.79	3J3285	2.65	3J3300	2.06
30	3J3349	3.08				
296, 333	3J3339	2.65	3J3287	2.65	3J3304	2.20
1936 Models					3J4366	2.35
STAR—O62, O62A	3J3359	2.94	3J3255	2.94	3J3308	2.20
6U	3J3357	2.65	3J3273	2.65	3J3305	2.20
STEWART RADIO—50, 60	3J3332	2.79	3J3285	2.65	3J3300	2.06
STEWART WARNER—R-132	3J4395	3.23	3J3444	3.23	3J4354	3.15
1171, 1172, R1118			3J3286	2.65	3J3305	2.20
R1112, 1121, 1122	3J3335	2.65			3J3300	2.06
1112, 1171, 1172, 131, 133	3J4384	2.65				
1311 to 1319 inc.	3J4384	2.65	3J3286	2.65	3J4350	2.50
R-118, 1181, 1182, 1183			3J3286	2.65		
1936 Models					3J3325	2.50
STROMBERG-CARLSON—33	3J3352	3.38	3J3270	3.38	3J3316	3.23
TATRO, L—6A, K665, H465, J665, 1465	3J3340	3.23	3J3281	3.23	3J3314	2.94
M4616, O4626, P4626, Q5636, R5636			3J3393	3.53		
M4616, S5636, S6636					3J4376	3.23
M4616, P4626, Q4626						
R5236, R5636, (2nd)			3J3394	3.53		
TRA-AVLON 5 TUBE	3J3335	2.65			3J3300	2.06
TROPIC-AIRE						
O6W (1st Series) O6X	3J3352	3.38	3J3256	3.38	3J3316	3.23
O6W (2nd Series)	3J3352	3.38	3J3271	3.38	3J3316	3.23
TRUETONE—Z6Z1	3J3335	2.65	3J3285	2.65	3J3300	2.06
O62, O62A	3J3359	2.94	3J3255	2.94	3J3308	2.20
O62 (3rd Series)	3J3333	2.94			3J3300	2.06
6U	3J3357	2.65	3J3273	2.65	3J3305	2.20
25Y	3J3376	2.94				
25-Y-1			3J3283	3.23	3J3315	3.23
5Y					3J3315	3.23
6R, 6S					3J4350	2.50
R-131, 1312R	3J4348	2.65	3J3286	2.65	3J4350	2.50
TRUEVALUE—6U	3J3357	2.65	3J3273	2.65	3J3305	2.20
UNITED MOTORS—2035, 4036	3J3347	2.79	3J3263	2.79	3J3300	2.06
4037, 4038	3J3349	3.09	3J3264	3.09	3J3309	2.94
Plug-in Syn.			3J3280	3.23	3J3313	3.14
500, 630	3J3337	2.65				
UNITED MOTORS—Con't.						

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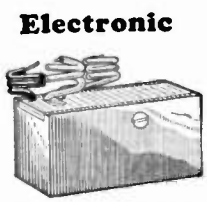
World Radio History

VIBRATOR REPLACEMENT GUIDE

Name and Model Number	Radiart Stock No.	Radiart Your Price	Mallory Stock No.	Mallory Your Price	Electronic Stock No.	Electronic Your Price
DETROLA—6A, 1100, 1100A	3J3358	2.79	3J3262	2.79	3J3324	2.20
1934, '35, Models	3J3335	2.65			3J3300	2.20
6M, 6R	3J4384	2.65			3J3305	2.20
5 Tube			3J3286	2.65		
1935 Plug-in	3J4384	2.65			3J4370	2.35
DeWALD—52	3J3347	2.79	3J3263	2.79	3J3300	2.06
61	3J3335	2.65	3J3285	2.65	3J3300	2.06
605, 608	3J3372	2.65	3J3275	2.65		
640	3J3373	2.65	3J3285	2.65	3J3300	2.06
A606, A605	3J3337	2.65	3J3286	2.65	3J3305	2.20
ELECTRIC AUTO-LITE—072			3J3257	3.38		
062, 062A	3J3359	2.94	3J3255	2.94	3J3308	2.20
ELECTRONIC B-ELIM.			3J3285	2.65	3J3300	2.06
EMERSON—965, 667	3J3342	2.65	3J3287	2.65	3J3304	2.20
5A	3J3340	3.23	3J3282	3.23	3J3315	3.23
6A	3J3357	2.65	3J3275	2.65	3J3305	2.20
678-1, 678-2	3J3343	3.23	3J3264	3.09	3J3309	2.94
1933 Models	3J3343	3.23			3J3312	3.14
DeLuxe	3J3374	3.23			3J3315	3.23
1A	3J3357	2.65			3J3304	2.20
ERLA (SENTINEL)—602	3J3332	2.79	3J3285	2.65	3J3300	2.06
603	3J3386	2.65	3J3285	2.65	3J3300	2.06
5500	3J4384	2.65	3J3286	2.65	3J3305	2.20
7M, 10M, 10MF, 11M	3J3375	2.65			3J4364	2.35
600			3J3285	2.65		
31B, 34B					3J4375	3.09
FADA—101, 102, 104B	3J3347	2.79	3J3263	2.79	3J3300	2.06
166 (12V. Auto)	3J4388	2.94	3J3441	3.23		
166 (6V. Auto)	3J4384	2.65	3J3275	2.65	3J3305	2.20
FAIRBANKS-MORSE (SEE AUD	**IOL**	**A)**				
FIRESTONE-DeLuxe, R-132-2	3J4395	3.23	3J3444	3.23	3J4354	3.15
5 Tube, 6 Tube, 1314, R-133-2	3J3337	2.65	3J3286	2.65	3J4350	2.50
FORD—(Philco)	3J3366	2.65	3J3272	2.65	3J3303	2.20
(Lincoln)	3J3339	2.65	3J3287	2.65	3J3304	2.20
(R.C.A.)					3J3306	2.35
(Zenith)	3J3339	2.65			3J4351	2.35
Utah Replacement					3J3304	2.20
FORD (MAJESTIC)			(See	Page	150)	
Plug-in Pack	3J3346	5.88				
Standard Pack	3J3344	4.70				
Vibrator Head	3J3358	2.79				
Vibrator Only (Plug-in Type)	3J3339	2.65	3J3262	2.79	3J3324	2.20
FREED—A9	3J3352	3.38	3J3256	3.38	3J3316	3.23
GALVIN (SEE MOTOROLA)						
GENERAL ELECTRIC—123	3J4399	3.82				
B40, C41, B52, C61	3J3353	3.23	3J3279	3.23	3J3311	3.15
C60	3J3357	2.65	3J3273	2.65	3J3305	2.20
D50, D51, D52	3J3376	2.94	3J3284	3.23	3J3315	3.23
D72	3J3367	2.65	3J3286	2.65	3J3306	2.35
GRAYBAR—150 (Chassis)	3J3340	3.23	3J3277	3.23	3J3314	2.94
GREBE—61-R	3J3335	2.65	3J3285	2.65	3J3300	2.06
GULBRANSEN (See WELLS-GARDNER)						
HARLEY DAVIDSON-All Models	3J3340	3.23	3J3278	3.23	3J4352	2.94
HUDSON TERRAPLANE						
Majestic Head	3J3358	2.79	3J3262	2.79		
Majestic (Vibrator Only)					3J3324	2.20
Zenith 1933, '34 Models	3J3335	2.65				
Zenith 1935 Models	3J3377	2.65			3J3305	2.20
650HD, 650HE, 660TD, 661TE					3J3300	2.06
INTERNATIONAL—K-60			3J3287	2.65	3J3304	2.20
1934 Models	3J3339	2.65			3J3304	2.20
KARADIO—65, 66, 88, 667					3J4374	2.94
All 1934's, 57, 85, 150, 160, 180	3J3338	2.65			3J4372	2.35
LARKIN COMPANY—91, 16	3J3335	2.65	3J3285	2.65	3J3300	2.06
LEWOL—9101, 9102	3J3335	2.65	3J3285	2.65	3J3300	2.06
LINCOLN (FORD)	3J3339	2.65	3J3287	2.65	3J3304	2.20
MAJESTIC—66, 116, 116A, 118, 40-18805			3J3262	2.79	3J3324	2.20
66 (Head), 116, 116A	3J3358	2.79				
66 (Complete Pack with 84 tube)	3J3345	5.29				
66 (Complete Pack with old style Majestic tube)	3J3344	4.70				
Utah Unit					3J3304	2.20
MALLORY "B" ELIMINATOR						
Type 1			3J3250	2.94		
Type 2			3J3251	2.94		
Type 3			3J3252	2.94		
Type 4			3J3253	2.94		
Type 5	3J3359	2.94	3J3254	2.94	3J3308	2.20
Type 6	3J3359	2.94	3J3255	2.94	3J3308	2.20
Non-Syn. "B" Eliminator	3J3359	2.94			3J3308	2.20
Syn. "B" Eliminator	3J3352	3.38			3J3316	3.23
10, 10C, 10CA, 10P, 10PC, 10ST			3J3256	3.38		
11, 11M, 11C, 11CD, 11P, 11PC			3J3257	3.38		
12, 12C, 12PC			3J3258	3.38		
13, 13S			3J2259	3.38		
14, 14C, 14PN			3J3260	3.38		



REPLACEMENT VIBRATORS For Auto Radios and Home Receivers

Fully guaranteed against defects under standard R.M.A. warranty. See Guide for alphabetical listing of receivers and model numbers.

Mfg. Type Number	Radolek Stock Number	List Price	Your Price
400	3J3300	$3.50	$2.06
410	3J3324	3.75	2.20
440	3J3325	4.25	2.50
441	3J4363	4.25	2.50
442	3J3326	4.25	2.50
443	3J3327	4.25	2.50
444	3J3328	4.00	2.35
445	3J3301	4.50	2.65
446	3J4364	4.00	2.35
449	3J3302	3.75	2.20
450	3J3329	3.75	2.20
P450	3J3303	3.75	2.20
452	3J3304	3.75	2.20
453	3J3305	3.75	2.20
454	3J4365	4.50	2.65
456	3J3306	4.00	2.35
457	3J4366	4.00	2.35
458	3J3307	4.00	2.35
459	3J4367	4.75	2.79
460	3J3308	3.75	2.20
461	3J4368	4.75	2.79
464	3J4369	4.00	2.35
466	3J4350	4.25	2.50
467	3J4370	4.00	2.35
468	3J4371	4.00	2.35
469	3J4372	4.00	2.35
470	3J4351	4.00	2.35
700	3J3309	5.00	2.94
701	3J3310	4.85	2.84
702	3J3311	5.35	3.15
703	3J3312	5.00	2.94
704	3J3313	$5.35	$3.14
705	3J3314	5.00	2.94
706	3J3315	5.50	3.23
707	3J4352	5.00	2.94
708	3J4353	5.60	3.29
709	3J4354	5.35	3.15
710	3J3316	5.50	3.23
711	3J3317	5.60	3.29
712	3J4355	5.00	2.94
714	3J4373	5.00	2.94
715	3J4374	5.00	2.94
716	3J4375	5.25	3.09
717	3J4376	5.50	3.23

Replacement Vibrators For 32 Volt Home Receivers

Mfg. Type Number	Radolek Stock Number	List Price	Your Price
3210	3J4377	6.50	3.82
3211	3J4378	6.50	3.82
500	3J3318	4.00	2.35
510	3J4356	4.25	2.50
512	3J4379	4.50	2.65
540	3J3319	5.25	3.09
541	3J3320	5.00	2.94
542	3J3321	5.75	3.38
543	3J4380	6.00	3.53
549	3J4357	4.25	2.50
550	3J3322	4.75	2.79
560	3J4358	4.75	2.79
561	3J4359	5.75	3.38
570	3J3323	5.25	3.09

I.C.A. Interferotrol

A Scientifically Designed Auto Radio Noise and Spark Plug Suppressor Eliminator

A highly efficient easily installed ignition noise eliminator which **does not interfere** in any way with the functions of the **car ignition system. For noise-free Auto Radio reception.** Consists of a combination high-frequency filter and an adjustable balancing circuit that completely eliminates the use of spark plug suppressors. A manual inductance control permits positive "balancing out" of interference regardless of the frequency. This adjustable feature is essential for perfect operation because of the different frequency characteristics encountered in different cars. Shielded metal container fitted with bracket for mounting. Installed in series with the antenna at receiver.

3J8555—List, $2.25.
YOUR PRICE **$1.32**

Big Sales Opportunity

Every Auto Radio owner is a prospect for an Interferotrol. Show him that for a small sum you can transform his noisy auto radio into a highly efficient and satisfactory instrument. You'll clinch your sales by simply pointing out the savings in gas cost, in battery drain, freedom from ignition troubles, etc. **The Interferotrol will also help you to sell new auto radios.** You can now demonstrate any auto set even under the most trying conditions and satisfy the most skeptical customer.

SPRAGUE Auto Radio Vibrator Condensers

1500 D.C. Working Volts

Type FR *Type AR* *Type LR*

Type MV

Designed for use as replacements in auto radio vibrator units. Oil impregnated—Fully sealed. Metal can type with flexible leads.

Cap. Mfds.	Stock No.	Type No.	Dimensions
.01	3F7588	FR-11	1 x ⅜x¼
.02	3F7586	FR-12	1 x ⅜x¼
.007	3F7589	LR-27	1 1/16x ⅜x 9/32
.01	3F7590	LR-11	1 1/16x ⅜x 9/32
.02	3F7591	LR-12	1 1/16x ⅜x 9/32
.01	3F7581	AR-11	1 11/16x 13/16x¼
.02	3F7582	AR-12	1 11/16x 13/16x¼
.03	3F7583	AR-13	1 11/16x 13/16x¼
.04	3F7584	AR-14	1 11/16x 13/16x¼
.05	3F7585	AR-15	1 11/16x 13/16x¼
.01	3F7592	MV-11	3 x 9/16x 3/8
.01	3F7600	TR-11	Tubular
.02	3F7601	TR-12	Tubular

List Price, 45c.
YOUR PRICE, EACH..... 27¢

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World Radio History

Exact Duplicate **Radiart** *Replacement Vibrators*

For Auto Radios and Home Sets

Radiart Vibrators have achieved an enviable record of excellent performance under all operating conditions. Many major manufacturers of automobile radios are today using Radiart Vibrators as standard equipment. Only the finest materials are used. Every vibrator that leaves the factory goes through 37 separate distinct inspections and tests before it is released. Exhaustive life tests, two hundred times more severe than any service the vibrators could be subjected to in actual use, are made at the factory. **SERVICEMEN**—use the replacement vibrator the set manufacturers prefer. Not universal replacements—**Radiart vibrators are exact duplications of the original vibrators** used in the receivers for which Radiart replacements are specified. If the Radiart type number of the vibrator you need is not stamped on the defective unit see the Vibrator Replacement Guide. Radiart type numbers with the corresponding Radolek stock numbers are listed below. On your order be sure to specify the correct Radolek stock number for the type vibrator you require.

Radiart Part Number	Radolek Stock Number
2742	3F3330
2867	3F3335
3260	3F3337
3261	3F3338
3262	3F3367
3263	3F3339
3299	3F3342
3320	3F3366
3356	3F3355
3375	3F3386
3417	3F3357
3741	3F3372
3782	3F3369
3786	3F3373
3806	3F3379
3815	3F3378
3818	3F3381
3865	3F3377
3888	3F3375
4260	3J4384
4313	3J4385
4318	3J4386

List, $4.50
Your Price, $2.65

Radiart Part Number	Radolek Stock Number
2747	3F3332
3313	3F3347
3442	3F3358
3398	3F3370

List, $4.75
Your Price, $2.79

2819	3F3333
2864	3F3334
3395	3F3356
3443	3F3359
3444	3F3360
3481	3J4387
3679	3F3380
3774	3J4388
3789	3F3371
3883	3F3376
4314	3J4389
4403	3J4390
4612	3J4391

List, $5.00
Your Price, $2.94

Radiart Part Number	Radolek Stock Number
3315	3F3349
3460	3F3362
3461	3F3363
3608	3F3382
3651	3F3385
3848	3F3368
4319	3J4392
4611	3J4393

List, $5.25
Your Price, $3.08

3225	3F3336
3283	3F3340
3308	3F3343
3319	3F3353
3462	3F3364
3850	3F3374
4404	3J4394
4414	3J4395
4500	3J4396
4502	3J4397
4608	3J4398

List, $5.50
Your Price, $3.23

Radiart Part Number	Radolek Stock Number
3290	3F3341
3317	3F3351
3318	3F3352
3445	3F3361
3503	3F3383
4607	3J3387

List, $5.75
Your Price, $3.38

3607	3F3384

List, $6.00
Your Price, $3.53

4415	3J4399

Your Price, $3.82

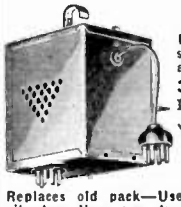
3310	3F3344
3314	3F3348

List, $8.00
Your Price, $4.70

3312	3F3346
3316	3F3350

Your Price, $5.88

Ford-Majestic
Complete Replacement Pack



Radiart Code 3312. For sets with serial numbers after 26636.
3F3346—List, $10.00.
YOUR PRICE **$5.88**

Replaces old pack—Uses new plug-in vibrator—Uses new type 84 tube!

Eliminates at one stroke both sources of trouble in the old style Ford receiver . . . . first the old type vibrator unit and transformer, and secondly the old style rectifier tube, which in addition to being troublesome is so difficult to secure. A complete primary power pack, scientifically designed and tested in the receiver. Easy to install. Tube supplied. Instructions included.

Majestic Twin 6
Complete Replacement Pack

For replacement on both Majestic twin six sets and on Ford Majestic receivers of the vibrator type under serial number 26636. Pack incorporates a type 84 rectifier tube.
3J3345—Code 3311.
YOUR PRICE **$5.25**

3F3344—Code 3310. Same as the above pack but with old style Majestic rectifier tube.
YOUR PRICE **$4.70**

Radiart Replacement Head

For Majestic 66-116 and All Ford-Majestics of Non Plug-in Type, also Belmont 660.

Modernizes all the above auto radio receivers by applying the latest vibrator improvements. Does not require replacement of the entire pack. Use this vibrating head in place of the original. Exactly fits. No rewiring or redrilling necessary. Will give from 3 to 6 times the life of the original unit. A .01 Mfd., 1000 Volt condenser included.
List, $4.75—Code 3442.
3F3358 ..... **$2.79**

General Electric and R. C. A.
Replacement

Exactly replaces the original vibrator used in General Electric models: B40, C41, B52 and C61 also R.C.A. models M34, M105, M116 (Arm-Rest model), DeLuxe 123. Will give long trouble free service.
3F3353—Code 3319.
YOUR PRICE **$3.23**

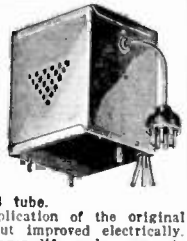
Philco Replacement

Exactly replaces the original vibrator used in the following Philco auto sets: 5, 6, 6F, 9, 9F, 10, 11, 51, 800, 805, 806, 807, 808 and "B" eliminators: EF, EG and FN. Also any 1934 or 1935 models not specified above.
3F3366—Code 3320.
YOUR PRICE **$2.65**

Motorola Replacements
Models 66, 77
(1st series)

Exactly duplicates the original physical specifications. Improved electrically. Will give long satisfactory service.
List Price, $5.75.
3F3361—Code 3445.
Your Price **$3.38**

Belmont
Model 660 Complete Replacement Power Pack.



3F3348—Radiart, Code 3314.
Your Price
$4.70

With type 84 tube.
An exact duplication of the original as to size but improved electrically. Will give longer life and more satisfactory service.

AUTO RADIO

Name and Model Number	Radiart Stock No.	Radiart Your Price	Mallory Stock No.	Mallory Your Price	Electronic Stock No.	Electronic Your Price
ADDISON—531, 631	3J3335	2.65	3J3285	2.65		
AIR CHIEF—66					3J3312	2.94
AIRLINE—62	3J3359	2.94	3J3273	2.65	3J3308	2.20
118	3J3357	2.65	3J3273	2.65	3J3305	2.20
Auto Radio			3J3255	2.94		
AIRMATE (BOD)—1934			3J3264	3.03		
4 Tube 1935			3J3280	3.28		
ALL-AMERICAN MOHAWK						
A-60	3J3335	2.65	3J3285	2.65	3J3300	2.06
ARCADIA—6U	3J3357	2.65	3J3273	2.65	3J3329	2.20
O62, O62A	3J3350	2.94	3J3255	2.94	3J3308	2.20
O72, O72A, 172	3J3352	3.38	3J3257	3.38	3J3316	3.23
ARVIN—10A, 20A, 20B, 30A, 30B,						
16, —15, 25, 35, 45, (2nd series)	3J3330	2.65	3J3285	2.65	3J3300	2.06
15, 25, 35, 45, (1st series)	3J3338	2.65	3J3287	2.65	3J3304	2.20
17, 17A, 27, 37, 7	3J3367	2.65	3J3286	2.65	3J3307	2.35
ATWATER-KENT—424, 534	3J3343	3.23	3J3264	3.09	3J3312	2.94
666, 776, 926, 936	3J3339	2.65	3J3287	2.65	3J3401	2.35
816	3J3368	3.08	3J3443	3.09	3J3402	2.94
135Z, 215Z, 305Z, 565Z					3J4351	2.35
AUDIOLA—A6	3J3343	3.23			3J3312	2.94
C6, 64, 74	3J3369	2.65			3J4370	2.35
23-S-7, 33-S-6			3J3291	2.94	3J3301	2.65
33A6			3J3442	3.38	3J3310	2.84
345, 346, 347 (6 prong)	3J3355	2.65	3J3287	2.65	3J3302	2.20
S-6, S-7	3J3340	3.23			3J3312	2.94
346, 347 (4 prong)			3J3286	2.65	3J3305	2.20
AUTOCRAT—5	3J3335	2.65	3J3285	2.65	3J3300	2.06
518, 618	3J3357	2.65			3J3329	2.20
AUTOMATIC						
Tom Thumb (1933 Models)	3J3335	2.65	3J3285	2.65	3J3300	2.06
Sr. A 600, Jr.	3J3370	2.91	3J3285	2.65	3J3300	2.06
1934, 1935 Models, A5, S6	3J3370	2.91	3J3285	2.65	3J3328	2.35
BELMONT (FRESHMAN)						
660 (Complete Pack)	3J3348	4.70				
660 (Vibrator Head)	3J3358	2.79				
660 (Vibrator Only)			3J3262	2.79	3J3324	2.20
1932 Models			3J3290	2.79	3J3301	2.65
670	3J3339	2.65	3J3287	2.65	3J4351	2.35
670A	3J4384	2.65	3J3286	2.65	3J3305	2.20
580, 680, 880	3J4384	2.65	3J3286	2.65	3J3326	2.50
BLACKHAWK—6U, 64	3J3357	2.65	3J3273	2.65	3J3305	2.20
BOSCH—150 Series 1	3J3352	3.38	3J3261	3.38	3J3316	3.23
150 Series 2, 160, 45 Syn.	3J3340	3.23	3J3277	3.23	3J3314	2.94
140 Series 2 and 3	3J3340	3.23	3J3277	3.23	3J3314	2.94
524, 634, 634A	3J3357	2.65	3J3275	2.65	3J3305	2.20
45 Non Syn., 78, 79	3J3339	2.65	3J3287	2.65	3J3304	2.20
79, (2nd Series) 524-634-634A	3J4384	2.65				
B.O.P. (Buick, Olds., Pontiac)						
1 Unit & 2 Unit—Non Syn.	3J3347	2.79			3J3300	2.06
1 Unit & 2 Unit—Syn.	3J3349	3.09			3J3309	2.94
Plug-in Syn.	3J3363	3.08			3J3313	3.14
393884, 393885, 405045, 405046	3J3363	3.08	3J3280	3.23	3J3313	3.14
405057, 405062, 554245, 554246	3J3363	3.08	3J3280	3.23	3J3313	3.14
544267, 544268, 544289-90-91	3J3363	3.08	3J3280	3.23	3J3313	3.14
980383, 980393	3J3347	2.79	3J3263	2.79	3J3300	2.06
980441, 980455, 980459	3J3349	3.09	3J3264	3.09	3J3309	2.94
980507-508-509	3J4393	3.08	3J3390	3.23	3J3313	3.15
982006-007-008			3J3280	3.23	3J3313	3.15
983501-506-507-508	3J3363	3.08	3J3280	3.23	3J3313	3.15
CADILLAC—6U2 Standard	3J3357	2.65	3J3273	2.65	3J3305	2.20
O62W Standard	3J3352	3.38	3J3256	3.38	3J3316	3.23
O62W Master	3J3352	3.38	3J3271	3.38	3J3316	3.23
2721 (O72)	3J3359	2.94	3J3255	2.94	3J3308	2.20
2722 (O72A)	3J3352	3.38	3J3257	3.38	3J3316	3.23
56V1			3J3263	2.79		
CHEVROLET—Plug-in Syn.	3J3363	3.08			3J3313	3.14
1 Unit & 2 Unit Non Syn.	3J3347	2.79			3J3300	2.06
1 Unit & 2 Unit Syn.	3J3349	3.09			3J3309	2.94
364441	3J3347	2.79	3J3263	2.79	3J3300	2.06
600153, 600249, 600565, 600566	3J3349	3.09	3J3264	3.09	3J3309	2.94
601038, 601174-176-177-525	3J3363	3.08	3J3280	3.23	3J3313	3.14
601547-574-586-662-814	3J3363	3.08	3J3280	3.23	3J3313	3.14
985100, 985200	3J3337	2.65	3J3286	2.65		
985300	3J4393	3.08	3J3390	3.23		
CLARION—100	3J3335	2.65	3J3286	2.65	3J3305	2.20
TC 50 (4 Prong)	3J4384	2.65	3J3286	2.65	3J3305	2.20
TC 50 (6 Prong)	3J3339	2.65	3J3287	2.65	3J3304	2.20
COLONIAL—106"B" Pow. Supply	3J3347	2.79	3J3263	2.79	3J3300	2.06
150 Non Syn., 164	3J3339	2.65	3J3262	2.79	3J3304	2.20
150 Syn.	3J3340	3.23	3J3277	3.23	3J4352	2.94
164B	3J3339	2.65	3J3287	2.65	3J3304	2.20
CONSOLE (L'TATRO)—6A	3J3340	3.23	3J3281	3.23	3J3314	2.94
CONSOLIDATED—51			3J3265	3.38	3J3310	2.84
CROSLEY—98, 99, 102, 103, 119,						
5A1	3J3351	3.38	3J3265	3.38	3J3310	2.84
4A1, 5A3	3J3371	2.94			3J4353	2.94

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World Radio History

Pioneer Air-Flo Charger

Charges Batteries at No Cost

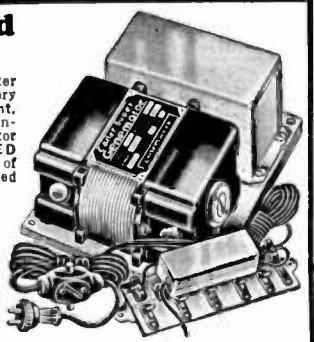
A complete wind driven generator.

Supplies 6 volts at 5 amperes direct current to charge and keep charged 6 volt storage batteries. An automatic cutout device on generator prevents overcharging and provides protection from excessive wind velocity. Scientifically curved propeller gives maximum r.p.m. at any wind velocity. Propeller is constructed of especially treated, oil impregnated, carefully selected wood. Entire assembly is completely weatherproofed. Operates at extremely low wind velocity. Can be mounted on barn or house roof and may be supported by the tower unit with which it is illustrated. Low initial cost and absolutely no expense to operate.

4F10143—Generator complete with ammeter, cutout relay, pipe fittings, clamps, battery clips and 50 ft. of No. 12 insulated copper wire. Complete instructions for operation and installation. Without steel mounting tower.
YOUR PRICE **$13.95**

4J10144—4½ ft. Steel Tower Only
YOUR PRICE **$3.75**

Carter Air Cooled Gen-E-Motors



A new line of high efficiency Carter Genemotors for all types of battery operated receivers. Delivers a constant, uniform "B" voltage. Eliminates unsatisfactory "B" batteries and vibrator type power supplies. New AIR COOLED Construction eliminates possibility of overheating. Output is adequately filtered insuring smooth, quiet operation. Can be installed in any position. Will last for years. No parts to replace or adjust. New noiseless ball bearings require no oiling. Motor is complete shielded against dust and dirt. Comes complete, ready to install, nothing to assemble. Gives the old set more pep. Will give years of satisfactory service. Very compact, only 5½"x 4½"x3". Shipping weight 8 lbs.

For 32 Volt and 6 Volt Input

Tapped at 22, 45, 67, 90, 135, 180 volts

Stock Number	Model Number	Input Volts	Output Volts	Output M. A.	Current Drain	List Price	Your Price
3F4469	3280F	32	180	30	.5	$22.50	$13.23
3F4470	3280G	32	180	40	.6	23.00	13.52
3F4471	3280H	32	180	50	.6	23.50	13.84
3F4472	3280J	32	200	40	.7	24.00	14.11
3F4473	6280F	6.3	180	30	2.2	22.50	13.23
3F4474	6280G	6.3	180	40	2.5	22.50	13.23
3F4475*	1780A	6.3	180	30	2.2	$18.50	$10.88
3F4476*	1720A	6.3	200	40	3.	18.50	
3F4477*	1750A	6.3	250	50	4.5	18.50	

*Tapped at 90 Volts Only.

For Two Volt Air Cell Receivers—Tapped at 67½ Volts

3F4478	2A	2.0	135	10	2.2	$22.50	$13.23

Carter Heavy Duty Gen-E-Motors

For Sound Trucks and Transmitters

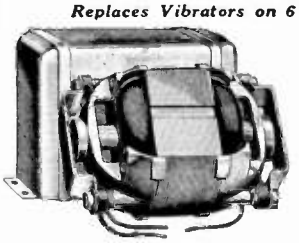
Motor is designed especially for high voltage output. Unusually large filter.

For 6 Volt Input

Motor Complete with Filter						Motor Only Mounted on Base	
Stock Number	Output Volts	Output M. A.	Current Drain	List Price	Your Price	Stock Number	Your Price
3F4479	180	115	7.3	$30.00	$17.64	3F4484	$13.23
3F4480	250	50	4.5	30.00	17.64	3F4442	13.23
3F4481	275	75	6.0	32.50	19.11	3F4443	14.70
3F4482	300	100	10.5	34.00	19.99	3F4444	16.17
3F4483	350	100	11.3	35.00	20.58	3F4445	16.17

Pioneer Gen-E-Motor Compact Units

Replaces Vibrators on 6 Volt and 32 Volt Radios



Extremely compact—only 4¼" high, 5½" wide, 2⅞" deep. Requires no adjustment, no attention, no oiling, and no servicing. Uses original filter system of vibrator. Complete instructions.

For 6 Volt Operation

4J4400—Delivers 225 volts at 50 M.A. Battery drain 3.8 Amps.

4J4401—Delivers 250 volts at 50 M.A. Battery drain 4.2 Amps.
List, $13.00.
YOUR PRICE **$7.64**

For 32 Volt Operation

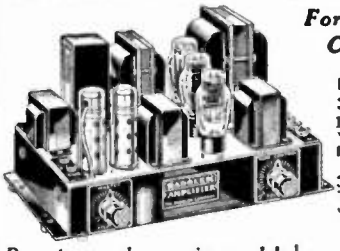
4J4402—Delivers 210 volts at 45 M.A. Battery drain 0.4 Amps.
List, $16.50.
YOUR PRICE **$9.70**

Replaces Vibrator in Ford Radios

3J4403—For Ford (Majestic) Auto Sets. Delivers 250 V. at 50 M.A. Tapped at 90 V.
Exactly fits place occupied by vibrator pack. Replaces entire vibrator unit and rectifier tube. No adjustments nor rewiring necessary.
List Price, $13.00.
YOUR PRICE **$7.64**

Special Value! 15 Watt Amplifier

For 105-120 Volts, 50-60 Cycle A. C. Operation



Formerly Priced at $24.50.

3J10670—Less Tubes.
List, $50.00.
YOUR PRICE **$17.50**

3J10671—With Sylvania Tubes. List, $55.00.
YOUR PRICE **$19.95**

Due to a change in models we are offering this Amplifier at a reduced price to close out our present stock.

For Every Type Installation

Ample volume for up to 5000 people. Will provide good sound coverage for conventions, school auditoriums, large refectories, county fairs, ball rooms, athletic fields, and other locations where plenty of volume with good clarity is required.

For Microphone and Phonograph

Can be used to amplify phonograph music or voice from Single or Double Button Carbon Microphone when used with matching transformer.

For Use with Low Gain Microphone

This amplifier when used with either of the Preamplifiers listed on page 126 makes a fine combination for use with Crystal or Velocity microphones when they are used at long distances from main amplifier. For such installations as huge stadiums, auditoriums, athletic fields, etc., this type of set-up will keep hum pickup down to a minimum.

Characteristics and Specifications

1. 30 Watts field supply for one, two or three speaker fields.
2. Three Stages with five tubes. 1-57, 1-56, 2-2A3's, 1-5Z3.
3. 88 D.B. Gain at 1000 cycles.
4. Flat Frequency Curve—Within 1 D.B. from 40 to 9,000 cycles.
5. Input impedance 200,000 ohms.
6. Master Volume Control.
7. Tone Control and On-Off Switch Combined.
8. Output Impedance Tapped at 3, 6, 9, 15, and 500 ohms. Connections at bakelite strip with values engraved at each binding post.
9. Only .09 volts input signal required to obtain maximum output.
10. Hum level lower than .1 of 1%.
11. Power consumption 150 watts.
12. Six foot super service power connection cord with rubber plug.
13. Renewable Glass Fuse.
14. Baked-on Black Enamel finish.
15. Overall height 8"; Base, 9" x 16" x 2¾".
16. Wt., 25 lbs. Ship. Wt., 35 lbs.

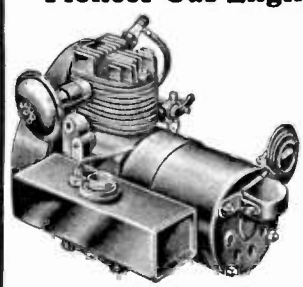
Pioneer Gas Engine Driven Generator

Delivers 110 Volts A.C. at 300 Watts

4F10142—
List Price, $135.50.
YOUR PRICE
$79.95

Provides a desirable, economical and dependable source of electric current. Especially recommended for use with Public Address systems where commercial power lines are not available or inconvenient to use. A very economical power source for Sound trucks. Runs 4 hours on 1 quart of gasoline and does not need an external exciting current. Single cylinder 4 cycle air-cooled gasoline engine develops ⅝ H.P. Governor assures constant frequency. Foot pedal starter. Generator develops 110-120 volts 60 cycle A.C. at 300 watts and 7½ volts D.C. at 5 amperes for charging storage battery. Mounted on 12 in. x 26 in. Steel base. Net Wt., 79 lbs. Shpg. Wt., 94 lbs.

Pioneer Gas Engine Power Systems



For Battery Charging and As D.C. Power Systems

For charging Radio, Public Address, Automobile, and Tractor Storage Batteries. Provides power for lights on farms, camps, construction work, boats, and to operate electric tools. Can also be used to operate 6 Volt D.C. Public Address Systems. An auxiliary pulley on the gas engine may be used to drive small machinery such as pumps, washing machines, cream separators, etc. by means of a "V" belt. The 4J10140 and 4J10141 can be used to operate D.C. appliances or lights direct from the generator. On all others storage batteries must be used across the line.

Engine Specifications

Four cycle, single cylinder, ¾ H.P. at 3600 R.P.M. Fuel tank capacity one quart. Fuel Consumption—at 150 Watts operates on one gallon of gasoline for fifteen hours. Oil Consumption—two ounces in ten hours. Fly ball type governor. High tension flywheel type magneto. Suction feed carburetor. Splash lubrication.

Reliable and Economical

The Generator—self-excited, two pole. Armature mounted on crankshaft. Push Button Starting to start the engine from the storage battery. A rope-pull starter is provided for use when battery is dead. All plants are furnished complete with ammeter, cutout relay, leads, and battery clips. Size 11" x 10" x 17" long. Weighs only 50 lbs.

Stock Number	Type Number	Application	Power Output	Your Price
4J10135	F6	For use with 6-volt batteries	150 Watts	$37.50
4J10136	F6X	For use with 6-volt batteries	200 Watts	41.25
4J10137	F12	For use with 12-volt batteries	150 Watts	40.85
4J10138	F12X	For use with 12-volt batteries	250 Watts	45.00
4J10139	F32	For use with 32-volt batteries	250 Watts	45.00
4J10140	F32R	For operation of 32-volt lights or DC appliances.	250 Watts	45.00
4J10141	F11D	For operation of 110-volt DC appliances or lights.	250 Watts	45.00

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World Radio History

EVEREADY Radio Batteries

All Eveready "B" and "C" Batteries illustrated with new plug-in type connections are also equipped with regular clip type connectors.

Medium Size "B"
No. 572—45 Volts

3J41—List, $1.29.
Your Price, Each 99c. Less 2% Net **97¢**
In Six Lots, Each 90c. Less 2% Net **88c**

Height 8", Length 8", Width 3⅛". Weight 9 pounds. Terminals to give +22½ and +45 volts. An almost unbelievable price for a genuine medium size Eveready battery. Round cell construction. Both clip and plug-in connections. Plug supplied.

Large Size "B"
No. 570—45 Volts

Height 8", Length 8", Width 4⅛". Weight 14 pounds. Terminals at +22½ and +45 volts. Round cell construction.

3J42—List, $1.79.
YOUR PRICE, Each $1.38.
Less 2% Net **$1.35**
Six Lots, Each $1.25. Less 2% Net **$1.22**

Layerbilt "B" Batteries

Exclusive flat-cell construction eliminates waste space . . . . Concentrates the power making materials. Layerbilt batteries cost more initially than round cell batteries but last from 50% to 100% longer. Will give good service all the way down to 24 volts. Sell your customers "Layerbilt" batteries—the millions of advertising dollars that have, and are, being spent to inform the receiver owners about the superiority of the "Layerbilt" makes it easy. Particularly recommended for "Air Cell" Receivers.

Medium Size
No. 485—45 Volts

3J64—List, $1.89.
Your Price, Each $1.45
Less 2% **$1.42**
In Six Lots, $1.32. Less 2% **$1.29**

Height 8", Length 8⅛", Width 3⅛". Weight 11 pounds. Terminals to give +22½ and +45 volts. Equipped with both clip type and plug-in connections. Plug included.

Large Size
No. 486—45 Volts

3J68—List, $2.39.
Your Price, Each $1.84.
Less 2% **$1.80**
In Six Lots, $1.67. Less 2% **$1.64**

Height 8", Length 8", Width 4⅛". Weight 16 pounds. Terminals to give +22½ and +45 volts. Equipped with both clip type and plug-in connections. Plug included.

Eveready Air Cell "A" Battery

3F49—Code A600.
List Price, $5.95.
Your Price, Ea., $4.17.
Less 2%, Net **$4.09**

An air depolarized, constant voltage, non-rechargeable primary battery, especially designed and guaranteed ONLY for use as the "A" Battery for Air Cell Receivers. High capacity of 600 ampere-hours is sufficient for at least 1,000 hours operation. Activated for service by filling with water. Length, 9⅝"; width, 6⅛"; height overall, 10⅛"; weight, dry, 23 pounds.

3J66—SA-850. Heavy Duty (750-MA.) Air Cell Battery for Multi-tube receivers.
Retail Price, $7.50.
YOUR PRICE, $5.25.
Less 2% Net **$5.14**

3 Volt "A" Dry Battery Pack

For use with 2 volt radio receivers. Will give 400 hours of service at 3 hours per day on ½ ampere load. Weight 18 pounds. Size: Length 11⅛", Width 4½", Height 6½".

3J69—Retail, $4.00.
Your Price, Each $2.68.
Less 2% Net **$2.63**

A Batteries
Dry Cell
Standard 1½ Volt
No. 7111

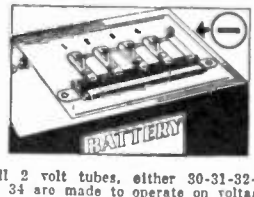
3F80—
Retail Price, 40c.
Your Price, 31c Each.
Less 2% ... **30¢**
In Lots of 25, Each 28c. Less 2% **27c**

Recovers rapidly during a short period of rest. Size 2⅝x6 in. Weight, 2 lbs. 2 oz.

No. 6 Igniter
Eveready—Columbia

3F81—Retail Price, 30c.
Your Price, Single Lots..... **22¢**
In Lots of 25, Each.... **20c**

Voltage Regulator
For 2 Volt Tubes



All 2 volt tubes, either 30-31-32-33 or 34 are made to operate on voltages from 1½ to 2 volts only. Any fraction above two volts will greatly reduce the life of the tubes and battery. A new battery actually has 3 volts therefore the Voltage Regulator must be used to reduce this to 2 volts. 4 taps are provided on the regulator. The proper connections can be made from time to time so as to compensate for the gradual reduction of the battery voltage. Insures uniform reception and long life for the tubes and battery.

3F2495—
YOUR PRICE ..... **49¢**

Large sales of Eveready Batteries means fast turnover. To you this means fresh new batteries at all times.

"B" for Oscillators, Ohmmeter, Voltmeters, Portable Radios

No. 762
45 Volts

3F54—
Retail Price, $1.35
Your Price, Each $1.05
Less 2% **$1.03**
IN LOTS OF FIVE, Each 95c Less 2% **93c**

762 is standard equipment in hundreds of test instruments. Tapped at 22½ and 45. Weight 3¼ lbs. Shelf-life, over 8 months. Size: Height 6⅜", Length 4⅞", Width 2½".

"C" for Test Equipment "B" for Radio Receivers
No. 768—22½ Volts

3J55—Retail Price, 85c.
YOUR PRICE, Each 66c.
Less 2% ..... **65¢**
Lots of Ten, Each 60c. Less 2% **59c**

Tapped at —3, —4½, —16½, —22½. Excellent for Ohmmeters, small service oscillators, as well as for "B" replacement in portable receivers, noise locators, etc. Used extensively as "C" battery for 120, 31, 71A tubes on 135 volts. Shelf life over 8 months. Size: Height 2¾", Length 4⅛", Width 2½".

Midget "C" for Oscillators
No. 763—22½ Volts

3J56—Retail Price, 75c.
YOUR PRICE, Each 58c.
Less 2% ..... **57¢**
Lots of Ten, Each 53c. Less 2% **52c**

The smallest of the 22½ Volt "C" batteries for use with one or two tube test oscillators or in portable short-wave receivers. Length 3⅜", width 2", 2⅛" high. Six month shelf life.

Standard "C" With 3 Clip Terminals

No. 771
4½ Volts

3F57—
Retail Price, 35c
YOUR PRICE Each 28c Less 2% **27¢**
In Lots of Ten, Each 25c Less 2% **24c**

No. 761-T—4½ Volts
With 4 Screw Terminals

3J89—List Price, 35c.
YOUR PRICE, Each 28c. .
Less 2% ..... **27¢**
In Ten lots, 25c. Less 2%, Each **24c**

The longest life "C" bias battery made—service of two years not unusual with this sturdy little power unit. Used in many test oscillators as the source of filament current, but should not be expected to supply more than one 60 M.A. Tube on intermittant service. Four terminals, for Pos., Neg. 1½, 3, 4½ volts. Size: Height 8", Length 4", Width 1⅜".

Ohmmeter "C"

No. 781
4½ Volts

3F58—
Retail Price, 40c.
Your Price, Each 31c.
Less 2% ... **30¢**
IN LOTS OF FIVE, Each 28c. Less 2% **27c**

Used in Analyzers, and in majority of ohmmeters requiring 4½ volts. Extremely long life on intermittant 1 milliampere drain. Used in Zenith, Operadio, and RCA battery radio sets as "C" bias. Size: Height 2⅝", Length 2⅛", Width ⅝".

"C" Bias
No. 773—7½ Volts

3J59—Retail Price, 65c.
YOUR PRICE, Each 49c.
Less 2% ..... **48¢**
Lots of Five, Each 44c. Less 2% **43c**

For 7½ volt ohmmeters and as a selective source of "C" Bias. Choice of 1½, 3, 4½, 6, and 7½ volts. Brass posts and one flexible terminal. Height 2⅝", Length 4", Width ⅞".

Test Set and Flashlight Batteries

Large 703
4½ Volts

Same size as Burgess Number 532.

3F82—3 cell. Size: 2⅝x2⅛x⅞".
Retail Price, 30c.
Your Price, Each ..... **20¢**

Medium 751

Same size as Burgess Number 432.

3F83—3 cell. Size: 2⅜x2x1⅛ in.
Retail Price, 30c.
YOUR PRICE, Each ..... **20¢**

Medium 750

3F84—2 cell. Size: 2⅛x1⅛x⅝".
Retail Price, 15c.
YOUR PRICE, EACH..... **10¢**

Unit-Cells

3F86 — Standard 950. Tub. Size: 1⅛x2⅜". Retail Price, 10c.
Your Price
12 Cells for **78c**
48 for $3.12. Less 2% **$3.06**

3F87—Baby 935. Tub. Size 1x1⅞". Retail Price, 10c.
Your Price
12 Cells for **78c**

3F88 — Penlight Type No. 915. Size ⅜x1⅛". Tubular Single Cell. Retail Price, 5c.
YOUR PRICE, 12 Cells for..... **39c**

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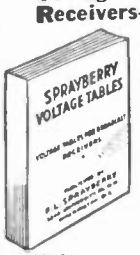
World Radio History

NEWEST Radio Data Books

Voltage Tables for Broadcast Receivers—*By F. L. Sprayberry*



3J5978—
PRICE ..... **98¢**

This New Manual has over 300 pages containing more than 1500 Complete Voltage Tables on radio broadcast receivers made in the United States and Canada from 1927 up to and including Feb. 1935. All tables have been carefully checked for accuracy. Six large, easy-to-read voltage tables to a page. Completely cross-indexed. With this book you know exactly what voltage should be measured at each socket. Tells you how to test receivers by the voltage method. New voltage tables will be issued from time to time so that your book may always be up-to-date. Book is 8½x11x1½ inches. Durable fabric cover.

Radio Operating Questions and Answers

New Fifth Edition

Qualify as a Police Radio Station Operator! Here is a field for servicemen in cities with police radio stations. All you need to know for your Commercial License application is presented in easy to understand form, in 600 questions and answers including new regulations pertaining to police, aeronautical, marine and amateur station operating. 388 pages, 96 illustrations, 5⅛"x8" cloth binding.

3E5977—
YOUR PRICE **$2.50**

Experimental Radio Engineering

3F5931—
YOUR PRICE **$3.50**

In this book, Professor Morecroft supplies 51 experiments covering the entire range of radio. It is the only experimental volume we know of that has as its primary purpose the definite object of hammering home the facts, theories and principles which go to make up the vast body of radio knowledge. 345 pages of knowledge which will prove to be of immense value to you. 6x9 inches.

Radio Amateur's Handbook

13th Edition—1936

3F5976—
YOUR PRICE **$1.00**

All the accumulated knowledge and fundamentals of Amateur Radio has been condensed into the 480 pages of this book. Contains every detail necessary for a thorough understanding of Amateur Radio. Tells how to get started in this fascinating work of communication with other fellows throughout the whole world. Profusely illustrated. Size 6⅛x9¼ inches.

R.C.A. Service Manuals

5 Volumes

1. 1923-1928
2. 1929-1930
3. 1931-1932
4. 1933
5. 1934

Complete Service Information, Drawings and Price Lists

The five volumes cover all RCA or Victor models produced from 1923 to 1935 except old Victrola Instruments that did not contain a radio receiver. Over 300 pages in each volume. Complete replacement parts lists are provided for all models issued since 1929. Technical information on all RCA Victor models. Time saving service information is also included and conveniently arranged for every RCA Victor receiver. In addition, each volume contains other valuable information such as Impedance, Inductance and capacity charts, and other data peculiar to the receivers described therein. Handsomely bound between stiff fabric covers. Size 10⅜x9 inches.

3F5945—1923-1928
3F5946—1929-1930
3F5947—1931-1932
3F5948—1933
3F5949—1934

YOUR PRICE EACH VOLUME **$1.00**

Alfred M. Ghirardi

The author of two best selling books on radio writes as follows to the Radolek Company:—

"Thank you Mr. Braun:

For your presentation of my "Radio Physics Course" in your catalog of radio parts and accessories for servicemen.

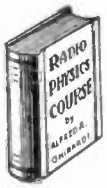
It is one of the most complete listings of radio merchandise I have had the pleasure of examining. Your clients who purchase my book may have the author's assurance that your catalog lists an ample assortment of merchandise for their needs.

Wishing you every success, I am,

(Signed) Alfred A. Ghirardi

Radio Physics Course

By A. A. Ghirardi



3J5996—
YOUR PRICE **$4.00**

992 PAGES—508 ILLUSTRATIONS. Latest edition, enlarged and revised. The most interesting, clearest and concise book on radio we have ever read. A complete, up-to-date, authoritative Electrical and Radio Course which answers every question on Radio, Electricity, Photo-electric Cells, Television, Talkies, etc. A Book no Technical Student, experimenter or Service Man can afford to be without. Has new chapters on sound, superheterodynes, television, latest test equipment, short-waves, "talkies," auto radio and aircraft receivers. Also includes the latest material in the previous volumes. Why pay a large fee for a course in radio when this splendid book gives you all the theory you need for a complete understanding of radio service. Hard covers, bound in durable cloth. Size: 9⅛x7 inches.

Modern Radio Servicing

By A. A. Ghirardi

3F5990—
YOUR PRICE.. **$4.00**

The new revised edition of the outstandingly complete famous "Radio Servicing Course." A book you should have because it shows you how to master the art of radio servicing. Packed full of new ideas, the latest tips and angles, the most up-to-date methods used by successful technicians. The most complete book of its kind ever put out—written in easy-to-understand language—profusely illustrated with hundreds of diagrams and charts. This is one of the first radio textbooks to contain a complete explanation of the construction and use of the new Cathode Ray Oscillographs in radio service work. Contains complete descriptions and illustrations of latest 1935 testing instruments and servicing methods. Table of intermediate frequencies for all superhets. Trouble-shooting table of Symptoms and Remedies for over 500 different receivers, listed by manufacturer and model number. 1935 auto radio installation and servicing. Complete data on noise and interference elimination. 1300 pages. 706 illustrations. Size 5½x8 inches. Hard covers.

Radio Field Service Data Book

3J5991—
YOUR PRICE **$1.50**

240 Page supplement to above. Handy and invaluable for reference needed "On-the-Job." Contains case histories for 550 different receivers, I.F. tabulation for 2,750 sets, auto-radio and much other data.

SPECIAL COMBINATION OFFER. Save money by buying Modern Radio Servicing and Field Service Book together at only
3F5992 ..... **$5.00**

New Radio Engineering Handbook—*By Keith Henney*

Second Edition

3F5994—Postage Prepaid.
YOUR PRICE **$4.00**

A comprehensive, up to the minute, handbook for engineers covering all fields of radio engineering design. Contains 850 pages of constantly needed data presented in tables, charts, equations, formulas and diagrams. 667 illustrations. Flexible Keratol cover, 4½"x7".

Actual Troubles In Commercial Radio Receivers

By Bertram M. Freed

3J5997—
NET PRICE **$1.00**

This new book lists all standard Receivers alphabetically and discusses clearly the common and unusual failures each has most frequently developed over a period of several years; then it tells you how to repair them. The most practical book of its kind yet published for the Radio Serviceman because it explains those troubles actually encountered. Only those troubles difficult or impossible to disclose with a Set Analyzer are discussed. Supplements furnished Free to registered owners. 200 pages, 46 diagrams. Profusely illustrated. 500 models listed. Stiff board covers. Size 7x4".

Radio Construction and Repairing

By Moyer and Wostrel

The fourth and revised edition of this popular book. 444 pages of up-to-date Radio Repairing information. 179 illustrations. New sections treat of radio noise meters, auto-sets, interference suppressors, velocity microphones, special testing equipment for modern types of tubes and receivers. You can tackle the hardest kind of radio repair work with the aid of this book and solve any form of radio trouble by following the system explained.

3E5988—
YOUR PRICE **$2.50**

Radio Design Practice

By James Millen

More than 200 pages of ideas for experimenters, engineers, and designers of radio and associated equipment. Radio companies of the highest rank have co-operated to supply the data. Among the co-operators are A. T. & T. Company, Western Electric Company, General Electric Company, General Radio Company, Westinghouse Electric & Mfg. Company, Hygrade Sylvania Company, the Raytheon Company and National Company.

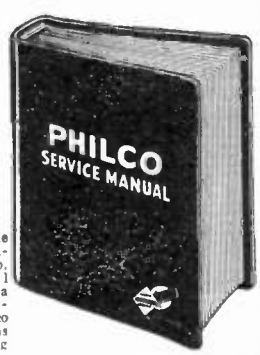
Six sections of profusely illustrated text on (1) Assembly Practice, including relay racks and depressed panel racks; (2) Receiver Tuning Condensers, Padding Condensers, Frequency Meter Condensers and Transmitter Tuning and Neutralizing Condensers; Fixed Condensers, Mica, Paper and Electrolytic; Vernier Dials. Inductances, Coil Forms; R.F. Chokes, Shields, Sockets, Crystal Holders, Insulators, Fixed and Adjustable Resistors; Switches; Small Parts and Fittings; Plugs and Jacks; Meters; Transformers, Chokes; (3), Radio Receivers, including communication receiver, police radio receiver; broadcast receiver; short wave receiver; aircraft receiver; (4) Transmitters; (5) Speech Input Equipment; (6) Technical Manual on Radio Tubes.

Stiff paper cover. Page size, 6¼x9¼.

3F5922—Postage Prepaid.
YOUR PRICE **$1.00**

Philco Service Manual

Published by Philco



3F5935—
Your Price
$1.00

Every Radio Man Needs This Manual!

This valuable Manual published by Philco, gives you all necessary data to correctly service all Philco Sets. Contains complete wiring diagrams, pictorial diagrams, parts lists, and essential service data on every Philco home receiver and Philco auto set ever manufactured from 1928 to 1935, including the 1935 models of Philco Sets. All resistance values, capacities, etc., are given along with the exact Philco part number. Service information on new models of Philco receivers not yet announced will be forwarded by Philco from time to time to all registered purchasers of this manual. High quality handsome black leatherette looseleaf binder. Size: 10x11⅛ inches.

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World Radio History

RIDER'S *Trouble-Shooters Manuals*

VOLUME V

Covers 1934 and 1935 Models, Announced up to Nov., 1934

3J5907—
YOUR PRICE
POSTPAID
$7.35

Contains 1200 pages of data on 946 models, representing over 100 manufactures. Has all necessary information for quick and easier radio service work including mechanical intricacies of sets. Separate 64 page index includes all previous volumes. Loose-leaf binding. Stiff fabrikoid covers. Size: 9x11½".

VOLUME IV

Covers Standard Receivers from June, 1933 up to and including February, 1934

3F5906—
YOUR PRICE
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$7.35

1060 pages—loose-leaf binding—with stiff Fabrikoid covers. Size: 9x11½ inches. Includes complete cumulative index for all previous Rider's Manuals. Over 100 manufacturers and trade names represented. Discusses and clarifies the complex new tubes, reflexed circuits, AVC systems, S.W. and All-Wave sets, etc.

VOLUME III

Covers Sets between June 1932 and June 1933

3F5902—
YOUR PRICE POSTPAID
$7.35

Contains 1070 pages of fresh material and circuit diagrams which is not duplicated in previous issues. Point-to-Point resistance data. Has a cumulative index covering Volumes I and II.

Contains service data covering the Universal A.C.-D.C. Sets, Auto Sets, Short-wave Sets and Public Address systems. Stiff Fabrikoid covers, size 9x11½ inches.

VOLUME II

Covers Sets from March 1931 to June 1932

3F5901—
YOUR PRICE
POSTPAID..... **$6.37**

Contains Circuit Diagrams, complete circuit and servicing data on all Receivers manufactured after the issue of Volume I and prior to the publishing of Volume III. Includes a complete treatise on all values for point-to-point resistance measurement tests. 800 pages. Profusely illustrated. No duplication of material in Volume I. Size: 9x11½ inches. In stiff Fabrikoid covers.

VOLUME I

Covers Early Receivers between 1919 and April 1931.

3F5900—
YOUR PRICE
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This manual is complete in its treatment of older Receivers and should not be confused with the new Volumes II, III and IV which do not contain any of the material covered in Volume I. Contains circuit diagrams for practically all early models of factory-built Sets. 1000 pages of technical data, servicing hints and short cuts.

Mr. Rider's Salutation to

The Radolek Company
Chicago, Ill. Att'n: Mr. W. C. Braun.

Gentlemen:

I am particularly pleased to have your firm distribute publications bearing my name due to the splendid type of Servicemen your catalog reaches.

Photo by Blackstone Studios, N. Y.

It is my earnest hope that your customers will be thoroughly satisfied with my publications and with the delivery you are in a position to give their orders.

Assuring you of every effort to further this market, I am

Sincerely yours,
(Signed) *J. F. Rider*

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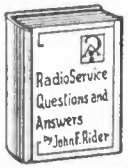
Radio Service Questions and Answers

By J. F. Rider

3J5913—
YOUR PRICE ..... **95¢**



A compilation of selected radio service questions most frequently asked and their answers. The questions answered have been submitted over a period of years to Rider by thousands of servicemen. You will find that this book contains solutions to most of your problems. 168 pages. Size: 5¼x7¾ inches.

Servicing Receivers by Means of Resistance Measurement

By J. F. Rider

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YOUR PRICE ..... **95¢**

This book explains the usual resistance network which reduces all types of Sets and Amplifiers to a common level. Take the guesswork out of servicing by using an ohmmeter in your diagnosis. This book tells you how. You can test all types of Sets without wiring diagrams. Tells how to get the resistance between points in any circuit by working thru the socket contacts. Clothbound, 203 pages. Size: 5¼x7¾ inches.

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By John F. Rider

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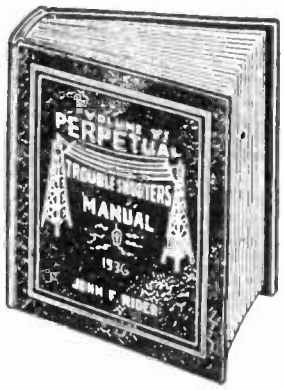
YOUR PRICE ..... **95¢**

Latest revised and enlarged edition—up-to-the-minute. Covering Broadcast—Short-Wave—All-Wave Superheterodyne and Automobile Servicing. Important information on electron coupled superhets. AVC systems, Dual I.F. bands. A comprehensive and easily understood explanation of the superheterodyne, which every serviceman should own. This book will help you master the most complex circuits, quickly and profitably. 288 pages, profusely illustrated. Cloth-bound. Hard covers. Size: 5¾x7¾ inches.

VOLUME VI

Covers 1935 and 1936 Models Announced Up to November, 1935



3J5908—
YOUR PRICE
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Up To The Minute!

More complete, bigger and better. 1250 pages. A separate 90-page complete index, covering Volumes I, II, III, IV, V, and VI. Contains all the Radio Servicing Data you need to check a radio repair job intelligently and quickly.

You Need This Manual

Volume VI completes the compilation of all Radio Servicing data on every type model Radio receiver announced since Volume V (late 1934—all 1935—early 1936 models). Also includes changes in older models. There is no duplication of contents between Vol. VI and any preceding volumes. Contains schematics, I.F. peaks, alignment data, circuit descriptions, socket layouts and parts lists. Accurate condenser, resistor, etc. specifications. Complete coverage. Includes Metal Tube Receivers.

Specialized Auto Radio Manual

By J. F. Rider

3J5916—Volume I
3J5917—Volume II
YOUR PRICE, EACH, POSTPAID **$3.43**

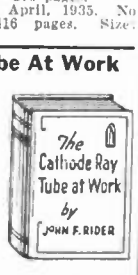
Volume I—Most complete auto-radio service manual available. Covers all models up to Oct., '33. Complete data, diagrams, layouts, and specifications. Including installation, aerials, and noise suppression. 376 pages.

Volume II—Covers auto sets to April, 1935. No duplication of volume One. 416 pages. Size: 9x11½".

The Cathode Ray Tube At Work

By J. F. Rider

3F5925—
Your Price Postpaid **$2.45**

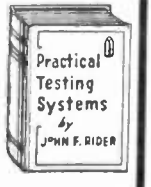


Gives you complete theory underlying the operation of the cathode-ray tube and its associated circuits. Everything to which the cathode-ray tube can be applied to check electrical phenomena. Half of the volume is devoted to specific practical applications of commercial oscilloscopes to servicing and adjustment problems. Each and every instance of practical application is accompanied by specific information concerning the mode of utilization of the Cathode-Ray tube with graphic representation of results obtained.

Practical Testing Systems

By J. F. Rider

3F5912—
YOUR PRICE ..... **95¢**



An old "stand-by", rewritten and modernized. 160 pages, giving you all the "ins and outs" of how to test component radio parts within a radio receiver. Such as coils, condensers, resistors, etc. Gives you complete, up-to-the-minute data and methods used for making these tests. This valuable book will enable you to test parts quicker and with greater accuracy—which means increased profits for you.

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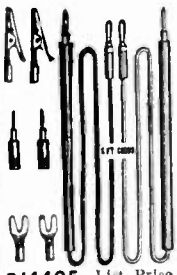
Pencil Type Test Prods

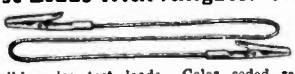
With Interchangeable Tip Ends



New 6 inch test prods only ¾" diameter. Extra strong, high insulation fibre handles. Spring prong ends provide a quick positive means of changing from one type of tip to another. Included are one pair each; alligator spring clips; tapered spade lugs and the new needle point phone tip for piercing insulation. Prods also fit all standard phone tip jacks. Complete with one black and one red 5 foot flexible wire.

3J4405—List Price, $1.50.
YOUR PRICE. Per Set..... **75¢**

Test Leads With Alligator Clips



Flexible wire test leads. Color coded red and black for positive and negative identification. Alligator Test Clips at each end provide quick positive method of making connections.

3D4410—12 inch, Pair ..... **32¢**
3D4411—24 inch, Pair **38c**
3D4412—36 inch, Pair **44c**

Alligator Test Clips

New type. Long thin jaws. Strong spring will grasp the smallest terminal lug or lead with a tight, sure, positive contact. Barrel end will fit Banana Type Spring Contact Plug-in prongs or can be securely soldered to test cable.

3F4407—Small size. 2" long, ¼" wide.
YOUR PRICE, EACH..... **4¢**
Ten for.....32c

3J4406—Large size. 2¾" long, ⅜" wide.
YOUR PRICE, EACH..... **5¢**
Ten for 45c

Insulated Alligator Clips

High di-electric insulated 1¾" handle is forced over barrel end of clip. 3½" long overall. ⅝" wide.

3F4421—Red	**3F4424**—Green	EACH
3F4422—Black	**3F4425**—Yellow	**8¢**
3F4423—Blue	**3F4426**—Purple	

Ten for 70c

Long Test-Prod Handle

With Sharp Point Phone Tip End

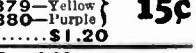
Hollow high di-electric insulated handle. 5⅛" long overall. ⅜" diameter. Sharp point phone tip terminal. Will pierce insulation, rust, pitch and paint. Fits standard phone tip jack. Completely solderless, merely unscrew phone tip and insert wire. Brilliant lusterous color coded handles.

3E8875—Red	**3E8878**—Green	EACH
3E8876—Black	**3E8879**—Yellow	**15¢**
3E8877—Blue	**3E8880**—Purple	

Ten for.....$1.20

Short Test-Prod Handle

With Phone Tip End



Hollow high di-electric insulated handle. 1⅞" long overall, ⅜" diameter. Phone tip end, fits any standard phone tip jack. Completely solderless. Merely unscrew phone tip and insert wire.

3E8881—Red	**3E8884**—Green	EACH
3E8882—Black	**3E8885**—Yellow	**5¢**
3E8883—Blue	**3E8886**—Purple	

Ten for 45c

Insulated Top Jacks

For Standard Phone Tips

Insulated top ⅜" diameter. Brilliant lusterous code colors. Hold phone tips straight and tight. Fits panels up to ½" wide. Fiber shoulder washer and metal lock nut included.

Ten for.....48c

3E8887—Red	**3E8890**—Green	EACH
3E8888—Black	**3E8891**—Yellow	**6¢**
3E8889—Blue	**3E8892**—Purple	

Solderless Tip Plug

3E6368—
Your Price, Each... **4¢**

Ten for **35c**. Per hundred, **$3.25**

Attached to cord or wire without soldering or use of tools. Positive connection. Fit above jack or any standard tip jack or jack assembly. Made of brass nickel finish.

Test Prod Kit

With Interchangable Plug-in Tips

3E4415—List Price, $2.00.
YOUR PRICE..... **$1.03**

A complete set of 14 pieces insulated test prods of long, short and medium lengths with interchangeable plug-in type tips.

Provides the serviceman with the most efficient tools available for making quick positive connections from his test equipment to the "job" under inspection. These handy prods will reach into the most confined, tight spots to save you time. The "missing link" between the set and your test instruments.

Furnished with interchangeable tips consisting of a pair of insulated alligator clips with narrow tight gripping jaws; a pair of insulated needle-point tips for piercing insulation, checking continuity and making positive contact on corroded terminals; a pair of insulated plugs with universal tapered lugs which fit sizes 4, 6, 8 and 10 screws. A pair of insulated jacks are supplied.

Handles of prods are made of high insulation material. Solderless screw connections safely insulated by sleeve caps which fit securely over set screws. Three pair of prod handles with prong ends which may be instantly plugged into any of the interchangeable tips. Handle lengths are 4 inch, 2⅝ inches and 1⅝ inches overall. All pairs color coded red and black for polarity identification. Colors will not fade. Use flexible cable 3E2080, etc., listed below, for connections.

Insulated Binding Posts

With Jack for Banana Type Plug-in Prongs Built-in Head

New style for Analyzers, Ohmmeters, etc. Moulded, high di-electric, knurled grip, non-removable top. Standard receptacle for Banana type plug-in prongs built into stem. A transverse hole is provided under the screw top for wire and phone tip connections. Length 1¾" overall with top is up. Extends ⅝" above panel when top is screwed down. Fitted with 8/32 screw ⅜" long and two nuts.

3E8857—Red	**3E8860**—Yellow	EACH
3E8858—Black	**3E8861**—Green	**7¢**
3E8859—Blue	**3E8862**—Purple	

Ten for 65c

Standard Insulated Binding Posts

With Color Coded Tops

Attractive colored, high di-electric, insulated top-diameter ½". Mounted on 10/32 screw ⅝" long. Metal washer ½" diam., ⅛" thick.

3E8863—Red	**3E8866**—Green	TEN FOR
3E8864—Black	**3E8867**—Yellow	**48¢**
3E8865—Blue	**3E8868**—Purple	

Small Insulated Binding Posts

With Color Coded Tops

Same as above but smaller. Top ⅜" diam., 6/32 screw ⅝" long. Metal washer ⅜" diam.

3E8869—Red	**3E8872**—Green	TEN FOR
3E8870—Black	**3E8873**—Yellow	**42¢**
3E8871—Blue	**3E8874**—Purple	

Flexible Cable For Test Leads

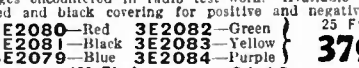
Flexible rubber covered stranded copper wire, equivalent to size 16. Conductor is covered with cotton serving over which is a live rubber covering 3/32" thick. Over this is a lacquer saturated tight cotton braid. Will withstand highest voltages encountered in radio test work. Available in red and black covering for positive and negative.

3E2080—Red	**3E2082**—Green	25 Ft.
3E2081—Black	**3E2083**—Yellow	**37¢**
3E2079—Blue	**3E2084**—Purple	

100 Ft. for.....$1.10

Insulated Connectors

For Banana Type Plug-in Tips and Prods



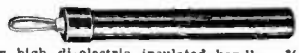
Securely and speedily connect any Tips or Prods having Banana Type Plug-in Prongs. Lusterous colored high di-electric insulated body, 1½" long, ⅜" diameter.

3E8851—Red	**3E8854**—Green	EACH
3E8852—Black	**3E8855**—Yellow	**10¢**
3E8853—Blue	**3E8856**—Purple	

Ten for 78c

Long Test-Prod Handle

With Banana Type Spring Contact Fits Plug-in Jacks



Hollow high di-electric insulated handle. ⅜ inch diameter, 4 inches long overall. Solderless screw terminal for wire lead completely insulated by cap. Prong end provides quick positive means for plugging in any of the interchangeable terminals listed or into panel jacks. Brilliant lusterous color coded handles.

3E4417—Red	**3E4435**—Green	EACH
3E4418—Black	**3E4436**—Yellow	**15¢**
3E4434—Blue	**3E4437**—Purple	

Ten for.....$1.35

Medium Test-Prod Handle

With Banana Type Spring Contact Fits Plug-in Jack

Same construction as long test-prod described above. Length overall 2⅜ inches.

3E4419—Red	**3E4439**—Green	EACH
3E4420—Black	**3E4440**—Yellow	**12¢**
3E4438—Blue	**3E4441**—Purple	

Ten for $1.08

Prong End Adapters

For Test Prods with Banana Style Prongs

Adapters with high di-electric insulated handles. Connect securely. They give your test apparatus that extra degree of adaptability that enables many additional tests to be speedily made with minimum amount of connection changes. Every shop and laboratory needs several sets. One each—Sharp Point, Test Lug, Phone Tip and Alligator Clip included in set.

3E8845—Red	**3E8848**—Green	Net Per
3E8846—Black	**3E8849**—Yellow	Set of 4
3E8847—Blue	**3E8850**—Purple	**20¢**

Ten Sets for.....$1.75

Insulated Plug-in Tips

With Banana Type Spring Contact Prongs

High di-electric insulated hollow handle ⅝" long. Solderless screw connection. Provides for connecting test wires into plug-in tip jacks.

3E4427—Red	**3E8826**—Green	EACH
3E4428—Black	**3E8827**—Yellow	**6¢**
3E8825—Blue	**3E8828**—Purple	

Ten for 48c

Standard Plug-in Insulated Jacks

For Banana Type Spring Contact Prods and Tips

Takes above three types, prods and tips. Provides a secure low resistance connection, quick make and break. Fits panels up to ⅜" thick. Shoulder washer included for metal panels.

3E4429—Red	**3E8830**—Green	EACH
3E4430—Black	**3E8831**—Yellow	**6¢**
3E8829—Blue	**3E8832**—Purple	

Ten for 48c

Special Quality Plug-in Insulated Jacks

Take Banana Style Spring Contact Prods and Tips

Better design and construction than above Standard Plug-in Jacks. Brilliant lusterous moulded hi-di-electric insulated tops. Intended for better grade of laboratory apparatus. Fit panels up to ⅜" thick.

For Bakelite or Wood Panels

3E8833—Red	**3E8836**—Yellow	EACH
3E8834—Black	**3E8837**—Green	**9¢**
3E8835—Blue	**3E8838**—Purple	

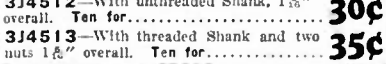
Ten for 78c

For Metal Panels—Have Moulded Washers

3E8839—Red	**3E8842**—Yellow	EACH
3E8840—Black	**3E8843**—Green	**10¢**
3E8841—Blue	**3E8844**—Purple	

Ten for 88c

"Banana" Style Plug-in Spring Contact Prongs



Fit above two styles of jacks. Provide secure solid contacts. Easily attached to rods or sheet. Efficiently provides for plugging-in many styles of special apparatus.

3J4512—With unthreaded Shank, 1⅛" overall. Ten for..... **30¢**

3J4513—With threaded Shank and two nuts 1⅝" overall. Ten for..... **35¢**

Metal Jack

For Banana Type Plug-in Prongs

Made of brass nickel plated. Hold prongs securely. Provide sure contact. Fits ¼" hole. Shank ⅝" long. Lock nut and solder lug included.

3E8893—Ten for..... **35¢**

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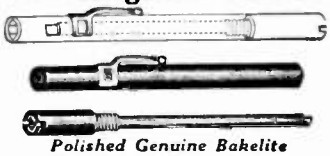
World Radio History

Neutralizing and Alignment Tools



Polished Genuine Bakelite

3C4500—
YOUR PRICE ..... **44¢**
Ten for..... $4.20

No Serviceman can afford to be without a set of these new, improved neutralizing and balancing tools. Made fountain-pen size and furnished with a handy pocket clip. Can be worn in the vest pocket, ready for instant use. Ideal for "lining up" variable condenser sections. Made of polished black bakelite with steel driver blade. Finest quality. Not to be compared with cheap fiber tools. Length, 6 inches. Driver fits into the wrench.

Fine Quality Casein

Same size and construction as above. Material used is similar to bakelite. Very attractive brilliant colors. Not quite as strong nor as durable as bakelite.

3J4510—Assorted Colors.
YOUR PRICE ..... **29¢**

Majestic and Crosley Alignment Attachments

Fit neutralizing tool No. 3C4500, listed above.

Bal-Neut for Majestic Sets

3J4501—List, 55c.
YOUR PRICE ..... **23¢**

Overall length 2½". Has screw driver and offset socket for ¼" hex. nuts. Extends tool 1⅛".

For Crosley Sets

3J4502—List, 20c.
YOUR PRICE ..... **10¢**

Extends tool 1⅛". Has socket for ¼" square nuts.

For Majestic Sets

3J4507—List, 20c.
YOUR PRICE ..... **10¢**

Extends tool 1⅛". Has socket for ¼" hex. nuts.

Five-in-One Neutralizer Compensator and "Tool Kit"

3J4503—
YOUR PRICE ..... **71¢**

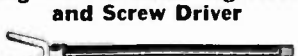
Combines in a fountain pen size compact tool that can be carried in your vest pocket, ¼" and ⅜" nut wrenches, miniature blade screw driver for neutralizing and a full size insulated handle general purpose screw driver. Made of fine quality extra strength fiber. Fountain pen clip prevents loosing from pocket. When closed, no sharp points are exposed to wear clothing.

Neutralizing and Compensating Screw Driver

3C4504—YOUR PRICE ..... **23¢**

Bakelite knob, diameter 1" fastened to ¼" hard rubber rod projecting 3⅝". Hardened screw driver blade.

"Alligator" Neutralizing Wrench and Screw Driver



3C4505—
YOUR PRICE ..... **24¢**

Alligator wrench with ⅜" opening. Securely fastened to extra strong high insulation rod size ¼"x4¼". Hardened steel screw driver blade.

Neutralizing Tool Set with Metal Nibs

3J4506—
YOUR PRICE ..... **69¢**

Polished black bakelite handles. Two tools One consists of a ⅜" diam., 6" long tube on each end of which are heavy brass nickel plated socket wrenches for ⅜ and ¼ inch hex nuts. The other tool fits inside the first tool and consists of a ⅛" solid rod, one end of which has a strong screw driver blade, the other end is of special magnetic steel. Fits Majestic Model 70 and many others.

Neutralizing and Aligning Tool Kit

Will Balance All Sets

3D4508—List Price $4.00.
YOUR PRICE **$2.35**

Every serviceman needs these balancing instruments. This complete outfit provides every tool that you will ever need to neutralize, balance or re-align the variable condenser or IFT sections of any receiver.

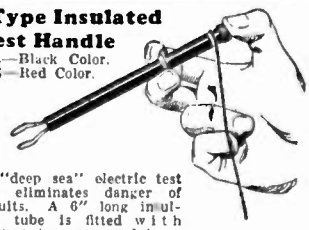
Seven pieces, providing 12 distinct tools, ingeniously designed to telescope into each other, forming four separate tools when assembled. Attractive vest pocket carrying case included to conveniently hold all tools. Bodies are extra strong and made of fine quality hard rubber, fiber and bakelite. Polished nickel brass fittings.

Separate Tools Provide

Alligator side wrench, 6" Insulated Screw Driver with metal nib. Metal ⅜" nut wrench. Metal ¼" nut wrench. ¼" square nut insulated wrench. ¼" hex. metal side wrench. 2½" insulated screw driver with metal nib. ¼" hex. slotted insulated wrench. Metal screw driver. ⅜" hex. insulated nut wrench. 5" insulated screw driver with metal nib. 6" insulated screw driver.

Snap Type Insulated Test Handle

3F2434—Black Color.
3F2435—Red Color.
YOUR PRICE
49¢
EACH



A new "deep sea" electric test clip that eliminates danger of short circuits. A 6" long insulated fibre tube is fitted with spring contact jaws operated by a push of the thumb. Test wire connected under insulated binding post. Will pick up screws, etc., dropped into inaccessible places. Supplied in red or black color.

Neon Tattelite Tester

Non-Breakable Neon Lamp

3F2436—List Price, $1.00.
YOUR PRICE ..... **59¢**

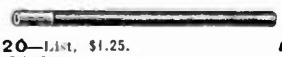
Indicates: live lines, open circuits, radio frequency and static electricity. Tests for: defective fuses, condensers, insulation, resistors, and spark plug. For all continuity tests in Radio Sets and laboratory apparatus. A 100,000 ohm protective resistor is in series with the neon lamp which glows on only .0005 ampere current. Operates on 90 to 550 volt circuits. On A.C. both electrodes glow; on D.C. only the negative side glows. Two heavy insulated 5" leads fitted with pin tips. Entire assembly is unbreakable and convenient to carry in tool kit or pocket.

Flexible Shaft Socket Wrench

3J4678—List, $2.00.
YOUR PRICE **$1.18**

This socket wrench is particularly adaptable for adjusting and aligning trimmers on RCA Victor Receivers, Model R-32, R-35, etc. Flexible oval shaped socket end provided is a very necessary feature in adjusting these sets. Moulded rubberoid, sure grip handle. Case hardened, cadmium plated steel shaft and socket.

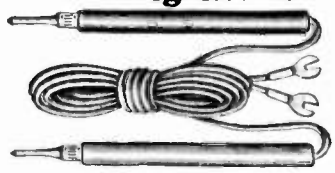
Tuning Wand



3J4520—List, $1.25.
YOUR PRICE ..... **73¢**

Consists of a bakelite rod with brass cylinder at one end and special iron core at other end. Inserting brass end in coil lowers inductance, iron end increases inductance. Indicates proper coil adjustment without changing trimmers. A necessity in adjusting all-wave receivers.

Testing Leads

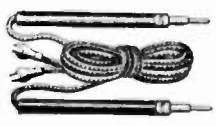


With Heavy-Duty Laboratory Sharp Point Ends

3J4540—Spade Ends.
YOUR PRICE PER PAIR ..... **48¢**

Polished, lustrous high di-lectric handles 6½" long (over-all) ⅞" diameter. One red, one black for polarity indication. 60" long flexible heavy duty rubber covered cables in colors to match prods. Point screws into prod handle and projects 1". All connections are properly soldered, providing low resistance connections necessary for making precision measurements.

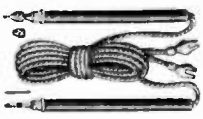
With Phone Tip Prods



3E4526—Spade Ends.
3E4527—Tip Ends.
Per Pair.... **25¢**
3E4524—Alligator Spring Clip Ends.
Per Pair.... **35¢**

Polished lustrous high di-electric handles, 4" long (overall) ⅜" diameter. One red, one black for polarity indicating. 50" long flexible cables in colors to match.

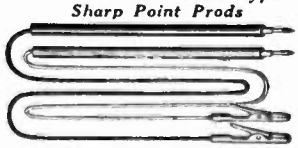
With Renewable Sharp Point Phono Needle Prods



3E4528—Spade Ends.
3E4533—Tip Ends.
Per Pair ..... **29¢**
3E4523—Alligator Spring Clip Ends.
Per Pair ..... **36¢**

Polished lustrous high di-electric handles, 4" long (overall) ⅜" diam. One red, one black for polarity indicating. 50" long flexible cables in color to match. Chucks hold needles which are easily renewable. Needle points enable accurate readings through insulation, and painted or rusty surfaces.

With Slender Pencil Type Sharp Point Prods

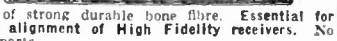


3E4542—Spade Ends.
3E4543—Tip Ends.
PER PAIR ..... **35¢**
3E4544—Alligator Spring Clip Ends.
PER PAIR ..... **44¢**

Long, thin polished lustrous high di-electric handles 7" long (overall); one red, one black for polarity indicating. 60" long flexible cables in colors to match. Best suited Prods for ohmmeter and exploring service. Reaches otherwise inaccessible points as between voice coils and speaker frame, sub-assemblies, etc.

No Metal Neutralizing Tools

Neutralizing Wrench



Made of strong durable bone fibre. Essential for proper alignment of High Fidelity receivers. No metal parts.

3F4515—5½ inches long.
YOUR PRICE ..... **11¢**
3J4518—8 inches long.
YOUR PRICE ..... **13¢**

Combination Neutralizing Wrench and Screw Driver

No metal parts. Screw driver slides into one end of handle. Other end is hexagon broached to balance hex top trimmers. Absolutely essential where it is necessary to neutralize by turning both screw and nut. Made of strong, hard rolled fibre.

3F4516—Adjustable from 7 to 10 inches.
YOUR PRICE ..... **34¢**
3J4519—Adjustable from 11 to 17 inches.
YOUR PRICE ..... **49¢**
3F4517—Screw driver only. Beveled at both ends. 7 inches long.
YOUR PRICE ..... **21¢**

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SOLDER-MASTER Electric Soldering Irons

Solder Quicker, Better, at less cost. For 105-120 volt A.C. or D.C.

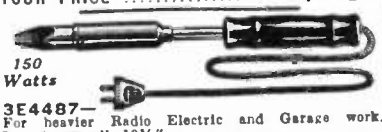
Give quick heat and long satisfactory service. Quality and life are guaranteed. Any element that proves defective when properly used will be made good. Underwriters approved asbestos cords. Neat durable element holders. Cool, generous size handles. Renewable tips and heating elements.

55 Watts

3E4485—For light Radio Repairing and Home use. Length overall 11¾". YOUR PRICE ..... **97¢**

100 Watts

3E4486—For general Radio and Electric work. Length overall 12⅝". YOUR PRICE **$1.78**



150 Watts

3E4487—For heavier Radio Electric and Garage work. Length overall 13¾". YOUR PRICE..... **$2.69**

Repair Parts for Solder-Master Irons

Extra Tips			Heating Elements	
Stock Number	Price Each	For Iron Size	Stock Number	Price Each
3F4488	15¢	55 Watts	3F4491	$0.35
3F4489	22¢	100 Watts	3F4492	.98
3F4490	45¢	150 Watts	3F4493	1.50

ICA SPECIAL QUALITY Electric Soldering Iron

Popular Serviceman's Sizes

Stock Number	Watts	Tip Diam.	Length Overall	List Price	Your Price
3F4772	60	⅜"	10"	$3.50	$2.06
3F4773	85	⅜"	11½"	4.00	2.35
3F4782	115	½"	13½"	5.00	2.94

A large Radio manufacturing company formerly experienced much trouble with their electric soldering irons. So they put their highly trained Engineering Department on the job of building a long lasting trouble free solder iron. Here it is! One of the finest ever made! And what a value! Bound to give long satisfactory service. **(Absolute Guarantee on Heating Element for a Full Year of Use!)**

Heats quickly, holds heat a long time. ⅝" solid copper alloy tip. Fine quality 6 foot heater cord. Unbreakable rubber attaching plug. Polished nickel barrel. Black rubberoid handle. First quality in every point! For 105-120 volt current A.C. or D.C.

Repair Parts for Special Soldering Iron

Extra Tips			Heating Elements	
Stock Number	Price Each	For Iron Size	Stock Number	Price Each
3F4781	21¢	60 Watts	3F4797	$0.89
3F4783	24¢	85 Watts	3F4798	1.05
3F4784	30¢	115 Watts	3F4799	1.20

"ESICO" Constant Duty Industrial Soldering Irons

Used in the United States Navy and practically all the large radio and electrical factories throughout the country. Beautiful craftsman's tools. Perfect fitting hard drawn tinned copper tips, replaceable. **One year guarantee.** Grade A nickel chrome resistance wire wound on lava insulators encased in blue steel one-piece case. Long life. Quick heat. Maintains a constant even temperature. 6 foot heavy duty cord with anti-kink rubber cable shield. Handle never gets hot. For use on 105-125 volt current.

Stock Number	Watts	Tip Diam.	Length Overall	List	Your Price
3F4785	65	⅜"	10½"	$5.00	$2.94
3F4786	100	⅜"	12¾"	5.50	3.24
3F4787	200	⅝"	14"	8.75	5.15
3F4788	310	⅞"	14½"	10.25	6.03

"Esico" General Purpose Electric Soldering Irons

One piece blued steel cases. Rich dark mahogany handles. Replaceable forged copper tips. Grade "A" nickel chrome elements wound on highest quality mica insulation.

Extraordinary high quality tools. One piece blued steel cases. Rich dark mahogany handles. Replaceable forged copper tips. Grade "A" nickel chrome elements wound on highest quality mica insulation. **Underwriters approved** 5 ft. cords with unbreakable rubber plugs. For 105-120 volts A.C. or D.C. operation. Guaranteed for one year.

3F4780—Esico Nick Nack. 55 watts. ⅜" tip. Length 11¾". YOUR PRICE **65c**

3F4789—Esico Midget. 65 watts. ⅜" tip. Length 11¼". YOUR PRICE **$1.03**

3F4790—Esico Junior. 85 watts. ⅜" tip. Length 12¼". YOUR PRICE **$1.62**

3F4791—Esico Trophy. 150 watts. ⅞" tip. Length 12½". YOUR PRICE **$2.94**

Repair Parts for Esico Electric Soldering Irons

Extra Tips			Heating Elements	
Stock Number	Price Each	For Iron	Stock Number	Price Each
3F4845	14¢	Nick Nack	3F4849	$0.33
3F4846	20¢	Midget	3F4850	.83
3F4847	20¢	Junior	3F4851	.90
3F4848	30¢	Trophy	3F4852	1.61

Special Tips

For "Esico" Midget and Junior Irons

⅜" Dia. Curved. Fits either Midget or Junior. **3F4853**—Your Price **20¢**

⅝" Dia. Fits either Midget or Junior. **3F4854**—Your Price **20¢**

Leader Electric Soldering Iron

3E4775—Single Tip. YOUR PRICE, Each ..... **69¢**
Ten for $6.25

3E4774—Two Tip. YOUR PRICE, Each ..... **89¢**
Ten for $8.25

Well made. Very durable. 50 watt size. Guaranteed for 1000 hours; will last longer with proper use. Two solid copper Tips, one for very fine work, the other ⅛" diameter for larger work. 5½ foot heater cord with spring protection at handle.

Soldering Iron Holder and Stand

3E4778—YOUR PRICE, Each ..... **73¢**

A practical stand on which to rest your hot iron while on a service call. A protection for you and your customer and when the job is finished, no need to hang around waiting for iron to cool. Just stick hot iron into the holder, drop the outfit in your carrying case and go on your way. Saves time and time means money. Efficiently insulated. Takes all Servicemen's size irons, 6½" long.

Combination Alcohol Blotorch

3F4800—YOUR PRICE ... **$2.20**

The finest quality torch. Produces a powerful 2200 degree blast. Double burner—one for needle point flame—add the attachment for a heavy intense flame. Cleaning pin attached to always cool handle. Made of extra heavy gauge brass. Cast bronze base. Will last a lifetime. Size 7x4¾x3 inches. Burns 3½ hours on one filling.

Gasoline Blotorch

3C4803
YOUR PRICE ..... **59¢**

Uses gasoline. Entirely automatic. Quick priming. Perfect Bunsen flame over 2000 degrees. No pumping, no blowing. Burns two hours on one filling. Generates its own pressure. For jobs requiring a melting, fusing, brazing heat. Very durable. A wonderful value. Size 2¾x7½ inches. Nickel plated brass tank.

Kester Quality Solder

Kester Rosin Core Solder

Requires no flux as rosin has been moulded into the core of solder wire. Best for fine radio connections and electrical work. Makes strong, low resistance joint.

3E4765—Per can. (3 to 4 ounces). List, 25c. YOUR PRICE ..... **15¢**

3E4766—1 lb. Coil. YOUR PRICE ..... **56¢**

3E4767—5lb.Coil. YOUR PRICE ... **$2.65**

Kester Acid Core Solder

3F4761—Per can (3 to 4 ounces). YOUR PRICE ..... **15¢**

3F4762—1 lb. Coil. YOUR PRICE **56c**

Kester Aluminum Solder

Flux Filled

Virgin metals properly alloyed. Hollow wire form with flux sealed within solder. Provides the fastest and most satisfactory method of soldering aluminum in any form. In can is included cleaning materials and instructions.

3E4763—Per can, List Price, 25c. YOUR PRICE, Each..... **17¢**
Ten for.....$1.50

Wire Solder

3E4768—1 lb. YOUR PRICE .... **59¢**

A composition of tin and lead in proportions satisfactory for all Radio and Electrical soldering. Diameter about ⅛ inch.

Solder Paste

3C4770—2 oz. Can. YOUR PRICE ..... **10¢**
Ten for 85c

A non-corrosive soldering flux. Makes a secure mechanical and perfect electrical connection.

Sal-Ammoniac Cake

For Cleaning Solder Iron Tips

Speedily cleans and brightens the soldering copper, causing solder to flow smoothly. Insures good solid joints with minimum of resistance. Will last many months in continuous service. Most convenient to use.

3E4779—Per ½ lb. Cake .... **29¢**

Quality Rosin Core Solder

3F4759—3 oz. can. YOUR PRICE ..... **12¢**

3F4760—1 lb. spool. YOUR PRICE ..... **47¢**

3F4769—5 lb. spool. YOUR PRICE **$2.23**

An excellent solder for all electrical and radio work. Pure rosin flux prevents corrosion and permits delicate work without harm to operative parts. Quick positive action. Superior to any competitive brand of solder sold at these low prices.

Electric Soldering Pencil

A small handy soldering tool for quick light work. For use by radio servicemen, jewelers, dentists and for household repairs. Heats quickly and is easy to handle. Black insulated handle, cork grip and finger guard. 6 ft. approved cord and non-breakable rubber attaching plug.

3J4537—110 Volt A.C. or D.C.
3J4538—6 Volt D.C. (Stor. Bat.)
YOUR PRICE, EACH ..... **72¢**

Special 100 Watt Iron

Heats quickly, retains heat dependably. Has screw-on ⅞ inch diameter copper tip. With black insulated handle and 6 foot flexible cord. Complete with handy stand.

3J4777—
YOUR PRICE ..... **97¢**

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World Radio History

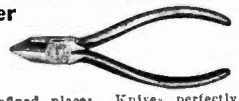
Genuine Mathias Klein Pliers

The World's Standard of Quality

Klein pliers are made of the best fine tool steel, guaranteed the highest quality on the market. Considering the quality and long life of Klein products, the values offered are exceptionally good.

Klein's Narrow Nose Oblique Plier

Kleins Cat. No. 202



Cuts close, the narrow head permitting use in confined places. Knives perfectly fitted so that they meet accurately at all points.

3J4750 5 inch. Each **$1.80**
3J4751 6 inch. Each **$2.00**

Klein's Long Nose Side Cutting Plier

Klein Cat. No. 203

Fine cutting assured. Knives carefully fitted. Body of the plier is hardened and tempered. Point ⅛ inch round.

3J4754 5 inch. Each **$1.90**
3J4755 6 inch. Each **$2.10**

Diagonal Jaw Nippers

3C4565

Your Price..... **39¢**

For fine electrical and radio work. Made of hardened tool steel. Cuts wire clean in tight places. Size 5½ inches.

Long Nose Pliers

3C4566

Your Price..... **39¢**

The handiest pliers for radio work. A fine quality tool made of fine hardened tool steel.

End Cutting Nippers

3C4659 6½ in. **56¢**

Cuts wire and small screws in tight places. Drop forged steel. Hardened jaws. Guaranteed.

Special Thin Nose Pliers

3D4667 YOUR PRICE **34¢**

Handy radio pliers with long thin jaws for reaching into narrow places. Stub nose will hold nuts firmly. Overall length 6½". Drop forged steel.

Close Cut Hack Saw

Cuts steel, bakelite, wood, etc. quickly and cleanly. Strong tight grip frame. 7½ inch long saw blade. Gets into hard corners. Reaches many places ordinary hacksaw cannot touch. Blade very durable; almost unbreakable. Blade easily replaced. Very fine teeth, 18 per in. **21¢**

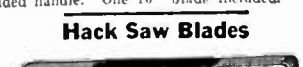
3C4654—Frame with one blade.....
3C4655—Extra blades. Six for.....61c

Pistol Grip Hack Saw

3C4740—List, $100. YOUR PRICE ..... **49¢**

American made. Finest quality. A real bargain. Strong, adjustable to take 8, 10 or 12 inch blades. Moulded handle. One 10" blade included.

Hack Saw Blades



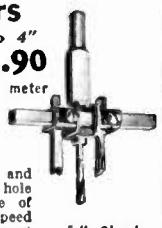
Best American Made

3C4556— 8-in. Dozen. Your Price 45c
3C4557—10-in. Dozen. Your Price 59c
3C4558—12-in. Dozen. Your Price 72c

Circle Cutters

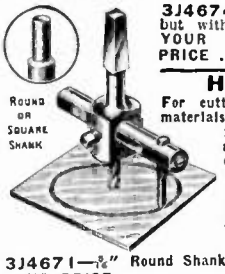
Adjustable from 1" to 4"

3J4673— YOUR PRICE **$1.90**



For cutting socket holes, meter holes, etc., in wood, bakelite, hard rubber, linoleum, brass, tin, sheet metal, etc. Does first class job and makes clean cut. Drills pilot hole, cuts out material and puts bead or scroll around hole all in one operation. Made of best materials. Best high speed steel cutting bits for use in breast drill, hand brace or drill press.

⅜" Shank



3J4674—Same as above but without beading Cutter. YOUR PRICE **$1.10**

Heavy Duty

For cutting the heaviest of materials. Will cut ⅜" cold rolled steel, ⅜" aluminum. Dashboards of cars, etc. Adjustable from 1" to 5½".

3J4670 — Square Shank. Your Price **$1.88**

3J4671—⅜" Round Shank. YOUR PRICE **$1.88**

3J4672—Extra cutter for either of above. YOUR PRICE **24c**

Junior Model

Adjustable from ⅝" to 2½". Will cut hard rubber, bakelite, fibre and wood. Similar to above model in construction. Supplied with round shank only. For light work only.

3J4676—⅜" Round Shank. YOUR PRICE ..... **78¢**

TUBE PULLER

For All-Metal Tubes

3J4578—List Price, 15c. YOUR PRICE ..... **9¢**

Fits securely under slots already provided in the octal bases of all-metal tubes. **Permits pulling out "hard to get at" or "hot" metal tubes.** Especially useful in servicing small compact receivers with tubes located in inaccessible places. Made of steel. Tubes can be pulled out with puller at practically any angle.

HIGHEST QUALITY Alloy Steel Twist Drills

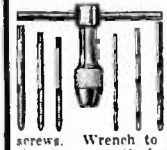
American Made

Made of alloy steel consisting in part of tungsten which makes these drills far superior to ordinary carbon drills. Straight shanks. Particularly intended for electric drills. Perfectly pointed, precision ground. Extra strong web prevents splitting of drill. Correctly tempered to insure long life. **Quality considered, our prices represent extra-ordinary values.**

3E4562—Seven drills in Hardwood Box. Sizes 1/16, 3/32, 1/8, 5/32, 3/16, 7/32 and ¼ inch. YOUR PRICE ..... **81¢**

3E4563—Eight drills in Hardwood Box. Sizes 1/16, 1/8, 3/16, ¼, 5/16, 3/8, 7/16 and ½ inch. YOUR PRICE **$2.73**

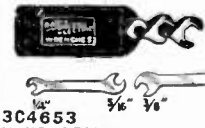
3E4564—Eleven drills in Fibre Roll. Sizes 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 7/32 and ¼ inch. YOUR PRICE **$1.27**



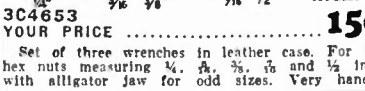
Tap Wrench with Drills and Taps

3E4560— Per Set **$1.15**

Three taps and three drills, one each for 5/16, 3/32 and 5/32 screws. Wrench to hold taps and drills. This is the most practical set for Radio Servicemen.



Radio Wrench Set

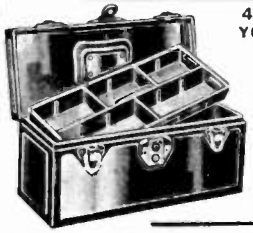


3C4653 YOUR PRICE ..... **15¢**

Set of three wrenches in leather case. For all hex nuts measuring ¼, 5/16, ⅜, 7/16 and ½ inch with alligator jaw for odd sizes. Very handy.

Radio Servicemen's Tool Boxes

All are of heavy gauge cold rolled steel, baked-on enamel green finish. Brass plated catches and lock with one key. Paneled sides, ends, top and bottom for rigidity and strength.



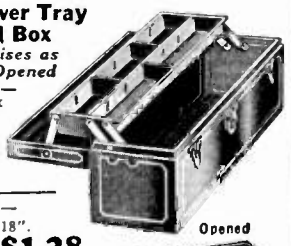
4E10901— YOUR PRICE **76¢**

Handy size for Servicemen. Very strong and light. 14" long, 6½" deep, 6" wide. Removable loose tray with adjustable partitions.

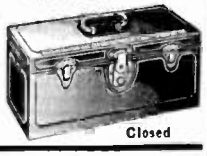
Cantilever Tray Tool Box

Tray Raises as Lid Is Opened

4E10902— Size 6x6½x14". YOUR PRICE **89¢**



4E10903— Size 6x6½x18". YOUR PRICE ... **$1.28**



Tray is so fastened that as cover is raised tray is automatically lifted, permitting easy access to bottom compartment. Box has gold rule of full size scale on cover.

Servicemen's Vises

Portable Model

3E4580— YOUR PRICE .... **73¢**

Sturdily built, accurately fitted. Machine cut steel screw. Polished jaws 1⅜" wide. Red Japan body. Convenient to carry in tool box. Shpg. wt., 2 lbs.

Journeyman's Swivel Bench Model

3E4575— YOUR PRICE **$2.48**

Replaceable hardened steel jaw faces, knurled surfaces. Cold rolled steel bar, screw and handle. Pipe jaws hold pipe ⅛ to 1¼". Jaws open 3½" width 3". Swivel base with improved lock, holds fast at any angle. Rugged anvil. The finest vise on the market for Radio and electrical work.

4 in 1 Screw Driver

3J4745 YOUR PRICE, Per Set ..... **39¢**

Four screw drivers. Smaller ones nest inside large one. Largest driver 6½" long, 2" hardened steel blade. Fits all radio screws.

Magic Electric Pencil

Engraves and Embosses

An electrically heated scriber about the size of a fountain pen. Writes electrically, like embossing, in beautiful colors—copper, gold, silver, green, blue, purple, on any material —silk, paper, metal, cloth, leather, wood, frosted glassware, celluloid, bakelite, etc. Reproductions can be made of drawings, designs, special lettering, nameplates, monograms, initials, emblems, etc. Very useful to Radio Servicemen for marking test panels, Radio Sets, tools, books, advertising materials, tube bases, etc. Enough embossing paper supplied to emboss hundreds of words. A wonderful tool. Will make a profit for you of many times its cost every month. Works on 100-120 volt A.C. or D.C. Heats quickly. Maintains even temperature. 8 feet cord, with attaching plug included.

3D4536—List Price $2.00. YOUR PRICE ..... **79¢**

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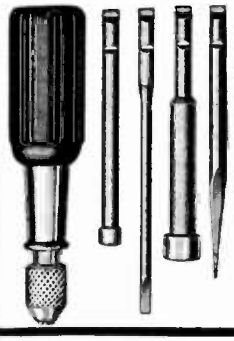
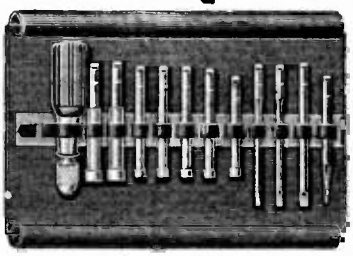
Serviceman's Spintite Kit





Socket Wrenches Reamer and Screw Drivers

3C4681 YOUR PRICE **$3.50**

An extra fine quality compact outfit that provides a complete set of socket wrenches and screw drivers, also a useful reamer. This outfit meets the need of any radio repair job and can be rolled up to conveniently carry in the tool chest or analyzer. Outfit includes universal handle with chuck, 3 screwdriver bits, 1 ream awl, 7 spintite hexagon wrenches, sizes 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, and 1/2 inch. All mounted in durable tool roll.

A very useful and necessary item of the Serviceman's equipment.

SERVICEMAN'S Vest Pocket Screw Driver

Always ready! Clips into vest pocket like fountain pen. Same diameter as pen but only 3½" long closed. 5¼" long opened. Blade 1⅜" long, ¼" shaft of strong tempered steel. Blade positively will not turn loose. This tool, though very small, meets almost every possible radio requirement. Shockproof—5,000 volt insulation. Most convenient. Cannot cut hole in pocket. Adjustable clip.

3D4746— YOUR PRICE, Each ..... **19¢**

Radio Set Screw Drivers

3C4739— Set of three.. **29¢**

Real quality tools to handle tiny screws in recesses. Tight grip, moulded polished black composition handles offer perfect insulation. ⅛-inch diameter hardened steel blades, small enough and strong enough for any radio set screw. Blade lengths 1½, 2¼ and 3¼ inches. Blades will never loosen or turn in handles.

DeLuxe Super-Grip Radio Screw Driver Set

Transparent High Insulation Handles

Super quality, classy appearance. 5,000 volt test, unbreakable lusterous transparent non-inflammable handles. Molded to blade; will never loosen. Blades of fine hardened tool steel. Will handle tightest screws without bending or chipping. Blades are rust-proofed and highly polished. Vest pocket clip prevents losing. An extra-quality American made tool for the Professional Radio Serviceman. Blades ⅛" diameter; 1½", 2¼" and 3¼" long. Handles perfectly all types of machine screws, dial screws, small wood screws, etc.

3E4744—Per Set of Three. YOUR PRICE ..... **65¢**

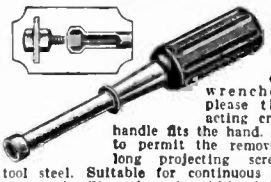
Maple Handle Screw Drivers

3E4749— Set of 4 Your Price **59¢**

Substantially made to stand the gaff yet low in price. Handles are of white hardwood in natural varnish finish, fluted for sure grip. Blades of hardened and polished tool steel. Will not turn in handles. Extra heavy steel ferrules. Four Drivers with 6, 5, 4, and 3 inch blades. A set of these drivers will handle practically every machine and wood screw, except very smallest ones, used in Radio Service Work.

Genuine Spintite Hollow Stem Socket Wrenches

For Small Hexagon Nuts



Extra fine quality wrenches. Built to please the most exacting craftsman. Wood handle fits the hand. Stem is hollow to permit the removal of nuts on long projecting screws. Hardened tool steel. Suitable for continuous factory production work. Size given is width of hexagon nut in inches. Sold singly or as a set.

Stock Number	Size	Price Each
3C4682	5/16	30c
3C4683	1/4	30c
3C4684	11/32	30c
3C4685	3/8	30c
3C4686	5/16	30c
3C4687	7/16	40c
3C4688	1/2	40c

3C4691 Complete set Seven Wrenches Your Price **$2.30**

Special Socket Wrench Set

3C4652—Handle and five sockets. YOUR PRICE ..... **59¢**

A specially selected set of five detachable sockets, together with a special tight-grip handle in which is set a sturdy steel shaft firmly held with long steel ferrule. Fine quality steel sockets with very thin but strong walls. Sizes: ¼, 5/16, 3/8, 7/16 and ½ inch for hexagonal nuts. Hollow stems take screws projecting not over 5/8 inch.

Socket Wrench and Screw Driver Set

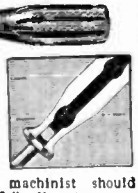
3J4651—List Price, 75c. YOUR PRICE ..... **38¢**

A set of seven detachable sockets, together with handle—a mighty useful addition to your radio tool chest. Fine quality steel. Sizes: ¼, 5/16, 3/8, 7/16, ½, one for turning knurled nuts and a screw driver attachment that handles all sizes of radio screws. Cadmium plated. Black wood handle.

Super Grip Screw Drivers

Insulated Handles—Insulated Blades

The finest made and at bargain prices! Tight grip, moulded, polished black composition handles. Offer perfect insulation. Radio sizes have slender hardened steel blades, diameter 5/16 inch. Reach the difficult spots. Blades can never get loose or turn in handle. Very strong and rugged. Every serviceman and machinist should have a complete set. Blade 5/16" diameter.



Stock Number	Blade Length	Price Each
3C4725	3½"	15c
3C4726	4½"	17c
3C4727	5½"	20c
3C4728	6½"	24c
3C4729	8½"	28c
3C4730	10½"	32c

3E4731—Set of 6 One of each size. YOUR PRICE **$1.23**

Hollow Stem Hex-Nut Wrenches

High quality tools. Have deep hollow in socket to take any ordinary projection of screw above nut. Fine tool steel shanks. Sockets of specially hardened tool steel. Shank and socket cadmium plated. Finely finished grooved wood handles, provide sure grip. Shanks securely set in handles to prevent turning. Every Radio Serviceman needs a complete set of all three styles. Our quotations represent big values.

With Straight Shanks, 6" Overall

Stock Num.	For Hex. Nuts
3E4711	5/16 In.
3E4715	1/4 In.
3E4716	5/16 In.
3E4717	3/8 In.
3E4718	7/16 In.
3E4712	1/2 In.

YOUR PRICE EACH **10¢**

3E4719—Set of 6 Wrenches Complete **52¢**

With Straight Shanks, 9" Overall

Stock Num.	For Hex. Nuts
3E4713	5/16 In.
3E4720	1/4 In.
3E4721	5/16 In.
3E4722	3/8 In.
3E4723	7/16 In.
3E4714	1/2 In.

YOUR PRICE EACH **12¢**

3E4724—Set of 6 Wrenches Complete **62¢**

With 90° Offset Shanks, 7" Overall

Easily and quickly handle nuts in positions not accessible with straight shank wrenches. Except for 90° bend in shank construction is exactly same as above.

Stock Num.	For Hex. Nuts
3E4732	5/16 In.
3E4733	1/4 In.
3E4734	5/16 In.
3E4735	3/8 In.
3E4736	7/16 In.
3E4737	1/2 In.

YOUR PRICE EACH **12¢**

3E4738—Complete Set of six wrenches YOUR PRICE **62c**

Hollow Handle Radio Wrench Set

3C4700— YOUR PRICE ..... **45¢**

The handiest tool in the serviceman's kit. Hollow handle holds screwdriver socket and 5 wrench sockets: size ¼", 5/16", 3/8", 7/16" and ½" all of which are included in set. Ideal for radio and general repair use. Handle and shank are 7⅛ inches long. Handle is heavily knurled, providing good gripping surface. Finished in white nickel.

Burgess Flashlight Screw Driver

Puts the Light Directly on the Screw

A combination flashlight and screw driver. Handle screws in dark places quickly and efficiently. Enables use of both hands. Large secure grip safety insulated handle. Fine tool steel blade handles all radio screws. Switch turns light off and on. Bulb included. *Very Special Value!*

3D4747—Screw Driver, Less Batteries. YOUR PRICE ..... **39¢**

3F87—No 1. Uni-Cell Batteries (2 Required) Two for.... **12c**

Hold-E-Zee Screw Drivers

Holds Any Size Screw

Quickly places any type screw in spots not accessible with ordinary screw driver. Screw gripper holds screw firmly while screw is being placed and instantly releases it when desired. Gripper slips along blade to upper end when not in use. Strong insulated unbreakable handle. Hexagonal tool steel blade 5/16" diameter.

3E4741— 3" Blade, Each **34c**
3E4742— 4" Blade, Each **49c**
3E4743—10" Blade, Each **55c**

Screw Holding Screw Drivers

Four finger-like prongs hold nuts, screws, lock washers, etc, in vise-like grip. Works in places impossible to reach with fingers or ordinary tools. Nickel plated tempered steel blade. Moulded bakelite handle. This is one of the most satisfactory tools of this type that we have seen.

3C4635— 8 inch. Each..... **75¢**
3C4636—10 inch. Each..... **95c**

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World Radio History

GENUINE RCA HOME RADIO REPLACEMENT PARTS

for R.C.A. Victor, Radiola, General Electric, Westinghouse and Graybar Receivers

For Corresponding Models of G. E., Westinghouse and Graybar See Cross Index on Page 72

R. C. A. Model	Audio Transformer		Output Transformer		Speaker Cone		Volume Control		Tone Control		Power Transformer		Filter Pack or Capacitor	
Receiver Number	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price
R10	R7343	$2.10	*	$0.72	R8601	$0.90	R3092	$0.75	R3234	$0.90	R7344	$4.14	R7342	$4.05
R11	R7271	1.31	R7258	.72	R8601	.90	R3092	.75	R3093	.81	R7272	4.80	R7269	3.24
R12	R7343	2.10	R7258	.72	R8601	.90	R3092	.75	R3234	.90	R7344	4.14	R7342	4.05
R32, RE45 RS2, RE75	R10414	2.81	R10418	6.00	R10801	1.20	R10450	1.23	R10408	.75	R10415	6.89	R10417	2.10
R48	*		R7104	1.50	R8601	.90	R7129	1.38			R8609	5.95	R8608	4.80
R50, R55	R8711	2.55	*		R8558	1.20	R3142	.75	R3143	.72	R8710	5.71	R8751	2.76
Rad 80, 82, 86	R8554	4.72	*		R8558	1.20	R7061	.72	R7074	.75	R8556	5.71	R8553	5.18
118			R4505	.93	R9492	.45	R4429	.84	R4426	.21	R9511	2.87	R7790	.63
121			R6476	.86	R9428	.60	R6695	.72	R6705	.72	R9446	3.24	R6571	.22
122			R6476	.86	R9428	.60	R6695	.72	R6705	.72	R9446	3.24	R6571	.22
128			R4818	1.29	R9533	2.10	R4519	.75	R4517	.54	R9511	2.87	R7790	.63
143	R4620	1.79	R9535	4.59	R9533	2.10	R4519	.75	R4616	.77	R9505	3.81	R7790	.63
242	R4620	1.79	R4599	.80	R8969	.76	R4519	.75	R4616	.77	R9505	3.81	R7790	.63
262	R7841	2.43	R7834	2.43	R8969	.76	R4832	.75	R4829	.60	R9505	3.81	R7790	.63
281	R7785	1.44	R4506	1.71	R7000	1.13	R7798	1.23	R4829	.60	R9505	3.81	R7790	.63
320			R6476	.86	R9428	.60	R6695	.72	R6705	.72	R9446	3.24	R6571	.72
321			R6770	1.20	R8969	.76	R6695	.72	R6705	.72	R9446	3.24	R6571	.72

*** Combined with Audio or with Output Transformer.**
Note: "R" before above part numbers is used so as not to confuse the R. C. A. repair part numbers with Radolek stock numbers. Place the letter "R" before the R. C. A. number when ordering.

RCA 3 Point Service System

How to Get the RCA 3-Point Service System for Only $1.50

(1) Place an order for RCA repair parts (tubes and testing equipment not included) and specify on your order an RCA 3-Point System Purchase Record Card. This record card is used for recording your purchases. (2) When your purchases of RCA repair parts including your original purchase total $5 we will ship at your request the entire System for $3 along with 200 Service Tip Cards. (3) Thereafter we will ship at your request a packet containing 20 new Service Tip Cards for your file for every $10 worth of additional purchases. (4) When your purchases total $60, as shown on your card we will return to you $1.50 (one-half of the purchase price). Thus you will have the whole system including 300 Service Tips for only $1.50. (5) You may continue right on earning packets of tips for each $10 of purchases. No duplication of Tips. Only purchases of genuine RCA parts apply on this deal.

Here Is What You Get

1. **The RCA Radio Service Tip File,** including handsome steel cabinet and 200 Tip Cards and Index Cards. Size of cabinet 6½" wide, 12" long and 5" high. Holds 1200 cards size 3"x5". Value..... **$5.00**
2. **Radio Service Business Methods,** by John F. Rider and J. Van Newenhizen. Tells how to operate your service business profitably. Value..... **3.00**
3. **101 Service Sales Ideas,** a 48 page book. Gives over a hundred proven methods of securing more business. Deals with Organization. Personality and Good-Will; uncovering New Business Leads; Publicity and Advertising; Displays; Direct Mail—Post Cards—Circulars; Financial Hints and New Sources of Income. Value..... **.75**

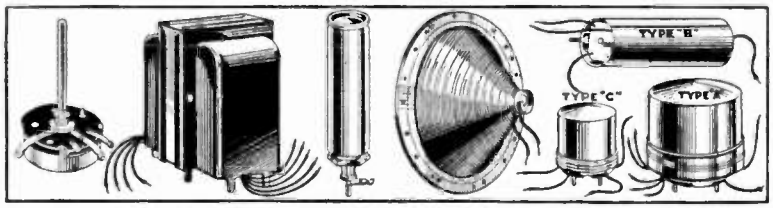
TOTAL **$8.75**

When ordering this service system specify:—

RJ992—And Remit the Deposit Price of **$3.00**

You will receive $1.50 credit on this deposit price when earned as specified above.

Popular Genuine RCA Replacement Parts



RCA Speaker Cones

R8601—For Models R7, R7A, R9DC, R8, R9, R10DC, RE18A, RE19, R21, RO23, RAE26, R43, Rad48.
List Price, $1.50. **YOUR PRICE** **90c**

R8558—For Models RE20, R35, R39, RE57, RE73, Rad46, RAE59, Rad60, 62, 64, 66, 67, RAE68, RAE79.
List Price, $2.00. **YOUR PRICE** **$1.20**

R8974—For Models R22S, R22W, R28, R28P, RE30, 100, 101, 110, 111, 114, 115, M116, 300, 301.
List Price, $1.00. **YOUR PRICE** **60c**

R8935—For Models R73 (47), R74, R75 (47), R76, R77, RE80, RE81, 210, 211, 221, 223, 224, 225, 226, 322.
List Price, $1.05. **YOUR PRICE** **63c**

R8969—For Models R72, R73 (2A5), R75 (2A5), R90, 140, 141, 220, 222, 240, 242, 260, 261, 262, 263, 280, 321, 327, 330, 331, 340, 341, 380.
List Price, $1.27. **YOUR PRICE** **77c**

R9428—Models 112, 120, 124, 126B, 142B, 241B, 310.
List Price, $1.00. **YOUR PRICE** **60c**

R9023—For Models M34, M105.
List Price, $1.00. **YOUR PRICE** **60c**

RCA Power Transformers

R8985—For Models R28, R28P, RE40, 110, 111, 115, 210, 310.
List Price, $4.26. **YOUR PRICE** **$2.56**

R9511—For Models 118, 125, 128, ACR136, 211, 224, 225, 226, 322.
List Price, $4.78. **YOUR PRICE** **$2.87**

R9042—For Models 140, 141, 240, 340.
List Price, $6.84. **YOUR PRICE** **$4.10**

R9505—For Models 143, 241B, 263, 341, 381.
List Price, $6.35. **YOUR PRICE** **$3.81**

RCA Filter Blocks and Capacitors

R2947—For Models R5, R7, R9, RE16, R43.
List Price, $1.75. **YOUR PRICE** **$1.05**

R7589—Models 110, 111, 115, 210, 214, 310, R28.
List Price, $1.64. **YOUR PRICE** **99c**

R7790—For Models 117, 118, 119, 125, 128, ACR136, 143, 211, 224, 226, 242, 262, 263, 281, 341, 381.
List Price, $1.05. **YOUR PRICE** **63c**

R6571—For Models 140, 141, 240, 280, 340, 380.
List Price, $1.20. **YOUR PRICE** **72c**

RCA I. F. Transformers

R7266—1st I.F. For Models R-11, R-21, RE-18, RAE-26. Peaked at 175 Kc. For sets using 224 and 235 Scr. grid tubes. Tuned primary and secondary. List Price, $2.20—Type A.
YOUR PRICE **$1.32**

R7267—2nd. I.F. For Models R-11, R-21, RE-18, RAE-26. Peaked at 175 Kc. Copper shield between coils. Especially designed to work with RCA R3092 volume control to give sharp tuning on weak distant stations and broad tuning on powerful locals. Excellent for volume control conversion of old sets with antenna to ground rheostat or cathode type controls. List Price, $2.00—Type A.
YOUR PRICE **$1.20**

For Models Rad. 80, Rad. 82, Rad. 86, RAE-86. Peaked at 175 Kc. Sharply tuned primary and secondary. Built-in broadening resistors and external leads to permit band width change. For servicemen interested in variable band IFs, now so popular with the advent of High Fidelity.
R8565—2nd., I.F. R8566—3rd., I.F.
List Price, $2.10—Type A. **YOUR PRICE**.. **$1.26**

R6483—1st., I.F. For Models R-37, R-38, 120. Peaked at 175 Kc. Small and compact. For high gain, good selectivity between high gain RF tubes.
List Price, $1.84—Type C. **YOUR PRICE**.. **$1.10**

R6484—2nd., I.F. For Models R-37, R-38, 120. Peaked at 175 Kc. Close coupled with sharply tuned primary and untuned secondary. Converts old type receivers for diode detection and AVC.
List Price, $1.70—Type C. **YOUR PRICE** **$1.02**

R6890—1st., I.F. For Globe Trotter 140 Series. Peaked at 460 Kc. Designed for Magic Brain sets. Excellent for old style 460 Kc. receivers giving trouble because of broad tuning and low gain. Sharply tuned primary and secondary. Designed to work between high gain R.F. tubes.
List Price, $2.40—Type B. **YOUR PRICE**.. **$1.44**

R6891—2nd.. I.F. For Globe Trotter 140 Series. Peaked at 460 Kc. Drives Diode detecter or Diode AVC tubes. Tuned primary and secondary.
List Price, $2.40—Type B. Your Price .. **$1.44**

RCA Volume Controls

R2995—For Models R4, R7, R7A, R7DC, R8DC, R9, R10DC, RE16, RE16A.
List Price, $1.20. **YOUR PRICE** **72c**

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Philco Replacement Parts For *Custom Built* Philco *Auto* Radios

Used In Ford, Packard, Nash, Plymouth, Studebaker, Pierce Arrow, Dodge, De Soto, Chrysler and Hupmobile

Philco Receiver Model Num.	Car & Year	Volume Control & Switch: Philco Number	Your Price	Tone Control: Philco Num.	Your Price	Filter Choke: Philco Num.	Your Price	Control Shafts Tuning: Philco Num.	Your Price	Control Shafts Volume: Philco Num.	Your Price	Filter Condenser: Philco Num.	Your Price	Power Transformer: Philco Num.	Your Price	R. F. Transformer: Philco Num.	Your Price	I. F. Transformer: Philco Num.	Your Price	Osc. Transformer: Philco Num.	Your Price	Dial Assembly: Philco Num.	Your Price	Pilot Lamp: Philco Num.	Your Price
A	Packard 1934	7525	1.06	05366	0.44	.....		28-8100	0.39	28-8103	0.39	06088	0.88	.....		32-1197 32-1198	0.44 .32	06932 05970	0.50 .59	06916	0.56	8255	0.18	6608	0.06
B	Packard 1934	7525	1.06	RADOLEK		32-7118	1.18	28-8100	.39	28-8103	.39	04354	.76	32-7110	1.59	32-1197 32-1198	.44 .32	06932 05970	.50 .59	06916	.56	8255	.18	6608	.06
C	Stude. 1934 Nash 1934	38-5280 38-5280	1.00 1.00	.....		32-7038 32-7038	.68 .68	28-8181 28-8169	.65 .76	28-8182 28-8170	.74 .76	30-2015 30-2015	1.18 1.18	32-7098 32-7098	1.41 1.41	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222 32-1222	.26 .26	27-5034	.15	6608 6608	.06 .06
C-122	Stude. 1934	38-5935	1.00	30-4056	.44	32-7104	.68	28-8169	.76	28-8170	.76	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	27-5027	.18	34-2039	.09
D	Nash 1934 Stude. 1934 Chrysler 1933	38-5280	1.00	30-4056	.44	32-7038	.68	28-8181 28-8169 28-8139	.65 .76 .65	28-8182 28-8170 28-8141	.74 .76 .71	30-2015 30-2015 30-2015	1.18 1.18 1.18	32-7131	1.47	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	27-5034 27-5027 27-5022	.18 .18 .18	6608 6608 6608	.06 .06 .06
D-122	Nash 1934	38-5935	1.00	30-4056	.44	32-7104	.68	28-8181	.65	28-8182	.74	30-2015	1.18	32-7131	1.47	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	27-5034	.15	34-2039	.09
E	Pierce Arrow 1934	38-5511	1.00	30-4056	.44	32-7038	.68	28-8206	.74	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	42-5130	.29	34-2031	.07
G	Chrysler 1934 Dodge DeSoto Ply. 1934 Hup. 1934	33-5056	1.00	30-4127	.44 .44 .44 .44 .44	32-7118	1.18	28-8188 28-8218 28-8201 28-8226	.47 1.32 1.41 .74	28-8198 28-8219 28-8202 28-8227	.39 1.32 1.41 .59	30-2030 30-2030 30-2030 30-2030	1.12 1.12 1.12 1.12	32-7110	1.59	..... 32-1220 32-1221	.29 .38	..... 32-1236 32-1237	.82 .82	32-1222	.26	42-5133 42-5122 42-5124 42-5123 42-5208	.32 .29 .29 .21 .24	34-2031 or 34-2039	.07
G-122	Chrysler 1934 Dodge DeSoto Ply. 1934 Hup. 1934	33-5067	1.00	30-4189	.44	32-7254	.59	28-8188 28-8218 28-8201 28-8226	.47 1.32 1.41 .59	28-8198 28-8219 28-8202 28-8227	.39 1.32 1.32 .59	30-2030 30-2030 30-2030 30-2030	1.12 1.12 1.12 1.12	32-7253	1.47	32-1331 32-1332	.35 .41	32-1329 32-1237	.82 .82	32-.333	.26	42-5202 42-5204 42-5200 42-5205 42-5208	.35 .29 .32 .32 .24	34-2039 34-2039 34-2039 34-2039 34-2039	09 .09 .09 .09 .09
H	Hup. 1934	38-5534	1.06	30-4142	.44	32-7104	.68	28-8214	.68	28-8214	.68	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	42-5125	.82	6608	.06
H-122	Hup. 1934 Pack. 1935	38-5851 38-6022	1.00 1.06	30-4208 30-4208	.50 .50	32-7104 32-7104	.68 .68	28-8214 28-8214	.68 .68	28-8214 28-8214	.68 .68	30-2015 30-2015	1.18 1.18	32-7098 32-7098	1.41 1.41	32-1462 32-1463	.65 .65	32-1471 32-1449	.82 .82	32-1222 32-1222	.26 .26	42-5125 42-5125	.82 .82	34-2039 34-2039	.09 .09
J	Stude. 1934 Nash 1934	38-5606 38-5606	1.00 1.00	.....		32-7215 32-7215	.53	28-8169 28-8181	.76 .65	28-8170 28-8182	.76 .74	30-2072 30-2072	1.47 1.47	32-7216 32-7216	1.53 1.53	32-1331 32-1332	.65 .41	32-1329 32-1237	.82 .82	32-1333 32-1333	.26 .26	27-5041 27-5040	.18 .18	6608 or 34-2039	.06 .09
N	Ford 1934	33-5067	1.00	.....		32-7233	.59	28-8241	.59	28-8242	.59	30-2030	1.12	32-7232	1.41	32-1331 32-1332	.65 .41	32-1329 32-1237	.82 .82	32-1333	.26	42-5166	.13	34-2038	.08
Q	Nash 1934 Stude. 1934	38-5606 38-5606	1.00 1.00	30-4180 30-4180	.44 .44	32-7215 32-7215	.53 .53	28-8182 28-8169	.74 .76	28-8182 28-8170	.74 .76	30-2072 30-2072	1.47 1.47	32-7216 32-7216	1.53 1.53	32-1331 32-1332	.65 .41	32-1329 32-1237	.82 .82	32-1333 32-1333	.26 .26	27-5041 27-5040	.18 .18	34-2031 34-2031	.07 .07
R	Chr.6 Dod. Ply. Hup. 1934	38-5534	1.06	.....		32-7215	.53	28-8234 28-8211	.59 2.00	28-8234 28-8214	.59 .68	30-2072 30-2072	1.47 1.47	32-7216	1.53	32-1331 32-1332	.65 .41	32-1329 32-1237	.82 .82	32-1333	.26	42-5208 42-5176	.24 .29	6608 or 34-2039 34-2031	.06 .09 .07
T2	All 1935 Models Ply. 35 Dod. 35 Chry. DeSoto Hup. 1935	33-5088	1.00	30-4138	.53	32-7254	.59	28-8317 28-8317 28-8317 28-8319 28-8359	.59 .59 .59 .74 .74	28-8318 28-8318 28-8318 28-8320 28-8360	.59 .59 .59 .68 .74	30-2107	1.09	32-7315	1.41	32-1535 32-1536	.65 .41	32-1538 32-1449	.94 .82	32-1537	.32	28-2498 28-2497 28-2500 28-2496 28-2798	.53 .50 .59 .59 .44	34-2039	.09
T3	Pierce Arrow '35 Reo '35 Stude '35	38-6297	1.15	30-4243	.44	32-7215	.53	28-8341 28-8317 28-8336	.59 .59 .74	28-8341 28-8318 28-8336	.59 .59 .74	30-2105	1.18	32-7216	1.53	32-1535 32-1536 32-1535	.65 .41 .65	32-1538 31-1449	.94 .82	32-1537	.32	27-5084 28-2206 27-5073	.21 .18 .12	34-2040	.09
T6	Ford '35	33-5067	1.00	30-4243	.44	32-7233	.59	28-8331	.68	28-8332	.56	30-2030	1.12	32-7232	1.41	32-1536	.41	32-1329 32-1237	.82 .82	32-1537	.32	42-5302	.26	34-2039	.09

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World Radio History

Philco Replacement Parts for *Standard* Philco *Auto* Radios

Radolek's Determined Policy Is "Wholesale Only" to Radio Servicemen and Radio Dealers

(Asterisks or Numbers in Parenthesis Following Part Numbers Refer to Notes on Page 137)

Your Customers Do Not Have the Radolek Profit Guide

Philco Receiver	Volume Control & Switch Assembly		Tone Control		Filter Choke		Control Shafts Tuning		Control Shafts Volume		Filter Condenser		Power Transformer		R. F. Transformer		I. F. Transformers		Osc. Transformers		Dial Assembly		Pilot Lamp	
Model Number	Philco Number	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price
3	4463**	$1.06	RADOLEK		.....		4507	.38			.....		.....		4401A 4401B 4401B 3775B	$0.59 .44 .44 .50	RADOLEK				4461	$0.26	6608	$0.06
5	33-5009	1.00	.....		.....		28-8006	.71	28-8007	.71	30-2008	1.06	32-7030	1.32	32-1152	.29	30-1080 32-1087	.35 .38	32-1085	$0.26	27-5006	.18	6608	.06
6	7525	1.06	.....		RADOLEK		6128	.71	6129	.71	05324	.71	.....		06914 06915	.41 .38	06932 05970	.50 .59	06916	.56	8255	.18	6608	.06
7	6109	1.06	.....		.....		6128	.71	6129	.71	.....		.....		04348 04509	.53 .35	04352 04353	.79 .79	04508	.71	6043	.18	6608	.06
8	7322	1.06	05366	.44	.....		6128	.71	6129	.71	RADOLEK		.....		04348 04509	.53 .35	04352 04353	.79 .79	04508	.71	6043	.18	6608	.06
9	7525	1.06	05366	.44	.....		6128	.71	6129	.71	04959	.53	.....		06914 06915	.41 .38	06932 05970	.50 .59	06916	.56	8255	.18	6608	.06
10	Dir. Drive 38-5280 Airplane 38-5511	1.00 1.00	30-4056	.44	32-7038	.68	28-8139 (Air Plane 28-8206)	.65 .73	28-8141 (Air Plane 28-8206)	.71 .74	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	27-5022 42-5173	.18 .29	6608	.06
10-122	38-5851	1.00	30-4056	.44	32-7104	.68	28-8206	.73	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	42-5173	.29	34-2039	.09
11	Dir. Drive 38-5606 Airplane 38-5534	1.00 1.06	.....		32-7215	.53	28-8139 (Air Plane 28-8206)	.65 .73	28-8141 (Air Plane 28-8206)	.71 .74	30-2072	1.47	32-7216	1.53	32-1331 32-1332	.35 .41	32-1329 32-1237	.82 .82	32-1333	.26	Dir. Drive 27-5038 Air. 42-5175	.18 .24	6608	.06
12	7525	1.06	05366	.44	.....		6128	.71	6129	.71	04959	.53	RADOLEK		04348 04509	.53 .35	04352 04353	.79 .79	04508	.71	8255	.18	6608	.06
700	38-5534	1.06	30-4180	.44	32-7215	.53	28-8206	.73	28-8206	.74	30-2072	1.47	32-7216	1.53	32-1331 32-1332	.35 .41	32-1329 32-1237	.82 .82	32-1333	.26	42-5189	.29	34-2031 34-2039	.07 .09
800	Dir. Drive 38-5606 Airplane 38-5534	1.00 1.06	30-4142	.44	32-7104	.68	28-8139 (Air Plane 28-8206)	.65 .73	28-8141 (Air Plane 28-8206)	.71 .74	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29 .38	32-1236 32-1237	.82 .82	32-1222	.26	Dir. Drive 27-5022 Air. 42-5173	.18 .29	6608	.06
800-122	38-5851	1.00	30-4220	.47	32-7104	.68	28-8206	.73	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1462 32-1463	.65 .65	32-1471 32-1449	.82 .82	32-1222	.26	42-5191	.24	34-2039	.09
802	38-5851	1.00	30-4208	.50	32-7104	.68	28-8206	.73	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1462 32-1463	.65 .65	32-1471 32-1449	.82 .82	32-1222	.26	42-5255	.24	34-2040	.08
805	**38-6635	1.00	.....		32-7351	.53	28-8354	.74	28-8354	.74	30-2115	1.41	32-7352	1.76	32-1655 32-1656	.74 .44	32-1650 32-1651	1.18 1.18	32-1657	.44	27-7835	.15	34-2039	.09
806	**38-6605	.88	33-5101	.50	32-7351	.53	28-8354	.74	28-8354	.74	30-2109	1.47	32-7352	1.76	32-1618 32-1619	.74	32-1621 32-1622	1.03 1.90	32-1620	.44	27-7835	.15	34-2039	.09
808	**38-6636	1.00	33-5096	.50	32-7104	.68	28-8354	.74	28-8354	.74	30-2112	1.18	32-7352	1.76	32-1618 32-1619	.74	32-1621 32-1630	1.03 2.06	32-1620	.44	27-7835	.15	34-2039	.09
809	**38-6605	.88	33-5096	.50	32-7351	.53	28-8354	.74	28-8355	.82	30-2109	1.47	32-7352	1.76	32-1618 32-1619	.74	32-1621 32-1622	1.03 1.90	32-1620	.44	27-7835	.15	34-2039	.09

Tone Control Shafts for Models 808 and 809—21" Long. Philco number 28-8356. **Your Price, 74¢**——28" Long. Philco number 28-8358. **Your Price, 74¢**
Number 28-8354 is 21" long. Number 28-8355 is 28" long.

Radolek Is the Only Radio Distributor with a Complete Listing of Genuine Philco Replacement Parts. The Confidential Low Net Prices on These Pages Are for Your Use Only. The Radolek Catalog Is Intended for Distribution Only to Radio Servicemen and Dealers. Depend On Radolek.

THE RADOLEK COMPANY

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World Radio History

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91 (Early)	6499	.58	04787	.44	2-4916(1) 6706 & 30-2025(2)	$0.88 .91 .74	04830	.53	6554(1) 6557(2)	3.06 3.53	6064	1.03	4819	1.06	04317 04409	.47 .47	04319 04320	$0.53 .53	04408	$0.71	04832(58)	$0.26	6608	$0.06
91 (Late)	8054	.88	04787(7)	.44	2-4916(1) 2-7558(2)	.88 .73	04830	.53	6554(1) 6804(2)	3.06 3.23	6064	1.03	4819	1.06	32-1069 32-1070	.44 .29	04319 04320	.53 .53	05985	.29	RADOLEK		6608	.06
95	3790	.91	RADOLEK		.....		3754	4.41	3752	4.70	3537	1.85	3422	1.76	3744A 3744B 3744C 3744C	.88 .71 1.06 1.06	RADOLEK		.....		3794(12)	.12	3463	.06
96	4093	.82	04787	.44	.....		3754	4.41	3752	4.70	3537	1.85	3422	1.76	3744A 3744B 3744C 3744C 3775B	.88 .71 1.06 1.06 .50	.....		.....		4118(12)	.24	3463	.06
111	4093	.82	04787	.44	RADOLEK		3754	4.41	4446	5.49	3537	1.85	3422	1.76	3884S 3884T 3884V	.47 .32 .59	03038 03039 03040	.53 .59 .53	3884U	.53	4276(12)	.15	3463	.06
112 (2-45's)	4093	.82	04787	.44	.....		3754	4.41	4446	5.49	3537	1.85	3422	1.76	3884S 3884T 3884V	.47 .32 .59	03038 03039 03040	.53 .59 .53	3884U	.53	4276(12)	.15	3463	.06
112 (2-47's)	4093	.82	04787	.44	4916	.88	03489	1.23	5594	5.49	5662	1.90	5643	1.06	3884S 3884T 3884V	.47 .32 .59	03038 03039 03040	.53 .59 .53	3884U	.53	4276(12)	.15	3463	.06
118	33-5024*	.85	30-4186	.44	30-2025 30-2045	.79 1.06	30-2078	1.44	32-7111	3.97	32-7114	1.76	32-7115	1.06	32-1378 32-1379	.59 .41	32-1381 32-1424	.88 .94	32-1380	.41	31-1205	.29	6608	.06
144	33-5068*	.85	30-4168	.44	30-2026	.70	30-2073	1.85	32-7234	2.50	RADOLEK		32-7018	.88	HF 32-1271 BC 32-1270	.41 .32	32-1369 32-1306 32-1307	.88 .53 .47	HF 32-1273 BC 32-1272	.21 .41	31-1206(63)	.74	6608	.06
200	33-5071*	.88	30-4196	.44	30-2069 30-2080	1.12 1.09	30-2046	1.09	32-7258	4.41			32-7056	1.29	32-1420 32-1421 32-1422	.35 .26 .53	32-1403 32-1403 32-1404	.74 .74 .74	32-1423	.26	31-1255	.35	6608	06
201	33-5071*	.88	.....		30-2080 30-2069	1.09 1.12	30-2046	1.09	32-7258	4.41			32-7018 32-7056	.88 1.29	32-1481 32-1482	.44 .59	32-1483 32-1483 32-1484	.68 .68 .76	32-1504	.41	31-1205	.29	34-2040	.09
470	5039	1.06	04757	.29	4916	.88	RADOLEK		5117	3.82	.....		4819	1.06	03082 03083	.44 .38	03091 03092	.53 .59	03084	.35	03031 03890	.44 .35	3463	.06
490	5724	.58	04787	.44	4916	.88	03327	.71	5362	3.68	.....		4819	1.06	03360 03014 03015	.38 .29 .35	03009 03345	.62 .53	03016	.35	03031 03890	.44 .35	3463	.06
511	3076	.72	.....		.....		Z-406	5.88	3073	4.41	.....		Z-224	2.50	3075B 3075A	.71 .71	.....		RADOLEK		3047(12)	.06	6608	.06

See Following Pages for a Complete Listing of Philco Auto Radio Parts

Radolek's Policies Help Make Your Business More Profitable

Explanatory NOTES for Philco *Home* and *Auto* Radio Parts Listing

R. F. and I. F. Transformers are listed in the order they appear in circuit diagrams.

You Can Depend on Radolek for All Your Radio Requirements

* Switch is included with Vol. Control.
** Vol. Control only. Switch is part No. 4705.
(1) One-Speaker sets.
(2) 2-Speaker sets.
(3) LZX only; code 222 is 42-1031; code 121 is 42-1019.
(4) Code 222.
(5) Code 122.
(6) Code 123 uses two 30-2014.
(7) Models with bass comp: 06698.
(8) Code 123 (RX).
(9) Code 123.
(10) Code 221.
(11) Code 223.
(12) Scale only.
(13) Code 121.
(14) Code 122 and 123.
(15) Code 121 (two used).
(16) Run 14 & 15: 30-4168; run 16 & after 30-4204
(17) Code 123: 31-1077.
(18) Code 123: 31-1115.
(19) Code 125.
(20) Code 126 & 7.
(21) Code 123: 31-1078.
(22) After run 6, use one 30-2045 in place of these two.
(23) Code 123: 31-1117.
(24) Code 124-5 (LZ&LZX).
(25) Code 129 (LZ).
(26) Run 3 and after: 30-4168.
(27) Code 221: 6895.
(28) Code 123 or 223: {05988. 06146.
(29) Code 123 or 223: 05987.
(30) {Code 123 or 223: 06144. Code 125: 06523.
(31) Code 123 or 223: 05992.
(32) Code 123: 31-1118.

Radolek Leads in the Public Address Field

(33) Code 123 & 223: {05726. 05727.
(34) Code 123 & 223: 05728.
(35) Code 123 & 223: {05829; after 10/19/32: 06359.
(36) Code 123 & 223: {05811; after 10/19/32: 06358.
(37) Before run 4: 32-1116.
(38) Before run 4: 32-7046.
(39) Run 6 and after: 42-1043.
(40) Run 6 and after: {32-1304. 32-1305.
(41) Before run 3: 30-4013.
(42) Before run 3: 05153.
(43) Code 123 or 223: {05988. 05989.
(44) Code 123 or 223: 05987.
(45) Two-speaker sets: 6457.
(46) Code 123 or 223: 05986. Code 125: 06581.
(47) Code 123, 223 & 125: 05992.
(48) Above run 12: 06888; with dial to 170: 32-1125
(49) Above run 12: 06887; with dial to 170: 32-1120
(50) With dial to 170: 31-1031.
(51) With dial to 170: 31-1032.
(52) Before run 4: 05794.
(53) Before run 4: 05828.
(55) After run 2: 32-1289.
(56) Before run 5: 31-1010.
(57) Code 123 & 223: 05982.
(58) Code 123 & 223: 05992.
(59) Code 126.
(60) Later Prod: 31-1290.
(61) Code 125: 42-1078.
(62) Code 125: 31-1358.
(63) Code 125: 31-1363.
(64) Code 125: 34-2031.

Make Radolek Your Source of Supply for Radio Repair Parts, Testing Equipment, Radio Receivers, Public Address Systems and Accessories

World Radio History

PHILCO *HOME* RADIO REPLACEMENT PARTS *(Continued From Previous Pages)*

RADOLEK

(Asterisks or Numbers in Parenthesis Following Part Numbers Refer to Notes on Page 137)

RADOLEK

Philco Receiver	Volume Control		Tone Control		Electrolytic Condensers		Filter Condenser		Power Transformer		Input or Audio Transformer		Filter Choke		R. F. Transformer		I. F. Transformers		Osc. Transformers		Dial Assembly		Pilot Lamp	
Model Number	Philco Number	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price
60	33-5006*	.85	30-4008	.29	7558	.73	30-4063(41)	.50	8046	2.06	.....		.....		32-1047	.38	32-1304 (40) 32-1305 (40)	.38 .32	32-1048	.44	31-1090	.21	6608	.06
65	3528	.71	RADOLEK		.....		3515	7.94	3516	4.41	3537	1.85	3422	1.76	3506B 3506A	.65 .88	.....		RADOLEK		3398(12)	.06	3463	.06
66	33-5006*	.85	30-4212	.29	30-2021	.68	30-2079	1.41	8046	2.06	.....		32-7018	.88	32-1412	.50	32-1414 32-1415	.59 .59	32-1413	.35	31-1234	.18	6608	.06
70	5039	1.06	04757	.29	4916	.88	04559	.71	5117	3.82	.....		4819	1.06	03082 03083	.44 .38	03091 03092	.53 .59	03084	.35	03031	.44	3463	.06
70 (AVC)	6015	.58	04757	.29	4916	.88	04559	.71	5117	3.82	.....		4819	1.06	04339 04185	.53 .35	04190 03038	.29 .53	04186	.71	03031	.44	3463	.06
71	6499	.58	04787(42)	.44	6453 4916 6706	.88 .91	05324	.71	6454(45)	2.65	.....		.....		04339(43) 04185(43)	.53 .53	04190 04319	.29 .53	04186 (44)	.71	01832(47)	.26	6608	.06
76	3879	.58	.....		RADOLEK		3870	4.41	3868	5.29	3872	1.47	3422	1.76	3884A 3884B 3884C 3884C	.53 .38 .59 .59	RADOLEK		.....		3794(12)	.12	3463	.06
77	4094	1.06	04787	.44	.....		3870	4.41	3868	5.29	3872	1.47	3422	1.76	3884A 3884B 3884C 3884C	.53 .38 .59 .59	.....		.....		4118(12)	.24	3463	.06
80	33-5006*	.85	.....		7467	.62	30-2025	.79	7421	1.91	.....		RADOLEK		05831(48)	.29	06100	.88	05832 (49)	.47	05828(51)	.15	6608	.06
81	33-5002*	.58	.....		7467	.62	30-2025	.79	7421	1.91	.....		.....		32-1030	.35	06100	.88	32-1031	.53	27-5003	.09	6608	.06
84	33-5055*	.85	.....		.....		30-2013	1.15	32-7180	2.12	.....		.....		32-1310	.24	32-1313	.52	32-1311	.24	27-5031(12)	.09	6608	.06
86	3076	.82	RADOLEK		.....		3246	10.00	3271	4.41	3242	1.18	3269	2.50	3075B 3075A	.71 .71	.....		.....		3047(12)	.06	6608	.06
87	3076	.82	.....		.....		3401	8.23	3400	4.41	3242	1.18	3422 3472	1.76 2.50	3075B 3075A	.71 .71	.....		.....		3398(12)	.06	3463	.06
89 (Early)	33-5004*	.85	06764	.29	30-2026 8166	.70 .62	06624	.53	8046	2.06	RADOLEK		.....		06619 06662	.32 .32	06621 06622	.35 .71	06620	.53	31-1590	.24	6608	.06
89 (With Police)	33-5007	.58	06764	.29	30-2026 8166	.70 .62	06624	.53	8046	2.06	.....		.....		32-1062 32-1063	.41 .29	06621 (55) 06622	.35 .71	06620	.53	31-1025	.21	6608	.06
90 (2-45's)	5039	1.06	04787	.44	4916	.88	RADOLEK		4938	4.41	4952	1.62	4819	1.06	03013 03014 03015	.44 .29 .35	03009 03143	.62 .71	03016	.35	03031	.44	3463	.06
90 (1-47)	5724	.58	04787	.44	4916	.88	.....		5362	3.68	.....		4819	1.06	03360 03014 03015	.38 .29 .35	03009 03345	.62 .53	03016	.35	03031	.44	3463	.06
90 (2-47's)	6015	.58	04787	.44	4916	.88	04407	.71	6072	3.68	6064	1.03	1819	1.06	04317 04408	.47 .71	04319 04320	.53 .53	04409	.47	03031	.44	3463	.06

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30	4093	.82	04787	.44	.....		.....		.....		3242	1.62	3518	1.94	4182A 4182B 4182B 4182B	.44 .71 .71 .71	.....		.....		03031	.44	5316	.13
32	33-5063	.58	06764	.29	30-2026 30-2014	.70 .88	.....		32-7218	2.91	.....		32-7213	.94	32-1062 32-1063	.47 .29	32-1289 06622	.35 .71	06620	.53	31-1025	.21	4567	.06
34	33-5064*	.85	30-4152(26)	.29	.....		30-4151	.59	.....		7233	1.03	.....		HF 32-1271 BC 32-1270	.41 .32	32-1341 32-1341 32-1342	.79 .79 .79	HF 32-1273 BC 32-1272	.21 .41	31-1162	.74	5316	.13
35	5317	1.06	04757	.29	.....		.....		.....		5315	1.32	5314	1.23	03320 03083	.53 .38	03009 03092	.62 .59	03321	.35	03031	.44	5316	.13
37	7239	1.06	RADOLEK		.....		03915	.76	.....		7233	1.03	.....		05726 05727	.38 .32	05697 05698	.71 .75	05728	.47	05811	.24	5316	.13
38	33-5017	.58	.....		.....		03915	.76	.....		7233	1.03	.....		32-1208	.29	32-1251 32-1252	.62 .62	32-1209	.44	31-1084	.21	5316	.13
38 (Code 123)	33-5094	.58	.....		.....		03915	.76	.....		7233	1.03	.....		32-1518	.35	32-1290 32-1291	.32 .32	32-1519	.35	31-1408	.18	5316	.13
40	4056	.58	04787	.44	.....		4067	3.88	.....		3872	1.47	3422	1.76	3884A 3884B 3884C 3884C	.53 .38 .59 .59	.....		.....		3794(12)	.12	3463	.06
41 & 42	4094	1.06	04787	.44	.....		4067	3.88	RADOLEK		3872	1.47	3422	1.76	3884A 3884B 3884C 3884C	.53 .38 .59 .59	.....		.....		3794(12)	.12	3463	.06
43	6892*	$0.85	05174	$0.29	4916	$0.88	05239	$0.71	7074(27)	$2.65	.....		5930	$1.03	05189 05624	$0.35 2.30	05185 05185 05185	$0.38 .38 .38	05184	$0.85	05418	$0.38	6608	$0.06
44	33-5025*	.85	30-4080	.29	30-2026	.70	30-2079	1.41	32-7137	2.31	.....		5930	1.03	HF 32-1270 BC 32-1271	.32 .41	32-1274 32-1306	.32 .53	HF 32-1273 BC 32-1272	.21 .41	31-1107	.65	6608	.06
45	33-5097*	.85	30-4178	.44	30-2030	1.12	30-2079	1.41	32-7226	2.50	.....		32-7018	.88	32-1360	.35	32-1362 32-1363 32-1364	.88 .88 .91	32-1361	.38	31-1208	.26	6608	.06
46	4141	1.06	.....		RADOLEK		4860	3.00	.....		4862	1.18	.....		3884X 3884Y 3884Y	.47 .38 .38	RADOLEK		.....		4209B	.29	3463	.06
47	6499	.58	04757	.29	.....		05003	2.47	.....		6064	1.03	6712 5314	.88 1.23	04339(28) 05093(28)	.53 .26	05094 05095	.35 .35	04186 (29)	.71	04832(31)	.26	6608	.06
48	6415*	.58	.....		.....		05569	.71	.....		.....		4819	1.06	05848 05849	.38 .32	03887 03887	.88 .88	06665	.50	05811	.24	6608	.06
49	33-5059*	.85	30-4043	.44	.....		04357 30-4140	.44 .47	.....		32-7211	1.32	32-7213 32-7018	.94 .88	32-1379 32-1427	.41 .53	32-1381 32-1424	.88 .94	32-1428	.41	31-1205	.29	4567	.06
50	5232	1.06	.....		4916	.88	03459	.88	5266	2.50	.....		RADOLEK		03283 03284 03284	.53 .53 .53	.....		RADOLEK		03322	.35	3463	.06
51 & 52	6415	.58	.....		4916	.88	03915	.76	5266	2.50	.....		.....		03880(33) 03881(33)	.53 .53	03887 03886	.88 .71	03882 (34)	.62	04031(36)	.26	3463	.06
53	33-5001*	.85	.....		30-2000 30-2001	.71 .73	30-4000	.71	.....		.....		32-7001	.47	32-1000	.29	32-1002	.47	32-1001	.47	28-1021(12)	.04	.....	
54	33-5010*	.85	.....		30-2002 30-2001	.76 .73	30-4023	.71	.....		.....		32-7036	.53	32-1117	.88	32-1115 32-1195 (37)	.47 .53	32-1118	.71	RADOLEK		4567	.06
57	33-5011*	.85	.....		30-2013	1.15	30-2013	1.15	32-7064(38)	1.91	.....		.....		32-1153	.35	32-1155	.71	32-1168	.50	27-5085(12)	.09		
58	33-5057*	.85	.....		30-2013	1.05	30-2013	1.15	32-7064(38)	1.91	RADOLEK		.....		32-1153	.35	32-1155	.71	32-1168	.50	27-5023(12)	.09	6608	.06
59	33-5057*	.85	.....		30-2013	1.15	30-2013	1.15	32-7064(38)	1.91	.....		.....		32-1388	.26	32-1155	.71	32-1389	.24	27-5048(12)	.09	6608	.06

Philco Home Radio Replacement Parts — Continued On Next Page

World Radio History

GENUINE PHILCO REPLACEMENT PARTS FOR ALL PHILCO *HOME* RADIOS

RADOLEK *(Asterisks or Numbers in Parentheses Following Part Numbers Refer to Notes on Page 137)* RADOLEK

Philco Receiver	Volume Control		Tone Control		Electrolytic Condensers		Filter Condenser		Power Transformer		Input or Audio Transformers		Filter Choke		R. F. Transformers		I. F. Transformers		Osc. Transformers		Dial Assembly		Pilot Lamp	
Model Number	Philco Number	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price
14 (Early)	8054	$0.88	06698	$0.44	4916(1) 7558(2)	$0.88 .74	04830	$0.53	6804	$3.23	6064	$1.03	4819	$1.06	05984 05985	$0.32 .29	04319 04320	$0.53 .53	05983	$0.44	06817	$0.21	6608	$0.06
14 (With Police)	8054	.88	06698	.44	30-2024 30-2025	.65 .79	30-2007	.53	6804	3.23	6064	1.03	4819	1.06	32-1069 32-1070	.44 .47	04319 04320	.53 .53	05983	.44	31-1026	.21	6608	.06
14 (Late)	33-5024*	.85	30-4073	.44	30-2003	.56	30-2022(6) 30-2025	.59 .79	32-7111	3.97	32-7057	2.06	32-7115	1.06	32-1261 32-1256	.41 .32	32-1263 32-1264	.38 .38	32-1262	.38	31-1118(8) 31-1026(5)	.65 .21	6608	.06
15 (Early)	7050(10) 8054(11)	.58 .88	04787(10) 30-4004(11)	.44 .44	6706 & 30-2025(10) 4916(11)	.91 .79 .88	03489	1.23	6672	4.41	5662	1.92	3422	1.76	04981 04982 05033	.32 .24 .38	03038 04979 03345	.53 .32 .53	04983	.29	1276(12)	.15	6608	.06
15 (Later)	8054	.88	04787	.44	4916	.88	03489	1.23	6672	4.41	6064	1.03	3422	1.76	32-1143 32-1144 32-1145	.59 .59 .59	03038 04979 03345	.53 .32 .53	04983	.29	1276(12)	.15	6608	.06
16 (Codes 121-2-3)	33-5022*	.85	30-4069(16)	.44	30-2069(15) 6706 & 7558(5)	1.12 .91 .73	30-4026	2.12	32-7058(14) 32-7080(13)	3.68 3.18	32-7057	2.06	32-7056	1.29	HF 32-1183 BC 32-1182	.29 .32	32-1186 32-1186 32-1188	.38 .38 .38	HF 32-1185 BC 32-1184	.35 .21	31-1058(18)	.71	6608	.06
16 (Codes 125-6-7)	33-5022*	.85	30-4204	.44	30-2078 30-2023(19) 30-2069(20)	1.43 .65 1.12	30-2045(19) 30-2046(20)	1.06 1.09	32-7291(19) 32-7283(20)	4.12 4.12	32-7057	2.06	32-7056	1.29	32-1467 32-1468	1.47 1.35	32-1188 32-1470 32-1188	.38 .59 .38	32-1469	1.41	31-1363	.44	34-2031	.07
17	33-5023*	.85	30-4070	.44	30-2078 30-2023(19) 30-2069(20)	1.43 .65 1.12	30-2045(19) 30-2046(20)	1.06 1.09	32-7058(14) 32-7080(13)	3.68 3.18	32-7057	2.06	32-7056	1.29	32-1170 32-1171	.50 .50	32-1173 32-1174	.53 .44	32-1172	.53	31-1066	.29	6608	.06
18 (Codes 121-2-3)	33-5024*	.85	30-4073	.44	6706(22) 30-2025 30-2003(22)	.91 .79 .56	30-2029	1.09	32-7111	3.97	32-7114	1.76	32-7115	1.06	32-1255 32-1256	.32 .32	32-1288 32-1258	.32 .32	32-1257	.35	31-1066(32)	.29	6608	.06
18 (124)	33-5069	.58	30-4073	.44	30-2025	.79	30-2045	1.06	32-7111	3.97	32-7114	1.76	32-7115	1.06	32-1396 32-1397	.35 .29	32-1288 32-1258	.32 .32	32-1398	.26	31-1207	.29	6608	.06
19 (Early)	33-5004	.85	30-4003	.44	8095 8095	.62 .62	06624	.53	8046	2.06	RADOLEK		.....		06619 06622	.52 .32	06621 06622	.35 .71	06620	.53	06697(5) 06766(13)	.32 .29	6608	.06
19 (With Police)	33-5000	.85	30-4003	.44	30-2026 8166(9)	.70 .62	06624	.53	8046	2.06	.....		.....		32-1062 32-1063	.41 .29	06621 06622	.35 .71	06620	.53	31-1028(9) 31-1024(24) 31-1025(59)	.21 .24 .21	6608	.06
19 (Code 128)	33-5000	.85	30-4003	.44	30-2026	.70	30-2062	1.53	32-7170	2.65	.....		RADOLEK		32-1062 32-1063	.41 .29	32-1315 06622	.32 .71	06620	.53	31-1025 31-1024(25)	.21 .24	6608	.06
20	4094	1.06	RADOLEK		RADOLEK		1235	2.65	4234	4.12	4232	1.32	4231	1.06	3884N 3884P 3884P	.53 .62 .62	RADOLEK		.....		1209B	.29	3463	.06
21	4094	1.06	.....		4818	1.06	RADOLEK		4813	4.12	4232	1.32	4819	1.06	3884N 3884P 3884P	.53 .62 .62	.....		RADOLEK		1209B	.29	3463	.06
28	33-5066*	.85	30-4211	.44	30-2083	1.00	30-2083	1.00	RADOLEK		.....		6658 32-7018	.88 .88	32-1360	.35	32-1362 32-1363 32-1364	.88 .88 .91	32-1361	.38	31-1208	.26	4567	.06
29	33-5097*	.85	30-4178	.44	30-2026	.70	30-2073	1.85	32-7229	3.09	.....		32-7018	.88	32-1360	.35	32-1362 32-1363 32-1364	.88 .88 .91	32-1361	.38	31-1208	.26	6608	.06

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World Radio History

ALL-WAVE ANTENNA KITS

New PHILCO All Wave Antenna

A Dual Aerial for Reception at Maximum Efficiency on All-Wave or Dual-Wave Receivers.

Reduces Interference on All-Wave Bands. Combines two aerials, connected through an Antenna Transformer to a Low Impedance Transmission line Lead-In. Scientifically engineered. Has real merit that can be definitely demonstrated. Philco advertising makes it easy for you to sell.

3F2093—Complete kit less set transformer. List Price, $5.00. **YOUR PRICE .. $2.94**

3F2046—Set transformer Only. List, $1.75. **YOUR PRICE $1.03**

The Kit Includes:

1—17 ft. and 1—43 ft. length Str. 7/22 bare copper wire soldered to—75 ft. twisted pair transmission cable of No. 22 stranded copper wire, rubber covered and with overall braid;
1—Weather-proof Antenna Transformer.
1—Set transformer with switch;
1—Doublet lightning arrester;
2—Nail knobs;
2—Porcelain insulators;
1—Porcelain wall tube; Instructions.

Two Separate Aerials

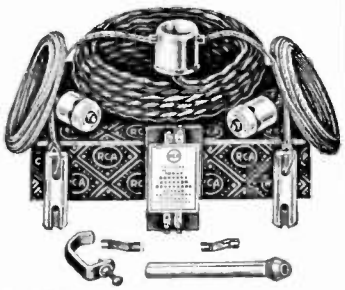
Two lengths of aerial are used—one 17 feet long which tunes the 20 meter band (15 mc.)—the other 43 feet long; is an untuned aerial for efficient reception of all other frequencies. A weatherproof Antenna Transformer efficiently matches either section of the aerial to the low impedance transmission line. Pickup of noise by lead-in is eliminated. A Set Transformer adjusts the Antenna System through a two position switch for short waves or standard broadcast.

New RCA RK-40 Single Doublet

Antenna System Completely Assembled

For reception of short-wave or Broadcast on All-wave or Dual-Wave Sets.

Consists of a special doublet type antenna which employs two aerials—one leg 19 ft. long and the other 49 ft. long—connected to an antenna junction box. A duplex transmission lead-in is wired to antenna box and coupled to receiver through a set coupling transformer. All connections are securely soldered. Factory assembling make installations easy. RCA national advertising makes it easy for you to sell.



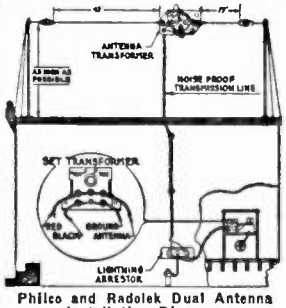
Price List

3J2085—Model 9631. Complete as illustrated with hermetically sealed antenna junction box and receiver coupling unit. List Price, $5.50. **YOUR PRICE $3.30**

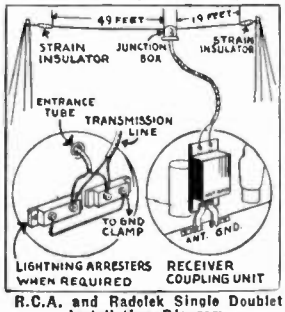
The Kit Includes:

Antenna assembly comprising: 1-19′ and 1-49′ roll of 7/24 bare copper antenna wire; 75′ roll twisted pair transmission cable of gauge 20 stranded tinned copper wire, rubber insulated, with weather-proof braid overall; Junction Box to which the two antenna wires and the transmission line are connected; Receiver Coupling Unit with two Links for attachment to "Ant." and "Gnd." terminals or clips on radio receiver; Two Nail-on porcelain knobs; Porcelain tube Lead-in Insulator; Ground Clamp. Two strain insulators attached to ends of aerial. Instructions and installation diagram. Completely assembled. Every connection is securely soldered.

Radolek, R.C.A. and Philco All-Wave Aerials Improve Reception



Philco and Radolek Dual Antenna Installation Diagram.



R.C.A. and Radolek Single Doublet Installation Diagram.

Radolek, R.C.A. and Philco All-Wave aerials intensify weak signals and eliminate noise and local interference on all bands. With these high efficiency aerials more stations on all bands can be received. For use with any A.C. or battery operated All-Wave or Dual-Wave receiver.

Radolek All-Wave Dual Antenna System

3F2097—List Price, $7.50 **YOUR PRICE..... $3.27**

A dual aerial for reception at maximum efficiency of short-wave or broadcast on All-Wave or Dual-Wave Receivers.

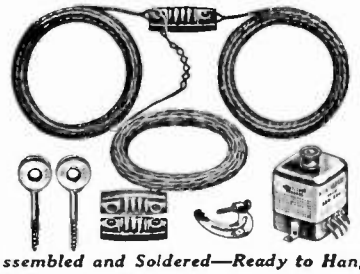
Two lengths of aerial wire are employed—one of 17′ and the other 43′. The shielded weather-proof Antenna Transformer correctly matches either section of the aerial to the low impedance lead-in. The Set Transformer permits adjusting the antenna through a two position switch for either regular broadcast or for short-waves. Installation diagram giving all details shown above.

The Kit Includes:

1—18′ and 1—45′ roll of stranded 7/22 bare copper wire; 75′ twisted pair transmission cable of rubber-covered No. 22 stranded copper wire with overall weather-proof braid; 1—Antenna Transformer; 1—Set Transformer; 1—Doublet Lightning arrester; 2—Nail knobs; 2 Porcelain insulators; 1—Porcelain wall tube; Instructions.

We guarantee that the quality of materials supplied and efficiency of Radolek All-Wave Antenna systems equal or surpass that of similar kits advertised at higher prices.

Radolek All-Wave Doublet Antenna System



Assembled and Soldered—Ready to Hang

3F2090—Kit Less Set Coupler. List Price, $2.50. **YOUR PRICE..... 97¢**

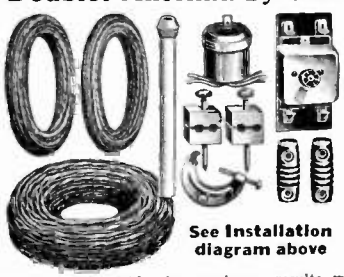
3F2091—Kit with Set Coupler. List Price, $3.50. **YOUR PRICE..... $1.79**

3F2092—Set Coupler Only. List Price, $1.50. **YOUR PRICE..... 84¢**

For the reception of short-waves and broadcast with All-Wave or Dual-Wave receivers. The doublet antenna construction greatly increases the strength of the short-wave signals. Two 22-ft. aerials are connected to a weather-proof twisted pair lead-in which is connected to the receiver through a shielded set coupling transformer. The signal is brought down without loss of energy or interference pickup. A manual capacity adjustment on set coupler permits compensation for all antenna and receiver impedance variations.

Contents of Kit: 2—25′ lengths of No. 16 solid enameled copper wire; 35′ of Duplex Lead-in of No. 19 solid enameled copper wire double cotton served with braid overall; 1—Receiver Coupler; 3—Porcelain Insulators; 2—3″ Stand-off Insulators; 1—Ground Clamp; Instructions.

Radolek 1936 Model Single Doublet Antenna System



See Installation diagram above

Guaranteed to provide the maximum results with any All-Wave or Dual-Wave radio under all receiving conditions.

Exactly duplicates the performance of higher priced nationally advertised single doublet systems. Aerials employed and installation details are illustrated in above diagram. A shielded weather-proof, antenna junction box matches the aerials to the dual transmission line giving additional noise reduction on standard broadcast. Receiver coupling unit has switch for Broadcast or Short Wave reception.

3J2096—Complete as illustrated with hermetically sealed antenna junction Box and receiver coupling unit. List, $5.00. **YOUR PRICE $2.49**

The Kit Includes:

1-20′ and 1-50′ roll of 7/24 bare copper wire; 75′ roll twisted pair transmission cable of gauge 20 stranded tinned copper wire, rubber insulated, with weatherproof braid overall; Antenna Junction Box; Receiver Coupling Unit; Two Nail-on porcelain knobs; Porcelain tube Lead-in Insulator; Two porcelain strain Insulators; Ground Clamp. Instructions and installation diagram.

Variable Impedance Matching Antenna Unit Rejects Noise

For Use with Any Aerial Using a Two Conductor Lead-In

Matches any type of aerial using a two conductor lead-in to any All-Wave or Dual-Wave receiver. The desired signal is increased and interference eliminated. Perfect matching of the aerial and transmisson to the input circuit of the receiver results in maximum signal strength on all-waves without noise. The proper impedance is selected by turning antenna unit knob. Simple to install and operate. Housed in a completely shielded polished aluminum case.

3F2098—List, $2.50. **YOUR PRICE..... $1.47**

Every Radolek Antenna Packed in a Colored Display Carton

All models of Radolek Antenna Systems are packed in sturdy, attractive, two color cartons. These display cartons help you sell Radolek Antennas. **Sell Radolek Antenna Systems at the full list prices plus your installation charge.**

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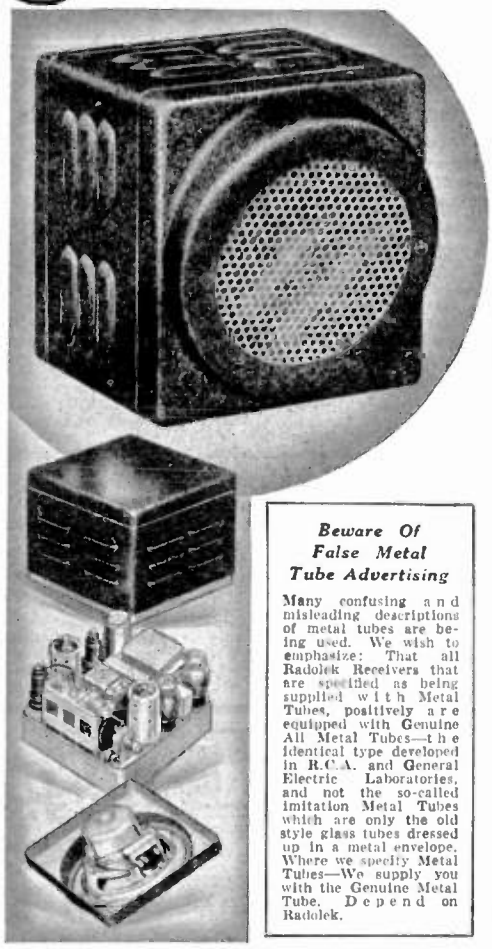
World Radio History

6 TUBE Compact Metal Tubes AUTO RADIO

No Other Auto Radios Have All These 25 Outstanding Features In Such Compact Form



7 Features That Assure Finest Reception

- New Advanced Balanced Superheterodyne Circuit.
- One Stage of R.F. Preceding First Detector.
- New Iron Core Antenna Coil.
- 175 Kc. Double Tuned I.F. Transformers.
- 6½" "Jumbo" Dynamic Fine Quality Speaker.
- 1 Microvolt Sensitivity.
- 10 Kc. Selectivity.

7 Features That Assure Noiseless Operation

- New R.F. Filament Filter.
- New R.F. Plate Filter.
- Special Vibrator "Hash" Filter.
- New Motor Noise Filter.
- Exclusive Double Shielded Diode Transformer for Transformer Hum Elimination.
- Shielded and Impregnated Power Transformer.
- No Suppressors Required.

6 Features That Assure Ease In Installation

- Sturdy Single Hole Mounting.
- Compact — Fits Any Car — Mounts on Any Dash.
- Mounts in Any One of Four Selective Positions.
- Only 1 Battery Connection.
- Jack Provided For Overhead or Rear "Twin Speaker".
- Only 1 Aerial Connection.

6 Features That Assure Dependable Construction

- Heavy Gauge Rust-Proof Sturdy Steel Casing.
- Spot Welded Wherever Possible Insuring Rigidity.
- All Fixed Condensers Securely Strapped To Chassis.
- Special Sure-Grip Sockets Keep Tubes and Plug-in Vibrator Securely In Place.
- Husky Variable Condenser.
- Completely "Dust Proofed".

Beware Of False Metal Tube Advertising

Many confusing and misleading descriptions of metal tubes are being used. We wish to emphasize: That all Radolek Receivers that are specified as being supplied with Metal Tubes, positively are equipped with Genuine All Metal Tubes—the identical type developed in R.C.A. and General Electric Laboratories, and not the so-called imitation Metal Tubes which are only the old style glass tubes dressed up in a metal envelope. Where we specify Metal Tubes—We supply you with the Genuine Metal Tube. Depend on Radolek.

Compact Single Unit "Quick Service" Construction —Smart, Modern Appearance—handsome, round cornered, crystal-finished sturdy metal case that fits any car. 7½" Wide x 7" High x 8¼" Long.

The Greatest Auto Radio Value

9 Tube Performance At 6 Tube Economy

The most compact 6 Tube Auto Radio ever built! Absolutely the "top" in 6 tube Auto Receivers. No other set offers so many exclusive features . . . so much value for your Auto Radio Dollar. A masterpiece of auto radio engineering bringing to you for the first time, Metal Tubes in a Mobile Receiver. The new powerful Superheterodyne Circuit, Dual-Purpose and Triple-Purpose Tubes, coupled with the 25 OTHER FEATURES described above brings you Greater Sensitivity, Finer Selectivity, Greater Tone Range, Better Fidelity, More Stations and Tremendous Power not found in any other 6 Tube Auto Radio. You get 9 tube efficiency at 6 tube economy. Sell this Receiver with complete confidence . . . it has no superior. All Electric—operates entirely from 6 volt car storage battery . . . low current consumption. A newly developed Antenna Circuit permits automatic adjustment to any type aerial. Extremely high ratio of Signal to noise level and improved Sensitivity. Positive Selectivity—stations on adjoining channels definitely separated, no overlapping, no interference. Full Automatic Volume Control—minimizes fading and holds the volume to the selected level. Illuminated Airplane Dial—makes station selection easy and certain. Simple to operate.

Price 6 Tube Auto Radio

BJ10160—Complete with 6 Raytheon 4-Pillar Tubes: 1-6K7, 1-6F6, 1-6D6, 1-6A7, 1-75, 1-84; Flexible Shaft and Control Mechanism;—Installation Hardware. The mounting Kit for the control mechanism which is required additionally is not included. See description and listing below.

List Price, $44.50.

YOUR PRICE **$23.85**

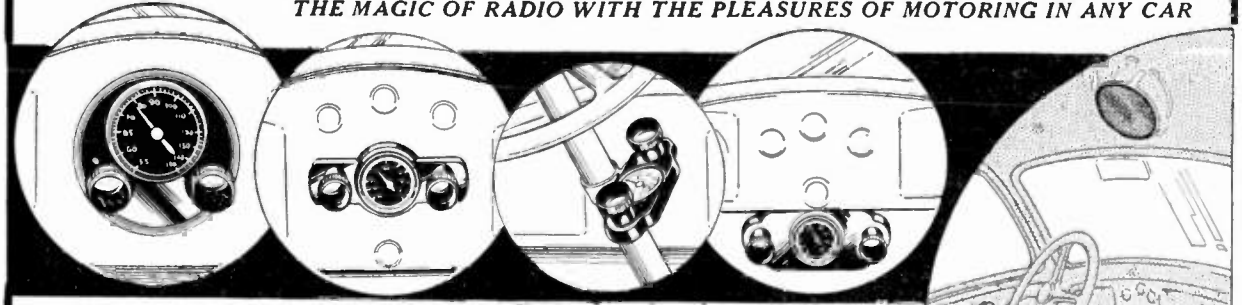
Perfect Tone Quality

The large full size 6½ inch Dynamic Speaker is mounted at a pre-determined angle and is not parallel to any of the sides of the car radio cover or chassis; thus eliminating microphonics and resonance and assuring true perfect tone, equal to finest home radios.

Twin Speaker Installations

Open up a new field for additional profits. Be the first in your territory to offer this profitable service. See bottom of this page.

THE MAGIC OF RADIO WITH THE PLEASURES OF MOTORING IN ANY CAR



Remote Control Mounting Kits

3J6875—Dash Mounting Kit for all cars that have knockout panels or ash tray compartments in the dash panel. Specify make, model and year of car when ordering. (See illustration 2 for typical mounting on 1936 Chevrolet and Pontiac).

3J6876—Universal Type Mounting Kit to fit any steering column or can be fastened to lower edge of instrument panel on all makes and models of cars. (See Illustrations 3 and 4).

3J6877—Special Mounting Kit for mounting Remote Control directly on front of instrument panel where car manufacturer has not provided an ash tray or knockout panel. Just drill two holes for easy mountings.

Price of Kits Complete. List, $2.00.

YOUR PRICE, EACH ..... **95¢**

Twin Speaker Installations

For Use with Radolek 6 Tube Auto Radio

A separate Deluxe Dynamic Speaker specially designed for individual overhead ear-level installation or can also be mounted in rear of front seat affording complete radio enjoyment for all occupants. A separate plug-in jack provided on receiver case permits a speedy and convenient addition of a twin speaker installation. These speakers add greatly to the pleasure of Auto Radios.

14J10510—For installation in the roof of car above windshield. For Dodge and Plymouth. Complete. Ready to plug-in. 1936 models. List Price, $6.50.

YOUR PRICE .. **$3.45**

14J10511—For installation in roof of late model Chevrolet, Pontiac, Oldsmobile, Buick, 1936 Ford and also for installation in back of front seat on all cars. Complete. Ready to plug-in. List Price, $6.50.

YOUR PRICE .. **$3.45**

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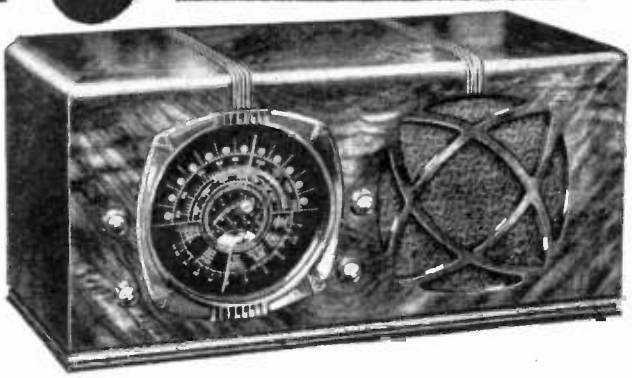
6 TUBE A.C. ALL-WAVE 3 BAND SUPERHETERODYNE



Foreign and Domestic Broadcasts
Amateurs—Airplanes—Police Calls

- 17 to 51, 52 to 174, 175 to 565 Meters
- Superhet Circuit—Two Stages of I.F.
- 12 Tuned Circuits—10 Kc. Selectivity
- 5 Microvolt Sensitivity On All Bands
- Dual Purpose Tubes—3 Gang Condenser
- 8" Airplane Dial—6½" Dynamic Speaker

This 6 Tube A.C. All-Wave 3 Band Superhet Using Two Stages of High Gain I.F. Amplification and Dual Purpose Tubes is positively the most sensitive and selective six tube radio offered today. This is the only Six Tube Receiver using Two Stages of I.F. Amplification. Absolutely no dead or insensitive spots on the dial affording finest Foreign Shortwave and Standard Broadcast reception. High tuning ratio of giant Dial mechanism and long pointer sweep gives the ultimate in Band S-P-R-E-A-D tuning. Sell this receiver to enthusiastic radio "fans" and "hams" with full confidence that the performance will meet their every requirement—the most critical buyer will be satisfied.

New Style Cabinet

The newest design in this type of Receiver. A brand new Cabinet of ultra-modern styling. Actually a large Deluxe receiver. Its unique style and pleasing proportions make this the perfect ensemble for the table, mantel, commode or desk—Entire front panel and top is of attractively figured burl walnut with the sides finished in a slightly darker shade. Fine hand-rubbed "Piano" finish. Size: 20¼"x10"x9" deep.

BJ10956—Complete with Raytheon Tubes. List Price, $45.00. YOUR PRICE **$24.65**

Giant 8" Airplane Dial

Giant 8" Illuminated Dial—with red, green and white coloring for individual distinction of each band. Zone tuning permits easy and quick reference tuning of both foreign and local stations. The larger dial spreads out the stations and makes fine hairline accurate station tuning possible.

Superhet Circuit

New advanced Superhet Circuit with 2 stages of I.F., 12 tuned Circuits and a 3 Gang Tuning Condenser brings positive 10 Kc. Selectivity and 5 Microvolt Sensitivity on all bands. Automatic Volume Control—Permits silent tuning-in of desired station and prevents fading on distant stations. 6½" Super Dynamic Speaker: Clear, powerful tone.

Metal Tubes

2-6K7, 1-6Q7 all metal tubes and 1-6A8G, 1-5Y3G, 1-6F6G glass type tubes with the new octal 8 prong base. These glass tubes are interchangeable with all-metal tubes. Variable Tone Control—For adjusting the radio to receive each type of program at its best. The finest performing 6 tube Radio we have ever offered. For 110 Volt 50-60 cycle A.C. Current Operation.

5 TUBE A.C. DUAL-WAVE

- Tunes 2 Bands
- 44 to 136 and 175-565 Meters
- Gets All Police Calls, Amateurs, American, Mexican, Canadian and some Foreign Stations
- Tone Control
- A.V.C.
- Dynamic Speaker

For 105-120 Volt 50-60 Cycle A.C. Operation.

BJ10965—Complete with 5 Raytheon Tubes. YOUR PRICE **$16.75**

Beauty and Harmony

Here's a new conception of how the wonders of radio should be physically groomed. A new style Table Model Receiver not only startling but also enormously appealing. New Beauty in the matched hand-rubbed selected walnut woods. . . New Harmony in the soft blending of highlights and Shades of finish—in the craftsman-like construction. This superb creation will lend charm and fit in with the simplest as well as the most luxurious decorative appointments. The four color Illuminated Airplane Dial is a symphony of soft glowing pleasing colors and greatly enhances the beauty of this ensemble. Overall dimensions: 16¾" long, 13" high, 7¾" deep.

Specifications

Superheterodyne Circuit employs 5 tubes: 1-6A7; 1-6D6; 1-75; 1-42; 1-80, including two Double Purpose Tubes, thus giving seven to eight tube performance. Tunes Two Distinct and Separate Bands which cover American, Canadian, and Mexican Broadcasts, All Police Calls and the popular 49 meter Amateur and Foreign Short Wave Band. A Continuously Variable Tone Control. A.V.C. holds the volume at a constant level, thus eliminating fading. Pentode Output delivers clear undistorted signals to a fine quality 5" Dynamic Speaker. Full room volume—Rigid rust-proof chassis—highest quality component parts.

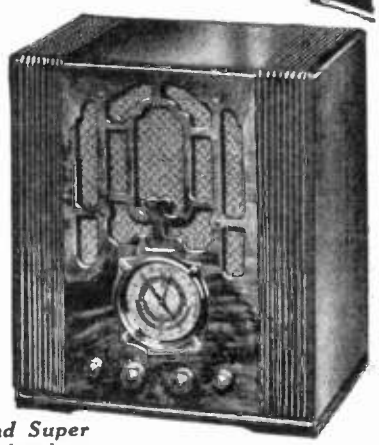
8 TUBE FIVE BAND SUPER

"Covers The World"

- Tunes 5 Bands
- 150 to 22,000 Kc.
- Superhoteredyne
- 8" Dyn. Speaker
- Tone Control
- A.V.C.

For 105-120 Volt 50-60 Cycle A.C. Operation.

BJ10966—Table Model Receiver complete with eight RCA tubes. YOUR PRICE **$35.95**



8 Tube, Five Band Super

Gets every available broadcast service on the air. Tunes five distinct wave bands: 800-2000 Meters—covers Airplane Beacons, Airplane Code, C.W. and Weather Reports; 220-550 Meters—covers entire Regular Broadcast Band; 60-200 Meters—covers entire Police, Amateur and Airplane Bands; 31-60 Meters Domestic and Foreign Short-Wave Stations and the popular 49 meter Amateur Band; 12-31 Meters—covers American and Foreign Short-wave Stations.

Walnut Cabinet

Hand-made in genuine burl walnut with curly maple trim and overlays. Size: 16"x14½"x9½".

Specifications

A Superheterodyne Circuit, new I.F. Coils and a 3 Gang Tuning Condenser provide extreme Selectivity and uniform Sensitivity on all bands. Eight Tubes Used: 1-6A7; 1-75; 1-80; 1-76; 2-6B5; 2-6A7. Dual Purpose Tubes give this receiver 10 to 14 tube performance. Push-Pull 6B5 Output. Automatic Volume Control. A heavy duty 8" Dynamic Speaker insures absolute realism and fidelity of tone. Full Range Tone Control. Large Illuminated Airplane Dial: Calibrated in kilocycle and megacycle markings.

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World Radio History

USING ALL NEW *Metal Tubes*

NEW DESIGN • NEW PERFORMANCE • NEW BEAUTY

Self-Reading Dial

High frequency band is plainly marked with names of Foreign Countries indicating where to find them. Broadcast band has quick index reference markings. Indirect illumination makes all calibrations and pointers appear suspended in a black background. Ratio of 28 to 1 provides complete bandspread tuning ease at all times.

Features

★8 All-Metal Tubes
★Variable Tone Control
★Three Continuous Wave Bands
★Automatic Volume Control (A. V. C.)
★Full Powerful Push-pull Amplification
★5 Microvolt Sensitivity—10 Kilocycle Selectivity
★Radio Robot-Laboratory Alignment of R.F. System
★Phase Inversion Audio Circuit—High Fidelity Respor

More Tubes—Greater Power—Bette

Here is a Receiver GUARANTEED to OUT PERFORM any other sim offered at anywhere near this low price. Great Power, Finest Tone treme Sensitivity, Precise Selectivity, Easy Tuning and Attractive are all combined to make this new 8 All-Metal Tube A.C. Receiver an Outs not approached by any other High Quality Set. Every point on the dial is powerful full-toned reception. Programs from South America, France, Sp Germany, and Asia with all the volume possible and with the original rich fully preserved. Police Calls on the upper band are instantly available. E **modern engineering development is incorporated in this Receiver** bri best possible performance and the greatest value per dollar invested.

Chassis and Circuit Specifications

●**8 All-Metal Tubes—Superheterodyne Circuit.** Triple tuned I. F. coils are used, insuring 10 Kilocycle selectivity and 5 Microvolt sensitivity. Tube types: 1-6C5, 1-6L7, 1-6K7, 2-6Q7, 2-6F6, 1-5Z4.

●**World-Wide Range — Continuous coverage from 17 to 565 meters.** Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls, Amateurs, Airplanes.

●**High Fidelity**—Phase inversion Push-pull audio system for high fidelity response gives new beauty of tone, new depth of color. Assures wide tonal range.

●**Uniform Sensitivity over All Bands**—Five micro-volt sensitivity on every band.

●**Complete Band Spread A** —A giant 8-inch dial with in length and extremely high makes fine hair-line tuning po

●**Powerful Output**—Two p push-pull give more tremen torted output. Power enough for

●**Full Range Tone Contro** adjusting the radio to receive e at its best. Permits brilliant, normal tone. Used also for no on Foreign Stations.

●**Automatic Volume Contr** nates inter-station noise when counteracts fading on distant s

Price Table Model
8 Tubes

$32.75

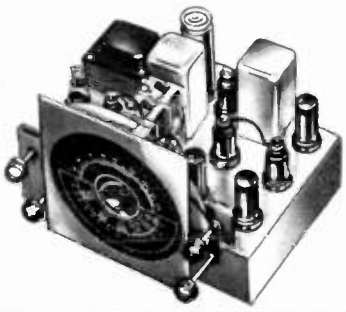
BJ10953—Complete with 8 in. Speaker and 8 Genuine All-Metal Tubes.
List, $64.50.
. . . is Your Price
Lots of 3 Each, $31.77.

Exquisite Table Model

An unusually fine quality cabinet in beautiful modern design. Solid, heavy durable construction. Center panel of richly grained genuine Burl Walnut. Gracefully curved set back top and instrument panel. Sides are of finely grained walnut in a darker contrasting shade. Fine hand-rubbed lustrous piano finish. Perfect acoustic design. True High Fidelity reproduction with all the delicate overtones faithfully preserved. Cabinet size: 18½" high, 14" wide, 9" deep.

Chassis Price
12" Stadium Concert Grand Speaker

BJ10955 — Complete with Eight Genuine All-Metal R. C. A. Tubes and a Concert Grand 12" Dynamic Speaker, Escutcheon, Dial Assembly and Knobs.
Chassis dimensions: 11½"x8½"x7½".
List Price, $72.50.
Your Price **$31.75**



New Radio Robot Finer Foreign Reception

The amazing sensitivity and selectivity of this receiver insures World-Wide reception of broadcast stations from all corners of the earth. The new improved **Radio Robot** which makes this marvelous reception possible contains the heart of the R.F. System. This seemingly human brain is accurately aligned and balanced with laboratory precision instruments before installation in the chassis—then is again balanced to insure maximum sensitivity and selectivity on Broadcast and All Short Wave bands.

Walnut Console Model
8 Tubes

A handsome Console with all the grace and beauty that distinguishes fine furniture. The entire cabinet reveals painstaking care and expert craftsmanship in design and construction. The extra large baffle (15 square feet) and perfect acoustic qualities preserve and intensify the exquisite tone quality of the huge 12" Concert Dynamic Speaker used in this Console. The attractively figured butt walnut instrument panel is a masterpiece of exquisitely blended woods. The butterfly maple pilasters are concave and finished in a contrasting lighter shade. A striped walnut offset top and beautifully grained walnut finished sides are in harmonious keeping with the modern trend. A lustrous elegant hand-rubbed piano finish brings out all the color and beauty of the choice woods. Rich gold silk grille cloth. Console size: 40" high, 22" wide, 11" deep.

Price Console Model

BJ10954—Complete with 8 All-Metal R.C.A. Tubes.
List Price, $89.50.
Your Price **$44.45**
Lots of 3 Each, $42.95

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THE RADOLEK COMPANY

World Radio History

8 Tube Wide Bandspread "High Fidelity Nine"

Finer than the Finest!

Uses All Metal Tubes Exclusively

★World-Wide Range—9 All-Metal Tubes—High Fidelity
★Uniform Sensitivity Over All Bands—Shadow Tuning
★Band Spread Over All Bands—Automatic Volume Control
★Variable Selectivity Control—Full Range Tone Control

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Quality and Tone Plus Foreign Reception

This new Powerful Receiver will outperform any other 9 tube Receiver. Here you get Custom-Built Quality at low cost. If you want a receiver on which you can absolutely depend and guarantee to bring in European, South American, Canadian, Mexican and other Foreign programs and give Superlative Long Range Reception on American Broadcasts. Maximum Sensitivity, Absolute Selectivity and Tone of a faithful quality, then this is Your Receiver. Its superior performance and exquisite beauty are sure to please the most critical buyer. Finest Quality at low cost.

Walnut Table Model

The large Table Model Cabinet sets a new standard in fine radio furniture! Choice Stump Walnut Instrument Panel. Two-tone American walnut gracefully curved pilasters of contrasting grains. Soft hand-rubbed piano finish—all these combine to make this a cabinet of incomparable beauty. Dimensions: 19½" high, 14" wide, 10" deep. A superb cabinet creation.

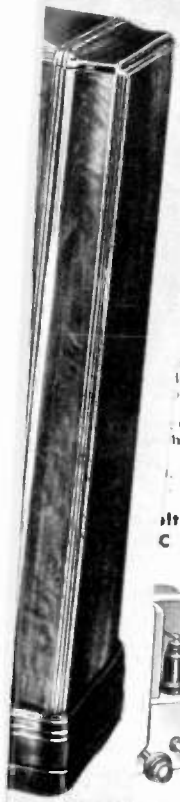
BJ11924—Complete with R. C. A. tubes. List Price, $99.50. Your Price . . . **$46.75**

●**Either the Console Model or Table Model, High Fidelity "Nine" receivers are guaranteed to bring in Foreign reception.**

●**World-Wide Range**—Continuous Coverage from 540 to 18,000 kilocycles. Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls, Amateurs and Airplanes.

●**Band Spread Over All Bands**—Two section knob operates the Band Spread tuning device—"S-P-R-E-A-D-S O-U-T" the most crowded Short Wave Bands for easy accurate tuning . . . makes a difficult Foreign short wave station actually spread out the equivalent of 30 kc. space on dial. Quick, easy and accurate.

●**Airplane Dial**—latest Airplane Type Full-Vision Dial is used in both Console and Table Model Receiver. Has three scales: top scale calibrated for Regular Broadcast. Lower two scales cover 17-55 and 55-157 meters marked in megacycles for Short Wave tuning. Each band is completely illuminated as the smooth, easy to operate band-change switch is turned.



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High Fidelity

●**High Fidelity**—gives new beauty of tone, new depth of color. Uniform characteristics over practically the entire musical range (25 to 8060 cycles) assures the widest tonal range, the most faithful life-like reproduction ever achieved in radio.

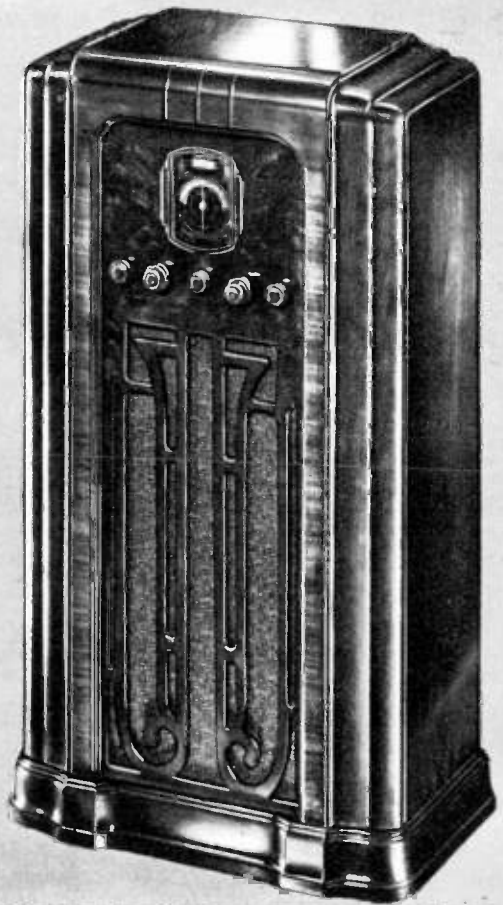
●**Powerful Output**—two power tubes in push-pull give tremendous undistorted output. **A husky 12" Concert Grand Dynamic speaker is used in the console model and a Concert 8" Dynamic speaker in the Table Model Receiver.**

●**Full Range Tone Control**—enables adjusting the radio to receive each program at its best. Permits brilliant, mellow, or normal tone. Used also for noise reducing.

Exquisite Console

Designers, artists and cabinet makers have judged this to be one of the most attractive consoles available today. It is **a quality piece of furniture** worthy of a place in the finest homes. **The extra large baffle and perfect acoustic qualities preserve and intensify the exquisite tone qualities of the High Fidelity "Nine" Receiver.** Center instrument panel and top are of large full grain Walnut. Sides are of American Walnut. The gracefully curved pilasters are of matched Butt Walnut. Instrument panel and sounding board are flanked by vertical columns of horizontal, striped Walnut in a contrasting lighter shade. A lustrous elegant hand rubbed piano finish brings out all the color and beauty of the natural wood grains. Rich gold silk grille. Size: 37" high, 24" wide, 11" deep.

BJ11925—Complete with R.C.A. tubes. List Price, $124.50. Your Price . . . **$52.95**



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World Radio History

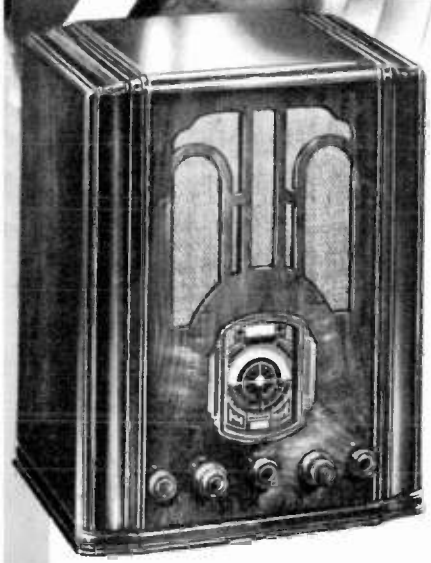
World Wide Bandspread "High Fidelity Nine"

9 Tube

Finer than the Finest!

Uses All Metal Tubes Exclusively

★World-Wide Range—9 All-Metal Tubes—High Fidelity
★Uniform Sensitivity Over All Bands—Shadow Tuning
★Band Spread Over All Bands—Automatic Volume Control
★Variable Selectivity Control—Full Range Tone Control



Quality and Tone Plus Foreign Reception

This new Powerful Receiver **will outperform any other 9 tube Receiver. Here you get Custom-Built Quality at low cost.** If you want a receiver on which you can absolutely depend and guarantee to bring in European, South American, Canadian, Mexican and other Foreign programs and give Superlative Long Range Reception on American Broadcasts, Maximum Sensitivity, Absolute Selectivity and Tone of a faithful quality, then this is Your Receiver. Its superior performance and exquisite beauty are sure to please the most critical buyer. Finest Quality at low cost.

Walnut Table Model

The large Table Model Cabinet sets a new standard in fine radio furniture! Choice Stump Walnut Instrument Panel. Two-tone American walnut gracefully curved pilasters of contrasting grains. Soft hand-rubbed piano finish—all these combine to make this a cabinet of incomparable beauty. Dimensions: 19¼" high, 14" wide, 10" deep. A superb cabinet creation.

BJ11924—Complete with R. C. A. tubes. List Price, $99.50. **Your Price . . .** **$46.75**

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●World-Wide Range—Continuous Coverage from 540 to 18,000 kilocycles. Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls, Amateurs and Airplanes.

●Band Spread Over All Bands—Two section knob operates the Band Spread tuning device—"S-P-R-E-A-D-S O-U-T" the most crowded Short Wave Bands for easy accurate tuning . . . makes a difficult Foreign short wave station actually *spread* out the equivalent of 30 kc. space on dial. Quick, easy and accurate.

●Airplane Dial—latest Airplane Type Full-Vision Dial is used in both Console and Table Model Receiver. Has three scales: top scale calibrated for Regular Broadcast. Lower two scales cover 17-55 and 55-157 meters marked in megacycles for Short Wave tuning. Each band is completely illuminated as the smooth, easy to operate band-change switch is turned.

Circuit Specifications

●9 All-Metal Tubes—Superheterodyne Circuit. Two I.F. Stages are used, insuring wonderful selectivity and sensitivity. Tube types: 3-6K7, 1-6A8, 1-6H6, 1-6C6, 2-6F6, 1-5Z4.

●Uniform Sensitivity over All Bands—fractional micro-volt sensitivity on every band.

●Variable Selectivity Control—permits broad tuning of local stations to enjoy the full range of musical response or knife-edge tuning-in of distant stations without interference. **Ten kilocycle Selectivity.**

●Automatic Volume Control—eliminates inter-station noise and counteracts fading on distant stations.

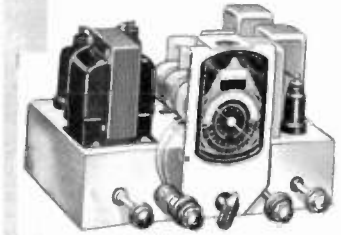
●Shadow Tuning—Visual Accurate tuning by sight rather than depending on the human ear.

Chassis Price

The exceptionally high quality of this Chassis makes it particularly desirable for installation in custom built expensive cabinets. **Complete with Nine All-Metal R.C.A. Tubes and a Concert Grand 12" Dynamic Speaker. Escutcheon, Dial Assembly and Knobs.**

BJ11926—List Price, $104.50. **Your Price $41.50**

For 105-120 Volt 50-60 cycle AC



High Fidelity

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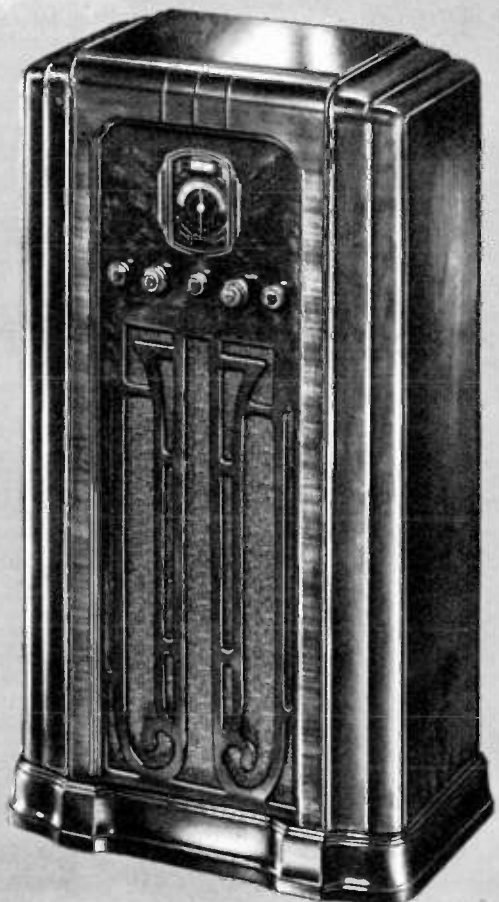
●Powerful Output—two power tubes in push-pull give tremendous undistorted output. **A husky 12" Concert Grand Dynamic speaker is used in the console model and a Concert 8" Dynamic speaker in the Table Model Receiver.**

●Full Range Tone Control—enables adjusting the radio to receive each program at its best. Permits brilliant, mellow, or normal tone. Used also for noise reducing.

Exquisite Console

Designers, artists and cabinet makers have judged this to be one of the most attractive consoles available today. It is **a quality piece of furniture** worthy of a place in the finest homes. **The extra large baffle and perfect acoustic qualities preserve and intensify the exquisite tone qualities of the High Fidelity "Nine" Receiver.** Center instrument panel and top are of large full grain Walnut. Sides are of American Walnut. The gracefully curved pilasters are of matched Butt Walnut. Instrument panel and sounding board are flanked by vertical columns of horizontal, striped Walnut in a contrasting lighter shade. A lustrous elegant hand rubbed piano finish brings out all the color and beauty of the natural wood grains. Rich gold silk grille. Size: 37" high, 24" wide, 11" deep. **BJ11925—Complete with R.C.A. tubes.** List Price, $124.50. **Your Price $52.95**



THE RADOLEK COMPANY

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World Radio History

USING ALL NEW *Metal Tubes*

NEW DESIGN • NEW PERFORMANCE • NEW BEAUTY

8 TUBE

Self-Reading Dial

High frequency band is plainly marked with names of Foreign Countries indicating where to find them. Broadcast band has quick index reference markings. Indirect illumination makes all calibrations and pointers appear suspended in a black background. Ratio of 28 to 1 provides complete bandspread tuning ease at all times.

Features

★8 All-Metal Tubes
★Variable Tone Control
★Three Continuous Wave Bands
★Automatic Volume Control (A. V. C.)
★Full Powerful Push-pull Amplification
★5 Microvolt Sensitivity—10 Kilocycle Selectivity
★Radio Robot-Laboratory Alignment of R.F. System
★Phase Inversion Audio Circuit—High Fidelity Response

More Tubes—Greater Power—Better Tone

Here is a Receiver GUARANTEED to OUT PERFORM any other similar Receiver offered at anywhere near this low price. Great Power, Finest Tone Quality, Extreme Sensitivity, Precise Selectivity, Easy Tuning and Attractive Appearance are all combined to make this new 8 All-Metal Tube A.C. Receiver an Outstanding Value not approached by any other High Quality Set. Every point on the dial is covered with powerful full-toned reception. Programs from South America, France, Spain, England, Germany, and Asia with all the volume possible and with the original rich, sweet tones fully preserved. Police Calls on the upper band are instantly available. **Every newest modern engineering development is incorporated in this Receiver** bringing you the best possible performance and the greatest value per dollar invested.

Chassis and Circuit Specifications

●**8 All-Metal Tubes—Superheterodyne Circuit.** Triple tuned I. F. coils are used, insuring 10 Kilocycle selectivity and 5 Microvolt sensitivity. Tube types: 1-6C5, 1-6L7, 1-6K7, 2-6Q7, 2-6F6, 1-5Z4.

●**World-Wide Range — Continuous coverage from 17 to 565 meters.** Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls, Amateurs, Airplanes.

●**High Fidelity**—Phase inversion Push-pull audio system for high fidelity response gives new beauty of tone, new depth of color. Assures wide tonal range.

●**Uniform Sensitivity over All Bands**—Five micro-volt sensitivity on every band.

●**Complete Band Spread At All Times**—A giant 8-inch dial with increased scale length and extremely high tuning ratio makes fine hair-line tuning possible.

●**Powerful Output**—Two power tubes in push-pull give more tremendous undistorted output. Power enough for a dance hall.

●**Full Range Tone Control** — Enables adjusting the radio to receive each program at its best. Permits brilliant, mellow, or normal tone. Used also for noise reducing on Foreign Stations.

●**Automatic Volume Control** — Eliminates inter-station noise when tuning and counteracts fading on distant stations.

Price Table Model
8 Tubes

$32.75

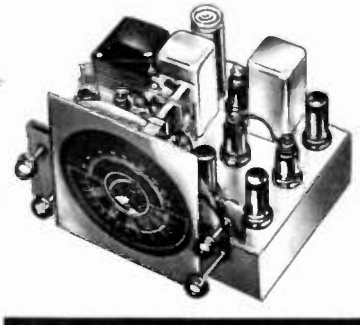
BJ10953—Complete with 8 in. Speaker and 8 Genuine All-Metal Tubes.
List, $64.50.
. . . is Your Price
Lots of 3 Each, $31.77.

Exquisite Table Model

An unusually fine quality cabinet in beautiful modern design. Solid, heavy durable construction. Center panel of richly grained genuine Burl Walnut. Gracefully curved set back top and instrument panel. Sides are of finely grained walnut in a darker contrasting shade. Fine hand-rubbed lustrous piano finish. Perfect acoustic design. True High Fidelity reproduction with all the delicate overtones faithfully preserved. Cabinet size: 18½" high, 14" wide, 9" deep.

Chassis Price
12" Stadium Concert Grand Speaker

BJ10955 — Complete with Eight Genuine All-Metal R. C. A. Tubes and a Concert Grand 12" Dynamic Speaker, Escutcheon, Dial Assembly and Knobs.
Chassis dimensions: 11½"x8½"x7½".
List Price, $72.50.
Your Price **$31.75**



New Radio Robot Finer Foreign Reception

The amazing sensitivity and selectivity of this receiver insures World-Wide reception of broadcast stations from all corners of the earth. The new improved **Radio Robot** which makes this marvelous reception possible contains the heart of the R.F. System. This seemingly human brain is accurately aligned and balanced with laboratory precision instruments before installation in the chassis—then is again balanced to insure maximum sensitivity and selectivity on Broadcast and All Short Wave bands.

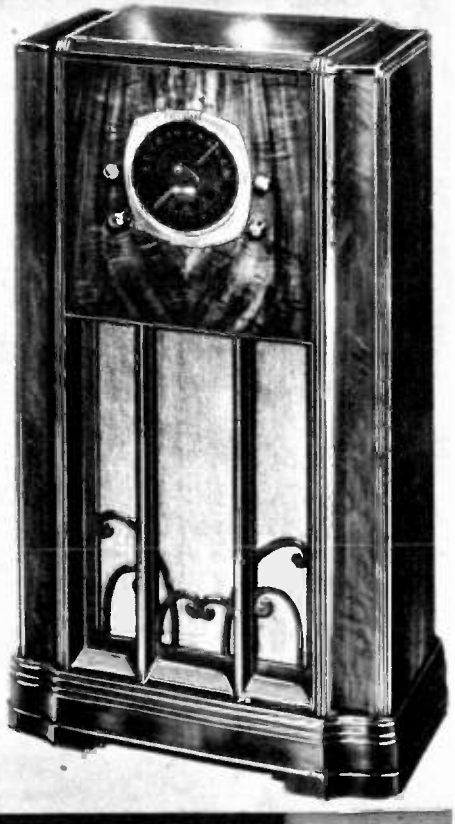
Walnut Console Model
8 Tubes

A handsome Console with all the grace and beauty that distinguishes fine furniture. The entire cabinet reveals painstaking care and expert craftsmanship in design and construction. The extra large baffle (15 square feet) and perfect acoustic qualities preserve and intensify the exquisite tone quality of the huge 12" Concert Dynamic Speaker used in this Console. The attractively figured butt walnut instrument panel is a masterpiece of exquisitely blended woods. The butterfly maple pilasters are concave and finished in a contrasting lighter shade. A striped walnut offset top and beautifully grained walnut finished sides are in harmonious keeping with the modern trend. A lustrous elegant hand-rubbed piano finish brings out all the color and beauty of the choice woods. Rich gold silk grille cloth. Console size: 40" high, 22" wide, 11" deep.

Price Console Model

$44.45

BJ10954—Complete with 8 All-Metal R.C.A. Tubes.
List Price, $89.50.
Your Price . . . . . .
Lots of 3 Each, $42.95



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World Radio History

7 TUBE DeLuxe SUPERHETERODYNES

FOREIGN RECEPTION • TUNES 17 TO 565 METERS

Features

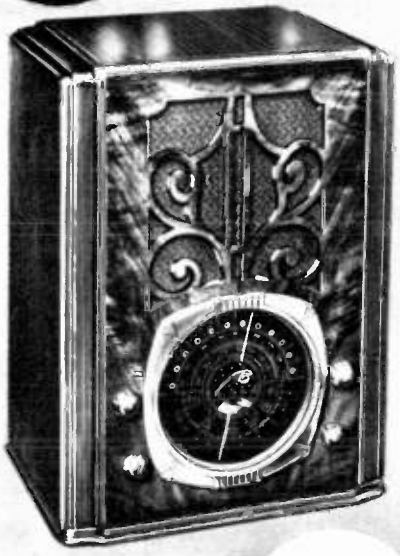
★7 All-Metal Tubes
★Variable Tone Control
★Three Continuous Wave Bands
★Automatic Volume Control (A. V. C.)
★Full Powerful Pentode Amplification
★5 Microvolt Sensitivity—10 Kilocycle Selectivity
★Radio Robot—Laboratory Alignment of R. F. System
★New Designed Audio Circuit—High Fidelity Response

New Giant 8 Inch

Now Fully Illuminated Airplane Dial with 3 bands, each colored in distinctive Red, Green and White, 17 to 51, 52 to 174, 175 to 565 Meters (530 to 18,000 Kc.) accurately calibrated in kilocycles and megacycles, and "Indexed."

Supreme Radio Enjoyment

This bigger, better, more powerful 7 Tube Receiver, with its clearer tone and superselectivity, gives you more enjoyable Short Wave and highest quality Broadcast Reception. Completely covers every type of Radio program from 17 to 565 meters. At every point on the new Giant easy-to-read dial you are assured powerful, full-toned reception. Tunes three continuous wave bands, bringing new delights, greater entertainment with powerful "World-Wide" reception of Foreign stations, Amateurs, Airplanes, and all Police Calls. **The use of seven new type Genuine All-Metal Tubes operating at** peak efficiency in a new Superhet Circuit develops tremendous undistorted power. You will hear every instrument, every voice, every inflection of speech with life-like brilliance of tone superior to that provided by any other receiver in this price class. **Every new feature of proven worth has been incorporated to make this the FINEST Radio Receiver.**



Chassis and Circuit Specifications

●**7 Genuine All-Metal Tubes—Superheterodyne Circuit.** Two audio stages insures high gain and ample power output. Tube types: 1-6C5, 1-6L7, 1-6K7, 1-6F6, 1-5Z4, 1-6H6, 1-6E5.

●**World-Wide Range—3 Band continuous coverage from 17 to 565 meters.** Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls, Amateurs and Airplanes.

●**Uniform Sensitivity Over All Bands**—Five micro-volt Sensitivity on every band.

●**Triple Tuned I.F. Coils—Ten kilocycle separation** between stations.

●**Powerful Output—gives tremendous undistorted output.** A husky **12" Concert Grand Dynamic Speaker** is used in the console model and a Concert 8" Dynamic speaker in the table model.

●**Tone Control**—permits either the bass or treble to be accentuated. Used also for noise reducing on Foreign Stations.

●**Automatic Volume Control**—Eliminates inter-station noise when tuning and counteracts fading of distant stations. Assures fine tone quality even when volume is set unusually low.

Foreign Reception

Tunes three separate Wave Bands. 17 to 51, 52 to 174 and 175 to 565 meters. A convenient switch on the front of the receiver instantly changes the facilities of the set to receive either American Broadcast programs, European Short Wave Stations, or the American Amateurs and Police Calls. Thrill to the romantic music of some faraway country! **Foreign Programs from all over the World at Your Finger Tips!**

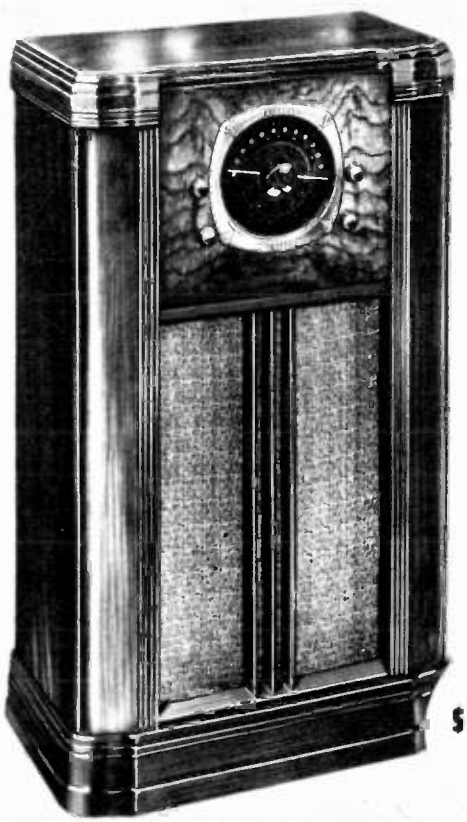
Improved Radio Robot

Provides Uniform intensity of oscillation over the entire three bands. **Permits replacement of tubes in this circuit without effecting the alignment of the circuit. Sharper tuning. Clearer tone.**

Large 40" High Console

7 Tubes

A handsome Console with all the grace and beauty that distinguishes fine furniture. The entire cabinet reveals painstaking care in design and construction. The extra large baffle and perfect acoustic qualities preserve and intensify the exquisite tone quality of this Receiver. Center instrument panel of gorgeously figured stump Walnut. Top is of attractively grained American Walnut. The gracefully curved Walnut pilasters and grille columns are finished in a contrasting darker shade. Walnut finished sides. A lustrous elegant hand-rubbed piano finish brings out all the color and beauty of the natural wood grains. Console size 40" high, 22" wide, 11" deep.



Price Console Model

BJ10942—Complete with 7 Genuine All-Metal R. C. A. Tubes. List Price, $77.50. ... **Is Your Price.** Lots of 3 Each, $38.50

$39.75

Price Table Model

7 Tubes

BJ10940—Complete with 8 in Speaker and 7 All-Metal Tubes. List Price, $54.50. **Your Price.** Lots of 3 Each, $28.95.

$29.95

Walnut Table Cabinet

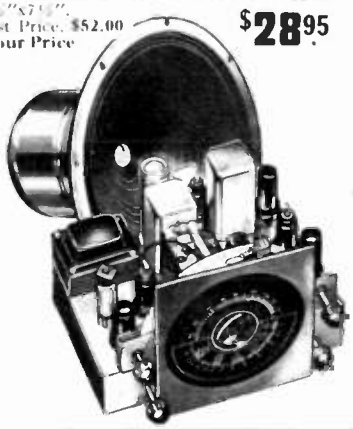
A superb cabinet creation! Top and sides are a beautiful shade of medium Walnut tone, with the front face of beautifully figured Burl Walnut in a contrasting lighter shade. Rich lustrous hand-rubbed finish. This large Cabinet is of solid construction and provides ample baffle area. Dimensions: 18½" high, 13½" wide, 9" deep.

Chassis Price

with 12" Concert Grand Speaker

BJ10941—Complete with Seven Genuine All-Metal R. C. A. Tubes and a Concert Grand 12" Dynamic Speaker (illustrated). **Escutcheon, Dial Assembly and Knobs.** Chassis dimensions: 11½"x 8½"x7½". List Price, $52.00 **Your Price**

$28.95



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World Wide Superheterodyne!

6 TUBE DeLuxe A.C. OPERATED

★Guaranteed Foreign Reception
★Continuous Bands—17 to 51, 52 to 174 and 175 to 565 Meters
★New 5" Three Color Illuminated Airplane Dial. "Zone Tuning"
★Variable Personal Tone Control
★Automatic Volume Control
★Superheterodyne Circuit
★11 Tuned Circuits
★New Metal Tubes
★3-Gang Condenser
★Dynamic Speaker

$29.75

$21.75

Walnut Table Model

BJ10943—Complete with R.C.A. Tubes

List Price, $55.50. Your Price **$21.75**

Lots of 3 ... Each, $20.95

Beautiful Cabinet

This **DeLuxe Table Model Cabinet** is made of carefully selected thick substantial walnut veneers, finely grained and expertly matched, combining quality with beauty, modern style and solid substantial construction. The front panel is of gorgeously figured stump walnut with genuine marquetry inlay. Streamlined overlay on top and front adds grace and charm. Selected walnut finished sides in a contrasting darker shade. Fine quality lacquer finish, hand-rubbed to a lustrous soft brown walnut shade. Cabinet Size: 15½" high, 12½" wide, 8" deep. A fine quality 6" Dynamic Speaker is used in this large full sized Table Model Receiver.

Powerful Output

A **42 Pentode Output Tube** feeding into a full size **Dynamic Speaker** insures fine clear tone and excellent volume over the entire musical range. **Variable Tone Control** permits tonal pitch to be changed to suit individual tastes or acoustical requirements.

Eight Tube Performance

A new 6 Tube A.C. Receiver incorporating all the latest modern radio improvements including two genuine Metal Tubes. Through the use of Dual-purpose tubes this set develops the efficiency of the average 8 tube set and actually outperforms the 10 tube sets of three and four years ago. Your customers will be quick to buy this marvelous new Radio when they see all of its many advantages. Long Range Broadcast reception, Short Wave, Police Calls, Amateurs, at their finger tips—clear reception, beautiful tone, attractive appearance, unmatched low price—of course your customers will want this Super-Value.

Superhet Circuit

The New Advanced Superhet Circuit with **11 Tuned Circuits**, coupled with a **3 Gang Rubber-Mounted Tuning Condenser, High Gain Litz-Wound I.F. Coils**, and a **Pre-Selector Stage** affords **Super-Sensitivity** and **Selectivity** on both Broadcast and Short Wave. **Illuminated Airplane Dial**—vernier ratio—new self-reading station index system—**easy to tune.** A husky **full size Dynamic Speaker** operating in a **High Fidelity Audio Circuit** gives sweet and natural tone over the entire audio frequency range. **Improved Automatic Volume Control** enables you to retain constant volume. Minimizes fading on even the most distant stations. Tubes are: 1-6A7, 1-6D6, 1-42, 1-80, and two new metal tubes, types 6H6 and 6F5. Two dual purpose tubes.

Rugged Chassis

Strong, rigid, durable fully shielded Chassis constructed of highest quality parts. **The Transformers, condensers and resistors are all designed to withstand heavy overloads.** New special pie wound litz I.F. coils. Full floating, rubber-mounted 3 gang tuning condenser. Chassis size: 10¾" x7⅝" x6". Perfect alignment of all parts.

Chassis Price

BJ10944—Chassis Complete with R.C.A. tubes and a Concert Dynamic 8" Speaker. Dial Assembly, Knobs and Escutcheon are included.

Your Price **$19.95**

Impressive Console

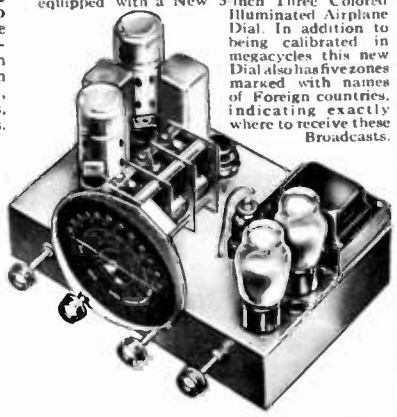
BJ10946—List Price, $65.00. **Complete with R.C.A. Tubes Your Price** **$29.75**

Lots of 3 ... Each, $28.86

The Walnut Console is fitted with an 8" super Dynamic Speaker. This larger speaker mounted on a larger baffle gives truer, more life-like tone. Here you have a fine quality Receiver and a full size Cabinet at the lowest price. The instrument panel is of beautifully blended butt walnut flanked by columns of cross striped walnut. Gracefully curved walnut pilasters and American Walnut top. Sides are Walnut finished in a darker shade. All the beauty of the exquisite grain of these choice woods is retained in the soft brown hand-rubbed finish. Size: 36" high, 20" wide, 10" deep.

Foreign Reception

Tunes 3 Bands—17 to 51—52 to 174—175 to 565 Meters. Gets Foreign Broadcasts, Amateurs, Airplanes and Ships. Long Range Reception on Broadcast and all Police Bands. Both the Table and Console Model are equipped with a New 5 inch Three Colored Illuminated Airplane Dial. In addition to being calibrated in megacycles this new Dial also has five zones marked with names of Foreign countries, indicating exactly where to receive these Broadcasts.



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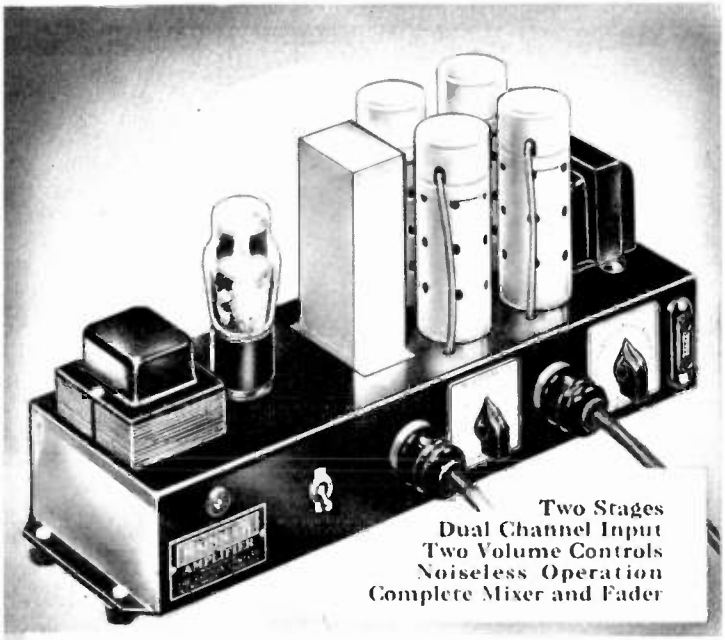
RADOLEK MICROPHONE PRE-AMPLIFIERS

For Modernizing and Improving Old Public Address Systems



Completely A. C. Operated
For 105-120 Volt 50-60 Cycle A. C.

Modernize Your Sound System With Crystal Or Velocity Mikes!

Improve the performance of your Amplifier! Crystal and Velocity Microphones provide a clarity of tone and a high fidelity response that is far superior to that obtained from the old Carbon Microphones. Take advantage of this clearer tone, life-like reproduction, increased sensitivity and greater power afforded by the new Crystal and Velocity Microphones by adding one of these Radolek Microphone Pre-Amplifiers to your present installation. Amplifiers that were designed for Carbon Microphones do not as a rule have the necessary amount of amplification needed to satisfactorily operate Crystal or Velocity Mikes. **These Radolek Pre-Amplifiers, when coupled to your amplifier will supply the additional gain that is needed, enabling you to utilize the greater advantages of Crystal or Velocity Mikes.** Radolek Pre-Amplifiers are fully A.C. operated. Compact in Size, Single Unit Construction and can be operated 5 to 2000 feet away from main Amplifier. Crystal or High Impedance Velocity Microphones can be connected direct to Pre-Amplifier without use of any coupling transformers. Plug-In Outputs and Inputs simplify connections. Output Transformer mounted on Chassis has 500 and 200 ohm taps for line connections of over 25 feet to main Amplifier. High impedance output connection is provided for use when pre-Amplifier is used within 25 feet of main Amplifier. All tube noises, A.C. hum, motorboating and oscillation troubles have been eliminated.

Use Dual Channel Pre-Amplifier For Two Mikes and Phono or Radio

Two Input Channels—5 Tubes—Two Crystal or Velocity Microphones can be amplified through this unit. Will also amplify Phonograph or Radio in conjunction with one of the Microphones. Two Microphones or one Microphone and Phono or Radio can be used at the same time and mixed or faded into each other in any proportion. First control, controls volume on one Microphone. Second control on one half of its revolution, controls volume on second microphone and on the other half controls volume on radio or phonograph. Microphone is amplified through two stages, phonograph through one. This feature gives added phonograph amplification to overcome line losses.

Prices of Dual Channel Pre-Amplifier

Dual Channel Pre-Amplifier. Factory Wired. Laboratory Tested. Instructions included. Complete as described. Less Tubes.

J10040—List Price, **$44.00.**
YOUR PRICE **$23.20**

Complete as described, with Five Sylvania or Raytheon Matched Tubes, 2-75's, 2-6D6's, and 1-80.

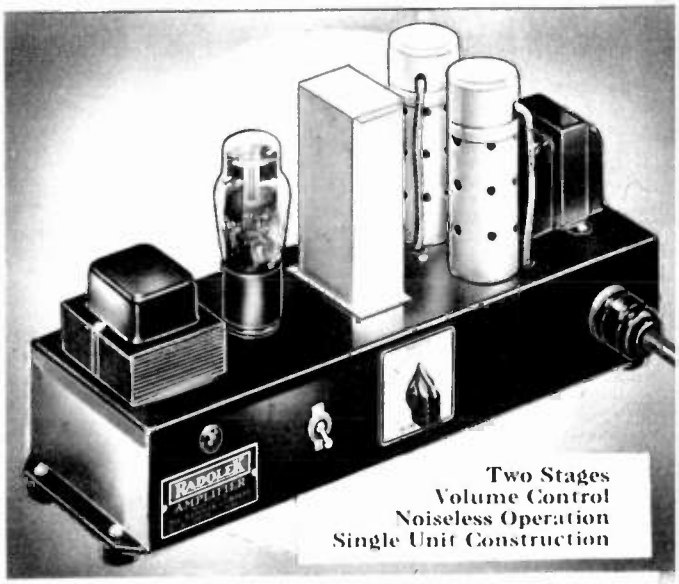
J10041—List Price, **$48.90.** With Five Tubes.
YOUR PRICE **$25.45**

Characteristics and Specifications For Single and Dual Channel Pre-Amplifier

1. **Completely A.C. Operated 105-120 volts 50-60 cycle.**
2. **Single Channel Model Uses 1-75, 1-6D6, 1-80 tubes.**
3. **Dual Channel Model Uses 2-75's, 2-6D6's, 1-80 tubes.**
4. **65 D.B. Gain** at 1000 Cycles. **Two Stages.**
5. **Frequency Characteristic curve flat** within 1 D.B. from 40 to 12,000 cycles.
6. **Dual Channel Model has High Impedance Input. For two Microphones** and Phonograph or Radio.
7. **Single Channel Model has High Impedance Input for one Microphone** only.
8. **Separate Volume Control for each channel.**
9. **Complete Mixing and Fading System** on Dual Channel Model.
10. Etched metal indicating plate under each Control.
11. **Output Impedance 200, 500 and 100,000 ohms** for line or grid connections.
12. **Plug-in Inputs and Plug-in Output.**
13. **Hum level only .1 of 1%** when amplified through regular 3-stage Amplifier.
14. **Power Consumption 27 Watts** for Dual Channel. 25 Watts Single Channel.
15. Power supply required 105-120 Volts 50-60 cycle A.C.
16. Eight-foot super service power connection Cord with unbreakable rubber attaching Plug.
17. **Ruby Pilot Light** indicates when current is on.
18. Bottom Protecting Plate with four rubber feet entirely encloses base.
19. **Rich Baked-on Black enameled finish.**
20. Overall height 7¾", base width 5⅞", length 16".
21. **Net weight 7 lbs.** Shipping weight 10 lbs.

Use Single Channel Pre-Amplifier For One Crystal or Velocity Microphone

Same general construction as Dual Channel Unit excepting that it has only One Channel. While the Dual Channel Unit is the better investment in that it provides for expansion, there are many installations using only one microphone for which this unit will be well suited. **Does not have mixer and fader, but does have volume control for microphone.**



Prices of Single Channel Pre-Amplifier

Single Channel Pre-Amplifier. Factory Wired. Full instructions are included. **Complete as described. Less Tubes.**

J10010—List Price, **$33.25.**
YOUR PRICE **$17.64**

Complete as described, with Three Sylvania or Raytheon Matched Tubes, 1-75, 1-6D6, and 1-80.

J10011—List Price, **$36.00.** With Three Tubes.
YOUR PRICE **$18.92**

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20 WATT MOBILE
Sound Truck
AMPLIFIER

6 Volt Battery Operated

Features: ●For Crystal or Carbon Microphones ●Plug-In Connections ●Microphone Volume Control ●Phono-Radio Volume Control ●Complete Mixer and Fader ●Tone Control ●Completely Self Contained ●Built-In "B" Supply Genemotor ●Noiseless Operation ●Easily Installed ●Separate Switch for Filament and "B" Supply.

REMOTE CONTROL UNIT — Provides complete control over Microphone and Phono-Radio volume. Normally is mounted on Amplifier but is easily detached for mounting on steering column, instrument panel, etc. 4-foot plug-in cable connects unit to Amplifier when used as remote control. Bracket is supplied for steering post mounting.

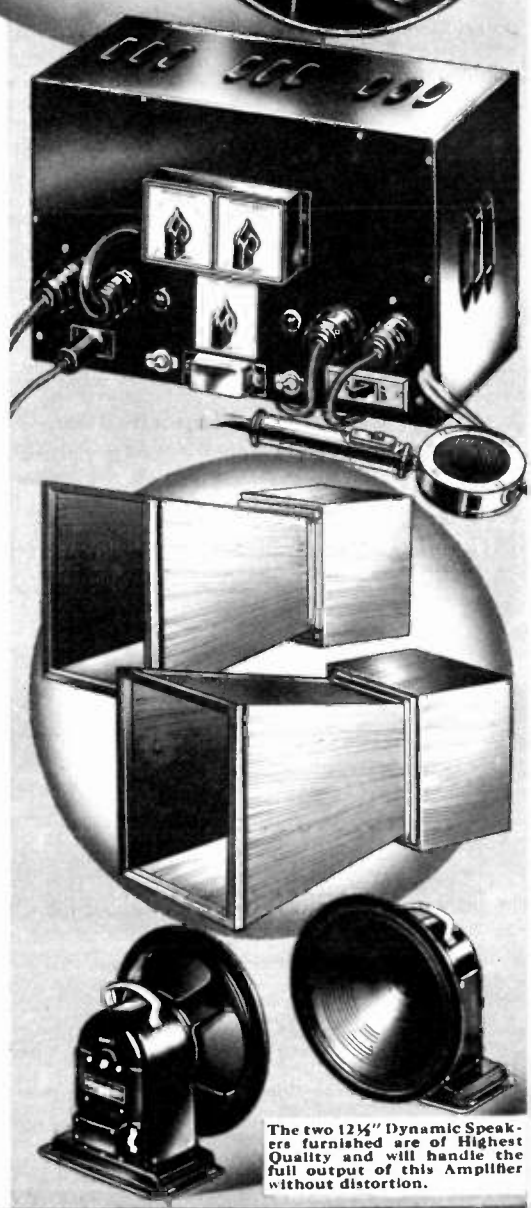
Easy On The Battery

Fits Any Car or Truck

A powerful 20-Watt clear-toned Mobile Public Address System designed specially for passenger car or truck Sound Advertising. Operates directly from a 6-volt Storage Battery, without any extra attachments or power packs of any kind. Two wires to 6-volt Storage Battery are the only power connections necessary for the entire system. Plate current is supplied by a compact, highly efficient **built-in Genemotor.** Incorporates the new **low-drain Class B Audio Tubes**—6A6's—which are the most efficient and economical to operate for this type of amplifier. **Features a Remote Control Unit** that can be mounted on the steering column. Has the "sock" of a super powerful A.C. type system. . . . Delivers tremendous volume with rich life-like tone . . . and it's easy on the battery.

For Crystal or Carbon Microphones

Extremely High Gain of 115 db. allows the use of **either Crystal Microphone or Double Button Carbon Microphone.** The **Built-in Electronic Mixing System** carries **Separate Volume Controls** for microphone and phono or radio, permitting blending and mixing of voice or music as desired. Also includes **Tone Control** and **Dual "On-Off" Switches. Microphone Transformer** and **Current Supply** for Carbon Microphone are built in. . . . **No extra batteries needed.** Polarized receptacles are provided for plugging in microphone, speakers, and "A" cable. Speaker Voice coil and field coil connections are brought out to two plug-in sockets on front of chassis. Speakers obtain field supply direct from storage battery (1½ amps for each speaker). One or two Speakers can be used as desired without changing wiring of Amplifier. Complete Amplifier can be installed or disconnected in only a few minutes. Complete instructions are included.



The two 12½" Dynamic Speakers furnished are of Highest Quality and will handle the full output of this Amplifier without distortion.

SPECIFICATIONS

1. **20 Watts Undistorted Power Output** to speaker voice coils.
2. **Four Stages with Six Tubes;** 1-75, 1-6A6, 2-76's, 2-6A6's.
3. **Approximately 115 D.B. Gain.**
4. **Frequency Characteristic Curve Flat** within 2 D.B. from 40 to 10,000 cycles.
5. **Only .006 volts Input required** to obtain maximum output.
6. **Plug-In Inputs and Outputs.**
7. **Input connections for Crystal or Double Button Carbon Microphone and Phonograph or Radio.**
8. **Built-in Button Current** for Carbon Mike.
9. **Volume Control for Mike.**
10. **Volume Control for Phono-Radio.**
11. **Remote Control Unit** containing volume controls can be mounted on steering gear, front of dash or left on Amplifier.
12. **Complete Mixer and Fader.**
13. **Tone Control.**
14. **Output Transformer** provides voice coil connections for two speakers.
15. **Two Pilot Lights** indicate when power is on.
16. **Two switches;** one controls filaments, the other controls "B" Generator and speaker fields.
17. **Power supply 6 volts, 12 amps.**
18. **Easily renewable glass fuse.**
19. **Parts and Tubes entirely enclosed** providing electrical shielding and mechanical protection.
20. **Entire unit finished in Rich Baked-on Black Enamel.**
21. **Size: 12½" lgth., 8" h, 7" dp.**

Equipment Included

1. **One Diaphragm Type Crystal Hand Microphone** with "push-to-talk" Switch.
2. **20-Watt High Gain Battery Operated Amplifier Complete with Input Control Unit, Remote Volume Control Unit, and "B" Supply Generator**—all mounted in one case.
3. **Complete Set of Six Matched Sylvania or Raytheon Tubes** including 1-75, 3-6A6's, and 2-76's.
4. **Two Finest Quality 12½" D.C. Dynamic Speakers,** 4 ohm fields obtain field supply from 6-volt battery.
5. **Two 3-Ply Veneer Weatherproof Baffles** for above speakers.
6. **20 feet of four wire rubber covered cable** and non-breakable plug attached to each speaker.
7. **10 feet of shielded rubber covered cable** and non-breakable plug for microphone.

Prices of Complete System

J10064 — Complete System as described except with one Speaker and one Trumpet.
List Price, $152.00.
YOUR PRICE **$79.95**

J10063 — Complete System as described with two Speakers and two Trumpets.
List Price, $190.70.
YOUR PRICE **$99.20**

Phonograph suitable for use with this Amplifier is described on page 105 under stock number J10711.

Amplifier Only

J10061 — Amplifier only with built-in "B" Generator but less tubes.
List Price, $80.00.
YOUR PRICE **$42.50**

J10062—With Six Sylvania or Raytheon matched tubes, 1-75, 2-76's, 3-6A6's.
List Price, $87.00.
YOUR PRICE **$45.64**

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Increase The Power of Your Amplifier

60 WATT

with this **AMPLIFIER**

"Booster" STAGE

FOR MAMMOTH SOUND INSTALLATIONS

For 105-120 Volts 50-60 Cycle A.C. Operation

Amplifier Features

★Improved Class "A" Prime ★One Stage
★Push-pull 845's ★Time Delay Switch
★500 Ohm Input ★200-500 Ohm Output
★Four Tubes ★Hum Free Operation
★20 Watt Speaker Field Supply

Price of 60 Watt Amplifier Booster Stage

J10030 — Factory wired, laboratory tested. Without Tubes.
List Price, $115.00.
YOUR PRICE..... **$61.00**

J10031—With Four R. C. A. Tubes, 2-866's, 2-845's.
List Price, $160.00.
YOUR PRICE..... **$105.50**

For Huge Sound Coverage!
Covers An Indoor Audience of Up To 30,000 People
Covers Outdoor Areas From 40,000 to 80,000 Square Feet

True-Toned Super Power

This new Radolek High-Powered 60 Watt Booster Stage offers an inexpensive and satisfactory method of increasing the power output of your present equipment to 60 Watts — more than sufficient for the largest indoor stadium and ample for the majority of mammoth outdoor installations—Such as **Aviation Fields, Fairs, Large Athletic Fields, Stadiums, Political Conventions, Race Tracks and wherever large coverage must be obtained** or a great number of speakers used. At full output sufficient power is developed so that with proper distribution of speakers an **indoor audience of as great as 30,000 people can be covered, or will cover outdoor areas of from 40,000 to 80,000 square feet.** The exact coverage depending upon the prevailing noise levels. Supplies sufficient power to actuate voice coils of 8 giant auditorium dynamic speakers, 12 horn units, 12 auditorium dynamic speakers, 30 average sized dynamic speakers or up to 200 magnetic speakers or any proportionate combination of any of these.

500 Ohm Input Impedance

Can be used with any Audio amplifier having 2 or more stages and an undistorted output of 8 watts or more and having output tap of 500 ohms. We particularly recommend our 15-watt amplifier as a driver, (described on pages 116 and 117), the 8-Watt, 18-Watt crystal, 15-Watt carbon or 40-Watt crystal amplifier can also be used as the driver. Any type of Input can be used depending upon the driver amplifier used. **Speaker field supply is 20 watts** across 2000 ohms, split into 2-1000 ohms taps of 10 watts each. Speaker field power supply for additional speakers must be obtained from external power source. Output is 500 ohms tapped at 200 ohms. Either dynamic cone speakers or dynamic horn units can be used with line to voice coil matching transformer at speaker.

Scientifically Engineered

Do not confuse this amplifier with other units using smaller tubes and contending to give as great an output. The only practical method to date of obtaining a good clean 60 watt output without distortion and with true class "A" amplification is by use of large tubes such as the two 845 Power Amplifier Tubes used in this Amplifier. The use of 8-250's or 8-2A3's is cumbersome, liable to trouble, and is all around poor engineering practice.

Trouble-Free Operation

Two separate transformers are used in power supply, one has two secondaries supplying filament voltage to power and rectifier tubes, the other transformer has a high voltage secondary for plate supply. **Double Time Delay Switch is used.** When switch is depressed filaments light and are allowed to heat properly. When filaments reach correct temperature voltage is applied to plates by second switch which has time lag behind first switch. This offers protection to tubes preventing burnouts. In addition **both transformer primaries are Fused** as is also high voltage plate line offering further protection to tubes, power transformers and filter condensers. **Paper Dielectric Filter Condensers** are used as electrolytics are troublesome and generally unsatisfactory for use at such high voltages. All parts are mounted on a strong rigid 16 gauge steel chassis finished in smooth baked black enamel. Component parts are of ample rating and of best quality insuring a long and efficient life to amplifier. **Ample Ventilation** keeps operating temperature at lowest point for most efficient operation. Layout of parts and efficient shielding of transformers and other important components has reduced hum so low that it is negligible. **A schematic hookup is furnished giving all voltages and values of parts.**

Amplifier Specifications

1. **60 Watts Class A "Undistorted" Power Output to speakers.**
2. Supplies **20 watts for 2-1000 ohm field coils.** (enough field supply for two large dynamic speakers or for two Racon horn units). Connections provided for one or two separate fields.
3. **One Stage with Four Tubes,** 2-845's push-pull, 2-866 rectifiers.
4. **12 D.B. Gain** at 1000 cycles.
5. **Flat frequency characteristic curve** within 1 D.B. from 40 C.P.S. to 9000 C.P.S.
6. **Input Impedance 500 ohms** for direct connection from 500 ohm output of Radolek 8, 15, 18, 30 or 40 watt amplifiers.
7. **Output Impedance 500 ohm** tapped at 200 ohms.
8. **Automatic Time Delay On-Off Switch for protection of tubes.**
9. 63 volts Input required to obtain full output.
10. **Hum Practically Inaudible** 12 inches from speaker with full power.
11. Power consumption 300 watts.
12. Power supply required 105-120 volts 50-60 cycle A.C.
13. **Six-foot** super service power connection **Cord** with unbreakable rubber attaching **Plug.**
14. **Renewable Glass Fuse** in power supply and in plate circuit.
15. **Bottom Protecting Plate** with four rubber feet entirely encloses base.
16. Ample provision for **Ventilation.**
17. **Rich baked-on black enameled finish.**
18. Overall height 13", base width 12½", length 17", height 4½".
19. Net weight 48 lbs., shipping weight 60 lbs.

Easy To Install

Installation is simple, easy and fast. Connections are conveniently made to plainly marked Binding Post Strips.

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BIAS CLASS "A" PRIME

ADDRESS *Amplifier*

FOR ALL GIANT SPORTING EVENTS, DANCES, ETC.

POWERFUL SOUND SYSTEM

Uses 1 TO 4 CRYSTAL OR VELOCITY MIKES

40-Watt High Gain P. A. System Complete Equipment Includes:

1. Two Microphones: Diaphragm Crystal, Sound Cell Crystal, or Velocity, as desired.
2. Two Adjustable Floor Stands with extra heavy base provide a solid support for Microphones. May be extended up to 67½ inches.
3. 40-Watt, 5-Stage High Gain Fixed Bias Crystal Amplifier provides amplification for microphones.
4. Set of Twelve Matched Sylvania or Raytheon Tubes are used including 2-75's, 2-6C6's, 1-6A6, 1-42, 4-2A3's, 1-83, 1-80.
5. Three 12½-inch Finest Quality Auditorium type Speakers using 1000 ohm fields and 1000 ohm line matching transformers.
6. Three Flare type Baffles provide proper baffling.
7. Fifty feet of heavy duty rubber-covered shielded cable with unbreakable shielded polarized connecting plug is furnished for each microphone.
8. Fifty feet of heavy duty rubber-covered cable with polarized plug connected to each speaker.

Price of 40 Watt Public Address System

System as listed above, complete with two diaphragm type High Quality Crystal Microphones
J10046—List Price, **$300.00**
YOUR PRICE **$160.00**

System as listed above, complete with 2 Brush B2S Sound-cell Crystal Microphones. See page 116.
J10060—List Price, **$345.00**
YOUR PRICE **$186.50**

System as listed above, complete with two RB-H Amperite Velocity Microphones. Connect direct to Amplifier without use of coupling Transformers.
J10059—List Price, **$340.00**
YOUR PRICE **$183.50**

Floor stands to fit carrying case listed below can be supplied if desired. Please specify stand required when placing order.

Deduct $11.85 from above prices if baffles are not desired with System.

Amplifier Specifications

1. **40 Watts Undistorted Power Output** to Speaker voice coils; up to 60 Watts can be obtained on peaks). **Fixed bias, class "A" Prime.**
2. **Five Stages, Twelve Tubes:** 2-75's, 2-6C6's, 1-6A6 tube, 1-42, 4-2A3's, 1-83 and 1-80.
3. **Supplies 35 Watts** for 1000 and 1500 ohm Field Coils; **for three large dynamic speakers).**
4. **135 D.B. gain** at 1000 cycles.
5. Flat Frequency Characteristic Curve within 1 D.B. from 40 to 9000 cycles.
6. **Input Connections for four Crystal or Velocity Microphones** and Phono Pickup or Radio through five sockets or 8 terminal binding post strip.
7. **Separate Volume Control** with etched metal indicating plate for each input.
8. **Master Volume Control.**
9. **Separate Tone Control** for each input.
10. **Master Hi-Lo Tone Control** and Power Switch.
11. **Output Impedance tapped** at 3, 6, 12, 18, 250, 500 and 1000 ohms. Connections to bakelite strip.
12. Three Sockets for Plug Connection of 1, 2, or 3 dynamic speakers as desired **without change of wiring.**
13. Only .002 volts Input Signal required to obtain maximum output.
14. **Hum level less than two-tenths of 1% of total output.**
15. Power supply 105-120 volts, 50-60 cycle A.C.
16. Power consumption 185 Watts.
17. Ten-foot super service power connection Cord.
18. Easily Renewable Plug Fuse in power supply.
19. Ample provision for ventilation.
20. Rich baked on black enameled finish.
21. Overall Height 11". Base width 11½". Length 24½".
22. Net weight 46 lbs. Shipping weight 60 lbs.

Velocity Microphones
Use Velocity Microphones for Best Quality in Installations Subject to Acoustical Feed-back or High Background Noises. Ideal for directional pick-up. Ruggedly constructed.

Installation Shield
Provides perfect mechanical protection and allows ample ventilation. Heavy sheet metal perforated. Black enameled.
PA 10047—List Price,
YOUR PRICE **$2.65**

Carrying Case
In three sections for transportation of Amplifier, Microphones, Stands and Cable. Finest Quality. Sturdily constructed of solid plywood covered with durable black fabrikoid.
P.A. 10032—List Price, $16.75.
YOUR PRICE **$9.85**

Easy To Install . . . Simple To Operate:
All connections are through Plugs and Sockets and are so arranged that it is impossible to put any plug into a wrong socket. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt 50-60 cycle A. C. socket, turn on the power switch and the outfit is all set to broadcast. All controls are plainly marked. Comes complete with all instructions so that anyone can make an efficient and creditable installation and operate Amplifier immediately. All controls are on the front panel.

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RADOLEK HI GAIN FIXED

De Luxe PUBLIC

A GIANT AMPLIFIER SUPPLYING GIANT POWER

OUR LARGEST • MOST

FOR 105-120 VOLT, 50-60 CYCLE A. C.

Will Give Super Performance in Installations Such as:
★Large Auditoriums ★Large Dance Halls ★Stadiums
★Race Tracks ★Airports ★Multi-Speaker Installations

Finer Than the Finest

New! Complete! Better! The "top"! The supreme performer of the 40-Watt class. Powerful performance, realistic, true tone and long dependable service . . . at a reasonable price. Years ahead in engineering construction and principles. Specially designed for use where an extra large amount of power or coverage is required. Perfect tone reproduction and super-power handling capacity make this the ideal Public Address System for Huge Crowds—Large Auditoriums — Athletic Fields — Dance Halls — Airports — Race tracks — Multi-Speaker Installations—and hundreds of other uses. Designed, manufactured and tested in our own plant . . . every detail carefully handled by a qualified Sound Engineer . . . this amplifier can be depended upon to out-perform any other 40-Watt System. The "Top" in performance.

Huge Coverage

40 Watts Undistorted Power supplies easily understood voice and music to an indoor audience of from 10,000 to 20,000 people or over an outdoor area of from 30,000 to 50,000 square feet. 60 Watts Peak Power — Four Microphones Input — Phono Radio Input — Complete Mixing and Fading — Positive Volume Control—Perfect Tone Control—Field Supply for Three Giant Speakers—Complete Output Selection—Volume Level Indicator—Preamplifier for Crystal or Velocity Microphones—All combined in one perfectly functioning unit that is built to stand up under the most severe conditions. Each component part is "top" quality from the full welded hard baked enamel finished chassis to the cool operating oversize power transformer.

135 db. Gain

Permits Microphones to be placed at long distances from Amplifier. Up to 200 feet of Cable with Crystal Microphones or up to 100 feet of Cable with High Impedance Velocity Microphones can be used and the full output of 40 Watts (60 Watt Peaks) will still be retained.

Ruggedly Built

Construction throughout is exceptionally rugged and all components are considerably oversize to withstand continuous usage even under the most severe conditions.

A Complete Amplifier

No extra equipment to buy. A Built-in Input Control Unit and Preamplifier, Complete Mixer and Fader, Main Amplifier, Output Level Indicator and Output Transformer all mounted on the same strong steel base. Chassis and all transformers are finished in rich baked on black enamel. Etched metal indicating plates under all controls, Layout of component parts insures highest efficiency—Ample ventilation keeps operating temperature at lowest point. **All transformers, chokes, main filter condensers and voltage amplifier tubes are fully and separately shielded.** The BUILT-IN MIXER permits the mixing or fading of two microphones, phono or radio. Separate Volume Control for each input. THREE CHANNEL INPUT, for use with two or four Crystal or High Impedance Velocity Mikes.

Hi-Lo Tone Control

Either low or high frequencies can be attenuated as desired. This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of speaker, singer, orchestra and hall. Accentuating the highs makes speakers voices far easier to understand. Cutting down the bass will often provide highly satisfactory reproduction in halls where ordinarily, unfavorable acoustics build bass so strong that voices are nearly undistinguishable. **Individual Tone Controls** allow perfect tonal adjustment for each individual microphone. **Three separate controls** provide complete and perfect regulation of volume for all inputs. **Individual volume Control** is supplied for each of the two channels. **A Master Volume Control** simplifies overall volume regulation.

Price of 40 Watt High Gain AMPLIFIER Only

J10048 —Factory wired. Laboratory tested. **Less tubes.**
List Price, $112.50.
YOUR PRICE **$59.53**

J10049—With Twelve Sylvania or Raytheon Matched Tubes, including 2-75's, 2-6C6's, 1-6A6, 1-42, 4-2A3's, 1-83, 1-80.
List Price, $126.50.
YOUR PRICE **$67.48**

35 Watt Speaker, Field Supply Plug-in Speaker Connections, Seven Tap Selective Output

Plug-in Field and Output connections are brought out to 3 plug-in sockets which are so wired that one, two, or three speakers can be used as desired without necessitating any changes in wiring. Connections are brought out to binding post strip with Taps provided for connection of speaker voice coil impedances of 3, 6, 12 and 18 ohms and line impedances of 250, 500 and 1000 ohms. 3 taps are incorporated in speaker field supply system so that 2-1000 and 1-1500 ohm field speakers can be supplied with 10 Watts of power in 2 fields and 15 Watts in the other. Many other field power combinations are possible.

THE RADOLEK COMPANY

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HI GAIN CLASS "A" PRIME

ADDRESS System

for Velocity Microphone

Recommended for All Large Installations

Suitable for use where an extra large amount of power or coverage is required. For Large Dance Halls—Fairs and Tent Shows—Large Auditoriums—Stadiums and Armories—Convention Halls—Athletic Fields—Ball Parks—Race Tracks—Large Sound Trucks and Skating Rinks—this is an ideal system for permanent installation. Will increase the entertainment value of any event.

30 Watt Hi-Gain P.A. System Complete Equipment Includes:

1. **4-Stage, 30-Watt Power Amplifier** incorporating **Input Control Unit** with **Microphone Volume Control, Phono-Radio Volume Control** and **Hi-Lo Tone Control.**
2. **Diaphragm Type Crystal Microphone** gives excellent results on either voice or music.
3. **Fully Adjustable Microphone Floor Stand** allows microphone to be used at 26¾ in. height on table or up to 67½ in. height on floor.
4. **Set of Eight Matched Sylvania or Raytheon Tubes** including 1-57, 2-53's, 4-2A3's, 1-83.
5. **Two Auditorium Type Highest Quality 12″ D.C. Dynamic Speakers.** Equipped with 1000 ohm fields and **line matching transformers to match** output of amplifier.
6. **50 feet of Fine Quality Shielded Rubber Covered Crystal Microphone Cable.**
7. **100 feet of Fine Quality 4-Wire Heavy Duty Rubber Covered Cable** to connect speakers.

Price of 30 Watt P.A. System
Complete Ready to Install

30 Watt System complete as described above.
J10688—List Price, **$174.50.**
YOUR PRICE **$88.25**

For Permanent Installations

Complete as above, but including in addition the two Flare Type Speaker Baffles, illus.
J10690—List Price, **$188.50.**
YOUR PRICE **$96.00**

For Portable Use

Complete as above, but including instead of Baffles the Split Speaker Carrying Case, described on page **105** under stock number **J-10486.** Amplifier Carrying Case and 3-section Microphone Stand. All equipment will fit into the two cases furnished.

J10691—List Price, **$202.00.**
YOUR PRICE **$103.50**

For Velocity Microphone

High Impedance Velocity-Ribbon Microphone can be used in above Systems instead of Crystal Mike without any changes. We suggest the Radolek Model V2 as described on page 101. **If this Mike is desired so state on order and allow $7.35 additional to your order.**

Amplifier Characteristics and Specifications

1. **30 Watts Undistorted Power Output** to speaker voice coils.
2. **Supplies 30 watt Speaker Field Current** for three large 1000 ohm field dynamics. Connections brought out to bakelite binding post strip and the 3 plug-in output sockets. Either can be used as desired.
3. **Four Stages with Eight Tubes**—'57 resistance coupled to '53 resistance coupled to '53 transformer coupled to four 2A3's in parallel pushpull 83 rectifier.
4. **130 db. Gain at 1000 cycles.**
5. **Practically Flat Frequency Response** within 1 db. from 40 to 9000 cycles.
6. **Input for Crystal or High Impedance Velocity Microphone** and Phonograph or Radio. Crystal mike can be used up to 150 feet. Velocity mike up to 75 feet from amplifier without intermediate coupling transformer or Pre-Amplifier.
7. **Plug-in Input and Output.**
8. **Separate Volume Control** for Microphone and **Separate Volume Control** for Phonograph or Radio.
9. **Complete Mixing and Fading System.**
10. **HI-LO TONE CONTROL** and on-off switch combined.
11. **Etched Metal Indicating Plates** under each control.
12. **Selective Output Impedances** Tapped at 3, 6, 9, 15, and 500 ohms. Connections brought out to bakelite binding post strip, and the 3 plug-in output sockets. Either can be used as desired.
13. **Only .003 volts Input Signal** Required to obtain maximum output.
14. **Extra-ordinary Low Hum level**—.1 of 1% of total output.
15. Power Consumption—180 watts.
16. Power Supply required—105-120 volts, 50-60 cycle A.C.
17. **Ruby Pilot Light** Indicates when Power is on.
18. Ten-foot super service Rubber Covered power connection cord with unbreakable rubber attaching plug.
19. Easily Accessible **Renewable Fuse** in power supply.
20. **Bottom Protecting Plate** with four rubber feet entirely encloses base.
21. **Ample provision for Ventilation.**
22. Rich baked-on Black Enameled Finish.
23. Overall height 8½″; base width 9″, length 20″, height 2¾″.
24. Net weight 32 lbs. Shipping weight 50 lbs.

Velocity Mike

For Best Quality reproduction in installations subject to Acoustical Feedback or High Background Noises. Distances over 75 feet up to 2000 feet away from Amplifier require a coupling transformer.

Carrying Case

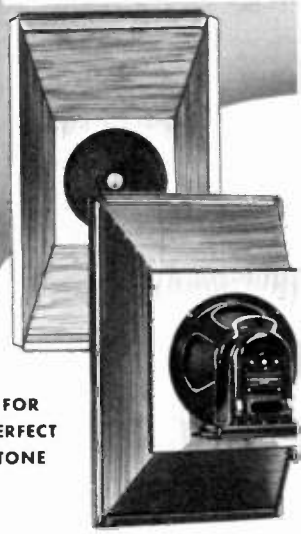
In three sections for transportation of Amplifier, Microphone Stand and Cables. Finest Quality. Sturdy construction. Covered with durable Black Fabrikoid.

J10035—List Price, **$15.00.**
YOUR PRICE **$7.95**

Installation Shield

Provides perfect mechanical protection and allows ample ventilation. Strong rigid steel, finished in black baked enamel.

J10687—List Price, **$4.50.**
YOUR PRICE **$2.35**



FOR PERFECT TONE

Flare Type Speaker Baffles furnished for use on permanent installations. Particularly designed to project sound over long distances. Will give efficient reproduction in conjunction with speakers furnished. See page 107 for detailed description.

Powerful Speakers

30 Watt Speaker Field Supply Five Tap Output

Polarized sockets provide plug-in connections for from one to three speakers. Selective Output Impedances; 3, 6, 9 and 15 ohms for speaker Voice Coils; 500 ohm for long lines or magnetic speaker connections. Speaker field supply provides 30 watts; sufficient for 3 Auditorium Type Speakers with 1000 ohm fields. This current is sufficient for operating up to eight 12″ Standard Dynamic Speakers. The Speakers supplied with this system are highest quality, guaranteed to give finest reproduction.

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RADOLEK AC OPERATED

5 in 1 PUBLIC

for Crystal Microphones

30 WATT 8 TUBE

1—Pre-Amplifier. 2—Built-in Mixer. 3—Power Amplifier.
4—Speaker Field Supply. 5—Tapped Output Transformer.
All Five Units Self-Contained In One Single Chassis

An Ideal 30-Watt Sound Amplifying System for use in Large Auditoriums, Large Churches, Athletic Fields, Fairs, etc. Will provide adequate coverage for indoor audiences of up to 15,000 people or an outdoor area of up to 35,000 square feet.

Crystal Mike

Diaphragm Type is supplied. Gives excellent results on either voice or musical reproduction. Will stand an extraordinary amount of hard use. Either Diaphragm or Cell Type Crystal Microphone can be operated with up to 150 feet of cable and give full output from amplifier. This Mike is the finest microphone for all-around use. Very sensitive. Ruggedly constructed.

Advanced Engineering

A 30-Watt Hi-Gain, High Fidelity Public Address Amplifier combining a Crystal or Velocity Microphone Pre-amplifier — Mixer and Fader — 30-Watt Speaker Field Supply—Tapped Output Transformer—and Power Amplifier, all in one self-contained unit. This combination of features is not found in any other 30-Watt Amplifier at this low money-saving price. Built up to a high standard of quality, this Amplifier incorporates every feature for completeness and simple operation. Carefully note the following outstanding features that Radolek offers you in this advanced Amplifier.

Four Stages Of Amplification

Gives the extraordinarily **High Gain of 130 db.** Diaphragm or Cell type Crystal or High Impedance Velocity Microphone will operate Amplifier at full undistorted 30 Watts power output without addition of intermediate coupling transformers or pre-amplifiers. Double Button Carbon Microphone or Low Impedance Velocity Microphone can be used with this Amplifier through Microphone or Line to Grid transformer. Quickly and easily installed.

Two Channel Input

For Crystal, or Velocity Microphones and Phonograph or Radio: Input connections are through two plug-in sockets. One for Phonograph or Radio and one for Microphone. One Volume control regulates volume for Microphone. Separate control regulates volume for Phonograph or Radio.

Complete Mixer and Fader

The two Volume Controls are so interconnected that **complete mixing or fading of the two inputs can be accomplished easily and efficiently**, providing voice with musical background, fading in and out of voice announcements, etc.

Dependable Quality

High Fidelity

Gives faithful reproduction of voice or music. **The new Radolek Hi-Lo Tone Control accentuates either low or high notes.** This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of Public Speaker, Singer, Orchestra and Hall. Accentuating the high makes speaker voices far easier to understand. Cutting down the bass will often provide highly satisfactory reproduction in halls where ordinarily, unfavorable acoustics build up bass so strong that voices are muffled and nearly indistinguishable.

Easy To Install

Installation is simple, easy and fast. All connections are through Plugs and Sockets. You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. All that is necessary is to place Microphone and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt, 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. Comes complete with all instructions so that anyone can make an efficient and satisfactory Sound installation.

Prices of 30 Watt AMPLIFIER Only

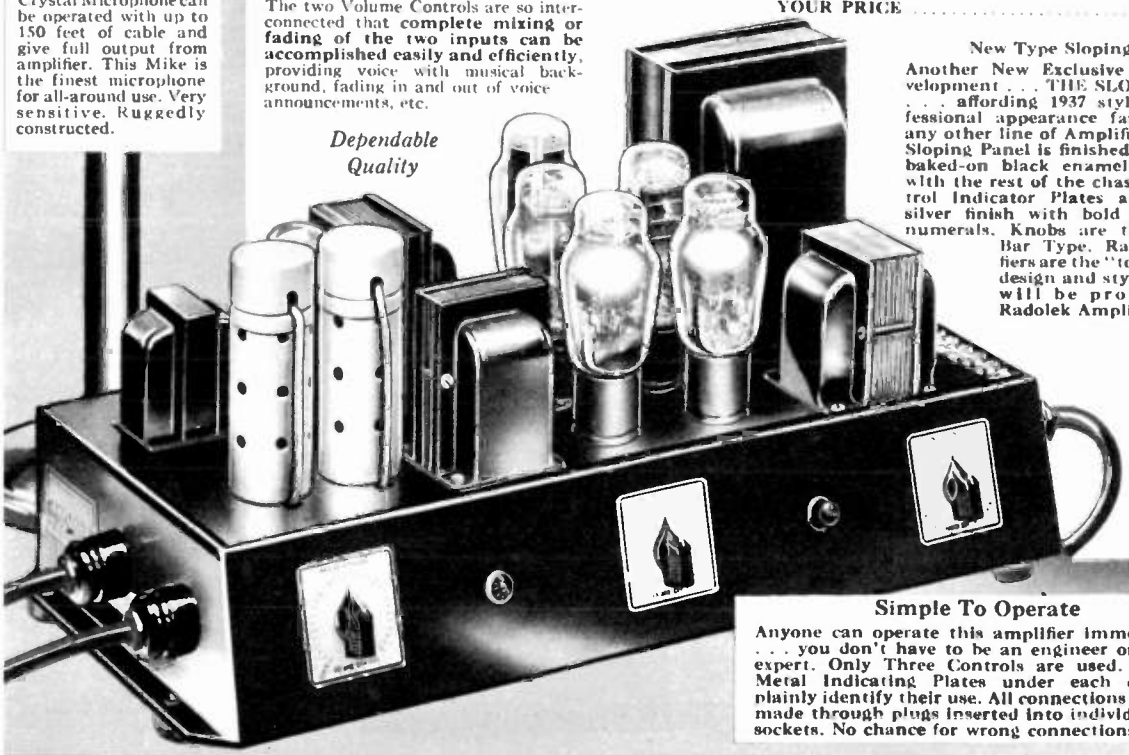
J10685—Factory Wired, Laboratory Tested. Less Tubes.
List Price, $75.00.
YOUR PRICE **$39.50**

J10686—With eight Sylvania or Raytheon matched tubes, 1-57, 2-53's, 4-2A3's, 1-83.
List Price, $85.00.
YOUR PRICE **$44.25**

New Type Sloping Panel

Another New Exclusive Radolek Development . . . THE SLOPING PANEL . . . affording 1937 styling and professional appearance far superior to any other line of Amplifiers. This New Sloping Panel is finished in a lustrous baked-on black enamel in harmony with the rest of the chassis. The Control Indicator Plates are of frosted silver finish with bold black etched numerals. Knobs are the new style Bar Type. Radolek Amplifiers are the "top" in modern design and styling. . . . You will be proud of your Radolek Amplifier.

For 105 120 Volt 50-60 cycle A.C.



Simple To Operate

Anyone can operate this amplifier immediately . . . you don't have to be an engineer or sound expert. Only Three Controls are used. Etched Metal Indicating Plates under each control, plainly identify their use. All connections quickly made through plugs inserted into individualized sockets. No chance for wrong connections.

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De Luxe AMPLIFIER

OPERATES ON 105-120 VOLT 50-60 CYCLE AC CURRENT

STADIUMS! AUDITORIUMS!

QUALITY REPRODUCTION — PERFECTLY CONTROLLED

★Four Stages ★Seven Tubes
★Portable or Permanent
★Complete Mixer and Fader
★Separate Tone Controls
★Individual Volume Control
★Socket Plug-In Connections

High Fidelity Reproduction

Either low or high frequencies can be attenuated as desired. This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of speaker, singer, orchestra, and hall. Accentuating the highs makes speakers voices far easier to understand. **Individual tone controls** allow perfect tonal adjustment for each individual microphone. **Three separate controls** provide complete and perfect regulation of volume for all inputs. **A Master Volume Control** simplifies overall volume regulation.

18 Watt P. A. System

(Equipment Included)

1. **Two Microphones, Diaphragm Crystal Type, Sound Cell Crystal or Velocity** as desired.
2. **Two Adjustable Floor Stands** with heavy base provide support for microphones. May be extended up to 67½ in. high.
3. **18-Watt, 4-Stage, High Gain Amplifier** provides straight line amplification for microphones.
4. **Set of Seven Matched Sylvania or Raytheon Tubes** including 2-57's, 1-56, 1-53, 2-6B5's, 1-5Z3.
5. **Two 12½" Finest Quality Auditorium Type D.C. Dynamic Speakers** use 1000 ohm fields and 1000 ohm line matching transformers to match output of amplifier.
6. **Fifty Feet of Best Quality Rubber Covered Shielded Cable** with polarized connecting plug is furnished for each microphone. This cable is of special construction to minimize line losses between microphone and amplifier. (Longer lengths can be supplied for 6c per foot for extra length.)
7. **Fifty Feet of Heavy Duty Best Quality Rubber Covered Cable** with polarized attaching plug is furnished for each speaker.

Prices 18 Watt P. A. System

J10044—Complete SOUND SYSTEM as described with two Diaphragm type Crystal Microphones.
List Price, $233.00.
YOUR PRICE **$122.50**

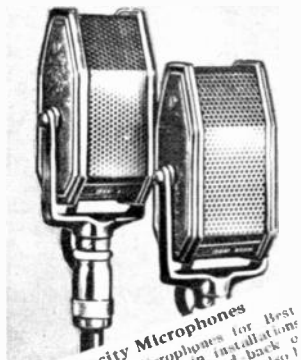
J10038—Complete SOUND SYSTEM as described with two Amperite R. B. H. Velocity Microphones.
List Price, $272.00.
YOUR PRICE **$145.40**

J10039—Complete SOUND SYSTEM as described with two type B2S Brush Sound Cell Crystal Microphones. Described on page 100.)
List Price, $278.00.
YOUR PRICE **$148.90**

Above prices do not include baffles for speakers.

Amplifier Characteristics and Specifications

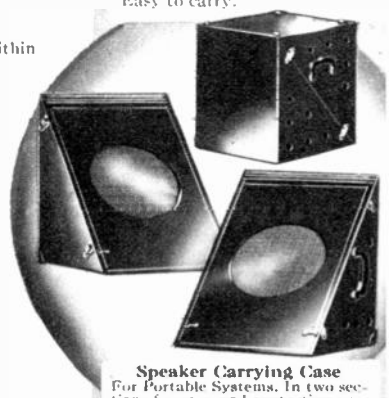
1. **18 Watts Undistorted Power Output** to speaker voice coils (up to 25 watts can be obtained on peaks).
2. **Four Stages with Seven Tubes:** 2-57's, 1-56, 2-6B5's, 1-53, 1-5Z3.
3. **Supplies 30 Watts** (enough for 3 large dynamic speakers. Connections provided for one to three separate speaker fields).
4. **135 D.B. gain** at 1000 cycles.
5. **Flat Frequency Characteristic Curve** within 1 D.B. from 40 to 9000 cycles.
6. **Input Connections for Two Crystal or Velocity** microphones and phono or radio through three sockets or 8 terminal binding post strip.
7. **Separate Volume Control** for each input.
8. **Complete Mixer and Fader.**
9. **Master Volume Control.**
10. **Separate Tone Control** for each input.
11. **Master Hi-Lo Tone Control.**
12. Indicating Plate under each control.
13. **Output Impedance tapped** at 3, 6, 12, 18, 250, 500 and 1000 ohms. Connections brought out to bakelite strip with values engraved at each binding post.
14. Three Sockets for **Plug-in Connections** of 1, 2, or 3 **dynamic speakers** as desired without change of wiring.
15. **Only .001 volts Input Signal** required to obtain maximum output.
16. **Hum level less than .1 of 1% of total output.**
17. **Jewelled Ruby Pilot Light** indicates when A.C. Power is on.
18. Power Supply required: 105-120 volts, 50-60 cycle A.C.
19. Power consumption 175 watts.
20. Ten-foot **Super Service** power connection Cord with unbreakable rubber Plug.
21. Easily accessible **Renewable Fuse.**
22. **Bottom Protecting Plate** with four rubber feet entirely encloses base.
23. **Ample** provision for **Ventilation.**
24. Rich baked on Black Enameled Finish.
25. Overall height 11". Base width 10½". Length 21½". Chassis height 4½".
26. Net weight 39 lbs. Shipping weight 52 lbs. (Amplifier Only.)



Velocity Microphones

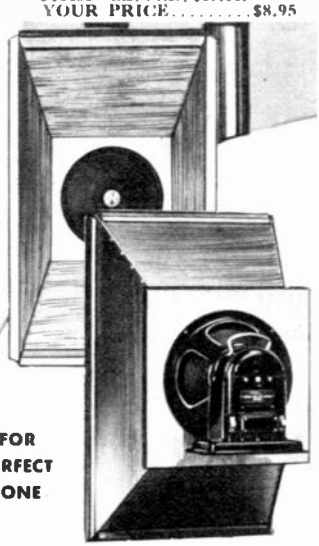
Use Velocity Microphones for Best Quality reproduction in installations subject to Acoustical Feed back or High Background Noises. Can also be used up to 2000 feet away from Amplifier by using a coupling transformer

Carrying Case closes as illustrated. Very compact, convenient and professional appearing. Easy to carry.



Speaker Carrying Case

For Portable Systems. In two sections for easy and protective portability of two speakers. Sturdily constructed. Covered with durable black Fabrikoid. Described on page 105. No Speakers Included.
J10486—List Price, $17.00.
YOUR PRICE **$8.95**



FOR PERFECT TONE

Speaker Baffles

Use these baffles for permanent installations where sound must be projected long distances. Sturdily constructed of ⅜" plywood. Size 30"x18". Described on page 107.
J10396—List Price, $7.00.
YOUR PRICE **$3.95**

30-Watt Speaker Field Supply Seven Tap Output

One, two, or three speakers can be used as desired without changing internal wiring of Amplifier. Polarized sockets provide plug-in connections for from one to three Speakers. **Selective output impedances; 3, 6, 12, and 18 ohms for speaker Voice Coils;** 250, 500 and 1000 ohms for long lines or magnetic speaker connections. Speaker field supply is 30 Watts for 3 Auditorium Type Speakers, with 1000 ohm fields. This current is sufficient for operating up to eight 12" standard Dynamic Speakers

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World Radio History

RADOLEK *Hi-Gain*

USES 2 CRYSTAL OR VELOCITY MIKES

FOR ORCHESTRAS!

18 WATT

Crystal Microphones

Use Diaphragm Type Crystal Microphones for Wide Range true-toned Reproduction of Speech and Music. Can be used with up to 150 feet of Cable from Amplifier. Will stand much abuse.

● **The complete System at full power output has sufficient power to supply easily understood voice and music to indoor audiences of from 3000 to 8000 people or over an outdoor area of from 10,000 to 25,000 square feet, the exact coverage depending on individual installation conditions.**

Superb Performance!

Most Advanced Engineering combined with Quality Apparatus and extensive research by Radolek Sound Engineers gives you this finest, most complete 18-Watt Dual Microphone Hi-Gain Amplifier System. **In the Amplifier you get all the advantages of greater frequency response and life-like clarity of tone afforded by the use of Crystal and Velocity Microphones** . . . The use of Velocity Microphones also permits directional pick-up for elimination of acoustical feed-back in installations where microphones are used close to loud speakers.

A Complete Amplifier

Built up to a high standard of quality and not down to a price, this unit incorporates every feature for completeness, convenience and simple operation that the ingenuity of highly skilled Engineers could devise. Note carefully the many desirable important features incorporated in this DeLuxe Amplifier: **Plug-in Input Connections for Two Microphones—Plug-in Input Connections for Phonograph or Radio—Individual Volume Control on each of two channels—Master Volume Control over all inputs—Complete Mixing and Fading between the two channels—Extremely High Fidelity, flat within 1 db. from 40 to 9,000 C.P.S.—Two Microphone Tone Controls and Master Hi-Lo Tone Control—Output Indicating Meter—Selective Tapped Output—30-Watt Speaker Field Supply—Plug-in Speaker Outputs.**

Easy to Install

You need not be an Engineer or Sound Expert to hook-up this Radolek Amplifier. All connections are quickly and positively made through Plugs and Sockets and are so arranged that it is impossible to make a wrong connection. The Complete Portable Amplifier System is convenient to carry and **can be put up or taken down in five minutes.** The professional appearance and true-toned reproduction of this powerful Sound System adds atmosphere to any show or event. It will open new profit opportunities . . . it will help to increase your income by putting your program over. Take advantage of the greater entertainment and money-making possibilities of this new 18-Watt Radolek DeLuxe Sound System.

Modern Engineering

135 D.B. Gain allows use of Diaphragm Type Crystal Microphone with up to 150 feet of cable; Sound Cell Crystal Microphone with up to 100 feet of cable; or Hi-Impedance Velocity Microphones with up to 75 feet of cable. Full power output of 18 Watts can be obtained using cable lengths as specified without appreciable losses of either high or low frequencies. **(Most other systems are restricted to cables of less than half these lengths).** Microphones can be used on a very large stage with amplifier concealed back stage. Amplifier **is very stable in operation so that hum and tube noises are non-existent** for all practical purposes. Output level indicator meter offers an excellent check on overall volume level.

Complete Mixer and Fader

The volume on the two microphones can be individually adjusted so that different sections of an orchestra can be toned down or brought out as desired. One microphone can be used to carry the orchestra as soft back-ground music; the other microphone for a singer. Vocalists, even those with a voice which lacks carrying power can easily cover a large area with this system.

Amplifier Carrying Case

In three sections for transportation of Amplifier, Microphones, Stands, and Cable. Strong and durably constructed of best quality materials to stand extreme abuse. Covered with Black Fabrikoid.

J10035—List Price, **$16.00.**

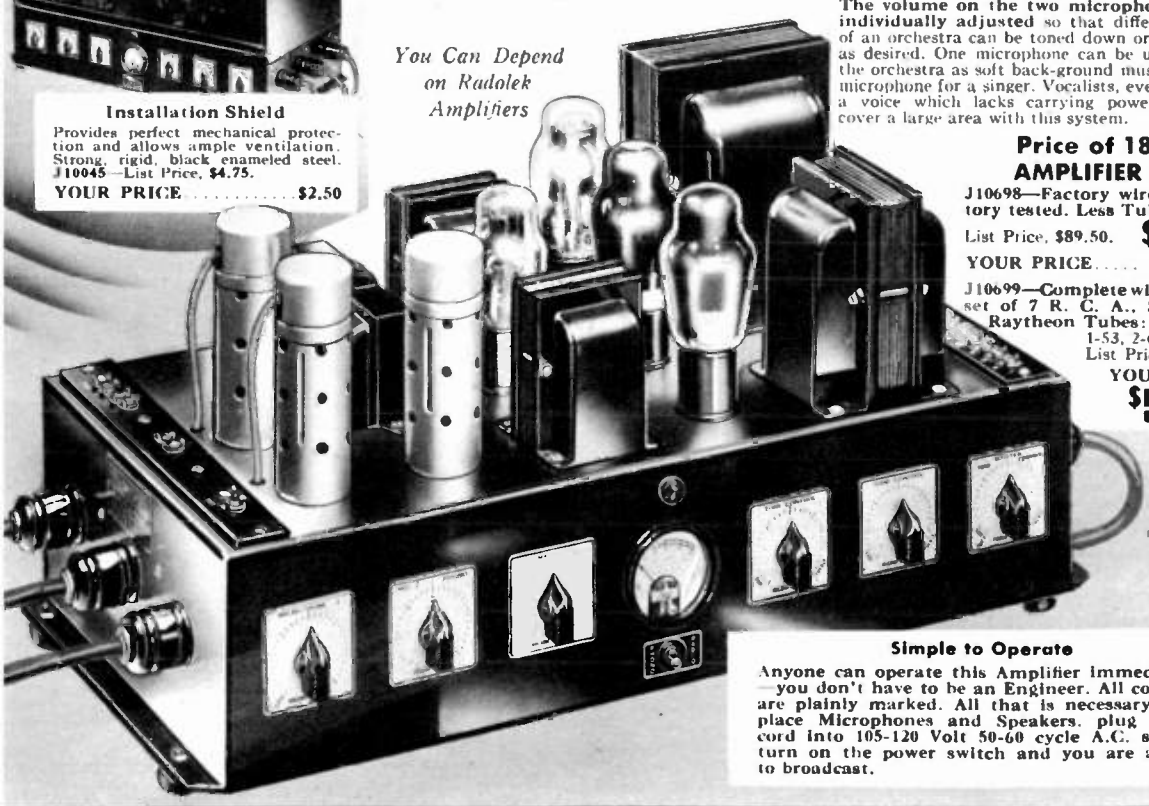
YOUR PRICE **$8.95**

Installation Shield

Provides perfect mechanical protection and allows ample ventilation. Strong, rigid, black enameled steel. J10045—List Price, **$4.75.**

YOUR PRICE **$2.50**

You Can Depend on Radolek Amplifiers



Price of 18 Watt AMPLIFIER ONLY

J10698—Factory wired, Laboratory tested. Less Tubes.

List Price, $89.50. YOUR PRICE **$47.50**

J10699—Complete with matched set of 7 R. C. A., Sylvania or Raytheon Tubes: 2-57's, 1-56, 1-53, 2-6B5's, 1-5Z3. List Price, $99.00.

YOUR PRICE **$52.00**

Simple to Operate

Anyone can operate this Amplifier immediately—you don't have to be an Engineer. All controls are plainly marked. All that is necessary is to place Microphones and Speakers, plug power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast.

THE RADOLEK COMPANY

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World Radio History

Public Address AMPLIFIER

For 105-120 Volt 50-60 Cycle A. C. OPERATION

Maximum Power at Lowest Cost!

Class "A" Prime!

A Complete System

The entire group of units illustrated here may be purchased together if you want to be sure of obtaining the correct component parts for a high class installation. These units are "matched" by our Engineers to work perfectly together so that you may have an installation that you can be proud of. All apparatus is of quality construction . . . guaranteed by Radolek to perform perfectly. . . . You can Depend on Radolek Amplifiers for complete satisfaction.

15 Watt Standard P. A. System Complete Equipment Includes

1. 4-stage, 15-watt A.C. operated P.A. Amplifier incorporating **Input control unit with Microphone Volume Control, Phono-Radio Volume Control and Hi-Lo Tone Control.**

2. High Quality Diaphragm Type Crystal Microphone gives excellent results when used on voice or music.

3. Floor Stand for Microphone can be extended from 27" to 66". Good quality, heavily weighted. Will not tip over easily.

4. Matched set of Six Sylvania or Raytheon tubes including 1-57, 2-53's, 2-2A3's, 1-83.

5. Two 12¼ inch Auditorium Type Finest Quality D.C. Dynamic Speakers. 2500 ohm fields each obtain 10 watts field supply from amplifier.

6. 50 feet of Good Quality Shielded Rubber Covered Cable for microphone.

7. 100 feet of Fine Quality Four-Wire Heavy Duty Rubber Covered Cable for connection of speakers to amplifier.

• • •

For permanent installations, all that is needed in addition to equipment listed is baffles for the speakers. Turn to page 107 for a complete line that can be used very satisfactorily with the speakers supplied.

Price of 15 Watt Public Address System Ready to Install

15-Watt Public Address System complete as described above.

$77.00

J10674—List Price, $153.50.
YOUR PRICE . . . . .

Price of 15 Watt Portable System

Includes Split Speaker Carrying Case, Amplifier Carrying Case and 3-section Microphone Stand. All equipment will fit into the two cases furnished. Easy portability.

$91.80

J10017—List Price, $180.00.
YOUR PRICE . . . . .

Amplifier Characteristics and Specifications

1. 15 Watts undistorted Power Output to speaker voice coils.

2. Supplies 20 watts for 2500 ohm field coils (enough for Two large dynamics.) Connections provided for one or two speaker fields.

3. Four Stages with six tubes. '57 resistance coupled, to 53 resistance coupled to 53 Transformer coupled to two 2A3's in push pull. 83 Rectifier.

4. 115 db. Gain at 1,000 cycles.

5. Practically Flat Frequency Characteristic Curve within 1 D.B. from 40 to 9,000 cycles.

6. Input impedance for Crystal, Hi-Imp. Velocity Microphones and Phonograph or Radio.

7. Plug-In Input and Output.

8. Separate Volume Control for Microphone.

9. Separate Volume Control for Phono or Radio.

10. Complete Mixing and Fading System.

11. Hi-Lo Tone Control and On-Off Switch Combined.

12. Etched Metal Indicating Plate under each control.

13. Output Impedance Tapped at 3, 6, 9, 15 and 500 ohms. Connections brought out to bakelite strip with values engraved at each binding post.

14. Only .004 volts input signal required to obtain maximum output.

15. Extraordinary Low Hum Level. .1 of 1% of Total Output.

16. Power consumption 140 watts.

17. Power Supply required, 105-120 volts, 50-60 cycle A.C.

18. Ruby Pilot Light Indicates when power is on.

19. Ten-foot super service power connection cord with unbreakable rubber attaching plug.

20. Easily Accessible, renewable fuse in power supply.

21. Bottom protecting plate with four rubber feet entirely encloses base

22. Ample provision for ventilation.

23. Rich Baked-on Black Enameled finish.

24. Overall height 8"; Base width 9"; Length 16"; Height 2¼".

25. Net weight, 25 lbs. Shipping weight, 40 lbs.

New Type Sloping Panel

Radolek here again pioneers another new development . . . THE SLOPING PANEL . . . affording 1937 styling and professional appearance far superior to any other line of Amplifiers. This new Sloping Panel is finished in a lustrous baked black enamel to match the rest of chassis. The control Indicator Plates are of Frosted aluminum with black etched numerals. Knobs are new style bar type. **Radolek Amplifiers are easy to operate. . . . All component parts are quality parts . . . The Greatest Value for your amplifier dollar. You save when you buy at Radolek.**

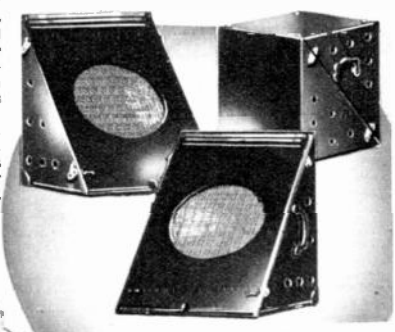
Carrying Case

In three sections for transportation of Amplifier, Microphone Stand and Cables. Sturdily constructed of ⅜" Veneer covered with durable black Fabrikoid.
J10035 List Price, $10.00.
YOUR PRICE $5.95

Installation Shield

Provides perfect mechanical protection and allows ample ventilation. Rigid Steel Construction finished in Baked Black Enamel.
J10672—List Price, $4.50.
YOUR PRICE $2.35

Case is divided diagonally and will house two speakers. When put together case is only slightly larger than case for only one speaker



Split Speaker Housings

For use on Portable installations. Enables speakers to be carried easily and safely. Provides sufficient baffle for speakers and are large enough to store up to 150 feet of cable for each speaker. Sturdily constructed of plywood. Covered with durable Black Fabrikoid. Completely described on page 105.
J10486—No speakers included. List Price, $17.00.
YOUR PRICE $8.95

Powerful Speakers

20-Watt Speaker Field With Output Transformer Plug-In Connections

Two polarized sockets and a Seven Post Terminal strip provide connections for speakers. Connections brought out to terminal strips are tapped at 3, 6, 9, 15 ohms for connection to speaker voice coils and 500 ohms for long line or Magnetic speaker connections. Speaker field supply is for 2 speakers using 2500 ohm fields. These speakers are Highest Quality, guaranteed to give finest reproduction

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15 WATT 6 TUBE RADOLEK Standard

HI GAIN FOR CRYSTAL MICROPHONE . . .

The Ideal Sound Amplifying System

★Built-In Complete Mixer and Fader ★Hi-Lo Tone Control ★Plug-In Input and Output
★Two High Gain Channels ★4 Stages ★20 Watt Speaker Field Supply ★Tapped Output
★Separate Volume Control for Phonograph ★Separate Volume Control for Crystal Mike

Better Tone Quality!

This is one of the most powerful, practical, general purpose, 15-Watt Amplifiers on the market. **Superior to other 15-Watt Amplifiers because it brings you the full advantages of the greater sensitivity, frequency response and life-like clarity of tone afforded by the use of Crystal Microphones.** Can also be used with Carbon Mikes in conjunction with Input Unit listed on page 103. Ruggedly constructed of high grade parts, this Amplifier will give long, satisfactory trouble-free service. **A full, clean, powerful 15-Watt Output provides easily understood speech and music to indoor audiences of up to 5000 people or over outdoor areas of up to 20,000 square feet.** Recommended for use by Auditoriums, Churches, Small Dance Orchestras, Small Athletic Fields, Store Advertising Installations, etc.

Increased Entertainment

Tavern and Night Club Owners! We particularly recommend this system for your installations. It is **simple to install and operate** and will produce clear and natural speech and music with sufficient volume for the largest of your installations. The new Crystal Microphone used in this system is more suitable for your use than any other type. With this new improved Amplifier, the Crystal Mike affords a clarity of tone and naturalness of reproduction impossible to obtain with older types of Microphones. Will not "blast" or go "mushy" when the singer or speaker gets close to the Mike and you will not have to be particularly careful about the way this Microphone is handled. It will stand a great deal more abuse than any other type.

Easy to Install

All connections are through polarized Plugs and Sockets. When system is made up in the portable cases illustrated, the **entire outfit can be put up or taken down in less than five minutes' time.** Comes complete with all instructions so that anyone can make an efficient and satisfactory Public Address installation.

All Newest Features

All the newest Sound Engineering Developments to date have been combined in this superb chassis. Here is a combination of features not found in any other amplifier at anywhere near this low price. **Four Stages, Dual Channel, Plug-in Input with separate Volume Control for Crystal Microphone, Plug-in Input with separate Volume Control for Phonograph or Radio, Built in complete Mixer and Fader, Hi-Lo Tone Control, Plug-in Selective Tapped Output, 20-Watt Speaker Field Supply.** Has a **gain of 115 db.** and yet uses a total of only six tubes, affording real operating economy.

Improved Tone Regulation

Either low or high frequencies can be attenuated as desired. This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of speaker, singer, orchestra, and hall. Accentuating the highs makes speakers voices far easier to understand. Cutting down the bass will often provide highly satisfactory reproduction in halls where ordinarily, unfavorable acoustics build bass so strong that voices are nearly undistinguishable. Accentuating bass response will make a high pitched voice sound more pleasing to the ear, will bring out the low notes so desirable in reproducing organ music, and will often assist in eliminating acoustical feed-back. An A.C. Power Switch is combined with this control.

Complete Mixer and Fader

Complete Input System including separate Volume Controls for Phonograph or Radio and Crystal Microphone is built right in the Amplifier. The two inputs are so inter-connected that complete mixing or fading between them can be accomplished easily and efficiently . . . enables a voice announcement to be super-imposed on a musical background from Phonograph, etc. New Mixing System eliminates losses present in old Mixers using Transformers and "T" Pads.

Full Output From Crystal Microphone

Microphone can be operated with up to 50 feet of cable and give full output from Amplifier. Two plug-in sockets take Crystal Microphone and Phonograph or Radio. Individual Controls regulate volume on each

* * *

Can also be used with Velocity Microphone, but for best operation we suggest using an amplifier having at least 125 db. gain such as 19 Watt Amplifier listed on pages 118 and 119 of this Catalog.

Radolek Amplifiers Are Quality Constructed

Prices 15 Watt AMPLIFIER Only

For 105-120 Volts 50-60 Cycle Operation

J10670—Factory wired, Laboratory Tested, without Tubes.
List Price $52.00.
YOUR PRICE **$27.50**

J10671—With six Sylvania or Raytheon matched Tubes. 1-57, 2-53's, 2-2A3's, 1-83.
List Price, $59.40.
YOUR PRICE **$30.90**

You Can Depend on Radolek Amplifiers

Simple and Easy to Operate

Anyone can operate this Amplifier immediately—you don't have to be an Engineer. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. All controls are plainly marked. Complete instructions are included.

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BIAS CLASS "A" PRIME

ADDRESS System 6 TUBES!

FOR 105-120 VOLT, 50-60 CYCLE A. C. CURRENT
For Medium Sized Installations!

High Fidelity Reproduction

New Hi-Lo Tone Control attenuates either low or high frequencies as desired. This feature which is an exclusive Radolek development is particularly valuable for compensating tone of sound installations which must fit every type of speaker, singer, or orchestra and hall.

15 Watt Public Address System Complete Equipment Includes:

1. $10.00 list Double Button Carbon Microphone very well suited for all-around use.
2. Microphone Floor Stand. Complete with 8 suspension springs. Extends up to 67 inches and has heavily weighted base to prevent tipping over.
3. 3 Stage 15 Watt Amplifier complete with Microphone Transformer, Microphone Current Supply, Volume Controls, and Speaker Field Supply.
4. Set of Six Matched Sylvania or Raytheon Tubes 2-57; 1-56; 2-2A5; 1-5Z3.
5. Two High Grade Heavy Duty 12" Finest Quality D. C. Dynamic Speakers. Will carry entire output of amplifier without distortion. Equipped with 2500 ohm fields and line matching transformers to match output of amplifier.
6. 50 ft. of Best Quality Two Conductor Rubber Covered Shielded Cable equipped with polarized plug connects microphone to amplifier.
7. Two 50-ft. Best Quality Four-Wire, Heavy Duty, Rubber Covered Cables equipped with polarized plugs connect the two speakers to amplifier.

Price of 15 Watt Public Address System Complete Ready to Install

15 Watt System complete as above.
J10012—List Price, $120.00
YOUR PRICE **$68.70**

Amplifier Characteristics and Specifications

1. 15 Watts Undistorted Power Output to speaker voice coils.
2. Three Stages with Six Tubes: 2-57's, 1-56, 2-2A3's, 1-5Z3.
3. Supplies 20 watts for 2-2500 ohm field Speakers.
4. Approximately 85 D.B. gain.
5. Practically Flat Frequency Characteristic curve within 1 D.B. from 40 to 10,000 cycles.
6. Only .07 volts input signal required to obtain maximum output.
7. Input Connections for one carbon microphone and phonograph or radio.
8. Supplies adjustable microphone current.
9. Complete Mixer and Fader.
10. Microphone Volume Control.
11. Phono and Radio Volume Control.
12. Combination Hi-Lo Tone Control and A.C. switch.
13. Etched Metal Indicating Plates under each control.
14. Output Transformer mounted on amplifier chassis tapped at 500 and 1000 ohms.
15. Plug-in Input and Plug-in output.
16. Hum level .1 of 1% of total output.
17. 105-120 volts 50-60 cycles A.C.
18. Power consumption 135 watts.
19. Ten foot super service power connection Cord with unbreakable rubber Plug.
20. Pilot Light indicates when A.C. is on.
21. Easily Renewable Plug Fuse.
22. Ample provision for Ventilation.
23. Rich baked on black enameled finish.
24. Overall height 7⅞", Base width 7½", Length 17".
25. Net wt. 24 lbs. Shpg. wt. 29 lbs.

FEATURING . . .

- ★Three Stages
- ★Class "A" Prime Operation
- ★Carbon Mike Input
- ★Phono-Radio Input
- ★Hi-Lo Tone Control
- ★Volume Control for Microphone
- ★Volume Control for Phono-Radio
- ★Built-In Mixer and Fader
- ★Plug-In Input and Output Connections
- ★20 Watts Speaker Field Supply
- ★1000 Ohm Output Tapped at 500 ohms
- ★Mike Button Current Supply

A Complete Call and Communicating System

Call System Accessories

Double button carbon Microphone complete with 17" desk stand and 10 ft. shielded mike cable with connection plug to match amplifier.
J10016—List Price, $15.00.
YOUR PRICE $8.82

Best Quality Four Wire Cable rubber jacket overall for connecting dynamic speakers to amplifier.
J11083—Per 100 ft.
List Price, $9.50.
YOUR PRICE $4.70

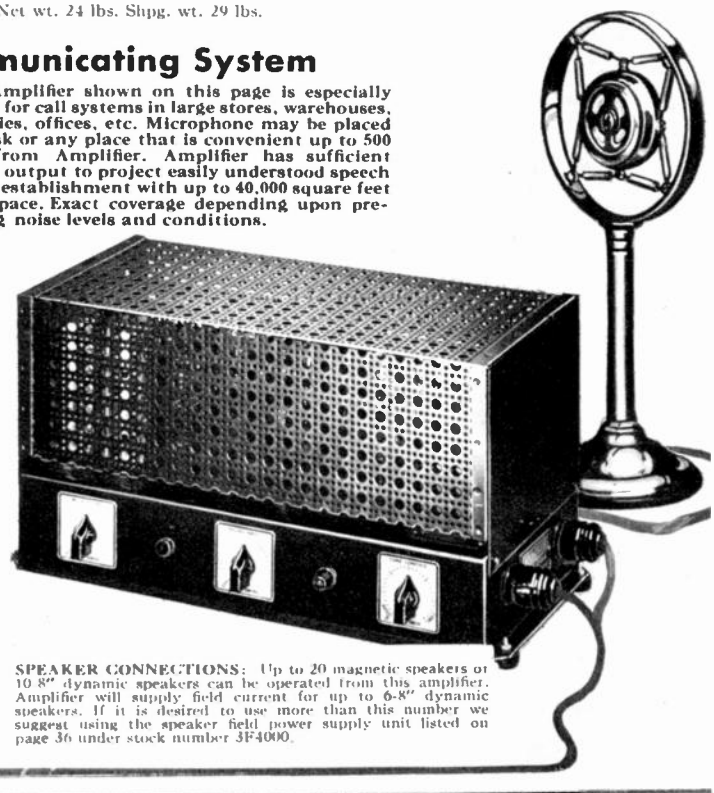
8" Magnetic Speaker mounted in Gothic type speaker cabinet.
J10482—List Price, $6.25.
YOUR PRICE $3.68

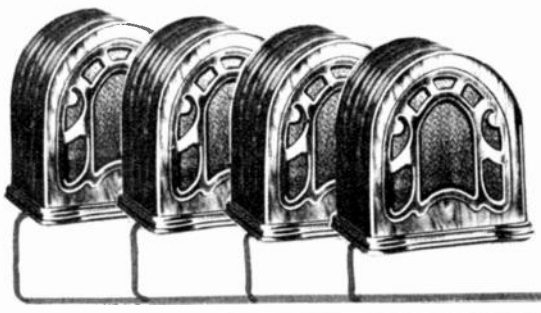
8" D.C. Dynamic Speaker complete with matched transformer mounted in Gothic type speaker cabinet.
J10019—List Price, $7.75.
YOUR PRICE $4.60

Two Wire Cable—Best Quality rubber jacket over all for connecting magnetic speakers to amplifier.
J11081—Per 100 ft. List Price, $4.25.
YOUR PRICE $2.21

Perforated metal Installation Shield. Rigid Steel Construction. Baked Black Enameled finish.
J10015—List Price, $2.85.
YOUR PRICE $1.68

The Amplifier shown on this page is especially suited for call systems in large stores, warehouses, factories, offices, etc. Microphone may be placed on desk or any place that is convenient up to 500 feet from Amplifier. Amplifier has sufficient power output to project easily understood speech to an establishment with up to 40,000 square feet floor space. Exact coverage depending upon prevailing noise levels and conditions.





SPEAKER CONNECTIONS: Up to 20 magnetic speakers or 10 8" dynamic speakers can be operated from this amplifier. Amplifier will supply field current for up to 6-8" dynamic speakers. If it is desired to use more than this number we suggest using the speaker field power supply unit listed on page 36 under stock number 3F4000.

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RADOLEK SEMI-FIXED
15 Watt PUBLIC

FOR USE WITH CARBON MICROPHONES
High Quality . . . Medium Priced

Carrying Case

In three sections for transportation of Amplifier, Microphones, Stands and Cable. ¾" Veneer Throughout covered with Black Fabrikoid.

J10035 List Price $11.00.

YOUR PRICE **$5.85**

New Improved Design

A new 15-Watt Amplifier designed for use with Carbon Microphone. Convenient in operation. Compact. Extraordinary quality at LOW COST. Combines the function of five separate units all in ONE instrument: Input Control Unit, Amplifier, Microphone Current Supply, Output Transformer and Dynamic Speaker Field Supply. The full clean 15 Watts of power will supply ample volume for an indoor audience of from 2000 to 5000 people or an outdoor area of from 8000 to 20,000 square feet, the exact coverage depending on individual installation conditions.

Very Flexible Performance

The design and construction of the Amplifier give it a **great flexibility** adapting it to a wide range of Public Address Installations. **Equally suitable for either portable or permanent installations** where good quality and power must be obtained at a low price. We particularly recommend this Amplifier for use in large Auditoriums, Fairs, Political gatherings, etc., where the main requirement is good reproduction of voice. Although this Amplifier has the same **high fidelity** as the other Radolek units, the use of the Carbon Microphone limits its usefulness in musical reproduction. For best results on music, we recommend the 18-Watt Crystal Amplifier described on pages 118 and 119.

Easy To Install

You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. All connections are through Plugs and Sockets and are so arranged that it is **impossible to put any plug into a wrong socket.** All that is necessary is to place Microphones and Speakers, plug power cord into 105-120 Volt 50-60 cycle A. C. socket, turn on the power switch and you are all set to broadcast. **It's simple, easy and fast.** When system is made up in portable cases, **the entire outfit can be put up or taken down in five minutes.** Comes complete with all instructions so that anyone can make an efficient and trouble free installation.

Advanced Engineering

Use Crystal or Velocity Microphones

While this Amplifier has been particularly designed for use with Carbon Microphone, it can also be used for Crystal or Velocity Microphones when used in conjunction with Pre-Amplifier shown on page 126. This combination should be used where it is necessary to operate microphones at distances of from 150 to 2000 feet from main Amplifier. 500 ohm output of Pre-Amplifier matches 500 ohm input of this Amplifier and allows the use of a low impedance line between the two which will eliminate loss and noise pickup from line.

Built-In Two Channel Mixer

An extremely valuable feature, that eliminates an extra piece of equipment, is the built-in two channel mixer. Individual Volume Controls for Microphone and Phonograph or Radio permit the gradual fading in and out or the mixing of these inputs without the usual power and frequency losses encountered in ordinary mixing systems using transformers and "T" pads. Voice can be used with musical background.

Plug-in Input Connections

Through polarized socket for Double Button Carbon Microphone connections and tip jacks for Phonograph or Radio connections. Microphone connects through special humless input transformer which is mounted on chassis. Phono-Radio connects direct to grid of tube.

Price of 15 Watt Carbon AMPLIFIER Only

J10013—For use on 105-120 volt, 50-60 cycle A.C. As described above. **Less Tubes.**
List Price $60.00.
YOUR PRICE **$28.50**

J10014—Complete with Six Matched Sylvania or Raytheon Tubes including 2-57's, 1-56, 2-2A3's, 1-5Z3.
List Price, $65.75.
YOUR PRICE **$31.45**

Output Connections

Output transformer and speaker field supply are a part of amplifier. Connections are brought out to two polarized plug-in sockets and so arranged that either one or two speakers may be used as desired without changing internal wiring of amplifier. Output transformer is tapped at 500 and 1000 ohms. Speaker field supply is for one or two 2500 ohm field speakers and supplies 10 watts of power for each field.

Simple to Operate

Anyone can operate this Amplifier immediately. All controls are plainly marked with etched metal indicating plates. Easy to read.

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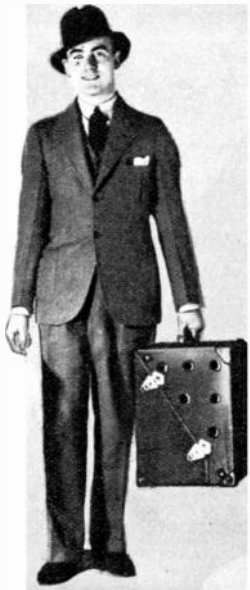
Hi-Gain AMPLIFIER

The Ideal Portable P. A. *System!*

For 105-120 Volt AC Operation . . . Quiet . . . No Hum



8-Watt DeLuxe P. A. System Complete Equipment Includes:

1. **Four-stage, 8-Watt High Gain Amplifier,** particularly designed to obtain full efficiency when used with Crystal or Velocity "Mike."

2. **High grade Diaphragm Type Crystal Microphone** which is best all around "mike" available for Public Address use. Free from background noise, practically indestructible and gives exceptionally fine reproduction for voice or music.

3. **Microphone Floor Stand** extends up to 67". Has heavily weighted base to prevent tipping.

4. **Matched set of six Sylvania or Raytheon tubes** including 1-57, 1-53, 2-2A5's, 1-5Z3, 1-56.

5. **Two 12" Rola D.C. Dynamic Speakers with** 1000 ohm field and Line Matching Transformers.

6. **One A.C. Speaker Field Power Supply** complete with 80 rectifier tube.

7. **50 Feet of Four-Wire Heavy-Duty Rubber-Covered Cable** is connected to each speaker. Polarized plug on other end connects speakers to amplifier.

8. **50-foot Shielded Rubber-Covered Extension Cable** with plug for microphone.

Prices of 8 Watt Public Address System Ready to Install

Complete Sound System as described above, with Diaphragm Type **Crystal** Microphone.
J10026—List Price, **$142.00.**
YOUR PRICE..... **$72.25**

Complete Sound System as described above with **Radolek Velocity** Microphone instead of Crystal Mike.
J10031—List Price, **$154.50.**
YOUR PRICE..... **$79.65**

Complete Sound System as described above with Brush B2S **Cell Type Crystal** Microphone (not illustrated) instead of Diaphragm Crystal Mike.
J10022—List Price **$164.50.**
YOUR PRICE..... **$85.50**

Ruggedly Built

Construction throughout is exceptionally rugged and all components are considerably oversize to withstand continuous usage under the most severe conditions.

Amplifier Characteristics and Specifications

1. **8-Watt Undistorted Power-Output** to speaker voice coils.
2. **Four Stages with Six Tubes:** 1-57, 1-53, 1-56, 2-2A5's, 1-5Z3.
3. **Supplies 10 Watts field supply** for 1000 ohm Speaker field coil.
4. **Approximately 138 D.B. gain** at 1000 cycles.
5. Flat Frequency characteristic curve from 40 cycles to 9000 cycles within 1 D.B.
6. **High Impedance Input** connections for operating Crystal or Velocity Microphones.
7. **Microphone Volume Control** on chassis.
8. **Phonograph Volume Control** mounted on chassis.
9. **Mixing and Fading** accomplished by special circuit, making transformers and pads unnecessary.
10. **Hi-Lo Tone Control.**
11. **Etched Metal Indicating Plates** under each control.
12. **Jeweled Ruby Pilot Light** indicates when A.C. power is on.
13. Output Impedance tapped at 1000 and 500 ohms.
14. **Plug-in Inputs and Outputs.**
15. Only .002 volts input signal required to obtain maximum output.
16. **Hum Level less than .1 of 1%** of total output.
17. Power required: 105-120 volts, 50-60 cycle A.C.
18. **Power Consumption only 75 Watts.**
19. Ten-foot super-service power connection cord with unbreakable rubber attachment plug.
20. **Easily renewable fuse** in power supply.
21. All parts mounted on a strong rigid steel chassis and entire unit finished in rich baked black enamel.
22. Bottom Protecting Plate with four rubber feet entirely encloses base.
23. Overall height 8¾", Base width 6½". Length 15". Chassis height 3¼".
24. Net weight 12½ lbs. Shipping weight 20 lbs.

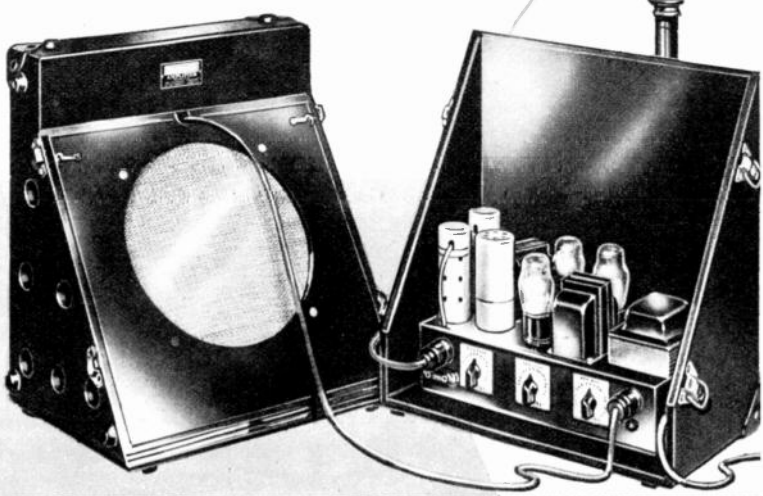
Price of 8 Watt Crystal Complete Portable System All Ready to Install

Price includes Diaphragm Type Crystal Microphone, Floor Stand, 50 feet of Mike Cable, One 12" Rola D.C. Dynamic Speaker with 50 feet of Speaker Cable and the 4-stage, 8-Watt Amplifier described above, housed in the strongly reinforced PORTABLE carrying case covered with durable black fabrikoid covering illustrated below. Case is made in split sections. One section houses amplifier and the other section houses and furnishes baffling for the speaker. Case size: 17½" high, 16½" wide, 12" deep. Weight of system is 42 lbs.
J10024—List Price, **$130.00.**
Complete with tubes.
YOUR PRICE..... **$68.25**

Easy to Carry
Case when closed is as illustrated above. Convenient, neat and professional in appearance. A DeLuxe Portable Amplifying System.

Finest Quality Chrome-plated Portable Microphone Stand, constructed in three sections, telescopes together to easily fit in space provided in the carrying case.

Portable Carrying Case
Entire System is housed in this sturdy Carrying Case. One Section contains Amplifier, the other contains the Speaker. Case is covered with durable Black Fabrikoid. Metal Corner guards. Leather handle. Metal screen protects speaker cone. Button flap covers opening for protection against weather. Total weight only 42 lbs.



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8 WATT RADOLEK

For Crystal or Velocity Mikes

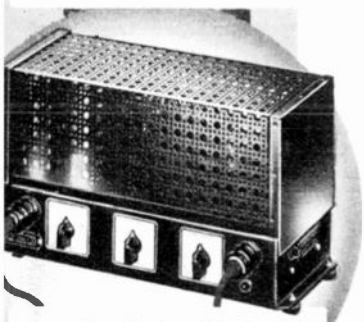
Easy to Operate . . . Powerful . . . Class "A"

★Four Stages ★138 D.B. Gain ★Hi-Lo Tone Control ★Dual Channel Input ★High Fidelity ★Plug-In Hook-up ★Complete Mixer and Fader ★Separate Volume Controls ★1000 and 500 Ohm Line Output ★Quiet Operation

Use Velocity Microphone
for highest quality reproduction of voice and music in installations which are particularly subject to acoustical feed-back.

* * *

Use Diaphragm type Crystal Microphone for high quality reproduction of either voice or music.



Installation Shield
Provides proper mechanical protection for Amplifier and allows ample ventilation. Strong steel construction. Baked Black Enamel finish.
J10025 List Price, $2.75.
YOUR PRICE $1.62

Portable Power!

A new compact 8-Watt Amplifier, primarily designed for use with Crystal or High Impedance Velocity Microphones. Easy portability, speedy installation, simplicity of operation and high fidelity reproduction makes this Amplifier the ideal unit for use by small dance orchestras and night clubs. Solves the problem of adequate coverage for stringed instrument orchestras. Ideal for assisting vocal artists in carrying their voices to the audience above the orchestral background. In addition to above, the system is suitable for use in all types of public gatherings — Lodges, Churches, Funeral chapels, etc. Public speakers will add much to the effectiveness of their work by using this Portable System. Ideal for Audition Studios. May be used indoors or outdoors. Power Output will supply fine quality, clear voice and music to an indoor audience of from 1000 to 3000 people or over an outdoor area of from 5000 to 10,000 square feet.

Easy to Install

Installation is simple, easy and fast. You don't have to be a Sound Expert. When system is made up in portable cases, **the entire outfit can be put up or taken down in five minutes. All connections are through Plugs and Sockets and are so arranged that it is impossible to put any plug into a wrong socket.** All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. Comes complete with all instructions so that anyone can make an efficient and creditable installation.

Simple to Operate

Anyone can operate this Amplifier immediately—you don't have to be an Engineer. All controls are plainly marked. Operating and installation instructions are included.

Latest Improvements

This Amplifier is carefully designed . . . right up to the minute . . . has every modern quality feature including: Individual Input Volume Controls, Convenient Plug-in Input and Output connections, Complete Built-in Mixing and Fading Equipment, Tone Control for Acoustic Compensation, Provision for Using Either A.C. or D.C. Speakers, and TWO Input Channels. Supplies field current for one 1000 ohm field D.C. Dynamic Speaker.

Hi-Lo Tone Control

An entirely new development in Tone Controls. This new Radolek Hi-Lo Tone Control will accentuate either lows or highs as desired. The higher frequencies bring out clear crisp speech reproduction, whereas low frequencies are desirable for organ music and for eliminating acoustical feed-back. A.C. Power Switch is combined with this Control.

Complete Mixing System

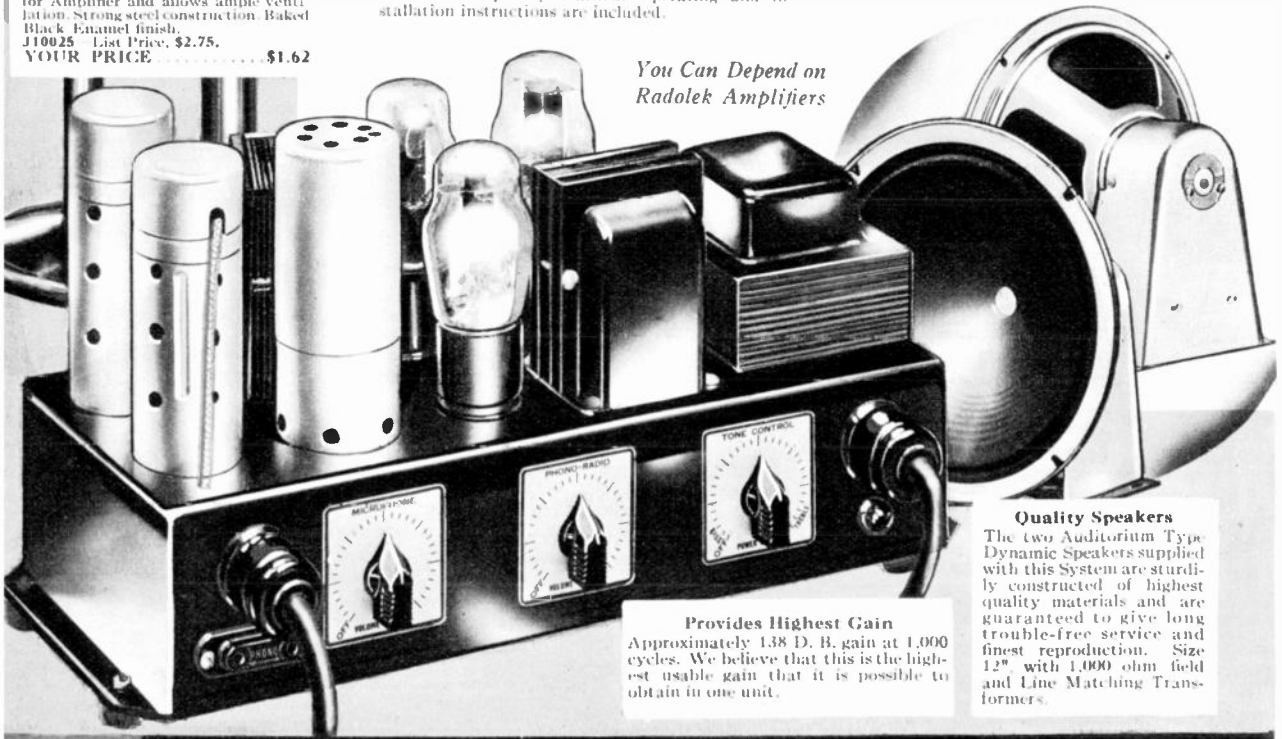
An extremely valuable feature is the BUILT-IN 2 CHANNEL MIXER which aside from eliminating an extra piece of equipment, this feature permits the gradual fading in and out or the mixing of two separate inputs. One High Gain Channel will handle either Crystal or High Impedance Velocity Microphone. The other channel will handle phonograph pickup.

Price 8 Watt AMPLIFIER Only

J10008—**8-Watt, 4-stage Crystal Microphone Amplifier.** Factory wired, Laboratory tested without Tubes.
List Price, $46.50.
YOUR PRICE **$24.50**

J10009—**Complete with Six Matched Sylvania or Raytheon Tubes:** 1-57, 1-53, 1-56, 2-2A5's, 1-5Z3.
List Price, $52.50.
YOUR PRICE **$27.75**

You Can Depend on Radolek Amplifiers



Provides Highest Gain
Approximately 138 D. B. gain at 1,000 cycles. We believe that this is the highest usable gain that it is possible to obtain in one unit.

Quality Speakers
The two Auditorium Type Dynamic Speakers supplied with this System are sturdily constructed of highest quality materials and are guaranteed to give long trouble-free service and finest reproduction. Size 12", with 1,000 ohm field and Line Matching Transformers.

THE RADOLEK COMPANY
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P. A. AMPLIFIER

FOR PORTABLE INSTALLATIONS
FOR 105-120 VOLT, 50-60 CYCLE A. C. OPERATION

8 Watt Carbon Mike System Complete Equipment Includes:

1. **Double Button Carbon Microphone** gives excellent reproduction for speaker's voice and will give good results on musical pickup. $10.00 list.

2. **Floor Stand Complete** with microphone ring and eight mounting springs, adjustable from 27½ in. for banquet use to 67½ in. for floor use. When telescoped will fit inside carrying case.

3. **Two Stage 8 Watt Amplifier Complete** with Mike transformer, Mike current supply, Control unit and speaker field supply. Completely described above.

4. **Matched Set of Four Sylvania or Raytheon Tubes** including 1-6A6, 2-42's, 1-5Z3.

5. **Two 12-inch Good Quality D.C. Dynamic Speakers** with 2500 ohm fields and output transformers which match output of amplifier.

6. **30-Foot Two-Wire Good Quality Shielded Rubber Covered Microphone Cable** with polarized plug connects microphone to input of amplifier. Additional mike cable can be supplied at 6c per foot. Specify length of cable desired.

7. **Two 40-Foot 4 Wire Good Quality Heavy Duty Rubber Covered Cables** with polarized plugs connect speakers to output of amplifier.

Prices of 8 Watt Carbon Mike Portable System Complete Ready to Install

No Carrying Cases or Phonograph. System complete as described.
J10042–List Price, **$100.00.**
YOUR PRICE **$49.00**

Price With Phonograph

Equipment same as above but with only ONE speaker and mounted in a strongly reinforced carrying case covered to match phonograph case. Houses amplifier and speaker. Case is made in split sections. One section houses and furnishes baffling for the speaker. Case size: 17" high, 15½" wide, 11" deep. Phonograph case size: 7" high, 17½" wide, 14¾" deep. Weight of system with Phonograph is only 65 lbs. Complete system as specified with one speaker and with Portable Phonograph.

J10002—List Price, **$130.00.**
YOUR PRICE **$71.25**

Complete system with one speaker as specified but **LESS Phonograph.**
J10003—List Price, **$85.00.**
YOUR PRICE **$47.25**

Amplifier Characteristics and Specifications

1. **8 watts Undistorted Power Output** to speaker voice coils.
2. **Two stages with four tubes:** 1-6A6, 2-42's, 1-5Z3.
3. **Supplies 20 watts for 2-2500 ohm field speakers.**
4. Approximately **68 D. B. gain** at 1000 cycles.
5. **Frequency Characteristic Curve** flat within 1 D.B. from 40 to 9000 cycles.
6. **Only .4 volts Input Signal required** to obtain maximum output.
7. **Input connections for one Carbon Microphone and Phonograph or Radio.**
8. Supplies semi-variable **current for one double button carbon microphone.**
9. **Separate Volume Control** for microphone input.
10. **Separate Volume Control** for phonograph or radio input.
11. Complete **Mixing and Fading System** using a new and efficient system.
12. Combination **Tone Control and** A.C. power switch.
13. Etched Metal Indicating Plate under each control.
14. **Output Impedance** 1000 ohms tapped at 500 ohms.
15. **Plug-in Inputs and Plug-in Output.**
16. **Hum level less than 0.1 of 1% of total output.**
17. **Jewelled Pilot Light** indicates when power is "on."
18. Power consumption 55 watts.
19. Power supply required 105-120 volts, 50-60 cycles A.C.
20. Easily accessible **Screw-in Tubular Fuse** protects power supply.
21. **Ten foot** rubber-covered super service power connection **Cord** with unbreakable rubber attaching Plug.
22. **Bottom Protecting Plate** with four rubber feet entirely encloses base.
23. **Rich baked on Black Enameled Finish.**
24. Overall height 8¼ in. Base size 8 in. wide, 15 in. long, 3½ in. high.
25. Net weight 7 lbs. Shipping weight 10 lbs.

Double Button Carbon Microphone gives excellent response for voice and good response on music. Floor stand extends 67 inches and can be collapsed so as to fit in Portable Carrying Case.

Portable Phonograph includes High-grade Magnetic Pick-up and Dual Speed Phonograph Motor with 12-inch weighted turntable all mounted in handsome Fabrikoid covered strongly reinforced Black Portable Carrying Case.

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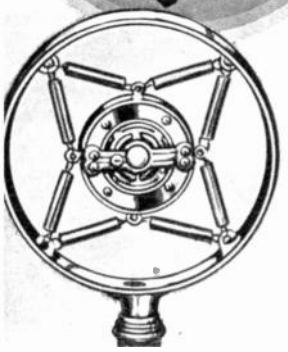
8 WATT

RADOLEK *Carbon Microphone*

FOR PERMANENT INSTALLATIONS

POWERFUL PERFORMANCE AT LOW COST

★ Two Channel Input for Microphone and Phonograph or Radio
★ Separate Volume Control for Each Input ★ Two Stages
★ 20 Watts Speaker Field Supply ★ Mike Button Current Supply
★ 1000 and 500 Ohm Line Output ★ Complete Mixer and Fader
★ Plug-in Connections ★ Tone Control ★ Class "A" ★ 4 Tubes



Full size Double Button Carbon Microphone gives excellent response for voice and good response on music. Floor stand is two section and extends up to 67 inches. Has Heavily weighted base to prevent tipping.

Installation Shield

Provides perfect mechanical protection and allows ample ventilation. Rigid Steel Construction. Baked Black Enamel finish. **J10021** List Price **$2.75.**

Your Price **$1.62**

Newest Design

An 8-Watt Medium Powered Amplifier for use with carbon microphones in the smaller Public Address Installations. For extreme compactness and tructone dependability, this Amplifier has no equal at this low price. Although primarily designed for portable use, there are many permanent installations for which it will be especially suitable. **We recommend it for the smaller installation in which speech pickup is the primary consideration** such as: Small Auditoriums, Club Rooms, Lodges, Store Advertising Systems, Small Call Systems, etc. For orchestras and singers we recommend the use of a Crystal Microphone System such as the portble system listed on pages 112 and 113.

Complete Coverage

Incorporates microphone input transformer, microphone current, complete 2-channel mixing and fading system, and power amplifier. At full power output amplifier will supply fine quality clear voice and music to an indoor audience of from 1000 to 3000 people or cover an outdoor area of from 5000 to 10,000 square feet, the exact coverage depending upon prevailing noise levels. Can be used to operate one large dynamic cone speaker or horn unit, or up to six smaller dynamic speakers or 10 magnetic cone speakers or 40 headsets or any proportionate combination of any of them.

Easy to Install

You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. It's simple, easy and fast. When system is made up in portable cases, the entire outfit can be put up or taken down in five minutes. All connections are through Plugs and Sockets and are so arranged that it is impossible to put any plug into a wrong socket. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. Comes complete with all instructions so that anyone can make an efficient and creditable installation

Compact . . . Complete

8 Watts Undistorted Power is generated by a circuit of newest design incorporating the latest sound engineering improvements. A Combination Tone Control and A.C. Power Switch is incorporated in this Amplifier. Regulates tone quality of both input channels . . . proves particularly useful in compensating for poor room acoustics or a poor speaking voice.

Two Channel Mixer

An extremely valuable feature, that eliminates an extra piece of equipment, is the **Built-In Two Channel Mixer.** This feature permits the gradual fading in and out or the mixing of two separate inputs . . . enabling you to bring out a singing voice or solo, an instrument above a musical background, etc.

Input Connections

Are to a four-prong socket for microphone and to a phone jack for phonograph. Two volume Controls are provided. One controls the microphone, the other controls phonograph. A New Mixing System eliminates losses and improves frequency characteristics. Microphone input transformer is part of amplifier. Microphone button current is supplied. Speakers are high quality **Auditorium** 12-inch D. C. Dynamics complete with output transformers and forty feet of cable. Will carry full output of Amplifier without distorting.

Price of 8 Watt Amplifier Only

J10000 Factory Wired. Laboratory tested. **Less Tubes.**

List Price, **$37.50.**

YOUR PRICE **$16.75**

J10001 —Complete with **Four Matched Sylvania or Raytheon Tubes** 1-6X6, 2-42's, 1-5Z3.

List Price, **$41.60.**

YOUR PRICE **$18.85**

You Can Depend on Radolek Amplifiers

Speaker Connections

A Polarized Socket is mounted on front and rear of amplifier for connection of speakers. Connections are so arranged that one or two speakers can be plugged in as desired without change of amplifier wiring. Dummy plug is inserted in one socket when only one speaker is to be used. Output Impedance is 1000 ohms tapped at 500 ohms. Speakers furnished with system have proper matching transformers to match output of amplifier. Speaker field supply is 20 Watts for 2-2500 ohm field speakers. Fields are not used as part of filter system hence if it is desired to operate magnetic or A. C. speakers no external fields or chokes need be connected.

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5 WATT

RADOLEK Pony
PUBLIC ADDRESS AMPLIFIER

Features: ★For Crystal Microphone ★Two Stages ★95 db. High Gain ★Volume Control ★Tone Control ★Sloping Panel ★Speaker Field Supply ★Plug-In Connections ★Easy to Operate ★Trouble-Free ★"Humless"

For 105-120 Volt 50-60 Cycle A. C. Operation . . . Class "A"

For Crystal Microphone

A compact three-tube A.C. Amplifier having a full output of 5 Watts and the exceptionally High Gain of 95 db. Designed for use with Crystal Microphone. Brings you sensitivity, clear tone and efficiency comparable to many four-stage amplifiers. While this Amplifier cannot be compared with the large High Gain Crystal Mike Amplifiers listed in this book, it will serve perfectly for smaller installations such as Inter-communicating Systems, Small Orchestras, Window Demonstrations, Entertainment Purposes in Small Taverns, to take care of Overflow Crowds in Churches, in Small Theatres for "Bank" Night, "Screeno," etc. **At full power output, sound will adequately cover an indoor audience of up to 1000 people or an outdoor area of up to 5000 square feet.**

4 Stage Efficiency With 2 Tubes

Radolek Engineers have developed an entirely new circuit making it possible to obtain the **efficiency of 4 stages of amplification using only two tubes.** One type 79 and one 6B5 are used as amplifiers and one type 80 as rectifier. **Input is High Impedance.** Crystal Microphone or Phonograph or Radio can be connected direct without use of any coupling transformers. The Master Volume Control gives complete control over all inputs. **Combination A.C. Switch and Tone Control gives complete variation of tone from high treble to low bass.**

Price of 5 Watt P. A. System Complete Equipment Includes

1. **Diaphragm Type Crystal Microphone Complete** with 15-foot Rubber Covered Shielded Cable and plug. Will give excellent reproduction for either voice or music.
2. **Microphone Floor Stand** extends up to 67 inches.
3. **Two Stage, 5 Watt Crystal Microphone Amplifier.**
4. **Set of Three Matched Sylvania or Raytheon Tubes** including 1-79, 1-6B5, 1-80.
5. **12" Finest Quality D.C. Dynamic Speaker.** Has 2500 ohm field and output transformer to match amplifier.
6. **30 feet of 3 Conductor Quality Rubber Covered Cable** and plug for connecting speaker to amplifier.

J10028—Complete system as described above. List Price, $81.75.
YOUR PRICE **$41.78**

Easy to Install

You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. **All connections are through Plugs and Sockets** and are so arranged that it is impossible to put any plug into a wrong socket. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. It's simple, easy and fast. Comes complete with all instructions so that anyone can make an efficient and trouble-free installation.

Output Connections

Speaker connections are made to 4-prong plug-in socket. Speaker with 2500 ohm field and matching transformer for single 6B5 tube is to be used, as output transformer is not a part of amplifier and speaker field is used as choke in Filter system. Speaker field supply is 5 Watts. Two magnetic speakers or one dynamic speaker can be used in addition to original dynamic speaker if desired.

Amplifier Specifications

1. **5 Watts Power** to speaker voice coils.
2. **Field Current** for 2500 ohm field speaker.
3. **Two Stages,** 3 tubes: 1-79, 1-6B5, 1-80.
4. **95 db. Gain** at 1000 cycles.
5. Frequency Characteristics Curve, **Flat within 1 db.** from 40 to 9000 cycles.
6. **Master Volume Control** with etched metal indicating plate.
7. Combination **Tone Control** and A.C. Switch.
8. Output Impedance 7000 ohms.
9. Input Impedance **for Crystal Microphone or Phono or Radio.**
10. **Plug-In Input and Plug-In Output.**
11. **Only .04 volts Input Signal** required for maximum output.
12. Hum level .08 of 1% of total output.
13. Power consumption 55 watts.
14. Power supply 105-120 volts 50-60 cycles A.C.
15. 8-foot Super-Service power cord with plug.
16. Rich baked-on black enameled finish.
17. Overall size, 7½" high, 11" long, 5" wide.
18. Net wt. 7 lbs. Shpg. wt. 10 lbs.

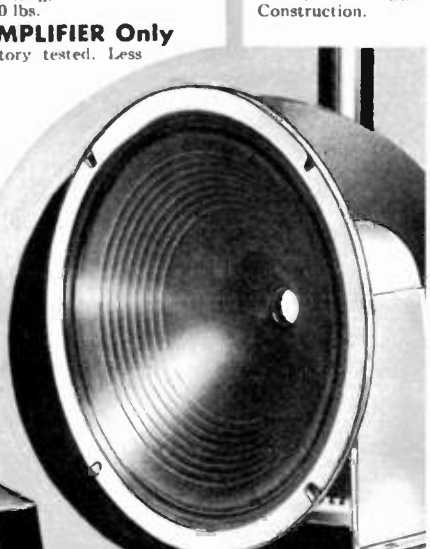
Prices of 5 Watt AMPLIFIER Only

J10029—Factory wired, Laboratory tested. Less tubes. List Price, $25.00.
YOUR PRICE **$13.23**

J10030 — With three Sylvania or Raytheon matched tubes, 1-79, 1-6B5, 1-80. List Price, $29.30.
YOUR PRICE **$15.31**

Crystal Microphone

For Wide Range Reproduction of Speech and Music. Clearer Tone, Greater Sensitivity and rugged Construction.



New Type Sloping Panel

Radolek again pioneers another new development . . . THE SLOPING PANEL . . . affording 1937 styling and professional appearance far superior to any other line of Amplifiers. This new Sloping Panel is finished in a lustrous baked black enamel to match the rest of chassis. The control Indicator Plates are of Frosted aluminum with black etched numerals. Knobs are new style bar type. Radolek Amplifiers are easy to operate . . . All component parts are quality parts . . . The Greatest Value for your amplifier dollar and with superlative performance

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5 WATT RADOLEK "Junior"

PUBLIC ADDRESS AMPLIFIER

For 105-120 Volt 50-60 Cycle A. C. Operation

★ Class "A". ★ Two Stages. ★ Volume Control
★ Tone Control. ★ Plug-In Input and Output
★ Speaker Field Supply. ★ High Impedance Input

●Particularly Recommended for Small Low Priced Installations Such As: Small Call Systems, Inter-Communicating Systems, Store Advertising, Small Auditoriums, Clubrooms, Telephone Boosters and to cover small gatherings where the speaker's voice needs help in covering the entire audience.

For Carbon Mike

A new modern Inexpensive 5-Watt Amplifier with exceptional power and unusually fine tone quality. For Use with Carbon Microphone. This Radolek Amplifier although priced low was designed by the same engineers, built of the same quality parts and with the same care as the most expensive Radolek amplifiers. **At maximum power, provides excellent coverage for indoor Audiences of from 500 to 1000 people or over an outdoor area of from 3000 to 5000 square feet. Installation is simple, easy and fast** . . . just a few minutes required. You don't have to be a Sound Engineer to hook-up Radolek Amplifiers. **All connections are polarized plug-ins. Anyone can operate this Amplifier.** All operating and installation information is included. This Radolek Junior Amplifier is offered complete in a popular low-priced Sound System suited for small installations where limited coverage is desired.

5 Watt "Junior" P. A. System Complete Equipment Includes:

2-stage, 5-Watt 2B6 Amplifier—A good quality Double Button Carbon Microphone—Microphone Desk Stand complete with eight suspension springs—Double Button Microphone Transformer—4½ volt tapped "C" battery for mike current—8½ in. 2500 ohm field D.C. Dynamic Speaker with output Transformer—Set of Three Matched Sylvania or Raytheon Tubes; 1-57, 1-2B6, and 1-80.—20 feet of 2-Conductor Shielded Microphone Cable—10 feet of single conductor shielded Cable with pin tips—30 feet of 3-Conductor Speaker Cable with Polarized Plug.

Price of 5 Watt System Complete Ready to Install

J10007—Complete 5 Watt System as described. List Price, **$40.50.**

YOUR PRICE

$19.75

Specifications

1. **5 watts power to speaker voice coils.** Field current for 2500 ohm field speaker.
2. **2 stages with 3 tubes:** 1-57, 1-2B6, 1-80.
3. **70 D. B. gain** at 1000 cycles.
4. **Frequency characteristic curve flat** within 1 D. B. from 40 to 9000 cycles.
5. **Master volume control** with etched metal indicating plate.
6. **Combination Tone Control and A. C. power switch** with etched metal indicating plate.
7. Output impedance 5000 ohms.
8. Input impedance ½ meg. across volume control.
9. **Plug-in input and plug-in output.**
10. Only **0.4 volts input signal** required for maximum output.
11. For Carbon Mike operation.
12. Hum level .08 of 1% of total output.
13. Power consumption 55 watts.
14. Power supply 105-120 volts 50-60 cycle A. C.
15. 8-foot Super Service power cord with unbreakable rubber attaching plug.
16. Bottom protecting plate with four rubber feet entirely encloses base.
17. **Rich baked-on black enameled finish.**
18. Overall height, 7¼"; base size, 2½" high, 11" long, 5" wide.
19. Net wt. 7 lbs. Shpg. wt. 10 lbs.

Price of AMPLIFIER Only

J10005—Factory wired, laboratory tested without tubes. List Price, **$17.00.**

YOUR PRICE **$8.95**

J10006—With three Sylvania or Raytheon matched tubes, 1-57, 1-2B6, 1-80. List Price, **$24.00.**

YOUR PRICE **$10.85**

Schematic wiring diagram and complete instructions for operation are included with each Amplifier.

You Can Depend on Radolek Amplifiers

Hand Microphone

System as described above except with Kellogg single button Hand Microphone instead of two button mike and stand illustrated above.

J10043—List Price, **$36.00.**
YOUR PRICE . . . **$17.50**

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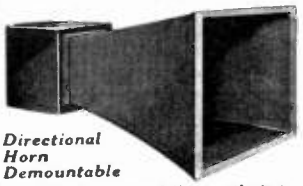
World Radio History

PUBLIC ADDRESS SPEAKERS and TRUMPETS

Radolek Dynamic Horns



Trumpet Type

22"x23" Opening, 25" Deep

Directional Horn Demountable

Directional characteristics particularly adapt this speaker for outdoor installations where sound must be carried over comparatively long distances. Comes knock-down, and is assembled by a few machine screws and bolts. Can be taken down or set up in a few minutes. Constructed of 3 ply veneer fully weather-proofed and finished in aluminum. Horn size 22"x23" at opening x 25" deep. Speaker housing 15¾"x15¾"x11" deep. Type A takes speaker with cone sizes of 10, 11 and 12 inches. Type B takes cone sizes of 7, 8 and 9 inches.

With Housing

4J10390—Type A.
4J10391—Type B.
List Price, $14.50.
YOUR PRICE **$8.25**

Less Housing

4J10392—Type A.
4J10393—Type B.
List Price, $9.50.
YOUR PRICE **$5.40**

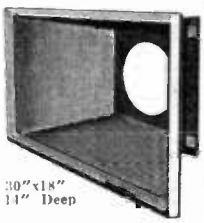
Flare Type Demountable

With Housing

4J10394—Type A
4J10395—Type B
List Price, $12.00.
YOUR PRICE.. **$6.80**

Less Housing

4J10396—Type A
4J10397—Type B
List Price, $7.00
YOUR PRICE.. **$3.95**



30"x18" 14" Deep

Same general construction as above horn but has more flare hence is more suitable for Auditorium use where sound must cover a wide angle. Horn size 30"x18" opening by 14" deep.

Directional Baffle

For 6" Cone Units

14J10398—
List Price, $24.65.
YOUR PRICE **$14.50**

Scientifically designed particularly for use with 6" cone units such as listed below. Has the sound projection qualities of the horn unit type of trumpet yet it retains the full frequency response that is possible only with a cone speaker. Very rugged in construction. Horn is absolutely weather-proof and will stand up under an unusual amount of abuse. Finished in aluminum. All seams joined by a one piece brass welting. Comes complete with brackets for mounting and canvass cover for mouth of horn. Overall size Bell 30"x30", length 4 feet. Shipping weight 25 lbs.

Public Address Cone Unit

For Use with Above Trumpet

6" Cone Diameter
List Price Each, $25.00.
YOUR PRICE, EACH
$10.25

4J10716—With 1000 ohm field.
4J10717—For 6-8 Volt field excitation.

Has the power handling capacity of the dynamic unit yet retains the full rich tone of a cone speaker. Adapted for use with directional baffle in installations where sound must be transmitted over a great distance. Oversize field coil and correct spacing of voice coil with reference to field make this unit exceptionally sensitive giving a high ratio of accoustic output to electrical input. Cone is made of an especially tough paper that will handle enormous volume without breaking down. Extremely flexible spider allows full movement of cone yet keeps it perfectly centered at all times. Will handle 15 watts continuously and 30 watts peak. Voice coil impedance 6 ohms. V. C. diam. 1¾". Overall size 6¾" dia. by 5¾" deep. Shipping weight, 10 lbs.

Racon Horns and Units

3½ Foot Trumpets

Bell 22 In. Round

14D10225—**Regular:** Equipped with metal beaded edge, metal ferrule and suspension ring. Adapted for ⅞"—18 inch threaded unit. For indoor use only. Weight, 6½ lbs.
List, $22.00.
YOUR PRICE **$12.94**

14D10226—**DeLuxe:** Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. For indoor or temporary outdoor use Weight, 7 lbs. List, $27.50.
YOUR PRICE **$16.15**

14D10227—**Stormproof:** Equipped with metal beaded edge, metal ferrule and suspension ring. Guaranteed for one year. For outdoor use in all climates and all weathers. Weight, 9½ lbs.
List, $44.00.
YOUR PRICE **$25.88**

4½ Foot Trumpets

Bell 24" Round

Equipped with rolled-on metal beaded edge and half length cast aluminum tone arm, particularly designed for efficient high frequency transmission. Bell section of the special non-vibrating acoustic cloth. The two sections can be quickly assembled or dissembled. Three suspension points. Equipped with flexible coupling for unit attaching.

F10233—**De Luxe:** For indoor use. Weight 13 lbs. List Price, $44.00.
YOUR PRICE **$25.97**

F10234—**Stormproof:** Guaranteed for all climates and weathers. Weight 15 lbs.
List Price, $60.50.
YOUR PRICE **$35.57**

6 Foot Trumpet

Bell 30 In. Round

F10228—**Regular:** Equipped with metal beaded edge, cast aluminum throat and 4 inch suspension ring. For indoor use only in all climates. Weight, 17 lbs. List, $58.50.
YOUR PRICE **$34.40**

F10229—**Stormproof:** Equipped with metal beaded edge, cast aluminum throat and 4 inch suspension ring. For outdoor use in all climates and weathers. Weight, 21 lbs.
List, $75.00. YOUR PRICE **$44.10**

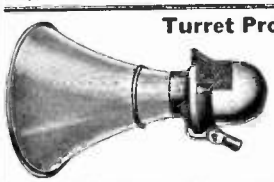
Bullet Projector

List Price, $16.00.
YOUR PRICE.. **$9.40**

4J10205—For 12" Speaker.
4J10206—For 8" Speaker.

Designed to be used with 8" or 12" dynamic cone speakers. Suitable for Sound Amplification Systems in which sound must cover a wide angle but does not have to carry over long distances. **May be used indoors or outdoors.** Acoustic padding, and proper air release gives wide range response without rattles or distortion. Opening is protected by grill cloth and screening. Is of all steel construction finished in silver. Size 11" deep, 14" diameter.

Turret Projector



14J10204
List Price, $90.00.
Your Price
$52.92

A new Horn Projector for use with dynamic cone speakers. Gives the full tonal quality that can be obtained only from a cone type speaker yet gives a distance projection that cannot be obtained with the usual type of baffle. Speaker is mounted in on all steel accoustically damped bullet back attached to horn. Horn is of heavy gauge aluminum with beaded edge and cast aluminum coupling. Bronze mounting bracket has ½" pipe thread for mounting. Speaker is 12" dynamic cone type capable of handling 10 Watts power continuously. Response is essentially flat from 50 to 7500 cycles. Voice Coil impedance 8 ohms. 1500 ohm field requires 15 Watts dissipation. **Other field resistances can be supplied at no extra charge.**

Electro-Dynamic Units

For Use on Trumpets or Theatre Reproducers

Master

750 ohm field for 110 V. D.C. excitation. 15 ohm voice coil impedance at 1,000 cycles. Continuous operating capacity 20 watts. Peak load capacity 50 watts. Lightweight hi-powered unit especially suitable for portable systems and permanent installations where heavier units are not required. The perfect reproducer. Weight 13½ pounds.
F10237—List Price, $44.00
YOUR PRICE **$25.87**

Super-Giant

Type B Diaphragm

750 ohm field for 110 V. D.C. excitation. 15 ohm voice coil impedance at 1,000 cycles. Continuous operating capacity 25 watts. Peak load capacity 50 watts. Particularly adapted for theatre and auditorium use where the finest quality reproduction is required. Weight 20 pounds.
F10235—List Price, $66.00.
YOUR PRICE **$38.81**

Junior

750 ohm field for 110 V. D.C. excitation. 15 ohm voice coil impedance at 1,000 cycles. Continuous operating capacity, 15 to 20 watts. Peak load capacity, 40 Watts. Weight 11 pounds.
4D10238—List Price, $35.75.
YOUR PRICE **$21.00**

Type A Baby Unit

1000 ohm field for 110 V. D.C. excitation. 15 ohm voice coil impedance at 1,000 cycles. Continuous operating capacity 5 watts. Peak load capacity 10 watts. Weight 6¾ pounds.
4D10239—List Price, $24.75.
YOUR PRICE **$14.55**

High Frequency Tweeter

Built to meet the latest requirements for wide range reproduction. Covers frequency band from 3000 to 8,000 cycles. When used in conjunction with dynamic speaker giving good low frequency response high fidelity reproduction is obtained over the entire audio band. Field resistance 1000 ohms for 110 volt D.C. operation. Voice coil impedance 15 ohms and will handle 5 watts continuously with 7 watts peak. Size 6¾" long overall. Horn bell 3" dia.
4J10714—List Price, $20.00.
YOUR PRICE **$11.76**

Two Path Filter Network

For coupling above speaker and low frequency dynamic speaker to 500 ohm output of amplifier. One path cuts off sharply at 3000 cycles for low frequencies. The other path is from 3000 cycles up for high frequencies. Shipping weight 3 lbs.
4E10715—List Price, $20.00.
YOUR PRICE **$11.76**

4½ Foot Aluminum Trumpet

Single or Double Throat 24 in. Bell

F10245—Single Unit Type:
List Price, $50.00.
YOUR PRICE **$29.40**

F10246—Double Unit Type:
List Price, $57.50.
YOUR PRICE **$33.81**

Heavy guage all aluminum construction cast aluminum throat, reinforced bell rim, positive clamping edges, loose coupling for unit attachment. Demountable into two sections. Proper acoustic design to reproduce full range response.

The trumpet horns and units listed on this page are particularly designed and recommended for very large installations where sound must be projected over large areas as in athletic fields, large stadiums, and large outdoor gatherings. For smaller installations we recommend the use of dynamic cone speakers and flared projectors.

World Radio History

PUBLIC ADDRESS DYNAMIC CONE SPEAKERS

Rola Electro Dynamic
Public Address Speakers

Model G-12—12⅛ In. Overall Cone Size

The highest recommendation that we can give this speaker is that we have selected it for use with our larger Public Address systems. It is one of the best speaker buys available today. **Has a much greater efficiency and power handling capacity** than the average P.A. speaker, yet it retains a full rich tone that will satisfy the most discriminate music critic. Voice coil diam. 1¾ in. **Will carry 12 watts continuously** (25 watt peaks) impedance 9 ohms at 400 cycles. Power dissipation of field 10 to 20 watts, 15 watts for best operation. Excellent frequency response between 50 and 7500 cycles. Overall size: height 12⅝ in.; Width 12⅛ in., depth 7⅝ in. Shipping weight 22 lbs. Furnished complete with output transformer. Impedance 1000 ohms tapped at 500 ohms.

D. C. Model

For field excitation from Amplifier. Can obtain field supply from Radolek 15, 30, or 40 Watt A.C. Amplifiers complete with Line Transformer.

14J10617—1000 ohm field.
14J10618—1500 ohm field.
14J10616—2500 ohm field.
14J10619—4 ohm 6 volt field.

List Price, $21.00.
YOUR PRICE **$9.70**

A. C. Model

D.C. Field Speaker complete with external field exciter unit. Delivers ample current for full field excitation of Speaker. Complete with Line Transformer and rectifier tube.

14J10622
List Price, $27.00.
YOUR PRICE **$13.20**

Rola Dynamic Cone Speaker

Cone Size Overall 12⅛"

Although this Speaker does not have the power handling capacity of the model G-12 listed above, it proves an excellent Speaker for use on small Public Address Amplifiers or for installations using a number of Speakers from a large Amplifier. Will handle 8 Watts continuously (12 Watts peak load) with perfect fidelity at any volume level. Voice coil impedance 3 ohms at 400 cycles. Diameter 1 inch. Power dissipation of field 6 to 10 Watts. Comes complete with mounting base. Speaker size overall 12⅝" high, 12⅛" wide, 6¼" deep. 1000 ohm line transformer tapped at 500 ohms is included.

D. C. Model

For field excitation from Amplifier. Can obtain field supply from Radolek A.C. Amplifiers. Complete with Line Transformer.

14J10623—1000 ohm field.
14J10624—1500 ohm field.
14J10627—4 ohm 6 volt field.

List Price Each, $16.50.
YOUR PRICE **$6.95**

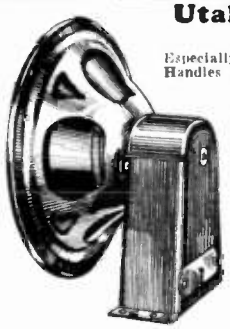
A. C. Model

D. C. field speaker complete with external field exciter unit. Delivers ample current for full field excitation of Speaker. Complete with Output Transformer and rectifier tube.

14J10625
List Price, $22.50.
YOUR PRICE **$10.20**

Utah 12" Stadium Speaker

Model 12B (15 Watts)



Especially suited for Public Address installations. Handles 15 watts input without over-loading, with 10 to 15 watts in the field. Cadmium finished steel frame. Improved moulded diaphragm. Diameter 12" overall height 12½", overall depth 6½". Power dissipation of field 10 to 15 watts. Voice coil diam. 1¼". Imp., 1.1 ohms. Voice coil dissipation 15 watts. Average 20 watts peak. Complete with universal output transformer.

	List Price	YOUR PRICE
F10260—1500 ohm field	$12.50	$7.35
F10261—1000 ohm field		

Model "A" 10" and 12" Speakers

Have extra large field pots which bring out the utmost in the diaphragms and provides marvelous fidelity of tone. Cadmium finished steel frames. Moulded ribbed diaphragms. Field dissipation 10 watts. Voice coil diam. 1". Imp., 6 ohms, Pwr., 8 watts. No output transformer included. Less Base.

10 Inch Diameter Depth 4¾"	Your Price, Ea.	*12 Inch Diameter Depth 6"*	Your Price, Ea.
F10253—2500 ohm field F10255—1000 ohm field	$4.41	F10256—2500 ohm field F10258—1000 ohm field	$5.29

Magnetic Speaker Chassis

8⅜" Diameter

The unit is of the balanced armature type and is magnetically and mechanically centered. Will handle 0.7 watt power input without rattling. An ideal speaker for original installation in battery set or for use as an extra extension speaker, with sets using dynamic speaker. An excellent speaker for use in public address systems in schools and hotels or for call systems. Makes an ideal magnetic unit to use in the walnut cabinet shown on page 41. Perforated rigid steel frame with mounting holes in outer diameter. Excellent tone quality with true fidelity. D.C. resistance of speaker winding 1000 ohms. Dia. 8⅜". Depth 4¾". No cord included.

F10450—List Price, $3.15.
YOUR PRICE **$1.79**

Oxford Chromavox
High Fidelity Dynamic Speakers

Particularly designed for Public Address use where a large amount of power output must be handled to produce best quality reproduction of both voice and music. New one piece cone with special resilient micarta spider maintains the voice coil in perfect alignment regardless of expansion or contraction of cone diaphragm with temperature changes. Cone is water proofed. Speaker will not be damaged by rain. Voice coil impedance 8 ohms. Exceptionally wide frequency response especially when mounted on large baffle. Output Transformer included. Impedance 1000 ohms tapped at 500 ohms.

Concert Auditorium

These models have a pleasing depth and brilliance of tone which is only possible because of the intense magnetic flux provided by the extra large field.

Voice coil handles 10 Watts continuously with 20 Watt peak. Voice coil impedance 8 ohms. Field should have 15 Watts for best operation. 110 volt 60 cycle A.C. model includes rectifier tube.

Sizes

12½" Concert—Height 12⅝", depth 9½", baffle opening 11". Wt. 14¾ lbs.
14" Concert—Height 14", depth 10½", baffle opening 12½". Net weight, 16¼ lbs. Shipping weight 19 lbs.

12½ Concert

Stock Number	Field Resistance	Your Price
14J 10630	1500 ohm	$8.82
14J 10646	1000 ohm	
14J 10635	4 ohm, 6 volts	
14J 10640	A. C. operated	$13.52

14" Concert

Stock Number	Field Resistance	Your Price
14J 10632	1500 ohm	$10.58
14J 10648	1000 ohm	
14J 10637	4 ohm, 6 volts	
14J 10642	A. C. operated	$15.58

Junior Auditorium

Similar construction to Concert Speaker, but uses a smaller field and is therefore not quite as sensitive as the Concert model. Voice coil handles 7 Watts continuously and 15 Watts peak. Voice coil impedance 8 ohms. Field should dissipate 10 Watts for best operation. 110 volt 60 cycle A.C. model includes rectifier tube.

Sizes

12½" Junior—Height 12⅝", depth 8", baffle opening 11". Net weight 9¾ lbs. Shipping weight, 14 lbs.
14" Junior—Height 14", depth 9", baffle opening 12½", net weight 11¼ lbs. Shipping weight, 14 lbs.

12½ Junior

Stock Number	Field Resistance	Your Price
14J 10647	1500 ohm	$6.25
14J 10631	1000 ohm	
14J 10636	4 ohm, 6 volts	
14J 10641	A. C. operated	$10.25

14" Junior

Stock Number	Field Resistance	Your Price
14J 10649	1500 ohm	$6.95
14J 10633	1000 ohm	
14J 10638	4 ohm, 6 volts	
14J 10643	A. C. operated	$10.95

ROLA Permanent Magnet Dynamic Speaker

Requires no field current. Especially designed for use in public address installations where it is impractical to supply energy for the field coil. Sensitivity and tone fidelity are comparable to that of the finest dynamic speakers. Vital parts shielded against the entrance of metallic particles and dust. An entirely new construction of the magnetic core gives greatly increased flux density and greater power handling capacity. Welded construction which is used throughout. Supplied complete with 1000 ohm tapped at 500 ohm line matching transformer.

Model PM6

Voice coil impedance 3 ohms, power handling capacity 5 watts continuous. Overall depth 3⅝ in. Baffle hole projects ⅜ in. from edge of cone. Overall depth 3⅝ in. Baffle hole should be 5¼ in. diam. Shipping weight, 8 lbs.

4E10620—List Price, $10.00.
YOUR PRICE **$5.75**

Model PM8

Voice coil impedance 2 ohms, power handling capacity 6 watts continuous. Overall cone diam. 8⅝ in. Magnet projects ⅝ in. from edge of cone. Overall depth 4⅞ in. Baffle hole should be 6¾ in. diam. Shipping weight, 11 lbs.

4E10621—List Price, $12.00.
YOUR PRICE **$6.75**

Utah P. M. "Orthovox" Speakers

An Improved Kinematic Power Loudspeaker with an automatic impedance matching circuit. Uses no field current. Handles power and volume without distortion. Chrome steel permanent magnets acting through laminated pole pieces produce an intense magnetic flux in the 6/thousandths air gap. A heavy laminated silicon steel armature is suspended with phosopher-bronze flexible torque supports. No armature pivots to chatter or stick. Speaker will carry 35 Ma. direct current. Output transformers are not required. For improving battery radios, use in sound trucks, as extra speakers on any radio or P.A. system which does not provide field current, we recommend these speakers very highly.

8" Utah Orthovox
4000 Milliwatts Capacity
Frequency Characteristic Uniform between 140 and 8000 Cycles.
F10282—For 500 ohm Line.
F10294—For 1000 ohm Line.
List Price, $5.00.
YOUR PRICE, EACH.... **$2.35**

12" Utah Orthovox
6000 Milliwatts Capacity
Excellent Response between 80 and 8000 Cycles.
F10289—For 500 ohm Line.
F10295—For 1000 ohm Line.
List Price, $7.50.
YOUR PRICE, EACH... **$3.53**

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P.A. Sound ACCESSORIES

Shure Micro-Stan

Automatic safety lock holds stand exactly at the height required without screws or nuts. Stand may be extended from 52 to 76 inches. Finished in rubber-tone black, double-baked Japan. Cable entrance in base. Microphone ring is of nickel-base chromium in standard 6 inch size. Fitted with 8 rust proof springs and convenient "Quickway" hooks. Stand presents a neat, bright appearance after the hardest wear. Shipping weight 25 lbs.

F10050—List Price, $20.00.
YOUR PRICE **$11.76**

F10051 Same as above but with slightly smaller and lighter base. Shpg. wt. 18 lbs.
List Price, $16.00.
YOUR PRICE **$9.41**

When ordering above stands without rings for Crystal or Velocity Microphones, deduct $1.47 from price quoted above.

Shure 63A Combination

Banquet and Floor Stand

J10055 List Price, $12.50.
YOUR PRICE **$7.35**

A three piece well constructed combination banquet and floor stand especially suitable for Public Address applications. Adjustable from 27½ in. to 67½ in. Modernistic cast iron base finished in black wrinkled enamel dia. 7 in. Tubing and ring nickel plated. Ring 5 in. dia. equipped with "Quickway" hooks and eight rustproof springs. Shipping weight 6¾ lbs.

As above without ring but with adapter for mounting crystal mikes listed on page 100.
J10056 List Price, $10.00.
YOUR PRICE **$5.88**

Shure Desk Stand

F10057—List Price, $3.50.
YOUR PRICE **$2.05**

Accommodates Shure 3A, 5B and microphones of similar size. Finished in chromium plate, modern bevel edge design. 5 in. ring. Equipped with "Quickway" hooks for easy mounting and eight rust-proof springs.

Portable Electric Dual Speed Phono Motor

With Electric Pickup

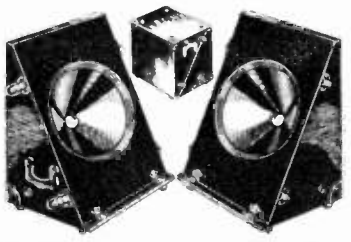
14F10710—Complete Portable A.C. Electric Dual-Speed Phono Motor.
List Price, $45.00.
YOUR PRICE **$22.95**

14F10711 Same model with special 6 volt D.C. Motor.
List Price, $49.50.
YOUR PRICE **$26.95**

A high quality unit designed to match any P.A. System with high impedance input. Can be quickly changed from 33⅓ to 78 R.P.M. with simple transmission gear lever. Powerful induction motor with manually compensated governor for exact speed adjustment on any voltage between 105 and 120, 60 cycle A.C. Extra heavy 12" weighted turntable for constant speed regulation—acts as a flywheel on the motor. New model Electric pickup with built-in volume control. High impedance type. Light, strong, metal bound, black fabrikoid covered carrying case 17½" wide by 14⅜" deep. Height with top closed 7". Furnished complete, ready to operate with 6 ft. A.C. cord and 6 ft. phono coupling cord. Works with all models of Radolek Amplifiers and other makes having over 35 D.B. gain with high impedance input circuits.

Dual Speaker Housing

For Portable P.A. Systems



F10486—
No Speakers Included.
YOUR PRICE **$8.95**

Case is divided diagonally and will house two speakers. When put together case is only slightly larger than case necessary for only one speaker. When set on floor speakers throw sound upward and out into the room. Speakers may be hung from ceiling and pointed down. When case is closed speaker cones face fabrikoid covered baffle area giving maximum protection against speaker damage. Baffle is hinged so that each section can readily be opened and inner space used for storage of cables, microphones, etc. Baffle opening is 12". Accommodates speakers up to 13" cone diameter. Rigidly constructed of laminated plywood covered with durable black fabrikoid. Metal corner guards. Carrying handle will not pull out. Overall size 19⅝" high x 15⅝" wide x 15¾" deep; net weight, 33 lbs.

Portable P. A. Speaker Housing

Will House 8" to 14" Cone Speaker

14E10485—List Price $7.00.
YOUR PRICE **$4.75**

Durable Fabrikoid covered cabe with metal corner guards. Designed for use with all types of indoor and outdoor public address equipment. Ample baffle surface for excellent tone reproduction. For mounting all standard sizes of dynamic and magnetic speakers between 8" and 14" diameter. Copper screen protects cone from bugs and dirt. Button Fabrikoid flap over speaker opening for protection of cone against weather. Extra strong wood frame. Thoroughly impregnated to resist moisture. Specify size of speaker opening desired when ordering. Dimensions, 15"x15"x11".

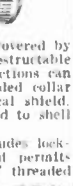
Construction similar to above but does not have metal corner guards, protective flap and not quite as well constructed but is superior to other cases sold at about this price.

J10487—
YOUR PRICE **$3.15**

Shielded Microphone and Cable Connectors

Three contact polarized plug and socket covered by heavy chrome plated brass shell. Indestructable and moisture proof. Male and female sections can be locked together by means of a threaded collar forming a perfect mechanical and electrical shield. Third prong may or may not be grounded to shell as desired.

3J6043—3 Prong Male Section. Includes locking nut. Removal of cap on other end permits screwing into any microphone having ⅝" threaded hole. Size 1½" long, ⅞" diam.



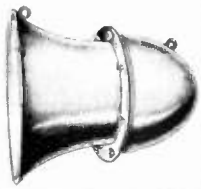
3J6044—3 Hole Female Section. Has male thread to receive locking nut, and spacer sleeve for chassis or panel mounting where shielded connection is desired.

3J6045—3 Hole Female Section for stand mounting. Has ⅝" female thread on one end to fit microphone stands listed in catalog and thread on other end for locking ring.

3J6046—3 Hole Female Section Connector for mounting on chassis or wall plate. Size: ⅞" long. Requires ⅞" hole.
List Price, $1.00.
YOUR PRICE, EACH ..... **59¢**

All Aluminum Baffle

For 12 Inch Cone Speakers



4J10355 — Baffle only, no speaker included. List Price, $9.00.
YOUR PRICE **$5.29**

A directional baffle particularly designed for dynamic or permanent magnet cone speakers. Light weight, rugged construction, resistance to weather and easy portability recommend this unit for either permanent or portable Indoor or outdoor Sound Amplifying installations. Gives an even distribution of sound yet has a sufficient flare to reduce feedback difficulties to a minimum. Openings on underside of cone housing provide back pressure relief. Made of spun aluminum and easily demountable into two sections. Two loops are provided for hanging of baffle. Can also be mounted to wall or ceiling by use of standard pipe fitting and connectors. Size: Speaker Housing 12½" dia., 10" dp; Speaker Bell 10" dp, 17" dia.

Floor Stand for Speaker Baffle

14J10356—Stand only, no speaker or baffle included.
List Price, $20.00.
YOUR PRICE **$11.76**

For use with speaker baffle listed above. Particularly recommended for large Public Address Systems that are not permanent or where it is impractical to mount Speakers on wall or ceiling. Has extra heavy 18" Dia. Base to prevent stand from tipping. Height of stand can be adjusted from four to ten feet. Comes equipped with tilting bracket so that baffle can be placed at any angle.

Wall Surface Speaker Housing

4J10385—For 6" Speakers. List Price, $5.00.
YOUR PRICE **$2.94**

4J10386—For 8" Speakers. List Price, $6.00.
YOUR PRICE. **$3.53**

Particularly recommended for permanent indoor Sound Amplifying Systems for Hotels, Schools, Hospitals, Call Systems, etc. Will mount Magnetic, Permanent Magnet or Dynamic Speakers. Constructed of heavy gauge spun aluminum. Opening protected by grill and metal screen. Comes complete with wall mounting fixture and hardware.

All Aluminum Bell Trumpet

3½ Ft. Bell 22" Round

14J10360
List Price, $30.00
YOUR PRICE
$17.64

Three section all Aluminum Trumpet Horn suitable for indoor or outdoor sound amplifying systems. Throat is of cast aluminum, balance of heavy gauge spun aluminum. Is light in weight and can be quickly and easily demounted for portable use. Comes complete with standard loose coupling. Size: 5½ feet long, 22" Bell. Shipping weight 10 lbs.

14J10361—4½ Foot Trumpet.
List Price, $36.00.
YOUR PRICE **$21.27**

Brush "Tweeter" Crystal Speaker

For use in bolstering up the high response in theatre and P.A. installations. Should be used in conjunction with large size dynamic cone speakers which give good reproduction on low notes. Frequency response from 5000 to 8000 cycles. No frequency filter needed; Comes complete with transformer having primary tapped at 4, 8, 15 and 500 ohms for direct connection to amplifier. Cone dia. 4".

J2352 List Price, $10.00.
YOUR PRICE **$6.00**

J2353 Same as above less special matching transformer. List, $7.00.
YOUR PRICE **$4.20**

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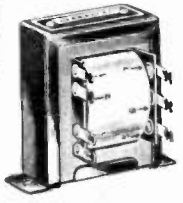
World Radio History

TRANSFORMERS for P.A. INSTALLATIONS

Thordarson Line Matching Transformer



T6048

Couples 500 Ohm Amplifier Output Line to Voice Coil of Dynamic Speaker Employs the Universal System of Ratio Matching of Impedances

3D4360
List Price $3.00.
YOUR PRICE ... **$1.76**

Permits use of from one to six speakers (using a transformer at each speaker) at full volume, or from two to 12 speakers (using a transformer for each 2 speakers) at half power.

The use of these transformers provides the only satisfactory method of coupling to a single amplifier, several dynamic speakers at widely distributed points. In addition the distribution of power may be adjusted (see diagram below) so as to reduce feedback difficulties.

Specifications: High inductance primary; 7 tap secondary so arranged that speakers with voice coils having impedance values between 2 and 16 ohms can be balanced to the 500 ohm line with any combination of speakers—1 to 6 at full volume—2 to 12 at half volume. Transformer is 3" high; 2½" wide, 2¼" deep. 15 watt working capacity —25 watt peak. Complete instructions included.

Thordarson T6125 Transformer

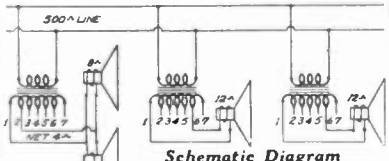
Universal Single Tube to 500 ohm Line

Matches above transformer in appearance. Has primary terminals and six secondary ratio taps to provide for coupling any of the following tubes to a 500 ohm line: 2A5, 41, 42, 47, 89, 59, 46, 45, 50, or 2A3, class "A". 15 watt working capacity, 25 watt peak. Diagrams included.
3D4361. List Price $3.00
YOUR PRICE **$1.76**

Thordarson T6126 Transformer

Universal Push Pull Tubes to 500 ohm Line

Matches above transformer in appearance. Has center-tapped primary and five secondary ratio taps to provide for coupling any of the following tubes in push-pull to a 500 ohm line: 2A5-41-42-89, 47 59, 46, 45, or 50, Class "A". 15 watt working capacity, 25 watt peak. Diagrams included.
3D4362. List Price $3.00
YOUR PRICE **$1.76**



Schematic Diagram Showing Line Matching Transformer Hook Up

With two 8 ohm dynamic speakers operating at half power close to a microphone to greatly reduce possibility of microphone feedback. Diagram also shows how to connect in the same circuit, two 12 ohm dynamic speakers operating at full volume at distant points, employing two additional transformers. Many other combinations may be arranged to achieve distribution of power and volume. Complete instructions included.

Mixing and Line to Line Transformer

To be used in construction of mixing panels used for public address, centralized radio, recording or broadcast equipment. Mounted in shielded case to prevent hum pickup. Frequency characteristic essentially flat from 50 to 10,000 cycles.

Stock Number	Primary Imped. Ohms	Secondary Imped. ohms	List Price	Your Price
3E3855	200 or 50	200 or 50	$4.00	$2.35
3E3856	500 or 125	200 or 50	4.00	2.35
3E3857	Dbl. But. Mike	200 or 50	4.00	2.35
3E3858	5000 or 2000	200 or 50	3.00	1.76

Ribbon Microphone Transformers

Especially designed—high permeability transformers to match the Amperite Superior Microphones. Due to small energy pickup, properly matched and designed transformers are very necessary. These transformers exactly fit into base of microphone case.

3E2854—Ribbon to Line
3E2855—Ribbon to Grid
3E2856—Line to Grid
3E2857—Plate to Line
List Price, $5.00. YOUR PRICE, **$2.94**

Thordarson

Double Button

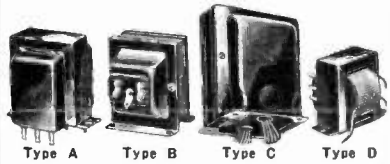
Double button—from microphone to grid. Turn ratio is 1-22. Frequency curve is exceptionally flat from 30 to over 7000 cycles. Center tapped primary is 400 ohms impedance overall. Secondary impedance is of the order of 200,000 ohms to match grid of practically any amplifier input tube. Matches impedance of all standard type, carbon, 2 button microphones.
3C4346—Thordarson Type T-3020.
List, $4.00.
YOUR PRICE **$2.06**

Single Button

3F4345—Thordarson Type T-2357.
List, $2.50. YOUR PRICE **$1.47**

Tube to Voice Coil

Output Transformers



Type A Type B Type C Type D

3F4312—Primary 5000 ohms center tapped. Matches plates of Pushpull 2A3 self bias, P.P. 45's class AB self bias, 48 tetrodes. Secondary tapped at 4, 8, 15 or 500 ohms. Type A. Size: 3½x2⅞x3.
List Price, $5.00. Code T-6754.
YOUR PRICE **$2.94**

3F4313—Primary 14,000 ohms center tapped. Matches plates of 2-2A5, 47, 41, 42, 33, 56, 49, 59, and 89 tubes as Pentodes, 79 Class B or 31 tubes. Secondary tapped at 4, 8, 15 and 500 ohms. Type A. Size: 3x2½x2½.
List Price, $3.75. Code T-6751.
YOUR PRICE **$2.21**

3F4314—Primary 8000 ohms center tapped. Matches Pushpull 250's Class A, 2A5's, 42's, Class AB, 2-79's Pushpull Parallel, Class B. Secondary tapped at 4, 8, 15 and 500 ohms. Type A. Size: 3½x2⅞x3.
List Price, $5.00. Code T-6594.
YOUR PRICE **$2.94**

3J3508—Primary 5800 ohms center tapped. Pushpull 46's or 59's Class B, Pushpull Parallel 53's Class B. Secondary tapped at 4, 8, 15 or 500 ohms. Type A. Size: 3½x2⅞x3.
List Price, $5.00. Code T-6752.
YOUR PRICE **$2.94**

3F4317—Primary 1500 ohms center tapped for Parallel Pushpull 2A3's fixed bias. Secondary tapped at 4, 8, 15 and 500 ohms. Type A. Size: 3½x2⅞x3.
List Price, $6.00. Code T-6792.
YOUR PRICE **$3.53**

3F4320—Universal output transformer to match any output tubes single or push pull having not over 7 watts output to speaker voice coils of ⅒ to 20 ohms. Type D. Size: 2⅜x2x2.
List Price, $2.00. Code T-5701.
YOUR PRICE **$1.18**

Jefferson Phonograph Pick-Up Transformer

Designed for coupling low impedance phonograph pick-up (on order of 700 ohms @ 1000 cycles) to grid of amplifier. Turn ratio 1 to 30. Windings completely shielded in black enameled pressed steel case. Binding post connections. Size 2⅝" high, 2¼" wide. Mounting hole centers 2⅜".
3C4292—Code 467-181.
List Price $2.00.
YOUR PRICE **$1.18**

Double Button Microphone Transformer

A splendid fully shielded single or double button microphone transformer. Extra heavy insulation to prevent capacity losses within windings and to increase frequency response. Matches standard 2-button 200 ohm microphones or when using ½ the primary winding will match a single 200 ohm button. Size 2¾"x 2⅞"x2⅜" high. Mounting centers 2⅜".

3E4271—467-263.
YOUR PRICE **$1.18**

Radolek Double Button Microphone Transformer

Turn ratio 25 to 1. Impedance ratio 625 to 1. Frequency curve is exceptionally flat from 60 cycles to 5000 cycles. Primary is split 200 ohms each side and the secondary impedance is of the order of 250,000 ohms at 60 cycles and 3 volts A.C. Matches impedance of all standard type, carbon, 2 button microphones. Fully shielded in a black enameled steel case. Insulated color coded 6" leads out of bottom. Size: 2⅝" high, 2" wide, 2⅛" deep. Mtg. hole centers 2⅜".

3D3949—
YOUR PRICE **$1.19**

Line to Tube Universal Input Transformers

Used for coupling circuit to an amplifier input using practically any type input tube. Also for directly coupling single button carbon microphone, condenser or dynamic microphone, low impedance phonograph pick-up, low impedance radio output, or other low impedance line to the amplifier input. Mounted in shielded case to prevent hum pickup. Frequency characteristic essentially flat from 50 to 10,000 cycles.

Stock Number	Primary Imped. Ohms	Secondary Grid Ohms	List Price	Your Price
3E3861	200 or 50	Sgl. 100,000	$3.00	$1.75
3E3862	500 or 125	Sgl. 100,000	4.00	2.35
3E3864	200, 400, 600 or 800 ohm	Sgl. 100,000	4.00	2.35

Microphone Input Transformers

A fine quality microphone transformer. Proper design and proper ratio. The same model extensively used by manufacturers of P. A. systems. Core size ¾x1". Overall size 2¾" high, 1⅞" wide, mounting holes 2¾" centers. Japanned steel frame around core. Solder lug connections. For use with standard 200 ohm per button microphones.
3C4220 For single button "Mike."
YOUR PRICE ..... **78¢**

3C4221—For two-button "Mike."
YOUR PRICE ..... **94¢**

Three Contact Sockets and Plugs

3C2945—Plug with Porcelain Base socket.
PER SET ..... **89¢**

3J2844 — Shielded Microphone Cable Polarized Bakelite Connectors.
PER SET ..... **98¢**

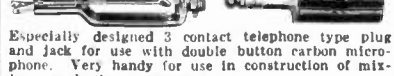
Microphone Plug

3 prong polarized. Bakelite cap will fit above socket.
3C2947—List Price 65c.
YOUR PRICE ..... **39¢**

Microphone Receptacle

Receptable for three prong polarized microphone plug. Fits standard switch box. Plate is brown bakelite, size 2¾"x1¾". No plug included.
3C2946—List Price $2.00.
YOUR PRICE **$1.18**

Microphone Plug and Jack



Especially designed 3 contact telephone type plug and jack for use with double button carbon microphone. Very handy for use in construction of mixing panels due to compactness.
3E2845—3 conductor plug only, List 75c.
YOUR PRICE ..... **44¢**
3E2846—3 conductor jack only, List 50c.
YOUR PRICE ..... **29¢**

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World Radio History

SOUND RECORDING *Equipment*

Input Control & Mixer

Handles Microphone, Phonograph and Radio

4J10703

List Price, $8.50.

YOUR PRICE **$4.95**

Unit contains: Microphone Transformer, Microphone Volume Control, 4½ Volt "C" Battery, Phono-Radio Volume Control, and Phono-Radio changeover switch. Radio or phono signal may be smoothly mixed or faded into microphone signal by proper easy handling of the two volume controls. **Perfect fading from full volume to zero on microphone while fading simultaneously from zero to full volume on phono or radio can be accomplished.** Mixing of the microphone input using voice into a musical background from phonograph or radio can be accomplished at any volume level desired. **Microphone input connection** is to a **4 prong socket** and **Phono-Radio** input is to a **5 prong socket.** Output to amplifier is high impedance from a 4 prong socket. **Complete shielding is provided.** All parts housed in 18 gauge cold rolled steel. Box finished in smooth Baked-on Black enamel. Case size 7"x3¾"x4". All connections and controls plainly marked. Mounting holes provided for wall mounting.

Professional Recording Machine

Cuts Records Up to 16" dia. at 78 or 33 1/3 R.P.M.

F10886—

YOUR PRICE, COMPLETE ... **$285.00**

A Precision Record Recording Instrument for Studio Installation. Gives results which are comparable to the best commercial recordings available. Each part is precision made and is the best available for its particular function.

Mountings of heavy cast iron give stability to mechanism. Turntable 16 inches dia. weighs 69 lbs.; is lathe turned of solid steel and perfectly balanced; runs on special ball bearings, rim driven by 1/12th H.P. motor. Special power cutter has four pole pieces with individual adjustment for damping; magnets of Cobalt steel. Weight on cutter can be adjusted from ½ to 18 ozs. for cutting from either "inside out" or "outside in". Can be furnished in any number of lines desired. Angle and depth of cut can be adjusted. Depth gauge prevents stylus from cutting deeper than adjusted. 10 power magnifying glass allows close observation of cutting while recording. **Circular giving complete description of recorder will be sent upon request.**

Victor and Columbia Double Faced Records

Electrically Cut

Many Popular Current Recordings

4E10736—Assortment of 25 records.

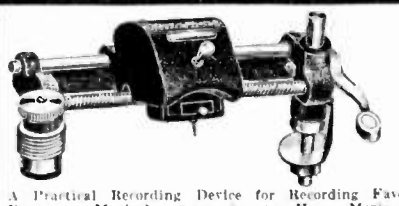
YOUR PRICE **$2.25**

Sold only in assortments of 25 records each. **All records are genuine Victor and Columbia products.** Not seconds. No factory rejects are included. **Perfect recordings by famous Columbia and Victor artists.** Fox-trots, Waltzes, Vocals, Tangues, Bands, Marches by Paul Whiteman, Ted Weems, Nat Shilkret, Victor Salon Orchestra, George Olsen, Jesse Crawford, Gene Austin, Fannie Brice, Duke Ellington, and others too numerous to mention. We ship these records to you in the exact assortments we receive from the factory. It will not be possible for us to state at any time exactly what numbers are included in each assortment.

Use for Public Address Applications

Although these records are not last minute releases there will be many current popular numbers. Especially suitable for sound truck work and automatic phonograph service.

We are prepared to supply complete recording systems. Write to us and give us as many details of your proposed installation as possible. Our engineering department will be glad to recommend the most suitable equipment for your purpose.



A Practical Recording Device for Recording Favorite Radio Programs, Musical accompaniments, Home Movie Sound Effects, Transcription Programs, Advertising Talks, Campaign Speeches, etc.

It must be used in conjunction with a microphone and amplifier. Record is made on a specially prepared disc revolved by any ordinary phonograph motor, and can be replayed on any standard phonograph.

Easy to Install and Operate

One single ⅜" hole is all that is necessary to mount it. In recording, it is only necessary to move the arm to the center of the record and throw the lifting lever to the down position. This starts the recording which evenly grooves the record. 96 grooves per inch are cut which allows as long a playing time as standard phonograph records. The recorder may be operated at either 78 or 33⅓ R.P.M. Recorder makes records that are outstanding in quality and are comparable to standard transcription records. Records are practically free from background noise and needle scratch. For best results use our stock number J10670 amplifier listed on page 118 together with Crystal, Velocity or Condenser Microphone.

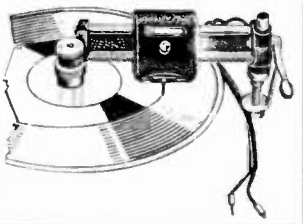
Phonograph Record Recorder

Consisting of: Center spindle; cutting head; threader; hardware; swivel arm. No needle included.

Complete Cutting Outfit

Stock Number	Impedance of Cutter
3E2880	15 ohms
3E2881	500 ohms
3E2882	4000 ohms

YOUR PRICE **$16.95**



Universal Recording Lead Screws

For 33⅓ or 78 RPM Records

Exact, accurately machined lead screw. Used with properly weighted pickup and diamond or sapphire recording needle. Cuts and records simultaneously. Spaces 80 lines per inch. Only one hole required for mounting. Complete with guide, shoe and outboard bearing. For 10 or 12 inch records. Records from outside to inside.

3E2836 List Price, $10.00.

YOUR PRICE **$5.88**

3E2837 For 16 inch Records. Records 100 lines per inch. Cuts from inside to outside. List Price, $15.00.

YOUR PRICE **$8.82**

Crocker-Wheeler-Western Electric

Synchronous Motor for Record Recording

Operates from 110 volts 60 cycles A.C. only. Self starting, high torque fully synchronous 78.2 R.P.M. motor. **Maintains perfect, constant speed under all varying load conditions.** Gives much more satisfactory operation than belt driven recorders. **Turntable included is perfectly balanced and of proper weight to give recordings free from "wavers" and "wows" on sustained musical notes.** Precision built for a long and efficient life, heavy cast frame, silent running oversize bearings. **When used with turntable furnished and good quality associate equipment will give recordings equal to the finest commercial work.** Comes complete with phasing condensers and 7½ lb., 12 inch turntable. Shipping weight 62½ lbs.

14J10887—List Price, $100.00.

YOUR PRICE **$24.95**

Duralumin Diaphragms

For replacement in any make, stretched diaphragm type microphone. 24 karat cathode sputtered pure gold spot center on each side. .0018 thick. Heat treated. No harmonic distortion. Size 4 inches dia. Can be trimmed to fit.

3C2933—List Price, $5.00.

YOUR PRICE **$1.50**

3C2934—.001 Duralumin Diaphragm. Without gold spots. Size 4x4" for condenser microphone. List $1.00.

YOUR PRICE ..... **50¢**

Pregrooved Aluminum Discs

For Home Recording

Universal pregrooved, aluminum discs assure a greater volume, brilliancy and durability. Discs are double faced, permitting recording on both sides. Available in four sizes—6 in., 8 in., 10 in. and 12 in. diameter. Records may be made with ordinary blunt home-recording needle and play back with wood or fibre needles.

Stock Number	Size	List Price	Your Price
3C2862	6 in.	$0.30	18c
3F2863	8 in.	.50	29c
3C2864	10 in	.75	44c
3F2861	12 in	1.00	57c

Blank Aluminum Discs

No grooves. Can only be used with recording heads that cut their own grooves.

Stock Number	Diam.	Approx. Playing Time	List Price	Your Price
3F2886	6	1½ min.	24c	14c
3F2887	7	2 min.	36c	21c
3F2888	10	3 min.	48c	28c
3F2889	12	4½ min.	60c	35c

Victor Home Recording Record Blanks

3C2890—6" record per pkg. of 1—**68c**
3F2891—10" record per pkg. of 2—**68c**
3C2892—12" record per pkg. of 1—**62c**
3C2893—Needles per pkg. of 8 —**25c**

Recording Needles

Genuine Sapphire points. For use with above Recorder.

3E2894—For cutting and recording on ungrooved aluminum record blanks.

YOUR PRICE **$2.35**

3E2895—For recording and reproducing on pregrooved Victor or aluminum recording discs.

YOUR PRICE **$2.35**

3E2896—For cutting and recording on ungrooved celluloid and semi-plastic blanks.

YOUR PRICE **$3.53**

3E2897—Fibre needles for playback of aluminum and all other records.

YOUR PRICE Per Pkge. of 100 ..... **59¢**

Carbon Granules

Carefully selected and highly polished. Acid treated to reduce ash content. Will stand higher current without burning. Vial contains sufficient granules to repack two double-button carbon microphones.

3J2930—Size No. 100. Higher sensitivity and higher background noise. Provides best quality reproduction but packs easily.

3J2931—Size No. 80. Best general purpose granules. Lower hiss, good quality reproduction and does not pack easily.

3J2932—Size No. 60. Best for sound trucks and hard usage. Low hiss, more freedom from packing, fair quality reproduction.

List Price Per Vial, $1.00.

YOUR PRICE ..... **58¢**

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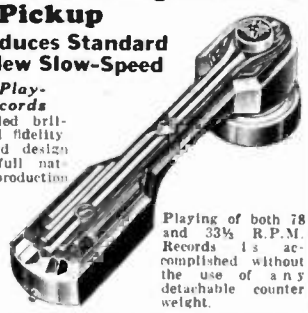
PHONO PICKUPS AND MOTORS

New Webster High Fidelity Pickup

Reproduces Standard and New Slow-Speed

"Long Playing" Records

Unequalled brilliance and fidelity. Advanced design achieves full natural reproduction of tone.



Playing of both 78 and 33⅓ R.P.M. Records is accomplished without the use of any detachable counter weight.

Recreates the latest transcriptions with the full depth and broad range of the original orchestration. Is extremely sensitive and has unusual uniform response over the entire scale of musical frequencies. Is especially designed to respond without mechanical or electrical lag for the new 33⅓ R.P.M. slow-speed long playing records. Richly finished in beautiful soft golden bronze. Equipped with a 17½% Cobalt magnet, cold rolled steel pole pieces and "A" metal stylus. Suitable for playing all 10" and 12" records.

Less Volume Control

F2951—Model 30A3. Standard High Impedance Type. 17,000 ohms at 1000 cycles. For use with a 100,000 ohm volume control for uniform response. List, $9.25.
YOUR PRICE **$5.44**

F2950—Model 30A2. Standard High Impedance. 17,000 ohms at 1000 cycles. With a 100,000 ohm volume control built in the base.
List Price, $10.25. YOUR PRICE... **$6.03**

Low Impedance Model

3D2952. Impedance 200 ohms at 1000 cycles. Less volume control. List, $10.00.
YOUR PRICE **$5.88**

3D2953. Impedance 200 ohms at 1000 cycles. With volume control built in the base. List, $11.00.
YOUR PRICE **$6.47**

Model 31A5 High Output Pickup

Designed for radio receivers and amplifiers having low gain. This pick-up gives an average output of 1 volt so that ample volume may be secured for record reproduction.

Equipped with a 17½% Cobalt magnet, "A" metal stylus and "A" metal pole pieces. Size and appearance same as above model.

F2954—Model 31A5. Standard High Impedance Model. 36,500 ohms at 1000 cycles. With Built-In Volume Control. List, $11.25.
YOUR PRICE **$6.62**

F2955—Model 31A5. Low Impedance Model. 200 ohms at 1000 cycles with built-in volume control. List, $12.00.
YOUR PRICE **$7.06**

Piezo ASTATIC Crystal Phonograph Pickup

3F2965—8" tone arm for playing 10" and 12" records. List Price, $12.00.
YOUR PRICE **$7.06**

F2966—12" tone arm for playing up to 16" records. List Price, $15.00.
YOUR PRICE **$8.82**

This type of pickup is considered superior to the magnetic type because of better fidelity and more even frequency response. Frequency response is essentially flat from 30 to 8000 cycles without resonant peaks. Needle scratch and surface noises are at a minimum. Two volt output is higher than obtained with most pickups. Will operate practically any two stage amplifier at full power output. High impedance output connects direct to grid input of any amplifier. For control of volume a .5 meg control is necessary. True accentuation of low or high frequencies can be accomplished by connection of resistors in parallel or series. Due to exceptionally light weight of pickup and pressure of only two ounces at head this unit is suitable for reproduction of 33⅓ or 78 R.P.M. records without adjustment or weights.

Improved Automatic Record Changer

Plays and Changes Automatically Eight 10-Inch or Seven 12-Inch Records

Dual Speed 33⅓ or 78 R. P. M.

This is the lowest priced high grade dependable Record Changer ever offered. Plays and changes a stack of eight 10" or a stack of seven 12" records automatically. Just start the motor and you have practically continuous reproduction of from 30 to 60 minutes duration. Will not get out of order and will give years of trouble-free service. Will not miss records. So reliable that it is suitable for highest grade combination Radio-Phonograph or Automatic coin operated machines. So compact it is suitable for portable systems. Minimum overall space needed, length 11", width 15", height above plate 5", depth below plate 3¼".

- *Efficient*
- *Simple*
- *Compact*
- *Foolproof*

Improved 2 Speed Inductive Type Motor

Plays 78 or 33⅓ R.P.M. records. Lever shifts from one to other, simply and instantaneously. Any record may be repeated for encore. Any record can be rejected. Repeats last record until switched off. No changes required for playing manually. Simply change for 10" or 12" records. Specially designed pick-up damped for best quality reproduction. Finished in lacquered statuary bronze. Volume Control and on-off switch included. Shipping weight 26 lbs.

Automatic Stop

Automatic Stop Switch can be supplied for $3.00 net extra. Other voltages and frequencies supplied to order at slightly higher prices.

F10868—For 110 volt 60 cycle A.C.
List Price, $52.50.
YOUR PRICE **$32.45**

Same as above but plays and changes eight 10" records automatically and 12" records manually.

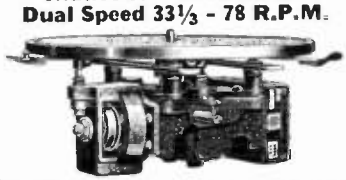
F10869—
List Price $45.00.
YOUR PRICE **$27.81**

The illustration shows suggested method of mounting either of the above changers. This type of mounting is suitable for portable use or mounting in radio cabinet.

New Green Flyer

Governor Controlled Induction Phono Motor

Dual Speed 33⅓ - 78 R.P.M.



For "Long-Play" and Standard Records

New induction type electric phonograph motor which will play both slow and the standard speed records. Instantly shifts from low speed 33⅓ R.P.M. to 78 R.P.M. by simply moving lever. Centrifugal type governor speed control with wide range provides a positive means of accurate speed adjustment and maintenance of uniform speed on supply line with fluctuating voltage.

INDUCTION MOTOR—silent operation, absolutely no radio interference. Ruggedly built, heavy cast frame, oversize self-lubricating bearings, silent running machined gears sealed in oil. Floats freely on rubber suspended mounting bracket to dampen any trace of vibration. Equipped with automatic stop switch, dial, escutcheon and pointers finished in statuary bronze. All mounting hardware included. Mounts in 8⅛x5¾" cut out. Overall dimensions of motor 8⅛"x5¾". Suspends 3¼" below baseboard. Mounting bracket centers 3¾"x6¼". For operation on 105-120 volts 60 cycle.
F10863—Complete with regular 12 inch turn table. List Price $16.50.
YOUR PRICE **$9.70**

With New Type Weighted Turntable and Automatic-Stop Switch

14E10865—Complete with new type special weighted 12" turnable which is absolutely essential to good reproduction with the slow speed records. Automatic-stop switch included.
YOUR PRICE **$11.40**

For operation on 6 volt storage battery or any 6 volt direct current source. Current drain 2.8 amps.

F10864—Complete with regular 12" turntable. List Price, $24.00.
YOUR PRICE **$14.10**

F10866—With weighted turntable and automatic-stop switch.
List Price, $27.00. YOUR PRICE... **$15.95**

Green Flyer - 78 R.P.M.

Single Speed—Governor Controlled Induction Phono Motor

Same construction as above. Furnished with 10" turntable and complete mounting hardware. No automatic stop included. Motor is rubber suspended from mounting plate. Mounts in cut out 6⅛"x4¼". Motor dimensions 6¼"x3½"—suspends 3" below baseboard. Mounting plate 6⅞"x5¼". Mounting hole centers 3"x4½". For 105-120 volt 60 cycle A.C.
F10867—List Price, $12.50.
YOUR PRICE **$7.35**

Any of the above motors can be supplied to order in other voltages and frequencies than those listed, at slightly higher prices.

Portable Phonograph

and Automatic Record Changer

Plays and changes automatically eight 10" or seven 12" records.

Dual speed 33⅓ or 78 R.P.M.

14J10706—With Magnetic Pickup.
14J10707—With Crystal Pickup.
List Price Each, $75.00.
YOUR PRICE **$41.50**

Record changer has same characteristics as stock No. F10868 listed above. Can be supplied with either crystal or magnetic phonograph pickup as desired. High impedance pickup matches grid input of Amplifier. Carrying Case is rigidly constructed of plywood and covered with weatherproof black fabrikoid. Corners are metal bound. Has carrying space for 6-10" or 12" records. When Case is opened, lid becomes record receiving compartment. Case size closed: 16" wide, 15" long, 9½" deep. Net weight of complete unit 29 lbs. Operates from 105-120 Volts, 50-60 cycles A.C.

Other Voltages and frequencies can be supplied at slightly higher prices.

Portable Electric Phonograph

110 V. 50-60 C. A.C. 78 R.P.M.

F10708—
List Price, $25.00
Your Price **$13.95**

A valuable addition to every Public Address system either permanent or Portable. Consists of General Electric induction motor. **Audak Phonograph Pickup, and combination Volume Control and A.C. switch mounted in Portable Carrying Case.** Motor equipped with speed regulator and 10" turntable. Will handle up to 12"—78 R.P.M. records. Pickup is new "balanced" type with light needle pressure lengthening life of records. High impedance output matches grid of first amplifier tube in P.A. amplifiers or first audio tube in radio sets. Case is covered in handsome brown leatherette and incorporates flush needle cup and record container which will hold up to 10 records. Case size 12¾" x11½"x8¾". Shpg. wt. 19 lbs. Complete with 8 foot power connection cord.

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RIBBON-VELOCITY MICROPHONES

Amperite Velocity Ribbon Microphones

Model RB-S

For Speech

F2847—200 ohm Output.

F2839-RS-H—2000 ohm output for direct to grid connection when used within 100 feet of Amplifier. List Price, $32.00.

YOUR PRICE EACH **$18.81**

A high grade ribbon microphone that compares favorably in performance to high priced studio models. No exciting current required. Free from background noises. High fidelity of tone is obtained as frequency response is flat within two D.B. between 60 and 9,000 C.P.S. without peaks. Especially designed for speech but can be used very satisfactorily for music. Directional characteristic makes it possible to reduce or entirely eliminate feedback. Output is—68 D.B. Ribbon is of specially treated aluminum alloy that is not affected by temperature or humidity. Housed in acoustically correct, sturdy bronze and steel case which provides complete shielding. New swivel bracket enables mike to be tipped at a convenient angle for speaker. Rubber shock absorber installed between bracket and mounting fitting gives protection against jars and vibrations. Bottom of case has fitting, threaded 5/8" 27 thread for mounting on stand. **Complete with instructions.**

Model RB-M

For Music

Same as above microphone in physical characteristics but differs in electrical characteristics. Has greater frequency response being flat within 2 D.B. from 40 to 10,000 C.P.S. also includes higher grade ribbon to line transformer. Output level—64 D.B.

F2848—200 ohm output.

F2843-RB-H—2000 ohm output for direct to grid connection when used within 100 feet of amplifier. List Price, $42.00.

YOUR PRICE, EACH **$24.70**

Model RB-B

Beam Type

Microphone has been designed particularly for installations where feedback is a major problem. Angle of pickup reduced so that feedback can be prevented in practically all cases. Electrical and physical characteristics otherwise same as RB-M type above. Complete with line transformer.

F2849—200 ohm output.

F2842-RB-HB—2000 ohm output for direct to grid connection when used within 100 feet of amplifier. List Price, $42.00.

YOUR PRICE, EACH **$24.70**

Model SR-80

Studio Microphone

F2852—200 ohm output.
3J2851—**SR-80H**-2000 ohm output for direct to grid connection when used within 100 feet of amplifier.

List, $80.00.
YOUR PRICE **$58.80**

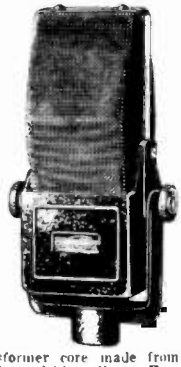
Accepted by broadcast studios and P.A. engineers as being one of the finest velocity microphones available today. Frequency response Flat from 25 to 14,000 C.P.S. Output—65 D.B. No resonant peaks over entire frequency range. Pickup range in front and back 120 degrees. Pickup from sides is practically negligible so that acoustical feedback and reverberation can be reduced considerably. **Will reproduce music and voice equally well giving a full natural tone that is not obtainable from other types of microphones.** 35% Cobalt steel magnets insure extremely long life. Housed in a handsome rugged bronze and steel case that will blend well with any furnishings. Elastic stand coupler absorbs mechanical shocks and jars. New swivel standard allows Mike to be tipped 45 degrees either forward or backward. Coupling fits standard ½" pipe thread. Comes complete with high permeability nickel alloy 200 ohm line transformer.

Ribbon Velocity Microphones will give Highest Quality results when used in conjunction with Radolek Hi-Gain Amplifiers described on pages 112, 113, 116, 117, 118, 119, 121, 122 and 123.

Radolek

Hum Free

Velocity Microphones



High Impedance type connects direct to grid input of Amplifier without intermediate coupling transformer.

Particularly well adapted to High Fidelity Sound Pick-up for best quality Public Address, Recording, or Radio Broadcast Installations. No preamplifier necessary when used with a high gain amplifier of 110 DB or more. Can be used near a-c lines or within two feet of amplifier power supply with negligible hum pick-up. Transformer core made from extremely high permeability nickle alloy. Frequency response is essentially flat over the entire sound spectrum and extends from 30 to well over 10,000 c.p.s. This gives complete naturalness to speech and music. Ribbon assembly protected by an attractively formed heavy screen which allows free passage of sound and practically eliminates cavity resonance and side wall reflection. Internal, self-contained, shock-proof ribbon mounting provides complete freedom from mechanical shocks. Handsomely finished in black crackle and chromium. Adjustable cradle and thumb nuts allow locking of microphone in any position desired. Supplied with 20 feet low capacity shielded rubber covered cable. Standard 5/8"/27 mounting. Special threads and sizes on special order at no extra charge.

MODEL V-2—Excellent results on either speech or musical reproduction. Incorporates two 36% Cobalt magnets, Armco pole pieces, tapered to minimize flux leakage. Output —68 DB.
3J2988—200 ohms impedance to match line.
3J2989—High Impedance to feed direct to grid. List Price Each, $35.00.
YOUR PRICE **$20.58**

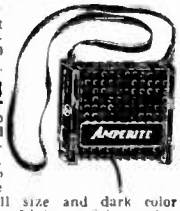
MODEL V-3—A very suitable microphone for P.A. broadcast and recording use where high fidelity is necessary but price must be considered. Extremely powerful magnetic circuit employs four 36% cobalt magnets. Tapered Armco pole pieces. Magnets placed at ends of pole pieces allowing equalization up to 14,000 c.p.s. Output: —68 DB.
3J2990—200 ohms impedance to match line.
3J2991—High impedance to feed direct to grid. List Price Each, $50.00.
YOUR PRICE **$29.40**

MODEL V-4—One of the finest microphones that research has evolved. For use where perfect reproduction is the prime consideration. Employs six 36% Cobalt magnets. Output —64 DB.
3J2992—200 ohms impedance to match line.
3J2993—High impedance to match grid. List Price Each, $75.00.
YOUR PRICE **$44.10**

Features of the Velocity Microphone

1. **Extreme high fidelity** for present day demands.
2. **Rugged** and will withstand hard usage.
3. **Frequency response is not affected** by angle of pick-up.
4. **Reduces reverberation** by one third over other types of microphones.
5. **Doubles the apparent volume** without acoustic feed-back.
6. **Not affected** by moisture, temperature or movement.
7. **No background noises. No exciting current**
8. **Single microphone can be used to pick-up an entire orchestra.**
9. **Can be used nearly twice the distance** from source of sound than other types of microphones.
10. **Can be used up to 1000 feet** from amplifier.
11. **No cavity resonance.** Sound passes through the microphone.

Public Speakers Microphone



F2853—200 ohm output.

F2869—2000 ohm output for direct to grid connection when used within 30 feet of amplifier. List Price, $30.00.
YOUR PRICE EACH **$17.64**

Gives a practical solution to the difficulties encountered by public speakers in using an amplifying system. Provided with leather strap that allows mike to be suspended on chest. Small size and dark color make mike inconspicuous. Light weight makes mike easy to wear. Microphone responds equally well at any position of the speakers head. Far superior to Lapel microphones. Frequency response 60-7500 cycles within 1 D.B. Output level—65 D.B. Comes complete with 200 ohm line transformer built into case, size 1¾ in. x 1½ in. x 1 in. Net weight 8 ozs.

Radolek Special

Microphone Stands

Floor Model

An ornamental floor stand built for convenience and hard use. Ten lb. cast base keeps stand from tipping easily. Rigid seamless brass two piece standard adjustable from 44 to 72 inches. Friction coupling permits instant and easy height adjustment. Ring 6½" dia. Finished in **Polished Chrome** and Baked black enamel. Complete with 8 springs.

F10075—List Price, $10.00.
YOUR PRICE **$5.88**

Deluxe Floor Stand

A heavy Deluxe floor stand for studio and public address use. High quality materials and handsome appearance will satisfy the most critical buyer. Rigid seamless 2 piece 1¼" drawn brass standard adjustable from 49 inches to 72 inches. Heavily weighted 12 lb. spun brass base keeps stand from tipping over easily. Friction coupling permits instant and easy height adjustment. Ring 6½" dia. **Finished overall with triple chrome plating.** Complete with 8 microphone springs.

F10076—List Price, $15.00.
YOUR PRICE **$7.95**

Floor Stand For Portable P.A. Systems

Friction couplings allow easy adjustment from 32" to 67". Can be stored in space 10"x21"x3". Will fit all Radolek Amplifier carrying cases. Triple tube assembly of seamless brass tubing. Baked Black Enamel and Chromium finished. 10" Dia. Base finished in Baked Black Enamel weighs 6 lbs. Complete with 6" Polished Aluminum ring and eight microphone springs.

J10078—List Price, $7.25.
YOUR PRICE **$4.25**

Adjustable Desk Stand

Height can be adjusted from 18 to 24 inches. Weighted base has hole and open bottom for easy wiring. Polished Aluminum ring, 6 inches diameter. 8 rust-proof springs included.

F2822—List Price, $7.85.
YOUR PRICE **$3.95**

Desk Stand

A handsome chromium plated full size microphone desk stand. 6½" dia. ring will mount practically any carbon microphone. Base 6⅛" dia. Prevents stand from tipping. Overall height 9½". 8 microphone springs included.

F2823 List Price, $3.50.
YOUR PRICE **$1.89**

All of the above Stands have 5/8-27 thread coupling and can be used less Ring with any of the Crystal or Velocity Microphones listed on pages 100 and 101 Deduct 95c from price quoted above when ordering Stand without Ring.

Suspension Ring

For hanging of Crystal or Carbon microphones from ceiling. Ring 6½" dia. will fit practically any Crystal or Carbon mike. Constructed of highly polished aluminum. Complete with 8 microphone springs.

F2825 List Price, $2.50.
YOUR PRICE **$1.47**

Microphone Springs

Loop ends. Tempered spring steel. Heavy cadmium plated finish to prevent rusting.

3C2949—Eight for .... **22¢**

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CRYSTAL MICROPHONES

New ASTATIC

Double Diaphragm Crystal Microphones

3J2908—List Price, $22.50.
YOUR PRICE **$13.23**

An improved type of Crystal Microphone embodying refinements in design which make it superior to previous microphones of its type. The two diaphragms applied to back and front of Crystal have a push pull action giving an exceptionally flat frequency response over the entire audio range. Has non-directional characteristics. Case construction is such that distortion from cavity resonance and pressure doubling is reduced to a minimum. Output level is —60 D.B. Microphone can be mounted directly on mike stand without use of suspension springs or ring. Mounting Socket is threaded to fit ⅜" pipe thread. Adaptor is also supplied to fit Microphone to stands having ⅝-27 male thread. If desired suspension hooks which are furnished can be used to mount mike in regular suspension ring. Housed in strong handsome chromium plated metal case. 3" diameter, 1" thick, overall height with mounting ring 3½", net weight 1¾ lbs. Comes complete with 8 ft. rubber covered shielded cable. Shipping weight 2¾ lbs.

Hand Microphone

Double diaphragm type as above but with Chromium plated handle with "Push to Talk" Switch.
3J2909—List Price, $25.50.
YOUR PRICE **$15.00**

ASTATIC Crystal Lapel Microphone

3J2910—
List Price, $30.00.
YOUR PRICE **$17.64**

Due to its inherent ruggedness and lack of back-ground noise, the crystal mike is admirably adapted for use as a lapel unit. Microphone is double diaphragm type having openings both front and back. Has higher output, better quality, and greater pick-up ability than previous Microphones of this type. Light in weight and small in size: only 1½" in diameter and ⅝" thick. —60 D.B. Output level. Spring clip included for attaching mike to speakers clothing is on edge of mike so that microphone can be placed more in a line with speakers mouth. Finished in baked black Japan. Comes complete with 25 ft. of flexible shielded cord.

New Type ASTATIC

Crystal Microphone Model K2

For Single or Push Pull Grid Connection

3J2911—List Price, $37.50.
YOUR PRICE **$22.05**

A new Microphone combining advantages of both the coil and diaphragm types of microphones. Has non-directional characteristic and due to the absence of interfering surfaces eliminates cavity resonance and gives a frequency characteristic closely approaching that of a coil type Crystal Microphone. Diaphragms applied to each surface give a push pull action increasing the output over coil microphones or single diaphragm microphones. Frequency response is flat from 20 to 5000 cycles with a gradually rising characteristic out to 10,000 cycles which will give exceptionally good reproduction on either speech or music. Output level is approximately —64 D.B. A high gain Amplifier such as described on pages 116 to 122 should be used to obtain best results with microphone. Locking plug and socket are an integral part of microphone. Socket mounts on stand with ⅝-27 thread. Microphone can be removed from stand by means of plug without disconnecting wiring. Unit is Chromium finished with monel metal screening. Comes complete with 8 feet of two wire shielded cable. Size 3" high 1⅝" diameter.

We can supply all types of Brush, Astatic, Turner and Shure Diaphragm or Sound Cell Crystal Microphones for Theatres, Churches, Broadcasting Studios, Sound Recording Studios, Better Quality Public Address Systems etc. Prices and Complete Technical Literature is available upon application. We will be pleased to recommend the proper type of Microphone and Amplifier to best suit your requirements.

General Characteristics Crystal Microphones

1. No Field, Button or Polarizing Current.
2. No Background or other Internal Noises of any kind.
3. High Impedance Output for connection direct to grid of Amplifier Input.
4. Can be Mounted without use of Ring.
5. Very Rugged Construction. Will stand more abuse than any other type of Microphone.
6. Will Operate in any Position.
7. Can be Moved Around while in operation without harming Microphone or causing noise.
8. Not affected by temperature or humidity changes.
9. Can be used with up to 150 feet of low loss Cable in conjunction with proper High Gain Amplifier without frequency discrimination.

BRUSH Sound Cell Crystal Microphones

Model B2S

3J2928—
List Price, $45.00.
YOUR PRICE **$26.46**

Dual Crystal Sound Cell type of Microphone. Will give exceptionally fine results on either voice or music. Compact size and excellent frequency response particularly recommend this mike for use by dance orchestras and in other high quality Public Address installations. Has better frequency response than diaphragm type microphones which are limited in response due to inertia of diaphragm. Frequency response is flat within 1 D.B. from 30 to 10,000 cycles. Output level is —66 D.B. Case construction with openings front and rear allow sound to pass through Microphone eliminating distortion resulting from cavity resonance and pressure doubling. Case is of brushed cast aluminum, screens chromium plated. Stand connection is ⅝-27 thread. Overall height 4¼", 2" wide, ½" thick, net weight, 3 ozs.

As above but with 3 prong plug and socket, socket is threaded with ⅝-27 thread to fit stand; also includes locking nut to lock Microphone to Stand.
3J2929—List Price, $47.50.
YOUR PRICE **$27.93**

BRUSH "Spheroid" Cell Type

Crystal Microphone Model BR2S

3J2925—
List Price, $47.50.
YOUR PRICE **$27.93**

The very latest development in cell type crystal microphones from the Brush laboratories, originators of the crystal microphone. Provides a non-directional sound pick-up with perfect fidelity over the entire Audio range. Contains no diaphragms hence has a more perfect response than diaphragm types due to absence of inertia present in diaphragms. Wire screening allows sound to pass through microphone with a minimum of interference eliminating distortion from cavity resonance and pressure doubling. Two crystals connected in parallel and mounted in a horizontal plane provide an output of —66 D.B. Frequency response is flat within 1 D.B. from 30 cycles to 10000 cycles. Screening is satin chromium finished. Band around sphere is also finished in Satin Chromium. Dia. 2⅞", overall height 4⅛". Comes complete with 3 prong shielded plug connector and socket to fit ⅝-27 thread microphone stand. Plug connector includes locking nut.

ASTATIC Watch Case Double Diaphragm Crystal Microphone

J2906—List Price, $25.00.
YOUR PRICE **$14.70**

A compact size Crystal Microphone well suited to all types of Public Address installations. Particularly recommended for installations in which Microphone must be as inconspicuous as possible. Non-directional, will give excellent results on either voice or music. Frequency response is flat from 20 to 5500 cycles with a slightly rising characteristic out to 10,000 cycles. Output level —64 D.B. Size: 2½" Dia., ½" thick. Polished Chromium Finish. For ⅝—27 thread Stand Mounting. Comes complete with 8 ft. rubber covered shielded cable. Net wt. less cable 9 ozs.

TURNER Crystal Microphone

Cell Type

3J2970—Single cell type.
List Price, $22.50.
YOUR PRICE **$13.23**

Four cell Type. Cells are connected in parallel giving higher output.
3J2971—List Price, $45.00.
YOUR PRICE **$26.46**

A non-directional crystal microphone with small diaphragm mounted on crystal. Recommended for general Public Address use. Especially suited to dance orchestra or vocal music pickup. Frequency response is essentially flat from 30 to 10,000 cycles. Output level is —60 D.B. Wire screening on all four sides allows sound to pass through microphone from any direction with a minimum of interference. This type of construction practically eliminates distortion from cavity resonance and pressure doubling. Case is of polished chrome. Size: 3¼" high and 1½" square. Has female ¼" pipe thread for stand mounting. Adapter is included for mounting on stands having ⅝-27 thread.

Shure Crystal Microphone

Diaphragm Type

F2936—Model 70H-Two leads for Single Grid Input amplifiers.

F2922—Model 70HP Three leads for Push Pull Input grids. Reduces hum pickup.

List Price, $22.50.
YOUR PRICE **$13.23**

Excellent for use on voice or music. Gives a true response over entire frequency range, no hiss or other background noises present. Output level—60 D.B. Mike is rugged and durable. Extreme conditions of heat, cold and humidity do not impair operation. Only moderate care in handling is necessary. Microphone can be mounted directly on mike stand without use of suspension springs or ring. Mounting Socket is threaded to fit stand with ⅝ in. 27 thread. If desired, ring with mounting bushing can be removed and suspension hooks which are furnished can be used to mount mike in regular suspension ring. Housed in strong handsome chromium plated metal case. 3" diameter, 1¾" thick, overall height with mounting ring 4¼", net weight 1¾ lbs. Comes complete with 7 ft. rubber covered shielded cable. Shipping weight 2¼ lbs.

Demountable Model

Same as above but furnished with Lock Type 3 contact plug and socket and cable strain release for stand mounting. Very convenient for use where it is necessary to remove mike quickly and easily from stand.
J2938—List Price, $25.00.
YOUR PRICE **$14.70**

SHURE Spheroid Crystal Microphone

For Use With Either Single or Push Pull Grid Inputs.

3J2943—List Price, $37.50.
YOUR PRICE **$22.05**

A new non-directional High Fidelity Diaphragm type Crystal Microphone that will prove particularly suitable for use in Broadcast or Public Address installations where sound must be picked up from all sides. Microphone has the form of a sphere and is only 2¼" diameter. Sound enters unit through a horizontal slot so constructed to offer complete correction for diffraction, reflection and phase shift effects. Response characteristic is not changed for sound approaching from any direction. Frequency response is within 5 D.B. from 40 to 10,000 cycles. Output level is approximately -55 D.B. By special construction, Cable losses are reduced over other types of Crystal Microphones. Modernistically finished in Baked on Rubber Black Enamel with polished white metal bands. Comes complete with three conductor shielded locking plug and receptacle threaded to fit ⅝-27 male thread. Size: 2¼" Diameter, overall height 6", net weight only 6 ozs.

In order to obtain maximum results and highest efficiency with the Crystal Microphones listed on this page, High Gain Amplifying equipment must be used. Radolek High Gain Amplifiers listed on pages 116 to 122 have been particularly designed to be used in conjunction with either the Coil or Crystal types of Microphones. Full output and highest quality can be obtained without hum or motorboating.

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CARBON MICROPHONES

Universal

New Model XX

Two Button Microphone

Stretched Diaphragm

Model "XX" confirms the reputation for quality and performance that characterizes all Universal products. Every essential feature necessary to insure superior performance and long, care-free service has been incorporated in the design of this model. Only the non-essential "trimmings" have been eliminated to enable this popular price. Faithful, truly natural tone. Pure Gold Contacts. Duralumin stretched diaphragm. 200 ohms per button. Very low hiss level. Scientifically Damped. Frequency range from 100 to 4500 cycles. Ruggedly built and finished in non-corrosive, polished chrome plate. Diameter, 2½ in. Overall thickness, 1 in. Made in three degrees of sensitivity: S, very sensitive, M, medium sensitive (standard) and D, highly damped. Specify type desired on your order.

3E2801—List Price, $10.00.
YOUR PRICE **$5.88**

Universal "Handi-Mike"

Single-Button

Intended for voice only. Has maximum volume with clear and clean cut speech reproduction. Beautiful polished plate finish. Equipped with an "off" and "on" thumb switch and 15-ft. cord. Scientifically constructed with gold faced button. Mounted in sound damping, resilient felt. Overall length, 6 inches. Size of head, diameter, 2¼ inches.

3F2811—List Price, $10.00.
YOUR PRICE **$5.88**

Double-Button

Highly damped hand microphone, designed particularly for uses where clarity of reproduction and portability are important requisites. Switch breaks the circuit in the center conductor. Rugged construction. No delicate parts. 200 ohms per button. Finished in polished chrome plate, equipped with a 6-ft. silk braid covered cable.

3C2813—List Price, $15.00.
YOUR PRICE **$8.82**

Aero Type

Double Button

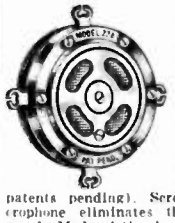
Same construction as above microphones except includes ventilated rubber mouth cushion, which excludes outside noises when used for close talking. Very suitable for aeroplanes and P.A. work where feedback is a problem. Equipped with on-off switch and 6 ft. rubber covered cable.

F2807—List Price, $20.00.
YOUR PRICE **$11.76**

Shure Model 22B

2 Button Microphone

Patents Pending



A large size, high quality 2-button microphone for public address systems and amateur broadcasting. New, glazed carbon button discs, adjustable buttons, cathode-sputtered gold-spot stretched dural diaphragm and clamped by a special process. "Quickway" hooks patents pending). Screen in the face of the microphone eliminates the need for covers on the stand. Modernistic, bevel edge design.

Operates best at 6 to 8 M.A. per button. Limit of guarantee: 15 M.A. per button. Total internal resistance: 400 ohms, or 200 ohms per button. Frequency response 40 to 6,000 cycles. Diameter overall: 3⅜". Diameter of frames, 3". Thickness overall: 1⅛". Shipping weight, 1½ lbs. Packed with wiring diagram, and complete instructions. Highly polished chromium finish.

3E2941—List Price, $25.00.
YOUR PRICE **$14.70**

Microphone Stand

Amazing Value! All Metal 5¼" Microphone Ring Stand for Desk Use. For Single or Double Button Suspension Type Microphones, 8" high. Fine appearance. Fibre snap switch in base economizes on microphone current and stops unwanted conversation pickup between numbers or announcements. Very light weight. Stamped base. Has 8 suspension springs.

3D2980
YOUR PRICE, Only ..... **79¢**

Universal

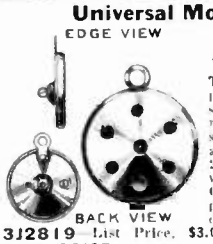
Model "BB" Microphone

Two Button

A superlative value for such a low price. Built to hair-line precision. An idea of the ruggedness can be obtained by the fact that Model "BB" is 3 in. in diameter by 2 in. thick. Designed especially for voice pick-up, public address work and for amateur broadcasters, experimenters, halls, ball rooms, speaker wagons, etc. Finished in beautiful, highly polished chrome plate. Extra heavy 24-Kt. Pure Gold Spot Center, Duralumin Diaphragm and has a frequency range of from 70 to well over 4,500 cycles. 200 ohms per button. Owing to the large size and weight of model "BB", it is recommended that Model "L" desk stand be used for mounting instead of Model "K", especially when covers are used. Made in three degrees of sensitivity: S, very sensitive; M, medium sensitive (Standard); and D, highly damped.

3J2802—List Price, $25.00.
YOUR PRICE **$14.70**

Universal Model "W"

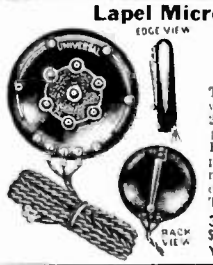


Perfected Watch Model Microphone

The smallest completely protected and workable single-button microphone manufactured. Highly sensitive light weight and unusually compact 200 ohms. Equipped with Pure Gold Spot Center Diaphragm, completely enclosed. 1⅝ in. dia. ¼ in. thick.

3J2819—List Price, $3.00.
YOUR PRICE **$1.76**

Lapel Microphone



2 Button Professional Model

Thin, compact, light in weight. A full fledged 2 button, natural toned precision instrument. Resistance 200 ohms per button. Frequency range from 40 to 5000 cycles. 2¼" dia. ⅜" Thick. Wt. 2 ozs.

3J2805—List Price, $25.00.
Your Price **$14.70**

Shure Model 5B

2 Button Microphone

A full sized 2 button microphone. Large frame makes possible the use of regular size precision adjustable buttons making tone quality superior to that of units with smaller frames which can accommodate only the smaller buttons. Diaphragm damped to eliminate noisy vibration. **Speaking voice clear and easy to understand.** By the use of two buttons "push-pull" microphonic action is secured that eliminates "squawk" and harshness. Highly polished gold surfaced buttons. Screen in face of microphone eliminates need for covers on stand. Appearance enhanced by modernistic bevel edge. **Highly polished and chromium plated.**

Operates best at 6 to 8 M. A. per button. Limit of guarantee 12 M. A. per button. Total internal resistance: 400 ohms, or 200 ohms per button. Frequency response 40 to 4000 cycles. Diameter overall: 3¾ inches. Diameter of frames, 3 inches. Thickness overall 1⅛ inches. Shipping weight, 1¼ pounds.

3E2940—List Price, $10.00.
YOUR PRICE **$5.88**

Shure Model 3A

2 Button Microphone

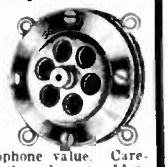
F2917—List Price, $6.50.
YOUR PRICE **$3.82**

Suitable for all public address and similar uses where voice reproduction is the main requirement. Buttons have highly polished gold contacting surfaces and diaphragm is stiffened for best voice reproduction. Screen protected diaphragm, bevel edge construction. "Quickway" hooks. Operates best at 5 to 7 Ma. per button. Limit of guarantee 10 Ma. per button. Total internal resistance 400 ohms. Size 2½" diam., ½" thick. Nickel finish.

Radolek Special

Two-Button Microphone

Value With Quality



3E2974—
YOUR PRICE **$2.95**

A fine quality double button microphone selected by us after exhaustive tests of this and other makes and offered to you as an unbeatable microphone value. Carefully constructed without frills that do not add to performance. Do not compare this with punch press microphones sold in this price class as this microphone is not a toy but a well made and carefully assembled instrument that gives long and trouble free service. Button contacts 24 Kt. gold. Frequency response 50 to 4,500 cycles. Button impedance 200 ohms total 400 ohms. Frame 2½" diameter and ½" thick. Finish is highly polished chromium plate.

Model "100" Series Electro-Voice Microphones

3F2900-A—Extra Sensitive for recording.
3F2901-D—Std. Med. Sens.
3F2902-B—Med. Damp.
3F2903-C—Heav. Damp.
3F2904-E—Special Curve for Reducing Feedback.

List Price
$10.00.
YOUR PRICE... **$5.88**

A rugged, double-button microphone that has proven itself thoroughly reliable and gives faithful reproduction under all conditions. An inherent quality of smoothness is made possible by precision methods of manufacturing. **High sensitivity, resulting from scientific damping.** Carbon granules are acid treated to reduce ash content and will stand higher current values without injury and have lower background noise. Excellent for voice and can be used satisfactorily for music pick-up. Response 40 to 6,000 C.P.S. One piece buttons, **pure 24 kt. gold contacts,** protected diaphragm. Heavy chromium plate. A new development is offered in the Model 100E which is especially constructed to reduce acoustical feedback. Its curve extends from 40 cycles and has a very sharp cutoff at 3500 cycles. As most feedback frequencies are above this figure this microphone can be placed as close as 8 feet from speaker and give satisfactory results. This model is not recommended for music. Size 2½"x1". Weight 8 oz. Matches standard input transformer (200 ohms. Per Button.)

Model "77" Electro-Voice

3E2905—
List Price, $18.00.
YOUR PRICE **$10.59**

Reproduces music with smoothness, depth and brilliance. The shadings and inflection of speech are preserved together with clean-cut articulation. High quality double-button type, adaptable to broadcast remote, public address and amateur work. Diaphragm is heat-treated-duralumin, perfectly stretched and is protected by symetrical cast grill. (Contacts are 24 Kt. gold finished. May be cleaned hundreds of times without injury. New type buttons are longer lived and reduce background noise. Response is substantially flat from 35 to 6,500 C.P.S. Size 2¾"x1½". Extra heavy polished chromium finish. Weight 1 lb. Matches standard input transformer 200 ohms Per Button.)

KELLOGG

Hand Microphone

A perfect midget hand microphone. Sensitive, rugged—used for market reports, amateur transmitting, record recording, and on public address systems. Made by one of the oldest and foremost manufacturers of fine microphones. Responds well to frequencies between 90 and 3000 cycles. Matches 200 ohm input. Operates well on 1½ volts—and not over 3 volts. Draws less than 2½ milliamperes average current. Phosphor bronze with gold plated contact point diaphragm protected by fine mesh screen. Cast metal handle, grounded through the plain wire in the two conductor, 18 strand, 54" tinsel cord. Standard size phone tips. Use with regular 200 ohm microphone input transformer for vocal and musical transmission of high quality.

3D2975—List Price, $8.50.
YOUR PRICE **$1.25**

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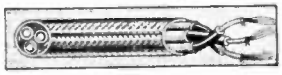
World Radio History

Belden Cables

For Microphones, Public Address Installations and Analyzers

Extraordinary High Quality Cable. Made by "Belden" one of the largest wire manufacturers, noted for the quality of their products. In making up specifications for this cable the exacting demands of Public Address use have been kept in mind. Only the best quality pure copper wire and the highest grade insulating materials are used. The construction of these cables eliminates all possibility of chafing between the single conductors or shield and insures the longest possible life. This cable is far superior and is not to be compared with inferior merchandise offered at lower prices. No finer cable is made.

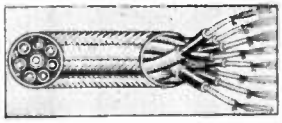


Glazed Braid Overall

Particularly recommended for Connection of Magnetic and Dynamic Speakers on Indoor Installations where cable will not be subject to wear. Also for use as battery cables.

Each conductor size 20 (10 strands No. 30) tinned copper wires, paper wrapped for flexibility and quick soldering, 1/64" rubber insulated and lacquered braid covered. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together and covered with brown glazed braid overall. Very Flexible.

Stock Number	Num. Cond.	10 feet for	100 feet for
4F11050	1	8¢	$0.60
4F11051	2	18¢	1.47
4F11052	3	31¢	2.55
4F11053	4	38¢	3.15
4F11054	5	44¢	3.67



Analyzer Cable

6, 7, 8 and 9 Conductor

Has Two Heater Leads of size 16 Stranded Tinned Copper Wire. Balance of conductors are size 20. All conductors are paper wrapped for flexibility and quick soldering, covered with a 1/64" rubber insulation, and a lacquer dipped color-coded cotton braid. Individual conductors are cabled together with a jute filler center and are covered overall with a glazed brown braid. The flexibility and long life of the cable are greatly increased by the use of the Jute Filler Center.

Stock Number	Num. Cond.	5 feet for	10 feet for	100 feet for
3F11056	6	32¢	60¢	$5.29
3F11057	7	36¢	65¢	5.88
3F11058	8	41¢	75¢	6.76
3F11059	9	49¢	80¢	7.35

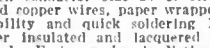
Shielded Covering Overall

Particularly recommended for Microphone and other lines that are subject to hum pickup. Although designed primarily for indoor installations this cable is suitable for temporary outdoor use.

Each conductor size 20 of stranded tinned copper wires, paper wrapped for flexibility and quick soldering 1/64" rubber insulated and lacquered braid covered. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together and covered overall with woven shield of fine size tinned copper wires. Very flexible. Perfect Electrostatic Shield.

Stock Number	Num. Cond.	10 feet for	100 feet for
3F11061	2	29¢	$2.35
3F11062	3	37¢	3.08
3F11063	4	48¢	3.92

Pigtail Wire



3C2387—10 foot.
List Price, 35¢.
YOUR PRICE ..... **20¢**

A braided wire cable made up of very fine threads of copper wire, which gives it extreme flexibility. Use it to avoid high frequency resistance losses.

Rubber Jacket Overall

Particularly recommended for Speaker Lines for Indoor or Outdoor installations where cables will be subjected to wear and moisture.

Each conductor size 18 (41 strands No. 34) of tinned copper wires, cotton served, 1/64" rubber insulated. Distinctively colored for easy tracing. Individual conductors are cabled together with a jute filler, cotton served and enclosed in outer waterproof super service rubber jacket overall. Jute filler increases the flexibility of cable and insures long life. An extremely flexible and rugged cable that will withstand severe wear.

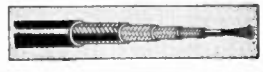
Stock Number	Num. Cond.	10 feet for	100 feet for
3F11081	2	26¢	$2.21
3F11082	3	42¢	3.57
3F11083	4	56¢	4.70
3F11084	5	68¢	5.70

Woven Shield Covered With Rubber Jacket Overall

This cable is recommended for Theater, and Outdoor Service on P.A. Systems, as Microphone Cable, Extensions, etc. The Finest Cable made. Very Flexible. Will stand hardest use.

Each conductor size 20 (26 strands No. 34) of tinned copper wires cotton served and 1/64" rubber insulated. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together, cotton served, and covered overall with close woven shield of fine size tinned copper wire. Over shield is another cotton serve and an outer super-rubber rugged jacket providing a waterproof practically wear-proof covering.

Stock Number	Num. Cond.	10 feet for	100 feet for
4F11086	2	36¢	$3.15
4F11087	3	48¢	3.79
4F11088	4	60¢	4.90
4F11089	5	71¢	5.88
4F11090	6	83¢	6.86
4F11091	7	89¢	7.35



New Improved Low Loss Crystal Mike Cable

Woven Shield Covered with Rubber Jacket Overall

Particularly designed for use with Crystal Microphones. Absolutely essential where long lines are necessary but practical for use wherever an extremely Low Loss and Low Capacity cable is needed. Single conductor consists of 13 strands No. 36 tinned copper wire, two serves of Celanese, two braids of Celanese, four braids of cotton thoroughly wax impregnated. Covered overall with close woven shield of fine size tinned copper wire. Over shield is a heavy live rubber outer jacket, providing a waterproof and practically wear-proof covering. Outside diameter only ¼". Very Flexible and Rugged.

4F11064—10 feet for.... **39¢**
100 feet for **$3.43**

Two Conductor

4F11085—Same as above except designed for use with crystal microphones used with amplifiers equipped with a push-pull input stage. **69¢**
YOUR PRICE, 10 ft. for....
100 feet for **$5.59**

Special Value Radio Cables

Individual conductors are size 18 (16 strands No. 30) tinned copper wires, 1/64" rubber insulated. All leads are distinctively color coded for easy tracing. Cables are listed for practically every application and are made to withstand the ordinary abuses to which cables are subjected. Made of good materials and are excellent values at these low prices. Not equal in contruction or in quality to the "Belden Quality Cables" listed elsewhere on this page. Excellent values at these low prices.

Lead Sheathed Wire

Size 18 single conductor made up of tinned copper wire strands with 1/32 inch rubber wall, over which is a 1/32 inch lead sheath.

The only absolutely perfectly shielded wire. Necessary for best results on Low Voltage transmission lines when used in locations near ignition systems for oil-burning furnaces, X-Ray and Electrotherapy high frequency apparatus and other similar devices generating intensive interference. May be used under-ground or in water. Will also improve reception on Auto Radio Sets when used in primary circuits of spark-coil. Overall diameter about ⅜ inch.

3D2197—50 foot coil. **$1.25**
YOUR PRICE .....
3D2198—100 foot coil.
YOUR PRICE **$2.18**

2 and 3 Conductor Lead Sheathed Wire

Two and three conductor cable of the same specifications of the single wire listed above covered with ⅜ lead sheathing. A necessity for theatre speaker extension, permanent outdoor installations and all other work where freedom from interference is necessary. Waterproof and weather proof. Completely electrostatic shielded. Recommended as replacement for exposed wiring feeding small motors or light equipment. Eliminates primary radiation.

2 Conductor

3D2199—50 ft. coil **$2.35**
YOUR PRICE .....
3D2200—100 ft. coil **$3.95**
YOUR PRICE .....

3 Conductor

3F2201—50 ft. coil **$4.95**
YOUR PRICE .....
3F2202—100 ft. coil **$8.75**
YOUR PRICE .....

Handy Center-Rip Lamp Cord

New flexible rubber jacketed two conductor cord. Splits exactly down the center when pulled apart leaving two perfect separate conductors. Conductors are size 18 stranded copper wires with a cotton wrap and individual solid rubber coverings adhered by a special process to make ripping easy. No fraying. Will outwear practically any lamp cord on the market. Easily cleaned—glossy smooth finish. Underwriters approved.

Stock Number	Color	10 feet for	100 feet for
3F11093	Black	15¢	$1.25
3F11094	Brown		
3F11095	Green		
3F11096	Ivory		

Extension Cords

For Headsets and Loudspeakers

Fine Stranded Copper Wire Conductors. Each conductor rubber insulated and covered with cotton braid. Two such conductors laid parallel with braid covering over all. Cord tips each end.

Stock Number	Length Feet	Price Each	Ten For
3C2310	10	18c	$1.71
3C2311	20	24c	2.28
3C2312	30	35c	3.33
3C2313	50	49c	4.65

Glazed Braid Overall

Individual conductors are cabled together and covered with brown glazed braid overall.

Stock Number	Num. Cond.	10 feet for	100 feet for
4F11000	1	6¢	$0.52
4F11001	2	16¢	1.32
4F11002	3	23¢	2.10
4F11003	4	29¢	2.75
4F11004	5	37¢	3.30
4F11005	6	42¢	3.85
4F11006	7	48¢	4.10
4F11007	8	58¢	5.10

Shielded Covering Overall

Individual conductors are cabled together and covered overall with woven shield of tinned copper wires.

Stock Number	Num. Cond.	10 feet for	100 feet for
4F11021	2	20¢	$1.74
4F11022	3	29¢	2.38
4F11023	4	38¢	3.20
4F11024	5	46¢	3.85
4F11025	6	55¢	4.50
4F11026	7	66¢	5.50

Rubber Jacket Overall

Individual conductors are cabled together and enclosed in outer waterproof rubber jacket overall.

Stock Number	Num. Cond.	10 feet for	100 feet for
4F11010	2	21¢	$1.95
4F11011	3	32¢	2.93
4F11012	4	44¢	3.60
4F11013	5	55¢	4.60
4F11014	6	66¢	5.50
4F11015	7	75¢	6.23
4F11016	8	88¢	7.33

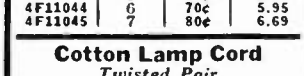
Woven Shield Covered With Rubber Jacket Overall

Individual conductors are cabled together and covered over all with woven shield of tinned copper wire. Over shield is an outer heavy rubber jacket.

Stock Number	Num. Cond.	10 feet for	100 feet for
4F11040	2	28¢	$2.45
4F11041	3	37¢	3.30
4F11042	4	50¢	4.12
4F11043	5	61¢	5.04
4F11044	6	70¢	5.95
4F11045	7	80¢	6.69

Cotton Lamp Cord

Twisted Pair



Suitable for a great variety of electrical wiring applications. Each conductor size 18 stranded copper wires, cotton served, and rubber insulated. Tightly woven cotton braid with tracer over insulations. Underwriter's Approved.

With 1/32" Rubber Insulation
3F11046—Green and Yellow.
3F11047—Black **$1.45**
YOUR PRICE, per 100 ft.

With 1/64" Rubber Insulation
3F11048—Green and Yellow
YOUR **$1.17**
PRICE, per 100 ft.....

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BELDEN MAGNET WIRE

Finest quality. Uniform. Carefully inspected insulation. One continuous length only on each spool. Sizes are exact standard B & S gauge. Specifications conform to those given by leading manufacturers for radio apparatus, motor and generator windings, etc. Guaranteed. Quality considered, our prices represent the very best values obtainable.

Push-Back Hook-up Wire

Tinned copper wire, cotton served and covered with a paraffined damp-proof braid. Simply push back braid when soldering. Then replace it.

Num. 20 Solid Copper Core

25 Ft. Rolls Stock Num.	Color	100 Ft. Rolls Stock Num.
3E1764	Red	3E1773
3E1765	Yellow	3E1774
3E1766	Blue	3E1775
3E1767	Green	3E1776
3E1768	Black	3E1777
3E1769	Brown	3E1778
3E1770	White	3E1779
3E1771	Gray	3E1780
3E1772	Maroon	3E1781

YOUR PRICE PER ROLL .. **10¢** — 9 Rolls (One Each Color) for **80c**

YOUR PRICE PER ROLL .. **34¢** — 9 Rolls (One Each Color) for **$2.95**

Stranded Copper Core
Num. 20 (10 strands of #30 Wire)

25 Ft. Rolls Stock Num.	Color	100 Ft. Rolls Stock Num.
3E1782	Red	3E1791
3E1783	Yellow	3E1792
3E1784	Blue	3E1793
3E1785	Green	3E1794
3E1786	Black	3E1795
3E1787	Brown	3E1796
3E1788	White	3E1797
3E1789	Gray	3E1798
3E1790	Maroon	3E1799

YOUR PRICE PER ROLL .. **12¢** — 9 Rolls (One Each Color) for **94c**

YOUR PRICE PER ROLL .. **42¢** — 9 Rolls (One Each Color) for **$3.59**

Num. 18 Solid Copper Core

25 Ft. Rolls Stock Num.	Color	100 Ft. Rolls Stock Num.
3E2000	Red	3E2009
3E2001	Yellow	3E2010
3E2002	Blue	3E2011
3E2003	Green	3E2012
3E2004	Black	3E2013
3E2005	Brown	3E2014
3E2006	White	3E2015
3E2007	Gray	3E2016
3E2008	Maroon	3E2017

YOUR PRICE PER ROLL .. **13¢** — 9 Rolls (One Each Color) for **$1.08**

YOUR PRICE PER ROLL .. **47¢** — 9 Rolls (One Each Color) for **$3.85**

Stranded Copper Core
Num. 18 (16 strands of #30 Wire)

25 Ft. Rolls Stock Num.	Color	100 Ft. Rolls Stock Num.
3E2020	Red	3E2029
3E2021	Yellow	3E2030
3E2022	Blue	3E2031
3E2023	Green	3E2032
3E2024	Black	3E2033
3E2025	Brown	3E2034
3E2026	White	3E2035
3E2027	Gray	3E2036
3E2028	Maroon	3E2037

YOUR PRICE PER ROLL .. **14¢** — 9 Rolls (One Each Color) for **$1.15**

YOUR PRICE PER ROLL .. **49¢** — 9 Rolls (One Each Color) for **$4.05**

"Spaghetti" Tubing

30-inch lengths. The best quality spaghetti made. Made of high grade cambric tubing impregnated with high insulation transparent varnish. Different colors can be used to mark different circuit. Don't be fooled by low price spaghetti with gelatin or cheap oil impregnation. We know of no other brand on the market to approach our stock spaghetti in quality and our price is positively the lowest for this grade of quality.

3E2055—Black	3D2060—Blue
3E2056—Yellow	3D2061—White
3E2057—Brown	3D2062—Gray
3E2058—Green	3D2063—Maroon
3E2059—Red	

YOUR PRICE 10 lengths for ..... **59¢**

Insulating Cement

3E2065— Per 2-oz. bottle..... **22¢**

A transparent celluloid base cement for insulating and impregnating wires and coils. Makes spider web, honeycomb, etc., coils self-supporting. No capacity or absorption effects.

Saturated Braided Tubing

36-inch lengths. The correct size for all general purposes. Fits over sizes 14, 16 and 18 wire and can be used on size 12 wire with little stretching. Thoroughly saturated with a high quality wax impregnation.

3E2052—Red
3E2053—Black
10 lengths for ..... **29¢**

PLAIN ENAMELED

Size	½ lb. Spool Stock No.	½ lb. Spool Your Price	2 lb. Spool Stock No.	2 lb. Spool Your Price
14	3F2129	$0.16	3F3207	$0.70
16	3F2130	.21	3F3208	.72
18	3F2131	.24	3F3209	.75
20	3F2132	.24	3F3210	.78
22	3F2133	.25	3F3211	.84
24	3F2134	.27	3F3212	.93
26	3F2135	.29	3F3213	1.06
28	3F2136	.32	3F3214	1.20
30	3F2137	.34	3F3215	1.35
	¼ lb. Spool		1 lb. Spool	
32	3F2138	.25	3F3216	.76
34	3F2139	.30	3F3217	.90
36	3F2140	.38	3F3218	1.16
38	3F2141	.48	3F3219	1.50
40	3F2142	.70	3F3220	1.80

DOUBLE COTTON COVERED

Size	½ lb. Spool Stock No.	½ lb. Spool Your Price	2 lb. Spool Stock No.	2 lb. Spool Your Price
14	3F2114	$0.29	3F3221	$0.82
16	3F2115	.30	3F3222	.84
18	3F2116	.32	3F3223	1.20
20	3F2117	.35	3F3224	1.35
22	3F2118	.38	3F3225	1.50
24	3F2119	.44	3F3226	1.65
26	3F2120	.50	3F3227	1.94
28	3F2121	.62	3F3228	2.35
30	3F2122	.73	3F3229	2.64
	¼ lb. Spool		1 lb. Spool	
32	3F2123	.50	3F3230	1.65
34	3F2124	.62	3F3231	2.06
36	3F2125	.79	3F3232	2.50

DOUBLE SILK COVERED

Size	¼ lb. Spool Stock No.	¼ lb. Spool Your Price	½ lb. Spool Stock No.	½ lb. Spool Your Price
18	3F2108	$0.23	3F2146	$0.45
20	3F2109	.26	3F2147	.47
22	3F2110	.29	3F2148	.55
24	3F2111	.33	3F2149	.62
26	3F2112	.39	3F2155	.72
28	3F2113	.46	3F2156	.81
30	3F2163	.53	3F2157	.97
32	3F2158	.70		
34	3F2159	.94		
36	3F2160	1.29		
38	3F2161	1.82		
40	3F2162	2.56		

High Voltage Push-Back Wire

Voltage Breakdown 4000 Volts

High quality heavily insulated hook-up wire. Unusually high voltage breakdown and insulation resistance. Moisture proof. Especially desirable where positive elimination of current leakage through the insulation is necessary. Construction: tinned copper wire, single cotton served, lacquer compound insulated, wax impregnated outer cotton braid. Insulation and braid slip back easily.

Stranded Copper Core
Num. 18 (16 strands of #30 Wire)

3F3150—Black.	YOUR PRICE 100 ft. roll **76¢** EACH
3F3151—Red.	
3F3152—Blue.	
3F3153—Green.	
3F3154—Yellow.	
3F3155—Brown.	

Num. 20 Solid Copper Core

3F3156—Black.	YOUR PRICE 100 ft. roll **59¢** EACH
3F3157—Red.	
3F3158—Blue.	
3F3159—Green.	
3F3160—Yellow.	
3F3161—Brown.	

Rubber Covered Hook-up Wire

Stranded, tinned copper wire covered with $\frac{1}{64}$" live rubber insulation to withstand any voltage ordinarily used in radio. Best for short leads and ease of wiring. Belden 25-foot coils in carton.

3F2040—Red.	YOUR PRICE Per Coil **12¢** Six Coils For 63c
3F2041—Green.	
3F2042—Blue.	
3F2043—Black.	
3F2044—Yellow.	
3F2045—Gray.	

Magnet Wire Table
Showing Feet Per Pound

Size	Enameled	D.C.C.	D.S.C.
12	49.88	49.09	
14	79.4	77.58	
16	126.1	122.1	125.6
18	200.8	190.8	199.2
20	319.0	297.6	314.5
22	507.6	469.5	500.
24	803.	719.	790.
26	1275.	1116.	1245.
28	2024.	1718.	1957.
30	3221.	2591.	3068.
32	5102.	3861.	4762.
34	8130.	5405.	7138.
36	12887.	8711.	10741.
38	20492.	8425.	16529.
40	34169.	10000.	22573.

Belden Antenna Wire

Stranded Enameled Copper Wire

Stock No.	Size	Length Ft.	List Price	Your Price
3F3180	7x20	100	$ 1.65	$0.94
3F3181	7x20	1000	15.75	9.29
3F2381	7x22	75	.70	.38
3F2382	7x22	100	.85	.50
3F2383	7x22	150	1.30	.73
3F2384	7x22	1000	8.20	4.79

Solid Enameled Copper Wire

3F3182	10	100	$ 1.60	$0.88
3F3183	12	100	1.05	.62
3F3184	12	1000	10.00	5.82
3F3185	14	100	.70	.41
3F3186	14	1000	6.40	3.47

Stranded Tinned Copper Wire

3F3187	7x22	100	$ 0.75	$0.44
3F3188	7x22	1000	7.50	4.35

Stranded Bare Copper Wire

3F3189	7x20	1000	$10.75	$6.29
3F3190	7x22	50	.35	.21
3F3191	7x22	75	.50	.29
3F3192	7x22	100	.65	.41
3F3193	7x22	1000	6.50	3.91
3F3194	7x24	50	.23	.15
3F3195	7x24	75	.35	.21
3F3196	7x24	100	.45	.26
3F3197	7x24	1000	4.50	2.65

Giant Spaghetti
For Insulating Resistors, etc.

3F2054— Ea. Lgth. **18¢**

Ten lengths for $1.60

Cambric tubing. To insulate resistors. 1,000 volt insulation. Withstands 350° F. $\frac{3}{8}$" diameter. 3 ft. lengths.

Belden Magnet Wire On 5 Pound Spools

Size	Stock Number	Your Price 5 lb. Spool
Plain Enameled		
16	3F3233	$1.76
17	3F3234	1.80
18	3F3235	1.93
20	3F3236	1.95
22	3F3237	2.17
Single Cotton Enameled		
16	3F3238	2.07
17	3F3239	2.16
17½ (.043)	3F3240	2.25
18	3F3241	2.25
20	3F3242	2.52
Double Cotton Covered		
12	3F3243	2.12
14	3F3244	2.21
16	3F3245	2.36
17	3F3246	2.45
18	3F3247	2.65
20	3F3248	2.75

Belden All-Rubber Wire
For Lead-In and Ground

Insulated with special rubber compound which strips easily.

3F2395—No. 8850. 50 ft. No. 14 seven strand. List, 85c.
YOUR PRICE ..... **49¢**

3F2396—No. 8851. 250 ft. No. 14 seven strand. List, $4.00.
YOUR PRICE **$2.35**

3F2397—No. 8852. 50 ft. No. 16 seven strand. List, 55c.
YOUR PRICE ..... **32¢**

3F2398—No. 8853. 250 ft. No. 16 seven strand. List, $2.25.
YOUR PRICE **$1.30**

Belden Shielded Lead-In and Ground Wire

Stranded conductor with heavy easy-strip rubber insulation and overall braid of fine tinned copper wire.

3F2391—No. 8856. 50 ft. No. 14 shielded. List, $1.80.
YOUR PRICE **$1.08**

3F2392—No. 8854. 250 ft. No. 14 shielded. List, $8.50.
YOUR PRICE **$4.90**

3F2393—No. 8894. 50 ft. No. 16 shielded. List, $1.15.
YOUR PRICE ..... **69¢**

3F2394—No. 8895. 250 ft. No. 16 shielded. List, $6.00.
YOUR PRICE **$3.43**

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Doublet Arresters

For antennas of the doublet or double doublet type. These aerials use 2 conductor lead-ins and require duplex lightning arresters. Two arresters are combined in a single unit and take the place of two separate lightning arresters; greatly simplifying installation. Double antenna and ground combined in one unit.

A dependable air gap arrester. Porcelain case 3⅜"x1⅛"x1" high.
3F2208
Each ..... **18¢**
TEN FOR.....$1.60

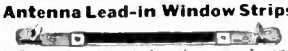
I.C.A. Doublet Arrester

Absolutely weatherproof and non-grounding. Can be installed indoors or outdoors. Made of black enameled porcelain. Supplied with mounting screws. Special quality carbon resistance used.
3J2462—List, 50c.
YOUR PRICE..... **25¢**

Duplex Vis-O-Glow
Neon Lightning Arrester

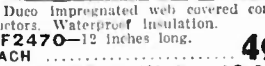
A $100.00 insurance policy against lightning, for your radio set, goes with this arrester. Utilizes the same principle of protection that is standard in railway signaling, police and fire alarm and other important low voltage circuits. This arrester by its Neon glow shows the approach of a storm. Arrester electrodes are suspended in a neon gas tube. No resistance element is used. It is more sensitive than any other radio arrester and also will carry the heaviest discharge. Causes no loss of signal strength. Particularly desirable for Short-Wave and All-Wave receivers. You can see it operate.
3F2212—List, $1.40
YOUR PRICE..... **82¢**

Antenna Lead-in Window Strips



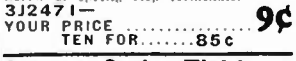
Duco impregnated web covered conductors. Waterproof insulation.
3F2470—12 inches long.
EACH ..... **4¢**
Ten for...39c; 100 for...$2.95

Duplex Lead-In Strip



For antennas of the doublet or double doublet type. Highest grade weatherproof braid insulation. Heavy copper core, 12" long. Mounting screw holes. Screw or spring clip terminals.
3J2471—
YOUR PRICE ..... **9¢**
TEN FOR.....85c

Antenna Spring Tightener



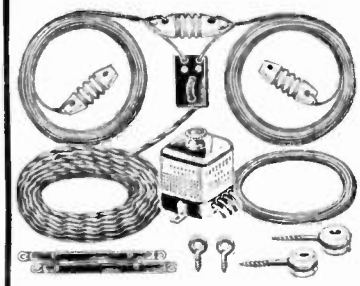
Takes up slack in Aerial.
3F2376—Spring only.
EACH ..... **7¢**

Spring Aerial Adjuster

Automatically keeps antenna tight and straight. Prevents swaying. Particularly desirable on doublet type of aerial installations. Ends equipped with porcelain insulators. Length, 9½" overall.
3F2375—List, 50c.
YOUR PRICE, EACH ..... **29¢**
TEN FOR.....$2.65

Triumph "Foreign Scout" Doublet Antenna

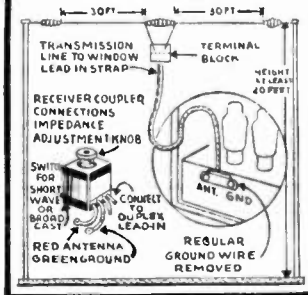
Completely Assembled and Soldered Ready to Hang



3J2100—Complete with receiver coupling transformer.
List Price, $6.00.
YOUR PRICE **$2.25**

3J2101—Complete except without receiver coupling transformer. For use on sets with doublet aerial connections (1-Ant. and 2 Gnd's).
List Price, $4.25.
YOUR PRICE .. **$1.45**

Installation diagram.



For reception of Short-wave or Standard Broadcast on All-Wave or Dual-Wave Receivers

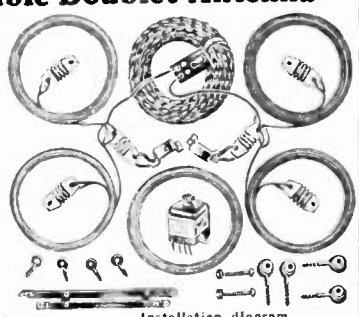
Two 30' aerials connected to duplex lead-in are coupled to receiver through shielded set transformer. Capacity adjustment on set coupler matches antenna to impedance of set—a switch to adjust antenna for reception of short-wave or broadcast.

Kit Includes:

2-30' lengths of #15 solid enameled copper wire with porcelain insulators attached; 1-75' length of two conductor #18 stranded tinned copper wire, rubber insulated, with weatherproof braid overall. Lead-in attached to bakelite Terminal Block; 2-Porcelain eye 3" insulators; 2-Screw Eyes; Lead-in Strip; 1-12½' length of wire for attaching aerial to supports.

Triumph Double Doublet Antenna System

Completely Assembled and Soldered Ready to Hang



3J2102—Complete as illustrated with receiver coupling transformer.
List Price, $7.50.
YOUR PRICE .. **$2.75**

3J2103—Complete except without receiver coupling transformer. For use on sets with doublet aerial connections. (Receivers having 1 Ant. and 2 Gnd. connections.)
List Price, $6.00.
YOUR PRICE **$1.95**

- **Peaked for Foreign Broadcasts**
- **Reduces Interference Noise—**

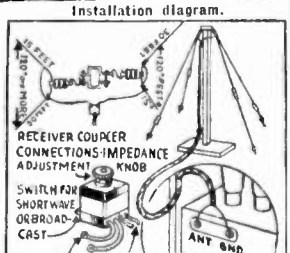
For use with receivers designed to receive World Wide broadcasts.

Consists of two separate dual types of aerials,—two 30 ft. long and two 15 ft. long—connected to a duplex transmission lead-in which is coupled to the receiver through a set coupling transformer. Only one mast required for erection.

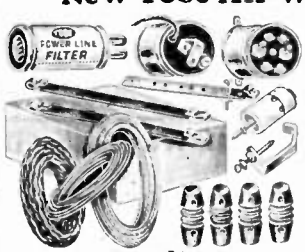
Kit Includes:

Antenna assembly consists of 2-15' legs and 2-30' legs constructed of #15 solid enameled copper wire; 1 extra 50' roll supplied for connections to supports; 6-porcelain Strain Insulators all attached; 4-Porcelain eye 3" Insulators; 4-Screw Eyes; 2-Support Clamps attached; bakelite terminal block attached; duplex Lead-in.

Installation diagram.



New Tobe All-Wave Aerial Kits



Noise-Free Reception and Maximum Efficiency with All-Wave or Dual-Wave Radio Receivers.

Designed to keep man-made static out of the receiver at all frequencies of reception from 500 kilocycles to 15 megacycles (20 to 600 meters). 75 ft. of aerial is supplied but this length may be shortened if necessary. Aerial circuit is connected through a shielded weatherproof antenna transformer along a two conductor transmission line to a transformer at the receiver. The receiver transformer is fitted with two 2-position switches to adjust impedance for the most efficient reception on all wave bands. Model 34 Kit includes 75' of stranded No. 24 bare copper wire; 50' Two conductor transmission line of No. 22 stranded copper wire conductors, rubber insulated and braid covered overall; 25 ft. No. 18 stranded rubber covered ground wire with braid overall; 1—Antenna transformer; 1—Receiver transformer; 1—Power Line Filter; 2—Window leading; 4—Strain insulators; 1—Porcelain knob; 1—Ground clamp.

Price List

3F8497—Code 34. Complete as illustrated and described.
List Price, $6.95.
YOUR PRICE..... **$4.09**

3F8498—Essentials Kit Number 35 Includes: 1—Aerial transformer; 1—Receiver transformer; and 50' of transmission line. No aerial wire nor insulators included.
List Price, $4.95.
YOUR PRICE..... **$2.91**

Arresters

For antennas with only a single conductor lead-in. Use the arresters listed on the left side of this page for the new doublet type of antenna.

A dependable air gap type arrester. Porcelain case. Shpg. wt., 10 oz.
3F2207—Each ..... **5¢**
TEN FOR 40c
100 FOR $3.75

Belden Bakelite Lightning Arrester

Moulded bakelite body. Suitable for use inside or out of doors. Sturdy. Reliable. Underwriters standard. Furnished with $100.00 lightning damage guarantee.
3F2379—List, 25c.
YOUR PRICE..... **14¢**
TEN FOR $1.35

Brach Storm King Arrester

Made of genuine bakelite. The original non-air gap type of arrester. Over six million now in use. Tested to meet the requirements of the National Board of Underwriters. Shpg. Wt., 1 pound. Mounting screws supplied.
3F2211—List, 50c.
YOUR PRICE..... **28¢**

Brach Duplex Storm King
3F2210—List, 90c.
YOUR PRICE..... **53¢**

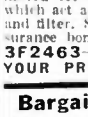
Glass Arresters

Base of clear crystal glass. Carbon element held between brass conductors. Clearly visible. $100.00 insurance with this arrester.
3F2224—List, $1.00.
EACH ..... **47¢**

ELECTRO-STATIC
Lightning Arrester **Static Arrester**

Has choke coil and condenser connected between aerial and set terminals which act as a static and noise reducer and filter. Sold with a $100.00 free insurance bond against lightning.
3F2463—List Price, $1.00.
YOUR PRICE ..... **43¢**

Bargain Ground Clamp



Vise grip. Rustproof hardened steel frame. Has separate screw for attaching wire. A quality ground clamp at an unusually low price. Fits pipe up to 1¼" diameter. Sold only in lots of 10 or more.
3F2256—
10 FOR ..... **25¢**
100 FOR $2.25

Channel Ground Clamp

Reinforced frame. Teeth cut through rust and paint. Separate screw for attaching wire. Fits pipe up to 1½ inches diameter.
3F2439—
EACH ..... **5¢**
Ten for 45c
Per Hundred..$4.25

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AERIAL WIRE AND EQUIPMENT

Insulators

Wall Insulator

For supporting wiring or instruments, or may be used outside for supporting lead-in or ground wires. Glazed brown porcelain. Nuts and washers as shown. Dimensions: 2⅛x2⅛x2 inches. Shpg. wt., 8 oz.

3J2230—
YOUR PRICE ..... **7¢**
Ten for 65c

Aerial Insulators

Glazed porcelain, deeply corrugated to prevent leakage. Holes at each end for attaching wires. Shpg. wt., ⅛ lb.

3E2232—2½ inches long.
Ten for **18c**
100 Lots, $1.75

3E2233—4 inches long.
Each **5c**
Ten for, 46c

3E2234—5 inches long.
Each **8c**

Screw Eye Insulator

3E2237—With 3 inch long screw.
Each ..... **2½¢**
Ten for 21c
100 Lots, $1.95

3E2238—With 7 inch long screw.
Each ..... **4¢**
Ten for 35c
100 Lots, $2.75

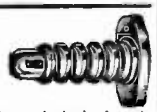
For attaching lead-in or ground wire to posts or side of building. Center of porcelain, mounted in galvanized screw eye. Shpg. wt., 4 oz.

Nail Knobs

Glazed, white porcelain insulators. Separable cap with base. Assembled together with nail having leather washer under head. Ready for use. Grooves for two wires. For lead-in or ground wires. Diameter 1⅛ in. Height, 1¾ in.

3F2223—
Ten for ..... **17¢**
Per Hundred $1.55

Stand-off Porcelain Insulators



Made of porcelain. 4 inch lengths only. For finest antenna installations. Shpg. wt., 6 oz.

3E2229—4 inch.
Your Price ..... **7¢**
Ten for 65c

Porcelain Strain Insulator

Designed especially for insulating extra long aerials or guy wires. Extra strong. These insulators will help prevent antenna troubles. Shpg. wt., dozen, 4 lbs.

3E2239—Each **5¢**
Ten for 36c

Glass Insulators

Special tempered glass unaffected by heat or cold or other atmospheric conditions. Finest quality. Approximately 3¼ in. long.

3E2231—Ten for ..... **29¢**
Per Hundred $2.65

Baby Insulator

For suspending wire inside of house. Rubber insulator. Screw 1½ in. over all

3E2240—
Per box of 10 ..... **18¢**

Noise Reducing Transmission Lines

For All Aerials Using Two Conductor Lead-In

Exactly the Same as supplied with the Philco and Tobe All-Wave antenna systems and the Radolek Dual Antenna All-Wave System.

Consists of two conductors of size 22 stranded tinned copper wires. Each conductor is cotton served and rubber covered (one red and one black). Conductors are twisted together and covered overall with a weatherproof impregnated cotton braid. ⅜" overall diameter. A high quality cable suitable for use with any doublet, double doublet or any type of aerial requiring a two conductor lead-in.

3F2260—50 foot roll.
YOUR PRICE **44c**

3F2261—100 foot roll.
YOUR PRICE **80c**

3F2262—500 foot roll.
YOUR PRICE **$3.45**

Exactly the Same as supplied with the R.C.A. "World-Wide" Double Doublet, the new R.C.A. R.K. 40 and Radolek Double Doublet All-Wave antenna systems.

Consists of 2 conductors of size 20 stranded tinned copper wires, rubber insulated (one red and one black), covered overall with a weatherproof cotton braid. If additional lengths are required for installation of the R.C.A. or Radolek Double-Doublet aerials a second 80' length should be purchased and taped to the first 80' length supplied with these kits. Above 160' transmission line may be cut to exact length required. Satisfactory for use with any aerial requiring a noise reducing two conductor transmission line.

3F2088—List Price, $3.48.
YOUR PRICE,
(80 foot roll) ..... **93¢**

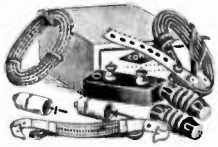
3F2094—500 feet.
YOUR PRICE **$5.50**

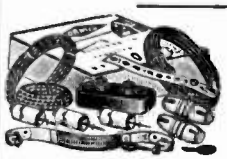
Aerial Kits—Priced Right

STANDARD
KIT CONTAINS:

50 ft. No. 7/26 stranded aerial wire; 25 ft. rubber covered lead-in wire; 1 approved lightning arrester; 2 porcelain insulators; 1 ground clamp; 1 window lead-in; 2 porcelain nail knobs.

3F2075—YOUR PRICE ..... **37¢**



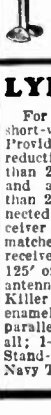


SPECIAL
KIT CONTAINS:

75 ft. No. 7/26 stranded aerial wire; 50 ft. rubber covered lead-in wire; 25 ft. ground wire; 1 standard approved lightning arrester; 2 porcelain insulators; 3 porcelain nail knobs; 2 galvanized screw eyes; 1 window lead-in strip; 1 ground clamp; 1 instruction sheet.

3F2076—YOUR PRICE ..... **63¢**

Adjustable Tubular Steel Masts



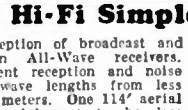
Strong telescoping masts made of high carbon steel tubing. Baked green enamel finish. Base adjustable to fit any roof angle. Simply nail or screw base to roof and bend upright. Masts are fitted with guy wire discs at top and guy rings at intermediate sections. A clamping device locks sections at any height. Length collapsed 50 inches.

3F10210—Two Section. Extends 7 feet. Shpg. Wt. 5 lbs. List, $4.75.
YOUR PRICE **$1.17**

3F10211—Three Section. Extends 10 feet. Wt. 7 lbs. List, $2.75.
YOUR PRICE **$1.83**

3F10212—Four Section. Extends 13 feet. Wt. 10 lbs. List, $3.75.
YOUR PRICE **$2.50**

Adjustable Guy Anchor



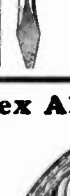
3F2227—Each. **10¢**
Ten for 80c

Solid Rod 4 Foot Mast

Made of rust-proofed, solid steel. ⅜" rod. Base fits flat or sloping roof. May be attached to side walls or ends of building. Fitted with a large, double groove, porcelain insulator for positive separation of aerial and guy wires. Ship. wt. 3½ lbs. Supplied without aerial or guy wire.

3F10213—
YOUR PRICE .... **39¢**

Ground Rods Copper Plated



Made of hard drawn steel wire. Pointed for easy driving.

Heavily copper plated for rust prevention and insures positive electrical grounding. Screw type clamp. ⅜" Dia.

3F10215—4 Foot Rod.
YOUR PRICE, EACH ..... **28¢**
Ten for $2.65

3F10216—6 Foot Rod.
YOUR PRICE, EACH **38c**
Ten for $3.70

LYNCH Hi-Fi Simplex All-Wave Aerial

For the reception of broadcast and short-waves on All-Wave receivers. Provides efficient reception and noise reduction on wave lengths from less than 2 to 600 meters. One 114' aerial and another aerial, not to be less than 2' are employed. Aerials are connected to a dual lead-in and to the receiver through a receiver coupler which matches the aerial and lead-in to the receiver impedance. Kit includes:—125' of stranded No. 22 Heavy Hi-Mho antenna wire; 35' —2 conductor Giant Killer Lead-in of Stranded No. 20 enameled wire, cambric wrapped, laid parallel with heavy rubber jacket overall; 1—HiFi Receiver Coupler; 1—3" Stand-off Insulator; 2 Nail knobs; 3 Navy Type Insulators; 1 Porcelain tube.

3F8517—List, $7.00.
YOUR PRICE..... **$4.05**

Transposition Blocks

For bringing down a transposed lead-in. Extremely durable. Made of a special moisture-proof glazed porcelain material. The greatest possible signal strength can be secured with these blocks.

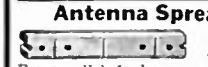
3E8550—
YOUR PRICE EA. .. **5¢**
10 for 45c

Cage Aerial Spreaders

For use wherever a cage type of aerial is to be employed. Constructed of special moisture-proof glazed porcelain material. Electrical losses are reduced to a minimum.

3E8551—
YOUR PRICE, EACH ..... **8¢**
10 for.....75c

Antenna Spreaders



Reduces electrical loss. For parallel feeders or antenna spreaders. Size ½" wide x ¾" thick.

3J8576—3½" long unglazed.
3J8577—6" long unglazed.
YOUR PRICE, EACH ..... **5¢**
10 for 45c

3J8578—3½" long glazed.
3J8579—6" long glazed.
YOUR PRICE, EACH ..... **12¢**
10 for $1.10

Airplane Insulator

3E8575 — 1¾" long, ⅞" diameter, ¼" holes. Glazed overall.
EACH ..... **2¢**
10 for 19c

Cross-Over Insulator

3F2220—
YOUR PRICE, EACH
5¢
Ten for 47c

Size: 2½x3x⅜ inches. For use with double-doublet antenna systems. Made of a high quality glazed porcelain. Will not absorb moisture.

Antenna Crossover Insulator

3J2221—
YOUR PRICE, EACH ..... **29¢**
Ten for $2.75

For use with double-doublet aerials. Strong glazed porcelain. Size 6x10".

Porcelain Wall Tubes

3F2218—6 inches long.
YOUR PRICE, EACH..... **3¢**
Ten for 25c

For bringing lead-in into building. Eliminates any possibility of signal reduction due to cutting of wires or leakage. ⅜" hole.

Galvanized Guy Wire

For Supporting Aerial Masts

3F2226—50 foot coil.
Your Price .. **17¢**
Ten rolls for $1.60

A special grade, tough, non-stretching galvanized wire. Annealed for handling.

Universal Coupler

3J8554—List, $1.00.
YOUR PRICE ..... **29¢**

Matches any aerial using a two wire lead-in to any receiver input circuit impedance. Increases effectiveness of the aerial and decreases noise pickup of lead-in. Installed at receiver. With diagram.

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World Radio History

Stranded Phosphor Bronze Dial Cable

3F9250—
25 foot spool..... **74¢**

3F9251—
50 foot spool..... **$1.39**

3F9252—
100 foot spool..... **$2.60**

Right size, flexibility, and strength for any make drum dial. Six individual cables each consisting of seven fine strands of phosphor bronze wire are scientifically braided together and around a strong center fibre cord making a cable 1/8" diameter. Best quality cable made.

Braided Bronze Dial Cable

Sixteen number 36 bronze wires braided over strong linen thread center. Of better quality than cable usually offered at a low price.

3J9253—25 foot coil ..... **22¢**
3J9254—50 foot coil ..... **36¢**
3J9255—100 foot spool .... **60¢**

Linen Dial Cable

Made of finest linen. Tightly braided. Tensile strength 150 lbs. Used on the R.C.A. and Majestic No. 52 sets, Ford V-8 and G.E. Model B-40 Auto Radio and other Receivers. Diam. Approx. 1/8".

Light Linen Cable

3F9256—25 foot spool.
YOUR PRICE ..... **77¢**

3F9257—100 foot spool.
YOUR PRICE **$2.65**

Heavy Linen Cable

Tensile strength 200 lbs. Used on Philco and Brunswick receivers and many other sets. Diam. Appro. 1/8".

3F9258—25 foot spool.
YOUR PRICE ..... **88¢**

3F9259—100 foot spool.
YOUR PRICE **$2.90**

Universal Coil Winder

3E4629—
YOUR PRICE **$4.35**

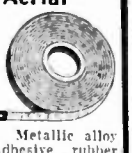
For winding Honey Comb, Spider Web and Solenoid Coils of different widths and diameters. Will use wire of different gauges. Accurate coils can be made. Equipped with necessary accessories for winding various types of coils. Has a recorder with adjustable pointer for counting number of turns.

Wire Stripper

3J4577—
YOUR PRICE ..... **9¢**

Strips insulation from radio wires easily and cleanly. Saves time. Cutting edge of tempered steel that will retain its hardness and last for years.

Stick Tape Aerial



For Interior and Auto Use.
3F2299—
List, $1.00.
YOUR PRICE
36¢
10 for $3.20

Sticks on any surface. Metallic alloy of great capacity adhesive rubber coating on back. Clip terminal. Easily installed. 40 feet to the roll.

Drive Cables, Bands, Belts

For Standard Receiver Dials

Prices are for Belts, Cables or Cords complete as required on original equipment used with sets specified. The size, materials and make-up exactly duplicate the original equipment. Can be substituted without alterations.

Make of Set	Stock No.	Your Price
ATWATER KENT		
30 (Belts: Set	3F9261	15¢
35, 37 of 2 Left	3F9262	15¢
40, 46 and	3F9263	15¢
52, 53, 55 right)	3F9264	15¢
32, 36 (Belts: Set	3F9265	24¢
42, 44 of 3 Left	3F9266	24¢
60, 61 and right)	3F9267	24¢
BALKEIT		
All No's-Drive Cable	3F9268	24¢
BOSCH		
28, 29, 825-Drum Cable	3F9269	15¢
28, 29, 825-Cable w/ spring	3F9270	24¢
48A-Drive Cable	3F9271	15¢
58, 60-Drive Cable	3F9272	15¢
58A-Drive Cable	3F9273	15¢
260, 312, 250-Cords and Lugs	3F9274	21¢
405-Cords and Lugs	3F9275	18¢
BREMER-TULLY		
14, 21, 31-Cords & Lugs	3F9276	15¢
BRUNSWICK		
S-14, 21, 31-Cords and Lugs	3F9277	15¢
15, 22-Wide Belt-Front	3F9278	24¢
15, 22-Wide Belt-Rear	3F9279	24¢
CROSLEY		
408,608,804-Drive Cable	3F9280	18¢
120 series-Drive Cable	3F9281	18¢
601,602,607-Belt:Spring	3F9282	21¢
EMERSON		
All No's-Drive Cable	3F9283	24¢
EVEREADY		
50-Drive Cable	3F9284	15¢
FREED EISEMANN		
NR60-Belt	3F9285	18¢
FRESHMAN		
N-12 Heavy Cable	3F9286	24¢
GENERAL ELECTRIC		
B40-C41-Auto Drive Cord	3F9287	15¢
GENERAL MOTORS		
"A"-120-Drive Cable Long	3F9288	24¢
KELLOGG		
All No's-Set of 2 and springs	3F9290	30¢
KOLSTER		
6J, 6K-(cord w/beads	3F9291	24¢
K20, K45- on end)	3F9292	24¢
43, 44-Extra Heavy Cable	3F9293	30¢
MAJESTIC		
70,71,72-Exactly duplicates original (42 strands)	3F9294	12¢
70, 71, 72-(18 strands)	3F9295	09¢
180	3F9327	15¢
15B Lazyboy-Special Belt	3F9296	24¢
52, 60-Linen Cord	3F9297	15¢
PHILCO		
15-Linen Cord	3F9298	15¢
16 (Code 125). Linen Cord	3F9299	15¢
16 (Code 126). Linen Cord	3F9300	15¢
18, 44-Linen Cord	3F9302	15¢
65, 76 (Set of	3F9303	36¢
80, 87 2	3F9304	36¢
95, 551 Heavy Cables)	3F9305	36¢
71, 91, 96 (Linen	3F9306	15¢
111, 112, 112A Cord)	3F9307	15¢
144-Linen Drive Cord	3F9308	15¢
R.C.A. VICTOR		
16, 17, 18-Drive Cable	3F9309	18¢
33-Linen Cord	3F9310	15¢
42, 48-Linen Cord	3F9311	21¢
44, 46, 47-Drive Cable	3F9312	18¢
80, 82, 86-Linen Cord	3F9313	21¢
64, 67-Heavy w/connector	3F9314	60¢
R14, R15, R17-Linen Cord	3F9315	21¢
M34, M105-Drive Cord	3F9316	15¢
SPARTON		
All No's-Drive Cable	3F9321	18¢
STEINITE		
All No's-Drive Cable	3F9322	18¢
All No's-Belts: Set of 2	3F9323	18¢
TEMPLE		
All No's-Set-2-w/ springs	3F9324	30¢
ZENITH		
17-Long Belt	3F9326	30¢

Twisted Pair Lead-in Wire

RUBBER COVERED
Over Each Conductor

Each conductor is of No. 18 (16x30) stranded tinned copper wire with a 1/8" rubber wall. No outer braid overall.

3F2150—50 Ft. Roll.
YOUR PRICE ..... **55¢**
3F2151—100 Ft. Roll.
YOUR PRICE ..... **94¢**
3F2152—250 Ft. Roll.
YOUR PRICE **$2.25**

RUBBER COVERED
With Cotton Braid Overall

Each conductor is of No. 20 (10x30) stranded tinned copper wire, lateral paper wrapped, 1/8" rubber covered, twisted together and a heavy weatherproof impregnated cotton braid overall.

3F2323—50 Ft. Roll.
YOUR PRICE ..... **60¢**
3F2324—100 Ft. Roll.
YOUR PRICE **$1.15**
3F2325—250 Ft. Roll.
YOUR PRICE **$2.62**

SOLID ENAMELED
Cotton Braid Over Conductors

Each conductor is of No. 19 solid enameled copper wire, cotton served, impregnated cotton braid covered. Color coded. Twisted together. No outer braid overall.

3F2326—50 Ft. Roll.
YOUR PRICE ..... **47¢**
3F2327—100 Ft. Roll.
YOUR PRICE ..... **89¢**
3F2328—250 Ft. Roll.
YOUR PRICE **$2.05**

SHIELDED SOLID ENAMELED
Cotton Braid Over Conductors

Each conductor is of No. 19 solid enameled copper wire, cotton served and covered with an impregnated cotton colored braid. Conductors are twisted together and a bare copper shield is tightly woven overall.

3F2329—50 Ft. Roll.
YOUR PRICE ..... **85¢**
3F2348—100 Ft. Roll.
YOUR PRICE **$1.62**
3F2349—250 Ft. Roll.
YOUR PRICE **$3.82**

Single Conductor Lead-in Wire

Copper wire, rubber insulated. Used for lead-in and ground wire. Also makes good aerial wire. Gauge No. 18.

Solid Conductor—Rubber Covered
With outer weatherproof braid.

Stock Number	Coil Feet	Per Coil	Ten Coils for
3F2165	25	$0.11	$1.05
3F2166	50	.21	2.05
3F2167	100	.41	4.00
3F2168	1000	3.95	

Stranded Conductor
Rubber Covered—No outer braid.

Stock Number	Coil Feet	Per Coil	Ten Coils for
3F2169	25	$0.10	$0.97
3F2170	50	.19	1.84
3F2171	100	.37	3.65
3F2172	1000	3.60	

Test Prod Lead Wire

Flexible rubber covered stranded copper wire, equivalent to size 16. Conductor is covered with cotton serving over which is a live rubber covering 1/8" thick. Over this is a lacquer saturated tight cotton braid. Will withstand highest voltages encountered in radio test work.

3F2080—Red **3F2082**—Green
3F2081—Black **3F2083**—Yellow
3F2079—Blue **3F2084**—Purple
YOUR PRICE
Each 25 Ft. Roll..... **37¢**
100 Ft. for... **$1.10**

Copper Aerial Wire

Hard-drawn high grade copper wire. Practically no stretch. Excellent for every aerial requirement. Guaranteed full length and gauge as specified. Our prices are the lowest for wire of standard gauge, full length and highest quality.

Stranded Bare Copper

Stock Number	Size	Coil Feet	Per Coil	Ten Coils
3F2175	7x26	50	9¢	$0.80
3F2176	7x24	50	14¢	1.32
3F2177	7x22	50	16¢	1.55
3F2178	7x26	75	13¢	1.24
3F2179	7x24	75	18¢	1.75
3F2180	7x22	75	22¢	2.09
3F2181	7x26	100	17¢	1.65
3F2182	7x24	100	22¢	2.10
3F2183	7x22	100	29¢	2.75
3F2331	7x26	250	41¢	3.90
3F2332	7x24	250	56¢	5.32
3F2333	7x22	250	71¢	6.65

Stranded Enameled Copper

Stock Number	Size	Coil Feet	Per Coil	Ten Coils
3F2334	7x26	50	12¢	$ 1.05
3F2335	7x24	50	17¢	1.60
3F2185	7x22	50	20¢	1.95
3F2336	7x20	50	45¢	4.28
3F2337	7x26	75	17¢	1.61
3F2186	7x24	75	25¢	2.38
3F2187	7x22	75	32¢	3.04
3F2338	7x20	75	63¢	5.89
3F2188	7x26	100	22¢	2.10
3F2189	7x24	100	33¢	3.13
3F2190	7x22	100	39¢	3.75
3F2339	7x20	100	82¢	7.79
3F2340	7x26	250	54¢	5.13
3F2341	7x24	250	79¢	7.50
3F2342	7x22	250	97¢	9.22
3F2343	7x20	250	$1.95	18.53

Solid Enameled Copper

Stock Number	Size	Coil Feet	Per Coil	Ten Coils
3F2344	10	100	75¢	$ 7.25
3F2192	12	100	45¢	4.45
3F2191	14	100	31¢	2.95
3F2345	10	250	$1.95	19.00
3F2346	12	250	1.16	11.48
3F2347	14	250	.74	7.26

Shielded Lead-in and Ground Wire

Size 18 stranded inner conductor. Rubber insulated with outer braided shield of tinned copper wire. When used as lead-in, by grounding the outer shield, the tendency to pick up man-made static between aerial and receiver is practically eliminated.

3E2195—50 foot coil.
EACH ..... **45¢**
3E2196—100 foot coil.
EACH ..... **88¢**
3E2194—250 foot coil.
EACH **$2.15**

Indoor Aerial Wire

For A.C., D.C. Sets.
3F2074—60' coil.
YOUR PRICE ..... **29¢**
3F2089—125' coil.
YOUR PRICE ..... **50¢**

Extremely Flexible. A well insulated stranded conductor is covered with a brown cotton braid. Will not kink and can be easily concealed. Also suitable for loop aerials.

World Radio History
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Toggle, Push Button, Rotary and Knife Switches

Toggle-Panel Switches

Miniature Size

Underwriters approved, 3 amp., 125 V.—1 amp. 250 V. For controlling radio sets, small motors, lamps, meters, etc. Mounting sleeves all ⅜" diameter. Two locknuts included. Very rugged. **Best quality. H. & H. brand.** Laminated bakelite or fiber insulation. Solder lug connections.

Single Pole—Single Throw

2 Connections

Makes and breaks a single circuit. Standard "ON" and "OFF" switch. Mounting sleeve ⅜" diameter.

Stock Number	Sleeve Length	Price Each	Ten For
3J6300	¼"	17¢	$1.58
3J6301	½"	21¢	1.95
3J6415	¾"	22¢	2.05
3J6302	1"	23¢	2.10

Single Pole—Double Throw or Three Way

3 Connections

Can be used as Three way, or single pole double throw. Mounting sleeve ⅜" diameter.

Stock Number	Sleeve Length	Price Each	Ten For
3J6303	¼"	20¢	$1.90
3J6304	½"	23¢	2.15
3J6416	¾"	24¢	2.20
3J6305	1"	27¢	2.50

Double Pole—Single Throw

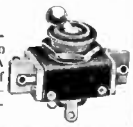
4 Connections

Cuts two circuits in and out. "On" and "Off" for two circuits. Mounting sleeve ⅜" diameter.

Stock Number	Sleeve Length	Price Each	Ten For
3F6306	¼"	24¢	$2.20
3F6307	½"	27¢	2.50
3J6417	¾"	29¢	2.70
3F6308	1"	30¢	2.80

Double Pole—Double Throw

6 Connections



Feeds two circuits into either one of two pairs of circuits. A new development of many uses. Mounting sleeve ⅜" diameter.

Stock Number	Sleeve Length	Price Each	Ten For
3J6309	¼"	37¢	$3.60
3J6310	½"	42¢	4.05
3J6418	¾"	43¢	4.20
3J6311	1"	45¢	4.40

Special Toggle Switches

Underwriters approved 125 V. 6 amp.; 250 V. 3 amp. Bakelite body. Solder lug connections. Mounting sleeves ⅜" diameter. Two locknuts included.

Single Pole—Single Throw

2 Connections

Makes and breaks a single circuit.

Stock Number	Sleeve Length	Price Each	Ten For
3F6335	¼"	14¢	$1.30
3F6336	½"	16¢	1.50
3F6337	¾"	18¢	1.75

Double Pole—Double Throw

6 Connections

Stock Number	Sleeve Length	Price Each	Ten For
3F6341	¼"	28¢	$2.70
3F6342	½"	32¢	2.95
3F6343	¾"	35¢	3.20

Rotary Panel Switches

Underwriters approved. For knob operation. 3 amps. 250 volts. Best quality. H.&H. brand. Cadmium plated lugs. Supplied with locknuts. Mounting sleeve ⅜" diameter. Knob Shafts extend 1" beyond threaded sleeve.

Single Pole—Single Throw

2 Connections

Stock Number	Sleeve Length	Price Each	Ten For
3E6312	¼"	16¢	$1.52
3E6313	½"	18¢	1.71
3E6314	1"	22¢	2.09

Single Pole—Double Throw

3 Connections

Stock Number	Sleeve Length	Price Each	Ten For
3E6316	¼"	22¢	$2.09
3E6317	½"	24¢	2.28
3E6318	1"	29¢	2.75

Double Pole—Single Throw

4 Connections

Stock Number	Sleeve Length	Price Each	Ten For
3E6319	¼"	36¢	$3.40
3E6320	½"	42¢	3.95
3E6321	1"	46¢	4.32

Double Pole—Double Throw

6 Connections

Stock Number	Sleeve Length	Price Each	Ten For
3E6322	¼"	42¢	$3.95
3E6323	½"	46¢	4.37
3E6324	1"	51¢	4.95

Key Lock Switch

Double Pole—Single Throw

4 Connections

3C6315

Price Each **50¢**

TEN FOR **$4.75**

Makes and breaks one or two circuits by turn of key. Key removable when circuit is broken. Mounting sleeve ⅜" diam., ½" long. Attractive lock nuts included. One key supplied. Underwriters approved. 3 amp., 125 volts. Body size ⅞" deep, ¾" wide, ½" long with insulation and lugs.

Two Circuit Push Button Switches

Two circuit non-indicating slow make and quick break momentary contact switches. One circuit is normally ON and the other is normally OFF. Pressing the push button reverses the "off" and "on" position of the circuits. When pressure on the push button is released the condition of the circuits return to normal. Finest quality Laminated bakelite or fibre insulation. Tinned copper solder lug connections. Rating 75 watts, 125 volts, A.C. Standard ⅜" diam. bushing ⅝" long.

With Metal Plunger

Same switch as used on Supreme and other makes of instruments.

3F6400—Your Price, Each ..... **31¢**

Ten for $2.79

With Bakelite Button Plunger

Supplied with a black or red bakelite concaved button on end of plunger.

3F6401—Red Button

3F6402—Black Button

Your Price, Each ..... **40¢**

Ten for $3.60

With Bakelite Tip Plunger

Supplied with a red or black bakelite tip on end of plunger.

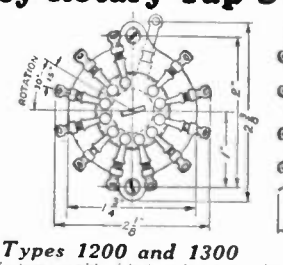
3F6403—Red Tip.

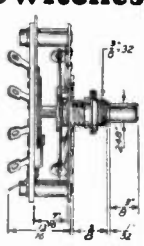
3F6404—Black Tip

Your Price, Each ..... **32¢**

Ten for $2.88

New Yaxley Rotary Tap Switches



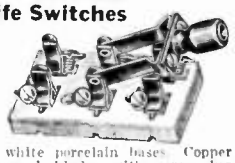


Types 1200 and 1300

A new adjustable stop feature provides many additional combinations in each switch and makes it possible to use a single switch for many different specifications. Any number of contacts or circuits up to the maximum available can be obtained from any of the various sizes of switches. For example: No. 1316 type switch, one gang, single circuit may be used as a two, three, four, five or six point switch by simply adjusting the stop on the front of the switch to the number of points required. **Switches may be wired in circuit experimentally,** then adjust the stop for permanent installation. New design, excellent construction. For general radio and laboratory test circuit. Mount in ⅞ inch hole on panels not over ¼ inch thick. Locknut holds switch securely in place. **Silver plated phosphor bronze contacts** securely mounted on punched bakelite form. Phosphor bronze wiping contact arm. Gangs are rigidly clamped together. Diameter overall 2⅛". No wearing nor play even in multi-gang with wide spacing. One and two gang switches are provided with ½" spacing between gangs. Three and four gang switches are provided with 1" spacings. **Switches can be disassembled and the spacers cut down** to meet special requirements as to length and the spacing of the sections. Supplied with knob but less escutcheon.

Shorting Type	Non Shorting	Single Gang Switches	List Price	Your Price
YF1210	YF1316	Single Circuit 1 to 6 points	$1.00	$0.59
YF1211	YF1311	Single Circuit 1 to 11 points	1.15	.68
YF1215	YF1315	Two Circuit 1 to 5 points each circuit	1.25	.73
YF1213	YF1313	Three Circuit 1 to 3 points each circuit	1.35	.79
YF1212	YF1312	Four Circuit 1 or 2 points each circuit	1.45	.85
		Two Gang Switches		
YF1226	YF1326	Two Circuit 1 to 6 points each circuit	1.60	.94
YF1221	YF1321	Two Circuit 1 to 11 points each circuit	1.75	1.03
YF1225	YF1325	Four Circuit 1 to 5 points each circuit	2.00	1.18
YF1223	YF1323	Six Circuit 1 to 3 points each circuit	2.10	1.22
YF1222	YF1322	Eight Circuit 1 or 2 points each circuit	2.25	1.32
		Three Gang Switches		
YF1236	YF1336	Three Circuit 1 to 6 points each circuit	2.20	1.29
YF1231	YF1331	Three Circuit 1 to 11 points each circuit	2.35	1.38
YF1235	YF1335	Six Circuit 1 to 5 points each circuit	2.50	1.47
		Four Gang Switches		
YF1246	YF1346	Four Circuit 1 to 6 points each circuit	2.75	1.62
YF1241	YF1341	Four Circuit 1 to 11 points each circuit	3.00	1.76
YF1245	YF1345	Eight Circuit 1 to 5 points each circuit	3.50	2.06

Porcelain Base Knife Switches



Glazed white porcelain bases. Copper contacts and blades with screw lug connections. Porcelain or composition finger holds. Base lengths: S.P.—2⅝"; D.P.—3⅞". Widths: 1" and 2". Rated 125 V., 25 A. For concealed or open wiring. **10¢**

3F6375—S.P.S.T. Each ..

3F6376—S.P.D.T. Each, 12c

3F6377—D.P.S.T. Each, 17c

3F6378—D.P.D.T. Each, 19c

Small Bakelite Base Knife Switches

Base lengths:—Double Throw 2½ inches; Single throw 1⅝ inches. Moulded bakelite base and handle. Contacts and blades, brass nickel plated.

Single Throw—Double Throw

Stock No.	Poles	Each Net	Stock No.	Poles	Each Net
6380	1	$0.26	6384	1	$0.32
6381	2	.37	6385	2	.44
			6386	3	.63
6382	4	.74	6387	4	.81
6383	5	.97	6388	5	1.08

Miniature Switches

Compact, substantial. For base panel mounting. Bakelite base 1½" long. Nickel plated blades and posts.

3J6390—S.P.S.T. Each .. **9¢**

3J6391—S.P.D.T. Each, 15c

3J6392—D.P.D.T. Each, 24c

Yaxley Type "2700" Single Gang Combination Switches

Designed primarily for use on Dual Wave Receivers. Combinations from a single pole, single throw switch to a six pole, double throw switch are obtainable. **With knob but less escutcheon.**

3F6448—Code 2742. For use as a S.P.S.T., S.P.D.T., 2P.D.T., 3P.S.T., 3P.D.T., 4P.S.T., or a 4P.D.T. switch. Diameter 1½", depth ½", bushing ⅜", shaft length ¼", List Price, 75c. YOUR PRICE ..... **44¢**

3F6449—Code 2762. Provides combinations in above switch and also 5P.S.T., 5P.D.T., 6P.S.T., 6P.D.T. combinations. Diameter 2", depth ½", bushing ⅜", shaft length ⅜". List Price, $1.00. YOUR PRICE ..... **59¢**

Etched Plates

For Yaxley Tap Switches

Etched aluminum plates. Black finished with bright etched in numerals.

Stock Number	Markings	Stock Number	Markings
YF369	0-100	YF383	Off 1 to 3
YF315	1-15	YF384	Off 1 to 4
YF372	1 to 2	YF385	Off 1 to 5
YF373	1 to 3	YF386	Off 1 to 6
YF374	1 to 4	YF387	Off 1 to 7
YF375	1 to 5	YF388	Off 1 to 8
YF376	1 to 6	YF389	Off 1 to 9
YF377	1 to 7	YF390	Off 1 to 10
		YF391	Increase Volume
YF378	1 to 8		
YF379	1 to 9		
YF380	1 to 10		
YF381	1 to 11		
YF382	1 to 12		

List Price, 15c. Your Price, Each ..... **9¢**

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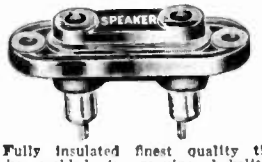
World Radio History

Servicemen's Supplies—Jacks—Plugs—Switches

Molded Bakelite Twin Tip Jacks



Fully insulated finest quality tip jacks molded in genuine bakelite. Phosphor bronze positive contact for any standard phone tips. Widely spaced solder lugs tinned and pierced. Overall length 2", width ¾". Mounting centers 1⅛". Will mount in cut out 1⅜"x½". Engraved "Speaker" or "Phone." Priced far below its actual value.

3D6356. Engraved "Speaker."
3D6357. Engraved "Phono."
YOUR PRICE
Each ..... **4¢**
TEN FOR 35c

Yaxley Push Button Switches

Same construction as Jack switches except that in place of turn knob an insulated push button is provided. Contacts made and broken by pressure on knob. No indicating plate included. Non-locking type returns to original position when pressure released. Locking type, is automatically locked in depressed position and must be pulled back to return to original position.

Single Pole-Single Throw
Makes Contact in Single Circuit.
3C6430—Code 2001. Non-locking.
3C6440—Code 2001L. Locking.
List price $0.90.
YOUR PRICE ..... **53¢**

Single Pole-Single Throw
Breaks Contact in Single Circuit.
3C6431—Code 2002. Non-locking.
3C6441—Code 2002L. Locking.
List Price $0.90.
YOUR PRICE ..... **53¢**

Single Pole-Double Throw
One circuit completed in up position. In depressed position, first circuit broken and one of contacts switched to second circuit.
3C6432—Code 2003. Non-locking.
3C6442—Code 2003L. Locking.
List Price $1.00.
YOUR PRICE ..... **59¢**

Double Pole-Single Throw; Open
Makes contact in two separate circuits when depressed. Both circuits open in "up" position.
3C6433—Code 2004. Non-locking.
3C6443—Code 2004L. Locking.
List Price $1.20.
YOUR PRICE ..... **70¢**

Double Pole-Single Throw; Closed
Breaks contact in two separate circuits when depressed. Both circuits closed in "up" position.
3C6434—Code 2005. Non-locking.
3C6444—Code 2005L. Locking.
List Price $1.20.
YOUR PRICE ..... **70¢**

Double Pole-Double Throw
Two separate circuits closed in "up" position. In depressed position, one contact from each circuit is connected to a second set of separate circuits.
3C6435—Code 2006. Non-locking.
3C6445—Code 2006L. Locking.
List Price $1.50.
YOUR PRICE ..... **88¢**

Double Pole-Double Throw
6 springs—makes and breaks both leads of two separate circuits. Connects in second circuit before breaking first circuit and vice versa.
3C6437—Code 2008. Non-locking.
3C6447—Code 2008L. Locking.
List Price $1.65.
YOUR PRICE ..... **97¢**

Three Circuit
Breaks one circuit into two circuits. 4 springs. When button is up, two center springs contact; when depressed, 2 center springs break and each makes contact with an outside spring completing two new circuits.
3C6436—Code 2007. Non-locking. (Also known as Code 2880.)
3C6446—Code 2007L. Locking.
List Price $1.30.
YOUR PRICE ..... **76¢**

New Yaxley Insulated Tip Jacks

Fine quality tip jacks with positive contact phosphor bronze spring. For any standard phone tip. Especially suitable for terminal strip and for making quick, easy connections to test equipment. Bakelite color coded caps.

Mounts in ¼ inch hole or will fit ⅝" hole if used with extruded mounting washer listed below. Solder lug terminal. New fresh stock.

3D6345—Green
3D6346—Red
3D6347—Black
3D6348—Brown
3F6349—Orange
3F6359—Yellow
3F6361—Blue
List. 15c Each.
YOUR PRICE **9c**
1-Red and 1-Black.
YOUR PRICE
2 For ..... **15¢**

Fibre Washers to insulate jacks when mounting on metal panel or chassis. Diameter ½ inch, extruded to fit ⅜ inch hole.
3D6461. Ten for **11c**

Short Jacks

Smallest made. Solder lugs widely spaced. Heavy bakelite insulators eliminate leakage. Mount in ⅜ inch hole on ⅛ to ⅝ inch panels. Take any standard plug.

3C6366—No. 1—Open Circuit. List. 25c. Net ..... **15¢**

3C6367—No. 2A—Single, Closed Circuit.
List. 30c YOUR PRICE ..... **18¢**

Infant Jack

A single circuit small jack. Receives all standard size plugs. Plated phosphor bronze spring will not loose tension. Tinned solder lugs. Heavy bakelite insulation prevents leakage.

3F6365—List, 25c.
YOUR PRICE ..... **15¢**

Frost Gem Jacks

Very compact. Extend 1 inch back of panel. Mount in single ⅜" hole on any panel not over ⅛" thick. Nickel plated. Solder lug connections. Two washers included.

3C6396—Code 953—Open circuit. EACH..... **17¢**
3C6397—Code 954—Closed circuit. EACH..... **17¢**
3C6398—Code 951—Double circuit. EACH..... **19¢**
3C6399—Code 955—Single circuit filament control.
EACH ..... **20¢**

C-H Pony Toggle Switch

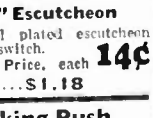
3 Amp. 250 Volt
6 Amp. 125 Volt
3F6333—
Your Special Price **25c**
10 for $2.25

A Cutler Hammer single pole, single throw switch. Housed in a compact bakelite case. Screw connections. Bakelite lever. Underwriters approved. Size 1¼" deep, ⅝" wide, 1⅛" high. Mounting bracket centers 1⅜". Especially desirable for installation on test bench or for use with any devise using a ⅛ h. p. motor or under.

"Off" "On" Escutcheon

A polished nickel plated escutcheon plate. For above switch.
3F6334—Your Price, each **14¢**
10 for.....$1.18

Non-Locking Push Button Switch



Contact is made when knob is pushed in and is broken when pressure is released.

3C6350 — No. 422-A. Two spring. Closes one contact. List, 50c.
YOUR PRICE ..... **29¢**

3C6351—No. 444-A. Four springs. Makes two contacts.
List, 70c.
YOUR PRICE ..... **41¢**

Standard Tip Jacks

Solid brass, nickel plated. Takes any phone tip. Positive connection. Not insulated from panel. Requires ¾" hole on panels of thickness up to ⅛". With nut and solder lug.

3J6370—
EACH ..... **3¢**
12 for 33c. Per Hundred $2.75

Fibre washers to insulate jacks when mounting on metal panel or chassis.
3D6461. Ten for **11c**

Yaxley Jack Switches

Small and compact. Mount in ⅜ inch hole on panels up to ⅛ inch thick. Insulated knob with indicating pin set screw. Lock nut, washer, etched indicating plate included. ¼ inch diam. shaft. Including lugs, they project 1¼ inches back of panel. 1⅝ inches wide. 1⅛ to 1⅜ inches high. Rugged steel frame. Nickel plated. Perfect insulation. Suitable for all apparatus in low wattage circuits.

Single Pole-Single Throw
3C6420—Code 720. 2 spring. "On" and "Off." Makes and breaks one circuit. List Price, 70c.
YOUR PRICE ..... **41¢**

Single Pole-Double Throw
3C6421—Code 730. 3 spring. Connects input circuit to either one of two output circuits.
List Price 85c.
YOUR PRICE ..... **50¢**

3C6422—Code 732. 3 spring. Same as Code 730, except has center neutral position. List, 90c.
YOUR PRICE ..... **50¢**

Double Pole-Single Throw
3C6423—Code 740. 4 spring. Makes and breaks two circuits.
List, 95c.
YOUR PRICE ..... **56¢**

Three Circuit
3C6424—Code 745. Five spring, two position contact. Two input circuits. Both connect to output in first position; in second position, circuit one is broken, circuit two is also broken but input spring is connected to fifth spring, closing third circuit.
List, $1.10.
YOUR PRICE ..... **65¢**

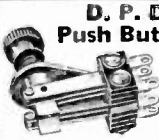
Double Pole-Double Throw
3C6425—Code 760. Six spring. Connects two input circuits to either of two pairs of outputs.
List, $1.20.
YOUR PRICE ..... **73¢**

3C6426—Code 762. Double pole, double throw. Same as Code 760, but with center neutral position.
List, $1.20.
YOUR PRICE ..... **71¢**

Triple Pole-Double Throw
3C6427—Code 763. With center neutral position. List, $1.55.
YOUR PRICE ..... **91¢**

Four Pole-Double Throw
3C6428—Code 764. With center neutral position.
List, $1.95.
YOUR PRICE **$1.15**

D. P. D. T. Push Button Switch



6-Springs. Fully insulated. Non-corrosive positive contacts. Uniformly tempered steel springs retain their tension permanently. Double Throw-double pole opens two circuits and closes two other circuits. Mounts in ⅜" hole. Terminal lugs widely spaced.

3C6354 Non-locking } Price
3C6355 Locking } Each **50¢**

S. P. S. T. Toggle Switch

A quality H & H switch with 8" stranded insulated leads. Standard ⅜" bushing is ⅝" long and fitted with a locking ring.

3E6344—
YOUR PRICE .. **10¢**
Ten for 75e

Rotating Type "Panel" Switch

Single Pole, Single Throw. Shaft takes knob. Threaded ⅜" diam. mounting sleeve ¼" long. Shaft extends ½" beyond sleeve. Locknut included.

3E6325—
YOUR PRICE ..... **15¢**
Ten for $1.35

Solder Cord Tips

Brass.
Nickel Plated
3C6371—
FIFTY FOR ..... **14¢**
Per hundred.....25c

Solderless Tip Plug

3C6368
YOUR PRICE, Each ..... **4¢**
Ten for 35c. Per hundred, $3.25
Attached to cord or wire without soldering or use of tools. Positive connection. Fit above jack or any standard tip jack or jack assembly made of brass nickel finish.

Twin Tip Jacks

Sure contact, nickel tip jacks mounted in bakelite strip, 2" long, ⅜" wide. Mounting holes 1⅛" centers.

Two Jack Assembly
3C6200—Plain (not marked).
3C6201—Marked "Phono."
3C6202—Marked "Speaker."
Each, 6c. Ten for.....55c

Three Jack Assembly
3C6203—Plain.
Each, 9c. Ten for 82c

Yaxley Junior Jacks

Same construction as jack switch except has hole for receiving any standard jack. Mount in ⅜" hole on panels not over ⅛" thick.

3C6405—Code 701. "Open Circuit." One insulated spring.
List Price 40c.
YOUR PRICE ..... **24¢**

3C6406—Code 702. "Closed Circuit." Two insulated springs.
List Price 55c.
YOUR PRICE ..... **32¢**

3C6407—Code 702A. Two insulated springs. Same as 3C6406 Code 702, except has solder lug on frame. For use on insulated panels.
List Price, 55c.
YOUR PRICE ..... **32¢**

3C6408—Code 703. "Two Circuit." Three insulated springs.
List Price 65c.
YOUR PRICE ..... **38¢**

3C6409—Code 703A. "Circuit Reversing." Three insulated springs.
List Price 65c.
YOUR PRICE ..... **39¢**

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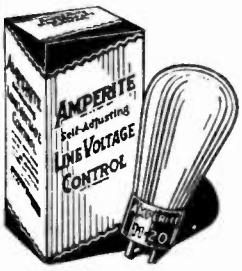
Amperite

Self Adjusting
Voltage Control Tubes
Eliminate Voltage Bumps



Designed to deliver constant voltage to the receiver from the power line although the line voltage may vary from 110 to 140 volts. Eliminate the possibility of power-pack breakdown and tube burnouts due to excessive line voltage. Easily installed. It is necessary to cut only one lead of the current supply line and connect the Amperite in series.

Standard Amperite Controls

We can supply all types of Amperites. When ordering replacements for receivers already equipped with the Amperite Tube and not included in our listing specify type number of old tube. For sets on which provision has not been made for using the Amperite tube the correct type can be selected from our listing.

For 110 Volt A.C. Receivers

Stock Number	Number of Tubes	Use Amperite	List Price, Each, $3.00
3F2400	4-5	5A5	YOUR PRICE EACH
3F2402	6-7	7A5	
3F2404	8-9-10	9A5	
3F2406	11-12	11A5	**$1.25**

Special Replacement Amperites

For 105-120 Volt A.C. Receivers

Stock Num.	Use Amperite	Set Name and Model Number
3F2409	9-20	Brunswick 14, 21, 31
3F2409	9-20	Bremer-Tully S81, S82
3J2428	5-16	General Electric B-86
3F2401	10-10	Hammarlund-Roberts Hi-Q 31
3F2410	11-20	Hammarlund-Roberts Hi-Q 30
3F2410	11-20	Kylectron K71, K72
3F2411	90	Majestic 90, 91, 92
3F2403	70	Majestic 70, 71, 72
3F2410	11-20	Peerless 21 to 25
3J2428	5-16	R.C.A. R-223
3F2405	12-20	Scott A.C. 10
3F2419	18-10	Star Raider
3F2413	10-V-10	Victor R32, 52
3F2418	9-V-10	Victor R35, 39
3F2428	5-16	Victor (32V. Set)
3J2407	14-10	Zenith 103

List Price, Each, $3.00
YOUR PRICE, EACH **$1.25**

876—For Replacing Type 876 Ballast (Screw Base) Tubes.
3F2301—Amperite,
YOUR PRICE, EACH **$2.50**

For Battery Operated Receivers

For sets operated from 2 volt Air Cell Batteries, 2 volt Storage Batteries or 3 volt "A" Packs.

Name	Model Number	Amperite Number	Stock Num.
Silvertone	326, 242, 65	30(1A2)*	3J2712
	1576, 1712, 1713, 1714	31(1B2)*	3J2713
	223X, 224X		
	266, 267	31(1B2)*	3J2713
	1710, 1711	52(1C2)*	3J2714
	331	1B1	3J2700
	334, 324	1E1	3J2701
	359	1F1	3J2702
	345	1G1	3J2703
Air Line	91	10AB	3J2718
	77, 95	6AA	3J2717
Bosch	042	5E1(1A1)*	3J2715
Erla	660	5E1(1A1)*	3J2715
	7700	6-1(1J1)*	3J2716
Philco	34-A	7H1(1C1)*	3J2710
Sentinel	7700	6-1(1J1)*	3J2716
Sp'rks With'gton	81, 82	5E1(1A1)*	3J2715
	S1, 82	2H1(1D1)*	3J2711

*New RMA numbers
List Price, $1.60.
YOUR PRICE ..... **94¢**

For A.C., D.C. Receivers

Stock Number	Original Number	Amperite Number	
3J2722	300	3-40	List Price, $1.25 YOUR PRICE
3J2722	50x3	3-40	
3J2722	5B	3-40	
3J2722	3-40	3-40	
3J2721	46A1	46A1	**73¢**
3J2720	46B1	46B1	

Amperite Mounting Socket

3J2414—Single wood screw thru center for mounting on base or side of cabinet.
List Price, 25c.
YOUR PRICE ..... **15¢**

Duresite

Voltage
Regulator Tubes

Original equipment on many standard makes of radio receivers. The Duresite Tube keeps the voltage from the power supply line constant. More uniform reception, elimination of all crackling noises caused by overloaded resistors and condensers is accomplished. Prevents burning out of paper and electrolytic condensers and damaging of tubes.
List Each, $3.00.
YOUR PRICE **$1.65**

Note: We can supply Duresite Tubes for all sets. For sets not listed below, when ordering give name, model number, types and line-up of tubes.

Set and Model Number	Stock Num.	Duresite Tube Number
Brunswick		
14, 21, 31, 60 Cycle	3F2724	98 or 105
S-14, S-21, S-31, 60 Cycle	3F2725	110
Bremer Tully		
81, 82, 60 Cycle	3F2724	98 or 105
83, 84, 60 Cycle	3F2725	110
Bush and Lane		
1931—60 Cycle, Long Wave	3F2726	415
Grebe		
21950, 270C, 285, 450	3F2725	110
Hammarlund—HIQ 30	3F2725	110
Sonora		
A-30, 32, 40, 60 Cycle	3F2728	125
A-36, 44, 60 Cycle	3F2729	150

Additional Duresite Tubes

Duresite Num.	Stock Num.	Duresite Num.	Stock Num.	Duresite Num.	Stock Num.
106	3J2724	126	3J2730	314	3J2733
125	3J2728	130	3J2731	315	3J2734
118	3J2726	313	3J2732	415	3J2726

Line Voltage Reducer

Reduces Excessive Line Voltages
3F2433—List, $1.00.
YOUR PRICE ..... **30¢**
Ten for $2.94

Maintains a constant potential on lines on which voltage climbs. Protects tubes, condensers and resistors against line surges by automatically reducing line voltage to a normal operating voltage.

TOBE Power Line Filter for AC or DC Current

A capacity type line filter. Effectively eliminates line noises. Plugs into electrical outlet and has a receptacle for receiver plug. No ground connection is required. For 110 volt A.C. or D.C. lines.
3F8506—List Price, $1.00.
YOUR PRICE ..... **59¢**

Conversion Plug

For Converting Receivers Using Ballast Tubes to Air-Cell Operation

Fits in place of the ballast tube on receivers listed below and permits their operation with an Eveready Air Cell "A" battery. Remove ballast tube and insert the plug-in resistor. The correct "Conversion Plug" must be used because the total resistance of the "A" circuit must be correct to obtain full life and efficiency from the Air Cell battery and prevent tube burn outs.
List Price, $1.00.
YOUR PRICE..... **44c**

Set Name	Model Number	Stock Number
Airline (Mont.-Ward)	62-01	3F2481
	77, 95	3F2482
Colonial	659	3F2483
Philco	38, 38A (Using 1C6 Translator Tube)	3F2484
	38, 38A (Using type 15 Translator Tube)	3F2485
	34, 34A, 39, 39A	3F2485
Silvertone	1712, 1713, 1714, 1854, 1857	3F2486
	1710, 1711, 1711A, 7090, 1852, 1853	3F2491
	1850, 1851	3F2483
Sentinel	660, 6200, 6234, 6241	3F2482
	7700, 7732, 7741	3F2484

Clarostat

Replacement
Line Ballasts

Compensates line changes for Sets designed for use with Ballast. Will maintain the normal voltage across the primary of the power transformer within allowable limits for efficient operation, regardless of line fluctuation between 95 and 135 volts. **WE CAN ALSO SUPPLY REPLACEMENT BALLASTS FOR SETS NOT LISTED BELOW.** Send your order giving make, model and number of tubes in Set.
List Price Each, $2.50.
YOUR PRICE **$1.18**

Num.	Type	Set Make and Model Number
3F3110	2518	Belmont
3F3103	2169	Bremer Tully
3F3104	2179	Brunswick
3F3117	2408	Clarion 51, 53, 55
3F3115	5400	Erla
3F3109	6310	Grebe SK-4 105 Volts
3F3118	6420	Grebe SK-4 138 Volts
3F3119	6412	Grebe SK-4 115 Volts
3F3120	0600	Grebe HS-5 125 Volts
3F3121	0500	Grebe M-3-4 115 Volts
3F3121	0500	Grebe HS-12 115 Volts
3F3121	0500	Grebe HS-6 115 Volts
3F3122	0710	Grebe HS-4 125 Volts
3F3123	0608	Grebe MI-2 115 Volts
3F3123	0608	Grebe HS-8 Single Pent
3F3116	4210	HFL Mastertone
3F3125	2178	Hi Q-30 Hammarlund Roberts
3F3117	2408	Hi Q-31 Hammarlund Roberts
3F3119	6412	Kennedy 426, 526, 626, 726, 826, 632, 1030
3F3105	1516	**Majestic** 70, 71
3F3106	1508	**Majestic** 70B, 72
3F3107	1012	**Majestic** 180, 181
3F3108	1210	**Majestic** 90, 91, 92, 100
3F3109	6310	United Reproducer
3F3111	2516	Simplex, Baldwin
3F3104	2179	Sonora A30, A32, A40
3F3116	4210	Sonora A36, A44, 46
3F3112	5001	**Stewart-Warner** 900-61816
3F3113	5002	**Stewart-Warner** 950-62152
3F3114	5003	**Stewart-Warner** R100-66756

Clarostat A.C. Line Voltage Regulator

For sets with critical line voltage requirements where a dependable regulator must be employed. Resistor increases in resistance value as line voltage raises, thus automatically maintaining a steady potential on the receiver with which it is used.

Stock Num.	Type	Watts of Set	List Ea. $1.75 YOUR PRICE
3F3102	O	Up to 60	**49¢**
3F3100	A	60 to 100	
3F3101	B	100 to 150	

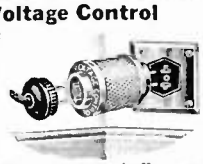
(Ten for.....$4.75)

WIRT Voltage Regulator

Provides five resistance values which are controlled by rotating the fibre ring at the end. Protects tubes, condensers, and reduces noises and hums. Nickle plated metal case. Fits standard outlet. For use on Sets having six or less tubes.
3F2430—List, $2.45.
YOUR SPECIAL PRICE ..... **59¢**

Automatic Voltage Control

For Reducing Line Voltages



3F2267—List, $1.75.
YOUR PRICE ..... **55¢**
Ten for $4.95

Protects tubes, resistors, and condensers by preventing excessive line voltage. Automatically compensates for line surges by increasing in resistance as voltage rises. Air-cooled type. Fits any standard socket or outlet, and supplies 110 volts A.C. or D.C. on any line up to 130 volts.

TOBE Filterette Junior

3J8507—List, $2.25.
YOUR PRICE **$1.32**

A compact unit, easy to install, for eliminating interference caused by household appliances, such as electric fans, heating pads, vacuum cleaners, light switches, etc. Has standard plug-in prongs and receptacle for connection between electrical outlet and receiver. Operates on 110-120 volts A.C. or D.C.

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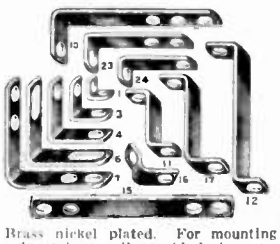
World Radio History

Indispensable Hardware for Servicemen

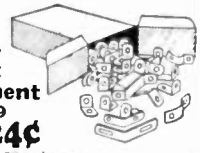
Angle Brackets



Brass nickel plated. For mounting panels, tubes, coils, grid leaks, etc. Width $\frac{3}{8}$ inches.

Stock Number	Code Num.	Size Inches	Ten For
3C4810	1	½x ½	9c
3J4811	3	⅝x ⅝	15c
3C4812	4	¾x ¾	19c
3J4813	6	1⅛x1⅛	25c
3C4814	7	1½x1½	35c
3J4815	10	½x2½	35c
3J4816	11	⅜ high	10c
3C4817	12	2 high	39c
3C4818	15	3 long	29c
3C4819	16	⅜x ⅞	16c
3C4820	17	1 high	25c
3C4821	23	½x1½	29c
3C4822	24	½x ⅞	15c

Service Angle—Bracket Assortment



3D4829
YOUR PRICE **24¢**

Contains 28 pieces of brass, nickel plated angles and brackets in a variety of sizes most suited for service work. Consists of six ½"x½" angles, four ¾"x¾" angles, two 1"x1" angles, two 1⅛"x1⅛" oval hole angles, six grid leak brackets, four ⅞"x½" brackets, two 1"x½" brackets and two ⅝" Z type brackets.

Fibre Washer Assortment

3D4830
YOUR PRICE **24¢**

100 piece assortment of fibre washers and grommets. A complete range of sizes. Plain and shoulder types to fit number 4-6-8-10 screws and ¼", ⅜" and ½" holes.

Push Button Switch

3D6358. Open Circuit.
YOUR PRICE EACH ..... **27¢**
Ten for $2.50

Fine quality. Pearl center with polished nickel rim. Fits ⅝" hole. Screw connectors eliminate soldering. Suitable for circuits up to 250 volts, 2 amps. Phosphor bronze contact.

3D6360. Same as above but for mounting in a ¾" diam. hole. List Price 75c.
YOUR SPECIAL PRICE.... **20¢**

G. E. Rotary A. C. Switch

"ON" and "OFF" switch. 8" Insulated leads. Rating 3 amps., 125 volts. ½" long milled flat shaft. Underwriters approved.

3J6339—
YOUR PRICE, EACH..... **9¢**
Ten for 80c

Snap on Knob

Special knob for above switch. Black polished bakelite. Attractively designed. Diameter 1⅜". Push-on type.

3F6340—
YOUR PRICE, EACH **5c**
Ten for 35c

Metal Tapping Screws Gimlet Point—Round Head

Self-tapping steel screws that cut their own thread in metal of any gauge and drive home as securely as a machine screw in a machined thread. Just drill a hole and drive in the screw—no nut or tapping required. Ideal for replacing rivets, set screws in stripped castings, repairing sprung spot welds or any type of construction.

Size No. 6 Stock Number	Price Per Gross	Length Inches	Size No. 7 Stock Number	Price Per Gross
3D8175	30c	¼	3D8185	32c
3D8176	32c	⅜	3D8186	34c
3D8177	35c	½	3D8187	36c
3D8178	37c	⅝	3D8188	38c
3D8179	40c	¾	3D8189	41c
Size No. 8			**Size No. 10**	
3D8180	34c	⅜	3D8190	40c
3D8181	36c	½	3D8191	42c
3D8182	38c	⅝	3D8192	45c
3D8183	40c	¾	3D8193	50c
3D8184	42c	1	3D8194	55c

Self-Tapping Screw Assortment

Most popular sizes used by set manufacturers. Can be used for replacement on Atwater-Kent, Bosch, Crosley, Fada, Majestic, Philco, etc. Ideal for general work. Does not require a nut. Consists of 24 screws of assorted sizes.

3D8195—List Price, 50c
YOUR PRICE ..... **29¢**

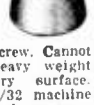
Rubber Grommets

For insulating holes in metal plates on chassis, transformers and other Radio and electrical parts. Tough strong vulcanized black rubber. All for metal about $\frac{1}{16}$" thick.

Stock Num.	Fit Hole	Inside Diam.	Per Doz.	Per Hun.
3J4805	¼"	⅛"	9c	52c
3D4806	⅜"	¼"	15c	59c
3D4807	⅜"	⅜"	17c	64c
3D4808	½"	⅜"	19c	69c
3D4809	½"	¾"	21c	74c

3D4828—Assortment of 60 Rubber Grommets. 12 each of above size.
YOUR PRICE ..... **47¢**

Rubber "Feet —Bumpers"



For use on bottom of cabinets, amplifiers, speakers, etc. Have recessed cavity for head of screw. Cannot scratch. Will support heavy weight without marring ordinary surface. For use with 6/32 or 8/32 machine screw and sizes 6 or 8 wood screws.

3D4792. ⅝" diam., ⅜" high.
3D4793. ¾" diam., ½" high.
Per Dozen ..... **19¢**
Per Hundred ..95c

Machine Screw Washer and Nut Assortment

Contains assortment of 100 6/32 Round head machine screws from ¼" to ½" long. 100 sets of nuts and washers included. A very handy assortment for it contains the most necessary sizes of machine screws—furnished in the proportions most commonly used.

3D4837.
YOUR PRICE ..... **27¢**

Ornamental Head Screws

For fastening Speakers to Grilles, etc.

Attractively embossed. Wide flat head, ⅝ inch diameter. Will not pull through wood. 6/32 screws. Antique or Statuary Bronze finish.

Stock Number	Length Screw	Per Dozen	Per Hundred
3D4794	⅜"	8c	47c
3D4795	½"	9c	61c
3D4796	1¼"	10c	75c

PUNCHES For Socket and Condenser Mounting Holes

3F4615—For 1⅜" holes.
3F4616—For 1⅛" holes.
3F4617—For ⅞" holes.
3F4618—For ¾" holes.
List Price, Each, $3.00.
YOUR PRICE, EACH **$1.69**
Set of Four, $6.50

3J4614—Special Multiposition Socket Punch. Cuts a 1⅝" keyed hole. Small projection left on hole circle prevents turning of socket.
YOUR PRICE **$3.45**

Stamp round holes in sheet metal (chassis, etc.). Easily used in locations not possible to drill and are much more practical and faster. Make clean cut, round holes with blow of hammer in 16 gauge and even heavier steel. Simply drill ⅜" guide hole in metal stock to be punched. Insert guide pin in hole, place die below metal and punch above. Hold punch firmly and drive through stock. For active servicemen, small manufacturers, engineers and laboratories a complete set of these dies will quickly save their cost. Tools are made of hardened steel, burnished and oiled. **With reasonable care each tool will punch over a thousand holes in any ordinary metal stock.** These tools open up a new field for Servicemen and engineers in designing and constructing custom built Radio Receivers, amplifiers, test instruments and other devices.

Spade Lug

For Anchoring Shield Cans to Chassis, etc. "Eyelets"

Steel Cadmium plated. Flat end with size 6 hole for rivet or screw; threaded end size 6/32. Illustration is actual size.

3J6592
TEN FOR ..... **5¢**
PER GROSS 42c
PER 1000 ..... $2.45

Tubular Rivets

"Eyelets"

Rivets for replacement and repair are a necessity for every serviceman. How often have you hesitated to drill out a rivet for a necessary repair because you were unable to replace it in a workmanlike manner. You can now replace rivets and make a clean professional job of it by using the special clinching tool listed below. These are the most popular sizes. Body diameter $\frac{3}{16}$".

3D6565—⅜" long.
3D6566—¼" long.
Ten for ..... **9¢**
Per Gross 45c
Per 1000 ..... $2.25

Rivet Clinching Tool

For Tubular Rivets

Every serviceman needs this handy tool for "driving home" tubular rivets. Tool is 4¾" long—⅛" diameter, tapered at one end. Has special machined face which centers on rivet and when driven with hammer will turn the rivet body back against the material and clinches as securely as a power driven rivet. For ⅛" and $\frac{3}{16}$" body diameter tubular rivets.

3D4710.
YOUR PRICE, Each **59¢**

Switch Levers

3C6595
With black knob.
EACH ..... **10¢**

Tapered polished knob. Nickeled metal parts. Lever adjustable from 1¼ to 1½ inch radius.

Nickel Plated Cap Screws

For Contact Points

Highly polished hexagonal head ⅜" across and ⅛" thick. Screw is ¾" long with standard $\frac{3}{32}$ thread.

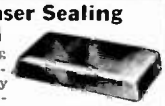
3E6571—
Package of 100 ..... **16c**

Escutcheon Plate Screws

For attaching escutcheon plates to cabinets. Will fit with practically no exception every style of escutcheon plate. Length ¼ inch.

3D6570. No. 1 Round Head Brass Wood Screws.
Per Gross ..... **29¢**

Condenser Sealing Compound



For "sealing in" paper insulated ordry electrolytic condensers on repair or special work. The proper compound chemically same as used by leading condenser manufacturers. Low melting point. Cools hard. Positively excludes moisture. Put up in a convenient size 1-lb. cake size 1½x8½.

3D4838—Per Package .... **16¢**
5 for 75c

Transformer Sealing Compound

Good thermo conductivity. Has the quality of displacing developed heat in transformers. Put up in a convenient size 2-lb. cake size 1½x8¼".

3D4839.
Per Package ..... **24¢**
5 for $1.05

Shaft Couplings, Reducers, Extenders

Brass and Fibre Shafting

Machined brass fittings for coupling shafts of uniform or dissimilar diameter; for extending rheostat, volume control or switch shafts. Extension fittings are furnished to expand or reduce shaft diameter. Shafting is available in brass or fibre.

Supplied In Either Brass or Bakelite. Specify Brass or Bakelite on your order.

Stock Number	Style	Length	Description	Your Price
3D7290	A	¼" Long	¼" Hole I.D. ⅜" O.D. Dial Bushing	5c
3D7291	B	¼" Long	¼" Hole I.D. ½" O.D. Coupling	9c
3D7292	C	¼" Long	¼" Hole I.D. ⅝" O.D. Coupling	9c
3D7293	D	¼" Long	¼-¼" Hole I.D. ⅝" O.D. Coupling	9c
3D7294	E	1-¼" Long	¼" Hole I.D. ½" O.D. Extender	9c
3D7295	F	1-¼" Long	¼" Hole I.D. ½" O.D. Reducer	9c
3D7296	G	1-¼" Long	¼" Hole I.D. ⅜" O.D. Reducer	9c
3D7297	H	6" Long	¼" Diameter Brass Shafting	10c
3D7298	H	12" Long	¼" Diameter Brass Shafting	17c
3D7299	I	6" Long	¼" Diameter Fibre Shafting	17c
3D7300	I	12" Long	¼" Diameter Fibre Shafting	24c

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Screws-Nuts

Round Head Machine Screws

Brass—Nickel Plated

Size 6-32

Stock Number	Length Inches	Price Gross
3C6500	¼	$0.30
3J6501	⅜	.38
3J6502	½	.50
3J6503	¾	.55
3C6504	1	.76
3C6505	2	1.05

3D6485 assortment equal quantities of each above lengths.

PER GROSS 69c

Steel—Cadmium Plated

Size 4-36

Stock Number	Length Inches	Price Gross
3C6525	¼	.19
3C6526	⅜	.21
3C6527	½	.21
3C6528	⅝	.24
3C6529	1	.27

3D6486 assortment equal quantities of each above lengths.

PER GROSS 24c

Size 6-32

Stock Number	Length Inches	Price Gross
3C6530	⅛	.15
3C6531	¼	.16
3C6532	⅜	.17
3C6533	½	.18
3C6534	⅝	.19
3C6535	¾	.20
3C6536	⅞	.22
3C6537	1	.24
3C6538	1¼	.31
3C6539	1½	.35
3C6540	1¾	.42
3C6541	2	.45

3D6487 assortment equal quantities of each above lengths.

PER GROSS 36c

Size 8-32

Stock Number	Length Inches	Price Gross
3C6542	¼	.25
3C6543	½	.28
3C6544	⅞	.33
3C6545	1	.35
3D6492	1⅛	.39
3D6493	1½	.41
3C6522	2	.52
3C6523	3	.63
3C6524	4	1.35

3D6488 assortment equal quantities of each above lengths.

PER GROSS 69c

Size 10-32

Stock Number	Length Inches	Price Gross
3C6546	¼	.30
3C6547	1¼	.45

Flat-Head Machine Screws

Brass—Nickel Plated

Size 6-32

Stock Number	Length Inches	Price Gross
3C6506	¼	$0.30
3C6507	⅜	.42
3C6508	¾	.55
3C6509	1	.63
3C6510	1½	.76
3C6511	2	1.05

3D6489 assortment equal quantities of each of above lengths.

PER GROSS 69c

Steel—Cadmium Plated

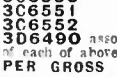
Size 6-32

Stock Number	Length Inches	Price Gross
3C6548	⅛	.15
3C6549	¼	.18
3C6550	½	.20
3C6551	¾	.22
3C6552	1	.25

3D6490 assortment equal quantities of each of above lengths.

PER GROSS 22c

Round Head Wood Screws



Brass, Nickel Plated

Proper thickness for radio work.

Stock Number	Length Inches	Size Diam.	Price Gross
3C6512	⅜	5	24c
3C6513	½	5	27c
3C6514	¾	6	36c
3C6515	1	6	45c

3D6491 assortment equal quantities of each of above lengths.

PER GROSS 42c

JUMBO BOX 900 PIECES RADIO HARDWARE ASSORTMENT

Handy Hardware Assortment. 900 assorted nuts, screws, bolts, washers, eyelets, lockwashers and grommets.

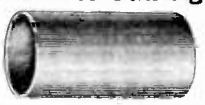
3D6584

YOUR PRICE

95c

A real Bargain! Purchased separately, this assortment would cost over $2.50. Contains all these type items the busiest serviceman would ordinarily use. Included are approximately: 125 assorted 6/32 machine screws ¼" to 2" length; 100 6/32 nuts; 100 assorted 8/32 machine screws ¼" to 2" length; 75, 8/32 nuts; 100 assorted wood screws, escutcheon screws, set screws, etc.; 150 assorted rivets and eyelets; 100 assorted fiber washers, and rubber grommets; 150 assorted brass washers, lock washers, solder lugs, eyelet lugs. Packed in neat box with removable compartments for each assortment.

Bakelite Tubing



Genuine bakelite or micarta tubing. Smooth polished surface. Natural finish. All tubing listed has ⅛" wall which makes the inside diameter ¼" less than the outside diameter.

Length 3 Inches

Stock Number	Outside Diam.	Price Each	Ten For
3J7435	1 "	9c	$0.80
3J7436	1¼"	12c	1.05
3J7437	2 "	14c	1.30
3J7438	2½"	16c	1.45
3C7439	3 "	19c	1.80

Cut to Length

Any length may be specified. Minimum charge is price quoted per foot.

Stock Number	Outside Diam.	Price Foot	Four Feet for
3J7444	1 "	34c	$1.30
3C7445	1¼"	40c	1.50
3C7446	1½"	45c	1.70
3C7447	1¾"	50c	1.90
3C7448	2 "	55c	2.10
3C7449	2¼"	60c	2.30
3J7450	2½"	63c	2.50
3C7451	2¾"	70c	2.65
3J7452	3 "	74c	2.80
3C7453	3½"	80c	2.95
3C7454	4 "	85c	3.25
3J7455	5 "	$1.16	
3J7456	6 "	1.37	

Hollow Bakelite Rods

Genuine Bakelite. Concentric hole. Supplied in 18 inch lengths. Longer lengths supplied at proportionate prices.

Stock Number	Overall Diam.	Center Hole	Thickness Wall	Length Each
3C7465	⅜"	⅛"	1/16"	49c
3C7466	½"	⅛"	⅛"	59c
3C7467	½"	⅛"	1/16"	49c
3C7468	⅝"	⅛"	⅛"	59c
3C7469	⅝"	¼"	1/16"	49c
3C7470	½"	¼"	⅛"	59c

Other sizes supplied to order at proportionate prices. $1.50 Minimum Order for lengths other than listed.

Solid Bakelite Rods

Solid bakelite rods. Polished black finish. Supplied in 18 inch lengths. Longer lengths supplied at proportionate prices. $1.50 Minimum Order for lengths other than listed.

Stock Number	Diam. Inches	Price Each	Ten For
3C7457	⅛	50c	$4.25
3C7458	1/16	50c	4.25
3C7459	¼	50c	4.25
3C7460	5/16	55c	4.75
3C7461	⅜	65c	6.00
3C7462	7/16	75c	6.90
3C7463	½	90c	8.10

Combination Rivet —Solder Lug

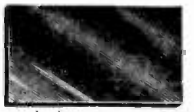
Rivet fits ⅜" hole. Illustration exact size. Plated with solder coating.

3C6585

PER HUNDRED.. **29¢**

Per Thousand $1.95

Bakelite Panels



We supply best grade bakelite panels. Machine well without chipping. Black finish.

⅛" Thick No.	Each	Size In.	⅛" Thick No.	Each
3C7420	$0.59	7x10	3J7424	$0.95
3C7421	.75	7x12	3C7425	1.15
3C7422	.89	7x14	3J7426	1.30
3C7423	1.15	7x18	3J7427	1.60
Supplied only in 3/16 in. size.		7x21	3J7428	1.82
		7x24	3C7429	2.10
		7x26	3C7430	2.30
		7x28	3C7431	2.55
		7x30		2.57
		7x36	3C7433	3.20

Special Size Panels

We can supply bakelite panels in any size or thickness, either black or walnut finish. Remit full value of panel with order. Cannot be exchanged.

603C7417—⅛ inch thick.
Per sq. inch. Net..... 1½c

603C7418—¼ inch thick.
Per sq. inch. Net..... 1¾c

603C7419—½ inch thick.
Per sq. inch. Net..... 2½c

NOTE: Minimum charge $1.50 per order.

Hard Rubber Panels

Made of special compound having a rubber base. Can be drilled or cut without chipping. Will not warp. A perfect insulator for radio use. Smooth, clean edges. Thickness ⅛ inch. Average shipping weight, 3 pounds. Polished black finish.

Stock Number	Size Inches	Your Price
3J7400	7x10	$0.64
3J7401	7x12	.76
3J7402	7x14	.93
3J7403	7x18	1.14
3J7404	7x21	1.36
3J7405	7x24	1.54
3J7406	7x26	1.69
3J7407	7x30	1.95

Lugs-Washers

Hexagon Nuts

Made of brass, nickel plated. Chamfered and countersunk for quick assembly work. Size 6/32.

3C6520—Per hundred 22c

Steel—Cadmium Plated

Stock Number	Size	Price Hundred
3C6555	4/32	18c
3C6556	6/32	19c
3C6557	8/32	20c
3C6558	10/32	35c

Flat Washers

Made of brass, nickel plated. Fit size 6 screws.

3C6521—Per hundred 21c

Steel—Cadmium Plated

Stock Number	Size	Price Hundred
3C6560	4	18c
3C6561	6	19c
3C6562	8	20c
3C6563	10	28c

Locking Lugs and Washers

Insure permanent tight connections. When nut is tightened down they will not loosen regardless of vibration or shaking. Tinned.

3C6588—⅞" lug with #6 hole.
3C6589—⅞" lug with #8 hole.
3C6590—⅜" washer with #6 hole.
3C6591—⅜" washer with #8 hole.

Per Hundred 25c.

PER THOUSAND **$1.75**

Flat Lugs

3C6586

PER 100 ..... **18¢**

Per Thousand $1.55

Flat lug with two holes. Illustration is actual size. Best tinned lug on the market; makes soldering easy. Punched from sheet brass—evenly hot tinned, no bare spots. Vastly superior to electro plated or flashed lugs quoted at competitive prices.

Similar to above, but smaller. Very handy for small connections.

3C6587

PER 100 ..... **18¢**

Per Thousand $1.45

Shield Grid Clips—Lugs

Slips over grid terminal on top of shield grid tubes. Lug type solders, and clip type clips to grid. Made of spring steel to insure close contact with terminal. White metal coated to prevent rust.

3C2247—Clip type.
Ten for 12c

3C2248—Lug type.
Ten for 10c

3C2249—Loop type.
Per 100 ..... 59c
Ten for 10c

New All Metal Tube Grid Clips are listed on page number 20.

Insulating Washers

For insulating equipment mounted on flat metal panels or chassis.

Flat Washers

Stock Number	Outside Diameter	Hole Diameter	Thickness
3J6452	1⅞"	3/8"	1/16"
3C6450	1½"	⅛"	1/16"
3C6451	1⅛"	3/16"	1/16"
3C6453	1 "	3/16"	1/16"
3C6454	1⅛"	¼"	1/16"
3C6455	⅞"	3/16"	1/16"
3C6456	½"	¼"	1/16"

Ten for **8¢**

Per Hundred **65¢**

Extruded Washers

Shoulders fit into panel holes, insulating shaft, etc., in passing through panel.

Stock Number	Outside Diam.	Hole Diam.	Shoulder Diam.	Washer Thick	Shoulder Raise
3C6458	1 "	3/16"	½"	1/16"	1/16"
3C6459	¾"	3/16"	½"	1/16"	1/16"
3C6460	½"	3/16"	3/8"	1/16"	1/16"
3C6461	¼"	¼"	3/8"	1/16"	1/16"
3C6462	7/16"	1/8"	3/8"	1/16"	1/16"

Ten for **12¢**

Per Hundred **95¢**

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World Radio History

Coil Shield with Base

Shield is 2⅞" inside diameter x1½" overall height. Grid lead hole in wall near top. Bases have oblong mounting holes to fit either 1⅛" or 1⅜" socket centers. Shield and base bright natural finish of 24 gauge aluminum.

3C6958—Coil Shield —Code 0781—Basecode 0720.
PER SET ..... **10¢**
TEN FOR 85c
PER HUNDRED $7.95

Aluminum Coil Shields

2¼" outside diameter x2⅞" overall height. Heavy 22 gauge metal insures perfect grounding and eliminates interstage interference. Holes punched for standard spade bolt mounting lugs. Lugs not included. Bright natural finish.

3C6959 — Coil Shield —Code 0319.
PRICE EACH ..... **10¢**
TEN FOR 79c
Per Hundred ... $6.50

3C6960—Same as above except 4" high for longer coils. Coil Shield—Code 0318.
PRICE EACH ..... **12¢**
TEN FOR 98c
PER HUNDRED $8.50

Aluminum Coil Shields

2⅛" inside diameter and 3" overall height. Holes for spade bolt mounting lugs. Bright finish. **3D7000**
Your Price
Each .. **8¢**
Ten for 45c

1¾" inside diameter and 2¼" overall height. 22 gauge mounting holes in side. Bright finish.

3D7001—YOUR PRICE EACH ..... **6¢**
Ten for 35c

Coil Shield with Bayonet Lock Base

Base locks to can forming connection that will never vibrate nor come apart. Can is 2½" diam., and 2¾" overall height, with base. No holes in can but base perforated on bottom and side for leads. Bright natural finish, 22 gauge aluminum.

3C6961—Coil Shield —Code 0579—0580.
PRICE EACH ..... **10¢**
TEN FOR 85c
PER HUNDRED $7.90

One-Piece Shields with Base

For 82 Tubes

Ventilating holes in top and base. Height 4⅛". Diam. 2¼". Base mounting holes for 1⅛" and 1⅜" sockets.

3C6955 — Tube Shield —Code 01132.
EACH ..... **11¢**
TEN FOR 95c
PER HUNDRED $7.58

Carter Speaker Plugs

Made of steel. Cadmium plated. Fibre top is held by spring ring, with hole in center for wire leads. Supplied only in 4 and 5 prong.

3E6150—4 prong.
3E6151—5 prong.
YOUR PRICE, EACH ..... **5¢**

New Close Fitting Ventilated Tube Shields

For 55, 57, 58, 6A7, 6C6 and all other Small Diameter Dome Shaped Tubes

Ventilated shell has three formed ribs which press against the side of the tube to hold it rigidly—dampens vibration and microphonic disturbances. Natural finish aluminum metal. A wide range of base mounting sizes. Cap height 1½" slotted for grid lead. Shell diameter 1⅝", height of body 3", chimney extension ⅝". Overall height assembled 4¹³⁄₁₆".

Aluminum Stock Number	Base Mounting Centers	Price Each **12¢**
3F7110	1⅛"	Ten for 95c
3F7111	1¹³⁄₁₆"	Hund'd $7.75
3F7112	1⅜"	

Standard Type Ventilated Tube Shields

For 55, 57, 58 Tubes

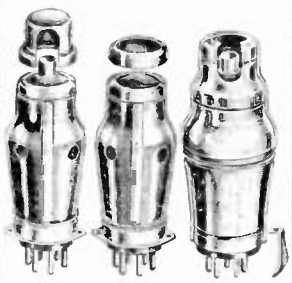
Improved Non-Rattle Type

Ventilated shell has three formed ribs which press against the side of the tube to hold it rigidly—dampens vibration and microphonic disturbances. A wide range of base mounting sizes. Cap height 1¾" Shell diameter 1⅝", height 3⅛". Overall height assembled 4¾".

Aluminum Stock Number	Base Mounting Centers	Radio Metal Stock Num.
3F6950	1⅛"	3F6967
3F6951	1¹³⁄₁₆"	3F6968
3F6952	1⅜"	3F6969

Price Each **10c** | Price Each **8c**
Ten for $0.80 | Ten for..65c
Hundred 6.70 | Hund. $5.75

Form-Fitting Tube Shields



Types A and B | Type C | Type D

For use where space is limited or to replace spray-shield type tubes. Provides magnetic as well as electrostatic shielding. Made for all sizes of dome type glass bulb tubes. Two parts of shield fit snugly around the tube and are firmly held in place by the shield cap and base or a clamp ring. Clamp ring and grounding clip furnished with shields for the large size bulbs. A small slot in chimney admits grid lead. Slotted mounting holes in bases of types A, B and C shields cover all socket mounting holes.

Type A **3F7107**—For dome type 1A6, 1C6, 2A6, 2A7, 2B7, 6A7, 6B7, 6F7, 36, 39-44, 58, 55, 75, 77, 78, 79, 85 and 89 type tubes.

Type B **3F7109**—For dome type 6C6, 6D6, 57 and 58 type tubes.

Type C **3F7113**—For dome tubes such as 1V, 6Y5, 12A5, 25Z5, 31, 37, 41, 30, and others having same shape envelope.

Type D **3F6108**—For dome type 24, 27, 32, 33, 34, 35 and other same diameter dome type tubes.

YOUR PRICE, EACH **6c**
10 FOR 50c—100 FOR $4.75

Radio Metal Chassis Bases

Rustless—Stainless

Easy to Work, Drill and Tap

Stock Number	Size Inches W. L. H.	Your Price Each
4J10910	7x 9x2	$0.65
4J10911	7x13x2	.88
4J10912	10x12x3	.95
4J10913	10x17x3	1.23
4J10914	10x23x3	1.45

Ideal for building power amplifiers, Broadcast or shortwave receivers, auto radios or test equipment. Special aluminum Radio alloy, with clean rustless non-tarnishing lustrous finish. Non-magnetic. Easy to work, drill and tap. Solders readily.

Do not confuse these high grade chassis with ordinary plated sheet steel jobs which are hard to work. These are brand new, clean undrilled bases made to our special design and order. Open on bottom. Enclosed top and four sides.

Aluminum Panels

Commercially pure, hard tempered aluminum sheets. Natural bright polished finish. Thickness about ⅛ inch.

Stock Number	Size Inches	List Price	Your Price
3C7475	7x10	$1.02	$0.45
3C7476	7x12	1.26	.57
3C7477	7x14	1.50	.67
3C7478	7x18	1.98	.89
3C7479	7x21	2.28	.99
3C7480	7x24	2.40	1.09
3C7481	7x30	3.00	1.37
3C7482	24x36	11.40	5.35

Special size aluminum panels cut to your specifications. Any width or length. Thickness about ⅛ inch.

104E7485—Per Square Foot.
YOUR PRICE **$1.10**
NOTE: Minimum charge for specially cut aluminum panels per order $1.10.

Radio Metal Shield

Provides superior shielding. Non-rusting. Fits all screen grid and detector tubes. 4⅛" high. 2" diam. Mounting hole centers 1½, 1⅛ and 1⅜ inches.

3C6966—EACH .. **8¢**
TEN FOR 69c
PER HUNDRED. $4.75

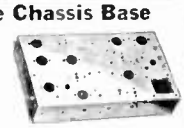
Two-Piece Tube Shields

For 24 and 27 Tubes

5" height when assembled, diameter 1⅜". Bottom punched for spade bolts but bolts not furnished. Fits standard 1⅜" mounting hole center socket. Top and bottom well ventilated. Long slot for grid lead. 24 gauge polished aluminum.

3C6953 — Shield — Code 01015—01016.
EACH ..... **12¢**
Ten for ....98c || Per Hun. $8.25

8 Tube Chassis Base



Drilled for an 8 tube set. Reinforced welded corners. Bright rust proof finish. Size 18" long, 10¼" wide and 2⅝" deep.

4D10909
YOUR SPECIAL NET PRICE 29c

Copper Foil

Thin copper foil for shielding panels, cabinets, automobile bulkheads, etc. .005 inches thick. Any length supplied.

3C6997—6 in. wide.
YOUR PRICE, Per Foot ..... **10¢**

3C6998—8½ in. wide.
YOUR PRICE, Per Foot ..... **15¢**

3C6999—12 in. wide.
YOUR PRICE, Per Foot ..... **20¢**

NOTE: This foil will be cut to any length. Minimum billing price on any one order is 50c, so order your money's worth.

Steel Chassis Bases

A high quality lead coated steel chassis base. As easy to cut or drill as other bases offered at competitive prices. Does not have the lustrous finish and is not as easy to work with as the Radio Metal bases listed above. Ternplate is heavy and substantial. Supplied undrilled. All sizes are 3 inches deep and open on bottom.

Stock Num.	Size Inches	Your Price Each
4E10915	10x12	54c
4E10916	10x17	75c
4E10917	10x23	85c

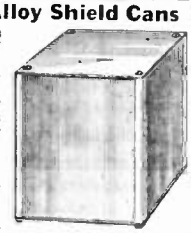
Corner Posts

For use with Chassis Bases.

3D6993. Per Set, Posts, Screws and Nuts.
YOUR PRICE ..... **29¢**

Heavy cast corner posts. Mount in corners of above chassis. They close the corners perfectly and make the entire job very solid and without the slightest "give". Three tapped holes on each side. Drill holes in chassis and mount with 6-32 screws supplied. Base of post also tapped to take screw coming through base on which chassis is mounted. Complete set includes: 4 Corner Posts; 24 6-32 screws; and 4-1¼" long 10-32 screws for anchoring to any base.

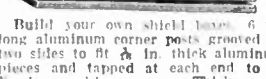
Radio Alloy Shield Cans



All six sides made of ⅛" thick non-rusting zinc-copper-cadmium alloy which has superior shielding qualities. Attractive buffed silver finish. Heavy cast aluminum corner posts drilled and tapped for 6-32 screws which are included. Shipped knocked down. Easily assembled in a few minutes. Height each can 6 inches.

Stock Number	Size Inches	List Price	Your Price
3C6983	4x5	$2.00	1.18
3C6984	5x5	2.25	1.32
3E6982	5x9	3.00	1.47
3C6985	6x6	2.75	1.62
3C6986	8x8	3.00	1.76
3C6987	6x12	2.75	1.62
3C6988	8x10	3.50	2.06
3C6989	7x14	3.50	2.06

Aluminum Corner Posts



Build your own shield boxs. 6 in. long aluminum corner posts grooved on two sides to fit ⅛ in. thick aluminum pieces and tapped at each end to fit 6-32 in. machine screws. Thickness of metal overall ¾ in.

3C6979—YOUR PRICE, Each Piece ..... **18¢**

3C6980—Same as above but not tapped. We ship any length specified by you. You tap ends to suit your own requirements.
YOUR PRICE Per Foot ..... **20¢**

NOTE: Minimum size order billing for special length aluminum corner posts is 50c i. e—Four 15-inch pieces would be billed at 50c, same as a single 12 inch piece.

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RADIO Convenience Outlets

Brown bakelite plates in attractive, soft finish. Metal parts finished in nickel or bronze. Finest quality material and workmanship. Fits standard outlet boxes. Mounting screws included.

Aerial and Ground

Provides a neat convenient and efficient outlet for aerial and ground wires. Jack springs have exceptionally long contact surface to tightly hold the tip plug.

3E2415—List, 75c. YOUR PRICE ..... **39¢**

Aerial and Ground With A.C. Outlet

Combining the popular aerial and ground terminals with a single electrical A.C. outlet. Extensively used in rewire jobs in homes, apartments, hotels or offices.

3E2416—List, $1.35. YOUR PRICE ..... **62¢**

DUPLEX A.C. Outlet with Aerial and Ground Connections

Aerial and ground outlet jacks with duplex electrical receptacle—an A.C. outlet for the set and one for lamp, clock or utility requirements. Adaptable to any installation.

3E2417—List, $1.25. YOUR PRICE ..... **76¢**

Spring Clamp Binding Posts

3C6204—Plain (not marked).
3C6205—"Ant."
3C6206—"Gnd."

EACH ..... **5¢**
10 for 50c.
Per hundred, $4.50.
Per thousand, $43.50.

Insulated top. Spring clamp holds wire securely. 6/32 screw projects ¼". Length over all 1".

Spring Clamp Binding Post Assembly

3C6207 EACH **12¢**
Ten for $1.10

Two automatic, spring clamp, insulated top binding posts mounted on bakelite strip 2" long, ⅜" wide, with mounting holes 1¾" centers. Completely equipped with soldering lugs—one grounded to chassis. Posts marked "ant" and "gnd."

Non-Removable Bakelite Top Binding Posts

3C6113—Plain.	EACH **9¢**
3C6114—Ant.	
3C6115—Gnd.	
3C6116— +	
3C6117— —	
3C6118—Input.	Per Dozen **95c**
3C6119—Output.	

Captions engraved on polished black bakelite top. Diameter, ½ inch. Size, 6/32 screw, ⅝ inch long.

Bakelite Binding Post Kit

Consists of 25 non-removable top bakelite binding posts like above with assorted captions as we select.

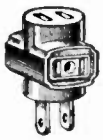
3F6135—Kit of 25 binding posts. YOUR PRICE ..... **97¢**

Polarized Aerial-Ground Outlet

A convenient device for connecting set to aerial and ground lead-in wires. Impossible to reverse connections. Black bakelite cap.

3C2245—List Price, Each 50c. YOUR PRICE ..... **24¢**

Bakelite Trio-Tap



Three connections from one outlet. Bakelite body. Very strong, sturdy connection. Retails at 25c.

	Each	Ten for
3D7027 Brown	**6c**	56c

Outlet Plug Cap

Plugs cord in receptacle and has an additional receptacle on top for connecting another cap into it. Wired same as ordinary cap. Body of brown bakelite.

3D7032 EACH ..... **4¢**
Ten for 35c

Edison Socket Adapter

Edison screw shell receptacle and pin type connector. Permits inserting lamp or screw plug at flush receptacle.

3D7033 EACH ..... **11¢**
Ten for 95c

Two-Piece Attachment Plug

A sturdy, well designed, good quality composition plug. Brass blades with beveled ends.

3D7019—EA. **5¢**
3D7020—Caps Only EACH ..... **2¢**

Soft Rubber Cord Connector

Unbreakable. Easily wired into cord. For 110 volt lines. Standard size pin cap.

3D7035—Each.. **18¢**
Ten for $1.59

Cord Connectors

For 110 volt service. Screw caps protect connections. Composition body. Overall length 2½".

3D7036—Each ..... **16¢**
Ten for $1.49

Rubber Handle Cap

Strong, durable and convenient. Scientifically designed finger grip. Stiff, pliable, unbreakable rubber body.

3D7025—Black, Each **4¢**
Ten for 35c

Green Back Bulb

50 Watt 115 Volt

Very rugged. Recommended for use where light is subject to vibration. Top of bulb is finished in green. Protects the eyes and throws the light down.

3D7149—YOUR PRICE, EACH **10c**
10 for 75c

Laundry Iron Elements

Standard replacement element for all 6 pound electric irons such as Westinghouse, Eagle, Sunbeam, etc. Fits 90% of irons.

3E7091—NET EACH ... **22¢**

Double Flush Receptacle

Bakelite body. Finest quality phosphor bronze contacts. Takes two standard pin caps.

	Each	Ten for
3D7037 Brown	10c	$0.95

Bakelite Flush Plates

Guaranteed genuine bakelite. Beautiful eggshell finish. Screws to match.

Brown

3D7039. For toggle switch.

3D7040. Duplex flush receptacle.

EACH ..... **6¢**
Ten for 55c

Plug Fuses

Underwriters approved. Tested finest quality. Porcelain body. Clear mica window in top shows at a glance if fuse is blown. For 110-125 volt current. The amperage of each fuse is clearly stamped on the top.

Stock Num.	Amps.	Carton of Five
3D7101	10	**18¢**
3D7102	15	
3D7103	20	Per 100
3D7104	25	
3D7105	30	**$2.94**

Insulated Staples

¾-inch sharp pointed insulated staples for wire work. 100 in box. Shpg. wt., 8 oz.

3J7099— Per Box ..... **10¢**

Bell Wire

Size 18 copper wire insulated with paraffined cotton braid. Shpg. wt., 1 lb.

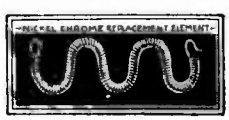
3C2153	50 ft. coil	12c
3C2154	100 ft. coil	22c

Friction Tape

Best quality. Cotton fabric. Free from pinholes. Impregnated with adhesive rubber compound. Holds fast.

Stock Number	Size Roll	Tape Width	Your Price
3F7127	4 oz.	¾"	**9c**
3F7125	4 oz.	¾"	
3F7128	8 oz.	¾"	**17c**
3F7126	8 oz.	¾"	

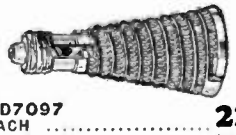
Nichrome Wire Lengths



3D7096— EACH ..... **8¢**
Ten for 75c

Coiled nichrome wire, round size 22. Each length is 600 watts at 110 volts. Requires no further cutting and may be stretched to any lengths required.

Heater Element

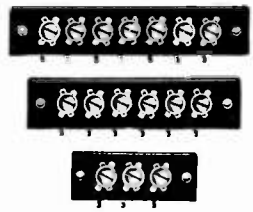


3D7097 EACH ..... **22¢**
Ten for $2.10

Fits all screw type heaters. Best grade coiled nichrome wire wound on ceramic form. 110-120 volts, 600-660 watts.

Terminal Strip Assemblies

With "Screw and Collar" Terminals and Single Unit Lug



Genuine laminated bakelite strip 1/8" thick, ⅞" wide. Latest type screw and collar terminals with rigid-non-shift lug. Collar and lug is one single piece and mounted rigidly and securely through the terminal strip. Screws are brass nickel plated.

No Markings

Stock Number	Terminals	Mount Centers	Price Each	Ten For
3F8150	2	2"	9¢	$0.85
3F8151	3	2"	12¢	1.11
3F8152	4	2½"	15¢	1.42
3F8153	5	3½"	19¢	1.71
3F8154	6	4"	23¢	2.22
3F8155	7	4½"	30¢	2.70

With Markings

Same Construction as above strips except with markings.

3F8156—2 terminals. Marked "IN" and "GND". YOUR PRICE, EACH..... **12¢**
Ten For 95c

3F8157—6 terminals. Marked 1, 2, 3, 4, 5, 6 with caption "FIELDS" at top. YOUR PRICE, EACH..... **36¢**
Ten For ..$2.95

3F8158—7 terminals. Two terminals are marked 500 and the others 0, 3, 6, 9, 15 with caption "OUTPUT" at top. YOUR PRICE, EACH..... **38¢**
Ten For ..$3.15

3F8159—13 terminals. A two section strip combining all the markings on the above two strips. Overall length 8". Three mounting holes. Mounting hole near center is 3½" from one end hole and 4" from the other end hole. YOUR PRICE, EACH ..... **68¢**
Ten For ..$5.66

Tie Terminal

A single terminal entirely insulated from the mounting lug. Handy for tying three or four leads together.

3F8165—Ten for ..... **19¢**
Per Hundred, $1.16

New Lug Terminal Strip

Bakelite Insulation

3D8160 YOUR PRICE **8¢**
Ten for **36c**

Simplifies wiring and provides a ready means of mounting resistors. Center terminal may be grounded by mounting directly to chassis. 1⅜" long. Lugs tinned.

Terminal Strips

Tinned lugs mounted securely on laminated bakelite strips. High insulation factor. Lugs widely spaced. Two lug mounting.

Stock Number	Terminals	Price Each	Ten For
3F8162	3	6c	35c
3F8163	4	7c	40c
3F8161	5	9c	45c
3F8164	6	11c	50c

Screw and Lug Assembly

2" long, ⅜" wide. Mounting holes 1⅜" centers. Wide head cadmium plated screws on ¾" centers. Solder lugs riveted on, extend ½".

3F6208—PRICE EACH .... **5¢**
Ten for..**36c** Per Hundred..**$2.95**

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World Radio History

NEWEST DIALS AND PILOT LIGHTS

Improved Model Airplane Dials

For All-Wave, Short-Wave and Broadcast Receivers

Attractive Designs

Translucent peach colored dial scales with distinctive dark brown indicating figures. Removable crystal lens can be removed if additional calibration markings are desired to be added in blank space below upper scale and above lower scale.

Improved Construction

Smooth friction drive. No backlash. Cadmium plated frames. Dial frame has a tapped 9/32" hole for securing to condenser frame. Fits 3/8" shaft but supplied with reducer bushings for use with 1/4" shafts. Hair line pointers and condenser travel in same direction.

Airplane Type 2 5/8" Dial

With Escutcheon and Lamp Socket

Complete EACH ..... **72¢**

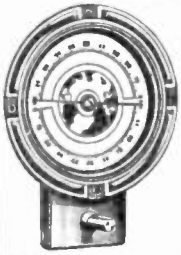
3F6794—Upper scale marked 0-100. Lower scale 100-0.

3F6795—Upper scale marked 100-0. Lower scale 0-100.

Ratio 7 to 1. 3¼" embossed bronze finished escutcheon. One illuminator bracket is supplied, two may be used.

Airplane Type 3 1/8" Dial

With Escutcheon and Two Lamp Sockets



Complete EACH ..... **79¢**

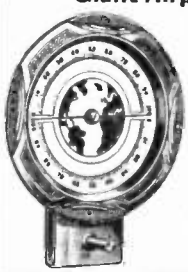
3F6792—Upper scale marked 0-100. Lower scale 100-0.

3F6793—Upper scale marked 100-0. Lower scale 0-100.

Ratio 10 to 1. Two lamp sockets are supplied. This permits broadcast and short-wave scale to be illuminated independently by connecting pilot lights to a section on the coil change switch. 4" embossed bronze finish escutcheon.

Giant Airplane 4" Dial

With Escutcheon and Two Lamp Sockets



Complete EACH **$1.15**

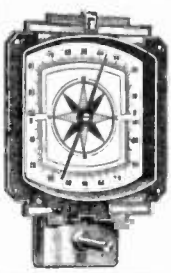
3F6802—Upper scale 0-100. Lower scale 100-0.

3F6803—Upper scale 100-0. Lower scale 0-100. Especially desirable for 4 band receivers. Ratio 13 to 1. A large dial suitable for the finest receivers. Two illuminator brackets supplied with dial. 4¾" embossed bronze finished escutcheon.

Square Airplane 3 1/4" Dial

Modernistic Design

20:1 Ratio



Complete EACH ..... **97¢**

3F6807—Upper scale 0 to 100. Lower scale 100 to 0.

3F6808—Upper scale 100 to 0. Lower scale 0 to 100.

Especially desirable where exceptionally "fine" tuning is essential. Enhances the appearance of the highest quality radio cabinets and consoles. 4" embossed bronze finished square escutcheon. Supplied with two illuminating brackets.

Airplane Type 2 3/8" Dial

With Escutcheon

Complete EACH ..... **69¢**

3F6811—Upper scale marked 0 to 100. Lower scale 100-0.

Ratio 5 to 1. Translucent peach colored scale has distinct dark brown indicating markings. 2¾" bronze finished escutcheon. Mounts directly on a ¼" variable condenser shaft or to the chassis base. Dial illuminator bracket not supplied.

All Wave Five Color *Giant 6 Inch Illuminated Airplane Dial*

With Reference Tuning

3J6804—

List Price, $4.00.

YOUR PRICE **$1.95**

Broadcast Band in red from 530 to 1700 Kilocycles. Police and Amateur Band in yellow from 1.6 to 4.5 Megacycles—Foreign Short Wave in green from 5.8 to 17 Megacycles. In addition the names of Foreign Countries are marked on the dial indicating where to receive these broadcasts. Beautiful five color castle design in center. Transversely Illuminated. Colored figures, calibrations and hair-line white pointer stand out as if suspended against the opaque black background and give off a pleasing subdued florescent glow. Designed for counter clockwise condenser (capacity decreases to right). Connects direct to 3/8" drive shaft. Smooth friction drive. No backlash. Large scale spreads out stations and permits fine tuning. 1 1/8" long, 1/4" knob shaft. Mounts in 6" hole. Extra hole in cadmium plated dial bracket for mounting volume or Tone Control. 6 5/8" bronze finished escutcheon and two illuminator brackets supplied.

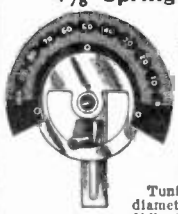
DRUM DIAL

3E6800 Without Plate **81c**

3E6801—Escutcheon Plate. Extra each .... **17¢**

Full Vision. Illuminated. Insulated socket included but no bulb. Tuning ratio 7 1/2 to 1. 1/4 inch shaft for knob; 3/8 inch hole for condenser shaft. Celluloid scale 0-100. Bronze finish escutcheon plate 3¾" high, 2½" wide. Fits Marvelo Model 30.

4 1/8" Spring Friction Drive



Dial only. Each **54¢**

3F6789—Clockwise

3F6790—Counterclock

3E6791—Escutcheon plate extra. EACH ..... **14¢**

Tuning Ratio 6 to 1. Outside diameter dial 4 1/16". Shaft hole for 1/4" shaft. Knob shaft 1/4". Celluloid scale. Pilot light socket. Bronze finish. Escutcheon plate 2 5/8" high, 2 3/8" wide.

Full Vision Dial for Long and Short Wave Work

3E6782—Clockwise

3E6783—Counterclock

65¢

Complete

Dial and escutcheon with pilot light socket. Extra high ratio 12 to 1. Friction drive. Full vision illuminated scale with traveling pointer. Bronze finish escutcheon plate 4¾" wide, 2¼" high. Takes 3/8" shaft.

Victor R-32 Pilot Lamp

Best Quality—American Made

118 Volt. 10 Watt Inside Frosted

Especially for Victor R-32 and Colonial Receivers. May also be used in continuity tests to indicate open or short circuits. Intermediate base.

3F6909— Ten for **$1.65**

Genuine Mazda Clear Pilot Lamps

Guaranteed quality. Made by General Electric and Westinghouse. Sold only in lots of ten. Clear bulbs. Finest quality bulbs made.

Clear Tubular Bulb—Min. Screw Base

Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3F7021	2.5	0.50	9¢	54¢	41
3F7022	3.2	0.35	12¢	71¢	42
3F7023	6.3	0.15	9¢	54¢	40
3F7024	6.3	0.25	9¢	54¢	46

Clear Tubular Miniature Bayonet Base

Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3F7041	2.5	0.65	10¢	59¢	43
3F7042	6.3	0.25	10¢	59¢	44

Clear Round Bulb—Min. Bayonet Base

Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3F7043	6-8	1.0	10¢	59¢	51
3F7044	6-8	1.5	10¢	59¢	55

Clear Round Bulb—Miniature Screw Base

Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3F7045*	2.2	0.25	9¢	54¢	223
3F7046	2.3	0.27	9¢	54¢	233
3F7047	2.5	0.30	9¢	54¢	14
3F7048	3.8	0.30	9¢	54¢	13
3F7049	6.8	0.20	10¢	59¢	50

*Has flat topped bulb.

Clear Low Drain Bulbs

For Use with Air Cell Battery 2V. Storage Battery or 3V. "A" Pack

Clear Tubular Bulb—Min. Screw Base

Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3F7028	2.0	0.06	20¢	$1.18	

Clear Tubular Miniature Bayonet Base

Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3J7029	2.0	0.06	22¢	$1.29	

Genuine Mazda Colored Pilot Lamps

Colored Tubular Bulb—Min. Screw Base

Stock Num.	Volts	Amps.	Color	List Ea.	Ten For	Maz-No.
3J7066	2.5	0.50	White	12¢	$0.71	41W
3J7067			Green	19¢	1.14	41G
3J7068			Red	19¢	1.14	41R
3J7069	6.3	0.25	White	12¢	.71	46W
3J7076			Green	19¢	1.14	46G
3J7077			Red	19¢	1.14	46R

Colored Tubular Bulb—Min. Bayonet Base

Stock Num.	Volts	Amps.	Color	List Ea.	Ten For	Maz No.
3J7078	2.5	0.65	White	15¢	$0.90	43W
3J7079			Green	20¢	1.20	43G
3J7080			Red	20¢	1.20	43R
3J7081	6.3	0.25	White	15¢	.90	44W
3J7082			Green	20¢	1.20	44G
3J7083			Red	20¢	1.20	44R

Colored Round Bulb—Min. Screw Base

Stock Num.	Volts	Amps.	Color	List Ea.	Ten For	Maz. No.
3J7084	6-8	0.20	White	13¢	78¢	50W
3J7085			Green			50R
3J7086			Red			50G

Colored Round Bulb—Min. Bayonet Base

Stock Num.	Volts	C. P.	Color	List Ea.	Ten For	Maz. No.
3J7087	6-8	1.0	White	15¢	90¢	51W
3J7088			Green	13¢	78¢	51G
3J7089			Red	13¢	78¢	51R

Imported Pilot Light Bulbs

Not equal to domestic bulbs in length of life nor efficiency. Tubular shape. Miniature Screw Base.

Article Number	Volts	Ten For	Per Hundred
3E6812	2.5	29¢	$2.45
3E6813	3.8	29¢	2.45
3E6814	6.3	29¢	2.45

World Radio History

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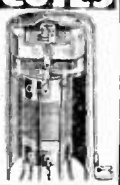
Meissner REPLACEMENT COILS RECEIVERS



Transformers Pre-Tuned at Factory

Guaranteed Electrically and Mechanically Perfect

Coils are all precision machine wound. Highest quality materials and workmanship. Thorough impregnation eliminates corrosion and insures long and satisfactory operation even in humid climates.

Majestic Model No.	Majestic Part No.	Description	Stock Number	Your Price
460	10148	1st I. F. Trans. Complete	3F9112	.88
	10149	2nd I. F. Trans., less can	3F9114	.50
	10253			
	9747			
	9748	Ant. Coil, less can	3F9110	.47
	10196			
	10197	Oscillator Coil, less can	3F9113	.35
	9750			
	9751	R. F. Coil, less can	3F9111	.47
	8857	R. F. Choke, less can	3F9076	.29
490	9747			
	9748	Ant. Coil, less can	3F9110	.47
	9750			
	9751	R. F. Coil, less can	3F9111	.47
	8857	R. F. Choke, less can	3F9076	.29
500	10843	1st I. F. Trans. Complete	3F9137	1.32
	11705	2nd I. F. Trans. Complete	3F9118	1.17
	10852	3rd I. F. Trans. Complete	3F9138	2.35
	10857	Ant. Coil, less can	3F9115	.47
	10860	Oscillation Low Freq., less can	3F9116	.29
	10866	Oscillator High Freq., less can	3F9117	.35
520	9747			
	9748	Ant. Coil, less can	3F9110	.47
	10196			
	10197	Oscillator Coil, less can	3F9113	.35
570	9747			
	9748	Ant. Coil, less can	3F9110	.47
	9750			
	9751	R. F. Coil, less can	3F9111	.47
	8857	R. F. Choke, less can	3F9076	.29
800	8995			
	7821	1st I. F. Trans. Complete	3F9102	.88
	7822			
	10253			
	11014	2nd I. F. Trans., less can	3F9114	.50
	9748			
	9747	Ant. Coil, no can	3F9110	.47
	9750			
	9751	R. F. Coil, no can	3F9111	.47
	8857	R. F. Choke, less can	3F9076	.29

Short Wave Shunts

3F6659— Your Price, Ea. **17¢**

Enables receivers designed only for the regular 200 to 550 meter band to include 75 to 200 meter Short Wave Bands. Small size, ⅞"x¾" high. Diagram showing how to connect in the circuit included. One Short Wave Shunt is required for each antenna and each R.F. coil.

Philco Replacement Coils

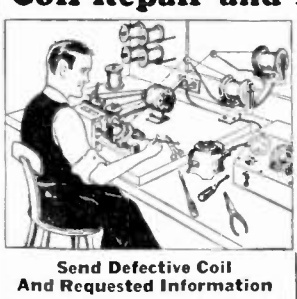
Replacement coils for every model Philco Home or Auto Radios are listed on pages number 134 to 139. Use Genuine Philco repair parts for Philco sets and buy them from Radolek. You can depend on Radolek.

Iron Core R. F. Chokes

High "Q", R.F. chokes for use wherever air chokes may be used. Decreased size attributes to lower capacity and R.F. resistance, which increases gain and selectivity of circuits used in.

Stock Number	Milli Henries	List Price	Your Price
3J6674	2.5	$ .60	35¢
3J6675	3.5	.60	35¢
3J6676	5.5	.65	38¢
3J6677	10	.75	44¢
3J6678	30	.85	50¢
3J6679	60	1.00	59¢
3J6680	80	1.15	68¢
3J6681	125	1.50	88¢

Coil Repair and Renewal Service



Send Defective Coil And Requested Information

Send original defective coil with following information: Receiver name and model, state bands covered, number and types of tubes used and number of sections in gang condenser. If coil is shielded included shield. If the coil you send is identified as a regularly stocked item we will immediately ship an exact duplicate at the lowest dealer price.

Antenna, R.F., I.F., and Oscillator Coils

Guaranteed Performance

In practically every instance the defective coil will be checked against and rebuilt according to the original manufacturer's specifications. This special engineering service insures receiving an exact duplicate of the original. We guarantee that the remanufactured coil will be returned to you in perfect working condition and with electrical characteristics exactly like the original. Most re-manufactured coils will give performance far superior to the original.

Price List

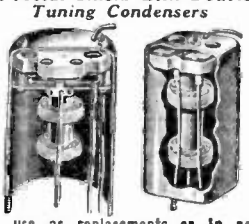
R. F., Antenna and single section I.F. coils.
3J6605— YOUR PRICE $1.45

Double Section I.F., Coils
3J6606— YOUR PRICE $1.75

Combination Oscillator and I.F. Coils (Composite).
3J6607— YOUR PRICE $1.95

I. F. Transformers

In Metal Shield with Double Tuning Condensers



For use as replacements or in new set design. Can be used in any combination required for the I. F. stages. The tuning condensers are of the mica compression type, on Isolantite bases and are adjustable from the top of the shield can. Leads are color coded. Diagram is furnished with each unit. Double Tuned.

Input	Output	Peak K. C.	Frequency Range
3J6600	3J6603	465	442-470
3J6602	3J6604	175	168-180

YOUR PRICE ..... 69¢

I.F. Coils in Square Shield

Shield Size 1⅜" Square x 3" High
Spade Bolt Mounting Centers 1⅞".

Input	Output	Peak K. C.	Frequency Range
3J6617	3J6620	465	442-470
3J6619	3J6621	175	168-180

YOUR PRICE ..... 73¢

Primary Replacement Coil Windings

High impedance silk enamel windings for replacing burned out antenna primaries. Defective primary section is removed from original coil and primary replacement collar slid in place. Sliding of collar permits variation of coupling in relation to secondary. Every serviceman should have a set of these for emergency repairs. Sizes given are for outside diameter of portion on defective coil where replacement collar is to be used.

3J6622—for 1½" O.D. Coils
3J6623—for 1" O.D. Coils
3J6624—for ⅞" O.D. Coils
3J6625—for ¾" O. D. Coils
YOUR PRICE, EACH ..... 17¢

Iron Core High Gain I. F. Transformer

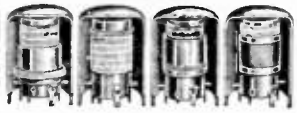
Provide Improved Performance

The special iron core construction insures higher gain and greater selectivity. Gain is twice that of air core type. Selectivity is so improved that receivers having normally poorer than 10 K.C. separation, can with the use of these transformers, be converted into Receivers having positive 10 K.C. or better separation. Complete instructions supplied for replacing ordinary I.F.'s with these new units. Only one of the I.F.'s in the receiver need be replaced. Metal shield 1⅝"x1½" high. Spade bolt mounts. Double Tuned.

Stock Number	Working Rating	Operating Extremes	Set Pos.
3J7199	175 K.C.	170-180 K.C.	Inp.
3J7192	175 K.C.	170-180 K.C.	Out.
3J7198	262 K.C.	250-265 K.C.	Inp.
3J7193	262 K.C.	250-265 K.C.	Out.
3J7197	370 K.C.	360-380 K.C.	Inp.
3J7194	370 K.C.	360-380 K.C.	Out.
3J7196	456 K.C.	440-470 K.C.	Inp.
3J7195	456 K.C.	440-470 K.C.	Out.

YOUR PRICE, EACH $1.18

Litz Wound Antenna and R. F. Amplifier Coils Shielded



High Impedance —Low Impedance

Shield Size 1⅞" Diameter x 2¼" High
Spade Bolt Mounting Centers 1¾"

3E6645—High Impedance Antenna Coil.
3E6646—High Impedance R. F. Coil
YOUR PRICE EACH ..... 38¢

3E6643—Low Impedance Antenna Coil.
3E6644—Low Impedance R. F. Coil
YOUR PRICE EACH ..... 31¢

These coils are matched for use with .000365 mfd. (.00035) Variable Condensers. This value condenser is used in the majority of sets that are in operation today. We recommend that a complete set of coils be replaced in a receiver in order to obtain maximum efficiency. Whatever combination of coils is selected we will ship them perfectly matched. Coils are precision machine wound and use the best of materials. Thoroughly impregnated and impervious to moisture. The proper relation between tube diameter and wire size has been efficiently chosen and, regardless of the size of the coil to be substituted, the particular size shown will make an excellent replacement. The difference between low impedance and high impedance coils is in the primary windings. Instead of having a primary with comparatively few turns wound over the secondary as furnished in all low impedance coils, the high impedance antenna coil has a lateral or honey-comb winding directly adjacent to the secondary. High impedance coils are necessary where screen-grid tubes are used in the circuits and furnish a maximum gain throughout the entire wave band. Litz coils can be readily substituted for Enamel and furnish approximately 20 per cent higher gain and increased selectivity over the broadcast band.

Unshielded Litz Coils

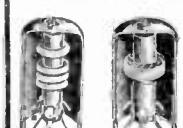
High Impedance —Low Impedance

The same as those listed above except without shield. Supplied on a standard ⅞" outside diameter by 2¼" high coil form. Mounting bracket and dowel with mounting screws supplied enable mounting of coil in any position.

High Impedance Coils
3E7152—Antenna Coil.
3E7153—R. F. Coil.
YOUR PRICE, EACH ..... 34¢

Low Impedance Coils
3E7150—Antenna Coil.
3E7151—R. F. Coil.
YOUR PRICE, EACH ..... 27¢

Midget Antenna R. F. and Oscillator Coils



1¼"x1¾" High

3F6689— Ant. Coil.
3F6690— R.F. Coil.
3F6691— Osc. Coil. (For 175 KC)

YOUR PRICE, EACH ..... 44¢

Small size high gain shielded coils. Designed for Superheterodyne and T. R.F. receivers requiring compact efficient coils. Newest type litz wire sectional winding with low R.F. resistance and distributed capacity. For use with .000365 (.00035) Mfd. variable condensers. Desireable for auto radio construction as well as home receivers because of their compactness and efficiency. All coils are perfectly matched and may be used in any combination desired. Supplied complete with wiring diagram.

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World Radio History

Replacement Coils for Majestic Receivers

Type A *Type B* *Type C*

Designed to replace the I.f. section in complete Majestic coil assemblies. Exactly duplicate the I.f. section. Thoroughly impregnated and impervious to moisture. These coils are not recommended unless facilities for proper balancing of the completed coil assembly are available. For an exact duplicate replacement of the entire coil assembly (exact duplicate replacements are pre-tuned, no complicated adjustments are necessary) make your selection from the listing at right.

Majestic Part No.	Receiver Model	Type	Stock No.	Your Price
4428	15, 15B, 55, 150	C	3J9330	35¢
4429 / 8384 / 5326	15, 15B, 55, 150 / 25	B / A	3J9331 / 3J9332	41c
5327	25	A	3J9333	53c
5602	25B	A	3J9334	53c
5601	25B	A	3J9335	41c
6506	55	C	3J9336	41c
10589 / 10078	66	A	3J9337	41c
10098 / 10591	66	B	3J9338	
7643	114	B	3J9329	41c
9355	116	A	3J9341	
9361	116	B	3J9342	
6987	120B	B	3J9343	41¢
6250	200	C	3J9344	41¢
6254	200	A	3J9345	53¢
6119	210	A	3J9396	41¢
6123	210	A	3J9346	41¢
6127	210	B	3J9397	41¢
6588	220	A	3J9347	59¢
6572	220	B	3J9348	41¢
6592	220	B	3J9349	53¢
7205	290, 300	A	3J9350	41¢
7230	290, 300	A	3J9351	53¢
7821	310A, 310B, 330, 800	A	3J9352	41¢
7812	310A, 310B, 330, 800	B	3J9398	47¢
9094	360	B	3J9399	
9669	400	A	3J9353	
10148 / 10149	460	A	3J9354	41c
10843	500	A	3J9355	
11705	500	A	3J9356	
10253 / 11014	460	B	3J9114	50¢

Primary coil used as R.F. Plate coil in Models 290, 300, 310, 330, 460, 520, and 800. Majestic Number 7187.
3J9050—List Price, 75c.
YOUR PRICE ..... **41¢**

R.C.A. Replacement Coil Sections Only

3J9140—RCA80 1st I.F. Net 41c
3J9141—RCA80 2nd I.F. Net 44c

Clarion Replacements

Composite 1st. I.F. Coil and Oscillator Assembly

3J9142—Model 320.
3J9143—Model 220.
Complete coil assembly. Exactly duplicates original. List, $2.50.
Your Price, Each **$1.47**

Coil Sections Only

3J9144—Mod. 100 2nd I.F.
3J9145—Mod. 220 1st I.F.
3J9146—Mod. 220 2nd I.F.
3J9147—Mod. 260 1st I.F.
3J9148—Mod. 360 2nd I.F.
3J9149—Mod. 400 Ant. Coil
YOUR PRICE EACH ..... **59¢**

BELMONT REPLACEMENT For Models C-119, 50C Viking 51C

Composite I.F. and Oscillator Coil

Complete coil assembly. Exactly duplicates original. Size 3"x2"x2".
3J9130—List, $2.50.
YOUR PRICE **$1.47**

R. F. Chokes

Lattice Wound-Mounted

Small, compact, lattice wound coils using silk covered enameled wire. Units are wound to accurate inductance and have high R.F. impedance. Hole in center.

Stock No.	Millihenries	Stock No.	Millihenries
3F8636	1½	3F8641	8
3F8637	2½	3F8642	10
3F8638	4	3F8645	16
3F8639	5½	PRICE, EACH...	**21¢**
3F8640	6		
PRICE, EACH...	**15¢**	3F8648	60 mh.
3F8647	30 mh.	3F8649	80 mh.
PRICE, EACH...	**27¢**	PRICE, EACH...	**47¢**

Radio Frequency Chokes

For Use on Any Wave Length

Unshielded coils have solder lugs securely anchored to bakelite form.
Shielded coils are completely shielded in aluminum case 1⅝" diam., 1⅝" long. Insulated wire leads. Single mount screw projects ¾".

Unshielded Stock Number	Millihenries	*Shielded* Stock Number	Millihenries
3D6650	80	3D6660	80
3D6651	60	3D6661	60
3D6652	30	3D6662	30
Your Price, Ea.	**34¢**	Your Price, Ea.	**42¢**
3D6653	10	3D6663	10
3D6654	5½	3D6664	5½
3D6655	3½	3D6665	3½
3D6656	2½	3D6666	2½
Your Price, Ea.	**24¢**	Your Price, Ea.	**32¢**

New *Triple* Tuned I. F. Transformers

Greater High Fidelity with Increased Selectivity and Sensitivity.

3J7180—456 Kc. Input.
3J7181—456 Kc. Output.
List Price, $3.00.
YOUR PRICE **$1.36** EACH

Greater High Fidelity reproduction without any sacrifice of sensitivity or selectivity. The selectivity curve has a flat top over practically the entire 10 Kc. range which permits reception over the complete audio range—no cutting of side bands yet positive 10 Kc. separation. One stage of Triple Tuned I.F. gives twice the selectivity of a Double Tuned stage. Triple pie windings are each individually tuned. Adjusting trimmers are at side of shield can. Frequency range variable from 450 to 470 Kc. Easy to install. Connections are practically the same as other I.F.'s with exception of one additional ground lead. Metal shield 1¾" square by 4" high. Spade bolt mounts. Diagram and instructions.

Tuning Wand

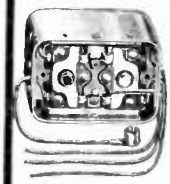
WITH FLEXIBLE SHAFT

3F8650—List, $1.00.
YOUR PRICE ..... **59¢**

For checking alignment in all-wave receivers without disturbing the adjustment of the trimmer capacitors. A flexible strong fibre rod with a brass cylinder on one end and a special finely divided iron core at the other end. Inserting the brass cylinder into a coil lowers its inductance, while inserting the iron increases the inductance. Proper adjustment is evidenced by a reduction in output with either end of the wand inserted into coil.

Meissner

EXACT DUPLICATE for all Majestic



Exact Original Manufacturers Specifications

Each coil is completely assembled and an exact electrical and physical duplicate of the original. Size, mounting holes, trimmers, and color coded leads are all carefully followed. The word "Complete" after any coil description signifies that the shield can and trimmer condenser are included.

Majestic Model No.	Majestic Part No.	Description	Stock Number	Your Price
15	4428 / 4429 / 8384	1st I. F. Trans. & Osc. Complete / 2nd I. F. Trans. Complete	3F9060	$1.47
			3F9061	.88
15B	4428 / 4429 / 8384 / 5490 / 5488	1st I. F. Trans. and Osc. Complete / 2nd I. F. Trans. Complete / 1st R. F. Trans., less can / 2nd R. F. Trans., less can	3F9060 / 3F9061 / 3F9063 / 3F9062	1.47 / .88 / .59 / .44
Chassis 20 Models 21, 22, 23	3908 / 3960 / 3907	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete	3F9064 / 3F9065	1.47 / 1.76
25	5326 / 5337 / 5346	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete / 2nd R. F. Primary Choke	3F9066 / 3F9067 / 3F9068	1.03 / 1.03 / .29
25B	5602 / 5601 / 5346	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete / 2nd R. F. Primary Choke	3F9069 / 3F9070 / 3F9068	1.17 / 1.17 / .29
35	5768 / 5771 / 5773	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete / 3rd I. F. Trans. Complete	3F9093 / 3F9094 / 3F9095	1.47 / .88 / .88
55	6506 / 4429 / 8384 / 5490 / 5488	1st I. F. Trans. and Osc. Complete / 2nd I. F. Trans. Complete with can and trimmer / 1st R. F. Trans., less can / 2nd R. F. Trans., less can	3F9096 / 3F9061 / 3F9063 / 3F9062	1.62 / .88 / .59 / .44
60	4439 / 4267 / 4464	1st I. F. Trans. Complete / 2nd I.F. Trans. Tapped, Complete	3F9071 / 3F9097	1.76 / 1.76
66	10078 / 10079 / 10589 / 10098 / 10099 / 10591 / 10017	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete	3F9074 / 3F9075	1.17 / 1.32
	10018 / 10020	Ant. Coil, less can / Oscillator Coil, less can	3F9072 / 3F9073	.53 / .44
	10021 / 10013 / 10014 / 8857	R. F. Coil Assembly, less can / R. F. Choke, less can	3F9099 / 3F9076	.59 / .29
114	8323 / 7643	1st I. F. Trans. Complete / 2nd I. F. Trans., less can	3F9040 / 3F9041	1.17 / .53
120B	6984 / 6987	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete	3F9048 / 3F9049	1.70 / 1.47
150	4428 / 4429 / 8384 / 5490 / 5488	1st I. F. Trans. and Osc. Complete / 2nd I. F. Trans. Complete / 1st R. F. Trans., less can / 2nd R. F. Trans., less can	3F9060 / 3F9061 / 3F9063 / 3F9062	1.47 / .88 / .59 / .44
160	4439 / 4464 / 4267	1st I. F. Trans. Complete / 2nd I.F. Trans. Tapped, Complete	3F9071 / 3F9097	1.76 / 1.76
200	6250 / 6254 / 6263	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete / R. F. Trans., less can	3F9079 / 3F9080 / 3F9082	1.17 / 1.17 / .73
210	6119 / 6123 / 6684 / 3910 / 6308 / 5346	1st I. F. Trans. Complete / 2nd I. F. Trans. Complete / 3rd I. F. Trans. Complete / Ant. Coil, less can / 2nd R. F. Primary Choke	3F9083 / 3F9084 / 3F9052 / 3F9054 / 3F9068	1.03 / .88 / .73 / .38 / .29
310A and 310B	8095 / 7821 / 7822 / 7812	1st I. F. Trans. Complete / 2nd I. F. Trans. Coil only	3F9102 / 3F9103	1.04 / .47
330 and 390	7812 / 8730 / 8857	2nd I. F. Trans., coil only / R. F. Coil, less can / R. F. Choke, less can	3F9125 / 3F9127 / 3F9076	.47 / .73 / .29
360	8095 / 7821 / 7822 / 9094 / 8729 / 8730	1st I. F. Trans. Complete / 2nd I. F. Trans. No Can / Ant. Coil Complete, less can / R. F. Coil, less can	3F9102 / 3F9132 / 3F9126 / 3F9127	.88 / .35 / .73 / .73
370	9225 / 9229 / 9668	1st I.F. Trans. and Osc., Complete / 2nd I. F. Coil, less can	3F9105 / 3F9106	.88 / .47
390		Model 390—Same as 330		

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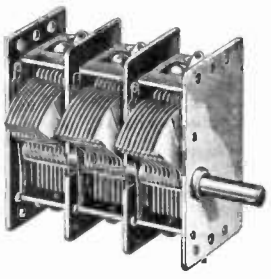
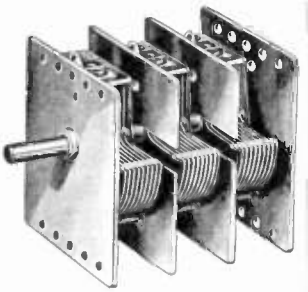
Quality Variable Condensers



The Condensers described on this page are the finest made. They are the first quality product of the originators of the variable Gang Condenser carrying a section with specially shaped plates for tuning the oscillator of Superheterodyne circuits, and the Company which supplies the majority of the largest nationally known Radio Set Manufacturers. Their long experience in this field is reflected in the superior workmanship and advanced mechanical and electrical features to be found in these fine units: Frames and shields of heavy cold rolled steel finished in bright cadmium plate, heavy aluminum plates, ball bearing shafts, new vernier mechanism; and extremely accurate calibration—capacity variation between gangs plus or minus 1%. There is a type for every replacement or constructional need available.

Note: All Condensers Illustrated are of Clockwise Rotation.



Low Shield Superheterodyne Model

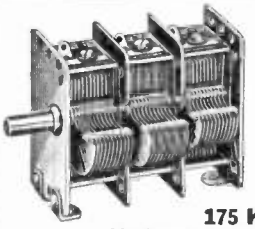
Special oscillator section at rear of condenser for tuning the oscillator of superheterodyne receivers without the use of a padding system. For use with a 175 K.C. intermediate frequency. Maximum capacity of R.F. section .000365 mfd. Minimum capacity .000020 mfd. Maximum capacity of oscillator section .000354 mfd. Minimum capacity .000020 mfd. Size of end plate: 2¾x4 in. Length: 2-gang 2¼", 3-gang 4", ⅜" ball bearing shaft.

Clockwise Rotation				*Counter-Clockwise Rotation*			
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trimmers on:	Your Price, Each
3D7350	2	Right	$1.03	3D7356	2	Right	$1.03
3D7351	2	Left		3D7357	2	Left	
3D7352	3	Right	1.52	3D7358	3	Right	1.52
3D7353	3	Left		3D7359	3	Left	
Low Shield T.R.F. Models (Capacity: .000365 mfd. Max., .000020 mfd. Min.)							
3D7362	2	Right	$1.03	3D7368	2	Right	$1.03
3D7363	2	Left		3D7369	2	Left	
3D7364	3	Right	1.52	3D7370	3	Right	1.52
3D7365	3	Left		3D7371	3	Left	

High Shield Superheterodyne Model

Has special section at rear for tuning oscillator of superheterodyne circuits without the use of a "padding" system. Designed for 175 K.C. intermediate frequency. Capacity of R.F. sections, maximum: 000365 mfd., minimum: .00002 mfd. Capacity of oscillator section, maximum: .000354 mfd., minimum: .00002 mfd. Size of end plate: 4x3⅜ In. Length: 2-gang 2¼", 3-gang. 4", 4-gang 5¼". ⅜" ball bearing shaft.

Clockwise Rotation				*Counter-Clockwise Rotation*			
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trimmers on:	Your Price, Each
3D7374	2	Right	$1.03	3D7380	2	Right	$1.03
3D7375	2	Left		3D7381	2	Left	
3D7376	3	Right	1.52	3D7382	3	Right	1.52
3D7377	3	Left		3D7383	3	Left	
3D7378	4	Right	2.03	3D7384	4	Right	2.03
3D7379	4	Left		3D7385	4	Left	
High Shield T.R.F. Models (Capacity: .000365 mfd. Max., .00002 Mfd. Min.)							
3D7386	2	Right	$1.03	3D7392	2	Right	$1.03
3D7387	2	Left		3D7393	2	Left	
3D7388	3	Right	1.52	3D7394	3	Right	1.52
3D7389	3	Left		3D7395	3	Left	
3D7390	4	Right	2.03	3D7396	4	Right	2.03
3D7391	4	Left		3D7397	4	Left	



New Compact Condensers

Superheterodyne and T.R.F. Models

Specifications for SUPERHETERODYNE MODELS: Maximum capacity of r.f. section for both 175 and 456 K.C. condensers—.000365 mfd., minimum .000016 mfd. Maximum capacity of oscillator section for 175 K.C. model—.000275 mfd., minimum .000015 mfd. Maximum capacity of oscillator section for 456 K.C. model .000365 mfd., minimum .000016 mfd. Dimensions of end plate on all models 3⅝"x1⅝" Length 2-gang 2⅛". 3-gang 3⅝". Ball-bearing shaft ⅜" diam., 1½" long.

175 K.C. Superheterodyne Models

Clockwise Rotation				*Counter-Clockwise Rotation*			
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trimmers on:	Your Price, Each
3D7310	2	Right	84c	3D7314	2	Right	84c
3D7311	2	Left		3D7315	2	Left	
3D7312	3	Right	$1.23	3D7316	3	Right	$1.23
3D7313	3	Left		3D7317	3	Left	

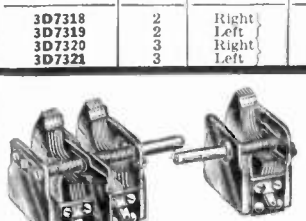
456 (465) K.C. Superheterodyne Models

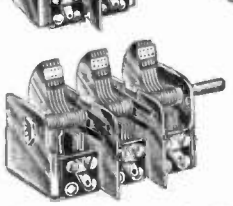
Clockwise Rotation				*Counter-Clockwise Rotation*			
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trimmers on:	Your Price, Each
3F7354	2	Right	84c	3F7366	2	Right	84c
3F7355	2	Left		3F7367	2	Left	
3F7360	3	Right	$1.23	3F7372	3	Right	$1.23
3F7361	3	Left		3F7373	3	Left	

T. R. F. Models

Maximum capacity .000365 mfd. Minimum capacity .000016 mfd.

Clockwise Rotation				*Counter-Clockwise Rotation*			
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trimmers on:	Your Price, Each
3D7318	2	Right	84c	3D7322	2	Right	84c
3D7319	2	Left		3D7323	2	Left	
3D7320	3	Right	$1.23	3D7324	3	Right	$1.23
3D7321	3	Left		3D7325	3	Left	





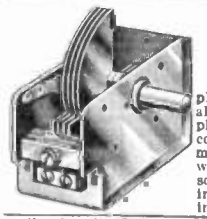
Short Wave Condensers

Compact .00015 Mfd., (150 mmf.)

High quality small size condensers. Especially designed for all types of short wave receivers and converters employing either a one, two or three gang condenser. Rigid construction provides for electrical and mechanical efficiency. Accurately fitted ball bearings at end of condenser shaft provide for long life, quiet operation and stability of calibration. Shaft length 1¼", shaft diameter ¼". Height of all models 1⅞". Tapped holes in base for mounting. All sections are .00015 capacity.

Counter-Clockwise Rotation

Stock Number	Num. Gangs	Trimmers On:	Length Inches	Width Inches	Your Price
3F7284	1	Left	1¼	2¼	57c
3F7285	2	Left	2¼	3¼	88c
3F7283	3	Left	3¼	3¼	$1.32



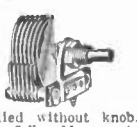
Single Gang Condensers

Low Minimum

Cadmium plated. End plate 3⅛x2⅛". Heavy aluminum plates. Wiping phosphor bronze rotor connections. Shielded minimum compensators with grounded adjusting screw. Steel shaft ⅜ inch diameter—ball bearings.

Stock Number	Cap. Mfd.	Plates	Your Price Each
3F7250	.0001	6	57c
3F7252	.00025	12	
3F7253	.00036	17	
3F7254	.00046	21	

Compensating Neutralizing Condensers



For use in circuits where a small, variable capacity is needed for neutralizing, compensating or as a vernier or balancing condenser. Fine quality. Excellent design and construction. Rugged. Accurate. Aluminum plates. Supplied without knob. Shaft, diameter 1¼", extends ⅞". Mounts in single ⅜" hole, on any panel not over ¼" thick. Overall size opened up—1⅝" high; 1⅝" wide; 1⅜" deep.

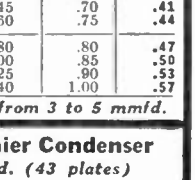
Stock Number	Plates	Max. Cap. Mmfd.	List Price	Your Price
3E7301	3	15	$0.60	$0.35
3E7302	5	30	.65	.38
3E7303	7	45	.70	.41
3E7304	9	60	.75	.44
3E7255	11	80	.80	.47
3E7256	15	100	.85	.50
3E7257	18	125	.90	.53
3E7258	20	140	1.00	.57

Minimum Capacities from 3 to 5 mmfd.

Thordarson Vernier Condenser

Capacity .001 Mfd. (43 plates)

3D7307
List Price, $4.50.
YOUR PRICE . **39c**



Completely shielded against body capacity. Dust shield protects plate. Double cone adjustable metal bearing. Bearing secured directly to the shielding base plate without any dielectric. Hard rubber insulation is used throughout. Lowest possible zero capacity. Supplied complete with vernier adjustment, knob and dial. Drilling template included.

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World Radio History

Exact Duplicate Replacement Condenser Blocks

Fully Guaranteed — Only New High Quality Materials Used

For ATWATER KENT Condenser Blocks

Models 37 and 38 Including Chokes

3F9450— YOUR PRICE **$3.39**

Contains 3 mfd. filter block and 3 chokes, two high voltage filter chokes and one speaker choke. Six color coded insulated 6" leads and ground terminal. Size 5x1⅛x3¼".

Part No. 9497 for Models 37, 38, 39, 40, 42, 46, 52

.25-.25-.25 mfd. bypass condenser size 3x2⅜x½. Three leads.

3F9451—List, $1.50. YOUR PRICE ..... **59¢**

Speaker By-Pass Condenser

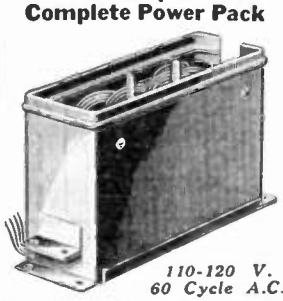
A.K. Part Number 14902

For Models 37, 38, 40, 42 44 and 46

3F9453—List Price, 75c. YOUR PRICE ..... **44¢**

Exactly duplicates the original condenser used in the above sets. Guaranteed to fit exactly. Capacity 0.3 Mfd., 450 volts. Size overall 3⅛" long, 1¼" wide, ⅝" thick. Mounting flange extends ⅛" from side of metal case and has 1½" mounting centers. Condenser is thoroughly sealed in a metal case.

For ATWATER KENT Exact Duplicate Complete Power Pack



110-120 V. 60 Cycle A.C.

No refitting or redrilling necessary to install these exact Duplicate Power Units. They match the electrical and physical specifications of the original in every detail. Includes: power transformer, chokes and condensers in a strong durable enameled metal container. Diagram supplied.

For Models 40, 40F, 42, 42F, 44, 44F, 45, 52, 56 and 57

3J9454—List, $16.88. YOUR PRICE **$9.84**

3F9455—Condenser only for the above complete power pack. List, $3.00. YOUR PRICE **$1.47**

For Models 43, 46, 47, and 53 Complete Power Pack

Power Transformer, Condenser, Choke and output transformer.

3J9456—List, $20.88. YOUR PRICE **$10.80**

3F9457—Condenser only for the above complete assembly. List, $6.06. YOUR PRICE **$3.50**

For CLARION Condenser Blocks

3J9493—Model 60 A.C.

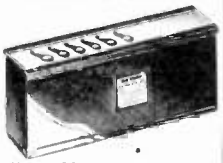
3J9494—Model 40

3J9495—Model 220 YOUR PRICE **$6.41**

3J9496—Model 260 YOUR PRICE, ea. **$5.35**

For MAJESTIC Condenser Blocks

Models 7P6 8P6 9P6



Exact duplicate Majestic replacement condenser blocks. Built to the original specifications they fit exactly and will give better service due to increased safety factors. All terminals plainly marked.

Part No. 7P6 for Model 70

Total 9 mfd. Five lug terminals. Container 9x1x2¼ inches.

3J9458—List, $9.00. YOUR PRICE **$1.74**

Part No. 8P6 for Model 180 8P3 and 8P6 Power Packs

Total 9 mfd. Six lug terminals. Container 9x4x2¼ inches.

3J9459—List, $12.00. YOUR PRICE **$3.45**

Part No. 9P6 for Model 90

Total 7 mfd. Six lug terminals. Container 9x4x2¼ inches.

3J9460—Supplied with resistors in place of chokes. YOUR PRICE **$1.85**

3J9497—Supplied with chokes—reduces hum. YOUR PRICE **$3.27**

Series 20

Total 6.1 Mfd. Ten lug terminals. Container size 7¾x4⅜x2½ inches. Includes condensers, choke and input transformer.

3J9461— YOUR PRICE **$6.48**

Series 30

Total 7.135 Mfd. Nine leads. Includes condensers, choke and resistor. Container size 7½x3¾x3¼ inches.

3J9462— YOUR PRICE **$6.00**

Series 50

Total 8.1 Mfd. Six leads. Container size 6⅛x4x2½ inches.

3F9463—List, $4.50. YOUR PRICE **$2.20**

90B and 100B

Total 7 Mfd. Five leads. Container size 6½x4⅜x2½ inches.

3J9465— YOUR PRICE **$2.95**

130A and 230A

Total 6 Mfd. Four leads. Container size 6½x4⅜x2½ inches.

3J9466—List, $6.00. YOUR PRICE **$2.50**

For PHILCO Condenser Blocks

Model 87 Part 3401

3F9467— YOUR PRICE **$2.45**

Exact duplicate of original part.

Total 8.21 Mfd. Ten terminals. Container size 5⅛x4¼x2¾ inches.

Model 20

Total 5.1 Mfd. Six terminals. Container size 5⅛x2¾x2¼ inches.

3F9468—List, $4.50. YOUR PRICE **$2.20**

Model 65

Total 6.25 Mfd. Six terminals. Container size 5⅛x4¼x2⅝ inches.

3J9469—List, $4.50. YOUR PRICE **$2.60**

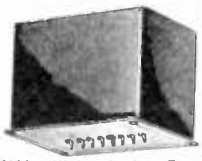
Model 76

Total 6.15 Mfd. Seven terminals. Container size 5⅛x4¼x2⅝ inches.

3J9470—List, $7.50. YOUR PRICE **$4.41**

For R. C. A. VICTOR Condenser Blocks

Models R64, 9-54, 9-18X, 9-56



Total 20 Mfd. Eight leads. Container size 5½x4⅛x2⅞ inches.

3J9471— YOUR PRICE **$7.25**

Models 17, 50

Total 14 Mfd. Seven Terminals. Container size 5⅛x3⅝x2¾ inches.

3J9472— YOUR PRICE **$4.34**

Models 44, 46, 47

Total 8.25 Mfd. Nine terminals. Container size 5⅛x3⅝x2¾ inches.

3F9473—List, $5.25. YOUR PRICE **$2.57**

Models 42, 48

Total 5 Mfd. Eleven terminals. Container size 5½x4⅛x2⅞ inches.

3F9474—List, $7.50. YOUR PRICE **$3.67**

RCA Superette

Total 3.15 Mfd. Eight terminals. Container size 3⅝x6x2½ inches.

3J9475—List, $7.50. YOUR PRICE **$1.03**

Models R-50, R-55

Total 6.1 Mfd. Eight terminals. Container size 6x3⅜x2½ inches.

3J9476—List, $6.00. YOUR PRICE **$2.75**

Models R32, RE45, RE52

Total 10.25 Mfd. Five terminals. Container size 5¾x5x4 inches.

3J9477— YOUR PRICE **$4.66**

Models R7, R9

Total 3.15 Mfd. Eight terminals. Container size 3⅝x6x2½ inches.

3J9475—List, $7.50. YOUR PRICE **$1.03**

Model R11

Total 10.6 Mfd. Fifteen terminals. Container size 6x3⅜x2½ inches.

3J9479—List, $7.50. YOUR PRICE **$3.17**

Models R8, R10

Total 20.5 Mfd. Fifteen terminals. Container size 2½x6x3⅜ inches.

3J9480— YOUR PRICE **$3.97**

For SPARTON Condenser Blocks

Model 930

Exact duplicate of the original part used in the Model 930 Sparton receivers. Total capacity 6.1 mfd. Individual sections: 3-1 mfd. 600 volt; 1-2 mfd. 600 volt; 1-1 mfd. 600 volt. Between the 1-2 mfd. 600 volt and 1-1 mfd. 600 volt sections is a .1 mfd. 600 volt by-pass condenser. Leads are insulated and color coded exactly like those on the original part. Dimensions 5¼" high, 3½" wide, 2½" deep. New merchandise and fully guaranteed.

3J9481— YOUR PRICE **$4.50**

Models AC69A, 79A, 89, and 78A

Total capacity 7⅛0 mfd. 8 color coded 10" leads. Dimensions: 5⅝" high, 3⅜" wide, 2½" deep. 2½" mounting hole centers.

3J9482— YOUR PRICE **$4.75**

Model 89A

Total 6 mfd. Five leads. Container size 7x4¾x3 inches.

3J9483—List, $12.00. YOUR PRICE **$4.16**

For SPARTON By Pass Condensers

Exact replacement for Sparton receivers—2⅜" long—1⅛" diameter. Bracket on end for 6-32 screw. Mounting lug with slot at side. Fibre case with hermetically sealed ends. Paper and foil type. 1928-31 models.

Working Volts 600

Stock Number	Cap. Mfd.	Price Each	Ten For
3F5290	.25	26c	$2.46
3F5291	.5	29c	2.75
3F5292	1.0	31c	2.94

For STEWART-WARNER Condenser Blocks

Model 900

By Pass Condensers and Chokes Total 2.75 Mfd. Ten terminals. Container size 4¼x2¼x5⅝ inches.

3F9484— List, $10.00. Your Price.. **$4.50**

Model 950

By Pass Condenser and Chokes. Total 2.75. Ten terminals. Container size 5⅝x2¼x4¼ inches.

3J9485—List, $10.00. YOUR PRICE **$4.50**

For U. S. RADIO & TELEVISION (Apex-Gloritone) Condenser Blocks

PART No. 733 for Model 41 Receiver

Total capacity 4.5 mfd. 4 insulated color coded 12" leads. Dimensions: height 5", width 2⅜", depth 2½". 4 mounting bolts at bottom, ½" long for 1¾"x1⅛" mounting hole centers.

3J9486— YOUR PRICE **$1.85**

Model 26 Apex Gloritone Part 2235

Special multiple section bypass, .1-.1-.4-.4-.4. Size 4½x2⅜x⅝. Exact duplicate of the original part. Eight insulated flexible leads and one lug terminal

3F9487—List, $3.00. YOUR PRICE **$1.69**

Models 46, 47—Part No. 975

Total capacity 5.6 mfd. 5 insulated color coded 10" leads. Appearance and dimensions exactly the same as the above filter condenser.

3J9488— YOUR PRICE **$1.70**

Model 28

Total 6 Mfd. Five terminals. Container size 4⅝x3x2½".

3F9489—List, $4.50. YOUR PRICE **$2.20**

Model 42

Total 5 Mfd. Four terminals. Container size 5x3x1⅝ inches.

3F9490—List, $5.25. YOUR PRICE **$2.57**

Model 48

Total 6 Mfd. Five terminals. Container size 5x1⅝x3 inches.

3J9491—List, $4.50. YOUR PRICE **$1.90**

Model 80, 81

Total 7 Mfd. 7 lead terminals. Container size 5x3⅜x3⅝ inches.

3J9492—List, $5.25. YOUR PRICE **$3.09**

REPLACEMENTS

If the condenser you desire is not included in our listing, send set name, model and part number or old unit and all available information. Quick shipment of a duplicate will be made at the lowest price for high quality new merchandise. Old unit will not be returned unless requested.

World Radio History

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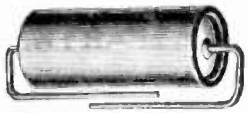
Keystone By-Pass Condensers

Tubular Condensers



These By-Pass Condensers represent an exceptional value at our new low prices. They are carefully made of the finest materials and in accordance with the most advanced principles of condenser manufacturing processes. We recommend this line to you for use wherever a strictly first-class unit at a moderate price is required. Metal foil and linen paper, wax impregnated. Hermetically sealed in tubular fibre cases. 1½ inch tinned leads, securely anchored. Approx. 2" long, ⅜" to 1⅛" Diam.

400 Volts D. C. Working Volts			600 Volts D. C. Working Volts	
Stock Num.		Cap. Mfd.	Stock Num.	
3F5400	Your Price 6c each — Ten for 55c	.0001	3F5425	Your Price 7c each — Ten for 65c
3F5401		.0002	3F5426	
3F5402		.00025	3F5427	
3F5403		.0005	3F5428	
3F5404		.001	3F5429	
3F5405		.002	3F5430	
3F5406		.003	3F5431	
3F5407		.004	3F5432	
3F5408		.005	3F5433	
3F5409		.006	3F5434	
3F5410		.007	3F5435	
3F5411		.008	3F5436	
3F5412	Your Price 7c each	.01	3F5437	Your Price 8c each
3F5413		.02	3F5438	
3F5414		.03	3F5439	
3F5415		.04	3F5440	
3F5416		.05	3F5441	
3F5417		.06	3F5442	
3F5418		.07	3F5443	
3F5419		.08	3F5444	
3F5420	8c ea.	.1	3F5445	10c ea.
3F5421	8c ea.	.2	3F5446	13c ea.
3F5422	10c ea.	.25	3F5447	15c ea.
3F5424	15c ea.	.5	3F5449	23c ea.

Multiple Tubular Condensers

Metal Foil and Linen Paper

Paraffin impregnated, hermetically sealed in fibre cases. One continuous non-inductive winding; each section remains non-inductive. 1½" bare wire common leads, 4" insulated stranded wire section leads.

400 D.C. Working Voltage

Stock Number	Container Size	Cap. Mfd. Each Sec.	Price Each
3E5460	½x1 7/16	.01-.01	12c
3E5461	½x1 7/16	.01-.01-.01	21c
3F5467	⅝x1 ¾	.05-.05	14c
3E5462	11/16x1 ¾	.1-.1	15c
3E5463	11/16x2 1/16	.1-.1-.1	26c
3E5464	13/16x2 1/16	.1-.1-.1-.1	34c
3E5465	15/16x2 1/16	.1-.1-.1-.1-.1	41c
3E5466	15/16x2 1/16	.25-.25	26c

600 D.C. Working Voltage

Stock Number	Container Size	Cap. Mfd. Each Sec.	Price Each
3E5470	1 1/16x 9/16	.01-.01	21c
3E5472	2 1/16x 12/16	.1-.1	24c
3E5473	2 1/16x15/16	.1-.1-.1	34c
3E5474	2 1/16x15/16	.1-.1-.1-.1	41c
3E5475	2 1/16x1	.1-.1-.1-.1-.1	51c
3E5476	2 1/16x1	.25-.25	34c

Special Value By-Pass and Filter Condensers

1/2 Mfd. 300V D.C.

300 V. D.C. working voltage. Metal can is 1⅞ in. wide, 2⅛ in. high, ⅝ in. deep. Three mounting hole centers 1x 2⅛x2½". Solder lug terminals are pierced, making wiring and soldering easy.

3E5490— PRICE, EACH ..... **19¢**
Lots of 10..... $1.75

Best Quality Paper Type By-Pass Condensers

Metal Cased

Popular among manufacturers, servicemen and experimenters. Will give long and satisfactory service. Hermetically sealed in metal containers. Metal foil elements. Paper insulated. Size ⅞x ¾x1 1/16 inches.

Stock Number	Capy. Mfds.	D.C. Working Volts	Your Price
3E5206	.05	400	14c
3E5200	.1	400	15c
3E5201	.25	400	19c
3E5202	.5	400	22c
3E5207	.05	600	19c
3E5203	.1	600	20c
3E5204	.25	600	22c
3E5205	.5	600	32c

By-Pass Condensers

Lugs from End

Non-inductive "paper" Condensers sealed in metal cans. Size 1 1/16x ¾x2 inches.

Stock Number	Capy. Mfds.	D.C. Working Voltage	Your Price
3E5210	1.	400	30c
3E5217*	2.	400	49c
3E5211	.5	400	24c
3E5212	.25	600	22c
3E5213	.5	600	31c
3E5214	1.	600	44c
3E5218*	2.	600	72c

*Note—Supplied in size 2"x1"x2" cans.

By-Pass Condensers

Lugs from Side

Non-inductive "paper" Condensers sealed in metal cans. Size 1 1/16x¾x2 inches.

Stock Number	Capy. Mfds.	D.C. Working Voltage	Your Price
3E5220	1.	400	30c
3E5221	.5	400	24c
3E5222	.25	600	22c
3E5223	.5	600	31c
3E5224	1.	600	44c

Combination By-Pass Condensers

Non-inductive. "paper" condensers sealed in metal cans. Small size, convenient for mounting in practically all Sets. Size 1x⅞x1⅝". Mtg. Centers 2⅛".

Stock Number	Capy. Mfds.	D.C. Working Voltage	Your Price
3E5241	.1-.1	400	26c
3E5242	.1-.1	600	31c

Combination By-Pass Condensers

Non-inductive "paper" condensers in metal cans. Size ¾x1 1/16x2 inches. Mtg. centers 2 ⅜ and 1⅜ inches. Size is convenient for mounting in practically any Set.

Stock Number	Cap. Mfd.	D. C. Volts	Your Price
3E5230	.1-.1	400	27c
3E5231	.1-.1-.1	400	36c
3E5240	.1-.1-.1-.1	400	52c
3E5232	.25-.25	400	32c
3E5233	.25-.25-.25	400	49c
3E5234	.5-.5	400	39c
3E5235	.1-.1	600	37c
3E5236	.1-.1-.1	600	42c
3E5237	.25-.25	600	38c
3E5238	.25-.25-.25	600	49c
3E5239	.5-.5	600	52c

Potter By-Pass Condensers

Metal Case By-Pass *with Lugs*

Compact, non-inductive units in metal cans. Designed to permit large capacities and high voltages in a minimum space. High resistance paper dielectric, chemically impregnated. Size of can ⅞x¾x1 1/16 inches. Mounting centers, 2⅛ inches.

Stock Num.	Code Num.	Cap. Mfd.	D. C. Work. Volt.	Your Price
3E5030	A-401	.1	400	24c
3E5031	A-402	.25	400	27c
3E5032	A-403	.5	400	33c
3E5033	A-601	.1	600	27c
3E5034	A-602	.25	600	32c

By-Pass and Filter Condensers with End Lugs

Non-Inductive

Type A. Size: 1 1/16x ¾x2 inches. Mtg. Hole centers 1 1/16 and 2 1/16 inches.

Stock Num.	Code Num.	Cap. Mfd.	D. C. Work. Volt.	Your Price
3E5040	A-404	1.	400	44c
3E5041	A-403	.5	400	33c
3E5042	A-602	.25	400	27c
3E5043	A-603	.5	600	39c
3E5044	A-1002	.25	600	32c

By-Pass and Filter with Side Lugs

Non-Inductive

Type AA. Size 1 1/16x ¾x2 inches (same size as Crosley RF by-pass condensers). Mtg. centers 2 1/16 inches.

Stock Num.	Code Num.	Cap. Mfd.	D. C. Work. Volt.	Your Price
3E5050	AA-104	1.	400	44c
3E5051	AA-203	.5	400	33c
3E5052	AA-302	.25	400	27c
3E5053	AA-303	.5	600	39c
3E5054	AA-402	.25	600	32c

Cub Condensers

3" Leads, 2⅜" Long, ⅛" to 1¾" Diam.

New, improved fibre casing, having metal ferrules which seal the ends of the condenser. Non-Inductive.

Stock Number	Cap. Mfd.	Volts	Your Price
3E5500	.0001	600	EACH 12c
3E5501	.00025	600	
3E5502	.0005	600	
3E5503	.001	600	
3E5504	.002	600	
3E5505	.004	600	
3E5506	.005	600	TEN FOR $1.10
3E5507	.006	600	
3E5508	.0075	600	
3E5509	.01	600	
3E5510	.02	600	
3E5511	.05	400	
3E5512	.1	400	15c
3E5513	.1	600	17c
3E5515	.25	400	20c
3P3520	.25	600	22c
3E5517	.5	400	23c
3F5521	.5	600	30c
3E5518	1.	200	30c
3E5519	1.	400	37c

CUB Combination By-Pass Condensers

2½" Leads, 2⅜" Long, ½" to 1" Diam.

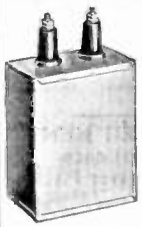
Stock Numer	Cap. Mfd.	Working Volts	Your Price
3E5530	.01-.01	400	20c
3E5522	.05-.05	400	25c
3E5526	.1-.1	400	27c
3E5523	.25-.25	400	42c

Master By-Pass

Easily wired in circuit. 2-inch securely anchored tinned wire leads. Covered with a tough durable "rubberwax" insulation. Moisture proof. 1⅛" to 2½" Long. ⅝" to 1¼" Diam.

Stock Number	Capacity Mfd.	D. C. Working Voltage	Your Price
3D5000	.001	400	12c EACH
3D5001	.002	400	
3D5002	.004	400	
3D5003	.006	400	
3D5004	.006	600	
3D5005	.01	400	14c
3D5006	.01	600	14c
3D5007	.02	400	14c
3D5008	.02	600	17c
3D5009	.05	400	17c
3D5010	.05	600	19c
3D5011	1/10	200	15c
3D5012	1/10	300	19c
3D5013	1/10	400	20c
3D5014	1/10	600	30c
3D5015	¼	200	19c
3D5016	¼	400	27c
3D5017	½	200	24c
3D5018	½	300	30c
3D5019	½	400	30c
3D5020	1.	200	31c

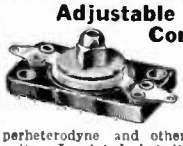
High Voltage Condensers



Pure linen paper and aluminum foil type condensers. Oil saturated. Wax impregnated. Housed in aluminum finished metal containers. Double porcelain insulators thoroughly insulate screw bolt connections. Made of high quality new materials, R.M.A. voltage ratings. Fully guaranteed.

Stock Number	Cap. Mfd.	Work Volts	Your Price
3F5293	1	1000	$1.03
3F5294	1	1500	1.32
3F5295	1	2000	1.71
3F5296	2	1000	1.47
3F5297	2	2000	2.35

Adjustable Mica Condensers



For equalizing or balancing variable condenser sections in superheterodyne and other critical circuits. Insulated bakelite base; size ⅞x1⅛ inches.

Stock Num.	Cap. Mmfds. Min.	Max.	List Price	Your Price
3C5635	5	25	50c	16c
3C5636	5	50		
3C5637	5	100		
3C5638	75	250	75c	27c Ea.
3C5639	75	350		

Special Value Tubular Condensers

Paper and Foil Type

Wax impregnated. Tubular fibre cases. 1½" wire leads. 2⅛" Long. ¼" to 1" Diam.

Stock Num.	Cap. Mfd.	Work. Volts	Your Price
3F5493	.001	600	Ten Ass't. for 29c
3F5494	.002	600	
3F5495	.004	600	
3F5450	.006	600	
3F5451	.01	600	
3F5452	.02	600	
3F5453	.05	600	10 for 39c
3F5454	.1	600	
3F5455	.25	400	6¢
3F5456	.5	400	9¢
3F5457	.25	600	8¢
3F5458	.5	600	12¢
3F5459	1.0	600	17¢

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Moulded Bakelite Condensers

Micamold-Aerovox-Polymet
SOLAR-CONCOURSE
Tested at 750 Volts D.C.

Case Size ¾" Square.

Stock Numbers Pigtail	Lug	Cap. Mfd.	Your Price
3F5548	3F5536	.000025	EACH 8c
3F5549	3F5537	.00004	
3F5550	3F5538	.00005	
3F5551	3F5540	.0001	
3F5552	3F5541	.00015	
3F5553	3F5542	.0002	
3F5554	3F5543	.00025	PER DOZ. 85c
3F5555	3F5544	.0003	
3F5556	3F5546	.0004	
3F5557	3F5545	.0005	
3F5558	3F5547	.00075	
3F5559	3F5565	.001	
3F5560	3F5566	.0015	EACH 12 PER DOZ. $1.30
3F5561	3F5567	.002	
3F5562	3F5568	.0025	
3F5563	3F5569	.003	
3F5564	3F5570	.004	

Combination Mounting

Midget Type

Case size 1¾" long 1⅜" wide. Lug centers 1⅜". Insulated mounting hole centers in case 1¼".

Stock Number	Cap. Mfd.	List Price	Your Price
3F5575	.0001	30c	EACH 8c Per Doz. 85c
3F5576	.00025	30c	
3F5577	.00035	30c	
3F5578	.0005	30c	
3F5579	.00075	35c	
3F5580	.001	35c	
3F5581	.0015	35c	12c
3F5582	.002	40c	12c
3F5583	.0025	45c	12c
3F5584	.003	50c	13c
3F5585	.004	50c	14c
3F5586	.005	50c	15c
3F5587	.006	60c	19c
3F5589	.01	70c	33c

Standard Type

Case Size 1⅝" long, 1⅛" wide. Lug centers 1¾".

Stock Number	Cap. Mfd.	List Price	Your Price
3C5597	.01	1.00	35c
3C5598	*.015	1.10	45c
3C5599	*.02	1.25	54c

*Note—Case size 17/16" square.

Bargain

Mica Condenser Kit

25 Units—Assorted Sizes

Consists of 25 assorted types and values of mica condensers from .000025 to .002 Mfd. Many popular capacities included in this kit. This is an outstanding value.

3F5600—YOUR PRICE Per Kit (25 Units) ..... **62¢**

R.M.A. Standard Mica Condenser Color Code

Capacity of Mica Condensers is figured in terms of Micro-Microfarads. The first dot appearing on the condenser represents the first figure of the capacity; the second dot represents the second figure and the third dot represents the number of ciphers following the first two figures.

The Code

Color	Figure	Color	Figure
Black	0	Green	5
Brown	1	Blue	6
Red	2	Violet	7
Orange	3	Gray	8
Yellow	4	White	9

Examples Illustrating the Standard

Decimals.	MMFDS	1st. Dot	2nd. Dot	3rd. Dot
.0001	100	Brown	Black	Brown
.00025	250	Red	Green	Brown
.0005	500	Green	Black	Brown
.001	1000	Brown	Black	Red

Sangamo Mica Condensers

Molded in smooth brown bakelite. Extremely fine limits of accuracy. Will retain their capacity under all conditions. Absolutely water and damp proof. 1000 v. D.C. Test

Stock Number	Cap. Mfd.	List Price	Your Price
3F5605	.00005	$0.40	Ea. 24c
3F5607	.0001	.40	
3F5609	.0002	.40	
3F5610	.00025	.40	
3F5612	.0005	.40	
3F5613	.001	.50	29c
3F5614	.0015	.50	29c
3F5615	.002	.50	29c
3F5617	.003	.60	35c
3F5618	.004	.60	35c
3F5619	.005	.70	41c
3F5620	.006	.85	50c
3F5621	.008	1.00	59c
3F5622	.01	1.15	68c
3F5623	.015	1.25	73c
3J5604	.02	1.85	1.09
3J5606	.025	2.30	1.35
3J5608	.05	3.85	2.26

Condensers Resistor Clips

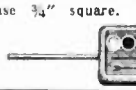
For mounting grid leak Resistors across Sangamo Condensers.

3E5629—PER PAIR ..... **6¢**

Sangamo Pigtail Type

Moulded Mica Condensers

Case ¾" square. 1¼" wire leads.



Stock Number	Cap. Mfd.	List Price	Your Price
3F5624	.00005	15c	9c
3F5625	.0001	15c	9c
3F5626	.00025	20c	12c
3F5627	.0005	20c	12c
3F5628	.001	25c	15c
3F5630	.002	35c	21c

Filter or By-Pass

1 Mfd.
300 Volts

Metal can size 1⅞ in. wide, 1⅝ in. high, ⅝ in. deep.

3C5491
YOUR PRICE, EACH..... 19¢
Lots of 10..... $1.70

Small Ribbed Aluminum Container

8 Mfd. Dry Electrolytic Condenser

450 D.C. Working Volts
600 Volt D.C. Peak

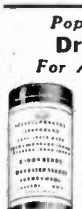
Corrugated surface provides a greater heat dissipating area for cooler operation and higher efficiency. A small container and higher working voltage are possible with this unique design. For single ¾" hole mounting. Container negative. Size: 3⅛" high, 1⅜" diam.

3J5395—List, $1.10.
YOUR PRICE ..... 55¢
Ten for $5.00

Popular Replacement

Dry Electrolytics

For A.C., D.C. Receivers



10-10 Mfd., 175 Work Volts
10-10 Mfd., 50 Work Volts
Common Negative Lead

A tubular spade bolt mounting dry electrolytic condenser. Exactly duplicates the original condenser used in many makes of A.C., D.C. Midget Receivers. Tubular cardboard container. Size: 3¼" high, 1⅜" diam. Mounting centers from 1¼" to 1⅜". 5 leads. 1 lead is a common negative to all sections.

3F5396—List, $2.00.
YOUR PRICE ..... 80¢
Ten for $7.60

Continental—Igrad
High Voltage Paper Condensers

To Replace Electrolytic Units

High quality paper condensers that exactly duplicate the size and appearance of electrolytic condensers. Many servicemen actually prefer a paper dielectric bypass or filter condenser. Although the actual paper condenser capacity is 60% of the recommended replacement value given, these condensers make satisfactory replacements due to improved filter action. High voltage rating and great resistance to heat are some of the advantages they offer.

Single and Dual Sections

Cardboard Containers

For replacing defective electrolytics of the values specified below. Cardboard containers are identical in size and appearance to electrolytic units. 6" long heavy insulated leads. All single units have 1 Pos., and 1 Neg., lead. Dual units have 2 Pos., and 2 Neg., leads. Non-Inductive.

600 D.C. Peak Volts
475 D.C. Working Volts

3F7785	2	4⅛x1⅜x1 1/16	38c
3F7786	4	4⅛x1⅜x1 9/16	44c
3F7787	8	4¼x1⅜x1⅝	56c
3F7788	4-4	4⅛x1⅜x1½	73c
3F7789	4-8	4⅛x1⅜x1¾	85c
3F7790	8-8	4¼x1⅜x2 1/16	94c

1000 D.C. Peak Volts
600 D.C. Working Volts

Stock Number	Cap. Mfd.	Size L. W. D.	Your Price
3F8903	2	4 1/16x1⅜x 1 1/16	$0.50
3F8904	4	4 1/16x1⅜x 1 9/16	.59
3F8906	8	4 1/16x1⅜x1 1/16	.79
3F8907	4-4	4 1/16x1⅜x1 1/2	.97
3F8908	8-8	4 1/16x1⅜x2 1/16	1.29

Inverted Stud Mounting

Aluminum Container

To replace electrolytics. Identical in size and appearance to standard electrolytics in the aluminum can. Neutral container 6" long Insulated leads. All single units have 1 Pos., and 1 Neg., lead. Dual units have 2 Pos., and 2 Neg., leads. Non-Inductive. If grounded container is desired the negative lead may be connected directly to the chassis. Excellent for replacement purposes and for new sets.

600 D.C. Peak Volts
475 D.C. Working Volts

3F7791	4	1⅝x4⅜	$0.55
3F7792	8	1⅝x4⅜	.68
3F7793	4-4	1⅝x4⅜	.95
3F7794	8-8	1⅝x4⅜	1.19

1000 D.C. Peak Volts
600 D.C. Working Volts

Stock Number	Cap. Mfd.	Size Diam. H.	Your Price
3F8912	4	1⅝x4⅜	$0.73
3F8913	8	1⅝x4⅜	.88
3F8914	8-8	1⅝x4⅜	1.40

Universal Upright Replacements

Aluminum Cases

For replacing wet or dry Electrolytics. Round aluminum cans. Same size and appearance as standard electrolytics. Container is common negative for all sections. Fits standard ring Mtg. clamps. Hex. nut terminals Non-inductive.

600 D.C. Peak Volts
475 D.C. Working Volts

3F7795	8-8	2½x4⅛	$1.18
3F7796	5-15	2½x4⅛	1.76
3F7798	8-8-8	3 x4⅛	1.91

1000 D.C. Peak Volts
600 D.C. Working Volts

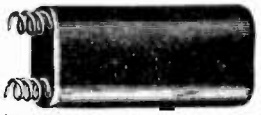
Stock Num.	Cap. Mfd.	Size Diam. H.	Your Price
3F8923	8-8	2½x4⅛	$1.41
3F8924	5-15	2½x4⅛	2.29
3F8926	8-8-8	3 x4⅛	2.44

Cardboard Cased Condensers

Consists of a wax sealed paper dielectric condenser section housed in a wax impregnated cardboard box which protects wax coating around condenser sections and prevents deterioration and damage when not used with mounting straps. Chipping and resultant short circuits are eliminated. Six inch insulated leads. Standard R.M.A. guarantee.

Stock Number	Cap. Mfd.	Dimensions In. L.	W.	D.	Your Price
200 D. C. Working Voltage					
3F5300	1.0	3	x1 3/16	x 9/16	.19
3F5301	2.0	3	x1 13/16	x ⅞	.29
400 D. C. Working Voltage					
3F5313	.25	2 1/16	x1¾	x⅝	.17
3F5302	.5	3	x1 5/16	x 9/16	.19
3F5303	1.0	3	x1 13/16	x ⅞	.29
3F5304	2.0	3	x27/16	x1 5/16	.54
600 D. C. Working Voltage					
3F5314	.1	2 1/16	x1 5/16	x⅝	.22
3F5315	.25	2 9/16	x1 5/16	x⅝	.27
3F5305	.5	3	x1 13/16	x ⅞	.32
3F5306	1.0	3	x27/16	x1 5/16	.46
3F5307	2.0	4 1/16	x2 1/16	x1¾	.73
3F5316	4.	4	x2x1¾		1.47
800 D. C. Working Voltage					
3F5308	.5	3	x27/16	x1 5/16	.39
3F5309	1.0	4 1/16	x2 1/16	x1¼	.59
1000 D. C. Working Voltage					
3F5317	.1	2 1/16	x1 3/16	x⅝	.29
3F5310	.5	4	x2	x¾	.53
3F5311	1.0	4 1/16	x2 1/16	x1¼	.79
3F5312	2.0	4 1/16	x2 1/16	x2 1/16	1.32

Uncased Replacement Condenser Sections



Wax-sealed, paper dielectric. Guaranteed for one full year—free replacement when used under proper conditions. Scientifically designed, carefully built. Safety factor in excess of that required to withstand both R. M. A. and N. E. M. A. retest requirements. Pure linen paper dielectric.

"HANG-UP" TYPE

Compound Coated with 8 inch leads of tinned "push back" wire:

300 D. C. Working Voltage

Stock No.	Capacity Mfd.	Size In.	Price Each
3C5250	½	2¾x⅝x¼	12c
3C5251	1	2¾x⅝x⅜	18c
3C5252	2	2¾x1x1½	29c

500 D. C. Working Voltage

Stock No.	Capacity Mfd.	Size In.	Price Each
3C5253	½	2¾x⅝x⅜	19c
3C5254	1	2¾x1 1/2x¾	29c
3C5255	2	2¾x2¼x⅞	54c

600 D. C. Working Voltage

Stock No.	Capacity Mfd.	Size In.	Price Each
3C5256	½	2⅞x⅞x1½	28c
3C5257	1	2⅞x2x3½	36c
3C5258	2	2⅞x2¼x⅞	50c

1000 D. C. Working Voltage

Stock No.	Capacity Mfd.	Size In.	Price Each
3C5261	1	4x2¼x1⅝	$0.75
3C5262	2	4x2¼x1½	1.22

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New Improved

Individual Handy Units

Type E.C. Small enough to be taped in pairs and occupy less space than original double units.

Continuous Working Voltage-475 Volts
Maximum Surge Voltage-600 Volts

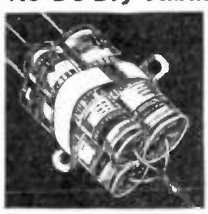
Stock Number	Cap. Mfd.	Size in Inches	List Price	Your Price
3F8452	1	2⅞ x1 1/16 x 9/16	.85	$0.50
3F8453	2	2⅞ x1 1/16 x 9/16	.95	.56
3F8454	4	2⅞ x1 1/16 x1 1/16	1.15	.68
3F8456	8	2⅞ x1 1/16 x1 3/16	1.35	.79

High Capacity, Low Voltage Cardboard Cased Condensers

Tubular type, with pigtail leads color-coded. Designed to stand high temperatures. Dry Electrolytic. Sprague type H.C.

Stock No.	Cap. Mfd.	D.C. Volts	Length & Dia. Inches	List Price	Your Price
3J8436	5	25	2⅜ L. x ⅝ D.	$0.50	$0.29
3F8457	10	25	2½ x 11/16	.50	.29
3F8458	10	50	2½ x 11/16	.65	.38
3F8459	25	25	2½ x 13/16	.65	.38
3F8460	25	50	2⅜ x1 1/16	.80	.47
3F8463	10-10	25	2½ x1	.75	.44
In rectangular packages for A.C.-D.C. sets					
3F8461	4-4	150	2⅜ x1 1/16 x1 3/16	$0.85	$0.50
3F8462	5-5	50	2⅜ x1 1/16 x 9/16	.75	.44

AC-DC Dry Tubular Electrolytics



Similar in appearance to above Units. Universally used in present receivers which operate directly from the line without a step-up power transformer. Will withstand high temperature of a midget A.C-D.C receiver. Pigtail leads of covered push-back wire. Cut shows Three Tubulars connected with strap.

Stock No.	Mfg. No.	Cap. Mfd.	Volts	List Price	Your Price
3F8470	ST-22	2	200	$0.60	$0.35
3F8471	ST-42	4	200	.65	.38
3F8472	ST-82	8	200	.80	.47
3F8473	ST-122	12	200	.95	.56
3F8474	ST-162	16	200	1.05	.62
3J8437	ST-252	25	200	1.25	.74
3F8476	ST-81	8	100	.75	.44
3F8477	ST-121	12	100	.90	.53
3F8488	ST-44	4-4	200	.90	.53
3F8489	ST-88	8-8	200	1.15	.68
3F8490	ST-88	8-8	200	1.25	.74
3F8439	ST-812	8-12	200	1.40	.82
3F8440	ST-816	8-16	200	1.50	.88

Sprague Midgets

Non-Inductive. Mounting hole centers 2 inches.

TEST VOLTAGE—1000 VOLTS

Stock Number	Cap. Mfd.	Your Price	Stock Number	Cap. Mfd.	Your Price
3F7715	.0001	$0.15	3F7722	.006	$0.15
3F7716	.00025	.15	3F7723	.01	.15
3F7718	.0005	.15	3F7724	.02	.18
3F7719	.001	.15	3F7725	.05	.10
3F7720	.004	.15	3F7726	.06	.21
3F7721	.005	.15	3F7727	.1	.21

"Standard" Dry Electrolytics

450 V. Working—525 V. Peak

Standard size cardboard case condensers, of high quality. Case has mounting flanges with metal rimmed holes which may be clipped off if desired. Insulated push-back wire leads. Multiple units have common negative leads.

Stock Number	Cap. Mfd.	Size Inches	List Price	Your Price
3J8520	2	2⅜ x1 1/16 x1 1/16	$0.65	$0.39
3J8521	4	4 1/16 x1 1/16 x ¾	.75	.45
3J8522	6	4 1/16 x1 1/16 x1	.90	.54
3J8523	8	4 1/16 x1 1/16 x1	.95	.57
3J8524	10	4 1/16 x1 1/16 x1 3/16	1.15	.69
3J8528	12	4 1/16 x1 1/16 x1 3/16	1.30	.78
3J8529	16	4 1/16 x1 1/16 x1 3/16	1.45	.85
3J8530	8-8	4 1/16 x1 1/16 x1 3/16	1.50	.90
3J8531	4-4-4	4 1/16 x1 1/16 x1 3/16	1.80	1.08
3J8532	8-8-8	4 1/16 x1 1/16 x1 3/16	2.20	1.32
Dual Section—4 Leads				
3J8533	4-4	4 1/16 x1 1/16 x1	1.20	.72
3J8534	4-8	4 1/16 x1 1/16 x1 3/16	1.35	.81
3J8535	8-8	4 1/16 x1 5/16 x1 3/16	1.50	.90

SPRAGUE 600 LINE

Dry and Wet Electrolytics (E.C.)

In Cylindrical Aluminum Cans

Dry—Mount In Any Position

475 V. Working—600 V. Peak

Stock Number	Cap. Mfd.	Dia. Hgt., In.	List Price	Your Price
3F7656	4	1 x3 1/16	$1.25	$0.73
3F7657	6	1 x4 7/16	1.45	.85
3F7658	8	1 1/16 x4 7/16	1.50	.88
3F7659	10	1 1/16 x4 7/16	1.80	1.06
3F7660	12	1 1/16 x4 7/16	2.05	1.21
3F7661	16	1 1/16 x4 7/16	2.30	1.35
DRY—Multiple Section Single Can				
3F7662	8-8	1 3/16 x4 7/16	$2.40	$1.41
3F7664	8-8-8	3 x4 1/16	4.00	2.35
3F7665	5-15	2 1/16 x4 1/16	3.35	1.96
DRY—Inverted Screw Mtg. Type S.C.				
3F7671	4	1 x3	$1.25	$0.73
3F7672	6	1 x4 1/16	1.45	.85
3F7673	8	1 1/16 x4 7/16	1.50	.88
3F7674	8-8	1 1/16 x4 7/16	2.40	1.41
3F7694	8-8	4 leads	2.40	1.41
WET—500 Volt D.C. Peak—Type W.C.				
3F8467	8	1 x4 1/16	$0.95	$0.56
3F8469	12	1 1/16 x4 1/16	1.15	.68
3F8438	18	1 1/16 x4 1/16	1.50	.90

Metal Cased By-Pass Condensers

400 Volt Working
600 Volt Peak

Enclosed in drawn metal case. Moisture and heat proof impregnation. Tinned lugs provide easy soldering.

Stock No.	Cap. Mfd.	Dimensions in Inches	Mtg. Cen.	List Price	Your Price
3F7686	0.1	1 3/16 x 15/16 x 13/16	2 1/16	$0.50	$0.29
3F7687	0.25	1 5/16 x 1 5/16 x 13/16	2 1/16	.60	.35
3F7688	0.5	2 x ¾ x 13/16	2 5/16	.75	.44
3F7689	1.0	2 x1 ¾ x1	2 5/16	1.00	.59
3F7690	.1-.1	1 3/16 x 15/16 x 13/16	2 1/16	.65	.38
3F7691	.25-.25	2 x ¾ x1 3/16	2 5/16	.80	.47
3F7692	.5-.5	2 x1 ¾ x1	2 5/16	1.00	.59
3F7693	.1-.1-.1	2 x ¾ x1 3/16	2 5/16	.85	.50
3J8536	.1-.1-.1-.1	2 x1 x1 5/16	2 5/16	1.10	.65

SPRAGUE 450 LINE

Dry Electrolytics

450 V. Working
525 V. Peak

Cased in round aluminum containers. Can be mounted in any position. Stud mounting condensers are unusually small, adaptable for compact receivers.

Stud Mounting

Stock Number	Cap. Mfd.	Size Inches	List Price	Your Price
3J8537	4	3 x1	$0.85	$0.51
3J8538	8	4 1/16 x1 1/16	1.05	.63
3J8539	12	4 1/16 x1 1/16	1.40	.84
3J8540	16	4 1/16 x1 1/16	1.55	.93
3J8541	4-4*	4 1/16 x1 1/16	1.30	.78
3J8542	8-8*	4 1/16 x2 1/16	1.60	.96
Upright Containers				
3J8543	5-15	4 1/16 x2 1/16	2.30	1.38
3J8544	8-8	4 1/16 x2 1/16	1.80	1.08
3J8545	8-16	4 1/16 x3	2.35	1.41
3J8546	8-8-8	4 1/16 x3	2.70	1.62
3J8547	9-9-18	4 1/16 x3	3.75	2.25

*Supplied with 4 insulated wire leads.

Dry D. C. Cardboard Cased Condensers

With special mounting flanges and tinned push-back insulated leads. All dual condensers have a common negative with the exception of the 4 lead units, which have two negative and two positive leads.

Continuous Working Voltage—475 Volts
Maximum Surge Voltage—600 Volts.

Stock Number	Cap. Mfd.	Size in Inches	List Price	Your Price
3F7675	2	2⅜ x1 1/16 x1 1/16	$0.95	$0.56
3F7676	4	4 1/16 x1 1/16 x ¾	1.15	.68
3F7677	6	4 1/16 x1 1/16 x1	1.30	.76
3F7678	8	4 1/16 x1 3/16 x1	1.35	.79
3F7679	2-4	4 1/16 x1 5/16 x1	1.65	.97
3F7680	4-4	4 1/16 x1 5/16 x1	1.80	1.06
3F7681	4-6	4 1/16 x1 9/16 x1 5/16	1.95	1.15
3F7682	4-8	4 1/16 x1 9/16 x1 5/16	2.00	1.18
3F7683	6-6	4 1/16 x1 9/16 x1 5/16	2.15	1.26
3F7684	6-8	4 1/16 x1 9/16 x1 5/16	2.20	1.29
3F7685	8-8	4 1/16 x1 9/16 x1 5/16	2.20	1.29
3F7653	8-8	4 leads	2.20	1.29
3F7654	4-4	4 leads	1.80	1.06

SPECIAL REPLACEMENTS

Housed in aluminized cardboard casings.

Stock No.	Mfg. No.	Cap. Mfd.	D. C. Volts	Size Inches	List Price	Your Price
3F8480	CM-88	8-8	25-200	2 1/16 x1 1/16 x1 1/16	$1.15	$0.68
3F8481	RM-44*	4-4	140	3 1/16 x1 1/16 D.	1.05	.63
3F8482	RM-55*	5-5	35	2 1/16 x 1 1/16 D.	.85	.51
3F8483	CM-55	5-5	25-200	2 1/16 x1 1/16 x1 1/16	1.05	.62
3F8484	DM-44	4-4	450-150	3 1/16 x1 1/16 x1	1.45	.87
3F8485	CM-68	6-8	300-25	2 1/16 x1 1/16 x1	1.10	.65
3F8486	KM-888	8-8-8	150	3 1/16 x1 1/16 x1 1/16	1.75	1.03
3F8479	R-55	5-5	25	1 1/16 x1 1/16 x1 1/16	.75	.44

*These numbers are in tubular containers.

Small Tubular Cartridge By-Pass

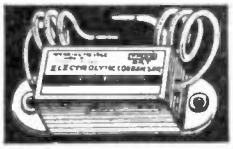
Non-Inductive
600 Working Voltage. Test Voltage 1200.

Sprague's small tubular condensers are the most compact 600 volt condensers on the market. Made for use in spaces no other condenser of equal capacity and rating will fit. Impregnated moisture proof tube with ferruled caps and secured pigtail leads.

Stock Number	Cap. Mfd.	Length & Dia. in Inches	List Price	Your Price
3F7695	.0001	13/16 L. x 5/16 D.	$0.25	
3F7696	.00025	5/8 x 5/16	.25	
3F7697	.0004	3/4 x 5/16	.25	
3F7698	.0005	13/16 x 5/16	.25	
3F7699	.001	15/16 x 5/16	.25	Each
3F7700	.002	15/16 x 5/16	.25	**15c**
3F7701	.003	1 x 5/16	.25	
3F7702	.004	1 x 5/16	.25	
3F7703	.005	1 1/16 x 5/16	.25	
3F7704	.006	1 1/16 x 7/16	.25	
3F7705	.01	1 1/16 x 7/16	.25	
3F7706	.02	1 1/16 x 7/16	.30	Each
3F7712	.03	1 1/16 x 7/16	.30	**18c**
3F7713	.04	1 1/16 x 7/16	.30	
3F7707	.05	1 1/16 x 7/16	.30	
3F7708	.06	1 5/16 x 7/16	.35	.21
3F7709	.1	1 1/16 x 7/16	.35	.21
3F7710	.25	1 3/16 x 3/4	.45	.27
3F7711	.5	1 3/16 x 3/4	.60	.36
3J7714	1.0	2 x1	1.00	.59

"TINY MIKE" Dry Electrolytics

450 V. Working—525 V. Peak



Full capacity — Small enough to fit any space. Large enough not to over-heat. Ideal as replacement in modern receivers and for replacing uncased paper condensers that break down from moisture. Heavy cardboard case has removable mounting flanges with metal rimmed holes. Fully impregnated. Insulated leads.

Stock Number	Cap. Mfds.	Size in Inches	List Price	Your Price
3J8499	1	13/16 x1 13/16 x2 1/16	$0.55	$0.33
3J8500	2	13/16 x1 13/16 x2 1/16	.65	.39
3J8501	4	1 x1 x2 1/16	.75	.45
3J8502	6	1 1/16 x1 1/16 x2 1/16	.90	.54
3J8503	8	1 1/16 x1 1/16 x2 1/16	.95	.57
3J8504	10	1 1/16 x1 1/16 x2 1/16	1.15	.69
Dual Units—4 Leads				
3J7731	4-4	1 1/16 x1 1/16 x2 1/16	1.20	.72
3J7732	8-8	2 x1 1/16 x2 1/16	1.50	.90

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World Radio History

Uncased Replacement Condensers

Impregnated Paper Di-electric

Ideal for replacing "blown" condenser block sections in filter circuits, or power units. Conservatively rated.

400 Volt

Stock Num.	Cap. Mfd.	Dimensions Ht. Wd. D.	Your Price
3F7524	.1	2 x ⅞ x ⅝	$0.20
3F7525	.25	2 x1 x ⅞	.26
3F7526	.5	2 x1⅝ x ⅞	.30
3F7527	1.	2 x1⅜ x1⅛	.45

600 Volt

3F7531	.1	2 x1 x ⅝	$0.25
3F7532	.25	2 x1⅛ x ⅞	.30
3F7533	.5	2 x1⅝ x ⅞	.33
3F7534	1.	3¼x1⅜ x1⅛	.54
3F7535	2.	3¼x1⅜x1⅜	.81

1000 Volt

3F7542	.1	2 x1⅛x ½	$0.36
3F7544	1.	4⅜x2¼x1	.88

Cartridge Condensers

High quality Paper Insulation. Non-Inductive. ½" tinned wire leads.

200 Volt Stock Num.	Your Price	Capy. Mfds.	*400 Volt* Stock Num.	Your Price
3E8929	$.09	.001	3E8943	$.10
3E8930	.09	.002	3E8944	.10
3E8931	.09	.005	3E8945	.10
3E8932	.09	.006	3E7634	.10
3E8933	.09	.01	3E7635	.10
3E8934	.09	.015	3E7636	.10
3E8935	.09	.02	3E7637	.10
3E8936	.09	.03	3E7638	.10
3E8937	.10	.05	3E7639	.11
3E8938	.11	.1	3E7640	.12
3E8939	.13	.15	3E8946	.15
3E8940	.14	.25	3E7641	.20
3E8941	.21	.5	3E8947	.29
3F8894	.32	1.0	3F7630	.50
3E8942	.18	.01-.01	3E8948	.19
3F8895	.21	.05-.05	3F7631	.24
3F8896	.24	.1-.1	3F7632	.27
3F8897	.29	.25-.25	3F7633	.41

600 Volt			*1000 Volt*	
3E8949	$.10	.001	3E8953	$.12
3E7642	.10	.006	3E7648	.12
3E7644	.10	.01	3E7649	.12
3E7645	.10	.02	3E7650	.14
3E7646	.12	.05	3E7651	.21
3E7647	.15	.1	3E8955	.29
3E8951	.24	.25		
3E8952	.39	.5		
3F8915	.21	.01-.01		
3F8928	.26	.05-.05		
3F8950	.30	.1-.1		
3F8954	.50	.25-.25		

By Pass Condensers

Metal Case

Hermetically sealed. Non-inductively wound. Size 2½x1⅛x⅞". Conservatively rated.

200 Volt Stock Num.	Your Price	Capy Mfds	*400 Volt* Stock Num.	Your Price
3E8989	25¢	.05	3E7500	26¢
3E8990	27c	.1	3E7501	29¢
3E8991	33c	.25	3E7502	35¢
3E8992	41c	.5	3E7503	44¢
3E8993	38c	.1-.1	3E7504	40¢
3E8994	44¢	.25-.25		
3E8995	50¢	.1-.1-.1	3E7506	56¢
3F7508	.1	Mfd., 600 V.		35c

Type 61

Flat type metal case by-pass non-inductive condensers. Dimensions 2⅛"x1⅛" x1" high.

200 Volt Stock Num.	Your Price	Capy Mfds	400 Volt Stock Num.	Your Price
3E7625	53¢	1.0	3E7511	59¢
3E7626	59c	.5-.5	3E7512	65¢
3E7627	59c	¼-¼-¼	3F7513	71¢
3E7629	62c	.1-.1-.1-.1		
3F7622	.5	Mfd., 600 V.		56¢

AEROVOX Headquarters

Our stocks of Aerovox Condensers are large and complete. We can make prompt shipment of all items.

AEROVOX

Dry Electrolytic Condensers

525 Volt D.C. Peak—450 D.C. Working Volts

Dry self healing. Surge proof. May be mounted in any position. The latest and most advanced features in condenser design are incorporated. For all general replacement work.

Type E—Upright Mounting

Complete with mounting rings. Container Negative.

Stock Number	Capacity Each Sec.	Size Dia. Ht.	List Price	Your Price
3F7547	2	1⅜x1¾	$0.75	$0.44
3F7548	4	1⅜x2¾	.85	.50
3F7550	5-15	2⅛x4⅛	2.30	1.35
3F7552	8	1⅜x4¼	1.05	.61
3F7553	8-8	2⅛x4⅛	1.80	1.06
3F7554	8-16	2⅛x4⅛	2.75	1.62
3F7556	12	1⅜x4¼	1.60	.94
3F7564	8-8-8	3 x4⅛	2.70	1.59
3F7565	8-8-16	3 x4⅛	3.20	1.88
3F7566	9-9-18	3 x4⅛	3.75	2.20
3F7567	8-8-8-8	3 x4⅛	3.60	2.12
3F7568	8-8-16-16	3 x4⅛	4.50	2.65
3F7570	9-9-18-18	3 x4⅛	5.25	3.09

Inverted Stud Mounting Condensers

Type G-5-Grounded Stock Number	Cap. Mfd.	Size Diam. Ht.	Your Price	Type I-Insulated Stud Stock Number	Cap. Mfd.	Size Diam. Ht.	Your Price
3J7577	8	1⅜x4⅛	$0.62	3J7574	8	1⅜x4⅛	$0.61
3J7578	4-8	1⅜x4⅛	.85	3J7573	12	1⅜x4⅛	.94
3J7579	8-8	1⅜x5	.94	3J7576	16	1⅜x5⅛	1.21

Cartridge Type PR Dry Electrolytics

Mounted in cardboard tube containers. Especially desirable for by-pass circuits of standard receivers. Light and compact. 1½" tinned copper leads securely riveted to the condenser.

Single Section Condensers

25 D.C. Working Volts

Stock Number	Cap. Mfd.	Size Inches Diam. L.	Your Price
3J5118	5	⅝ x2¼	29¢
3J5119	10	⅝ x2¼	29c
3J5122	25	¾ x2¼	39¢
3J5123	50	1⅛x2¼	56¢

50 D.C. Working Volts

3J5124	5	⅝ x2¼	29c
3J5125	10	⅝ x2¼	38¢
3J5127	20	¾ x2¼	44c
3J5128	25	¾ x2¼	47¢
3J5129	50	1⅛x2¼	71¢

100 D.C. Working Volts

3J5130	5	⅝ x2¼	32¢
3J5131	10	¾ x2¼	41¢
3J5134	25	1⅛x2¼	56c

200 D.C. Working Volts

3J5140	4	¾ x2¼	38¢
3J5142	8	¾x2¼	47¢
3J5143	10	¾x2¼	53¢

450 D.C. Working Volts

3J5148	2	¾ x2¼	38¢
3J5149	4	¾x2¼	44¢
3J5153	8	1⅛x2¼	56¢

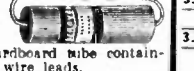
Double Section Condenser

3 Wire Leads—Common Negative

Stock Num.	Cap. Mfd.	Work Volts	Size In. Dia. L.	Your Price
3J5150	5-5	25	¾x2¼	44¢
3J5151	5-5	50	¾x2¼	47¢
3J5154	10-10	25	¾x2¼	44c

Vibrator Condensers

(Tubular Paper Type)



For use as replacements in all types of vibrator "B" power units. Cardboard tube container. 1½" tinned wire leads.

2200 D.C. Peak Volts
1600 D.C. Working Volts

Stock Number	Cap. Mfd.	Size Inches D. L.	Your Price
3J7557	.007	⅜ x1½	$0.18
3J7558	.01	⅜ x1½	.18
3J7559	.02	⅝ x2	.24
3J7560	.03	⅝ x2	.29
3J7561	.04	1⅛x2	.32
3J7562	.05	1⅛x2	.32

Inverted Mounting Electrolytics

With Leads

Dry electrolytics in aluminum containers. 6" insulated wire leads.

Single section units have two leads—one Neg. and one Pos. Double section units are provided with four leads—two Neg. and two Pos. Container is neutral.

525 Volts D.C. Peak
450 Volts D.C. Working

Type GL5—Single Sections

Stock Num.	Cap. Mfd.	Size Dia. Ht.	List Price	Your Price
3J7536	4	1⅜x3¼	$0.85	$0.50
3J7537	8	1⅜x4¼	1.05	.62

Type GGL5—Dual Sections

3J7538	4-4	1⅜x4¼	1.30	$0.76
3J7539	4-8	1⅜x5¼	1.45	.85
3J7540	8-8	1⅜x5¼	1.60	.94

Space-Saver Dry Electrolytics

For use where space is limited. High working voltage, full capacity and economical service life are not sacrificed. Encased in heavy cardboard tab type containers with 6" insulated wire leads.

Type PBS2
250 D.C. Peak Volts
200 D.C. Working Volts

Stock Num.	Cap. Mfd.	Size Inches D. W. L.	Your Price
3J8956	4	⅛ x ¾x2⅛	32c
3J8957	8	⅛x ⅛x2⅛	47c
3J8958	10	⅛x1 x2⅛	53¢
3J8959	12	⅛x1⅛x2⅛	56c
3J8960	18	⅛x1⅛x2⅛	62c

Dual Section with 4 Leads

3J8961	4-4	⅛x ¾x2⅛	53c
3J8962	4-8	⅛x ⅛x2⅛	68c
3J8966	8-8	⅛x ⅛x2⅛	73c
3J8967	8-16	⅛x1⅛x2⅛	85c

Triple Section with 6 Leads

3J8968	8-8-8	⅛x ⅛x2⅛	$1.12

Type PBS5
525 D.C. Peak Volts
450 D.C. Working Volts

3J8969	2	⅛x ¾x2⅛	38¢
3J8970	4	⅛x1 x2⅛	44¢
3J8972	6	⅛x1⅛x2⅛	53¢
3J8973	8	⅛x1⅛x2⅛	56¢
3J8978	12	⅛x1⅛x3⅛	82¢

Dual Section with 4 Leads

3J8979	4-4	⅛x1⅛x2⅛	71¢
3J8980	4-8	⅛x1⅛x2⅛	79¢
3J8996	8-8	⅛x1⅛x2⅛	88c

Dry Electrolytics

Cardboard Containers

Type P5. Double section condensers have a common negative lead.

525 D.C. Peak Volts—
450 D.C. Working Volts

Stock Num.	Cap. Mfd.	Size Inches L. W. D.	Your Price
3F7605	1	2⅜x1⅜x ⅝	32c
3F7606	2	2⅜x1⅜x ⅝	38c
3F7610	4	4⅛x1⅜x ⅝	44c
3F7611	4-4	4⅛x1⅜x 1⅛	78c
3F7616	4-8	4⅛x1⅛x1 1⅛	79c
3F7612	6	4⅛x1⅜x 1⅛	53c
3F7613	6-8	4⅛x1⅛x1 1⅛	85c
3F7614	8	4⅛x1⅛x 1⅛	56c
3F7615	8-8	4⅛x1⅛x1 1⅛	88c
3F7617	8-16	4⅛x2 x1 1⅛	$1.32

Compact Dry Electrolytics

Cardboard Containers

Small size condensers for use in compact receivers. Double section units have three leads one of which is common negative.

525 D.C. Peak Volts
450 D.C. Working Volts.

Stock Num.	Cap. Mfd.	Size Inches L. W. D.	Your Price
3F7491	1	2⅛x1⅛x ⅝	32c
3F7492	2	2⅛x1⅛x ⅝	38c
3F7493	4	2⅛x1⅛x ⅝	44c
3F7494	6	2⅛x1⅛x1⅛	53c
3F7495	8	2⅛x1⅛x1⅛	56c
3F7496	4-4	2⅛x1⅜x1⅛	71c
3F7497	4-8	2⅛x1⅜x1⅛	79c
3F7498	8-8	3⅛x1⅛x1⅛	88c

Double Section with 4 Leads

3F7499	4-4	4⅛x1⅜x1⅛	71c
3F7585	4-8	4⅛x1⅜x1⅛	79c
3F7509	8-8	4⅛x1⅜x1⅛	89c

Low Voltage Electrolytics

For Midget Receivers

With Wire Leads and Mounting Flanges

Light and compact for midget receivers. Double section units have a common negative lead and two positive leads. Sturdily constructed and provided with two mounting flanges.

25 D.C. Working Volts

Stock Num.	Cap. Mfd.	Size Inches L. W. D.	Your Price
3F7514	5	2⅜x1¼x1⅛	29c
3F7515	10	2⅜x1¼x1⅛	29¢
3F7516	25	2⅜x1¼x1⅛	38c

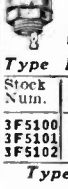
50 D.C. Working Volts

3F8974	5	2⅜x1¼x1⅛	32c
3F8975	10	2⅜x1¼x1⅛	38c
3F8976	25	2⅜x1¼x1⅛	47c

200 D.C. Working Volts

3J8984	8	2⅜x1¼x1⅛	47c
3J7519	16	2⅜x1⅜x1⅛	62c

Electrolytic Condensers



Aluminum Cases-1" Diam.

525 D.C. Peak Volts—450 D.C. Working Volts

Designed for use as replacements in modern compact receivers. Have exactly the same characteristics as the standard size units in large cans. Supplied with lug terminals. All condensers are for grounded (negative) mounting.

Type EM—Upright Mounting

Stock Num.	Cap. Mfd.	Size Dia. Ht.	List Price	Your Price
3F5100	2	1x2⅜	$0.75	$0.44
3F5101	4	1x2⅜	.85	.50
3F5102	8	1x4⅜	1.05	.61

Type GM—Inverted Stud Mounting

3F5103	2	1x2⅜	$0.75	$0.44
3F5104	4	1x2⅜	.85	.50
3F5105	8	1x4⅜	1.05	.61

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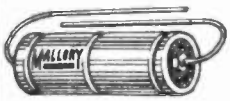
PAPER CONDENSERS MALLORY

YAXLEY-MALLORY PRODUCTS

Oil Filled Tubular Condensers



Paper Dielectric

Will withstand severe service. For use with vibrators or any high voltage circuit. Non-inductively wound, oil impregnated and oil filled. Securely sealed.

2000 Working Volts

Stock Num.	Code Num.	Cap. Mfd.	Size Inches	List Price	Your Price
3J5055	OT458	.0025	1¼ x ⅝		
3J5056	OT459	.005	1¼ x ⅝		
3J5057	OT460	.0075	1¼ x ⅝	55¢	32¢
3J5058	OT461	.01	1¼ x ⅝		
3J5059	OT462	.0125	2⅛ x ⅝		
3J5060	OT463	.015	2⅛ x ⅝		
3J5061	OT464	.02	2⅛ x ⅝	60¢	35c
3J5062	OT465	.03	2⅛ x ¾	65¢	38¢
3J5063	OT466	.04	2⅝ x ¾	70¢	41¢
3J5064	OT467	.05	2⅝ x ¾	75¢	44c

Auto Generator Suppressor Condensers

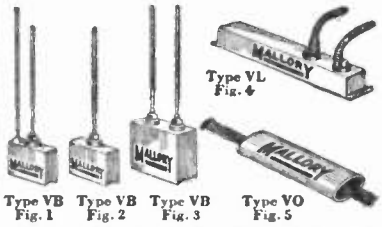
Will withstand high temperatures and unusual vibration. Paper dielectric. Round metal containers with insulated leads. Type AM has insulated case with two flexible leads; Type AG has common can with flange mounting.

200 D.C. Working Volts

Stock Num.	Code Num.	Cap. Mfd.	Size Inches	List Price	Your Price
3J5065	AG451	.5	2¼ x ¾	50¢	29¢
3J5066	AG452	1.0	2¼ x 1 ¼	75¢	44¢
3J5067	AM454	.5	2½ x ¾	45¢	27¢

Auto Vibrator Condensers

Paper Dielectric



Type VB Fig. 1 — Type VB Fig. 2 — Type VB Fig. 3 — Type VL Fig. 4 — Type VO Fig. 5

Constructed to endure severe service. Withstands extreme temperature conditions, excessive vibration, and unusually high and continuous peak voltage. Oil impregnated and oil filled. Complicated process of construction permanently excludes moisture and prohibits any tendency of oil leakage.

1600 Working Volts

Stock Num.	Code Num.	Cap. Mfd.	Size Inches	Fig.	Your Price
3J5068	VB470	.0075	3x ⅞ x ⅝"	1	26¢
3J5069	VB471	.01	3x ⅞ x ⅝"	1	26¢
3J5070	VB472	.0125	3x ⅞x1⅛"	1	35¢
3J5071	VB473	.015	3x ⅞x1⅛"	2	35¢
3J5072	VB474	.02	3x ⅞x1¼"	1	38¢
3J5073	VB475	.03	3x1⅛x1⅛"	2	41¢
3J5074	VB476	.04	1x1⅛x ⅞"	1	44¢
3J5075	VB477	.05	1x1x½"	3	56c

3J5076—Code VL478. Capacity .01 Mfd., 2000 Wkg. Volts. Fig. 4. List Price, 95c. YOUR PRICE ..... **56¢**

3J5077—Code VL479. Capacity .5 Mfd., 200 Wkg. Volts. Fig. 4. List Price, 65c. YOUR PRICE ..... **38¢**

3J5078—Code VO480. Capacity .5 Mfd., 120 Wkg. Volts. Fig. 5. List Price, 45c. YOUR PRICE ..... **26¢**

Tubular Bypass Condensers

Paper Dielectric

Safely rated. Non-inductively wound. Low impedance contact between unit and leads. Durable cardboard container. Metal end discs insure good contact and eliminate possibility of open circuits. Thoroughly impregnated under high vacuum, oil treated, and completely filled with special high temperature moisture-resisting compound.

600 D.C. Working Volts

Stock Num.	Code Num.	Cap. Mfd.	Size Inches	Your Price
3J5079	TP401	.0001	1⅛ x ½	
3J5080	TP402	.00025	1⅛ x ½	
3J5081	TP403	.0005	1⅛ x ½	
3J5082	TP404	.001	1⅛ x ½	9c
3J5083	TP405	.002	1⅛ x ⅝	
3J5084	TP408	.005	1⅛ x ⅝	
3J5085	TP409	.006	1⅛ x ⅝	
3J5086	TP410	.01	1⅛ x ⅝	
3J5087	TP412	.02	1⅛ x ⅞	
3J5088	TP415	.05	1⅞ x ⅝	
3J5089	TP416	.06	1⅞ x ⅝	12c
3J5090	TP418	.1	2¼ x 1⅜	15c
3J5091	TP420	.25	2¾ x ⅞	21c
3J5092	TP432	.5	2¾ x 1⅜	29c

400 D. C. Working Volts

3J5093	TP421	.01	1⅛ x ½	
3J5094	TP423	.02	1⅛ x ½	9c
3J5095	TP426	.05	1⅛ x ⅝	
3J5096	TP428	.1	1⅛ x ⅝	12¢
3J5097	TP430	.25	2¼ x 1⅜	15c
3J5098	TP431	.5	2¾ x 1	21c

200 D. C. Working Volts

3J5045	TP436	.05	1⅛ x ⅝	9c
3J5046	TP438	.1	1⅛ x ½	
3J5047	TP440	.25	1¼ x ¾	15¢
3J5048	TP441	.5	2 x 1⅛	21¢
3J5049	TP443	.1	2¾ x 1 ¼	29¢

Walnut Knobs

Finest Quality. Rich Looking

Turned out of solid end cut genuine Walnut. All one piece. Finely finished. Solid brass, bushing with set screw. Fit all ¼ inch shaft controls, including those with flattened side for push-on spring type knobs. Dimensions given are diameters. Heights all about ¾ inch.

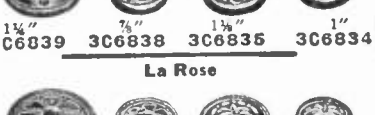
Futuristic

1¼" 3C6833 — 1⅛" 3C6832 — 1" 3C6831 — ⅞" 3C6830

Plain **Hexagonal**

1¼" 3C6839 — ⅞" 3C6838 — 1⅛" 3C6835 — 1" 3C6834

La Rose



1¼" 3C6847 — ⅞" 3C6846 — 1" 3C6843 — ¾" 3C6842

EACH **9¢** — Ten for 76c Per Hundred $7.26 (May be assorted)

Insulated Flexible Coupling

An insulated flexible coupling device for ganging condensers. Shpg. wt., 5 oz.

3C7265—List, 35c. YOUR PRICE ..... **21¢**

Bakelite Knobs

1¾" **3E6828**— Each .... **6¢**

1" **3E6827**— Ten for 55¢ Per Hundred $5.25

1⅛" **3E6829**— Each .... **4¢**

Finished in beautiful two-tone walnut. Will harmonize well with wooden panels. ⅛" shaft hole. Set screw.

Ten for 34c Polished black bakelite. White arrow pointer.

Newest Bakelite Knobs

A B C D

Newest patterns. Cleanly moulded of best quality genuine bakelite. All for ⅛" shafts.

3D6855 Style A 1" across. ½" high. Walnut finish.
3D6856 Style B 1⅛" diameter. ⅝" high. For Midget Sets. Polished black finish.
3D6857 Style C 1" across. ⅝" high. Polished black finish.
3D6858 Style D with Pointer. 1¼" across including pointer. ⅝" high. For smallest midgets. Fine Walnut finish.
EACH ..... **6¢**
Ten for 45c

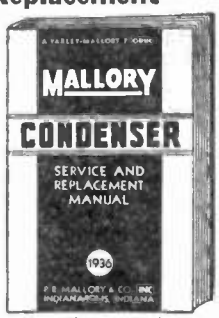
Equalizer

A small neutralizing or balancing condenser, having an exceptionally wide capacity range. For equalizing the units of a multiple-tuning condenser. Bakelite base mount, mica dielectric and a heavy phosphor-bronze spring plate. Minimum capacity 2 mmfds. Shpg. wt., 6 oz.

3C7266—EC-35—2 to 35 mmfds. List, 50c. YOUR PRICE..... **14¢**

3C7267—EC-80—20 to 100 mmfds. List, 60c. YOUR PRICE..... **15¢**

Mallory Condenser Service Replacement Manual



Specifies exactly what standard Mallory units to use for making replacements in practically any receiver. Receiver manufacturer names are listed alphabetically with the set model numbers in numerical order along with the original part number or the value of the original condenser. Installation instructions telling exactly where leads should be connected are included for almost every model listed. Much valuable general information concerning condensers is included.

3J5099—With order for Mallory condensers. YOUR PRICE ..... **FREE!**

"Imp" Miniature Size R. F. Coils

1 7/16" Square 1¾" High

Unusually small aluminum shielded coils with spade bolt mounting. Designed for superheterodyne and tuned radio frequency receivers and is being supplied at the present time for AC and DC receivers. Entirely new four bank "Litz" winding is used. Although these coils are extremely small there is no sacrifice of efficiency and they compare favorably with all coils regardless of size. At 600 K.C. the Interstage coil when measured in a single stage gain test with a type 58 tube proved a gain of 110 times input and at 1500 K.C. a gain of 65. 540 to 1700 K.C. with .000365 condensers.

Stock Number		YOUR PRICE
3D8600—One R.F. coil,	One Ant. coil	$0.95
3D8601—Two " "	One " "	1.35
3D8602—Three " "	One " "	1.75

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World Radio History

MALLORY ELECTROLYTIC and YAXLEY-MALLORY PRODUCTS

Midget Dry Electrolytics Cardboard Containers

Extremely small. Ideal for replacements. Internal metal seal effectively protects against changes in characteristics due to varying humidity and the high temperatures often encountered in midget and auto receivers. Metal mounting flanges are provided on all units except smallest size. Flanges may be pushed under various parts on chassis, bent out of way when necessary, or soldered to the chassis. 8" stranded push back insulated wire leads.

Single Sections

250 D.C. Wkg. V.—300 D.C. Peak Volts

Stock Num.	Code Num.	Cap. Mfd.	Size	List Price	Your Price
3J5800	CS121	4	2"x¾x1½	$0.65	37c
3J5801	CS123	8	2"x¾x1⅝	.80	47c
3J5802	CS124	10	2"x⅞x1⅝	.95	56c
3J5803	CS125	12	2"x⅞x1⅝	1.00	59c
3J5804	CS126	16	2"x1x1⅝	1.10	65c

450 Wkg. Volts—525 D.C. Peak Volts

3J5805	CS130	2	2"x¾x1½	.65	37c
3J5806	CS131	4	2"x¾x1⅝	.75	44c
3J5807	CS132	6	2"x1x1⅝	.90	53c
3J5808	CS133	8	2"x1x1⅝	.95	56c
3J5809	CS134	10	2"x1¼x1⅝	1.15	67c
3J5810	CS135	12	2"x1¼x1⅝	1.30	76c

Dual and Triple Sections
Common Negative Terminal

250 D.C. Wkg. V.—300 D.C. Peak Volts

3J5811	CN140	4-4	3x1 x⅝	$0.90	53c
3J5812	CN141	4-8	3x1 x⅝	1.15	67c
3J5813	CN142	8-8	3x1⅛x⅞	1.30	76c
3J5814	CN145	8-8-8	3x1⅛x⅞	1.95	$1.15

450 D.C. Wkg. V.—525 D.C. Peak Volts

3J5815	CN150	4-4	3x1¼x⅞	1.20	71c
3J5816	CN151	4-8	3x1¼x⅞	1.35	79c
3J5817	CN152	8-8	3x1¼x⅞	1.50	88c
3J5818	CN155	8-8-8	3x1¼x1½	2.20	$1.29

Dual and Triple Sections
Dual 4 leads, Triples 6 leads

250 D.C. Wkg. V.—300 D.C. Peak Volts

3J5819	CM160	4-4	3x1¼x⅞	$0.90	53c
3J5825	CM161	4-8	3x1¼x⅞	1.15	67c
3J5826	CM162	8-8	3x1¼x⅞	1.30	76c
3J5827	CM165	8-8-8	3x1 x1¾	1.95	$1.15

450 D.C. Wkg. V.—525 D.C. Peak Volts

3J5828	CM170	4-4	3x1¼x⅞	1.20	71c
3J5829	CM171	4-8	3x1¼x⅞	1.35	79c
3J8530	CM172	8-8	3x1¼x⅞	1.50	88c
3J5831	CM175	8-8-8	3x1¼x1½	2.20	$1.29

Standard Dry Electrolytic Cardboard Containers

Original large size condensers for use on early model receivers. Encased in rectangular fibre box with 6" long insulated leads.

450 D.C. Wkg. V.—525 D.C. Peak Volts

Single Sections

Stock Num.	Code Num.	Cap. Mfd.	Size	List Price	Your Price
3J5832	14450	4	4"x1¼x1¼x1⅜	$0.75	44c
3J5833	18450	8	4"x1¼x1¼x1⅜	.95	56c

4 Lead Dual Sections

3J5834	148450	4-8	4"x1¼x1¼x1¾	1.35	79c
3J5835	188450	8-8	4"x1¼x1½x2	1.50	88c

Dry Electrolytic Round Can By-Pass Units

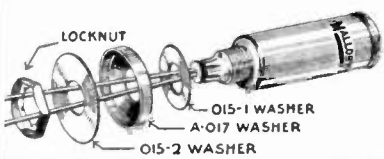
10-10 mfd.—50 D.C. Wkg. Volts
75 D.C. Peak Volts

Aluminum container is common negative to both sections. Size, 1¾"x1" diameter.

3J5836—Code BN225. Plain Alum. Can. List Price, 95c.
YOUR PRICE ..... **56¢**

3J5837—Code BN226. With ¼" stud and bracket for mounting. List Price, $1.00.
YOUR PRICE ..... **59¢**

Dry Electrolytic Round Can Filter Units



Modern in construction. Reduced size. Special hardware listed on this page enables these condensers to be mounted in any of five popular types of mounting. 8" stranded push-back insulated and color coded wire leads. Aluminum can containers, supplied with locknut and flat washer. Use type RM when common positive unit is desired by connecting positive leads together.

Single Section

250 D.C. Wkg. V.—300 D.C. Peak Volts

Stock Num.	Code Num.	Cap. Mfd.	Size Length Dia.	List Price	Your Price
3J5854	RS201	4	2¾x1	$0.75	44c
3J5855	RS203	8	2¾x1	.95	56c
3J5856	RS205	12	2¾x1	1.10	65c

450 D.C. Wkg. V.—525 D.C. Peak Volts

3J5857	RS211	4	2¾x1	0.85	50c
3J5858	RS213	8	2¾x1	1.05	62c
3J5859	RS215	12	3x1	1.40	82c

Dual and Triple Sections
Common Negative Terminal
Duals-3 Leads—Triples-4 Leads

250 D.C. Wkg. V.—300 D.C. Peak Volts

3J5860	RN231	4-8	3x1	$1.30	76c
3J5861	RN232	8-8	3x1	1.45	85c
3J5862	RN235	8-8-8	3x1¾	2.10	$1.24

450 D.C. Wkg. V.—525 D.C. Peak Volts

3J5863	RN241	4-8	3x1	1.45	85c
3J5864	RN242	8-8	3x1¾	1.60	94c
3J5865	RN245	8-8-8	3½x1¾	2.30	$1.35

Dual and Triple Sections
Duals-4 Leads—Triples-6 Leads

250 D.C. Wkg. V.—300 D.C. Peak Volts

3J5866	RM251	4-8	3x1¾	$1.30	76c
3J5867	RM252	8-8	3x1¾	1.45	85c
3J5868	RM255	8-8-8	3½x1¾	2.10	$1.24
3J5869	RM257	8-8-16	3½x1¾	2.35	1.38
3J5870	RM259	8-16-16	3½x1¾	2.60	1.53

450 D.C. Wkg. V.—525 D.C. Peak Volts

3J5871	RM261	4-8	3x1¾	1.45	85c
3J5872	RM262	8-8	3x1¾	1.60	94c
3J5873	RM265	8-8-8	4x1¾	2.30	$1.35

Wet Electrolytic Stud Mounting Condensers

Improved units. **Container is negative, lug terminal is positive.** Use special washer when mounting 1" can in 1⅜" clamp. For vertical mounting.

475 D.C. Working Volts

Stock Num.	Code Num.	Cap. Mfd.	Size Length Dia.	List Price	Your Price
3J5838	WE447	4	3¼x1	$0.80	47c
3J5839	WE847	8	4½x1	.95	56c
3J5840	WE1247	12	4½x1¾	1.15	67c
3J5841	WE1647	16	4½x1¾	1.35	79c
3J5842	WE1847	18	4½x1¾	1.50	88c

Mounting Accessories

Type A016 Type A-017 Type 015-1 Type 015-2

3J5843—Code A016. Terminal Connector. Permits use of condensers with leads wherever lug type condensers were originally used.
YOUR PRICE, 10 for ..... **29¢**

3J5844—Code A-017. For use in replacing a clamp mounted unit with a 1" diameter round can condenser.
YOUR PRICE, 10 for ..... **29¢**

3J5845—Code 015-1. For mounting 1" round can units with ⅝" or ¾" necks in ⅞" holes. (This washer is supplied with all stud mounting condensers.)

3J5846—Code 015-2. For mounting 1" and 1⅜" round can stud mounting condensers in place of spade bolt mounting condensers.
YOUR PRICE, Either type, 10 for ..... **18¢**

"Special Universal" Dry Electrolytics

Designed to eliminate the necessity of keeping on hand exact duplicate replacement condensers for the receivers.

8-8 Mfd., 250-350 Wkg. Volts

3J5874—Code UR180-Cardboard carton. Size: 1⅝"x1⅝"x2¾". Suggested replacement in Crosley Models 95, 96, 98, 99, 102, 129-1, 130, 130-1, 132, 132-1, 134, 136-1, 146-1, 148, 154, 157, 158, 160, 163, 167, 169, 176.
List Price, $1.30.
YOUR PRICE ..... **76¢**

3-2-1-1 Mfd., 450 Wkg. Volts

3J5875—Code UR181-Round aluminum container. Size: 2¾"x1⅝". Suggested replacement in Philco Models 16, 17, 18, 116, 118, 200, 201, 640, 650, 660, 680.
List Price, $2.10.
YOUR PRICE **$1.24**

5-25-10 Mfd., 150 Wkg. Volts

3J5876—Code UR182. Size: 1½" x 1" x 2¼". Suggested replacement in the following models: Belmont 53, 425, 440, 525, 530, 540, 625, 650; Emerson H5, 30AW, 33AW, 250, 250AW, 321AW, 350AW, 30LW, 33LW, 250LW, 321LW, 350LW; Grunow 5B, 501, 550; Sears 7114; Wells Gardner 05Δ, 5B; Zenith 701, 702, 801.
List Price, $1.95.
YOUR PRICE **$1.15**

4-4-4 Mfd., 150 Wkg. Volts

3J5877—Code UR183-Cardboard Carton. Size: ⅝"x1¼"x2". Suggested replacement in Kadette F Jr. Size. List Price, $1.35.
YOUR PRICE ..... **79¢**

Special High Surge Electrolytic Condensers

Rated at 450 continuous working volts but will withstand any surge present in receivers with high initial voltages.

4 Mfd., 450 Wkg. Volts

3J5878—Code UR184-Cardboard Carton. Size: ¾"x1⅛"x3".
List Price, $1.50.
YOUR PRICE ..... **88¢**

4 Mfd., 450 Wkg. Volts

3J5879—Code UR185-Alum. Can. Size: 3"x1".
List Price, $1.65.
YOUR PRICE ..... **97¢**

8 Mfd., 450 Wkg. Volts

3J5880—Code UR186-Cardboard carton. Size: 1¾"x1¾"x5".
List Price, $2.05.
YOUR PRICE **$1.21**

8 Mfd., 450 Wkg. Volts

3J5881—Code UR187-Alum. Can. Size: 3½"x1⅝".
List Price, $2.15.
YOUR PRICE **$1.27**

Tubular Audio Bypass Dry Electrolytic

Designed for bypassing cathode resistors in audio frequency and other low voltage circuits. Wire leads, Cardboard carton.

Single Section

Stock Num.	Code Num.	Cap. Mfd.	Wkg. Volts	Size Inches	List Price	Your Price
3J5792	TS101	10	25	1⅜x¾	50¢	29¢
3J5793	TS102	20	25	2¼x¾	60¢	35c
3J5794	TS105	5	50	1⅜x¾	50¢	29¢
3J5795	TS106	10	50	2¼x¾	65¢	38c

Dual Section—Common Neg. Lead

3J5796	TN110	5-5	25	1¾x¾	75¢ **44c**
3J5797	TN111	10-10	25	2¼x¾	
3J5798	TN112	5-5	35	1¾x¾	
3J5799	TN113	5-5	50	2¼x¾	

Dry Electrolytics

In aluminum cans for replacing old style multiple section wet electrolytics. Height 4⅝".

450 D.C. Wkg. Volts
525 D.C. Peak Volts

Stock Num.	Code Num.	Cap. Mfd.	Your Price
3J5882*	MN272	8-8	$1.06
3J5883*	MN273	5-15	1.35
3J5884†	MN275	8-8-8	1.59
3J5886†	MN277	8-8-8-8	2.12

*Diam. 2½"—†Diam. 3".

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Dry Electrolytic Condensers

Guaranteed Quality—Standard Brands—Best Values

Dry Electrolytics in Round Metal Cases

With Flush Lug-Type Mounting Screws

Metal Case

Round aluminum container with lug type 6/32 studs riveted flush with sides of case. For inverted mounting where studs must clear material beneath chassis. Container insulated. Six inch flexible leads with high voltage insulation. Where grounded container is desired the negative leads should be grounded direct to chassis. Mounting centers are 1¼" on the 1⅜" diameter can and 1⅝" on the 1½" diameter can.

450 D.C. Working Volts—500 D.C. Peak Volts

Cap. Mfd.	Peak Volts	Dimensions Diam. Ht.	Stock Number	List Price	Your Price	Ten For
4	500	1⅜x2⅝	3F5724	$0.85	$0.34	$3.23
8	500	1⅜x4⅛	3F5725	1.05	.42	3.99
4-4	500	1½x4⅛	3F5726	1.30	.52	4.94
4-8	500	1½x4⅛	3F5727	1.45	.58	5.51
8-8	500	1½x4⅛	3F5728	1.80	.72	6.84

Dry Electrolytics in Tubular Fibreboard Case

With Flush Lug-Type Mounting Screws

Moisture-proof tough fibre board tubular containers sealed with high melting point compound. Stranded flexible 6 inch leads with high voltage insulation. Leads tinned for easy soldering. Lug type 6/32 mounting studs riveted flush with sides of container. Mounting centers are 1¼" on the 1⅜" diameter can and 1⅝" on the 1½" diameter can.

Cap. Mfd.	Peak Volts	Dimensions Diam. Ht.	Stock Number	List Price	Your Price	Ten For
4	500	1⅜x2⅝	3F5750	$0.75	$0.30	$2.85
8	500	1⅜x4⅛	3F5751	.95	.38	3.61
4-4	500	1½x4⅛	3F5752	1.20	.48	4.56
4-8	500	1½x4⅛	3F5753	1.35	.54	5.13
8-8	500	1½x4⅛	3F5754	1.50	.60	5.70

Fibre Case

Low Voltage Dry Electrolytics

Two, Three and Four Sections

16-12	200	1⅜x4	3J5768	$1.75	$0.70	$6.65
20-10-4	200	1⅜x4	3J5777	1.95	.78	7.41
20-12-8	200	1⅜x4	3J5730	2.25	.90	8.55
16-5-5	200	1⅜x4	3J5731	2.10	.84	7.98
14-8 / 10-10	200 / 35	1⅜x4	3J5849	1.95	.78	7.41
16-12 / 5-5	200 / 35	1⅜x4	3J5732	2.10	.84	7.98
16-12 / 10-10	200 / 35	1⅜x4	3J5848	2.25	.90	8.55

Note: Two, three and four section condensers have separate negative leads for each individual section.

Low Voltage—High Capacity Dry Electrolytics In Fibreboard Cases

Moisture Proof Containers with Mounting Tabs on Each End

In New Tab Type Containers with 6" Insulated Leads, —| Positive—| Negative.

Cap. Mfd.	Peak Volts	Dimensions L. W. D.	Stock Number	List Price	Your Price	Ten For
50	35	4⅛x1⅜x 9/16	3F5366	$0.90	$0.36	$3.42
100	35	4⅛x1⅜x 13/16	3F5367	1.30	.52	4.94
25	50	4⅛x1⅜x 9/16	3F5368	.75	.30	2.85
50	50	4⅛x1⅜x 9/16	3F5369	.95	.38	3.61
25	100	4⅛x1⅜x 13/16	3F5371	.95	.38	3.61
50	100	4⅛x1⅜x 13/16	3F5372	1.30	.52	4.94
50	150	4⅛x1⅜x 13/16	3F5374	1.75	.70	6.65
25	200	4⅛x1⅜x 13/16	3F5376	1.50	.60	5.70
50	250	4⅛x1⅜xl	3F5379	2.40	.96	9.12

Voltage Doubling Dual Sections

Fibreboard Cases—220 Volt D.C. Peak

Especially designed and matched for voltage doubling circuits employing 25Z5 or similar type tubes. 4 leads, 2 pos., and 2 neg. leads. Flexible 6 inch insulated wire leads.

Capacity Sections	Container Size	Stock Number	List Price	Your Price	Ten For
10-10	2⅛x1¾x1⅛	3F5789	$1.40	$0.56	$5.32
12-12	2⅛x1¾x1⅛	3F5790	1.50	.60	5.70
16-16	3½x1¾x1¾	3F5791	1.80	.72	6.84
20-20	3½x1¾x1¾	3F5787	2.00	.80	7.60

"600" Peak Handy Dry Electrolytics

In Compact Fibreboard Containers

Moisture proof rectangular containers. Sturdy wire leads for self-support in mounting. 6" insulated leads out of each end.

600 D.C. Peak Voltage—475 D.C. Working Voltage

Cap. Mfd.	Dimensions Inches Long, Wide, Deep	Stock Number	List Price	Your Price	Ten For
2	2½x1⅛x 5/8	3F5851	$0.95	38¢	$3.61
4	2½x1⅛x 5/8	3F5852	1.15	46¢	4.37
8	2½x1⅜x1¼	3F5853	1.35	54¢	5.13

Aluminum Case Inverted Stud Mounting

Case Negative—450 D.C. Working Volts—550 D.C. Volts Peak

Hermetically sealed. Unaffected by temperature. For single ⅞" hole mounting. Anode projects through threaded insulated terminal.

Cap. Mfd.	Dimensions Diam. Ht.	Stock Number	List Price	Your Price	Ten For
4	1⅜x2⅝	3F5706	$0.85	$0.34	$3.23
6	1⅜x4⅛	3F5707	1.00	.40	3.80
8	1⅜x4⅛	3F5708	1.05	.42	3.99
12	1⅜x4⅛	3F5709	1.40	.56	5.32

Dual Sections—Container Common Negative

Two Positive lug terminals project from insulated nipple.

Cap. Mfd. at Anodes	Total Cap.	Container Size Inches	Stock Number	List Price	Your Price	Ten For
4-4	8	1⅜x4⅛	3F5710	$1.30	$0.52	$4.94
8-8	16	1½x4⅛	3F5712	1.80	.72	6.84

All-Purpose Dry Electrolytic, Aluminum Case

450 D.C. Working Voltage—550 D.C. Volt Peak—Container and Leads Insulated

Both positive and negative leads are brought out through insulated threaded nipple. If grounded container is required Neg. lead may be soldered to chassis. For single ⅞" hole Mtg. Locknut for clamping to chassis.

Cap. Mfd.	Dimensions Diam. Ht.	Stock Number	List Price	Your Price	Ten For
4	1⅜x2⅝	3F5701	$0.85	$0.34	$3.23
8	1⅜x4⅛	3F5703	1.05	.42	3.99
12	1⅜x4⅛	3F5704	1.40	.56	5.32

Dual Sections—Container Insulated

Four insulated leads: two positive, two negative

Cap. Mfd. at Anodes	Total Cap.	Container Size Inches	Stock Number	List Price	Your Price	Ten For
4-4	8	1⅜x4⅛	3F5713	$1.30	$0.52	$4.94
6-6	12	1½x4⅛	3F5714	1.50	.60	5.70
8-8	16	2½x4⅛	3F5715	1.80	.72	6.84

New One-Inch Diameter Aluminum Cases

Compact for Small Receivers

450 D.C. Working Volts 550 Volts D.C. Peak Container Negative

For use where mounting space is limited. The one-inch diameter containers will fit most midget and compact receivers. Inverted container for single ⅝" hole mounting. Container negative. Positive lug terminal.

Cap. Mfd.	Container Size Inches	Stock Number	List Price	Your Price	Ten For
2	1x2⅝	3F5716	$0.75	$0.30	$2.85
4	1x2⅝	3F5717	.85	.34	3.23
6	1x4⅛	3F5718	1.00	.40	3.80
8	1x4⅛	3F5719	1.05	.42	3.99

Dry Replacement Electrolytics— Universal Upright Mounting

Top Connected—Complete with Mounting Brackets

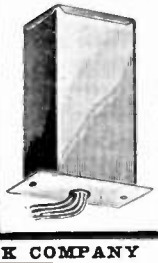
450 D.C. Working Volts—500 Volt Peak

These multiple section dry electrolytics are very popular for replacement of wet electrolytics used in earlier model receivers. Each section is a separate condenser and all negative terminals are grounded to the aluminum container. Hermetically sealed against moisture. Unaffected by wide temperature variations. Solder-lug terminals. Complete with mounting bracket.

Capacity Section	Total Cap.	Container Size	Stock Number	List Price	Your Price	Ten For
8	8	1¾x4⅜	3F5738	$1.05	$0.42	$ 3.99
Dual Sections						
8-8	16	2½x4⅜	3F5740	1.75	.70	6.65
5-15	20	2½x4⅜	3F5742	2.20	.88	8.36
Triple Sections						
8-8-8	24	3 x4⅜	3F5744	2.60	1.04	9.88
9-9-18	36	3 x4⅜	3F5745	3.75	1.50	14.25
Quadruple Sections						
8-8-8-8	32	3 x4⅜	3F5746	3.60	1.44	13.68
9-9-18-18	54	3½x4⅜	3F5748	4.85	1.94	18.43

Multiple Dry Electrolytics—Metal Containers

Rectangular Metal Containers



450 D.C. Working Volts—550 D.C. V., Peak

Dual condensers have 2 positive and 2 negative leads. Triple condensers have 3 positive and 3 negative leads.

Cap. Sec.	Total Cap.	Dimensions L. W. D.	Stock Number	List Price	Your Price	Ten For
4-4	8	4⅛x1⅜x1 13/16	3F5780	$1.45	$0.58	$5.51
4-8	12	4⅛x1⅜x1 13/16	3F5782	1.70	.68	6.46
8-8	16	4⅛x1⅜x1 13/16	3F5785	1.80	.72	6.84
4-4-4	12	4⅛x1⅜x1 13/16	3F5786	2.15	.86	8.17
8-8-8	24	4⅛x1¾x1¾	3F5788	2.70	1.08	10.26

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World Radio History

Dry Electrolytic Condensers

Guaranteed Quality—Best Brands—Standard Values

Dimensions given are close Approximations

Selected Quality Products built by Prominent Manufacturers to Radolek Laboratory Specifications. **Fresh New Dry Electrolytic capacity units** guaranteed for Full Capacity and Rated Voltage. Each type and size has been selected after careful test to have the **lowest power factor, the greatest safety factor,** and the **longest life** under extreme conditions.

Use these condensers exclusively. We believe that they are the very best available regardless of price. The full assortment of sizes and values will cover practically every replacement need. Refer to Radolek's **three pages of Exact Duplicate Electrolytic condensers** if the condenser required is not included on these pages.

Standard Dry Electrolytics

In New Tab Type Fibreboard Cases

450 D.C. Working Volts—550 D.C. V., Peak

Moisture proof containers with mounting tabs on each end. 1-Positive, 1-Negative, 6" Insulated Leads.

Cap. Mfd.	Container Overall Inches	Stock Number	List Price	Your Price	Ten For
2	2 1/16 x 1 5/16 x 5/8	3F5759	$0.65	$0.26	$2.47
4	4 1/16 x 1 5/16 x 5/8	3F5760	.75	.30	2.85
6	4 1/16 x 1 5/16 x 7/8	3F5761	.85	.34	3.23
8	4 1/16 x 1 5/16 x 7/8	3F5762	.95	.38	3.61
12	4 3/16 x 1 5/16 x 1 1/4	3F5763	1.20	.48	4.56
16	4 3/16 x 1 5/16 x 1 1/4	3F5764	1.40	.56	5.32

Dual and Triple Dry Electrolytics

In New Tab Type Fibreboard Cases

450 D.C. Working Volts—550 D.C. V., Peak

Dual condensers have 2 Positive and 2 Negative Leads.

Triple condensers have 3 Positive and 3 Negative, 6" Insulated Leads.

Cap. Mfd.	Container Overall Inches	Stock Number	List Price	Your Price	Ten For
4-4	4 1/16 x 1 5/16 x 1 1/4	3F5765	$1.20	$0.48	$4.56
4-8	4 1/16 x 1 5/16 x 1 1/4	3F5769	1.40	.56	5.32
6-6	4 1/16 x 1 5/16 x 1 1/4	3F5767	1.40	.56	5.32
8-8	4 1/16 x 1 5/16 x 1 1/4	3F5773	1.50	.60	5.70
4-4-4	4 3/16 x 1 5/16 x 1 3/4	3F5774	1.80	.72	6.84
8-8-8	4 3/16 x 1 5/16 x 1 3/4	3F5775	2.30	.92	8.74

Standard Dry Electrolytics

In New Tab Type Fibreboard Cases

450 D.C. Working Volts—550 D.C. V., Peak

Moisture-proof containers. Mounting tabs at each end simplify installation. Solder lug terminals—1 Positive, 1 Negative

Cap. Mfd.	Container Overall Inches	Stock Number	List Price	Your Price	Ten For
2	2 1/16 x 1 5/16 x 5/8	3F5755	$0.65	$0.26	$2.47
4	4 1/16 x 1 5/16 x 5/8	3F5756	.75	.30	2.85
8	4 1/16 x 1 5/16 x 7/8	3F5758	.95	.38	3.61

Compact Dry Electrolytics

For Use in A.C.-D.C. Sets

In Tiny Fibreboard Containers with Leads

250 D.C. Working Volts—300 D.C. Peak Volts

Cap. Mfd.	Container Overall In.	Stock Number	List Price	Your Price	Ten For
4	2 1/16 x 1 1/16 x 5/8	3F5342	$0.65	$0.26	$2.47
8	2 1/16 x 1 1/16 x 3/4	3F5343	.85	.34	3.23
12	2 1/16 x 1 1/16 x 1 1/8	3F5344	1.05	.42	3.99
16	2 1/16 x 1 1/16 x 1 1/8	3F5345	1.15	.46	4.37
20	2 1/16 x 1 1/16 x 1 1/2	3F5346	1.25	.50	4.75
25	2 1/16 x 1 1/16 x 1 1/2	3F5347	1.40	.56	5.32

150 D.C. Working Volts—175 D.C. Peak Volts

Cap. Mfd.	Container Overall Inches	Stock Number	List Price	Your Price	Ten For
4	2 1/16 x 1 3/16 x 1/2	3F5348	$0.50	$0.20	$ 1.90
8	2 1/16 x 1 3/16 x 5/8	3F5349	.70	.28	2.66
12	2 1/16 x 1 3/16 x 3/4	3F5350	.85	.34	3.23
16	2 1/16 x 1 3/16 x 7/8	3F5351	.95	.38	3.61

Dual Compact Dry Electrolytics

For Use in A.C.-D.C. Receivers

In Tiny Fibreboard Containers 2 Positive and 2 Negative 6 Inch Insulated Leads.

In Tiny Fibreboard Containers 2 Pos. 2 Neg. Leads

Cap. Mfd.	Peak Volts	Container Overall In.	Stock Number	List Price	Your Price	Ten For
5-5	35	1 1/16 x 3/4 x 1/2	3F5380	$0.65	$0.26	$2.47
10-10	35	1 3/16 x 3/4 x 5/8	3F5381	.90	.36	3.42
4-20	150	4 3/16 x 1 x 1	3F5384	1.45	.58	5.51
4-4	175	2 1/16 x 1 1/16 x 5/8	3F5385	1.00	.40	3.80
8-8	175	2 1/16 x 1 1/16 x 3/4	3F5387	1.25	.50	4.75
8-16	175	2 1/16 x 1 1/16 x 7/8	3F5389	1.45	.58	5.51
16-16	200	2 1/16 x 1 1/2 x 1 1/2	3F5390	1.75	.70	6.65
4-4	225	2 1/16 x 1 1/16 x 5/8	3F5391	1.05	.42	3.99
8-8	225	2 1/16 x 1 1/16 x 7/8	3F5392	1.30	.52	4.94
4-12	225	2 1/16 x 1 1/16 x 7/8	3F5393	1.30	.52	4.94
4-8	300	2 1/16 x 1 1/16 x 7/8	3F5394	1.30	.52	4.94

Midget Dry Electrolytics

In Fibreboard Containers

450 D.C. Working Volts—550 D.C. V., Peak

1 Positive, 1 Negative, 6" Insulated Leads.

Cap. Mfd.	Container Overall In.	Stock Number	List Price	Your Price	For Ten
1/2	2 1/16 x 3/4 x 3/4	3F5353	$0.45	$0.18	$1.71
1	2 1/16 x 3/4 x 3/4	3F5354	.50	.20	1.90
2	2 1/16 x 1 3/16 x 1 1/16	3F5355	.65	.26	2.47
4	2 1/16 x 1 3/16 x 1 1/16	3F5356	.75	.30	2.85
6	2 1/16 x 1 3/16 x 1 1/16	3F5357	.85	.34	3.23
8	2 1/16 x 1 3/16 x 1 1/16	3F5358	.95	.38	3.61

Midget Dual Dry Electrolytics

In Fibreboard Containers

450 D.C. Working Volts—550 D.C. V., Peak

2 Positive and 2 Negative, 6" Insulated Leads.

Cap. Mfd.	Container Overall In.	Stock Number	List Price	Your Price	Ten For
4-4	3 x 1 1/16 x 1 5/16	3F5360	$1.20	$0.48	$4.56
4-8	3 x 1 3/16 x 1 1/4	3F5362	1.40	.56	5.32
6-8	3 x 1 3/16 x 1 1/4	3F5364	1.45	.58	5.51
8-8	3 x 1 3/16 x 1 1/4	3F5365	1.50	.60	5.70

Compact Dry Electrolytics

In Rectangular Fibreboard Containers

450 D.C. Working Volts—550 D.C. V., Peak

Moisture proof containers with soldering Lug terminals—1-Positive and 1-Negative.

Cap. Mfd.	Container Overall Inches	Stock Number	List Price	Your Price	Ten For
1/2	2 1/16 x 3/4 x 3/4	3F5820	$0.45	$0.18	$1.71
1	2 1/16 x 3/4 x 3/4	3F5821	.50	.20	1.89
2	2 1/16 x 3/4 x 3/4	3F5822	.60	.24	2.28
4	2 1/16 x 1 x 1	3F5823	.75	.30	2.85
8	3 1/16 x 1 x 1	3F5824	.95	.38	3.61

Three and Four Section Dry Electrolytics

For A.C.-D.C. Receivers

In New Tab Type Fibreboard Containers 6" Long Insulated Leads

These condensers are identical in every way to the units used in a wide variety of standard receivers.

Cap. Mfd.	Peak Volts	No. Leads	Container Overall In.	Stock No.	List Price	Your Price	Ten For
4-4-16	175	4	2 3/16 x 1 5/16 x 7/8	3F5272	$1.90	$0.76	$7.22
5-5-25	125	4	3 1/16 x 1 3/16 x 1 1/16	3F5273	1.75	.70	6.65
8-8-4	200	4	2 3/16 x 1 3/16 x 7/8	3F5274	1.80	.72	6.84
8-8-8	200	4	2 3/16 x 1 3/16 x 7/8	3F5275	1.65	.66	6.33
8-8-16	175	4	3 1/16 x 1 1/16 x 1 1/16	3F5276	2.10	.84	7.98
8-18x5	175x35	4	3 1/16 x 1 1/16 x 1 1/16	3F5277	1.75	.70	6.65
16-5-5	200	4	3 1/16 x 1 1/16 x 1 1/16	3J5267	1.75	.70	6.65
20-8-4	150	4	3 1/16 x 1 1/16 x 1 1/16	3F5278	1.75	.70	6.65
20-12-8	200	4	3 1/16 x 1 1/16 x 1 1/16	3J5268	1.90	.76	7.22
14-8x10-10	200x35	6	3 1/16 x 1 1/16 x 1 5/16	3J5269	2.00	.80	7.60
16-12x5-5	200x35	6	3 1/16 x 1 1/16 x 1 5/16	3J5270	2.25	.90	8.55
16-12x10-10	200x35	6	3 1/16 x 1 1/16 x 1 5/16	3F5271	2.40	.96	9.12
8-16x10-10	175x35	6	1 1/16 x 1 1/16 x 1 1/16	3F5285	2.40	.96	9.12
8-12x5-5	175x35	5	3 1/16 x 1 1/16 x 1 1/16	3F5286	1.90	.76	7.22
20-8x5-5	200x35	5	4 1/16 x 1 1/16 x 1 1/16	3F5288	2.25	.90	8.55

Note: All 6 lead condensers have two negative leads which are common to each dual section. All 4 and 5 lead condensers have only one negative lead common to all sections.

Dry Electrolytics In Tubular Cases

Tubular Cardboard Cases—1 1/2" Solid Tinned Copper Leads

For Filtering—Audio Frequency—C Bias—By-Passing

Cap. Mfd.	Peak Volts	Container Overall In.	Stock Number	List Price	Your Price	Ten For
5	35	2 1/16 x 5/8	3F5325	$0.40	$0.16	$1.52
5	75	2 1/16 x 5/8	3F5326	.50	.20	1.90
10	35	2 1/16 x 5/8	3F5327	.50	.20	1.90
10	75	2 1/16 x 7/8	3F5328	.55	.22	2.09
20	35	2 1/16 x 7/8	3F5329	.60	.24	2.28
20	75	2 1/16 x 1 1/16	3F5330	.65	.26	2.47
25	35	2 1/16 x 1 1/16	3F5331	.70	.28	2.66
25	75	2 1/16 x 1 1/16	3F5332	.75	.30	2.85
50	35	2 1/16 x 1	3F5333	.95	.38	3.61
4	150	2 1/16 x 5/8	3F5335	.50	.20	1.90
8	175	2 1/16 x 7/8	3F5336	.65	.26	2.47
1/2	600	2 1/16 x 5/8	3F5337	.45	.18	1.71
1	600	2 1/16 x 1 1/16	3F5338	.55	.22	2.09
2	600	2 1/16 x 1 1/16	3F5339	.65	.26	2.47
5-5	50	2 1/16 x 5/8	3F5340	.75	.30	2.85
10-10	50	2 1/16 x 1 1/16	3F5341	.75	.30	2.85

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ELECTROLYTIC REPLACEMENT CONDENSERS

GRIGSBY-GRUNOW (SEE MAJESTIC)

GRUNOW
Part Number 26508
8-8x4-4 Mfd., 300x25 V.
3"x2"x1¾" Fibre Box
3J9990—List, $2.75
Your Price..... **$1.18**

Model 501, 550
Part Number 27151
4-8-20-4 Mfd., 25-150-150-150 Volts
1¾"x2½"x1¾" Fibre Box
3J9231—List, $2.20
Your Price..... **$1.29**

Part Number 30091-1
8x8-8 Mfd. 475x450 V. +12-12 Mfd. 25 V.
2½"x2¾"x1¾" Fibre Box
3J9991—List, $3.25
Your Price..... **$1.91**

Part Number 30326
8-8x12 Mfd., 350x25 V.
2½"x2"x2" Fibre Box
3J9992—List, $2.50
Your Price..... **$1.47**

INTERNATIONAL KADETTE STANDARD
Part Number A-407
4-4 Mfd., 175 Volts
¾"x1¼"x3¼" Fibre Box
3J9233—List, $1.00
Your Price..... **53¢**

Part Number A-408
5-5 Mfd., 35 Volts
¾"x¾"x1¼" Fibre Box
3J9232—List, 75¢
Your Price..... **44¢**

8-30 Mfd., 100 V.
3½"x2"x¾" Fibre Box
3J9993—List, $1.55
Your Price..... **91¢**

KADETTE "F" JUNIOR
Part Number A-426
2-7 Mfd., 150 Volts
¾"x1⅞"x2½" Fibre Box
3J9235—List, 90¢
Your Price..... **53¢**

KADETTE "F" JUNIOR
Part Number A-427
3.5-3.5-3.5 Mfd., 150-150-35 Volts
⅝"x1¼"x2½" Fibre Box
3J9236—List, $1.20
Your Price..... **71¢**

Part Number A-430
4-10-10 Mfd., 100 Volts
3¾"x1¼"x1" Fibre Box
3J9237—List, $1.70
Your Price..... **$1.00**

MAJESTIC
Models 211, 214, 215, 221, 223, 251-B, 253-B, 254-B, 351, 353
Part Number 4713
8 Mfd., 450 Volts
1¼"x1⅝"x4¼" Fibre Box
3J9239—List, 95¢
Your Price..... **56¢**

Models 15, 25, 150
Part Number 4713D
8-8 Mfd., 500 Volts
2½"x1⅝"x3¼" Fibre Box
3J9240—List, $1.75
Your Price..... **$1.03**

Models 201, 203, 204
Part Number 6277
8-4-4 Mfd., 450 Volts
1½"x2½"x4½" Rect. Alum. Can
3J9242—List, $2.50
Your Price..... **$1.47**

Models 291, 293, 294
Part Number 7173
8 Mfd., 450 Volts
1"x1¾"x4¼" Fibre Box
3J9245—List, 95¢
Your Price..... **50¢**

Models 324, Pt. #7402
10 Mfd., 6 Volts
⅝"x2½" Tub. Cartridge
3J9247—List, 50¢
Your Price..... **22¢**

Models 303, 304, 307, 324, Pt. #7489
16 Mfd., 450 Volts
1½"x1¾"x4¼" Fibre Box
3J9248—List, $1.45
Your Price..... **78¢**

Models 310, 320, 330
Part Number 7489-1
16 Mfd., 500 Volts
1"x1½"x3¾" Fibre Box
3J9914—List, $1.45
Your Price..... **85¢**

Majestic—Continued
Models 311, 314, 315
Part Number 7824
8-16 Mfd., 300-450 V
1¼"x1¾"x4¼" Fibre Box
3J9249—List, $1.85
Your Price..... **$1.09**

Models 324, 344, 363
Part Number 7988
7 Mfd., 150 Volts
1⅛"x1¼"x2⅛" Fibre Box
3J9906—List, 75¢
Your Price..... **40¢**

Models 311, 314, 315, 331, 336-77, 344, 363, 393
Part Number 8118
20 Mfd., 30 Volts
1¼"x1¼"x2¾" Fibre Box
3J9901—List, 60¢
Your Price..... **30¢**

Models 380, 381
Part Number 8755
4-8 Mfd., 450 Volts
1¾"x1¼"x3¾" Fibre Box
3J9905—List, $1.35
Your Price..... **55¢**

Models 371, 373
Part Number 9219
8-8 Mfd., 450 Volts
1⅞"x1¼"x4⅛" Fibre Box
3J9908—List, $1.50
Your Price..... **88¢**

Models 411, 411A, 413, 413A, Pt. #9661
8-10-16 Mfd., 150-25-150
1½"x1½"x4" Fibre Box
3J9909—List, $2.25
Your Price..... **72¢**

Part Number 9661-2
8-8x10 Mfd., 350x25 V.
5"x1⅛"x1⅛" Fibre Box
3J9994—List, $1.85
Your Price..... **$1.09**

Model 66X Chassis 116A
Part Number 9979
8-8 Mfd., 350 Volts
1¼"x1⅝"x3¼" Fibre Box
3J9910—List, $1.45
Your Price..... **85¢**

Model 118, Pt. #10369
8-8 Mfd., 450 Volts
1⅝"x1¼"x3¼" Fibre Box
3J9911—List, $1.85
Your Price..... **72¢**

Models 40, 49, 194 Chassis 440, Pt. #10536
10-4-8 Mfd., 25-300-350
1¼"x1⅝"x4½" Fibre Box
3J9912—List, $1.85
Your Price..... **$1.09**

Models 55, 59, 75, 195, 560, 556 Chassis 500
Part Number 10827
10-8-8 Mfd., 25-350-350
1¾"x1⅝"x4¼" Fibre Box
3J9913—List, $1.95
Your Price..... **98¢**

Part Number 11017
16 Mfd., 450 Volts
4¼"x1¾" Inv. Alum. Can
3J9916—List, $1.55
Your Price..... **91¢**

MUSIC MASTER COMMANDER, LIBERTY, UNIVERSAL
Part Number 2013
16-8x10-5 Mfd., 200x25
2¾"x1¼"x4¼" Fibre Box
3J9924—List, $1.95
Your Price..... **83¢**

RADIO KEG
5-8-12 Mfd., 25-150-150
1"x1¼"x3" Fibre Box
3J9936—List, $1.75
Your Price..... **95¢**

R.C.A. VICTOR
Models R27, R17M, R18W M 105, 330, 331
Pt. #3536 or 6513 (New) 66140-2 (Old)
5-5 Mfd., 35 Volts
¾"x2½" Tub. Cartridge
3J9218—List, 75¢
Your Price..... **44¢**

Models R27, R17, R18W Pt. #3538 (New), 66140 (Old)
4-4 Mfd., 150 Volts
¾"x2½" Tub. Cartridge
3J9219—List, $1.00
Your Price..... **50¢**

Models R37, R38, RP37, R38, 120, Pt. #6487
4-4x10-4 Mfd., 300x150
3J9220—List, $2.00
Your Price..... **$1.18**

R. C. A.—Continued
Models M34, M105
Pt. #6492 (New), 66140-4 (Old)
3.6-1 Mfd., 100-300 V.
¾"x2¼" Tub. Cartridge
3J9221—List, 75¢
Your Price..... **44¢**

Part Number 66155
4-4x4 Mfd., 300x25 V. +10 Mfd., 150 V.
3¼"x1⅜"x1¼" Fibre Box
3J9995—List, $2.00
Your Price..... **$1.18**

Part Number 66171-1
4-8-8-8 Mfd., 175 V. +8x10 Mfd., 250x25 V.
3¾"x2¼"x1¼" Fibre Box
3J9996—List, $4.75
Your Price..... **$2.12**

Models 22S, 22W
Part Number 6510
8 Mfd., 150 Volts
¾"x2½" Tub. Cartridge
3J9224—List, 75¢
Your Price..... **44¢**

Model R22
Pt. # 6511 (New), 66160-2 (Old)
8-4-10 Mfd., 150-100-25
1⅛"x1⅛"x3¾" Fibre Box
3J9222—List $1.40
Your Price..... **82¢**

Model R22
Pt. #6518 (New), 66160 (Old)
8-8 Mfd., 250-175 V.
1¼"x1⅞"x3⅜" Fibre Box
3J9223—List, $1.30
Your Price..... **73¢**

Model R18W. Pt. #6535
4-4 Mfd., 150-300 V.
⅞"x3½" Tub. Cartridge
3J9225—List, $1.25
Your Price..... **73¢**

Models 330-331
Pt. #6555 (New), 66143-2 (Old)
10-4 Mfd., 300-150
1"x1½"x3½" Fibre Box
3J9226—List, $1.45
Your Price..... **55¢**

Model 100-101
Pt. #6661 (New), 66185-2 (Old)
8-8x5-5 Mfd., 450-50
1⅛"x1¼"x4½" Fibre Box
3J9227—List, $2.20
Your Price..... **$1.29**

Model 220-222
Pt. #6691 (New), 66189-2 (Old)
8-4-4-4 Mfd., 350-150-300-25 Volts
1¼"x1½"x3¾" Fibre Box
3J9228—List, $2.25
Your Price..... **81¢**

Models 121, 122, 321
Pt. #6703 (New), 66189-1 (Old)
8-4-4 Mfd., 350-150-300
1½"x1½"x3¾" Fibre Box
3J9229—List, $1.95
Your Price..... **95¢**

Models R28, R28P, R28BW, RE40, RE40P, 110, 111, 115, 210, 310
Pt. #7589 (New), 66143 (Old)
4-4 Mfd., 150-450 V.
1"x1½"x3¾" Fibre Box
3J9230—List, $1.05
Your Price..... **45¢**

Part Number 68531-2
4x8x10 Mfd., 450x200x50 V. 5"x1⅛" Alum. Can
3J9997—List, $2.40
Your Price..... **$1.41**

Part Number 68560-2
4x8x10 Mfd., 450x200x50 V. 5½"x1⅛" Tub. Cart.
3J9998—List, $2.20
Your Price..... **$1.29**

SIMPLEX
Models P, R
4-4 Mfd., 450 Volts
2⅛"x⅞"x4" Fibre Box
3J9950—List, $1.20
Your Price..... **71¢**

Model S, V
4-20 Mfd., 150 Volts
1"x1"x4¼" Fibre Box
3J9951—List, $1.30
Your Price..... **76¢**

SPARTON
Models 410, 589, 600, 931, etc. Pt. #B2327
5-15 Mfd., 500 Volts
2½"x3½" Up. Alum. Can
3J9954—List, $2.30
Your Price..... **$1.35**

Sparton—Continued
Model 15. Pt. #B2748A
8-16 Mfd., 500 Volts
2½"x3½" Up. Alum. Can
3J9955—List, $2.35
Your Price..... **$1.39**

Models 61, 62
Part Number A-9550
5-5-25 Mfd., 175 Volts
1⅜"x1⅛"x2⅜" Fibre Box
3J9952—List, $2.10
Your Price..... **$1.23**

Models 71, 71B, 72, 78
Part Number A-9754
8-8 Mfd., 450 Volts
1¾"x5" Inv. Alum. Can
3J9953—List, $1.75
Your Price..... **$1.03**

Part Number A-11093
5-25-5 Mfd., 175 Volts
2"x⅝"x2⅜"x⅛" Fibre Box
3J9958—List, $1.95
Your Price..... **$1.15**

STEWART-WARNER
Part Number 81059
4-13-7 Mfd., 150 V.
3¼"x1⅛"x1¼" Fibre Box
3J9999—List, $1.95
Your Price..... **$1.15**

Models 10-20
Part Number 81698
5-5 Mfd., 25 Volts
¾"x¾"x1½" Fibre Box
3J9963—List, 75¢
Your Price..... **44¢**

Models R111, R115
Part Number 81959S
4-5-9 Mfd., 150 Volts
1¼"x1⅛"x3½" Fibre Box
3J9961—List, $1.40
Your Price..... **82¢**

Part Number 81959
4-13-7 Mfd., 150 Volts
3¼"x1⅛"x1¼" Fibre Box
3J9962—List, $1.95
Your Price..... **$1.15**

Models R112
Part Number 83111
8-8x5-5 Mfd., 250x25 V.
1¼"x1½"x3½" Fibre Box
3J9964—List, $2.15
Your Price..... **$1.26**

Part Number 83394
12 Mfd., 150 Volts
1"x1"x2¼" Fibre Box
3J9965—List, 85¢
Your Price..... **44¢**

Part Number 83962
10-5 Mfd., 25-350 Volts
2⅝"x1¼"x1⅜" Fibre Box
3J9966—List, $1.35
Your Price..... **79¢**

Part Number 83734
8-8 Mfd., 350 Volts
3⅛"x1⅝"x1¼" Fibre Box
3J9967—List, $1.50
Your Price..... **88¢**

Part Number 85764
40 Mfd. 100 V.
2¾"x1¼"x1⅜" Rect. can
3J9173—List, $1.60
Your Price..... **94¢**

UNITED MOTORS
Part Number 26508B
8-8x4-4 Mfd., 350-25 V.
1½"x1¼"x2¾" Fibre Box
3J9969—List, $2.20
Your Price..... **$1.29**

Part Number 6201
4-4-12 Mfd., 175 V.
2⅜"x1⅜"x1¼" Fibre Box
3J9174—List, $1.70
Your Price..... **$1.00**

U.S. RADIO (SEE APEX)

WELLS-GARDNER
Models 05A, 05B, 05AA, 05BA

MONTGOMERY-WARD
Airline Models 62-96, 62-98
Part Number 80944
4-12-16 Mfd., 150 Volts
2¾"x1⅜"x1⅝" Fibre Box
3J9971—List, $2.00
Your Price..... **$1.18**

WELLS-GARDNER
Part Number 80891-B
4 Mfd., 150 Volts
2¾"x1¼"x⅞" Fibre Box
3J9978—List, 60¢
Your Price..... **35¢**

16x4x6x8 Mfd., 450x350x150x100V.
3¾"x2½"x1½" Fibre Box
3J9976—List, $2.80
Your Price..... **$1.65**

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World Radio History

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FULLY GUARANTEED—Every condenser listed is of standard make and guaranteed quality. Aerovox, Tobe, Solar, Concourse, Curtis, Potter and other manufacturers of recognized quality. These condensers have a higher safety factor than the originals.

FAST SERVICE ON ANY REPLACEMENT—To secure replacement of a condenser not listed on these "Exact-Duplicate" pages, send the old unit to us along with the name and model number of the receiver. A duplicate will be shipped promptly.

THEY FIT—Mounting holes, color coded leads, capacities and voltages exactly like the original. Faithful duplications of every physical and electrical specification. No rewiring or redrilling necessary. Send your order to us for any replacement.

APEX (U.S. RADIO)
Model 5—Part #6201
4-4-12 Mfd., 175 Volts
1¼"x1¼"x2¾" Fibre Box
3J9155—List, $2.10
Your Price **$1.08**

AIRLINE (SEE WELLS-GARDNER)

ATWATER-KENT
Models 155 (1st, 2nd, 3rd). Parts #24602, 24955
8-8-8 Mfd., 150 Volts
1¼"x1¾"x3¾" Fibre Box
3J9155—List, $1.50
Your Price ..... **88¢**

Model 275, 825
Part Number 26158
8-14-8 mfd., 150 V.
3¾"x1¾"x1½" Rect. can
3J9154—List, $2.00
Your Price **$1.18**

8-8x8x10 mfd..150x100x 25 V.
3¼"x1¹¹⁄₁₆"x1¼" Fibre Box
3J9159—List, $1.75
Your Price **$1.03**

AUDIOLA
Part Number EL-7
8-8 Mfd., 300 Volts
4¼"x2⅛"x1¼" Rect. Can
3J9161—List, $1.70
Your Price **$1.00**

BALKEIT Model 41A
4-8-12 Mfd., 150 Volts
1¾"x4¾" Tub. Fibre Box
3J9162—List, $1.80
Your Price **$1.06**

BELMONT (FRESHMAN)
Part Number 103-8
2x5x6 mfd., 50x25x350V.
4¼"x1½"x1½" Fibre box
3J9166—List, $1.50
Your Price ..... **88¢**

Part Number 119-2
20 mfd., 25 V.
2⅝"x⅞"x¾" Fibre box
3J9150—List, 60¢
Your Price ..... **36¢**

Part Number 119-3
8-16x5-5 mfd., 100x25 V.
3"x1½"x1⅝" Fibre box
3J9151—List, $2.00
Your Price **$1.12**

Part Number 119-11
4x3x4 mfd., 300x250x25V
2⅝"x1¾"x1½" Fibre Box
3J9152—List, $1.60
Your Price ..... **94¢**

Part Number C-507
4-8 Mfd., 450 V.
1⅛"x1⅜"x1⅛" Fibre Box
3J9153—List, $1.35
Your Price ..... **79¢**

Part Number C-525-B
5-25-5 Mfd., 100 Volts
2⅜"x1¾"x1¾" Fibre Box
3J9165—List, $1.75
Your Price **$1.03**

Part Number C-525-C
5-25 Mfd., 100 Volts
2⅜"x1⅜"x1¹⁵⁄₁₆" Fibre Box
3J9163—List, $1.40
Your Price ..... **76¢**

Part Number C-525-D
5 Mfd., 100 Volts
2⅜"x¾" Tub. Cartridge
3J9164—List, 55¢
Your Price ..... **32¢**

BOSCH
Part Number 29505
5-15-5x5 Mfd., 150x25 V
2½"x1¾"x1½" Fibre Box
3J9939—List, $2.80
Your Price **$1.65**

8-6 Mfd., 450 V.
2½"x2¼"x1½" Fibre Box
3J9940—List, $1.45
Your Price ..... **85¢**

5-8-12x12 Mfd., 150x25V
2⅜"x1¾"x1½" Fibre Box
3J9941—List, $2.25
Your Price **$1.32**

CLARION (T.C.A.)
Model G422. Pt. #P4717
16-4 Mfd., 150 Volts
⅞"x1¼"x2¾" Fibre Box
3J9198—List, $1.55
Your Price ..... **91¢**

COLONIAL
Part Number R-8053
8-8-8 Mfd., 200 Volts
2¹³⁄₁₆"x2½"x1⅝" Fibre Box
3J9169—List, $1.90
Your Price **$1.12**

Part Number 8249
8x8 Mfd., 200x300 V.
4"x1¼"x1¼" Fibre Box
3J9942—List, $1.65
Your Price ..... **97¢**

Part Number R-8357
8-20 Mfd., 150-20 Volts
2⅞"x1¾"x1¼" Fibre Box
3J9171—List, $1.35
Your Price ..... **76¢**

Part Number 8431
8-8 Mfd., 150 V.
2¼"x1¹⁵⁄₁₆"x1⅜" Fibre Box
3J9943—List, $1.45
Your Price ..... **85¢**

Part Number R-8449
8-8-35 Mfd., 150-150-20
2½"x2"x1¾" Fibre Box
3J9172—List, $2.10
Your Price **$1.23**

Part Number R-8515
4x8 Mfd., 150x200 V.
2¼"x1⅜"x1⅛" Fibre Box
3J9944—List, $1.25
Your Price ..... **73¢**

8-8-8 Mfd., 200 V.
2¹³⁄₁₆"x2½"x1½" Fibre Box
3J9945—List, $2.30
Your Price **$1.35**

Part Number 9780
8-8x10 Mfd., 300x25 V.
4⅛"x1⅛"x1⅛" Fibre Box
3J9946—List, $2.10
Your Price **$1.24**

CROSLEY
Models 124, 125
Part Number 124, 125
6-8 Mfd., 450 Volts
4⅛"x1⅛"x1⅛"Fibre Box
3J9937—List, $1.45
Your Price ..... **85¢**

Part Number W-24779
8 Mfd., 175 Volts
2¼"x1"x1" Fibre Box
3J9194—List, 75¢
Your Price ..... **44¢**

Travette Models 95, 163
Part Number W25857B
8-8 Mfd., 25-200 Volts
1¾"x1¾"x2¾"Fibre Box
3J9178—List, $1.00
Your Price ..... **50¢**

Models 129-1, 130, 130-1, 132-1, Pt. #W26119
8-4 Mfd., 150-300 Volts
1¼"x1¼"x2¾"Fibre Box
3J9183—List, $1.15
Your Price ..... **61¢**

Dual Travette Models 96, 150, 155, 163
Part Number W26870A
6 Mfd., 25 Volts
⅝"x2¼" Tub. Cartridge
3J9179—List, 50¢
Your Price ..... **29¢**

Model 146. Pt. #26986, W26896A
12-6 Mfd., 300-25 Volts
1"x1¼"x¾" Fibre Box
3J9181—List, $1.30
Your Price ..... **76¢**

Models 148, 167 Fiver
Part Number W27488
8-6 Mfd., 25-300 Volts
1¼"x1¼"x2¾"Fibre Box
3J9180—List, 95¢
Your Price ..... **56¢**

Part Number W-27676
4-4 Mfd., 175 V.
2¼"x1"x1" Fibre Box
3J9947—List, $1.85
Your Price ..... **51¢**

Part Number W27677A
8-8 Mfd., 25-35 Volts
2¹³⁄₁₆"x1¼"x1¼"Fibre Box
3J9195—List, 75¢
Your Price ..... **44¢**

Crosley—Continued
Travette Models 99, 163, 400, 402
Part Number W28068
12 Mfd., 200 Volts
1¾"x1¼"x2¼"Fibre Box
3J9182—List, 95¢
Your Price ..... **56¢**

Model 160. Pt. #W28468
8-12 Mfd., 350-475 V.
1¾"x5¼" Inv. Alum. Can
3J9187—List, $1.95
Your Price **$1.15**

Models 164, 170, 171 Pt. #W29097A and B
8-8-8 Mfd., 450-450-250
1¾"x5" Inv. Alum. Can
3J9188—List, $2.20
Your Price **$1.29**

Models 167, 169. Pt. Number W29150A and B
6-7-8 Mfd., 450-400-25
1¼"x4⅛" Inv. Alum. Can
3J9186—List, $1.90
Your Price ..... **95¢**

Models 166, 172
Part Number W29264A
10-16-8 Mfd., 125-100-25
1⅝"x3½" Rd. Fibre Cont.
3J9189—List, $2.00
Your Price ..... **75¢**

Part Number 29809
8x8 Mfd., 250x25 V.
2¼"x1⅛"x1⅛" Fibre Box
3J9948—List, 95¢
Your Price ..... **56¢**

Models 129-1, 130-1, 132, 136-1, 157. Part Number #B30017
4-8 Mfd., 450 Volts
1¾"x4¾" Up. Alum. Can
3J9184—List, $1.45
Your Price ..... **85¢**

Models 129-1, 157, 136-1, 130-1, 132. Part Number #B30018
8-8 Mfd., 450 Volts
1¾"x5" Up. Alum. Can.
3J9185—List, $1.60
Your Price ..... **94¢**

Model 175
Part Number 30059A
8-8-8 Mfd., 450-250-450
1¾"x6½" Inv. Alum. Can
3J9191—List, $2.25
Your Price **$1.32**

Model 173, 173-5
Part Number W30124
16-16-8 Mfd. 100-125.125.
1¼"x4⅛" Rd. Fibre Cont.
3J9192—List, $2.15
Your Price ..... **98¢**

Emmerson
Models 20A, 25, 25
Part Number HC-31
4-4 Mfd., 200 Volts
1"x1"x2¾" Fibre Box
3J9204—List, $1.00
Your Price ..... **54¢**

Models 20A, 25, 25A
Part Number HC-32
5-5 Mfd., 35 Volts
⅞"x1"x1⅞" Fibre Box
3J9205—List, 75¢
Your Price ..... **40¢**

Model 250W.
Part Number KC-68
4-8-16 Mfd., 175 Volts
1"x1⅞"x4" Fibre Box
3J9207—List, $1.80
Your Price ..... **89¢**

Part Number KC-68
4-8-16 Mfd., 175 Volts
1"x1½"x4½" Fibre Box
3J9208—List, $1.80
Your Price ..... **89¢**

Part Number TC-89
4-12-16 Mfd., 150 V.
2"x1½"x1½" Fibre Box
3J9949—List, $1.90
Your Price **$1.12**

Part Number GGC-137
8-16x5-5 Mfd., 175x35 V.
4"x1½"x1" Fibre Box
3J9987—List, $2.10
Your Price **$1.24**

Part Number UUC-179
12-8x5-5 Mfd., 150x25 V.
4"x1¼"x1" Fibre Box
3J9988—List, $2.15
Your Price **$1.27**

Emmerson—Continued
Part Number 2DC-203
8-16 Mfd., 150 V.
2½"x2"x1" Fibre Box
3J9989—List, $1.35
Your Price ..... **79¢**

FADA
Model RN
Pt. #4-1362-MS
8-16 Mfd., 200 Volts
1¾"x3½" Up. Alum.Can
3J9210—List, $1.70
Your Price ..... **86¢**

FRESHMAN (SEE BELMONT)

GENERAL ELECTRIC
Models K60, K65, K63
Part Number 6487
4-4x10-4 Mfd., 300-150 V.
1¼"x1½"x3¾" Fibre Box
3J9220—List, $2.00
Your Price **$1.18**

Model B52
Part Number 6492 (New) 66140 (Old)
3.6-1 Mfd., 200-100 V.
⅞"x2½" Tub. Cartridge
3J9221—List, 75¢
Your Price ..... **44¢**

Model L50, L51
Part Number 6510
8 Mfd., 150 Volts
⅞"x2½" Tub. Cartridge
3J9224—List, 75¢
Your Price ..... **44¢**

Model L50, 51
Part Number 6511 (New) 66160-2 (Old)
8-4-10 Mfd., 150-100-25
1¼"x1¼"x3¾" Fibre Box
3J9222—List, $1.40
Your Price ..... **82¢**

Model L50, L51
Part Number 6518 (New) 66160 (Old)
8-8 Mfd., 250-175 V.
1¼"x1⅞"x3⅛" Fibre Box
3J9223—List, $1.30
Your Price ..... **73¢**

Models K40, K40A
Pt. #3536 or #6513 (New) 66140-2 (Old)
5-5 Mfd., 35 Volts
⅞"x2½" Tub. Cartridge
3J9218—List, 75¢
Your Price ..... **44¢**

Model K40A
Part Number 3538 (New) 66140 (Old)
4-4 Mfd., 175 Volts
¹³⁄₁₆"x2¼" Tub. Cartridge
3J9219—List, $1.00
Your Price ..... **50¢**

Model K40A. Pt. #6535
4-4 Mfd., 150-300 Volts
⅞"x3½" Tub. Cartridge
3J9225—List, $1.25
Your Price ..... **68¢**

Models K78, K79
Part Number 6555 (New) 66143-2 (Old)
10-4 Mfd., 300-150 V.
1"x1½"x3½" Fibre Box
3J9226—List, $1.45
Your Price ..... **85¢**

Models C-30, K43
Part Number 6661 (New) 66185-2 (Old)
8-8x5-5 Mfd., 450-50 V.
1¹¹⁄₁₆"x1⅞"x4¾" FibreBox
3J9227—List, $2.20
Your Price **$1.29**

Models K66, K66N
Part Number 6691 (New) 66189-2 (Old)
8-4-4-4 Mfd., 350-150-300-25 Volts
1½"x1½"x3¾" Fibre Box
3J9228—List, $2.25
Your Price ..... **81¢**

Models K64, M65, M68
Part Number 6703 (New) 66189-1 (Old)
8-4-4 Mfd., 350-150-300
1½"x1½"x3¾" Fibre Box
3J9229—List, $1.95
Your Price ..... **95¢**

Models K52, K53, K58
Part Number 7589 (New) 66143 (Old)
4-4 Mfd., 150-450 V.
1"x1½"x3½" Fibre Box
3J9230—List, $1.05
Your Price ..... **45¢**

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VOLUME CONTROL GUIDE

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
WELLS GARDNER & CO. GULBRANSON—Con't.							
80A	V. C.	202	$0.59	1220001	$0.88	G	$0.59
O-5-A, O-5-B	V. C.	776P	1.18	62-113	.88	G12-9(X300)	.88
0-5AA, 0-5BA	V. C.			62-115	.88	H	.59
062 Auto, 092, 073	V. C.	203	.59	72-105	.59	N	.59
072	V. C.			51-051*	.88		
06A	V. C.			306-002*	.88	D12	.59
10 tube series super	V. C.	201	.59	72-114	.59	F	.59
07A	V. C.	206	.59	62-116	.88	O-9	.88
00A	V. C.	780	.88	51-163*	.88	O	.59
00A	Tone			41-148*	.88	L	.59
C and CG. 9 in line (late Models)	V. C.	232	.59	74-509*	1.47	H	.59
9 in line (early Models)	V. C.			78-005*	.88		
022, 122	V. C.			72-174*	.88	L	.59
022, 122	Tone			41-099*	.88	L	.59
022, 122	N. S.			72-110	.59	E	.59
073	V. C.			62-105	.88	N	.59
502	V. C.			62-105	.88	N-9	.88
073	Tone			72-117	.59	K12	.59
092, 572, 07A, 022, 50	Tone			72-122	.59	L	.59
02A	V. C.			62-116	.88	P-9	.88
02A	Tone			72-132	.59	P	.59
06Z, 06W, Y6Z	V. C.			62-105	.88	N-9	.88
Y6X	V. C.			33-083*	1.18		
502	Tone			72-116	.59	O	.59
5 tube AC	V. C.			62-115	.88	O	.59
90 series	V. C.			74-556*	1.47		
23 series	V. C.			72-105	.59		
40	V. C.			72-110	.59	Y5MP	.59
20	V. C.	780	.88			N	.59
40A	V. C.			72-105	.59	N	.59
Arcadia 82	V. C.			74-601	1.47		
10B	V. C.	781P	1.18				
17B	V. C.	777P	1.18				
22A, 32A, 42A; 108	V. C.	779P	1.18				
27A	V. C.	778P	1.18				
ZENITH RADIO CORP.							
ZE3	V. C.			72-107	.59	B	.59
15, 16, 17, 60, 61, 62, 64, 67, 602-13-42-72, 392, 392A, 33, 34, 40A, 35APX, 35PX, 37A, 34P, 342P, 352, 352A,							
352PX, 362	V. C.	771-TP	1.76	62-104	.88	L	.59
52, 53, 54, 57, 522-32-42	V. C.	205P	1.18	62-042*	1.18	L	.59
11, 12, 14, 1st type	V. C.	771-TP	1.76	62-042*	1.18	L	.59
71, 72, 73, 77, 712, 722, 732, 777	V. C.	1434TP	1.76	75-614*	1.47	DRP-221-9	1.76
41, 42, 422, 362X, 33X	V. C.	771-TP	1.76			L-9	.88
80 Hypermetron, 81, 82, 89, 822, 892, 10, 11, 12, 102, 112, 122	V. C.	1434TP	1.76	62-042*	1.18	SRP-172	.88
80 Hypermetron, 81, 82, 89, 822, 892	Tone	205	.59	72-103	.59	N	.59
early 91, early 92	V. C.	705P	1.18	62-121	.88	N	.59
91, 92, 2014, 103 Early	Tone	203	.59	70-203	.59	N	.59
2014, 2017	N. S.			51-039*	.88		
Zenette, AH, CH, RH, LP	V. C.	729P	1.18	52-205	.88		
27, 39, 39A, 40A	V. C.	771-TP	1.76			C	.59
2018, 460 Auto	V. C.	573AS	.88	52-205	.88	J	.59
BH (2021)	V. C.	573	.59	52-205	.88	G-9	.88
2009 CP, 2009C, 5 table Zenette	V. C.	240	.59	62-100	.88	G12	.59
LH, MH, WH (2022)	V. C.	201	.59	52-205	.88	G	.59
6 tube Zenette A, B, C, D, (2004)	V. C.	205	.59	72-103	.59	K	.59
6 tube Zenette A, B, C, D, (2004), 10, 11, 12, 102, 112, 122, 770B, 2056, 462, 460 auto, 230, 240, 245, 210-5, 211-5, 250, 260, 272, BH (2021), 651HE, 660TD	Tone	205	.59	72-117	.59	K	.59
210-5, 211-5, 270-5, 210, 220	V. C.	573AS	.88	70-205	.59	H	.59
250, 260, 272	V. C.	203	.59	52-205	.88	H	.59
2056, 2056-1, 230, 240, 245, 711AC-DC	V. C.	203	.59	62-105	.88	N	.59
740	V. C.			51-163*	.88	O	.59
705, 706, 707, 711, 712, 750 (2052)	V. C.	947P	1.18	62-105	.88	O-9	.88
715, 755, 756, 474 (2053), 2056, 2056-1	V. C.	203AS	.88	62-105	.88	N-9	.88
760, 765, 767, 475 (2054)	V. C.	203AS	.88	62-105	.88	N-9	.88
770, 775, 780, 476B, 476A	V. C.	203	.59	62-105	.88	N-9	.88
760, 765, 767, 475, 712, 755, 756, 474	N. S.	276	.59	72-107	.59	B	.59
650-HD, 651-HE, 660-TD, 661-TE	V. C.	203	.59			N-9	.88
770, 775, 476B	N. S.	205	.59	72-117	.59	K	.59
2056, 2056-1	N. S.	234	.59	72-110	.59	E	.59
740	Tone	242	.59	41-148*	.88	L	.59
1st 103 (2017)	V. C.	706P	1.18			Y5MP	.59
806, 807, 8847, 850, 808, 809, 860, 861, 812, 870	V. C.					M	.59
825, 827, 829	V. C.					M-9	.88
460, 462, 500, 501, 503, 541, 515, 516, 600, 604, 605, 610, 616, 618	V. C.					N	.59
91 (type 1) 92 (type 1)	V. C.	706P	1.18			A5MP	.59
2047	V. C.	945	.88	72-102	.59		
2051	V. C.	944P	1.18	72-102	.59		
Ford car Radio	V. C.			2011113*	1.18		
Late 103 (2017)	V. C.			75-503	1.76	NN	1.47
805, 845, 970, 975	V. C.					N-9	.88
D6C, S6Q, A7D, A5D, A6-L, L6W, S7W, A7C, A6C A6D, L6D, N6S, V6	V. C.	811PG	1.18				
	V. C.	812P	1.18				

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Bargain Electrolytic Condensers

The highest quality condensers obtainable at these low prices. Although they are not equal in quality to the condensers listed on pages 74 and 75 they are excellent values. We guarantee them to operate as good or better than other condensers offered at these low prices.

Dimensions Given Are Close Approximations.

Single, Dual and Triple Dry Electrolytic Condensers

550 Peak D.C.

Moisture proof cardboard containers with mounting tabs and 6" long insulated leads. All dual section condensers have 4 wire leads. Small compact condensers.

Cap. Mfd.	Container L. W. D.	Stock Number	Your Price	Ten For
2	3/4 x 1 1/8 x 3/8	3F5165	17¢	$1.65
4	2 1/4 x 1 3/4 x 5/8	3F5166	20¢	1.95
8	2 1/4 x 1 3/4 x 5/8	3F5167	23¢	2.20
8-8	2 1/4 x 1 3/4 x 1 1/4	3F5168	44c	4.30
8-8-8	2 1/4 x 1 3/4 x 1 1/4	3F5169	56c	5.50

Low Voltage—For AC-DC Receivers

2 Section has 4 Leads—4 Section has Com. Neg.

Cap. Mfd.	Peak Volts	Container L. W. D.	Stock Number	Your Price	Ten For
8-8	200	2 7/8 x 1 x 5/8	3J5195	29c	$2.75
16-12	200	3 1/2 x 1 1/8 x 1	3J5196	39c	4.56
10-10	35				

Inverted Aluminum Case Dry Electrolytic Condensers

550 Peak D.C.

Containers and leads insulated. Both positive and negative leads are brought out through insulated threaded nipple. For single 3/4" hole mounting. Locknut included. All duals have four wire leads.

Cap. Mfd.	Container Diam. Ht.	Stock Number	Your Price	Ten For
4	1 1/8 x 2 3/4	3F5185	27¢	$2.56
8	1 1/8 x 4 1/8	3F5186	30c	2.90
4-4	1 1/8 x 4 1/8	3F5187	38c	3.70
8-8	2 1/8 x 4 1/8	3F5188	52c	5.10

Tubular Fibreboard Case Dry Electrolytic Condensers

With Flush Lug Type Mounting Screws

550 Peak D.C.

Container insulated. 6" insulated leads. Size 6-32 studs riveted flush with sides of case. Compact 1 1/2" diameter can. Dual condensers have 2 negative and 2 positive leads.

Cap. Mfd.	Container Diam. Ht.	Stock Number	Your Price	Ten For
8	1 1/8 x 4 1/8	3J5183	27c	2.59
4-8	1 1/2 x 4 1/8	3J5184	38¢	3.65
8-8	1 1/2 x 4 1/8	3J5193	40¢	3.85

Low Voltage—For AC-DC Receivers

4 Sections—Common Negative Lead

Cap. Mfd.	Peak Volts	Container Diam. Ht.	Stock Number	Your Price	Ten For
14-8	200	1 3/8 x 4 1/8	3J5197	29c	$2.75
10-10	35				

See Pages 74 and 75 for a complete line of Highest Quality dry electrolytic condensers.

MERSHON

Electrolytics

1 3/8" x 4 1/8" high. Container negative.

Stock Num.	Cap. Mfd.	Your Price
3J5891	4	15¢
3J5892	6	15¢
3J5893	8	17¢

POLYMET

Electrolytics

8-8-8 Mfd. *430 Peak V.* 3E5487—YOUR PRICE **67¢**

4" x 3 1/2" high.

4-4 Mfd. *430 Peak Volts* 3E5489—YOUR PRICE **29¢**

1 3/8" x 5 1/2" high. Stud mounting. Container is neg.

Bargain Power For PHILCO 511

3J4250—List Price, $7.00 YOUR PRICE **$1.65**

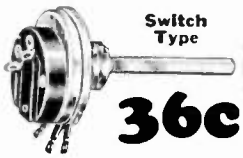
Part N. 3073

For replacement in Philco 511 or other seven tube radio sets using 4-26, 1-27, 1-71A and 1-80. Primary 105-125 volts, 60 cycles A. C. Secondaries 375 V. C.T. @ 37 Ma., 1.5 V. @ 4.3 amps., 2.5 V. @ 1.9 amps., 5 V. @ 2 amps.

4 Mfd. *430 Peak Volts* 3E6488—YOUR PRICE **19¢**

1 3/8" x 4 1/2" high. Stud mounting container negative.

Flatohm Controls

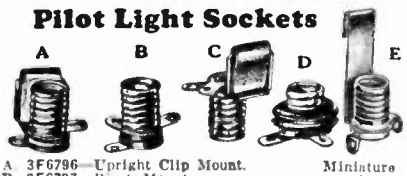


36c **27c**

Unusually thin volume and tone controls. The non-switch type extends only ¾" back of panel and the switch type extends only ⅝" back of panel. Especially adapted for use in compact receivers where space is limited. Standard ⅜" threaded bushing. ¼" diameter shaft is 1¾" long and milled flat on one side. Potentiometer type. Carbon resistance element. Insulated shaft.

Resistance Ohms	Stock Number: Plain Type	Stock Number: Switch Type	Taper	Circuit Location
1,000	3F3082	3F3165	R. H.	Antenna Shunt
2,000	3F3083	3F3166	Unif.	Antenna Shunt, C-Bias
3,000	3F3084	3F3167	Unif.	Antenna Shunt, C-Bias
5,000	3F3085	3F3168	R. H.	Antenna Shunt
10,000	3F3086	3F3169	R. H.	Antenna Shunt, C-Bias
15,000	3F3087	3F3170	Unif.	Antenna Shunt, C-Bias
25,000	3F3088	3F3171	R. H.	Antenna Shunt, C-Bias
50,000	3F3089	3F3172	Unif.	Screen Volts, Tone Control
75,000	3F3090	3F3173	L. H.	C-Bias
100,000	3F3091	3F3174	Unif.	Screen Volts, Tone Control
250,000	3F3092	3F3175	R. H.	Audio Shunt, Tone
500,000	3F3093	3F3176	R. H.	Audio Shunt, Tone
1 Meg.	3F3094	3F3177	R. H.	Audio Shunt, Tone

Pilot Light Sockets



EACH **5¢**
Ten for **45c**
Per 100 **$3.95**

A. 3F6796—Upright Clip Mount.
B. 3F6797—Rivet Mount.
C. 3F6798—Reverse Clip Mount.
D. 3F6799—Rubber Grommet Mount.
E. 3F6770—Long Up. Clip Mount.

Miniature base sockets for pilot lamps. Carefully insulated. Lug connection mountings. No bulbs included.

Dial Lite Coloring

3F2051—List, 50c. YOUR PRICE .... **29¢**

Kit includes five ¼ oz. screw top bottles: Red, Green, Blue, Amber and Solvent. Dip dial light in the coloring and the job is done. Dries in one minute. Color remains permanently. Many new sets have several colored dial lites. Replace with one of the same color and ask more money for the job.

See Page 86 for the most complete selection of dial lites ever listed. Lites of various colors are also included.

Extension Connector

Eyelet anchors securely fasten cords and relieve strain from terminals.

3C2300—
YOUR PRICE, Each .. **6¢**
Ten for **55c**
Per hundred **$4.95**

Fahnestock Connectors

Wires held firmly in spring grip, may be instantly released.

3C2243—Single connector. Turn down corners prevent turning.
Dozen **11c**
Per Hundred **65c**

3C2244—Double connector.
Dozen **27c**
Per Hundred **$1.59**

Readrite Battery Tester

Long insulated cords, with contact prod on each end included.

3F2695—Storage Battery Tester. Indicates condition of battery and when to charge.
YOUR PRICE ..... **59¢**

3F2696—0-50 volts "B" Battery Test Meter.
YOUR PRICE ..... **59¢**

3F2697—0-50 volts; 0-40 amperes. Combination "B" and "A" battery tester.
YOUR PRICE ..... **88¢**

Standard Jack Plug

3C6362—
List, 35c.
Each **10¢**
Ten for **95c**

Moulded body 1⅛ inch diameter with eyelet for anchoring cord.

Two Way Jack Plug

3C6363—List Price, 50c.
YOUR PRICE EACH ..... **19¢**
Ten for **$1.82**

Screw connections for two sets of cords with either tip or loop ends. Has loop for attaching stay cord. Unbreakable fiber barrel.

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
STROMBERGCARLSON —Con't.							
523, 524, 734-B, 744-B	V. C.			72-103	$0.59	Y50MP	$0.59
635, 636 Short Shaft	V. C.	32	$0.88	72-161*	.88	SRP-901	.88
Double Shaft	V. C.	1437	.88	72-162*	.88	SRP-961	.88
638, Short Shaft	V. C.	372	.88	72-209*	.88	SRP-269	.88
Double Shaft	V. C.	1437	.88	72-210*	.88	SRP-961	.88
846, 848 Double Shaft	V. C.	1684	.88	72-206*	.88	SRP-962	.88
Long Shaft	V. C.	31	.88	72-205*	.88	SRP-900	.88
641, 642, 652, 654 Long Shaft	V. C.	31	.88	72-159*	.88	SRP-900	.88
Double Shaft	V. C.	1436	.88	72-160*	.88	SRP-960	.88
55, 56	V. C.	967	.88	70-205	.59	G	.59
68	V. C.	2024	.88			G	.59
55, 56	Tone			72-121	.59	M	.59
29	V. C.	865	.88		.88	N	.59
29	Tone	203	.59	62-105	.88	N-9	.88
60	V. C.	2089	.88			P	.59
1st 38, 1st 39, 1st 40, 1st 41	Tone					UC503	.59
501, 501A, 501B, 502, 502A, 502B	V. C.	204	.59			T	.59
601, 602, 633, 634	V. C.	204	.59			Q	.59
TEMPLE CORP.							
8-60, 8-80, 8-90	V. C.	201	.59	70-204	.59	F12	.59
8-61, 8-81, 8-91, 5-55	V. C.	1618T	1.47	74-515*	1.47	DRP240	1.47
Battery	V. C.	203	.59	72-105	.59		
150, 150 Super 110, 119	V. C.			62-110	.88		
AC80	V. C.			70-205	.59		
TRANSFORMER CORP OF AMERICA (Clarion)							
51, 53, 56, 60, 60 Jr., 26-C-60	V. C.	205	.59	62-111	.88	Y	.59
55	V. C.	205	.59	51-005*	.73	Y	.59
40	V. C.	277W	.59	55-004*	1.18	A5MP	.59
61, 79	V. C.	201	.59	79-006	.59	H12	.59
80, 25-80, 81, 25-81, 84, 25-84, 85, 25-85	V. C.	573	.59	72-114	.59	G	.59
83	V. C.			79-006	.59		
90, 90A, 91, 92, 94, 25-94, 95, 25-95	V. C.	274W	.59			A400P	.59
90, 90A, 91, 92	Tone	573	.59	62-113	.88	G	.59
94, 25-94, 95, 25-95	Tone	274W	.59	62-114	.88	G	.59
120, 121, 139	V. C.	573	.59	70-205	.59	G	.59
120, 121, 139, 160, 25-160	Tone	242	.59	62-122	.88	L	.59
G 1349	V. C.	276W	.59	62-107	.88		
160, 25-160	V. C.	276W	.59	62-107	.88	A10MP	.59
AC220, 25-220	V. C.	277W	.59	72-109	.59	A5MP	.59
AC100	V. C.	277W	.59	55-004	1.18	A5MP-9	.88
AC280, 25-280, 240, 25-240, 480	V. C.	242	.59	72-105	.59	O	.59
260, 25-260	V. C.	242	.59	72-105	.59		
300, 340	V. C.			306-001*	1.18	G12	.59
AC420	V. C.	790P	1.18	62-105	.88	N-9	.88
422, 425, 440	V. C.	791P	1.18	62-119	.88	J(B3)	.59
423	V. C.	969P	1.18	62-119	.88	J(B3)	.59
320	V. C.	980	.88	72-113	.59	G12	.59
470	V. C.	785	.88	72-105	.59	UC502	.59
470	Tone	786P	1.18	62-122	.88	L	.59
450	V. C.	787	.88	72-105	.59	Y	.59
220, 260, 280, 300, 480, 340	Tone			62-122	.88	L-9	.88
450	V. C.			62-105	.88	N	.59
G120	V. C.			70-205	.59		
G1349	V. C.	276	.59	62-107	.88		
G240	V. C.	784P	1.18			L-9	.88
G-120, G-160	Tone	242	.59	62-122	.88	L-9	.88
10	V. C.			62-121	.88		
TC20, TC21	V. C.					N-9	.88
G220, G240, G260, G280	Tone	805P	1.18	62-122	.88		
U. S. RADIO & TELEVISION CORP.							
500, 700	V. C.				.88	F	.59
7D	V. C.			52-205	.88	C12	.59
7 series, 69 chassis 906	V. C.	203	.59	72-105	.59	M	.59
7 series	N. S.	208	.59	72-121	.59	M	.59
7D, chassis 700, 7 series	Tone	281	.59	72-121	.59	M	.59
8 series, 10 series, 1000, 1001	V. C.	206	.59	72-116	.59	O	.59
9, 19, 1006, 1007, 1009, 3070 chassis, Class B, 12	V. C.			62-121	.88	M	.59
Apex 29, 33	V. C.	560	.59	79-006	.59	G12	.59
31	V. C.	560	.59	52-205	.88	G12	.59
32, Apex 49 Batt, #30 Auto	V. C.	560	.59	72-115	.59	G12	.59
Gloriotone #20, 99 series	V. C.	560	.59	72-113	.59	G12	.59
Gloriotone 28, 29, Apex 41, 42, 43, 44, 46, 46A, 47, 47A, 48, 48A	V. C.	274	.59	72-118	.59	A400P	.59
Gloriotone early 27	V. C.	276	.59	72-107	.59	UG500	.59
Gloriotone late 27	V. C.	678P	1.18	99-006	.88	G12-9	.88
Case 80, Case 81	V. C.	201	.59	72-100	.59	G	.59
Apex 36, 37, 50, 60, 90	V. C.	201	.59	70-205	.59		
160, 250, 400, 500, 3040, 3056, 24	V. C.	201	.59	62-119	.88	Y	.59
1010	V. C.			62-105	.88		
1010	Tone			72-121	.59		
Apex 28, 29, 31, 32, 31 Remote	Tone	203	.59	72-105	.59	N	.59
Chassis 1200	V. C.	819T	1.47	62-121	.88	M	.59
5A, 25, 25A	V. C.	240AS	.88	52-205	.88	G12	.59
26	V. C.	560	.59	72-113	.59	G12	.59
26P	V. C.	677	.88	72-113	.59	G12	.59
1006, 1007, 3070	Tone			72-122	.59	K12	.59
12, 120	V. C.	2084	.88				
WELLS GARDNER & CO. GULBRANSEN							
Arcadia 72	V. C.	202	.59	1220001*	.88	H12	.59

Wells Gardner & Co. Gulbransen—Con't. on next page

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World Radio History

VOLUME CONTROLGUIDE

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
SPARKS-WITHINGTON (Sparton)—Con't.							
410, 420 Junior Jewel, 430, 750, 870, 931	V. C.	1717TP	1.76	75-543*	1.76	DRP-246	1.47
9-A, 600-A, 610-A, 620-A	V. C.	1717TP	1.76	75-543*	1.76	GK	1.47
56	V. C.	360P	1.18			C	.59
14, 34, Auto, 40 Auto, 54 Batt.	V. C.	694	.88	72-121	.59	M	.59
14, 15, 30, 45 Visionola, 25, 26, 51, 54, 35, 235, 52, 56	Tone	205	.59	72-117	.59	K12	.59
14	N. S.	233	.59	72-108	.59	D	.59
16, 16AW, 18, 27A, 28	V. C.	283	.59	62-114	.88	G-9	.88
18, 27A, 28	Tone	242	.59	72-122	.59	L	.59
31, 32, 51, 52, AR19 auto	V. C.	489	.88	72-132	.59	UC507	.59
10	V. C.	360P	1.18			A2MP	.59
39	V. C.	998	.59	70-203	.59	N	.59
89A, 600, 610, 620, 235, 27AC, 29, 750, 564, 737, 870, 111A, 574	V. C.	655	.88	1010964*	.88	SRP258	.88
41	V. C.	241	.59	70-206	.59	J	.59
130	V. C.	774	.88	72-110	.59	E	.59
81, 82	V. C.	2016	.88	72-102	.59	Y	.59
45 Visionola, 25, 26, 35	V. C.	358P	1.18	72-110	.59	E	.59
15	V. C.	359P	1.18			UC500	.59
71, 71B, 72, 78, 61, 62, 43 Police Auto	V. C.	2017P	1.18	62-121	.88	M-9	.88
74	V. C.	2018	.88	72-121	.59	M	.59
33 Auto, 33B, Triolian	V. C.	2030P	1.18	62-121	.88	M-9	.88
72, 78, 74	N. S.	2019	.88	72-110	.59	E	.59
6-26	V. C.	204W	.59			R	.59
5-26	V. C.	204W	.59			S	.59
30, 30A	V. C.					A5MP	.59
75A, 475A, 478A	V. C.	2038	.88			M	.59
80, 83, 84, 85X, 86X, 104, 42	V. C.					M	.59
54	V. C.	208	.59	72-121	.59	M	.59
69, 79, 89, 89A, 110, 930, 931 D.C., 301DC, 589, 591, 593, 101, 103, 109, 110	V. C.	357	.88	1010963	.88	SRP154	.88
	V. C.	357	.88	1010963	.88	SRP-154	.88
301AC, 931AC	V. C.	357	.88	1010963	.88	K	.59
109, 101, 103	V. C.	357	.88	72-107	.59	SRP-154	.88
930, 931, 301	V. C.	357	.88	70-206	.59	SRP-154	.88
65, 66, 65T, 66T, 67, 68	V. C.					M-9	.88
76	V. C.	2037P	1.18			M-9	.88
17	V. C.		1.18			G	.59
STEWART-WARNER CO.							
300, 310, 325	V. C.	274W	.59	79 006	.59	X	.59
305, 315, 320, 330, 385, 390	V. C.	274W	.59	72-118	.59	X	.59
335, 340	V. C.	274	.59		.59	A400P	.59
300, 305, 310, 315, 320, 325, 340, 330, 335	Fila.	274W					
	Control	204	.59			R	.59
363	V. C.	278	.59	70-204	.59	E	.59
355,360,500,520,525, Batt.							
811, 811-A, 808, 802, 750	V. C.	202	.59	70-202	.59	UC510	.59
105	V. C.	202	.59	72-117	.59	K12	.59
105	Tone			62-122	.88	L	.59
530, 535	V. C.	234W	.59		.59	E	.59
715, 720	V. C.	201	.59		.59	G	.59
950AC series, R100A	V. C.	298	.88	30-010*	.88	SRP-245	.88
R100B, R100E, R100	V. C.	298	.88	30-010*	.88		.88
950 Batt, 950 DC, 951 Batt, 951 DC, 952 Batt, 952 DC, 953 Batt, 953 DC.	V. C.	1759T	1.47	4010901*	1.47	LM	1.47
970AC, 970DC, 971DC, 972 DC, 973DC, 980 Batt, R-100-C-DC	V. C.	1759T	1.47	74-602	1.47	LM	1.47
R100A, R100B, R100E, R100F, R100C	Tone	201	.59	72-117	.59	K12	.59
R-102A, R-102B, R-102E	V. C.	201	.59	72-114	.59	G7	.59
R-104A, R-104B, R-104E	V. C.	612	.88	62-105	.88	N	.59
R-104-A-B-E, 102	Tone			72-117	.59	K12	.59
R-106A	V. C.	611P	1.18	62-105	.88	N	.59
R-106A	N. S.	611P	1.18	52-205	.88	F	.59
R110A, R110E	V. C.	682P	1.18	62-106	.88	N-9	.88
109 series, R110, R111, R115, R116, R119	V. C.	683P	1.18	62-105	.88	N-9	.88
1201, 1209, 112, 1121, R112 Auto	V. C.	939P	1.18	62-106	.88	N	.59
R120A	V. C.		.59	72-105	.59	N	.59
R120EF	V. C.					N-8	.94
108, 108X	V. C.	203AS	.88	62-105	.88	M	.59
R120EF	Tone	279	.59	62-102	.88	J-9	.88
000 Series	V. C.			28-031*	.88		
R117	V. C.	2015P	1.18				
202A, 202B, 202E	V. C.					G12	.59
901, 902, 903, 911, 912, 913	V. C.			28-031*	.88	K	.59
1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098	V. C.					N	.59
1171, 1172, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1271 to 1279	V. C.					N-9	.88
1201, 1209	Tone					Y-9	.88
STROMBERG-CARLSON							
16DC, 17DC	V. C.	482	.88	72-107	.59	SRP-260	.88
10, 11, 25, 26	V. C.	481	.88	72-107	.59	SRP-260	.88
12, 14, 27	V. C.	483	.88	72-042*	.88	SRP-213	.88
22, 24,	V. C.	484	.88	72-082*	.88	SRP-216	.88
37	V. C.	803T	1.47	75-545*	1.76	MM	1.47
38, 39, 40, 41	V. C.	1872TP	1.76	75-545*	1.76	MM	1.47
52, 54	V. C.	801T	1.47	62-121	.88	N	.59
33 Auto, 48, 49, 50, 51	V. C.	800T	1.47	74-580*	1.47	O	.59
48, 49, 50, 51	Tone			52-041*	1.18	M-9	.88
64	V. C.	2021	.88	62-121	.88	P-9	.88

Stromberg-Carlson—Con't. on next page

SPRAGUE Interference Analyzer

Shows Exactly Where Interference Originates and How to Eliminate It!

3J2627—Complete with adapters YOUR PRICE **$9.55**

21 Different Filtering Combinations

Indicates exactly what condensers and chokes are needed to eliminate radio interference. Connects in the circuit of the electrical appliance suspected of causing interference. With the radio turned on the Analyzer switching device is adjusted to the various positions indicated on the panel. This automatically connects different filter banks into circuit until the combination is found which eliminates the interference most effectively. Reference is then made to an instruction chart which specifies condensers and chokes to be used. The same results are obtained from the individual condensers (and chokes, where necessary) that were secured with the use of the Analyzer. The exact same combination of condensers that were used to eliminate the interference with the analyzer are specified on the chart. No guess work—no lost motion. Compact bakelite case 4½"x7"x3". For use on 110 volts.

Demonstrate

It is possible to demonstrate to your customer just how interference may be eliminated by use of the proper filtering equipment. With the use of this Analyzer you can guarantee the job before you invest one penny in equipment.

Opportunities

Build new business—open vast new opportunities in eliminating interference from line noises, small appliance motors, oil burners, all types of electric motors, beer parlor equipment, flashing traffic lights, etc. The Analyzer will also help you sell good antenna systems by demonstrating noises picked up by the antenna.

SPRAGUE Interference Elimination Condensers & Chokes

Use as indicated by the Interference Analyzer listed above or as specified opposite each type listed. The highest quality and most efficient types of condensers and chokes available for interference elimination. Especially designed for the suppression of noise.

Type IF-50

3J8442—List, $1.75. YOUR PRICE **$1.03**

Individual unit oil impregnated, oil-filled condenser for small motors requiring higher capacity units. Two may be connected in series when necessary. Size, 3x1½".

Type IF-33, IF-21

A Tubular, 2-lead condenser for eliminating interference from fractional horsepower motors such as found in mixers, small fans, humidifiers, beer pumps, portable electric tools, hair driers, etc. See Diagram I.

3J8443—Type IF-33 Compact type. Size, 1¾x¾". List, 75c. YOUR PRICE ..... **44¢**

3J8444—Type IF-21 Standard type. Higher capacity. Size, 2¼x1⅛". List, $1.00. YOUR PRICE ..... **59¢**

Type IF-11

A Dual condenser for large type motors such as found on refrigerators, oil burners, sign flashers, lathes, etc. In obstinate cases of interference a choke may be required, but in 80% of the cases the condenser alone will suffice. see diagram II. Size, 4x1½".

3F8441—List, $2.50. YOUR PRICE **$1.47**

Type CH-1

3J8445 List, $1.35. Your Price **79¢**

Specially designed choke will carry up to 10 amperes the capacity approximately to use on 1 horse power motor. Enclosed in a sturdy metal can, self-mounting. Size, 2¼x2x1⅝".

DIAGRAM I—Showing how Type IF-33 or Type IF-21 Sprague Interference condensers may be connected across small motors. The two short condenser leads are connected across the motor as close to it as possible. Mounting Bracket or common terminal should be connected to motor frame.

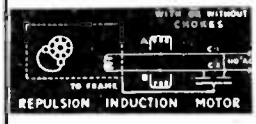

DIAGRAM II—A typical Type IF-11 condenser installation for any type motor. Metal condenser container is the common plate of the dual condenser. Make all connections as close to motor as possible. In obstinate cases of interference connect a series choke, Type CH-1 at points A or B or at both A and B.

Metal Box

For Mounting Above Unit Combinations

Standard metal cut-out boxes. Size: 6x6x3½". Houses various interference units. Hinged cover and knock-out holes. 3J8446 YOUR PRICE ..... **88¢**

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World Radio History

GERNSBACK'S
Official Radio Service Manuals
VOLUME V

1934-1935
Radio Receivers

3J5959
Your Price
Post Paid
$5.86

1000 Pages
3000 Illustrations
Only 1¼" Thick

Contains specific information accompanied with diagrams for each set released after publication of Volume 4. Cumulative index covers all previous volumes. Each copy contains coupons entitling owner to ask 24 questions on radio free of charge. Data covers all necessary information for servicing. Flexible loose-leaf leatherette cover, 9"x12".

VOLUME IV
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Over 2000 diagrams—over 400 pages—many valuable illustrations, charts, layouts and schematics. Data includes information on P.A. Systems, test equipment, radio tubes and auto radio. Flexible leatherette 9x12 in. binder.

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Covers 1932 and Early 1933 Receivers

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Over 700 pages of service information. 2000 illustrations. Data on S. W. Receivers, tubes, test equipment, etc. Flexible leatherette loose-leaf binder. Size 9x12 in.

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Covers Radio Receivers from 1923 to 1934

3J5954—Complete.
YOUR PRICE **$16.98**

Volumes 1, 2, 3, and 4 have been combined in one convenient binding. Contains over 2700 pages and 7500 diagrams. No pages or diagrams are duplicated. Contains a complete course in radio, needed in radio servicing. Includes all supplements. Extra heavy loose-leaf binder. Size 9x12x6 inches.

Official Auto Radio Service Manual
VOLUME I

3J5955
YOUR PRICE **$2.00**

Contains auto radio data up to June, 1934. Data covers proper use of resistors, condensers, chokes, aerials, etc. Including installation, and "B" power units. Nearly 200 pages. Flexible loose-leaf leatherette binder, 9x12 in.

VOLUME II

3J5957
YOUR PRICE **$2.09**

Covers 1934 and 1935 radios. Additional information to Volume I. Cumulative index. About 240 pages.

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An up-to-date library may be compiled with these Radio Craft Series. Easily understood authentic information, 64 pages. Fully illustrated. Bound in stiff covers.

3J5970—*"Public Address Installation and Service".*
3J5971 — *"Point-to-Point Resistance Measurements".*
3J5960—*"Radio Set Analyzers".*
3J5964 — *"Automobile Radio and Servicing".*
3J5962 — *"Bringing Electric Sets Up-to-Date".*
3J5961—*"The Superheterodyne Book".*

Any Book Your Price, Each **38c**

Refrigeration Service Manual

3J5956—Volume I.
3J5963—Volume II.
List, $5.00.
YOUR PRICE **$4.00**

VOLUME I

Completely explains and illustrates the procedure of servicing all standard type refrigerators. Explaining every part and tools necessary for servicing. 450 pages. 1200 illustrations. Size, 9x12 in.

VOLUME II

Contains many new and different methods of trouble shooting. Has every known refrigerator listed. No duplication with Volume I. Flexible leatherette cover. 350 pages.

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
SEARS ROEBUCK CO.							
1370	V. C.	573	$0.59	52-205	$0.88	H7	$0.59
1430, 1390, 1400, 1402, 1404, 1406, 1330, 1322, 1324, 1450, 218	V. C.	573	.59	99-006	.88	H9(B2)	.88
1580, 1582, 1584, 1590, 1592, 1630	V. C.	573	.59	99-006	.88	H12	.59
1480, 1482, 1484	V. C.	201	.59	79-006	.59	H	.59
1590, 1592, 1580, 1582, 1584, 1570, 1572, 1574, 1630, 1640, 1480, 1482, 1484, 1462	Tone	206	.59	72-105	.59	N	.59
F, FF, G, J, K	V. C.	201	.59	72-100	.59	H	.59
218	Tone	205	.59	72-117	.59	K	.59
Mentor, Model H	V. C.	1812TP	1.76			G12	.59
110	V. C.	234WAS	.88	62-110	.88	F	.59
111	V. C.	373	.59	79-006	.59	F	.59
111-A	V. C.	242	.59	72-104	.59	L	.59
112	V. C.	573	.59	98-003*	1.18		
1620, 1622 Batt.	V. C.	270	.59			U-9	.88
1703, 7064	V. C.	930P	1.18	62-131	.88	M(X300)	.59
1704, 1706, 1707, 7070, 7071, 7072	V. C.	929P	1.18	62-105	.88	N-9	.88
7073, 7074, 7075, 7076, 7077, 7078, 7090, 7091, 7092, 7093, 7094	V. C.	927P	1.18	62-105	.88	N-9	.88
1705	V. C.	925TP	1.76	1210901*	1.18	O	.59
1705	Tone	932	.88	72-116	.59	O	.59
1705	N. S.			72-118	.59		
1708, 1709, 1720, 1725, 7065	V. C.	926T	1.47	72-105	.59	N	.59
1708, 1709, 1712, 1713, 1714, 1721, 1722, 1732	Tone	928	.88	72-105	.59	N	.59
1710	V. C.	931	.88			U	.59
1711, 7090	V. C.	933	.88			U	.59
1714	V. C.	932	.88	72-132	.59	O	.59
1721, 1722, 1732, 1722-X, 1732X	V. C.	924T	1.47			NE	1.47
1750	V. C.	928	.88	72-105	.59	N	.59
1720, 1725, 7065, 1750	Tone	934P	1.18	62-105	.88	N-9	.88
501, 502	V. C.	201	.59	72-115	.59	H	.59
1721	N. S.			72-107	.59		
1700, 7062	V. C.	233WAS	.88			D12-9	.88
44	V. C.					H(B1)	.59
1800, 7114, 7121	V. C.					SRP263	.88
1082, 1083, 1801, 1802, 1803, 1803A, 1807, 1804, 1805, 1820, 1821, 1826, 1827, 1828, 1840	V. C.					N-9	.88
7110	V. C.					Y250MP	.59
7126	V. C.					UC509	.59
						UC509	.59
SENTINEL RADIO COR	P.						
8, 9, 29, 30, 5000, 5100	V. C.	573	.59	79-006	.59	H12	.59
11, 12, 14, 16, (104)	V. C.	201AS	.88	62-115	.88	G12	.59
104	V. C.	573AS	.88	99-006	.88	G-9	.88
108	V. C.	283AS	.88	62-114	.88	L-9	.88
108A, 111, 109, 99, 110	V. C.	560	.59	62-114	.88	F	.59
117, 108B	V. C.	560	.59	72-100	.59	F	.59
108, 108A, 108B, 109, 110, 114, 104, 106B	Tone	205	.59	72-117	.59	K	.59
31, 33	V. C.	233	.59	72-108	.59	D12	.59
513	V. C.	240	.59	62-113	.88	G-9(B2)	.88
550, 560, 561	V. C.	573AS	.88	99-006	.88	H-9(B2)	.88
570, 599	V. C.	201AS	.88	62-115	.88	H-9(B4)	.88
614	V. C.	203	.59	62-105	.88	N	.59
114	V. C.	203	.59	72-105	.59	N-9	.88
440	V. C.	201AS	.88	62-115	.88	G	.59
106B, 444, 660, 666C	V. C.	201	.59	72-115	.59	G12	.59
1020A, 1030A, 602	V. C.	203AS	.88	62-105	.88	N-9	.88
1020A, 1030A	Tone	205	.59	72-117	.59	K12	.59
1020A, 1030A	N. S.			72-108	.59	C-8	.94
622, 623, 634, 635	V. C.	208AS	.88	62-121	.88	M-9	.88
622, 623, 634, 635	Tone			72-117	.59	K12	.59
501, 502, 5100, 6101, 6102, 6100	V. C.					H12	.59
118	V. C.	203	.59	72-106	.59	N-9	.88
1040, 5500, 5700, 5721	V. C.					N-9	.88
600 Auto, 125, 6200, 6234, 6241, 7700, 7732, 7741	V. C.					N	.59
SILVERTONE (See Sears Roebuck Co.)							
SIMPLEX RADIO CO.							
D, Q-1931	V. C.	201	.59	52-205	.88	G7	.59
P Batt., P-1931	V. C.	726G	.88	72-114	.59	G12	.59
P-AC above 330001, P32V. above 35001	V. C.	935P	1.18	62-121	.88	M	.59
P Batt. above 173501	V. C.	935P	1.18	72-121	.59	M	.59
H (AC)	V. C.	233W	.59	62-108	.88	D-9	.88
J	V. C.	233	.59	62-108	.88	D12	.59
K	V. C.	201	.59	52-205	.88	G12	.59
R-(AC)	V. C.	936PG	1.18	52-205	.88	G12	.59
F, L	V. C.	205	.59	62-103	.88	K	.59
U	V. C.	937P	1.18	62-104	.88	L(X200)	.59
V	V. C.	937P	1.18	62-104	.88	UC510	.59
T, W, all wave	V. C.	938P	1.18	62-105	.88	N	.59
J, P Batt., P, P-1931, L, P-AC, P-32V	Tone	242	.59	72-122	.59	L	.59
H-AC	Tone	203	.59	72-105	.59	N	.59
G	V. C.	973TP	1.76	52-205	.88	G	.59
X	V. C.	240	.59			G12	.59
SPARKS-WITHINGTON CO. (Sparton)							
AC7, AC62, AC63	V. C.	202	.59	70-202	.59	E-9	.88
5, 9	V. C.	361P	1.18	52-205	.88	H	.59

Sparks-Withington Co. (Sparton)—Con't. on next page

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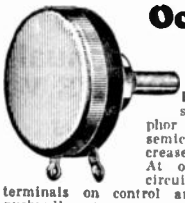
VOLUME CONTROL GUIDE

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
R.C.A.-VICTOR, INC.—	**Con't.**						
RE-18, RE-18A, RE-19, R21, RAE-26	V. C.	385	$0.88	1210900*	1.18	SRP-153	$0.88
R7A, R11, RE16A, RE18, RE18A, R21, RO23, RAE-26	Tone	380P	1.18	72-122	.59	Y200MP	.59
RAE26, RAE79, R80, R82, R86	Phono	384	.88	48-050	1.18	V	.59
RE59	Phono	661P	1.18	48-050	1.18	V	.59
R14 for 60 cycle	V. C.	271T	1.47	74-524*	1.47		
R15, RE17, R42, R48	V. C.	228T	1.47	74-526*	1.47	DRP-116	1.47
R14, R42	Tone	280	.59	62-111	.88	J	.59
Radiola 16, Victor 7-10, R20	V. C.	400	.88	48-006	1.18	R	.59
R80, R82, R86	V. C.	381G	.88	72-109	.59	A5MP	.59
112, 220V-AC or DC	V. C.	381G	.88	62-110	.88	A5MP9-1	.88
114AC-DC	V. C.	2065PG	1.18	62-110	.88	A5MP9-1	.88
R100, RC100, 101	V. C.	836P	1.18	62-109	.88	E-9(B2)	.88
R42	V. C.	570T	1.47	74-526*	1.47	GG	1.47
R47, 44, 46AC	V. C.	403	.88	72-108	.59	SRP-142	.88
R80, R82, R83 Remote Control Mod.	V. C.	724	.88	72-109	.59	A5MP	.59
Radiola 46 DC	V. C.	408	.88	72-103	.59	K	.59
RE35, RE39, RE57, RE73, RE34	V. C.	336T	1.47	74-524*	1.47	LM	1.47
RE35, RE39, RE57, RE73, RE34	Tone			72-132	.59	P	.59
RE35, RE39, RE57 Remote Control	V. C.	725T	1.47				
R60, R62	V. C.	404	.88	72-118	.59	SRP-138	.88
R66	V. C.	407	.88	72-118	.59	SRP-139	.88
R21	V. C.	205	.59	72-103*	.59	K	.59
R22	V. C.	205	.59	62-110	.88	SRP-134-9	1.18
P31	V. C.	206	.59	72-116	.59	O	.59
RC78	V. C.			4220900*	1.76		
RC78A, RAE84	V. C.			1210902*	1.18		
R78, RAE84	Tone	203	.59	72-105	.59	N	.59
R78, RAE84, R90	N. S.	383G	.88	72-110	.59	E-9	.88
R90	H. F.			72-132	.59	UC505	.59
	N. S.			72-110	.59		
	L. F.			72-120	.59	Y200MP	.59
R74, R76, R71, R72, R77, RE81	V. C.	205	.59	72-117	.59	K	.59
R71, R72	Tone	205	.59	72-117	.59	K12	.59
R74, R76, R77	Tone	281	.59	62-104	.88	L-9	.88
R70	V. C.	560	.59	70-205	.59	F	.59
R70, RE81, RE20	Tone	203	.59	62-105	.88	N-9	.88
RE80	V. C.	240	.59	70-205	.59	A10MP	.59
RE80	Tone	206	.59	62-116	.88	P	.59
RE80	Phono	240	.59	72-113	.59	TRP603-8	.88
SW adapter, SW10	V. C.	280	.59	70-206	.59	J	.59
R32, RE45, R52, RE75, RE154, RE156	V. C.	1706T	1.18	74-600*	1.47	DRP-115	1.47
R32, RE45, R52, RE75, RE154, 77	Tone	863	.88	72-116	.59	O	.59
R37, R38P	V. C.			1210901*	1.18		
R37, R38	Tone	203	.59	62-105	.88	N-9	.88
R28, RE40	V. C.	743PG	1.18	62-108	.88	D-9	.88
RE40	Tone	278	.59	72-110	.59		
RE45	Phono	773	.88	72-118	.59	A	.59
RE40, 300	Phono	278	.59	70-204	.59	E12	.59
310	Phono	278	.59	52-204	.88	E12	.59
RC98	V. C.	783PG	1.18	72-108	.59	D	.59
R100, RC100, 101	V. C.	2067P	1.18	62-109	.88	E-9(B2)	.88
RC104	V. C.	782PG	1.18	72-109	.59	E	.59
R84	V. C.	861	.88	72-103	.59	K	.59
R73A, 75	V. C.	862	.88	72-116	.59	P	.59
M32 Auto	V. C.	206	.59	72-116	.59	P	.59
M34 Auto	V. C.	281	.59			L	.59
RC106, R240, 140, 141E, AVR1	V. C.	916	.88	1-210-901*	1.18		
RC106, R240, 140, 141E, AVR1	Tone	921P	1.18	62-116	.88	O-9	.88
RC120, 330, 331	V. C.	917	.88	1-120-901*	1.18		
R120	Tone	919P	1.18	62-122	.88	L	.59
110, 111, 115	V. C.	2075PG	1.18	62-108	.88	D-9(B1)	.88
210	V. C.	2061PG	1.18	62-108	.88	D	.59
300	V. C.			62-103	.88	K-9(X150)	.88
301	V. C.					E-9	.88
310	V. C.	2061PG	1.18	62-108	.88	E-9-1	.88
135B, 235B	V. C.					M	.59
17M, R18-W, R27	V. C.	2073PG	1.18	62-131	.88	Y200MP	.59
RC38	V. C.	2063	.88	72-087*	.88		
262	V. C.	2080	.88	1220002*	.88		
RC834	V. C.			72-117	.59		
R92	V. C.			62-105	.88	N-9	.88
RC52	V. C.			72-111	.59		
118, 211	V. C.	2094P	1.18	2211903*	1.18	TRP603	.88
	H. F.					UC505	.59
260, 261, 280	Tone			72-132	.59		
	L. F.					Y200MP	.59
260, 261, 280	Tone			72-120	.59		
260, 261, 280	N. S.			72-110	.59		
260, 261, 280	V. C.	2066P	1.18				
R220, 222	V. C.	918	.88				
R220, 222	Tone	920P	1.18	62-122	.88	L	.59
Premax, P1	V. C.			62-131	.88	Y200MP	.59
R. K. RADIO LABS.							
RKB4, RKC4, RKP4	V. C.	963PG	1.18	52-205	.88	J-9(X500)	.88
RKS5, RKT4	V. C.	964PG	1.18	62-100	.88	G	.59
RK50, RK60L Radiokeg	V. C.	965P	1.18	62-105	.88	N-9	.88
RK60G Radiokeg	V. C.	965P	1.18	62-105	.88	N	.59
Arkayolo	V. C.	966P	1.18	62-105	.88	N-9	.88



Octave Tone Control

And Static Suppressor

Variable Capacity Control

Built on entirely new principle. Consists of a fixed condenser with 7 phosphor bronze contacts over which rotates a semicircular phosphor bronze plate which increases or decreases the capacity in circuit. At off position, control is entirely out of circuit. Where a single power tube is used, terminals on control are connected to grid and ground. In pushpull output, connect control to the two grids. The tone control is positively noiseless and helps eliminate noise and static of all kinds. Housed in one piece bakelite shell with metal backplate. Shaft length 1⅛" including ½" long threaded bushing which fits ⅜" hole. Extends only ⅝" behind panel. 1½" diameter.

Less Switch Stock Number	Your Price	Capacity Mfd.	With Switch Stock Number	Your Price
3F3007	35¢	.003	3F3012	47¢
3F3008	35¢	.006	3F3013	47¢
3F3009	41¢	.01	3F3014	53¢
3F3010	47¢	.015	3F3015	59¢
3F3011	53¢	.02	3F3016	65¢

Complete Cross-Index

Of General Electric, Graybar and Westinghouse Receivers Built by RCA Victor

You can easily find the correct control for any General Electric, Graybar or Westinghouse receiver. Locate on this chart the model number of the equivalent R.C.A. Victor receiver and refer to the R.C.A. Victor listing on pages 66 and 67 of the Radolek Replacement Volume Control Guide.

Model Numbers Identical to				Model Numbers Identical to			
General Electric	Westinghouse	Graybar	R.C.A. Victor	General Electric	Westinghouse	Graybar	R.C.A. Victor
JZ30			SW2	J87			R75
J70	WR17	GT7	R4				(47's)
T12	WR14	GB4	R5	J87A			R75
T12D			R5DC				(2A5's)
T12E	WR14CR		R5X	J105			R76
E52	WR9		T5	J107			R77
J75		GC13	R6	J125			R78
S22				J125A			R78(2)
S22X	WR10	GB8	R7				
S22(2)	WR10A	GB8A	R7A		WR23		RE80
				H31	WR5	GB700	Rad.80
J80	WR18	GT8	R8				
S42	WR12		R9		WR25		RE80
S132	WR15A	GB989	R10				SW
K62	WR15	GB9	R11	H51	WR6	GB770	Rad.82
J85		GC14	R12	51R	6R		82R
				H71	WR7	GB900	Rad.86
		GB300	Rad.16	71R	7R		86R
SZ42P	WR13		RE16	K106			R90
	WR13A		RE16A	K106P			R90P
BX,K41	WR26M		R17M	C30			91B
KZ62P				K43	WR32		100
			RE18, 18A	M41			101
				M40			102
K40A			R18W	C41	WR41		M105
		GB310	Rad.18	C60			M107
B1			Rad.21	K52			110
B2			Rad.22	K53	WR35		111
L50			R22S	L52	WR34		112
				L53			114
L51			R22W	K53M			115
JZ835	WR16		RO23	B52	WR42		M116
JZ822			R24	M51	WR48		118
JZ822A	WR24		R24A (47's)	K63	WR36		120
				K64	WR37		121
	WR24		R24A (2A5's)	C61			M123
K40	WR26		R27	M63			124
K50			R28	C62			126B
K50P			R28P	K64D			127
				M61	WR46		128
K51P	WR27		R28P (AtoG)	C70	WR50		128E
				K80	WR47		135B
A90			M30		WR30		140
A81			P31				140E
A60			M32	K80X	WR31		141
		GB311	Rad.33	B81			141E
B40	WR33		M34	M81	WR45		142B
K60			R37	K55			143
K60P	WR28		R37P	M56			210
K65			R38	K66			211
				M65			220
K65P			R38P	K66M			221
K54			RE40	C67			222
K54P	WR29		RE40P	M67			223
S42B			R43	C75			224
		GB500	Rad.44	K85			235B
				B86			240
		GB550	Rad.46				241B
T41	WR4	GB678	Rad.48	M86			242
H32			R50	K107			260
		GB320	Rad.51	K105			261
		GB100	R55	M106			262
				K126			280
H72			RAE59	K125			281
		GB330	Rad.60	K48			300
		GB340	Rad.62	M49			301
		GB600	Rad.66	K58			310
J72	WR21		R70	M68			321
			R70N	M69	WR49		322
J82	WR19		R71	K78			330
J86			R72	K79			331
J83	WR22		R73 (47's)	K88	WR38		340
				K88X	WR39		340E
J83A			R73 (2A5's)	M89			341
				M128R			380
J100	WR20		R74	M128			380HR.
				M129			381

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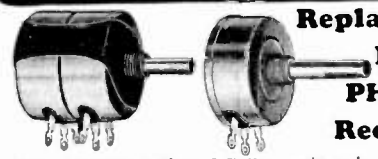
World Radio History

Centralab



Replacements For PHILCO Receivers

With the large number of Philco receivers in service, it is an economical to stock a special duplicate control as a standard replacement. The controls listed below exactly duplicate the electrical and physical specifications of the original controls used in Philco receivers.

Philco Model Number	Philco Part No.	Centralab Part No.	Your Price
14, 15, 91	8054	1-210-907	$1.18
15	7050	1-010-979	.88
16	33-5022	2-211-900	1.47
17	33-5023	2-221-903	1.47
18	33-5024	2-221-900	1.47
19	33-5000	1-210-906	1.18
20, 21, 41DC, 42DC, 77	4094	74-579	1.47
30, 96, 111, 111A, 112, 112A	4093	72-177	.88
35, 36 (Batt.)	5317	4-010-907	1.47
37 (Batt.)	7239	74-557	1.47
38, 38A (Batt.)	33-5017	1-010-980	.88
38, 38A (Batt.)	33-5087	1-010-980	.88
40 (D.C.)	4056	1-010-977	.88
70 Lazy "X", 370	5056	75-544	1.76
43	6892	2-021-908	1.18
44, 118	33-5025	2-021-907	1.18
46 (D.C.)	4141	74-560	1.47
47 (D.C.) 71	6499	51-095	.88
48 (D.C.) 51, 51A, 52	5839	51-076	.88
50, 50A	5232	74-559	1.47
53	33-5001	2-021-904	1.18
54	33-5010	2-011-911	1.18
57	33-5011	2-021-905	1.18
60, 261	33-5006	2-021-001	1.18
65	3528	1-010-978	.88
70, 90 (2-45's) 470, 70A	5039	74-579	1.47
70 (A.V.C.)	6015	1-010-975	.88
76	3879	1-010-982	.88
80	33-5005	2-021-906	1.18
81	33-5002	1-020-903	.88
86, 87, 511	3076	24-016	.88
89, 19	8003	2-011-921	1.18
89	33-5007	1-020-904	.88
90 (1-47), 490	5724	1-010-976	.88
90 (2-47's)	6015	1-010-975	.88
91	7049	1-010-981	.88
95	3790	24-264	.88
144	33-5068	2-221-902	1.47
29, 45	33-5066	2-221-901	1.47
Ford Car Radio	33-5067	2-221-904	1.47

Special Replacement Controls For Philco Receivers

For Models 20, 20A, 21, 220, 40DC, 41DC, 42DC, 77, 77A. Philco Part No. 4094.

SJ4094—List, $1.80. YOUR PRICE.. **$1.06**

Philco Models 70, 70A, 270A, 570, 90 (2-45), 90A (2-45), 470, 470A.

SL5039—Philco Part No. 5039. List, $1.80. YOUR PRICE **$1.06**

For RCA Victor Receivers

Genuine R.C.A. Control for Models R-14, R.15, RE-17, R-42 R-48

Part Number 7129

A dual type wire wound control. The exact control specified by R.C.A. for the above receivers.

3F3063—List, $2.30. YOUR PRICE **$1.35**

RCA Victor Models R32, RE45, R52, RE75, R154, RE156

3,800 ohms each section. Replaces part number 10450 and Stackpole 77150-1.

3E3081—List, $2.50. YOUR PRICE ..... **95¢**

Frost Potentiometer

12,500 ohm. Roller contact. Carbon element. Diam. 1⅝"; depth ⅝". ¼" shaft ½ in. long.

3J3098—YOUR PRICE ..... **24¢**

Yaxley Potentiometer

10,000 ohms. Wire-wound element. Diameter 1⅜"; depth ⅞". Shaft dia. ¼".

3J3097—YOUR PRICE ..... **24¢**

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
Philco-Continued							
66						N-9	$0.88
70, 70A		1824T	$1.47	74-579	$1.12	DRP114	1.47
70, 70A (AVC)		203	.59			O	.59
76, 76A		2081	.88	1010982	.71	X	.59
77,77A		1735T	1.47	74-579	1.12	DRP114	1.47
80		2087P	1.18	2021906	.88		
81		279AS	.88	1020903	.71	Y-9	.88
82, 86, 87		1664	.88	24-016	.88	G12	.59
84						Y	.59
89		915	.88	1020904	.71	N-9	.88
90, 90A, (1-47)		203	.59	1010976	.71	N	.59
90, 90A (2-45)		1824T	1.47			DRP114	1.47
90, 90A (2-47)		203	.59	1010975	.71	O	.59
91 (121) (122)		203	.59	1010981	.71	O	.59
91 (226)						TRP605	.88
95		480	.88	24-264	.88	N	.59
96, 96A (Nash)		479	.88	72-177	.59	N	.59
110, AC 236 (Studebaker)						N	.59
111, 111A, 112, 112A		479	.88	72-177	.59	N	.59
118		203AS	.88	2021907	.88	TRP605	1.18
144		2046P	1.18	2221902	1.00	TRP605	1.18
211, 211A		203	.59			N	.59
212, 212A, 212E		479	.88			N	.59
220, 220A		1735T	1.47			DRP114	1.47
270, 270A, 470, 470A		1824T	1.47			DRP114	1.47
296, 296A		479	.88				
Lazy Boy 370, 370A		1824T	1.47	75-544	1.18		
490		203	.59	1010976	.71	N	.59
503						TRP605-9	1.88
504, 505		203AS	.88			N-9	.88
507						TRP605	.88
511, 512, 513, 514						G12	.59
515, 537, 551, 571		1664	.88			O	.59
570, 570A		1824T	1.47			O	.59
610						N	.59
620, 630						TRP608	.88
700, 800, 800 (122)						N-9	.88
804						L	.59
RADOLEK COMPANY Marvelo AC6-7, Monroe AC6-7 AC6-7, Keystone AC6-7, Marvelo AC8-9, Monroe AC8-9, Marvelo Trio Dynamic 10, Marvelo Batt. 8, SR248, SR249	V. C.	233W	0.59	72-108	0.59	D12	$0.59
Marvelo 30, Little Giant 6, Trio Tone Dynamic 9, Special T.R.F.7, SR-223	V. C.	278	.59	72-110	.59	E	.59
SR-228 7 tube super.	V. C.	560	.59	72-117	.59	F	.59
SR-229, 10 tube super, SR-232 Little Master. SR-231 Compact 5 tube super. SR-237 5 tube Deluxe super.	V. C.	240	.59	52-205	.88	G(B2)	.59
SR-224 Little Leader	V. C.	278	.59	62-110	.88	E	.59
SR-230	V. C.	242	.59	72-122	.59	Z12	.59
SR-230	Tone	206	.59	72-116	.59	UC502	.59
SR-230	N. S.	278	.59	70-204	.59	E12	.59
SR-233, SR-234, SR-236, SR-227 Batt. 10970	V. C.	203	.59	72-105	.59	N	.59
SR-249	Tone	283	.59	72-100	.59	G	.59
SR-233, SR-234, SR-236, SR-237, SR-228, 10 tube super (SR-229) 10956,10958 10953 10967	Tone V. C. V. C.	205	.59	72-117	.59	K12 K(X150) L(X400)	.59 .59 .59
10962, 10963, 10964, 10968, 10969 10970 SR-227	Tone	242	.59	72-122	.59	L	.59
10963, 10964, 10968, 10969	V. C.			72-121	.59	M	.59
10956, 10958	V. C.			62-121	.88	M-9	.88
SR-234	N. S.			72-113	.59	G12	.59
RCA-VICTOR CO., INC. AR, VI, VII, VIIB, IX	Bias	274	.59	72-118	.59		
R28, R28AC, R30, R30C, R32, Borgia I and II, Tuscany, Cromwell	V. C.	274	.59				
Victor 7-11, Radiola 18,	V. C.	402	.88	72-100	.59		
Victor 7-26, R51AC	V. C.	273	.59			X	.59
9-55, 9-25	V. C.	205	.59	72-103	.59	J	.59
9-40							
7-25, Radiola 17, R41, R41DC	V. C.	401	.88	72-100	.59	SRP-145	.88
51AC, 51DC	V. C.	402	.88			SRP-144	.88
R50, R55, R43, RE20, M-30, RAE-59, RAE-79, 142B	V. C.	413	.88	72-103	.59	K12	.59
9-18X, 9-54, R64, R67	V. C.	405	.88			SRP-141	.88
R64, 9-54	Sen.	406	.88	72-101	.59	SPR-140	.88
R67	Tone	203	.59	70-203	.59	N	.59
Radiola 33AC, R33DC	V. C.	402	.88	72-100	.59	SRP-133	.88
R71W	V. C.	383G	.88	72-110	.59	SRP-134	.88
R7A, R7, R-9, Radiola 1st Superette, R7DC, R9DC, 2nd Superette	V. C.	383G	.88	72-109	.59	SRP-134	.88
RC4, R6	V. C.	383G	.88	72-110	.59	SRP-134	.88
R5, R5DC, R5X	V. C.	382	.88	72-119	.59	Y	.59
RC4, R6-A-AC, R8, R10, R12, R19, R23	Tone	205	.59	62-117	.88	K	.59
R7, R7DC, R7LW, R9, R9DC, 1st Superette, RE-20, R50, R55, RAE-59, RAE-79	Tone	379	.88	72-105	.59	N	.59
R8, R12, R11, R6, R10	V. C.	385	.88	1210900	1.18	SRP153	.88

RCA-Victor Co.—Con't. on next page

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VOLUME CONTROL GUIDE

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
MONTGOMERY WARD	& Co.—	Cont.					
62-96, 62-98	V	240AS	$0.88	62-113	$0.88	G7-6	$0.59
62-104	V	573AS	.88	99-006	.88	H-6	.59
62-106, 62-107, 62-121, 62-124, 62-129, 62-134, 62-139	V	208AS	.88	62-121	.88	P	.59
62-181 (Sovereign) 181, 187	V	278	.59			D	.59
62-181 (Sovereign) 181, 187 811 (Solo) 111-X (Fantasy) 1522, 1922, 2955, 2957, 11000 (Challenger 1 & 2)	T	206	.59			0	.59
62-232 (Troubador), 62-520 3035, 3037, 11000 (Challenger Mod. 1 & 2) 15000 (Collegian)	V	240	.59			G7	.59
77, 95	V			306-002	1.47	TRP602	.88
500 (Dictator) 2822, 2827 (Balboa), 2895, 2897 (De Soto) 11000 (Challenger Nos. 1 & 2)	V	274W	.59	72-118	.59		
811 (Solo), 111-X (Fantasy)	V	573	.59			F	.59
1922	V					G7-9	.59
62-1040, 2822, 2827 (Balboa) 2895, 2897 (De Soto) 3035 3037, 3065, 3067, 14000 (Commander) 62000 (Cavalier)	T	203	.59			N	.59
2655 (AE10 New Type)	V	704T	1.47			DRP243	1.47
2955, 2957	V					GG	1.47
3065, 3067	V					G	.59
14000 (Commander) 62000	V	677	.88	62-114	.88	F7	.59
PHILCO Chrysler, DeSoto, Dodge Plymouth, Police Rec. DP (121-122) G,R						UC512	.50
Ford DeLuxe 6, B-6, PB-8, 9, 12		2079P	1.18	2221904	1.18	0-7	.94
1, 2, 3		2082	.88	72-106	.59	0	.59
5		1664	.88				
7 (Transitone), 15		203	.59	72-105	.59	M	.59
8						M-7	.94
10						TRP 603-6	1.18
10 (122)						TRP 605-6	1.18
14, 14 (126), 18, 18 (124)						TRP 605	.88
16				2211900	.88	TRP 604	.88
17				2221903	.88	TRP 604	.88
16 (121), 17 (Run 4)		2076P	1.18			TRP 612	.88
19				1210906	.88	N9	.88
19 (128)		914	.88			TRP 604	.88
20, 20A, 21		1735T	1.47	74-579	1.12	DRP114	1.47
22L		203	.59			P	.59
23X						O	.59
28, 29		2083P	1.18			TRP605	.88
30		479	.88	72-177		N	.59
32, 34, 34A						M	.59
35, 35B, 36		975T	1.47	4010907	1.18	CE	1.47
37						CE	1.47
38, 38A		279	.59	1010980	.71	Y	.59
40 DC		282	.59	1010982	.71	A2MP	.59
41 DC, 42 DC		1735T	1.47	74-579	1.12	DRP114	1.47
43 AC		203AS	.88	2021908	.88	O	.59
44		203AS	.88	2021907	.88	N	.59
45, 45C		2083P	1.18			TRP605	.88
46 DC, 46 EDC		2090T	1.47	74-560	1.12	A2MP	.59
47 DC		203	.59	51-095	.59	O	.59
48 DC, 51, 51A, 52		201	.59	51-076	.59	E12	.59
49						TRP605	.88
50, 50A		1823T	1.47	74-559	1.12	CE	1.47
53		832P	1.18	2021904	.88	Y	.59
54		203AS	.88	2101911	.88	P	.88
57		835P	1.18	2021905	.88	Y	.59
60		833P	1.18	2021001	.88	N-9	.88
65		233W	.59	1010978	.71	A2MP	.59

Philco—Cont. on next page

Yaxley Universal "Tapped" Controls

Prices do not include switch or accessories

Control Number	Ohms Resistance	Tapped at Ohms	Name of Set	Models (Generally Used In)
TRP600	6M	2500	Wells-Gardner	60, 63 (Also Gulbransen, etc.)
TRP601	30M	6000	RCA-Victor	RAE84, R78
TRP602	63M	3000	Wells-Gardner	5E
			Montgomery-Ward	62-120, 62-122, 62-126, 62-128, 77,
			Zenith	55, 730, 735
TRP603	250M	Cen. Tap.	RCA-Victor	320, 321, 322, 327, 340, 341-E, RE-80-81, CRD-9
TRP604	350M	25000	Philco	17, 19
TRP605	350M	75000	Philco	10, 14, 18, 28, 29, 45, 49, 91, 118, 144, 503, 507, G10
TRP606	500M	100000	Zenith	410, 411, 420, 430, 440, 476, 476A, 770, 775, 780
			Atwater Kent	112, 511
			Stewart-Warner	126 Chassis, 1261-1269
TRP607	500M	Cen. Tap.	RCA-Victor	R37, R37P, R38, R38P, 120, 121, 122, 124, 223
TRP608	1 Meg.	200000	RCA-Victor	R-71-B Philco 620, 630
TRP609	1 Meg.	Cen. Tap.	Belmont	640
TRP610	1 Meg.	20000	Grunow	650, 651, 660, 661, 750, 751, 752, 753, 801, 901, 902
TRP611	1 Meg.	170000	Philco	16 (121)
TRP612	2 Meg.	25000	RCA-Victor	R51B

List Price, $1.50.
YOUR PRICE, EACH ..... 88¢
Note: These Tapped Controls are not limited to use in above sets but are universal.

YAXLEY
Universal Dual Controls

Control Number	Type	Resistance Front	Resistance Rear	Used in Number
CE	W.W.	2,000	5,000	19, Ant. shunt +cathode bias
GE	W.W.	10,000	5,000	Ant. shunt & bias or screen con.
GG	W.W.	10,000	10,000	20, Ant. shunt +screen control
GK	H.R.	10,000	50,000	19, Ant. shunt +cathode bias
LL	H.R.	100,000	100,000	Audio shunt cont. in P.P. cirets
LM	H.R.	100,000	250,000	21
MM	H.R.	250,000	250,000	Audio shunt cont. in P.P. cirts
MN	H.R.	250,000	500,000	Audio shunt & tone compen con
NN	W.W.	500,000	500,000	31

List Price, $2.50.
YOUR PRICE, EACH $1.47

DRP114—Resistance: Front 200 ohms, Rear 5,000 ohms—Wire Wound. For use as a Bias + Ant. shunt. List Price, $2.50.
YOUR PRICE, EACH $1.47

Attachable Switch

Fits all Yaxley Volume Controls. Easily attached. Completely shielded. Listed as Standard by Underwriters' Laboratories.

3F3034—Code 9. Single Pole, Single Throw. List, 50c.
YOUR PRICE ..... 29¢

3F3035—Code 8. Single Pole, Double Throw, List, 60c.
YOUR PRICE 35c

3J3028—Code 7 Double Pole, Single Throw. Designed especially for use in battery receivers. List Price, 60c.
YOUR PRICE ..... 35¢

3J3029—Code 6 Single Pole, Single Throw. Shallow type for use where space is limited.
List Price, 50c.
YOUR PRICE ... 29c

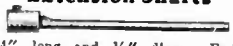
FREE! *New Revised Edition Number 2* **Yaxley Volume Control Guide 3F5982—**

The most complete manual for Service Men ever published—the first that is authoritatively accurate. You need it to simplify your work. You need it to make your work more profitable. Over 60 pages, 8½"x 11" loose leaf binder. Specify your copy of this Yaxley replacement manual on your next order.

Volume Control Wrench

Repairs marred or damaged threads. Tightens nuts "in close quarters." Fits control bushings and nuts.
3J3036—
YOUR PRICE ..... 12¢

Aluminum Universal Extension Shafts



4" long and ¼" diam. End fits ¼" volume control shafts.
RS-242—With ⅛" flat.
RS-243—With ¼" flat.
RS-244—With ⅜" flat.
YOUR PRICE ..... 18¢

Adjustable Mounting Brackets

List Price, 20c.
YOUR PRICE, EACH ..... 12¢
RB-248—1¾" centers.
RB-249—2½" centers.

Popular Special Single Controls

These special units have either mechanical or electrical peculiarities which make them adaptable only to those sets for which they are specified in the New Yaxley Volume Control Guide. Controls up to 15,000 ohms are Wire Wound. High Resistance Carbon Controls above 15,000 ohms.

Control No.	Resistance in Ohms
SRP152	60
SRP138	450
SRP139	550
SRP960	800
SRP223	1,000
SRP141	1,200
SRP185	1,500
SRP144	2,000
SRP145	2,000
SRP133	2,000
SRP160	2,500
SRP142	2,400
SRP134	4,500
SRP901	10,000
SRP961	10,000
SRP153	13,000
SRP221	15,000
SRP250	15,000
SRP900	20,000
SRP174	25,000
SRP245	32,000
SRP158	32,000
SRP188	32,000
SRP150	50,000
SRP154	50,000
SRP170	75,000
SRP251	250,000
SRP962	250,000
SRP213	250,000
SRP226	300,000
SRP179	500,000
SRP216	500,000

List Price **88c** YOUR PRICE EACH

W.W. Strip only — List Price 50c. Your Price 29c
SRP239 450
SRP241 6,000

Popular Special Dual Controls

Control Number	Resistance Front	Resistance Rear
DRP117	500	2,500
DRP115	3,800	3,800
DRP122	10,000	645
DRP246	32,000	50,000
DRP222	75,000	32,000

List Price, $2.50.
YOUR PRICE $1.47

Dual Control For R.C.A. Models RC3, R14, R15, RE17, 42 and 48

Designed according to the original R.C.A. factory specifications. Exactly fits all of the above R.C.A. receivers and corresponding General Electric and Westinghouse models.
DRP-116—List, $3.00.
YOUR PRICE $1.76

Sprayberry Condenser Tester Bridge Special Control

SRP-249—20,000 ohm wire wound control. Designed especially for the Sprayberry Tester. List, $1.50.
YOUR PRICE ..... 88¢

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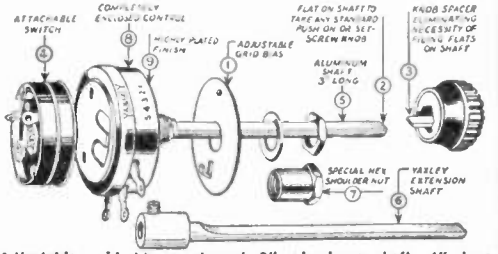
World Radio History

YAXLEY
Volume Controls



Adjustable grid bias, universal 3" aluminum shaft, 4" long extension shaft, spiral hex shoulder nut, knob spacer, special attachable switch, and completely enclosed control. All of these features are directly responsible for minimizing the time required for changing volume controls in receivers.

Adjustable Grid Bias

All wire wound antenna cathode controls having values between 2,000 and 15,000 ohms are equipped with the exclusive Yaxley Stop-Plate adjustment. This feature permits the adjusting of any of these controls to retain a definite fixed resistance section. Adjustable to take any one of 5 positions from 100 ohms to 500 ohms. Where no fixed bias section is needed the Stop-Plate is removed, which allows the control to be turned to zero resistance. Knob, extension shaft and hex shoulder nut are extra. *Have Adjustable Bias Feature. W.W.—Wire Wound. H.R.—High Resistance Carbon.

Universal Single Controls

Control Number	Type	Resistance Ohms	Taper	Yaxley Curve No.	Use In Circuit Number (See Page 60)
Q	W.W.	2	linear	IV	1,
R	W.W.	6	linear	IV	1, 17
S	W.W.	10	linear	IV	1, 17
T	W.W.	20	linear	IV	1, 17
U	W.W.	30	linear	IV	1, 17
V	W.W.	60	linear	IV	1, 17
W	W.W.	100	linear	IV	1, 17
X	W.W.	200	linear	IV	1, 17
A	W.W.	500	left	I	4
B	W.W.	1000	left	I	4, 5, 7
*C	W.W.	2000	right	II	2, 3
C12	W.W.	2000	left	I	4, 7, 8
*D	W.W.	3000	right	II	2, 3, 9
*D7	W.W.	3000		VII	7, 8
D12	W.W.	3000	left	I	4, 5, 7, 8, 10
*E	W.W.	5000	right	II	2, 3, 9
*E7	W.W.	5000		VII	7, 8
E12	H. R.	5000	left	I	4, 7, 8, 10
*F	W.W.	7500	right	II	2, 3, 9
*F7	W.W.	7500		VII	7, 8
F12	H. R.	7500	left	I	4, 7, 8, 10
*G	W.W.	10M	right	II	2, 3, 9
*G7	W.W.	10M		VII	7, 8
G12	H. R.	10M	left	I	4, 7, 8, 10, 12
*H	W.W.	15M	right	II	2, 3, 9
*H7	W.W.	15M		VII	7, 8
H12	H. R.	15M	left	I	4, 7, 8, 10, 12, 16, 18
Y	H. R.	20M	left	I	4, 7, 8, 10, 12, 16
J	H. R.	25M	right	II	2, 3, 9
K	H. R.	50M	right	II	2, 3, 9
K12	H. R.	50M	left	I	4, 7, 8, 10, 11, 12, 15, 16, 18
Z	H. R.	75M	right	II	2, 3, 9
Z12	H. R.	75M	left	I	7, 8, 10, 11, 12, 15, 16, 18
L	H. R.	100M	left	I	6, 7, 8, 10, 11, 12, 14, 15, 16, 18
M	H. R.	250M	left	I	6, 7, 8, 12, 14, 15, 18
N	H. R.	500M	left	I	6, 12, 14, 15
O	H. R.	1 Meg.	left	I	6, 12, 14, 15
P	H. R.	2 Meg.	left	I	6, 12, 14, 15

List Price, $1.00.
YOUR PRICE, EACH **59c**

YAXLEY Linear Controls

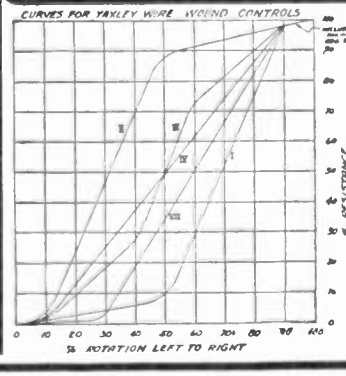
Control Number	Type	Resistance Ohms	Taper	Yaxley Curve No.	Use In Circuit Number (See Page 64)
A400P	W.W.	400	linear	IV	"Mike Control," 9
A550P	W.W.	550	linear	IV	4, 9, 10
A1MP	W.W.	1000	linear	IV	4, 9, 10
*A2MP	W.W.	2000	linear	IV	4, 9, 10
*A5MP	W.W.	5000	linear	IV	4, 9, 10, 2
Y5MP	H. R	5000	linear	IV	4, 9, 10, 2
*A10MP	W.W	10000	linear	IV	9, 10, 16
Y10MP	H. R.	10000	linear	IV	9, 10, 16
*A20MP	W.W.	20000	linear	IV	10, 16
Y25MP	H. R.	25000	linear	IV	10, 16
Y50MP	H. R.	50000	linear	IV	10, 11, 15, 16, 3
Y100MP	H. R.	100000	linear	IV	10, 11, 15, 16, 3, 18
Y200MP	H. R	200000	linear	IV	2, 3, 10, 11, 15, 19, 18
Y250MP	H. R	250000	linear	IV	2, 3, 12, 19, 15, 18
Y500MP	H. R.	500000	linear	IV	12, 19, 18
Y1000MP	H. R.	1000000	linear	IV	12

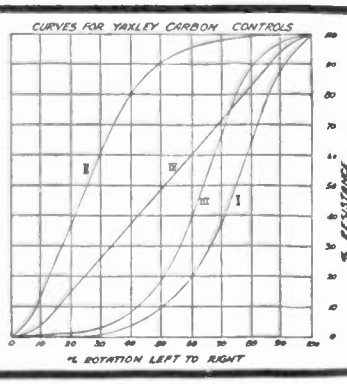
List Price, $1.00.
YOUR PRICE, EACH **59c**

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
MONTGOMERY-WARD & CO. (Airline)							
7D, 17, (1932)	T	203	$0.59	72-105	$0.59	N	$0.59
7D, 26P	T					UC502	.59
AE10	V	704T	1.47	74-509	1.47		
AE11	V					A400P	.59
W11	V	205AS	.88				
13, 15, 16, 16X, 17, (1933)	V	240	.59	62-113	.88	G7	.59
18, 18X, 20W, 27W, 62, 030							
17 (1932)	T	208	.59	72-121	.59	M	.59
22, 62-080, 62-090	V					G12	.59
WG24	V	573	.59				
26P, 26PX, 62-1040	V	240	.59			G	.59
26-030, 26-367	V					TRP600	.88
29W	V	952P	.88				
49, 62-005, 62-060 (Challenger Jr.) 1922	V	240	.59			G7-9	.59
51, 62010, 62-020	V	279	.59	72-111	.59	Y25MP	.59
62-020 (Type 1)	V	573	.59	79-006	.59		
	V					D	.59
62-040 (Commodore)	T					O	.59
62-078	V					H7	.59
62	V	282W	.59				
62-1, 62-2	V	242	.59	72-122	.59	L-9	.59
62-1, 62-2, 62-7, 62-8	T	242	.59	72-122	59	L	.59
62-3, 62-6, 62-7	V	573AS	.88	99-006	.88		
62-7, 62-8, 62-9	V	573AS	.88	99-006	.88	H-9	.59
62-3, 62-6, 62-9	T			72-102	.59	Y	.59
62-11, 62-12, 62-14 (Grenadier) 62-19, 62-27 (Type No. 1)	V	234W	.59			Y5MP	.59
62-020, 62-29, (Type No. 1)	V	573	.59	79-006	.59	H	.59
62-11, 62-12, 62-14,(Grenadier) 62-19, 62-27, 62-29, (Type No. 1) 62-21	V	203	.59	72-105	.59	N	.59
62-11, 62-12, 62-14, (Grenadier) 62-19, 62-27 (Types No. 1 & 2) 62-13, 62-15, 62-18, 62-21	T	203	.59			UC502	.59
62-21, 22-20 (No. 182) 62-38, 62-40, 62-45, 62-47, 62-50, 62-70, 62-72, 62-90	T			72-121	.59	Y200MP	.59
62-34, 62-36, 62-38, 62-40 62-46, 62-50, 62-93, 62-103							
62-105	V	206AS	.88	62-116	.88	O	.59
62-114, 62-116, 62-1838	V	206	.59			O	.59
1238, 1238X, 1355 (Minstrel)	V	206	.59			O	.59
62-23	V					DRP241	1.47
62-34, 62-36, 62-41, 62-46 62-51, 62-53, 62-54, 62-64X 62-71, 62-74, 62-75, 62-118 62-134, 62-136, 62-138, 62-139, 62-1838, 123, 131, 133, 142, 144, 1238, 1238X	T					UC502	.59
62-41, 62-52, 62-67, 62-75 62-76, 62-80, 62-82, 62-83, 62-97, 62-97X, 62-99, 62-99X, 62-101, 62-101X, 62-136, 62-138	V	203AS	.88	62-105	.88	N	.59
62-135, 62-150, 62-154, 123, 131, 133, 142, 144	V			62-105	.88	N-9	.59
62-43, 62-57, 62-92	V					H7	.59
62-45	V	040	.88			G12	.59
62-49, 62-69, 62-79							
62-84, 62-88, 62-94	V					M	.59
62-49, 62-68, 62-88	T					L	.59
62-49, 62-68, 62-88	Supp.					F	.59
62-51, 62-64, 62-64X 62-140, 62-140X, 62-148, 62-148X	V					Z12	.59
62-51, 62-64, 62-64X	Supp.					E	.59
62-67, 62-69, 62-79, 62-80							
62-93, 62-84, 62-93, 62-94	T					K12	.59
62-47, 62-70, 62-72	V					G12	.59
62-97, 62-97X, 62-99, 62-99X, 15000 (Collegian)	T			72-117	.59	K12	.59
62-71, 62-74	Supp					SRP271	.88
62-81	V					Y	.59
62-86X	Hum					Hu 20	.59
62-89, 62-132, 62-137	V	206AS	.88	62-116	.88	P-9	.59

Montgomery Ward—Con't. on next page





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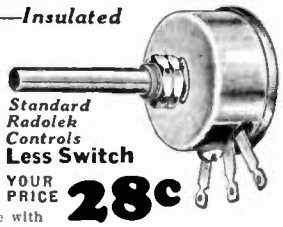
World Radio History

VOLUME CONTROL GUIDE

Mode Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
GRIGSBY GRUNOW—Con't.							
290 series. 310A, 310B, 311, 314, 315	Tone			62-117	$0.88	K12-9	$0.88
77, 300 series, 320 series, 330 series	Tone			62-121	.88	M9	.88
340, 344, 360, 363, 390, 393	V. C.			51-123*	.88	M-9	.88
340, 344, 360, 363, 390, 393	Tone			62-121	.88	M-9	.88
370, 371, 373	V. C.	904PG	$1.18	62-119	.88	Y-9(X250)	.88
380, 381	V. C.			2111906*	1.18	K12-9(X250)	.88
400, 411, 411A, 413, 413A	V. C.	904PG	1.18	37-006*	1.18	Y9(X250)	.88
460, 67, 68, 69, 161, 196, 461, 463, 666, 776, 886, Ritz, Century 6, Master 6, Lido Park Ave., Ritz Riveria	Tone			62-121	.88	M	.59
460, 67, 68, 69, 161, 196, 461, 463, 666, 776, 886, Ritz, Century 6, Master 6, Lido Park Ave., Ritz; Riveria	V. C.	889	.88	72-120	.59	M-9	.88
490, 491, 493	V. C.	902	.88	1010107*	.88	M	.59
500, 55, 59, 75, 195, 560, 566 (A.C.-D.C.)	V. C.	901P	1.18	62-121	.88	M-9	.88
600	V. C.	901P	1.18	33-129*	.88	M-9	.88
800	V. C.			72-121	.59	M	.59
800	Tone			62-121	.88	M-9	.88
HOWARD RADIO CO.							
135, 395, 445, 470, 490	V. C.			74-620*	1.47	GK	1.47
SGA, SG, "C"	V. C.			74-601	1.47	G	.59
"O" Super SGT, SGB, 35-A. C.	V. C.	201	.59	70-205	.59	H	.59
Green Diamond 8, 210	V. C.	179	.88	(72-117) 72-101	.59	K	.59
35A, A. V. H, A. V. O, 45,60	V. C.	203	.59	62-105	.88	N	.59
20, 25, 30, 32	V. C.	201	.59	72-113	.59		
10T	V. C.	201	.59	62-114	.88	G	.59
420 (1st type) L.M. chassis	V. C.	203	.59	72-105	.59	M	.59
420 (1st type) L.M. chassis	N. S.			62-105	.88	Y250MP-9	.88
420 (1st type) L.M. chassis	Tone			62-132	.88	K	.59
J-3 Compact	V. C.	201	.59	52-205	.88	G-9	.88
X-2, X-3, X-8, Z-4	V. C.	910P	1.18	62-105	.88	N-9	.88
S-2, S-7	V. C.	910P	1.18	72-105	.59	O	.59
H Chassis (35-40)	V. C.	278	.59	72-114	.59	G	.59
400-K	V. C.	203	.59	72-105	.59	G12	.59
400-K	N. S.			72-114	.59		
400-K	Tone			62-132	.88	P	.59
"O" super, 35A, AVO, 420-LM, Model R, A.V.H. Super	Tone	205	.59	62-117	.88	K	.59
Ex. Dual Range	V. C.			70-205	.59	J	.59
Ex. Dual Range	Tone	203	.59	62-105	.88	K12-9	.88
135 D. C.	V. C.					E12	.59
Chassis "Q"				72-105	.59		
INTERNATIONAL RADIO CO. (Kadette)							
CS, J, TS, T, JS	V. C.	240	.59	62-113	.88	G	.59
K40, Regal (M.)	V. C.	240	.59	62-113	.88	F	.59
J, JS	Tone	205	.59	72-117	.59		
AW55	V. C.	201	.59	99-006	.88	H-9(B2)	.88
KS	V. C.	560	.59	52-205	.88	G-9(B1)	.88
KS	Tone	240	.59	72-100	.59	G	.59
F Kadette Jr. (types 3 & 4)	V. C.			72-116	.59	O	.59
F Kadette Jr. (types 1 & 2)	V. C.			72-132	.59	P	.59
A B Kadette	V. C.	798P	1.18	62-121	.88	M-9(X250)	.88
A B Kadette	Tone	799	.88	72-117	.59	K	.59
DA-8, DA-9, DA-10, D-11, D-12, D-14, ES-19, ES-20	V. C.					M-9	.88
ES-19, ES-20	Tone					K12	.59
KENNEDY CORP., COLIN B.							
Royal, 10, 20, 12S.G.	V. C.	283	0.59	76-008*	1.47	G	0.59
30, 32, Short Wave, 826-B	V. C.	205	.59	72-114	.59	G12	.59
44, 48, 50, 34	V. C.	240	.59	72-114	.59	G12	.59
42	V. C.	240	.59	72-114	.59	G12-9	.88
56	V. C.	446PG	1.18	72-114	.59	G	.59
26, 34, 36, 38, 40	V. C.	479T	1.47	74-602	1.47	GK	1.47
52, 52A	V. C.	450G	.88	72-114	.59	G	.59
52A	Tone	447P	1.18	62-117	.88	K12	.59
164B	V. C.	573	.88	52-205	.88	G-9(B2)	.88
55	V. C.	240	.59	62-113	.88	G-9(B2)	.88
62, 62D, 62A, 66, 66A, 66B, 64-C, 63, 63A, 563A, 882	V. C.	2033	.88	62-105	.88	N	.59
22, 26, 40, 30, 32, 48, 52, 56, 62, 62A, 164B, 764B, 56, 882, 64-C, 66, 66A, 66B, 48	Tone	205	.59	72-117	.59	K	.59
K1323	V. C.	619T	1.47				
KOLSTER RADIO INC. (Also see Columbia)							
K20, K22, K25, K27, K28, K30, K32, B10	V. C.	201	.59	72-102	.59	Y	.50
B15, B16	V. C.	201	.59	72-102	.59	Y-9	.88
K42	V. C.	201	.59	76-006*	1.47	Y-9	.88
K70, K72, K80, K82, K90, K92	V. C.	201	.59	62-115	.88	H12	.59
K43	V. C.	670T	1.47	76-006*	1.47	H	.59
K45	V. C.	279	.59	76-006*	1.47	J	.59
950, 961	V. C.	201	.59	72-100	.59	G	.59
K60, K67	V. C.	234	.59	62-110	.88	A5MP	.59
K63, K-73, K-83, K-93, K-103	V. C.			62-115	.88	J	.59
100 series	V. C.	242	.59	62-105	.88		
K133, K143, K113, K123	V. C.	614P	1.18	62-105	.88	N	.59
K110, K112, K120, K122, K130, K132, K140, K142	V. C.	614P	1.18	62-105	.88	N-9	.88
K114	V. C.	615	.88	72-105	.59	N	.59

New RADOLEK
Replacement Volume Controls

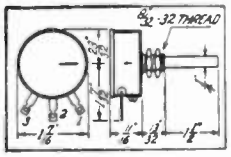
With Long Shafts—Insulated

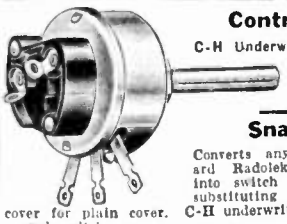


Standard Radolek Controls **Less Switch**

YOUR PRICE **28c**

Wire wound type up to 10,000 ohms. Carbon resistance type over 10,000 ohms. A new high quality series of replacement volume controls made for us by one of the oldest and foremost variable resistance manufacturers in the industry. Both wire wound and carbon types will safely dissipate 2 watts. Wire wound type precisely wound on fibre with constant tension phosphor bronze spring contact. High resistant carbon type has ingeneously designed contact consisting of three tapered phosphor bronze fingers which contact the element directly to insure quiet operation and minimum wear. A phosphor bronze shoe rides on a separate brass segment terminating resistance to center lug. All controls are potentiometer type. Use center and one outside terminal when rheostat is required.





Control With Switch

C-H Underwriters' approved snap switch

List, $1.75.

YOUR PRICE..... **40c**

Snap-On Switch

Converts any Standard Radolek control into switch type by substituting switch cover for plain cover. C-H underwriters' approved switch.

3E3450—

List, 50c.

YOUR PRICE..... **17c**

Taper Curve Numbers Refer to Graph on Page 57.
Circuit Numbers Refer to Diagrams on Page 60.

Resistance Ohms	Number Without Switch	Number With Switch	Taper	Taper Curve Number	Used in Circuit Number
10	3E3451	3E3451S	Unif.	1	1
20	3E3452	3E3452S	Unif.	1	1
30	3E3453	3E3453S	Unif.	1	1
50	3E3454	3E3454S	Unif.	1	1
100	3E3455	3E3455S	Unif.	1	17
200	3E3456	3E3456S	Unif.	1	17
400	3E3457	3E3457S	Unif.	1	9, 17, 20
600	3E3458	3E3458S	Unif.	1	9, 17, 20
800	3E3459	3E3459S	Unif.	1	9, 17, 20
1,000	3E3460	3E3460S	Unif.	1	9, 17, 20
2,000	3E3461	3E3461S	Unif.	1	4, 9, 17, 19, 20
3,000	3E3462	3E3462S	Unif.	1	4, 9, 19, 20
4,000	3E3463	3E3463S	Unif.	1	4, 9, 19, 20
5,000	3E3464	3E3464S	Unif.	1	4, 9, 19, 20
5,000	3E3465	3E3465S	L. H.	5	4, 9, 19, 20
6,000	3E3466	3E3466S	Unif.	1	4, 9, 19, 20
10,000	3E3467	3E3467S	L. H.	5	4, 19, 20
10,000	3E3468	3E3468S	Unif.	1	4, 9, 10, 11, 19, 20
15,000	3E3469	3E3469S	L. H.	3	5, 7, 8
20,000	3E3470	3E3470S	L. H.	3	5, 7, 8
25,000	3E3471	3E3471S	Unif.	1	4, 10, 11
25,000	3E3472	3E3472S	L. H.	3	5, 7, 8
30,000	3E3473	3E3473S	L. H.	3	5, 7, 8
50,000	3E3474	3E3474S	Unif.	1	4, 20
75,000	3E3475	3E3475S	R. H.	2	2, 3, 18, 19
100,000	3E3476	3E3476S	L. H.	6	6, 12, 13, 15, 16, 21, 14
200,000	3E3477	3E3477S	Unif.	1	1
250,000	3E3478	3E3478S	L. H.	6	6, 12, 13, 21
500,000	3E3479	3E3479S	L. H.	6	6, 12, 13, 21
1,000,000	3E3480	3E3480S	L. H.	6	12, 13, 21

Carter Midget Controls

Type M Dissipates 1 Watt

Ideal for test instruments, small receivers, etc., where space is limited. Available in both potentiometer and rheostat types. Extremely compact. Precision-built. Wire-wound. Rheostat is 1⅞ inches in diameter. Potentiometer is 1½ inches in diameter. Projects back of panel ¼ inch. Mounts in single ⅜ inch hole on panels not over ¼ inch thick. Shaft is ¼ inch diameter and extends 1½ inches. No knob included.

Midget Potentiometer

Stock Number	Ohms	Stock Number	Ohms
3F3413	6	3F3418	400
3F3414	10	3F3419	500
3F3415	15	3F3420	1000
3F3416	20	3F3421	1500
3F3417	200		

List, Each 50c.
YOUR PRICE ..... **28¢**

Midget Rheostat

Stock Number	Ohms	Stock Number	Ohms
3F3403	3	3F3407	20
3F3404	6	3F3408	25
3F3405	10	3F3409	30
3F3406	15	3F3410	40
		3F3411	50
		3F3412	75

List Price, 50c.
YOUR PRICE ..... **28¢**

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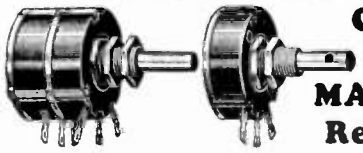
World Radio History

Centralab

Exact Replacement Volume Controls for MAJESTIC Receivers



Exactly duplicates the electrical and physical specifications of the original controls used in Majestic Receivers.

Majestic Chassis Number	Majestic Model Number	Majestic Part Number	Centralab Number	Your Price
70, 70-B	71, 72	105	72-180	$0.88
180	181 Combination	164	74-561	1.47
90, 90-B	90, 91, 92, 93	559	70-063	.88
90, 90-B, 100	91, 92, 101, 102	393	78-007	.88
100-B	103	393	78-007	.88
100	101 Combination	771	74-562	1.47
100-B	102, 103	1714	25-421	1.47
130-A	130, 131, 132	809	72-181	.88
230-A	233 Combination	1316	74-563	1.47
45		5802	55-031	1.18
45 Tone		5803	41-081	.88
50	51, 52	3169	74-523	1.47
30	31, 230-A	3638	75-537	1.76
20	21, 22, 23	3899	2-011-908	1.18
60, 160	61, 62, 163	4098	72-073	.88
155, 160 Phono.		4390	51-015	.88
15, 150	151, 153, 154, 156	8394	55-010	1.18
15-B		5434	55-010	1.18
	155	5464	55-010	1.18
15, 55, 150 Tone	56, 57, 58	5214	41-060	.88
15-B Tone		5435	41-070	.88
25	251, 253	5316	55-014	1.18
25	254 Early	5316	55-014	1.18
25 Tone	251, 253	5635	41-065	.88
25 Tone	254 Early	5635	41-065	.88
25-B	251-B, 253-B, 254-B	5587	2-011-910	1.18
25-B Tone	251-B, 253-B, 254-B	5634	41-065	.88
35	351, 353	5723	62-041	1.18
35 Tone	351, 353	5743	41-085	.88
55	56, 57, 58	4682	55-010	1.18
140-A		3473	74-530	1.47
140-A		6284	74-530	1.47
200	201, 203, 204	6285	72-156	.88
200 Tone	201, 203, 204	6286	52-032	1.18
210	211, 214, 215	6115	72-155	.88
210 Tone	211, 214, 215	6157	52-031	1.18
220	221, 223	6585	72-163	.88
220 Tone	221, 223	6586	52-035	1.18
260		8061	62-064	1.18
290, 300, 300-A	77, 291, 293, 294	7236	1-010-961	.88
310-A, 310-B	303, 304, 307, 311	7236	1-010-961	.88
	314, 315, 321, 336	7236	1-010-961	.88
290, 310-A	291, 293, 294, 311	7235	33-015	1.18
310-B Tone	314, 315	7235	33-015	1.18
300, 300-A, 320	77, 303, 304, 307	7316	33-036	1.18
330 Tone	324, 321, 336	7316	33-036	1.18
340, 360, 390	344, 363, 393	9006	51-123	.88
340, 360, 390 Tone	344, 363, 393	9005	33-056	1.18
370	371, 373	9231	2-112-901	1.18
380	381	8759	62-103	.88
400	411, 411-A	9663	37-006	1.18
400	413, 413-A	9663	37-006	1.18
120	121	4762	74-548	1.47
120-B	123	7960	74-558	1.47
110	Auto	5072	72-088	1.18
111	Auto	7741	30-017	.88
114	Auto	8695	62-121	.88
116	Auto	9825	28-046	.88
66	Auto	10003	2-011-093	1.18
66 Tone	Auto	10004	1-010-111	.88
440		10557	2-111-037	1.18
460		10183	1-010-962	.88
460 Tone		10242	2012900	1.18
490		10664	1-010-107	.88
500		10868	2012901	1.18
570		12041	1-010-108	.88
570 Tone		12040	2-012-020	1.18
600		11535	33-129	1.18
800		11016	1010965	.88
800 Tone		11015	2011912	1.18

Exact Replacements for Majestic

Majestic Models 90, 90B, 91, 92, 93. 75,000 ohm volume control.
RI-202. List, $1.00.
YOUR PRICE ..... **59¢**

Majestic Models 70, 70B, 71, 72. 10,000 ohm volume control. RI-240. List, $1.00.
YOUR PRICE ..... **59¢**

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
GENERAL MOTORS RADIO							
AC6, AC6 Jr., 6, 6B	V. C.	204W	$0.59			Q	$0.59
8AC, 5077, 5088	V. C.	201	.59	72-102	$0.59	J	.59
72	V. C.	201	.59	70-204	.59		
25, 26, 27, 28, 43, 48, A-5010, 5003, 5004, 5091	V. C.	201	.59	72-122	.59	K12	.59
DC6,32DC,5053,5065,5066	V. C.	234W	.59	72-111	.59	J	.59
5057, 5060	V. C.	234W	.59	72-111	.59	Y	.59
A5005, A5020	V. C.	205	.59	72-103	.59	K12	.59
120, 130, 140 Chassis A & B	V. C.	567T	1.47	74-514*	1.47	SRP270	.88
120, 130, 140, 150, 160, 170 A. Chas. B. Chas.	Tone	206	.59	70-019	.88	K12	.59
110, 180, 190, MA, Little General	V. C.			74-535*	1.47	GG	1.47
250 Little General	V. C.			62-117	.88		
110, 180, 190, MA, MB, Little General	Tone	1387	.59	72-117	.59	G12	.59
216,217,219, 250, S1A, S1B	V. C.	111P	1.18	62-103	.88	K-9	.88
251-S2A, 251-S2B	V. C.	156P	1.18	62-114	.88	G9	.88
252, 253, 254, 255, 256, 257, 258 (S-3A-3B)	V. C.	156P	1.18	72-122	.59	G-9	.88
292-S4A, 293-S4B	V. C.	132P	1.18	52-011*	.88	G9	.88
220-S10A, 220-S10B	V. C.	255P	1.18	62-115	.88	J	.59
200E 2, 201E2	V. C.	205	.59	62-103	.88	Y25MP	.59
211S9A, 211S9B	V. C.	236P	1.18	62-103	.88	K12-9	.88
200E-2, 201E-2	Tone			72-117	.59	O	.59
281-R1A Converter	V. C.			74-552*	1.47	G12	.59
5051	V. C.					L	.59
216, 217, 219, 250	Tone	111P	1.18	62-103	.88	L	.59
252, 253, 254, 255, 256, 257, 258	Tone	131	.88			L	.59
S11D	V. C.			62-117	.88		
GRAYBAR ELECTRIC See R. C. A. Comparison chart on page 67.							
GRIGSBY GRUNOW Co. (Majestic)							
70, 70B, 71, 72	V. C.	240	.59	72-180*	.88	G12	.59
100, 101 comb.	V. C.	1809T	1.47	74-562*	1.47	ORP222	1.47
90, 90B, 91, 92, 93	V. C.	202	.59	70-063*	.88	Z	.59
100B	V. C.	715T	1.47	25-421*	1.47	Z	.59
80	V. C.	201	.59	72-100	.59		
90, 90B, 91, 92, 100, 100B, 101, 102, 103, 180, 181, 321	Equalizer	1888	.88	78-007*	.88	SRP160	.88
180, 181	V. C.	1809T	1.47	74-561*	1.47	DRP222	1.47
130, 130A, 131, 132	V. C.	438	.88	72-181*	.88	B	.59
230A	V. C.	730T	1.47	75-537*	1.76	B	.59
20, 21, 22, 23	V. C.	1513PG	1.18	62-113	.88	A5MP-9 (DRP-122-9) +RS-242	.88
30, 31	V. C.	1741TP	1.76	75-537*	1.76		1.91
50, 51, 52	V. C.	1810T	1.47	74-523*	1.47	DRP122	1.47
60, 61, 62, 160, 163	V. C.	441	.88	72-073*	.88	SRP-223	.88
15, 15B, 150, 151, 152, 153, 154, 155, 156, Castlewood, Ellswood, Fyfewood, Havenwood, Sherwood.	V. C.	440PG	1.18	55-010*	1.18	G	.59
25, 1st Brentwood (253) 1st Cheltenwood, (251) 1st Brucewood (254) 15, 15B, 150, 151, 152, 153, 154, 156, Ardmore, Berkshire, Castlewood, Ellswood, Havenwood, Sherwood, Viking, Fyfewood.	V. C.	444PG	1.18	55-014*	1.18	F-9(B1)	.88
	Tone	553	.88	41-060*	.88	K12	.59
25B, Cheltenwood (251), Brentwood (253) Brucewood (254)	V. C.	715T	1.47	55-014*	.88	F	.59
25, 1st Brentwood, 1st Cheltenwood, 1st Brucewood, 25B, Cheltenwood (251) Brentwood (253) Brucewood (254)	Tone	242	.59	41-060*	.88	L	.59
35, Abbeywood (353), Collingwood (351)	V. C.	278	.59	2011910*	1.18	F12	.59
35, Abbeywood (353) Collingwood (351)	Tone	555	.88	72-113	.59	G12	.59
55, 56, 57, 58, Ardmore, Berkshire Viking	V. C.	440PG	1.18	55-010*	1.18	G	.59
110 Auto	V. C.	242	.59	72-088*	.88	L	.59
114 Auto	V. C.			30-019*	.88	M	.59
111 Auto	V. C.			30-017*	.88		
116 Auto	V. C.			28-046*	.88	M	.59
66 Auto	V. C.	903P	1.18	2011093*	1.18	M	.59
66 Auto	Tone			1010111*	.88	K12	.59
118 Ford Auto Radio	V. C.	982	.88	1010983*	.88		
120, 121	V. C.	1880T	1.47	74-548*	1.47	GG	1.47
120B	V. C.	1880T	1.47	74-558*	1.47	GG	1.47
200, 201, 203, 204, Sheffield, Fairfax, Explorer	V. C.	549	.88	72-105	.59	N	.59
200, 201, 203, 204, Sheffield, Fairfax, Explorer	Tone	550P	1.18	62-117	.88	K12-9	.88
210, 211 214, 215, 220, 221, 223, Whitehall, Stratford, Croydon, Collingwood, Abbeywood	V. C.	551	.88	72-121	.59	M	.59
210, 211, 214, 215	Tone	552P	1.18	62-123	.88	L-9	.88
220, 221, 223	Tone			62-117	.88	K	.59
260	V. C.			62-121	.88		
290 series, 300 series, 310A, 310B, 311, 314, 315, 320 series, 330 series, 77	V. C.	208	.59	72-121	.59	M	.59

Grigsby-Grunow Co.—Con't. on next page

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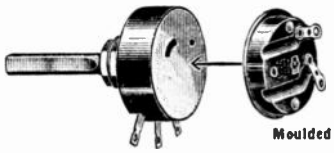
World Radio History

VOLUME CONTROL GUIDE

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
FADA RADIO AND ELE	**CT. CO**	**RP.—Co**	**n't.**				
2nd 45, 2nd 45Z, 51, 53, 57, KO, KC	V. C.	560	$0.59	52-205	$0.88		
55(RG)	V. C.	240	.59	52-205	.88	G12-9	$0.88
122 KE	V. C.	279	.59	72-111	.59	Y	.59
66(KY) 73, 85, (RE) 74, 76, 83, 88, 89(RA)	V. C.	203	.59	62-116	.88	O-9	.88
74, 76, 83, 88, 89(RA)	neon	241	.59				
75, 77, 2nd E	V. C.	279	.59	72-168*	.88		
78, 79(RC)	V. C.	1848T	1.47	62-116	.88	NN	1.47
RL103	V. C.			62-113	.88	G12-9	.88
KB81, KB82, KB84, KB86	V. C.	203	.59			O-9	.88
RN105, RN106, RN107, RX93, RX95, RS112, RY	V. C.	824P	1.18	62-116	.88	O-9	.88
RU131, RU132	V. C.	820P	1.18	62-116	.88	O-9	.88
RW.133, RW.134, RW.135	V. C.	822P	1.18	62-116	.88	O-9	.88
NA	V. C.	823P	1.18	62-116	.88		
RW.133, RW.134, RW.135, NA	Tone	825	.88	72-121	.59	M	.59
RU131, RU132	Tone	827	.88	72-122	.59	L	.59
NF	Tone	826	.88			L	.59
RS112	Tone					G12	.59
SF50-80A, 480A, 460A	V. C.	204W	.59			R	.59
RW133, RW134, RW135	Neon					M10MP	.88
FREED TELEVISION AND RADIO CORP.							
NR60, NR57, NR70, NR-78DC, NR79DC, NR60DC	V. C.	203	.59	72-116	.59	M	.59
NR55, NR56, NR55DC, NR56DC	V. C.	1748T	1.47	74-506*	1.47		
NR908	V. C.	1833TG	1.47	74-506*	1.47	J	.59
NR95A.C.	V. C.			70-202	.59	K12	.59
NR78A.C., NR79A.C.	V. C.	208	.59			K	.59
NR80A.C., NR80D.C., NR85A.C., NR85D.C.	V. C.	{1891} {Strip}	.25	70-204	.59	G	.59
51D.C., 58A.C., FE63D.C.	V. C.			62-119	.88	Y	.59
58 A. C.	Tone	557	.88	72-117	.59	K12	.59
54, 56, 59	V. C.	240	.59	52-205	.88	G	.59
MB5, 98	V. C.	573AS	.88	52-205	.88	H9	.88
91D.C., 92, 99D.C.	V. C.	573AS	.88	52-205	.88	H12	.59
72, 74, MB7	V. C.	573AS	.88	52-205	.88	G12-9	.88
MB-9, 90	V. C.	573AS	.88	52-205	.88	G12	.59
72, 74, MB7, MB9, 90	Tone			72-117	.59	L	.59
98, 99D.C.	Tone			72-122	.59	K	.59
NR7, NR8, NR9, NR10, NR12, NR20, NR40, FE-15, FE18, NR800	V. C.	204W	.59			R	.59
346-4, 354, 355, 360, 365, 365-X, 360-X	V. C.	240AS	.88	62-113	.88	G12	.59
367X, 366SW	V. C.	2013P	1.18				
464	V. C.	2014P	1.18				
FRENCH AND SONS, JESSE							
8-A.C., 5093	V. C.	201	.59	72-103	.59	H	.59
K24, 25, 27, 28SG Receiver	V. C.	201	.59				
Midget, Jr. H-1	V. C.	1714TP	1.76	75-507*	1.76	LM	1.47
Jr. G	V. C.	1745TP	1.76	75-507*	1.76	DRP-119-9	1.76
H 2 Pentode	V. C.	240	.59	62-113	.88	G-12	.59
H 2 Jr.	V. C.	201	.59	52-205	.88	G-12	.59
U 1 Super	V. C.	232	.59	62-101	.88		
H2D.C.	V. C.	201	.59			E-12	.59
H-2 Jr. S-2	Tone	206	.59	72-116	.59	O	.59
U 1	Tone	205	.59	72-117	.59	K12	.59
S-2	V. C.			52-205	.88	DRP-119-9	1.76
87	V. C.	202	.59				
520	V. C.	203	.59				
FRESHMAN RADIO CORP.							
G60, H, K, L, L8	V. C.	203	.59	72-105	.59	N	.59
3Q-15-16, N12-17, 2N, QD-16-S	V. C.	201	.59	41-200*	.88	G-12	.59
2H, M, G	V. C.	201	.59				
21 A. C., 22	V. C.			25-416*	1.47		
21, 24, 31, 33D.C.	V. C.			72-121	.59		
31, 32, 33	V. C.	1833TG	1.47				
31, 32, 41A.C.	V. C.	202	.59	70-202	.59		
Masterpiece, Equaphase	V. C.	204	.59			R	.59
GALVIN MFG. CO. (Motorola)							
Motorola S10	V. C.	958P	1.18			K(B4)	.59
Motorola J8	V. C.					K(X150)	.59
Motorola 7-T-38	V. C.			72-104	.59	L	.59
6-T-12-PL, Split Case Motorola 5 tube	V. C.	202	.59	70-036*	.88	M	.59
Series 77A, B, 7-T-47A, 88, 61, 44	V. C.	959P	1.18			N	.59
Series 77A,77A(Series B)66	Tone					L	.59
GENERAL ELECTRIC COMPANY See R. C. A. Comparison Chart on Page 67							
GENERAL HOUSEHOLD UTILITIES (Grunow)							
500, 670, 671, 1151, 1152	V. C.	206-AS	.88	62-116	.88	O-9	.88
700, 701, 801	Tone			72-117	.59	M	.59
501	V. C.	203	.59	62-105	.88	N-9	.88
901, 902, 1101, 1151, 1152	Tone			72-116	.59	O	.59
1101	V. C.	999	.59	72-132	.59	P	.59
502, 503	V. C.	999	.59			G12	.59
750	V. C.	894	.59	2211902*	.88	TRP610	.88
660 Chassis 6A, 6C	V. C.			2211901*	.88		
11019-B-2A	V. C.					P	.59
11019-B-2A	Tone					O	.59
700, 701	V. C.	205	.59			TRP610	.88

New ELECTRAD
Replacement Volume Controls



With Long Aluminum Shafts

Moulded Bakelite Cases.

Smooth, Stepless, Noiseless Resistance Variation.

A newly designed Electrad development based on an improved principle. The high resistance controls utilize a perfected graphite resistance element baked at high temperature on to a solid bakelite ring. Impervious to humidity. Contact shoe of special alloy is self-wiping. Smoothness and quietness increases with use. Wire wound types are wound on a fibre strip. Housed in moulded bakelite case ½" thick, 1⅛" dia., with metal end cover and long ¼" dia. aluminum shaft. Shaft insulated—may be mounted on metal panels. New type convertible power switch (described below) may be readily added.

Snap-on Switch

Underwriters approved. Attached by single screw. Converts any plain Standard Electrad control to switch type control.

3F3030—S.P.S.T.
List, 50c.
YOUR PRICE ..... **29¢**

3F3031—S.P.D.T.
3F3032—D.P.S.T.
List, 60c.
YOUR PRICE ..... **35¢**

Standard Electrad Volume Controls
Without Switch

Specify control number when ordering. See the Radolek Volume Control Guide for an alphabetical listing of Receiver Manufacturers with the corresponding Electrad replacement.

List Price, $1.00.
YOUR PRICE ..... **59¢**

Electrad Volume Control Numbers and Specifications

Stock Num.	Used in Circuit Number (See page 60)	Taper Curve Num.	Taper Indicated by Ohmage Readings in Sections Start	¼	½	¾	Finish
			Open				
204W	**1**	1	10	8	5	2.5	0
269W	**1**	1	0	Unif.	Unif.	Unif.	20
270W	**1**	1	0	Unif.	Unif.	Unif.	30
271W	**1**	1	0	Unif.	Unif.	Unif.	50
272W	**17**	1	0	Unif.	Unif.	Unif.	100
273W	**17**	1	0	Unif.	Unif.	Unif.	200
274W	9, 17, 20	1	0	Unif.	Unif.	Unif.	400
991W	9, 17, 20	1	0	Unif.	Unif.	Unif.	500
282W	9, 17, 20	1	0	Unif.	Unif.	Unif.	600
275W	9, 17, 20	1	0	Unif.	Unif.	Unif.	800
276W	9, 17, 20	1	0	Unif.	Unif.	Unif.	1000
992W	4, 9, 17, 19, 20	1	0	Unif.	Unif.	Unif.	1500
232W	4, 9, 17, 19, 20	1	0	Unif.	Unif.	Unif.	2000
233W	4, 9, 19, 20	1	0	Unif.	Unif.	Unif.	3000
277W	4, 9, 19, 20	1	0	Unif.	Unif.	Unif.	4000
234W	4, 9, 19, 20	1	0	Unif.	Unif.	Unif.	5000
278	4, 19, 20	5	0	300	1200	2500	5000
993W	4, 19, 20	1	0	Unif.	Unif.	Unif.	6000
994W	4, 19, 20	1	0	Unif.	Unif.	Unif.	7500
560	5, 7	3	0	350	1500	3750	7500
995W	4, 10, 11, 19, 20	1	0	Unif.	Unif.	Unif.	10,000
283	4, 9, 10, 11, 19, 20	1	0	Unif.	Unif.	Unif.	10,000
240	5, 7, 8	3	0	20	2000	9000	10,000
996	5, 7, 16	5	0	150	1000	5000	10000
573	2, 5, 7, 8	4	12M	5M	1M	200	0
201	5, 7, 8	3	0	100	2M	10M	15,000
279	4, 10, 11, 19, 20	1	0	Unif.	Unif.	Unif.	25,000
280	4, 16	5	0	1500	6M	12,500	25,000
241	2, 5, 19	2	0	800	2M	15M	30,000
997	3, 4, 5, 10	2	40M	20M	10M	2500	0
205	4, 19, 20	1	0	Unif.	Unif.	Unif.	50,000
202	2, 3, 18	4	75M	25M	2M	200	0
242	6, 12, 13,15,16,21	6	0	6M	25M	50M	100,000
281	14	1	0	Unif.	Unif.	Unif.	200,000
208	6, 12, 13, 21	6	0	15M	60M	125M	250,000
998	4, 10, 11, 14	2	250M	125M	25M	3700	0
203	3	2	0	2M	20M	200M	500,000
894	6, 12, 15	5	0	30M	125M	250M	500M
†**206**	12, 13, 21	6	0	60M	250M	500M	1 Me
†**895**	6, 12	5	0	62M	250M	500M	1 Meg
***999**	6, 12	5	0	120M	500M	1 Meg	2 Meg

(Taper Curves on Page 57)

†Tapped at 63,000 ohms. *Tapped at 125,000 ohms.

All above controls except 204W are potentiometer type. Where rheostat is wanted use center and one outside terminal. Uniform controls in values to 10,000 ohms are wire wound.

Dual Controls for P. P. Grids

For use in controlling the input to the grids of push-pull audio stages simultaneously.

893T—Front and Rear Sections 500,000 ohms each. Start at 0, at ¼ turn 30,000, ½ turn 125,000, ¾ turn 500,000 ohms.

896T—Front and Rear Sections 250,000 ohms each. Start at 0, ¼ turn 15,000, ½ turn 125,000, ¾ turn 250,000.

List Price, $2.50.
YOUR PRICE **$1.47**

ELECTRAD
Volume Control Guide

Latest edition. Up-to-date on all Electrad Volume Controls. Name of set is listed alphabetically together with model numbers and correct Electrad replacement and list price.

3J5983—With order for Electrad Volume Controls..... **FREE**

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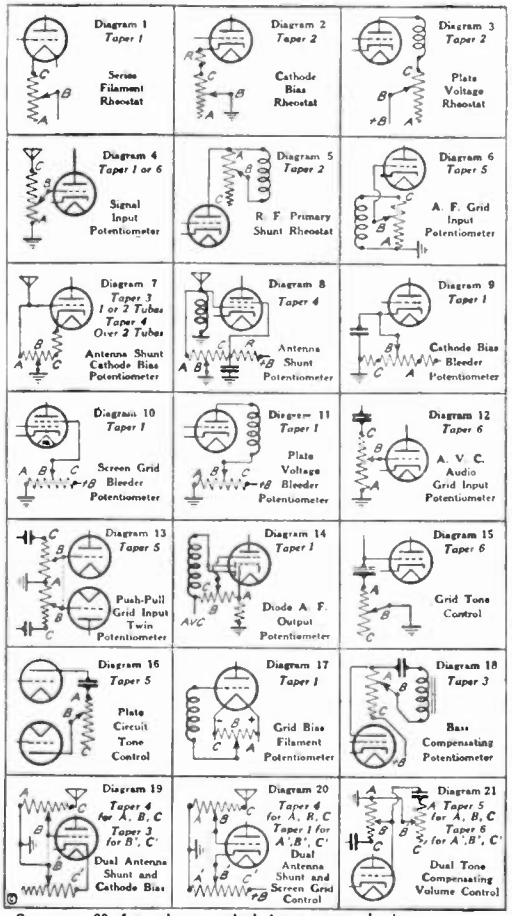
Volume Control
Hook-Up Diagrams

These diagrams will save you time in determining the correct volume control necessary when servicing obsolete and un-identified receivers. See page 63 for taper curves, which will also help you.



See page 63 for volume control taper curve charts.

New Radolek Resistance Indicator
Calibrated Variable Resistance Box

3J2547— List, $6.50. Your Price.. **$2.70**

Every Serviceman Needs This!

Makes any resistance between 0 and 100,000 ohms instantly available. Consists of a calibrated 25,000 ohm potentiometer with the first 1000 ohms spread out over half the arc of rotation. Three selected 25,000 ohm resistors in series with the potentiometer permit adjustment of resistance to any value from 0 up to 0.1 megohm, through insulated pin-jacks. Excellent temporary substitute for burned out resistors or voltage divider sections to determine the original value of resistor. May be employed as "known" variable resistance in Wheatstone bridge circuits. Used for calibrating hand made ohmmeters; selecting best bias resistances; extending voltmeter scales; as shunt multipliers, etc.

Tapered resistance permits more exact adjustment under 1000 ohms than possible with ordinary resistance indicators. Has 15 watt capacity up to 1000 ohm, 10 watt to 25,000, 1 watt to 100,000 ohms. Safety factor of 50% overload. Beautiful easy reading **etched aluminum dial plate** with circuit diagram. **Fireproof bakelite case** protects user from burns or shock. No exposed "hot" terminals. Excellent non-pitting constant pressure roller contact on resistance element. May be carried in hip pocket. Can be used as 25,000 ohm calibrated potentiometer. Has highest quality 24" test leads with spring-prong pin tips and tapered Alligator jaw test clips. **All values of resistance have 5% or better accuracy.** A resistance indicator years ahead in design. Size 5"x3"x2½".

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
ECHOPHONE RADIO M	**FG.—Con't.**						
60, 70, 80, 90	V. C.	201	$0.59	72-119	$0.59	Y9(X200)	$0.88
40	V. C.	201	.59	72-119	.59	Y9(X300)	.88
60, 70, 80, 90	Tone	241	.59	62-117	.88	Y	.59
5, 10, 14, 15, 16, 17, 18, 81	V. C.	203	.59	62-105	.88	N	.59
5, 10, 14, 16, 17, 18, 81	Tone			72-119	.59	Y	.59
35, 36	V. C.	203	.59	62-105	.88	N	.59
35, 36	Tone			72-105	.59	N9	.88
EDISON CORP., THOMAS A.							
R200	V. C.	202	.59	70-202	.59	K12	.59
C1, C2, R1, R2, SRC3, M5, M6. Front	V. C.	1675	.88	24-008*	.88	CE	1.47
C1, C2, R1, R2, SRC3, M5, M6. Rear	V. C.	1713	.88	26-021*	.88	CE	1.47
R4, R5, C4, R6, R7 Later models	V. C.			74-512*	1.47	GG	1.47
R6, R7 Early Models	V. C.	728	.88	64-306*	1.47	N	.59
Abbey Batt.	V. C.	49	.88			N	.59
Abbey Jr.	V. C.	1903	.88			L	.59
R100, RV. 695	V. C.	204W	.59			S	.59
R122	V. C.	232W	.59	72-101	.59		
Splitdorf 16 and 17	V. C.	2076P	1.18				
ELECTRICAL RESEARCH LAB.							
R-1	V. C.	240	.59	72-100	.59		
R-2	V. C.	201	.59			G12	.59
210	V. C.	1714TP	1.76	74-601	1.47	NE	1.47
225, 271, 271A	V. C.	1714TP	1.76	75-506*	1.76	GE	1.47
245	V. C.	202	.59	52-205	.88	C	.59
224A.C., 224B	V. C.	234W	.59	72-110	.59	F12	.59
335	V. C.	234W	.59	52-205	.88	H9	.88
37, 38, 39	V. C.	208	.59			L	.59
35	V. C.	208	.59	62-116	.88	L	.59
231	V. C.	202	.59	52-205	.88	L	.59
81P, 82P, 30(248), 61, 62, 63(250)	V. C.	240	.59	52-205	.88	G9	.88
230	V. C.	208	.59	72-116	.59	M	.59
81P, 82P 30(248)	Tone	242	.59	72-117	.59	K	.59
550	V. C.	240AS	.88	62-113	.88		
620, 630	V. C.	882P	1.18	72-117	.59		
1040	V. C.	885P	1.18				
336	V. C.	240	.59	62-100	.88		
500	V. C.	884G	.88				
590	V. C.	883PG	1.18				
602	V. C.			2011045*	1.18		
263, 268	V. C.			62-113	.88	G7-9(B2)	.88
RE (76, 87, 88, 89) KY (66) RN, 106, 107	V. C.			62-116	.88		
264C, 264	V. C.	203	.59	62-105	.88	N	.59
257	V. C.	206	.59	72-116	.59	O	.59
620, 630	Tone	205	.59	72-117	.59	K12	.59
EMERSON RADIO AND PHONO. CORP.							
F	V. C.	1686P	1.18	79-006	.59	H12	.59
Series 65	V. C.	275W	.59	72-107	.59	B	.59
T, TS, CS, JS	V. C.	685PG	1.18	62-113	.88	F	.59
410, 420, 250AW, 33AW, 30AW, 321AW, 350AW, 411, 415, 416, (Mickey Mouse) 409, H-5, 28, 30, 250, 300	V. C.	813PG	1.18	62-119	.88	Y9(X300)	.88
BAC10	V. C.	203	.59	62-106	.88	N9	.88
BAC10	Tone	240	.59	72-119	.59	Y	.59
BAC10	N. S.	278	.59	72-110	.59	E12	.59
678 Auto Radio 30LW, 33LW, 250LW, 321LW, 350LW	V. C.	815P	1.18	72-120	.59	M	.59
40, 77, 375, 375LW	V. C.	814P	1.18	62-119	.88	Y9	.88
	V. C.	814P	1.18	62-116	.88	O-9	.88
965	V. C.	2012P	1.18				
629 midget	V. C.	679PG	1.18				
20-A, 25A, 20-5	V. C.			62-131	.88	M9	.88
MAC7	V. C.	234WAS	.88	62-110	.88	E7-9(B2)	.88
MAC7	Tone	279	.59	72-117	.59	Y	.59
DC4, LAC4, LAC5	V. C.			52-205	.88	G	.59
AW55	V. C.	573AS	.88	99-006	.88	H(B2)	.88
L755, 50-L	V. C.	240AS	.88	62-113	.88	E9(B3)	.88
M755, 50-M, 8755, 850	V. C.	240AS	.88	62-113	.88	E(B3)	.59
L755, 50-L, M755, 50-M	Tone	240AS	.88	72-117	.59	Y	.59
K, K8	V. C.			72-100	.59	G9(B1)	.88
JS	Tone	685PG	1.18	72-117	.59	G	.59
EVEREADY (National Carbon Co.)							
1, 2, 3	V. C.	1747	.88	72-104	.59	SRP-179	.88
30, 40 series	V. C.	478T	1.47	72-107	.59	A560P	.69
31	V. C.	202	.59	70-202	.59		
50 series	V. C.	478T	1.47	74-503*	1.47	DRP242	1.47
50 series (1&2). This control will replace only the original Yaxley Controls	V. C.	2111T	1.47			DRP-117	1.47
FADA RADIO AND ELECT. CORP.							
10, 10Z, 11, 11Z, 30, 30Z 31, 31Z	V. C.	147	.88	70-017*	.88	SRP256	.88
50, 70, 71, 72	V. C.	147	.88	70-059*	.88	SRP256	.88
25, 15M, 15MZ	V. C.	325	.88	70-019*	.88	SRP257	.88
35, 35Z	V. C.	325	.88	72-168*	.88	SRP257	.88
16, 17, 18DC, 32	V. C.	277	.88	72-001*	.88		
35B, 35C, 40AC	V. C.	747T	1.47	74-513*	1.47		
41, 42, 44, 46, 47, 81, 84	V. C.	206	.59	72-116	.59	O	.59
20, 20Z	V. C.	325	.88	99-019	1.18	SRP257	.88
43, 762, 761, K.F., K.G.	V. C.	633T	1.47	74-541*	1.47	DRP119	1.47
KW48, KW49	V. C.	203	.59	62-105	.88	N9	.88
KW48, KW49	neon	560	.59			F12	.59
1st 45, 1st 45Z, 51, 53, 57	V. C.			62-114	.88		

Fada Radio and Elect. Con't. on next page

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VOLUME CONTROL GUIDE

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
CROSLEY RADIO CORP.	**—Con't.**						
20, 21 Battery	V. C.	204W	$0.59	70-202	$0.59		
26, 52	V. C.	504	.88	72-045*	.88	L	$0.59
27, 28	V. C.			72-019*	.88	SRP263	.88
53, 54, 57, 58	V. C.	686	.88	72-111	.59	SRP263	.88
30S, 31S, 33S, 34S, 63	V. C.	1687	.88	72-019*	.88	SRP-158	.88
1st 40S, 1st 42S, 71A	V. C.	1711	.88	70-503*	1.47	SRP-158	.88
40S, 41S, 45S	V. C.	1687	.88	74-511*	1.47	SRP-158	.88
1st 48, 59, 77-1	V. C.	592G	.88	79-006	.59	E	.59
2nd 48	V. C.	205	.59	52-206	.88		
60S, 61S, 62S, 63S	V. C.	995W	.59	72-103	.59	SRP188	.88
74	V. C.	205	.59	72-103	.59		
75, 77A, 77B, 77L, 84C, 84D	V. C.	203	.59	72-047*	.88	M	.59
76	V. C.	203	.59	72-047*	.88	SRP-226	.88
90 Auto	V. C.	205	.59	72-117	.59	K12	.59
91, 92 Auto	V. C.	203	.59	72-104	.59	L	.59
95, 96 Auto	V. C.	2055P	1.18	62-132	.88	UC504	.59
99, 98 Auto	V. C.	489	.88	62-132	.88	UC504	.59
120	V. C.	240	.59	99-006	.88	G12	.59
120	Tone			72-105	.59	SRP-226	.88
1st 122 Super Smoker	V. C.	2095P	1.18	72-101	.59	D12	.59
2nd 122	V. C.	2095P	1.18	72-108	.59	D12	.59
121 Series A	V. C.	2086P	1.18	72-118	.59	SRP264	.88
122, 123, 124, 121-B, 121	Tone	205	.59	72-117	.59	K	.59
123	V. C.	240	.59	52-205	.88	D	.59
124, 125	V. C.	616P	1.18	2111905*	.98	E7	.59
124-1	V. C.	616P	1.18	72-100	.59	E	.59
124-1	Tone	242	.59	72-122	.59	L	.59
126	V. C.	282	.59	72-055*	.88	SRP264	.88
126-1	V. C.	282	.59	72-121	.59	SRP264	.88
126	Tone	558	.88	72-122	.59	L	.59
126-1, 128	Tone	203	.59	62-121	.88	SRP-226-9	1.18
127	V. C.	203	.59	72-121	.59	SRP226	.88
127-1, 129, 129-1, 132-1, 131, 146	Tone	558	.88	52-202	.88	L	.59
127	Tone	206	.59	62-116	.88	SRP-226	.88
127-1	V. C.	203	.59	72-121	.59	SRP-226	.88
128	V. C.	232	.59	2115900*	.98	C	.59
131	V. C.	232	.59	62-101	.88	SRP262	.88
129	V. C.	278	.59	70-205	.59	F7	.59
133	V. C.	201	.59	72-115	.59	E7	.59
129-1	V. C.	2054G	.88	70-205	.59	SRP262	.88
143-1	V. C.	240	.59	2013901*	1.18		
133, 134, 134-1, 135	Tone	203	.59	62-105	.83	N9	.88
132-1, 146, 150	N. S.	203	.59	72-105	.59	N	.59
150, 157, 158, 160, 164, 168D, 170, 171	Tone	558	.88	52-202	.88	UC504	.59
146-1, 133-1, 141	V. C.	278	.59	62-110	.88	E	.59
132-1, 136-1	V. C.	950T	1.47			DRP232	1.47
135	V. C.	240	.59	72-110	.59	E7	.59
137	V. C.	2057PG	1.18	72-118	.59	SRP262	.88
147	V. C.	278	.59	62-110	.88	F7	.59
148	V. C.	278	.59	62-110	.88	E7	.59
150	V. C.	208	.59	72-121	.59	SRP-226	.88
155	V. C.	240	.59	62-110	.88	E7	.59
160	N. S.	278	.59	70-206	.59	E	.59
154	V. C.	283	.59	62-100	.88	SRP262	.88
160	V. C.	2041	.88	72-132	.59	UC504	.59
163, 166, 176	V. C.	234	.59	62-113	.88	E	.59
99 Auto	Tone	558	.88	70-202	.59	L	.59
159	V. C.			62-110	.88	E7	.59
169	V. C.	283	.59	52-205	.88	SRP262	.88
DEWALD RADIO "PIERCE-AIRO"							
A. C. 524	V. C.	240	.59	72-100	.59	G12	.59
A. C. 724-1	V. C.	240	.59	52-204	.88	F12-9	.88
A. C. 447-M	V. C.	280	.59			Y200MP	.59
A. C. 746M, A. C. 747M	V. C.			62-110	.88	E9	.88
A. C. 547	V. C.	240	.59			E7-9	.88
A. C. 624	V. C.	240	.59	62-100	.88	E	.59
A.C.535, A.C.536	V. C.	234W	.59	62-110	.88	E9(B4)	.88
54, 55	V. C.	859PG	1.18	62-114	.88	G9(B2)	.88
61, 80, 100	V. C.			62-105	.88	N	.59
A. C. 14-45, A. C. 24-45	V. C.	277	.59			E12	.59
60 ex	V. C.	280AS	.88	62-102	.88	J	.59
K. A. D.	V. C.	201	.59	62-115	.88	H12	.59
K. A. F.	V. C.	201	.59	62-115	.88	H12-9(X800)	.88
B. L. G.	V. C.	860PG	1.18	62-113	.88	F7	.59
41	V. C.	240AS	.88	62-113	.88	H9(B5)	.88
53	V. C.	201	.59	99-006	.88	H9(B5)	.88
55R	V. C.			62-113	.88	G9	.88
56	V. C.	240AS	.88	62-113	.88	G7	.59
62	V. C.	206	.59	72-116	.59	O	.59
A. C. 724	Tone			72-117	.59	M	.59
A. C. 624	Tone			62-121	.88	M	.59
52	V. C.			72-105	.59	N	.59
40,42,50,51,B.A.C.,B.A.G.	V. C.			52-205	.88	F9(B5)	.88
D. C. 637-D. C. 638	V. C.	201	.59			C12	.59
B. A. M.	V. C.					K12	.59
EARL RADIO CORP.							
31 A. C., 32 A. C., 41	V. C.	202	.59	70-202	.59	K	.59
21 D. C., 22 D. C., 24 D. C., 31 D. C., 33 D. C.	V. C.	208	.59	72-106	.59	K	.59
21 A. C., 22 A. C.	V. C.	1748T	1.47	25-416*	1.47	DRP240	1.47
31S, S32, 33S	V. C.	1833TG	1.47	74-506*	1.47		
ECHOPHONE RADIO AND MFG. CO.							
S-3	V. C.	232	.59	62-119	.88	C12	.59
S-4	V. C.	232	.59	62-119	.88	D12	.59
S-5, E, F	V. C.	201	.59	62-119	.88	Y	.59
12, 38	V. C.	240	.59	52-205	.88	G7(B2)	.59
50, 90 Improved	V. C.			99-006	.88	H7	.59

Echophone Radio and Mfg.—Con't. on next page

Centralab Series I

Sound Projection Controls

How to Select the Proper Attenuator

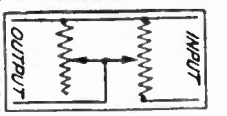
Resistance of "Pad" should equal Impedance of Circuit or Line. Where possible use a "T" or Constant Imp. Fader type control to maintain best audio tone quality. If tone is not important as in individual speaker control on a multi-speaker circuit, use a combination "L" Pad. Straight Resistance Faders are used with high impedance inputs such as radio or phono pickup.

Constance Impedance "L" Pad

A 4-watt attenuator for individually controlling moderate power, low impedance Speakers operating from a central system. Wire wound. Bakelite case 3½"x1¾" deep.

List Price, $4.00.
YOUR PRICE, Each..... **$2.35**

Stock Num.	Imped Ohms
96-003	10,000
96-002	5,000
96-007	500
96-006	200
96-005	50
96-001	15



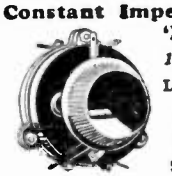
Junior Twin "L" Pad-1 Watt

Stock No. Ohms List, $3.00.
74-544 10,000 } YOUR
74-543 5,000 } PRICE..... **$1.76**

For individual control of magnetic speakers from centralized system. Provides smooth, individual volume control for each speaker. No switch. Bushing diam., ⅜"x½" long. Shaft diam., ¼" extends ½". Bakelite case diam., 1¾"x⅞" deep. Shaft and bushing insulated. With knob.

Constant Impedance 'L' Pad

10 Watt



List Price $5.00
YOUR PRICE **$2.94**

Stock Number	Resist Ohms	Stock Number	Resist Ohms
94-002	50	94-004	200
94-001	15	94-005	500
94-003	100	94-006	5000

Used in output circuits where the power does not exceed 10 watts. Commonly used as a voice coil control or line control with Dynamic Speakers. Provides constant impedance to line and thus, when used in multiple circuits, does not disturb the adjustment of other sections of the same circuit.

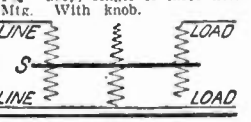
Wire wound for maximum power rating and housed in a moulded Bakelite case. Diameter 3½". Depth 2".

Constant Impedance "T" Pad

List price $7.00
YOUR PRICE **$4.12**

Stock Num.	Resist. Ohms	Stock Num.	Resist. Ohms
93-008	5,000	93-004	100
93-001	1,500	93-005	50
93-002	500	93-006	15
93-003	200		

A network of 3 resistances. Provides smooth attenuation while maintaining constant impedance. Bakelite case 3½"x 1¾" deep, single or three hole Mtg. With knob.



Dial Plate and Knob for Above Controls

For use with constant impedance or gain controls. Heavy brass silver finish with etched black calibrations, 0-10. Diam. 3".
60-490—255° rotation for 1-watt "L" Pad
60-489—325° rotation, for all others
List, 50c.
YOUR PRICE, EACH..... **29¢**
66-487—Black Pointer Knob, EACH..... **15c**

Giant Power Rheostat

50 Watt

Resistance wire wound on metal frame insulated with asbestos. Capable of operating at high temperature without damage. Will dissipate up to 50 watts. All resistances have 3 terminals and may be used as a potentiometer or rheostat. A convenient portable control for radio receivers, soldering irons, and other shop equipment. Contact lever is connected electrically with mounting sleeve. Insulating washers for mounting on metal panel furnished.

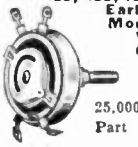
Stock Number	Ohms	YOUR PRICE
48-025	25	
48-060	60	
48-151	150	
48-501	500	**$1.47**
48-811	1,000	
48-851	5,000	$1.62

FREE!

Centralab Sound Projection Control Manual

A small 15 page booklet which gives complete details concerning the construction and application of Centralab's New Series II Sound Projection Controls. Specify one of these manuals to be included Free with your next order.

CROSLEY 40S, 41S, 42S, 71A, 82S, Early and Late Models. Twin Volume Control



25,000-40,000 ohm.
Part W-6596.
1711—
YOUR PRICE ..... **88¢**

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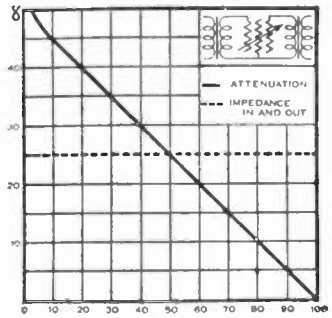
World Radio History

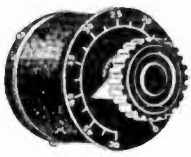
Centralab

Series II
Sound Projection Controls

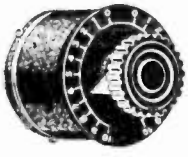
New controls of the finest type for input circuits in broadcast stations, public address systems, and recording apparatus of new or old design. Will prove faultless in the most critical service. Non-inductive carbon type specially tapered for constant impedance. Attenuation is continuously variable and practically straight line for 45 decibels at all frequencies up to 16,000 cycles. Long life is insured by the patented Centralab non-rubbing contact. This contact NEVER REQUIRES CLEANING. **Centralab controls remain noiseless and accurate through years of service.** Electrostatic and electromagnetic shielding provided by a black finished steel case. Bakelite screw type terminal strip on back of case. All resistance elements insulated from shaft and bushing. Single hole mounting. Mounting bushing ⅜" long with 2 locknuts and lock-washers. Case diameter 2⅜". Depth back of panel "T" Pad—2⅜"; Gain Control—1⅜". Maximum load dissipation 1 watt. 3" black dial calibrated in silver and large pointer knob furnished with control.



Curves Showing Variation In Attenuation and Impedance with Rotation for A "T" Pad Attenuator



"T" Pad—"L" Pad



"T" Pad Fader

Part	Line Impedance	Description	Part Number	Your Price
"T" PAD ATTENUATOR	500 Ohms 200 Ohms 50 Ohms	Constant Impedance to Both Input and Output	7-010-852 7-010-851 7-010-850	$7.35
"T" PAD FADER	500 Ohms 200 Ohms 50 Ohms	Two Constant Impedance Legs on Both Sides	7-210-852 7-210-851 7-210-850	$11.02
"L" PAD ATTENUATOR	500 Ohms 200 Ohms 50 Ohms	Constant Impedance to One Side Only	4-010-852 4-010-851 4-010-850	$3.67

Gain Control and Straight Fader

Gain control provides 50 Db. straight line attenuation for each control. **Straight fader** for Crystal or High Impedance Pickups.

Part	Resistance	Part Number	Your Price
GAIN CONTROL	250 M Ohms 500 M Ohms 1 Megohm	1-010-852 1-010-851 1-010-850	$2.94
Part	**Resistance Each Half**	**Part Number**	**Your Price**
STRAIGHT FADER	500,000 100,000 50,000	1-210-852 1-210-851 1-210-850	$3.67

Special Crosley Replacements

CROSLEY Model 26 Volume Control 125,000 ohm, long shaft Part W-20114

R1-504—YOUR PRICE ..... 88¢

CROSLEY MODELS 705, 706, Show Box
Part Number W-6352.
3E3299—YOUR PRICE..... 88¢

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
BRUNSWICK BALKE COLLENDER CO.							
5-NO, 5-NC-8, 3-NC-8	V. C.	404	$0.88	72-118	$0.59	SRP-138	$0.88
3NW8	V. C.	404	.88	72-100	.59	SRP-141	.88
PR-17-R, R-1, 2KR, 5KR, 2KRO, 5KRO, 3KR8, 5K-R6, 3KRO, 3KR6	V. C.	402	.88	72-100	.59	SRP-144	.88
S-14, S-21, S-31, S-81, S-82	V. C.	424P	1.18	62-108	.88	A5MP9	.88
DC-14, DC-21, DC-31, 10	V. C.	234W	.59	55-004*	1.18	A5MP9	.88
14, 21, 31, Panatrope	V. C.	202	.59	52-206	.88	J	.59
11, 12, 16	V. C.	365	.88	99-006	.88	N9	.88
33, 18	V. C.	365	.88			N9	.88
17A.C., 24 A.C., 25 A.C.	V. C.	203	.59			N	.59
D11, D12, D16, D18, D33	V. C.	203	.59			N9	.88
31AC	V. C.	202	.59			L	.59
15AC, 22AC, 32AC, 42AC	Tone	234W	.59	72-110	.59	E12	.59
17AC, 24AC, 25AC	Tone	283	.59			L	.59
DC-15, DC-22	Tone	205	.59	72-103	.59	K	.59
3-NW-8	N. S.	233	.59	72-108	.59	D	.59
11, 12, 16, 18, 33	Tone					M	.59
CENTURY RADIO PRODUCTS CO.							
5-47	V. C.	240	.59	52-205	.88	G9	.88
4-47	V. C.	240	.59	62-113	.88	H9	.88
5-38	V. C.	240	.59	52-205	.88	J9	.88
4-78	V. C.	240	.59	62-113	.88	J9	.88
Century Queen	V. C.	201AS	.88	62-102	.88	Y9(X200)	.88
Ace	V. C.	203	.59	72-105	.59	N	.59
Ace	Tone			62-117	.88	K12-9	.88
Ace	N. S.			70-205	.59	G	.59
Queen	Tone			72-117	.59	K12	.59
COLONIAL RADIO CORP.							
SG-32AC	V. C.	1651T	1.47	25-417*	1.47	GK	1.47
73, 76, T345, C399, T397, C495, 62	V. C.	201	.59	99-006	.88	H9	.88
44	V. C.	201	.59	99-006	.88	H9(B1)	.88
50	V. C.	201	.59	99-006	.88	H	.59
47, 48	V. C.	240	.59	99-006	.88	H9(B1)	.88
52	V. C.	201	.59	79-006	.59	H9	.88
C595, C695	V. C.	206	.59	62-116	.88	O	.59
C595, C695, C995	Tone			72-105	.59	N	.59
136	V. C.	201AS	.88	62-115	.88	H12	.59
250, 279, 300, 301, 500, "A" & "B" & AC	V. C.			62-108	.88	D12	.59
400	V. C.	206	.59	72-116	.59	N	.59
501, 501AC	V. C.	203AS	.88	62-105	.88	N9	.88
600, 600A, 601	V. C.	203	.59	72-105	.59	N	.59
700, 701, 702	V. C.	203AS	.88	62-105	.88	N9	.88
16-5, 16-6, 17-5	Fil.	204W	.59			Q	.59
21	V. C.	204W	.59			S	.59
20, 26	V. C.	204W	.59			T	.59
653, 654	V. C.					D9	.88
158	V. C.	877P	1.18				
177	V. C.	878P	1.18				
150	V. C.	2008P	1.18	72-106	.59	N9	.88
164, 182, 240	V. C.	2009P	1.18				
173	V. C.	796P	1.18				
106-106B	V. C.	793	.88			N	.59
52, 56, 62, 69, 71, 73, 76A and B, 106B, 164, T345, C399, T397, C495, 400, 501, 501AC, 600, 600A, 602, 603, 659, C695, C995	V. C.	203	.59	72-105	.59	N	.59
400 (Phono. Pickup Control)						A	.59
601 (Phono. Pickup Control)						B	.59
COLUMBIA PHONO. CO.							
C-1, C-3, C-6, C-7	V. C.	203	.59	72-116	.59	M	.59
C-2, C-4, C-5	V. C.	203	.59	72-116	.59	K12	.59
C31	V. C.	277W	.59	55-004*	1.18	A5MP	.59
C32, C25-31, C25-32	V. C.	277W	.59			A5MP	.59
C33, C34, C25-33, C25-34	V. C.	573	.59	52-205	.88	G	.59
C-80-A, C-80-B, C-800, C-80-C, C-90	V. C.	208	.59	72-121	.59	M	.59
920	V. C.	280	.59	72-102	.59		
950	V. C.	201	.59	72-100	.59	Y	.59
961, 940, C11	V. C.	201	.59	72-102	.59	Y	.59
980	V. C.	203	.59			K12	.59
902, 930	V. C.			72-116	.59		
120B	V. C.	772T	1.47	74-615*	1.47	GG	1.47
S. G. 5	V. C.	202	.59	52-202	.88	Z	.59
S. G. 9	V. C.			72-100	.59	DRP-119-9	1.76
S. G. 8	V. C.	1827P	1.18	82-028*	1.18	Y-8	.94
960	V. C.			70-204	.59		
C-80-A, C-80-B, C-800	Tone	205	.59	62-117	.88	K12-9	.88
C-90	Tone			62-121	.88	M	.59
C-90	N. S.			72-111	.59	Y	.59
930 Phono. Comb.	V. C.			75-525*	1.76		
CROSLEY RADIO CORP.							
AC7, AC7C	V. C.	282W	.59	72-118	.59		
Buddy and Chum	V. C.	274W	.59	72-118	.59	A400P	.59
608, 609	V. C.	1723G	.88	51-037*	.88	SRP-185	.88
610	V. C.	1712	.79	51-037*	.88	SRP-185	.88
804	V. C.	296	.88			G	.59
704, 704A, 704B, 705, 706 Show box	V. C	1712	.88	51-037*	.88	SRP-185	.88
41,41A, 42 2nd 705, 2nd 706	V. C.	1725	.88	51-037*	.88	SRP-185	.88
602, 2nd 704, 704A, 704-B, 2nd Jewel Box	V. C.	1839	.88	51-037*	.88	SRP-185	.88
Early 706	V. C	347	.88				
22, 23	V. C.	204	.59	72-100	.59		

Crosley Radio Corp. —Con't. on next page

World Radio History

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VOLUME CONTROL GUIDE

Volume, Tone, Sensitivity and Hum Controls

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
ATWATER KENT MFG.	—Cont.						
612, 469, 469D, 469-F, 260, 260-F, 3rd type, 99, 558-Q, 558-D	V. C.	203	$0.59	62-105	$0.88	N9	$0.88
82 D. C.	V. C.	464P	1.18	62-105	.88	N	.59
84, 84F, 84-Q, 588, 756, 756-B, 85-Q, 427, 427-Q, 89-P 1st type, 275 1st type	V. C.	203	.59	62-105	.88	N	.59
81, 81-B, 81-C, 91, 91B, 91C, 246, 424, 534, 711, 228-D, 228-F, 260, 188, 448, 99, 99F	V. C.	203	.59	62-105	.88	N9	.88
480	V. C.	203	.59	52-203	.88	N9	.88
55-F, 55-FC, 56-C with capacity coupled R. F. coils, 36 A.C.	V. C.	524T	1.47			GG	1.47
74, 76, 76-P chassis, 87-D	V. C.					CE	1.47
P, D-1, D-2	V. C.	1-T	1.47	74-521*	1.47	GK	1.47
L1	V. C.	1-T	1.47	4010902*	1.47	GG	1.47
L2, F, P, 70	V. C.	1-T	1.47	4010902*	1.47	GK	1.47
82Q	V. C.	465	.88	72-104	.59	N	.59
66	V. C.					NE	1.47
H-1, H-2, 72, 61C, 75-chassis Q	V. C.	1757-T	1.47	25-426*	1.47	LM	1.47
480	Beam	203AS	.88	72-114	.59	F	.59
469, 469F	Tone	203AS	.88	72-114	.59	G	.59
260,260-F, 1st and 2nd type 469, 469-F, 2nd type (Tone-beam) 812, 612, 260, 260-F, 3rd type (Tonebeam)	Beam	279	.59	72-119	.59	M-15M-P	.88
	Tone	279	.59	72-119	.59	M-20M-P	.88
448	N. S.	234	.59	72-140	.59	E	.59
711, 188, 188-F 2nd	N. S.	201	.59	79-006	.59	H	.59
812, 612, 588, 469, 558-D, 469-F, 2nd type, 260, 260-F, 3rd type	N. S.	279	.59	72-119	.59	Y	.59
612, 812	T. Beam	203AS	.88	72-119	.59	M20MP	.88
AUDIOLA RADIO CO.							
889	V. C.	240	.59	70-204	.59	A	.59
30-B and 7330	V. C.	233	.59	72-103	.59	D	.59
4T31, 4T32, 5T31, 5T-Jr., 6T31, 6T-Jr., 7T31, 8T31, 9T, 9T45-31, 10T-31, 139-S, 23T-5, 23T-58W	V. C.	240	.59	62-113	.88	G	.59
8430	V. C.	202	.59	70-202	.59	Z	.59
33A-C, 33-S-6 (auto), 23-S-8-Q	V. C.			72-122	.59	L	.59
23-S-7	V. C.	854	.88	62-105	.88	L	.59
6T31, 6TJr., 5T Jr.	Tone	240	.59	72-100	.59	G	.59
33-S-7, 33-S-8 32 volt, 23-S-8	V. C.			62-105	.88	N	.59
23-S-10, 23-S-12	V. C.	208	.59	62-121	.88	M9	.88
23-S-10, 23-S-12, 23-S-8, 33-S-8 32 volt, 33-S-7	Tone	205	.59	72-117	.59	K12	.59
527, 627	V. C.	204	.59			S	.59
33-S-5	V. C.	205AS	.88	62-103	.88	K12	.59
BALKEIT RADIO CO.							
B7-B9	V. C.	201	.59	72-100	.59	F12	.59
A-3, A-5, A-7, A-4 C, 52-1, E, "L-7," "KP," 55, L-8	V. C.	283	.59	72-103	.59	K12	.59
	V. C.	201	.59	99-006	.88	H12	.59
F	V. C.	201	.59	79-006	.59	H12	.59
42E, 42G	V. C.	573AS	.88	52-205	.88	G9 (B2)	.88
SG-6	V. C.	573AS	.88			H12	.59
M, KP, L-7, L-8, 52-1, 100	Tone			72-116	.59	O	.59
D-5	V. C.	205AS	.88	62-103	.88	K9	.88
100	V. C.	206AS	.88	62-116	.88	O9	.88
E, SG-6	Tone	283	.59	72-100	.59	G12	.59
45, 48, 38	V. C.	208	.59			M (X250)	.59
70	V. C.	203	.59			N9	.88
BELMONT RADIO CO.							
45, 46 51B, 52B, 53B, 54B, 51A, 52A, 53A, 54A, 60, 61, 62, 63, 64, 40-AC, 50-C, 70 series	V. C.	240	.59	62-113	.88	G12-9	.88
	V. C.	202	.59	52-205	.88	G	.59
425	V. C.	242	.59	52-202	.88	Z9	.88
110 series	V. C.	206	.59	62-103	.88	O	.59
100 series	V. C.	206	.59	72-116	.59		
775	V. C.	2005	.88			N9	.88
660 Auto, 625, 550, 530, 525	V. C.	203	.59	62-105	.88	N9	.88
575	V. C.	2034PG	1.18			Z12-9	.88
750, 1050	V. C.	957	.88	72-105	.59	N	.59
650	V. C.	2004P	1.18			N9	.88
50 series	Tone	283	.59	72-114	.59	G12	.59
675	V. C.	2035P	1.18			N9	.88
Series 60, Series 70, Series 50C	Tone	205	.59	72-117	.59	K12	.59
750	Tone	956P	1.18	72-105	.59	M	.59
1050	Tone	956P	1.18	62-122	.88	N9	.88
110 series	Tone	956P	1.18	72-122	.59	L	.59
540	V. C.	2002P	1.18			N9	.88
630	V. C.			2211001*	1.47		
BREMER TULLY MFG CO.							
S-81, S-82	V. C.	233W	.59	62-108	.88	A3MP	.59
81-A	V. C.	642P	1.18	52-205	.88	J9(X500)	.88
7-70, 7-71	V. C.	201	.59	72-169	.88	H12	.59
8-20, 8-21, 820-A, 821-A	V. C.	201	.59	62-102	.88	E12-9	.88
Counterphrase 8, 6-40 Batt.	V. C.	203	.59	70-203	.59	N	.59
640, 641	V. C.	280	.59	72-102	.59		
6	V. C.	202	.59			N	.59
14, 21, 31	V. C.	202	.59	52-206	.88		

Centralab

New Standard Twin Replacement Volume Controls

Two variable resistances on a common shaft completely insulated from each other and from the shaft and bushing. Many receivers giving troublesome operation with single controls may be improved considerably when a twin is used as described below:

74-601—For use where the original control was in the C-bias circuit. Panel resistance 10,000 ohms tapered for antenna. Rear section 25,000 ohms tapered for C-bias.

List Each, $2.50. YOUR PRICE. **$1.47**

74-602—For use where the original was in the screen grid circuit. Panel resistance 10,000 ohms tapered for antenna. Rear section 50,000 ohms tapered as screen grid potentiameter.

Dual Grid Volume Controls

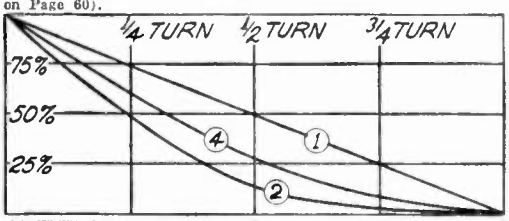
4010805—Both bases 100,000 ohms
4010807—Both bases 250,000 ohms
4010804—Both bases 500,000 ohms

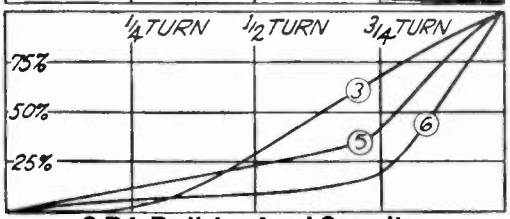
List Each, $2.50. YOUR PRICE. **$1.47**

TAPER CURVE CHARTS

For Standard Centralab Radiohm Controls

Correct choice of Volume Control permits smooth, even change of volume on any Radio Receiver:
Curve 1—Uniform Voltage Divider or S-G Potentiometer
Curve 2—C-Bias Control where low portion is important
Curve 4—For both Antenna shunt and C-bias of 3 tubes
Curve 3—For Antenna and C-bias of 2 tubes
Curve 5—Audio Pot. or Tone Control; also AVC and QAVC
Curve 6—Input to Grid, Ant. Shunt, or 1st audio Tone Control.
NOTE: All Volume controls are arranged to increase volume with clockwise rotation. Refering to diagrams below: The graphs given are arranged to indicate minimum volume at left (Designated terminal "A" in diagrams on Page 60. The Graph lines indicate the per cent of change of resistance for a given amount of rotation of the control shaft. Curve 1 is uniform. Curves 2 and 4 (L. H. taper) indicate volume controls used in circuits in which volume is increased by decreasing resistance in circuit. Curves 3, 5 and 6 (R. H. taper) indicate volume control used in circuits in which volume is increased by increasing resistance in circuit. In the diagrams the extreme right indicates maximum volume (designated terminal "C" in diagrams on Page 60).





C R L Radiohm Load Capacity

With this table you can choose the proper capacity Radiohm to handle the load of any circuit with ample margin of safety.

Control Number	Control Number	Resist. Ohms	Curve	Safe Milliampere Loads: Max. Volume	90% Rot.	50% Rot.	Min. Volume
62-118	72-118	500	1	70	70	60	60
62-107	72-107	1,000	1	50	50	40	40
62-101	72-101	2,000	1	50	40	25	25
62-108	72-108	3,000	1	50	35	20	20
62-109	72-109	4,000	1	50	35	18	18
62-110	72-110	5,000	1	50	35	15	15
62-114	72-114	10,000	1	35	25	10	10
62-113	72-113	10,000	3	20	14	7	7
52-205	70-205	10,000	4	40	30	13	7
62-115	72-115	15,000	3	20	12	6	6
99-006	79-006	15,000	4	40	30	12	6
62-119	72-119	20,000	3	18	10	5	5
62-111	72-111	25,000	1	30	15	5	5
52-206	70-206	25,000	4	30	18	7	7
62-103	72-103	50,000	1	20	10	4	4
52-202	70-202	75,000	4	30	10	5	2
62-104	72-104	100,000	1	10	7	3	3
62-131	72-131	200,000	4	20	10	3	1
62-106	72-106	500,000	1	10	2	1	1
52-203	70-203	500,000	2	15	10	2	.5

Volume Control Strips

Atwater Kent

Models 37, 37F, 38, 40, 40F, 41-DC, 42, 42F, 43, 44, 45, 46, 47, 52, 53. 450 ohm strip. R-1738—List, 50c. YOUR PRICE..... **25¢**

Early Models 55, 55C, 55F, 55FC, 60, 60C, 61, 61C. 6,000 ohm strip. R-1742—List, 50c. YOUR PRICE..... **25¢**

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World Radio History

Centralab

New Standard Replacement RADIOHM VOLUME CONTROLS

Centralab with its unequalled experience in the design and manufacture of over 18,000,000 volume controls for set manufacturers and replacement has developed a new improved Radiohm. **A newly designed patented non-rubbing contact** turns smoothly with an absolute minimum of wear. **New small size, with long shaft,** easy to saw to fit practically every set application. Case diameter 1⅜ in., depth ⅝ in., shaft 2¼ in. long milled flat.

The Switch Model is equipped with C-H underwriters Approved Snap Switch mounted on back cover. Switch capacity 2 Amps., 125 V.; 1 Amp., 250 V. Switch depth ⅝", total depth switch type ⅜".

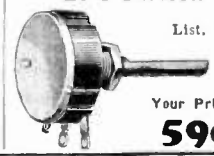
With Switch

List, $1.50

Your Price **88c**

Less Switch

List, $1.00



Your Price **59c**

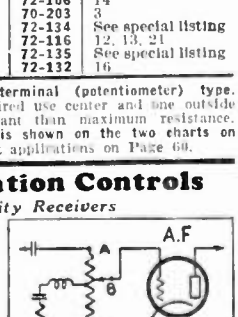
Resistance Ohms	Resistance Taper	Curve Num.	Number with Switch	Number Less Switch	Use in Circuit Number (See Page 68)
500	Unif.	1	62-118	72-118	9, 17, 20
1,000	Unif.	1	62-107	72-107	9, 17, 20
2,000	Unif.	1	62-101	72-101	4, 9, 17, 19, 20
3,000	Unif.	1	62-108	72-108	4, 9, 19, 20
4,000	Unif.	1	62-109	72-109	4, 9, 19, 20
5,000	Unif.	1	62-110	72-110	4, 9, 19, 20
5,000	L. H.	6	52-204	70-204	4, 19, 20
10,000	Unif.	1	62-114	72-114	4, 9, 10, 11, 19, 20
10,000	L. H.	3	62-113	72-113	5, 7, 8
10,000	R. H.	4	52-205	70-205	5, 7, 8
10,000	L. H.	6	62-100	72-100	4, 19, 20
15,000	L. H.	3	62-115	72-115	5, 7, 8
15,000	R. H.	4	99-006	79-006	2, 5, 7, 8
20,000	L. H.	3	62-119	72-119	5, 7, 8
25,000	Unif.	1	62-111	72-111	4, 9, 10, 11, 19, 20
25,000	R. H.	2	62-133	72-133	2, 5, 19
25,000	R. H.	4	52-206	70-206	2, 5, 7, 8
25,000	L. H.	3	62-102	72-102	5, 7, 8
50,000	Unif.	1	62-103	72-103	4, 19, 20
50,000	L. H.	5	62-117	72-117	4, 5, 6, 15, 16, 19, 20, 21
75,000	L. H.	5	62-123	72-123	4, 6, 15, 16, 19, 20, 21
75,000	R. H.	4	52-202	70-202	2, 18
100,000	Unif.	1	62-104	72-104	14
100,000	L. H.	5	62-122	72-122	6, 12, 13, 15, 16, 21
200,000	Unif.	1	62-120	72-120	14
200,000	R. H.	4	62-131	72-131	18
250,000	L. H.	5	62-121	72-121	6, 12, 13, 21
500,000	L. H.	5	62-105	72-105	6, 12, 13, 21
500,000	Unif.	1	62-106	72-106	14
500,000	R. H.	2	52-203	70-203	3
500,000			62-134	72-134	See special listing
1 meg.	L. H.	6	62-116	72-116	12, 13, 21
1 meg.			62-135	72-135	See special listing
3 meg.	L. H	6	62-132	72-132	16

All standard Radiohms are 3 terminal (potentiometer) type. Where 2 terminal control is required use center and one outside terminal. Taper is more important than maximum resistance. **The curve of each control listed is shown on the two charts on the opposite page.** Typical circuit applications on Page 60.

Tone Compensation Controls

For High Fidelity Receivers

The circuit illustrates a variation of audio shunt volume control that incorporates tone compensation. This type of circuit is becoming more and more prominent with the development of high fidelity receivers. These controls are tapped at 50% rotation and tapered for the audio shunt connection. For converting controls to the switch type use the standard Centralab switch cover plate.



72-134—500,000 ohms. } List, $1.20.
72-135—1,000,000 ohms. } YOUR PRICE ..... **59¢**

New Switch Cover-Plate

For all Centralab Standard Radiohms

Any plain Radiohm listed above may be converted to the switch type by replacing the back cover with this new switch coverplate. Approved switch.

3F3000—List, 50c.
YOUR PRICE ..... **29¢**

Latest Centralab

Volume Control Guide

64 pages of up-to-the-minute data. Includes type and resistance of Volume Controls and gives part number wherever possible. Also has standard RMA color code. **Pocket size.**

FREE With every order for 5 or more CENTRALAB Volume Controls

3F3001—If ordered separately. YOUR PRICE ..... **10¢**

RADOLEK REPLACEMENT

Electrad—Centralab and Yaxley

Explanation of Yaxley Abbreviations Used After Yaxley Control Code Letters

Figures 8 or 9 signify that the control is supplied with switch. **Letter B with a numeral** designates the control bias setting required for the receiver with which it is specified. **Letter "X" with numbers following** designates the value of the bias resistor to be used with the control. Bias resistor not included.

*Used after Centralab Controls indicates exact duplicate of original.

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
ALL AMERICAN MOHAWK CORP.							
(Also Lyric) 60, 61, 62, 65, 66, 80, 83, 84, 85, 86, 88	V. C.	166	$0.88	72-116	$0.59	SRP-170	$0.88
Lyric J3, J8, P4, P8, P9, C6	V. C.	240	.59	72-114	.59	G	.59
S-50, also 1st Kellogg A. C. Cherokee, 2nd Mohawk Kellogg A. C. Duet, Sextette, 115	V. C.	951	.88	70-205	.59	F	.59
	V. C.	202	.69	70-202	.69	Y500MP	.59
Lyric K, SW80, SA91, SA90, Sallo, SA65, SA130, SW8	V. C.	203	.59	72-105	.59	N	.59
Lyric K	Tone	241	.59	72-117	.59	K12	.59
S10, SA90, SA91, SA110, S-10AC, SA130	Tone	203	.59	72-105	.59	N	.59
SA91, 2nd SA90	N. S.	560	.59	72-114	.59	F	.59
SA110	N. S.	232	.59	72-101	.59	A2MP	.59
2nd SA130	N. S.	283	.59	72-114	.59	H12	.59
70, 73, 75	V. C.	2060	.88	70-501*	1.47	GG	1.47
90, 93, 94, 95, 96, 714, 742	V. C.	2052	.88	79-006	.59	G	.59
S6, S7, S8, S12	V. C.	283	.59	72-114	.59	G	.59
D. C. 65	V. C.	560	.59	52-205	.88	G	.59
S7	Tone	241	.59	72-117	.59	K12	.59
S63, SW8, SW80, SA65, S50	Tone	240	.59	72-100	.59	G12	.59
Lyric D11, D19, D29, D39, D69, H19, H29, H60	V. C.	1802T	1.47	74-601	1.47	DRP-169	1.47
S80, S80	Tone	208	.59	72-121	.59	M	.59
DC7-110 Volts	V. C.	2058T	1.47	74-615*	1.47	DRP-119	1.47
B7, B34	V. C.	479T	1.47	74-602	1.47	GG	1.47
S80, S63	V. C.	201	.59	99-006	.88	H	.59
S40, U50 Auto	V. C.	279	.59	62-119	.88	Y	.59
U55	V. C.	201	.59	62-119	.88	Y	.59
S8	Tone	240	.59	72-100	.59	Z12	.59
77, 99	V. C.			72-116	.59	M	.59
A. C. 226	V. C.	203	.59			Q	.59
VA, 808, 838, 848, 858, 868, 606, 616, 626, 656	V. C.					R	.59
AMERICAN BOSCH							
58, 62	V. C.	491	.88	72-167*	.88	D	.59
28, 29 (Spec. Pulley type)	V. C.	1747	.88	72-207*	.88	SRP-179	.88
48, 49 Early Models	V. C.	1832T	1.47	74-501*	1.47	GK	1.47
48, 49, 48AA Late Models	V. C.			74-510*	1.47		
54, 56	V. C.			74-602	1.47	GK	1.47
58, 60, 61, 62, 63	Tone	203	.59	72-105	.59	N	.59
60, 61, 63	V. C.	495	.88	72-105	.59	N	.59
46 A. C. 126, 146, 166, 176, 107, 96, 96D.C. 260,312,313	V. C.	203	.59	72-105	.59	N	.59
44, 62 D. C.	V. C.	233	.59	72-108	.59		
Model 100 Auto	V. C.	496	.88			N	.59
73, 74	V. C.	493P	1.18	62-100	.88	G12	.59
73, 74	Tone			72-117	.59	K12	.59
30, 40, 41 A. C.	V. C.	492P	1.18	62-105	.59	N	.59
242, 243, 250, 251	V. C.	203	.59	62-105	.59	N9	.88
80, 84	V. C.	494	.88	70-018*	.88	A20MP	.59
35 Cruiser	V. C.	204	.59			U	.59
27 Ambrola Batt. 46 D. C.							
Batt. 57, 87	V. C.	204	.59			S	.59
66, 76, 76L	V. C.	204	.59			V	.59
7, 7C, 36, 37 A. C.	V. C.	493P	1.18	52-205	.88	G12	.59
20, 20J, 20K, 20L	V. C.	493P	1.18	62-114	.88	G12-9	.88
31, 32	V. C.	493P	1.18	72-114	.59	G12-9	.88
200, 201, 205, 205A, 206	V. C.	203	.59	52-205	.88	G	.59
350, 360, 370, 355	V. C.	203	.59	72-105	.59	N	.59
420, 480	V. C.					N	.59
ATWATER KENT MFG. CO.							
37, 37C, 38, 40, 42, 43, 44, 45, 47, 52, 53	V. C.	(1738) Stripf	.39	72-112*	.88	SRP-239	.29
60, 60-C early, Early 55, 55-C, early 55-F, 55-FC early 61, -61-C D. C., 55 and 56C with trans. coupled R. F. coils, Late 61 and 61C	V. C.	(1742) Stripf	.39			SRP-241	.29
86, 86F	V. C.	463PG	1.18	62-118	.88	A550P	.59
82, 82F, 85, 85F	V. C.	433P	1.18	62-118	.88	A	.59
87 1st type, 87 3rd type	V. C.	277W	.59			D9	.88
84, 84F late	V. C.	462PG	1.18			SRP254	.88
94, 94F	V. C.	573	.59	62-109	.88	SRP254	.88
80, 80F, 83, 83F	V. C.	460P	1.18	2011905*	1.18	E9	.88
90, 90F	V. C.	460P	1.18	2011905*	1.18	E	.59
567, 567F	V. C.	993	.88	62-110	.88	E9	.88
217, 427, 667, 510, 310, 217-D, 427-D, 667-D, 708, 808-A, 165	V. C.	953P	1.18	62-105	.88	N9	.88
636, 756, 756B	V. C.	954P	1.18	51-122*	.88	N	.59
89, 89F, 188-188F, 627, 89-P 3rd type, 155 (3rd Type) above serial 7088700, 92, 92F, 96 (1, 2, 3), 96-F, 246, 266 2nd type, 555, 555 2nd type above serial 5063260, 425, 465, 155-1, 155-2, 812,	V. C.	203	.59	62-105	.88	N9	.88

Atwater Kent Con't on next page

World Radio History

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Vitreous Enameled Resistors

Tolerance Average 2% Plus or Minus

Wire wound on a ⅜" porcelain tube 1¾" long with a ¼" hollow center. Coated with high quality Vitreous enamel and fired at red heat making an enamel coating which is fused tightly to the wire, terminal connections, and base. Either the solder lugs and 1½" tinned wire leads may be used for mounting unit in circuit.

Non-Porous Waterproof Coating

10 Watt YOUR PRICE, EACH **20c** Ten for $1.90

Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms
3D1925	1	3D1934	25	3D1944	200	3D1953	1,250	3D8201	7,500
3D1926	2	3D1935	30	3D1945	250	3D1954	1,500	3D8202	10,000
3D1927	3	3D1936	40	3D1946	300	3D1955	2,000	3D8203	12,000
3D1928	4	3D1937	50	3D1947	350	3D1956	2,500	3D8204	15,000
3D1929	5	3D1938	75	3D1948	400	3D1957	3,000	3D8205	20,000
3D1930	7.5	3D1940	100	3D1949	500	3D1958	3,500	3D8206	25,000
3D1931	10	3D1941	125	3D1950	600	3D1959	4,000	3J1961	30,000
3D1932	15	3D1942	150	3D1951	750	3D1960	5,000	3J1962	40,000
3D1933	20	3D1943	175	3D1952	1,000	3D8200	6,000	3J1963	50,000

20 Watt Size—*2 Inches Long*

Stock Number	Resistance Ohms	Stock Number	Resistance Ohms	Stock Number	Resistance Ohms	Stock Number	Resistance Ohms
3C1825	5	3C1839	750	3C1853	3000	3D1867	25,000
3C1826	10	3C1840	800	3C1855	3500	3D8210	30,000
3C1828	50	3C1841	1000	3C1856	3750	3D8212	40,000
3C1829	75	3C1842	1100	3C1857	4000	3D8213	45,000
3C1830	100	3C1844	1250	3C1858	4500		
3C1831	150	3C1845	1500			3D8214	50,000
				3C1859	5000	3D8215	60,000
3C1832	200	3C1846	1750	3C1860	6000	3D8217	75,000
3C1833	250	3C1847	1850	3C1861	7000	YOUR PRICE	**37c**
3C1834	300	3C1848	2000	3C1862	7500		
3C1835	350	3C1849	2250	3C1863	8000		
3C1836	400	3C1850	2400	3C1864	10000		
3C1837	500	3C1851	2500	3C1865	12500	3D8218	80,000
3C1838	650	3C1852	2750	3C1866	15,000	3D8220	100,000
YOUR PRICE	**32c**	YOUR PRICE	**32c**	YOUR PRICE	**32c**	YOUR PRICE	**49c**

50 Watt Size—*4 Inches Long (with lugs)*

3C1876	20	3C1885	1250	3C1893	6000	3C1900	15,000
3C1877	50	3C1886	1500	3C1894	7000	3C1901	25,000
3C1878	100	3C1887	2000	3C1895	7500	3F1905	40,000
3C1879	250	3C1888	2250	3C1896	8000	3C1902	50,000
3C1880	500	3C1889	2500	3C1897	9000	3C1903	70,000
3C1882	750	3C1891	4000	3C1898	10,000	3C1904	100,000
3C1883	1000	3C1892	5000	3C1899	12,000		
YOUR PRICE	**54c**	YOUR PRICE	**54c**	YOUR PRICE	**62c**	YOUR PRICE	**72c**

Adjustable Voltage Dividers

Guaranteed Standard

Complete with One Adjustable Lug

Vitreous Enameled

Will replace any tapped voltage divider. Wound on Isolantite tube and covered with high grade vitreous enamel. A narrow track of exposed wire provides a simple means of adjusting the slider lug to the exact value desired. Small contact button on adjustable lug shorts out minimum of resistance. Monel Metal lugs insure firm connection with resistance wire. New longer tube permits the use of more than one adjustable tap where required. Rated strictly in accordance with the requirements of the National Electric Manufacturers Association. **Adjustable mounting brackets.**

25 Watt — Size 2"x⅝"

Stock Number	Resist. Ohms	Max. Curn't M.A.
3E1676	5	2450
3E1678	15	1410
3E1680	50	770
3E1682	100	545
3E1683	150	445
3E1684	200	385
3E1685	250	345
3E1686	500	245
3E1687	750	200
3E1688	800	193
3E1689	1000	173
3E1690	1500	141
3E1691	2000	122
3E1693	3000	100
3E1696	5000	77
YOUR PRICE		**42¢**
3E1698	7500	63
3E1699	10000	54
3E1700	12000	50
3E1701	15000	44
YOUR PRICE		**47¢**
3E1670	20000	38
3E1672	25000	32
YOUR PRICE		**54¢**

50 Watt — Size 4½"x⅝"

Stock Number	Resist. Ohms	Max. Curn't M.A.
3E1703	10	2340
3E1704	50	1048
3E1707	100	740
3E1709	200	520
3E1711	500	330
3E1714	1000	234
3E1716	2000	165
3E1718	3000	135
3E1719	4000	117
3E1720	5000	104
YOUR PRICE		**68¢**
3E1757	7500	85
3E1721	10000	74
3E1722	12000	67
3E1723	15000	60
3E1724	20000	50
3E1725	25000	45
YOUR PRICE		**75¢**
3E1726	30000	43
3E1727	50000	37
YOUR PRICE		**83¢**

75 Watt — Size 6½"x⅝"

Stock Number	Resist. Ohms	Max. Curn't M.A.
3E1732	100	865
3E1733	250	545
3E1734	500	387
3E1736	1000	270
3E1737	1500	223
3E1738	2000	190
3E1739	2500	173
3E1741	5000	122
YOUR PRICE		**86¢**
3E1742	10000	86
3E1743	15000	70
3E1745	25000	55
YOUR PRICE		**98¢**
3E1748	40000	43
3E1750	50000	39
YOUR PRICE		**$1.11**
3E1753	1100000	27
YOUR PRICE		**$1.22**

Extra Adjustable Lugs

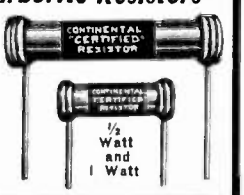
For use where additional taps are required.

3E1755— Net Each... **6¢**

CONTINENTAL CARBON Inc.

Certified Insulated Molded Carborite Resistors

1000 Volt Ceramic Insulation



Finest quality molded carbon resistors. The ceramic insulation permits them to come in contact with the chassis or other parts without the danger of shorting. Coating is very tough and will not chip. Quiet operation, permanent resistance value, non-inductive, oversize current carrying capacity. R.M.A. color coded plus Certified Seal with printed resistance value. 1¼" tinned wire leads. ⅜" dia., ½ watt ⅞" long, 1 watt-1⅝" long.

½ Watt Stock Number	1 Watt Stock Number	Resist. Ohms.	½ Watt Stock Number	1 Watt Stock Number	Resist. Ohms.	½ Watt Stock Number	1 Watt Stock Number	Resist. Ohms.
3E7800	3E7840	150	3E7813	3E7853	5,000	3E7826	3E7866	75,000
3E7801	3E7841	250	3E7814	3E7854	6,000	3E7827	3E7867	100,000
3E7802	3E7842	400	3E7815	3E7855	7,000	3E7828	3E7868	150,000
3E7803	3E7843	500	3E7816	3E7856	8,000	3E7829	3E7869	200,000
3E7804	3E7844	750	3E7817	3E7857	10,000	3E7830	3E7870	250,000
3E7805	3E7845	1,000	3E7818	3E7858	12,500	3E7831	3E7871	300,000
3E7806	3E7846	1,500	3E7819	3E7859	15,000	3E7832	3E7872	400,000
3E7807	3E7847	1,750	3E7820	3E7860	20,000	3E7833	3E7873	500,000
3E7808	3E7848	2,000	3E7821	3E7861	25,000	3E7834	3E7874	1. Meg.
3E7809	3E7849	2,500	3E7822	3E7862	30,000	3E7835	3E7875	1.5Meg.
3E7810	3E7850	3,000	3E7823	3E7863	40,000	3E7836	3E7876	2. Meg.
3E7811	3E7851	3,500	3E7824	3E7864	50,000	3E7837	3E7877	3. Meg.
3E7812	3E7852	4,000	3E7825	3E7865	60,000	3E7838	3E7878	5. Meg.

List Price, 20c.
YOUR PRICE, EACH ..... **12¢**

3 Watt **1-⅞" Long-⅜" Diameter**

Stock Number	Resist. Ohms.	Stock Number	Resist. Ohms.	Stock Number	Resist. Ohms.	Stock Number	Resist. Ohms.
3E7880	750	3E7885	10,000	3E7890	60,000	3E7895	250,000
3E7881	1,000	3E7886	12,500	3E7891	75,000	3E7896	300,000
3E7882	2,000	3E7887	15,000	3E7892	100,000	3E7897	400,000
3E7883	5,000	3E7888	25,000	3E7893	150,000	3E7898	500,000
3E7884	7,500	3E7889	50,000	3E7894	200,000	3E7899	1 Meg.

List Price, 30c.
YOUR PRICE, EACH ..... **18¢**

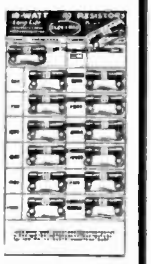
Electrad Vitreous Enameled 10 Watt Resistors

Resistors are mounted on a heavy fibre board card and can be easily removed and replaced. Flat pieces of formed spring steel are securely riveted to the board and inserted through the hollow cores of the resistors. Although held firmly in place resistors can be easily slipped off and on their supports. The card is plainly marked with resistance values, opposite each mounting. Size of card: 12" high, 6" wide.

Hang This Card in Your Shop

Take it with you when you go out on the job. You are always sure to have on hand and ready for use the most popular sizes of resistors when you want them. Reorder any of the sizes specified from our complete listing of vitreous enameled resistors at the top of this page.

1-250	Ohm
1-500	Ohm
1-750	Ohm
1-1000	Ohm
1-1500	Ohm
1-1750	Ohm
1-2000	Ohm
1-2500	Ohm
1-5000	Ohm
1-7500	Ohm
1-10,000	Ohm
1-15,000	Ohm
1-20,000	Ohm
1-25,000	Ohm



14 Popular Resistance Values

3F1969—List, $5.60. YOUR PRICE **$3.29**

Atwater-Kent Line Ballast Resistors

Models 42, 43—44-Size 3¼x1¼" } YOUR PRICE, EACH ..... **63¢**
3J1822—Pt. No. 13645-28 ohms }
3J1823—(44) Pt. 13755-21 ohms }

Power Transformers Repaired

Rewound—Rebuilt—Guaranteed Like New

Duplicate the Original . . . We Prepay the Return Postage

Stock Number	Total Number Tubes	Number & Type Pwr. Tubes	Your Price
3J3618	5	Any Type	$2.65
3E3600	6 to 8	1-71 A	2.95
3E3601	6 to 8	2-71 A	3.95
3E3602	6 to 8	1-45 or 47	3.95
3E3603	6 to 9	2-45 or 47	4.65
3E3604	8 to 10	1-50 or 10	5.25
3E3605	8 to 10	2-50 or 10	6.50
For Sets with Cardon or Kellogg Tubes			
3E3606	8 to 9	2-82B	4.35
3E3607	9 to 11	2-50	7.10

Add $1.00 extra for Units sealed in wax.

For 25 cycle transformers $1.50 net to above prices.

Quality Workmanship

All work is done under the direction of skilled, experienced transformer Engineers. We guarantee that the remanufactured transformer will be returned to you in perfect working condition and with electrical characteristics exactly like the original or if the original design was faulty, with improved corrected characteristics.

Fast Service

(1) Send in old Transformer prepaid, with your name and address. (2) Send your order by mail in the regular manner, paid in full or with a 20% deposit. (3) Specify on your order make, model, and exact tube combination of the Receiver using the Transformer. State line voltage and frequency it is to be used with.

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World Radio History

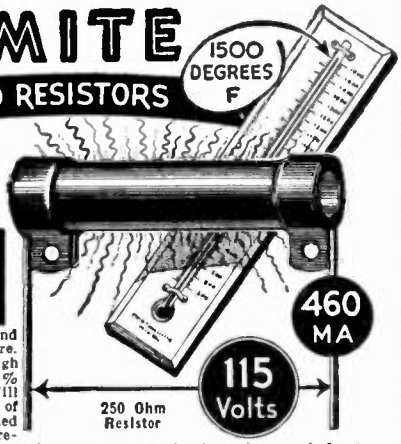
OHMITE

WIRE WOUND RESISTORS

1500 DEGREES F

RED DEVIL

SAFE! OVER 50 WATTS



Resistance wire units wound on refractory porcelain core. Covered with Ohmite high temperature cement. 100% efficient at rated wattage. Will safely carry temporary loads of 50 watts. Especially suited for P. A. amplifiers, for repairing sections of voltage dividers in power pack of receivers and for transmitters. Cannot deteriorate with age nor change in resistance value. Accuracy guaranteed plus or minus 10% and average about 6%. 1½ inch tinned leads.

10 WATT

Size 1¾x⅜ Inches.

List, Each 40c.
YOUR PRICE **24c**

Stock Num.	Ohms	Stock Num.	Ohms	Stock Num.	Ohms	Stock Num.	Ohms
3D1599	.4	3C1610	25	3C1621	300	3C1632	3,500
3C1600	1	3C1611	30	3C1622	400	3C1633	4,000
3C1601	2	3C1612	35	3C1623	500	3C1634	5,000
3C1602	3	3C1613	40	3C1624	600	3C1635	6,000
3C1603	4	3C1614	50	3C1625	750	3C1636	7,500
3C1604	5	3C1615	75	3C1626	1,000	3C1637	10,000
3C1605	7.5	3C1616	100	3C1627	1,200	3C1638	12,000
3C1606	10	3C1617	125	3C1628	1,500	3C1639	15,000
3C1607	12	3C1618	150	3C1629	2,000	3C1640	20,000
3C1608	15	3C1619	200	3C1630	2,500	3C1641	25,000
3C1609	20	3C1620	250	3C1631	3,000		

Center Tapped 10 WATT

List, 50c YOUR PRICE **29¢**

3E1657	10	3E1660	30	3E1663	75
3E1658	15	3E1661	40	3E1664	100
3E1659	20	3E1662	50	3E1665	200

20 WATT Size 2x⅞ Inches.

List, 75c YOUR PRICE **44¢**

Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms
3C1642	30,000	3C1647	55,000	3C1652	80,000
3C1643	35,000	3C1648	60,000	3C1653	85,000
3C1644	40,000	3C1649	65,000	3C1654	90,000
3C1645	45,000	3C1650	70,000	3C1655	95,000
3C1646	50,000	3C1651	75,000	3C1656	100,000

List, $1.00 YOUR PRICE **59¢**

OHMITE Wire-Watt

List, 25c.
YOUR PRICE, Each ..... **15¢**

One Watt Wire Wound Resistors

Especially designed as a replacement for burned out or noisy resistors. Wire wound—absolutely free from noise. RMA color coded. Size 1¾"x ¾"—1½" tinned leads. Accuracy guaranteed within 5%.

Stock Number	Resist. Ohms	Stock Number	Resist. Ohms
3D8250	100	3D8271	2,250
3D8251	125	3D8272	2,500
3D8252	150	3D8273	3,000
3D8253	200	3D8274	3,500
3D8254	250	3D8275	4,000
3D8255	300	3D8276	4,500
3D8256	350	3D8277	5,000
3D8257	400	3D8278	6,000
3D8258	500	3D8279	7,000
3D8259	600	3D8280	7,500
3D8260	700	3D8281	8,000
3D8261	750	3D8282	9,000
3D8262	800	3D8283	10,000
3D8263	900	3D8284	12,500
3D8264	1,000	3D8285	15,000
3D8265	1,100	3D8286	16,000
3D8266	1,200	3D8287	17,500
3D8267	1,250	3D8288	18,000
3D8268	1,500	3D8289	20,000
3D8269	1,750	3D8290	22,500
3D8270	2,000	3D8291	25,000

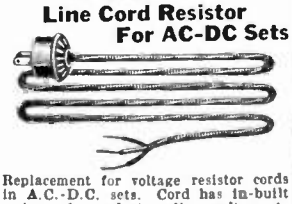
3D8292	30,000	List Price	...40c
3D8293	35,000		
3D8294	40,000	YOUR PRICE....	**24¢**
3D8295	45,000		
3D8296	50,000		

Center Tapped Wire-Watt

3E8240	10	3E8245	40
3E8241	15	3E8246	50
3E8342	20	3E8247	75
3E8243	25	3E8248	100
3E8244	30	3E8249	200

List, 35c.
YOUR PRICE ..... **21¢**

Power Cords
Line Cord Resistor For AC-DC Sets



Replacement for voltage resistor cords in A.C.-D.C. sets. Cord has in-built resistor for reducing line voltage to the correct value for the tube filaments.

Stock Number	Total Resistance	Filament Voltage Drop
3F1814	330	18.0 to 24.0
3F1815	290	25.0 to 31.5
3F1818	250	32.0 to 44.5
3F1819	220	45.0 to 52.0
3F1820	180	53.0 to 61.0
3F1816	160	62.0 to 68.9
3F1817	135	69.0 to 75.2

YOUR PRICE .. EACH ..... **31¢**

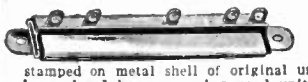
Replacement All-Rubber Power Supply Cords

For replacement on radios, lamps, fans, etc. Wetproof, washable, kinkless 7½ foot long rubber cord with unbreakable soft rubber plug attached to one end. Wires on other end are already stripped and tinned, easy to attach. Underwriters' Approved.

3J1800	—Black	List Price, 30c.
3J1801	—Brown	YOUR PRICE
3J1802	—Ivory	**18¢** EACH
3J1803	—Grey	
3J1804	—Green	

10 for..... $1.75

Candohm Replacements
For Original Equipment Resistors



Exact duplicate of the original Candohm units used in the sets listed below. Candohm part number shown in listing is identical to number stamped on metal shell of original unit to be replaced. Where resistor to be replaced has no number send unit to us properly tagged with name of set manufacturer.

Factory Number	Total Resistance	Stock Num.	Your Price
Airline (Se e Wells-Belmont		**Gardn er)**	
R-258	350	3J4984	$0.20
R-261	40,500	3J4985	.71
R-268	2,480	3J4900	.29
106-13	14,275	3J4901	.59
106-14	5,800	3J4902	.41
1012	31,050	3J4903	.82
Colonial			
R-7165	8,000	3J4905	.41
R-7280	3,500	3J4906	.49
R-7281	1,730	3J4907	.59
R-11697	1,900	3J4908	.41
Crosley			
20176B	900	3J4970	.49
20452B	4,295	3J4971	.71
20909	10,000	3J4972	.49
21955	6,500	3J4986	.49
21956	3,160	3J4987	.29
22574	6,415	3J4973	.59
22574A	3,205	3J4974	.59
22957A	1,100	3J4909	.29
28100	300	3J4910	.29
28471	33,500	3J4911	.41
28755A	274	3J4975	.82
28977	15	3J4912	.29
31883	33,500	3J4913	.49
32301	25,000	3J4914	.49
Erla			
9036	45,400	3J4915	.71
9310	190	3J4916	.59
9438	145	3J4917	.49
1068	50,320	3J4918	.71
1332	7,000	3J4932	.41
Emerson			
HR-38	1,500	3J4919	.20
HR-36	310	3J4920	.82
UR-90	15,000	3J4933	.29
OOR-162	12,000	3J4934	.29
QQR-171A	25,100	3J4983	.49
General Motors			
1202283	1,500	3J4921	.41
Grigsby (Majes tic)			
7818	2,640	3J4976	.41
8292	2,850	3J4977	.41
8647	400	3J4922	.29
9239	10,700	3J4978	.71
9472	3,850	3J4923	.49
10145	21,702	3J4979	.71
10252	10,000	3J4980	.29
10535	2,300	3J4939	.41
10636	41,750	3J4924	.82
10727	146	3J4925	.41
11013	40,775	3J4926	1.12
11451	20,931	3J4927	.88
12047	21,513	3J4928	1.12
Internatio nal			
R-302	1,500	3J4981	.20
R-303	310	3J4982	.82
R-304	135	3J4929	.20
R-310	90	3J4930	.20
R-329	4,600	3J4904	.29
Kennedy			
11F158	10,000	3J4931	.82

Factory Number	Total Resistance	Stock Num.	Your Price
Sparton			
A-4915	110	3J4947	$0.20
A-5502	200	3J4935	.20
A-4974	1,250	3J4936	.20
Stewart-	**Warner**		
83963	2,300	3J4949	.41
84196	900	3J4968	.49
84273	31,745	3J4969	.82
Stromberg	**Carlson**		
24200	5,240	3J4937	.49
T. C. A.	**(Clarion)**		
1819	15,100	3J4938	.59
4268	15,580	3J4996	.71
4269	19,200	3J4940	.71
4435	250	3J4941	.20
4445	350	3J4942	.20
P-4947	4,190	3J4943	.41
P-4948	4,300	3J4944	.49
United A	**merican**	**Bosch**	
104418	27,000	3J4945	.59
107236	25,300	3J4946	.82
U. S. Radi o (Grun		**ow**	
1752	22,600	3J4988	1.66
1754	250	3J4948	.20
1959	23,800	3J4989	1.66
2303	3,640	3J4990	.41
2303A	3,640	3J4950	.49
2381	16,000	3J4991	.71
2715	5,065	3J4951	.49
2811	4,500	3J4992	.71
2811A	4,450	3J4993	.71
3111	6,825	3J4994	.82
3360	24,300	3J4995	.88
3371A	3,200	3J4952	.29
3621	3,315	3J4997	.82
3622	4,300	3J4953	.49
4132	9,910	3J4954	.82
4145	20,900	3J4998	.58
4353	8,300	3J4999	.49
4477	12,725	3J4871	.59
5374	5,000	3J4872	.29
5463	7,050	3J4895	.59
6499	1,050	3J4955	.29
27416	32,272	3J4873	.71
27448	22,000	3J4874	.82
29115	4,460	3J4887	.41
29641	9,092	3J4888	1.00
30393	3,000	3J4889	.41
Wells-Gar dner			
90989A	8,741	3J4956	1.42
90974C	15,738	3J4896	1.12
91064	160	3J4957	.49
98002	39,050	3J4958	.71
98020	41,000	3J4967	.59
Wurlitzer			
3325	35,500	3J4959	.71
3384	160	3J4960	.49
Zenith			
63-163	320	3J4961	.20
63-173	750	3J4962	.71
63-236	500	3J4963	.29
63-251	2,405	3J4898	.71
63-252	7,500	3J4899	.59
63-298	250	3J4964	.20
63-302	1,875	3J4965	.29
63-308	15,290	3J4966	.82

Candohmeter
Resistance Indicators

An accurate, uniform wire wound resistor insulated from and enclosed in metal housing with exposed slot permitting contact with resistor. Furnished with insulated handle test prods. Has two scales, the upper one to determine approximate value, the lower to permit more accurate reading within that range. Serves to determine proper resistance to replace a defective resistor; useful as a voltmeter multiplier to secure high voltage readings with low range voltmeter; also serves as calibrated resistor for use in experimental work.

Dual Ranges

3J4894—Range 0 to 10,000 and 0 to 100,000 ohms. List Price, $2.00.
YOUR PRICE **$1.18**

3J4893—Range 0 to 100 and 0 to 1,000 ohms. List Price, $1.75.
YOUR PRICE **$1.03**

Electric Soldering Iron

1000 Hour Guarantee on Intermittant Service

For 105-125 volts
3J4776—
YOUR PRICE .. **29¢**

An amazingly low priced iron to serve all purposes of light soldering. Ideal for use where only occasional soldering is required. Not recommended where iron is left plugged in current line for long periods of time. Will give long and satisfactory service. With 4 ft. cord; ⅜ in. tip.

World Radio History
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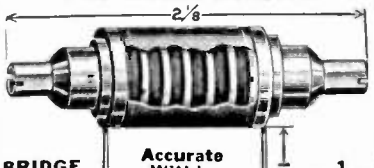
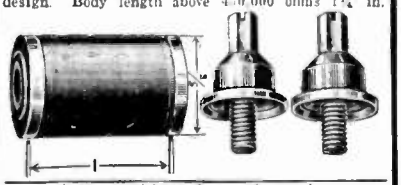
ELECTRAD Precision
Wire Wound Resistors



Designed for use in high grade test instruments, laboratory equipment and custom built apparatus. Particularly useful as voltmeter multipliers or for the construction of a 1000 ohms per volt multi-range voltmeter with any good quality 0-1 milliameter. Actually bridge-tested and guaranteed to be accurate within 1%. Space wound with highest quality enameled resistance wire in layers on Isolantite and impregnated with moisture resisting compound to insure against variation due to moisture absorption or temperature fluctuation. **Non-inductive—low distributed capacity** due to high insulation between turns and multiple layer design. Body length above 450,000 ohms 1¼ in.

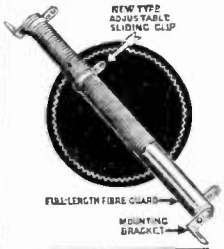


Stock Number	Resist. Ohms	Max. Volts Potential	Current M. A.	List Price	YOUR PRICE
3E8341	.1	.38	3875	$0.85	
3E8300	1.	1.2	1225	.85	
3E8344	2.08	1.77	847	.85	
3E8301	5.	2.7	548	.85	50c
3E8346	10.	3.8	387	.85	
3E8347	25	6.1	245	.85	
3E8349	30.	6.82	220	.85	
3E8350	33.33	7.1	210	.85	
3E8302	45	8.25	182	$0.85	
3E8353	50.	8.6	173	.85	
3E8354	100	12.	122	.85	
3E8303	150	15.	100	.85	50c
3E8355	200	17.	86	.85	
3E8304	400	25	61	.85	
3E8356	500	27.	55	.85	
3E8305	700	32.4	46	$0.90	
3E8357	750	34.	44	.90	
3E8358	1,000	38.	38	.90	53c
3E8306	1,450	40.	37	.90	
3E8307	1,500	45.	33	.90	
3E8359	2,500	61.	24	.90	53c
3E8360	3,500	65.	23	$1.00	
3E8308	4,000	79.	19	1.00	
3E8361	4,450	83.	18	1.00	
3E8309	4,500	84	18	1.00	59c
3E8362	4,950	86	17	1.00	
3E8363	5,000	87	17	1.00	
3E8364	5,500	90	16	$1.00	
3E8310	7,450	107	14	1.00	
3E8311	9,950	122	12	1.00	59c
3E8366	10,000	125	12	1.00	
3E8312	12,500	137	11	1.10	
3E8367	14,950	150	10	1.10	65c
3F8365	15,000	150	9.7	1.10	
3E8368	20,000	173	8.6	$1.35	
3E8369	25,000	194	7.7	1.35	
3E8313	30,000	212	7.	1.35	
3E8370	35,000	229	6.5	1.35	79c
3E8371	40,000	245	6.1	1.35	
3F8384	40,500	247	6.	1.35	
3E8372	50,000	274	5.5	1.35	
3E8314	60,000	300	5.	$1.60	94c
3E8315	75,000	336	4.4	1.60	
3E8316	90,000	375	4.	1.85	$1.09
3E8373	100,000	387	3.8	1.85	
3E8317	125,000	433	3.4	2.10	1.23
3E8318	140,000	450	3.2	$2.35	
3E8374	150,000	475	3.1	2.35	
3E8319	175,000	510	2.9	2.35	1.38
3E8375	200,000	548	2.7	2.35	
3E8320	225,000	580	2.5	$2.60	
3E8376	250,000	610	2.4	2.60	1.53
3E8377	300,000	670	2.2	2.85	1.68
3E8378	400,000	750	2.2	3.00	1.76
3E8321	450,000	750	2.	$3.40	2.00
3E8379	500,000	750	2.	3.40	2.50
3E8322	600,000	770	1.6	4.25	2.65
3E8323	750,000	750	1.3	4.50	2.79
3E8324	900,000	1000	1.	4.75	3.09
3E8325	1 Meg.	1000	1.	5.25	

Removable Ferrule Terminals

Furnished without ferrules with 1½ in. tinned wire leads. **Can be converted to ferrule type** unit as illustrated above by screwing ferrule into each end of resistor.

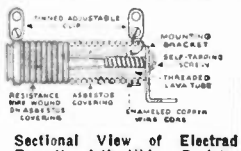
3J8299—Ferrules List, per Pair, 25c.
YOUR PRICE, per Pair ..... **15¢**



ELECTRAD TRUVOLT
Wire Wound Adjustable Resistors

High quality non-oxidizing low temperature co-efficient resistance wire, space wound on heat resisting asbestos insulated flexible core which in turn is wound on thread cut groove channels in special high tensile strength fire-proof white lava tubes. Advantages are high power dissipation due to natural air cooling design, easy connection of taps, and durability. Improved adjustable clip permits tapping at any desired point. Protective fiber insulating sleeve. Mounting brackets included.

1000 Volt Insulation



Sectional View of Electrad Truvolt Adjustible Resistor

Type A—10 Watts
⅜"x1¾" Long

Stock Num.	Resist. Ohms	Current M. A.	Max. Volts
3E150	1	3150	3
3E151	2	2200	4.5
3E152	2.5	2000	5
3E153	3	1800	5.5
3E154	5	1400	7
3E155	7.5	1150	8.5
3E156	10	1000	10
3E157	15	815	12
3E158	20	700	14
3E159	25	630	16
3E160	30	570	17
3E161	50	450	22
3E162	75	360	27
3E163	100	315	31
3E164	200	220	45
3E165	300	180	55
3E166	400	158	63
3D167	500	141	70
3E168	800	112	89
3E169	1000	100	100
3E170	1250	89	111
3E171	1500	81	122
3E172	2000	70	141
3E173	2500	63	158
3E174	3000	56	173
3E175	4000	50	200
3E176	5000	45	222
3E177	7500	36	274
3E178	10000	31	316
3E179	15000	26	388
3E180	20000	20	395
3E181	25000	16	400

List Price, Each 50c.
YOUR PRICE, Each.... **29¢**

Adjustable Sliding Clips

To adjust Truvolt resistors to exact value desired.
3E231—For Type "A" Truvolt.
3E230—For Types "B" and "D."
YOUR PRICE, Each.... **5¢**

Electrad Center Tap Resistors

Small compact flat resistors covered with a moisture proof enamel. Center tap is accurate to ± 1%. Size 1½" long, ⅜" wide. Tinned lugs extend ⅜".

Stock Number	Resist. Ohms	Max. Volts
3F182	10	4.5
3F183	15	5.5
3F184	20	6.5
3F185	30	7.5
3F186	50	10
3F187	75	12
3F188	100	14
3F189	200	20

List Price, 25c.
YOUR PRICE, EACH.. **15¢**

Type B—25 Watts
1 1/16"x2" Long

Stock Num.	Resist. Ohms	Current M. A.	
3E112	100	500	
3E113	200	353	
3E114	250	320	
3E115	300	289	
3E116	400	250	
3E117	500	224	
3E118	750	182	List Price 85¢
3E119	800	177	
3E120	850	165	YOUR PRICE
3E121	1,000	158	
3E122	1,250	141	**49c**
3E123	1,500	129	Each
3E124	2,000	112	
3E125	2,250	105	
3E126	2,500	100	
3E127	3,000	91	
3E128	3,500	84	
3E129	4,000	79	
3E130	4,500	75	
3E131	5,000	71	
3E132	6,000	64	List Price 95¢
3E133	7,000	60	
3E134	7,200	59	YOUR PRICE
3E135	7,500	58	
3E136	8,000	56	**56c**
3E137	9,000	53	
3E138	10,000	50	
3E139	12,000	45	
3E140	15,000	41	
3F141	20,000	35	
3F142	25,000	32	

List Price $1.10
YOUR PRICE..... **65c**

3F143	30,000	29
3F144	40,000	25
3F145	50,000	22.5

List Price $1.30
YOUR PRICE..... **76c**

Variable Voltage Dividers

Each has 4 sliding taps which enables the serviceman to obtain various voltages, depending upon the circuit used.

3F225—Type C-130-S. 13,000 ohms. 50 watts. List, $1.65.
YOUR PRICE ..... **76¢**

3F226—Type C-250-S. 25,000 ohms. 50 watts. List, $1.90.
YOUR PRICE ..... **76¢**

3F227—Type D-250-S. 75 watts—Special heavy duty unit for use where excessive current is used—25,000 ohms. List, $2.30.
YOUR PRICE **$1.25**

Type D—75 Watts
1 1/16"x6" Long

Stock Num.	Resist. Ohms	Current M. A.	
3E190	100	865	
3E191	200	610	
3E192	300	500	
3E193	400	432	
3E194	500	387	List Price $1.75
3E195	750	316	YOUR PRICE
3E196	800	306	
3E197	1,000	274	**$1.03**
3E198	1,250	245	Each
3E199	1,500	224	
3E200	2,000	194	
3E201	2,250	182	
3E202	2,500	173	
3E203	3,000	158	
3E204	3,500	146	
3E205	4,000	137	
3E206	4,500	129	
3E207	5,000	122	
3E208	6,000	112	List Price $2.00
3E209	7,000	103	
3E210	7,200	102	YOUR PRICE
3F214	10,000	87	
3F215	12,000	79	**$1.18**
3F216	15,000	71	
3F217	20,000	61	
3F218	25,000	55	
3F219	30,000	50	
3F220	40,000	43	
3F221	50,000	39	

List Price $2.25
YOUR PRICE..... **$1.32**

3F222	60,000	35
3F223	80,000	31
3F224	100,000	27

List Price $2.50
YOUR PRICE..... **$1.47**

Center Tapped Resistor

Each **8¢**
Ten For **75c**

½ Watt Capacity

Wire wound on fiber strip. Lugs firmly clamped on. Can be bent to any angle for mounting. Overall length about 1¼". Accurate within 5%.

Stock Number	Ohms	Stock Number	Ohms
3F490	6	3F494	25
3F491	10	3F495	30
3F492	15	3F496	40
3F493	20	3F497	50

Tinned "Bus" Wire

No. 14. Cut into two-foot lengths.
3J2067—Round, 10 Lengths. (20 feet) ..... **12¢**
100 lengths (200 feet) .. $1.05

1 Watt
5% Tolerance

Wire Wound Resistors—Pigtail Types

Wound on genuine Bakelite Strips

1⅝" long, ½" wide, ⅛" thick, wire leads 1½" long.
Wire May Be Unwound for Special Values of Grid Bias Resistance.

Standard Type

YOUR PRICE, Each **10¢** Ten for 95c

Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms
3E400	¼	3E412	15	3E425	200	3E439	700
3E401	½	3E414	20	3E426	225	3E440	750
3E402	1	3E415	25	3E427	250	3E441	800
3E403	1½	3E416	30	3E428	275	3E442	900
3E404	2	3E417	36	3E429	300	3E443	1000
3E405	3	3E418	40	3E431	350	3E444	1250
3E406	4	3E419	50	3E433	400	3E445	1500
3E407	5	3E420	75	3E434	450	3E446	1750
3E408	6	3E421	100	3E435	500	3E447	2000
3E409	8	3E422	125	3E436	550	3E448	2250
3E410	10	3E423	150	3E437	600	3E449	2500
3E411	12	3E424	175	3E438	650	3E451	3000

Center Tapped

YOUR PRICE, EACH... **11¢**
TEN FOR **98c**

Stock Number	Ohms	Stock Number	Ohms
3E455	6	3E464	50
3E456	10	3E465	60
3E457	12	3E466	70
3E458	15	3E467	80
3E459	18	3E468	100
3E460	20	3E469	150
3E461	25	3E470	200
3E462	30	3E471	300
3E463	40	3E472	400

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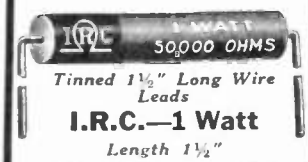
World Radio History

IRC Metallized Resistors

Genuine IRC—The original Metallized Resistors—dependable, most efficient, made for modern Radio Sets. Accuracy 10%.

New Insulated Metallized Resistors



Tinned 1½" Long Wire Leads

I.R.C.—1 Watt

Length 1½"

List, 25c Each
YOUR PRICE ..... **15¢**

Heavy casing of insulating material moulded around metallized filament resistance element sealing it from moisture and protecting it against shorting—shock—breakage—overload or grounding on other parts. Both color coded and individually marked with resistance value and wattage rating. Quiet and Reliable. Accuracy 10% ±.

Stock Number	Ohms	Stock Number	Ohms
3F11	300	3F72	22,500
3F12	350	3F73	25,000
3F13	400	3F74	30,000
3F14	450	3F75	35,000
3F20	500	3F76	40,000
3F21	600	3F77	50,000
3F22	750	3F78	60,000
3F23	800	3F79	65,000
3F26	1,000	3F90	70,000
3F27	1,250	3F91	75,000
3F28	1,500	3F92	100,000
3F29	2,000	3F93	125,000
3F30	2,250	3F94	150,000
3F31	2,500	3F95	200,000
3F32	3,000	3F96	250,000
3F33	3,500	3F97	300,000
3F34	4,000	3F98	400,000
3F35	5,000	3F99	500,000
3F36	6,000	3F100	600,000
3F37	7,000	3F101	750,000
3F38	7,500		Meghom
3F39	8,000	3F102	1.0
3F40	9,000	3F103	1.5
3F43	10,000	3F104	2.0
3F44	11,000	3F105	3.0
3F45	12,000	3F106	4.0
3F46	12,500	3F107	5.0
3F47	15,000	3F108	6.0
3F48	17,500	3F109	7.0
3F71	20,000	3F110	10.0

I.R.C. ½ Watt

Length ⅝"

List, 20c.
YOUR PRICE EACH
12¢

Stock Number	Ohms	Stock Number	Ohms
3F1469	100	3F1563	15,000
3F1470	150	3F1564	17,500
3F1471	200	3F1565	20,000
3F1472	250	3F1566	22,500
3F1473	300	3F1567	25,000
3F1491	350	3F1568	30,000
3F1492	400	3F1569	35,000
3F1493	450	3F1570	40,000
3F1439	500	3F1571	50,000
3F1494	600	3F1572	60,000
3F1495	750	3F1573	65,000
3F1496	800	3F1574	70,000
3F1497	1,000	3F1575	75,000
3F1498	1,250	3F1576	100,000
3F1499	1,500	3F1577	125,000
3F1548	2,000	3F1578	150,000
3F1549	2,250	3F1579	200,000
3F1550	2,500	3F1580	250,000
3F1551	3,000	3F1581	300,000
3F1552	3,500	3F1595	400,000
3F1553	4,000	3F1596	500,000
3F1554	5,000	3F1597	600,000
3F1555	6,000	3F1598	750,000
3F1556	7,000	3F1868	1.0 Meg.
3F1557	7,500	3F1869	1.5
3F1558	8,000	3F1870	2.0
3F1559	9,000	3F1871	2.5
3F1560	10,000	3F1872	3.0
3F1561	11,000	3F1873	3.5
3F1562	12,000	3F1874	5.0 Meg.

IRC 1 Watt

Pigtail Type—Length 1⅛"

List, 20c Ea.
YOUR PRICE.. **12¢**

Stock Number	Ohms	Stock Number	Ohms
3E1375	100	3E1402	30,000
3E1376	150	3E1403	32,000
3E1377	200	3E1404	40,000
3E1378	250	3E1405	45,000
3E1368	300	3E1406	50,000
3E1369	350	3E1407	51,000
3E1370	400	3E1408	60,000
3E1379	500	3E1438	65,000
3E1371	600	3E1409	70,000
3E1372	750	3E1410	75,000
3E1373	850	3E1411	99,000
3E1380	1,000	3E1412	100,000
3E1374	1,250	3E1413	150,000
3E1381	1,350	3E1414	190,000
3E1382	1,500	3E1415	200,000
3E1383	2,000	3E1416	240,000
3E1384	2,250	3E1417	250,000
3E1385	2,500	3E1418	300,000
3E1386	3,000	3E1419	400,000
3E1387	3,500	3E1420	490,000
3E1388	4,000	3E1421	500,000
3E1389	5,000	3E1422	750,000
3E1390	6,000		Megohms
3E1391	7,000	3E1423	1.0
3E1392	8,000	3E1424	1.5
3E1393	9,000	3E1425	2.0
3E1394	10,000	3E1426	2.5
3E1436	11,000	3E1427	3.0
3E1437	12,500	3E1428	3.5
3E1396	13,000	3E1430	5.0
3E1397	15,000	3E1431	6.0
3E1398	17,500	3E1432	7.0
3E1399	20,000	3E1433	8.0
3E1400	22,500	3E1434	9.0
3E1401	25,000	3E1435	10.0

IRC 2 Watt

Pigtail Type—Length 1⅞"

List Price, 30c Ea.
YOUR PRICE.. **18¢**

Stock Number	Ohms	Stock Number	Ohms
3E1500	50	3E1520	12,500
3E1501	100	3E1521	15,000
3E1582	200	3E1522	20,000
3E1502	250	3E1523	25,000
3E1583	300	3E1524	30,000
3E1584	350	3E1525	40,000
3E1585	400	3E1526	50,000
3E1503	500	3E1527	51,000
3E1586	600	3E1591	60,000
3E1504	750	3E1592	65,000
3E1587	850	3E1593	70,000
3E1505	1,000	3E1528	75,000
3E1506	1,250	3E1529	100,000
3E1507	1,500	3E1530	125,000
3E1508	1,750	3E1531	150,000
3E1509	2,000	3E1532	175,000
3E1510	2,250	3E1533	200,000
3E1588	2,500	3E1534	250,000
3E1511	3,000	3E1535	300,000
3E1512	3,500	3E1537	400,000
3E1513	4,000	3E1538	500,000
3E1514	5,000	3E1539	750,000
3E1515	6,000		Megohms
3E1516	7,000	3E1540	1.0
3E1589	7,500	3E1594	1.5
3E1517	8,000	3E1542	2.0
3E1518	9,000	3E1544	3.0
3E1519	10,000	3E1547	5.0
3E1590	11,000		

Philco Headquarters

See pages 134 to 139 for Philco radio replacement parts.

IRC Certified Handy 1-Watt Kit

20-1 Watt Resistors

3F1475—List, $4.00.
YOUR PRICE **$2.40**

Contains 20 metallized units of the most used sizes. Makes it possible for the man who is doing repair and replacement work to secure hundreds of different values. Pocket size. Contains one each of: 500, 1,000, 2,000, 5,000, 10,000, 15,000, 20,000, 25,000, 50,000, 60,000, 70,000, 75,000, 100,000, 200,000 ohms; ¼, ½, 1, 1½, 2 and 3 megohms.

I. R. C. Headquarters

The Radolek Company is headquarters for the most complete and advanced line of radio repair parts, test equipment and public address systems. Radolek's "Wholesale Only" policy protects your profits. *See page 5 for details.*

Metallized Auto Radio Suppressors

3F1485—Spark Plug Type.

3F1487—Distributor Type.

3F1486—Cable Type.

3F1490—Elbow Type.

3F1489—(50,000 ohms) Special Ford V-8 Type.

List Price, 30c.
YOUR PRICE (All Types).
EACH ..... **18¢**

New IRC Fused Dual Resistance Indicator

Two ranges obtained by tilting ball bearing slider to the scale desired. Low range, 100 to 10,000 ohms, high range 10,000 to 100,000 ohms. Littelfuse protects the resistance element against overheating.

Featured Applications

Quickly indicates the proper resistance value for best results in ANY circuit. Enables you to check even the "dead" resistors and all others—including those which may have changed in value. Also useful for measuring or determining resistance values for volume controls, as a calibrated potentiometer or voltage divider or as a temporary standard resistor.

3F1483—List, $4.50.
YOUR PRICE **$2.64**

I.R.C. Power Wire Wound Resistors

Machine wound evenly spaced high quality wire on a non-moisture absorbing ceramic core. Covered overall with a newly developed moisture-proof cement coating. Tolerance 5%.

10 Watt—Type P.B.

Size 1¾"x5/16"

Stock Number	Resist. Ohms	Stock Number	Resist. Ohms
3J1280	10	3J1300	2,250
3J1281	15	3J1301	2,500
3J1282	20	3J1302	3,000
3J1283	25	3J1303	3,500
3J1284	50	3J1304	4,000
3J1285	75	3J1305	4,500
3J1286	100	3J1306	5,000
3J1287	150	3J1307	6,000
3J1288	200	3J1308	7,000
3J1289	250	3J1309	7,500
3J1290	300	3J1310	8,000
3J1291	400	3J1311	9,000
3J1292	500	3J1312	10,000
3J1293	600	3J1313	11,000
3J1294	750	3J1314	12,000
3J1295	800	3J1315	12,500
3J1296	1,000	3J1316	15,000
3J1297	1,250	3J1317	20,000
3J1298	1,500	3J1318	25,000
3J1299	2,000		

List, 40c.
YOUR PRICE ..... **24¢**

20 Watt—Type P.C.

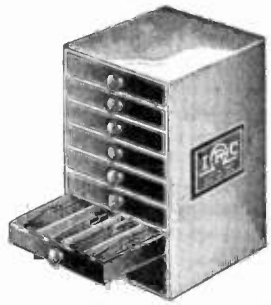
Size 2"x9/16"

3J1319	25,000	3J1322	40,000
3J1320	30,000	3J1323	50,000
3J1321	35,000		

List Price, 75c.
YOUR PRICE ..... **44¢**

I.R.C. Resisto-Chest

Just the Thing for Your Service Bench—Holds Several Hundred Resistors—Has Many Other Uses



Resisto-Cabinet Free with the Purchase of 56 I.R.C. Insulated Resistors

3J1545—The assortment consists of the most frequently used ranges of resistor values and is contained in the handy Resisto-Chest described above. Two each of the most popular values. Chest complete contains 2 each 1 Watt New Insulated Resistors of following ranges:

300	5,000	30,000	200,000
500	7,500	40,000	250,000
1,000	10,000	50,000	300,000
1,500	12,500	65,000	500,000
2,000	15,000	75,000	1.0 Meg.
2,500	20,000	100,000	1.5 Meg.
3,000	25,000	150,000	2.0 Meg.

You pay only the price of the resistors. List Price of Resistors, $14.00.

YOUR PRICE, With Cabinet **$8.23**

Chest Only

A sturdy fibreboard chest with seven small drawers and one large drawer. Each drawer is divided into small compartments for stocking various values of resistors. Ranges can be conveniently marked on drawers. Makes it easy to select the desired values and to check your resistor stock. Cabinet size: 8¼" high, 4¾" wide, and 5⅛" deep.

3J1543—
YOUR PRICE ..... **90¢**

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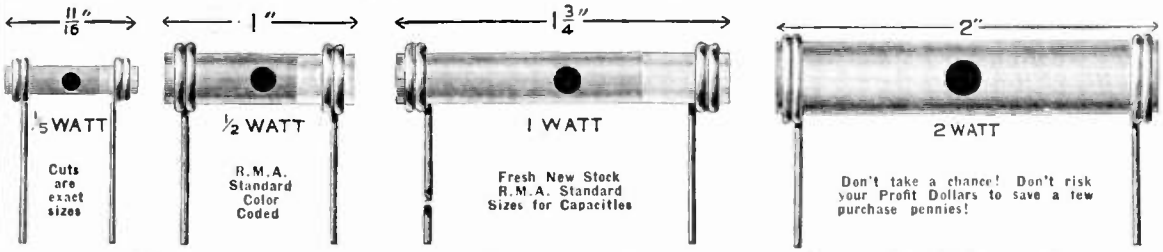
Radolek Certified Carbon Resistors



Certified Quality

Finest quality, new fresh stock direct from the factory. The development of years of extensive research and manufacturing experience. Resistance is permanent, within a narrow range even when operated at overloads for a long period of time. Have only slight temperature coefficients at ordinary voltages. The resistance—after first few minutes of operation becomes constant. Free from capacity effect. Unaffected by humidity. Negative temperature coefficient. Conservative wattage rating, will carry reasonable overloads safely. These efficient and accurate resistors are highly recommended for all repair work.

No Serviceman Can Afford to Waste His Time or Jeopardize His Reputation Using Inferior "Job Lot" or "Surplus" Resistors. Resistors Offered At Lower Prices *Are* of Inferior Quality *and Expensive At any Price. Don't risk your profit dollars to save a few purchase pennies!*

Guaranteed Accuracy

Variations from values are negligible. Ratings guaranteed within 10% average variations close to 5%. Unusually quiet and become MORE QUIET the longer in use. Very strong and sturdy. Will stand all reasonable handling in manufacturing and repairing. All have welded-on 1½ inch tinned copper wire leads. Perfect and permanent electrical and mechanical contact. Each resistor marked with standard R.M.A. color code or labeled with rated resistance. Modern laboratory machines and methods used in testing these resistors reject all units that do not pass these rigid standards of accuracy and quality.

Be Fair to Yourself and Your Customer! **We recommend a resale price of $1.00 for *Certified Quality Resistors.* With this generous profit you cannot afford to risk your reputation as a serviceman with "odd lot" or "second" quality cheap resistors. Use quality Radolek Certified Resistors.**

Buy With Confidence

These Radolek highest quality carbon resistors are made by the recognized leading Resistor Manufacturers. We well know that there are resistors offered by many others at lower prices than quoted here. But Radolek refuses to handle products of doubtful quality. Servicemen can always be sure of receiving only the **Highest Quality Carbon Resistors** when dealing with Radolek. We always have supplied only the finest quality resistors as "Radolek Certified Carbon Resistors." You can be assured that you will always get the Same First Quality Resistors when you order "Radolek Certified Carbon Resistors."

Radolek has tested carbon resistors sold by other companies at these same prices. Our tests have proven that in most instances resistors of inferior quality are being offered. Although Radolek is meeting competitive quotations, Radolek will not lower the quality.

1/5 WATT	1/2 WATT	1 WATT	2 WATT
10 for . . . **37c**	10 for . . . **44c**	10 for . . . **53c**	10 for . . . **88c**
Per Hundred $3.65	Per Hundred $4.20	Per Hundred $4.95	Per Hundred $8.50

Specify Size and Resistance by Stock Number

Resistance Ohms	1/5 Watt Stock No.	1/2 Watt Stock No.	1 Watt Stock No.	2 Watt Stock No.	Resistance Ohms	1/5 Watt Stock No.	1/2 Watt Stock No.	1 Watt Stock No.	2 Watt Stock No.	Resistance Ohms	1/5 Watt Stock No.	1/2 Watt Stock No.	1 Watt Stock No.	2 Watt Stock No.
100	3F1000	3F1075	3F1150	3F1235	3,500	3F1021	3F1096	3F1171	———	100,000	3F1041	3F1116	3F1191	3F1267
150	3F1001	3F1076	3F1151	3F1236	4,000	3F1022	3F1097	3F1172	3F1242	150,000	3F1042	3F1117	3F1192	3F1268
200	3F1002	3F1077	3F1152	———	4,500	3F1023	3F1098	3F1173	———	200,000	3F1043	3F1118	3F1193	3F1249
250	3F1003	3F1078	3F1153	3F1250	5,000	3F1024	3F1099	3F1174	3F1258	250,000	3F1044	3F1119	3F1194	3F1269
300	3F1004	3F1079	3F1154	3F1237	6,000	3F1025	3F1100	3F1175	3F1243	300,000	3F1045	3F1120	3F1195	3F1272
										400,000	3F1046	3F1121	3F1196	3F1273
350	3F1005	3F1080	3F1155	3F1238	7,000	3F1026	3F1101	3F1176	3F1259	Megohms				
400	3F1006	3F1081	3F1156	———	8,000	3F1027	3F1102	3F1177	3F1244					
450	3F1007	3F1082	3F1157	———	9,000	3F1028	3F1103	3F1178	3F1245	.5	3F1047	3F1122	3F1197	3F1270
500	3F1008	3F1083	3F1158	3F1251	10,000	3F1029	3F1104	3F1179	3F1260	.6	3F1061	3F1136	3F1211	———
600	3F1009	3F1084	3F1159	———	12,500	3F1030	3F1105	3F1180	3F1261	.75	3F1062	3F1137	3F1212	3F1274
										.9	3F1063	3F1138	3F1213	———
700	3F1010	3F1085	3F1160	3F1252	15,000	3F1031	3F1106	3F1181	3F1262					
800	3F1011	3F1086	3F1161	3F1239	17,500	3F1032	3F1107	3F1182	———	1.0	3F1048	3F1123	3F1198	3F1271
900	3F1012	3F1087	3F1162	3F1253	20,000	3F1033	3F1108	3F1183	3F1263	1.5	3F1049	3F1124	3F1199	———
1,000	3F1013	3F1088	3F1163	3F1254	22,500	3F1034	3F1109	3F1184	———	2.0	3F1050	3F1125	3F1200	———
1,250	3F1014	3F1089	3F1164	3F1240	25,000	3F1035	3F1110	3F1185	3F1264	2.5	3F1051	3F1126	3F1201	———
										3.0	3F1052	3F1127	3F1202	———
1,500	3F1015	3F1090	3F1165	3F1255	30,000	3F1036	3F1111	3F1186	3F1246					
1,750	3F1016	3F1091	3F1166	———	40,000	3F1037	3F1112	3F1187	3F1247	3.5	3F1053	3F1128	3F1203	———
2,000	3F1017	3F1092	3F1167	3F1256	50,000	3F1038	3F1113	3F1188	3F1265	4.0	3F1054	3F1129	3F1204	———
2,250	3F1018	3F1093	3F1168	———	60,000	3F1039	3F1114	3F1189	3F1248	5.0	3F1055	3F1130	3F1205	———
2,500	3F1019	3F1094	3F1169	3F1241	75,000	3F1040	3F1115	3F1190	3F1266	6.	3F1056	3F1131	3F1206	———
3,000	3F1020	3F1095	3F1170	3F1257						10.0	3F1060	3F1135	3F1210	———

The RADISTOR Kit

Twenty-Four "Certified" Replacement Resistors

In Compact Lacquered Metal Carrying Case		*Without Metal Case*	
3J1232—1 Watt Kit.....	$1.62	3J1220—1 Watt Kit.....	$1.22
3J1231—½ Watt Kit.....	1.45	3J1221—½ Watt Kit.....	1.05
3J1230—⅕ Watt Kit.....	1.25	3J1222—⅕ Watt Kit.....	.85

Color Code Chart Free

These kits enable the serviceman to make practically any resistor repair regardless of any unusual value resistance needed. Twenty-four of the most popular value resistors are included as follows: 1 each—100; 250; 400; 500; 800; 1,00; 2,000; 3,000; 5,000; 6,000; 10,000; 12,500; 15,000; 20,000; 25,000; 40,000; 50,000; 60,000; 75,000; 100,000; 250,000; 500,000 ohms; 1 megohm; 2 megohms. If value wanted is not in kit, combinations can be made to give a resultant resistance of any exact value needed. Simple chart and calculating formulae included in kit. Accuracy guaranteed within 10%, and most values are actually within 5%.

In the Metal Box

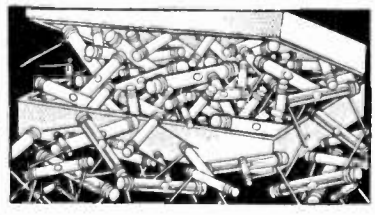
Resistors are always ready and safe. Strong, green lacquered heavy guage steel boxes protect the resistors against the roughest handling. Drop the kit in your tool box, on the job, you are always sure to have the correct dependable resistors ready to use. The right resistor when you want it.

Metal Box Only

3F1233—Case Only. No Resistors. YOUR PRICE ..... **42¢**

Certified Quality Assures Dependable Performance
Use These High Quality Resistors for All Jobs

SPECIAL BARGAIN
Carbon Resistor Kit



3J1229—*Kit of 100 Resistors.* YOUR PRICE **$1.50**

Kit contains 50-1 Watt, 25-½ Watt, and 25-¼ Watt Resistors of values most commonly used by radio manufacturers. Tolerance within 20%. R.M.A. color coded. 1½" long tinned wire leads. Packed in cardboard boxes. Superior in quality to most resistors offered at this price and even at higher prices, but not equal in quality to Radolek Certified Carbon Resistors.

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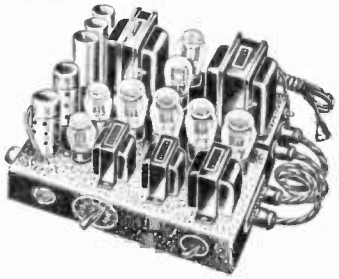
World Radio History

THORDARSON Build-it Yourself Amplifiers



T5730-30 watt Amplifier Kit

- Operates from 110-120 volts, 60 cycle A.C.
- 10 tubes—four stages of amplification.
- Gain of 118.4 decibels from a 100,000-ohm input.
- Negligible hum, down 47.2 D.B. from maximum level.
- Adapted to crystal, carbon, ribbon, and dynamic microphones or 200-ohm line input or 10,000-ohm high impedance radio or phono-pickup circuit.
- Provides current for carbon microphones.
- Handles from one to six large dynamic speakers.
- Supplies 30 watts field current.
- Output tapped at 4, 8, 15 and 500 ohms.
- Two-unit base for rack-and-panel, portable or shelf use.
- Tone control, volume control, and switch simplify the operation.

Official Parts Price List

Thordarson Foundation Unit

3J10120—Amplifier and power supply bases with all sockets mounted and holes drilled, sub-assembly base, resistor mounting and terminal strips. Complete instructions, diagrams, and assembly layouts. List, $8.00.
YOUR PRICE **$4.70**

Thordarson Chokes & Transformers

3J4300	T-7550 Power Transformer	$4.70
3J4301	T-7551 Filter Choke	3.53
3J3518	T-1892 Filter Choke	1.03
3J4302	T-7430 Filter Choke	.88
3J4303	T-5319 Choke	.79
3J4304	T-7549 Choke	.79
3J4305	T-7431 Tapped Input Imped.	2.20
3J4306	T-7432 Push-Pull Interstage	2.20
3J4317	T-6792 Output Transformer	3.53

3J4339—Essentials Kit. Consists of all necessary Chokes and Transformers as listed above. List Price, $33.45.
YOUR PRICE **$19.67**

Aerovox Condenser Kit

3J8916—Contains all necessary paper and electrolytic condensers. (14 in all). List Price, $8.75.
YOUR PRICE **$5.14**

Resistor Kit

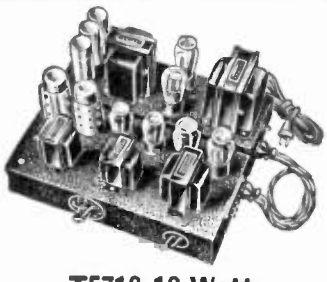
3J1215—Contains all necessary resistors and variable controls. (Continental, Ohmite, Electrad). List Price, $9.80.
YOUR PRICE **$5.76**

Miscellaneous Parts Kit

3J4342—Contains switches, tube shields, all cables, power cord, knobs, dial plates, plugs, hook-up wire and all necessary hardware.
YOUR PRICE **$3.25**

Sylvania Tube Kit

3J480—Includes 2-6C6, 2-76, 4-2A3, 1-83, 1-82 types Sylvania Tubes. List, $11.10.
YOUR PRICE **$5.66**



T5718-18 Watt Amplifier Kit

- Operates from 110-120 volts, 60 cycle A.C.
- Crystal, Ribbon, Dynamic, or Carbon Microphone may be used without changing circuit.
- One 5000 or two 2500, or four 1250 ohm field dynamic speakers—25 watts field supply.
- Terrific gain—114.9 D.B. for a crystal mike.
- New input circuit—over-all gain compensated for any type input circuit!
- Low and High impedance input terminals for radio, phono-pickup, or line input!
- Ample current for double-button carbon mike.
- Pre-amplifier is an integral part of circuit.
- Two-unit base—amplifier alone may be converted to use 6 volts and motor-generator B power for mobile or field use.

Official Parts Price List

Thordarson Foundation Unit

3J10121—Amplifier and power supply bases with all sockets mounted and holes drilled, sub-assembly base, resistor mounting and terminal strips. Complete instructions, diagrams, and assembly layouts. List Price, $6.00.
YOUR PRICE **$3.53**

Thordarson Chokes & Transformers

3J4307	T-7428 Power Transformer	$3.82
3J4308	T-7429 Power Choke	2.79
3J3518	T-1892 Filter Choke	1.03
3J4302	T-7430 Filter Choke	.88
3J4304	T-7549 Filter Choke	.79
3J4303	T-5319 Input Impedance Choke	.79
3J4305	T-7431 Tapped Input Imped.	2.20
3J4306	T-7432 Push Pull Input Trans.	2.20
3J4314	T-6594 Universal Output Trans.	2.94

3J4340—Essentials Kit. Consists of all necessary Chokes and Transformers as listed above. List Price, $29.70.
YOUR PRICE **$17.44**

Aerovox Condenser Kit

3J8917—Contains all necessary paper and electrolytic condensers. List, $9.00.
YOUR PRICE **$5.14**

Resistor Kit

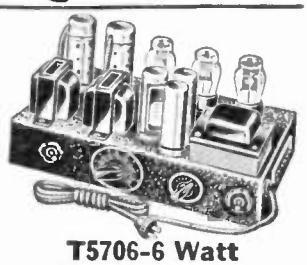
3J1216—Contains all necessary resistors and variable controls. (Continental, Ohmite and Electrad.) List Price, $8.75.
YOUR PRICE **$5.14**

Miscellaneous Parts Kit

3J4343—Contains switches, tube shields, knobs, dial plates, 5 ft. shielded cable, power supply cord, cable connector and plugs, hook up wire, and all necessary hardware.
YOUR PRICE **$2.70**

Sylvania Tube Kit

3J481—Includes 2-6C6, 2-76, 2-42, 1-82, 1-83 type Sylvania Tubes. List, $7.90.
YOUR PRICE **$4.02**



T5706-6 Watt Amplifier Kit

- Operates on 110-120 volts, 60 cycle A.C.
- Crystal, ribbon, dynamic, or carbon microphone may be used without changing circuit.
- One 5000 or one or two 2500 ohm field dynamic speakers supplied from 10 watt field power circuit.
- Gain of 106.25 D.B. for a crystal microphone.
- New input circuit—low and high impedance terminals for radio, phono-pickup, or line input.
- Ample button current for double-button carbon microphone.
- Single-unit base for rack-and-panel, portable or shelf use.
- Two 6C6, two 42's in Class A, and an 80 are the tubes used.
- Circuit may be easily changed to use 6-volt filament and motor-generator B power for mobile or field use.

Official Parts Price List

Thordarson Foundation Unit

3J10122—Chassis base with all sockets mounted and holes drilled, sub-assembly base, resistor mounting and terminal strips. Complete instructions, diagrams, and assembly layouts.
List Price, $4.50.
YOUR PRICE **$2.65**

Thordarson Chokes & Transformers

3J4309	T-7547 Power Transformer	$2.20
3J3505	T-6751 Output Transformer	2.20
3J4305	T-7431 Tapped Input Imped.	2.20
3J4302	T-7430 Filter Choke	.88
3J3524	T-5753 Filter Choke	1.18
3J4303	T-5319 Filter Choke	.79

3J4341—Essentials Kit. Consists of all necessary Chokes and Transformers as listed above. List Price, $16.10.
YOUR PRICE **$9.47**

Aerovox Condenser Kit

3J8918—Contains all necessary paper and electrolytic condensers. (11 in all). List Price, $7.48.
YOUR PRICE **$4.39**

Resistor Kit

3J1217—Contains all necessary resistors and variable controls. (Ohmite and Electrad). List Price, $5.45.
YOUR PRICE **$3.20**

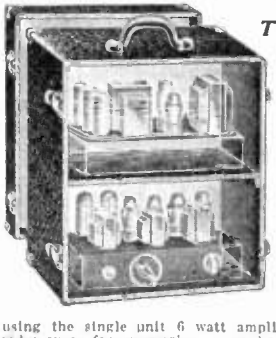
Miscellaneous Parts Kit

3J4344—Contains switches, tube shields, knobs, dial plates, shielded cable, power supply cord, plugs, hook-up wire, and all necessary hardware.
YOUR PRICE **$2.27**

Sylvania Tube Kit

3J482—Includes 2-6C6, 2-42, 1-80 type Sylvania Tubes. List Price, $5.00.
YOUR PRICE **$2.57**

Carrying Case

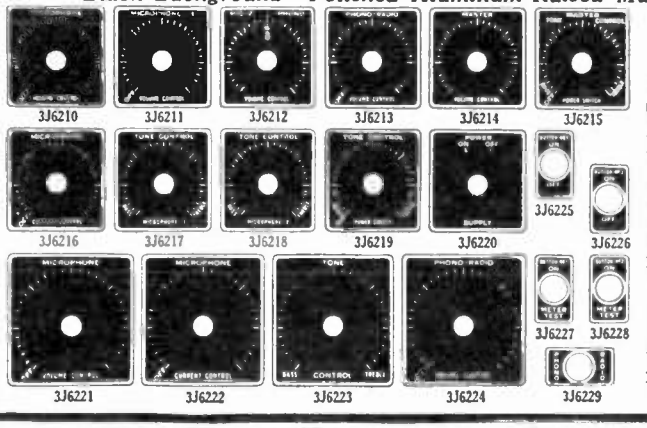


For Thordarson Amplifiers
3J10484
Your Price
$5.88

Especially constructed for Thordarson 6 Watt, 18 Watt, and 30 Watt Amplifiers. Case permits mounting power supply apart from amplifier. When using the single unit 6 watt amplifier shelf provides space for accessories or speaker. Constructed of ply-wood covered with durable brown fabricoid. Removable side cover with secure fasteners. Reinforced corners. Overall size: 21½"x19"x10½". *Note: Dual Speaker Case Listed on Page 105.*

Etched Aluminum Indicating Plates

Black Background—Polished Aluminum Raised Markings



Heavy 24 Gauge
Price List

Size: 2⅝"x1⅛". Use with 1⅛" long pointer knob. Stock numbers 3J6210 to 3J6220 inclusive. List, 30c, Your Price **10¢**

Size: 2¾"x2¼". For 2½" long pointer knob. Stock numbers 3J6221 to 3J6224 inclusive. List, 35c. Your Price **15¢**

Size: 2¾"x¾". For toggle switches Stock numbers 3J6225 to 3J6229 inclusive. List, 20c. Your Price **8¢**

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Jefferson

Universal Audio Replacements Outputs, Chokes

Straight Audio, 1 to 2 Ratio

For underchassis replacement in any A.C. or D.C. set. Brackets for vertical or horizontal mounting. Range ± 4 db. 120 to 5000 cycles. Wt. ¾ lbs. Size 2⅜"x2⅛"x3⅜". Flexible leads.

3D4281—Code 467-164.
List Price, $1.35.
YOUR PRICE ..... **73¢**

Push-Pull Input or Straight Audio

For use in any A.C. or D.C. receiver. Designed for push-pull, 1 to 3 ratio, amplification. By not connecting center tap, a 1 to 6 ratio straight audio is obtained. May be mounted in four positions with universal brackets. Lugs and tinned leads combined for convenient connections. The audio response curve is ± 4 db. from 80 to 3500 cycles at 1 to 6 ratio. Size 12"x2⅝"x1¾" high. Wt., 1 lb.

3E4278—Code 467-168. List, $1.95
YOUR PRICE ..... **94¢**

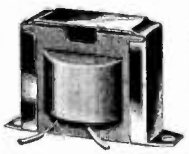
Universal Choke "30" Henry

An all-purpose filter choke incorporating universal mounting features. Recommended for use in all circuits requiring a quality choke of sturdy and generous proportions. Windings are vacuum impregnated to remove all trace of moisture and to guard against re-absorption. Connections brought out to silvered lugs and leads. Resistance 275 ohms; maximum current carrying capacity 100 mills. Size 2"x2⅜"x2" high. Shpg. wt., 1¾ lbs.

3E4296—Code 466-125.
List Price, $1.75.
YOUR PRICE ..... **73¢**

Replacement Type Audios

Straight Audio



Manufacturer's type, ratio 1 to 2. Used in many sets to couple 27 detector to 26 tube or from a 26 to a 71A. 10 Ma. Plate current limit. Size 3"x1⅝"x1⅝". Wt. 1 lb.

3E4265—
Code 467-401.
List Price, $1.05.
YOUR PRICE ..... **62¢**

Push-Pull Input

Manufacturer's type, ratio 1 to 2. For coupling a 26, 01A, or 27 tube to push-pull 112A, 71A, or 45 tubes. 10 Ma. Plate current limit. Sizes 3"x 1⅝"x1⅝". Wt. ¾ lbs.

3E4266—467-402. List Price, $1.10.
YOUR PRICE ..... **65¢**

Large Size Replacement

Push-Pull Input

Ratio 1 to 3

3E4268—467-404. List Price, $1.40.
YOUR PRICE... **82¢**

Increased core size and heavier wire greatly improve the audio response curve of this transformer. Size 3⅛"x1⅞"x2" high. Sell this transformer on service jobs where results better than obtained with the original unit are desired. ± 4 db. from 90 to 4000 cycles.

Thordarson and Jefferson Transformer Headquarters

Radolek will make immediate shipment on all types of Jefferson or Thordarson transformers. If the transformer you require is not listed on this page send us your order and we will make quick shipment at the *Regular Dealer Price.*

See pages 50 and 104 for Thordarson and Jefferson P.A. Transformers.

THORDARSON TRANSFORMERS AND CHOKES THORDARSON

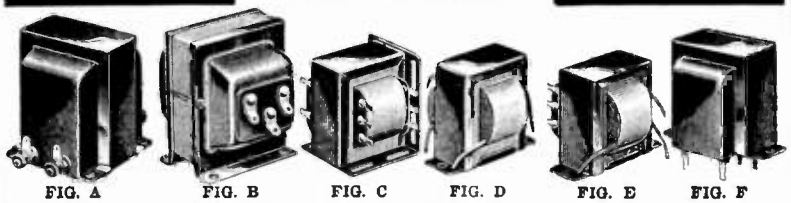


FIG. A FIG. B FIG. C FIG. D FIG. E FIG. F

AUDIO TRANSFORMERS

Typical Application	Thor. Type	Turns Ratio	Stock Number	List Price	Your Price	Primary M. A.	Primary D.C. Ohms	Mtg. Fig.	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Holes
	R-100	1:2	3J3485	$1.75	$1.03	8	1217	C	2⅛	2	1⅞	Univ.
Single Plate	T-2999	1:2	3J3486	1.75	1.03	8	1296	B	2⅛	2	2	2⅛
27, 56, etc.	T-5736	1:2	3J3487	2.00	1.18	8	1296	F	2⅛	2	2⅛	2⅛
to	R-103	1:2	3J3488	2.00	1.18	8	1296	C	2½	2⅛	1⅞	Univ.
Single Grid	T-5737	1:3	3J3489	3.00	1.76	8	2385	B	3	2½	2	2⅛
56, 45, 47, etc.	T-5738	1:3	3J3490	3.25	1.91	8	2385	F	3	2½	2½	2⅛
	T-3391	1:3.2	3J3491	2.00	1.18	8	1394	B	2⅛	2	2	2⅛
Single Plate	R-101	1:3.2	3J3492	2.25	1.32	8	1394	C	2½	2⅛	1⅞	Univ.
27, 56, etc.	T-5740	1:3	3J3493	3.50	2.06	8	2694	B	3	2½	2	2⅛
to	T-4304	1:3	3J3494	4.00	2.35	8	2694	A	3	2½	2⅛	2⅛x2
P-P Grids	T-5741	1:3	3J3482	3.75	2.20	8	2694	F	3	2½	2½	2
56, 45, 47, etc.	T-5742*	1:3	3J3495	3.50	2.06	8	2159	B	3	2½	2	2⅛
	T-5743*	1:3	3J3496	3.75	2.20	8	2159	F	3	2½	2½	2⅛
Single Plate												
30 or 49 to	T-5463°	1:2.4	3J3483	2.75	1.62	7	20,000	F	2⅜	2	1⅞	2⅛
P-P Grids	T-7846°	1:1.14	3J3484	1.65	.97	3	1280	D	2	1⅝	1⅝	2¼
19 or 49												
P-P Plates												
27, 56, etc.	T-6434	1:1.3	3J3497	3.50	2.06	8	4268	B	3	2½	2	2⅞
to	T-5397	1:1.3	3J3498	3.75	2.20	8	4268	F	3	2½	2½	2⅞
P-P Grids	T-6791†	1:1.5	3J3499	3.50	2.06	13	3180	B	3	2½	2	2⅞
56, 45, 47, etc.												

*High peak for power detection. °For use in Class B circuits.
†May carry grid current in Class AB, but should not be used in final Class B stages.

OUTPUT TRANSFORMERS *For Receivers and Amplifiers*

Thor. Type	Typical Application Primary	Typical Application Secondary	Stock No.	List Price	Your Price	Primary D.C.Ohms	Primary M.A.	Mtg. Fig.	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Holes
T-5701	Single or P-P	1 to 29	3J3500	$2.00	$1.18	452	20	E	2⅜	2	2	2¾
R-107	power tubes	ohms	3J3501	2.25	1.32	452	20	C	2½	2½	1⅞	Univ.
T-3399	P-P 45, etc.	6-12 ohms	3J3502	1.75	1.03	600	25	B	2¾	2	2	2⅛
T-6748	P-P 45, etc. Class A Single 53 Class B	4-8-15-500 ohms	3J3504	3.75	2.20	414	25	F	3	2½	2½	2⅞
T-6751	P-P 2A5, etc. Class A P-P 79, etc. Class B	4-8-15-500 ohms	3J3505	3.75	2.20	426	31	F	3	2½	2½	2⅞
T-6594	P-P 50, etc. Class A P-P 2A5 Class AB	4-8-15-500 ohms	3J3506	5.00	2.94	394	31	F	3½	2⅛	3	3⅛
T-6754	P-P 2A3 Class AB	4-8-15-500 ohms	3J3507	5.00	2.94	149	64	F	3½	2⅛	3	3⅛
T-6752	P-P 46 or 59 Class B	4-8-15-500 ohms	3J3508	5.00	2.94	251	50	F	3½	2⅛	3	3⅛
T-6806	P-P 2A5, etc.	10 ohm V.C. or 2000 ohm mag. spk.	3J3509	2.50	1.47	251	25	F	2⅜	2	1⅞	2⅛

FILAMENT TRANSFORMERS *Primary 115 Volts, 60 Cycles*

Thor. Type	Input Watts	Sec. CT V.	Sec. CT A.	Sec. CT V.	Sec. CT A.	Sec. CT V.	Sec. CT A.	Stock No.	List Price	Your Price	Mtg. Fig.	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Holes
T-5061	10	2.5	3.5					3F3510	$1.50	$0.88	F	2¾	2	1¾	2¾
T-5469	15	2.5	5					3F3511	2.25	1.32	B	2¾	2	2	2¾
T-5455	30	2.5	10					3F3512	2.75	1.62	B	3¼	3	2¾	1¾x2¼
T-6399	20	5	3					3F3513	3.50	2.06	D	3¼	2½	3	1¹¹⁄₁₆x2½
T-6185*	20	6.3	2.5	5	3	2.5	3	3F3514	2.00	1.18	E	2¾	2⅜	2	3¼
T-7360	35	6.3	5					3F3515	4.00	2.35	D	3¼	2⅞	3	1¹¹⁄₁₆x2¼
T-5466	40	7.5	2.5	7.5	2.5			3F3516	3.00	1.76	E	3¼	3	2¾	1⅞x2¼
T-5338	40	5	3	2.5	8.75	2.5	3.5	3F3517	4.75	2.79	F	3½	2⅞	3	3¼

*Secondary tapped to give 3 voltages.

FILTER CHOKES *For Radio Receivers*

Thor. Type	Rated D.C. M.A.	Henries Inductance Rated M.A.	Henries Inductance No D.C.	Resist. D.C. Ohms	Stock No.	List Price	Your Price	Mtg. Fig.	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Holes
T-1892	35	22	31.1	405	3J3518	$1.75	$1.03	B	2¼	2⅜	2	3¼
R-105	75	10	13.2	266	3J3519	1.75	1.03	C	2½	2½	1⅞	Univ.
T-4707	75	12	15.2	290	3J3520	1.75	1.03	E	2¼	2⅜	2	3¼
T-6807	85	15	17.2	375	3J3522	2.00	1.18	B	3	2½	2	2⅞
R-196	85	15	17.2	375	3J3523	2.50	1.47	A	3	2½	2½	2½x2
T-5753	110	9.5	13.5	200	3J3524	2.00	1.18	B	3	2½	2	2⅞
T-1700	130	8.75	21	231	3J3525	3.50	2.06	D	3¼	2⅜	3	1¹¹⁄₁₆x2¼

Impedance Chokes To Couple Two Single Audio Stages

Thor. Type	Typical Application	Stock No.	List Price	Your Price	Max D.C.M.A	Henries No D.C	Ohms D.C.	Mtg Fig.	Dimensions H.	Dimensions W.	Dimensions D.	Mtg. Holes
T-2927	For screen	3F3526	$1.50	$0.88	8	1080	6150	B	2	2⅜	1½	2¾
T-6746	For triodes	3F3527	2.00	1.18	5	510	6470	B	2⅜	2	2	2¾

Push-Pull Output Chokes

R-102	P-P 71, 45,	3F3528	$2.00	$1.18	20	320	1560	C	2½	2⅛	1⅞	Univ.

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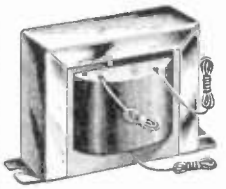
World Radio History

Heavy Duty Oversize Output Transformer

For Tubes in Push-Pull 71A, 45, 50, 2A3, 43, 59



3E3927—
YOUR PRICE ... **49¢**

Will carry 65 mil. plate current. 3000 turn, center tapped primary. 100 turn secondary. Silicon steel core. To determine voice coil impedance to fit this transformer; for push-pull, divide the plate impedance of one tube by 225; for single tube, using entire primary, divide the plate impedance by 900. See tube chart in this catalog for plate impedance (called A.C. plate resistance). Dimensions: Height 2⅜", depth 1⅞". Length overall 3⅝". Slotted mounting hole centers, from 3⅛" to 3⅝".

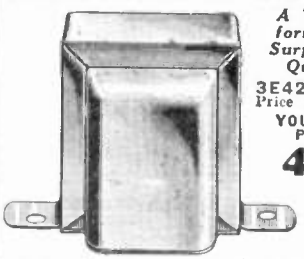
Carter Universal Output Transformers

Correctly Matches All Tubes to any Speaker

3E3930—
YOUR PRICE..... **95¢**

An Essential stock item for every serviceman. Designed with a high impedance primary having a special tapped secondary to permit ratio of turns in winding to match any standard power tube plate impedance not exceeding 14,000 ohms and passing less than 40 milliamperes plate current. (Push-Pull tubes, both drawing less than 40 mils each are satisfactory but parallel power tubes with a total current over 40 mils may not be used with this transformer.) Secondary taps can be selected to match plate impedance to any voice coil having an impedance (practically the same as the D.C. resistance) between 0.11 ohm and 15 ohms. Complete instructions, and table for selecting proper connections for single or push-pull power tubes coupled to any standard dynamic voice coil, included. Do not use with type 50 tube.

Pioneer Shielded Universal Audio



A Transformer of Surpassing Quality

3E4260—List Price $2.50.

YOUR NET PRICE

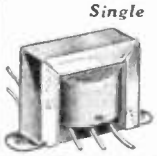
40c

A very special value. Standard 2 to 1 ratio audio. Designed for first stage audio position in Kennedy Model 210, Monroe 6-7, Marvelo 6-7, Knight 6-7 and all sets, either A.C. or D.C. using 201A, 226, 112A or 171A or 245 amplifiers. Husky sized windings and laminations insure fine tone quality. Mounts above panel. Size 3¼x2x2½ inches. Mounting holes 2½ inch centers. Steel shell, cadmium plated.

Flexible color coded leads. Many servicemen using this transformer in small two stage portable P. A. amplifiers because of its audio curve which limits hiss and distinctly favors bass tone reproduction.

Class "B" Audio Driver Transformer

Single 30 to 19 Grids



Couples a type 30 tube to a push-pull 19 tube in Class B. Used extensively in battery receiver construction. Open type cadmium plated rust-proof frame. 6" color coded insulated leads. ⅝"x⅝" core. Overall dimensions: 1½x2x1⅝" high. Mounting hole centers, 2⅛".

3J4261—List Price, $1.65.
YOUR PRICE ..... **59¢**

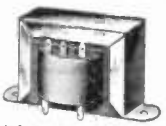
THORDARSON Class "B" Driver Transformer

Single 30 to 19 Grids

Couples a type 30 tube to grids of a type 19 tube in Class B. Black enamel open type vertical frame. Suitable for use in highest quality receivers. Dimensions: 1⅝" x 1⅝" x 2" high. Mounting hole centers 2⅛".

3J4321—Code T7846. List, $1.65.
YOUR PRICE ..... **97¢**

Pioneer Replacement Audio Transformers



New Deal Values—The lowest priced Audio Transformers of satisfactory quality we have ever offered. New method of winding the primary last with high speed special machine makes this price range possible. We have tested these Units in our own Laboratory against Transformers of much greater cost. Audio range of Pioneer transformers from 75 to 90 cycles according to size to a high range of 3800 cycles, within 4 db.

Midget Size: 1¼x1¾x1⅝" high.

Stock No.	Type*	Ratio	Your Price
3E4100	S. A.	1:2	59c
3E4101	S. A.	1:3	
3E4102	P-P	1:2	
3E4103	P-P	1:3	

Medium Size: 1⅜x1¾x1⅝" high.

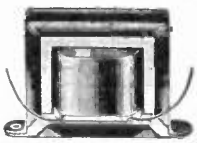
Stock No.	Type*	Ratio	Your Price
3E4105	S. A.	1:2	69c
3E4106	S. A.	1:3	
3E4107	P-P	1:2	
3E4108	P-P	1:3	

Standard Size: 1⅜x2¼x2" high.

Stock No.	Type*	Ratio	Your Price
3E4110	S. A.	1:2	79c
3E4111	S. A.	1:3	
3E4112	P-P	1:2	
3E4113	P-P	1:3	

(*) S.A., Straight Audio, P-P, Push-Pull

30 Henry Filter Chokes



Layer wound and layer insulated coils. Silicon steel core. Cadmium plated rust-proof frames. 6 inch insulated leads.

3F3585—30 Henries, 50 M. A. D. C. Resistance 400 ohms. Dimensions: Core ¾"x ¾". Height 2", Depth 1⅝", Length overall 3⅛". Mounting hole centers 2". List Price, $1.40.
YOUR PRICE ..... **59¢**

3F3586—30 Henries, 75 M. A. D. C. Resistance 200 ohms. Dimensions: Core 1"x1". Height 2⅛", Depth 1⅝", Length overall 3⅛". Mounting hole centers 3⅛". List Price, $1.60.
YOUR PRICE ..... **72¢**

3F3587—30 Henries, 100 M. A. D. C. Resistance 200 ohms. Dimensions: Core 1"x1". Height 2⅛", Depth 2⅛", Length overall 4". Mounting hole centers 3⅛". List Price, $2.00.
YOUR PRICE ..... **85¢**

Replacement Chokes

For A.C., D.C. Receivers

Open type, cadmium plated, rust-proof frames. Silicon steel core. 6 inch insulated leads. A size for practically every replacement. Highest quality chokes fully guaranteed.

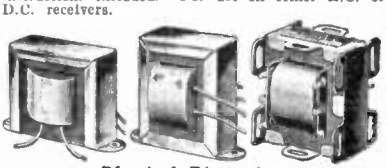
Core Size ⅝"x⅝". Mtg. Hole Centers 2⅛". Dimensions: 1½"x2"x1⅝" High.

15 Henries at 40 M. A.

Stock Number	D. C. Resist.	Stock Number	D. C. Resist.	List Price $1.00
3F3590	200	3F3594	400	Your Price
3J3640	250	3J3642	450	42c
3F3592	300	3F3596	500	Ea.
3J3641	350	3J3643	550	

Universal Replacement Audios and Output Transformers

Three different mountings. All types have universal electrical characteristics. High quality transformers suitable for use in the finest receivers. Bright cadmium rust-proof finish. Diagrams and instructions included. For use on either A.C. or D.C. receivers.



Physical Dimensions

Horizontal Frame—Overall 3⅛" wide, 1⅜" deep, 2" high. Mtg. Centers 2⅛".
Vertical Frame—Overall 2⅞" wide, 1½" deep, 2⅛" high. Mtg. Centers 2⅜".
Universal Bracket—Overall 2" wide, 2⅛" deep, 2⅛" high.

Straight Audios

Ratio 3:1. Feeds from any type of general purpose tube into a stage of single audio.
3F4193—Horizontal Frame.
3F4194—Vertical Frame.
3F4190—Universal Bracket.
YOUR PRICE ..... **76¢**

Push-Pull Audio Inputs

Overall ratio 3:1. Feeds from any general purpose tube either in single or push-pull into a stage of single or push-pull audio.
3F4195—Horizontal Frame.
3F4196—Vertical Frame.
3F4192—Universal Bracket.
YOUR PRICE ..... **81¢**

Universal Output Transformers

Couples all combinations of power tubes, either single or push-pull to all dynamic or magnetic speakers. For voice coil impedances 1 to 30 ohms.
3F4197—Horizontal Frame.
3F4198—Vertical Frame.
3F4191—Universal Bracket.
YOUR PRICE ..... **76¢**

Output Transformers

A type and size to fit every dynamic speaker requirement. Output transformers of these specifications and characteristics are standard equipment on thousands of speakers. The two sizes listed fit any standard make of speaker. Match practically any dynamic speaker voice coil.

Medium Size: 1⅜"x2"x1⅝" high.
Core Size: ⅝". M.C. 2⅜".

For Single Tubes		For Push-Pull Tubes	
Stock Number	To Feed From	Stock Number	To Feed From
3F4116	12A5, 31, 43, 45, 53, 71A.	3F4131	12A5, 31, 43, 45, 53, 71A.
3F4117	2A5, 33, 41, 42, 47, 79, 89.	3F4132	33, 41, 42, 47, 79, 89, 2A5.
3F4118	10, 12A, 19, 26, 38.	3F4133	10, 12A, 19, 26, 38.
3F4115	48, 59.	3F4130	48, 59.
Your Price	**44c**	Your Price	**49c**

Large Size: 1⅜"x2¼"x2" high.
Core Size: ¾". M.C. 2⅞".

For Single Tubes		For Push-Pull Tubes	
Stock Number	To Feed From	Stock Number	To Feed From
3F4122	12A5, 2B6, 31, 43, 45, 50, 53, 71A.	3F4136	12A5, 2B6, 31, 43, 45, 50, 53, 71A.
3F4123	2A5, 6A4, 33, 41, 42, 46, 47, 79, 89.	3F4137	2A5, 6A4, 33, 41, 42, 46, 47, 79, 89.
3F4124	10, 12A, 19, 26, 38.	3F4138	10, 12A, 19, 26, 38.
3F4121	48, 59, 2A3.	3F4135	48, 59, 2A3.
Your Price	**65c**	Your Price	**69c**

SPECIAL VALUE

Output Transformers

Black enameled channel frame. Coded insulated 9" leads. Core size ½"x½". Size: Ht. 1⅝", Wd. 2⅛", Depth 1⅜". Mtg. Cent. 2⅛".

For Single Tubes

3J4257—Types single 42, 47, 2A5, etc. Impedance 7000 ohms.

For Push Pull Tubes

3J4258—Type 42, 47, 2A5, etc. Impedance 14,000 ohms.
YOUR PRICE, Each Any Type ..... **39¢**

Special Value Audio

3J4259—3:1 Ratio. Semi-shielded. Black enameled channel frame. Core size, ⅝"x⅝". Ht. 1⅝", Wd. 2⅛", Depth 1½". Mtg. Cent. ⅞".
YOUR PRICE **44c**

Filament Transformers

3J4227—
YOUR PRICE .... **69¢**

110 V. primary. Secondary 2½ V., 5¼ amp. Mtg. centers 2⅛", 2⅜" high, 1⅞" wide.

2½ Volt—12 Amp. Filament Transformer

Same as above except that it delivers 12 amps. Center tapped. 30 watts.
3E4228—List, $2.75.
YOUR PRICE ..... **79¢**

6.3 Volt Filament Transformer

Size and appearance, identical to above transformer. Delivers 6.3 volts at 3 amps. For use with the new 6.3 volt tubes on 115 volt A. C. Can also be used on 7.5 volt tubes. 20 watts.
3E4229—List, $2.25.
YOUR PRICE ..... **97¢**

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Approved Quality!

POPULAR EXACT-DUPLICATE REPLACEMENT POWER TRANSFORMERS

Bargain Prices!

Apex Gloritone

Model 26-A
Shpg. wt., 4 lbs.
3F8681—List, $5.50.
YOUR SPECIAL PRICE.. **$2.20**

Model 26-P
Shpg. wt., 8 lbs.
3F8683—List, $5.00.
YOUR PRICE **$2.00**

Model 27
3F8682—List, $5.50.
YOUR PRICE **$2.25**

Model 32
3F8674—List, $7.50.
YOUR PRICE **$2.65**

Atwater-Kent 37, 38

Shpg. wt., 6 lbs.
3F8687—List, $5.00.
YOUR SPECIAL PRICE **$2.10**

Models 55, 55C
Late Model
Shpg. wt., 9 lbs. List, $9.75.
3F8688—Late.
Your Price, Ea... **$2.39**

L Series, H Series
3F8690—List, $6.15.
YOUR PRICE **$2.95**

Bosch

Model 58
3F8704—List, $7.00.
YOUR PRICE **$3.25**

Model 48
3F8703—List, $7.00.
YOUR PRICE **$3.10**

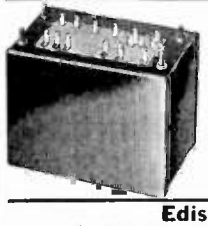
Model 60
3F8705—List, $8.00.
YOUR PRICE **$3.60**

Brunswick

Models 3NC-8, 5NC-8
3F8710—List, $6.75.
YOUR PRICE **$2.55**

Models 2KRO, 3KRO, 3KR6, 5KR, 5KRRO, 5KR6
3F8712—List, $6.00.
YOUR PRICE **$1.72**

Columbia



Model SG-8
Shpg. wt., 7 lbs.
3F8715—
YOUR PRICE
$3.35

Edison

Models R1, R2, C2, (Plate) Jr, Jc, (Chassis)
3F8716—List, $5.25.
YOUR PRICE **$2.50**

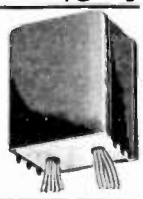
Eveready

40 and 50 Series
Shpg. wt., 8 lbs.
3F8721—List, $6.75.
YOUR PRICE **$2.69**

Fada

Model 45, KU
3F8725—List Price, $7.50.
YOUR PRICE **$3.67**

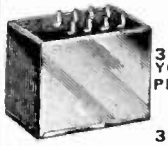
General Electric



Models H-31, 51, 71
3F8729—List, $7.00.
YOUR PRICE **$2.95**

Model T41
3F8730—List, $6.75.
YOUR PRICE **$2.70**

Majestic



70, 7P6 (Plate)
3F8748—List, $5.40.
YOUR PRICE **$2.06**

70, 7P6 (Filament)
3F8749—List, $4.95.
YOUR PRICE **$2.06**

Models 151, 153, 156, (Unmounted 15 Chassis); Model 154 (Unmounted 15B Chassis)
3F8752—List, $4.50.
YOUR PRICE **$1.76**

MAJESTIC Pilot Light Dimmer

For Models 300, 300A and 320

An exact duplicate of the original Majestic Part No. 7785, used in the above model receivers. Used as a resonance indicator. No changes necessary to install, fits chassis exactly. Shpg. wt., 2 lbs.

3J8759—Complete Unit.
YOUR PRICE ..... **85¢**

3F8760—Plate Coil Only.
YOUR PRICE ..... **48¢**

Special Value

Power Transformers for PHILCO

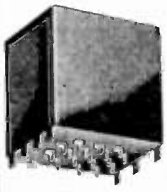
YOUR PRICE—ANY MODEL LISTED BELOW—EACH

$2.35

For Philco Model Number	Radolek Stock No.	Corresponds to Philco Part No.
14 (121-2), 18 (124), 118	3F8761	32-7111
14, 91 (121-3)	3F8762	6554
14, 91 (221-3)	3F8763	6804
15	3F8764	6672
16 (122), 17 (122)	3F8765	32-7058
16 (121), 17 (121)	3F8766	32-7080
16 (Code 125)	3F8767	32-7291
16 (Code 126)	3F8768	32-7283
19, 60, 66, 89	3F8770	8046
19 (128)	3F8771	32-7170
20, 20-A	3F8772	4234
21	3F8773	4813
29	3F8774	32-7229
32	3F8769	32-7218
43 (Sgl. Spkr.)	3F8775	7074
43 (Twin Spkr.)	3F8776	6985
44	3F8778	32-7137
45	3F8777	32-7226
50, 50A, 51, 51A, 52, 551	3J8780	5266
57, 58, 59	3J8781	32-7064
65	3F8779	3516
70, 70A, 270, 370, 470, 470A, 570	3F3895	5117
71 (Sgl. Spkr.)	3F3896	6454
71 (Twin Spkr.)	3F3897	6457
76, 77	3F3898	3868
80, 81	3F3899	7421
84	3F3900	32-7180
86	3F3901	3271
87	3F3902	3400
90, 90A (2 type 45's)	3F3903	4938
90, 90A, 490, (1 type 47) Above Serial Number 237,001	3F3904	5362
90 (2 type 47's) Serial Number 32,001 to B35,000 and above B53,100	3F3905	6072
95, 96, 296	3F3906	3752
111, 111A, 112, 112A, 212 (2 type 45's)	3F3907	4446
112, 112A (2 type 47's)	3F3908	5594
144	3F3909	32-7234
200, 201	3F3910	32-7258
490	3F3904	5362
511	3F3912	3073

For Genuine Philco Replacement Power Transformers See Pages 134 to 139.

R. C. A. Victor and Radiola



R. C. A. Victor Models:

RE-32, R-52, RE-45, RE-75, E-35, E-135, E-152, RE-154, RE-156
3F8784—List, $6.00.
YOUR PRICE **$2.65**

Radiola

44, 46, 47
3F8733—List, $6.50.
YOUR PRICE **$2.59**

Radiola

17, 18, 33, 50, 51

Victor

7-11, 8-25, 7-26, 17-8
3F8712—List, $6.00.
YOUR PRICE **$1.72**

Victor

R-48, R-42, R15, R14, RE-17
3F8730—List, $6.75.
YOUR PRICE **$2.70**

Victor

R-64, R-67, 9-54, 9-18X
3F8782—List, $15.00.
YOUR PRICE **$6.95**

Victor

R-80, R-82, R-86
3F8729—List, $7.00.
YOUR PRICE **$2.95**

Victor

60, 62
3F8710—List, $6.75.
YOUR PRICE **$2.55**

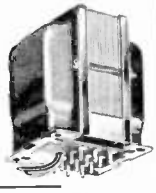
Victor

66
3F8734—List, $6.50.
YOUR PRICE **$2.94**

R. C. A. Superette

3F8783—List, $5.50.
YOUR PRICE **$2.49**

Sparton



Model 591, 593, 931
3F8792—List, $7.00.
YOUR PRICE **$3.15**

Sparton 301

3F8797—List, $12.00.
YOUR PRICE **$3.95**

Sparton 930

Early and Late

Specifications: 100-130 Volts-60 Cycles; 625 Volts C.T. @ 60 M.A.; 5 Volts C.T. @ 2 Amps.; 3 Volts @ Amps.; *7½ Volts C.T. @ Amps.

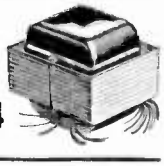
**The 7½ volt winding is for early models only. Use a 0.4 ohm 10 watt resistor on each leg of the 7½ volt winding for Sparton Sets employing 5 volt power tubes.*

3F8795—List, $6.00.
YOUR PRICE **$1.95**

Steinite

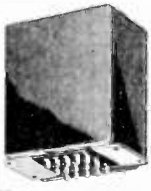
Models 40, 50, 70, 80, 95, 102
3F8804—List, $6.75.
YOUR PRICE **$3.30**

Stewart-Warner



Model 102A
3F8810—
List, $6.80.
YOUR PRICE... **$2.94**

Zenith



52, 53, 54, 55, 57, 60, 61, 62, 64, 67, 95, 602, 513, 622, 642, 672, 522, 532, 542
Shpg. wt., 11 lbs.
3F8822—List, $7.25.
YOUR PRICE **$3.29**

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World Radio History

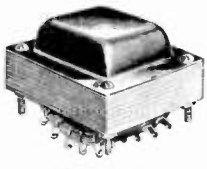
Universal Replacement Transformers

A Style and Capacity for every Receiver

Replace Originals. These Transformers are intended for use where original replacements are priced higher than you are willing to pay or are not available. From these types you can select the proper model for practically any Radio Set.

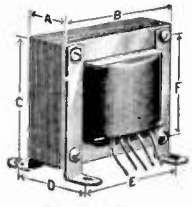
Important Information. The diagrams below give the exact voltage and current data. Any number or combination of tubes may be used provided the specified ratings are not exceeded.
For 105-120 Volt 50-60 Cycle A.C.

Finest Quality. These Transformers are first quality, new stock. Correctly engineered, carefully made by skilled workmen in a fully equipped factory. We guarantee that they will equal or surpass any on the market in their price range.



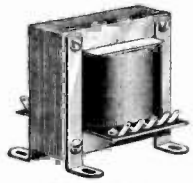
TYPE A

Solder lug connections on fibre strip. Mounting screw at each corner for flat mounting. Black enameled steel shield cover.



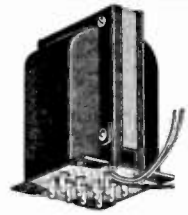
TYPE B

Unshielded type with 12" leads. Brackets supplied for horizontal mounting. Slotted mounting holes. Mounting centers specified below.



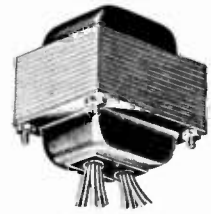
TYPE C

Unshielded type with solder lug connections mounted on fibre strips. Otherwise identical with type B. Slotted mounting holes.



TYPE D

Shielded type. Black enameled steel shields enclose windings. Solder lugs on bakelite plate at base. 12" primary leads. Approved.



TYPE E

Shielded Type. Black enameled steel shield covers at top and bottom. 6" insulated leads. Approved by the Underwriters Laboratories.

3F4009— YOUR PRICE .... 89¢
Size: 2½"x3"x3¼", high
Mtg. Centers 2"x2½".
Shpg. wt., 2¼ lbs.

Highest Quality. Conservatively rated. These transformers are made by a recognized leading manufacturer and are fully guaranteed.

VOLTS 5 — 2.5 — 650
AMPS 3 — 5.25 — 45MA
For 4 Tubes

Single and Double Filament Windings

Double Filament Winding transformers listed can be used for installations requiring only a single filament winding. It is only necessary to connect the 2.5 volt windings in parallel. Instructions for connecting the filament windings in parallel are included with each transformer.

3F4070— YOUR PRICE .... 97¢
Size: 2½"x3"x3¼", high
Mtg. Centers 2"x2½".
Shpg. wt., 2¼ lbs.

3F4008— YOUR PRICE $1.12
Size: 2⅝"x3¼"x3¼" high
Mtg. Centers 2⅛"x2⅛".
Shpg. wt., 2¾ lbs.

3F4023—"B"—Leads.
3F4038—"C"—Lugs.
YOUR PRICE Each $1.25
Size: 3¼"x3¼"x3½" high
Mtg. Centers 2⅛"x2".
Shpg. wt., 3 lbs.

VOLTS 5 — 2.5 — 2.5 — 650
AMPS 3 — 1.75 — 5 — 40MA.
For 5 Tubes

3J4071— YOUR PRICE $1.22
Size: 2⅝"x3¼"x3¼" high
Mtg. Centers 2⅛"x2⅛".
Shpg. wt., 2¾ lbs.

3F4007— YOUR PRICE $1.35
Size: 2⅝"x3¼"x3⅜" high
Mtg. Centers 2⅛"x2⅛".
Shpg. wt., 3⅝ lbs.

3F4022—"B"—Leads.
3F4037—"C"—Lugs.
YOUR PRICE Each $1.37
Size: 3¼"x3¼"x3½" high
Mtg. Centers 2⅛"x2".
Shpg. wt., 5 lbs.

VOLTS 5 — 2.5 — 2.5 — 650
AMPS 3 — 1.75 — 5.25 — 50MA.
For 5-6 Tubes

3F4052— YOUR PRICE $1.98
Size: 3½"x3½"x4½" high
Mtg. Centers 2⅞"x2".
Shpg. wt., 4½ lbs.

3J4072— YOUR PRICE $1.39
Size: 2⅝"x3¼"x3⅜" high
Mtg. Centers 2⅛"x2⅛".
Shpg. wt., 3¾ lbs.

3J4006— YOUR PRICE $1.55
Size: 3¼"x3¾"x3⅜" high
Mtg. Centers 2½"x3⅛".
Shpg. wt., 5 lbs.

3F4021—"B"—Leads.
3F4036—"C"—Lugs.
YOUR PRICE Each $1.45
Size: 4¼"x3⅝"x3⅛" high
Mtg. Centers 3⅛"x2¼".
Shpg. wt., 5 lbs.

VOLTS 5 — 2.5 — 2.5 — 700
AMPS 3 — 3 — 7 — 70MA
For 6-7 Tubes

3F4051— YOUR PRICE $2.25
Size: 3½"x3½"x4½" high
Mtg. Centers 2⅞"x2⅛".
Shpg. wt., 4½ lbs.

3J4073— YOUR PRICE $1.58
Size: 3¼"x3¾"x3⅜" high
Mtg. Centers 2½"x3⅛".
Shpg. wt., 5 lbs.

3J4004— YOUR PRICE $1.74
Size: 3⅝"x4¼"x3½" high
Mtg. Centers 2⅞"x3⅛".
Shpg. wt., 5¾ lbs.

3F4019—"B"—Leads.
3F4034—"C"—Lugs.
YOUR PRICE Each $1.89
Size: 4¼"x3¾"x3⅛" high
Mtg. Centers 3⅛"x2¼".
Shpg. wt., 5 lbs.

VOLTS 5 — 2.5 — 2.5 — 700
AMPS 3 — 3 — 10.5 — 90MA.
For 8-9 Tubes

3J4049— YOUR PRICE $2.39
Size: 3¾"x3½"x4½" high
Mtg. Centers 2⅞"x2⅞".
Shpg. wt., 4½ lbs.

3J4077— YOUR PRICE $1.95
Size: 3⅝"x4¼"x3½" high
Mtg. Centers 2⅞"x3⅛".
Shpg. wt., 5¾ lbs.

3J4002— YOUR PRICE $2.29
Size: 3¼"x4½"x3¼" high
Mtg. Centers 3"x3¾".
Shpg. wt., 6 lbs.

3F4017—"B"—Leads.
3F4032—"C"—Lugs.
YOUR PRICE Each $2.45
Size: 4½"x4"x4⅛" high
Mtg. Centers 3¾"x2¼".
Shpg. wt., 7 lbs.

VOLTS 5 — 2.5 — 2.5 — 700
AMPS 3 — 3 — 15.25 — 110MA.
For 10-12 Tubes

3F4047— YOUR PRICE $2.75
Size: 3¾"x3½"x4½" high
Mtg. Centers 2⅞"x2⅞".
Shpg. wt., 4¾ lbs.

3F4079— YOUR PRICE $2.52
Size: 3¼"x4½"x3¼" high
Mtg. Centers 3"x3¾".
Shpg. wt., 6 lbs.

3J4010— YOUR PRICE $1.84
Size: 3⅛"x3¾"x3⅜" high
Mtg. Centers 2½"x3⅛".
Shpg. wt., 5 lbs.

3F4025—"B"—Leads.
3F4040—"C"—Lugs.
YOUR PRICE Each $1.80
Size: 3¾"x3¼"x3⅛" high
Mtg. Centers 3⅛"x2¼".
Shpg. wt., 5 lbs.

Special for Type 226
VOLTS 5 — 6.3 — 6.3 — 7.5 — 5.0 — 2.5 — VOLTS
AMPS 0.9 — 1.5 — 1.2 — 2.5 — 2.5 — AMPS
For 6-10 Tubes

3J4043— YOUR PRICE $2.16
Size: 3½"x3½"x4½" high
Mtg. Centers 2⅞"x2⅞".
Shpg. wt., 5 lbs.

3J4074— YOUR PRICE $1.95
Size: 3⅛"x3¾"x3¾" high
Mtg. Centers 2½"x3⅛".
Shpg. wt., 5 lbs.

For 6.3 Volt Tubes

3J4012— YOUR PRICE $1.22
Size: 2½"x3"x3¼" high.
Mtg. Centers 2"x2½".
Shpg. wt., 2¾ lbs.

3F4027—"B"—Leads.
3F4031—"C"—Lugs.
YOUR PRICE Each $1.55
Size: 3"x3¼"x2½" high
Mtg. Centers 2½"x2".
Shpg. wt., 3 lbs.

VOLTS 5 — 6.3 — 650
AMPS 3 — 1.7 — 50MA.
For 4-5 Tubes

All transformers are conservatively rated and will operate efficiently without overheating-55 degree centigrade at 50 cycles.

3F4080— YOUR PRICE $1.35
Size: 2½"x3"x3¼", high
Mtg. Centers 2"x2½".
Shpg. wt., 2¾ lbs.

3F4013— YOUR PRICE $1.79
Size: 2⅝"x3⅜"x3⅜" high
Mtg. Centers 2⅛"x2½".
Shpg. wt., 5 lbs.

3F4028—"B"—Leads.
3F4042—"C"—Lugs.
YOUR PRICE Each $2.08
Size: 3½"x3¾"x2½" high
Mtg. Centers 2½"x2⅛".
Shpg. wt., 5 lbs.

VOLTS 5 — 6.3 — 650
AMPS 3 — 2.8 — 70MA
For 6-7 Tubes

3F4060— YOUR PRICE $2.20
Size: 3¾"x3"x3⅜" high
Mtg. Centers 2⅛"x2⅝".
Shpg. wt., 4½ lbs.

3F4081— YOUR PRICE $1.89
Size: 2⅝"x3⅜"x3¾" high
Mtg. Centers 2⅛"x2½".
Shpg. wt., 5 lbs.

3F4014— YOUR PRICE $2.16
Size: 3⅛"x3¾"x3½" high
Mtg. Centers 2½"x3⅛".
Shpg. wt., 5¾ lbs.

3F4029—"B"—Leads.
3F4045—"C"—Lugs.
YOUR PRICE Each $2.36
Size: 3¾"x3½"x3¼" high
Mtg. Centers 3⅛"x2⅛".
Shpg. wt., 5 lbs.

VOLTS 5 — 6.3 — 700
AMPS 3 — 3.5 — 85MA.
For 8-9 Tubes

3F4061— YOUR PRICE $2.56
Size: 3½"x3⅜"x4¼" high
Mtg. Centers 2⅞"x2⅛".
Shpg. wt., 4½ lbs.

3F4082— YOUR PRICE $2.16
Size: 3⅛"x3¾"x3½" high
Mtg. Centers 2½"x3⅛".
Shpg. wt., 5¾ lbs.

3F4015— YOUR PRICE $2.49
Size: 3⅝"x4¼"x3½" high
Mtg. Centers 2⅞"x3⅛".
Shpg. wt., 6 lbs.

3F4030—"B"—Leads.
3F4046—"C"—Lugs.
YOUR PRICE Each $2.76
Size: 4¼"x3½"x3⅝" high
Mtg. Centers 3⅛"x2¼".
Shpg. wt., 7 lbs.

VOLTS 5 — 6.3 — 700
AMPS 3 — 4.5 — 100MA.
For 10-12 Tubes

3F4062— YOUR PRICE $2.96
Size: 3½"x3¾"x5¼" high
Mtg. Centers 2⅞"x2⅛".
Shpg. wt., 4¾ lbs.

3F4083— YOUR PRICE $2.56
Size: 3⅝"x4¼"x3½" high
Mtg. Centers 2⅞"x3⅛".
Shpg. wt., 6 lbs.

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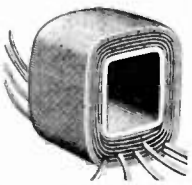
World Radio History

Stancor Exact Duplicate Transformer Coils



Supplied for transformers that are impracticable to duplicate because of the difficulty encountered in matching the original mechanical specifications. Servicemen can now renew the original performance by replacing the defective coils with Stancor Exact Duplicate transformer coils. It is only necessary to remove the defective coil from the old transformer and install the new coil. Complete diagrams clearly showing the hook-up are supplied with each coil.

Exact Duplicate Coils Only For 105-115 Volt; 50-60 Cycle Power Transformers

Radio Model	Stock No.	Stancor Type	List Price	Your Price
A. C. DAYTON				
Navigator	3J3532	W-400	$3.00	$1.76
A.C.-63	3J3533	W-401	3.00	1.76
A.C.-65	3J3534	W-402	3.00	1.76
ALL-AMERICAN MOHAWK SA-130	3J3535	W-404	3.25	1.91
70, 73, 75	3J3685	W-403	2.50	1.47
BALKEIT C	3J3622	W-409	3.00	1.76
A-3, A-5, A-7	3J3536	W-408	3.00	1.76
BOSCH—48	3J3540	W-240	3.00	1.76
58, 60	3J3541	W-241	3.00	1.76
BUCKINGHAM				
80, 80-B	3J3537	W-405	2.25	1.32
15, 22AC, 32, 42AC				
17, 24, 25AC	3J3538	W-406	3.00	1.76
3KR8	3J3539	W-407	3.00	1.76
CAPEHART—100	3J3542	W-243	3.20	1.88
CROSLEY—124	3J3543	W-244	2.25	1.32
130	3J3544	W-245	2.50	1.47
158	3J3545	W-246	1.75	1.03
ECHOPHONE—				
S-4	3J3546	W-247	2.60	1.53
5	3J3582	W-410	2.00	1.10
10, 15, 20	3J3583	W-411	2.50	1.47
D-4	3J3584	W-412	2.25	1.32
S-3	3J3588	W-413	2.10	1.23
FADA—16, 17, 32	3J3547	W-248	2.75	1.62
20	3J3548	W-249	2.75	1.62
25	3J3549	W-250	2.85	1.68
30	3J3550	W-251	2.75	1.62
35	3J3551	W-252	2.85	1.68
35B	3J3552	W-253	3.00	1.76
42	3J3553	W-254	3.00	1.76
43	3J3554	W-255	3.00	1.76
45 (KU)	3J3555	W-256	3.00	1.79
51 (KO) 53, 57, (KOC)	3J3556	W-257	2.90	1.70
75, 77	3J3557	W-258	2.75	1.62
Supply Unit E-420 (#1731) Small coil	3J3558	W-259	2.75	1.62
Supply Unit E-420 (#1746) Large coil	3J3559	W-260	$3.20	$1.88
HOWARD—Triple Screen Grid (#1245)	3J3560	W-261	2.85	1.68
Green Diamond (45'8)	3J3561	W-262	3.00	1.76
Green Diamond (71'A'8)	3J3562	W-263	2.75	1.62
S.G.A. #1069	3J3563	W-243	3.20	1.88
JACKSON BELL 62	3J3564	W-264	2.50	1.47
KENNEDY—32	3J3589	W-414	3.00	1.76
42	3J3591	W-415	2.00	1.10
KOLSTER—K-44 (#5412)	3J3565	W-265	3.50	2.06
K-45	3J3593	W-416	3.50	2.06
K-60	3J3595	W-417	2.50	1.47
KOLSTER-COLUMBIA C-6, C-7, 900, 901	3J3597	W-418	3.00	1.76
MAJESTIC—211 Whitehall 214 Stratford 215 Croydon (210 chassis)	3J3566	W-266	3.00	1.76
Chassis 55	3J3598	W-419	2.25	1.32
300	3J3599	W-420	3.00	1.76
44, 49, 194 (chassis 440)	3J3567	W-267	1.25	.73
460, 461, 463 (chassis 460)	3J3568	W-268	2.00	1.18
Treasure Chest	3J3569	W-269	1.60	.94
PEERLESS COURIER				
65 (Keyelectron)	3J3570	W-270	3.25	1.91
65 (Dynamic)	3J3571	W-271	2.75	1.62
RCA RADIOLA VICTOR 41	3J3686	W-421	1.80	1.06
SILVERTONE 1430	3J3572	W-272	2.65	1.56
STEINITE—70 80, 95 (chassis 10)	3J3687	W-422	3.00	1.76
203, 600, 605, 630, 635, 642, 643 (chassis 22)	3J3690	W-423	2.75	1.62
261, 262	3J3691	W-424	2.25	1.32
700, 705, 706, 725, 642-B (chassis 26)	3J3692	W-425	2.50	1.47
STEWART-WARNER 102A, 202A	3J3573	W-273	2.50	1.47
U.S. RADIO & TEL. CORP. 20 (Gloriette)	3J3693	W-426	2.25	1.32
27	3J3694	W-427	3.00	1.76
31	3J3695	W-428	2.00	1.18
41	3J3696	W-429	2.50	1.47

Shielded Audio Push-Pull Input Transformer

3F4098—List, $3.75. YOUR PRICE **$1.95**

Ratio 3:1. For coupling any screen grid tube to any output tube in either single or push-pull. Especially desirable for coupling a type 24 tube to either single or push-pull 45. Core size 1"x1". Height 3", depth 2⅝", length 2¾". Mounting hole centers 2"x2⅜".

Interstage Straight Audio Transformer

3F4335—List, $2.00. YOUR PRICE ..... **95¢**

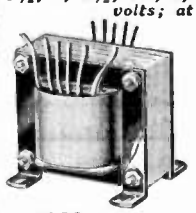
Intended for use in replacing standard Manufacturer's type Audios in hundreds of Sets. Exact replacement for first and some second stage positions in Monroe, Marvelo, Knight, Kennedy, Bush-Lane, and others. High-grade silicon steel core. Black japanned case. Sub-panel lug connections. Safe plate current carrying capacity. 10 MA. A special application of this Transformer is for use as a phono-input Transformer when used with a high impedance Pickup. Ratio 1:3. Size 2"x 2¾"x2¾" high. Mtg. hole centers 2⅜".

Certified Performance

Buy all of your transformer requirements from Radolek with confidence. **Radolek offers only the finest quality thoroughly tested transformers regardless of the low prices specified.**

Tube Tester Filament Transformer

1½, 2, 2½, 3.3, 5, 6.3, 7½, 15, 25, 30 volts; at 2 amps.



3E3929— YOUR PRICE ... **$1.19**

For construction of tube testers or replacement in standard testers. Supplies the correct voltages for all types of tubes including the oldest types and all those just recently announced. Flexible 8" leads are color coded and a diagram is included which gives all the connections. Dimensions: 2¾" high, 3" wide, 2¾" deep. Mounting hole centers 2⅛x1⅛". Pri. 115 V. 50/60 cycles.

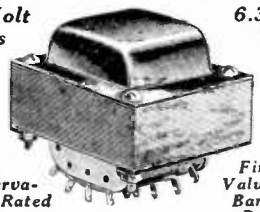
Tube Tester Plate and Filament Transformer

3F4097—List, $3.50. YOUR PRICE **$1.86**

In addition to the conventional filament voltages, this transformer has a plate winding, the voltage of which may be impressed directly to the plate of the tube under test. If a D.C. voltage is desired on the tube under test, an 84 type tube may be used as a half-wave rectifier. All leads are color coded and a diagram of connections is included. **Primary 115 volts, 50-60 cycles. Filament secondaries: 1.5, 2.0, 2.5, 3.3, 5.0, 6.3, 7.5, 15, 25 or 30 volts at 2 amperes. Plate secondary 250 volts AC. at 40 MA. Dimensions: 2⅛" high, 4⅛" wide, 2¼" deep. Mounting Centers 3⅞".**

Special Value Power Transformers

For 2.5 Volt Tubes — *Guaranteed Quality* — *For 6.3 Volt Tubes*



Conservatively Rated — *Finest Values at Bargain Prices*

All primaries are for 105-115 Volt, 50-60 cycle A.C.

For 2.5 Volt Tubes

4-Tube

3J4069— YOUR PRICE, Each..... **74¢**

Plate	650 Volts,	40 MA.
Fil. #1	2½ Volts, C.T.	3.75 Amps.
Fil. #2	5 Volts,	2 Amps.
Size:	2½"x3"x3¼" high	
Mtg. Centers:	2"x2½"	

5-Tube

3F4088— YOUR PRICE, Each..... **87¢**

Plate	650 Volts,	40 MA.
Fil. #1	2½ Volts, C.T.	4.5 Amps.
Fil. #2	5 Volts,	2 Amps.
Size:	2½"x3"x3⅜"	
Mtg. Centers:	2"x2½"	

6-Tube

3F4089— YOUR PRICE, Each..... **$1.34**

Plate	700 Volts,	50 MA.
Fil. #1	2½ Volts, C.T.	7 Amps.
Fil. #2	5 Volts,	3 Amps.
Size:	2⅞"x3¾"x3½" high	
Mtg. Centers:	2¾"x2⅞"	

For New 6.3 Volt Tubes

4-Tube

3F4093— YOUR PRICE, Each..... **88¢**

Plate	650 Volts,	40 MA.
Fil. #1	6.3 Volts, C.T.	1.6 Amps.
Fil. #2	5 Volts,	2 Amps.
Size:	2½"x3"x3½"	
Mtg. Centers:	2"x2½"	

5-Tube

3J4094— YOUR PRICE, Each..... **97¢**

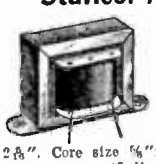
Plate	650 Volts,	40 MA.
Fil. #1	6.3 Volts,	2 Amps.
Fil. #2	5 Volts,	2 Amps.
Size:	2½"x3"x3⅜"	
Mtg. Centers:	2"x2½"	

6-Tube

3F4095— YOUR PRICE, Each..... **$1.45**

Plate	675 Volts,	70 MA.
Fil. #1	6.3 Volts,	2.6 Amps.
Fil. #2	5 Volts,	3 Amps.
Size:	3½"x3¾"x3½"	
Mtg. Centers:	2½"x3⅛"	

Stancor AC, DC Chokes



High quality chokes for replacements in AC, DC receivers. A size for practically every requirement. Cadmium plated channel frame mountings—6" insulated leads. Overall dimensions: 1½" x 2⅜" x 1⅝" high. Mounting centers 2⅛". Core size ⅝"x⅝".

15 Henries at 40 MA.

Stock Number	D.C. Resistance	Stancor Number	
3F3574	200	C-1080	List Price
3F3575	250	C-1325	$1.00
3F3576	300	C-1277	YOUR PRICE
3F3577	350	C-1227	
3F3578	400	C-1279	
3F3579	450	C-1333	**59c**
3F3580	500	C-1215	
3F3581	550	C-1362	Each

Universal Output Transformer

3F4092— YOUR PRICE ..... **69¢**

Equipped with a combination of taps making it possible to feed from any single or push-pull output stage to the voice coil of any dynamic speaker. Matches any voice coil from 3 to 15 ohms. Instructions for all tube connections included. Size 2¼" high, 2½" deep, 3" wide. Mounting Centers 2⅜".

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World Radio History

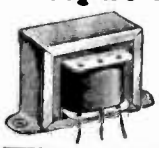
Exact Duplicate AUDIOS

Replacements for All Popular Sets

Made exactly like the original transformers. Mounting holes, dimensions, lugs, voltages and color of leads exactly duplicate the originals. In many instances the insulation and the safety factor have been increased wherever the originals were not entirely satisfactory. Many additional replacements have been added to our listing.

RADIO MODEL	Stock No.	Part	Your Price
AIRLINE—62-010, 62-020	3F3954	P.P. Inp.	$1.82
BRUNSWICK—10	3F3990	Output	.85
14, 21, 31, S-31	3F3950	1st Audio	2.65
14, 21, 31, S-14, S-21	3F3951	P.P. Inp.	2.44
S-31, S-81, S-82	3F3951	P.P. Inp.	2.44
14, 21, 31, S-14, S-21	3F3952	P.P. Out.	2.18
S-31, S-81, S-82	3F3952	P.P. Out.	2.18
15-B, 15-DC, 22-DC	3F3991	P.P. Inp.	3.00
32-DC, 42-DC	3F3991	P.P. Inp.	3.00
CLARION—AC-40	3F3990	Output	.85
AC-60	3F3954	P.P. Inp.	1.82
AC-61, 25-61	3F3955	P.P. Inp.	1.59
AC-80, AC-81, AC-84, AC-85, AC-90, AC-90-A, AC-91, 25-80, 25-81, 25-84, 25-85, 25-90	3F3992	Output	1.21
AC-160, 25-160	3F3993	P.P. Out.	1.09
AC-260, 25-260	3F3994	P.P. Out.	1.26
AC-320, 25-320	3F3996	Output	.68
AC-360, 25-360	3F3997	P.P. Inp.	1.09
60, 25-60, 61, 25-61, 70	3F3966	Output	1.06
160, 25-160, 280, 25-280, Series 220, 220-25, 240, 25-240	3F3967	Input	1.47
241, 25-241, 260, 25-260	3F3968	Output	1.00
300, 25-300, 460, 25-460	3F3995	Driver	1.68
420, 422, 423, 425, 440, 441, 450, 451, AC-DC	3F3976	Output	1.03
480, 25-480	3F3977	Input	1.47
COLUMBIA PHONOGRAPH—C-31, C-33	3F3990	Output	.85
C-32, C-34	3F3992	Output	1.21
ERLA—224, 224B	3F3956	P.P. Inp.	2.70
224, 224B	3F3957	Output	.82
GENERAL ELECTRIC H-31, H-51, H-71	3F3958	Inp.-Out. Assembly	2.70
GRAYBAR—GB-700, GB770, GB-900	3F3958	Inp.-Out. Assembly	2.70
MAJESTIC—(Part #1551) 90, 91, 93	3F4205	Inp. Aud.	3.20
102, 103	3F4205	Inp. Aud.	3.20
(Part #3053) 51, 52	3F4206	P.P. Out.	1.91
(Part #1552) 90, 91, 93, 102, 103	3F4207	Out.	2.59
(Part #846) 91, 92, 101 (Comb.) (G-3 Spkr.)	3F4207	Out.	2.59
(Part #638) 71, 72	3F4208	1st Audio	3.03
(Part #63) 71, 72, 181 (Comb.) 91, 92, 101 (Combination)	3F4209	P.P. Inp.	3.20
(Part #64) 71, 72, 181 (Combination)	3F4210	P.P. Out	2.59
(Part #3055) 51, 52	3F4211	P.P. Inp.	3.20
(Part #134) 91, 92, 101, (Combination)	3F4212	P.P. Out	2.59
(Part #565) 91, 92, 101, (Combination)	3F4213	P.P. Inp.	$3.20
(Part #3624) 31	3F4214	P.P. Inp.	2.73
(Part #1883) 130, 131, 132, 233, (Comb.)	3F4215	P.P. Inp.	2.94
(Part #468) 101, (Comb.)	3F4216	P. Tr.	2.00
(Part #2164) 233, (Comb.)	3F4218	P. Tr.	1.71
(Part #3767) 61, 62	3F4217	P.P. Inp.	2.73
PHILCO—3 (Transitone) 30, 82, 86, 83, 87	3F3962	Input	1.47
3 (Transitone) 70, 70-A, 270, 270-A, 370, 370-A, 470, 470-A, 90, 90-A, 490, 490-A, (90, 1-247)	3F3965	Output	1.26
20, 20-A, 21, 220, 220-A	3F3963	P.P. Inp.	1.29
20, 20-A, 21, 220, 220-A, 40, 41, 42, 46, 346, 62, 65, 73, 76, 77, 77-A, 82, 86, 83, 87, 90, 90-A, (90, 2-245's) 92, 95, 96, 96-A, 296, 296-A, 111, 111-A, 211, 211-A, 112, 112-A, 212, 212-A, (112, 2-245's)	3F3964	P.P. Out.	1.26
30, 40, 41, 42, 73, 76, 77, 77-A, 82, 86, 83, 87	3F3961	P.P. Inp.	1.47
62, 65, 92, 95, 96, 96-A, 296, 296-A, 111, 111-A, 211, 211-A, 112, 112-A, 212, 212-A, (112, 2-245's)	3F3960	P.P. Inp.	2.06
511	3F3959	Input	1.44
RCA—RADIOLA—VICTOR R-34, R-35, R-39, R-80, R-82, R-86, RAE-68, RE-57	3F3958	Inp.-Out. Assembly	2.70
SPARTON 9-A, 410, 410-DC, 420, 420-DC, 600-A, 610-A, 620-A	3F3971	P.P. Inp.	2.44
39, 49, 69, 79, 79-A	3F3970	Audio	1.29
55, 103, 111-A, 235, 301, 301-A, 564, 570, 574, 578, 591, 593, 740, 750, 870, 931-AC	3F3973	P.P. Out.	.94
301-DC, 591, 593, 931-AC, 931-DC	3F3972	P.P. Inp.	1.35
(Part #A-3736) 930	3F3974	Output	.94
(Part #A-4812) 103, 578, 31, 32, 51, 52	3F3975	Input	1.47
WESTINGHOUSE WR-5, WR-6, WR-6-R, WR-7, WR-7-R, WR-8, WR-8-R	3F3958	Inp.-Out. Assembly	2.70

Output Transformers



Guaranteed finest quality. Coils are carefully wound and highly insulated. Laminations accurately made of fine silicon steel. Unshielded type. Cadmium plated. Designed to withstand hard continuous usage. (For Class "A" Amplification.)

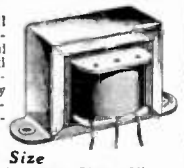
For Single Tubes	For Tubes In P-P
Core Size ⅝"x¾". Dimensions: Height 2", Depth 1⅝", Length overall 2⅜". Hole Centers 2".	
Tubes: 71A, 45, 43, 59	Tubes: 71A, 45, 43, 59
3F4185—Stancor A-2203. List, $1.10.	**3F4176**—Stancor A-2220. List, $1.20.
YOUR PRICE ..... **65¢**	YOUR PRICE ..... **71¢**
Core Size ¾"x¾". Dimensions: Height 2", Depth 1⅝", Length overall 3⅜". Hole Centers 2⅛".	
Tubes: 71A, 45, 43, 59	Tubes: 71A, 45, 43, 59
3F4175—Stancor A-2200.	**3F4186**—Stancor A-2201.
Tubes: 12A, 10, 31, 41	Tubes: 12A, 10, 31, 41
3F4177—Stancor A-2227.	**3F4178**—Stancor A-2231.
Tubes: 33, 47, 2A5, 49, 46, 42	Tubes: 33, 47, 2A5, 49, 46, 42
3F4181—Stancor A-2313.	**3F4182**—Stancor A-2312.
Tubes: 38, 89	Tubes: 38, 89
3F4179—Stancor A-2347. List Price, $1.40.	**3F4180**—Stancor A-2348 List Price, $1.50.
Your Price, Each .. **82¢**	Your Price, Each .... **88¢**
Core Size ⅞"x⅞". Dimensions: Height 2¼", Depth 1⅞", Length overall 3⅛". Hole Centers 3⅛".	
Tubes: 71A, 45, 50, 2A3, 43, 59, 48	Tubes: 71A, 45, 50, 2A3, 43, 59, 48
3F4183—Stancor A-2234 List. $1.70.	**3F4187**—Stancor A-2211. List, $1.80.
YOUR PRICE **$1.00**	YOUR PRICE **$1.06**

Stancor Magnetic Speaker Chokes

For using magnetic speakers with the following tubes: 12A, 71A, 47, 31, 33, 38, 41, 42, 43, 59. Core ¾"x¾". Mtg. centers 2⅛".

3F4200—For Single Tubes. Code—C-1003.	**3F4203**—For Push-Pull Tubes. Code—C-1034. List, $1.00.
List, $1.25. Your Price .. **74¢**	YOUR PRICE ..... **59¢**

STANCOR Audio Transformers



For single and pushpull stages. Unmounted. Cadmium plated frames and bottom plates. To feed from any type or combination of input tubes to any type or combination of output tubes. Match any input or output impedance.

Midget Size

2" H, 1⅝" W, 2⅜" L. Mtg. Ctrs., 2". Core ⅝"x¾".

Radolek Stock No.	Stancor Type No.	Ratio	Your Price
3F4170	A-64	Straight 4:1	$ .82
3F4171	A-64-C	P.P. Input 4:1	.88

Regular Size

2" H, 1⅝" W, 3⅛" L. Mtg. Ctrs., 2⅛". Core ¾"x¾".

3F4150	A-72	Straight 2:1	1.00
3F4151	A-72-C	P.P. Input 2:1	1.06
3F4152	A-73	Straight 3:1	1.00
3F4153	A-73-C	P.P. Input 3:1	1.06
3F4154	A-74	Straight 4:1	1.00
3F4155	A-74-C	P.P. Input 4:1	1.06

Medium Size

2" H, 2⅛" W, 3⅜" L. Mtg. Ctrs., 2⅛". Core ¾"x1".

3F4156	A-74-Y	Straight 4:1	1.18
3F4157	A-74-YC	P.P. Input 4:1	1.23

Large Size

2¼" H, 1⅞" W, 3⅛" L. Mtg. Ctrs., 3⅛". Core ⅞"x⅞".

3F4158	A-82	Straight 2:1	1.35
3F4159	A-82-C	P.P. Input 2:1	1.41
3F4160	A-83	Straight 3:1	1.35
3F4161	A-83-C	P.P. Input 3:1	1.41
3F4162	A-84	Straight 4:1	1.35
3F4163	A-84-C	P.P. Input 4:1	1.41

Giant Size

2⅝" H, 2" W, 4⅛" L. Mtg. Ctrs., 3⅝". Core 1"x1".

3F4164	A-102	Straight 2:1	1.59
3F4165	A-102-C	P.P. Input 2:1	1.65
3F4166	A-103	Straight 3:1	1.59
3F4167	A-103-C	P.P. Input 3:1	1.65
3F4168	A-104	Straight 4:1	1.59
3F4169	A-104-C	P.P. Input 4:1	1.65

Stancor Exact Duplicate FILTER CHOKES

For Many Popular Receivers

High quality chokes that physically and electrically exactly duplicate the originals. It is not necessary to do any drilling or cutting of chassis base when making replacements with Stancor Exact Duplicate Transformers.

RADIO MODEL	Stock No.	Your Price
ATWATER-KENT 36, 37, 38, 40, 42, 43, 44, 52	3F3980	$0.73
BELMONT—425, 525, 530, 545, 625	3F3981	.70
CLARION 220, 25-220, 241, 25-91, 84, 25-84, 85, 25-85, 100, 120, 40, 25-40, 80, 81, 90, 25-90, 90A, 91, 25-80, 25-241, 25-81	3F4235	1.29
AC-160, AC-260, 25-160, 25-260	3F3982	.94
AC-300, 25-300	3F3983	1.18
AC-360, 25-360	3F3984	1.00
400 AC-DC	3F4236	.79
420, 422, 423, 425, 440, 441, AC-DC	3F4237	.79
450, 451	3F4238	.79
FRESHMAN 425, 525, 530, 452, 625	3F3981	.70
MAJESTIC—51, 52 (60 cycle) 130, 131, 132, 133, (Comb.)	3F4240 3F4241	2.18 3.32
NAVIGATOR 425, 525, 530, 545, 625	3F3981	.70
PHILCO—15, 15A, 40, 41, 42, 62 (1st Position) 65 (1st Position) 73, 76, 77, 77-A, 83 (1st Position) 87 (1st Position) 92, 95, 96, 96-A, 111, 111-A, 112 (2-245's), 112-A (2-45's) 211, 211-A, 212 (2-45's) 212-A (2-45's) 296, 296-A	3F3985	1.62
30, 35, 35-B, 62 (2nd Position), 65 (2nd Position)	3F3986	1.62
83 (2nd Position), 87 (2nd Position)	3F3987	2.06
4, 14, 21, 48, 70, 70 (AVC) 90 (2-45), 90 (1-47), 90 (2-47) 91, 470, 490	3F3989	1.03
RCA—RADIOLA—VICTOR AP777C, R-64, R-67, 9-18X, 9-54, 9-56	3F3988	4.12

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World Radio History

EXACT DUPLICATE STANCOR REPLACEMENTS POWER TRANSFORMERS

RADIO MODEL	Stock No.	Stancor Type	Your Price
Majestic Models, 71, 72, (70 Chassis) *Plate Transformer* Stancor Type No. P-790. List, $4.90 3E3777— **$2.88** *Filament Transformer* Models 71, 72 (70 Chassis) Stancor Type No. P-798. List, $4.65 3E3778— **$2.73**			
Majestic Models 91, 92 (90 Chassis) *Power Transformer* Stancor Type No. P-757. List Price, $6.90 3E3780— YOUR PRICE **$4.06**			
NATIONAL CARBON CO. (See Eveready)			
NAVIGATOR			
41 (Series 40) 47 (Series 40)	3F3665	P-1000	$2.15
51 (Series 50)	3F3666	P-453	2.41
51A (Series 50-A)			
51B (Series 50-B)	3F3667	P-597	2.06
51C (Series 50-C)	3F3669	P-1260	1.88
71 (Series 70)	3F3668	P-557	2.70
OZARKA			
90	3F3785	P-220	3.67
93-A	3F3668	P-557	2.70
Viking 91	3F3786	P-1484	3.41
Ozarka Model 90 Stancor Type No. P-220 List Price, $6.25 3E3785— YOUR PRICE **$3.67**			
PEERLESS (See United Corp.)			
PHILCO			
14, 91 (Code 221-3)	3J3759	P-1572	$3.82
16, 17 (Code 122)	3J3766	P-1571	3.59
16, 17 (Code 121)	3J3784	P-1573	3.59
18, 18 (Code 124)	3F3805	P-1568	3.59
20, 220 (Chassis 20)	3F3794	P-762	3.41
21	3J3787	P-1575	3.82
50, 51, 52, 551	3F3791	P-1460	2.47
65 (Chassis 65)	3F3795	P-711	3.20
70, 270, 370, 470, 570	3F3806	P-1119	3.12
71 (Twin Speaker)	3J3789	P-1574	3.12
76, 77	3F3796	P-785	3.56
86 (Chassis 86)	3F3797	P-786	3.12
87 (Chassis 87)	3F3798	P-763	3.53
90, 490 (Chassis 90, 1-'47)	3F3792	P-1468	3.88
90, 490 (Chassis 90, 2-'47s)	3F3803	P-1497	3.95
90, (Chassis 90, 2-'45s)	3F3793	P-1469	3.97
91 (Chassis 91)	3F3804	P-1498	4.06
95, 96, 296	3F3799	P-787	3.82
111, 211 (Chassis 111), 112, 212 (2-'45s)	3F3800	P-788	4.26
112, 212 (2-'47s)	3F3801	P-882	3.88
200, 201	3J3790	P-1576	3.97
511 (511 Chassis)	3F3802	P-784	3.35
Philco Model 65 Stancor Type No. P-711. List Price, $5.45 3E3795— YOUR PRICE **$3.20** **Philco Models 20, 220** Stancor Type No. P-762. List Price, $5.80 3E3794— YOUR PRICE **$3.41**			
RCA—RADIOLA—VICTOR			
AP-736, AZ-774B, 10-69			
10-51, (above Ser. No. 800)			
10-70, (above Ser. No. 2600)			
12-15, (above Ser. No. 2600)	3F3817	P-1473	$5.53
AP-736B, 9-16X	3F3818	P-1430	5.50
AP-777C, R-64, R-67, 9-18X, 9-54	3F3816	P-827	10.58
E-35, E-135, E-152, R-32, R-52, RE-45, RE-75, RE-154, RE-156	3F3819	P-717	4.00
R-4, R-6	3F3738	P-1487	2.82
R-5, R-5X	3F3740	P-1493	2.38
R-7, R-9	3F3732	P-1481	2.85
R-7A	3F3734	P-1482	2.97
R-12, RE-19, RO-23, R-8, R-10	3F3736	P-1483	2.94
R-11, R-21, RAE-26, RE-18, RE-18A	3F3730	P-1474	3.29
R-14, R-15, R-42, R-48, RE-17	3F3728	P-927	$3.88
R-17, R-18AC, R-33AC, R-51AC, RAD-50, 7-11, 7-25, 7-26X	3F3677	P-791	3.18
R-34, R-35, R-39, RE-57, RE-73	3F3821	P-718	3.73
R-44, R-46, R-47	3F3748	P-714	3.50
R-60, R-62	3F3678	P-715	3.20
R-66	3F3749	P-883	3.82
R-80, R-82, R-86	3F3726	P-713	3.47
RCA Victor Radiola Models R 80, R 82, R 86 Graybar GB 700, GB 770, GB 900 Westinghouse WR5, WR6, WR6R, WR7 Stancor Type No. P-713. List Price, $5.90 3E3726—YOUR PRICE **$3.47**			
RCA Victor R 44, R 46AC, R 47 Graybar 500, 550 Stancor Type No. P-714. List Price, $5.95 3E3748—YOUR PRICE **$3.50**			
RCA Victor R 60, R 62, Brunswick 3 NC 8, 5 NC 8 Stancor Type No. P-715. 3E3678—YOUR PRICE **$3.20**			
RCA Victor R 17, R 18 AC, R 33 AC, R 51 AC, RAD 50, 7-11, 7-25, 7-26X Brunswick 5 KR, 2 KRO, 3 KRO, 5 KRO, 3 KR6, 5 KR6 Graybar 310, 311. Stancor Type No. P-791. 3E3677— YOUR PRICE **$3.18**			
RCA Victor Radiola Models E-35, E-135, E-152, R-32, R-52, RE-45, RE-75, RE-154, RE-156 Stancor Type No. P-717. List, $6.80 3E3819—YOUR PRICE **$4.00**			
SENTINEL RADIO CORP.			
108, 108A, 108B, 110	3F3851	P-420	$2.68
111, 112, 114, 115, 116	3F3850	P-1253	4.00
(Chassis 104)	3F3850	P-1253	4.00
SILVER MARSHALL			
B, J	3F3822	P-1496	2.94
D, E, F	3F3825	P-1439	3.70
Q DeLuxe below No. 40,000	3F3826	P-1467	4.00
V, 728 Short-Wave	3F3826	P-1467	4.00
Q Short-Wave R	3F3823	P-1491	3.59
Sheridan 750	3F3824	P-1272	2.91
726 Short-Wave	3F3830	P-1490	3.65
SONORA			
A 30, A-32, A-40	3F3828	P-1380	3.67
2N-P-25, 3-R, 4-R	3F3828	P-1380	3.67
A-31, A-33, A-35	3F3829	P-1462	3.62
SPARTON			
AC-7, 62, 63	3F3807	P-1373	2.47
9-A, 410, 420, 600A	3F3808	P-1196	3.76
610-A, 620-A	3F3808	P-1196	3.76
25, 26, 26AW, 30, 30A	3F3809	P-1204	3.88
30B, 45	3F3809	P-1204	3.88
35, 101, 110, 111, 111A	3F3831	P-1412	4.44
870	3F3831	P-1412	4.44
89-A	3F3810	P-921	3.18
99, 109	3F3832	P-1411	4.27
103, 301, 301A, 564	3F3811	P-1372	4.79
570, 574, 578, 740, 750	3F3811	P-1372	4.79
589	3F3812	P-909	3.84
591, 593, 931	3F3813	P-864	3.79
55-55 (Police Set)	3F3814	P-1569	3.76
Sparton Models 591, 593, 931 *Power Transformer* Stancor Type No. P-864. List Price, $6.45 3E3813— YOUR PRICE **$3.79**			
SPLITDORF			
M-5 (Plate)	3F3703	P-961	$3.18
STEWART-WARNER			
801, 801-A, 802, (Series A) 801, 801-A, 802, (Series B)	3F3837	P-1108	3.53
901, 902, 903 (Series 900)	3F3839	P-1470	2.88
951, 952, 953 (Series 950)	3F3839	P-1470	2.88
R-100-A, (Series R-100)	3F3839	P-1470	2.88
Stewart-Warner 901, 902, 903, (Series 900) 951, 952, 953, (Series 950) R-100 A (Series R-100) Stancor Type No. P-1470. List Price, $4.90 3E3839— YOUR PRICE **$2.88**			
STROMBERG-CARLSON			
10, 11	3F3842	P-1209	3.88
641, 642, 652, 654	3F3843	P-834	3.76
846, 848	3F3844	P-1053	3.97
TEMPLE			
8-60, 8-61, 8-80			
8-81, 8-90, 8-91	3F3846	P-219	3.09
AC-80	3F3683	P-1928	2.50
TRANSFORMER CORP. OF AMERICA (See Clarion)			
TRAV-LER			
A	3F3847	P-149	2.06
B	3F3848	P-130	3.06
C	3F3849	P-187	2.94
TRUE-TONE			
60	3F3625	P-1404	2.65
UNITED AIR CLEANER CORP. (See Sentinel Radio Corp.			
UNITED REPRODUCERS CORP.			
70, 71, 72 (Series K-70)	3F3788	P-1434	3.20
U. S. RADIO & TELEVISION CORP.			
7	3F3626	P-1461	3.09
8, (Series 8-A)	3F3628	P-1479	3.18
8, (Series 8-B)	3F3628	P-1479	3.18
9, 19 (900 Chasis)	3F3631	P-1495	3.38
9, 19 (902 Chasis)	3F3631	P-1495	3.38
10, 10-C (1000 Chassis)	3F3630	P-1016	3.56
10-C (1001 Chassis)	3F3630	P-1016	3.56
20 (Gloriette-20 Chassis)	3F3620	P-1070	2.53
26 (Gloritone-26 Chassis)	3F3623	P-1405	2.29
26-P (Gloritone-26-P Chas.)	3F3621	P-1358	2.29
32 Series, (32 Chassis)	3F3624	P-1291	2.97
36, 37 (Apex)	3F3645	P-340	4.94
Apex Models 36, 37 Fits Monroe and Marvelo Model 6-7. Stancor Type No. P-340 List, $8.40 3E3645— YOUR PRICE **$4.94**			
VICTOR (See R. C. A., RADIOLA, VICTOR)			
VIKING (See OZARKA)			
WELLS-GARDNER			
C, CG	3F3629	P-1478	4.38
60, 63	3F3625	P-1404	2.65
WESTINGHOUSE			
WR-4	3F3728	P-927	3.88
WR-5, WR-6, WR-6R, WR-7	3F3726	P-713	3.47
WR-7-R, WR-8, WR-8-R	3F3726	P-713	3.47
WR-10, WR-12	3F3732	P-1481	2.85
WR-10-A	3F3734	P-1482	2.97
WR-14	3F3740	P-1493	2.38
WR-15	3F3730	P-1474	3.29
ZENITH			
10, 11, 12 (Super Zenith)	3F3853	P-851	4.06
52, 53, 54, 55, 60, 61, 62, 64, 67, 71, 72, 73, 77	3F3854	P-712	4.50
Zenith Models 52, 53, 54, 55, 60, 61, 62, 64, 67, 71, 72, 73, 77 Stancor Type No. P-712. List Price, $7.65 3E3854— YOUR PRICE **$4.50**			

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World Radio History

EXACT DUPLICATE STANCOR REPLACEMENTS POWER TRANSFORMERS

Exact Fit Guaranteed

THEY FIT! Mounting holes, lugs, voltages and everything exactly like the original. Better insulation and higher safety factor than the original but otherwise the same. We can supply any Transformer you require.

Complete Stock—Quick Shipments

Additional Models

We are constantly adding to our stock additional models of Replacement Power Transformers. If the transformer you require is not quoted here, write us for price, stating make and model of the receiver and the number and type of tubes used. We will promptly send you a low quotation on the job and guarantee an exact replacement.

Diagram of Connections

Each unit is packed in an individual carton containing a planograph which plainly designates the connecting leads, the voltages, and gives the circuit. When ordering, state name, model number of the set for which transformer is required together with the stock number and you will be assured of prompt shipment.

RADIO MODEL	Stock No.	Stancor Type	Your Price
AIRLINE (Mont. Ward)			
AE-10, 62-2600, 62-2622, 62-2655, 62, 2775	3F3629	P-1478	$4.38
62-29	3F3680	P-1136	3.53
62-520, 62-1420	3F3620	P-1070	2.53
62-626, 62-726, 62-2026, 62-2126	3F3621	P-1358	2.29
62-060, 62-070, 62-1800	3F3623	P-1405	2.29
62-60	3F3625	P-1404	2.65
62-030, 62-232, 62-3235	3F3624	P-1291	2.97
62-1238, 62-1838	3F3628	P-1479	3.18
62-1355, 62-1955	3F3630	P-1016	3.56
62-20, 62-25	3F3619	P-1561	3.09
62-21, 62-22, 62-30	3F3626	P-1461	3.08
62-6N, 62-49	3F3631	P-1495	3.38
62-010	3F3627	P-1438	3.65

Airline 62-060, 62-070, 62-1800, and Apex 26-W

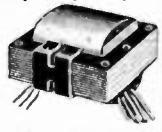
Stancor Type No. P-1405.
Weight, 5 lbs.
List Price, $3.90

3E3623— YOUR PRICE **$2.29**

ALL-AMERICAN MOHAWK (LYRIC)			
60, 61, 62, 65, 66, 80 83, 84, 85, 86, 88	3F3638	P-1463	$3.76
90	3F3639	P-1038	3.53
Lyric D, Lyric H	3F3633	P-1134	4.07
J, P	3F3635	P-1406	2.79
86	3F3637	P-1410	2.20
ATWATER-KENT			
37, 37C, 38	3F3649	P-716	3.15
55-Early, 55C-Early	3F3651	P-918	3.70
55-Late, 55C-Late	3F3650	P-913	3.76
60-1st type, 60-2nd type 60C-1st type, 60C-2nd type	3F3652	P-1066	3.56
60-3rd type, 60C-3rd type	3F3663	P-1500	2.82
66 Early & Late—Plate	3F3653	P-1213	3.67
70-L1 chassis, 70-L2 chassis 70-P chassis, 72-H1 chassis 72-H2 chassis, 74-L1 chassis 74-L2 chassis, 74-P chassis 76-L1 chassis, 76-L2 chassis 76-P chassis	3F3654	P-1068	3.41
80, 83	3F3655	P-1088	3.41
82, 85	3F3657	P-1084	3.41
84-Early, 84-Late	3F3659	P-1086	3.41
87-1st type, 87-3rd type 89-1st type, 89-3rd type 89P-1st type, 89P-3rd type	3F3661	P-1089	3.70

Atwater-Kent Models 70, 72, 74, 76
Chassis Models L1, L2, H1, H2, P

List Price, $5.80
Stancor Type No. P-1068.



3E3654— YOUR PRICE **$3.41**

Atwater-Kent Models 37, 37C, 38

Stancor Part No. P-716.
List Price, $5.35

3E3649— YOUR PRICE **$3.15**

BALKEIT			
52, 55	3F3664	P-1149	$1.91
BELMONT			
41-Series 40, 47-Series 40	3F3665	P-1000	2.15
51-Series 50	3F3666	P-453	2.41
51A-series 50A 51B-series 50B	3F3667	P-597	2.06
51C-series 50C	3F3669	P-1260	1.88
71-series 70	3F3668	P-557	2.69
BOSCH			
29, 825	3F3671	P-859	4.23
BREMER-TULLY			
81, 82, S-81, S-82	3F3674	P-1112	4.03

RADIO MODEL	Stock No.	Stancor Type	Your Price
BRUNSWICK			
S-14, S-21, S-31, S-81, S-82, 14, 21, 31, 81, 82	3F3674	P-1112	$4.03
10	3F3682	P-1499	2.62
11-D, 11A-D, 12-D, 12A-D 16-D, 16A-D, 18-D, 18A-D, 33-D, 33A-D (chassis)	3F3680	P-1136	3.53
5-KR, 2-KRO, 3-KRO, 5-KRO, 3-KR6, 5-KR6	3F3677	P-791	3.18
3-NC8, 5-NC8	3F3678	P-715	3.20
CLARION			
AC-40	3F3682	P-1499	2.62
AC-60	3F3627	P-1438	3.65
AC-61, AC-70	3F3688	P-1429	3.47
AC-80, AC-81, AC-84, AC-85, AC-120	3F3683	P-1928	2.50
AC-90, AC-90-A, AC-91	3F3689	P-1166	3.79
AC-100	3F3610	P-1558	2.29
AC-160	3F3611	P-1974	3.15
AC-260	3F3612	P-1494	3.18
AC-280	3F3613	P-1927	3.59
AC-300	3F3614	P-1915	3.65
AC-320	3F3615	P-1916	2.15
AC-340	3F3616	P-1871	2.70
AC-360	3F3617	P-1861	2.68
470, 472	3F3608	P-1562	2.20
480	3F3609	P-1560	3.82

Clarion A.C. 90, A.C. 90A, A.C. 91

Stancor Type No. P-1166.
List Price, $6.45

3E3689— YOUR PRICE **$3.79**

CROSLEY			
40-S, 41-S, 42-S, 45-S, 82-S (73 Chassis)	3F3698	P-1015	$3.18
41, 41-A, 42, 704-B 706-Show Box Series	3F3699	P-1472	3.18
146, 146-1 (Unmounted)	3F3697	P-1563	3.82
EARL			
31, 32, 33S, 41	3F3700	P-893	3.72
EDISON			
C-2, R-1, R-2 (Plate—JR Chassis)	3F3703	P-961	3.18
C-4, R-4, R-5 (7R & 8P Chassis)	3F3704	P-1143	4.57
ERLA			
71, 72, 73, 271, 271-A	3F3707	P-1464	3.26
81, 82, 245	3F3708	P-1466	3.41
224, 224-B	3F3709	P-1465	4.03
EVEREADY			
31-Series 30, 32-Series 30, 33-Series 30, 34-Series 30	3F3712	P-1030	3.44
Series 30-C	3F3713	P-1480	2.59
42-Series 40, 43-Series 40, 44-Series 40	3F3714	P-956	2.88
52-Series 50, 53-Series 50 54-Series 50	3F3715	P-901	2.88
FREED-EISMANN			
NR-55	3F3718	P-1471	3.29
NR-78, NR-79, NR-90-S, NR-95	3F3700	P-893	3.73
NR-85	3F3719	P-1101	3.94
FRESHMAN			
Q15, Q16, 3Q15, 3Q16	3F3722	P-910	3.38
QD16-S	3F3723	P-919	3.38
31-S, 32-S, 41	3F3700	P-893	3.73
41-Series 40, 47-Series 40	3F3665	P-1000	2.15
51-Series 50	3F3666	P-453	2.41
51A-Series 50A 51B-Series 50B	3F3667	P-597	2.06
51C-Series 50C	3F3669	P-1260	1.88
GENERAL ELECTRIC			
H-31, H-51, H-71	3F3726	P-713	3.47
J-70, J-75	3F3738	P-1487	2.82
J-80, J-85, S-132	3F3736	P-1483	2.94
K-62	3F3730	P-1474	3.29
S-22, S-22X, S-42	3F3732	P-1481	2.85
S-22A	3F3734	P-1482	2.97
T-12	3F3740	P-1493	2.38
T-41	3F3728	P-927	3.88

RADIO MODEL	Stock No.	Stancor Type	Your Price
GENERAL MOTORS			
110, 180, 190 (Little General MA Chassis)	3F3743	P-1485	$2.23
211 (S-9-A Chassis)	3F3742	P-1271	2.53
220 (S-10-A Chassis)	3F3744	P-1506	2.29
252, 253, 254, 255, 256, 257, 258 (S-3-A Chassis)	3F3745	P-1492	3.12
GRAYBAR			
310, 311	3F3677	P-791	3.18
340	3F3678	P-715	3.20
500, 550	3F3748	P-714	3.50
600	3F3749	P-883	3.82
GB-4	3F3740	P-1493	2.38
GB-8	3F3732	P-1481	2.85
GB-8-A	3F3734	P-1482	2.97
GB-9	3F3730	P-1474	3.29
GB-678	3F3728	P-927	3.88
GB-700, GB-770, GB-900	3F3726	P-713	3.47
GB-989, GC-14, GT-8	3F3736	P-1483	2.94
GC-13, GT-7	3F3738	P-1487	2.82
GREBE			
AC-7 (Synchrophase)	3F3750	P-1475	3.18
HS-4 (PP 45s)	3F3751	P-1476	2.97
HS-4 (Pentode)	3F3752	P-1477	2.94
HS-8	3F3753	P-1480	2.88
GULBRANSON			
60-Series 60, 63-Series 60	3F3625	P-1404	2.65
200 (9 in line series) 291, 292, 295, 9950	3F3629	P-1478	4.38
KELLOGG			
523, 533, 534, 535, 536	3F3756	P-868	4.25
KENNEDY			
10, 20	3F3757	P-792	3.65
26	3F3758	P-1488	3.79

Kennedy Model 10 and 20

Stancor Type No. P-792.
List Prcle, $6.45

3E3757— YOUR PRICE **$3.79**

KOLSTER-BRANDES			
B-15, B-16	3F3763	P-1193	$4.00
K-20, K-21, K-22, K-23, K-25, K-27, K-28, K-37	3F3760	P-1190	3.59
K-24, K-36	3F3761	P-1191	4.70
K-43	3F3762	P-1192	3.91
KOLSTER-COLUMBIA			
950	3F3764	P-1194	5.23
961	3F3765	P-1437	4.59
MAJESTIC			
21, 22, 23 (Unmounted 20 chassis)	3F3773	P-954	2.82
51, 52 (Unmounted 50 chassis)	3F3776	P-905	3.20
71, 72 (Plate, 70 chassis)	3F3777	P-790	2.88
71, 72 (Fil. 70 and 70B chassis)	3F3778	P-798	2.73
71, 72 (Plate 70B chassis)	3F3769	P-1486	2.97
90, 91, 93 (90B chassis) 102 (100-B chassis) 103 (100-B chassis)	3F3779	P-939	2.73
91, 92 (90 chassis) 101 (100 chassis)	3F3780	P-757	4.06
130, 131, 132(130-A chassis) 233 (230-A chassis)	3F3774	P-1102	4.26
151, 153 (Unmounted 15 chassis), 154 (Unmounted 15-B chassis), 155 (Unmounted 150 chassis) 156 (Unmounted 15 chassis)	3F3772	P-906	2.09
181 (Plate, 180 chassis)	3F3782	P-789	4.38
181 (Filament 180 chassis) 211, 214, 215 (Unmounted 210 chassis)	3F3781	P-805	3.06
251, 253, 254 (Unmounted 25 chassis) 251-B, 253-B, 254-B (Unmounted 25-B chassis)	3F3783	P-1507	3.23
291 Madison, 293 Adams, 294 Monroe (290 chassis)	3F3775	P-1168	3.29
324 (chassis 320)	3F3767	P-1564	4.12
344 (chassis 340, 340B)	3F3768	P-1565	4.62
363 (chassis 360)	3F3770	P-1566	4.94
	3F3771	P-1567	4.70

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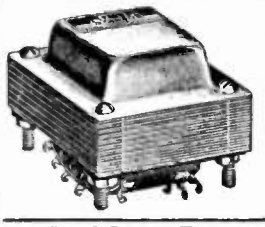
Stancor Replacement Power Transformers

Flush Mounting Replacements



These transformers fit the physical and electrical requirements of the majority of receivers. Heavy oversized laminations are carefully stacked. Tinned copper rust-proof mounting lugs are securely anchored to a fibre plate, which covers the bottom of the transformer coil. Skillful engineering, best quality materials and high class workmanship are incorporated in every transformer. Cadmium-plated, rust-proof finish. Any combination of tubes may be used providing the current ratings of the windings are not exceeded. Diagram included with each transformer.

For 105-115 V.; 50-60 Cy. Oper.

For 2.5 Volt Tubes

4-Tube

Plate 650 Volts, C.T. 40 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 1. 2½ Volts, C.T. 3¾ Amps.
Mtg. Area 2½"x3"
Mtg. Centers 2" x2½"
3F3869—Stancor type P-2750.
List Price, $1.95.
YOUR PRICE **$1.15**

4 or 5 Tubes

Plate 650 Volts, C.T. 40 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 2½ Volts, C.T. 4½ Amps.
Mtg. Area 2½"x3"
Mtg. Centers 2" x2½"
3F3870—Stancor type P-2770.
YOUR PRICE **$1.32**

4 or 5 Tubes

Plate 650 Volts, C.T. 40 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 2½ Volts, C.T. 1¾ Amps.
Fil. 3. 2½ Volts, 3½ Amps.
Mtg. Area 2½"x3"
Mtg. Centers 2" x2½"
3F3871—Stancor type P-2868.
List Price, $2.45.
YOUR PRICE **$1.44**

5 or 6 Tubes

Plate 700 Volts, C.T. 50 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 2½ Volts, C.T. 3½ Amps.
Fil. 3. 2½ Volts, 5¾ Amps.
Mtg. Area 2¹³⁄₁₆"x3¼"
Mtg. Centers 2¼"x2¹³⁄₁₆"
3F3872—Stancor type P-2869.
List Price, $3.15.
YOUR PRICE **$1.85**

6 or 7 Tubes

Plate 700 Volts, C.T. 70 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 2½ Volts, C.T. 3½ Amps.
Fil. 3. 2½ Volts, 7½ Amps.
Mtg. Area 3⅛"x3¾"
Mtg. Centers 2½"x3⅛"
3F3873—Stancor type P-2859.
List Price, $3.45.
YOUR PRICE **$2.03**

8 or 9 Tubes

Plate 700 Volts, C.T. 90 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 2½ Volts, C.T. 3½ Amps.
Fil. 3. 2½ Volts, 9 Amps.
Mtg. Area 3¼"x4¼"
Mtg. Centers 2¾"x3⅛"
3F3874—Stancor type P-2860.
List Price, $4.00.
YOUR PRICE **$2.35**

10 to 12 Tubes

Plate 700 Volts, C.T. 110 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 2½ Volts, C. T. 3½ Amps.
Fil. 3. 2½ Volts, 14 Amps.
Mtg. Area 3¾"x4¼"
Mtg. Centers 3" x3¾"
3F3875—Stancor type P-950.
List Price, $5.50.
YOUR PRICE **$3.23**

For 6.3 Volt Tubes

4-Tube

Plate 650 Volts, C.T. 40 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 6.3 Volts, C.T 1.6 Amps.
Mtg. Area 2½"x3"
Mtg. Centers 2" x2½"
3F3876—Stancor type P-2751.
List Price, $1.95.
YOUR PRICE **$1.15**

4 or 5 Tubes

Plate 650 Volts, C.T. 40 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 6.3 Volts, C.T. 2 Amps.
Mtg. Area 2½"x3"
Mtg. Centers 2" x2½"
3F3877—Stancor type P-2771.
List Price, $2.25.
YOUR PRICE **$1.32**

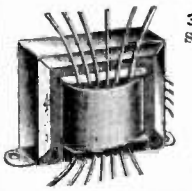
5 or 6 Tubes

Plate 675 Volts, C.T. 70 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 6.3 Volts, C.T. 2½ Amps.
Mtg. Area 3¼"x3¾"
Mtg. Centers 2¼"x3⅛"
3F3878—Stancor type P-948.
List Price, $3.60.
YOUR PRICE **$2.12**

7 to 10 Tubes

Plate 700 Volts, C.T. 120 MA.
Fil. 1. 5 Volts, 3 Amps.
Fil. 2. 6.3 Volts, C.T. 3 Amps.
Mtg. Area 3¼"x4¼"
Mtg. Centers 2¾"x3⅛"
3F3879—Stancor type P-949.
List Price, $3.90.
YOUR PRICE **$2.34**

Stancor Tube Checking Transformer



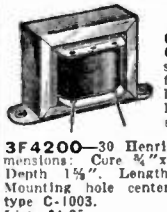
3F3880—Stancor Type P-1834

List Price $3.20

Your Price **$1.88**

For construction of tube testers and for replacement. Secondary is tapped for 1.1; 1.5; 2.0; 2.5; 3.0; 3.3; 5.0; 6.3; 7.5; 12; 25 and 30 volts. Primary is tapped for 105; 115, and 125 volts. 12" coded leads. Height 2⅝", depth 2", length overall: 4⅛". Mtg. centers 3⅝".

Stancor 30 Henry Filter Chokes



Guaranteed finest Quality. Silicon steel core. Carefully stacked laminations. 5" leads. Enameled steel frame.

3F4200—30 Henries, 50 MA. Dimensions: Core ¾"x¾", Height 2". Depth 1⅝". Length overall, 3⅛". Mounting hole centers 2⅛" Stancor type C-1003.
List, $1.25
YOUR PRICE ..... **73¢**

3F4201—30 Henries, 75 MA. Dimensions: Core ⅞"x⅞", Height 2½". Depth 1⅞". Length overall, 3⅜". Mounting hole centers 3⅛". Stancor type C-1002.
List, $1.55.
YOUR PRICE ..... **91¢**

3F4202—30 Henries, 110 MA. Dimensions: Core 1"x1", Height 2⅝". Depth 2". Length overall 4⅛" mounting hole centers 3⅝". Stancor type C-1001.
List, $1.85.
YOUR PRICE **$1.09**

Stancor Universal Output

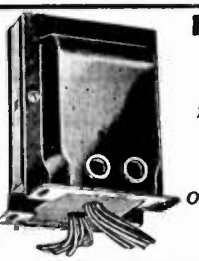
Designed to couple any power tube or push-pull output (except 2A3 and 50 tubes) to any voice coil load approximately 1, 4, 8, 15, or 30 ohms impedance. Instructions included. Size 1¼" x2"x2½" h l g h.

Mtg. Centers: 2⅜". Wt., 1½ lbs.
3F3925—List, $1.60.
YOUR PRICE ..... **94¢**

Stancor Universal Input

A companion transformer to the above output. A suitable replacement for either interstage, push-pull or straight Audio Amplification. Center-tapped secondary for input to grids of any Class A power tubes. For either AC or DC receivers. Size: 1¼"x2"x2½" high. Mtg. centers: 2⅜".
3F3924—List, $2.20.
YOUR PRICE **$1.29**

Fully Shielded Replacements



For 105-115 Volt; 50-60 Cycle Operation

Each shield is provided with two fibre grommets through which any or all leads may be brought out for wiring above the chassis. Insulated 6" leads out bottom. Rich baked black enamel finish. Diagram supplied. Tube combinations listed are merely suggested applications. Any combination may be used, provided the current ratings of the windings are not exceeded.

Dimensions

STANCOR	Width A	Depth B	Height C
P-1501	3½	3⅜	4½
P-1502	3¾	3⅜	4¼
P-1503	3⅜	3⅝	5¼
P-1504	3⅜	3⅝	5¼
P-1505	3⅜	3⅝	5¼
P-1570	3⅜	3⅜	4½

P-1501—9 to 12 Tubes

TUBES: 5-26's; 2-27's or 4-56's; 1 or 2-71A's; 1-80, 82, 83 or 5Z3.
SECONDARIES:
(1) 600 Volts, C.T. 60 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 1½ Volts, C.T. 1 Amp.
(4) 1½ Volts, 4 Amps.
(5) 2½ Volts, C.T. 4 Amps.
(6) 5 Volts, C.T. 1½ Amps.
3F3881—List, $4.40.
YOUR PRICE **$2.59**

P-1502—7 to 10 Tubes

TUBES: 5-27's, 24's or 9-56's; 1-45 or 47; 1-80, 82, 83, or 5Z3.
SECONDARIES:
(1) 700 Volts, C.T. 70 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 2½ Volts, C.T. 1¾ Amps.
(4) 2½ Volts, C.T. 9 Amps.
3F3882—List, $5.00.
YOUR PRICE **$2.94**

P-1503—11 to 13 Tubes

TUBES: 6-26's; 2-27's or 4-56's; 2-45's or 47's, 2A5's; 1-80, 82, 83 or 5Z3.
SECONDARIES:
(1) 700 Volts, C.T. 120 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 1½ Volts, C.T. 1 Amp.
(4) 1½ Volts, 6 Amps.
(5) 2½ Volts, C.T. 4 Amps.
(6) 2½ Volts, C.T. 3½ Amps.
3F3883—List, $6.25.
YOUR PRICE **$3.67**

P-1502—7 to 10 Tubes

TUBES: 5-27's, 24's or 9-56's; 1-45 or 47; 1-80, 82, 83, or 5Z3.
SECONDARIES:
(1) 700 Volts, C.T. 70 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 2½ Volts, C.T. 4 Amps.
(4) 2½ Volts, C.T. 9 Amps.
(5) 2½ Volts, C.T. 3½ Amps.
3F3885—List, $6.05.
YOUR PRICE **$3.56**

For 6.3 Volt Tubes

P-1570—7 to 10 Tubes

TUBES: For use with any combination of the new 6-3 volt tubes.
SECONDARIES:
(1) 700 Volts, C.T. 85 MA.
(2) 5 Volts, C.T. 3 Amps.
(3) 6.3 Volts, C.T. 3 Amps.
3F3886—List, $5.50.
YOUR PRICE **$3.23**

P-1504—8 to 12 Tubes

TUBES: 5-27's or 9-56's; 2-45's or 47's, 2A5's; 1-80, 82, 83, or 5Z3.
SECONDARIES:
(1) 700 Volts, C.T. 120 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 2½ Volts, C.T. 12½ Amps.
3F3884—List, $5.85.
YOUR PRICE **$3.44**

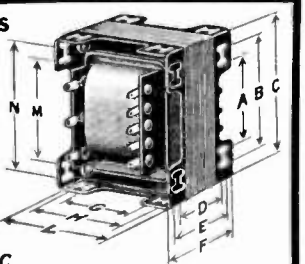
P-1505—10 to 16 Tubes

TUBES: 7-27's or 13-56's; 2-45's or 47's; 1-80, 82, 83, or 5Z3.
SECONDARIES:
(1) 700 Volts, C.T. 120 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 2½ Volts, C.T. 4 Amps.
(4) 2½ Volts, C.T. 9 Amps.
(5) 2½ Volts, C.T. 3½ Amps.
3F3885—List, $6.05.
YOUR PRICE **$3.56**

Universal Replacements

Equipped with Universal mounting brackets that allow for the greatest number of mounting hole centers. Tinned copper soldering lugs are mounted on heavy fibre strips. Carefully stacked laminations are firmly secured to frame at four points to entirely eliminate vibration. Durable rich baked black enamel finish. The tube combinations listed are merely suggested applications. Any combination of tubes may be used, provided current ratings of the windings are not exceeded. A diagram is enclosed with each transformer.

For 105-115 Volt; 50-60 Cycle A.C.



Bracket Dimensions

TRANS	A	B	C	D	E	F	G	H	L	M	N
P841 P844	2¹⁵⁄₁₆	3¹¹⁄₁₆	4½	2¼	3¾	4⅛	2 ⅛	3 ⅛	3¼	3⅛	4⅛
P848 P929 P930	2 ⅛	2¹⁵⁄₁₆	3¾	1⅞	2½	2⅜	1¹⁵⁄₁₆	2¹¹⁄₁₆	3⅛	2⅛	3⅛
P931	2¹⁵⁄₁₆	3¹¹⁄₁₆	4½	2¼	3½	3⅝	2 ⅛	3 ⅛	3¼	3⅛	4⅛

P-841

TUBES: 6-26's, 1-27 or 2-56's; 2-50's; 2-81's.
SECONDARIES:
(1) 1200 Volts, C.T. 150 MA.
(2) 7½ Volts, C.T. 2½ Amps.
(3) 7½ Volts, C.T. 2½ Amps.
(4) 2½ Volts, C.T. 2 Amps.
(5) 1½ Volts, C.T. 6.3 Amps.
3F3887—List, $6.90.
YOUR PRICE **$4.06**

P-844

TUBES: 6-27's or 10-56's; 2-50's; 2-81's.
SECONDARIES:
(1) 1200 Volts, C.T. 150 MA.
(2) 7½ Volts, C.T. 2½ Amps.
(3) 7½ Volts, C.T. 2½ Amps.
(4) 2½ Volts, C.T. 10½ Amps.
3F3888—List, $6.95.
YOUR PRICE **$4.09**

P-848

TUBES: 6-27's or 10-56's; 1 or 2-71A's; 1-80, 82, 83 or 5Z3.
SECONDARIES:
(1) 570 Volts, C.T. 70 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 5 Volts, C.T. ½ Amp.
(4) 2½ Volts, C.T. 10½ Amps.
3F3889—List, $4.35.
YOUR PRICE **$2.56**

P-929

TUBES: 6-26's, 1-27 or 2-56's; 1 or 2-71A's; 1-80, 82, 83 or 5Z3.
SECONDARIES:
(1) 570 Volts, C.T. 70 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 2½ Volts, C.T. 2 Amps.
(4) 5 Volts, C.T. ½ Amp.
(5) 1½ Volts, C.T. 6.3 Amps.
3F3890—List, $3.60.
YOUR PRICE **$2.12**

P-930

TUBES: 5-27's or 8-56's; 1-45 or 47; 1-80, 82, 83 or 5Z3.
(1) 700 Volts, C.T. 70 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 2½ Volts, C.T. 1¾ Amps.
(4) 2½ Volts, C.T. 8¾ Amps.
3F3891—List, $4.00.
YOUR PRICE **$2.35**

P-931

TUBES: 7-27's or 12-56's; 2-45's or 47's; 1-80, 82, 83 or 5Z3.
(1) 700 Volts, C.T. 110 MA.
(2) 5 Volts, C.T. 3 Amps.
OR 2½ Volts, 3 Amps.
(3) 2½ Volts, C.T. 3½ Amps.
(4) 2½ Volts, C.T. 12½ Amps.
3F3892—List, $5.15.
YOUR PRICE **$3.03**

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World Radio History

A Special Speaker Value

Best De Luxe 6½" Dynamic

3F10470—
List, $9.50.
EACH **$1.58**

TEN FOR $14.95

With Output Transformer For Single 47, 2A5, PZ, PZH, 79, 89, 33, 68, GA Tubes Field Resistance 2500 ohms.

Full size Genuine Best Dynamic Speaker Chassis. Rust-proof aluminum finish. Strong, rugged construction. Overall diameter 6½". Depth 2¾". Cone diameter 5⅝". Power handling capacity 3 watts. Power dissipation of fields 5 watts. One-piece moulded cone. The output transformer can be easily removed and another one substituted for operation of this speaker with other types of tubes than those specified above.

Permanent Magnet Dynamic

3F10492—6" diam., 3¼" deep. Voice coil impedance 3.5 ohms.
List, $5.58.
YOUR PRICE.. **$3.35**

3F10493—8" diam., 4½" deep. Voice coil impedance 4 ohms.
List, $7.65.
YOUR PRICE.. **$4.59**

3F10494—10" diam., 5¼" deep. Voice coil impedance 3.5 ohms.
List, $10.00.
YOUR PRICE.. **$6.00**

See listing of output transformers Page 48.

Fine quality reproducers designed and constructed by R.C.A. Capable of handling enormous volume with true fidelity and no distortion. Require no field current. Specially suitable for extension speakers on public address systems. Used by R.C.A. in battery receivers and in centralized sound installations. Pressed steel frames. Excellent quality heavy permanent magnets. Entire assembly is coated with a silver lacquer.

Speaker Field Coils For APEX, GLORITONE U. S. Radio Television and Montgomery Ward Sets

High grade coils. Wound more accurately and impregnated more thoroughly than the originals. The complete specifications given below assure you of receiving exact coil needed.

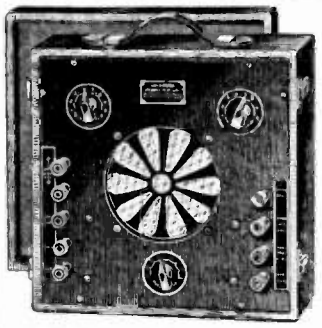
YOUR PRICE **$1.47**

Set Model	Fact. Spkr. No.	Our Stock No.	Resist. Field Ohms	Dimensions Inches I.D.	O.D.	L.
20	2714	7900	5,935	1	2¼	⅞
26	2286	*7901	11,500T	1¼	2⅝	1⅛
26A	2467	*7902	11,500T	1	2¼	1¾
26P	2758	*7903	11,500T	1	2¼	1¾
26P	2925	*7904	11,500T	⅞	2¼	1
26P	3261	7905	1,000	⅞	2⅛	1⅛
27	1936	7906	11,000	1¼	2⅛	1⅛
32	2505	†7907	700	1	2¼	1¾
8A	2801	†7908	6,600T	⅞	2¼	1
10B	2802	7909	6,600T	1⅛	2¾	1⅜
99A	3261	7910	1,000	1⅜	2¼	1⅛
31		5694	2,500	1⅜	2⅞	2⅞
24		5695	2,500	1	2⅜	4
46		5696	2,500	1¼	3	3
54		5697	2,500	1¼	2⅜	⅞
7A		3J7171	650	1⅜	2⅜	1⅜
600		*3J7172	9,600T	1⅜	3	⅞
10C		3J7173	5,000	1⅜	2⅜	1⅜
47		3J7174	2,250	1⅜	2⅜	2⅞
12B		3J7175	2,500	1¼	3¼	2¼
41		3J7176	2,250	1⅜	2⅞	3
19		*3J7177	1,350T	1⅜	2⅜	1¾
120		†3J7178	7,600T	1¼	3	1⅜

*Tapped at 2400 ohms. †Tapped at 3000 ohms.
°Tapped at 450 ohms.

You Can Depend on Radolek

Radolek makes same day shipments of all cones and field coils listed and can give you twenty-four hour service on any field coils or cones not listed.
See pages 42 and 43.



New Dynatest Speaker

- Tests all radio chassis without their speakers.
- Determines whether set or speaker is at fault and eliminates blindly removing both chassis and speaker.
- Matches any output tube combination. Either single, push-pull, parallel, Class A or Class B.
- Three rotary switches select the proper field resistance, output impedance and voice coil transformer.
- Handling capacity of 5 watts continuously and from 8 to 10 watts for testing purposes.

3F10499—Complete Unit in portable case.
List price, $22.50.
YOUR PRICE..... **$13.23**

3F10497—Laboratory Model without cover or handle.
List Price, $21.50.
YOUR PRICE **$12.64**

3F10498—Panel Only Completely Wired.
List Price, $19.60.
YOUR PRICE **$11.51**

Output and Voice Coil Impedances

One variable switch is used to adjust the Dynatest speaker so that it will operate with any combination of output tubes and the other permits operation with voice coils of from 1 to 16 ohm impedance. Complete Unit is housed in a 12x12x8 inch leatherette covered case. Binding posts are so arranged that straight wire leads or plug tips may be used. Engraved indicating plates.

Field Resistances

A heavy duty dynamic speaker having an oversized field housing containing a multiple field tapped at 650, 1000, 1500, 2000, 2500, 3000, 5000 and 11,000 ohms with special taps at 300 and 2500 ohms. By means of a variable switch anyone of the fields can be brought into the circuit. Meets the requirements of more than 90% of the sets in service.

Color Coding Enamel

3F2072—
Your Price, Complete .... **29¢**

For color-coding coil forms, jacks, sockets, terminal blocks, etc. Five ¼ oz. screw top bottles: Green, Blue, Yellow and Red, together with bottle of thinner. Four brushes are supplied.

New Air Drying Black Crystallizing Lacquer

No Baking or Heating Required

3J2472—2 oz. can
YOUR PRICE ..... **21¢**

3J2473—Pint can
YOUR PRICE **$1.47**

Gives any metal a professional crystalline (crackle) finish. Makes repair jobs look new. Easy to work with—just paint the panels and let it air dry. Dries in twenty minutes.

Cement for Bakelite Glass or Metal

3F2069—
YOUR PRICE, PER CAN **21¢**

Made for sticking Bakelite to Bakelite, glass, metal parts, etc. For cementing loose inserts, moldings, tube base, caps, etc. Finds many uses around the shop. Generous supply in metal can with directions.

Furniture Scratch Remover

3F2068—List, 50c.
YOUR PRICE ..... **30¢**

Just a touch of stain with the brush and the scratch disappears forever. Always ready for use, suitable for any color finish. Indispensable in Radio store, for touching up minor scratches and defects. Packed in permanent case, easily carried in the vest-pocket.

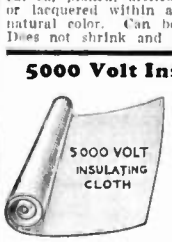
Ray-O-Vac Phix

For Filling Cracks and Holes in Radio Cabinets

3F2302—½ lb. can.
YOUR PRICE ..... **25¢**

For filling holes or cracks in radio cabinets, for restoring carved or ornamental wood. For use with wood, bakelite, metal, stone, cement, plaster, etc. Mixes quickly with a little water—sets within a few minutes. Can be sawed, carved, planed, drilled, sanded, painted, varnished or lacquered within a few hours. Prepared in a natural color. Can be used for reseating screws. Does not shrink and is non-inflammable.

5000 Volt Insulating Cambric



3J2070—Roll of 200 square inches.
List price, 50c.
YOUR PRICE..... **29¢**

For insulating and preventing grounds and shorts on field coils, transformers, resistors, condensers, wires, etc. Will safely withstand up to 5000 volts. A dry cambric.

Speaker Centering Shims

3E7970—
Your Price, Per Kit..... **36¢**

For centering and adjusting cone in pole piece of speaker. Insure simple, positive,—spacing and centering for Voice Coils and Armatures. Makes Speaker Repairs and replacements easier to handle. Kit includes four of each size shims in following thicknesses—.005", .0075", .010", and .0125". Shims are made of very flexible celluloid. Each size shim is distinctively colored to denote its thickness. Packed in a convenient case with a separate compartment for each size.

Paper Rings and Felt Strips

For Mounting Speaker Cones

3E7971—
Your Price, Per Set **29¢**

An assortment consisting of 9 rings and 9 pieces of felt 6" long and ¼" thick. One each of the following sizes: 5", 6", 7", 8", 9" 10", 11", 12" and 13" outside diameters. A great time saver and convenience for any serviceman. An absolute necessity in mounting of speaker on cabinet or baffle.

Radio Repair Cement

For Speaker Cones, Anchoring Wires Etc.

3E2066—
YOUR PRICE, Per Set **34¢**

Extensively used by leading Radio Manufacturers for cementing speaker cones and voice coils, anchoring R.F. coil wires, etc. Waterproof. Makes extra strong durable joint. Ready for use. Sets almost instantly. Generous size metal can will last for months. Easily carried in kit without danger of breakage. Brush for applying and can of thinner included. Thinner is also useful for loosening cemented wires and removing voice coils.

Cone Cement

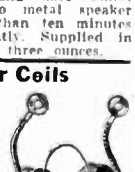
In Handy Metal Tube

3J2064—
YOUR PRICE ..... **24¢**

For cementing cloth and fibre cones, paper rings or felt to metal speaker frames. Dries in less than ten minutes and will hold permanently. Supplied in a metal tube containing three ounces.

Magnetic Speaker Coils

for RCA R-100, 30, and Western Electric 540AW Magnetic Speakers



3E7968—
Your Price, Per Pair **25¢**

Exactly duplicate the original coils physically and electrically. Total Resistance 1500 ohms. Size 21/32" Outside diameter with ⅜" hole. Thickness ⅜". See Figure 52, Page 43, Gernsbach Manual Vol. 1.

For RCA R-100A, 100B and 103

D.C. resistance 1200 ohms. Size of each coil, 1¼" outside diameter, ¾" hole diameter, ¼" thickness. For Speakers used in RCA Models 30A, 50 and 51. For use with any Speakers using this same size coil.

3E7969—
YOUR PRICE, PER PAIR ..... **29¢**

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REPLACEMENT SPEAKER CONES

(Continued from opposite page)

Set, Spkr Mod or Part Num.	Dia In.	Stock No.	Your Price
RCA (Continued)			
Pt. 9539, Models 135B, 235B (RCA R71)	7½	11590	$0.59
Pt. 9588, Model 103, (RCA R37)	6½	11683	.59
Rola			
F4	5	11663	.88
F6A	6	11684	1.03
F5	6¼	11593	1.03
G12	12	11625	1.71
Series F6, F8	8	11594	1.18
(Old Model "J") D90, D110	9½	11595	1.62
Series "K"	8	11592	1.47
K7	9	11688	1.62
F5B	6½	11689	1.03
Silver Marshall			
A, B, C, D, E, FP, G, J, Q, Z, 726-S W, 773(Jensen D9)	11¾	11521	1.62
C, 33A, 34A, 35A, 36A, 40, 41, 30, 1021(Jensen D8)	11¾	11531	1.71
850, 751(Rola J)	9½	11595	1.62
30(Rola J)	9½	11595	1.62
or(Symington)	10	11664	1.47
782(Jensen D12)	8½	11541	1.41
Silvertone (Sears-Roebuck & Co.)			
Model 175	10	11789	1.47
111, 1322 (Sym.)	10	11790	1.47
111, 1124, 109(Sym) 376, 1404, 1580, 1582, 1586, 1588, 1589, 1650, 1670, 1590, 1592 (Colonial 37)	12¼	11791	1.70
	10	11660	1.47
1640, 1652, 1722, 1732, 1722X, 1732X, 1721, 1726, 1726X, 1822, 1831 (Colonial 71)	11½	11792	1.62
1597, 1598, 7050, 1722, 1732, 1705, 1720, 7065, 1708, 1709, 1750, 1715, 1760, 1708A, 7118 (Colonial 96)	7⅜	11793	1.32
1709, 1704, 7075, 7076, 7077, 7078, 7091, 7093, 7094 (Colonial 153)	4¾	11794	.88
Simplex			
(N.E.)	6	11631	1.18
(Peter Smith)	6	11691	1.18
Sparton			
737, 931, 89A, 99, 101, 109, 110, 11, 301, 589, 591, 593 740, 750, 930(Magnavox D7)	9	11550	1.62
737, 921(Jensen D7)	11¾	11531	1.71
600 Series(Jensen D 15)	8¼	11529	1.32

Set, Spkr Mod or Part Num.	Dia. In.	Stock No.	Your Price
Sparton (Continued)			
610(Magnavox 138)	8½	11525	$1.47
410	7¾	11592	1.47
Steinite			
(All Models)	10	11597	1.70
Stewart Warner			
200A, 445A, 565A, (2 Pt. Spider)	9	11598	1.62
445A(3 Pt. Spider)	9	11599	1.62
104A	8	11600	1.47
Stromberg Carlson 40A	10	11693	1.47
10, 11, 12, 14, 19, 20, 25, 26, 27, 641, 642, 846	12	11694	1.70
Symington			
LL18	10	11690	1.47
Speaker LL18	12¼	11621	1.70
Temple			
Auditorium Spkr.	14	11697	2.35
U.S. Apex (Gloritone)			
26, Speaker 2286	8½	11603	1.18
26A Speaker 2467	8	11604	1.18
26P Speaker 2758	8	11605	1.18
26P Speaker 2925	8	11606	1.32
26P Speaker 3261	8	11607	1.32
27 Speaker 1936	8½	11608	1.18
8A Speaker 2801	8	11609	1.32
99A Speaker 3261	8	11607	1.32
7	7¾	11509	1.32
31	11½	11508	1.70
5A	6	11633	1.32
Utah			
Cub(2Pt. Spider)	6	11633	1.18
Cub(3 Pt. Spider)	6	11613	1.18
Lge. Cub No. 2 (2 Pt. Spider)	7¾	11509	1.32
Lge. Cub No. 3 (3 Pt. Spider)	7¾	11523	1.32
Little Giant No. 1 (Inside Spider)	7¾	11507	1.18
Little Giant No. 3 (3 Pt. Spider)	7¾	11506	1.32
A-100, 0200	9	11617	1.62
Stadium(66A-66B)	12	11508	1.70
P10	8½	11698	1.18
Isodyne, 700, 749	8	11507	1.18
D-200(A-100)	9	11617	1.62
Victor			
RE 32, 45, 75, 52	9	11618	1.03
RE 57, 34, 35(RCA 106)	10¼	11526	1.18
Westinghouse			
WR4, 5, 6, 7(RCA-106)	10¼	11526	1.18
WR10, 12, 15 (RCA 48)	10	11527	.88
Wright-Decoster			
107	12	11631	1.70
207	12	11702	1.70
Zenith			
52, 72(LL18)	12¼	11621	1.70

FOR AUTO SETS Replacement Cones

Arvin-10(Operadio)	5	11635	$0 88
20 (Operadio)	6½	11713	1.03
Atwater Kent			
666	6½	11760	1.03
Clarion-AR100	5	11706	.88
Ford-(Maj. G24)	6	11678	.88
Ford (Zenith)	6½	11714	1.18
Gen. Elec., B40	5	11588	.59
Crosley 103, 167	6	11662	1.03
Majestic-66(G24)	6	11678	.88
Motorola 5T71, 6T12, 7T38, 7T47A (Jensen)	8½	11761	1.32
5T71, 6T12, 7T58, 88, 61 (Jensen)	8	11762	1.32
6T12(Jensen D14)	8½	11541	1.41
6T12 (Jensen J1)	6½	11526	1.18
88, 61 (W.D. 345)	8	11703	1.47
61, (W.D. 155)	6	11701	1.18
55, 77 (Mag. 150)	6	11556	1.18
77A, 77B	7¾	11715	1.32
44 (Utah 5D)	5	11710	.88
44 (Mag. 165)	5	11677	.88
Super 6 (Utah 6L)	6½	11760	1.18
34 (Quam)	5	11707	.88
Dual 6 (Jensen)	6½	11708	1.03
Twin 8 (Mag.)	8	11709	1.47
Philco 3(Pt.02996)	8½	11750	$0.53
5, 11, J (Nash, Stude), Hup., R (Chr., 6, Dodge, Ply.) (Pt. 02861)	5¾	11751	.38
6, 7, 8, 9, 10, 10-122, 12, 800, 800-122, Pad, PBD, C(Nash, Stude), C-122 (Stude.), D(Nash, Stude. Chr.), D-122 (Nash), E, G(Cry. 6, Ply., Dodge, Chr. Airf., Des. Airf., Hup.), H, H-122(Pt 36-3159)	7½	11752	.47
700, G-122(Chr. 6, Ply. Dodge, Chr. Airf., Des. Airf., Hup.) Q (Nash, Stude)(Pt. 36-3157)	7½	11753	.47
RCA-M34	5	11588	.59
Sentinel-600	6½	11713	1.03
510 (Quam)	6	11763	1.03
United Motors 4037(Rola F5B)	6½	11689	1.18
Wells-Gardner 052(Operadio)	5	11635	.88
Zenith-650	6½	11714	1.18
Jr. No. 7	5	11764	.88

REPLACEMENT SPEAKER FIELD COILS

Exactly duplicate the electrical and physical characteristics of the originals. Thoroughly impregnated. Will withstand extreme moisture. Resistance guaranteed accurate.

Field Coils Supplied for All Speakers

We can supply any field coil not included in these listings. When ordering coils not listed, give name and model number of both speaker and receiver, or send defective unit as a sample.

Set or Speaker	Field Ohms	Stock No.	Your Price
Airline (Mont. Ward)			
7-D	1,500	7154	$2.20
64	5,000	7155	2.35
62-72	12,500	7156	2.35
123	1,250	7157	2.47
326W	5,500	7158	2.35
Apex Gloritone (See complete detailed listing on following page).			
Atwater Kent 46, 53, 47(Speaker F2) Early, Late 55K	1,700	7911	3.53
(Speaker F4) Early, Late 55,60	1,100	7912	3.53
(Speaker F6) Early, Late 61, 66	700	7913	3.53
Bosch 48	2,400	7976	3.53
31	2,500	7977	2.35
5A	2,000	7978	2.35
Brunswick D11,12	2,400	7914	2.47
16	2,500	7915	2.35
15	600	7916	3.53
S14, S21	5,000	7917	4.70
S14	2,150	7979	3.53
S14	4,700	7980	4.41
15	1,610	7981	3.53
Crosley M45	350	7991	2.29
M45	1,500	7918	2.59
M45	2,500	7992	2.82
269	10,000	7919	2.35
158	8,500	7995	2.35
167	900	7996	2.06
249	2,500	7997	2.35
125	1,300	7998	2.06
Echophone S4	3,000	7999	2.35
Edison	4,500	7920	3.88
Erla 510	2,000	5640	2.06
Grunow 10A2	1,450	7159	1.91
5A	1,850	7160	2.35
Jensen D4-D5	2,250	5641	2.59
D7-D8	1,500	7921	2.59
D7-D8	2,500	7922	2.94
D9-D15	550	5642	1.47
D9-D15	1,000	7923	1.53
D9-D15	1,650	5643	1.53
D9-D15	1,800	7924	1.53
D9-D15	2,500	7925	1.47
D10-D11	720	5644	1.47
D12-D14	2,300	5645	1.53
D16	1,000	7926	1.47
K1	2,500	5646	1.47
K2	4.2	5647	1.29
K2	2,500	5648	1.47
K3	3,200	5649	1.47
Kennedy 52A	2,500	5650	2.06
Lyric 9	5,000	7927	4.12
70, 73, 75	10,000	5651	2.65
Magnavox 9"(Med.)D7, D8	2,500	7928	3.82
9"(Med.)D7, D8	7,500	7929	4.41
Early Model	2,250	5652	3.73
126	4,000	5653	2.35
130	3,000	5654	2.35
138	2,500	5655	2.03
150	4,000	5656	2.35
154	2,500	5657	2.35
12"	2,500	5658	3.23
Majestic G1	3,100	7930	3.86
G2	2,730	7931	3.86
G3	2,730	7932	4.41
G4	7,650	7941	4.70
G5	7,650	7942	4.70
G6	1,000	7943	4.41
G7	1,250	7944	4.41
G8	1,250	7945	4.41
G9	1,250	7934	4.41
G10B	1,750	7935	2.35
G10C	200	7936	2.06
G10D	1,650	7937	2.06
G10E	765	7938	1.62
G11B	570	7939	1.94
G11C	1,430	7940	2.20
G13	570	7933	1.94
G13B	300	7947	1.94
G13C	570	5659	1.94
G14	750	7948	3.53
G14B	550	7949	3.53
G14C	5,350	7950	3.53

Set or Speaker	Field Ohms	Stock No.	Your Price
Majestic(Continued)			
G14D	720	7951	$2.94
G14E	5,350	7952	3.53
G14F	1,040	7953	3.53
G19B	520	5660	1.62
G19C	520	5661	1.62
G19F	710	5662	1.59
G19G	710	5663	1.59
G22A	970	5664	1.62
G22B	970	5665	1.62
G22C	2,200	5666	1.62
G22D	450	5667	1.47
G22E	970	5668	1.85
G26A	1,100	7161	.82
G26C	2,600	7162	.82
G26F	980	7163	.82
Newcomb-Hawley	2,500	5698	3.82
Philco 14, 15, 91(Pt. 02803)		7778	1.59
20,21 (Pt.2768)		7779	1.18
43(Tw. Spkr.)44, 71(Tw. Spkr.) (Pt. 02767)		7780	1.59
50, 51, 52(Pt. 02942)		7781	1.32
54(Pt.36-3040)		7782	1.41
57(Pt. 36-3081)		7783	1.03
65, 76, 77, 86, 87, 95, 96, 111 (Pt. 2850)		7784	1.74
70, 70(A.V.C), 90 (With Spkr.), 470, 490, (Pt. 02987 coil only)		7954	1.18
80,81(Pt.02667)		7955	1.39
90(with Speaker) 112(Pt. 02988)		7956	3.52
RCA 46	2,500	5670	2.35
66	7,000	7958	2.79
106	550	5671	2.47
106	6,000	7959	2.94
41	500	5672	2.35
RC3	3,000	5673	2.35
Rola F4	3,000	7960	1.62
F5	1,800	5674	1.67
F6	2,500	5675	2.06
K	4,700	5676	2.35
K7	2,500	5677	2.20
Silver Marshall 30 (Jensen)	1,900	7164	2.59
Silvertone (Sears Roebuck) 110	900	5678	2.35
117	800	5679	2.35
1408	1,650	5680	2.65
1322	1,350	7165	2.20
1326	1,650	7166	2.35
Sparton 80	2,000	7167	2.35
600	5,000	7168	2.35
89A	5,000	5682	4.41
931	2,250	5683	4.41
Stewart Warner 950	10,000	7961	4.70
R202	10,000	7962	2.35
102A	1,500	7169	3.53
205A	1,000	7170	3.53
Symington 10"	2,500	5684	2.76
12½"	2,500	5685	2.76
LL18	2,800	5688	2.94
TCA (Clarion) 51, 53, 55	800	7966	2.65
80, 81, 90, 91, AC 94, 25-94, AC60, 100, 160	800	7967	2.20
220, 240,241	800	7972	1.91
320	1,200	7973	1.91
340	1,200	7974	1.91
Temple (All Models)	2,250	5689	4.12
Utah 9", A-100	2,250	7963	3.53
Little Giant (Isodyne)	2,500	7964	2.00
Stadium 66A	2,500	5690	4.41
Victor RE32-45-75	3,000	7965	2.84
Zenith 52	2,500	5692	3.82
103	2,300	5693	4.17

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World Radio History

REPLACEMENT SPEAKER CONES
VOICE COIL ASSEMBLIES

For Majestic
Speakers G1, G2

One piece moulded, seamless fibre. The original part in these Speakers is of heavy paper and does not provide reproduction at all comparable with that of these replacements. Make the change and note the improvement.

4F11560—For G1
4F11561—For G2
YOUR PRICE, EACH..... 84¢

Improved DeLuxe
VICTOR Cone
For RE32, 45, 57, 75

Made of reinforced one piece fabric, coated with metalized lacquer. Apex is double reinforced, a feature not used in the original. Bakelite voice coil bobbin with 4 layers of precision wound wire Far superior to the original part.

4F11618—
YOUR PRICE, EACH ..... 74¢

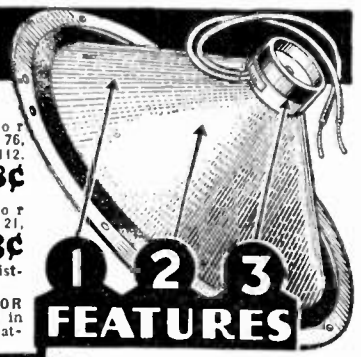
For Philco

4J11726—For Models 87, 65, 95, 76, 96, 77, 40, 111, 90, 112.
YOUR PRICE ..... 68¢

4J11722—For Models 90, 3, 7, 20, 21, 70.
YOUR PRICE.. 53¢

See listing below for a Complete Listing of Philco Cones.

WE CAN FURNISH CONES FOR ANY SETS NOT LISTED: Send in your old cone with voice coil attached.



1— *One-piece seamless cones.*

2— *Due to improved molded construction, these cones surpass the originals in tone quality and durability.*

3— *Coils are machine wound, same number of turns and size of wire as originals.*

Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price
Airline			
(Mont. Ward) 28-22; 28-95; 10,000; 6200; 14,000 (Utah A100)	9	11617	$1.62
15,000	8½	11603	1.18
1800; 14, 11	8½	11608	1.18
1238, 1838, 13, 15, 16, 18 (Utah Large Cub No. 2)	7¾	11509	1.32
2955, 3065 (Utah Stadium)	12	11508	1.71
52, 45, 47, 70, 72, 84, 94, 79, 49, 76 (Utah Large Cub No. 3)	7¾	11523	1.32
360(Magnavox 130)	8½	11551	1.47
24 (Jensen D 15)	8½	11529	1.32
1420 (Utah Cub 2 pt.)	6	11633	1.18
89, 24 (Jensen D9)	11¾	11521	1.62
62, 43, 078 (Oxford)	6	11634	1.03
96, 98, 104(Operadio)	5	11635	.88
33-25; 62,000 11,000; 33-35 (Utah Little Giant No. 1)	8	11507	1.18
2955 (Jensen D8)	11¾	11531	1.71
AE10 (Oxford)3 pt.	10	11632	1.47
33-35(Rola F6)	8	11594	1.18
Atwater Kent			
43, 46, 55, 60, 66, 67, 64, F4, (Pt. No. 1542)	10¾	11500	1.18
43, 46, 55, 60, 66, 67, 64, F2(Pt. No. 14374)	10¾	11501	1.18
80, 82, 84, 558, 627 87, 90, 92, 87, Early 83, 85(Pt. No. 19465)	8¾	11502	1.03
H2, L, F, P, H(Pt. No. 18081)	10¾	11503	1.18
77, 88, 89, 94, 96, 469, Late 83, 85 (Pt. No. 20737)	10¾	11504	1.18
Best D5	5	11578	.97
D45	5	11765	.97
D65	6	11555	1.15
Bosch			
48, 58	9¾	11510	1.62
31, 73, 20J	9¾	11511	1.62
5A, 39A	7	11512	1.18
7, R9, 36A	7	11642	1.18
29A(Magnavox D7)	9	11550	1.62
Brunswick			
10 (Clarion 60)	8¾	11514	1.47
D, 11, 12	9	11516	1.47
16, 18, 33, 17, 24, 25	12	11517	1.71
S81, S82, 81, 82, 21, 31, S21, S31	12	11519	1.71
S14, 14	12	11645	1.71
Clarion			
60, 80, 81, 85, 90, 91 100, 120, 25-60	8¾	11514	1.47
51, 53, 55, 25-51, 25-53, 25-55	12	11648	1.62
220, 260, 25-260	6	11515	1.18
240, 241, 280, 25-240; 25-280	8	11650	1.41
320	6	11652	1.18
100	8¾	11655	1.47
480	10	11656	1.62
Crosley			
M45, 262, 428, 628, 408, 308, Dynacone	9	11520	1.47
124(Utah Lge. Cub, No. 2)	8	11509	1.32
124 (Jensen D9)	11¾	11521	1.62
124(Magnavox 144)	7½	11522	1.32
125(Utah Lge. Cub, No. 3)	7¾	11523	1.32
127(Jensen D9)	11¾	11521	1.32
148	6½	11613	1.18
249(Magnavox 138)	8½	11525	1.47
269 (Buddy Boy)	8½	11551	1.47
167	6½	11662	1.03
Everready			
30,40 (Magnavox D7)	9	11550	$1.62
50	10	11664	1.47
Fada			
Deep, 20, 32, 25, 15, 151, 15C	8½	11627	1.62
KU45, 65, 41, 412, 42, 422, 44, 46, 47	10½	11628	1.70
General Electric			
T41, H31, H51, H34, H72, 822, S132, K62, S42B, (RCA 106)	10¼	11526	1.18
J80, J85, J75 (RCA 48)	10	11527	.88
B40, 65	5	11588	.59
General Motors			
120 (Rola "J")	9½	11595	1.62
"Little General" (Rola "K")	7¾	11592	1.53
Graybar Electric			
GB678, GB700, GB770, GB900; GB100,(RCA 106)	10¼	11526	1.18
GB8, GB989, GB9 GB7, GC14, GC13 GT8, (RCA 48)	10	11527	.88
GT8-56(RCA R71)	7½	11590	.73
Grunow			
801, 701, 752, 751, 753, 671, 1152, 1162	10	11766	1.62
7A, 700	8	11767	1.47
501, 550,(Utah 5D)	5	11710	.88
500, 504	6	11768	1.18
650, 651, 750, 661, 670	8½	11769	1.47
450, 660, 662	7¾	11770	1.32
901, 902, 1101	12	11771	1.70
1151, 1161	12	11772	1.70
Jensen			
D4, D5	9½	11530	1.71
D7, D8	11¾	11531	1.71
D9(Outside Spider)	11¾	11532	1.71
D9(Inside Spider)	11¾	11521	1.62
D15	8¼	11529	1.32
D16	8	11534	1.32
DA5, DA6 Aud.	13	11535	2.94
DA7 Aud.	13	11773	2.94
J1, J2	6½	11536	1.03
343, T3	5	11537	.88
D19 Short 3 pt. Spider	10	11538	1.62
D19 Long 3 pt. Spider	10	11774	1.62
D19 Inside Spider	10	11775	1.47
D12, D14	8½	11541	1.41
K1, K2	6½	11672	1.03
P.M. 1	8½	11542	1.32
Series "R"	8	11776	1.18
Series "R"	6	11777	1.03
Series "R"	5	11778	.88
Ortho-Dynamic	12	11779	1.76
Lyric D No. 9	10½	11545	1.47
S-7 (Jensen D15)	8¼	11529	1.32
S-6 (Jensen D15)	8¼	11529	1.32
S-8	8	11548	1.47
S-80	10	11549	1.32
Magnavox			
D7, D8, D6, 80, 90, 100	9	11550	1.62
130 Series, 136	8½	11551	1.47
130 Series, 138, 401	8½	11525	1.47
140, 144	7¼	11522	1.32
150	6	11556	1.32
195	5	11557	.88
Majestic			
G1—71, 72	9	11560	.84
G2—71, 72, 91, 92, 181	9	11561	.84
G3—90, 91, 93, 101, 102, 103	10	11562	1.18
G4—130	10	11563	1.18
G10B—151, 153, 154, 155, 156	7½	11569	1.18
G11B, G11C, 251, 253, 254, 201, 203 204, 211, 214	10	11570	1.41
Majestic (Continued)			
G13B, G13C, 353, 215	12	11571	$1.32
G19—291, 293, 294, 303, 304, 324, 314	10	11573	1.18
GJ16B—311(Jensen D16)	8	11534	1.32
G5, 131, 132, 233, 61, 63, 163,	12	11564	1.71
G6, 51, 52, 53	10	11565	1.47
G7, 21	10	11566	1.47
G24	6	11678	.98
G25—381(Pirate Chest)	5	11575	.82
G26A—411, 413, 411A, 413A, 371, 373, G26C "Best D5"—371	5	11577	.85
373	5	11578	.97
"Best D65"—331	6	11555	1.15
Newcomb-Hawley NH9(MagnavoxD7)	9	11550	1.62
Oxford			
Joy Kelsey Type Models 23	10	11580	1.47
Joy Kelsey Type	8	11679	1.41
23, 31, 59, 24	8¼	11579	1.41
2 pt. Spider(oval)	10	11581	1.47
23, 31, 59, 24	10	11632	1.47
70, 72, 67	12	11582	1.70
Auditorium	14	11680	2.35
Oxford (No. Chgo)	6	11634	1.03
Inside Spider	8	11681	1.18
2 pt. Spider	8	11636	1.32
Oxford Radio Co. (Chicago) 6A	6	11780	.88
Model 8A	8	11781	1.03
Model 11A	10	11782	1.18
Model 11MB	10	11783	1.18
Model Auditorium	14	11784	1.76
Model 12MB	11	11785	1.32
Philco Home Sets Philco 14, 15, 18, 19, 43, 47 (D.C.),71, 89, 91 (Part #36-3159)	7½	11719	.47
16, 17(Part #36-3061)	10	11721	.71
20, 21, 46(D.C.), 70 70 (A.V.C.), 90 (2-45's), 90(1-47), 90(2-47's), 470,490 (Part #02996)	8½	11722	.53
35(Batt.), 37(Batt.) 35, 37, 50, 51 (Pt. #02887)	8½	11724	.53
38(Batt.), 60 Part #36-3157)	7½	11725	.48
40(D.C.), 41(D.C.), 42(D.C.), 65, 76, 77, 87, 90(2-45's), 90 (1-47's), 90(2-47's) 95, 96, 111, 112 (2-45's), 112 (2-47's) (Part #36-3170	10	11726	.68
48(D.C.), 50, 51, 52 80, 81(Pt.#02861)	5¾	11727	.38
53(Part #36-3000)	5¾	11728	.32
54, 57, 58, 59, (Part #36-3029)	5	11729	.35
86 (Part #02935)	8½	11730	.88
Quam-Nichols			
2 pt. Spider	5	11707	.88
2 pt. Spider	6	11763	1.03
2 pt. Spider	8	11786	1.18
RCA-Victor			
104, 105	8	11585	1.18
Pt. 8558, Speaker 106, Models RE20, R34, R35, R39, R50, R55, RE57, RAE59, RAE79, R80, R82, R86	10¼	11526	1.18
RCA-Victor (Continued)			
Pt. 8601, Models 48, R6, R7, R7A, R7LW, R8, R9, R9DC, R10, R10DC, R11, R12, R14, R15, RE16, RE16A, RE17, RE18,RE18A,RE-19, R21, RO23 RAE26, CE29, R34, R42, R43DC RE73	10	11527	$0.88
Photophone Pt. 9023, M34, M105	14¾	11586	1.70
	5	11588	.59
Pt. 8987 Models R28, R28P, K22 R28EW, RE40, RE40P, 100, 101, 110, 111, 114, 115, M116, 300, 301	5	11682	.59
Pt. 8916, Models R78, CRD9AC, CRD9DC, RAE-84	10	11589	.97
Pt. 8921, Models R71, R71B, SWA-3, R24	7½	11590	.73
Pt. 8935, Models R74, R70, R73, R75, R76, R77, RE81, 128, 128E, 210, 211, 221, 223 224, 224E, 322, 322D	10	11591	.97
Photophone Pt. 10801, Model R32, R35, E35, RE45, R52, R75, E35, E52, RE-154, RE156	7½	11587	.88
	9	11618	1.03
Pt. 7236, Models R5, RX5, R-5DC (RCA R71)	7½	11590	.59
Pt. 7442, Model R4, (RCA R71)	7½	11590	.59
Pt. 7594, Models R17-M, R-27, (Mag.) (Mag. 5)	5	11787	.59
Pt. 7598, Models R-18W, R27, (Dyn.) (GE RL56)	6½	11666	.59
Pt. 8359, Model R-22, (RCA100)	10	11615	.82
Pt. 8829, Models M30, P31,(RCA R71)	7½	11590	.59
Pt. 8962, Model M32, (RCA71)	7½	11590	.59
Pt. 9869, Models RE80, AVRI, AVR-8A, R72, R73A, R75A, R90, R90P, 140, 141, 141F, 220, 222, 240, 242, 260, 261, 262, 280, 321, 327, 330, 331, 340, 340E, 341, 380 (RCA R74)	10	11788	.88
Pt. 8984, Model R-3B (RCA R71)	7½	11590	.73
Pt. 9432, Models R-510, R53B, 135B, 235B, 236B (RCA R74)	10	11591	1.09
Pt. 9471, Model 91B, 102, (Mag. 5 in.)	5	11619	.59

Continued on next page

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Dynamic and Magnetic Speakers

No Koil Dynamic Speakers

No Field Coil or Current

Due to a revolutionary discovery in the compounding of metals, we are now able to offer you a dynamic speaker that operates **absolutely independent of field excitation supplies.** An exceptionally fine unit for multi speaker P.A. installations in Schools, Hotels, etc. Also an ideal speaker for battery sets or as an extension speaker on A.C. sets. Performance superior to old style permanent magnet or Magnetic speakers. **Is fully equal to best quality Dynamic Reproducers using field current.** Non-Magnetic Metal Covering over magnet.

8 Inch Speakers

8⅛" dia., overall depth 3¹⁄₁₆". Voice coil will handle up to 5 watts power.

3J10425—With **Universal Output Transformer.** Matches all tubes single or push-pull.

3J10426—With 1000 ohms tapped at 500 ohms **line Output Transformer** for P.A. Installations.

List Price Each, $7.60.
YOUR PRICE **$3.72**

6 Inch Speakers

6½" Dia. Overall depth 2¾". Voice coil will handle up to 3 watts power.

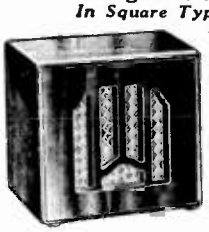
3J10427—With **Universal Output Transformer** matches all tubes single or push-pull.

3J10428—With 1000 Ohms tapped at 500 Ohms **Line Output Transformer** for P.A. Installations.

List Price Each, $7.00.
YOUR PRICE **$3.43**

Magnetic Speakers

In Square Type Cabinets



3F10534—Cabinet with 5" magnetic speaker fitted with 6' cord. 7" square by 4" deep.
YOUR PRICE .. **$2.18**

3F10535—Cabinet with 6" magnetic speaker fitted with 6' cord. 7" square by 4" deep.
YOUR PRICE .. **$2.35**

3F10536—Cabinet with 8½" magnetic speaker fitted with 6' cord. 9¼" square by 5" deep.
YOUR PRICE **$3.05**

Especially desirable where large coverage is required of a single speaker. A grille in the back cover on the cabinet also permits installation in walls where it is desirable to serve more than one room with a single speaker. Both the front and back grilles are of the same attractive design and are backed up with gold bronze silk cloth. Cabinets are sturdily constructed and reinforced with glue blocks. Base is fitted with felt mounting feet. Entire cabinet, including the back grille, finished in beautiful dark walnut.

With Volume Control

Speaker and cabinet exactly the same as above units except equipped with volume control and on-off switch. **Allows complete control of volume from minimum to maximum right at the speaker.** When volume control switch is turned off loading resistor is thrown across line to take place of speaker resistance so that **volume of other speakers on line will not be affected.** Particularly recommended for Multi-Speaker Public Address Installations in Schools, Hotels, Office Call Systems, etc., or as an extension speaker on any radio.

3J10537—5" magnetic speaker, cabinet and volume control unit completely assembled.
YOUR PRICE **$3.50**

3J10538—6" magnetic speaker, cabinet and volume control unit completely assembled.
YOUR PRICE **$3.85**

3J10539—8½" magnetic speaker, cabinet and volume control unit completely assembled.
YOUR PRICE **$4.55**

Speaker Grill Cloth

Especially constructed of good quality fabrics properly woven so as to enhance the accoustic qualities of the receiver. Colorful black and gold pattern. For use behind speaker grills.

3J2366—Supplied cut 12" x12".
YOUR PRICE, Each Piece... **18¢**

3J2367—Supplied any length. Width 52 inches.
YOUR PRICE, Per Yard..... **$1.39**

Miniature Speaker Cabinets

4F10488—
YOUR PRICE EACH ... **95c**
Ten for $13.50

Gothic design. Solid, rigid construction. Natural walnut veneer front in rich hand rubbed brown finish. Suitable for 5" Magnetic and Dynamic Speakers. Handsome appearance. Provides excellent baffle. Overall size 9" high, 7" wide, 3½" deep.

New Walnut Cabinet

For Magnetic or Dynamic Speakers
Takes any Speaker Not Over 8½" Diameter.
14F10481—Cabinet Only. List Price $3.50.
Your Price, Each **$1.40**
TEN FOR $13.50

Attractive new design cabinet. Genuine Walnut front and sides in rich warm walnut brown finish. Neat grille with fine, dark gold, figured, two tone grille cloth. Very strong and rigid yet light in weight. Veneer back cover drilled with six 1¼" holes makes for a finely finished job and insures best acoustic properties. Height 11", Width 10¾". Depth overall 6½". Screw holes omitted so that properly finished job can be made with any speaker.

8⅜" Magnetic Speaker

4F10450—
List Price $4.50.
Your Special Price, Each . **$1.79**
Ten for $17.90

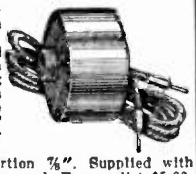
A highly efficient speaker that gives more volume on less energy input. Finest tone quality with true fidelity. Operates at peak with about 0.7 watts power input. Extra heavy magnet with balanced armature unit which is both mechanically and electrically centered. An ideal speaker for original installation in battery set or for use as an extra extension speaker in sets using dynamic speaker. Mounted in Walnut cabinets we supply, this speaker makes a very high grade installation on Hotel and P. A. jobs. D.C. resistance about 1000 ohms. Overall diameter 8⅜ inches. Depth 4⅜". Rigid steel frame with mounting holes in outer diameter.

Special 4½" Dynamic

250 Ohm Field, Voice Coil ⅝", 2 Ohms Impedance
4E10555—List Price $2.50.
YOUR PRICE, EACH **69c**
Ten for $6.50

The Smallest Satisfactory Dynamic Speaker Made. Three Point 2 inch micarta-spider-web voice coil support. Low resistance Hum-Bucking coil. Handles 1½ watt signal with surprising tone quality for such a small reproducer. Extends 2½" back of baffle. Output Transformer not included. Instruction sheet explains how to add this speaker to existing circuits without use of transformer, as a "second" or "high frequency accentuating" speaker. Low resistance field coil permits substitution of field in place of first filter choke in majority of receivers.

Balanced Armature Type Unit



A good quality aluminum diaphragm unit with a hardened steel magnet, constructed for rough hard usage. Suitable for use on 500 milliwatt output; should be used with an output transformer if more than 20 milliamperes of D.C. is liable to flow through its windings. Diameter of threaded portion ⅞". Supplied with a long double tipped phone cord. Former list $5.00.

3C2370—YOUR NET PRICE ONLY ..... **39¢**
TEN FOR $3.48

5 Inch Magnetic

4F10451—List Price, $2.50.
YOUR PRICE EACH **93c**
Ten for $8.85

Improved design. Midget type speaker. Sturdily built. Very fine tone qualities. Overall diameter 5⅛". Overall depth 2". Heavy pressed steel frame, cadmium plated. Heavy magnet with improved balanced armature unit. Bakelite strip with mounting lugs. Recommended as a replacement speaker in Midget A.C.; A.C.-D.C.; Battery Sets; for Hotel Room or other P.A. multi-unit installations; for extension speaker on any home or auto set. Handles about 1½ watts without blasting. D.C. resistance about 1000 ohms.

6 Inch Magnetic

Overall diameter 6". Same construction as 5" Size.
4F10454—List Price, $3.50.
YOUR PRICE, EACH **$1.35**
Ten for.....$12.50

Magnetic Speakers

In Gothic Design Cabinets

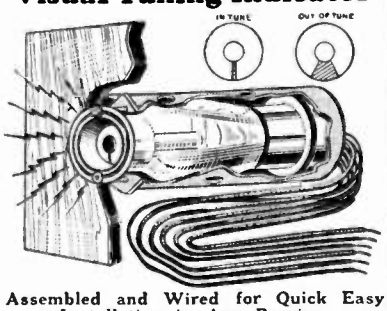
3F10532—Cabinet with 6" magnetic speaker securely mounted and fitted with 6' cord. Size overall 10¼" high, 8½" wide, 4¼" deep.
Your Price.. **$3.18**

3F10533—Cabinet with 8½" magnetic speaker securely mounted and fitted with 6' cord. Size overall 12½" high, 10" wide, 5" deep.
Your Price.. **$3.92**

The Cabinets, Solid rigid construction. Walnut finished veneer front and sides. The attractive grille backed with gold bronze silk grille cloth is in contrasting darker tone. Glue block reinforcement prevents warping or breakage. Felt mounting feet on base.

The Speakers, High quality magnetic reproducers of latest improved design. Sturdily built. Heavy pressed steel cadmium plated frames. Heavy magnets with improved balanced armature unit insure long life and dependable performance. Extra flexible diaphrams give true reproduction.

Electron Ray Visual Tuning Indicator



Assembled and Wired for Quick Easy Installation in Any Receiver

3J2548—Tuning Indicator complete with cable attached, escutcheon, instructions and diagram. Tube not included. List Price, $1.50.
YOUR PRICE **79c**

Servicemen! take advantage of the thousands of dollars that are being spent on advertising new **Magic Eye Tuning!** Sell and install the Visual Tuning Indicator on the many modern radio sets not already equipped with visual tuning. Replace troublesome meter types of indicators. **You can easily obtain from $5.00 to $10.00 for each installation.** Superior in performance to other types of tuning indicators. Entirely electrical in action hence eliminates possibilities of mechanical trouble. Extremely accurate and sensitive. Designed for sets using Automatic Volume Control but can be used on other sets by changing circuit to A.V.C. Only five connections are necessary. Diameter of Tuning Eye escutcheon 1½". Space required back of panel only 6". Mounts with only two screws. Compactness permits installation in any Table model or Console model receiver.

Tuning Eye Tubes

3J396—Sylvania 6E5, for sets using 6V. tubes.
3J335—Sylvania 2E5, for sets using 2.5V. tubes.
YOUR PRICE ..... **85¢**

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World Radio History

Dependable Quality — Dynamic Speakers — At Special Low Prices

6 Inch De Luxe

YOUR PRICE EACH **$1.55**

Less Transformer

New Design—
Superior Performance

Carries full output of any power tube delivering up to 4000 milliwatts. Inductive Shunt Hum Bucking device permits the use of the field circuit as part of the power pack filter system. Voice coil diameter, ⅞". Impedance 4½ to 6 ohms. Resistance 4 ohms. Field power 6 watts. Overall diameter 6¼". Depth 3⅝". Shipping weight 4 lbs.

Less Output Transformer

YOUR PRICE EACH **$1.55**

Ten for.....$14.20

Stock Number	Field Ohms	Stock Number	Field Ohms
14E10500	1000	14E10503	1800 tapped at 300
14E10501	2000		
14E10502	2500	14E10504	4 ohms for 6 volt

With Universal Output Transformer

Taps on transformer provide for matching speaker to any combination of output tubes. Order field Resistance wanted by stock numbers.

YOUR PRICE EACH **$1.84**

TEN FOR $17.50

Stock Number	Field Ohms	Stock Number	Field Ohms
14E10500T	1000	14E10503T	1800 tapped at 300
14E10501T	2000		
14E10502T	2500	14E10504T	4 ohms for 6 volt

6 Inch Standard

Handles 4½ Watts Audio Output

Less Output Transformer

14E10565—2500 ohm 6 Watt Field.
YOUR PRICE EACH ..... **95¢**

With Output Transformer

14E10565T—2500 ohm 6 Watt Field.
YOUR PRICE, EA. **$1.39**

Specify type of tubes used and whether single or in push-pull.

A low cost good quality full dynamic speaker, strong rugged construction, voice coil and spider are aligned before cementing the cone in place, thereby assuring freedom from chatter usually found in competitively priced speakers. Voice coil diameter ⅞". Impedance 4½ to 6 ohms. D.C. resistance 4 ohms. Overall diameter 6⅛", 3⅜" depth. Weight packed, 3¼ lbs.

8 Inch Standard

Handles 7 Watts Audio Output

Less Output Transformer

14E10570—2500 ohm 6 Watt Field.
YOUR PRICE EACH **$1.95**

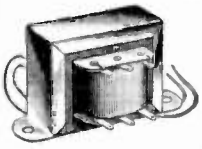
With Universal Output Transformer

14E10570T—2500 ohm 6 Watt Field.
YOUR PRICE EACH **$2.25**

Taps on transformer provide for matching speaker to any combination of output tubes.

This 8½ inch Standard quality Dynamic makes a suitable replacement for the majority of five and six tube, single or push-pull, midget radio sets. The voice coil impedance is 4½ to 6 ohms. Resistance 4 ohms, diameter of voice coil ⅞". Speaker is 4¾" deep. Shipping weight 5¼ lbs. Special size field coils of less than 3000 ohms can be supplied on order for 50c each extra.

Universal 500 Ohm Line Matching Transformer



3E4140—
YOUR PRICE EACH ..... **74¢**

A flexible means of coupling 1 to 6 speakers to a 500 ohm Amplifier Output Circuit. Tapped secondary permits matching ratios within limits of 1 to 6 speakers, of 6 ohm impedance to a 500 ohm line. This transformer is the correct size for all speakers in this catalog having an impedance of approximately 6 ohms and voice coil capacity of 6 watts or less. The Chart gives the taps which may be used to match 3, 6, 9 and 12 ohm impedance circuits to a 500 ohm line. Instructions for connecting included with each transformer. See chart on page 104.

8½ Inch De Luxe

YOUR PRICE EACH **$2.35**

Less Transformer

Brilliant Highs—
Rich Bass Tones:

A splendid overall performance characterizes these speakers. For use with single or push-pull power tubes delivering up to 6000 milliwatts audio input. New Inductive Shunt Hum Bucking device eliminates effect of A.C. ripple current in speaker filter system of A.C. Radio. Voice coil diameter ⅞". Impedance 4½ to 6 ohms. Resistance 4.2 ohms. Field power 8 watts. Overall diameter 8½". Depth 4¾". Shipping weight 5½ lbs.

Less Output Transformer

YOUR PRICE EACH **$2.35**

Ten for.....$22.30

Stock Number	Field Ohms	Stock Number	Field Ohms
14E10520	1000	14E10523	1800 tapped at 300
14E10521	2000		
14E10522	2500	14E10524	4 ohms for 6 volt

With Universal Output Transformer

Taps on Transformer provide for matching speaker to any combination of output tubes. Order field resistance wanted by stock number.

YOUR PRICE EACH **$2.69**

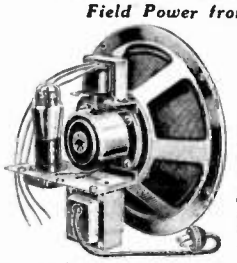
Ten for.....$25.50

Stock Number	Field Ohms	Stock Number	Field Ohms
14E10520T	1000	14E10523T	1800 tapped at 300
14E10521T	2000		
14E10522T	2500	14E10524T	4 ohms for 6 volt

NOTE: Field Coils of resistance other than stock sizes quoted can be supplied for 50c extra.

A.C. Dynamic Speakers

Field Power from A.C.



Line using an 80 tube. Inductive Shunt Hum Bucking device eliminates hum of old style A.C. Dynamic Speakers. 2500 ohm field. Voice Coil diameter ⅞". Impedance 5 to 7 ohms. Resistance 4.2 ohms. Handles 6000 milliwatts audio power. Field rectifier operates on 115 volt, 60 cycle A.C. Overall Diameter 8½". Depth 4¾". Type 80 tube not included. Shipping weight 8¾ lbs.

8½" DeLuxe A.C. Model

14F10575—Less Output Transformer
YOUR PRICE **$5.40**

14F10575T—With Universal Output Transformer
YOUR PRICE **$5.68**

11" De Luxe A.C. Model

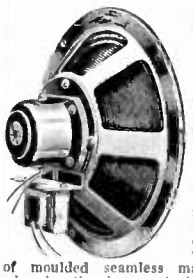
11" overall diameter, 6" depth. Shipping weight 10 lbs. Electrical specifications same as above but responds to deeper tones better than 8½" Model.

14E10577—Less Output Transformer
YOUR PRICE **$6.45**

14F10577T—With Universal Output Transformer
YOUR PRICE **$6.93**

11 Inch De Luxe

For 6 Watt Output With 8 Watts in Field



YOUR PRICE EACH **$2.95**

Less Transformer

The 11 Inch DeLuxe Speaker is designed for superior tone quality, great volume, portability and high efficiency. It is particularly suited to ballrooms and small theater installations where a well rounded tone is necessary to accommodate the acoustics of undraped walls and constantly changing aborption factors. Extra strong cone of moulded seamless material supported at the edge by the heavy steel frame and at the apex by a special resilient spider. Inductive Shunt Hum Bucking device is an integral part of this speaker. Voice Coil diameter ⅞". Resistance 4.5 ohms. Impedance 5 to 6 ohms. Full 6 watt carrying capacity. Overall diameter 11". Depth 5⅛". Shipping Weight 6½ lbs. A portable housing or large baffle should be employed with this speaker to properly reproduce low notes.

Less Output Transformer

YOUR PRICE EACH **$2.95**

Ten for.....$28.00

Stock Number	Field Ohms	Stock Number	Field Ohms
14E10540	1000	14E10543	2500
14E10541	1500	14E10544	3000
14E10542	2000	14E10545	6 V. 4.

With Universal Output Transformer

Taps on transformer provide for matching speaker to any combination of output tubes.

YOUR PRICE EACH **$3.40**

Ten for.....$32.50

Stock Number	Field Ohms	Stock Number	Field Ohms
114E10540T	1000	114E10543T	2500
114E10541T	1500	114E10544T	3000
114E10542T	2000	114E10545T	6 V. 4.

NOTE: Special values of field resistance less than 3000 ohms other than stock sizes can be supplied for 75c extra.

SPECIAL NOTE: Universal 500 Ohm Line to voice coil matching transformer listed below for these speakers.

New 5 Inch Speaker

YOUR PRICE EACH **$1.32**

Ten for $13.80

With Self-Adjusting-Ratio Coupling Transformer.

4E10560—2500 ohm field, 3 watts.
4E10561—3000 ohm field, 3 watts.

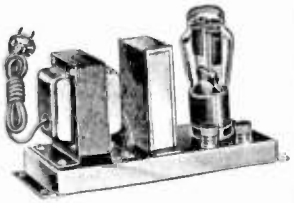
4E10562—6 volt, 4 ohms, 9 watts.

For use with tubes rated to deliver less than 3000 milliwatts output. The correct size for many of the new "Cigar Box" sets and Auto Radios. New Style construction assuring freedom from chattering. The Self-Adjusting-Ratio Output Transformer employs a special damping design which makes impedance matching non-critical. The following single output tubes operate properly with this transformer; 38, 41, 42, 43, 45, 47, 2A5, 71A and 89 triode. Voice coil resistance, 3 ohms. Impedance 3.5 to 4 ohms. Overall diameter 5", depth 2¼". Shipping weight 2½ lbs.

FIELD EXCITER UNIT

For Excitation of D. C. Speaker Field from

110 Volt 50-60 Cycle A. C. Line



Rectifies 110 volt, 50-60 cycle A. C. to 110 volt D. C. Supplies 15 watts of filtered direct current for field excitation of any 110 volt D. C. speaker having field resistance between 1000 and 3000 ohms. Uses type '80 rectifier tube. Unit includes power transformer, filter system and tube socket. Mounted on cadmium plated steel base. Size overall, 9" long, 3½" wide, 4½" high. 6 foot cord and plug for A. C. line connection. Binding posts for speaker connection.

3F4000—Less Tube.
YOUR PRICE **$2.94**

World Radio History

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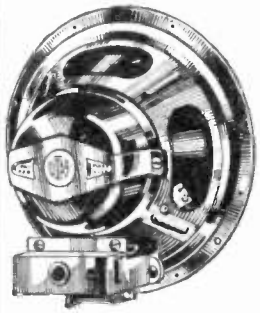
UTAH Dynamic Speakers



Finest Quality for radio receivers or public address installations. When speaker is ordered with output transformer be sure to specify type of output tubes used and how they are connected.

Have extra large field pots which bring out the utmost in the diaphragms and provides marvelous fidelity of tone at high as well as low volume. Cadmium finished steel frames. Moulded ribbed diaphragms of special impregnated composition. Pdf., 9 watts. Voice coil diam. 1". Imp., 6 ohms. Pwr., 10 watts (8" Spkr. 8 watts), Res., 4.7 ohms.

8 Inch Speaker

Diameter 8". Overall Depth 4⅛".

Less Output Transformer

4E10250—2500 ohm field
4E10251—1500 ohm field
4E10252—1000 ohm field
List Price, $5.65. YOUR PRICE **$3.32**

With Output Transformer

4E10250T—2500 ohm field
4E10251T—1500 ohm field
4E10252T—1000 ohm field
YOUR PRICE **$3.82**

10 Inch Speaker

Diameter 10". Overall Depth 4¾".

Less Output Transformer

4E10253—2500 ohm field
4E10254—1500 ohm field
4E10255—1000 ohm field
List Price, $7.50. YOUR PRICE **$4.41**

With Output Transformer

4E10253T—2500 ohm field
4E10254T—1500 ohm field
4E10255T—1000 ohm field
YOUR PRICE **$5.00**

12 Inch Speaker

Diameter 12". Overall Depth 6".

Less Output Transformer

4E10256—2500 ohm field
4E10257—1500 ohm field
4E10258—1000 ohm field
List Price, $9.00. YOUR PRICE **$5.29**

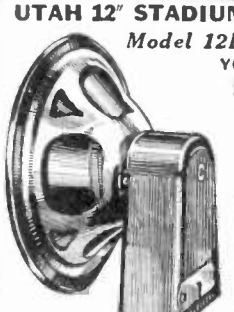
With Output Transformer

4E10256T—2500 ohm field
4E10257T—1500 ohm field
4E10258T—1000 ohm field
YOUR PRICE **$5.88**

UTAH 12" STADIUM SPEAKER

Model 12B (15 Watts)

YOUR PRICE **$6.61**



Less Ouput Transformer

Especially suitable for DeLuxe Console and Public Address Installations. Handles 15 to 20 watts input without overloading, with 10 to 12 watts in the field. Cadmium finished steel frame. Improved moulded diaphragm. Large size universal transformer, tapped to match any output tube combination. Diameter 12" overall height 12½", overall depth 6½". Field Res., 2500 ohms, Pdf., 12 watts. Voice coil diam. 1¼". Imp., 16 ohms. Pwr. 12 watts, Res., .8 ohm. For D.C. Field Power.

With Universal Output Transformer

14E10259—2500 field
14E10260—1500 field
14E10261—1000 field
List Price, $12.50. YOUR PRICE **$7.35**

With Universal 500 ohm Line to Voice Coil Transformer

(Permits use of 1 to 6 speakers on 500 ohm line).

14E10259T—2500 field
14E10260T—1500 field
14E10261T—1000 field
YOUR PRICE **$7.35**

Less Output Transformer

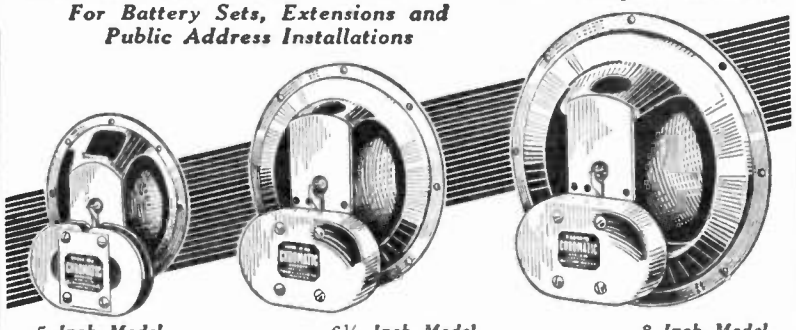
14J10296—2500 field
14J10297—1500 field
14J10298—1000 field
YOUR PRICE **$6.61**

Abbreviations Used

Pdf.: Power dissipation of field.
Pwr.: Power handling capacity of voice coil.
Imp.: Voice coil impedance at 400 cycles.
Res.: Voice coil resistance at 72° Fahr.
Diam.: Diameter of Voice Coil.

Radolek *Chromatic* "P. M." Speakers

For Battery Sets, Extensions and Public Address Installations



5 Inch Model
List, $4.00. YOUR PRICE..... **$1.59**

6½ Inch Model
List, $4.50. YOUR PRICE..... **$1.85**

8 Inch Model
List, $5.00. YOUR PRICE..... **$2.12**

New Advanced Design

Improved Construcion

True high fidelity dynamic tone quality. Uses no field current. No output transformers required. Handles full volume without distortion. For improving battery radios, use in sound trucks or as extra speakers on any radio or P.A. System which does not provide field current.

Specifications

Electrical and Physical

Chrome steel permanent magnets. Heavy laminated silicon steel armature. Phosphor-bronze flexible torque supports. No armature pivots to clatter or stick. 5 and 6 inch sizes will handle up to 2 watts, 8 inch size about 3½ watts. Depth of 5" speaker, 1¾"; 6½" speaker, 2¾"; 8" speaker, 3¼".

Specify Size and Impedance Wanted by Stock Number

5 Inch Speakers

4J10315—For High Imped. Tubes.
4J10316—For Med. Imped. Tubes.
4J10317—For Low Imped. Tubes.
List Price, $4.00. YOUR PRICE **$1.59**

6½ Inch Speakers

4J10318—For High Imped. Tubes.
4J10319—For Med. Imped. Tubes.
4J10320—For Low Imped. Tubes.
4J10321—For 500 ohm P.A. Line.
4J10322—For 1000 ohm P.A. Line.
List Price, $4.50. YOUR PRICE **$1.85**

8 Inch Speakers

4J10323—For High Imped. Tubes.
4J10324—For Med. Imped. Tubes.
4J10325—For Low Imped. Tubes.
4J10326—For 500 ohm P.A. Line.
4J10327—For 1000 ohm P.A. Line.
List Price, $5.00. YOUR PRICE **$2.12**

For correct selection of "P. M." speakers see listing of tubes according to High, Low, or Medium Impedances in center of page.

High Impedance Tubes

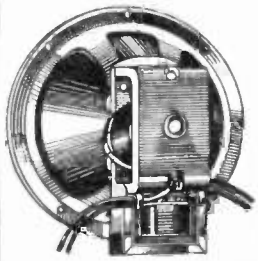
Types 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 46, 47, 79, 59, 89, 2A5, 6A4, LA, 6A6 in push-pull and single types 38, 49, 12A7. For any type of Output tubes in single or push-pull having a total primary load impedance of 12,000 to 18,000 ohms.

Medium Impedance Tubes

Types 43, 45, 71A in push-pull and single types. 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 43, 46, 47, 49, 59, 89, 2A5, 6A4, 6A6, 12A5, LA, GA, PZ. For any type of output tube in single or push-pull having a total primary load impedance of 7000 to 12,000 ohms.

Low Impedance Tubes

Types 48, 2A3 in push-pull and single types 43, 45, 59, 71A, 12A5. For any type of tube in single or push-pull having a total primary load impedance of 3000 to 6000 ohms.



UTAH 5" and 6" Dynamic Speakers

Excellent for replacement of speakers in radios or with small P.A. amplifiers. If transformer is desired specify output tubes used and how they are connected.

5 Inch Speaker

Diameter 5". Overall Depth 2⅝". Pdf., 5 watts. Voice coil diam. ⅝". Imp., 5 ohms. Pwr. 3 watts. Res. 2.7 ohms.

Less Output Transformer

4E10262—3000 ohm field
4E10263—2500 ohm field
4E10264—2000 ohm field
List Price, $2.90. YOUR PRICE **$1.71**

With Output Transformer

4E10262T—3000 ohm field
4E10263T—2500 ohm field
4E10264T—2000 ohm field
YOUR PRICE **$2.20**

6 Inch Speaker

Diameter 6". Overall Depth 3". Pdf., 7 watts. Voice coil diam. ¾", Imp., 3.8 ohms. Pwr. 6 watts. Res. 3.1 ohms.

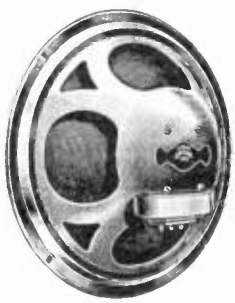
Less Output Transformer

4E10275—2500 ohm field
4E10276—1500 ohm field
4E10277—1000 ohm field
List Price, $4.40. YOUR PRICE **$2.59**

With Output Transformer

4E10275T—2500 ohm field
4E10276T—1500 ohm field
4E10277T—1000 ohm field
YOUR PRICE **$3.09**

UTAH ORTHOVOX "P. M." SPEAKERS



For Battery Receivers or for use as extra speakers on any Radio or P.A. System which does not provide field current.

Uses no field current and does not require output transformers. Delivers good volume without distortion. True dynamic tone quality. Chrome steel permanent magnets. Heavy laminated silicon steel armature. 5" and 6" sizes will handle up to 2 watts, 8" size about 3½ watts, 12" size about 6 watts.

5 Inch Speakers

4J10290—For High Impedance Tubes.
4J10291—For Medium Impedance Tubes.
4J10292—For Low Impedance Tubes.
List Price, $4.00. YOUR PRICE **$1.91**

6 Inch Speakers

4J10280—For High Impedance Tubes.
4J10281—For Medium Impedance Tubes.
4J10270—For Low Impedance Tubes.
4J10279—For 500 ohm P.A. Line.
4J10272—For 1000 ohm P.A. Line.
List Price, $4.50. YOUR PRICE **$2.06**

8 Inch Speakers

4J10283—For High Impedance Tubes.
4J10284—For Medium Impedance Tubes.
4J10285—For Low Impedance Tubes.
4J10282—For 500 ohm P.A. Line.
4J10273—For 1000 ohm P.A. Line.
List Price, $5.00. YOUR PRICE **$2.35**

12 Inch Speakers

4J10286—For High Impedance Tubes.
4J10287—For Medium Impedance Tubes.
4J10288—For Low Impedance Tubes.
4J10289—For 500 ohm P.A. Line.
4J10274—For 1000 ohm P.A. Line.
List Price, $7.50. YOUR PRICE **$3.53**

Replacement Coils for Utah Orthovox Speakers are listed on page 34.

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World Radio History

Exact Duplicate Repair Parts For Fada and Freed-Eisemann Receivers

FADA Tuning Bracket Casting

For all of the older models of Fada receivers. Same as original part. Will exactly fit chassis. Part number stamped on casting. Shpg. wt. 1 lb.

3J7003—Part No. 858MP
3J7004—Part No. 872MP
YOUR PRICE, EACH ..... **75¢**

FADA Dial Scale and Drum

Same as original Fada Part number 871MP. For all early models. Scale riveted to drum. Shpg. wt. 2 lbs.

3J7005—Part No. 871MP.
YOUR PRICE **$1.10**

FADA Tuning Drum

Same as original number 1716X. For all early models 4½" diameter, ½" track. Shpg. wt. 1 lb.

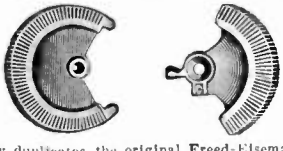
3J7009—
YOUR PRICE ..... **85¢**

FADA Friction Drive Shaft

For use with drum dial number 871MP illustrated at left. Supplied complete with all washers, spring, etc. Assembled ready for use. Shpg. wt. 1 lb.

3J7011—2¼" long. Part No. 1724X
3J7012—2½" long. Part No. 1724R
3J7013—2⅝" long. Part No. 1724B
YOUR PRICE, EACH ..... **50¢**

FREED-EISEMANN Volume and Tuning Dial Castings



Exactly duplicates the original Freed-Eiseman Part Numbers 24-45 (tuning dial) and 24-46 (volume control) castings. Will exactly fit chassis, no changes are necessary to install. Made of cast iron, finished in gilt. Will not break or crack. Shpg. wt. 2 lbs. each.

3J7014—Volume Control Casting. Part No. 24-46.
YOUR PRICE ..... **85¢**

3J7015—Tuning Dial Casting. Part No. 24-45.
YOUR PRICE **90c**

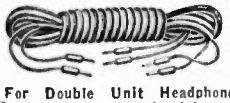
Dial Drive Assembly

For R.C.A. Victor Receiver

R.C.A. part 2999. Complete tuning dial drive shaft with mounting screws, lock washers and friction rubber. Exact replacement for R.C.A. Victor models: R-7A, R-9D.C., R-43, R-11, R-7D.C., R-7L.W., R-10, RE-18, RAE-26, RE-16A, R-10D.C., R-7, R-9, R-4, R-6 and R-8.

3F6821—List, 40c.
YOUR PRICE ..... **24¢**

Head Phone Cords



For Double Unit Headphones

For connecting two headphone units to output of radio receiver or other apparatus. Fine quality durable mercerized braid covering. Lgth. 5 ft.

3C2305—With pin tips on both ends.
3C2306—With spade tips on phone unit end, pin tips on other end.
PRICE EACH ..... **19¢**
TEN FOR $1.68

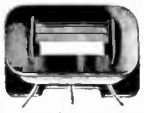
Two Conductor Cords

For Speakers or Single Unit Headphones

Finest quality glossy mercerized covering. Lgth. 5 ft.

3C2308—Pin tips one end, spade tips other.
3C2307—Pin tips both ends.
EACH **8¢**
Ten for 76c

Replacement Coils for Utah Orthovox Speakers



Exactly duplicates the physical and electrical specifications of the original magnetic coils used in the 5", 6", 8" and 12" Utah Orthovox Speakers. Better insulation and higher safety factor than the originals. All coils are supplied center tapped. Where speaker is used with a single output tube disregard center tap.

For High Impedance Tubes

3J7982—Types 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 46, 47, 79, 59, 89, 2A5, 6A4, LA, 6A6 in push-pull and single types 38, 49, 12A7. For any type of Output tubes in single or push-pull having a total primary load impedance of 12,000 to 18,000 ohms.

For Medium Impedance Tubes

3J7983—Types 43, 45, 71A in push-pull and single types. 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 43, 46, 47, 49, 59, 89, 2A5, 6A4, 6A6, 12A5, LA, GA, PZ. For any type of output tube in single or push-pull having a total primary load impedance of 7000 to 12,000 ohms.

For Low Impedance Tubes

3J7984—Types 48, 2A3 in push-pull and single types 43, 45, 59, 71A, 12A5. For any type of tube in single or push-pull having a total primary load impedance of 3000 to 6000 ohms.
List Price, 75c.
YOUR PRICE, EACH ..... **44¢**

For Utah Orthovox Speakers

Used with P.A. Amplifier

3J7985—500 ohm impedance coil.
3J7986—1000 ohm impedance coil.
List Price, 75c. YOUR PRICE ..... **44¢**

Replacement Coils for Best Kinematic Speakers

Supplied center tapped. When speaker is used with a single output tube disregard center tap.

3J7987—For High Impedance tubes.
3J7988—For Medium Impedance tubes.
3J7989—For Low Impedance tubes.
List Price, 75c. YOUR PRICE ..... **44¢**

NOTE—See above listing for classification of output tubes according to their impedance.

Cannon-Ball Dixie Head Phones

Thoroughly reliable high quality full size headphones. Responsive to weak signals. Adjustable woven web covered headbands. Complete with cords. Aluminum shells, practically unbreakable bakelite caps that are more sanitary and will not dirty the ears even in warm weather. Very light and comfortable to wear.

3F2355—2000 ohms
YOUR PRICE **$1.22**

3F2354—3000 ohms
YOUR PRICE **$1.35**

FROST FONES

Frost Fones satisfy the exacting demands of those wishing to obtain extremely sensitive instruments. Light in weight, comfortable to wear and easily adjustable. All materials used are of the very highest quality, and these phones are made by careful scientific workmen. For testing radio parts or complete sets—for lining up condensers—for peaking intermediate transformers or any similar uses these phones may be depended upon to give perfect satisfaction.

3F2357—Frost No. 174, 2000 ohm headset. Aluminum shell.
List, $3.08. YOUR PRICE **$1.48**

3F2358—Frost No. 175, 3000 ohm headset. Aluminum shell.
List, $3.50. YOUR PRICE **$1.65**

Genuine Nathaniel Baldwin Phones

Type C
3D2360—
Your Very Special Price Set
$2.89
Ten Pairs for
$27.50

World famous for many years because of their extreme sensitivity and great efficiency. Balanced armature units accurately matched and carefully tested. Used extensively by U. S. Signal Corps, Navy, and by professional operators. Moulded bakelite cases enclose units. While very sensitive they are very rugged and will stand up under hard usage. Complete with adjustable headband and connecting cord. Fitted with MICA diaphrams.

Genuine Baldwin Units

New Stock—Guaranteed Perfect

Wonderful bargains at our prices. All are of the highly efficient Baldwin balanced armature type. Very sensitive and carry great volume without distortion. Very rugged. Excellent for battery type radio receivers and for use on Public Address horn speakers. Maximum undistorted power limit, 500 M.W.

Baldwin Concert

Generally known as the best. Each unit hand made, carefully adjusted and tested. Precision made at every step. Widely imitated, but not excelled for its faithful, consistent reproduction. Threaded to fit all standard speakers and horns. Concentric corrugated diaphragms to handle strong signals without blasting. 5-foot cord with tips. Shipping wt., 2 lbs.

3F2362—Baldwin Concert Unit. Not Shielded. NET **$1.95**

Baldwin Rival

Ideal for all console and morning glory type horns. Handles enormous volume with rare faithfulness of reproduction. Shipping wt., 1 lb.

3F2364—Without Shield.
YOUR PRICE ..... **75¢**

Baldwin Lyric

An especially desirable unit for outdoor use. Fully encased. No parts exposed. Very sensitive, yet sturdy and strong. Concentric corrugated diaphrams to handle strong signals without blasting. Slightly larger than the Concert or Rival.

3C2365—List, $6.00
YOUR SPECIAL PRICE **$1.25**

Brush Crystal Headphones

Piezo electric head phones for use where high fidelity, high impedance, non-magnetic head phones are required. Frequency response 60 to 10,000 c.p.s. Impedance 50,000 ohms (phones in parallel). Adaptable for electro-stethoscopic and laboratory work. For use with short wave receivers or for program monitoring, measurement work and other headphone usage. Brown Octagonal bakelite cases. Small, light-weight 6 oz. headphones. 5 ft. cords. Adjustable head band.

3J2372—List Price, $9.00.
YOUR PRICE **$5.29**

3J2373—Single phone with head band.
List Price, $5.00.
YOUR PRICE **$2.94**

Ear Phone Cushions

3C2371—YOUR PRICE PAIR ..... **22¢**
TEN PAIR FOR **$1.95**

Made of soft sponge rubber. Very light and comfortable. Ease pressure from head set yet preserve best hearing. Fit all phones.

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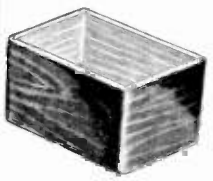
Professional Type
INSTRUMENT CASES

High quality walnut or oak cases. Natural finish, hand rubbed and lacquered. Especially designed for custom built test equipment. They give to your equipment that professional laboratory appearance. Exceptionally strong and sturdy. Rugged but graceful. Interlocking corner joints. Rounded corners. Sizes are arranged to accommodate standard sizes of "C" batteries and to allow ample clearance below meter studs and for resistors, switches, etc.

Standard Model—Less Cover

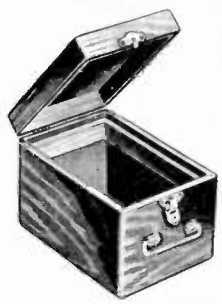


Oak or Walnut

4E10441 — For Panel 4¾"x7". Inside size: 4" wide, 6¼" long, 3½" deep.
YOUR PRICE, EACH .. **$1.50**

4E10442 — For Panel 5½"x8½". Inside size: 4¾" wide, 7¾" long, 4½" deep.
YOUR PRICE, Each **$1.75**

Portable Model—With Cover



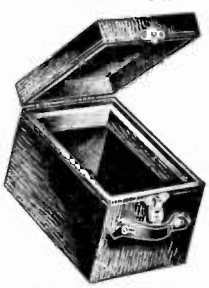
Oak or Walnut

Cover allows 1½" inside clearance above panel. Panel fits flush inside lower section. Cover is detachable.

4E10443 — For Panel 4¾"x7". Inside size: 4¾" wide, 7" long, 3½" deep.
YOUR PRICE, Each **$1.90**

4E10444 — For Panel 5½"x8½". Inside size: 5½" wide, 8½" long, 4½" deep.
YOUR PRICE, Each **$2.25**

Portable Case—With Cover



Imitation Leather Covered

Body built of thin but very strong wood. Covered outside and top rim with finest quality black leatherette. Attractively grained. This case will stand years of hard service. Takes any 5½x8½" panel. Leather handle. Detachable cover with clasp lock. Height 6¼ inches.

4E10440—
List Price, $3.50.
YOUR PRICE .. **$1.69**

Black Bakelite Test Panels
For Instrument Cases

Polished Bakelite to fit Professional Type Instrument Cases. Supplied square. Corners must be filed round to fit exactly on the standard model cases.

3F7487—¼"x4¾"x7 "	Net Each	52c
3F7488—¼"x4¾"x7 "	Net Each	69c
3F7489—¼"x5½"x8½"	Net Each	67c
3F7490—¼"x5½"x8½"	Net Each	79c
3F7422—⅛"x7 "x14 "	Net Each	89c

Improved Analyzer Instrument Case

Oak or Walnut
3F10445—
YOUR PRICE
$2.45

A professional type carrying case for your portable instruments. Takes standard 7" x 14" x ⅛" bakelite panel listed above. Partition for panel support provides room for analyzer cable, test leads, etc. Inside dimensions 8½"x14"x3½" deep. Slip-hinged cover has 1½" inside clearance above panel. Metal handle, suitcase latch type catch. Lacquer finish without stain leaves the rich walnut grain with its natural appearance. This handy size case enhances the appearance of your custom built test equipment. Impress your customers by the professional appearance of your instruments.

Radolek—Triplett
0-1 MA Foundation Meters

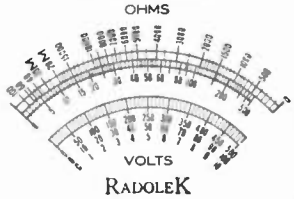
3½ Inch
3F8389—
$4.66

5¼ Inch
3F8391—
$6.67

Black Bakelite Cases d'Arsonval Movement Accuracy 2%

Dimensions: 3½" meter; Flange 4½"; body Diam. 2⅞"; depth back of panel 1⅝". Dimensions: 5¼" meter; Flange 5½"; body Diam., 4⅜"; depth back of panel 1⅝". White enamel dial with clear black figures. Knife Edge Pointer: Assists in the congested portions of the ohmic scale in determining the exact resistance value. A front zero adjuster assures a constant zero return of pointer. Dust-proof construction. Tungsten steel magnet and sapphire jewelled bearings.

Dial Scale Markings on All Meters



Designed particularly for use with external resistors and shunts to build up a multi-range D.C. voltmeter and a dual scale ohmmeter employing the wiring diagram illustrated below. Meter has 50 ohms internal resistance and requires 1 milliampere for full scale deflection. Resistors for voltage ranges are calculated at 1000 ohms per volt allowing the 50 ohms of internal resistance as sufficient for 50 milli-volt. The meter may be made to read current by use of standard shunts for 50 ohm meter resistance or by use of hand calibrated manganin wire shunts. **Special Ohm Scale:** The low ohm scale assumes a current of 1 M.A. flowing through the meter and full scale deflection of the pointer. Shunting the meter with an unknown resistance causes a lower scale reading. (50 ohms appears at midscale.) The high ohm scale is the standard type requiring a 4450 ohm resistance in series with a 4½ volt battery. This scale indicates 4500 ohms at midscale and 100,000 ohms at the highest ohm marking.

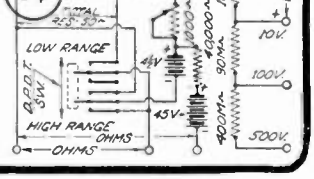
Continental Carbon Resistor Kit

For use with the above Radolek Triplett Foundation Meter for obtaining all the ranges specified. Included are: 1-4000 ohm, 1-10,000 ohm, 1-40,500 ohm, 1-90,000 ohm and 1-400,000 ohm fixed resisors; 1-50 ohm semi-variable resistor and 1-1000 ohm Yaxley type C Potentiometer.

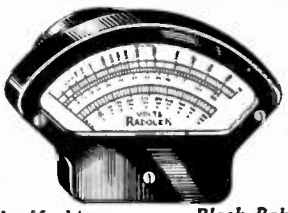
Carbon Kit-For Volt-Ohm-Milliammeter
3F8393—Guaranteed Accuracy 5%
Carbon Resistors. YOUR PRICE **$1.92**

Precision Kit-For Volt-Ohm-Milliammeter
3F8394—Guaranteed Accuracy 2%
Wire Wound Precision Resistors. YOUR PRICE **$4.29**

Circuit Diagram for Obtaining All the Meter Ranges Specified Above.



Radolek—Beede
0-1 MA Foundation Meter



Fan Type 4½ Inch
3F9598
YOUR PRICE
$4.41

Black Bakelite Case d'Arsonval Movement Accuracy 2%

Dimensions: Body Length 4½", height 3⅜". Round projection on back of meter extends 1⅜" and mounts in a 2⅜" round hole. Actual scale length 3⅛". Knife-Edge Pointer. Sapphire jewel bearings. Laterally wound coils. Non-corrosive fatigueless springs. White enameled dial face with clear black figures. A front zero adjuster assures a constant zero return of pointer. Dust proof construction throughout. Scale markings exactly the same as in the illustration at left.

Bakelite Bar Knobs
Tapered Pointer Type for Test Instruments

Replace old style round knobs. Have standard ¼" hole with set screw. White pin line indicator. Furnished in black or brown bakelite.

3E6815—1¼" Black.
3E6816—1¼" Brown.
YOUR PRICE, EACH.. **9¢**
10 for 82c

3E6817—2¼" Black.
3E6818—2¼" Brown.
Your Price, Each.. **10¢**
10 for 90c

Circuit Opening Twin Tip Jacks

Circuit opens when both pin tips are in place. Closed while either one alone is in position. Used in Selective Analyzers for opening circuits for current measurement or for voltage measurements between elements without opening circuit.

Mounts above or below panel with standard 6/32 screw. ½" holes required with ⅞" centers for use under panels less than 7/16" thick.

3E6419—No. 432.
YOUR PRICE, Each ..... **15¢**

Bakelite Vernier Dial

No gears to strip. No back-lash. Friction drive takes up its own wear. Ratio 14 to 1. 3 inch translucent scale marked 100-0-100 may be illuminated from the rear. Fits ¼ inch shaft. Supplied in black bakelite.

3J6825—
YOUR PRICE .. **40¢**

Full Wave
Copper Oxide Rectifier

Type A 5 Milliampere Capacity

Miniature copper oxide rectifier. Guaranteed the finest made. For converting D. C. instruments drawing less than 5 milliamperes to A. C. instruments. Insulated silk covered wire leads, plainly marked. Cross section ⅛" square. Mounting hole centers ½".

3D4855—YOUR PRICE **$2.15**

Type B 20 Milliampere Capacity
Size ⅞" round discs, ¾" long.

Medium miniature size copper oxide rectifier for use in A. C. circuits of less than 5000 cycles frequency and rectifying not over 20 milliamperes D. C. May be used for external connection to D. C. meters employed in special capacity measuring circuits. Has 6-32 mounting bolt insulated from rectifying section.

3D4856
YOUR PRICE **$1.88**

Type C 40 Milliampere Capacity
Size ¾" round disks, overall size 1⅛"x1"

Copper oxide rectifier for A.C. circuits of less than 5000 cycles frequency and not to exceed 40 milliamperes D.C. current. Excellent for rectification of 110-115 volt A.C. current for field excitation of dynamic speakers with 2250 to 3000 ohm field. Not recommended on circuits exceeding 600 volts. May be substituted for electrolytic rectifiers in Willard, Exide or Philco "B Eliminators" within 40 mill. limits. Only servicemen familiar with copper oxide rectifier principles should attempt this replacement.

3D4857—YOUR PRICE **$1.75**

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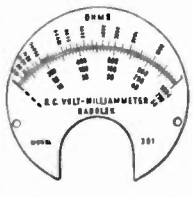
World Radio History

Silver Plated Etched Meter Dial Scales

For Use with 1 Milliampere Movement Meters

Finely etched clear black numerals and scales on white silver background. Superior in appearance and durability. Exactly replace scales on meters for which they are specified.



Scale Num. 1.

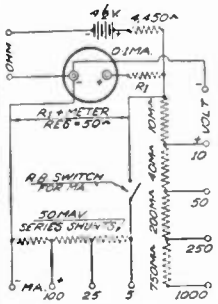
For Use on 1 Milliampere Movement Meters

Upper scale calibrated in ohms for use with 4½ volt battery. 50 divisions marked 50, 250, and 1000 for D.C. Volt, and Milliamp. Ranges.

YOUR PRICE ..... **39¢**

3F8380—For Weston Model 301.
3F8381—For Jewell Type 88.
3F8431—For Jewell Type 54, 199, 117, 133, 154.
3F8382—For Triplett Model 321.

Diagram Number 1A.



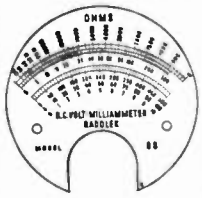
Multi-Range D.C. Volt-Milliammeter-ohmmeter

This shows a simple and popular use of dial to make up Multi-Range meter reading at full scale deflection; 10, 50, 250 and 1000 volts with resistance at 1000 ohms per volt; 5, 25 and 100 milliamperes using tapped shunt; and an ohmmeter reading up to 100,000 ohms. Connections for this meter are made by plugging into insulated tip jacks.

The following materials in addition to 1 milliampere meter, are required to make up this outfit: Meter Dial No. 1; 4½ volt battery; 1 each precision resistor in ohms, 4450, 10,000, 40,000, 200,000, 750,000; semi-variable resistor to bring meter resistance up to 50 ohms; Van series shunt resistor, S. P. S. T. Switch; 11 pin jacks, panel, cabinet.

High—Low Ohm—Volt Scale

Scale Num. 2.

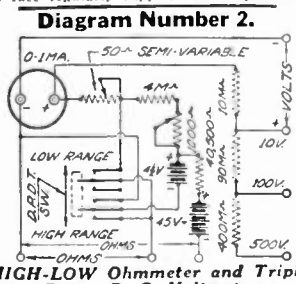


Upper scale is for 4½ volt Ohmmeter. Middle scale indicates ohms when unknown resistance is shunted across 50 ohm movement carrying 1 M.A. Lower scale has 50 uniform divisions marked, 10, 100, and 500 volts. Use Manganin wire or a semi-variable resistor in series with meters less than 50 ohms resistance.

YOUR PRICE ..... **39¢**

3F8388—For Weston Model 301.
3F8432—For Jewell Model 88.
3F8386—For Jewell Model 54, 199, 117, 113, 154.
3F8434—For Triplett 3½" 321.
3F8435*—For Triplett 5¼" 521.
*Same face regularly supplied on Triplett meters.

Diagram Number 2.

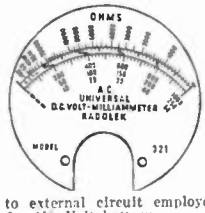


HIGH-LOW Ohmmeter and Triple Range D. C. Voltmeter

A high range ohmmeter reading to 100,000 ohms and 1 megohm and a low range ohmmeter reading to 500 ohms, combined with a 3 range voltmeter reading 10, 100 and 500 volts. A switch provides for either low or high ohmage readings. Easy to assemble and calibrate regardless of type 0-1 milliampere meter employed. The following material, in addition to a 1 mil. meter, are required to construct this multi-range meter. Meter Dial No. 2; DPDT Yaxley jack switch; a 50 ohm Type C Yaxley potentiometer; 4½ and 45 volt batteries; 25 ohm semi-variable resistor or sufficient manganin wire to make R + Meter resistance equal 50 ohms; 4000, 10,000, 40,500, 90,000, and 400,000 ohm Electrad 1-watt precision resistors; 6 insulated pin jacks; panel; cabinet.

3F8390—All of the above materials supplied in a kit with hook-up wire, but without meter, meter dial scale (make your selection of scale required from above listing), panel or case.

YOUR PRICE **$7.95**



Scale Num. 4.

For use with Weston Universal A.C.-D.C. Meter or equivalent 1 Mil. meters equipped with copper oxide rectifiers. Offset scale permits reading A.C. values on D.C. calibrated Range. 50 scale divisions marked 50, 250, 1000, volts or Milliamperes according to external circuit employed. Top Scale in ohms for 4½ Volt battery.

3F8396—For Weston Model 301.
3F8387—For Jewell Model 88.
3F8397—For Triplett Model 321.
YOUR PRICE, EACH ..... **39¢**

Continental Carbon Semi-Precision Resistors

Watt
List Price 30c.
YOUR PRICE.... **18¢**

Popular sizes of resistors for use as meter range multipliers, 1 watt, 5% tolerance. Average variations close to 2%. The resistors marked with * allow for the 50 ohm internal resistance of the meter. When used with 0.5 Mill. meters, divide volt range by 2.

Stock Num.	Resist. Ohms	Volts at 1 M. A.	Stock Num.	Resist. Ohms	Volts at 1 M. A.
3F9358	1450	*1.5	3F9376	50,000	50
3F9359	2950	*3	3F9377	60,000	60
3F9360	3500	3.5	3F9378	75,000	75
3F9361	4450	*4.5	3F9379	85,000	85
3F9362	4950	*5	3F9380	90,000	90
3F9363	5000	5	3F9381	100,000	100
3F9364	5500	5.5	3F9382	150,000	150
3F9365	5950	*6	3F9383	200,000	200
3F9366	7450	*7.5	3F9384	250,000	250
3F9367	8500	8.5	3F9385	300,000	300
3F9368	8950	*9	3F9386	450,000	450
3F9369	9950	*10	3F9387	500,000	500
3F9370	10,000	10	3F9388	600,000	600
3F9371	13,500	13.5	3F9389	750,000	750
3F9372	15,000	15	3F9390	800,000	800
3F9373	25,000	25	3F9391	900,000	900
3F9374	30,000	30	3F9392	1 Meg.	1000
3F9375	40,500	40.5			

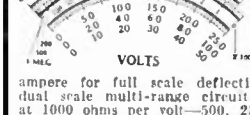
List Price, 30c.
YOUR PRICE, EACH ..... **18¢**

See pages 31 and 53 for listings of Wire-wound Precision Resistors.

Continental

Milliammeter Modernizing Kit

For 1 Milliampere Movements



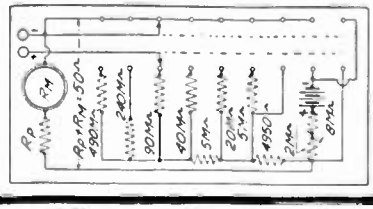
Build a Volt-Ohmmeter using any Weston Model 301; Jewell Patterns 88, 54, 444, 408, 409, 199, 133, 133A, 210, 538, 137, 137A, 574 or Triplett Model 321 meters requiring 1 milliampere for full scale deflection. The simplified dual scale multi-range circuit is below. Ranges at 1000 ohms per volt—500, 250, 100, 50, 25, 10, and 5 volts; two ohm scales—0 to 1000 and 0 to 1 meg. with midscale readings of 50 and 9000 ohms.

3F8385—Kit of 9 Continental Carborite 5% Resistors Including Printed Dial Scales for all meters specified. Circuit diagram and instructions included. List, $3.60.

YOUR PRICE **$2.12**

Additional Parts

3F6327—2 Gang 10 pt. Rotary Switch ..$0.94
232—Electrad 2000 Ohm Potentiometer ..... .59
3F89—Eveready C. Batteries, 22c ea.... .44
3F6116—Eby "+" Binding Post ..... .09
3F6117—Eby "—" Binding Post..... .09
3F4842—10 feet Resistance Wire ..... .25
3F6815—Bar Knobs, 9c ea. ..... .18
3F10442—3½"x3½" Walnut Case 1.75
3F7489—Black Bakelite Panel ..... .79



Make Your Own Shunts with Manganin Resistance Wire

Standardize your milliammeters by making all have the same internal resistance! As 50 ohms is the standard value usually employed, we suggest adding insulated Manganin wire in series with the movement to secure the total of 50 ohms. Employ the 50 gauge for all series multiplier purposes. The 26 gauge is suitable for shunts carrying less than 50 MA. Employ 22 gauge for shunts of less than 1000 milliamperes. This round wire is suitable for use as shunt and multiplier resistance for all styles of meters, wheatstone bridge slide wires, resistance boxes of standard value, etc. Temperature co-efficient 0.000025 ohms per °C. Practically no thermal co-efficient in contact with copper.

22 Gauge B&S, 0.452 ohms per foot. 100 foot spool, Double Silk Covered.
3D4840—YOUR PRICE **$1.10**

26 Gauge B&S, 1.147 ohms per foot. 200 foot spool, Double Silk Covered.
3D4841—YOUR PRICE **$1.20**

30 Gauge B&S, 2.899 ohms per foot. 300 foot spool, Double Silk Covered.
3D4842—YOUR PRICE **$1.15**

Bare Resistance Wire

For use at extreme high temperatures in heater elements, of ranges, radiant heaters, toasters, rheostats, bleeder resistances, etc., Temperature co-efficient 0.000112 ohms per °C up to 500° (1022° F.) and there remains fairly constant to 1000° C (1832 °F.). Non-oxidizing in air. Non-magnetic. Bright finish. Round. Supplied without Insulation.

22 Gauge B&S, 1.015 ohms per foot. 100 foot spool, bare wire.
3D4843—YOUR PRICE **$1.05**

32 Gauge B&S, 10.15 ohms per foot. 500 foot spool, bare wire.
3D4844—YOUR PRICE **$1.00**

"VAN" SHUNTS

Very small and compact. Size about 1¼" long, ¾" wide. Resistance elements of non-corrosive alloy wire with temperature co-efficient of practically nil. These shunts are intended for use in converting 0-1 milliampere movement meters for reading higher range currents with maximum milliamps specified.

Multiple Shunts

For 1 Mil. Weston D. C. Mod. 301

27 Ohms Meter Resistance
List $1.50.
YOUR PRICE... **88¢**

Stock Number	D. C. Milliamps	Stock Number	D. C. Milliamps
3D4875	5	3D4878	50
3D4876	10	3D4879	100
3D4877	25	3D4880	500

For Triplett Model 321 and 324

30 ohms Meter Resistance
List Price, Each $1.50.
YOUR PRICE..... **88¢**

Stock Number	D. C. Milliamps	Stock Number	D. C. Milliamps
3D4859	5	3D4862	50
3D4860	10	3D4863	100
3D4861	25	3D4864	500

For Beede and Jewell 54

35 Ohms Meter Resistance

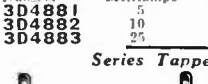
Stock Number	D. C. Milliamps	Stock Number	D. C. Milliamps
3D4865	5	3D4868	50
3D4866	10	3D4869	100
3D4867	25	3D4870	500

List Price Each $1.50.
YOUR PRICE..... **88¢**

Single Range Shunts for 50 Ohm, 1 Mil.
List $1.50.
YOUR PRICE... **88c**

Stock Number	D. C. Milliamps	Stock Number	D. C. Milliamps
3D4881	5	3D4884	50
3D4882	10	3D4885	100
3D4883	25	3D4886	500

Series Tapped Shunts



3D4890—For 1 mil. D. C. Weston 301. 27 ohms Meter Resistance. Tapped for 10-100 mils.
List $2.50.
YOUR PRICE **$1.47**

3D4891—For Universal Model 301. 50 ohms Meter Resistance. Tapped for 5-25-100 mils.
List $3.00. YOUR PRICE..... **$1.76**

Series Tapped Shunt

For Beede, Hoyt, Triplett, and Weston 1 milliampere meters having 50 ohms internal resistance or with meters of lower resistance having an external series resistance of manganin wire to secure a net 50 ohms. Tapped for 10 and 100 milliamperes.

3E4892—For 50 ohm, 1 Mil. meters
YOUR PRICE **$1.47**

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World Radio History

"Quicker than a Short circuit"

LITTELFUSES

For Test Instruments

Especially designed for protection of delicate equipment. Break circuit in 1/100 part of time required to burn instruments. May be used on 250 Volts D.C. or A.C. The smaller sizes have been used without arcing up to 1500 volts D.C. on a 2KW supply. Illustration is actual size. Length 1 Inch. Diameter ¼ inch.

Stock Num.	Rating Amps.	Max. Load M. A.	Aver. Resis. 5M.A. Load	Your Price Each	Your Price Dozen	Use to Protect— Volt-meters Ohms per volt	Milliammeters All Magnetic Move-ments	Milliammeters Thermo-couple Move-ments
3F6925	1/100	10	110	12c	$1.32	1000 & up	Up-1	Up-10
3F6926	1/8	25	20			500-1000	1-10	10-25
3F6927	1/4	60	5.0			100-500	10-25	25-60
3F6928	1/2	100	3.0			20-100	25-75	60-115
3F6930	¼	200	6.2	9c	$1.00	10-20	75-150	115-200
3F6931	½	300	3.0			5-10	150-250	200-300
3F6932	½	400	2.5			3-5	250-350	300-400
3F6933	¾	600	.40				350-500	400-600
3F6934	1	1000	.24	6c	65¢		500-750	600-1000
3F6923	1½	1500	.18				750-1000	1000-1500
3F6935	2	2000	.14				1000-1500	1500-2000

Littelfuses

Glass enclosed 3AG type. These radio fuses have many points of merit which are distinctly Littelfuse features. Approved by the Underwriters Laboratories. 1¼" long, ¼" diameter. Fuse element pure rosin coated zinc. Locked end caps. No cement to loosen.

For Radio Receivers
250 Volts

Stock Number	Rate Amps.	Max. Load Watts	Your Price
3F6936	1	60	Each
3F6937	1½	80	5c
3F6938	2	150	
3F6939	3	200	Dozen 50¢

For Amplifiers
500 Volts

Stock Num.	Rate Amps.	Peak Load Mills.	Your Price
3F6940	⅛	75 mils.	Each
3F6941	¼	150 mils.	9c
3F6942	½	300 mils.	
3F6943	¾	500 mils.	Dozen $1.00

Mountings For Littelfuses and 3AG Type Fuses

Fuse Retainer

Especially designed for auto radio use. Cadmium plated steel shell, to which shielding can be soldered. Bayonet lock end. Takes cable up to ⅜" diameter. Also suitable for aerial connector.

3F6948—For 3AG Type Fuses 2½"x⅜" dia.
YOUR PRICE, EACH..... **8¢**
10 for 70c

Antenna Coupler

Connects auto radio to antenna on auto sets. Two piece metal container with bayonet lock ends, powerful spring contact insures perfect electrical connection. Insures a neat installation and is an aid when set is serviced.

3F6949—Without Fuse Space.
YOUR PRICE, EACH..... **6¢**
10 for 50c

"Meter-Back" Mounting

Mounts directly on one meter binding post. Will not touch other post on smallest standard meter. Linen bakelite base.

3F6914—For Instrument Littelfuses. Size 1"x1¼"x⅛".
YOUR PRICE, EACH..... **12¢**

Standard

Tinned shake-proof terminals and extra quality phosphor bronze, nickel-plated fuse clips. Molded bakelite base.

3F6944—For 3AG Type Fuses. 1⅝x½x⅛ inches.
YOUR PRICE, EACH..... **12¢**
10 for $1.10

3F6945—For Instrument Littelfuse. 1½x⅝x⅛ Inches.
YOUR PRICE, EACH..... **9¢**
10 for 85c

Panel Type

For use where concealed wiring is required. Studs 1 inch long, threaded 6/32 full length. Nuts and washers included.

3F6946—For Instrument Littelfuses Only. Size 1⅛x½x⅛".
YOUR PRICE, EACH ..... **12¢**

Extractor Fuse Post

Knob extracts fuse when unscrewed. Shock-proof—no live parts exposed. Safe rating 500 watts, 125 volts. Takes panel up to ⅛" thick. ½" diam. mounting hole. Overall length 2½"; length under panel 1⅝". Lock nut for threaded bushing included.

3F6924—For 3AG Type Fuses.
YOUR PRICE, EACH ..... **24¢**

Metal Covered Fuse Mounting

3J6906—Your Price **12¢**

Designed and built for use in metal tube equipped sets! Prevents burn outs or overloading of tubes, transformers, condensers, etc., in case of shorts. Made for standard 3AG fuses. Compact—2⅛"x⅜"x¾" overall. Requires no mounting screw. Easy and quick to install. Entirely shielded. Meets Underwriters' approval.

Universal Gryp Connector

For 3AG Type or Instrument Littelfuses

Designed for temporary hook-ups, experimental set-ups, etc., in the laboratory or classroom where time is valuable. Made of nickel plated spring brass, the connectors slip on the fuse caps with a snug fit. The large hole, ⅛ inches in diameter will fit the binding posts of most instruments.

3F6947—List Price per pair, 15c.
YOUR PRICE, per pair ..... **9¢**

Standard Radio Fuses

Fuse element enclosed in glass tube with brass caps on ends. Size 1¼"x¼". Will blow at a 50% overload.

Type 3A.G.

		Per Box of 5.
3F6915—1	Amp.	YOUR PRICE
3F6916—1½	Amps.	
3F6917—2	Amps.	**14¢**
3F6918—3	Amps.	
3F6919—4	Amps.	Per Hundred
3F6920—5	Amps.	$2.65
3F6921—10	Amps.	
3F6922—15	Amps.	

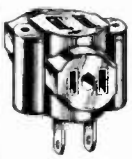
Fusible Plug

3F6905—Your Price, Ea. **22¢**

Takes place of regular connecting cap on extension cords. Ideal for radio dealers and servicemen for fusing radios not already protected, and for general use around the laboratory. Takes two standard size 3AG type fuses, or Instrument Littelfuses. Fuses are inserted at each side of plug in the base. Constructed of rich colored brown molded bakelite. Equipped with knurled finger grips and ⅜" cord hole.

Fusible Trio Tap

125 to 250 Volts 6 Amperes



3F6907—Your Price, Ea. **24¢**

Three fused connections from one outlet. Brown bakelite body. Makes positive connections. Takes either 3AG Type Fuses or Littelfuses.

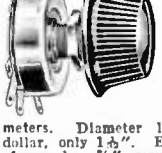
Rotary Tap Switches

For Test Instruments

Requires ⅜" hole, in ¼" or thinner panel. Single deck type extends 1" back of panel with ⅜" for each extra deck. Insulated knob shaft, ¼" diam. ½" long. Double wiping spring contacts. Ball bearing pressure spring insures positive stop on each position. Low contact resistance permits use of this switch in circuits controlling milliammeter shunts and volt-ohmmeter circuits. Built very rugged mechanically. Supplied in Non-Shorting and Shorting types.

Eleven Active Contacts Per Deck.

Non-Shorting Stk. No.	De'ks	Your Price	Shorting Stk. No.	Decks
3E6326	1	$0.59	3E6329	1
3E6327	2	.94	3E6330	2
3E6328	3	1.35	3E6331	3

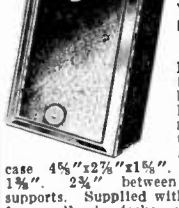


Smallest Wire Wound Potentiometers Made

Ideal for test instruments or midget ohmmeters. Diameter less than a half dollar, only 1⅛". Extends ⅛" back of panel. ⅜" mounting hole, ⅜" threaded shank, ¼" shaft, ⅜" beyond shank. Linear resistance. Knob not included.

Stock Number	Res. Ohms	Max. Mils	Your Price
3J3438	50	200	59c
3E3425	200	100	
3E3426	400	70	
3E3427	1,000	45	73c
3E3428	1,500	30	73c
3E3429	3,000	25	73c
3E3430	5,000	20	88c
3E3431	6,000	18	88c
3E3432	10,000	14	88c
3E3433	15,000	11	88c

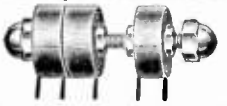
Bakelite Test Case



3F2455—With top panel.
YOUR PRICE **95¢**

Polished brown bakelite with beveled bakelite top plate mounting with two insulated screws. Size of case 4⅝"x2⅞"x1⅝". Inside depth 1¾". 2¾" between inside panel supports. Supplied with six ¼" holes for small pin jacks, or wires. This is the ideal size small instrument case for small radio apparatus.

¼ Watt Midget Precision Multiplier Resistors



Only ⅝" diameter, ¼" wide. May be stacked on a 6-32 threaded stud as illustrated. The smallest precision resistors. Accurate within 1%.

Stock Num.	Resist. in ohms	Volts at 1 MA	Your Price
3F8448	15	1½	41c
3F8398	20	2	
3F8399	23	2½	
3F8400	1450*	3	
3F8449	2500	3	
3F8401	2950*	3	
3F8416	3000	4	
3F8402	4000	4½	
3F8403	4450*	4¾	44c
3F8417	4500	5	
3F8404	4950*	5	
3F8405	5000	6	
3F8406	6500	6½	
3F8407	5950*	6	
3F8408	6000	6	
3F8409	7000	7	
3F8410	7450*	7½	
3F8418	7500	7½	
3F8411	8500	8½	45c
3F8412	8950*	9	
3F8413	9950*	10	
3F8414	10,000	10	
3F8419	14,450*	15	49c
3F8420	15,000	15	
3F8421	20,000	20	
3F8422	25,000	25	
3F8423	30,000	30	
3F8330	40,500	35	
3F8424	45,000	45	
3F8425	50,000	50	59c
3F8426	60,000	60	
3F8427	70,000	70	
3F8428	75,000	75	
3F8415	90,000	90	
3F8429	100,000	100	

*Resistors matched to 50 ohm meters having 1 M.A. full scale deflection.

Hoyt Model 557 0-1 D.C. Milliammeter

3F2549—Your Special Low Price
$3.95

50 Ohms Resistance

Moving coil type D'Arsonal Movement. Accuracy within 2%. Case Diameter 2½ inches. Flange Diameter 3¼ inches. Metal case.

Jeweled Pilot Light Brackets

Used as short indicators, signal light on test panels. Makes excellent soldering iron pilot when connected across 3 ohm resistance in series with a 100 watt iron. (2½v. bulb required.) Bracket takes standard sized pilot light bulbs. Mounts in ½" hole on any panel not over ⅛" thick. Red Jewel included.

3J6765—
YOUR PRICE, EACH..... **16¢**

Jewels For Pilot Light

Colored jewel on threaded shank with mounting nut. Require ½" hole in panel not over ⅛". Very attractive when used in front of small neon or filament pilot lights.

3F6766—Red
3F6767—Amber
3J6768—Green
YOUR PRICE EACH..... **10¢**

Reflector Type Panel Light

3E6769—Less Bulb.
YOUR PRICE **30¢**

Takes standard tubular pilot lights. Illuminates meters on a test panel. Mounts in a ½" hole in ⅛" panels. (Genuine Mazda pilot lights listed on page 86.)

World Radio History

Heavy Duty Rubber Handle Plugs

Handles and plug coverings are made of strong, durable, molded rubber. Pliable and unbreakable. Bakelite molded plugs are of exceptionally strong construction. Shockproof. Will withstand all weather conditions. Short handle is 1¼" long, medium handle plug is 2½" long and the long handle plug is 3⅜" long.

Long Handle Male Plugs

Stock Number	Number of Prongs	YOUR PRICE
3F7130	4	17¢
3F7131	5	
3F7132	6	
3F7133	7 Small	

Medium Handle Male Plugs

3F7134	4	15¢
3F7135	5	
3F7136	6	
3F7137	7 Small	

Short Handle Male Plugs

3F6100	4	12¢
3F6101	5	
3F6102	6	
3F6104	7 Small	

Long Handle Female Plugs

3F7138	4	26¢
3F7139	5	
3F7140	6	
3F7141	7 Small	

Medium Handle Female Plugs

3F7142	4	21¢
3F7143	5	
3F7144	6	
3F7145	7 Small	

Bakelite Cable Plugs

3F6165—4 prong
3F6166—5 prong
3F6167—6 prong
3F6168—7 prong (small)
3F6169—7 prong (large)
List Price, 35c.
YOUR PRICE ... **18¢**

3F6172—8 prong (octal)
List Price, 50c.
YOUR PRICE ... **29¢**

Strong and neat. Body 2½ inches long. Base locks tightly into body.

Lockable Cable Connectors

Suitable as cable connectors or cable plugs. Molded bakelite sockets and plugs can be quickly removed from the insulated steel caps for making connections. Rubber grommet with a ⅜" hole protects cable where it passes through the cap. Female section has cadmium-plated phosphor bronze contacts. Diameter 1¼", length 1½".

Male Section	Female Section	Number Contacts
3F6032	3F6038	4
3F6033	3F6039	5
3F6036	3F6040	6
3F6037	3F6041	7

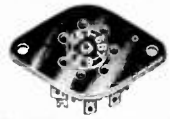
EACH PIECE PRICE ..... **15¢**
Ten Pieces for...$1.35
NOTE. No Overall Lockable Sleeve included at above Prices.

Overall Lockable Metal Connector Sleeves Only

Consists of two threaded drawn steel cadmium plated shells. Shells slip over the male and female parts of the above connectors and are screwed together so that the plugs cannot come apart. Especially desirable on public address, airplane and automobile installations.

3F6019—Set of 2.
YOUR PRICE **15c**

Sub Panel Sockets Wafer Type



With Tube Locating Ring

Midget Size

Tubes easily and quickly inserted. Firm positive contacts. With mounting holes 1½ inch centers. Overall length 1⅞". Width 1⅜".

Stock Number	Number Prongs	Price Each	Ten For
3F6190	4	5c	45c
3F6191	5		
3F6192	6		
3F6193	7	6c	55c
*3F6194	8 (Octal)		

**For New Metal Tubes*

Standard Size

Mounting holes 1⅝ inch centers. Overall length 2½". Width 1⅝".

Stock Number	Number Prongs	Price Each	Ten For
3F6195	4	5c	45c
3F6196	5		
3F6197	6		
3F6198	7S		
3F6199	7L		

Speaker and Analyzer

Finger Grip Type

Bakelite body and cap. Finger grip cap covers connections, and unscrews from body.

Male Plugs

3F6059—4 prong		YOUR PRICE 18¢ EACH
3F6060—5 prong		
3F6061—6 prong		
3F6063—7S		

3F6057—8 (octal), Each. ...29c

Female Plugs

3F6065—4 prong		YOUR PRICE 24¢ EACH
3F6066—5 prong		
3F6067—6 prong		
3F6069—7S		

3F6070—8 (octal), Each.....29c

Flat Speaker Plugs

3C6049—3 prong.
3C6050—4 prong.
3C6051—5 prong.
3C6052—6 prong.
3F6048—7S prong
3J6047—8 Octal.

EACH ..... **9¢**
TEN FOR.....85c

Take up minimum space. Bakelite body. Cable leads solder into hollow prongs.

Standard Speaker Plugs

3F6053—4 prong.
3F6054—5 prong.
3F6055—6 prong.
3F6080—7S. prong.

EACH ..... **15¢**
TEN FOR $1.45

Bakelite cap and base screw apart. Connections easily made by soldering in hollow prongs of base and are covered by cap.

Tube Bases

Moulded, polished black bakelite. Standard size. Hollow brass prongs, polished nickel finish. Easy to solder leads on inside of prongs. Overall diam. 1⅛". Cavity size—1⅛" diam; ⅜" deep.

3E6088—4 prong	YOUR PRICE 5c EACH
3E6089—5 prong	
3E6090—6 prong	
3F6086—7 prong small	
3F6087—7 prong large	

Multiposition Bakelite Sockets

Made of molded Bakelite with tube locating groove. Mounts without screws or rivets: held to chassis with locking ring of spring steel. Requires less space than the tube base. Mounts in 1⅝" hole (large size 7 prong and 7 comb. in 1⅞" hole). Very easy to mount. For use in material not over ⅜" thick.

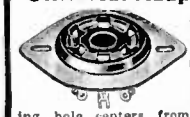
Supplied in Black and Red

Stock Num. Black	Your Price Each	Ten For	Number of Prongs	Stock Num. Red	Your Price Each	Ten For
3F6719	6c	55c	4	3F6743	7c	65c
3F6720	6c	55c	5	3F6744	7c	65c
3F6721	6c	55c	6	3F6745	7c	65c
3F6722	6c	55c	7 small	3F6746	7c	65c
3F6723	6c	55c	7 large	3F6747	7c	65c
3F6717	7c	65c	7S-7L†	3F6748	8c	75c
3F6718	7c	65c	8*	3F6749	8c	75c

*For New Metal Tubes. †Combination

Correct Size Chassis Punch Listed on Page 94

Universal Adapter Plate



Steel plate with hole for the Multi-position socket. Slotted mounting hole centers from 1½" to 2".
3F6725—For 4, 5, 6, 7 small and 8.
3F6742—For 7 large and 7 comb.
10 for..... **10c**

Tube Shield Base

3F6724—
PRICE, EACH... **2¢**
TEN FOR 18c

When used with above moulded bakelite sockets securely binds the shield base to the chassis without the use of any rivets or screws. Cadmium plated rust proof metal. Fits all standard size shields. No socket included.

Analyzer Multiple Tube Sockets

With Moulded Ears

Moulded bakelite sockets. Called combination sockets because they take tubes of more than one type of prong arrangement. Mount in 1⅛" diameter hole. 1¼" mtg. hole centers.

4-5-6

3F6730—Code 456. Receives all 4, 5 and 6 prong tubes.

5-6-7 Small

3F6734—Code 567A. Receives 5, 6 and 7 prong small tubes.

7-7

3F6736—Code 477. Receives 7 prong large and 7 prong small tubes. List Price, 50c.
YOUR PRICE, EACH..... **29¢**

Small Space Panel Mount Sockets

With Moulded Ears

Moulded black bakelite. Body fits 1⅛" hole. Projects ⅜" above mounting surface and ⅛" below top of mounting surface. Solder lugs project through bottom fiber washer.

With 1¾" Mounting Ctrs.

Stock Number	Contacts	Price Each	Ten For
3F6700	4	15c	$1.40
3F6701	5		
3F6702	6		
3F6703	7L		
3F6704	7S		

Improved Panel Mount Sockets

Same as above with new type perfect contact. Good for two million tests. Will out last any tube checker, set analyzer or other piece of apparatus.

3F6002	4	EACH 24¢ Ten for $2.30
3F6003	5	
3F6004	6	
3F6005	7L	
3F6007	7S	
3F6008	8	

*For New All-metal Tubes.

Compact Sockets

Moulded black bakelite. Guiding groove for tube prongs. Tubes can be quickly inserted. Perfect contact on each prong. Center hole for screw mounting. 1⅛ inch diameter exactly fits inside standard tube base. ⅝ inch high. Solder lugs project downward for wiring below base.

3F6705	4	Each 12c	Ten for $1.15
3F6706	5		
3F6707	6		
3F6708*	7L		
3F6709†	7S		

(*) Medium base, .85" pin circle.
(†) Small base, .75" pin circle.

For New Metal Tube

3F6699 8 (Octal) 24c $2.30

Composite Type

3F6738	4-5-6	29c	$2.75
3F6739	5-6-7S		

Multiposition Steatite Sockets

Exceptionally high di-electric strength, low power factor and high electrical resistivity. Easy to mount. Metal adapter plate can be screwed or riveted to panel or removed and socket mounted directly into chassis with wire retainer ring. Socket mounts in 1⅛" hole (large size seven prong in 1⅞" hole). Slotted holes in steel adapter plate 1½" to 2" mounting centers. **Approved by U.S. Army and Navy.** Used in the United States Signal Corps and wherever a **low loss high quality socket** is required.

Stock Number	Number of Prongs	Price Each	Ten For
3J6710	4	24c	$2.28
3J6711	5		
3J6712	6		
3J6713	7S		
3J6714	7L	29c	$2.75
3J6715	8*		

*For New Metal Tubes

Bakelite Sockets

Moulded black bakelite. Have guide for tube prongs. Tubes quickly and easily inserted. Perfect contact. Easy to mount above panel or below panel of any material and not over ⅝ inch thick. Mounting holes have 1¼" centers.

Stock Number	Prongs	Price Each	Ten For
3F6120	4	15c	$1.45
3F6121	5		
3F6122	6		
3F6123*	5-6	22¢	2.10
3F6124†	7-7S	22¢	2.10
3F6130	8(Octal)	23¢	2.20

*†These are combination sockets.

Isolantite Sockets

High insulating qualities. Especially effective on high frequencies. Slotted mounting groove 1⅛" to 2".

Stock Number	Number of Prongs	Price Each	Ten For
3J6125	4	25c	$2.35
3J6126	5		
3J6127	6		
3J6129	7S		
3J6128	8 (Octal)		

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World Radio History

For Octal All-Metal and Glass Bulb Tubes

Modernizing Adapters

For Substituting New Tubes in Place of Older Types

Replace 45's With 47's

Single or Push Pull.
3F6029—List, $1.00.
YOUR PRICE, EACH ..... **29¢**
Ten for **$2.75**

Replace 24's with 57's 35's or 51's with 58's

Improves selectivity and sensitivity. Just plug in adapter and new tube. List, 50c.
3F6010—
Your Price... **29¢**

Adapters for Replacing Kellogg Overhead Heater

Type Tubes
401 with 27's
401 with 56's
403 with 2A5

It is now possible to replace all the old type expensive Kellogg Tubes with the latest types of more efficient and lower priced tubes. It is less expensive to buy these adapters and new type tubes than to replace with old style Kellogg tubes.

To Replace 401 with 27
3F6131—Na-Ald 954K27.
To Replace 401 with 56
3F6132—Na-Ald 954-401.
To Replace 403 with 2A5
3F6133—Na-Ald 964-403.
List Price, $1.00.
Your Price, Each..... **58¢**

Replace Large UV Tubes With Small UX Tube

To use the 30, 199, etc. tubes in circuits of the UV201A type.
3F6025—Code 419X.
List, 35c.
YOUR PRICE .. **21¢**

I. C. A. Vacuum Tube Voltmeter Kit

Contains the complete assortment of materials required to build the Vacuum Tube Volt Meter recently announced by RCA using the new Acorn Type No. 954 Pentode. For servicemen, laboratory men, experimenters, etc. The small size of the No. 954 tube and the novel structure of the meter permit the tube itself to be placed at the point of measurement, thus avoiding long leads and high input capacitances. Measurements can then be made at radio frequencies with a minimum effect on the constants of the circuit under measurement. Kit supplied complete including 6" x 5" x 1¾" shielded metal cabinet and Flexible Probe but less indicating meter for which external connection provisions are made.
3J2545—Complete with Instructions and Diagrams. Less Micro-ammeter and Tube.
YOUR PRICE **$5.88**

3J9811—Triplett 0-500 Micro-ammeter Model 321.
YOUR PRICE **$6.04**

3J716—RCA-954 Acorn Tube.
YOUR PRICE **$5.80**

Adapter Tops and Bottoms

Make Any Style Tube or Test Adapter

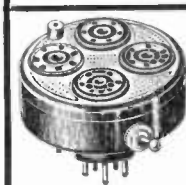
Permits any style tube or test adapter to be made quickly. The top is a standard molded bakelite socket. The base is molded with hollow prongs. Connecting wires when attached to adapter top and pulled through hollow base prongs and soldered, hold the two sections neatly and securely together. Desired connections from top to base can be made quickly and easily. A job equal to a factory product at a great saving in cost. A hole on the side of the base measuring ¼" permits taps from any circuit to be brought out. Body size 1⅛ inches. Height of top and bottom assembled 1 inch.

Bottom Sections				Top Sections			
Stock No.	No. Prongs	Your Price	Ten For	Stock No.	Number of Holes	Your Price	Ten For
3F6155	4	10¢ Each	95¢	3F6160	4	12¢	$1.10
3F6156	5			3F6161	5		
3F6157	6			3F6162	6		
3F6158	7S			3F6164	7S		
3F6159	7L			3F6163*	7S-7L		
3F6173	8			3F6174	8		

*Combination 7 large and 7 small.

Knock-Down Adapter Kit

An essential adapter kit for every serviceman. Contains 5 standard molded sockets and 5 bases—one socket and base each 4, 5, 6, 7 small and 7 large. Supplied complete with all necessary hardware for quick assembly of any desired adapter.
3F6154—List, $1.75.
YOUR PRICE **$1.02**



NA-ALD

950XYLA Multi-Adapter
3F8001—List Price, $5.00.
Your Price **$2.94**

Tests Over 120 New Glass Bulb Tubes

If your tube-checker will not check any of the following tubes, you need this adapter: 1, 1-V, 2A5, 2A6 (Dio), 2A6 (Tri.), 2A6S (Di.), 2A6S, (Tr.), 2A7, 2A7S, 2B7, 2B7S, 2F7 (Pent.), 5Z3, 6A4, 6A7, 6A7S, 6B7, 6B7S, 6C6, 6C7, 6D6, 6D7, 6E7, 6F7 (Pent.), 6F7S (Pent.), 6Z3, 6Z4, 12Z3, 14, 15, 18, 19, 25Z5, 29, 33, 36, 36A, 38, 38A, 39, 39A, 41, 42, 43, 44, 46, 47, 48, 49, 52, 55 (Dio.), 55 (Tri.), 55S (Dio.), 55S (Tri.), 57, 57A, 57AS, 57S, 58, 58A, 58AS, 58S, 59, 59B, 64, 64A, 65, 65A, 68, 68A, 69, 70, 75 (Dio.), 75 (Tri.), 75S (Dio.), 75S (Tri.), 77, 78, 80, 80M, 81M, 82, 83, 83-V, 84, 85 (Dio.), 85 (Tri.), 85AS (Dio.), 85AS, (Tri.), 85S (Dio.), 85S (Tri.), 87, 88, 88M, 89, 89B, 90, 92, 95, 96, 98, 257, 291, 293, 295, 985, 986, AD, AE, AF, AG, G2, G2S, G4, G4S, G84, GA, HZ50, KR1, KR2, KR5, KR20, KR22, KR25, KR28, LA, P5, P861, PA, PZ, PZH, Wund. B, and Wund. BB. All these tubes are checked with the 950 XYLA in the 24 socket of your tube checker, setting filament switch as directed.

Speaker-Headphone Switching Adapters

Designed for connecting headphones in the grid circuit of any receiver. **Toggle type switch on control box permits changing from speaker to headphones as desired.** Adapters fit under power tubes. Supplied for use with single or push-pull outputs. Ideal for DX reception on all-wave sets, deaf persons, hospitals, schools, etc. or wherever speaker operation is not desired.

Single Output
3J6136—4-Prong Adapter. For use only with self-biased power tube.
3J6137—5-Prong Adapter.
3J6138—6-Prong Adapter.
YOUR PRICE **$1.45**

Push-Pull Output
3J6139—4-Prong Adapter.
3J6140—5-Prong Adapter.
3J6141—6-Prong Adapter.
YOUR PRICE **$1.63**

Mike or Phono Adapters

3F6180—5 Prong.
3F6181—6 Prong.
3F6182—7 Prong small.
List Price, $1.00.
YOUR PRICE
54¢

Split cathode connections. Used as a phonograph or microphone adapter by inserting under detector or 1st stage audio tube.

Wafer Adapters

With Lug Taps

Two discs of bakelite riveted together. Holes punched for tube prongs. In each hole is a metal contact connected to a lug. Lugs can be bent to any position.

3F6145—4 prong. } List Each 50c.
3F6146—5 pronc. } YOUR PRICE
3F6147—6 prong. } Each **12c**
3F6148—7 prong. } 10 for **$1.05**

Universal Output Meter Adapter

Contacts plate prong. Insulated for shielded sockets. 5 foot lead with cord tip.
3F8021—List Price, 35c.
YOUR PRICE ..... **21¢**

MEISSNER Equalizing Condensers

Extremely small. Special treated alloy plates. Best Mica Dielectric. Fine thread screw adjustment. High overall efficiency. Capacity range 3 to 30 MMF.
3F7070—Ceramic Base Ea. 12c
3F7071—Bakelite Base Ea. 9c

MEISSNER Junior Trimmers

For use as trimmers or padders in high and intermediate frequency circuits. Isolantite base. Plates of special alloy with separators of finest grade mica. Fine thread screw adjustment.

Stock Number	Capacity Range	Your Price
3F7072	10 to 70 MMF	18c
3F7073	30 to 160 MMF	21c
3F7074	60 to 300 MMF	24c
3F7075	110 to 475 MMF	29c
3J7069	500 to 1125MMF	44c

Grid Clips, Studs, and Adapters

Double Grid Clip

For All-Metal Octal Tubes

Permits grid cap connections to be made on both the regular glass bulb type and new All-Metal tube caps. Housed in a bakelite case. Completely insulated. Fitted with 15" lead and tip jack.
3F6472—List Price, 30c.
YOUR PRICE, EACH..... **18¢**
3F6473—Without Lead 12c

Grid Clip Adapter

Plugs into regular grid clip. Permits making grid connection on All-Metal tube grid caps without additional wiring. Clip end fits All-Metal tube grids. Solid end fits in standard grid clip.
3F6474—List Price, 15c.
YOUR PRICE ..... **9¢**

Double Grid Terminal Stud

For attaching to the grid lead of analyzers in place of the single grid stud. Permits connecting on one end of the stud all of the regular glass bulb tube caps. The other end of stud is for connecting the smaller grid caps used on the All-Metal tubes.
3F6475—List Price, 10c.
YOUR PRICE ..... **6¢**

All-Metal Tube Grid Clips

Spring tension. Positive contact. Brass, nickel plated.
3F6476—
YOUR PRICE, 10 for ..... **21¢**

With Solder Lug

3F6477—Grid clip with tubular metal terminal for making convenient and neat soldering connection.
YOUR PRICE, 10 for ..... **29¢**

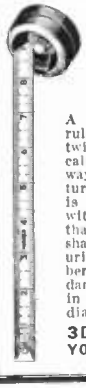
Socket Wrench Set and Screw Driver

3J4680
List Price, $2.00
Your Price
94c

A very complete outfit including all sizes socket wrenches used in Radio Servicing. 4" Extension and 6" long offset handle enable you to reach any part of any chassis. One each ⅜", ⅞", ⅝", ⅞", ⅝" hex. sockets. Also one internal knurled socket to fit any 12 point Double Hex. nut between sizes ⅜" and ⅝". Knurled wooden handle with hexagonal shaft that serves also as a screwdriver. Metal parts hardened steel cadmium plated. All packed in substantial box

Spring Steel 72 Inch Rule

Roll-Away Type



A new semi-flexible steel rule, which may be bent, twisted or folded in practically any manner and will always spring back to its natural form The spring tape is so tempered and curved with the width of the rule that it holds its nearly rigid shape for all ordinary measuring purposes and may be bent or curved at will without damage to the rule. Rolls up in a compact metal case 2" diameter. 1" thick.
3D4535—
YOUR PRICE ..... **49¢**

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World Radio History

Newest Analyzer Plugs and Adapters

Testing Adapters for All-Metal Tubes

For Testing 5Z4
In 80 Socket

8 hole top—4 prong base. Tests the new All-Metal 5Z4 full-wave rectifier in the type 80 socket, of any tube checker.

3F8101—List, $1.00. YOUR PRICE ..... **59¢**

For Testing 6A8, 6B6, 6C5, 6D5, 6F6, 6J7, 6K7, 6L7, 6Q7, 6R7 and 25A6

in any 6 prong socket such as 41, 42, 43, 75, 77, 78, and 85 of any tube tester Octal top with 6 prong base.

3F8102—List, $1.00. YOUR PRICE ..... **59¢**

For Testing 6N7
In 6A6 Socket

8 hole top—large 7 base. Tests the new All-Metal Class "B" twin amplifier tube in the 6A6 socket of any tube checker.

3F8103—List, $1.00. YOUR PRICE ..... **59¢**

For Testing 6H6
In 85 Socket

8 hole top—6 prong base. Tests the new All-Metal tube type 6H6 in the 85 diode socket of any tube checker.

3F8104—List, $1.00. YOUR PRICE ..... **59¢**

For Testing 6A8, 6C5, 6D5, 6F6, 6J7, 6K7, 6L7
In 36 Socket
6N7 in 37 Socket

8 hole top—5 prong base. Tests all the above new All-Metal tubes in the 36 and 37 socket of any tube checker. Lead with new miniature grid cap attached. Regular control grid stud, in base.

3F8105—List, $1.50. YOUR PRICE ..... **88¢**

For Testing 6H6
In 36 Socket

8 hole top—5 prong base. Tests the new type 6H6 All-Metal tube in the 36 socket of any tube checker. A specially designed resistance net work supplies the diode plates with the proper value of diode test voltage and current. A switch on the adapter provides for checking each section for matching purposes, etc. Approved by metal tube engineers for checking this unusual tube.

3F8106—List, $2.50. YOUR PRICE **$1.47**

Analyzer Adapters For All-Metal Tubes

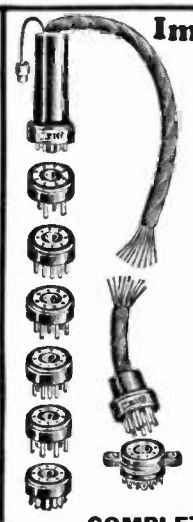
For modernizing analyzers not originally designed to test receivers employing the All-Metal tubes.

8 Prong (Octal) Base—Small 7 Hole Top

3F8131—For converting any small seven prong analyzer plug to analyze the circuits of All-Metal tubes.

8 Hole (Octal) Top—Small 7 Prong Base

3F8129—For accommodating all of the All-Metal tubes in the small seven hole socket of any set analyzer. List Price, $1.00. YOUR PRICE, Each..... **59¢**



Improved Latch-Lock Plug
With Improved Adapters

New type of moulded bakelite analyzer plug and adapters for modernizing your present test equipment or for building your own analyzer. Five adapters are required for the 4, 5, 6, 7 large and 7 small prong glass bulb tubes, and one adapter for the new All-Metal (Octal) Tubes. Adapters are locked to analyzer plug by a latch type lock. A double control grid stud fits both the glass bulb type and All-Metal type tube caps. Plug base is fitted with a special key type guide, making it impossible to incorrectly place into adapters. Body length of analyzer plug only 2¾". Adapter height less than ½". Diameter of plug base and adapters only 1⅛". Enters all closely shielded sockets and is no higher than the tube itself.

3F8111—Latch-Lock Type Analyzer Plug only with dual grid stud. Less cable. List Price, $2.50. YOUR PRICE **$1.47**

3F8112—Latch-Lock Type plug with wired in dual grid stud and 5 ft. of nine wire cable attached. Completely assembled. List Price, $4.00. YOUR PRICE **$2.31**

3F8134—10 prong cable plug and ten hole socket for mounting on analyzer panel. List Price, $1.50 YOUR PRICE ..... **88¢**

COMPLETE Analyzer Plug, Cable, Cable Plug, Socket and Adapters

Latch-Lock type analyzer plug with 5 ft. nine wire cable and wired in dual grid stud. Cable is fitted with a ten prong finger grip type cable plug. A ten hole socket is included for mounting on analyzer panel. (Ninth contact in center). 6 associated adapters for testing both the new All-Metal Octal eight prong Tubes and regular glass bulb tubes included. See listing of special adapters at right for using plug in blocked octal sockets.

3J8119—Complete Kit. List, $11.50. YOUR PRICE **$6.76**

Associate Adapters

For use with the above analyzer plug in all glass tube sockets and All-Metal Tube 8 hole sockets.

Stock Number	Prongs Base	For Tubes	Price Each
3J8113	4	Glass	59c
3J8114	5	Glass	
3J8115	6	Glass	
3J8116	7S	Glass	
3J8117	7L	Glass	
3J8118	8	Metal	

Special adapters for use with Octal sockets not having 8 holes.

3J8139	7	Metal	59c
3J8140	6	Metal	
3J8141*	5	Metal	
3J8142†	5	Metal	

*For 5Z4 † For 6F5

Latch-Lock Type Analyzer Plug and Adapter Kit

974DSA 975DSA 976DSA 977DSA 978MSA

For Glass Bulb and New All-Metal Tubes

Moulded bakelite 7 prong small base analyzer plug with detachable handle. Handle has one built-in grid connection for glass bulb tubes and another for All-Metal tubes. Particularly recommended for use in replacing worn out plugs on last years test equipment where it is not desirable to rewire circuit to use the new 8 prong kit listed above. Plug is equipped with special latch for locking adapters to plug. Latch is dead eliminating possibility of shock. Body of plug 3" long. Molded bakelite latch type adapters have ¾" high bodies.

Analyzer Plug

3J8135—Analyzer plug only. No cable. List, $1.50 YOUR PRICE ..... **88¢**

3J8136—Analyzer plug with 5 foot 8 wire cable attached. List, $2.50. YOUR PRICE **$1.47**

3J8137—Special 8 hole socket for analyzer panel and 8 prong cable terminal plug. For use with above kit. List, $1.00. YOUR PRICE ..... **59¢**

Complete Kit Assembled and Wired

3J8138—Analyzer plug with 5 foot 8 wire cable attached and five wire latch type adapters to fit all types of glass tube sockets and the new all-metal tube 8 hole Octal socket. 8 prong cable terminal plug attached and panel socket included. Complete as illustrated. See listing below for special adapters to fit Octal sockets having less than 8 holes. List Price, $7.75. YOUR PRICE .. **$4.55**

Associate Adapters For Latch Type 7 Prong Plugs

Fit latch type small 7 prong analyzer plugs. Genuine bakelite bodies. Fit into closely shielded sockets.

*Fits into Octal sockets not having 8 holes.

Such sets as Atwater-Kent, Zenith, etc., have sockets with blocked holes. The regular 8 prong Octal adapter cannot be inserted in blocked Octal sockets.

For Glass Tube Type Sockets

Stock Number	Alden Number	Prongs Base	PRICE, EACH
3J8018	974DSA	4	44c
3J8017	975DSA	5	
3J8016	976DSA	6	
3J8019	977DSA	7L	

For Octal Type Sockets

3J8130	978MSAO	8	73c
3J8012*	977MSAO	7	
3J8013*	976MSAO	6	
3J8014*	975MSA	5 (5Z4)	
3J8015*	975MSAO	5 (6F5)	

NA-ALD 950 GEM Universal Metal Tube Checking Adapter

3F8127—List Price, $6.50. Your Price **$3.82**

Permits testing all types of All-Metal Tubes in the 36 socket of any tube checker. A single unit containing three octal sockets for testing all types of the New All-Metal Tubes. Two toggle Switches permit a complete test on every metal tube including both plates of the 5Z4, 6H6 and 6N7 double plate and tubes. Eliminates numerous individual adapters. Complete unit is housed in an attractive moulded bakelite case. Directions for testing are etched on a metal escutcheon plate. Case is fitted with large size stud terminal and the new small size metal tube grid cap. Dia. 3½", hgt. 2¼".

Non-Locking Plug and Wired Adapter Kit

For Glass and Octal All-Metal Tube Sockets

Consists of a large 7 prong bakelite plug with detachable handle, five moulded bakelite wired adapters and a double grid terminal stud. Wired adapters have large 7 hole tops and 4, 5, 6, small 7 and Octal 8 prong bases. No cable is supplied for the analyzer plug. On page number 94 is listed suitable 8 conductor cable for making plug connections. Dual grid stud may be wired-in at plug and also connected to eight wire for grid connection at analyzer. Plug is only 2½ inches high. Diameter of adapters only 1⅛ inches. Convert your "Point to Point" tester for use as an analyzer or modernize old test equipment with this kit. At our low price no serviceman can afford to be without it.

3J8072—List Price, $3.50. Your Special Net Price Complete Kit, Only **$1.95**

Special Unwired Analyzer Plug and Adapter Kit

For Glass and All-Metal Tube Sockets

Molded small 7 prong bakelite plug with detachable handle. Adapters have molded bases and tops which protrude over the metal shell body. Analyzer plug body 2½" high. Adapter bodies 1⅛" high. Kit includes Analyzer Plug, Dual Grid Terminal Stud, Five Unwired Adapters for 4, 5, 6, 7L hole sockets and 8 prong Octal socket. Instructions for wiring analyzer plug and adapters included.

3F8071—Complete Kit. YOUR PRICE **$1.35**

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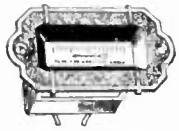
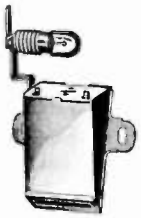
World Radio History

READRITE Tuning Meters

Code TM 102



Code TM108



Code TM 121

Code TM 103

For Accurate Visual Tuning

For replacements in A.V.C. sets or for modernizing sets not equipped with A.V.C. High resistance type milliameter. The circuit is brought into resonance when the needle swings to its farthest point. Insure tuning accurately with best tonal quality. Bulb supplied with Model TM-121 only.

TM-103
Front or bottom illuminated type with opague dial.

Stock Number	Scale M. A.
3F2650	0-5
3F2651	0-7
3F2652	0-10
3F2653	0-15

TM-102
Needle Shadow Type, with Translucent Dial.

Stock Number	Scale M. A.
3F2654	0-5
3F2655	0-7
3F2656	0-10
3F2657	0-15

TM-108
Rear Lighting Type with opague dial.

Stock Number	Scale M. A.
3F2658	0-5
3F2659	0-7
3F2660	0-10
3F2661	0-15

TM-121
Shadow Graph Type; Indicates resonance at Narrowest Point.

Stock Number	Scale M. A.
3F2666	0-5
3F2667	0-7
3F2668	0-10
3F2669	0-15

Tuning Meter Prices

Choice of any type above, less escutcheon. List, $1.50 } YOUR PRICE **88c**

ESCUTCHEONS

3F2663—For TM102-3
3F2664—For TM108
3F2665—For TM121
} List Each 30c } Your Price **18c**

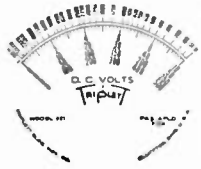
Multi-Deck Selector Switches

Especially designed for use in testing equipment. 19 active and 1 off positions per deck. Smooth operating, new positive click type with low resistance contacts. Lugs for solder connections. Single hole mounting. Bakelite insulation. Bakelite pointer knob included.

Stock Number	Decks	List Price	Your Price
3F2678	One	$2.00	$1.30
3F2679	Two	2.50	1.63
3F2680	Three	3.00	1.96
3F2681	Four	3.50	2.29
3F2682	Five	4.00	2.62
3F2683	Six	4.50	2.94
3F2684	Seven	5.00	3.27

Triplett O-1 Milliammeters

Fitted with Special V-O-MA Scales



100 ohms internal resistance. Equipped with knife-edge pointers and zero adjusters. Supplied in polished black bakelite cases. Shunts and resistor for obtaining the various ranges specified are listed below each meter. Wiring diagrams supplied with each meter. Model 321-3½" Meter. Scale reads: 30-300-600 volts; 30-300 milliamperes; 100,000 ohms.

3F9877—List Price, $7.50.
YOUR PRICE **$4.90**

Shunts and Resistors for Above Meter

3F9878—(Code 30). Resistors mounted on Bakelite for obtaining 30-300-600 volt ranges.
YOUR PRICE **$5.71**

3F9879—(Code 31). Shunts mounted on Bakelite for 30-300 milliamperes.
YOUR PRICE **$1.30**

3F9894—(Code 64). Current Limiting Resistor for 100,000 ohms.
YOUR PRICE **65c**

Model 321-3½" Meter. Scale reads: 10-50-250-500 v.; 10-50-250-500 milliamp.; 100,000 ohms.

3F9895—List Price, $7.50.
YOUR PRICE **$4.90**

Model 521-5½" Meter. Scale reads: 10-50-250-500 v.; 10-50-250-500 milliamp.; 100,000 ohms.

3F9896—List Price, $10.50.
YOUR PRICE **$6.86**

Shunts and Resistors for Above Meters

3F9897—(Code 10). Resistors mounted on Bakelite for obtaining 10-50-250-500 volt ranges.
YOUR PRICE **$5.71**

3F9898—(Code 11). Shunts mounted on Bakelite for 10-50-250-500 milliamperes.
YOUR PRICE **$3.26**

3F9899—(Code 12). Current Limiting Resistor for 100,000 ohms.
YOUR PRICE **65c**

Triplett Resistance Instruments

Scale Markings as Listed Below
Model 321-3½" Meter Bakelite Case

Stock Number	Range Volts	Range Ohms	List Price	Your Price
3F9650	0-1.5	0-1000	$7.00	$4.58
3F9651	0-1.5	0-100,000	8.25	5.39
3F9652	0-4.5	0-50,000	8.25	5.39
3F9653	0-4.5	0-150,000	8.25	5.39
3F9687*		0-100	6.75	4.41

*0-100 Resistance Instruments require 1.5 Volts

Resistance Meter

Readrite Model 501

3E2685—
YOUR PRICE **$1.62**

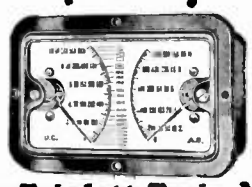
Direct reading volt ohmmeter, 0-4½ volts, 0-10,000 ohms. 2" flange type meter. Requires three small flashlight cells which with resistance to be measured are connected in series with the meter. Accuracy within 10% with fresh batteries.

Portable Volt Ohmmeter

Pocket Size

3J2503—
YOUR PRICE **$2.30**

Convenient as a pocket watch. 3" Diameter, 1½" deep with 24" test leads. Range 0-10,000 ohms, 0-300 D.C. volts. Self contained flash light cells.



New Triplett Twin Meter

Combination A.C.-D.C. Volt-Ohm-Milliammeter

3F2593—Triplett Model 120 Combination Meter. List Price, $15.50.
YOUR PRICE **$10.12**

This combination meter together with the accessories listed below can be used to build a Precision Testing Instrument providing all the readings required for Radio Service or Engineering work. Consists of two separate complete 3½" meter movements mounted in a single rectangular bakelite case, size 4⅞"x2⅞"x1¾" deep, with overall flange size, 5⅝"x3⅝". The D.C. meter is a d'Arsonval jewelled bearing moving coil type resistance 2,000 ohms per volt, having multiple ranges of; 0-10-50-250-500-1000 Volts; 0-1-10-50-250 Mills; 0-1500-1½ meg.-3 meg. Ohms. The A.C. meter is a moveable iron repulsion type with sapphired jewelled bearings having multiple ranges of 0-10-50-250-500-1000 Volts. Knife edge pointers. Easily read scales. This is the same duplex meter as supplied in the Model 1200 Triplett Master Unit. Accuracy of both A.C. and D.C. meters within 2%.

Essential Parts

Required with Above Twin Meter for Building A.C.-D.C. Volt-Ohm-Milliammeter

3F2594—Complete kit of resistors and shunts. List, $10.75.
YOUR PRICE **$7.01**

3F2595—Rheostat Assembly for ohms zero adjustment. List, $2.50.
YOUR PRICE **$1.65**

3F2679—Selector Switch (2 deck, 20 points). List, $2.50.
YOUR PRICE **$1.64**

3F2603—.5 Mfd. Condenser for output measurements. List, 50c.
YOUR PRICE **32c**

3F2601—Complete set of Blue Prints and Instructions. List, $1.00.
YOUR PRICE **66c**

Special Triplett Twin Instruments

The New Twin Triplett Instrument illustrated above is furnished in any combination of A.C. or D.C. instruments. Both meters are mounted in the Bakelite case which requires a minimum of space and offers greatest convenience in service. The price of the Twin instrument is the sum total of the prices quoted for the two separate 3½ inch instruments selected as listed on the opposite page.

Other Special Triplett Meters

Radolek can supply you promptly with every type of Triplett Instrument whether or not listed on these pages. Send for Triplett bulletin if you do not have the list prices or sufficient information. Your discount is uniformly 33⅓-2% from Triplett List Prices.

Compact Volt-Ohm Meters

Exceptionally compact circuit testing instruments; easily fits into the pocket. Service engineers will find them especially useful, handy and convenient, where larger and expensive instruments require more space and time. The units have self contained batteries and 30" test leads attached. Batteries are easily replaced by removing the back. Dimensions either instrument: 1⅝x2⅞x3⅞ in.

Simplex

Model 271

List Price, $5.50.
3J2690—
YOUR PRICE **$3.23**

Voltage ranges, 0-3, 0-30 and 0-300 D.C. Resistance range, 0-10,000 ohms. Magnetic vane type meter. This instrument is adapted for purposes where precision is not necessary and low resistances are handled. An ideal instrument for estimating service calls. Attractive walnut bakelite case.

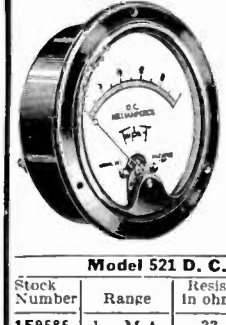
Precision

Model 272

List Price, $13.25
3J2691—
YOUR PRICE **$7.79**

Voltage ranges, 0-5, 0-50 and 0-500 D.C. resistance range, 0-500,000 ohms. Moving coil type meter. "0" adjustment. Accuracy within 2%. 1,000 ohms per volt. Ohmmeter has screw type full scale adjuster to compensate for gradual reduction of battery voltage. Attractive black bakelite case.

Triplett 5¼" Giant Meters



Giant Panel Test Instruments Flush Mounting in 4⅜" hole requires 2¾" to 3" clearance Knife Edge Pointers. Mirror back scales. All ranges available. Most popular sizes are listed below. A.C. models employ repulsion type movable iron vain action. D.C. models use standard d'Arsonval jewelled bearing movements with chrome steel permanent magnets. Supplied in bakelite cases. D.C. scale length: 3⅛", A.C. scale length 2⅞". Accuracy 2%.

Prices are for meters without mirror scales and knife edge pointers. Add $1.33 net extra if mirror scale and knife edge pointer is desired. Special scales and double range meters can be supplied at additional cost.

Model 521 D. C.				Model 531 A. C.			
Stock Number	Range	Resist. In ohms	Your Price	Stock Number	Range	Resist. in ohms	Your Price
1E9585	1 M.A.	33	$ 6.54	1E9591	10 M.A	1950	$6.54
1E9586	0.5 M.A.	156	8.33	1E9592	250 M.A.	1.2	5.49
1E9587	0.2 M.A.	185	11.27	1E9593	3 Amps.	.02	5.49
1E9588	10 Amp.	.005	5.49	1E9594	10 volts	160	5.49
1E9589	300 Volts	.3 meg.	7.84	1E9595	150 volts	151,500	6.54

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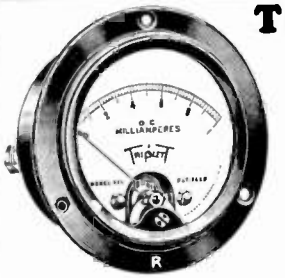
World Radio History

TRIPLETT PRECISION METERS

Guaranteed Accuracy Within 2% at 72° F.

Genuine d'Arsonval Moving Coil Type

Rugged dependable meters for radio service, experimental, and educational use. Standard in size, range and appearance. Clear white enameled dials. Balanced aluminum indicating pointer. Zero adjustment. Genuine polished sapphire jewelled bearings. Bakelite or Metal dustproof cases with glossy black finish. Cases should not be removed. Triplett meters offer the greatest value in the low price instrument field, having many features heretofore restricted to the higher priced meter lines.



3½ INCH Models 321—331

Model 321 D.C.—331 A.C. Flush Type, wide flange. 3½" diameter. Scale length 2⅜". Mounting hole centers 2¾".

Model 223 D.C.—233 A.C. Flush Type. Fits into 2" hole. Metal case has narrow rim and mounts with rear clamp. Bakelite case has wide flange with 2 5/64" Mounting centers.

2 Inch Models 223 D.C.—233 A.C.

(Flush Mounting)

3½" Model 321			2" Model 223	
Stock Number	Your Price	RANGE	Stock Number	Your Price
D. C. MILLIAMMETERS				
3E9610 3E9611 3E9612	$4.55	0-1 Mils. 0-1.5 0-3	3E9654 3E9655 3E9656	$3.75
3E9613 3E9614 3E9615 3E9616	3.75	0-5 0-10 0-15 0-25	3E9657 3E9658 3E9659 3E9660	2.94
3E9617 3E9618 3E9619 3E9620	3.75	0-50 0-75 0-100 0-200	3E9661 3E9662 3E9663 3E9664	2.94
3E9621 3E9622 3E9623 3E9624 3E9625	3.75	0-250 0-300 0-500 0-750 0-1000	3E9665 3E9666 3E9667 3E9668 3E9669	2.94
3E9626 3E9627 3E9628 3E9629 3E9630 3E9631	$ 5.39 3.75 6.86 6.86 6.17 6.17	.5-0-.5 100-0-100 0-1-10 0-1-25 0-15-150 0-25-250	3E9670 3E9671 3E9672 3E9673 3E9674 3E9675	$ 4.33 2.94 5.83 5.83 5.17 5.17
D. C. AMMETERS				
3E9676 3E9677 3E9678 3E9679 3E9680	$3.75	0-1Amps. 0-3 0-5 0-10 0-25	3E9700 3E9701 3E9702 3E9703 3E9704	$2.94
3E9682 3E9683 3E9684 3E9685 3E9686	3.75	1-0-1 5-0-5 10-0-10 20-0-20 30-0-30	3E9706 3E9707 3E9708 3E9709 3E9710	2.94
D. C. MICROAMMETERS				
3E9811 3E9812	$ 6.04 7.84	0-500M.A. 0-200	3E9815 3E9816	$ 5.04 6.86

3½" Model 321			2" Model 223	
Stock Number	Your Price	RANGE	Stock Number	Your Price
D. C. VOLTMETERS *125 Ohms Per Volt*				
3E9712 3E9713 3E9714 3E9715	$3.75	0-1Volts 0-3 0-5 0-10	3E9750 3E9751 3E9752 3E9753	$2.94
3E9716 3E9717 3E9718 3E9719 3E9720	3.75	0-15 0-25 0-50 0-100 0-150	3E9754 3E9755 3E9756 3E9757 3E9758	2.94
3E9721 3E9722 3E9723 3E9724 3E9725	$ 4.58 4.58 5.39 6.04 7.18	0-200 0-250 0-300 0-500 0-750	3E9759 3E9760 3E9761 3E9762 3E9763	$ 3.75 3.75 4.33 5.17 6.17
3E9726 3E9727 3E9728 3E9729 3E9730	9.31 11.44 3.75 3.75 3.75	0-1000 0-2000 3-0-3 50-0-50 150-0-150	3E9764 3E9765 3E9766 3E9767 3E9768	8.33 10.46 2.94 2.94 2.94
D. C. VOLTMETERS *1000 Ohms Per Volt*				
3E9769 3E9770 3E9771 3E9772	$5.39	0-5Volts 0-10 0-25 0-50	3E9797 3E9798 3E9799 3E9800	$4.33
3E9773 3E9774 3E9775 3E9776 3E9780 3E9781 3E9782	$ 5.71 5.71 6.53 7.18 7.18 10.78 10.29	0-100 0-150 0-300 0-500 0-15-150 0-250-750 0-15-60-300-600	3E9801 3E9802 3E9803 3E9804 3E9808 3E9809 3E9810	$ 5.06 5.06 5.83 6.53 6.53 9.63 9.14
D. C. MILLIVOLTMETERS				
3E9817 3E9818	$ 3.75 3.75	0-50M.V. 0-150	3E9821 3E9822	$ 2.94 2.94

A. C. Vane Type Meters

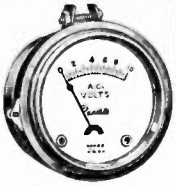
3½" TYPE 331			2" TYPE 233	
Stock Number	Your Price	RANGE	Stock Number	Your Price
A. C. MILLIAMMETERS				
3E9825 3E9826 3E9827 3E9828 3E9829	$3.75	0-15Mils. 0-25 0-50 0-250 0-500	3E9830 3E9831 3E9832 3E9833 3E9834	$2.94
A. C. AMMETERS				
3E9835 3E9836 3E9837 3E9838 3E9839	3.75	0-1Amps. 0-2 0-3 0-5 0-10	3E9842 3E9843 3E9844 3E9845 3E9846	2.94
3E9840	$ 4.47	0-25	3E9847	$ 3.75
A. C. VOLTMETERS				
3E9849 3E9850 3E9851 3E9852	$3.75	0-1.5 Volts 0-3 0-5 0-10	3E9864 3E9865 3E9866 3E9867	$2.94
3E9853 3E9854 3E9855 3E9856	3.75	0-15 0-25 0-50 0-100	3E9868 3E9869 3E9870 3E9871	2.94
3E9857 3E9858 3E9859 3E9860 3E9861	$ 4.55 5.39 7.18 8.26 10.45	0-150 0-300 0-500 0-750 0-1000	3E9872 3E9873 3E9874 3E9875 3E9876	$ 3.75 4.73 6.54 7.51 9.63
3E9862	7.52	0-7.5-15-150		

D. C. RESISTANCE METERS

3E9823—Type 321. 0/1.5 volts. 0/1000 ohms. List, $7.00.
YOUR PRICE **$4.58**

3E9824—Type 321. 0/4.5 volts. 0/50,000 ohms. List, $8.25.
YOUR PRICE **$5.39**

Readrite Model 55 A. C. Meters



For 50 to 100 cycle Commercial A.C. circuits. Accurate within 5%. Requires 2¾" mounting hole. Clamp maintains meter rigidly against panel from position in the rear. Readrite 55 A.C. meters are satisfactory for checking line voltage, amplifier tube filament current and voltage, current drain of radio sets, and refrigeration service work.

Voltmeters

Stock Number	Scale Volts	Your Price
3C2778 3C2779 3C2780 3C2781	0-4 0-6 0-10 0-15	$1.62
3C2782	0-150	$2.65
3C2783	0-300	3.23
3C2784	0-600	3.82
3C2785	0-750	4.56
3C2786	0-10-140	2.65

Ammeters

Stock Number	Scale Amps.	Your Price
3C2792 3C2793 3C2794 3C2795	0-1 0-3 0-5 0-10	$1.62
3C2796	0-50	$1.91

Milliammeters

Stock Number	Scale M.A.	Your Price
3C2787	0-25	$1.62
3C2788	0-50	

Readrite Model 65 Flange

To Fit Model 55 Meters

Wide flange 2¾ inches diameter. Fits over any type of model 55 meter, converting it into a flange mounting model. Three screw holes. Three ⅝" long 4-36 screws with nuts included. Flange and screw heads in matte black finish.

3C2799—List, Each 15c. YOUR PRICE.. **9¢**

Filament Meter

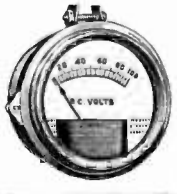
Very Special Value

Oxidized Bronze Finish, flanged cases 2¾ in. diam. Mount 2-in. hole.

3F2698—0-10 volts D.C. List, $1.00.
YOUR PRICE ..... **29¢**

Readrite D.C. Panel Meters

Without Zero Adjustment — *With Zero Adjustment*



Readrite

Model 55

Good serviceable Instruments. Guaranteed accuracy within 5% in both types. Suitable for practically all purposes except precision engineering. Require 2-5/64" mounting hole. White dial, black lettering, metal shell. Clamp included to hold meter tight against panel. Screw connections with binding nuts in rear. ZERO ADJUSTMENT TYPE has screw mounted on face which controls idle position of meter.

D. C. Voltmeters

Without Zero Adjustment				With Zero Adjustment	
Stock Num.	Your Price	Scale Volts	Ohms Resist.	Stock Num.	Your Price
3C2735 3C2736 3C2737 3C2738	59c	0-1 0-3 0-6 0-5	30 175 550 410	3D7735 3D7736 3D7737 3D7738	73c
3C2739 3C2740 3C2741 3C2742 3C2743	59c	0-8 0-10 0-15 3-0-3 0-25	850 1,475 2,914 550 1,625	3D7739 3D7740 3D7741 3D7742 3D7743	73c
3C2744	$1.62	0-25	7,720	3D7744	$1.77
3C2745	.59	0-50	3,250	3D7745	.73
3C2746	1.91	0-50	15,440	3D7746	2.06
3C2747	.88	0-100	6,500	3D7747	1.03
3C2748	1.91	0-100	30,888	3D7748	2.06
3C2749	1.03	0-150	9,750	3D7749	1.18
3C2750	1.91	0-150	46,320	3D7750	2.06
3C2751	1.91	0-300	92,640	3D7751	2.06
3C2752	2.65	0-500	154,400	3D7752	2.79
3C2753	2.65	0-60-300	92,640	3D7753	2.79
3C2754	3.23	0-750	231,600	3D7754	3.38
3C2755	1.32	0-8-160	850/16,200	3D7755	1.47
3C2756	3.23	0-20-60 300-600	180,000	3D7756	3.38

Milliammeters

Without Zero Adjustment				With Zero Adjustment	
Stock Number	Your Price	Scale M. A.	Ohms Resist.	Stock Number	Your Price
3C2766 3C2767	$1.32 1.18	0-5 0-10	2,160 700	3D7766 3D7767	$1.47 1.32
3C2768 3C2769 3C2770 3C2771	59c	0-15 0-25 0-50 0-100	295 85 20 5.5	3D7768 3D7769 3D7770 3D7771	73c
3C2772 3C2773 3C2774 3C2775	59c	0-150 0-200 0-300 0-400	3.3 1.9 .8 .5	3D7772 3D7773 3D7774 3D7775	73c
3C2776	1.18	0-20-100	175/30	3D7776	1.32
3C2777	1.18	0-15-150	305/24	3D7777	1.32

D. C. Ammeters

Stock Number	Your Price	Scale Amps.	Stock Number	Your Price
3D2757 3D2758 3D2759 3D2760	59c	0-1 0-3 0-5 0-10	3D7757 3D7758 3D7759 3D7760	73c
3D2761 3D2762 3D2763 3D2764 3D2765	59c	1-0-1 3-0-3 6-0-6 10-0-10 20-0-20	3D7761 3D7762 3D7763 3D7764 3D7765	73c

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Dependable Tube and Condenser Tester

With Large 4½" Fan Type Meter

For 105-120 Volt 50-60 Cycle Operation

Tests all types of glass bulb and All-Metal Octal tubes without adapters. New laboratory fan type meter with knife edge pointer has English reading scale marked "Poor", "Doubtful" and "Good". Five sockets on panel. Extra points on switches for wiring in sockets to test future new tubes. Only three adjustments for tube quality test. Tests both plates of full-wave rectifiers. Line voltage adjustment meter.

Short and Leakage Test

Shorts or leakage between any tube elements are indicated on a sensitive neon lamp. A ten point switch makes possible individual tests of all tube elements. **A special hot Cathode leakage test in addition** to the "Neon" leakage test is provided. This test **positively detects tubes that cause fading, noise, and either permanent or intermittent distortion.**

Condenser and Resistance Tester

Tests all paper, mica, and electrolytic condensers for capacity, leakages, shorts or opens. Capacity range .001 to .25 and .1 to 10 Mfd.; Resistance 100 to 10,000 to 100,000 ohms. Supplied with charts.

Counter Model

3J2641—Model 305C—Assembled and wired complete. Housed in sturdily constructed, fabricoid covered wood case. Etched metal sloping panel. Size 14x9¾x8".

YOUR PRICE **$21.51**

Counter Model Kit

3J2638—Model 305KC—Complete Kit of parts for constructing above tester.

YOUR PRICE **$17.30**

Portable Model

The above model housed in leatherette covered combination counter and portable carrying case. Removable hinged cover. Space for tubes and tools. Size: 14x11½x7½".

3J2648—Model 305P. Completely wired.

YOUR PRICE **$24.01**

3J2649—Complete kit of parts not wired, with carrying case.

YOUR PRICE **$19.45**

Dependable Analyzer

Model 501-P

Tests Standard Glass and Octal Tube Circuits

3J2637 — Wired Complete.

Your Price.. **$11.22**

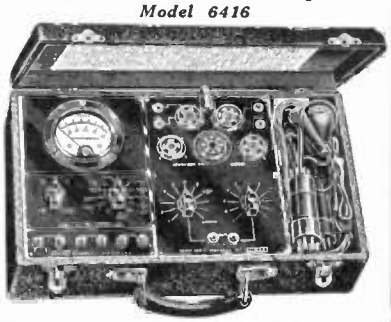
3J2638—Kit of parts with case.

Your Price.. **$9.06**

For use with any multi-tester or multi-range meter for radio receiver circuit analysis. Selector switches make circuit connections. Free reference point analysis of voltages and resistances can be made between any two tube elements. Jacks on instrument panel for current measurements. Ten wire analyzer cable and extra points on switches permit future alterations. Complete with separate Gnd. wire, analyzer cable and connector and 5 "Sure-Pull-Out" adapter plugs. Portable leatherette case. Size: 8¾x8½x4½".

Dependable Analyzer

Model 6416



Up-to-date system of analysis for all tube circuits including new octal tubes. Analyzer consists of model 501-P Analyzer unit listed above and an improved multi-tester employing a large 3½" D'Arsonval moving coil meter. 500 micro-ampere movement with 2% accuracy. Ranges are D.C. volts; 0-5-50-250-750 at 2000 ohms per volt; A.C. volts; 0-5-750; D.C.-M.A., 0-5-50-250; Ohms: 0-2000; 0-200,000; 0-2,000,000. Self contained batteries. Shunts and multipliers are of 1% accuracy. Future alterations provided for. Portable leatherette case. Size: 15x8½x5".

Assembled and Wired Complete

3J2633—Complete with all plugs, adapters, test leads and batteries.

YOUR PRICE **$28.37**

Kit of Parts and Carrying Case

3J2634—Complete kit of parts, not wired, for constructing above model. Less batteries.

YOUR PRICE **$24.01**

Dependable Model 403A Multitester

A modern, low cost instrument for portable service work and laboratory use.

D'Arsonval type meter has a sensitivity of 2000 ohms per volt and is provided with a zero adjustment for accurate calibration. Nine meter ranges conveniently selected by a rotary tap switch on panel. D.C. voltage ranges of 0-5-50-250-750 volts; D.C. current ranges of 0-50 M.A. and 0-500 micro-amperes. Resistance ranges of 0-2000-200,000 ohms and 0-2 megohms. Housed in a compact, ruggedly built Oak case. Size: 5x8x3 inches. Supplied with batteries.

3F2639—Multitester complete with batteries.

YOUR PRICE **$13.67**

3F2640—Kit of parts for building Multitester. Everything included except batteries.

YOUR PRICE **$10.44**

Dependable Multitester

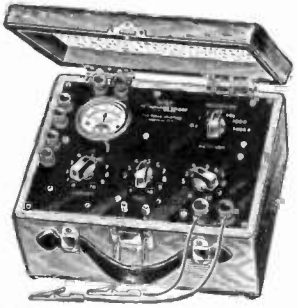
Model 405A

3J2636—Multitester Complete with batteries.

YOUR PRICE **$9.75**

An efficient unit for making measurements of voltages, currents, and resistances. Handy to have on the service bench where space does not permit larger equipment. The following ranges are provided: Volts, 0-2.5-25-125-750 D.C.; milliamperes, 0-2.5-125 D.C.; ohms, 0-100-100,000. 2½" meter has D'Arsonval moving coil and zero adjustment, accuracy 2%. Zero ohms adjustment is provided for battery deterioration. Self contained batteries. Switch makes change from low to high ohmmeter and milliampere ranges. All markings are plainly etched on black bakelite panel. Enclosed in black fabrikoid covered wood case. Size, 7½x4x3 inches. A good quality instrument suitable for ordinary service work where extreme accuracy is not required.

Muter Wheatstone Resistance Bridge



3F2646—Complete with 4½ volt "C" Battery. List Price, $49.50.

YOUR PRICE **$29.11**

A portable Wheatstone Resistance Bridge for measurement of all resistances from .01 ohms to 11 megohms with a limit of error of approximately one percent. Rheostat has three decades with a total range of 11,100 ohms adjustable in ten steps. Ratio arms are controlled by a single switch providing decimal multipliers of 0.001, 0.01, 0.1, 1., 100., 1000. Uses a highly sensitive galvanometer which is fully protected against overload damage by a special circuit design. Meter has an internal resistance of 115 ohms with a sensitivity of 7 microamps. per division. Heavily plated silver wiping contact snap switches assure minimum resistance losses. Mounted in a hand rubbed Walnut Case with leather carrying handle. Size: 9¾x8⅜x5½ inches. Weight, 6 pounds.

"Million" Neon Glow Tube and Condenser Tester

3F2645—

YOUR PRICE

$8.45

A low priced instrument which provides essential receiver testing and analyzing functions. Uses a sensitive neon glow indicator. **Tests all tubes including the new octal Metal Envelope types** by the cathode emission method. Requires only three simple adjustments of coded socket leads to make any test. Tube quality is accurately indicated by neon lamp when emission control is properly set. Positive indication of inter-element leakages and shorts up to 6 megohms.

Condenser and Resistance Tester

Tests all paper and Mica condensers for shorts and leakages and electrolytic condensers for leakage and polarity. Has facilities for external leakage and resistance tests up to 6 megohms with neon indicator. Measures resistance directly up to 10,000 ohms and to 6 megohms by comparative neon lamp readings. Can be used as neon resistance indicator for coil alignment.

Line Adjustment

Transformer primary tapped for operation on any line voltage from 90-120 volts 50-60 cycle A.C. Rugged metal black crackle finished case. Very compact, only 7x7x3".

Meter Repair Service

BEFORE **AFTER**

Guaranteed Precision Meter Repair Service for burned out or mechanically damaged meters. Erratic movements corrected. Any make, any range of A.C. or D.C. movement may be repaired in our special Instrument Laboratory. Typical rates given below, on special sizes send meter for quote. **Send Prepaid. We return Collect.**

1. Burned out or open armatures of standard 301 type 3¼" meters, including polishing of jewels, position correction, three point calibration.

YOUR COST **$3.75**

2. Repair of Sluggish or Erratic movement of A.C. or D.C. meter where armature is not burned or shorted, includes cleaning and calibration.

YOUR COST **$2.95**

3. Replacement of cracked or broken Glass in addition to any of the other services, add to cost of other services **90c**

The prices above are only for the replacement of parts specified as being supplied in each repair service. Any additional parts required, such as pointers, springs, zero adjuster, Jewel screws, case, etc., will be charged for at the lowest prices.

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New Philco Model 088 All-Wave Signal Generator

Battery Operated

A completely self-contained, and portable All-Wave oscillator for aligning i.f. and r.f. circuits in all types of receivers. **Generates fundamental frequencies from 110 to 20,000 kilocycles.** No harmonics. Five overlapping wave bands give continuous coverage. All frequencies are clearly marked on the full vision scales in large easy to read numerals. No charts, graphs or curves to bother with. A 5 to 1 ratio smooth ball bearing vernier control drive permits accurate settings. Plainly marked range selector switch on front panel. The electron coupled circuit employs one type 1C6 dual purpose tube. One section of the tube produces a 400 cycle note which modulates the r.f. oscillator. Two binding posts are provided for the output circuit which is attenuated by a smooth control of the potentiometer type. **Coils are individually adjusted with non-drift padders which provides precision calibration.** Batteries required are 1-22½ volt "B" and 1-4½ volt "C". Entire assembly is housed in a black crackle finished metal case. Satin finished, chromium plated panel. Extremely attractive appearance. Will produce a precision job of alignment on any type Radio receiver. Size: 10"x6¾"x6" wide.

3F2632—With tube, less batteries. List Price, $32.50.
YOUR PRICE **$19.11**
All necessary cables and instructions included.

DAYRAD Model 58 Universal Radio Set Tester

Point to Point with Socket Analysis

New set tester suitable for all requirements of **point to point tests, plus additional feature of receiver circuit analysis at tube socket.** Simplified circuit eliminates selector switch method. All "point to point" tests are made at the analyzer tip jacks on panel. Incorporates grid shift tube test for all tubes. Completely analyzes standard glass tube, all-metal tube and octal "G" tube circuits. Latest R.M.A. tube socket numbers and data used with this unit. Spare socket holes and tip jacks provides flexibility for any future alteration. **Large 4" square Universal Meter has 3¼" scale, 1000 ohms per volt, D'Arsonval movement, and zero adjustment.** Scale calibrated with multi-purpose scale readings of 0-3000 ohms, and 0-5, 0-25, 0-125 for easier reading of voltages and currents.

4" Universal Meter Ranges

A.C.-D.C. volts, 0-5-25-125-500-1250; **D.C. M.A.,** 0-5-25-125-500-1250; **Ohms** 0-3000; 0-30,000; 0-300,000; 0-3 megohms. **Full scale adjustment for battery deterioration.** Batteries for all ohmmeter ranges are self contained. A.C. Ranges cover complete output requirements. Rotary Switch on panel provides rapid change from D.C. to A.C. readings. Black leatherette case with removable hinged cover. Size; 12x11x5½". Weight 13 lbs.

3J2540—Complete with analyzer plug and all adapters, test prods, output leads, and batteries.
YOUR PRICE **$36.75**

DAYRAD Model 36 All Wave Signal Generator

3J2541—Complete with tubes, shielded output leads and two insulated alligator test leads.
YOUR PRICE **$31.11**

Extremely wide range, 60Kc to 60 Mc, all on fundamentals. Six overlapping bands. Ideal for building and testing "Trans-Ceivers" and all wave receivers. **Three section attenuator** controls both "Low" and "High" outputs, calibrated 0-10. **400 cycle note** available for modulation and other audio applications. **Uses three high effiency tubes:** 1-6C6 and 2-37's. For operation from 110 volt 60 cycle A.C. lines. On-Off switch on front panel.

Direct Reading Dial

Full vision direct reading dial has 38" scale (six divisions) with 6-1 drive ratio. Fine knife edge pointer. Dial calibrated 60-190 Kc, 160-550 Kc, 500-1700 Kc, 1.5-5 mc, 4.5-18 mc, 17-62 mc. Rotary type selector switch.

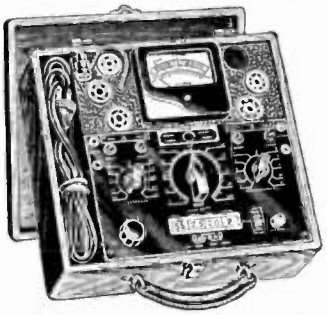
Built-In Output Indicator

Neon type output indicator **provides sensitive means of output comparison.** Adjust output control for minimum glow then align radio for maximum glow. Control provided on panel.

Effective Shielding

Cast aluminum case with individual compartments provides utmost in shielding. Removable back. **Transformer isolates oscillator from power lines, thus eliminating R.F. line leakage.** Absolute minimum signal possible. Black crystal finished case. Etched bakelite panels. Carrying handle. Controls plainly marked. Size: 10x7x4½".

DAYRAD Model 20 Tri-Test Tube Tester



3J2542—For operation on 100 to 130 volt 50-60 cycle operation.
YOUR PRICE **$31.11**

Designed to **provide complete tube check and point to point receiver circuit analysis.** Tube Tester provides quick and accurate test of all types of tubes including new metal and octal "G" types. Uses new improved modified emission test to indicate actual tube quality. **Indicates leakage** between all tube elements up to 2 megohms; and **detects noisy tubes.**

New "Index" Locator

Built-in Rotary Index Chart quickly indicates settings of the three controls for testing each type of tube. Index wheel is turned to tube type number desired and control settings are listed opposite. **Index chart is illuminated.** Blank spaces provided for writing in any new future tube type numbers with control settings.

Large Scale Meter

Large 4" square, **D'Arsonval Movement Meter has zero adjustment** and 3¼" scale calibrated Good-Bad, 0-400 volts D.C., and 0-40,000 ohms, utilizing it as a **voltmeter and ohmmeter** (4½ V. battery required). **Tests resistors, pilot lights, condensers, etc.** Zero ohms adjustment. Tip jacks on front panel for connections. Open taps on selector switches and space on panel for additional tube sockets permits future alterations. **Line voltage adjustment.** Walnut case with removable cover. Size: 12x11x5½.

Volt-Ohm-Milliampere Foundation Meter

Weston Model 301 —For Custom Built Testers

3D9409.
List Price, $10.00.
YOUR PRICE
$7.35

Designed expressly for use with external resistors and shunts, to build up a multi-range D. C. meter to read volts up to 1000 volts (1000 ohms per volt external resistors required for this purpose) or D. C. milliamperes up to 100 mils (using an external 50 M.V. shunt—Van Model 3E4891, tapped at 5-25-100 mils), and ohms up to 100,000, (in conjunction with a 4½ volt battery and a 4450 ohm resistor).

1 Milliampere Full Scale Deflection when used without external resistors or shunts. Internal resistance of meter, 50 ohms (50 Millivolts).

Bakelite case, zero adjuster, etched metal dial with black figures on silver background. 50 scale divisions with figures at each 10 divisions. Figures at full scale are 50-250-1000, for use on volt ranges. Divide by 10 for use on milliampere ranges. Top ohm scale graduated in 100 ohm steps to 2000, 500 ohm steps to 10,000, 1000 ohm steps to 20,000, 5000 ohm steps to 60,000, the next divisions being 100,000 and infinity.

Black bakelite case has front flange 3⅝" diameter. Case body diameter 2¾". Case depth back of flange, 1", with screws 1⅜". Only two binding posts with proper polarity marking.

New THORDARSON Condenser

Capacity and Leakage Tester

Build your own portable, professional type condenser analyzer. **Measures condenser capacity and determines condenser quality.** Also **indicates condenser leakages, shorts, and open circuits. Measures transformer ratios, line and voice coil impedance.** Accurate Wheatstone Bridge measuring circuit. **Sensitive Neon Glow lamp leakage indicator. Four capacity measuring ranges:** 0.001 to 0.05 mfd., .01 to .5 mfd., 0.1 to 5 mfd., and 1.0 to 50. mfds. Voltage for leakage test is secured from receiver "B" supply or separate power unit. Voltage thru neon bulb and high impedance choke automatically polarizes condenser. Headphones or Output meter may be used to determine the minimum hum position that designates balance point of the capacity bridge.

Foundation Kit

3F2624—Thordarson Foundation Kit Consisting of a solid Walnut portable carrying case, Etched and Drilled Panel with an accurately calibrated capacity and ratio scale, matched panel mounting screws, instructions and assembly plans. **$2.65**

Kits of Essential Parts

In addition to the Foundation Unit the parts listed below are required and can be purchased separately or in complete kit form.

3F3514	1 Thordarson Transformer, T-6185	$1.18
3F3518	1 Thordarson Choke, T-1892	1.03
R1-277	1 Electrad 4000 ohm control	.59
3F7119	1 ¼ watt neon bulb	.36
3D6345	4 Insulated Pin Jacks @ 5c each	.20
3D6346	4 Insulated Pin Jacks @ 5c each	.20
3F7116	1 Porcelain Socket for Neon Lamp	.28
YF1316	1 5 point single deck switch	.56
3F6815	1 Black bakelite bar knob 1¾"	.09
3F6817	1 Black bakelite bar knob 2¼"	.10

3J2621—Kit of parts as specified above **$4.59**

Aerovox Condenser Kit

Exactly fit space allowed and mounting centers provided for in **Foundation Kit.** High quality accurate condensers recommended by Thordarson.

3J8998	1 4. mfd. paper condenser 600 V.	$1.70
3J8997	1 1. mfd. paper condenser 400 V.	.74
3J8947	2 0.5 mfd. paper Cond. @ 29c ea. 400 V.	.58
3J7639	1 .05 mfd. paper condenser 400 V.	.10
3J8945	1 .005 mfd. paper condenser 400 V.	.10

3J8999—Kit of Aerovox Condensers.
List Price, $5.75.
YOUR PRICE **$3.22**

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1936 Improved Cathode-Ray Equipment

Clough-Brengle Improved Model CRA Oscillograph

Many new features have been added to this very popular model which is now used by hundreds of servicemen, the U.S. Army and Navy etc.

3J2613—Cathode-Ray Oscillograph complete with all tubes including 3-inch Cathode-Ray tube.

YOUR PRICE **$82.81**

Cathode-ray equipment has proven its value to the serviceman. Modern high fidelity receivers with variable selectivity, more complicated **A.V.C.** circuits and the increasing use of dual function tubes demand new and more scientific methods.

For Service Engineers now, backed by the new Clough-Brengle "Cathode-Ray Servicing Manual" which brings you the complete procedure for not only receiver alignment, but also the newly developed methods of tube, vibrator, condenser testing—and in fact of every component in the radio set—an entirely new and wider scope is opened for the application of this equipment to modern servicing. The Model CRA Cathode-Ray Oscillograph offers in one complete unit: **linear sweep circuit, horizontal amplifier, vertical amplifier, and complete power supply for the 3-inch Cathode-ray tube.** This improved series has all operating controls mounted on the front panel to facilitate wall mounting. The etched silver and black front panel carries added designations that greatly simplify operation. Controls provide for adjustment of sweep frequency, beam focus, brilliancy and centering, horizontal and vertical amplification, and for lock-in to secure stationary image. Tubes furnished are one type 906 Cathode-ray tube, one type 57, one type 2A5, one type 885, one type 80 and one type 81. Dimensions: 14" high, 8" wide and 18" deep.

Clough-Brengle Model OM Frequency Modulated Signal Generator

3J2614—YOUR PRICE ... **$56.60**

Specially developed for producing receiver selectivity curves, accurately calibrated in kilocycles width, when used with any standard oscillograph. May also be used as a standard oscillator for ordinary alignment procedure. Essentially similar to the Model OC described in detail on the opposite page, with the addition of the exclusive "fixed-sweep" frequency modulator circuit which gives it the necessary wabble or scanning action of the r.f. output for use with a Cathode-ray oscilloscope. A built-in 670 k.c. oscillator, which is wabbled (when desired) by a motor driven unit, over a band width of plus and minus 15 k.c. heterodynes the output of the tuneable oscillator, making possible test frequencies variable from 100 k.c. to 30 mc. which will always have a uniform frequency modulation of plus and minus 15 k.c. This makes possible accurate calibration of the resultant receiver selectivity curve which is formed on the Cathode-ray oscilloscope. Each instrument furnished with 11x17" hand calibrated chart, with a guaranteed accuracy of ½ of 1%. Ready reference chart at top of instrument contains settings for over ninety test frequencies. Supplied complete with built-in motor driven modulator and all necessary tubes, three 76s, one 6A7, and one 80, all of which are aged and laboratory tested. For 110 v. 60 cycle a.c. operation only. Dimensions: 9" high, 11¾" wide and 12¾" deep. Shipping wt. 32 lbs.

Clough-Brengle Model 81 Calibrated Frequency Modulator

3J2611—Complete with tubes.
YOUR PRICE .. **$33.57**

Converts any oscillator for use with any standard Cathode-ray oscillograph. Requires no alterations to the oscillator. Simply connect the oscillator output to the Model 81, and the Model 81 frequency modulated output to the receiver. Embodies the same calibrated sweep feature described above for the Model OM. Furnished complete for 110 v. 60 cycle operation. Uses one 76, one 6A7 and one 80 tubes. Dimensions: 11½" wide, 8" deep and 8½" high. Shipping wt. 20 lbs.

RCA Model TWV-122B Cathode Ray Oscillograph

For measuring hum and checking distortion in audio amplifiers, monitoring percentage modulation, checking modulated waveform for distortion and examining the phase shift in audio amplifiers are but a few of the problems which are easily solved through the use of the RCA Cathode Ray Oscillograph. A Visual presentation of practically all alternating current circuit functions may be quickly and easily made. Visual alignment of r.f. and i.f. circuits and "flat-topping" of i.f. circuits can be accomplished by using this unit with the Model TMV-128-A RCA Frequency Modulator and RCA TMV-97-C oscillator or any good oscillator equipped with necessary connections.

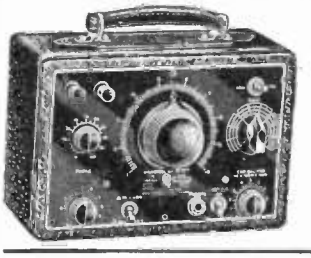
3J2504—Complete with All Tubes.
YOUR PRICE **$84.50**

RCA Piezo-Electric Calibrator

3J2506—Code 9572 Complete with crystal, tube and power supply.
YOUR PRICE **$29.95**

Checks frequencies from 100 kc. to 20,000 kc. in 100 kc. steps, and from 1000 kc. to 50,000 kc. in 1000 kc. steps. Calibrator provides two fundamentals, 100 and 1000 kc., and a series of strong harmonics. A properly ground and accurately calibrated crystal maintains its frequency more accurately than any other known device. Each calibrator supplied with individual crystal calibration showing temperature at which made. This makes possible the most accurate work in radio service, testing and design work.

RCA Universal A. C. Bridge



3J2507—Code 9600. YOUR PRICE **$49.65**

Quickly and accurately measures Inductance (100 Microhenries to 10 Henries); **Capacity** (10 Micromicrofarads to 10 Microfarads); **Resistance** (1 Ohm to 1 Megohm). Accuracy 5% overall at full scale. Measurements are made at 1000 cycles per second. Bridge includes a 1000 cycle oscillator and a 2-stage amplifier tuned to 1000 cycles in order to assure adequate voltage for making any balance required. 110 volt 60 cycle operation.

RCA Testing Equipment

Radolek can promptly supply all RCA test apparatus at the lowest dealer prices. Complete information covering any RCA item will be sent upon request. Radolek is the distributor for all prominent manufacturers.

TRIUMPH Model 420 Tube Tester

Will give complete test of all present day tubes and has provisions for future tubes.

Accurately tests all types of tubes—glass, metal and metal-glass tubes. The circuit employed has been developed to conform with the recently proposed standards for tube testing by the Tube Standards Committee of the Radio Manufacturers' Association. A new triple load test. **A separate load resistance is used for each tube group,** covering the Normal or general purpose tube, the Battery or "2 volt" group and the Diodes. Faulty cathode structure is positively disclosed. **Each element is selectively tested and a neon high sensitivity leakage test made while the tube is Hot.**

Only Five Sockets

One each for four, five, six, large and small seven, and octal tubes. All tests on any tube are made in only one socket. Only three simple adjustments for making all tests, including tests on all combination and double tubes. All test circuits are isolated from the power line. Line voltage adjustment.

For 90 to 135 Volts 50-60 Cycle A.C. Operation

3J2526—YOUR PRICE **$29.43**

Dual Purpose Case

Housed in a solid walnut cabinet. Can be used as either a counter type or portable checker. Supplied with a snap-on dust-proof walnut cover. Etched two-tone sloping test panel colored in ivory and black. Dimensions: 12½" x 7¾" x 10¼".

Radolek can supply the complete line of Triumph Test Equipment at lowest prices. Write us for literature and prices on any Instrument in which you are interested.

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World Radio History

Clough-Brengle *PROFESSIONAL* Service Instruments

Model OC All-Wave Signal Generator

- **Continuously Variable 60 k. c. to 60 m. c.**
  All on Fundamentals No Harmonics
- **A.C.—D.C. Operation**
- **Guaranteed Accuracy ½ of 1%**

3J2616—Model OC Oscillator complete with tubes and hand drawn calibration curve.

YOUR PRICE **$32.27**

25-INCH TUNING DIAL—Each of the six frequency bands is spread over a length of 25 inches by the dual acting band-spread dial employed in this instrument.

EACH INSTRUMENT HAND CALIBRATED—In the C-B Standardization laboratory, and a 11x17" calibration curve drawn. In addition, over ninety commonly used test frequencies are shown in the ready-reference chart mounted on the top of the instrument case.

WIDE OUTPUT VOLTAGE RANGE—starts at 2 Volts and by means of dual attenuators, may be reduced to a fraction of a microvolt, far less than the input sensitivity of the best receivers.

MODULATED or UNMODULATED R.F. and 400 CYCLE AUDIO OUTPUTS—cover every need for receiver alignment as recommended by various set manufacturers.

FREQUENCY STABILITY and NO LINE FEEDBACK—are assured by the use of a unique development of the electron-coupled circuit and a triple capacity and inductance filtering system.

ADAPTABLE FOR CATHODE-RAY OSCILLOGRAPH—without any alterations when used in conjunction with the Model 81 Fixed-Sweep Frequency Modulator described on the adjacent page.

CONTROLS—on front panel across the top row are frequency setting and band selector knobs. Across lower row, are 110-volt line and modulation On-off switches, jacks for 400 cycle audio output and external audio modulation, and dual output attenuators.

POWER SUPPLY—operates from any 110-volt line of any frequency alternating current or direct current. Adapter cord available for 220 volt, $2.40 net additional.

TUBES—furnished complete with one type '36 electron-coupled oscillator, one type '37 audio generator, and one type '27 rectifier. All tubes are aged and tested in the C-B laboratory.

DIMENSIONS—10¾" long, 7¼" high and 5¾" deep. Shipping wt. 12½ lbs.

Model 82 All-Wave Signal Generator

- **Direct Reading**
- **Large 8½" Scale**
- **Battery Operated**

3J2615—Complete with two tubes but less batteries.

YOUR PRICE **$19.51**

3J67—Set of batteries for above, YOUR PRICE ..... **92¢**

Combines features of many oscillators selling at far higher prices. An unusual value.

ALL-WAVE CONTINUOUSLY VARIABLE—covers from 90 k.c. to 20 m.c. all on fundamental frequencies. Strong second and third harmonics allow use down to ultra short waves.

"BAND-SPREAD" TUNING SECURED BY USE OF SIX RANGES—assures ample spacing of all frequencies for accurate setting, an invaluable feature on superheterodyne alignment.

GUARANTEED ACCURACY and STABILITY—each Model 82 is checked against crystal controlled oscillators and a frequency accuracy of 3% guaranteed. The circuit employed, with separate radio and audio generator stages, is free from frequency shift due to output attenuation or battery voltage.

OTHER FEATURES—such as, constant impedance ladder type attenuator, pre-calibrated coils, triple shielding of r.f. circuits—make this instrument an outstanding value.

CONTROLS—main tuning control is in center of front panel. Switches on either side control tube filaments and audio modulation. Wave-change switch, ladder-type attenuator and interpolating control are arranged across the lower section of the front panel.

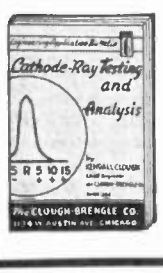
TUBES—supplied with two type '30 laboratory tested tubes.

BATTERIES—requires one 22½-volt C for plates and one 4½-volt C for filaments.

DIMENSIONS—8" high, 10" long and 6¼" deep. Shipping wt. 12¼ lbs.

Cathode-Ray Testing and Analysis

by Kendall Clough



3J5926—
YOUR PRICE ..... **25¢**

Twenty-four pages of practical information on Cathode-Ray application to radio service, engineering and transmitting problems. Contains over 60 illustrations and wave shape diagrams. Shows you how to correctly align receivers with the Oscilloscope. The alignment of the newest receivers with variable high fidelity and selectivity is fully covered.

NOTE: This book provided without cost to purchasers of any Clough-Brengle Instrument.

C-B Instruments for the Sound Man

Beat-Note Audio Oscillator

MODEL 79—Beat note audio oscillator, continuously variable from 50 to 10,000 cycles. Output voltage level across entire frequency range within two decibels. Low distortion content. Output 27 volts at 5000 ohms. Has built-in amplifier, vacuum-tube voltmeter to indicate zero-beat and output level, and power supply for operation from 110 v., 60 cycle line.

3J2612—Complete with tubes.

YOUR PRICE **$50.10**

MODEL OB—Laboratory type beat-note audio oscillator, hand calibrated 20 to 15,000 cycles. Output to 500 ohms, level within one-half decibel over entire frequency range. Less than 2% distortion content. Built-in zero-beat indicator. Used by leading laboratories, broadcasting stations and telegraph companies the world over.

3J2610—
YOUR PRICE **$109.26**

Model UD Decibel Meter (Power Level)

Portable power level indicator of the improved constant impedance type for measuring the power level in an audio line, amplifier output or for monitoring visually in theatre, broadcasting and recording work. Large three and one-half inch meter scale is hand calibrated directly in decibels. Constant impedance attenuator adds in steps of three decibels. Total range with attenuator, from minus 12 to plus 40 decibels. Complete in shielded metal carrying case, with built-in attenuator.

3J2619—
YOUR PRICE **$24.12**

Model 85 Improved UNIMETER

A low cost point-to-point analyzer and all-purpose component tester.

3J2620—Complete with battery.
YOUR PRICE **$24.41**

This new C-B Instrument features new compact size plus a larger fan-type meter having a 4-inch scale. D'Arsonval movement meter. Zero adjustment. Knife edge pointer.

SCALES—separate scales for A.C., D.C. and OHMS readings are provided. A selector switch makes available the following ranges: 0-15-150-750 Volts D.C.; 0-1.5-15-150 MA. D.C.; 0-15-150-750 Volts A.C.; and 0-100, 0-20,000, 0-2,000,000 ohms. The 0-100 ohms scale is of the shunt type greatly reducing battery drain and allowing the reading of values down to ½ ohm.

ZERO OHMS ADJUSTMENT—is accomplished for ohms ranges by a rheostat on the front panel. One setting is accurate on all three ranges, a feature that is a real time saver.

RECEIVER OUTPUT MEASUREMENT—terminal posts for inserting a condenser in the A.C. voltage ranges to block out the direct current.

EQUIPMENT—furnished complete with battery and pair of test prods and leads, one prod having a removable alligator clip. Black crackled finished metal case.

DIMENSIONS—8¼" high, 5" wide and 4¼" deep. Shipping wt. 8 lbs.

How to Use Cathode-Ray Equipment in Every Servicing Problem

Published by Clough-Brengle Co.

Here is another great contribution to the progress of radio service engineering. This big volume of practical information has just been prepared by Clough-Brengle engineers in conjunction with F. L. Sprayberry, famed author of "The Practical Mechanics of Radio." Chapters cover the alignment of all types of radio sets, amplifier overload, component parts testing, and vibrator testing with the Cathode-Ray Oscilloscope. Supplied FREE to Radolek customers with either the Model OM or Model 81, and with the Model CRA Oscillograph.

RADOLEK is First with new C-B Instruments

Every new engineering development of the Clough-Brengle laboratories is immediately available for shipment from the RADOLEK stock. In addition to the many instruments listed on these pages, we will gladly supply you at corresponding low prices, any other instrument of their manufacture. Any information concerning the application of these instruments, or more complete descriptions will be gladly supplied. **You Can Depend on Radolek.**

C-B Instruments Available On Time Payment Plan

Now you can completely equip your shop with money making modern test equipment, including the latest Clough-Brengle Cathode-Ray Servicer. Write for full information. Tell us the model numbers of the instrument you desire to purchase and we will send you complete information.

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SUPREME INSTRUMENTS

New Low Money-Saving Prices

Supreme 385 Automatic Analyzer and Tube Tester

The Professional Radioman's Test Laboratory

An Up-to-date analyzer with the flexible "Free Reference Point System" of analysis for all tube circuits, including all of the new 8-pin metal tubes.

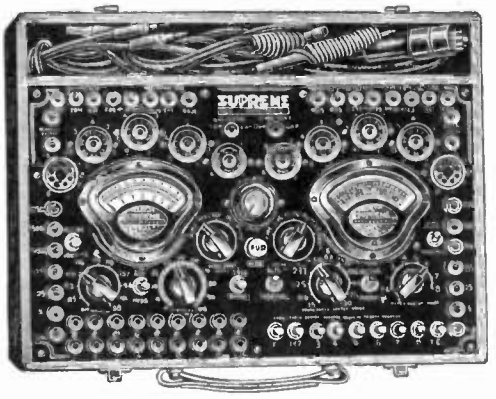
An English-Reading Tube Tester which tests all tubes (without adapters and including all of the new metal tubes) under approximate load conditions.

"Neonized Tester" for detecting any and all tube element leakages.

An Electrostatic Capacitor Leakage Tester, utilizing the special Supreme "neonized" circuit.

An English-Reading Electrolytic Capacitor Leakage Tester.

A capacitor Tester for measuring the capacity of electrostatic and electrolytic capacitors.



Provides every electrical measurement required in radio servicing.

The sensitive 5-inch fan-shaped d'Arsonval meters are made to provide (1) six D.C. potential measuring ranges of 0/5/25/125/250/500/1250 volts D.C., (2) six A.C. potential-measuring ranges of 0/5/25/125/250/500/1250 volts A.C., (3) six current-measuring ranges of 0/5/25/125/250/500/1250 milliamperes, D.C., six capacity-measuring ranges of 0/0.05/0.25/1.25/2.5/5.0/12.5 mfds., and (4) resistance-measuring ranges of 0/200/2000/20,000/200,000/2 Meg./20 Meg. ohms; the four lower ranges of the ohmmeter are powered by a self-contained flashlight battery, and the two higher, or 0/2/20-megohm ranges, are powered with a self-contained miniature "power pack." One of the meters is, also, provided with an English-reading colored tube testing scale, and a new English-reading electrolytic capacitor leakage scale, so that electrolytic capacitors can be tested for "GOOD" or "BAD" leakage characteristics in the same manner as that which has heretofore been practiced for testing tubes. It is obvious to the professional radioman who uses one of these compactly-designed testers that he has, in two meters, the equivalent of six (6) single-range D.C. milliammeters, six (6) single-range D.C. voltmeters, six (6) single-range A.C. voltmeters, six (6) single-range capacity meters, six (6) single-range ohmmeters, one (1) English reading tube testing meter, and one (1) English-reading electrolytic capacitor leakage meter, or a total equivalent of thirty-two (32) single range meters in a compact "uni-constructed" tester.

Easy to Operate

All meter ranges are selected by convenient, plainly marked rotary tap switches on the instrument panel. Each range may also be obtained by inserting test leads in proper tip jacks on panel for continuity tests if desired. Requires only three simple adjustments to test any type tube. Push buttons on panel provide inter-element tube leakage tests when pressed. Meter and Rectifier all fully protected by a special circuit design. Rectifier replacements practically unknown.

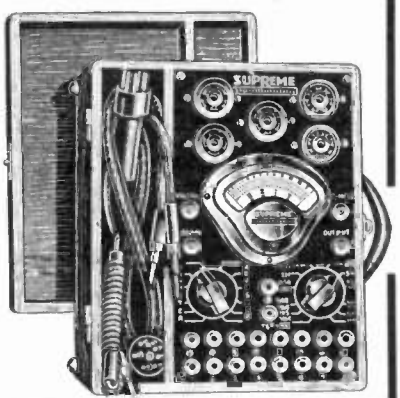
Furnished in rugged quartered oak case with carrying handle for portable use. Very compact, only 4⅞"x13⅜"x16¾". Complete accessories are supplied including analyzer adapters, eight conductor cable and plug, test leads, complete operating instructions. Case has removeable cover.

Designed for 95-125 volt 60 cycle A.C. operation with line adjustment on meter for accurate measurements.

3F2567—Model 385 Automatic, Complete.

YOUR PRICE..... $76.39

Supreme 339
Standard Analyzer

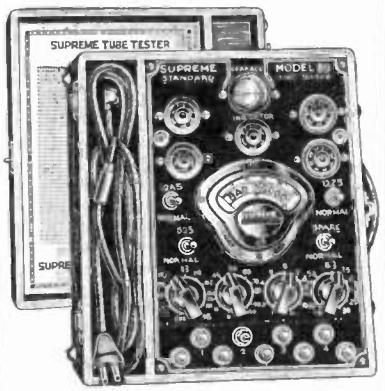


Analyzes and checks all circuits of any radio receiver. Large 5" Laboratory type meter has A.C. and D.C. voltage ranges of 0/5/125/500/1250 volts at 1000 ohms per volt, D.C. current ranges of 0/5/125 M.A. and two resistance ranges of 0/2000/200,000 ohms. All A.C. voltage ranges are available for output circuit measurements, without adapters. Meter has large figures and plainly marked scales for ease in reading. All meter ranges are selected by a single 3 point 12 position rotary switch. Has Supreme's exclusive "Free Reference Point" System of Analysis providing complete flexibility of analyzer circuit and practically eliminates possibility of obsolescence. All voltage, current, and resistance measurements are made directly from the receiver tube sockets. An 8 conductor cable and plug are provided, with adapters, for plugging into the sockets eliminating the necessity of removing the Chassis from the cabinet. Designed for use with any circuit including those employing the new Octal metal (steel) tubes. Supplied with complete associate equipment including test leads, cable, adapters, instructions and Free Reference Point Charts. Quartered Oak carrying case, size 11¾x10x4½ inches.

3F2557—Supreme 339 Standard Analyzer Complete.

YOUR PRICE $29.35

Supreme 89
Standard Tube Tester

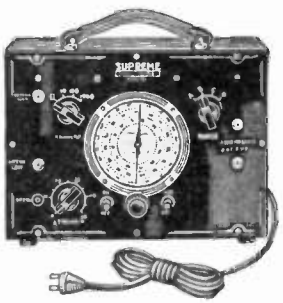


A New, High Quality, Low Priced tube tester that really sells tubes! Plainly shows your customer the actual condition of his tube in terms of "Good" or "Bad" on the large 5" Fan type English Reading meter. Tests all existing radio tubes under actual operating conditions, including the new All-metal types. Circuit is designed to guard against obsolescence as new tubes are developed. Each tube is "double-checked" by the famous Supreme Neonized Leakage test. No tube will pass both the leakage and quality tests of this tester unless it will perform satisfactorily in a radio receiver. Requires only three simple adjustments to test any tube type. Has only 5 sockets and requires no adapters. Line Voltage adjustment for accurate tests provided by tapped transformer primary adjustment between 98-125 volts, 60 cycle A.C. Supplied in a handsome, sturdily constructed Quartered Oak case size 11¾x12½x5½ with leather carrying handle for portable use. Furnished with full instructions and complete tube chart. A low priced instrument that will pay big dividends in increased tube sales.

3F2555—Supreme Model 89 Standard Tube Tester Complete, with instructions.

YOUR PRICE $34.25

New Supreme
189 Signal Generator



90 Kilocycles to 30 Megacycles

This new completely A.C. operated Signal Generator enables the user to align perfectly the most complex All Wave receivers. The tube circuit is electron-coupled, producing a strong, perfectly steady signal on all frequencies, from 90 Kilocycles to 30 Megacycles. Incorporates actual R.F. attenuation of Generator's signals as compared to audio frequency attenuation which is only variation of modulation from 0% to maximum %. Each instrument is individually calibrated, insuring precision circuit adjustments. Has self-contained 400 cycle beat oscillator capable of modulating radio frequency signal 50%. Entirely A.C. operated, 98-125 volt 60 cycle.

Direct Reading Dial

Easy to operate. Only 4 controls.

A large Full Vision, Direct Reading 4", 10 to 1 ratio Airplane Dial with plainly marked divisions, entirely free from backlash, permits any frequency to be accurately located with ease. **No charts or tables to refer to.** Also has Band Selector and ladder attenuator scale approximately calibrated in micro-volts for effective control of the output and four position attenuator multiplier switch of 0-1/10/100/1000 microvolts. Completely shielded in metal case with convenient carrying handle for portable use. Power supply adequately filtered.

3F2550—Complete with one type 36 and two type 37 tubes.

YOUR PRICE $36.20

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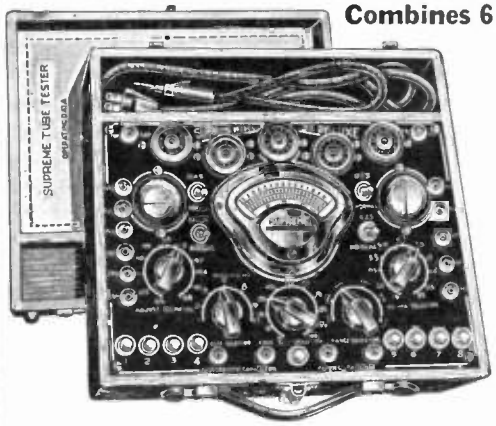
World Radio History

SUPREME INSTRUMENTS

New 1936 Engineering Developments

Model 89 DeLuxe Tube Checker and Tester

Combines 6 Essential Servicing Instruments in one Compact Unit



(1) Tube Quality Checker
(2) Tube Leakage and Short Tester
(3) Electrolytic Condenser Analyzer
(4) Paper Mica Cond. Checker
(5) Multi-Range D.C. Voltmeter
(6) Multi-Range Ohmmeter

The Quality Tester

Accurately checks all tubes including the new 8 prong (octal) metal (steel) types, using only 5 sockets. Requires no adapters. Circuit design permits all tubes to be tested under actual operating load conditions. Indicates whether tube is "Good", "Bad", or "Doubtful" on the large scale of the 5" English Reading "Fan" type meter. Only 3 simple adjustments are necessary for tube checking.

Neon Tube Leakage Tester

In addition to the quality test, each tube is checked for inter-element leakages and shorts. Neon lamp indicator detects leakages and shorts between all tube elements up to 100,000 ohms. Intermittent shorts are definitely detected. No tube can pass both the quality and leakage tests of the checker unless it will perform satisfactorily in a radio receiver.

Condenser Analyzer

An English Reading condenser analyzer accurately and positively classifies all electrolytic condensers as either "Good" or "Bad". Also has a Neon condenser tester for determining leakage or shorts up to 100,000 ohms in all papor, Mica and oil capacitors.

Multi-Range Meter

Provides point-to-point resistance and D.C. voltage measurements of the receiver circuit. Plainly marked pin jacks on instrument panel for inserting test leads. Voltage ranges 0-5-125-500-1250 D.C. volts. Resistance ranges 0-2000-20,000-200,000 ohms and 0-2-20 megohms. All ohms and megohms ranges are energized by the self-contained power supply.

Easy To Operate

A range selector switch is provided for changing from one testing function to another in only one simple operation. Push buttons on panel alter circuit of tester to secure shorts and leakage tests between all tube elements when depressed. A ten step line voltage switch provides for adjustment of transformer primary from 95-125 volts 60 cycle A.C., so that accurate resistance and capacity measurements are secured on any line voltage. Bakelite Panel. Clear silvered captions. Entire unit is contained in a handsome quartered White Oak carrying case size 12⅜x11¼x5½ inches. Compartment for line cord and other accessories is provided. Chart giving switch settings for each tube is mounted on the inside of the cover.

3F2552—Supreme Model 89 DeLuxe Tube Tester Complete with operating instructions.
YOUR PRICE **$45.03**

Supreme Model 491 Radio and P. A. Analyzer

A newly developed instrument for the advanced Serviceman who is also a P.A. and Sound Specialist.

Has many added features that provide for all tests required in servicing any Radio Receiver Chassis or P.A. Amplifier System.

With this Instrument you can earn additional income by doing service work on P.A. Systems and Theatre Talkie Equipment including Sound on Film types.

Measures all voltages, currents, resistances, capacities and audio levels (calibrated in D.B.'s) directly from tube sockets through flexible cable and analyzer plug or through external connections by flexible test leads. Also provides check of tube quality including new metal "octal" types by comparative plate current-grid shift method, directly at chassis. Also measures Photo-Cell and Exciter lamp currents.

Multi-Range Meter

The Meter is the large 5" Laboratory "Fan" type, with easily read open face. The following ranges are available: 0-250 micro-amperes; 0-5-25-250-500 D.C. milliamperes; 0-1.25-12.5 D.C. amperes; 0-5-25-125-250-500-1250 A.C. and D.C. volts at 5000 ohms-per-volt; continuity and resistance-0-10,000-100,000 ohms, 0-1-10 megohms; capacity 0-.0125-0.025-.05-.125-.25-.5-1.25-2.5-5.0-12.5-25.-50. mfds.; Output, —10 to 0, 0 to +10, +20, +30, +40 decibels.

Easy to Operate

Rotary switches on panel enable selection of any meter range or function, or any circuit, by simple operation. All functions plainly marked so as to eliminate confusion.

Many Special Features

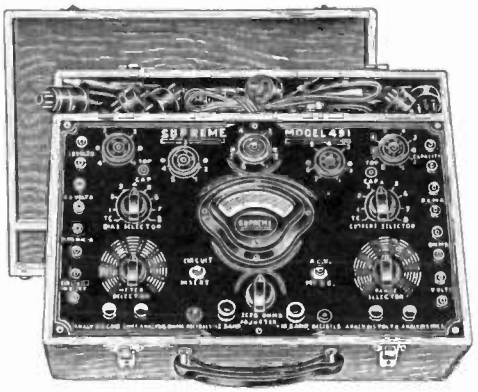
Incorporates new "ribbon type" 0-4.5-45.0-volt battery which is extremely compact for resistance measurements and for "grid shift" tube tests from operative radios. Self-contained power unit operates capacitor checker from 110/120-volt power supply system. Capacity-measuring functions protected against short-circuited capacitors by means of resistive circuits which eliminate use of fuses.

Complete Accessories

Supplied with set of analyzer socket adapters, pair of 4-ft. test leads, and pair of 27" test leads with insulated alligator test clips for capacity measurements. Large compartment back of panel provides ample space for carrying special adapters required for large tubes (bottles) used in some public address systems. Housed in hardwood carrying case with removeable cover.

Service P. A. and Sound Equipment

Because of its many additional testing and analyzing functions, this instrument will help you make more money through the extra installing and servicing jobs of sound and P.A. apparatus, it will enable you to do. This new, profitable field is open to Servicemen with adequate, accurate analyzing equipment, such as this. Be one of the first to realize these additional profits.

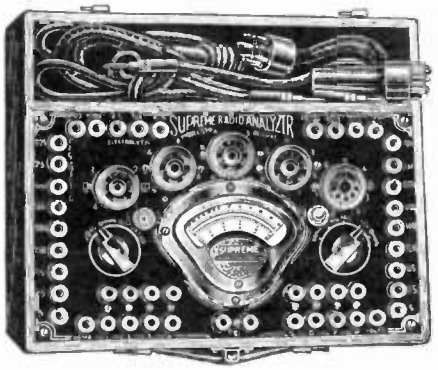


3J2553—Supreme 491 DeLuxe Analyzer Complete.
YOUR PRICE **$88.15**

Supreme 339 Deluxe Radio and Tube Analyzer

You Can Make More Money with This New Instrument

It will simplify and speed up your service work



Quick Point to Point Tests

All resistance, voltage, capacity and current readings are secured through the 8 conductor analyzer cable, plugged into the receiver sockets. Tests made without removing chassis from the cabinet. Test leads may be inserted into tip jacks on panel for continuity tests if desired. Has five sockets. Tests all tubes including the new 8 prong Octal metal (steel) types, direct from the receiver socket. Flexible (Free References) point system of analysis is used by which the receiver chassis, or any element of the tube acts as a reference point for all measurements.

Checks All Circuits

Large "Labratory" 5" fan type meter has direct reading ranges for checking any circuit in the receiver. Both A.C. and D.C. ranges of 0-5-25-125-250-500-1250 volts, at 1000 ohms per volt—D.C. current ranges of 0-5-25-125-250-500-1250 M.A. Capacity ranges of 0-0.05-0.25-1.25-2.5-5.0-12.5 Mfds. (for measuring both paper and electrolytic condensers), five resistance ranges of 0-2,000-20,000-200,000 and 0-2-20 megohms. Both resistance and capacity ranges are energized by a separate built in A.C. operated power supply. Circuit is designed so that meter and rectifier are protected against damage due to overload of current or voltage. Makes tube checks by comparative plate current-grid shift method.

All voltage, resistance, current and capacity ranges appear on one easily read scale—no zigzag or offset A.C. scales to confuse the user. Has single range selector switch for selecting meter ranges and analyzing operations. Tip jacks are conveniently mounted on panel extending each range for a complete external test. Zero ohms adjustment provided for accuracy in resistance measurements. Supplied with analyzer cable and plugs, socket adapters, test leads, instruction manual and "Free Reference" point analysis charts. Housed in hardwood carrying case with removeable cover. Size: 13⅛x10½x4⅞ inches.

3F2556—Supreme 339 DeLuxe, Complete.
YOUR PRICE **$39.15**

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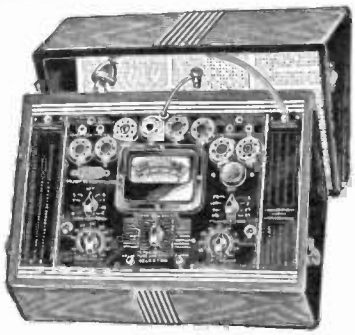
TRIPLETT INSTRUMENTS

Portable · Compact · Best Values



Tube Tester

Model 1500

(Power Output Type)

3J2628—
List Price, $55.00.
YOUR PRICE **$35.94**

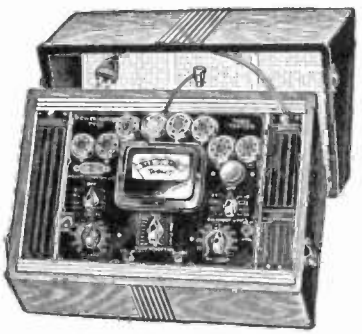
Tests all tubes, both metal and glass, under actual operating conditions. Definitely and instantly rejects any tube that will not perform satisfactorily in a radio receiver. A large 4" square meter marked "Good" and "Bad" is employed. The "gain method" of tube analysis is used and gives the nearest approach to actual receiving set operation. The proper D.C. voltages are applied to tube elements. Includes A.C. test for rectifier tubes, and separate diode A.C. test. Supplies A.C. signal to control grid and indicates amplifications on the A.C. voltmeter. Neon short test detects the slightest leakages. Simple to operate, only three operations. Housed in attractive two-tone walnut case with removable cover. Sloping panel has tube testing data etched on metal panels on either side. For either portable or counter use. Size 11"x8½"x8". For 110 volt, 50-60 cycle operation.

Tube Tester

Model 1310

3J2577—
List Price, $45.00.
YOUR PRICE **$29.40**

Tests all types of glass and all-metal tubes on a 3½ inch meter with a scale marked "Good" and "Bad". Employs an improved emission type circuit. Simple to operate. Only four controls—Load, Tube Selection and Shorts, Line and Filament Voltages. Supplies separate diode test. Furnished in an attractive modernistic two-tone walnut case with removable cover. Sloping panel with handy metal charts on each side furnish all instructions for testing. Case measures 11"x8½"x 8". For either portable or counter use. For operation on 110 volts, 50-60 cycle current.



Multi-Purpose Tube Tester

Model 1501

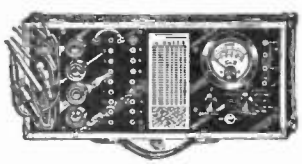
(Power Output Type)

3J2626—
List Price, $70.00.
YOUR PRICE **$45.74**

Combines in one instrument the equivalent of ten separate instruments. 1—Tests All Tubes, both glass and all-metal types under actual operating conditions in terms of "Good" or "Bad" speedily and accurately on a large 4" square meter. 2—**Neon Short Test**, accurately detects all shorted or leaking tubes. 3—**Separate Diode Tests**, individually checks each section of multi-purpose tubes. 4—**Neon Paper Condenser Tester**, shows shorted, leaking or open paper condensers. 5—**Electrolytic Condenser Leakage Tester**, indicates on "Good-Bad" scale if the condenser's filtering renders it suitable for further use. 6—**D.C. Voltmeter**—has scale reading 0-10-50-250-500-1000 volts at 1000 ohms resistance per volt. **D.C. Milliammeter** 0-10-50-250. 7—**Ohmmeter**, reads resistance directly on 1000, 10,000, 100,000, 1 meg., and 10 megs. scale. 8—**A.C. Voltmeter**, reads 0-10-50-250-500-1000 volts at 400 ohms resistance per volt. 9—**Decibel Meter**, reads down 10 up 15 decibels. 10—**Impedance Meter**, for 60 cycle use and is furnished with the necessary charts. Supplied in an attractive walnut case with a removable cover. For counter or portable use. Operates on 110 volt 50-60 cycle current.

Selective Analyzer

Model 1167-A



For Point-To-Point and Standard Analysis

3J2576
List Price, $37.50.
YOUR PRICE **$24.50**

Includes **Model 1166-A Auxiliary Set Tester** and **Model 1125 Universal Volt-Ohm-Milliammeter** in a single case. Modern type of equipment for "hot" or "cold" chassis testing, employing all the features of the old type analyzer plus modern point-to-point resistance method of locating trouble. The Selective Analyzer portion contains four sockets for all Standard base tubes and 18 pin jacks for voltage and current measurements. Locking type analyzer plug with adaptors to fit all standard radio sockets (both metal and glass). Meter has three AC-DC Voltage ranges, 0-15-150-750 at 1000 ohms per volt. Three DC milliampere ranges, 0-1.5, 15, 150 M. A. Two AC Milliampere ranges are employed in capacity and inductance measurement, 0-15-150 M.A. One low ohm scale, 0-1500 ohms, and two megohm scales, 0-1.5 megohms. Ohmmeter batteries are inclosed. A 3½" Meter with zero adjuster. Oak Case with removable cover. Size 16½"x7½"x4¾". Supplied complete with test leads, batteries, and all instructions.

RADOLEK is First With New Triplett Instruments

The entire Triplett line of test equipment is in our stock and we are prepared to make immediate shipment at the lowest dealer prices. For prompt shipment of new model instruments send your order to us. We are one of the first distributors in the country to receive advance shipments of the new models when they are announced by Triplett.

Model 1181-A

Portable Laboratory

3 in 1 Tester

3J2575—
List Price, $57.00.
YOUR PRICE **$37.24**

Three instruments combined in one case for complete circuit analysis. Includes:

Point to Point Test

Model 1125 Universal Volt-Ohm-Milliammeter for testing receiver circuits directly at the receiver when accessibility permits and for localization. Contains direct reading ohms, output, AC-DC volts, and milliamperes; 3½" 400 microammeter with 16 scale readings; AC-DC volts: 0-15-150-750 at 1000 ohms per volt; DC ma.: 0-1.5-15-150; AC ma. 0-15-150; ohms: 0-1500-1.5 and 3 meg. All ranges controlled by selector switch.

Standard Analysis

Auxiliary Set Tester **Model 1166A** for free-point test and receiver analysis. For localizing set trouble without removing chassis from cabinet. Invaluable for estimating service calls. Includes test for new Octal Tubes.

Overall Performance

Model 1151 new improved All-Wave Oscillator for alignment testing tubes and methods of increasing overall gain. Oscillator covers all frequencies from 110 KC to 18 MC with four bands on single scale reading (0-100). Supplied with frequency curves. Has self-contained batteries. Oak case has removable cover. Size: 16½x7½x13".

Model 1180 Oscillator-Tester

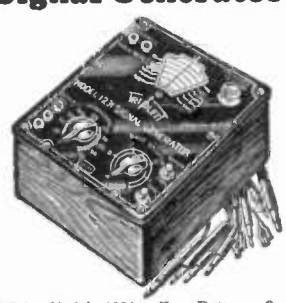
This unit is like the Triplett Model 1181-A Portable Laboratory only with the exception of the Free Point Analysis tester which is not included. Housed in the same case supplied with Model 1181A.

Includes All-Wave Oscillator and Volt-Ohm-Milliammeter units described above.

3J2644—List Price, $45.00.
YOUR PRICE **$29.40**

Battery and A.C. Operated

Signal Generators



3J2629—**Model 1231.** For Battery Operation, with Tubes and batteries.
3J2630—**Model 1232.** For 110 volt-60 cycle A.C. operation.
List Price, $40.00.
YOUR PRICE **$26.14**

A new 1936 **Master Unit signal generator.** Provides complete coverage of all broadcast, short-wave and I.F. frequencies. **Six tuning bands** cover from 110 kilocycles to 30 megacycles. All frequencies are fundamental, no harmonics are used. 12" vernier dial has direct reading scale marked in K.C.

Stabilized Circuit Design

Special frequency stabilizing circuit using a type 30 oscillator tube generates the R.F. signal. A second type 30 tube produces a clear 400 cycle note modulating output signal approximately 50%. Modulation can be cut in or out of circuit by adjustment of toggle switch on panel. 400 cycle audio note can also be used alone.

Variable Attenuator

Two range continuously variable attenuator circuit employs three tip jacks for selection of either strong or weak signal. Both ranges are controlled by a variable resistor of the potentiometer type calibrated by a 0-100 etched scale. All parts are completely shielded. Low loss switches used. Furnished in metal cases.

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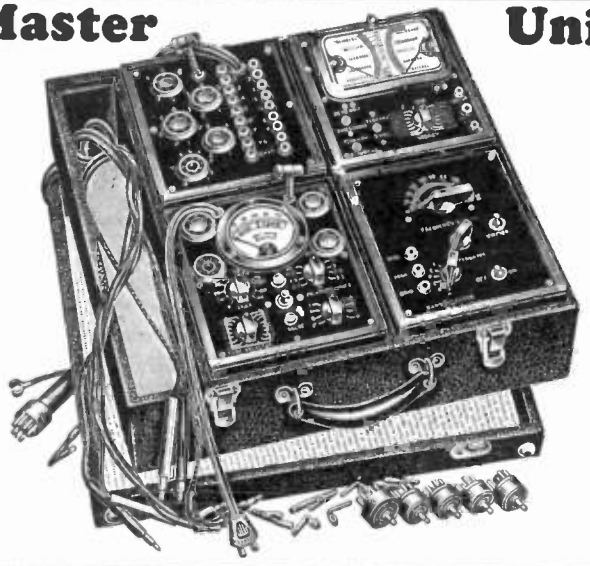
World Radio History

TRIPLETT MASTER UNIT TESTERS

Complete Master Unit Test Sets

Model 1205A

The four essential Triplett Master Units have been combined in this one Complete Instrument with the idea of providing the simplest, most compact, accurate and most useful service equipment available, regardless of price. This new Master line of equipment contains many new and useful features which will enable the serviceman to speed up repairs on any radio set. **A Complete Portable Laboratory.** Nothing further is needed for the professional serviceman to do the most expert work. **All types and classes of tests can be made—.** Point to Point, Standard Analysis, Overall Performance. Equipped to service sets using either glass or metal tubes. Checks all Types of Tubes, with glass or metal envelopes. So arranged that New Types not yet on market can be checked also. Each unit represents the newest and most up-to-date equipment in its own field. **See Below for complete description of units.**



The Price

3F2582—Triplett Complete Master Unit Test Set
List Price, $107.00.
YOUR PRICE **$69.90**

Makes All Tests

One each of Model 1220A Free Point Tester, Model 1230 signal generator, Model 1210A Tube Tester and Model 1200 Volt-Ohm-Milliammeter complete with all their accessories are mounted in the Triplett Four Unit Master leatherette covered carrying case, size 17x17¾x5½". Case has extra compartment to accommodate all accessories.

Tube Checker is Designed for Operation on 105-120 Volt 50-60 Cycle A.C.

Model 1206

A combination of models 1220A, 1210A, 1200 and the newest model 1231 oscillator which is illustrated and described on page 19.

The Price

3F2573—Triplett Complete Master Unit Test Set.
List Price, $124.00.
YOUR PRICE ... **$81.02**

The Four Master Units

Cases are built of metal, nicely finished in dull black. Size 7⅞"x6⅝"x4⅝" deep. Panels are etched black bakelite.

Free Point Tester
Model 1220A

3F2585—
List Price, $12.50.
YOUR PRICE **$8.16**

For servicing all sets using metal or glass tubes. Has five sockets—four with standard RMA markings, one new eight prong for metal tubes. Panel also includes eight automatic switch type and ten single action, jacks. Enables the making of voltage and resistance test between any tube elements or socket contacts, including chassis. The jacks are so arranged that the source of external voltage may be applied to any tube element. This permits testing tube characteristics. Automatic in operation. Used in conjunction with Model 1200 Volt-Ohm-Milliammeter. One end of the conductor cable is permanently connected to the switch type jacks, the other end terminates in a 7 prong latch type plug. 4, 5, large 7, small 7 and 8 octal prong latch type adapters are included. Instructions, guarantee and registration cards are furnished.

Signal Generator
Model 1230

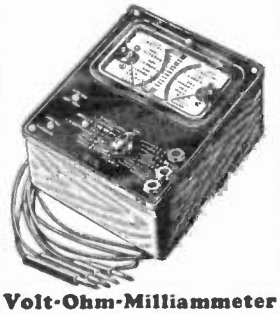
3F2583—
List Price, $23.00.
YOUR PRICE **$15.02**

A precision stabilized All-Wave continuously variable Signal Generator. Frequencies controlled on six positions from 100 K.C to 18 megacycles. Either modulated or unmodulated. A special frequency stabilized circuit employing a type 30 tube generates the r.f. oscillation, while a second type 30 tube generates a clear 400 cycle note. The small amount of current required is furnished by one 22½ volt and three 1½ volt flash-light batteries. These batteries permit oscillator to be independent of the line radiation. Power is taken from the oscillator in a manner that does not upset the circuit function. Individual shielding provided wherever critical shielding is required. Range switch and knob control frequencies. Attenuation controlled by three out-put jacks and attenuator. Tubes and batteries furnished. Connecting wires and six individual calibrated graphs on large size charts are included.

Tube Tester
Model 1210A

3F2584—
List Price, $30.00.
YOUR PRICE **$19.60**

Tests all types of tubes both metal and glass. Direct reading. Its large 3½" Triplett D'Arsonval meter reads GOOD and BAD on three colored scale. Cathode leakage test. Individual tests on diodes and full wave rectifiers. Only four sockets. Has a new and exclusive circuit approved by leading tube engineers, with every essential for a dependable emission test of tube values. Only three simple operations required to test all types of tubes; only one operation for shorts. Two selector switches provide for short, leakage, and quality tests without removing tube from socket. Infinitesmal leakages between elements indicated correctly on meter. A third selector switch selects proper filament voltage; the fourth switch is set for the type tube to be tested. Chart furnished for all switch settings. Has line voltage regulator. Rectifier tube furnished. 60 cycle, 100-130 volts.

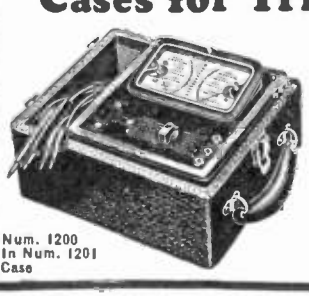


Volt-Ohm-Milliammeter With Tilting Meter
Model 1200

3F2587—
List Price, $32.50.
YOUR PRICE **$21.24**

Has two Instruments A.C. and D.C. in molded case. Instruments with Tilting Meter can be tilted to any reading angle while case sets level. Avoids errors. Scale markings in straight lines. Each instrument is best adapted to the specified use for which it is designed. This arrangement insures results superior to those obtainable when using a single combination instrument. Scale reading—D.C. 10-50-250-500-1000 volts at 2000 ohms per volt; 1-10-50-250 M.A.; 1500 ohms; 1.5 and 3 megohms. A.C. 10-50-250-500-1000 volts. Resistance measurements have individual zero adjustments. Three jacks for VOLTS—OHMS—M.A.'s and OUTPUT measurements. Selector switch for all instrument readings. Simple. Fool proof. Accurate. Convenient. Always dependable. Answers every requirement for the Serviceman. Contains 22½ and 1½ v. batteries. Test leads included.

Cases for Triplett Master Unit Testers



Num. 1200
In Num. 1201
Case

Multi-Unit Cases
Portable-Leatherette

Strongly made of plywood and covered with finest grade black grained leatherette. Units fit snugly. Instrument compartments lined with soft green felt. Separate compartment for accessories. Padded handle. Detachable covers. Single unit case is size 8¾x10x5½" high. Others in proportion.

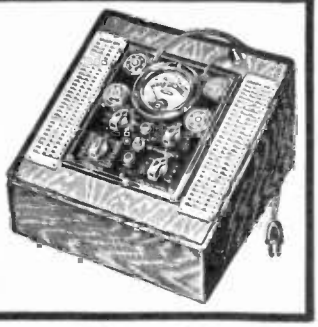
Stock Number	Holds Units	List Price	Your Price
3F2588	one	$6.00	$3.92
3F2570	two	7.00	4.57
3F2571	three	8.00	5.22
3F2589	four	9.00	5.88

Counter Case
For Tube Tester

An attractive sloping panel case. Made of Quarter Sawed Oak. Fine lasting finish. Case size:—Length 12"; width 11¼"; height front 3¾"; back 6⅝". Tube charts fastened to sloping panel.

3F2586—Counter Case only.
List Price, $6.00.
YOUR PRICE **$3.92**

3F2568—Counter Case and Model 1210A Tube Tester. Checks all types of both metal and glass tubes.
List Price, $36.00.
YOUR PRICE **$23.52**



World Radio History

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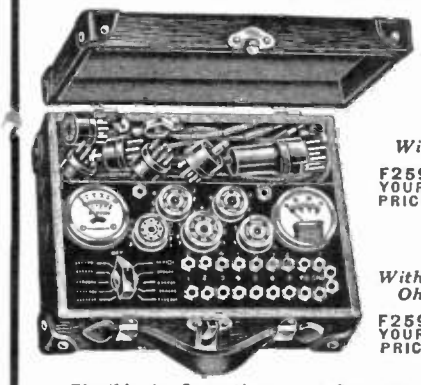
RADIO SERVICEMEN'S Readrite TEST EQUIPMENT

Point to Point Analyzer



Resistance Capacity Tester

Model 720A

With Readrite Meters

F2591— YOUR PRICE **$14.70**

Model 730A

With Triplett D.C. 1000 Ohm Per Volt Meter

F2592— YOUR PRICE **$18.23**

Flexible in Operation

Combines the latest principles of point to point testing with the older dynamic method of testing. You can now take advantage of the good points of both systems and need not be confined to either one or the other method of set analysis. Design and circuit arrangement make for quick and accurate location of set troubles. Current and voltages can be measured in any tube circuit and point to point tests can be made between the various tube socket terminals and ground. Will test all sets that have been released to date, including those using the new 8 prong Octal tube, without removing set chassis from cabinet.

Model 730A

Is the same as the No. 720A but is equipped with a Triplett D.C. voltmeter having 1000 ohms per volt resistance.

Both Instruments are mounted in leatherette covered cases. Size 10¾"x 8½"x4".

Separate A.C. and D.C. Meter

Two meters are used in tester: one A.C. meter having ranges of 10, 25, 150, and 750 volts; a D.C. meter having ranges of 15 and 150 Ma. and 15, 150, 300, and 600 Volts. Readings from both meters are selected by means of a rotary tap switch with connections brought out to two tip jacks. Analyzer plug is furnished with adaptors for 4, 5, 6, 7, and 8 prong tube sockets. Leads run from plug to tube sockets on analyzer and break in jacks are inserted in each lead. By connecting meter into these jacks all current and voltage measurements can be obtained. For point to point testing a clip lead is attached to ground of set. This lead terminates in jack on analyzer to which one side of meter is connected, other side of meter is connected to the other jacks for measuring of voltage or resistance between the various tube elements and ground. Test leads and complete instructions included.

New Tube Checkers

Models 430-431

- *Tests New Octal All-Metal and "G" Type Tubes*
- *Tests for Leaks and Shorts*
- *Tests Tubes Under Actual Working Conditions*
- *Combination Counter and Portable Case*

Model 430

With Triplett Meter

F2607— YOUR PRICE **$17.64**

Model 431

With Readrite Meter

F2608— YOUR PRICE **$14.11**

The new Readrite Model 430 is an up-to-date tube checker in every respect. Tests all tubes that have been announced up to date including the new Octal tubes. Two simple controls in conjunction with the English reading Good-Bad meter provide a complete and accurate test of the tube's condition. Only one button to push to obtain tube reading. Two additional controls are on tester. One for adjusting line voltage and the other for obtaining correct filament voltage for tubes. Five sockets handle all 4, 5, 6, 7, and the new 8 prong Octal tubes. Tubes are tested under actual working conditions. Meter gives an efficient and positive means for checking all shorts and the slightest leakages. Two meters are furnished in instrument: Triplett D'Arsonval type moving coil meter for tube tests and Readrite Shadow type A.C. Voltmeter for adjusting line voltage. Meters protected against damage from accidental overloads. All parts mounted on metal panel with numerals and scales lithographed. Contained in combination counter and portable carrying case of quartered Oak.

Model 431

F2608—Same as above but uses Readrite English Reading Good-Bad meter instead of Triplett.

SET TESTER

Models 710A, 712A

Easily and quickly locate every kind of trouble without removing the radio chassis from the cabinet. Has self-contained battery for continuity testing of transformers, chokes, etc. Capacity and resistance charts are furnished for use in testing condensers and measuring resistances up to 100,000 ohms. The 9 scale readings of the meters may be used separately with the jack terminals provided. Scale readings are 0-20-60-300-600 D.C. volts; 0-10-140-700 A.C. volts and 0-15-150 milliamperes. D.C. voltmeter resistance 300 ohms per volt. Has new small sized plug with latch for the five adapters furnished for accomodating all 4, 5, 6, 7, and the new metal tube 8 prong sockets now in use. Substantial leatherette covered case size 10¾x3½x8 inches. Removable cover.

Has sockets for all newer 4, 5, 6, 7, and 8 prong tubes. Makes all voltage, current, capacity and continuity tests required for any set and for the tubes in the set, regardless of current used—whether A.C. or any type battery current.

Readrite Model 710A as described above with standard Readrite Meters. Complete with Test Leads, Battery, Adapters, Charts and Instructions.

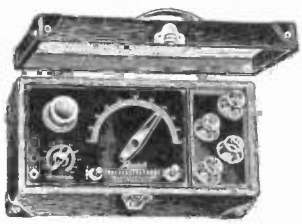
F2606—List Price, $27.50. YOUR PRICE **$16.17**

Readrite Model 712A differs from the Model 710A only in that it is equipped with the new Triplett D'Arsonval Voltmeter having 1000 ohms per volt resistance. The reading is 0-15-60-300-600 volts. (2% accuracy).

F2590—List Price, $37.00. YOUR PRICE **$21.76**

All-Wave Oscillator

New Model 554-A



3J2643—Complete with tubes and batteries. List Price, $24.00. YOUR PRICE **$14.11**

Incorporates all improvements and advantages of present day engineering. Speedy and accurate. Used to align RF gang condensers, locate defective RF transformers, adjust IF transformers, check oscillator stage, compare gain in tubes and determine the sensitivity of radio receiving sets. Merely adding a new coil provides for any new frequency range. For present and future requirements. All frequencies are fundamentals thoroughly stabilized. Modulator switch on front panel. Completely shielded and tube modulated.

Plug-In Coils

Special Plug-In type coils supplied for each of the present five frequency bands, covering 100-20,000 KC. Extra long sweeping scale assures accurate settings. Large calibration curves supplied for each frequency band. Self-contained batteries and two '30 tubes. Housed in attractive black leatherette covered case. Potentiometer type attenuator with high low adjustment. Dimensions: 12"x6½"x5¾".

Readrite Output Meter

Portable full-wave copper oxide rectifier type DC voltmeter, for use with the above oscillator. Housed in a round steel case 4½ in. diameter. Assembly includes voltmeter, rectifier, jacks, and condenser. Scale 0-10, two output ranges—low and high. Model 575. List Price, $8.25.

3J2642— YOUR PRICE **$4.85**

Resistance, Continuity and Capacity Tester

Model 1000

F2622—List Price, $34.00. YOUR PRICE **$19.99**

New and Different! Permits testing of any receiver without the tubes in the receiver and without the power turned on the set. Uses two plug-in cables—one to the rectifier socket and the other to each tube socket in turn. A master selector switch permits resistance and capacity tests between all important circuits.

The 3¼ inch D.C. Precision Meter (1000 ohms per volt) of the moving coil type, has full scale deflection of 1 M.A., and is provided with a zero adjustment. The lower scale is divided into 60 divisions of 0-30, 0-300 and 0-600 D.C. volts and 0-30, 0-300 D.C. Milliamperes. The upper scale reading is in ohms and megohms. Three scale readings are available for resistance measurements, 0-500 and 0-50,000 ohms and 0-3 megohms. Can also be equipped to test up to 6 megohms, by adding a 90,000 ohm resistor and an extra 22½ volt battery.

A. C. Meter is calibrated for reading directly in microfarads either paper, mica or electrolytic condensers. The lower scale reading is .008 mfd. to .25 mfd. The upper scale reading is .1 mfd. to 10 mfds. Calibrated for use on 60 cycles at 110 volts. Rheostat regulates the correct voltage to be applied. This meter also will show voltage of input A.C. line. 2-22½ volt Batteries and flashlight battery provided for resistance readings. All parts contained in Fabricoid covered case size 13½x 9¼x4½ inches. Complete with batteries, plugs, test leads and adapters for 4, 5, 6, 7 and 8 prong tubes.

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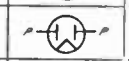
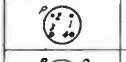
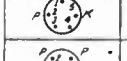
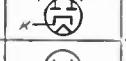
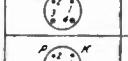
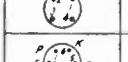
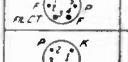
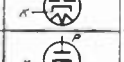
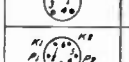
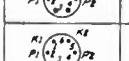
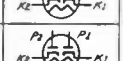
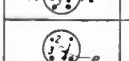
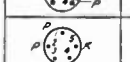
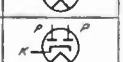
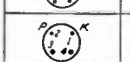
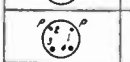
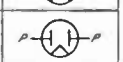
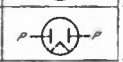
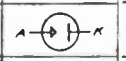
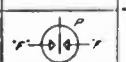
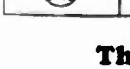
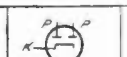
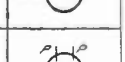
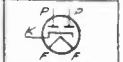
World Radio History

Radolek Tube Chart [Rectifier Tubes]

Bottom View of Sockets	Tube Circuit Diagram	Type	List	Purpose	Filament Volts	Filament Amps.	A. C. Plate Volts	Max. D-C. Output in Milliamps	Fil. Power Consumption In Watts
		I & I-V	$1.25 1.00	Half Wave M-V Rect. Hi-Vac Rect.	6.3	0.3	350	50	1.89
		80	.70	Full Wave Rectifier	5	2	350	125	10
		80M	1.55	Kenrad F. W. M. V. Rect. Sub. 83	5	2	425	125	10
		81	2.10	Half Wave Rectifier	7.5	1.25	700	85	9.4
		81M		Kenrad M.V. Half Wave Rectifier	7.5	1.25	750	85	9.4
		82	1.00	Full-Wave M-V Rect.	2.5	3	500	125	7.5
		83	1.00	Full-Wave M-V Rect.	5	3	500	250	15
		84	1.35	Full-Wave M-V Rect.	6.3	.5	225	50	3.2
		5Z3	1.00	Full-Wave Rectifier	5	3	500	250	15
		6Z3	1.25	Full-Wave Rectifier	6.3	0.3	350	50	1.89
		6Z5	1.90	Double Fil. Full-Wave Rectifier	6.3	0.8	230	60	5.04
		12Z3	1.10	Half Wave Rectifier	12.6	0.3	230	60	3.78
		12Z5	1.50	Full-Wave Rectifier	12.6	0.3	225	60	3.78
		25Z5	1.10	Full-Wave Rectifier	25	0.3	125	100	7.5
		866	9.00	Half-Wave Rectifier	2.5	5	7500	600	12.5
		986	1.65	Full-Wave M.V. Rectifier	5	0.5	500	200	2.5
		AD	1.50	Rectifier For Auto Sets	6.3	0.3	350	50	1.89
		AF	1.80	Spec. Arcturus Rectifier Substitute 82	2.5	3	500	125	7.5
		AG	2.05	Arcturus Type 83	2.5	3	500	250	7.5
		874	4.90	Voltage Regulator	Operating Voltage.....90 Volts. Starting Voltage.....125 Volts. Operating Current.....10-50 M.A.				
		BA	7.50	Full Wave Rectifier	Has no Fil'mnt	Max. A.C. Volts (RMS) 350 Volts per plate. Max. D.C. Output 350 M.A. Max. D.C. Output 300 Volts.			
		BH	4.65	Full Wave Rectifier	Has no Fil'mnt	Max. A.C. Volts (RMS) 350 Volts per plate. Max. D.C. Output 125 M.A. Max. D.C. Output 300 Volts.			

The New Metal Envelope ["Steel Octal"] Rectifier Tubes

		0Z4	1.75	Full Wave Rectifier			DC Voltage Output 300 volts Max. Starting voltage 300 volts min. Peak plate current 200 M.A. Max.
		5Z4	2.00	Full Wave Rectifier	5.	2.	A. C. Plate Voltage Per Plate (RMS) 400 volts Maximum Peak Inverse Voltage 1100 volts max.
		6X5	2.00	Full Wave Rectifier	6.3	.6	Max. A. C. Plate Volts (RMS) 350 Max. D. C. Output 75 M. a.
		25Z6	2.00	Voltage Doubler	25	.3	Max. A. C. Plate Volts (RMS) 125 Max. D. C. Output 85 M. a.

Elkon 5,000 Hour "B" Rectifier

Replaces rectifier tube in "B" Eliminator. Dry, solid, rugged self healing. Just replace the fragile 1,000 hour tube with this sturdy 5,000 hour Elkon EBH and the change is made. Not affected by accidental surges or overloads. No adjustments required. Shpg. wt., ½ lb.

3E85—For "B" Eliminators using Raytheon BH Tube. List, $6.00.

YOUR SPECIAL PRICE .. **79c**

Genuine Raytheon Rectifier Tubes

Long Life. No Filament.

Greater economy and reserve power; enough to run a 10-tube set. Uninterrupted service. No liquids. Utilizes both halves of the alternating current for rectification, except in BR half wave model.

Stock Num.	Type	Mils.	List	Net
3E840	BR	50	$2.75	$1.49
3E839	BH	125	4.65	2.51
3E838	BA	350	7.50	4.05

Genuine KELLOGG A. C. Tubes

The original top connection radio tube designed to operate on alternating current. Operates directly from house lighting current with step down transformer. Quiet operation. No hum nor microphonics. Has excellent tone quality. Extremely rugged construction insures long life and satisfactory service. Shpg. wt., each about 1 lbs.

3E875—Type 401. List, $4.00.

YOUR PRICE **$2.33**

3E876—Type 403. List, $5.00.

YOUR PRICE **$2.94**

Kellogg McCoullough Type Tubes

Same type as used in many Sparton, Kellogg and other sets. Excellent quality and a real value.

3E877—Type 401 Tubes. List Price, $4.00.

YOUR PRICE **$1.56**

BARGAIN Power Tubes

Excellent quality guaranteed tubes. Wonderful values at our prices. You will find them very satisfactory for all work.

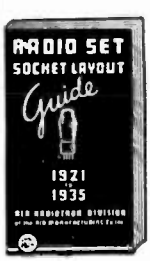
3E880—Type 210.

3E881—Type 250.

PRICE, EACH **79c**

New Revised R.C.A. Socket Layout Guide

256 Pages



Shows the types of tubes and the number of each used in practically every standard make and model of Radio Receiver now in use. Contains tube complements on all important Sets made between 1921 and 1935 and socket layouts of those built since 1932. An indispensable reference book for every Radio Tube Counter and Service Shop.

3J5939—

YOUR PRICE ..... **50¢**

3J5940—With order for 100 R.C.A. Radio Tubes. **Free**

World Radio Historical Society

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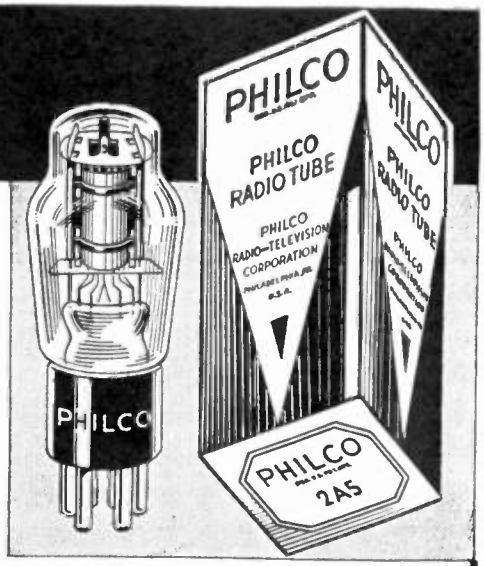
PHILCO
QUALITY RADIO TUBES



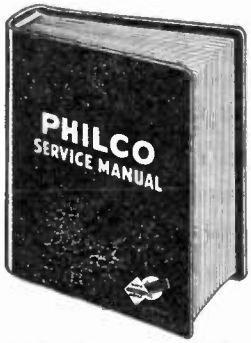
Latest Design—More Efficient
Consume Less Current—And Last Longer

50,000,000 PHILCO Tubes are needed to put the 18,000,000 radios, now in use, in perfect condition this year! The market is tremendous. PHILCO Tubes are of the very latest type, design and construction. Scientifically engineered, precision built, and subjected to 100% thorough tests in every stage of their manufacture. PHILCO tubes furnish long, dependable and economical service. The line is COMPLETE—concentrate on PHILCO TUBES. Make EXTRA PROFIT, in addition to sales of radio sets.

Nationally advertised for replacement in all radio receivers and for replacement in over 5,000,000 PHILCO Receivers in use throughout the United States.

Radio Dealers and Servicemen keep your stock of PHILCO Tubes complete. Order a stock of all the popular types now. Take advantage of the many merchandise offers on this page. A complete line of PHILCO Test Apparatus is listed in your PHILCO-RADOLEK Parts Catalog. If you do not have your copy of this book request one on your order.

PHILCO Manual



Every Serviceman Needs This Manual!

The manual contains wiring diagrams, pictorial diagrams, parts lists, and essential service data on every Philco home receiver and auto set ever manufactured. Also includes the 1936 models of Philco Sets. Service information on new models of Philco receivers not yet announced will be forwarded by Philco from time to time to all purchasers of this manual. High-quality handsome black leatherette loose leaf binder. Size: 10x11½".

3F5935 YOUR PRICE..... **$1.00**

3F5935—With Order for 15 Philco tubes. YOUR PRICE..... **50c**

PHILCO Condenser Test Box

Test Condensers Quickly By Substitution Method

For testing by-pass condensers in all receivers by the substitution method. Contains 15 different fixed condensers, which can quickly be connected through a multi-popular switch to obtain desired capacities from .00025 mfd. to 2 mfd. Two binding posts on the box provide the necessary connections for external test leads. Size: 4"x4"x6".

3J2520—Model 093. List, $14.40. YOUR PRICE..... **$8.46**

3J2521—Model 093. With Order for 40 Philco Tubes. YOUR PRICE..... **$5.95**

Type Num.	Stock Number	List Price	Your Price
01A	3F626	$0.59	$0.33
1A1	3F619	.89	.51
1C1	3F620	.89	.51
1A6	3F627	1.25	.71
1C6	3F628	1.50	.85
1V	3F629	.89	.51
2	3F593	.89	.51
2A3	3F630	1.25	.71
2A5	3F631	.99	.57
2A6	3F632	.99	.57
2A7	3F633	1.25	.71
2B7	3F634	1.25	.71
4	3F595	.89	.51
5	3F596	.99	.57
5Z3	3F635	.89	.51
6	3F621	1.50	.85
6A4	3F636	1.25	.71
6A6	3F617	1.25	.71
6C6	3F637	.99	.57
6D6	3F638	.89	.51
6A7	3F639	1.25	.71
6B7	3F640	1.25	.71
6F7	3F641	1.50	.85
9	3F622	.99	.57
10	3F642	1.50	.85
12A	3F643	.69	.39
12A5	3F644	1.50	.85
12A7	3F623	1.50	.85
12Z3	3F645	.99	.57
14	3F597	1.50	.85
15	3F646	1.50	.85
17	3F625	1.50	.85
19	3F648	.99	.57
22	3F650	1.25	.71
24A	3F651	.89	.51
25Z5	3F652	.99	.57
26	3F653	.59	.33
27	3F654	.69	.39
30	3F655	.69	.39
31	3F656	.69	.39
32	3F657	1.25	.71
33	3F658	$0.99	$0.57
34	3F659	1.25	.71
35/51	3F660	.89	.51
36	3F661	.89	.51
37	3F662	.69	.39
38	3F663	.89	.51
39/41	3F664	.89	.51
40	3F624	.69	.39
41	3F665	.89	.51
42	3F666	.99	.57
43	3F667	.99	.57
45	3F669	.69	.39
46	3F670	.99	.57
47	3F671	.89	.51
48	3F672	1.50	.85
49	3F673	.99	.57
50	3F674	1.50	.85
53	3F675	1.25	.71
55	3F676	.99	.57
56	3F677	.69	.39
57	3F678	.89	.51
58	3F679	.89	.51
59	3F680	1.25	.71
71A	3F681	.69	.39
75	3F682	.99	.57
76	3F683	.69	.39
77	3F684	.99	.57
78	3F685	.99	.57
79	3F686	1.25	.71
80	3F687	.59	.33
81	3F688	1.50	.85
82	3F689	.89	.51
83	3F690	.89	.51
84	3F691	1.25	.71
85	3F692	.99	.57
89	3F693	.99	.57
X99	3F695	.99	.57
SPARTON TYPES			
182B	3F696	1.50	.85
183	3F697	1.50	.85
485	3F698	1.50	.85

Deduct An Additional 10% Disc. on Orders for 25 or More Tubes

D & S Tube Manual

Saves Time—Makes Money for You

Contains all essential Sales and Service Tube information on every Receiving and Ballast Type Tube ever used in receiving sets, 250 of them with all essential information—base diagrams—characteristics—substitution data, and a tube index that alone is worth the price. Any one without radio experience, can use it—Sell Tubes with it—Recommend Interchangeable Types with Confidence. Tells how to substitute newer type tubes for older types. As new tubes appear owners of this manual can secure data on them. 200 loose-leaf pages, 8½x11.

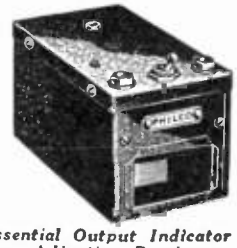
3J299— YOUR PRICE **$1.50**

Tube Base Diagram Wall Chart

Tack this Handy Chart over your Service Bench. It's a Time Saver—keeps your bench clear—your hands free. Readable at a distance of 6 feet. Size: 4 feet long, 1½ feet high. It's complete—over 300 types included—50 diagrams.

3J292— YOUR PRICE ... **25¢**

PHILCO Shadow Output Meter



Essential Output Indicator for Adjusting Receivers

Affords an accurate indication of output volume when adjusting compensating condensers. Connects to the output tube of any radio set. Maximum shadow width indicates maximum signal—strong signal produces a wide shadow and weak signal a narrow shadow. Width of shadow is directly proportional to signal strength, thus permitting accurate adjustment of radio by means of shadow indication. Clips and leads provided. Size: 3⅛"x3⅛"x5⅛".

3J2522—Model 012. List, $12.50. YOUR PRICE..... **$7.35**

3J2523—Model 012. With Order for 30 Philco Tubes. YOUR PRICE..... **$5.25**

PHILCO All Metal Tubes

Philco dealers and servicemen can now secure a complete line of Philco All-Metal Tubes. Newest type of improved construction is used throughout. Each tube is guaranteed to be as high or higher in quality than any other metal tube now on the market.

Type Num.	Stock Number	List Price	Your Price
5Z4	3J3006	$1.60	$0.85
6A8	3J3002	1.75	.92
6C5	3J3003	1.25	.67
6F5	3J3004	1.25	.67
6F6	3J3005	1.50	.79
6H6	3J3059	1.25	.67
6J7	3J3060	1.60	.85
6K7	3J3061	1.50	.79
6L7	3J3062	1.75	.92
6Q7	3J3056	2.00	1.06
25A6	3J3057	1.75	.92
25Z6	3J3058	1.75	.92

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World Radio History

Radolek TUBE CHART

With Bias Resistor Data and Total Power Consumption of all standard American Made Radio Receiving Set Tubes.

See Explanatory Note, Bottom of Page III

Bottom View of Sockets	Tube Circuit Diagram	Type	List	Purpose	Filament Volts	Filament Amps.	Plate Volts	Plate Milliamps	Screen Volts Max.	Screen Milliamps	Neg. Grid Bias V.	Recommended Ohms Bias Resistor	Amplification Factor and D. R. Gain.	Recommended Ohms Plate Load A. C. Plate Res.	Power Output Milliwatts	Max. Power Consumption In Watts
		482B	$1.65	Sparton P-P A. F. Triode	5 A. C.	1.25	250	18			-32.5	1805 4 Watt	5 *11.5*	4500 *8250*	1400	10.8
		483	1.65	Sparton P-P A. F. Triode	5 A. C.	1.35	250	25.3			-40.5	1580 2 Watt	3.3 *8.5*	3900 *1950*	1600	14.1
		484	1.45	Sparton Triode Quick Heater Replacing 484	3 A. C.	1.25	90	5			- 3	600 ½ Watt	12.5 *28*	 *9500*		4
		486	4.10	Sparton Special Triode	3 D. C.	.25	90	3			- 3	1000 ½ Watt	12.5 *15.9*	 *4000*		1
		586	4.00	Sparton Pwr. Output Same as 50	7.5 A. C.	1.25	450	55			-80	1450 10 Watt	3.8 *9.5*	4350 *1800*	4600	34
		864	2.10	For Portable Oscillator and Preamplifiers	1.1 D. C.	.25	135	3.5			- 9	2575 or "C" Batt.	8.2 *14*	 *3500*		.75
		950	2.20	Power Amplifier Pentode	2.0 D. C.	0.12	135	7	135	2	-16.5	2000 ½ Watt		13,500	450	1.2
		AE		Tetrode Hi-Mu Output	12.6 A. C. D. C.	0.3	100	8.5	100	1.75	-13.5	1330 1 Watt	20 *26.1*	13500 *81000*	400	4.5
		GA	2.75	Arcturus Special Pentode	5 A. C. D. C.	.25	180	25	180	7.5	-10	307 1 Watt	60 *35 6*	7000 *42000*	800	7.1
		KR5		Kenrad Pwr. Output Pentode	6.3 A. C. D. C.	0.3	165	17	165	3.5	-11	537 2 Watt	100 *40*	8000 *48000*	1200	5.3
		KR20	3.00	AVC Detector	2.5 A. C.	1	250	3.5					14 *23*	.1 Meg *.1 Meg*		3.4
		KR22	2.00	AVC Detector	6.3 A. C. D. C.	0.4	250	3.5					14 *23*	.1 Meg *.1 Meg*		3.4
		KR25		Pentode Output	2.5 A. C.	1.75	250	34	250	6.5	-16.5	407 4 Watt	220 *46.9*	9000 *54000*	3000	14.5
		LA	2.75	Pwr. Pentode Substitute 6A4	6.3 A. C. D. C.	0.3	165	17	165	3.5	-11	470 2 Watt	100 *40*	8000 *50000*	1200	5.3
		PZ	1.30	Arcturus Number for Type 47	2.5 A. C.	1.5	250	32.5	250	7.2	-16.5	410 4 Watt	95 *39.6*	7000 *55000*	3000	13.8
		PZH	1.60	Arcturus Number for Type 2A5	2.5 A. C. D. C.	2	250	33.5	250	8	-16.5	400 5 Watt	100 *40*	7000 *55000*	3500	15.5
		WD11	1.25	Early Batt. Sets	1.1 D. C.	.25	135	3			- 9	"C" Batt.	6.5 *16.3*	 *15500*		.68
		WX12	1.25	Gen. Purpose Triode Sub. 864	1.1 D. C.	.25	135	3			- 9	"C" Batt.	6.6 *16.4*	 *15500*		.68
		WUN	3.00	Twin Grid AVC. Det.	2.5 A. C. D. C.	1	250	7			-16.5	2360 ½ Watt	9.25 *14.4*	 *12000*		4.25
		WUNA	3.00	For Auto Sets	6.3 A. C. D. C.	0.4	250	7			-16.5	2360 ½ Watt	9.25 *14.4*	 *12000*		4.25

New Tobe Condenser Analyzer

Indicates "Opens"—"Shorts"—Identifies All Condensers as "Satisfactory" or "Replace"

A scientific test instrument developed by Tobe. All types of condensers are quickly and accurately tested under normal operating voltage conditions. Leaky, Open or Intermittent Units are easily detected. Easy to operate. The proper setting of the three controls adjusts the circuit for the condenser under test. Paper, mica and oil condensers are tested by measuring the D.C. resistance under voltage. A "Relaxation Oscillator" circuit using a 201A tube in a special rectifier circuit is employed. A special neon glow lamp is the indicator. Electrolytic condensers are analyzed by determining the leakage current at rated voltage. Voltages up to 700 volts D.C. may be applied to any condenser under test.

Compact and Complete

Condenser Analyzer is supplied in a sloping panel metal cabinet. Black wrinkle finish. Two 30" long test leads are attached. Insulated alligator clip connections 6' Power supply cord and plug. Condenser Analyzer Operating Chart, Neon Glow Lamp and complete instructions included. 201A tube not supplied. Operates on 105-120 volt 50-60 cycle current.

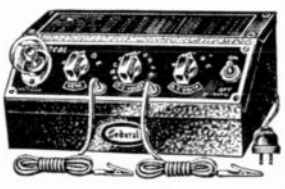
3F8505—

YOUR PRICE **$11.40**

Federal Condenser Analyzer

3F2625—Complete with rectifier tube and neon glow lamp.

YOUR PRICE **$9.95**



Accurately tests and analyzes all mica, paper, electrolytic and oil condensers under actual working conditions.

All capacities of condensers from .00005 mfd. to 16 mfd. tested under the same methods as used by leading radio manufacturers. Large size, one watt neon bulb quickly indicates whether condenser under test is shorted, leaky or good. Voltage for leakage test is secured from built-in power supply which uses a type 80 rectifier tube. Condensers are automatically discharged when switch is turned to "off" position. Requires only three adjustments for leakage, A.C. voltage and D.C. voltage. Furnished complete with two 24" insulated test leads with alligator clip connections, 80 tube, neon glow lamp and full instructions. Metal case is attractively finished in Black Crackle with permanent metal reference chart attached. Many receiver troubles can be directly traced to faulty R.F. and Audio By-Pass condensers and this useful instrument will soon pay for itself in the time and money it saves.

New Types of Tubes

Radolek stocks new types for you as soon as announced. Lowest Dealer Prices will apply.

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World Radio History

Champion RADIO TUBES

Highest Quality At Lowest Prices

Champion precision built Tubes will give dependable and satisfactory performance. Guaranteed to equal characteristic standards set by leading tube manufacturers. Every tube comes to you carefully pre-tested and in perfect operating condition. Each tube is individually packed in the new style attractive Sealed Carton. Guaranteed for six months, burnouts and breakage alone are excepted.

Champion tubes are available to you in a complete variety of demanded types at a Bigger Discount which in most cases, represents a 10% to 15% More Profit for you on every sale. You sell at list price.

Turn your Bigger Discounts into Bigger Profits for YOU. These tubes are superior or equal to any other brand of tubes offered at the same price and compare favorably with other recognized Standard Brands selling at higher prices. Champions are guaranteed high quality tubes offered to you at outstandingly low prices that are only possible because of highest efficiency in manufacture. We do not believe it is possible to buy equal tube quality elsewhere at these low prices. ***Your Discount is Figured at 50%. On Orders for 25 Assorted Champion Tubes Deduct 10% from Prices Quoted Below.***

Quantity Discounts Do Not Apply to "Sampler" or "Champac" Assortments

CHAMPION Resistance Tubes

Used by many manufacturers in place of a resistance line cord. Sell only for replacements of types used as original equipment in receivers. Designed for use in receivers using two 25 volt tubes and two 6.3 volt tubes.

Glass Types

Type Number	Stock Number	List Price	Your Price
185R	3J517	$1.00	34c EACH
185R4	3J483	1.10	
185R8	3J594	1.10	
165R	3J484	1.00	
165R4	3J485	1.10	
165R8	3J486	1.10	
140R	3J487	1.00	
140R4	3J488	1.10	
140R8	3J489	1.10	

Metal Types

55A1	3J3135	$1.00	49c EACH
55A2	3J3136	1.10	
55B2	3J3137	1.10	
49A1	3J3138	1.00	
49A2	3J3139	1.10	
49B2	3J3140	1.10	
42A1	3J3141	1.00	
42A2	3J3142	1.10	
42B2	3J3143	1.10	

Triad 6B5

Power Amplifier

6.3 Volt Filament

3J616— List, $2.25.

YOUR PRICE **$1.05**

Combines advantages of Class A and Class B Amplifier in one tube. Normally delivers 10 watts audio output in push-pull circuit with 300 volts on plate or 20 watts with increased plate voltage. 6 prong base.

Triad 2B6

Power Amplifier

2.5 Volt Filament

3J615— List, $2.50.

YOUR PRICE **$1.19**

Six watts of Audio Output may be secured from a single 2B6 or 15 to 18 watts from two in Push Pull with 400 volts on plates. Large seven prong base.

Type Number	Stock Number	List Price	Your Price
00A	3J520	$1.25	$0.62
01A	3J521	.59	.29
1V/623	3J522	.89	.44
1A6	3J523	1.25	.62
1C6	3J524	1.50	.75
2A3	3J525	1.25	.62
2A5	3J526	.99	.49
2A6	3J527	.99	.49
2A7	3J528	1.25	.62
2B7	3J530	1.25	.62
5Z3	3J531	.89	.44
6A4/LA	3J532	1.25	.62
6A7	3J533	1.25	.62
6B7	3J534	1.25	.62
6C6	3J535	.99	.49
6D6	3J536	.89	.44
6F7	3J537	1.50	.75
10	3J538	2.00	1.00
12A	3J540	.69	.34
12A5	3J518	1.50	.75
12A7	3J519	1.50	.75
12Z3	3J541	.99	.49
19	3J542	.99	.49
20	3J543	.99	.49
22	3J544	1.25	.62
24A	3J545	.89	.44
25Z5	3J546	.99	.49
26	3J547	.59	.29
27	3J548	.69	.34
30	3J549	.69	.34
31	3J550	.69	.34
32	3J551	1.25	.62
33	3J552	.99	.49
34	3J553	1.25	.62
35/51	3J554	.89	.44
36	3J555	.89	.44
37	3J556	.69	.34
38	3J557	.89	.44
39/44	3J558	.89	.44
40	3J559	.69	.34
41	3J560	.89	.44
42	3J561	.99	.49
43	3J562	.99	.49
45	3J563	.69	.34
46	3J564	.99	.49
47	3J565	.89	.44
48	3J566	2.50	1.25
49	3J567	.99	.49
50	3J568	2.50	1.25
53	3J569	1.25	.62
55	3J570	.99	.49
56	3J571	.69	34.
57	3J572	.89	.44
58	3J573	.89	.44
59	3J574	1.25	.62

Type Number	Stock Number	List Price	Your Price
71A	3J575	$0.69	$0.34
75	3J576	.99	.49
76	3J577	.69	.34
77	3J578	.99	.49
78	3J579	.99	.49
79	3J580	1.25	.62
80	3J581	.59	.29
81	3J582	2.00	1.00
82	3J583	.89	.44
83	3J584	.89	.44
84/6Z4	3J585	1.25	.62
85	3J586	.99	.49
89	3J587	.99	.49
V99	3J588	.99	.49
X99	3J589	.99	.49

Majestic Types

2A7S	3J322	$2.30	$1.15
2B7S	3J323	2.10	1.05
2S/4S	3J324	2.65	1.33
2Z2/G84	3J325	1.85	.93
6A7S	3J326	2.30	1.15
6B7S	3J327	2.10	1.05
6C7	3J328	1.90	.95
6D7	3J329	1.75	.88
6E7	3J330	1.75	.88
6F7S	3J498	1.90	.95
6Y5	3J499	1.90	.95
6Z4(84)	3J500	1.25	.62
6Z5	3J501	1.90	.95
24S	3J502	1.30	.65
25/25S	3J503	3.70	1.85
27S	3J504	.80	.40
35S/51S	3J505	1.40	.70
46A1	3J506	1.10	.55
46B1	3J507	1.10	.55
55S	3J508	1.70	.85
56AS	3J509	1.30	.65
56S	3J510	1.30	.65
57AS	3J511	1.75	.88
57S	3J512	1.75	.88
58AS	3J513	1.75	.88
58S	3J514	1.75	.88
75S	3J515	1.70	.85
85AS	3J516	1.70	.85

Sparton Types

182B	3J590	1.50	.75
183	3J591	1.50	.75
485	3J592	1.50	.75

Deduct An Additional 10% Disc. on Orders for 25 or More Tubes

Champion Sampler Assortment *of the* Most Popular Replacement Type Tubes

Buy the Champion Sampler Assortment of 18 tubes and save over 25%.

Your discount figures 60% on the "Sampler" package of Champion tubes. With such a discount there is big profit in them for you. You can sell these tubes at a discount if you want to, but you don't have to in order to move them. They are attractively boxed and will show up as well or better on your tube checker than any other standard brand . . . . . and your trade will accept them just as readily. Each tube is boxed in an individual sealed Champion carton and the entire assortment of eighteen tubes is packaged in a giant Jumbo sealed shipping carton. Order a "Sampler" today . . . . . we know that Champion tubes will give your customers perfect, sweet-toned reception and that they will last longer.

Quantity	Type	List	Total List
3	24A	$0.89	$2.67
3	26	.59	1.77
3	27	.69	2.07
3	45	.69	2.07
3	71A	.69	2.07
3	80	.59	1.77
3J310— Total List Price			$12.42
YOUR PRICE For 18 Tubes			$4.95

Champion Champacs

Special low net prices on quantities of popular replacement type Champion Tubes. Your discount figures approximately 60%. Each tube is packed in a sealed Champion container and the quantity of eighteen tubes is boxed in a giant Jumbo sealed shipping container. Eighteen tubes of one type must be ordered.

Stock Num.	Consists of	Total List Price	Your Net Price
3J311	18 type 01A	$10.62	$4.55
3J312	18 type 26	10.62	4.55
3J313	18 type 80	10.62	4.55
3J314	18 type 27	12.42	4.95
3J315	18 type 45	12.42	4.95
3J331	18 type 71A	12.42	4.95
3J332	18 type 24A	16.02	6.45

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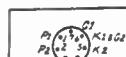
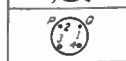
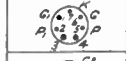
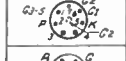
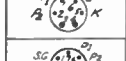
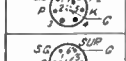
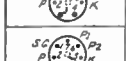
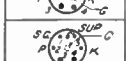
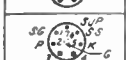
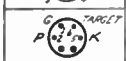
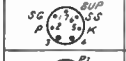
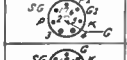
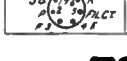
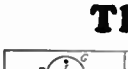
World Radio History

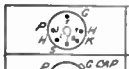
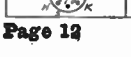
Radolek TUBE CHART

With Bias Resistor Data and Total Power Consumption of all standard American Made Radio Receiving Set Tubes.

See Explanatory Note, Bottom of Page III

Bottom View of Sockets	Tube Circuit Diagram	Type	List	Purpose	Filament Volts	Filament Amps.	Plate Volts	Plate Milliamps	Screen Volts Max.	Screen Milliamps	Neg. Grid Bias V.	Recommended Ohms Bias Resistor	Amplification Factor and D. B. Gain	Recommended Ohms Plate Load A. C. Plate Res.	Power Output Milliwatts	Max. Power Consumption In Watts
		2B6	$2.50	Doube A-F Amp. Values for Output Sec.	2.5 A. C.	2.25	350	45			-24 +2.5	8000 540 ½&5 W.	26.4 *22*	5000 *11000*	5000	21.4
		2B7	1.35	AVC Duo-diode Pentode	2.5 A. C. D. C.	0.8	250	9	125	2.3	- 3	266 ½ Watt	730 *37*	*650000*		4.5
		6A3	1.60	Power Amplifier Triode	6.3 A. C. D. C.	0.8	250 300	60 40	Single Push-Pull With Independ.		-45 -62 Fixed Bias	750 10 Watt P. P. Output	4.2 4.2	2500 500 3000	3500 10000 15000	20
		6A4	1.35	Pentode Pwr. Output Same as LA	6.3 A. C. D. C.	0.3	180	22	180	3.9	-12	463 2 Watt	100 *54*	8000 *45500*	1400	6.6
		6A6	1.25	Class B Power Amplifier Class A Driver	6.3 6.3	0.8 0.8	300 250	125 6	per	plate	0 -6	0 per 1000	plate 35	10000	10000	42.6 6.5
		6A7	1.35	Mixer Oscillator	6.3 A. C. D. C.	0.3	250	3.5	100 Anode 200	2.2 Grid #2 4	- 3	525 ½ Watt	*360000*			3
		6B5	2.25	Single Power Amplifier Push-Pull	6.3 A. C. D. C.	0.8 0.8	300 440	45 45	per	plate	0 13	0 plate to	plate	7000 10000	Sgle. 4 P.P.10 20	18.5 25 per Tube
		6B7	1.35	Diode Pentode	6.3 A. C. D. C.	0.3	250	9	125	2.3	- 3	265 ½ Watt	730 *37*	*650000*		4.4
		6C6	1.10	Var-Mu R. F. Pentode	6.3 A. C. D. C.	0.3	250	2.3	100	1	- 3	910 ½ Watt	1500 *42*	*1.5* Meg.		2.5
		6C7	1.90	AVC Diode Pentode	6.3 A. C. D. C.	0.3	250	5.5			- 9	1635 ½ Watt	20 *28*	*10000*		3.3
		6D6	1.00	Var. Mu R. F. Pentode	6.3 A. C. D. C.	0.3	250	7.5	100	1.75	- 3	324 ½ Watt	1280 *41*	*8000000*		4
		6D7	1.75	R. F. Pentode	6.3 A. C. D. C.	0.3	250	2.3	100	1	- 3	910 ½ Watt	1500 *42*	. *1.5* Meg.		2.5
		6E5	1.60	Tuning Indicator	6.3 A. C. D. C.	.3	250	.25	250	4.5	-8					3
		6E6	1.70	Twin Triode Power Amp.	6.3 A. C. D. C.	.6	250	36			27.5	770 1 watt	6 *12*	1400 *1750*	600	12.8
		6E7	1.75	R. F. Pentode	6.3 A. C. D. C.	0.3	250	7.5	100	1.75	- 3	324 ½ Watt	1160 *40*	*800000*		4
		6F7	1.60	Mixer, Osc. Triode Pentode	6.3 A. C. D. C.	0.3	250	6.5	100	1.5	- 3	375 ½ Watt	900 *39*	*850000*		3.7
		12A5	2.10	Double Heater Pentode	12.6 A. C. D. C.	0.3	180	40	180	9	-27	551 5 Watt		4500	2800	12.6

The New Metal Envelope ["Steel" "Octal"] Tubes

		6C5	1.25	Det. Amp. Triode	6.3 A.C. or	0.3 D.C.	250	8			-8		20 16	10,000		3.9
		6F5	1.25	Hi-Mu Triode	6.3 A. C. D. C.	0.3	250	.9			-2		100			2.2
		6F6	1.50	Power Amplifier Pentode	6.3 A.C. D.C.	0.7	250	34	250	6.5	-16.5		220 Appro	x 7,000 100,000	3	14.7
		6H6	1.25	Twin Diode	6.3 A.C. D.C.	0.3	A.C. 100 v.	D.C. output current 2 mill. maximum								
		6J7	1.60	Triple Grid Det. Amp.	6.3	0.3	250	2	100	.5	-3		1,500 plus	1.5 meg. plus		2.6
		6K7	1.50	Triple Grid Super Control Amp.	6.3 A.C. D.C.	0.3	250	7.	100	1.7	Grid No. 1, -3 volts, Grid No. 3 tied to Cathode		1160	.8 meg.		3.9
		6L7	1.75	Used as Penta-grid Mixer	6.3 A.C. D.C.	0.3	250	3.5	150	8.	Grid No. 1 -6. Grid No. 3, -20			2 meg. plus		3.6
		6L7	1.75	Used as Amplifier			250	5.3	100 G 2&4	5.5	Grids 1 & 3 -3			.8 meg.		3.8
		6A8	1.75	Pentagrid Converter	6.3 A.C. D.C.	0.3	250		Grids 3 & 5 100		Grid No. 4 -3		Anode grid voltage -200 volt (Grid No. 2) Total Cathode Current 14 Milliamperes			
		6Q7	2.00	100 Diode Triode Amp. Det.	6.3 A. C. D. C.	.3	100v. A. C. 250	D.C. output current 2 m.a. maximum 1.2			-3		70 *80*	*59000*		2.0
		6R7	2.00	Diode Triode	6.3 D. C. A. C.	.3	250	9			-8		16	15000 *8500*	280	4.1
		25A6	1.75	Power Amplifier Pentode	25 A. C. D. C.	.3	180	40	135	8	-20		96 33	5000 *40000*	2750	15.8

World Radio History

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HYGRADE Sylvania RADIO TUBES

The Set Tested Tubes

Sylvania tubes have earned an enviable reputation for unerring uniformity of quality. Every Tube Is Tested Under Actual Working Conditions. Extensive national advertising has made Sylvania one of the most popular brands on the market. For a number of years, Sylvania has reached millions of consumers with various forms of advertising, including radio programs, newspaper and magazine advertisements. Through this means and through actual use, millions of homes prefer the Sylvania brand. A quality product, supported by financial strength to carry it through, makes clean merchandising possible.

Sell At Full List Price

Sylvania Radio tubes are only advertised at full list price. Therefore, Sylvania tubes are the easiest to sell at the full list price. A complete line of quality merchandise, with strict resale policies, fair adjustment, and price protection, insures a uniform profit.

Buy 25 Assorted Types Of Sylvania Tubes

And Receive an Additional 5% Discount

When ordering Sylvania Tubes in lots of twenty-five or more deduct an additional 5% from the total net price of the tubes specified on your order. It is not necessary to buy twenty-five of one type tube in order to obtain the quantity discount.

Sylvania Sales Helps

Electric Sign

A Real Sales Help That Tells in a Flash!

Lithographed in five brilliant colors. Flasher socket intermittently illuminates sign. Reads "Buy Sylvania Set Tested Radio Tubes" when flasher is on. For operation on 110 V. AC or DC. Size: 14½" wide, 11" high, 6¾" deep.

3J293—Less Bulb. (With order for ten Sylvania Tubes.) **$1.00**

YOUR PRICE .....

Tube Stickers

Imprinted with Your Name

3F298

Your Price Roll of 2,000

$1.00

Rolls of 2000 Stickers with spaces for notations of date sold or tested and the condition of the tube. Imprinted with three lines of copy—Your Name, Address and City or Phone Number. Print Instructions Plainly.

Include Remittance with Order.

Tube Technical Manual

With Socket Layout Guide

A 100 page booklet full of valuable tube information. Covers the following subjects—Fundamental Properties of Vacuum Tubes, Classifications, Definitions, General Tube and circuit Information, B-Voltage Supplies, Heater Voltage Supplies, Volume Control Considerations, Shielding, Filtering, Tube and Base Diagrams, Symbols and characteristics of Sylvania Tubes. Handy Pocket size.

3F294—

YOUR PRICE ..... **10¢**

(With Order for 10 Sylvania Tubes)... **Free**

Type Num.	Stock Number	List Price	Your Price
01A	3H232	$0.70	$0.34
1A1	3H228	1.00	.56
1A4	3H229	1.75	.98
1A6	3H233	1.35	.71
1B1	3H287	1.25	.70
1B4	3J344	2.00	1.08
1C1	3H288	1.00	.56
1C6	3H234	1.60	.85
1D1	3H289	1.25	.70
1E1	3H290	1.25	.70
1G1	3H333	1.25	.70
1V	3H235	1.00	.51
2	3H334	1.00	.56
3	3H340	1.10	.62
4	3H341	1.00	.56
5	3H342	1.10	.62
2A3	3H236	1.35	.71
2A5	3H237	1.10	.57
2A6	3H238	1.10	.57
2A7	3H239	1.35	.71
2B7	3H240	1.35	.71
5Z3	3H241	1.00	.51
6	3H363	1.50	.84
6A3	3H286	1.60	.83
6A4/LA	3H242	1.35	.71
6A6	3H243	1.35	.71
6A7	3H244	1.35	.71
1B5/25S	3H285	1.35	.71
6B5	3H378	2.25	1.25
6B7	3H245	1.35	.71
6C6	3H246	1.10	.57
6D6	3H247	1.00	.51
6E5	3H396	1.60	.85
6E6	3H399	1.70	.85
6F7	3H248	1.60	.85
7	3H211	1.10	.62
8	3H212	1.10	.62
9	3H213	1.10	.62
10	3H249	2.10	1.12
12A	3H250	.80	.39
12Z3	3H251	1.10	.57
12A5	3H252	2.10	1.20
12A7	3H253	2.20	1.26
15	3H254	2.00	1.14
18	3H255	2.00	1.14
19	3H256	1.10	.57
20	3H257	1.10	.57
22	3H258	1.35	.71
24A	3H259	1.00	.51
25Z5	3H260	1.10	.57
26	3H261	.70	.34
27	3H262	.80	.39
30	3H263	.80	.39
31	3H264	.80	.39
32	3H265	1.35	.71
33	3H266	1.10	.57
34	3H267	1.35	.71
35/51	3H268	1.00	.51
36	3H269	1.00	.51
37	3H270	.80	.39
38	3H271	1.00	.51
39/44	3H272	1.00	.51
41	3H273	1.00	.51
42	3H274	1.10	.57
43	3H275	1.10	.57
45	3H276	.80	.39
46	3H277	1.10	.57
47	3H278	1.00	.51
48	3H279	2.60	1.42
49	3H280	1.10	.57
50	3H281	2.60	1.42
53	3H282	1.35	.71
55	3H283	1.10	.57
56	3H284	.80	.39
57	3H345	1.00	.51
58	3H346	1.00	.51
59	3H347	1.35	.71
71A	3H348	.80	.39
75	3H349	1.10	.57
76	3H350	.80	.39
77	3H351	1.10	.57
78	3H352	1.10	.57
79	3H353	1.35	.71
80	3H354	.70	.34
81	3H355	2.10	1.14
82	3H356	1.00	.51
83	3H357	1.00	.51
83V	3H395	1.60	.85
84	3H358	1.35	.71
85	3H359	1.10	.57
89	3H360	1.10	.57
V-99	3H361	1.10	.57
X-99	3H362	1.10	.57

Sparton Types

182-B	3H364	$1.65	$0.94
183	3H365	1.65	.94
485	3H366	1.45	.82

Majestic Types

2A7S	3H367	$2.30	$1.31
2B7S	3H368	2.10	1.20
2S/4S	3H369	2.65	1.51
2Z4/G84	3H370	1.85	1.05
6A7S	3H371	2.30	1.31
6B7S	3H372	2.10	1.20
6C7	3H373	1.90	1.08
6D7	3H374	1.75	1.00
6E7	3H375	1.75	1.00
6F7S	3H376	1.90	1.08
6Y5	3H377	1.90	1.08
6Z4(84)	3H358	1.30	.71
6Z5	3H379	1.90	1.08
24S	3H380	1.30	.74
25/25S	3H381	2.70	1.54
27S	3H382	.80	.46
35S/51S	3H383	1.40	.80
46A1	3H384	1.10	.63
46B1	3H385	1.10	.63
55S	3H386	1.70	.97
56AS	3H387	1.30	.74
56S	3H388	1.30	.74
57AS	3H397	1.75	1.00
57S	3H398	1.75	1.00
58AS	3H391	1.75	1.00
58S	3H392	1.75	1.00
75S	3H393	1.70	.97
85AS	3H394	1.70	.97

Free Price Lists and Service Booklets

Free with Order for Sylvania Tubes

3J295—List Price Folders. Twenty-five supplied..... **Free**

3J296—Service Hints. A 64 page booklet containing service information covering peculiarities of specific receivers and miscellaneous information covering Amplifiers, Auto Radios, Resistors, Transformers, Tubes, Etc. ..... **Free**

3J297—Auto-Radio Installation and Servicing. An 80 page booklet containing valuable information on Auto Radio Installation, Interference Suppression, Service Hints and Auto Radio Type Tubes. ..... **Free**

Flashlight Screw Driver

3J291—

YOUR PRICE EACH ..... **48¢**

With Order for 25 Sylvania Tubes.... **Free**

Light is focused on screw at point of driver. Nickel plated metal parts. Fine tool steel blade fits all radio screws. Clip attached for conveniently carrying in vest pocket. Supplied complete with battery.

SYLVANIA All Metal Tubes

Type Num.	Stock Number	List Price	Your Price
5Z4	3J3074	$1.60	$0.89
6A8	3J3073	1.75	.98
6C5	3J3066	1.25	.70
6F5	3J3067	1.25	.70
6F6	3J3068	1.50	.84
6H6	3J3069	1.25	.70
6J7	3J3070	1.60	.89
6K7	3J3071	1.50	.84
6L7	3J3072	1.75	.98
6Q7	3J3075	2.00	1.12
6X5	3J3076	1.75	.98
25A6	3J3077	1.75	.98
25Z6	3J3078	1.75	.98

As new types of All Metal Tubes are placed on the market, Radolek will promptly have them in stock for you at lowest prices.

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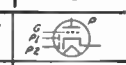
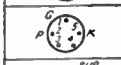
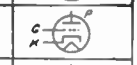
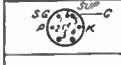
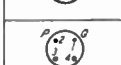
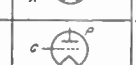
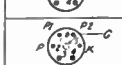
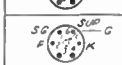
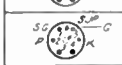
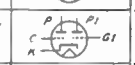
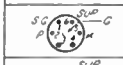
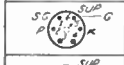
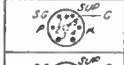
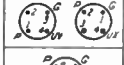
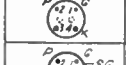
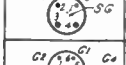
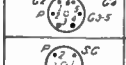
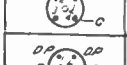
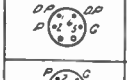
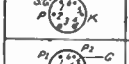
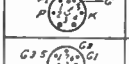
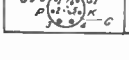
World Radio History

Radolek TUBE CHART

With Bias Resistor Data and Total Power Consumption of all standard Receiving Set Tubes.

See Explanatory Note, Bottom of Page III

Bottom View of Sockets	Tube Circuit Diagram	Type	List	Purpose	Filament Volts	Filament Amps.	Plate Volts	Plate Milliamps	Screen Volts Max.	Screen Milliamps	Neg. Grid Bias V.	Recommended Ohms Bias Resistor	Amplification Factor and D. R. Gain	Recommended Ohms Plate Load A. C. Plate Res.	Power Output Milliwatts	Max. Power Consumption In Watts
		55	$1.10	Diode Le-Mu Triode	2.5 A. C.	1	250	8			-20	2500 ½ Watt	8.3 *14*	20000 *7500*	350	4.5
		56	.80	Improved Triode	2.5 A. C.	1	250	5			-13.5	2700 1 Watt	13.8 *16*	*9500*		3.5
		57	1.00	HI-Mu. Det. R. F. and Osc.	2.5 A. C.	1	250	2	100	0.5	- 3	1200 1 Watt	1500 *48*	*1.5* Meg		3.1
		58	1.00	Var.-Mu R. F. Amp.	2.5 A. C.	1	250	8.2	100	2	- 3	294 ⅓ Watt	1280 *41*	*0.8* Meg		4.8
		59	1.35	3 Grid Triode Pentode	2.5 A. C.	2	250 250 400	35 26	250 As Triode Class "B"	9	-18 -28	408 1150	100 6	6000 5000 6000	3000 1250 20000	16 11.5
		71A	.80	Pwr.-Amp. Triode	5 A. C. D. C.	.25	180	20			-43	2150 2 Watt	3 *8*	4800	790	4.9
		75	1.10	Double Diode HI-Mu Triode	6.3 A. C D. C.	0.3	250	0.8			-2.	2500 ⅛ Watt	50 *26*			2.1
		77	1.10	HI-Mu R. F. Pentode	6.3 A. C. D. C.	0.3	250	2.3	100	0.6	- 3	1035 ⅛ Watt	1500 *48*	*1.5* Meg		2.5
		78	1.10	Var. Mu. R. F. Pentode	6.3 A. C. D. C.	0.3	250	7	100	2	- 3	334 ⅛ Watt	1160 *40*	*0.6* Meg		3.9
		79	1.35	Class "B" Twin Triode	6.3 A. C. D. C.	0.6	180	7.5	Class "B"					7000	5500	
		85	1.10	AVC Diode Triode	6.3 A. C. D. C.	0.3	250	8			-20	2500 1 Watt	8.3 *14*	20000 *7500*	350	3.9
		87	1.65	R. F. Pentode Same as 57A	6.3 A. C. D. C.	0.4	250	2	100	1	- 3	1000 ⅛ Watt	1250 *41*			3.2
		88	1.65	Var. Mu. R. F. Pentode Same as 58A	6.3 A. C. D. C.	0.4	250	8.2	100	3	- 3	270 ⅓ Watt	1280 *41*			4.9
		89	1.10	-As a Triode or Pentode	6.3 A. C. D. C.	0.4	250 250	32 32	250	5.5	-31 -25	970 666 1 Watt	4.7 *54*	5500 6750 *70000*	350 340	10.5 11.9
		89	1.10	-As a Class "B" Amplifier	6.3 A. C. D. C.	0.4	180				0			9400	3500	
		UV99 UX99	1.10 1.10	Gen. Purpose Same as 299	3.3 D. C.	0.06	90	2.5			-4.5	"C" Batt.	6.6 *16.4*	*15500*		.43
		181	1.90	Sparton Power Tube Top Heater	3 A. C.	1.75	180	20			-32	1600 2 Watt	5 *14*	7000 *2170*	1500	8.9
		401 403 373	4.00	Kellog O'v'rhead Heater Triode	3 A. C.	1	180	6			-13.5	2250 ½ Watt	8.7 *14.3*	14000 *7000*		4
		1A4	1.75	Tetrode R. F.-I. F. Amp.	2.0 D. C.	.06	180	2.3	67	.7	-3	1000 ⅛ watt	720 *57*	*960000*		.58
		1A6	1.35	Mixer.-Osc. Same as 15	2 D. C.	0.06	180	1.3	67.5 Anode 135	2.4 Grid #2 2.3	- 3	1037 ⅛ Watt		*0.5* Meg.		.67
		1B4	2.00	Based Detector R. F. Amplifier	2.0 D. C.	0.06	180	1.7	67	.4	-3	1500 ⅓ Watt	780 36	*1.2 Meg.*		.45
		1B5 25S	1.35	Det. Amp. Duplex Diode Triode	2.0 D. C.	.06	135	.8			-3	3750 ⅛ watt	20 *20*	*55000*		.23
		2A3	1.35	Multi. Filament Class "A"	2.5 A. C.	2.5	250 300	60 40	Push-Pull		-45 -62	750 10 Watt	4.2 *10*	2500 5000 3000	3500 10000 15000	21.3
		1C6	1.60	Heptode Converter	2 D. C.	.13	180	2.8	67.5	0.1	- 3			*750000*		.67
		2A5	1.10	Pentode Output Same as 95 and PZH	2.5 A. C.	1.75	250	34	250	6.5	-16.5	407 4 Watt	220 *35*	7000 *1* Meg.	3000	14.5
		2A6	1.10	Double Diode HI-Mu Triode	2.5 A. C. D. C.	0.8	250	0.8			- 2	2500 ⅛ Watt	50 *26*			2.2
		2A7	1.35	Mixer. Osc. Converter	2.5 A. C. D. C.	0.8	250	3.5	100 Anode 200	2.2 Grid #2 4	- 3	300 ⅛ Watt		*360000*		3

EXPLANATORY NOTE for Radolek Tube Charts

Watt rating recommended for bias resistor values is high enough to carry the A.C. component of the plate circuit. All bias resistors should be bypassed by sufficient capacity to handle 75% of the A.C. component. Use the power consumption of tubes plus 15% for loss in resistors and bleeder circuits in determinating transformer size and power consumption.

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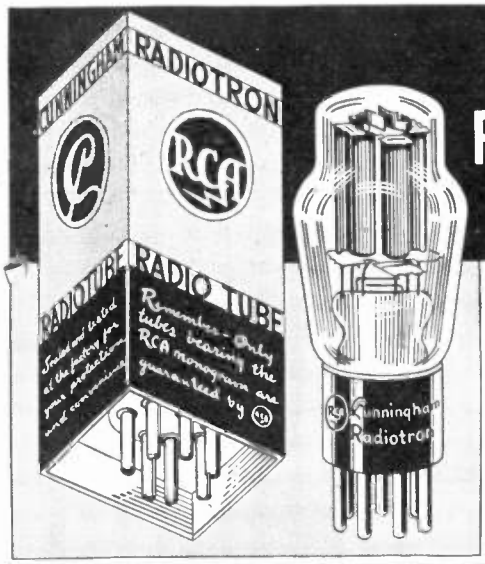


RCA RADIOTRON·CUNNINGHAM *Radio Tubes*

THE STANDARD OF COMPARISON

New Sealed Cartons

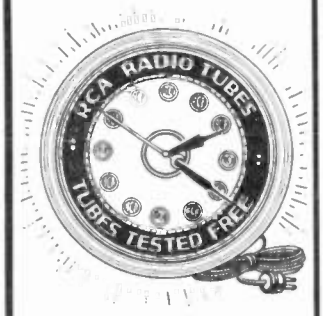
Cunningham Tubes and R.C.A. Radiotrons are identical in quality and characteristics and are one and the same tube. The Radiotron and Cunningham names are both stamped on the base of each tube. Both names appear on the new attractive red, white and black sealed cartons. Prices in effect at the time this catalog was printed are quoted. Price changes announced later will be promptly passed on to you. Fully guaranteed for six months, subject to the usual exceptions of burnouts and breakage.

Merchandising Aids

More profit, greater volume, satisfied customers. Advertising builds confidence, as well as more business. Tie your firm name in with R.C.A. and profit by the millions of dollars R.C.A. spends on national advertising. You increase your customer's confidence in you when you handle reliable well known merchandise. The advertising pieces on this page have been selected because of successful results obtained on tests by leading servicemen. This is the most economical profit-producing publicity you can buy.

R. C. A. Sales Helps

Hammond Illuminated Electric Store Clock



4J11812— YOUR SPECIAL PRICE **$5.00**

A practical and useful sales help. Every R.C.A. tube dealer should have one. Harmoniously colored and artistically designed. Five attractive colors: red, gold, black, blue and white. The R.C.A. trademark is used to indicate the hour markings. Entire case is constructed of a heavy guage metal. Heavy plate glass dial face. Large size minute and hour hands. Full sweep second hand. Securely mounted, completely enclosed, Hammond synchronous movement. Also housed within the case are two 30 watt lamps for night illumination. Metal case is fitted with two eyelets for suspending clock. 6' long cord and plug. For 60 cycle 90 to 125 volt operation. Diameter 20", depth 6".

Dummy Cartons

For Display Only

Exactly the same as the cartons regularly used on R.C.A. tubes. Shipped knocked-down. One entire side and bottom of carton is plainly marked, "For Display Purposes Only —Not For Sale."

3F993—Twenty-five dummy cartons free with an order for 10 R.C.A. tubes.

RCA Metal Tube Manual

This manual contains 27 pages of complete technical information covering features of the new R.C.A. All-Metal Radio Tubes.

3J999— YOUR PRICE.. **10¢**

Type Num.	Stock Number	List Price	Your Price	Type Num.	Stock Number	List Price	Your Price
00A	3F925	$1.25	$0.73	36	3F944	$0.89	$0.52
01A	3F926	.59	.34	37	3F945	.69	.40
1A6	3F904	1.25	.73	38	3F946	.89	.52
1B5/25S	3J913	1.25	.73				
1C6	3F912	1.50	.88	39	3F947	.89	.52
1	3F927	1.25	.73	40	3F948	.69	.40
				41	3F949	.89	.52
1-V	3F931	.89	.52	42	3F951	.99	.58
2A3	3F900	1.25	.73	43	3F953	.99	.58
2A5	3F901	.99	.58				
2A6	3F902	.99	.58	44	3F947	.89	.52
2A7	3F903	1.25	.73	45	3F955	.69	.40
				46	3F956	.99	.58
2B7	3F915	1.25	.73	47	3F957	.89	.52
5Z3	3F920	.89	.52	48	3F958	2.50	1.47
6A4	3F907	1.25	.73				
6A6	3F910	1.25	.73	49	3F959	.99	.58
6A7	3F911	1.25	.73	50	3F960	2.50	1.47
				53	3F962	1.25	.73
6B7	3F918	1.25	.73	55	3F963	.99	.58
6C6	3F905	.99	.58	56	3F964	.69	.40
6D6	3F906	.89	.52				
6E5	3J916	1.50	.88	57	3F965	.89	.52
6E6	3J917	1.50	.88	58	3F966	.89	.52
6F7	3F908	1.50	.88	59	3F967	1.25	.73
10	3F928	2.00	1.18	71A	3F972	.69	.40
				75	3F974	.99	.58
WD-11	3F929	1.25	.73	76	3F975	.69	.40
WD-12	3F930	1.25	.73	77	3F976	.99	.58
112A	3F932	.69	.40	78	3F977	.99	.58
12Z3	3F922	.99	.58	79	3F978	1.25	.73
19	3F909	.99	.58	80	3F979	.59	.34
20	3F933	.99	.58	81	3F980	2.00	1.18
22	3F934	1.25	.73	82	3F981	.89	.52
24A	3F935	.89	.52	83	3F982	.89	.52
25Z5	3F921	.99	.58	83V	3F971	1.50	.88
26	3F936	.59	.34	84	3F983	1.25	.73
27	3F937	.69	.40	85	3F984	.99	.58
30	3F938	.69	.40	89	3F986	.99	.58
31	3F939	.69	.40	99V	3F987	.99	.58
32	3F940	1.25	.73	99X	3F988	.99	.58
33	3F941	.99	.58	874	3F973	4.90	2.88
34	3F942	1.25	.73	876	3F989	6.70	3.94
35	3F943	.89	.52	886	3F985	6.75	3.97

Deduct An Additional 10% Disc. on Orders for 25 or More Tubes
Write for Prices in Larger Quantities

Radiotron New All-Metal Tubes

The New Metal Radio Tube that's "Sealed in Steel"

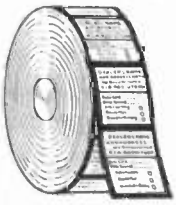
Every type in stock-ready for immediate shipment

Designed by General Electric and developed and manufactured by R.C.A. Radiotron. The new all-metal tubes feature, unusual sturdiness, compactness, perfect shielding, quiet operation, better reception of short waves, new self-aligning octal base. The new metal tubes are not interchangeable with conventional glass types and should be only used as replacements in sets using metal tubes and in circuits especially designed for them. **As new types of all-metal tubes are introduced, Radolek will promptly have them for you at the lowest prices.**

Type Num.	Stock Number	List Price	Your Price	Type Num.	Stock Number	List Price	Your Price
5Z4	3J3025	$1.60	$0.94	6J7	3J3021	$1.60	$0.94
6A8	3J3024	1.75	1.03	6K7	3J3022	1.50	.88
6C5	3J3017	1.25	.74	6L7	3J3023	1.75	1.03
6F5	3J3018	1.25	.74	6Q7	3J3026	2.00	1.18
6F6	3J3019	1.50	.88	25A6	3J3027	1.75	1.03
6H6	3J3020	1.25	.74	25Z6	3J3033	1.75	1.03

R. C. A. Sales Helps

Tube Stickers



Roll of 2000 Tube Stickers. Imprinted with your name, address and city.

3F996— Your Price **$1.00**

Every time you test a tube, put on an R.C.A. Tube Test Sticker. Sew up the renewal sale. Makes every tube a selling agent for you. The cost is negligible, the value great. Has space for date sold, date tested, satisfactory, doubtful and unsatisfactory indications. Imprinted with 3-lines (Your name, address and city.) Print name plainly on your order.

Metal Flange Sign

3F994— YOUR SPECIAL PRICE **$1.00**

A four-colored enamel job on heavy durable metal. Harmoniously lithographed on both sides. Your name will be individually hand-lettered on both sides of bottom panel. Sign is easily attached to building. Size overall 25" high, 20" wide. Print name desired on sign clearly.

RCA De Forest Transmitting Tubes

Stock Number	Type Number	Your Price
3J701	203A	$17.50
3J702	211	17.50
3J703	800	10.00
3J704	802	3.90
3J705	801	4.50
3J706	841	3.25
3J707	845	20.00
3J708	852	16.40
3J709	860	35.00
3J710	864	1.60
3J711	865	12.75
3J712	866	2.25
3J713	868	6.00
3J714	885	2.00
3J715	906	18.00
3J716	954	5.80
3J717	955	3.75

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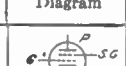
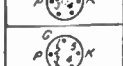
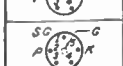
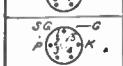
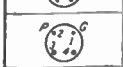
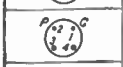
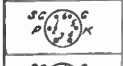
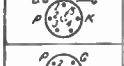
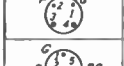
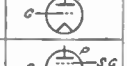
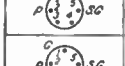
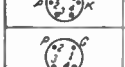
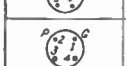
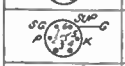
World Radio History

Radolek TUBE CHART

With Bias Resistor Data and Total Power Consumption of all standard American Made Radio Receiving Set Tubes.

See Explanatory Note, Bottom of Page III

Bottom View of Sockets	Tube Circuit Diagram	Type	List	Purpose	Filament Volts	Filament Amps.	Plate Volts	Plate Milliamps	Screen Volts Max.	Screen Milliamps	Neg. Grid Bias V.	Recommended Ohms Bias Resistor	Amplification Factor and D. B. Gain	Recommended Ohms Plate Load and A.C. Plate Res.	Power Output Milliwatts	Max. Power Consumption In Watts
		35	$1.00	Var. Mu. Same as 51	2.5 A. C.	1.75	250	6.5	90	2.5	- 3	333 Min. ½ Watt	420 *37*	*350000*		6.2
		36	1.00	Gen. Pur. Tetrode Same as 64A.	6.3 A. C. D. C.	0.3	180	3.1	90	1	- 3	750 ⅛ Watt	525 *38*	*300000*		2.9
		37	.80	Triode Same as 67A	6.3 A. C. D. C.	0.3	180	4.3			-13.5	3150 1 Watt	9.2 *14.5*	*10000*		2.8
		38	1.00	Pentode Same as 68A	6.3 A. C. D. C.	0.3	180	14	180	2.4	-18	1100 2 Watt	120 *54*	11600	1000	4.8
		39	1.00	Var-Mu Pentode Same as 44 and 65A	6.3 A. C. D. C.	0.3	250	5.8	90	1.4	- 3 Min.	417 ½ Watt	1050 *40*	*1.5* Meg.		3.5
		40	.75	Early Hi-Mu Triode	5 D. C.	.25	135	0.2			- 1.5		30 *22*	*150000*		.8
		40 501	6.00	Arcturus-Dia. T. Sonora Spec.	15 A. C.	0.35	180	21			-40.5	"C" Batt.	3 *9.8*	4000 *8000*		9
		41	1.00	Pwr. Output Pentode	6.3 A. C. D. C.	0.4	180	18.5	180	3	-13.5	627 2 Watt	150 *34.5*	9000 *81000*	1500	6.4
		42	1.10	Pwr. Output Pentode	6.3 A. C. D. C.	0.7	250	34	250	6.5	-16.5	407 4 Watt	220 *55*	7000 *100000*	3000	14.5
		43	1.10	AC-DC Pwr. Output Pentode	25 A. C. D. C.	0.3	100 135	20 34	100 135	4 7	-15 -20	625 488 3 Watt	90 80 *27*	4500 4000 *45000*	900 2000	13
		44 (39-44)	1.00	Vari-Mu or R. F. Det.	6.3 A. C. D. C.	0.3	90	5.6	90	1.6	- 3	417 ⅓ Watt	360 *40*	*375000*		2.5
		45	.80	Pwr. Output Triode	2.5 A. C.	1.5	250	34			-50	1470 3 Watt	3.5 *9*	3900 *1610*	1600	12.3
		46	1.10	Dual Grid Class "B"	2.5 A. C.	1.75	250	22			-33		5.6	6400	1250	9.9
							300	Class "B"						5800	20000	
		47	1.00	Pentode Output Same as PZ	2.5 A. C.	1.75	250	31	250	6	-16.5	446 4 Watt	150 *34.5*	7000 *60000*	2700	13.6
		48	2.60	AC-DC Pentode Output	30 A. C. D. C.	0.4	95	47	95	9	-20	357 4 Watt	28 *22*	2000 *10000*	1600	17.3
		48 RAI	4.50	Arcturus-Dia. T. Sonora Spec.	15 A. C.	0.35	90	4.5			- 4.5	"C" Batt.	10.9 *20.8*	18000 *9000*		6
		49	1.10	Dual-Grid Pwr. Output	2 D. C.	0.12	135	5.7			-20	3500	4.5	11000	170	1
							180	Class "B"						12000	3500	
		50	2.60	Extra Heavy Powr. Output	7.5 A. C.	1.25	400	55			-70	1275 10 Watt	3.8 *9.5*	3670 *1800*	3400	31.4
		51	1.00	Var. Mu R. F. (Substitute Type 35)	2.5 A. C.	1.75	180	6.3	90	2.5	- 3	410 Min. ½ Watt	305 *37*	*300000*		5.7
		52	1.70	Tetrode Class "B" (Substitute Type 89)	6.3 A. C. D. C.	0.3	100	42	Class "B" only as a Double Grid.							
		53	1.35	Twin Triode Class "B"	2.5 A. C.	2	300	Class "B"					*21.9*	10000	10000	

R.C.A. Radio Tube Manual

3F991—R.C.A. Cunningham Radiotron Tube Manual and 17x22 Tube Chart.

YOUR PRICE

20c

The Manual contains 154 pages of complete information covering all current types of Receiving Tubes;—31 pages with diagrams covering theory of tube operation and illustrations showing processes of manufacture;—109 pages covering current types of Receiver and Amplifier Tubes, giving technical details, specifications, installation and application information, characteristic charts and base layout diagrams;— 10 pages of circuit diagrams showing tube uses;—Complete index giving in detail various subjects covered. Size 6 by 9 inches. Finely printed on heavy paper. The 17x22 Chart has all technical details in compact form. Very convenient for hanging on wall of Service Shop for quick reference.

R.C.A. Cabinet Refinishing Kit

Every Serviceman Needs One

3F2071
YOUR PRICE

$2.90

R.C.A. has made up a kit of the essential materials used by their own cabinet refinishers and packed them in a folding leatherette case. All the necessary material for repairing scratched, dented, bruised and otherwise marred furniture are included. Deep scratches and cuts can be easily repaired.

Contents of Kit

1-can Refco Oil for cleaning; 1-can of Lubricant for rubbing; 1-can of Tripoli for an abrasive powder; 1-assortment of sandpaper; 1-assortment of stick shellac; 2-packages Aniline Stain powders; 1-touch-up brush; 1-spatula; 1-rubbing block; 1-instruction sheet. Packed in a durable 9½"x4½"x2¼" leatherette case.

R.C.A. Output Indicator

Model TMV-121A

For Use with Any Oscillator

3F2500—Complete with Neon Lamp.

YOUR PRICE ... **$4.00**

- **High Sensitivity**
- **No Burn-outs in normal Use**
- **Use it on any receiver**
- **Has three impedances**
- **Sturdy and foolproof**
- **Attractive bakelite case**

The R.C.A. Output Indicator is a small, compact, visual output indicator designed for use with an oscillator when aligning radio receivers. The instrument consists of a tapped step-up transformer, a potentiometer, a glow tube and three binding posts for connecting the output of the receivers to the transformer. Three input impedances are available, namely, 0.6 ohm, 1.5 ohms and 4 ohms, which cover practically all receivers manufactured. The neon lamp glows when a signal is impressed on the output indicator, showing variations in frequency and intensity. Attractive die-cast bakelite case. Size: 5⅜x2⅞x2⅜ inches.

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World Radio History

RAYTHEON 4-PILLAR TUBES

4-Pillar Construction

Raytheon 4-Pillar Construction is Superior. Raytheon 4-Pillar Tubes come to you exactly as they leave the laboratory. Four Strong Pillars keep the elements in place, maintaining the hairline accuracy with which they were assembled. Because of their unique construction, they will stay that way throughout their long life. Heavy vibrations caused by the Dynamic Speaker, knocks and bumps incident to store-handling—the slight mishaps that inpair and even ruin ordinary Tubes leave Raytheons unaffected.

Free Advertising Material

Many arresting window displays, window streamers, display stands, consumer leaflets, data charts, etc., are issued by Raytheon. If you can use this material please advise us when placing your order for Raytheons and we will place your name on the list to receive advertising material.

Nationally Advertised

It will never be necessary for you to "sell" a customer Raytheon 4-pillar Tubes—The millions of advertising dollars that have, and are, being spent to impress the public with this exclusive patented feature, have firmly established Raytheons in the minds of Set owners as the standard of quality by which other Tubes are judged. With such tremendous nation-wide publicity and universal public acceptance behind them, Raytheon 4-pillar Tubes will sell themselves.

Complete Selection

Raytheon 4-pillar Tubes are made in all types—including spray-shield—to fit any set. With this line you have a Tube for every customer—no lost sales.

6 Month Guarantee

Each Raytheon tube is fully guaranteed for 6 months, subject to the usual exceptions of burnouts and breakage.

Walnut Parts Cabinets

4J10435
YOUR PRICE **$1.95**

An attractive and convenient storage place for small radio repair parts such as resistors, condensers, bolts, nuts, washers, solder lugs, small coils, etc. Six drawers, each with three removable partitions. Securely fastened knobs. Has sufficient space to hold up to 500 1-Watt carbon resistors. Two or more cabinets may be placed side by side or on top of each other to make a chest of drawers of any desired storage capacity. Constructed of ¼" Genuine Walnut. **Will stand hard usage.** Tremendously useful and adds to the appearance of any service bench. Overall size 6⅝" wide, 8⅝" high, 5⅝" deep.

GLOBE Radio Batteries

Highest Quality materials and workmanship. **Extra heavy thick plate construction holds charge much longer** than ordinary batteries of similar capacities. **Longlived—Especially designed for 6 Volt Farm Radio Sets.** Sturdy leakproof one piece containers. Equipped with heavy bale handle. **F.O.B. Shipping Point Near You.**

6 Volt Batteries

90 Ampere Hours 12 Mo. guarantee	125 Ampere Hours 18 Mo. guarantee
3J15—	3J17—
Your Price.. **$4.90**	Your Price **$7.23**

150-175 Ampere Hours, 18 Months guarantee.
3J16—List Price, $17.25. YOUR PRICE **$9.95**

Type Num.	Stock Number	List Price	Your Price
00-A	3H781	$1.35	$0.68
01-A	3H782	.65	.33
OZ3	3H841	1.35	.68
1-V	3H783	1.00	.50
1A4	3J764	1.75	.88
1A6	3H765	1.35	.68
1B4/951	3J762	2.00	1.00
1B5/25S	3H808	1.35	.68
1C6	3H610	1.60	.80
2A3	3H766	1.35	.68
2A3-H	3H611	1.35	.68
2A5	3H767	1.10	.55
2A6	3H768	1.10	.55
2A7	3H769	1.35	.68
2B7	3H770	1.35	.68
5Z3	3H771	1.00	.50
6A3	3H815	1.35	.68
6A4/LA	3H772	1.35	.68
6A6	3H612	1.35	.68
6A7	3H773	1.35	.68
6B5	3H859	2.25	1.13
6B7	3H774	1.35	.68
6C6	3H775	1.10	.55
6D6	3H776	1.00	.50
6E5	3H889	1.60	.80
6E6	3H890	1.70	.85
6F7	3H777	1.60	.80
6Z4	3H833	1.35	.68
10	3H784	2.10	1.05
WD11	3H785	1.35	.68
WX12	3H786	1.35	.68
12A	3H787	.75	.38
12A5	3H778	2.10	1.05
12A7	3H613	2.20	1.11
12Z3	3H779	1.10	.55
15	3H872	2.00	1.00
19	3H788	1.10	.55
20	3H789	1.10	.55
22	3H790	1.35	.68
24A	3H791	1.00	.50
25Z5	3H780	1.10	.55
26	3H792	.65	.33
27	3H793	.75	.38
30	3H794	.75	.38
31	3H795	.75	.38
32	3H796	1.35	.68

Type Num.	Stock Number	List Price	Your Price
33	3H797	$1.10	$0.55
34	3H798	1.35	.68
35/51	3H799	1.00	.50
36	3H800	1.00	.50
37	3H801	.75	.38
38	3H802	1.00	.50
39/44	3H803	1.00	.50
40	3H804	.75	.38
41	3H805	1.00	.50
42	3H806	1.10	.55
43	3H807	1.10	.55
45	3H809	.75	.38
46	3H810	1.10	.55
47	3H811	1.00	.50
48	3H812	2.60	1.31
49	3H813	1.10	.55
50	3H814	2.60	1.31
52	3H816	1.70	.85
53	3H817	1.35	.68
55	3H818	1.10	.55
56	3H819	.75	.38
57	3H820	1.00	.50
58	3H821	1.00	.50
59	3H822	1.35	.68
71A	3H823	.75	.38
75	3H824	1.10	.55
76	3H825	.75	.38
77	3H826	1.10	.55
78	3H827	1.10	.55
79	3H828	1.35	.68
80	3H829	.65	.33
81	3H830	2.10	1.05
82	3H831	1.00	.50
83	3H614	1.00	.50
83V	3H832	1.60	.80
84	3H833	1.35	.68
85	3H834	1.10	.55
89	3H835	1.10	.55
V99	3H836	1.10	.55
X99	3H837	1.10	.55
950	3J761	2.20	1.10
951(1B4)	3H762	2.00	1.00
BA	3H838	7.50	3.77
BH	3H839	4.65	2.34
BR	3H840	2.75	1.38

Raytheon New Metal Tubes

5Z4	3J3045	$1.60	$0.89
6A8	3J3044	1.75	.98
6C5	3J3037	1.25	.70
6F5	3J3038	1.25	.70
6F6	3J3039	1.50	.84
6H6	3J3040	1.25	.70
6J7	3J3041	1.60	.89
6K7	3J3042	1.50	.84
6L7	3J3043	1.75	.98
6R7	3J3048	2.00	1.12
6X5	3J3049	1.75	.98
6Q7	3J3046	2.00	1.12
25A6	3J3050	1.75	.98
25Z6	3J3051	1.75	.98
0Z4	3J3047	1.75	.98

Buy Raytheon Tubes In Quantities

In lots of 25 or more there is an additional discount of 10% from prices specified on Glass, All-Metal and "G" type tubes.

Tube Stickers

Raytheon Tube Stickers Imprinted with Your Name

Your Price One roll 1000 Stickers **$1.00**

3F874
Rolls of 1000 Stickers with spaces for notations of "Date Sold"—"Date Tested"—Condition of tube and space for imprinting of dealers name. A good reminder for the consumer when he needs new tubes. Imprinted with 3 lines of copy. (Your Name, Address, and City or Phone Number). Imprinting requires 30 days delay.

Write Instructions plainly

3J873—Roll of 1000 Stickers without your imprint. . . . Free with order for Raytheon Tubes.

Dealer Price Cards

Shows prices for complete line. Also shows interchangeable tube types.
3F303—Free with order for Raytheon Tubes.

Technical Data Chart

3F305—Free with order for Raytheon Tubes.

Display Card

For counter or window display. Lithographed on a heavy cardboard in five attractive colors. Size: 19⅛" high and 11¼" wide. Card is fitted with an easel for standing on counter.

3F304—Free with order for Raytheon tubes.

RAYTHEON Octal Base Glass Tubes

Glass Tubes with Octal Bases

Identical in electrical characteristics and base connections to the new all-metal tubes, but with glass envelope. Interchangeable with all-metal tubes having corresponding type numbers.

Type Num.	Stock Number	List Price	Your Price
5Y3	3J3126	$1.00	$0.56
6A8-G	3J3127	1.60	.88
6C5-G	3J3128	1.10	.61
6F5-G	3J3129	1.10	.61
6F6-G	3J3130	1.30	.73
6H6-G	3J3131	1.10	.61
6J7-G	3J3132	1.40	.78
6K7-G	3J3133	1.30	.73
6L7-G	3J3134	1.60	.89
6Q7-G	3J3124	1.30	.73

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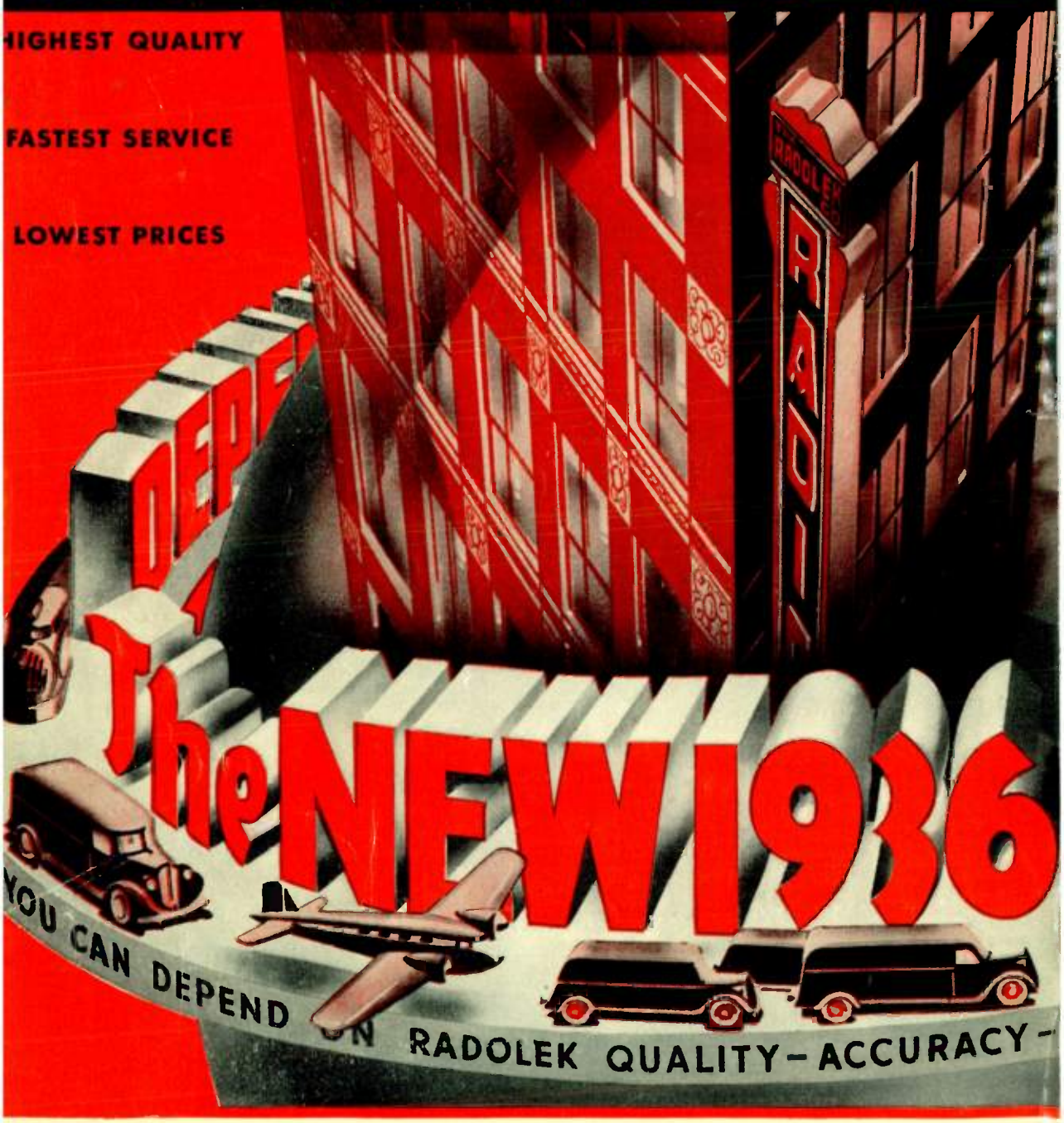
World Radio History

RADOLEK RADIO

HIGHEST QUALITY

FASTEST SERVICE

LOWEST PRICES



RADIO PROFIT GUIDE for DEALERS RADIO SERVICEMEN

RADOLEK CO

601 W. RANDOLPH ST. CHICAGO

World Radio History