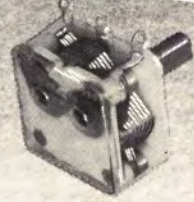


Philmore

10/60
Electronic
KITS
SETS
ACCESSORIES

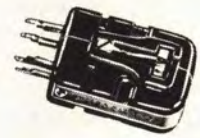


Our new Catalog, presented herewith, includes the latest and best in components and accessories for...

**ELECTRONICS and
HIGH FIDELITY EQUIPMENT**

Among which we list

- Four-Band Short Wave Communications Receivers
- Transmitter Kits
- Transistor Parts
- AC-DC Radio Kits
- Transistor Kits
- Microphones
- Amplifiers
- Stereo Components
- Crystal Sets
- Headphones
- Aerial Equipment
- and a full line of replacement parts



FOUR DECADES OF SERVICE

Philmore MANUFACTURING CO., INC. • RICHMOND HILL 18, NEW YORK, U.S.A.

PHILMORE COMMUNICATIONS RECEIVER KIT

PRECISION
ENGINEERED

MODEL
CR-5AC
IN CABINET



BUDGET
PRICED!

The new Philmore Communications Receiver Kit, Model CR-5AC is a professionally engineered, all-wave receiver designed to meet the demands and budgets of the amateur, novice ham, and short-wave listener who desires the features of a professional communications receiver without the high cost usually associated with such units.

The CR-5AC can be operated with or without the optional cabinet, and has been designed for use either on the bench or in a rack-panel installation. Some of the advanced features to be found in this kit are:

1. Highly sensitive, five-tube superhetrodyne circuit with individual, adjustable coils for each band.
2. Full-wave transformer-isolated design for safe, shock-proof operation.
3. Four band operation covering all frequencies up to 30 megacycles, and amateur bands from 10 to 160 meters. Band A covers the standard broadcast range from 550 to 1600 kilocycles; Band B the range of 1500 kilocycles to 4 megacycles; Band C from 4 megacycles to 10 megacycles; and Band D from 10 to 30 megacycles.
4. Full electrical bandspread on each band, with an 11 inch main tuning dial face for maximum tuning ease. The tuning dial is clearly marked for easy frequency spotting, and is of the linear, slide-rule type. The kit features a smooth, flywheel action tuning drive and non-slip knob placed for effortless tuning.
5. Front panel controls include a full range R.F. Gain control, incorporating an A.V.C. on-off switch; Function selector for phone or C.W. reception, with a stand-by position for use while transmitting; large, no-slip bandswitch knob; bandspread calibrated from 0 to 50 both sides; volume control with AC switch; front-mounted phone jack for earphone or external speaker; and a specially calibrated S-meter.
6. A built in S-meter, employing it's own driver tube, is integral with the main tuning dial. In this position it serves as a precise tuning indicator as well as a signal-strength meter. The instrument is easily calibrated by controls on the main chassis.
7. A built in B.F.O. with fully adjustable tone control for optimum CW reception.
8. Built in noise limiter for removing annoying squeals, howls and static.
9. Provisions for use with either singlet or doublet antenna for maximum range and reduction of local noise.
10. Input jack for external Q multiplier when desired.
11. Accessory power socket for operation Q multiplier or other auxiliary equipment.
12. Built in speaker with heavy magnet, fully protected and top-mounted so that receiver can be placed between additional gear.

TUBE COMPLIMENT - (1 each) 6X4 Rectifier; 6BE6 Converter and Oscillator; 6AZ8 IF Amplifier and "S" Meter Drive; 6AV6 Detector and Audio Amplifier; 6AQ5 Audio Power Amplifier.

Supplied complete with tubes and "S" meter.

MODEL CR-5AC KIT Complete, less cabinet..... Amateur Net ~~\$39.95~~ \$43.95

TAX PAID

OPTIONAL CABINET

A handsome accessory cabinet, made of heavy gauge steel, is available separately at a moderate cost. Finished in light grey wrinkle with a contrasting dark grey panel, its functional modern design features a glare-shielding hood and generous, easy to read control markings. Large, feather grey knobs with aluminum ring inserts and milled, non-slip gripping surfaces contribute to the professional appearance of a finished unit that will be an attractive addition to any den, bookshelf, or ham shack. Cabinet Size: 15 $\frac{1}{8}$ " Wide, 6 $\frac{1}{8}$ " High, 10" Deep.

MODEL CR CABINET..... Amateur Net \$7.95



MODEL
CR-5AC
CHASSIS



PHILMORE ALL-TRANSISTOR RADIO KIT

ANYONE can build it, following the simple step-by-step instructions included in each kit!

featuring
Specially Engineered
RF COIL



for
**VASTLY INCREASED
SENSITIVITY
& SELECTIVITY!**

New!
**IMPROVED
MODEL TR22A**

**COVERS
BROADCAST BAND
and
POLICE CALLS**

Two high quality Transistors and a Germanium Diode are employed in a NEW, IMPROVED circuit. Peaking coils have been eliminated and a specially designed RF coil is now used, for startling increase in sensitivity and selectivity. Additional filtering and circuit refinements now provide truly satisfying tone quality. You've got to HEAR it to believe it!

A handsome leatherette carrying case is supplied as optional equipment. It is equipped with an adjustable shoulder strap, and holds the portable radio snugly, with convenient cut-out for tuning.



- **COMPLETELY TRANSISTORIZED**—No tubes to burn out!
- **BUILT-IN LOOP ANTENNA COIL**, really brings in those stations! And no external aerial or ground are required!
- **4-INCH ALNICO PM LOUDSPEAKER** delivers amazingly clear tone even at full volume!

The superbly styled colorful cabinet is made of rugged, sturdy plastic, and measures only 7½" x 5" x 2½" overall with retractable handle. Weighs only 1 lb. 6 oz., with battery. Step-by-step Instructions and wiring diagrams are included.

Take it wherever you go—this powerful little radio will give you excellent reception over the entire broadcast band. It is powered by a single 9-volt "A" battery (RCA type No. VS300, Ray-O-Vac No. 1600, or equivalent) which will give long service because of extremely low current consumption.

Model TR22A (less Battery) wire and solder included List Price \$20.45
Plus Federal Excise Tax

Model TCC Carrying Case for above, Optional Equipment, List Price \$3.40

**A Superb Performer . . .
and it's EASY to BUILD!**



**"TEXON"
STITCHED
LEATHER
CABINET**

Philmore "Hit Parader" 4-TRANSISTOR SUPERHET PORTABLE RADIO KIT

Using the very latest improvements in advanced transistor circuit design, this outstanding radio receiver is easily assembled, following the clear and simple Philmore Step-by-Step Instructions — and when it's finished, it's a marvelous performer that's a delight to see and hear!

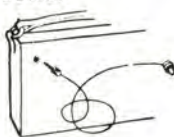
Here are some Hit Features of the "Hit Parader"

- **SUPERSELECTIVE**
4-Transistor superheterodyne circuit; plus diode, using transformer-coupled audio driver for powerful tone and clarity.
- **Large Size, Powerful 4-IN. PM LOUDSPEAKER** for maximum tone quality.
- **Built-in Ferrite LOOP ANTENNA** with extremely high "Q" — more than 100% gain over average used in radios today!
- **VERY ECONOMICAL**
battery current consumption — lowest drain of any comparable set by actual field tests.
- **TUNING RANGE 550 to 1650 KC**
- Long wearing, Good Looking. "Texon" Leather Cabinet With Convenient Carrying Handle

COMPACT:
Size: 7¾" x 5½" x 2¾"

LIGHTWEIGHT:
Weighs LESS THAN 2½ Lbs. with Battery.

**ADDITIONAL BONUS
FEATURE
FOR PRIVATE
LISTENING:**



Plug the Nipple Type Earphone into the jack on the back of the set, cutting out the loudspeaker, and you can listen in complete privacy!

Clear, precise, Step-By-Step instruction book furnished with this kit, assures the successful assembly of the set, as an easy and enjoyable project for even the novice with little experience!

Supplied with phone jack and Nipple type Earphone.
No. TR44 "Hit Parader" Kit, less battery.....List Price \$40.00
Plus Federal Excise Tax

Battery required:
ONE 9-Volt Transistor Battery, RCA Type VS300, or Ray-O-Vac type 1600, or Eveready type 226 or equivalent.



Philmore TRANSISTOR

BATTERY RADIO SET

Model TR-8

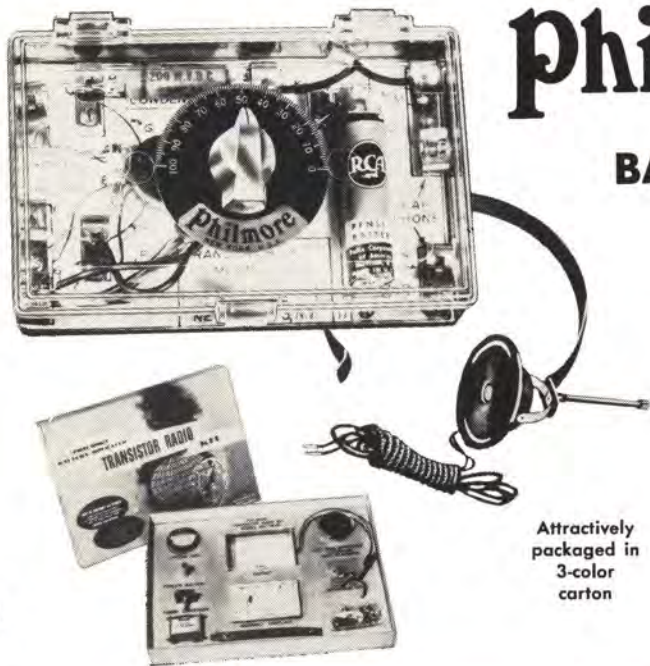
- WIRED—READY TO OPERATE
- AMAZINGLY CLEAR POWERFUL RECEPTION
- INCLUDES 1000-OHM EARPHONE with HEADBAND
- COMPLETE WITH ANTENNA WIRE GROUND WIRE and BATTERY
- WEIGHS 3 OZ. WITH BATTERY!

Packaged in Attractive 3-color carton

Fits in the palm of the hand, but works like a large radio set! This new midget miracle uses a TRANSISTOR and a diode, and is powered by a self-contained penlite battery.

Employing a multi-plate variable tuning condenser, this tiny radio brings in stations over the entire broadcast band. It will give years of inexpensive, trouble-free listening! Two-toned plastic case, only 3 5/8" wide x 3" high x 1 1/2" deep. Plug-in jacks accommodate latest type nipple earphone, which is included.

Model TR-8 List Price \$10.75
Plus Federal Excise Tax



Philmore TRANSISTOR

BATTERY RADIO KIT Model TR-9

A precision-designed radio receiver, supplied in kit form, including transparent plastic cabinet with hinged cover. Uses special high gain variable condenser and coil for maximum efficiency over entire broadcast band.

- NO SOLDERING REQUIRED
- PRINTED TEMPLATE FURNISHED Anyone can easily assemble this receiver, following simple instructions.
- USES TRANSISTOR and GERMANIUM DIODE
- SIZE OF CABINET: 5 3/8" x 3 3/4" x 1 1/4"
- WEIGHS 6 OZ. WITH BATTERY!

Attractively packaged in 3-color carton

Kit contains all components needed for complete assembly including transistor, germanium diode, penlite battery, antenna wire, ground wire, and 1000-ohm earphone with headband.

Model TR-9 List Price \$9.75
Plus Federal Excise Tax

Philmore TRANSISTOR BATTERY RADIO KIT

FEATURES

Supplied with an attractive, colored, molded Polystyrene Cabinet. Compact size 3 3/4" x 2 1/2" x 1 1/8". Weight of unit complete with Battery — 4 ounces.

Includes Germanium Diode Crystal Detector which requires no adjustment, together with a Transistor operated Audio Amplifier stage. Operates with only one — 1 1/2 Volt Penlite A Battery, Eveready type 915 or equivalent. The Battery fits inside the Cabinet—and because of the low current consumption—will give long service.

TUNING CIRCUIT

A High "Q" (efficiency) Litz wound coil is supplied which is tuned by a Variable Condenser for sharp tuning.

AERIAL

For general use, an outside Aerial and a Ground connection gives the best results. However, due to the greater sensitivity given by the Transistor stage, reception can often be obtained in many localities with a 25 to 50 foot length of Wire as an Aerial dropped outside a window or hung over the branch of a tree. (This is mostly the case when situated close to Broadcasting stations). In many such cases, a Ground connection may be dispensed with. A 25 foot hank of Antenna Wire is supplied.



TRANSISTOR

This is one of the latest developments in Radio and Electronics. It replaces the conventional Radio Tube, giving high amplification with the use of very low Battery power consumption. It does away with the heavy Batteries required for Radio tube use.

PHONES

A single 1000-ohm Phone with Headband, is supplied.

Model TR-101 (Less Battery) List Price \$9.75
Plus Federal Excise Tax

Philmore

5-TUBE AC-DC RADIO KITS 1-BAND and 2-BAND MODELS



Sturdy Walnut
Bakelite Cabinets

MASTERPIECE IN BEAUTIFUL STYLING!

Enjoy the thrill of building your own set,
which will bring in beautiful, clear recep-
tion with remarkable fidelity and volume.

Latest model compact high fidelity quality radio receivers, we designed, and easily assembled. Schematic, pictorial, and step-by-step instructions for easy assembly are included with each Kit. Anyone who can handle a screw driver and a soldering iron can build these 5-Tube AC-DC Receivers.

Supplied complete with attractive Walnut Bakelite Cabinet, built-in Iron Core Loop Antenna Coil, and the following tubes: 12SA7GT, 12SK7GT, 12SQ7GT, 50L6GT and 35Z5GT. Altogether, when assembled this Kit finishes into a complete little masterpiece!

Features of All Kits:

- True Superheterodyne Circuit
- 5 Tubes including rectifier
- Extreme Sensitivity and Selectivity
- Powerful Alnico 5 PM Speaker
- Built-In Iron Core Loop Antenna Coil
- 2 I.F. Transformers
- Large Illuminated Airplane Dial
- Single Band covers: 550 Kc. to 1600 Kc.
- 2 Band covers: 550 Kc. to 1600 Kc., and 5.5 Mc. to 16 Mc.
- Dimensions 9 1/2" x 5 1/2" x 5 1/2".

MODEL NO.

LIST PRICE

201—Single Band AC/DC.....	\$34.00 ea.
202—2 Band AC/DC.....	39.00 ea.

Plus Federal Excise Tax

TWO TUBE (Including Rectifier Tube) AC-DC RADIO KIT

Philmore radio kits have been designed purposely for easy construction and still use the most efficient types of circuits. Kits are replicas of parts and circuits used and thoroughly tested in master models and standardized. This permits anyone without previous knowledge or skill to obtain excellent results by following the simple instructions and diagrams. Gray hammertone finish panel and silk-screened dials.

Supplied with punched and formed chassis —

No. 7001B—

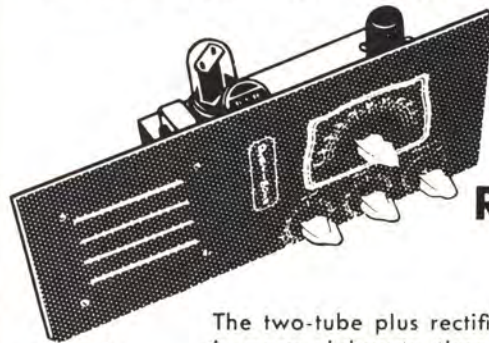
Complete, less tubes and headset.List Price **\$12.50**

Plus Federal Excise Tax

Uses 1 each 35Z5GT and 12SJ7 Tubes.



THREE TUBE (Including Rectifier Tube) AC-DC RADIO KIT



AC-DC RADIO KIT

The two-tube plus rectifier tube receiver kit is more elaborate than the one-tube and much greater in signal strength—permitting use of a 4" P.M. speaker.

Simple instructions with pictorial as well as schematic diagrams make assembly simple and quick. Supplied with punched and formed chassis — Gray hammertone finish and silk-screened dials.

Here is a completely professional-type radio kit that is perfect for the beginner in radio.

An excellent opportunity to learn the fundamentals of radio and at the same time build a radio that will be a high-quality unit, superior in tone and selectivity to many manufactured radios.

Completely assembled, you have a TWO-BAND set, covering standard broadcast (550-1700 Kc) and SHORT WAVE (6-18 Mc).

Cat. No. 7001C—Complete with Speaker, less tubes..... **\$20.00**

Uses 1 each 35Z5GT, 50L6GT and 12SJ7 Tubes.

List Price

Plus Federal Excise Tax



Each Kit is attractively packaged in sturdy box.

SKY ROVER KIT



Anyone can quickly assemble the Sky Rover Radio Kit and be rewarded by hours of fun and fascination.

- Bakelite Cabinet for beauty and long lasting use
- Supersensitive Crystal for clarity and volume
- Precision wound Tuning Coil
- Single crystal high impedance earphone with plastic ear holder.

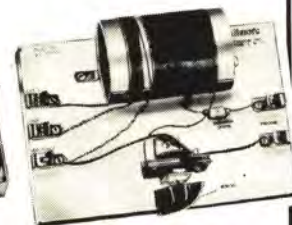
More than just an ordinary "toy", when assembled according to easy-to-follow step by step instructions, the Sky Rover Radio Kit actually brings in loud, clear reception. There are no batteries, no electricity, no cost for operation. The long life of the Sky Rover makes it an ideal gift. A good investment, it pays dividends in entertainment and education that will increase with its many years of service. Cat. No. 400 List Price \$4.15

Includes antenna lead-in wire and necessary hardware.

Plus Federal Excise Tax

GLOBE RANGER KIT

Using GERMANIUM DIODE



Globe Ranger is the Kit of Kits, a combination of the high-quality features of the finest radio receivers combined with ease of assembly and operation. Anyone is sure to be impressed by the many exclusive Philmore features—

- Variable Tuning Condenser for accurate station selectivity
 - Plywood base with pictorial layout for mounting each part in its proper place
 - Newest type Germanium Diode Crystal, permanently fixed to supply constant volume.
 - High "Q" Factory-Wound and Tapped Coil for higher efficiency in tuning
 - Single crystal high impedance earphone with plastic ear holder.
- Perfectly safe, it uses no batteries, no electricity, no parts to wear out. With loud, clear reception of stations, Globe Ranger provides an excellent way to stimulate the "do-it-yourself" enthusiast.

Cat. No. 700 List Price \$7.25

Includes complete antenna accessories and necessary hardware.

Plus Federal Excise Tax

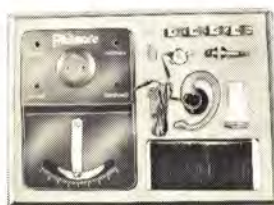
PHILMORE "SUPERTONE" CRYSTAL RADIO RECEIVER KIT

Complete in every detail for quick and simple assembly. Crystal set kits are a great hit with youngsters and adults the world over.

Kits consist of moulded bakelite base with contact slider, crystal holder; crystal detector and cover, cats-whisker support, spring cats-whisker, ready wound tuning coil, Fahnestock clips, includes single crystal high impedance earphone, complete with plastic ear holder, plus all necessary hardware and "easy-to-follow" instructions.

Cat. No. 7001A List Price \$4.90

Plus Federal Excise Tax



PHILMORE "SELECTIVE"

GERMANIUM DIODE RADIO RECEIVER KIT

This kit follows the general design of Crystal Sets pioneered by Philmore many years ago, but with up-to-date improvements. It features Variable Capacity Tuning and a High "Q" Coil, tapped at a critical point, for connection to a Germanium Crystal, which is permanently fixed.

The tapping is at a point which effectively reduces the loading or damping of the coil circuit of the crystal. At this point, the volume and selectivity are at their best values.

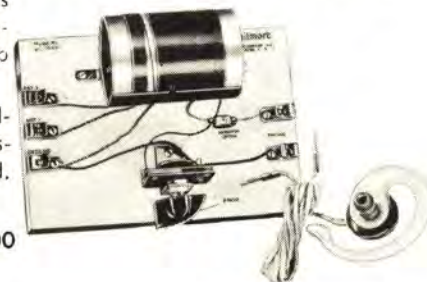
The assembly is simple, and an operating set can be made in a very short time. The parts mount on a 3/8" thick plywood baseboard, which is included. A pictorial diagram is furnished in gummed label form, to be placed on the surface of the baseboard and used as a template, showing the location of the parts and all connections. Supplied with step-by-step instructions.

Single crystal high impedance earphone, with plastic ear holder, is included.

Cat. No. VC-1000 —

List Price \$5.00

Plus Federal Excise Tax





New Economy Model

"LITTLE WONDER" CRYSTAL RADIO RECEIVER KIT

An outstanding performer, despite its compact size. Kit consists of moulded bakelite case with contact slider, crystal holder, detector, ready-wound tuning coil, Fahnestock clips, and all necessary hardware for complete assembly, including step-by-step instructions. Supplied less earphone and aerial wire.

Cat. No. 7000K.....List Price \$2.00

Plus Federal Excise Tax



sensitive.

Cat. No. 7000.....

"Little Wonder" RADIO RECEIVING SET

Compact in size but big in results. The open type detector permits adjustments to be made to the finest degree. This set includes the Philmore Super-sensitive Crystal which assures quick results when "looking" for a station, because the entire surface of the crystal is

.....List Price \$1.75
Plus Federal Excise Tax

SOME OUTSTANDING FEATURES of "Little Wonder" and "Supertone" RADIO SETS

- Plastic enclosed dust-proof detector, which is adjustable. (Supertone)
- Specially designed hook-up assuring reception within a radius of twenty-five (25) miles from a broadcasting station.
- Under favorable climatic conditions reception may be received as far as one hundred (100) miles from broadcasting station.
- Costs nothing for upkeep.
- No batteries, tubes or expensive accessories required.
- Manufactured in Genuine BAKELITE. The advantages of bakelite are well-known for its beauty and cleanliness. It will retain its color and can be kept clean for the life of the set which is practically infinite.



"Supertone" RADIO RECEIVING SET

A remarkable Radio Receiving Set built to give everlasting service. This set will bring in broadcasting loud and clear without distortion or noises. The Supertone Crystal Set is

equipped with a Philmore Super-sensitive Crystal which will give excellent results over an indefinite period of time.

Cat. No. 7001.....

.....List Price \$2.25
Plus Federal Excise Tax



SKY ROVER OUTFIT



The Sky Rover Radio Outfit gives its lucky owner all the same fine features as the Sky Rover Radio Kit, with an added plus of pleasure; it is ready for immediate enjoyment. Sharp reception is made possible by such Philmore features as—

- Crystal Detector of the open type for ease of adjustments to the finest degree
- Bakelite cabinet for durability
- Single crystal high impedance earphone with plastic ear holder.

The Sky Rover Outfit comes completely assembled with all necessary equipment—no other accessories are needed. It costs nothing for upkeep and will be a continual source of pleasure and education for the long-lasting life of the set.

Cat. No. 498.....List Price \$6.00

Plus Federal Excise Tax

SPACE PATROL KIT



The Space Patrol Radio Kit is an outstanding value, sure to provide many absorbing hours of pleasure for any youngster. Famous Philmore features make it easy to assemble and operate—

- Metal Strip Connectors for simple assembly eliminate wiring and soldering
- Positive Detector Action gives stable volume
- Brass Slider for steady contact, clear reception
- A Pictorial Layout showing where each part is to be mounted
- Single Crystal High Impedance Earphone with Plastic Earholder.

Space Patrol gives the individual the pride and thrill of hearing his favorite programs over a set he actually assembled himself.

Cat. No. 7500.....List Price \$4.00

Includes antenna lead-in wire and necessary hardware.

Plus Federal Excise Tax



RADIO CADET

CRYSTAL RECEIVING SET



The most advanced set of all, Radio Cadet comes completely assembled (including all necessary equipment) to provide immediate entertainment plus education. Its many additional features include—

- Cabinet of colorful Polystyrene
- Enclosed Crystal Detector with contact arm on swivel for quick, accurate adjustment on any point of crystal
- Single Bakelite Knob makes tuning easy and gives maximum selectivity
- Double Headphones, 4000 ohm High Impedance, extra-sensitive with double the pulling strength
- Plug-in Connections for maximum convenience
- 2 Aerial Connections for choice of selectivity

All these exceptional features add up to thrilling, professional results. Really a super crystal set, Radio Cadet gives sharp, clear reception and provides one of the best ways to learn about the wonders of radio while enjoying all the favorite programs.

Cat. No. 698List Price \$9.00
Plus Federal Excise Tax

PHONO OSCILLATOR



Completely
Wired

PLUGS
INTO
AC or DC
OUTLET

PLAYS THROUGH ANY BROADCAST
RADIO WITHOUT WIRE CONNECTIONS!

Actually a low-powered Transmitter, this unit, when connected to the output from a record player pickup, enables music or speech to be transmitted to and received by any number of radio sets in the house, without any wire connections. Supplied with phono pickup input jacks and on-off slide switch.

An automatic record changer can be stacked with a number of selected recordings and you can sit in any room and receive the program without having to remain beside the record player or move the record player about.

The operation is extremely simple: Plug the oscillator into the AC or DC outlet. Set receiver dial at some point between 1000 and 1500 Kc where no station is heard. Then, with a record playing into the phono oscillator, tune the oscillator slowly until the sound is picked up by the receiver. After that, no further adjustment is needed. Small and compact, this phono oscillator can be secured permanently to the record player. Oscillator employs one 12AX7 type tube.

Model No. PA49 (less tube)List Price \$9.25

PHILMORE 3 TUBE AC-DC PHONO AMPLIFIER



This Compact Unit is furnished Completely Assembled, and was designed to fit inside Turntable Cabinets. The Volume and Tone

Controls are close together in order to fit readily alongside the turntable. Average output is 2 watts.

Tube Complement is 1-12AV6, 1-50C5, and 1-35W4 Rectifier. The volume control is shunted with 220,000 ohms which, in effect, is directly across the pickup. In some cases, this may be reduced to 50,000 ohms with advantage. The tone control is variable and even in action.

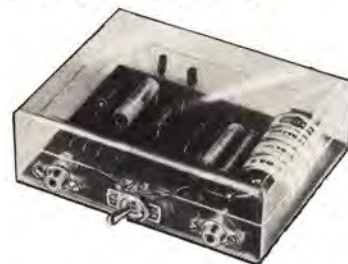
External connections are shown in dotted lines on the wiring diagram supplied with each unit.

Supplied less tubes.

110 Volt 60 cycle AC or 110 Volt DC.

Model PA-59List Price \$6.75

TRANSISTORIZED PRE-AMPLIFIER KIT WITH PRINTED CIRCUIT



MODEL
PAK-1

For all Variable Reluctance Pickups, such as G.E., Pickering etc., through any amplifier.

This two stage pre-amplifier is especially designed to overcome disadvantages of tube pre-amplifiers. It practically eliminates all noise and hiss level, hum and microphonics usually associated with tube pre-amplifiers, and has higher output with lower distortion.

The frequency response is automatically compensated to conform with the standardized RIAA Curve. The frequency range is 20-20000 CPS.

The printed circuit board is pre-punched and silk screened on the reverse side for easy assembly of parts.

The Kit is furnished with all necessary components, including 2 transistors, easy to assemble printed circuit board, clear plastic cabinet and easy to follow step-by-step instructions. The plastic cabinet measurements are 4 1/8" long x 3 1/2" wide x 1 1/2" high.

Battery required: 1-9 volt battery such as Ray-O-Vac type No. 1600, Burgess No. P6, Eveready No. 226 or equivalent. Delivers 2 volts output. Total current consumption is negligible, only 1 1/2 milliamperes.

Model PAK-1 — (Less Battery)List Price \$9.75

Philmore NOVICE TRANSMITTER

and POWER SUPPLY KIT, including KEY

Philmore Novice Transmitter and Power Supply Kits were specially designed to provide ease of assembly, ease of operation, simple tuning and simple antenna system.

POWER INPUT 25 WATTS 3-BAND OPERATION

3.7 to 3.75 Mc

7.175 to 7.2 Mc

21.10 to 21.25 Mc

15, 40 and 80 METERS



**LOW COST
ECONOMY KITS**

Easy to Assemble — Easy to Operate

Features include:

- **UNTUNED PIERCE TYPE CRYSTAL OSCILLATOR**

Oscillates freely with any type of crystal. Uses 1—6V6 Tube.

- **PHILMORE PICTORIAL DIAGRAMS**

Specially planned, really fool proof pictorial wiring diagrams.

- Complete testing and operating instructions provided, together with instructions for winding coils. Low Loss Plug-in Coil Forms with Holes Drilled for Winding. Wire also included.

- **TUNED OUTPUT AMPLIFIER**

With Pi Type Tuning System. Uses 1 — 6L6 Tube. Works with simple single wire antenna. No meters required, for tuning and loading the antenna.

- **TRANSMITTER TYPE TUNING CONDENSERS**

- **SUPPLIED WITH TUBES and STANDARD KEY**

Hook-Up Wire, Solder and Crystals not supplied.

- **POWER SUPPLY**

Power transformer, choke, and rectifier tube type 5Y3.

Output under load 370 volts DC @ 100 Ma. Trouble-free type, useful for any power supply purpose.

After the Amateur has made full use of the Novice Transmitter and Power Pack under the 12 month allotted period, he can qualify for a general class Amateur license, which allows broader operating power and frequencies. For this purpose the Philmore Power Pack is adaptable for any of the following:

RECEIVERS
AUDIO AMPLIFIERS
INSTRUMENTS, etc.

Model NT-200.....Amateur Net Price \$29.40

CODE PRACTICE TELEGRAPH SET

This is a compact, sturdy unit, ideal for beginners learning to transmit and receive code. It employs a high grade Sig. Corps type key having all adjustments for touch tension and depth to suit any operator's requirements. The buzzer is easily adjusted to supply various pleasing tones.



The entire unit is assembled on a plywood base, and clasp holders are provided for two flashlight cells to supply operating voltage of 3 volts. Ordinary 1 1/2 Volt Flashlight cells are used.

This set can be used singly, for individual sending and receiving practice. Or, two complete units, connected over a distance by a 3-wire cable, can be used for two-way telegraphic communication. Each unit is supplied with complete instructions and hookup diagrams.

The fine quality key can also be used, if required, to operate any ordinary Amateur transmitter, when the student is sufficiently capable of obtaining a Novice transmitter license.

Model 750 (Less Batteries) List Price \$5.00

No. HF203 Buzzer Only(See page 19 for Price & Description)

CODE PRACTICE OSCILLATOR

Model No. CO-205 — Wired.

Model No. CO-206 — Kit.

Unit is contained in a compact metal case 4" x 4" x 2" with an attractive Gray Hammertone finish. Features a two-piece case which offers complete and easy accessibility to the entire circuit.

A single miniature tube either 12AX7 or 12AT7 can be used. The Tube has two separate sections, each a complete triode unit — one section acts as a rectifier supplying necessary operating voltage while other section acts as the Audio Oscillator in conjunction with a high grade audio transformer.

Circuit is simple, reliable and economical.

Circuit is completely isolated from case, insuring safety to user and preventing line fuse blowouts.

Key is also connected to a low voltage point giving additional safety to the operator.

As supplied, the pitch of tone is fixed but pitch can be varied by simply changing value of one resistor in the keying circuit. Variable pitch can also be obtained by the addition of a 10,000 ohm variable resistor to the circuit as shown in the diagrams.

Case is supplied with necessary hole punched to mount the variable resistor.

Designed for operation with Earphones.

Available in two models, wired or in kit form.

Both models supplied less tube, phone and key. Operates on 110 Volt AC/DC 60 cycles.

Model No.	List Price
CO-205 — Wired	\$12.50 ea.
CO-206 — Kit	8.50 ea.

PHILMORE AERIAL KIT



A complete kit of parts for assembly of a professional antenna. Attractively packaged in a multi-colored display box.

- 1 coil 50 ft. stranded aerial wire.
- 1 coil 25 ft. lead-in wire.
- 1 Ground Clamp.
- 1 Lead-in-strip.
- 2 Porcelain insulators.
- 2 Nail-it knobs.
- 1 Instruction sheet.

Cat. No. 2103.....List Price \$1.65

Open Type CRYSTAL DETECTOR



Universal joint on swivel arm provides quick, accurate adjustment on any point of crystal. Completely assembled. Includes crystal.

Cat. No. 7003.....List Price \$.55

Fixed CRYSTAL DETECTOR



Will give renewed action to reflex or crystal sets. Sensitivity is determined by laboratory methods and fixed permanently. Enclosed in a bakelite case.

Cat. No. 7002.....List Price \$1.20

Plastic Enclosed CRYSTAL DETECTOR



Ideal for Crystal Reflex circuits. Dust-proof. Fixed at factory but delicately adjustable at all times. Includes Super-sensitive Crystal.

Cat. No. 7008.....List Price \$.90

METER TESTED CRYSTAL



Laboratory tested. Mounted Galena Crystal.

Cat. No.	List Price	Cat. No.	List Price
7004 Galena Crystal Indiv. box	\$.25	7005 Galena Crystal 1 to Display Card	\$.20

CAT'S WHISKERS



Set of two on a display card.

Cat. No. 7006—Set of 2.....List Price \$.20

Unmounted CRYSTAL DETECTOR



Includes stand, crystal cup, arm with cats-whisker and screws and nuts necessary for mounting. Less crystal.

Cat. No. 7010.....List Price \$.25

Junior MICROPHONE CARBON TYPE



For home broadcasting; will operate efficiently from any radio set. It will help turn any dull house party into hilarious, enjoyable entertainment.

Equipped with push button switch for cutting off radio programs and bringing in the home broadcaster's voice very clearly. Sensitive, with excellent volume, and is shock-proof. Easily attached to any set without rewiring and can remain attached without interfering with regular broadcasting. Supplied in gray hammertone finish.

Cat. No. 500.....List Price \$2.50

HAND MICROPHONE CARBON TYPE



Ideal novelty for home parties. Cut in on broadcasts and permits person to talk or sing through the radio speaker. Button switch cuts mike in and out of broadcast. Simple to install. Equipped with 9 ft. cord. Furnished in gray hammertone finish. Completely shock-proof.

Cat. No. 500H.....List Price \$3.25

PHILMORE DOUBLE HEADPHONES



Accurately matched headphone set. Each unit consists of "double high flux" magnets. Ruggedly constructed of lightweight metal — with highly polished bakelite ear caps. Concealed terminal type. Equipped with plastic covered adjustable headband and cord 4 1/2 feet long. 2000 ohm Impedance.

Cat. No. 2260.....List Price \$5.25

PHILMORE SINGLE HEADPHONE



The Single phone is the same construction as the double phone shown above, with the exception that the head band is of spring steel. 1000 ohm Impedance.

Cat. No. 2261.....List Price \$2.75

BRANDES "SUPERIOR" HEADPHONE Matched Tone



A rugged headset, millions of which are in use all over the world. Large size diaphragms of 2 1/8" diameter assure efficient performance. Outside terminals, with polished aluminum cases and bakelite caps. Double coils, two in each receiver. Chrome steel magnets. Steel headband with permanent adjustment. 4 1/2 ft. cotton covered cord. 2000 ohm Impedance.

No. 2262.....List Price \$5.75

RUBBER EAR CUSHIONS



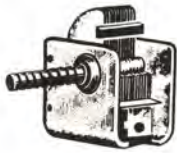
These molded rubber ear cushions feature a molded-in-air chamber for maximum wearing comfort. A rubber compound is used for resistance to skin secretions and cosmetics such as hair oils, etc.

These ear cushions are designed to fit all standard size headsets. Sets of two.

No. 2266.....List \$1.50 per pair

VARIABLE CONDENSERS

1—GANG 365 MMFD.



Shaft length $1\frac{1}{2}$ " x $\frac{1}{4}$ " dia. Aluminum rotor and stator plates firmly staked. Lo-loss bakelite insulation. Improved ball bearing. Height $1\frac{1}{2}$ " x depth $1\frac{5}{16}$ " x width $1\frac{3}{8}$ ". Counter-clockwise rotation. Compact size.

Shaft is notched at $\frac{1}{8}$ " intervals, for easy shortening to desired length.
No. 1945QList Price \$1.95

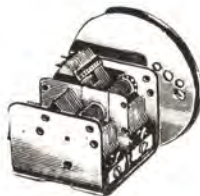
1—GANG 420 MMFD.

Similar to above. Shaft length $\frac{1}{2}$ " x $\frac{1}{4}$ " dia.
No. 1945TList Price \$1.95

1—GANG 140 MMFD.

Similar to above. Shaft length $\frac{1}{2}$ " x $\frac{1}{4}$ " dia.
No. 1945VList Price \$1.95

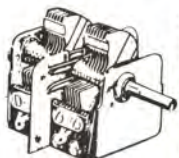
2—GANG 420/162 MMFD.



Superheterodyne, with trimmers, compact size. Standard curve. Ball-bearing. Lo-loss insulation. firmly staked, aluminum rotor and stator plates. Height $1\frac{5}{8}$ " x depth $2\frac{1}{4}$ " x width $1\frac{3}{8}$ ". With $2\frac{1}{4}$ " Dial Pulley. Clockwise rotation.

No. 9045List Price \$2.75

2—GANG 420/420 MMFD.



T.R.F. COMPACT SIZE Standard curve. Ball bearing. Lo-loss insulation. Firmly staked aluminum rotor and stator plates. Height $1\frac{3}{8}$ " x depth $2\frac{1}{4}$ " x width $1\frac{3}{8}$ ". Counter-clockwise rotation. Complete with trimmers. Shaft length 1 " x $\frac{1}{4}$ " diameter.

No. 9046List Price \$2.75

SUB-MINIATURE I.F. TRANSFORMERS



Set of Input and Output, 455 KC. Iron Core. Designed for miniature receivers. Size of can $\frac{1}{2}$ " Square x $1\frac{1}{2}$ " long.
No. BI-392 — Set of Two.
.....List Price \$2.60



TRIMMER CONDENSERS ISOLANTITE

Low-loss ceramic dielectric base. Soldering lugs can be adjusted in any position, without affecting capacity. Plates of sturdy construction. Specially treated for resistance to humidity.

No.	Value	Material	Type	Price
1640	3-35	Mmfd	Single Trimmer	\$.50
1672A	10-150	Mmfd	Single Trimmer	50
1673A	25-280	Mmfd	Single Trimmer	50
1674C	100-500	Mmfd	Single Trimmer	.50
1675C	500-1000	Mmfd	Single Trimmer	.70



ANTENNA-RF COILS

Set of two coils, one antenna, one RF, Litzwound. 540-1650 Kc. for use with 365 Mmfd. or 410 Mmfd. variable condenser. Dimensions, Antenna Coil: $1\frac{1}{2}$ " long x $\frac{5}{8}$ " dia.; RF Coil $1\frac{3}{4}$ " long x $\frac{5}{8}$ " dia.
No. 1902—Per set.....List Price \$1.75



ANTENNA COILS, Litzwound. 540-1650 Kc. for use with 365 Mmfd. or 410 Mmfd. variable condenser. $1\frac{1}{2}$ " long x $\frac{5}{8}$ " dia.
No. 1903.....List Price \$.90

OSCILLATOR COILS



6SA7 or 12SA7 type, for 455 Kc IF, BC Band. Electron coupled, suitable for replacement and new set construction. Carefully designed to oscillate uniformly over the entire range.

Dimensions: $1\frac{1}{8}$ " long x $\frac{1}{2}$ " dia.
No. 1915List Price \$.55
6A7 type, for 455 Kc IF, BC Band. Tunes with 365 Mmfd. condenser. Similar to above.
No. 1915AList Price \$.55

MIDGET I. F. TRANSFORMERS



455 Kc. set of input and output I.F. transformers. Designed for small Portable Battery Sets and AC-DC Receivers. Iron Core. Double tuned. $\frac{3}{4}$ " square can x $1\frac{1}{8}$ " long. Supplied with spring clip for mounting to the chassis.

No. 1909C—Per set of two. List Price \$2.35
262 Kc. Set of input and output I.F. Trans. similar to above. Designed for Automobile Radios.
No. 1909K—Per set of two.... List Price \$2.50
No. 1910A—Metal Mounting Plates for 1909C and 1909K Per set of two....List Price \$ 1.11

STANDARD I.F. TRANSFORMERS



Sets of Input and Output I.F. Transformers. 455 Kc. For general replacement and new set construction. Suitable for all receivers. Double tuned with low-loss steatite base trimmers. Shield can $1\frac{1}{4}$ " x $1\frac{1}{4}$ " x $2\frac{1}{2}$ " long. Supplied with four RTMA Color Coded Leads. Litzwound.

No. 1909A—Per set of two. List Price \$3.35



2.5 MILHENRY CHOKE

4 piwound sections on moulded form, long pigtail leads. Used in transmitters, receivers, test equipment, etc. Dimensions 1 " long x $\frac{1}{2}$ " dia.
No. K327List Price \$.65

ANTENNA LOOPS



For Midget sets, Portables. Eliminates outdoor or indoor antenna. Easily assembled. Wound on fibre form. 215-220 Microhenries, $4\frac{1}{4}$ " x 7 ".

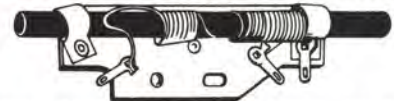
No. 1914AList Price \$.95
Similar to above, but larger: 6 " x $8\frac{1}{2}$ ".
No. 1914BList Price \$1.05



LOOP ANTENNA COIL

Replaces antenna loop. Improves reception remarkably! Omni-directional, average Q-250. Simple to install for permanent use. Sensitive, efficient, small in size. Dimensions: 2 " long x $5\frac{1}{16}$ " dia.
No. R841List Price \$.95

LARGE ANTENNA LOOP COIL



Large Antenna Loop Coil—Covers standard broadcast band. Dimensions: $5\frac{1}{4}$ " x $\frac{3}{8}$ " diameter. Mounted on Fibre Form.
No. P5078.....List Price \$1.15

MIDGET I.F. TRANSFORMERS



455KC. set of input and output I.F. transformers. Designed for small portable sets, and transistorized circuits. Exceptional high gain, iron core, double tuned. $3\frac{1}{4}$ " square can x $1\frac{1}{8}$ " high. Supplied with spring clip for mounting to chassis. Available with 5 lug and 6 lug terminal connections.

No. 1909C-5 Set of Input and output—5 Lugs.....List \$2.50 per set
No. 1909C-6 Set of Input and output—6 Lugs.....List \$2.65 per set

MINIATURE TRANSISTOR I.F. TRANSFORMERS



Input and output I.F. Transformers 455KC. These transformers have been especially designed for transistor circuits and will perform as well or better than other types costing many times more. They feature high gain and selectivity. The input transformer has a high impedance tapped primary, and a low impedance secondary to match a transistor collector output to base input. The output transformer also has a high impedance tapped to match a transistor collector to a diode load. A typical circuit is included with each transformer. $3\frac{1}{4}$ " square can x $1\frac{1}{8}$ " high. Supplied with spring clip for mounting to chassis.

No. TR417 Input or Interstage Transformer List \$1.50 ea.
No. TR418 Output Transformer List \$1.50 ea.

MIDGET I.F. TRANSFORMERS



For printed circuit applications. 4 lug, 455 KC set of input and output I.F. Transformers. Designed for small portable battery sets and AC/DC Receivers. Iron core, double tuned. $3\frac{1}{4}$ " square can x $1\frac{1}{8}$ " long. Clips into $1\frac{1}{8}$ " holes spaced $3\frac{1}{4}$ " apart—set of two.

No. 1909P4.....List Price \$2.50 ea.

TOGGLE SWITCHES



Manufactured by H. & H. for Philmore. Ball handle. Rated at 3 Amps, 125 Volts, 1 Amp, 250 Volts. Laminated insulation. Serves many uses. Furnished nickel-plated with two mounting nuts. UL Approved.

No.	Description	List Price
2205	SPST 15/32" Shank	1.10
2207	SPST 1" Shank	1.45
2208	SPDT 15/32" Shank	1.45
2210	SPDT 1" Shank	1.75
2211	DPST 15/32" Shank	2.10
2213	DPST 1" Shank	2.40
2214	DPDT 15/32" Shank	2.40
2216	DPDT 1" Shank	2.70

TOGGLE SWITCHES



Bat Handle

Manufactured by H. & H. for Philmore. Rated at 3 Amps, 125 Volts, 1 Amp,

250 Volts. Laminated insulation. Serves many uses. Furnished nickel-plated, with two mounting nuts. UL Approved.

No.	Description	List Price
2206	SPST 15/32" Shank	1.10
2209	SPDT 15/32" Shank	1.45
2212	DPST 15/32" Shank	2.10
2215	DPDT 15/32" Shank	2.40

DPDT TOGGLE SWITCH

With Neutral Center



Manufactured by H. & H. for Philmore. UL Approved. Bat handle, molded bakelite case.

3/8" shank, rated 3 amps, 250 volts, 6 amps, 125 volts. Supplied with two mounting nuts.

No. 8202 List Price 3.45

PUSHBUTTON SWITCHES

Momentary Contact



Manufactured by H. & H. for Philmore. UL Approved. Laminated insulation. 1/16" shank, supplied with two mounting nuts.

No.	Description	List Price
2231	SPST Push to Make 1 Amp, 125 V. A.C.	1.25
2232	SPST Push to Break 1 Amp, 125 V. A.C.	1.25
2233	SP Two Circuit, Push to make and break 1 Amp, 125 V. A.C.	1.60
2235	DPST Push to Make 1 Amp, 250 V., 3 Amp, 125 V.	3.10
2236	DPDT Push to Make 1 Amp, 250 V., 3 Amps, 125 V.	3.40

ROTARY SWITCHES



Manufactured by H. & H. for Philmore. Rated 3 Amps 125 Volts. Overall shaft length 1 1/2". Thread-

ed shank 3/8" dia. x 3/8" long. UL Approved. Supplied with mounting nut.

No. 2247	SPST	List Price 1.45
No. 2248	SPDT	List Price 1.75
No. 2249	DPST	List Price 2.40
No. 2250	DPDT	List Price 2.70

ON-OFF PLATES



For toggle switches. Bronze or nickel-plated.

No. 2217 List Price \$6.50 C.

SPST HEAVY DUTY TOGGLE SWITCH



Manufactured by H. & H. for Philmore. UL Approved. Ball handle, molded bakelite case. 1/2" shank, rated 5 amps, 250 volts, 10 amps, 125 volts. Supplied with two mounting nuts.

No. 2218 List Price \$1.95

SPDT HEAVY DUTY TOGGLE SWITCH



Manufactured by H. & H. for Philmore. UL Approved. Ball handle,

molded bakelite case. 1/2" shank, rated 6 amps, 250 volts, 12 amps, 125 volts. Supplied with two mounting nuts.

No. 2219 List Price \$2.20

DPST HEAVY DUTY TOGGLE SWITCH



Manufactured by H. & H. for Philmore. UL Approved. Ball handle, molded bakelite case. 3/8" shank, rated 6 amp, 250 volts, 12 amp,

125 volts. Supplied with two mounting nuts.

No. 2220 List Price \$2.20

DPDT HEAVY DUTY TOGGLE SWITCH

With Neutral Center



Manufactured by H. & H. for Philmore. UL Approved. Ball handle.

Molded bakelite case. 7/16" shank, rated 5 amp, 250 volt, 10 amps, 125 volts, 3/4 HP 250 volts. Supplied with two mounting nuts.

No. 2221 List Price \$8.10

PUSH BUTTON SWITCH

Momentary Contact



Manufactured by H. & H. for Philmore. Laminated insulation. UL Approved. 1/16" shank. Supplied with two mounting nuts. Rated 1 Amp, 125 Volts A.C.

SP Two Circuit, Push to make and break, furnished with Red or Black Bakelite Knobs.

No. 2234 List Price \$2.00

PUSH BUTTON HEAVY DUTY SWITCH



Momentary Contact

Manufactured by H. & H. for Philmore. UL Approved. Molded Bakelite case. 7/16" shank, rated

6 amps, 250 volts, 12 amps, 125 volts. 1 HP 250 Volts. Supplied with two mounting nuts. No. 2237 DPST Push to Make.. List Price \$3.25

SPDT TOGGLE SWITCH

With Neutral Center



Manufactured by H. & H. for Philmore. UL Approved. Ball handle, molded bakelite case, 3/8" shank, rated 3 amp, 250 volts, 6 amp, 125 volts. Supplied with two mounting nuts.

No. 8201 List Price \$2.80

S.P.S.T. TOGGLE SWITCH

BAT HANDLE



S.P.S.T. Toggle Switch. 3/8" Shank, Bat Handle. Molded Bakelite Case, with 2-6" Insulated leads and "on-off" plate. Rated 3 amps, 250 Volts, 6 amps, 125 Volts. U.L. Approved. Supplied with two Mounting Nuts.

No. L720 List Price \$7.00

S.P.S.T. TOGGLE SWITCH

BALL HANDLE



S. P. S. T. Toggle Switch 1/2" Shank, Ball Handle, Molded Bakelite Case, with "on-off" plate. Rated 3 amps, 250 Volts, 6 amps, 125 Volts. U.L. Approved. Supplied with two Mounting Nuts.

No. L730 List Price \$7.00

TOGGLE SWITCHES

Bat Handle Toggle Switches, molded bakelite case. Rated 3 amps., 250 volts; 6 amps., 125 volts. U.L. Approved. Supplied with two mounting nuts.

No.	Description	List Price
L703	SPDT 7/16" Shank	\$1.10
L702	DPST 7/16" Shank	1.30
L704	DPDT 7/16" Shank	1.45

SPDT TOGGLE SWITCH

With Neutral Center



Off position in center. Rated 3 amps, 125 volts AC or 10 amps, 24 Volts AC. 3/16" shank. Manufactured by C. H. for Philmore. Supplied with two mounting nuts. Suitable for a variety of 2-speed applications.

No. 2204 List Price \$1.00

MOMENTARY CONTACT TOGGLE SWITCHES



Manufactured by H. & H. for Philmore. UL approved. Bat handle. Rated at 3 amp, 125 volts; 1 amp, 250 volts. Laminated insulation. Nickel plated, with two mounting nuts.

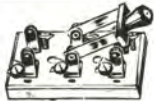
No. 2206M	SPST 15/32" Shank	\$1.85
No. 2209M	SPDT 15/32" Shank	2.15
No. 2212M	DPST 15/32" Shank	2.75
No. 2215M	DPDT 15/32" Shank	3.10

MIDGET PORCELAIN KNIFE SWITCHES



Standard knife switches, ideal for radio, Television and electrical needs. Rated 25 Amps, 125 Volts.

No. 1866 SPST	List Price \$.45
No. 1867 SPDT	List Price .55
No. 1868 DPST	List Price .65
No. 1869 DPDT	List Price .95



MIDGET BAKELITE BASE KNIFE SWITCHES

Compact switches mounted on bakelite base. Brass contacts and blades nickel-plated.

No. 9153 SPDT	List Price \$.65
No. 9154 DPDT	List Price \$.85



SLIDE SWITCHES

Compact and sturdy. Housings made of steel and Cadmium plated. All contacts and terminals are silver plated. Dimensions: Width 35/64", length 1-13/32", mounting centers 1 1/8". Standard buttons are of black bakelite.

No. 9156 SPST .75 Amp, 125 V. AC-DC	List Price \$.19
No. 9156A SPDT .75 Amp, 125 V. AC-DC	List Price \$.20
No. 9157 DPST .50 Amp, 125 V. AC-DC	List Price \$.25
No. 9158 DPDT .50 Amp, 125 V. AC-DC	List Price \$.30

CANOPY SWITCHES



Bakelite Pushbutton canopy switch SPST rated 3 amps, 125 volts, with two 6" insulated leads.

No. 1885List Price \$.50

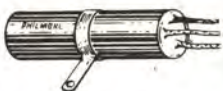
ROTARY CANOPY SWITCH



SPST rated 3 amps, 125 volts, with two 6" insulated leads.

No. 9159List Price \$.45

DRY ELECTROLYTIC TUBULAR CONDENSERS



Sturdily Constructed, internally wrapped in plastic film for protection in humid operating conditions. Compact, wax - im-

pregnated, center mounting strap. Insulated color-coded leads about 6" long. Dual Units—Common Negative.

Cat. No.	Capacity MFD.	W.V.D.C.	Size Dia.	Length	List Price
9460	20 + 20	150	3/4"	2 3/4"	\$1.00
9461	40 + 40	150	1"	2 3/4"	1.10
9462	50 + 30	150	1"	2 3/4"	1.10
9463	50 + 50	150	1"	2 3/4"	1.25

SUBMINIATURE VOLUME CONTROLS



Extremely compact: overall dimensions, shaft 3/4", bushing 1/4", pot diameter 3/4", 1/2" thick. 1/4-32 bushing thread. 1/8" diameter shaft. Switch rated 1 amp at 125 V AC-DC.

Cat. No.	Description	List Price
PC-54	500,000 ohms, with SPST Switch	\$1.85
PC-55	1 Megohm, with SPST Switch	\$1.85

VOLUME CONTROLS



Compact size replacement carbon controls. Breakdown voltage 1000 V. RMS 60 cycles between all terminals and shaft. Will dissipate .03 watts per 10% effective rotation. Recommended for any circuit in which the

power to be dissipated is within the limits stated. All shafts 2" long x 1/4" dia.

No.	Description	List Price
9035	500M Ohm less switch	\$1.05
9038	500M Ohm with switch	1.35
9042	500M Ohm with switch, tapped at 250M Ohms	1.50
9043	1 Megohm with switch, tapped at 500M Ohms	1.50
9044	2 Megohm with switch, tapped at 1 Megohm	1.50

SOLDERLESS TEST PRODS



Made of non-breakable extruded plastic, and available in red or black. Equipped with brass nickel plated solderless phone tips.

No. 912	Red Handle 4"	List Price \$.55
No. 913	Black Handle 4"	List Price .55
No. 914	Red Handle 5 1/2"	List Price .60
No. 915	Black Handle 5 1/2"	List Price .60

PHONO NEEDLE TEST PRODS



Identical to above except that test prods are equipped with chuck and nickel plated needle. Chuck can be removed from prod, and needle can be removed from chuck.

No. 916	Red Handle 4"	List Price \$.55
No. 917	Black Handle 4"	List Price .55
No. 918	Red Handle 5 1/2"	List Price .60
No. 919	Black Handle 5 1/2"	List Price .60

VISUAL LIGHT TV INDICATOR



A useful tool in the hands of any electronic serviceman or ham. Indicates whether or not high voltage is present in TV and transmitter circuits. Will trace operation of horizontal amplifier and of high voltage transformer.

No. 926List Price \$.65

BONE FIBER SCREW DRIVER NO METAL — FULLY INSULATED



A special tough fiber with end milled to form a screwdriver blade at each end. Essential for adjusting I.F. and R.F. circuits.

No. 921List Price \$.50

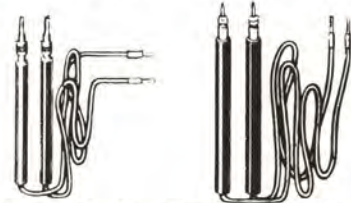
DOUBLE NIB ALIGNING TOOL



Designed for aligning pushbutton receivers and for adjusting iron core I.F. transformers and R.F. coils. There is a recessed screwdriver nib on one end and a screwdriver blade on the other end. Made of Tenite plastic.

No. 923List Price \$.90

STANDARD TEST LEADS



Furnished with plastic handles which will withstand chipping or breaking. Handles are red and black, 4" long x 3/8" diameter. Supplied with 48" red and black flexible kinkless rubber covered wire leads.

No. 900	Solderless Tip Prods with Phone Tips	List Price \$1.55
No. 901	Needle Point Prods with Phone Tips	List Price \$1.55

ALIGNING TOOL



For Peanut I.F.'s — For "K" Tran. Transformers — For R.C.A. Front End This tool is especially adapted for aligning peanut I.F.'s and the difficult to get at front end of some receivers.

No. 922List Price \$1.00

TUNING WRENCH



Tuning wrench, fully insulated, 5" long. For tuning threaded hex cores of IF transformers. Used in all models of TV receivers.

No. TW1List Price \$.39

STANDARD VISUAL LIGHT TESTER



A neon indicator of faultless performance, 5" long tenite handle wired with 24" long lead. Overall length 30". The clip on tip is a feature that will be appreciated. It holds a wire firmly in its jaws while probing into the circuit. It is slim enough to reach into the closest quarters.

No. 925List Price \$.95



FEMALE MICROPHONE CONNECTOR

For Cable connections. With spring protector to prevent sharp bending of cable. Includes coupling ring. Brass chrome-plated. Single contact. Coupling ring is removable.

No. 2317List Price \$.50



MALE MICROPHONE CONNECTOR

For cable connections. Single contact. Brass chrome-plated.

No. 2318List Price \$.40

CHASSIS MICROPHONE CONNECTOR



Recommended for use on the chassis, or in the microphone. Single contact male, with coupling threads. Brass chrome-plated.

No. 2319List Price \$.38

CHASSIS MICROPHONE CONNECTOR



CLOSED CIRCUIT

Has spring center contact which grounds before cable connection is broken, preventing open-circuit howls. Single contact, with coupling threads. Brass, chrome-plated.

No. 2320List Price \$.50

DIAL LIGHT ASSEMBLIES



Supplied with 1/2" Faceted or Smooth Jewels. Jewel holder made of brass, nickel-plated. Jewel mounts in 7/8" dia. hole. Has an

extra center grounding lug. Jewels can be furnished in the following colors: Red, Green, Amber, Blue, Opal, and clear. Please specify color desired.

No.	Base Type	Jewel	List Price
1470	Miniature Screw Base	Faceted	\$.45
1471	Miniature Screw Base	Smooth	.45
1472	Candelabra 110 Volt	Faceted	.45
1473	Candelabra 110 Volt	Smooth	.45
1474	Miniature Bayonet	Faceted	.45
1475	Miniature Bayonet	Smooth	.45

HEXAGON STEEL MACHINE SCREW NUTS



Nickel-plated.

No.	Size	List Price Per Thousand
3008	6/32 x 1/4"	\$6.65
3009	8/32 x 1/4"	7.75



ROUND HEAD STEEL MACHINE SCREWS

Nickel-plated.

No.	Size	List Price Per Thousand
3003	6/32 x 3/8"	\$5.60
3004	6/32 x 1/2"	6.25
3005	6/32 x 1"	7.50
3000	8/32 x 3/8"	7.00
3001	8/32 x 1/2"	7.50
3002	8/32 x 1"	9.75



INSULATED PHONE TIP JACK

Accommodates all insulated and non-insulated phone tip plugs. Available in Red or Black. Mounts in 1/8" dia. hole. Complete with insulating shoulder washer and nut. Specify color.

No. 2347List Price \$.22



INSULATED SR. SOLDERLESS PHONE TIP PLUG

Fits all standard phone tip jacks. Insulated sleeve 3/4" long. Cable opening 1/8". Available in Red or Black. Specify color. Overall length 1 1/8".

No. 2348List Price \$.25



PHONE TIP JACK

Brass, nickel-plated. Accommodates all standard insulated and non-insulated phone tip plugs. Mounts in 1/4" dia. hole in panels up to 3/8" thick. Supplied with hex nut.

No. 2345List Price \$.17



SR SOLDERLESS PHONE TIPS

Brass, nickel-plated. Wire fastens easily, making soldering unnecessary. Overall length 1 3/8".

No. 2344List Price \$.17

RCA TYPE PIN PLUGS AND JACKS



Single prong, firm grip. Used on recording units, amplifiers, phonographs, receivers, and auto sets. Sold in sets only.

No. 2101 Per PairList Price \$.15

BAKELITE DOUBLE PHONE PLUG



Molded bakelite barrel. Fits all standard size jacks. Will take 2 sets of cord tips.

No. 2286List Price \$.65



SHIELDED DOUBLE PHONE PLUG

Brass, nickel-plated. Supplied with fibre insulating tube. Will fit all standard size jacks. Diameter of barrel 1/8". Overall length 3 1/4".

No. 2282List Price \$1.45



INSULATED ALLIGATOR CLIP

Similar to No. 1956A but equipped with red or black insulating sleeves. 2 1/4" long.

No. 1956BList Price \$.20



ALLIGATOR CLIP

Nickel-plated.

Strong spring with hard bite. 2" long.

No. 1956AList Price \$.13

BANANA TYPE PLUGS



Brass, nickel-plated. The spring is made of phosphor-bronze, giving positive contact. Supplied with 6/32 screw and solder lug.

No. 2349List Price \$.20



BANANA TYPE JACKS

Made of Brass, nickel-plated. Will accommodate all standard banana type plugs. Mate for 2349 plug. Mounts in 1/4" hole in panels up to 3/8" thick.

No. 2350List Price \$.17



INSULATED BANANA PLUGS

Split type construction. Insulated handle 7/8" long. Overall length 1 1/2". Cable opening 1/8". Set screw provided on side of plug to secure wire to plug without soldering. Available in Red or Black. Specify color.

No. 2349AList Price \$.24



INSULATED BANANA JACKS

Accommodates all standard banana type plugs. Mounts in a 1/8" dia. hole in panels up to 3/8" thick. Supplied with insulated shoulder washer, soldering lug and nut. Available in Red or Black. Specify color.

No. 2350AList Price \$.23



MIDGET JACKS SINGLE CIRCUIT

Small compact size. Will fit all standard size phone plugs. Mounts in single 3/8" dia. hole, on panels up to 3/8" thick.

List Price
No. 2283 Single Open Circuit\$.45
No. 2284 Single Closed Circuit\$.55



3-WAY MICROPHONE JACKS

Small compact size. Will fit all standard 3-way microphone plugs. Mounts in single 3/8" dia. hole, on panels up to 3/8" thick.

No. 2285List Price \$.75



BATTERY CLIPS

Steel, Cadmium-plated. Screw or lug connections — no solder needed.

No.	Rating and Size	List Price Each
1956C	10-Amp "Peewee" 2x long x 1/2" spread.....	\$.12
1955A	25-Amp "Medium" 2 3/8" long x 5/8" spread.....	\$.20
1956	50-Amp "Senior" 4" long x 1" spread.....	\$.35



BARE AERIAL WIRE

Consisting of 3 strands of copper wire and 4 strands of soft galvanized wire.

No.	Coils	Stranding	List Price
6093A	50-ft.	7/22	\$2.10
6094A	100-ft.	7/22	4.20
6096A	50-ft.	7/23	1.60
6097A	100-ft.	7/23	2.95
6099A	50-ft.	7/24	1.25
7100A	100-ft.	7/24	2.30
7102A	50-ft.	7/26	.90
7103A	100-ft.	7/26	1.60
7102B	50-ft.	7/27	.85
7104A	100-ft.	7/27	1.35
7105A	50-ft.	7/28	.75
7106A	100-ft.	7/28	1.25

SINGLE AND DOUBLE HEADPHONE CORDS WITH TIPS AND LUGS



Durable standard cords, suitable replacement for all types of headphones. 5 Ft. Long.

No. 2320V	Single phone cord with tips.	List Price	\$.84
No. 2320W	Single phone cord with tips and lugs.	List Price	\$.84
No. 2320X	Double phone cord with tips.	List Price	\$1.25
No. 2320Y	Double phone cord with tips and lugs.	List Price	\$1.25



AC-DC ANTENNA WIRE

25-ft. hanks AC-DC Antenna wire, wound on fibre form. Ideal as an indoor antenna for AC-DC sets. Flexible stranded wire.

No. 5031P	Plastic Covered	List Price	\$.39
No. 5031A	Cotton braided brown wrap	List Price	\$.45

VARNISHED SPAGHETTI TUBING



Bundles of 24—8" lengths assorted sizes and colors, varnished spaghetti tubing.

No. 9224	Per Bundle	List Price	\$.42
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NYLON DIAL CORD

Standard sizes. Suitable for all types of sets. Heat resisting. Non-stretch. Moisture-proof.

No.	Weight	Diam.	Length	List Price
2176A	Light	.026"	100-Ft. Spools	\$1.55
2176	Med.	.028"	100-Ft. Spools	1.65
2176B	Heavy	.038"	100-Ft. Spools	2.20

MAGNETIC PICKUP AND STUD FINDER



Handy pocket tool to pick up metal objects in hard-to-get-at spots, such as Radios, TV sets, Motors etc. Furnished with pocket clip. 5" long.

No. W58	List	\$1.55 ea.
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PORCELAIN NAIL-IT KNOBS

No. 2130D	List Price	\$.12
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PORCELAIN INSULATORS



No. 2130C	List Price	\$.12
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LIGHTNING ARRESTOR



Size 2 1/2"

Glazed porcelain body, nickel-plated hardware. For indoor or outdoor use.

No. 2130A	List Price	\$.60
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NEON TATTLETE TESTERS



For testing live and ground wires, polarity, defective fuses, condensers, resistors, spark plugs, insulation. Tests AC or DC current from 110 to 550 volts.

No. NT70	List Price	\$1.25 Ea.
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3" GLASS INSULATORS



Made of crystal clear glass with a smooth surface.

No. 2130-B	List Price	\$15.00/C
	Standard Package	100

STRAP GROUND CLAMP



Copper plated strap with riveted clip, nut and bolt. Adjustable, will take from 3/8" to 2" pipe.

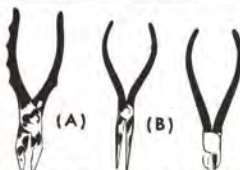
No. 2130F	List Price	\$.15
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LEAD-IN STRIPS



Weatherproof lacquered braid covered. Riveted clips.

No. 2321R	List Price	\$.20
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PLIERS

FOR TELEVISION

• RADIO

• ELECTRONICS

(A) LINESMAN PLIER. Slip joint side cutting. Finger grip handle. For heavy repair work.
No. 0245—7" List Price \$1.60

(B) LONG NOSE, SIDE CUTTING PLIER. Specially for T, Radio, Sewing Machine work, fishing tackle box, hobby bench.
No. 0422—5 3/4" List Price \$1.75
No. 0421—6 3/4" List Price \$1.85

(C) DIAGONAL CUTTING PLIER, for electricians, linesmen, telephone men.
No. 0424—5 1/4" List Price \$1.75

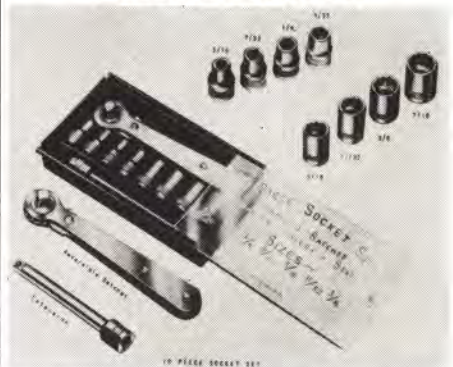
WIRE STRIPPER AND CUTTER



Combination wire stripper and cutter with plastic insulated handles. Easily adjusted to strip insulation from any wire up to No. 10 solid or stranded. Calibrated adjustment permits resetting to exact jaw opening. Hardened steel blades. 5 3/8" long.

No. W57	List	\$1.75 ea.
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TEN PIECE SOCKET SET



Ten piece, 1/4" square drive socket set, consists of a reversible ratchet in extension bar and 8 sockets, sizes: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16". Made of tempered alloy steel and bright sheen finished, this set comes in a sturdy and durable metal box with sliding plastic cover for easy selection. The box is keyed in the back for wall mounting. A MUST for TV and Radio Work, this set is fully guaranteed against defects in workmanship and materials.

Cat. No. 1105	List Price	\$4.45
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DELUXE SPINETTE SOCKET AND SCREWDRIVER SET



Consists of one large and one medium screw driver blade, and #1 recessed head blade. Socket sizes are 3/16", 1/4", 5/16", 11/32", 3/8" and 7/16", all bright sheen finished. A handy, useful kit for every service shop.

Cat. No. 1180	List Price	\$4.60
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SPINETTE SOCKET WRENCH AND SCREWDRIVER SET



Consists of five sockets, sizes 1/4", 5/16", 11/32", 3/8", and 7/16", strung onto hexagon shaft which ends in a 1/4" screw driver. Has shockproof transparent plastic handle. Sockets and shaft are bright sheen finished.

Cat. No. 1100	List Price	\$1.90
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BAKELITE KNOBS

BAR KNOBS



All with set screws, fit 1/4" shaft.

No.	Color	List Price Ea.
2041	1 1/4" Black	\$.18
2044	1 1/4" Walnut	.19
2045	1 1/4" Ivory	.20
2046	1 1/4" Red	.20
2047	2 1/4" Red	.36
2055	2 1/4" Black	.35
2057	2 1/4" Walnut	.36

BAKELITE KNOBS



Dia. 3/4", height 9/16" with set screws, fit 1/4" Shaft.

No. 9207	Mahogany	List Price \$.20
No. 9208	Ivory	List Price .20



Dia. 1 1/4", height 3/8", with set screws, fit 1/4" shaft.

No. 9209	Mahogany	List Price \$.23
No. 9210	Ivory	List Price .23



**POINTER KNOBS
WALNUT**

Dia. 11/16", height 13/32", with set screw, fit 1/4" shaft.

No. 2051	List Price \$1.16
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**BAKELITE
INSTRUMENT KNOBS**



Length 1 5/8", height 19/32", 1/4" dia. hole with brass insert and set screw mounting.

No. 9211B	Black	List Price \$.36
No. 9211W	Walnut	List Price .37

Length 2 1/2", height 5/8", 1/4" dia. hole with brass insert and set screw mounting.

No. 9212B	Black	List Price .39
No. 9212W	Walnut	List Price .40



**WALNUT
DOME KNOBS**

Dia. 3/4", height 3/4" with set screws, fit 1/4" shaft.

No. 2049	List Price \$2.22
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Dia. 7/8", height 7/8", with set screws, fit 1/4" shaft.

No. 2050	List Price \$.25
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**ASSORTED
BAKELITE KNOBS**

KIT OF 50



All approximately 1" diameter, with set screws, fit 1/4" shaft. Very fine assortment of popular styles in walnut, mahogany, and ivory.

No. 2048	List Price \$11.00
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**BAKELITE ADAPTOR
PLATES**

For 45 RPM records.

No. BP18	List Price \$.30
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**PLASTIC MAHOGANY
AND GOLD KNOB**

1" Diameter, with set screw to fit 1/4" Shaft.

No. 920A	List Price \$.34
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**PLASTIC BLACK
AND GOLD KNOB**

1 1/4" diameter with set screw to fit 1/4" shaft.

No. 520	List Price \$.34
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**PLASTIC BLONDE
AND GOLD KNOB**

Push-on type, 1" diameter.

No. 1840B	List Price \$.25
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**PLASTIC MAHOGANY
KNOB**

Push-on type, 1" diameter.

No. 10430	List Price \$.15
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PLASTIC MAHOGANY KNOB



Push-on type. 3/4" diameter with 1 3/8" Extension.

No. 2330	List Price .10
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**6-FT. POWER
SUPPLY CORD**

No. 18 Wire POT, with molded plug, hanked, stripped and tinned. U.L. Approved.

No. 2454	List Price \$.40
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**540 OHM RESISTANCE
LINE CORDS**



For 3-way Portable AC-DC Battery sets. 6-Ft. long. With Molded Plug.

No. 9221	List Price \$1.25
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**AC Chassis Mount
Convenience Receptacle**



Suitable for accessory equipment power outlets on amplifiers, pre-amplifiers, clock radio chassis etc. 1 1/8" mounting centers. Requires a 3/4" x 3/8" rectangular cutout. U.L. approved.

No. R118	List Price \$.18 ea.
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BAKELITE FLAT CAP

Spring Action Brass Blades
10 Amps — 250 V.
15 Amps — 125 V.
Cord Hole 5/16" Dia.
Underwriters Listed

No. 1071B	Brown	List Price \$.18
No. 1071V	Ivory	List Price \$.21



**BAKELITE FLAT
GRIP CAP**

Spring Action Brass Blades
10 Amps — 250 V.
15 Amps — 125 V.
Cord Hole 5/16" Dia.
Underwriters Listed

No. 1051B	Brown	List Price \$.23
No. 1051V	Ivory	List Price \$.26



**AC RUBBER
ATTACHMENT PLUGS**

With steel blades. 660 Watts—250 Volts. Hole diameter 3/8"

No. 6092	List Price \$.16
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**AC BAKELITE
ATTACHMENT PLUGS**

With steel blades. 660 Watts—250 Volts.

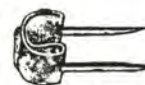
No. 6091	List Price \$.11
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**SPRING ACTION FLAT
PLASTIC CAPS**



Screw type terminals, 100% positive contact, small size, flat sides, finger grip. Brass blades. Adaptable for all types of electrical appliances. Available in Brown or White. Rated at 10 Amps, 125 Volts, 5 Amps, 250 Volts.

No. 815B	Brown Caps	List \$.20 ea.
No. 815W	White Caps	List \$.20 ea.



**INSULATED
STAPLES**

No. 5 size—1/4" x 5/8". Furnished with fibre insulation. Designed for securing lead-in, ground, and other wires for installation. Packed 1000 per box.

No. 2059	List Price \$4.85/M
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UNIVERSAL COMBINATION TV CHEATER CORD



6-Ft. Lead Cord with double convenience outlet for soldering iron, lamps, etc.; 2-Ft. Cheater Cord with con connector for Zenith, Philco, Emerson, Sylvania; and 2-Ft. Cheater cord with standard TV Connector, for all other TV sets. U.L. Approved.

No. R-845 List Price \$1.85

EXTENSION TV CORD



6 foot POT TV cheater cord set with male and female TV safety plugs.

No. H109J List Price each \$.75

TV CHEATER CORD



POT power supply cord, with molded plug and TV safety break female connector. U.L. Approved.

No. H-109E 6-Ft. List Price \$.50
No. H-109-F 9-Ft. List Price .75

6-FT. ZENITH REPLACEMENT TV CORD



Suitable for servicing Zenith and other make receivers. U.L. Approved. POT.

No. S-711 List Price \$.85

T.V. SAFETY BREAK MALE INTERLOCK PLUGS



Flush mounting type, made of 1/16" bakelite strip, 1 3/8" x 3/4". Brass prongs, solder lugs. 1/4" mtg ctrs.

No. H116 List Price \$.08



INTERLOCK PLUGS

TV safety break male connector for AC input supply. Brass, nickel plated prongs.

No. H115 List Price \$.12

HIGH VOLTAGE RECTIFIER SOCKET ASSEMBLY



No.	For Tube	List Price
TV105	1B3	\$.65
TV106	1X2A	.65

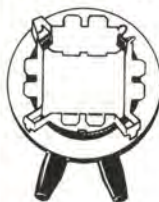
RCA TYPE PHONO PLUG with Finger Grip



Single prong. Used on recording units, amplifiers, phonographs, receivers and auto sets.

No. 2101G List Price \$.10 Ea.

FOCUS CENTERING ASSEMBLY FOR ELECTROSTATIC TUBES



A focus centering device, with adjustable magnets, for centering picture on face of electrostatically focused TV picture tubes, with neck dia. 1 3/8" to 1 1/2"

No. MA38 List Price \$.85



TELEVISION SOCKET

Bakelite Duo-Decal type, with plastic cover for complete insulation. For use with electrostatic as well as magnetic tubes. Supplied with six 30" leads.

No. S106A List Price \$1.00

SECOND ANODE CONNECTOR



Suitable for most types of TV tubes. Contact is made of annealed spring steel, tempered and silver plated. Rubber suction cup is 1 1/2" diameter.

No. 302 23" Lead List Price \$.50



TERMINAL LUG STRIPS

Solder-coated terminals, mounted on phenolic strips. Ideal for mounting parts which are to be insulated from chassis.

No.		List Price Per Hundred
1966	1-lug strip	\$2.75
1967	2-lug strip	3.75
1968	3-lug strip	5.00
1969	4-lug strip	6.00
1970	5-lug strip	7.00
1971	6-lug strip	8.50



SCREW TYPE TERMINAL STRIPS

Mounted on Bakelite. Ideal for chassis and breadboard layouts. Solder-coated brass terminals.

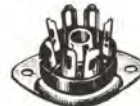
No. 1973 2-screw terminal strips List Price Per Hundred \$11.00

7-PRONG MINIATURE BANTAM WAFER SOCKET



3/8" mounting centers.
No. 1834 List Price \$.12

7-PRONG MINIATURE BANTAM MOLDED BAKELITE SOCKET



Black molded bakelite, with mounting saddle. 3/8" mounting centers.
No. 1834A List Price \$.17

9-PRONG MINIATURE WAFER SOCKET



1 1/8" mounting centers.
No. 1834B List Price \$.15

9-PRONG MINIATURE MOLDED BAKELITE SOCKET



Black molded bakelite, with mounting saddle. 1 1/8" mounting centers.
No. 1934C List Price \$.20

BAKELITE WAFER SOCKETS



No.	Prongs	Mounting Centers	List Price Each
1836	4	1 1/2"	\$.15
1837	5	1 1/2"	.16
1838	6	1 1/2"	.17
1839	7	1 1/2"	.17
1840	8 (Octal)	1 1/2"	.11
1840A	8 (Octal)	1-5/16"	.11

8-PRONG OCTAL MOLDED BAKELITE SOCKET



Black bakelite, mounted in saddle, with 4 grounding lugs. 1 1/2" mounting centers.

No. 1845 List Price \$.17

8-PRONG LOCTAL MOLDED BAKELITE SOCKET



With mounting saddle 1 3/8" mounting centers.

No. 1846 List Price \$.17

NICKEL-PLATED PHONE TIPS



1" overall, brass, nickel-plated finish.

No. 2181 Per 1000 List Price \$26.00



FAHNESTOCK CLIPS

3/4" spring brass, nickel-plated.

No. 2090 Per Thousand List Price \$17.00

FUSE MOUNTING BASES



Will accommodate the 3AG cartridge type auto fuse. Clips are made of spring brass, and mounting board is made of 1/8" XP laminated phenolic insulating material.

No. H108A Single Fuse List Price \$.25
No. H108B Double Fuse List Price \$.50

OUTPUT TRANSFORMERS



List Price

- No. T034 Single 50L6 output transformer, strap mounting, 2" mounting centers\$1.05 Ea.
- No. TT43 Single 6Y6 output transformer, strap mounting, 1 3/4" mounting centers\$1.25 Ea.
- No. T017 Midget single 3V4 output transformer, strap mounting, 1 3/8" mounting centers\$1.95 Ea.

BATTERY HOLDERS



- | No. | Description | List Price |
|-------|---------------------------------------|------------|
| BH70 | For 1—2Z2P1 3 V pack..... | \$.75 ea. |
| BH71 | For 1—30V type 506..... | .85 ea. |
| BH72 | For 1—30V type 413..... | .70 ea. |
| BH73 | For 2—30V type 413..... | 1.00 ea. |
| BH74 | For 2—"D" cells w/switch..... | 1.25 ea. |
| BH75 | For 3—"C" cells, side by side..... | 1.40 ea. |
| BH76 | For 3—"D" cells, side by side..... | 1.50 ea. |
| BH77 | For 1—15V type Y-10..... | .70 ea. |
| BH78 | For 2—15V type Y-10..... | .85 ea. |
| BH79 | For 2—Miniature pencells in-line..... | .85 ea. |
| BH80 | For 2—Pencells in-line..... | .85 ea. |
| BH81 | For 2—"C" cells in-line..... | 1.00 ea. |
| BH82 | For 2—"D" cells in-line..... | 1.10 ea. |
| BH83 | For 4—"C" cells dual in-line..... | 1.50 ea. |
| BH84 | For 4—"D" cells dual in-line..... | 1.60 ea. |
| BH85 | For 1—RM-12 or Y-15..... | .50 ea. |
| BH86 | For 2—RM-12 or Y-15..... | .85 ea. |
| BH87 | For 1—RM4 Mercury cell..... | .75 ea. |
| BH88 | For 2—RM4 Mercury cell..... | .85 ea. |
| BH89 | For 3—RM4 Mercury cell..... | .95 ea. |
| BH90 | For 1—15V, type U-10..... | .65 ea. |
| BH91 | For 2—15V, type U-10..... | .85 ea. |
| BH92 | For 1—TR 135R..... | .70 ea. |
| BH93 | For 1—TR 134R..... | .70 ea. |
| BH94 | For 1—Polarized "C" cell..... | .75 ea. |
| BH95 | For 1—Polarized "D" cell..... | .75 ea. |
| BH96 | For 1—Type 964 Radio "A" Batt..... | 1.10 ea. |
| BH97 | For 1—Polarized, as above..... | 1.20 ea. |
| BH98 | For 2—"D" w/Fahnestocks..... | .85 ea. |
| BH99 | For 1—"D" cell..... | .60 ea. |
| BH100 | For 1—RM 601R..... | .70 ea. |
| BH101 | For 1—TR 152R or RM401R..... | .70 ea. |

REAR SEAT SPEAKER GRILLES



Grilles made of steel with cross staggered perforations. Mounting hardware is supplied with each grille. Grilles are individually packaged in clear plastic envelopes. Please specify color when ordering.

5" x 7" GRILLE

List Price

- No. 607 Black, Grey, Bronze, White or Red. Please Specify Color\$1.50 Ea.
- No. 607GC Gold or Chrome. Please Specify Color\$1.70 Ea.

6" x 9" GRILLE

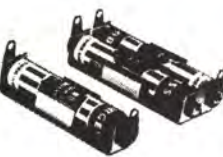
- No. 609 Black, Grey, Bronze, White or Red. Please specify color\$1.85 Ea.
- No. 609GC Gold or Chrome. Please Specify Color\$2.05 Ea.

HI-FREQUENCY BUZZER



Easily adjusted to produce various pleasing tones. 6-32 threaded hole for mounting. Size 1 7/8" L. x 3/4" W. x 1/16" H.

- No. HF203List Price \$1.00



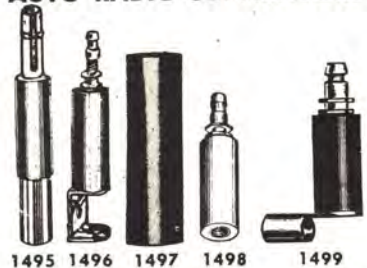
BATTERY HOLDERS

For Dry Cell Batteries.

Sturdy aluminum construction.

- | No. | Description | List Price |
|------|--|------------|
| BH55 | For 1 Miniature Penlite Battery..... | \$.50 |
| BH56 | For 2 Miniature Penlite Batteries..... | .75 |
| BH57 | For 3 Miniature Penlite Batteries..... | 1.00 |
| BH58 | For 4 Miniature Penlite Batteries..... | 1.35 |
| BH59 | For 1 Regular Penlite Battery..... | .50 |
| BH60 | For 2 Regular Penlite Batteries..... | .75 |
| BH61 | For 3 Regular Penlite Batteries..... | 1.00 |
| BH62 | For 4 Regular Penlite Batteries..... | 1.35 |
| BH63 | For 1 Medium (Size C) Battery..... | .50 |
| BH64 | For 2 Medium (Size C) Batteries..... | .75 |
| BH65 | For 1 Large (Size D) Battery..... | .50 |
| BH66 | For 2 Large (Size D) Batteries..... | .75 |
| BH67 | For 1 22 1/2 V. Hearing Aid and Electronic Type Battery..... | .60 |
| BH68 | For 2 22 1/2 V. Hearing Aid and Electronic Type Battery..... | .85 |
| BH69 | For 3 22 1/2 V. Hearing Aid and Electronic Type Batteries..... | 1.35 |

AUTO RADIO SUPPRESSORS



Resistance value of all standard types is 10,000 ohms, plus or minus 20%. Molded black bakelite housings. Rugged, impervious to heat, moisture, oil, and mild acids.

- | No. | Description | List Price |
|------|--------------------------------|------------|
| 1495 | Distributor..... | .50 |
| 1496 | Spark plug type..... | .45 |
| 1497 | Cable—Screw fitting..... | .40 |
| 1498 | Universal Screw Type..... | .50 |
| 1499 | Snap-on Plug — Angle Type..... | .45 |



AUTO GENERATOR CONDENSER

.5 Mfd. Enclosed in metal container to overcome severe operating conditions of temperature and humidity. Sturdily built to withstand constant vibration.

- No. 9184List Price \$5.50



MOTOROLA TYPE ANTENNA PLUGS

- No. 2321BList Price \$1.14



ANTENNA CONNECTOR Flange Type

To fit Motorola type Plug, our No. 2321B. 15/16" mounting centers. .136 diameter mounting holes.

- No. 2322B.....List Price \$.20 ea.



ANTENNA CONNECTOR Shell Type

Same as our No. 2322B without flange.

- No. 2323B.....List Price \$.12 ea.

SPEAKER Baffles WALL TYPE



Handsomely grained walnut veneers, sturdily constructed. Well suited for any public address or intercommunication work. Ideal for schools, auditoriums, clubs, etc.

- | No. | For Speaker Size | List Price |
|------|------------------|------------|
| 9165 | 5" | \$5.50 |
| 9166 | 6" | 7.00 |
| 9167 | 8" | 8.25 |
| 9168 | 10" | 9.50 |
| 9169 | 12" | 12.00 |

PHILMORE TOP QUALITY TRANSISTORS CIRCUIT COMPONENTS



TRANSISTOR FERRITE ROD LOOP ANTENNA COILS

These antennas are available in four different inductances, designed for long range reception. They are Litz wire space wound and the high quality ferrite core used contributes to an extremely high "Q" of over 375. More than twice the "Q" of conventional types.

Very high sensitivity and selectivity. Incorporates a separate (not a tap) low impedance winding, bi-filar wound with tuned winding to provide correct impedance match into transistor input circuitry.

Can also be used as a replacement to increase performance of present day vacuum tube radios. Convenient mounting straps are spaced 3-5/16" apart. Total length 6 1/4" x 3/8" diameter.

No. TL-100 Will match R.F. or Converter tuning condenser of 420 Mmfd.List Price \$1.40
 No. TL-101 Similar to TL-100, designed to match our No. 51-RC 2-gang Var. Cond. (123 mmfd.)List Price \$1.50

No. TL-102 Similar to TL-100, designed to match a 365 mmfd. Variable Condenser.List Price \$1.50

No. TL-103 Similar to TL-100, designed to match our No. 52-JC 2-gang variable condenser (211 mmfd.)List Price \$1.50

Philmore, long a pioneer in the electronics field, now offers a line of first quality, economy-price components, specifically designed for TRANSISTORIZED circuits. All of these items are maintained in our stocks in substantial quantities for IMMEDIATE SHIPMENT.



FERRITE SLUG-TUNED VARIABLE INDUCTANCE LOOP ANTENNA COIL

Highly sensitive and selective, this hi "Q" antenna coil has a tap for use with transistor or germanium diode input circuits. Will also operate satisfactorily with tube circuits. Furnished with mounting bracket and screw. Has built-in 12" pigtail lead for additional pickup efficiency. Will match tuning condensers of 365 mmfd to 420 mmfd. Length of coil 2" x 3/8" width.

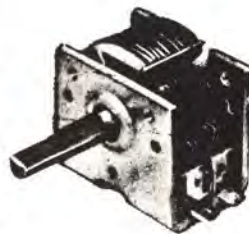
No. RB41-TList Price \$1.15



TRANSISTOR MINIATURE 2-GANG SUPERHET VARIABLE CONDENSER

Used in most commercially produced transistor radios. Capacity of RF section is 6.3 minimum to 123.1 mmfd. Oscillator section: 5.7 to 78.2 mmfd. Aluminum frame plates. Smooth ball-bearing action over entire 180° rotation. Effective range of trimmers is 15 mmfd. Capacity increases counter-clockwise. Dimensions: 1 3/8" wide, 1-15/16" high, 15/16" deep. Flatted shaft 1/4" diameter by 1 1/4" long.

No. 51-RCList Price \$2.50



Tiniest Variable Condenser in the World! 2-GANG SUPERHET VARIABLE CONDENSER

This tiny condenser is completely housed in a transparent plastic dustproof enclosure. Size: 5/8" x 1-1/16" x 1-1/16". Capacitance: Antenna section, 13 to 211 Mmfd; Oscillator Section, 11 to 101 Mmfd. Counter Clockwise rotation. Trimmer 12 Mmfd. max. Coil inductance: Antenna 400 uh. Oscillator 220 uh.

No. 52-JCList Price \$2.60



GERMANIUM DIODES

General purpose type diode, equivalent to type 1N34.

Type PH-4List Price \$.55



TRANSISTOR SUBMINIATURE VOLUME CONTROLS

These controls are especially designed for transistor circuits. They have a 1" shaft length, by .156 (5/32") diameter. The 1/4-32 bushing is 1/4" long. Overall diameter of the controls is 3/8".

Cat. No.	Description	List Price
PC-50	5,000 Ohm Less Switch	\$1.10
PC-51	10,000 Ohm Less Switch	1.10
PC-52	5,000 Ohm SPST Switch rated 3 amp @ 125 V.	\$1.85
PC-53	10,000 Ohm SPST Switch rated 3 amp @ 125 V.	\$1.85



SUB-MINIATURE KNOBS

Dia. 5/8", height 3/8", with set screws, to fit 5/32" shaft.

No. K54 BlackList Each \$.22
 No. K55 WalnutList Each \$.22



TRANSISTOR MINIATURE I.F. TRANSFORMERS

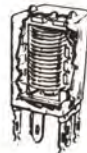
The latest type I.F. Transformers, designed for all transistor circuits.

I.F. frequency 455 Kc. Size: 1/2" x 1/2" x 3/4".

No. Description List Price
 BS-725 For 1st and 2nd I.F.

Stages, input and intermediate\$2.25

BS-726 For output or Diode load\$2.25



MATCHED OSCILLATOR COIL

Has tunable iron core for varying inductance to match all types of Loop Antenna Coils.

No. TC220List Price \$1.10



TRANSISTORS

Transistor Type No.	Current Gain	Power Gain	Collector Dissipation	Frequency Cut-Off	Power Output Milliwatts	List Price Each
PH-1	20 db.	36 db.	50 Mw.	0.15 Mc.	25 Mw.	\$1.50
PH-2	40 db.	40 db.	70 Mw.	500 Kc.	50 Mw.	1.75
PH-3	70 db.	30 db.	50 Mw.	10 Mc.	—	3.00

GENERAL INFORMATION ON TRANSISTORS

Type PH-1 is a general purpose PNP high gain audio transistor.

Type PH-2 is a general purpose PNP power output audio transistor, furnished with a heat sink.

Type PH-3 is a general purpose PNP R.F. transistor, suitable for Radio Frequency and Intermediate Frequency Service.

Types PH-1, PH-2, and PH-3 correspond in general to GT222, 81, 761 or equivalent makes, respectively.

UNIVERSAL TRANSISTOR SOCKET

Low Loss phenolic socket with three beryllium copper contacts, silver plated, tinned for easy soldering. Supplied with push-on mounting clip.

No. TR420List \$.24 ea.



Philmore

IMPORTED ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

MINIATURE ELECTROLYTIC CONDENSERS



CAPACITANCE TOLERANCE—10% +100%
POWER FACTOR15% Maximum, Average 10%
LEAKAGE CURRENTBetter than 0.05 C.V. microamps where C is the capacitance in Mfd. and V is the DC working voltage.

These units are encased in solid-drawn single-ended aluminum cans, spun onto plastic end plugs to give moisture-proof seals, and provided with 1/2" wire ends.

The internal construction is all-aluminum. A unique feature is the retention of the well-proven rivetted positive connection, on a smaller scale. Plastic covering insulates the can.

Cat. No.	Mfd.	DC WV	Dia.	Length	List Price Each
E-1	5	6	1/4"	1 1/4"	\$.35
E-2	10	6	1/4"	1 1/4"	.40
E-3	25	6	1/4"	1 1/4"	.40
E-4	50	6	1/4"	1 1/4"	.45
E-5	75	6	3/8"	1 1/4"	.50
E-6	100	6	3/8"	1 1/4"	.55
E-7	150	6	1/2"	1 1/4"	.65
E-8	5	12	1/4"	1 1/4"	.40
E-9	10	12	1/4"	1 1/4"	.40
E-10	25	12	1/4"	1 1/4"	.45
E-11	50	12	3/8"	1 1/4"	.45
E-12	75	12	3/8"	1 1/4"	.50
E-13	100	12	1/2"	1 1/4"	.55
E-14	5	25	1/4"	1 1/4"	.40
E-15	10	25	1/4"	1 1/4"	.45
E-16	25	25	1/4"	1 1/4"	.45
E-17	50	25	3/8"	1 1/4"	.50
E-18	75	25	3/8"	1 1/4"	.55
E-19	100	25	1/2"	1 1/4"	.60

MINIATURE ELECTROLYTIC CONDENSERS

Molded plastic insulation — hermetically sealed.



Cat. No.	Mfd	DC WV.	Dia.	Length	List Price Each
E20	3	12	3/16"	5/8"	\$.25
E21	6	12	1/4"	5/8"	.30
E22	10	12	3/16"	3/4"	.35
E23	30	12	1/4"	3/4"	.40
E24	1	25	3/16"	5/8"	.25
E25	3	25	3/16"	13/16"	.30
E26	6	25	1/4"	5/8"	.35
E27	10	25	1/4"	3/4"	.40
E28	30	25	3/8"	7/8"	.50

MIDGET TRANSFORMERS FOR TRANSISTORS

These tiny transformers use finest quality cores, made of hydrogen heat processed permalloy. Fine coil wire of 0.025 mm diameter is used. A special type of vacuum impregnated insulation is employed, making these transformers impervious to corrosion and coil wire breakage.



Number	Type	Impedance		Net Weight	List Price Each
		Primary Ohms	Secondary Ohms		
* ST-11	Driver	20,000	1,000	1/4 oz.	\$1.20
* ST-12	Input	100,000	1,000	1/4 oz.	1.30
† ST-13	Input	200,000	1,000	3/8 oz.	1.50
† ST-14	Input	500,000	1,000	1/2 oz.	1.50
† ST-21	Driver	10,000	2,000CT	1/2 oz.	1.30
† ST-31	Output	500CT	3.2	1/2 oz.	1.00
† ST-32	Output	1,000CT	8	1/2 oz.	1.00

* Overall Size: 3/4" x 5/8" x 13/16" † Overall Size: 13/16" x 5/8" x 3/4"

COMPACT WAFER TYPE VARIABLE TUNING CONDENSER



Single Gang

365 to 400 Mmfd.

This tuning condenser is a marvel of compactness. Requires only 9/16" behind panel. Overall 1 1/2" square, with standard 1/4" knob shaft, 3/4" long. Interleaved insulation prevents shorting between plates.

Specially Adaptable to Transistorized Circuits

No. 1946GList, Each \$.90

No. 1947G 50 Mmfd List, Each \$.90
 No. 1948G 100 Mmfd List, Each .90

SUB MINIATURE VARIABLE CONDENSER



1 gang 365. Mmfd. Suitable for clockwise or counter-clockwise rotation. Overall 1" square. Depth 3/8". Supplied with standard 1/4" knob shaft, 1" long including bushing. Panel mount, interleaved insulation prevents shorting between plates.

No. 1949GList \$.85 ea..

BROADCAST COIL



Compact, for Transistorized Circuits

This Litz-wound Hi-Q coil is specifically designed for the Broadcast Band from 550 to 1600 Kc., and matches our No. 1946G tuning condenser shown above. Can be mounted right on the condenser itself. Only 11/16" diam., 1/4" thick.

No. C-110.....List Price \$.40



ANGLE BRACKET

Provides correct mounting for our No. 1946G tuning condenser shown above. Made of cadmium plated steel, this bracket measures 1-5/16" H x 1-3/16" D.

No. B-111.....List Price \$.17

MIDGET 1 1/2-INCH PM SPEAKER

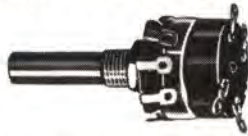


1 1/2" Diameter x 15/16" deep. Tiniest loudspeaker made, affords high quality sound! The magnet weighs .5 oz., is made of Alnico V, and is mounted in a speaker pot cover. The speaker is adaptable to either 8 ohm or 3.2 ohm voice coil impedance. Can also be used as a tweeter for Hi-Fi Speaker systems.

No. 707List Price \$2.75

PLUS FEDERAL EXCISE TAX

MINIATURE VOLUME CONTROLS WITH D.P.S.T. SWITCH



For miniaturized transistor and tube circuit construction. All controls have audio (semi-log) taper. Mounts in 5/16" hole in panels up to 1/4" thick. Have 1/4" flatted shafts x 3/4" long. Supplied complete with mounting nut and washers. Body diameter 3/4" x 9/16" deep. Individually boxed.

No.	Resistance	List Price Each
PC64	5K Ohms	\$1.10
PC65	10K Ohms	1.10
PC66	100K Ohms	1.10
PC67	500K Ohms	1.10
PC68	1 Megohm	1.10

SUB-MINIATURE TRANSISTOR VOLUME CONTROLS WITH KNOBS



Extremely compact, ideal for transistorized circuits. Diameter of Control 3/8". Diameter of Knob 7/8". Depth of Control including Knob 1/2". SPST switch on controls can handle 1 1/2 volts @ 6 1/2 amps., or 45 volts @ 2 amps. Clear plastic dustproof cover. All controls individually packaged.

No.	Ohms	Switch	List Price
PC56	5000	SPST	\$1.00
PC57	5000	none	.70
PC58	10,000	SPST	1.00
PC59	10,000	none	.70
PC60	500,000	SPST	1.00
PC62	500,000	none	.70
PC61	1 megohm	SPST	1.00
PC63	1 megohm	none	.70

2" PM SPEAKER



2" x 2" x 1 1/8", overall size. 1 5/8" square mounting centers. .5 oz. alnico V magnet. 8 ohm voice coil, 100 milliwatt power rating. Ideal for miniaturized transistor applications and as a super tweeter for Hi-Fi speaker systems.

No. PM10A.....List Price \$2.85 ea.
plus F. E. T.

HIGH FIDELITY PHONO CABLE CONNECTORS

Furnished with gray molded finger-grip plugs, adaptable for connecting to most types of Hi-Fi equipment. Accommodates most types of Hi-Fi Amplifiers, Record changers, Speakers, Pre-Amplifiers and associated equipment, Sup-



JUMPER CABLES

Male RCA Type pin plug on both ends.

No.	Length	List Price
CA20	36"	\$.70
CA21	48"	.80
CA22	60"	.95
CA23	72"	1.05
CA24	120"	1.35

INPUT-OUTPUT CABLES



Male RCA type phono plug, one end, Standard Slim 2 way phone plug on other end. (our No. S623).

No. CA30 72" length List Price \$1.30



Male RCA type phono plug, one end, Standard bakelite portable in-line phone jack on other end. (our No. 5185).

No. CA31 72" length List Price \$1.40



RCA type molded finger-grip phono plug on one end, and vinyl insulated red and black Alligator Clips at other end.

No.	Length	List Price
319A	36"	\$1.00
319B	72"	\$1.25

20 OHM FADER CONTROL WITH KNOB



Used to control volume of rear seat auto speakers with tube or transistor radios, or any small speaker of 4, 8 or 16 ohm impedance. Supplied with protective back cover, knob, hex nut and washers. Diameter of control 1 1/8". 3/8" threaded bushing x 1/4" long. Shaft length 1/2" x 1/4" diameter.

No. W28.....List Price \$.65

plied with Gray single conductor shielded plastic covered cable. Available with the types of connector ends as listed below. Individually packaged in plastic bag.



EXTENSION CABLES

Male RCA type plug, one end. Female in-line plug on other end.

No.	Length	List Price
CA25	36"	\$.85
CA26	48"	.95
CA27	60"	1.05
CA28	72"	1.15
CA29	120"	1.45

HI-FI EXTENSION CORD



72" shielded rubber covered cable; one end has standard slim male phone plug (our #S623), other end has bakelite portable in-line phone jack (our #5185).

No. SA11 List Price \$1.50

RCA TYPE DUAL JACK



Only 1 5/8" long, this compact dual jack connects two cables with RCA pin type plugs. Black bakelite barrel with RCA type in-line jack at either end.

No. SA13 List Price \$.40
(See Additional Listings on Page 35)

3 SPEAKER 7 WAY WALL PLATE SPEAKER SELECTOR SWITCH



Selects any combination of three separate Hi-Fi speaker systems. Selects speakers 1, 2, or 3 separately, or 1 and 2, 2 and 3, 1 and 3, or all three together. Screw terminals are marked for amplifier and speaker connections. Supplied pre-mounted on brass wall plate to fit into standard wall switch box.

Individually boxed including wiring and mounting instructions.

Size: 4 1/2" x 2 3/4" x 1 1/2" deep

No. 355.....List Price \$2.25
(See Additional Listing on Page 36)

Philmore

IMPORTED ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

2 1/2-INCH CONE TYPE TWEETER



Maximum power 20 watts. Provides true high fidelity reproduction of upper audio range: 3000 to 16000 CPS. 2 7/8" diameter, 2" deep. Heavy screen protects speaker cone. Entirely closed back. Rigid mounting bracket. Attractive gold finish.

No.	Impedance	List Price
AT1	8 ohms	\$5.50
AT2	16 ohms	5.50

2 1/2-INCH CONE TYPE TWEETER



Handles up to 20 watts of audio power, with frequency range 3000 to 17000 CPS. Built-in crossover network. Mounting bracket with 2 mounting holes is attached. Metallic grey finish housing. 3-ft. twin rubber covered cord is included. Extra vertical, adjustable bracket suitable for flush mounting against baffle supplied complete with hardware. Voice coil impedance 16 ohms. Size 2 3/4" dia. x 2 1/4" deep. Individually boxed.

No. PH300 List Price \$8.25

2-WAY CROSSOVER NETWORK



Designed to balance the highs and lows of a tweeter and a woofer. Enclosed in metal case, with mounting holes. Includes mounting hardware.

FEATURES:
Crossover Frequency: 2500 and 5000 cycles.
Impedance: 16 ohms.
Attenuation: 6 db. per octave.
Size: 2 3/4" high x 2 1/2" diameter.
Individually boxed.

No. LC100 List Price \$11.25

2" CONE TYPE HIGH FREQUENCY TWEETER

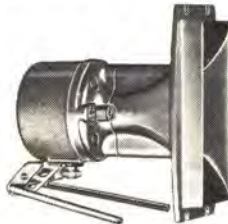


Easy to install. Supplied with a complete set of mounting brackets and hardware. Features:

25db down at 1000 cycles
10db down at 2000 cycles
Frequency Response: 3000-20000 CPS
Voice Coil Impedance: 8 ohms
Individually boxed
2 3/4" dia. x 1 3/4" depth

No. PH200 List \$ 5.50 ea.

RECTANGULAR HORN TWEETER



Dual mounting — either externally on stand supplied with unit, or internally into a speaker system. Aluminum wound voice coil 8 ohm impedance. Will handle up to 20 watts. Exceptionally smooth speaker response from 1700 to 16000 CPS.

Crossover frequency: 4000 CPS
Cutoff frequency: 1500 CPS
Finish: Satin Gold and Grey with Chrome trim.

Horn size: 4" x 1 3/4" x 3" Depth
Weight: 2 lbs.

Individually boxed including instructions.

No. AT3 List Price \$ 20.15

3 WAY CROSSOVER NETWORK



Designed for either 8 ohm or 16 ohm systems. Separate L-Pad adjustments for tweeter and mid-range speakers to balance efficiencies. Can also be used for 2 way speaker systems.

Crossover frequencies: 500 and 3300 CPS with an attenuation of 6 db/octave
Supplied in metal cabinet beautifully finished in gold with black trim and knobs.
Cabinet rests on soft rubber feet.
Size of cabinet: 6" wide x 3" high x 4 3/4" deep including knobs.

Individually boxed including instructions.

No. AN3 List Price \$19.50



2 1/2" CONE TYPE HIGH FREQUENCY TWEETER

Includes permanently attached mounting bracket. Also supplied with 3 feet twin rubber covered cord to simplify the installation. Features:

Frequency Response: 1500-15000 CPS
Voice Coil Impedance: 16 ohms
Fully enclosed with protective front screen. Individually boxed.
3 1/8" dia. x 2 1/8" depth.

No. TW25 List \$9.00 ea.



8" COAXIAL HI-FI SPEAKER

Includes built-in high pass filter. Construction is rugged to insure trouble free performance indefinitely. Features:

Voice coil: 6-8 ohms
Resonant frequency: 60-65 CPS
Frequency response: 45-16000 CPS
Maximum power output: 15 watts
Tweeter: 2 1/2". Acoustically independent tweeter

Individually boxed

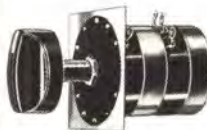
No. PX8A List \$27.75 ea.



"L" PAD LEVEL CONTROLS

Designed to adjust and match levels of two or more speakers in system. Brown plastic contour knob. Dial plate calibrated 0 thru 10, 2 1/8" square, finished in matte silver and black. Mounts in 3/8" hole in panel. Bushing 3/4" long.

No.	Impedance	List Price
LP8	8 ohms	\$2.75
LP16	16 ohms	2.75



STEREO "L" PAD LEVEL CONTROLS

Designed to adjust and match levels of two separate speaker systems in a stereophonic set-up. 2 1/8" dial plate calibrated 0-10 finished in matte silver and black is supplied. Mounts in 3/8" panel hole. 1" long threaded bushing complete with mounting nuts. Includes brown plastic contour knob. Available in 8 ohm or 16 ohm.

No. SLP8	8 Ohm	List Price \$ 4.70
No. SLP16	16 Ohm	List Price 4.70

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

FREE "JEWEL-CASE" BOX

All Cartridges shown on this page are individually packaged in transparent plastic box with hinged cover.



PHONO CRYSTAL CARTRIDGE



Supplied with 2 Mil all purpose sapphire needle, for LP and SP records. Has 5 volt output. Ceramic construction provides protection against heat and moisture. Has bracket for 1/2" mounting centers. Individually boxed.
No. CX313 List \$3.00 ea.

PHONO CRYSTAL PICKUP



Contains the CX313 crystal cartridge as described above. Includes arm rest and hardware. Threaded bushing 3/4" long x 1/2" diameter. Arms are made of aluminum alloy for light weight. Gray hammertone finish. Spring counter, balanced arm. Individually boxed.
No. C313 List \$4.50 ea.

CRYSTAL PHONO CARTRIDGE



Crystal cartridge with single sapphire needle. Ideal replacement for RCA 45RPM record players, etc. Comes packaged in individual clear plastic box.
No. 60L List \$2.00 ea.

TURNOVER CRYSTAL CARTRIDGE



For use with automatic record changers. Supplied with two sapphire needles (1 mil and 3 mil) suitable for all record speeds. Cartridge has two sets of standard 1/2" mounting holes to permit mounting from front shaft or side ear. Mounting bracket is 2 1/8" long. Solder lugs are provided. Frequency response 50 to 10,000 CPS, with 5-volt output. Individually packaged in clear plastic box.
No. CX304B List Price \$3.95

HI-FI TURNOVER CRYSTAL CARTRIDGE



Supplied with two sapphire needles (1 and 3 Mil) Adaptable for all 4 speeds. Frequency response 30 to 11,000 CPS. 6 volt output. Standard 1/2" mounting holes. Ideal replacement for most record changers and players. Individually boxed.
No. CX401 List \$3.50 ea.

HI-FI TURNOVER CRYSTAL CARTRIDGE WITH TONE ARM



Contains the CX401 cartridge as described above. Includes arm rest and hardware. Spring counter balanced arm. Needles are very easily replaceable. Individually boxed.
No. C401 List \$4.80 ea.

(See Additional Listing on Page 36)

TURNOVER CRYSTAL CARTRIDGE



Popular replacement for V.M., Webster and many other record players. Frequency response 50 to 10,000 CPS. Output: Long Play 1.2 volt; Standard 1.4 volt. Equipped with two sapphire needles (1 mil and 3 mil) for long play micro groove and standard records. Individually packaged in clear plastic box.
No. CX305 List Price \$3.75

PILLOW SPEAKER



Bone conduction type magnetic receiver. Low impedance type for connection to voice coil side of output transformer, eliminating high voltage on connecting wires, as in conventional high impedance crystal type units. Automatically cuts out speaker when plugged in. Supplied complete with midget plug and two circuit jack assembly, and simple wiring instructions.
Size: 2 1/2" Diameter x 1 1/16" Thickness
Weight: 9 ounces

No. R-49 List \$ 3.75 ea.

3-SPEED CRYSTAL CARTRIDGE



Frequency response 50-6500 cps. 3.5 volt output, standard 1/2" mounting holes. Has screw-type chuck for conventional needles. Individually boxed.

No. SC-2 List \$1.65 ea.

UNIVERSAL PHONO CRYSTAL CARTRIDGE



Uses single needle. Adaptable for all three speeds. Frequency response is 50-8000 CPS. Has 4 volt output. Standard 1/2" mounting centers. Provided with screw type chuck for installing needles. Less needle. Individually boxed.

No. SC5 List \$1.60

UNIVERSAL 3-SPEED TURNOVER CRYSTAL CARTRIDGE



Equipped with two sapphire needles (1 and 3 mil). One needle is for 33 1/3-45 RPM, the other is for 78 RPM records. Frequency response 40 to 12,000 CPS. Needle Pressure: LP, 8 gr., SP, 8 gr. Standard 1/2" mounting holes. Includes 15" length of flexible shielded phono wire which has solderless standard connections to crystal. Individually packaged in cardboard box.
No. 30LS List \$5.00 ea.

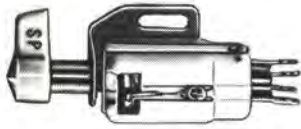
STEREO CARTRIDGE WIRE CONVERSION CABLE KIT



Consists of 4 color coded extremely flexible twisted wires encased in a flexible braided shield 2 foot long. Four cartridge clips attached at one end, other end stripped and tinned. Designed for use with 4 wire stereo cartridges to convert monaural tone arms for stereophonic recordings. The design of the cable insures lowest possible hum with Magnetic and Reluctance stereo cartridges. Packed individually in plastic box.

No. 5W10 List Price \$.55 ea.

STEREOPHONIC CRYSTAL TURNOVER CARTRIDGE



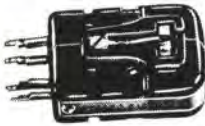
Designed for the playback of all types of records, both monaural (LP) and the new stereophonic recordings. Includes two sapphire needles.

Response: 40—13000 CPS
Output: .4 volts, 4 lead output
Channel Isolation: More than 20 db at 1000 CPS

Recommended load: 2 Megohms
Moisture proof crystal elements. Universal 1/2" mounting centers. 3 position turnover with neutral position to prevent stylus damage during storage or transport.

No. PC75STL.....List Price \$4.60 ea.

STEREO CRYSTAL CARTRIDGE



4 wire single stylus crystal cartridge for stereo recordings, compatible with LP monaural recordings.

Specifications:

Output voltage: 0.12 Volts
Required load: 2 Megohms plus
Frequency Response: 30 to 13000 CPS
Channel Isolation: greater than 20 db
Channel Balance: ± 2 db
Stylus: 0.7 Mil Sapphire
Mounting Centers: 1/2"
Dimensions: 1/2" high x 23/32" wide x 1/8" long

Packed individually in plastic box.

No. CX400.....List Price \$4.50

NEEDLE MICROSCOPE



Compact optical microscope for examination of Stylus tips, record grooves, etc. Magnifies 50 times. Front barrel threaded for fine focusing. Supplied with pocket clip for easy carrying. Size 1/2" diameter x 3 3/4" long. Finished in black wrinkle with nickel plated trim.

No. 50X.....List Price \$1.50

CAMEL HAIR RECORD BRUSH



Clips to most pickup arms, automatically cleans record grooves ahead of stylus. Soft camels' hair will not scratch the most delicate record surface. Individually packaged.

No. CHB1.....List Price \$.27

LP PHONO STYLUS



1 Mil sapphire stylus. Replacement for our type Nos. CX401, C401, PC75STL, and many other LP cartridges. Packed individually on cellophane wrapped card with protective window.

No. SLP1.....List Price \$.75

STYLUS PRESSURE GAUGE



Accurately measures stylus pressure on records, for minimum record wear and distortion. Range 0-30 grams. Made of light weight aluminum alloy with steel pivot points. Finish black and aluminum. Individually boxed.

No. PG21.....List Price \$1.50

CRYSTAL EARPHONE



Miniature type, high impedance, supplied with our No. 702 sub-miniature plug and single closed circuit jack attached to 3/2 foot plastic cord.

No. TR431.....List Price \$1.45 ea.

MINIATURE DYNAMIC EARPHONE



Extremely compact, featherweight, equipped with comfortable wire earframe, 3 1/2 foot detachable cord and miniature plug and jack. Individually packaged in plastic box. 15-ohm impedance.

No. P6

List Price \$2.75

LIGHTWEIGHT DYNAMIC EARPHONES



Ideal for private listening on transistor sets, hearing aids, radio sets and TV sets. These compact earphones are equipped with slim metal ear support for completely comfortable listening. Two plastic removable earplugs are supplied (one large for adults, one small for children). A miniature phone plug and 3-ft. of flexible plastic cord are included. Individually packaged in vinylite bag.

No.	Impedance	List Price
P7	8 ohms	\$1.40 ea.
P8	15 ohms	1.40 ea.
P9	1000 ohms	1.50 ea.
P10	2000 ohms	1.50 ea.

STEREOPHONIC "UNDER-CHIN" CRYSTAL HEADPHONES



Stethoscope type headset, with two separate matched earphone channels; sound is guided thru two spring loaded lightweight flexible plastic tubes, for true hi-fi stereophonic reproduction. Includes two matching miniature plugs and single closed jacks attached to 3-ft. phone cord.

SPECIFICATIONS:

High impedance, 70,000 ohms at 1 Kc.
Frequency response 70 to 15,000 CPS.
Weight 2 oz. Individually boxed.

No. SA15

List Price \$3.75

Philmore

IMPORTED ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

DOUBLE HEADPHONES

2000 Ohms and 4000 Ohms Impedance



Superlative value! This ruggedly built, light-weight headset is practically indestructible. Double, high flux magnet, highly polished bakelite shell and cap. Supplied with adjustable headband. High impedance of these phones provides very sensitive performance. Equipped with 5-ft. tinsel braided cord.

No. 2263—4000 ohms impedance
List, per pair \$4.30
No. 2264—2000 ohms impedance
List, per pair \$4.15

DYNAMIC EARPHONE (Miniature Type) FOR TRANSISTOR RADIO CIRCUITS



These phones are constructed of high quality parts and contains a powerful magnet which provides much more volume than other types of dynamic earphones. Designed for all types of transistor circuits where a superior performance earphone is required. AC impedance 6000 ohms, D.C. resistance 2000 ohms. Snap on earpiece readily removable for cleaning. Also includes rubber earpiece, which fits over the snap on portion of the earphone. Supplied complete with 3 ft. detachable plug-in cord. Also includes a miniature type plug to fit the miniature type jacks.

No. B407List \$4.60 ea.

CRYSTAL EARPHONE



Molded plastic shell, Miniature type. Furnished with comfortable fitting plastic ear holder for use on either ear. Equipped with 46" plastic covered cord. High impedance, ideal for many applications; crystal element. Individually packed in attractive clear plastic box.

No. 35R

List \$1.10 ea.

CRYSTAL EARPHONE — MICROPHONE COMBINATION



Molded plastic miniature earphone. Equipped with 7 ft. plastic covered cord. When the nipple on the High Impedance phone is removed, and the wire attached to any standard radio set, the earphone converts to a high impedance crystal microphone. A removable threaded outer plastic cone is furnished which when added to the microphone improves the acoustical audio efficiency. Net weight—2 ounces.

No. TO-100List \$2.00 ea.

SINGLE EARPHONE



Rugged bakelite base and ear cap. Double high flux magnets. Magnetic type, 1000 ohm impedance. Equipped with 5-ft. cord, less headband.

No. 5P5.....List \$1.75

No. HB—Headband for above..List Price \$.55

CRYSTAL HEADSET



High impedance under-the-chin lightweight headset, provides the utmost in listening comfort. Ideal for all applications where a high impedance unit is required. Supplied with 7 ft. cord. Net weight 1½ ounces.

No. 749List Price \$2.25

MAGNETIC EAR CHANNEL PHONE



A triumph of ingenious design! This clever earphone has protruding nodule which engages the helical channel of the outer ear. Holds phone firmly, with complete comfort! Sturdy, light plastic construction, equipped with 5-ft. plastic covered cord. Magnetic type, 1000 ohms impedance.

No. 745.....List \$2.35

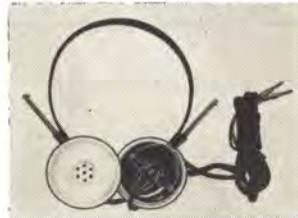
CRYSTAL EARPHONE



Molded plastic shell, miniature type, fits comfortably into the ear. Equipped with 5-ft. plastic covered cord. High impedance, ideal for many applications; crystal element.

No. 748List Price \$.95

DOUBLE HEADPHONE



2000 ohm Impedance. Supplied with adjustable headband. The high impedance of these phones assures very sensitive performance. The flexible braid covered cord is 3½ ft. long with standard phone tips. Highly polished bakelite cap and shell. Weight—4½ oz.

No. 5F200List \$ 2.80

8-OHM MAGNETIC EARPHONE



Hearing-aid type. Equipped with 5-ft. plastic covered cord and headband. Sturdy, light plastic construction. The 8-ohm impedance makes this earphone suitable for individual hearing on a television or radio set.

No. 746List Price..\$2.25

MAGNETIC EARPHONE



Miniature type, plugs directly into ear. Equipped with 5-ft. plastic covered cord and headband. Sturdy, light plastic construction. 1000 ohm impedance. Ideal for use with miniature sets.

No. 743List \$2.25

Philmore

IMPORTED ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!



BULLET SHAPED CRYSTAL MICROPHONE

Uni-directional. Housed in a light brown plastic case, with blue mask. Supplied with 5-foot plastic covered shielded cable. Very popular for Amateur use, Public Address and Home Recording. Includes adaptor for microphone stand. Frequency response 70 to 8000 C.P.S. Size 2 1/4" diameter x 3 1/4". Net Weight 7 oz.

No. MC10List Price \$7.00

BULLET SHAPED CRYSTAL MICROPHONE

Uni-directional. Housed in a light brown plastic case, with bronze mask. All other specifications are the same as Model MC10, except net weight is 10 oz.

No. MC40List Price \$7.75

CHARACTERISTICS OF MODELS MC10 AND MC40

- Output Level:—50 db, High Impedance.
- Noiseless and no hum induction.
- Additional shielded cable doesn't affect microphone performance.
- Moisture-proof.
- Sturdy construction, easy to handle.

CRYSTAL MICROPHONE DM 24B



UNIVERSAL LAPEL TYPE WITH REMOVABLE HANDI-STAND (Uni-Directional)

Ideal for amateur use, and especially popular for close talking applications. This unit is supplied with a detachable handle, which when removed becomes a Lapel Microphone. Furnished with 3 feet shielded plastic covered cable and lapel spring clip. Microphone and handle are chrome plated finish. Includes stand adaptor on handle for mounting to floor stand.

Frequency Response from 70 to 9500 C.P.S.
Size of Microphone—2" diameter x 7/8". Size of Handle—5/8" diameter x 2 1/2" long. Net Weight with Handle—5 ozs. Net Weight less Handle—2 ozs. Output Level—Minus 63 db.
No. DM24BList Price \$6.75

CRYSTAL MICROPHONE

MC50



HAND TYPE (Uni-Directional)

Designed for mobile P.A. systems and announcing, molded plastic case with hook ring for hanging, gray finish. Supplied with 5 foot gray, plastic covered shielded cable.

- Frequency Response from 60 to 9000 C.P.S.
- Size—3 1/2" x 2 3/8" x 3/4"
- Net Weight — 5 ounces

No. MC50List Price \$7.00

MC90 CRYSTAL MICROPHONE

LAPEL TYPE (Uni-Directional)



Gives crisp, clear speech reproduction. Specially designed and widely used by lecturers, instructors, speakers, etc. Furnished with lapel spring clip and 6 1/2 foot gray plastic covered shielded cable. Chrome plated finish.

- Frequency Response from 70 to 8000 C.P.S.
- Size—1 5/8" diameter x 11/16"
- Net Weight — 1 1/2 ounces

No. MC90List Price \$4.15

CRYSTAL MICROPHONE

MC60



DESK TYPE (Uni-Directional)

Has many uses, excellent for Tape Recording, Public Address Systems, Hams, etc. Although microphone needs no extra stand, an adaptor is provided for mounting to a floor stand. Brown plastic case. Supplied with 5 foot gray plastic covered shielded cable.

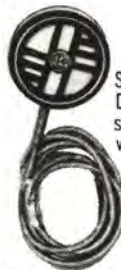
- Frequency Response from 70 to 8500 C.P.S.
- Size — 3" x 2 3/8" x 1 1/8"
- Net Weight — 4 ounces

No. MC60List Price \$6.25

CHARACTERISTICS OF MODELS MC50, MC60, MC90

- Output level minus 50 db
- High impedance
- Noiseless and no hum induction
- Additional shielded cable doesn't affect mike performance
- Moisture proof
- Sturdy construction, easy to handle

M 55 CARBON MICROPHONE, LAPEL TYPE (UNI-DIRECTIONAL)



Suitable for mobile P. A. systems, Civil Defense, Hams etc. Supplied with Lapel spring clip. Black plastic case. Furnished with 3 1/4 feet shielded cable. Size—1 1/2"

diameter x 3/4". Net Weight — 1 1/2 ounces. Frequency response from 90 to 10000 C. P. S. plus or minus 10 db.

- FEATURES • Very sensitive • Output level plus 10 db. • Load Resistance to 10 K ohms, current 2 m. a.

No. M55List Price \$2.25

PUSH-TO-TALK SINGLE BUTTON CARBON MICROPHONE



100 ohms, featuring high intelligibility speech transmission. This microphone is housed in a brown plastic case, and is equipped with 5-ft. plastic covered shielded cable providing three leads. It features an internal built-in double pole "press-to-talk" switch. The multi-function switch simultaneously closes the microphone circuit and a separate pair of contacts

(brought out by the grey wire and the common shield wire). This separate switch circuit may be used to activate a relay which in turn can perform a multitude of functions, such as automatically turning on the plate power of either a public address system or a mobile radio transmitter. This is a highly desirable feature for mobile operation, to conserve the storage battery.

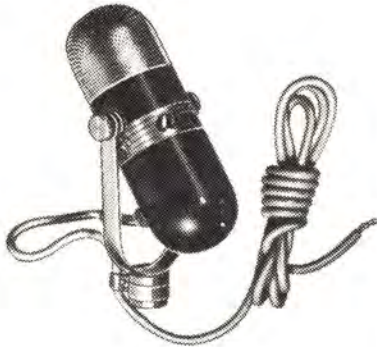
- Frequency response from 100 to 8000 CPS ± 10 db.
- Size: 2 3/8" diam. x 3 3/8" long.
- Output Level: — 10 db.
- Load Resistance: 100 ohms, current 50 Ma.
- Net Weight with cable: 4 oz.

No. M63LList Price \$7.50

PUSH TO TALK SINGLE BUTTON CARBON MICROPHONE

10,000 ohms, supplied with switch. All other specifications exactly same as above.
No. M64HList Price \$7.50

DYNAMIC MICROPHONE STUDIO TYPE



Omni-directional. Suitable for tape recording orchestras, voice, conference groups and wherever wide range sensitive pickup is required. Mounting thread 5/8"-27. Supplied with 4 feet plastic covered microphone cable. Individually boxed.

Sensitivity: -71 db
Impedance: 50K ohms
Frequency Response: 70-9000 C.P.S.
Dimensions: Width 2 1/2" x Height 5 1/2"
Finish: Chrome and Metallized Grey
Weight: 11 ounces
Individually boxed

No. DM17.....List Price \$21.75 ea.

SLIM CRYSTAL MICROPHONE



Popular all-purpose microphone, can be used as a hand mike, lavalier mike, or on desk or floor stand. As lavalier mike it rests comfortably on the chest, permitting free use of hands. Lavalier cords and bracket are included. A chrome finished swivelled mike holder is supplied for desk or floor stand use, threaded 5/8"-27. Detachable 6-ft. shielded plastic cable. Built-in on-off switch. Satin chrome finish. Frequency response 100 to 9000 CPS, Output level -52 db. High impedance. Individually packaged.

No. 100C.....List Price \$7.70

CRYSTAL MICROPHONE



Omni-directional studio type crystal microphone, suitable for conference groups, PA, tape recordings, etc. Dual phased crystal units, vertically mounted. Mounting thread 5/8"-27. Supplied with 4 feet plastic covered microphone cable.

Sensitivity: -52 db
Impedance: 500 K Ohms
Frequency Response: 80 to 8000 CPS
Finish: Chrome and black
Dimensions: Width 3" x Height 7"
Weight: 11 ounces

No. M18.....List Price \$13.20

DYNAMIC MICROPHONE WITH STAND



Wand type, omni-directional. Suitable for tape recording voice, instrumentalists, and broadcasting, public address etc. Built-in on-off slide switch. Supplied with weighted desk stand, chrome finished swivelled mike holder, and 4 foot removable plastic covered microphone cable.

Sensitivity: -70 db
Impedance: 50K Ohms
Frequency Response: 70 to 9000 CPS
Finish: Chrome and black
Dimensions: Width 1 1/4" x Height 7 1/2"

Weight of Microphone: 10 ounces
Weight of Stand: 1 lb.
Individually boxed

No. DM10.....List Price \$21.50

DYNAMIC MICROPHONE WITH SWIVEL STAND



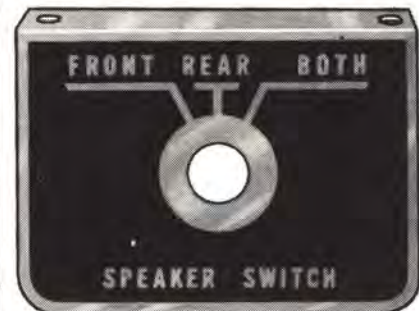
Desk type, omni-directional. Suitable for tape recording voice, instrumentalists, and broadcasting, public address etc. Supplied with swivel base desk stand, adaptor for 5/8"-27 thread for floor stand and 8 foot plastic covered microphone cable. Base has rubber ring to protect table surfaces.

Sensitivity: -70 db
Impedance: 50 K Ohms
Frequency Response: 60 to 12000 CPS
Finish: Blue mist metallic lacquer with chrome trim
Dimensions: Width 2" tapered x Height including stand 9"

Weight of Microphone: 1 lb. 2 ounces
Weight of Stand: 2 1/4 lbs.
Individually boxed

No. DM7.....List Price \$27.00

DUAL SPEAKER SWITCH ASSEMBLY



For Auto Radios

Complete kit contains all components needed for switching between dual speakers, such as auto radio rear and front. Included are: wired switch, mounting bracket, knob, one 15-ft. green wire, one 2-ft. red and one 2-ft. blue wires. Attractively packaged in display box, with complete instructions.

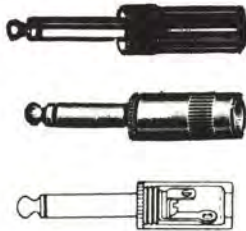
No. S611.....List Price \$1.25

Philmore

IMPORTED ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

SHORT SLIM PHONE PLUGS



Suitable where minimum space is required. These plugs are ideal for Public Address Systems, Transmitters etc. Supplied with red or black ribbed bakelite barrel, or shielded barrel. Two conductor solder lug terminals. All parts nickel plated. Fits all standard type jacks.

Length of barrel — 1 1/4"
Diameter of barrel — 1/2"
Overall length — 2 1/2"

No. 522W Red or Black Plug
(please specify color) List \$.35 ea.
No. 522WS Shielded plugList \$.55 ea.

LONG SLIM PHONE PLUGS



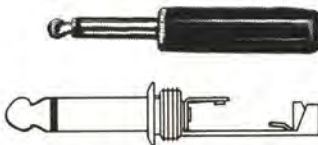
A compact plug for panel mounting space economy. Has two screw type terminals. Supplied with red or black barrel, or shielded barrel. All parts nickel plated. Fits all standard type jacks.

Length of barrel — 1 5/8"
Diameter of barrel — 1/2"
Overall length — 2 7/8"

No. 523W Red or Black Plug
(please specify color) List \$.35 ea.
No. 523WS Shielded PlugList \$.55 ea.

(See Additional Listing on Page 36)

SLIM PHONE PLUGS



Solder lug type with cable clamp terminal. Similar to the PL55 plug, except without screws. Supplied with Red or Black bakelite barrel. All parts nickel plated. Fits all standard type Jacks.

Length of barrel — 1 5/8"
Diameter of barrel — 1/2"
Overall length — 2 7/8"

Red or Black Plug (please specify color)
No. 5623 List Price \$.35 ea.

2-CONDUCTOR SHIELDED DOUBLE PHONE PLUG



Brass, nickel plated. Supplied with fibre insulating tube. Will fit all standard jacks. Diameter of barrel 5/16". Overall length 3 3/8"
No. 5175List Price \$.70

SUBMINIATURE PLUG AND JACK



Phone plug for thin 2-conductor cable. Length of plug is 1 1/8". The single closed circuit jack mounts in 1/4" hole, into panels up to 1/8" thick. Supplied as a set.

No. 702 List Price, per set \$.25

BAKELITE DOUBLE PHONE PLUG



Has sure-grip Molded Bakelite Ribbed Barrel for greater ease in handling. Fits all standard size telephone type jacks. Will take two sets of Cord tips. Supplied in Black or Red.

No. 516List Price \$.35

SUB-MINIATURE PHONE PLUG & JACK COMBINATION



Consists of a two-conductor phone plug and single closed circuit jack. Especially suitable for small radios, recorders, musical equipment, etc. Plug length overall: 1-1/2", barrel diam.: 3/8". Plugs available in red, black or ivory.

No. 501 List Price, per set \$.45

SHIELDED SUBMINIATURE PHONE PLUG & JACK COMBINATION. Similar to above, but phone plug has Shielded nickel plated barrel.

No. 115 List Price, per set \$.60

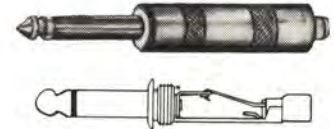
ULTRA-MINIATURE PLUG & JACK COMBINATION



Consists of 2-conductor plug, overall length 15/16", barrel diam. 5/16"; with matching single Closed Circuit Jack. Plugs available in Red, Black or Ivory.

No. 660List Price, per set \$.25

SHIELDED PHONO PLUG TO PHONE PLUG ADAPTER



Brass nickel plated barrel. Has RCA-type phono jack at one end, standard 2-way phone plug at other end. Overall length 3 1/8".
No. 112List Price \$.65

BAKELITE PORTABLE JACK



Two conductor single open circuit jack. Overall size: 1 5/8", diameter 3/4".

No. 5185List Price \$.35

MIDGET JACKS SINGLE CIRCUIT



Small compact size. Will fit all standard size phone plugs. Mounts in single 3/8" diameter hole, on panels up to 5/32" thick.

No. 2283J Single open circuit List \$.30 ea.
No. 2284J Single closed circuit List \$.35 ea.

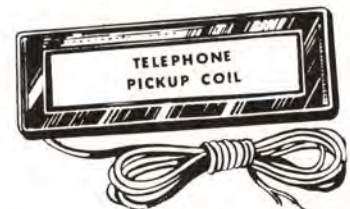
SUB-MINIATURE SINGLE CLOSED CIRCUIT JACK



Mounts in 1/4" hole, into panels up to 1/8" thick. Complete with nut and washer.

No. SC72List Price \$.17 ea.

TELEPHONE PICK-UP COIL



Compact magnetic induction coil that can enable anyone to record a two way telephone conversation. No connection to telephone necessary. Can work with any type of home recorder or amplifier. Housed in molded case.

Size—4 1/2" long x 1 1/2" wide x 1/4" thick. Individually boxed.

No. M80List \$2.50 ea.

(See Additional Listing on Page 36)

CODE PRACTICE SET



A complete code practice system, comprising our #B53 Telegraph Key and our #HF20 Buzzer, compactly mounted on a solid molded phenolic base. Terminals for earphones are provided. Requires only a single 1½-volt battery. Screw adjustment provides variable tone.

No. CP250 Less Battery List Price \$2.70

(See Additional Listing on Page 35)

ALL PURPOSE MINIATURE D.C. RELAY



This efficient, rugged, low-cost relay has many uses. It is ideal for hobbyists and experimenters, highly sensitive, suitable for hobby model transmitters and receivers.

SPECIFICATIONS & FEATURES:

- 5000-ohm coil
- Relay is polarized (works on correct polarity DC only)
- Has Alnico V Magnet
- Adjustable SPDT coin silver contacts rated at 1 Amp.
- Trouble-free operation, Completely Encased in Plastic dustproof Cover.
- 3-Ma. pull-in current
- 2-Ma. drop-out current
- Dimensions: 1" x ¾" x 1⅜"
- Weight: 1 oz.
- Includes mounting screws

No. RL3

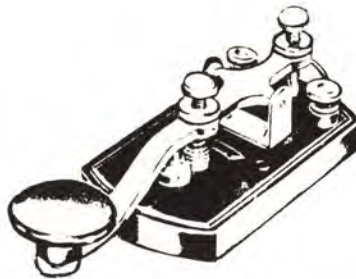
List Price \$5.00

TV TUBE SHORT-FIXER



Removes cathode to filament or cathode to grid shorts in TV picture tube. Comes with octal plug & 2 ft. vinyl shielded cable. Individually boxed. No. TE-108.....List Price \$2.00

TELEGRAPH KEY



Fully adjustable spring tension. Ideal for the beginner or ham. All metal parts are nickel plated. Mounted on molded phenolic base. Flat Navy type knob. Coin silver contacts.

No. B53List \$1.25 ea.

HIGH FREQUENCY BUZZER



Ideal for code practice, this buzzer has variable tone that is fully adjustable. Molded bakelite housing. Coin silver contacts. Requires only a single 1½-volt battery.

No. HF20

List Price \$1.40

AIRPLANE INSULATOR WHITE GLAZED



Egg-shape. Used on mobile and aircraft equipment. Also with guy wire for TV. Very high tensile strength and low loss. Minimum air resistance.

No. J852.....List Price \$8.35 ea.

2½" FLAT P.M. SPEAKER



Ideal speaker replacement for transistor sets. The overall height is only 1". The impedance is 10 ohms voice coil. Has heavy alnico 5 magnet. Individually boxed.

No. 708.....List Price \$3.00

PLUS FEDERAL EXCISE TAX

PRECISION VERNIER DIALS



Smooth friction vernier drive dials, with clearly etched numerals on professional-finish satin background. Calibrated over 180° reading from 0 to maximum setting by clockwise rotation. Planetary drive with 8 to 1 ratio. Precision brass and bronze parts are mounted in attractive black phenolic housing. Furnished with matching black phenolic knob. Surface mounting for ¼" shaft.

No.	Diameter		Reading	List Price
	Inches	MM		
S36	1½"	36	0 to 10	\$1.75
S50	2"	50	0 to 100	2.00
S70	3"	70	0 to 100	2.90

MALE AND FEMALE AC CONNECTORS



For all 110 volt AC applications. Ruggedly made, with easy handle grips, attractive Gray Bakelite housing. Rated at 10 Amps 250 Volts.

No. 414

List Price \$.25 Set

PHONE PLUG ADAPTOR



Adapts standard microphone plug to fit RCA phono jack. Consists of female microphone jack and RCA phono plug in fully shielded case. Individually boxed.

No. PJ.....List Price \$.70

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!



TEST LEADS with PHONE TIPS

Plastic Test prod handles $3\frac{1}{2}$ " long, $\frac{3}{8}$ " diameter, with extra long prods $1\frac{3}{4}$ " long, Red and Black. Equipped with 48" kinkless plastic covered leads, with insulated phone tips at other end. Phone tips fit standard American phone tip jacks.

No. 456List Price, per pair \$.65



TEST LEADS with BANANA PLUGS

Plastic Test Prod Handles, $3\frac{1}{2}$ " long, $\frac{3}{8}$ " diameter, with long $1\frac{3}{4}$ " prods. Supplied with 48" kinkless plastic covered leads, with standard insulated banana plugs at other end. These banana plugs are spring type, and will fit all standard American Banana Jacks. Supplied in Red and Black pairs.

No. 457List Price, per pair \$.70



TEST LEADS with SOLDERLESS PHONE TIPS

POLYSTYRENE HANDLES

Red and White Test Prod Handles made of semi-flexible plastic, very durable, $3\frac{3}{8}$ " long, with $1\frac{3}{4}$ " prods. Equipped with kinkless plastic covered 48" leads, having solderless phone tips at other end. Phone tips fit standard American phone tip jacks.

Red and Black Test Lead wire is fastened to both prods and phone tips by solderless connection, wire being held firmly under knurled nut. Supplied in Red and Black Pairs.

No. 582List Price, per pair \$1.25



TEST LEADS

Insulated Alligator Clips at each end. Equipped with 48" Kinkless Plastic Red and Black Leads, supplied in Red and Black pairs.

No. 462List Price, per pair \$.90



TEST LEADS

with
Finger Grip
Banana
Plug Tips

Plastic test prod handles $3\frac{1}{2}$ " long, $\frac{3}{8}$ " diam. Extra long prods. Molded plastic finger grip banana plug tips at other end. 48" plastic red and black leads. Banana plug tips fit standard American Banana jacks.

No. 459List Price, per pair \$.85



TEST LEADS

with
Finger Grip
Phone Tips

Plastic test prod handles $3\frac{1}{2}$ " long, $\frac{3}{8}$ " diam. Extra long prods. Molded plastic finger grip phone tips. 48" plastic red and black leads. Phone tips fit standard American phone tip jacks.

No. 458List Price, per pair \$.80



TEST LEADS

Insulated Alligator Clips and Insulated Banana Plugs. Equipped with 48" Kinkless Plastic Red and Black Leads, supplied in Red and Black pairs. Banana plugs will fit all standard American banana plug jacks.

No. 461List Price, per pair \$.90



TEST LEADS

Insulated Alligator Clips and Insulated Phone Tip Plugs. Equipped with 48" Kinkless Plastic Red and Black Leads, supplied in Red and Black pairs. Phone tips will fit all standard American phone tip jacks.

No. 460List Price, per pair \$.70

JUMPER TEST CORDS



5 pairs of jumper cords consisting of 10 leads, 14" long. Every lead has a miniature insulated alligator clip, at each end, making 20 clips in all. Colors of codes are: Red, Green, Black, Yellow and White. Ideal for servicemen and amateurs for testing purposes, repairs, experimenting etc.

No. 5A10List \$1.25 ea.



INSULATED PHONE TIP PLUGS

Plastic insulated handle $1\text{-}3/16$ " long with beaded edge. Overall length $2\text{-}1/16$ ". Fits all standard phone tip jacks. Cable opening $3/16$ ". Brass nickel plated plug Available in red and black. Please specify color.

No. 257List, each \$.11

(See Additional Listing on Page 36)



SPRING TYPE INSULATED BANANA PLUGS

Plastic insulated handle $1\frac{3}{8}$ " long with beaded edge. Plug portion is four-leaved nickel-plated spring, for firm positive contact in all standard American banana jacks. Overall length of plugs is 2". Available in red and black, please specify color.

No. 255List, each \$.14



SPLIT TYPE INSULATED BANANA PLUGS

Plastic insulated handle $\frac{3}{4}$ " long, cross slotted plug $\frac{3}{8}$ " long, overall $1\frac{1}{2}$ ". Wire connection is made by means of set screw in side of plug.

Fits all standard American banana type jacks, and is exactly interchangeable with equivalent American plugs. Supplied in Red and black, please specify color.

No. 2349-GList, each \$.10



INSULATED PHONE TIP JACKS

Completely insulated, these jacks take all standard American phone tips. Overall length of jack is $\frac{1}{8}$ ", with plastic insulated head, and insulating shoulder washer. Supplied with solder lug and hex nut. Mounts $\frac{1}{8}$ " hole. Red and black, please specify color.

No. 259List, each \$.14

(See Additional Listing on Page 36)



INSULATED BANANA JACKS

Accommodates all standard American banana plugs. Plastic insulated head with insulating shoulder washer, solder lug, and hex nut. Overall length $\frac{5}{8}$ ". Mounts in $\frac{3}{16}$ " hole. Red and black, please specify color.

No. 260List, each \$.12

PLASTIC TAPE KIT



Consists of 6 rolls of plastic tape in the following colors: Yellow, Red, Blue, Green, Black and Transparent. Each roll consists of 7 feet of tape 1/2" wide x .004" thickness, 4000 volt insulation. Each kit packed in handy transparent Plastic Case.

No. PTK

List Price \$1.10

COMBINATION INSULATED BINDING POSTS



Knurled grip, with jack to accommodate standard banana plugs built into stem. Overall length 1 3/4" when fully opened. Extends 5/8" above panel when head is screwed down. Fitted with 8/32" stud (9/16" long). Supplied with two hex nuts and solder lug.

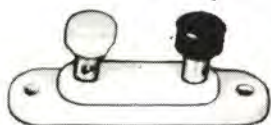
No. 227 Red or Black Binding Posts (please specify color)List \$.25 ea.

INSULATED BINDING POST TERMINALS



Knurled grip, removable head. Hole provided in stem for wire or phone tip connection. Overall length when fully opened 1". Supplied with hex nut and solder lug. Available in five assorted colors.

No. 117List \$.09 ea.



TWIN BINDING POSTS

All Molded Plastic. Both posts completely insulated. Mounting centers 1 13/16". Base is 2 3/16" long, 1 1/16" wide. Supplied with red and black knobs.

No. 121List \$.15 ea.

5 WAY HEXAGONAL BINDING POSTS



Industrial type, Multi Application, non-removable head with molded in brass stud. Mounts in 1/2" hole in panels, up to 1/4" thick. 5/8" overall diameter, Banana Plug receptacle, wire hole through post, solder lug or direct solder connection to bottom of stud. Rated 2000 Volts breakdown—30 Amps. Available in Red or Black (Please specify Color).

No. CA50

List Price \$.33

MIDGET INSULATED ALLIGATOR CLIPS



The compactness of this clip enables Radio and TV servicemen to work in close quarters. Sturdy steel jaws, with plastic red or black thumb rest and barrel. Overall length 1 3/8".

No. 263A Red or Black clips (please specify color)List \$.12 ea.

MIDGET RUBBER INSULATED ALLIGATOR CLIPS



Same specifications as the No. 263A clips, except that these are furnished with red or black removable rubber insulation. Overall length 2".

No. 265 Red or Black Clips (please specify color)List \$.18

INSULATED ALLIGATOR CLIPS



Equipped with screw, making it ideal for solderless connections. Overall length 2"; plastic insulating sleeve 5/8"

No.	Color of Sleeve	List Price per 100
10120B	Black	\$12.50
10120R	Red	\$12.50

TEST LEADS



With rubber capped special alligator clips and extra long prods. The alligator clips have special nose to fit directly into standard Banana Jacks. Plastic test prod handles 3 1/2" long, 3/8" diameter. 48" plastic red and black leads.

No. 969List Price \$1.00

RUBBER INSULATED ALLIGATOR CLIPS



With special nose to fit directly into standard Banana Jacks. Overall length 2 1/2". Solder type cable connection. Available in Red or Black. Please specify color.

No. 266List Price \$.24 ea.

ALLIGATOR CLIP



Nickel plated, with Screw connection. Strong spring with hard bite. 2" long. No soldering necessary.

No. 10120List \$7.50 per C.

ALL INSULATED ALLIGATOR CLIP



Cleverly constructed, compact, only 1 3/4" overall, and completely insulated, practically shock-proof. Solder lug connection. Supplied in Red and Black, please specify color.

No. K-23List \$.12 ea.

INSULATED ALLIGATOR CLIP



Sturdy steel jaws, with plastic insulated thumb rest and barrel. Overall length 2 1/2". Supplied in Red and Black, please specify color.

No. 264List \$.10

Philmore

IMPORTED ELECTRONIC COMPONENTS

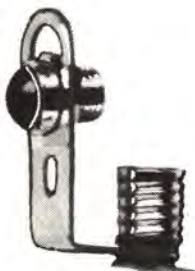
Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

9-VOLT TRANSISTOR BATTERIES



BL-006P—Flat type replacement for Eveready 216, RCA VS312, Ray-o-Vac No. 1604, Burgess No. 2U6. List Price \$.90 ea.
 CL-006P—Round type replacement for Eveready 226, RCA VS300, Ray-o-Vac No. 1600, Burgess No. P6. List Price \$.90 ea.

3/8 INCH JEWEL PANEL INDICATOR



Mounts in 5/16" diameter hole. Nickel plated, overall height 1 7/8", depth behind panel 1", takes standard miniature base pilot light. Smooth faced jewel, available in red or green. Specify color. No. 565. List, each \$.31

BAKELITE CONTROL KNOBS



Modern styling for Hi-Fi and Radio applications. Non-slip gripping surface. All knobs have molded-in brass inserts for 1/4" shaft. Supplied with set screw.

No.	Description	Diam.	Height	List Price Each
223	Brown knob with gold metal insert	1 1/4"	1 1/16"	\$.25
224	Brown knob with gold metal insert	1 1/8"	5/8"	.24
310	Black knob (large)	1 1/2"	7/8"	.50
311	Black knob (medium)	1 1/8"	1 1/16"	.40
312	Black knob (small)	1"	1 3/16"	.35
320	Grey knob (large)	1 1/2"	7/8"	.50
321	Grey knob (medium)	1 1/8"	1 3/16"	.40
322	Grey knob (small)	1"	1 3/16"	.35

Knobs No. 310 to 322 inclusive are supplied with white indicator line opposite set screw, and aluminum ring insert.

BATTERY HOLDER



Designed to accommodate 4—1 1/2 Volt standard Penlite Batteries. Sturdy construction. Has two mounting holes with 2" mounting centers. Specially designed for Transistor Radios and Model Airplanes. Also adaptable for many other uses. Batteries can be connected in series or paralleled or any combination.

No. J4P List \$.50 ea.

UNIVERSAL SOLDERLESS TEST LEAD KIT



35" rubber covered kinkless test lead wire pair, with heavy duty 5000-volt insulation, red and black. One end equipped with 4 1/2" plastic handle pin prods in red and black; other end has 2" plastic grip red and black banana plugs. Choice of interchangeable terminals, all slip directly onto banana plugs: two spade lug terminals, two color-coded alligator clips, two phone tips. Attractively packaged in handy compartmented plastic case with snap fastener.

No. 5A12 List Price \$ 1.80



BAR KNOBS

1 1/4" long, with Brass Inserts, equipped with set screw, to fit 1/4" shaft.

No. 277A Black Bar Knob with white indicator line List \$.11

No. 276A White Bar Knob with black indicator line List \$.13



BAKELITE KNOB

Ivory with gold ring and arrow on top, 1/4" shaft with set screw. Diameter of knob 3/4". Height 5/16".

No. KN22 List \$.14 ea.

BATTERY HOLDERS



For Dry Cell Batteries.

Sturdy aluminum construction.

No.	List
J55 For 1 Miniature Penlite Battery.....	\$.25
J56 For 2 Miniature Penlite Batteries.....	.40
J57 For 3 Miniature Penlite Batteries.....	.50
J58 For 4 Miniature Penlite Batteries.....	.75
J59 For 1 Regular Penlite Battery.....	.30
J60 For 2 Regular Penlite Batteries.....	.40
J61 For 3 Regular Penlite Batteries.....	.65
J62 For 4 Regular Penlite Batteries.....	.75
J63 For 1 Medium (Size C) Battery.....	.30
J64 For 2 Medium (Size C) Batteries.....	.45
J65 For 1 Large (Size D) Battery.....	.35
J66 For 2 Large (Size D) Batteries.....	.55
J67 For 1 22 1/2 V. Hearing Aid and Electronic Type Battery.....	.35
J68 For 2 22 1/2 V. Hearing Aid and Electronic Type Batteries.....	.50
J69 For 3 22 1/2 V. Hearing Aid and Electronic Type Batteries.....	.75

MULTIMETER



Handy pocket size, Multi-range test instrument. Size only 3" long x 2 1/4" wide x 1 1/4" deep. Contained in black bakelite case with rounded ends for convenience in carrying in the pocket. High sensitivity: 2000 ohms per volt wide view meter.

Ranges:
 AC and DC Volts—0-6; 0-30; 0-150; 0-600.
 DC Current—0-150 Milliampers
 Resistance—0-100,000 ohms

Includes 1.5 Volt Penlite Battery, and set of red and black test leads 2 feet long. Individually boxed including instructions.

No. M6 List Price \$ 19.00

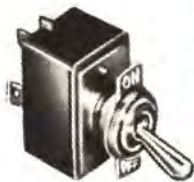
WHITE BAR KNOB



With brass insert, to fit 1/4" shaft. Equipped with set screw.

No. 278B List Price \$.15

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!



BAT HANDLE TOGGLE SWITCHES

Supplied with "on-off" plates. Molded bakelite case; rated 3 amp 250 volts, 6 amp 125 volts. Complete with two mounting nuts.

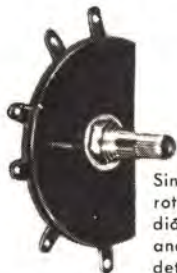
No.	Type	Shank	List, Each
219	S.P.S.T.	5/16"	\$.375
220	S.P.D.T.	5/16"	.40
221	D.P.D.T.	3/8"	.45



HEAVY DUTY S.P.D.T. & D.P.D.T. TOGGLE SWITCHES

Bat handle, plastic case. Supplied with very attractive red and black "on-off" plate. Rated 10 amps 125 volts, 5 amps 250 volts. Mounting centers 1 1/16". 3/16" shank.

No.	Type	List, Each
217	S.P.D.T.	\$1.70
218	D.P.D.T.	2.00



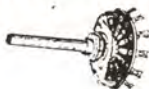
ROTARY SWITCH

Will Carry 6 Amps.

Single pole, six positions. 180° rotation. Shaft length 1/2" x 1/4" diameter. Includes mounting nut and washer. Exceptionally good detent action. Non-shorting type.

No. 229 List \$.35

1 GANG CIRCUIT SELECTOR ROTARY SWITCHES



Suitable for two and three band radios. Can also be used for other applications. Shaft length including bushing 2" x 1/4" diameter. Supplied with mounting nut.

No. 1882J—4 Pole 2 Position List \$.80 ea.
No. 1884J—4 Pole 3 Position List \$.90 ea.

D.P.D.T. TOGGLE SWITCH With Neutral Center



D.P.D.T. Toggle Switch with Neutral Center, Bat Handle, Molded bakelite case. Heavy duty type, screw terminals.

Rated 3 amps 250 volts, 6 amps, 125 volts. Supplied with large colored "on and off" plate, and two mounting nuts. 15/32" shank.

No. 226A List \$.80

KNIFE SWITCH DOUBLE POLE, DOUBLE THROW



Midget type knife switch, on black plastic base 2 3/8" x 1 1/2" x 3/16" thick. Nickel plated thruout, screw terminals. Ideal for radio, television and electrical applications.

No. 197 List, Each \$.35

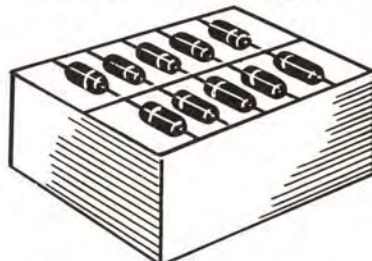
OIL IMPREGNATED TUBULAR CONDENSERS



In metal can with insulated plastic sleeve. Packed 50 to each box.

No.	Capacity Mfd.	Working Volts	List Price Per 100
E51	.001	600	\$10.00
E52	.002	600	10.00
E53	.005	600	10.00
E54	.01	600	11.00
E55	.02	600	12.00
E56	.05	600	16.00
E57	.1	600	18.00

KIT OF 50 OIL IMPREGNATED TUBULAR CONDENSERS



In Metal Can With Insulated Plastics Sleeves

Individually boxed kits, with each size individually packaged in plastic bag. Kit comprises ten each: .01, .02, .05 mfd 600v. and five each: .001, .002, .005, .1 mfd 600 v.

No. CK50 Kit of 50 Tubulars List Price \$6.25

BRASS COUPLERS



Overall length 3/4".
List Price Each

2083B 1/4" to 1/4" \$.20
2083C 1/4" to 3/8" .20



BRASS EXTENDER

1/4" to 1/4"

Overall length 1 1/8".

No. 2083A List Price ea. \$.20

FUSE MOUNT



Single fuse mounting base for 3AG fuses, with removable slide-on metal shield cover. Top chassis single hole mount. 1/8" thickness, molded bakelite base.

No. 107 List \$.08 ea.

DOUBLE FUSE MOUNTING BASE



For 3AG Fuses, with removable clear plastic cover. Top chassis two hole mount. Molded bakelite base 3/16" thick x 1 1/2" long x 1 1/4" wide.

No. 2P List \$.20 ea.

FOUR PRONG PLUG



Consisting of molded bakelite plug and threaded removable cover. For speaker or cable connections.

No. 475 List \$.12 ea.



500-FT. SPOOL TWIN COPPER STRANDED PLASTIC WIRE

Its flexibility makes it ideal for wiring installations on Hi-Fi speakers, as well as wiring to phono cartridges.

No. AO13 List Price per Spool \$14.00

New! Philmore **IMPORTED** ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

Philmore

AMERICAN EXPLORER ROCKET RADIO

**PLAYS ANYWHERE
WITHOUT BATTERIES!
WITHOUT TUBES!**

MODEL
VC-2000



INCLUDES
PLUG TYPE
EARPHONE



KEEPING PACE with the "Conquest of Space" . . . Philmore presents this amazing new diode crystal radio set! NOT A KIT, this little marvel is small enough to fit in the palm of your hand, yet it pulls in local radio broadcast reception loud and clear! No batteries, no electricity needed, nothing else to buy! Perfectly safe, perfectly delightful for "kids" of all ages! A matched crystal high impedance earphone of the

**COMPLETELY
ASSEMBLED
FULLY EQUIPPED
READY FOR
OPERATION**

plug type is permanently wired in, as are the aerial and ground wires — ready for instant operation. Tuning is accomplished by pulling up or down the rod in the nose of the rocket. Local broadcast stations come in with astonishing volume and clarity! The complete unit is supplied in an attractive display box.
Model VC-2000 List Price **\$3.00**
Plus 10% Federal Excise Tax

HI-FI TAPE RECORDING NOTE!

The Philmore VC 2000 Rocket Radio can be successfully used as a broad-band, AM tuner which will enable you to tape-record your favorite AM broadcasts with the full fidelity of the original broadcast signal. Simply replace the earphone with a plug suitable for the radio input of your tape-recorder, carefully tune the VC 2000 to your favorite station, and you can enjoy hi-fidelity recording of AM broadcasts!

The broad-band tuning and wide-band detection characteristics of this radio and the Germanium detector used enable the full frequency range of AM broadcasts to be passed without the "electronic bottlenecks" normally found in standard superhetrodyne AM radios.

MINIATURE TRANSISTORIZED CODE PRACTICE OSCILLATOR



Compact code oscillator in sealed plastic case. Includes crystal earphone, key attachment leads with insulated spade lugs and Morse Code sheet. Requires 1 - 1.5 volt penlight battery. Individually boxed.

Model No. C0207
List Price (less battery)..... \$6.00 ea.
(See Additional Listings on Page 30)

IN-LINE VOLUME CONTROL ADAPTOR



RCA type phono jack input to RCA type phono plug output. Used in high impedance circuits. Incorporates 500K ohm volume control to balance microphone and tuner levels. Shielded nickel plated. Individually boxed.

Model No. 2010..... List Price \$1.90 ea.

IN-LINE VOLUME CONTROL ADAPTOR



Incorporates 2 conductor phone plug outputs, to RCA type phono jack input. All other specifications are the same as No. 2010. Individually boxed.

Model No. 2020..... List Price \$2.20 ea.

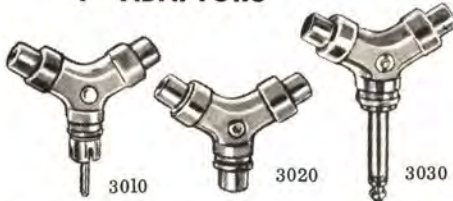
MICROPHONE IN-LINE VOLUME CONTROL ADAPTOR



Incorporates male and female screw on type Microphone Connectors. All other specifications are the same as our No. 2010. Individually boxed.

Model No. 2030..... List Price \$2.75 ea.

"Y" ADAPTORS



Two RCA type phono jacks in parallel with an RCA type phono plug. Fully shielded and chrome plated.

Model No. 3010.... List Price \$.90 ea.

Three RCA type phono jacks in parallel. Fully shielded and chrome plated.

Model No. 3020.... List Price \$.90 ea.

Two RCA type phono jacks in parallel with a standard 2-conductor phone plug. Fully shielded and chrome plated.

Model No. 3030.... List Price \$1.00 ea.



TWIN TV ANTENNA COUPLER

Connects 2 TV sets to a single TV antenna. Equipped with self-contained twin lead wire (8-1/2") for attachment to one set, with screw terminals for antenna and second set. Can also be used to attach FM Tuner to TV antenna. Individually boxed.

Model No. 718..... List Price \$1.00 ea.



TAPE HEAD DEMAGNETIZER

Reduces noise level and distortion by quickly and easily demagnetizing tape recording heads. For operation on 110-115 volts, 60 cycle AC. Supplied with removable pole pieces and line cord. Individually boxed.

Model No. HD10..... List Price \$6.75 ea.

SHIELDED RCA TYPE EXTENSION PHONO CONNECTOR SET



Consists of phono plug and phono in-line jack both with removable shield handles. Both plug and jack have built-in cable connectors and are fully nickel plated.

Model No. MS11... List Price, per set \$.50
(See Additional Listings on Page 22)



CHASSIS MOUNT RCA TYPE PHONO JACK

Supplied with locknut washer and ground lug. Mounts in single 1/4" hole. Jack has nickel plated finish.

Model No. MS12.... List Price \$.14 ea.
(See Additional Listings on Page 22)

New! Philmore

IMPORTED ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!

STEREO/MONAUROAL TURNOVER CRYSTAL TONE ARM



Exceptionally light-weight tone arm and crystal cartridge that can be used for stereo or monaural recordings at the flick of the wrist. The specifications of the cartridge are the same as our No. PC75STL cartridge. The frequency response is 40-13000 CPS. Output 0.4 volts. Comes complete with mounting hardware. Includes two separate shielded cables and two sapphire needles. Individually boxed.

Model No. M007..... List Price \$5.50 ea.

(See Additional Listings on Page 24)

CONTACT MICROPHONE



A high impedance crystal contact microphone, complete with 8 feet of shielded cable and clamp bar. Ideal for amplification of guitars, banjos and other string instruments. Individually boxed.

Model No. SI709..... List Price \$2.50 ea.

(See Additional Listings on Pages 27, 28)

BATTERY CONNECTORS



Completely insulated, snap-fastener type, with color coded insulated leads.

For 9 volt flat and miniature 45 volt batteries. 1/2" connector spacing and 3" leads.

Model No. BC9..... List Price \$.15 ea.



For 67-1/2 volt and large 45 volt batteries. 1-1/2" connector spacing and 7" leads.

Model No. BC10..... List Price \$.18 ea.

INSULATED SR. SOLDERLESS PHONE TIP PLUG



Fits all standard phone tip jacks. Insulated sleeve 1" long. Cable opening 13/16". Available in red or black. Specify color. Overall length 2".

Model No. 2348J... List Price \$.20 ea.

(See Additional Listing on Page 31)



STEREO 3 SPEAKER, 7 WAY WALL PLATE SPEAKER SELECTOR SWITCH

Selects any combination of three separate stereo speaker systems. Selects speakers 1, 2, or 3 separately, or 1 and 2, 2 and 3, 1 and 3, or all three simultaneously for each channel. Screw terminals are marked for amplifier and speaker connections. Supplied pre-mounted on brass wall plate to fit into standard wall switch box. Individually boxed including wiring and mounting instructions. Size: 4-1/2" x 2-3/4" x 1-1/2" deep.

Model No. 357..... List Price \$3.25 ea.

(See Additional Listing on Page 22)

HI-FI 3 SPEAKER, 7 WAY BOX TYPE SPEAKER SELECTOR SWITCH

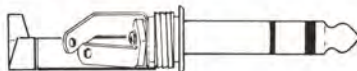


Same as our No. 355 speaker selector switch for monaural Hi-Fi speaker systems. Mounted in a completely enclosed gold-metal housing. This makes it ideal for surface mounting on wall or cabinet. Individually boxed.

Model No. 356..... List Price \$3.30

(See Additional Listing on Page 22)

3 CIRCUIT SLIM PHONE PLUG



Some of the many applications of this plug are its use in conjunction with push-to-talk microphones and stereo head phones. Supplied with a black bakelite barrel. All parts N. P. Fits all standard type jacks.

Length of Barrel - 1-5/8"
Diameter of Barrel - 1/2"
Overall Length - 2-7/8"

Model No. 524W..... List Price \$.55 ea.

(See Additional Listing on Page 29)



INSULATED PHONE TIP JACK

Accommodates all insulated and non-insulated phone tip plugs. Available in red or black. Mounts in 5/16" dia. hole. Complete with insulating shoulder washers and nut. Specify color.

Model No. 2347J... List Price \$.18 ea.

(See Additional Listing on Page 31)

SPEAKER PHASE CONTROL



For proper phasing in multiple or stereo speaker installations merely by flicking the slide switch. Complete with shielded housing for surface mount, with screw terminal connections, and complete instructions. Individually boxed.

Model No. 715..... List Price \$2.00 ea.

STEREO-MONAUROAL-STEREO REVERSE SELECTOR



Allows instant switching from stereo to monaural without change in volume or audibility, also usable for channel reverse switching. Equipped with 2 input phono jacks and 2 output phono jacks. Fully shielded case, ready for surface mounting at desired location. Individually boxed.

Model No. 716..... List Price \$2.15 ea.

MULTI-INPUT SELECTOR SWITCH



Instant selection of any one of five input circuits (phono, tape, aux., AM and FM) to output phono jack. Fully shielded case ready for surface mounting at desired location. Individually boxed.

Model No. 717..... List Price \$2.25 ea.

UNIVERSAL TELEPHONE PICK-UP COIL



Will pick up both sides of a telephone conversation for recording or amplification, on either the old type phone or the modern new type phones. Comes with rubber suction cup to enable easy attachment to any telephone receiver, securely. Complete with 5 feet of shielded cable. Individually boxed.

Model No. M81..... List Price \$2.00 ea.

(See Additional Listing on Page 29)

Philmore

IMPORTED ELECTRONIC COMPONENTS

Skillfully fabricated of top grade materials, and designed for performance and durability identical to American equivalents, but priced substantially lower!



NEW PHILMORE TRANSISTOR POCKET RADIO

WITH BUILT-IN LOUDSPEAKER

\$10⁹⁵

MODEL TR23

Handsome, shockproof plastic case in smart modern design, gaily colored. Complete set is packed in attractive display box.

SUGGESTED RESALE
(Price includes Fed. Excise Tax)

One of the lowest priced complete transistor radios of its type. (Speaker operated). All these bonus extras included:

- Five section (20" at full length) whip antenna to be used in fringe areas. Has built-in Ferrite antenna for normal use
- A beautiful leatherette radio carrying case, complete with holding strap.
- 9 Volt Battery
- Built-in earphone jack for private listening
- Magnetic earphone and plug
- Handy carrying pouch for earphone

SPECIFICATIONS

- 2 transistors plus 2 diodes, reflex circuit.
- Covers 550 KC to 1600 KC broadcast band.
- Includes 2" PM speaker.
- Set is operated by two controls. A volume control with on-off switch, and a tuning control.
- Size: 4-1/4" x 2-1/2" x 1-3/8"
- Weight: Less than 1 lb. (with battery).

MODEL TR23 Complete with Earphone and battery, ready to operate Resale \$10.95

NEW PHILMORE POCKET RADIO TINY TRANSISTOR PORTABLE

COMPLETE MODEL TR12
READY TO OPERATE! **\$7⁷⁵**

SUGGESTED RESALE
(Price includes Fed. Excise Tax)

INCLUDES 4-SECTION TELESCOPING ANTENNA FOR FRINGE AREA RECEPTION

It's POWERFUL - SELECTIVE -



ACTUAL SIZE
3 7/8"
x 2 3/8"
x 1"
Weight 8 Oz.

the ULTIMATE in a Personal Radio!

Don't let its tiny size fool you—this incredible midget is a GIANT in performance. No bigger than the palm of your hand, this radio brings in all the local broadcast stations loud and clear! These features tell you why:

- Newly Engineered Transistor Reflex Circuit
- Input and Output Transformer Coupling
- Built-in ferrite-loop antenna
- Single Dial Control

This little radio operates anywhere, indoors or outdoors, on a single standard battery which lasts for more than 1000 hours. Sharp selectivity permits separation of local stations without interference. Unique phono jack automatically switches set off when earphone plug is pulled out, thus providing foolproof operation.

Handsome, shockproof plastic case in smart modern design, gaily colored. Complete set is packed in attractive display box.

BATTERY (included with radio) is interchangeable with:
EVEREADY 216
BURGESS 2U6
RCA VS312

MODEL TR12 Complete with Earphone and battery, ready to operate Resale \$7.75

RADIO CONTROL UNITS

FOR HOBBY MODELS

COMPLETELY WIRED
READY FOR OPERATION

- Cabinet:** Gray hammertone finish.
- Overall size of cabinet:** 5 1/4" x 2 3/4" x 2 1/2"
- Total weight less batteries:** 1 lb.
- Batteries required:** 1-1 1/2 Volt "A" Battery (Eveready 950 or Burgess 2R or RCA VS036)
- 2-45 Volt "B" Batteries (Eveready 415 or Burgess U30 or RCA VS086)



RADIO CONTROL TRANSMITTER

This unit has been designed on the basis of compactness, light weight, efficiency and price economy. Can be held in one hand and is completely self contained. Operates on 27,255 megacycles citizens band, no license required. Uses a powerful 354 tube for long range, low battery drain. Crystal controlled frequency with simple, one-adjustment tuning for maximum output. The tube and crystal are included with the unit.

Provided with 3 section 5 foot sectional whip antenna. Range over one mile. Printed circuit construction.

Front panel controls include: on-off switch, Push to Transmit switch, tuning indicator bulb. Tuning adjustment accessible from side of cabinet without removing cover.

Model No. PT101 Less batteries List Price \$32.00



RADIO CONTROL RECEIVER

A companion receiver for our Model PT101 transmitter. Single 354 tube which is included. Compact printed circuit keeps the weight of this miniaturized unit down to only 3 ounces. Installation and wiring instructions included.

- Case:** Hi-impact lightweight plastic
- Overall size of case:** 2 1/2" x 1 3/4" x 2"
- Total weight less batteries:** 3 ounces

- Batteries required:** 1-1 1/2 Volt "A" Battery (Eveready No. 915 or Burgess No. Z or RCA No. VS034)
- 1-67 1/2 Volt "B" Battery (Eveready No. 416 or Burgess No. UX45 or RCA No. VS318)

Power plug fits a standard 7 pin miniature tube socket. The tube actuates an internal S.P.D.T. Relay, and connections to these relay contacts are made at the power plug for easy accessibility. Provision is made for connection of an external antenna. Tunes simply for maximum sensitivity by temporarily inserting a 0-5 millimeter in the plate circuit.

Model PR101 Less batteries \$21.60



RADIO CONTROL ESCAPEMENT UNIT

Completely assembled—optional equipment for the Model PR-101 Receiver.
MODEL RCEU List Price \$6.20

Philmore COMPONENT EQUIPMENT

for CITIZENS' BAND RADIO

Our new line of Citizens Band gear in modular form enables you to buy only as much equipment as you need for flawless communication on the New Citizens' Band, without expensive duplication of circuitry existing in equipment you already own! Modular design lets you build up a complete Citizens' Band station in a minimum

amount of auto dashboard space, with full effectiveness of double-conversion super-hetrodyne reception; full powered, push-to-talk, metered transmission; and fully transistor-powered, hash-free power supply. Study the specifications and prices below, then choose the system which best fits your Citizens' Band needs.

Philmore **CITIZENS' BAND AND 10 METER** CONVERTER KIT

This kit allows you all the advantages of double-conversion, super-het reception without expensive duplication of circuitry you already own. Simple cable connections between your auto mounted 11 meter whip antenna, and your automobile broadcast receiver allows tuning the Citizens Band and 10 Meter Band on the car radio.

Check these features

- Three simple connections put the Converter in full operation
- When used with our Model CPA-1 or CPM-1 power supplies, no modification or re-wiring of the broadcast receiver need be made. Simply plug in the antenna cable.
- Panel switch allows instant selection of standard broadcast or Citizens' band operation of the auto radio.
- Full Citizens' Band tunes from 550 to 820 kilocycles on auto radio dial. Radio push-buttons can be pre-set for specific CB channels. No-drift crystal oscillator circuit allows instant selection.
- Will also work into any good super-het radio or Communications Receiver at base station. Power plug wired for power take-off from our Model CR-5AC Receiver, and many other Communications Receivers available.
- Interchangeable, plug-in crystal allows use as 10 meter Amateur Converter, covering 28.5 to 29.5 megacycles over full broadcast tuning range of 550 to 1600 kilocycles.
- Extremely small size takes a minimum of dashboard space and leg room. Only **Two inches** high, **Six inches** wide, and **Five inches** deep. Shipping Weight 3 lbs.
- Two-tube circuit allows full RF amplifier stage, triode mixer and crystal-controlled triode oscillator for maximum sensitivity and efficiency.

Model CC-1
COMPLETE KIT
\$16⁵⁰
RESALE PRICE



• Swivel handle bracket

- Panel adjusting antenna trimmer allows most efficient broadcast reception using Citizens' Band whip antenna.
- Instructions given for powering from broadcast receiver, where practical, when used without transmitter. Normally used in autos with 12 volt systems. Instructions also given for use on 6 volt systems, powered from receiver.
- Tube complement - 6BH6 RF amplifier; 6U8 Oscillator-Mixer. Crystals - 8800 KC, third harmonic for CB reception; 9316 KC, third harmonic for 10 meter reception.

Model CC-1 Converter, complete with Cabinet, Crystal for Citizens' Band reception, Handle bracket, all cables and plugs **\$16.50**
Part CC-1000, 9316 KC crystal for 10 meter Amateur Band reception **\$2.95**

resale price

Philmore **CITIZENS' BAND** TRANSMITTER KIT

A value-packed, professional transmitter loaded with features not to be found in any Citizens Band unit at 5 times the price! As a companion unit to our Model CC-1 Converter, or any good Communications Receiver, and either our Model CPM-1 or CPA-1 Power Supply, this transmitter becomes the heart of the highest quality Citizens' Band station available in modular form. By making a transmitter available in a separate package, all the features listed below can be offered by PHILMORE at this truly low price:



• Swivel handle bracket

Model CT-1 COMPLETE KIT
RESALE PRICE **\$39⁹⁵**

- Full 5 watt plate input power at maximum FCC legal limit.
- **SIX** switch-selected, crystal controlled channels for maximum flexibility of communications.
- Hi-Q, pi output network to match any antenna impedance.
- Fully neutralized to eliminate power-wasting parasitics.
- Provided with high quality, push-to-talk ceramic microphone and panel hang-up bracket.
- Dual function panel meter instantaneously monitors either actual plate input power, or relative output and modulation at a flick of the switch. All adjustments can be performed without the aid of external meters or instruments.
- Designed for use with our Model CPM-1 Power supply for 12 volt mobile operation, or our Model CPA-1 Power supply for 110 Volt A.C. operation. Panel switch turns entire system on or off.
- Provided with one crystal for alignment and check. (Crystal is for Channel 12 operation). Crystals for additional channels can be obtained at local distributor.
- Swivel handle bracket for under-dash mounting or as tilt stand on desk.
- All tubes, crystals, and adjustments fully accessible from rear without removing cabinet cover.
- Audio section provides full modulation automatically limited to 100% to meet F.C.C. requirements.
- Small size and low flat design takes a minimum of dash-board space and leg room. Only **Three inches** high, **Nine inches** wide, and **Eight inches** deep. Shipping Weight 7 lbs.
- Three-tube circuit for maximum efficiency and minimum battery drain. Tube complement includes:
6CX8 Oscillator and RF Power Amplifier.
12AX7 Microphone pre-amp and driver.
6AQ5-A Modulator tube.

Model CT-1 Transmitter, complete with Cabinet, handle bracket, Microphone, Meter, crystal for channel 12 **\$39.95**

resale price

Philmore GENERAL PURPOSE A.C. POWER SUPPLY

Companion unit to our CT-1 Transmitter and CC-1 Converter, this compact, versatile unit can also power many types of Amateur and Experimenter equipment, using up to 30 watts plate power

COMPLETE KIT \$19⁹⁵
RESALE PRICE

Includes cable, line cord, relay, and silicon diodes.

**MODEL
CPA-1**

Provides centralized power source for Citizens' Band and Amateur Gear, also acts as antenna changeover box.

- Full semi-conductor rectifier stages, no tubes.
- Heavy choke filtered output.
- DC relay operation (minimizes hum pickup in mike).
- Fused input for protection of associated equipment.
- Mounting flanges permit installation in cabinet, rubber feet for table-top use.
- Semi-conductor complement: 5-2E4 Silicon Power Diodes or equivalent.
- Size, only 4" wide, 5" high, 5" deep. Shpg. Wt. 7 lbs.



Philmore GENERAL PURPOSE TRANSISTOR POWERED MOBILE POWER SUPPLY

Companion unit to our CT-1 Transmitter and CC-1 Converter, this compact versatile unit can be used in any mobile application up to 30-watts output.

COMPLETE KIT \$26⁷⁵
RESALE PRICE

Includes cable, lighter plug, relay, transistors, and silicon diodes.

Provides centralized power source for Citizens' Band and Amateur equipment, and also acts as antenna-changeover box.



**MODEL
CPM-1**

- Fully semi-conductor operated, no tubes.
- Power take-off cable, plugs directly into cigarette lighter socket.
- Delivers 300 Volts DC @ 100 Ma, choke-filtered.
- Mounts out of the way on fire-wall, under seat, glove compartment, etc.
- Semi-Conductor Complement: 2-2N234A Power Transistors or Equivalent; 4-2E4 Silicon Power Diodes or equivalent.
- Size only 4" wide, 5" high, 5" deep. Shipping Weight 7 lbs.
- **IMPORTANT:** This unit is designed for operation with 12-Volt Ignition Systems Only.



Rear View



ATTENTION "HAMS" — Use the FS-1 "stock" for field strength measurements of your 10 meter rig, just by retuning the antenna trimmer. The unit can also be used for 2 and 6 meters by a simple change of capacitor and collapsing of whip antenna to proper length. Load box can be used for short periods up to 10 watts for mobile rigs.

Philmore FIELD STRENGTH METER AND LOAD BOX

**MODEL FS-1
COMPLETE KIT**

\$17⁵⁰

RESALE PRICE

Now, at last, you can peak your Citizens' Band Transmitter or Transceiver for maximum efficiency, *directly into your antenna!* The PHILMORE Model FS-1 Field Strength Meter and Load Box combines an exceptionally sensitive Field Strength indicator, with a calibrated 52 or 75 ohm load. One low priced instrument does away with guess work, inefficient output adjustments, inaccurate dummy load lamps, and expensive load boxes. The unit is handsomely styled in gray and black, and complements our Model TC-11 Transceiver in styling and size. The FS-1 is completely self-contained, and needs no power connections whatsoever.

SPECIFICATIONS:

As a Field Strength Meter:

1. Meter reads relative field strength from 1 foot to over 100 feet from the antenna, by use of continuously variable sensitivity control.
2. Telescopic whip antenna, included with unit, is internally base loaded for maximum sensitivity on the Citizens Band. Tuning range of antenna is adjustable for best performance.

As a Calibrated Load Box:

1. Meter reads directly in Watts Output, on either 52 or 75 ohm loads.
2. Load resistors capable of dissipating up to 8 watts on 52 ohms, 6 watts on 75 ohms. Convection cooled for low drift and long life.
3. Precision Meter resistors insure readings of 1% accuracy on both ranges.



NEW F.C.C. regulations now permit ANYONE to tune their Citizens Band Transmitter, directly into the antenna, provided the oscillator circuit is sealed. The Model FS-1 is the perfect instrument with which to accomplish this tuning for optimum performance.

SIZE: 4 inches high, 3 inches wide, 4 inches deep.
WEIGHT: Shipping Weight 3 lbs.

MODEL FS-1 KIT, complete with cabinet, antenna and cable\$17.50

Philmore 11-Meter Citizens' Band Class "D" TRANSCEIVER KIT



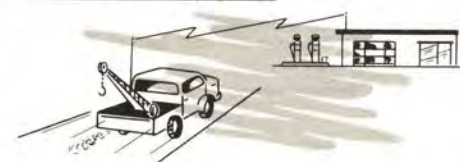
COMPLETE TWO-WAY COMMUNICATION

for

BUSINESS/HOME



COMMERCIAL



FARMS



BOATING



ANYONE CAN GET FCC LICENSE

No tests, no special technical skill required. Just fill out FCC form enclosed with each Philmore Kit, and send to Federal Communication Commission.

MADE IN U.S.A.

MODEL TC-11
COMPLETE KIT **\$39⁹⁵**

RESALE PRICE

INCLUDES MICROPHONE, CRYSTAL AND CABINET

10" WIDE
4 1/8" HIGH
10 7/8" DEEP
WEIGHT: 11 lbs.

Model TC15
7 Section
Whip Antenna

A new Kit for the construction of a Citizen's Band Transceiver operating on the frequencies recently allotted by the F.C.C. for use by any U. S. citizen, without any test, radio theory knowledge, or amateur license. Since any person is allowed to use these bands for private communication between homes, automobiles, office, farm, etc., PHILMORE has designed this kit so that **anyone** can build it without previous electronic knowledge or skill. Through the use of self-explanatory pictorial diagrams, clear step-by-step instructions, and specially selected components, proper operation conforming to all F.C.C. specifications on any of the 22 authorized channels is virtually assured upon completion of the kit.

Some of the advanced features incorporated in this up-to-date unit, and not to be found in any other kit or wired transceiver at many times the price, are:—

- Frequency-Determining Elements PRE-SET and SEALED in accordance with latest F.C.C. regulations. This feature enables anyone to properly tune the Transmitter into the Antenna.
- Any three desired channels may be automatically switch-selected instantaneously on the front panel, insuring interference-free communication at all times. Both receiver and transmitter are individually tuned to pre-arranged frequencies. Transmitter is crystal controlled with accuracy of .005%.
- Power for mobile operation taken from cigarette lighter socket on dash, so that no complicated under-dash wiring is required.
- Low, flat, modern appearance with sleek, finished cabinet allows desk-top, home or office use; fits under or on dash-board, or on seat for mobile use.
- Sensitive superregenerative detector is virtually drift free. Will pick up signals from the furthest limits of transmitter range.
- Transmitter delivers maximum allowable 5 watts plate power, and is crystal controlled for exact frequency operation. Supplied with hand held microphone.

1. Complete with 5 Tubes.
2. Supplied with one crystal for any of the three channels incorporated.
3. 3 Controls (Volume, Transmit-Receive Switch, and Channel Selector) assures easy operation of the Transceiver.
4. Has two indicator lights, one to show unit is on, other to show operator is transmitting.
5. Has built-in trap to eliminate T.V. interference.
6. Optional antenna-jack mounting position, so that any type of antenna may be used.
7. Mobile unit operates on 6 or 12 volts D.C. interchangeably.

Available in the following alternative-power models, each complete with microphone, cabinet, crystal, and appropriate power supply and power cord:— **RESALE PRICE**

Model TC11	Transceiver for 115 Volt AC, less antenna.....	\$39.95
Model TC612	Transceiver for 6 & 12 Volt DC, less antenna....	44.49
Model TC15	7-Section Whip Antenna with base loading coil, for short range communication.....	4.50
Model PS11	AC Power Supply for both Model TC11 and TC612 Transceiver Kits.....	12.85
Model PS612	Mobile Power Supply for both Model TC11 and TC612 Transceiver Kits.....	17.50

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