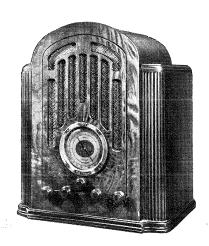
# RCA Victor Models 128 and 224

Six-Tube, Three-Band A. C. Receivers

# SERVICE NOTES



SERVICE DIVISION

# RCA Victor Company, Inc.

Camden, N. J., U. S. A.

A RADIO CORPORATION OF AMERICA SUBSIDIARY

REPRESENTATIVES IN PRINCIPAL CITIES

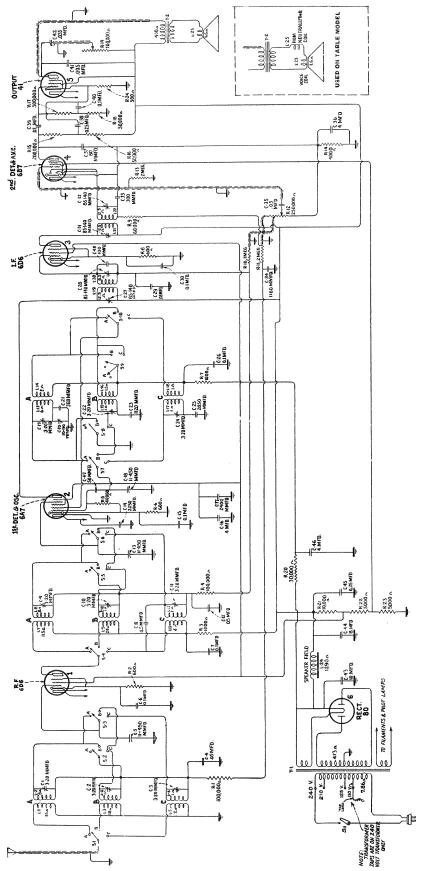


Figure 1—Schematic Circuit Diagram—Early Production

## RCA VICTOR MODELS 128 AND 224

# Six-Tube, Three-Band A. C. Receivers SERVICE NOTES

### **ELECTRICAL SPECIFICATIONS**

Voltage Rating
Power Consumption
Power Consumption
(Band A—540 K. C1720 K. C.
Tuning Frequency Range
(Band C—5400 K. C18,000 K. C.
(Band C—5400 K. C.–18,000 K. C. Line-Up Frequencies
Maximum Undistorted Output
Maximum Output

### PHYSICAL SPECIFICATIONS

	Model 128	Model 224
Height	20½ Inches	41 Inches
Width	$\dots 16\sqrt[3]{4}$ Inches	24½ Inches
Depth	11 <sup>15</sup> / <sub>16</sub> Inches	12½ Inches

This six-tube, three-band A. C. super-heterodyne receiver is of the "all wave" type and has a continuous tuning range of from 540 K. C. to 18,000 K. C. This tuning range includes all of the important short wave broadcasting, police and aircraft call bands, together with the standard broadcast band. Excellent sensitivity, selectivity and tone quality, together with a number of important operating features, make this an

outstanding receiver of its type.

Operating features include a full vision "airplane" type dial, double-ratio vernier drive, high frequency tone control, three position band switch with visual band indicator on dial and an automatic volume control. High tonal fidelity is realized by adequate power output, 1.9 watts undistorted, and a well designed reproducer unit.

## DESCRIPTION OF ELECTRICAL CIRCUIT

The general circuit arrangement consists of an R. F. stage, a combined oscillator and first detector, an I. F. stage, a combined second detector and automatic volume control and a single Pentode output stage. An RCA-80 rectifier, together with a suitable filtering system, provides plate and grid voltages for all tubes and field excitation for the loudspeaker. Figures 1 and 2 show the schematic circuit diagrams, Figures 3 and 4, the loudspeaker wiring and Figures 9 and 10, the chassis wiring.

The signal enters the receiver through a shielded antenna lead and is applied to the grid of the R. F. tube through the antenna coupling transformer. The secondary of this transformer is tuned to the signal frequency by means of one unit of the gang-capacitor. The output of this stage is transformer coupled to the grid circuit of the first detector, which is also tuned to the signal frequency by a unit of the gang-capacitor.

Combined with the signal in the first detector is the local oscillator, which is always at a 460 K. C. frequency difference (higher) from the signal frequency. A separate coil system and the third unit of the gangcapacitor are used in this circuit.

In conjunction with these three tuned circuits, it is well to point out that three different groups of tuned circuits are used, one for each tuning band. A three-position selector switch is provided for selecting the band in which the desired signal is located. In addition to selecting the desired coil system, additional groups of contacts are provided for short-circuiting the preceding lower frequency R. F. and detector coils and the two preceding oscillator coils. This is to prevent "dead" spots due to the absorption effects caused by the coils, the natural period of which, with tuning capacitor disconnected, fall in the next higher frequency band.

The output of the first detector, which is the I. F. signal (460 K. C.), is fed directly through two tuned circuits to the grid of the I. F. amplifier stage. The I. F. stage, which utilizes Radiotron RCA-6D6, uses two transformers, which consist of four tuned circuits, all of which are tuned to 460 K. C.

all of which are tuned to 460 K. C.

The output of the I. F. amplifier is then applied to the diode electrodes of the RCA-6B7, which is a combined second detector, automatic volume control and A. F. amplifier. The direct current component of the rectified signal produces a voltage drop across resistor

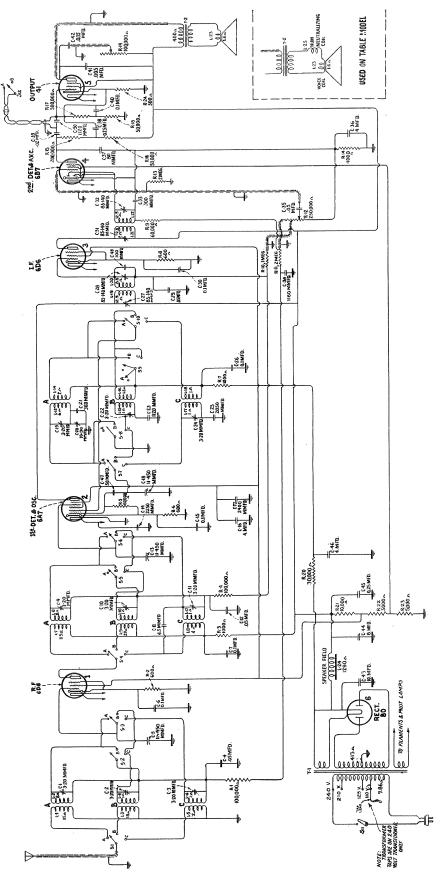


Figure 2—Schematic Circuit Diagram—Late Production Models having fidelity change with band position

R-12. The full voltage drop constitutes the automatic bias voltage for the R. F. while a tap is provided for the first detector and I. F. voltage. These automatic bias voltages for the R. F. first detector and I. F. give the automatic volume control action of the receiver. The volume control selects the amount of audio voltage that is applied to the grid of the RCA-6B7 and thereby regulates the audio output of the entire receiver.

The output of the RCA-6B7 is resistance coupled to the grid of the RCA-41 tube, which is the power output amplifier. This tube is operated as a Pentode and provides high audio gain and satisfactory output power. The plate circuit of the output stage is matched to the cone coil of the reproducer by means of a step-down transformer.

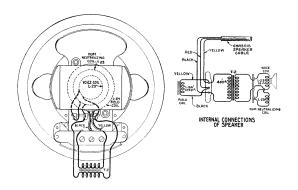


Figure 3—Table Loudspeaker Wiring

The tone control consists of a variable resistor and fixed capacitor connected in series across the primary of the output transformer. At the minimum resistance position of the variable resistor, maximum attenuation of the high audio frequencies is obtained.

Plate and grid voltages for all tubes are supplied from the output of the rectifier-filter system. An RCA-80 is used as a rectifier and a suitable network of capacitors and resistors gives the necessary filtering and voltages. The loudspeaker field is used as a filter reactor.

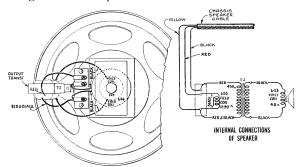


Figure 4—Console Loudspeaker Wiring

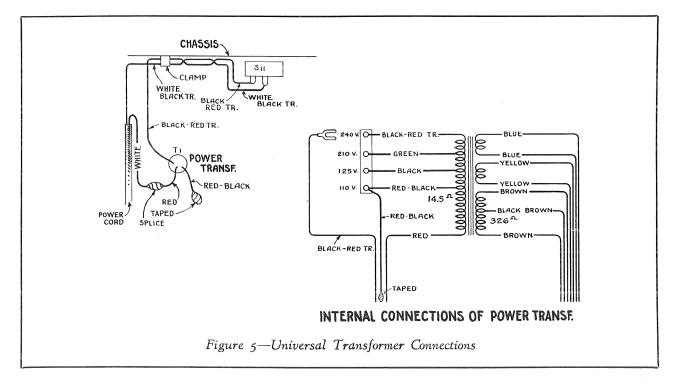
Figures 1 and 9 show the schematic diagrams of the early production models while Figures 2 and 10 show the later production. The later production instruments have an additional section on the band selector switch to change the receiver fidelity in Bands B and C.

#### (1) LINE-UP PROCEDURE

The line-up procedure of this receiver is somewhat involved and it is important that these instructions be carefully followed when making adjustments. Properly aligned, this receiver has outstanding performance; improperly aligned, it may be impossible to receive signals on all bands.

#### Equipment

To properly align this receiver, proper test equipment must be used. This consists of a modulated R. F. oscillator having proper frequency range, an output indicator, an alignment tool and a tuning wand.



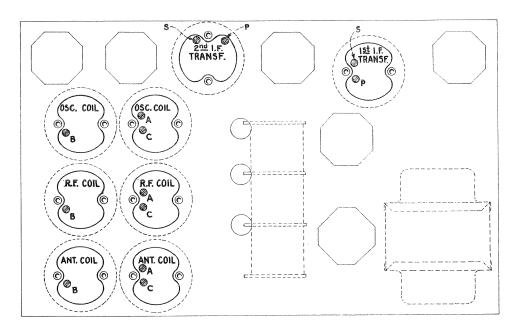


Figure 6—Location of Line-up Capacitors

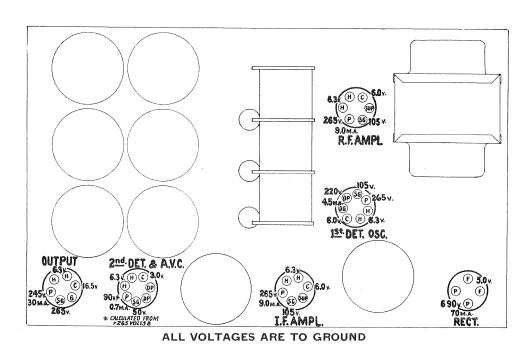


Figure 7—Tube Socket Voltages

#### Checking with Tuning Wand

Before making any R. F., oscillator or first detector adjustments, the accuracy of the present adjustments may be checked by means of the tuning wand (Stock No. 6679). The tuning wand consists of a bakelite rod having a brass cylinder at one end and a special finely divided iron insert at the other end. Inserting the cylinder into the center of a coil lowers its inductance, while inserting the iron end increases its inductance. From this, it is seen that unless the trimmer adjustment for a particular coil is perfect at alignment frequencies, inserting one end of the wand may increase the output of a particular signal. A perfect adjustment is evidenced by a lowering of output when either end of the wand is inserted into a coil.

The shields over the R. F. coil assembly have a hole at their top for entrance of the tuning wand. The location of the various coils inside of the shield is shown in Figure 8. An example of the proper manner of using the tuning wand would be to assume the external oscillator were set at 1720 and the signal tuned in, and the output indicator should be connected across the voice coil of the loudspeaker. Then the tuning wand would be inserted, first one end and then the other end, into the top of the three transformers at the left of the R. F. assembly, facing the front of the chassis. A perfect adjustment of the trimmer would be evidenced by a reduction in output when each end of the wand is inserted in each of the three transformers. If one end-for example, the iron end-when inserted in one coil caused an increase in output, then that circuit is low. An increase in the trimmer capacitance would be the proper remedy.

#### (2) I. F. TUNING CAPACITOR ADJUSTMENTS

Although this receiver has one I. F. stage, two transformers having four adjustable capacitors may require adjustment. The transformers are all peaked, being tuned to 460 K. C.

A detailed procedure for making this adjustment follows:

- (a) Connect the output of an external oscillator tuned to 460 K. C. between the first detector grid and ground. Connect the output indicator across the voice coil of the loudspeaker.
- (b) Place the oscillator in operation at 460 K. C. Place the receiver in operation and adjust the station selector until a point is reached (Band A) where no signals are heard and turn the volume control to its maximum position. Reduce the oscillator input until a slight indication is obtained in the output indicator.
- (c) Refer to Figure 6. Adjust each trimmer of the I. F. transformers until a maximum output is obtained. Go over the adjustments a second time.

This completes the I. F. adjustments. However, it is good practice to follow the I. F. adjustments with the R. F. and oscillator adjustments due to interlocking which always occurs.

## (3) R. F., OSCILLATOR AND FIRST DETECTOR ADJUSTMENTS

Four R. F., oscillator and first detector adjustments are required in band "A." Three are required in bands "B" and "C."

To properly align the various bands, each band must be aligned individually. The preliminary set-up requires the external oscillator to be connected between the antenna and ground terminals of the receiver and the output indicator must be connected across the voice coil of the loudspeaker. The volume control must be at its maximum position and the input from the oscillator must be at the minimum value possible to get an output indication under these conditions. In the high frequency bands, it may be necessary to disconnect the oscillator from the receiver and place it at a distance in order to get a sufficiently low input to the receiver.

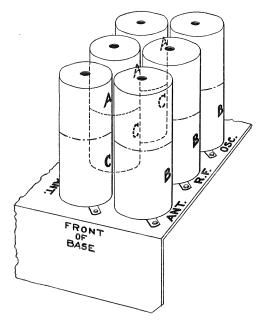


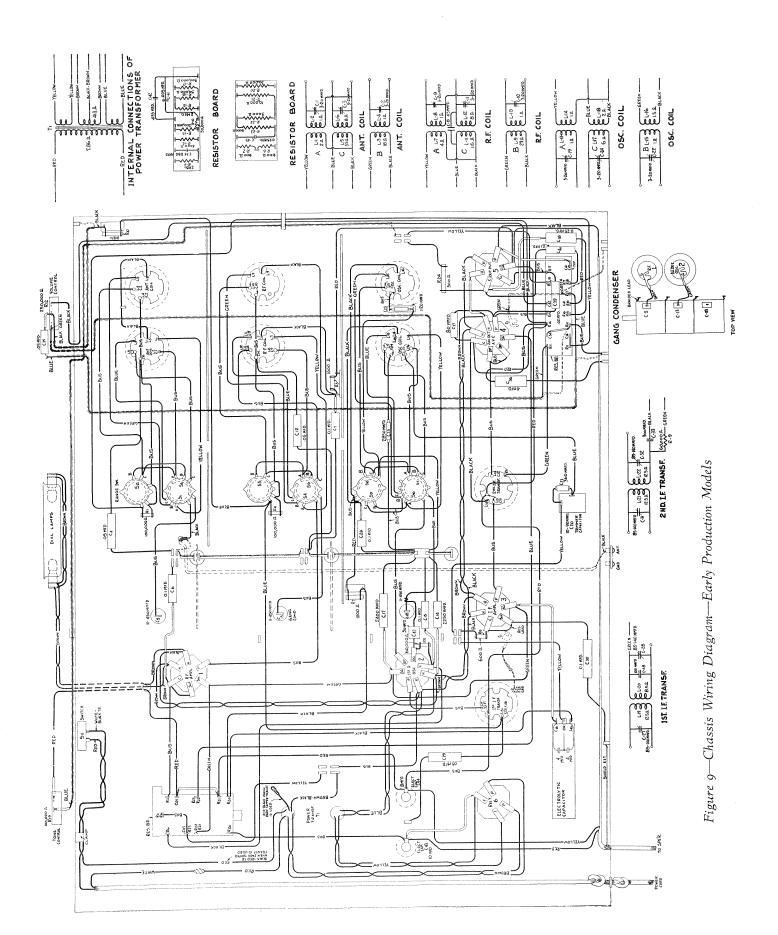
Figure 8—Location of Coils in Shields

The dial pointer must be properly set before starting any actual adjustments. This is done by turning the variable capacitor until it is at its maximum capacity position. One end of the pointer should point exactly at the horizontal line at the lowest frequency end of band "A," while the other end should point to within ¼-inch of the horizontal line at the highest frequency end of band "A."

Figure 6 shows the location of the trimmers for each band. Care must be exercised to merely adjust the trimmers in the band under test.

#### Band "A"

- (a) Set the Band Switch at "A."
- (b) Tune the external oscillator to 1,720 K. C., set the pointer at 1,720 K. C. and adjust the oscillator, detector and R. F. trimmers for maximum output.



(c) Shift the external oscillator frequency to 600 K. C. Tune in the 600 K. C. signal, irrespective of scale calibration, and adjust the series trimmers, located on rear apron of chassis, for maximum output, at the same time rocking the variable tuning capacitor. Then readjust at 1,720 K. C. as described in (b).

#### Band "B"

- (a) Set the Band Switch at "B."
- (b) Tune the external oscillator to 5,160 K. C., and set the pointer at 5,160 K. C. Adjust the oscillator trimmer for maximum output. The trimmer should be set at the first peak obtained when increasing the trimmer capacitor from minimum to maximum.
- (c) Check for the image signal which should be received at approximately 4,240 K. C. on the dial. It will be necessary to increase the external oscillator output for this check.
- (d) The antenna and detector trimmer should now be peaked for maximum output. It is not necessary to rock the main tuning capacitor while making this adjustment.

#### Band "C"

- (a) Set the Band Switch at "C."
- (b) Tune the external oscillator to 18,000 K. C., set the pointer at 18 M.C. Adjust the oscillator trimmer for maximum output. The trimmer should be set at the first peak obtained when increasing the trimmer capacitor from minimum to maximum.

- (c) Check for the image signal, which should be received at approximately 17,080 on the dial. It may be necessary to increase the external oscillator output for this check.
- (d) Reduce the capacity of the detector trimmer, while rocking the tuning capacitor, until the signal disappears. The first detector circuit is then aligned with the oscillator circuit and the RCA-6A7 tube is blocked. Then increase the capacity of the detector trimmer, while rocking the tuning capacitor, until the signal is peaked for maximum output.
- (e) The antenna trimmer should now be peaked for maximum output. It is not necessary to rock the main tuning capacitor while making this adjustment.

#### (4) POWER TRANSFORMER CONNECTIONS

The 220-volt power transformer furnished with some instruments includes taps for operating on 110-volt lines. Figure 5 shows the schematic circuit of the transformer and the proper voltage to be applied to the various taps. The taps are located on the power transformer assembly and are accessible without removing the chassis from the cabinet.

#### (5) VOLTAGE READINGS

The following voltages are those at the various tube sockets while the receiver is in operating condition. No allowance has been made for currents drawn by the meter, and if low-resistance meters are used, such allowances must be made:

### RADIOTRON SOCKET VOLTAGES

115-Volt A. C. Line-No Signal-Volume Control Maximum

Radiotron Number		Cathode to Ground, Volts, D. C.	Screen Grid to Ground, Volts, D. C.	Plate to Ground, Volts, D. C.	Plate Current, M. A	Heater Volts, A. C.
RCA-6D6—F	R. F.	6.0	105	265	9.0	6.3
RCA-6A7	Det.	6.0	105	265	3.5	
	Osc.			220	4.5	6.3
RCA-6D6—I	. F.	6.0	105	265	9.0	6.3
RCA-6B7—21	nd Detector	3.0	50	90*	0.7	6.3
RCA-41—Pw	r	16.5	265	245	30.0	6.3
RCA-80—Rectifier		· serverencens		690 (RMS)	70.0	5.0

<sup>\*</sup>Voltage calculated from 265 V. + B.

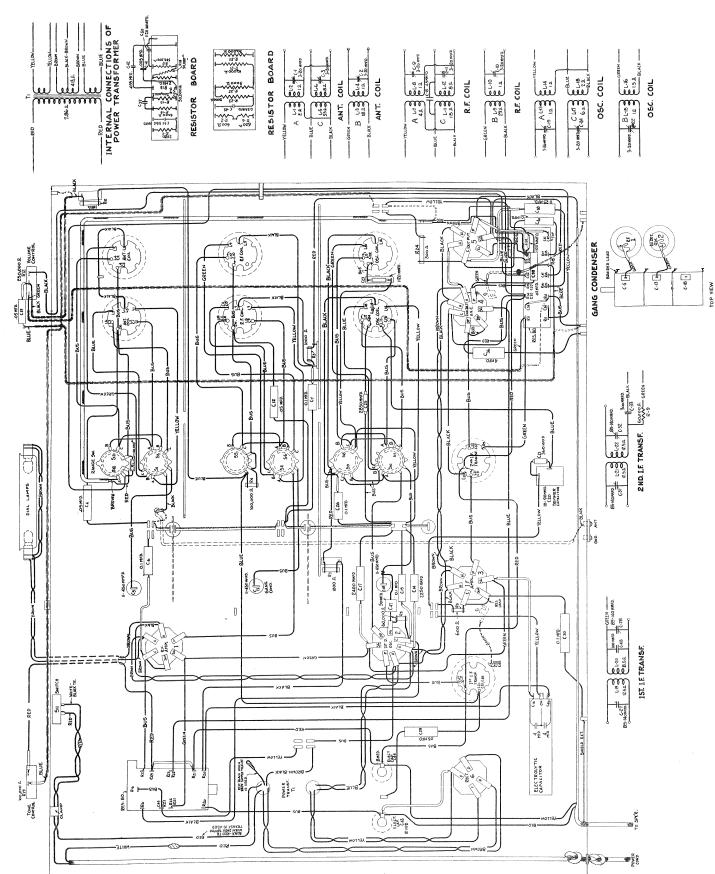


Figure 10—Wiring Diagram—Late Production Model having fidelity change with band position

## REPLACEMENT PARTS

Insist on genuine factory tested parts, which are readily identified and may be purchased from authorized dealers

RECEIVER ASSEMBLIES   Bracket—Volume control or tone control mounting bracket.   So.18   State—Volume control or tone control mounting bracket.   So.18   So	List Price
mounting bracker   Sol.18   Sol.18   Caple—Z-conductor shielded cable—From range switch to resistor board   Cap—Contact cap—Package of 5.   Sol.	\$1.10
Capacitor	1.00
2747   Cap—Contact cap—Package of 5.   50	
Capacitor	2.00
A662	1.00
4614	.80
4413   Capacitor—350 mmfd. (C21).   .22   .3602   Resistor—60,000 ohms—Carbon type—½ watt (R5)—Package of 5.     watt (R5)—Package of 5.     watt (R5.)—Package of 5.     watt (R5.)—Package of 5.     watt (R1.) —Package of 5.     Resistor—500,000 ohms—Carbon type—½ watt (R1.) —Package of 5.	1.00
4412         Capacitor—1120 mmfd. (C23)         2.5         watt (R5)—Package of 5.           4634         Capacitor—1120 mmfd. (C50)         .35         3118         Resistor—100,000 ohms—Carbon type—⅓           4515         Capacitor—2250 (C14)         .30         3116         Resistor—200,000 ohms—Carbon type—⅓           4524         Capacitor—2250 mmfd. (C47)         .26         6186         Resistor—200,000 ohms—Carbon type—⅓           4524         Capacitor—0.2 mfd. (C39)         .25         .35           4435         Capacitor—0.5 mfd. (C35)         .22         .25           4518         Capacitor—0.5 mfd. (C4, C12, C29)         .25         .25           3877         Capacitor—1 mfd. (C40)         .30           3877         Capacitor—1 mfd. (C40)         .30           4415         Capacitor—1 mfd. (C4, C12, C26)         .25           4525         Capacitor—2.5 mfd. (C38, C45)         .40           4526         Capacitor—1 mfd. (C43)         .40           4527         Capacitor—2.6 mfd. (C34)         .105           7790         Capacitor—2.6 mfd. (c36)         .40           4528         Capacitor—2.6 mfd. (c36)         .30           4529         Capacitor—2.6 mfd. (c36)         .30           7889	1.00
4515   Capacitor—1160 mmfd. (C34)	1.00
A670	
4523 Capacitor—2400 mmfd. (C17)	1.00
4523   Capacitor—2400 mmfd. (C17)	1.00
4524 Capacitor—2850 mmfd. (C25)	1.00
4518   Capacitor—.05 mfd. (C35)	1.00
4417 Capacitor—0.5 mfd. (C4, C12, C29)	
3877         Capacitor—.1 mfd. (C40)         .32         watt (R11, R13)—Package of 5           4415         Capacitor—.1 mfd. (C6, C15, C30)         .30         3413         Resistor—5000 ohms—Carbon type—½ watt (R22, R23)—Package of 5           3597         Capacitor—.25 mfd. (C38, C45)         .40         4525         Capacitor—0.0 mfd. (C36)         .70         4521         Shield—Antenna R. F. or oscillator coil shield.           4428         Capacitor—10 mfd. (C43)         1.05         3942         Shield—First detector or output Radiotron shield.           7790         Capacitor pack—Comprising one 0.035 mfd and one 0.005 mfd. capacitors (C41, C42)         .30         4705         Shield—First detector or output Radiotron shield.           7889         Capacitor Pack—Comprising one 0.035 mfd and one 0.005 mfd. capacitors (C41, C42)         .30         3782         Shield—First detector or output Radiotron shield.           4358         Clamp—Electrolytic capacitor mounting clamp         .15         3859         Socket—Oial lamp socket.           4516         Coil—Antenna coil "BB" (L3, L4, C2)         1.65         6676         Socket—4-contact Radiotron socket.           7803         Coil—Detector Coil "BB" (L9, L10, C10)         1.65         3572         Socket—6-contact Radiotron socket.           7807         Coil—Detector Coil "B & SW" (L1, L2, L5, L11, L12, C8, C9, C11)         4684	1.00
3877         Capacitor—1 mfd. (C40)         .32           4415         Capacitor—1 mfd. (C6, C15, C30)         .30           4645         Capacitor—1 mfd. (C7, C26)         .25           3597         Capacitor—2.5 mfd. (C38, C45)         .40           4525         Capacitor—4.0 mfd. (C36)         .70         4521           4428         Capacitor—8 mfd. (C44)         1.05         3942           7790         Capacitor pack—Comprising one 0.035 mfd. and one 0.005 mfd. capacitors (C41, C42)         .30         7487           4692         Capacitor Pack—Comprising two 4. mfd. capacitors (C16, C46)         .30         7475           4358         Clamp—Electrolytic capacitor mounting clamp         .164         3529           4516         Coil—Antenna coil "PB" (L3, L4, C2)         1.65           7803         Coil—Antenna coil "B & SW" (L1, L2, L5, L6, C1, C3)         1.82           4514         Coil—Detector Coil "BB" (L9, L10, C10)         1.65           7807         Coil—Detector Coil "B & SW" (L7, L8, L11, L12, C8, C9, C11)         2.15           111, L12, C8, C9, C11)         1.62           4511         Coil—Oscillator coil "B & SW" (L15, L16, C22)         1.62           7801         Coil—Oscillator coil "B & SW" (L15, L16, C22)         1.62           7801	1.00
4645   Capacitor—1 mfd. (Cb, C15, C30)	1.00
A	1.00
4525         Capacitor—4.0 mfd. (C36)         .70         4521         Shield—Antenna R. F. or oscillator coil shield.           7790         Capacitor—8 mfd. (C44)         1.05         3942         Shield—First detector or output Radiotron shield.           7790         Capacitor—10 mfd. (C43)         1.05         Shield—First detector or output Radiotron shield.           7892         Capacitor pack—Comprising one 0.035 mfd. and one 0.005 mfd. capacitors (C41, C42)         .30         4705         Shield—I. F. amplifier Radiotron shield.           7589         Capacitor Pack—Comprising two 4. mfd. capacitors (C16, C46).         1.64         3529         Socket—Dial lamp socket.           4358         Clamp—Electrolytic capacitor mounting clamp         .15         3859         Socket—4-contact Radiotron shield.           7803         Coil—Antenna coil "B & SW" (L1, L2, L5, L6, C1, C3).         1.82         50cket—4-contact Radiotron socket.           7805         Coil—Detector Coil "BB" (L9, L10, C10).         1.65         50cket—6-contact Radiotron socket.           7807         Coil—Detector coil "B & SW" (L7, L8, L11, L12, L5, L12, L7, L18, C19, C24).         4684         Switch—Operating switch (S11).           7807         Coil—Oscillator coil "B & SW" (L15, L16, C22).         1.52         4517         50cket—7-contact Radiotron socket.           7801         Coil—Oscillator coil "B & SW" (L15, L16, C	
4428         Capacitor—8 mfd. (C44)	.25
7790Capacitor—10 mfd. (C43)	.42
7790Capacitor—10 mid. (C43)	.18
4892Capacitor pack—Comprising one 0.035 mfd. and one 0.005 mfd. capacitors (C41, C42).304705Shield—R. F. amplifier Radiotron shield.7589Capacitor Pack—Comprising two 4. mfd. capacitors (C16, C46).1.643782Shield—Second detector Radiotron shield.4358Clamp—Electrolytic capacitor mounting clamp.153859Socket—Dial lamp socket.4516Coil—Antenna coil "PB" (L3, L4, C2).1.656676Socket—4-contact Radiotron socket.7803Coil—Antenna coil "B & SW" (L1, L2, L5, L6, C1, C3).1.823859Socket—6-contact output Radiotron socket.4514Coil—Detector Coil "PB" (L9, L10, C10).1.653572Socket—6-contact Radiotron socket.7805Coil—Detector coil "B & SW" (L7, L8, L11, L12, C8, C9, C11).1.653572Strip—Antenna terminal engraved "ANT—GND".7807Coil—Oscillator coil "B & SW" (L13, L14, L17, L18, C19, C24).1.624684Switch—Operating switch (S11).4511Coil—Oscillator coil "PB" (L15, L16, C22).1.524517Tone control (R19).7801Condenser—3-gang variable tuning condenser (C5, C13, C18).4.424433Transformer—First intermediate frequency transformer (L19, L20, C27, C28, C48).	1
Capacitors (C16, C46)	
358   Clamp—Electrolytic capacitor mounting clam  4516   Coil—Antenna coil "PB" (L3, L4, C2)   1.65   6676   Socket—4-contact Radiotron socket   5   Socket—6-contact output Radiotron socket   5   Socket—6-contact output Radiotron socket   5   Socket—6-contact Radiotron socket   5   Socket—6-contact Radiotron socket   5   Socket—6-contact Radiotron socket   5   Socket—7-contact Radiotr	.26
4516   Coil—Antenna coil "PB" (L3, L4, C2)   1.65   6676   Socket—4-contact Radiotron socket   1.65   6676   Socket—6-contact output Radiotron socket   1.82   Socket—6-contact Radiotron socket   1.82   Socket—6-contact Radiotron socket   1.82   Socket—6-contact Radiotron socket   Socket—7-contact Radiotron socket   Socket—6-contact Radiotron socket   Socket—7-contact Radiotron socket   Socket—6-contact Radiotron socket   Socket—6-contact Radiotron socket   Socket—7-contact Radiotron socket   Socket—6-contact Radiotron socket   Socket—7-contact Radiotron socket   Socket—6-contact Radiotron s	.32
Tansformer — First intermediate frequency (L19, L20, C27, C28, C48)	.30
L6, C1, C3)	.40
A514   Coil—Detector Coil "PB" (L9, L10, C10).   1.65   3572   Socket—7-contact Radiotron socket	.40
7805         Coil—Detector coil "B & SW" (L7, L8, L11, L12, C8, C9, C11)	.38
7807   Coil—Oscillator coil "B & SW" (L13, L14, L17, L18, C19, C24)   1.62   4728   Switch—Range switch (S1, S2, S3, S4, S5, S6, S7, S8, S9, S10)   1.52   4517   Tone control (R19)   1.52   431   Transformer — First intermediate frequency transformer (L19, L20, C27, C28, C48)   1.52   1.52   1.52   1.52   1.52   1.53   1.54   1.55   1	.20
L17, L18, C19, C24)	.45
4511   Coil—Oscillator coil "PB" (L15, L16, C22).   1.52   4431   Transformer — First intermediate frequency transformer (L19, L20, C27, C28, C48) (C5, C13, C18)	4.32
7801 Condenser—3-gang variable tuning condenser (C5, C13, C18) 4.42 4431 Transformer — First intermediate frequency transformer (L19, L20, C27, C28, C48)	.90
(C5, C13, C18)	2.28
4340 Lamp—Dial lamp—Package of 5	2.15

## REPLACEMENT PARTS (Continued)

Insist on genuine factory tested parts, which are readily identified and may be purchased from authorized dealers

Stock No.	Description	List Price	Stock No.	Description	List Price
	Transformer—Power transformer 105–125 volts, 50–60 cycles (T1)			REPRODUCER ASSEMBLY TABLE MODEL  Cable—3-conductor—Reproducer cable  Reproducer complete  REPRODUCER ASSEMBLY CONSOLE MODEL  Board—Terminal board assembly  Coil—Field coil, magnet and cone support (L24)  Cone—Reproducer cone (L23)—Package of 5.  Reproducer—Complete  Transformer—Output transformer (T2)  MISCELLANEOUS ASSEMBLY  Bezel—Station selector dial (escutcheon) bezel.  Dial—Station selector dial (secutcheon) bezel.  Indicator—Station selector indicator pointer  Knob—Station selector, volume control, tone control, range switch or operating switch knob—Package of 5.  Ring—Dial glass retaining ring—Package of 5.  Screw—Chassis mounting screw assembly—comprising 4 spacers, 4 screws, 4 lockwashers, 4 washers, 8 cushions—For table model.  Screw—Chassis mounting screw assembly—Comprising 4 spacers, 4 screws, 4 lock-	Price
4378	spring—Package of 5  Stud—Band indicator operating arm stud— Package of 5	.25	4613	washers, 4 washers and 8 cushions—For console model	.40