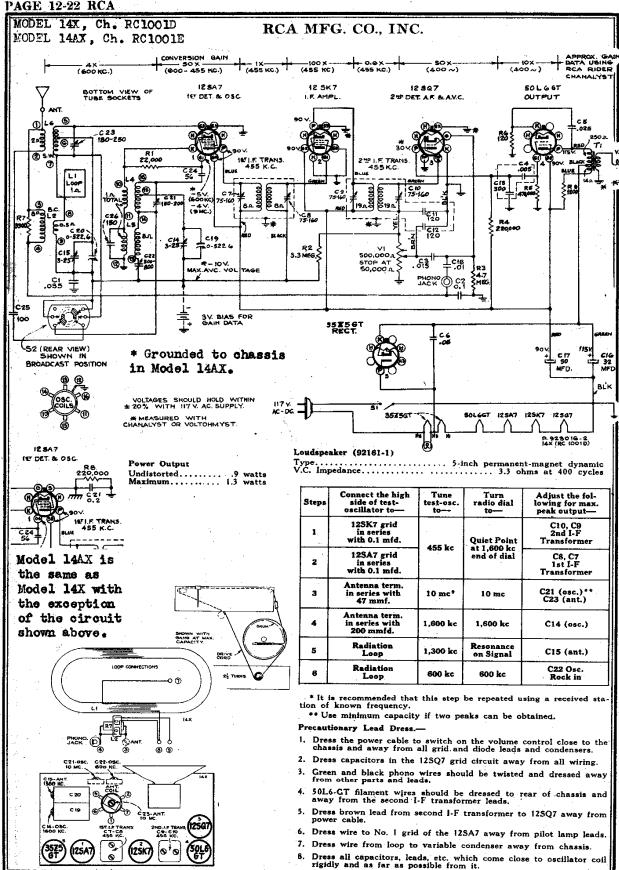
R.C.A. Victor Co., Inc.			
	Model: 14X	Chassis:	Year: Pre April 1941
	Power:	Circuit:	IF:
	Tubes:	•	
	Bands:		
		Resources	
Riders Volume 12 - R	CA 12-22		
Riders Volume 14 - R	CA 14-68		

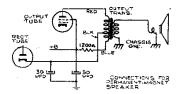


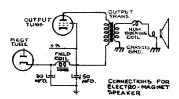
CHANGES NOTES

1X, 12X, 14X SERIES

Speaker changed from "PM" to "EM":

First Production of the following models use RL-81-B2 "PM" (permanent-magnet) speaker. In 2nd Production, the speaker is changed to RL-86-A3 "EM" (electro-magnet) speaker. The circuit for each type of speaker is shown in the accompanying diagrams.





Circuit for "PM" and "EM" Speakers in 1X, 12X, and 14X Scries.

Replacement Parts for the RL-86-A3 "EM" speaker are as follows:

Model Number	Chassis Number	and Voice Coil No.	Trans- former No.
1X, 1X2	RC-1003	35570	35056
1AX, 1AX2	RC-1003A	35570	35056
12X, 12X2	RC-1001B	35570	38994
12AX, 12AX2	RC-1001C	35570	38994
14X, 14X2	RC-1001D	35570	38994
14AX, 14AX2	RC-1001E	35570	38994
Unit List Price:	No. 35570,	\$1.20	
	No. 35056.		

No. 38994, 1.30 The Field Coll for RL-86-A3 Speaker is Stock No. 39543.

1X, 1X2, 1AX, 1AX2, 45X5

Line Bypass Capacitor:

In some production, the .005 mid line bypass is connected from plate to cathode on the rectifier tube, instead of from plate to chassis.

1X, 1X2, 1AX, 1AX2

2nd Production:

The tuning-knob shaft and its "C" washer

Shaft	"C" Washer
1st Prod No. 35343 (1g-in.) 2nd Prod No. 38846 (1g-in.) Capacitor Changes:	No. 34373 No. 38726

C14 changed from .015 to .02 mfd., No. 36248 C17 changed from .085 to .02 mfd., No. 36248 C24 (1AX, 1AX2) changed from .2 to .1 mfd., No. 43763

R4 changed from 2.2 to 3.3 megs., No. 12928

QB2, QB6

I-F or A-F Transformer Breakdown:

In 2nd resistor is connected across the +B circuit electrolytic capacitor to discharge the capacitor when the set is tuned "off." This eliminates any voltage difference (retained by capacitor) between the chassis and I.F and A.F transformer primaries while the set is "off" and therefore reduces transformer breakdown due to electrolysis in humid climates.

CV-112X CONVERTER AC Power Unit for QB2, QB5, QB6:

The CV-112X is designed to convert Models QB2, QB5, and QB6 from battery to ac operation. It differs from the CV-112 in that thas a tapped filament winding to provide correct filament voltage with 4- and 5-tube, or 6-tube receivers. A plug, which fits in a socket on the side of the unit, is used to seket the correct tap, as shown in accompanying diagram.

RCA MFG. CO., INC.

QB3 (RC-539)

C15, 66 mmfd., Stock No. 36072:

In 2nd Production of QB3, C15 is changed to 66 mmfd. (Stock No. 36072, List Price \$.30) to improve tracking.

QB6 (RC-529D)

Service Data:

Model QB6 is essential the same as Model QB2, except for the following parts which are used in the QB6:

Stock No.		Unit List Price
37976	Bracket-Tone control sup-	
	port bracket	25
37999	Dial-Glass dial scale	.75
36103	Decal-Power-volume decal.	.05
37839	Decal-Range switch decal.	.15
35392	Decal-Trade mark decal	.05
35391	Decal-Tuning decal	.05
87838	Frame-Dial frame complete,	
	less dial and pointer	1.25
85650	Knob-Tone control knob.	.25
34861	KnobTuning knob	.35
34862	Knot-Vol. control or range	.00
• • • • •	switch knob	.35

10X, 2ND PRODUCTION Chassis No. RC-1001-B:

The 1st production of Model 10X has chassis No. RC-1001, with an "EM" speaker.

In 2nd production, the chassis is No. RC-1001-B, with RL-81B2 "PM" speaker.

The circuit in 2nd production is the same as shown in the Service Note for Model 12X.

For replacement parts, refer to the 10X Service Note, and the following parts which are used in the 2nd production:

Unit

Stock No.	Description	List Price
36301	Capacitor—Electrolytic, com- prising 1 section of 50 mfd., 150 volts, and 1 section of 30 mfd., 150	
:	volts	1.25
11315	Capacitor 015 mfd	.20
30189	Resistor-120 ohms, 2 watt	.20
6134	Resistor-1,200 ohms, 1 watt	.22
30492	Resistor-22,000 ohms, 2	
	watt	.20
14583	Resistor220,000 olims, 1	
	watt	.20
36800	Transformer Output trans-	
	former	1.30
•	SPEAKER ASSEMBLIES (RL-81B-2)	
35570	Cone Complete with	
36153	voice coil	1.20
	for back	.10
35078	Knob-Volume control or	
	tuning knob	.15

LOCATING INTERFERENCE

With a Model BP-10:

The Model BP-10 "Personal" loop receiver has been used successfully in tracking down the source of electrical interference, and the location of local rectification in stubborn cases of local cross-modulation and hum-modulation. The directional pattern of the BP-10 is essentially a figure "8," with a sharp minimum at right angles to the plane of the loop.

The small size, light weight, and high sensitivity of this battery-operated receiver makes it ideally suited for this work.

BP-10 AND 15BP

Oscillator Coil Color Code:

The correct color code for the oscillator coil in these models is as follows:
Lead to oscillator plate Blue Lead to +B Red
Lead to oscillator grid Green Lead to chassis White

SPEAKER GAUGE No. 39598 For BP-10 Elliptical Speaker:

A special gauge, No. 39598, is now available for centering the voice coil in Model BP-10 with elliptical speaker.

CONE CENTERING GAUGE For BP-10 Round Speakers:

A cone centering gauge for the BP-10 round speaker (Stock No. 36504, Part No. 84991-501) is now available. The gauge is carried as Stock No. 70003.

The cone centering gauge for the BP-10 allowed.

The cone centering gauge for the BP-10 elliptical speaker is Stock No. 39598 (see Supplementary Information 6 and 7).



Stock No. 70003-Cone Centering Gauge

12X, 12X2, 12AX, 12AX2 Antenna Coupling Coil:

aross the primary of the abunt resistor R7 aross the primary of the antenna coupling coil is omitted, and the antenna coupling coil is changed from Stock No. 37356 to 37962, list price \$.75.

14AX, 14AX-2

Changes in 2nd Production:

C3, in grid circuit of 12SQ7, is changed from .015 to .02 mfd., Stock No. 36248.
C5, in 50L6GT plate circuit, is changed from .025 to .02 mfd., Stock No. 36248.
C21, chassis ground to power ground, is changed from .2 to .1 mfd., Stock No. 4839.

14AX2 (RC-1001E)

Service Data:

The Service Data for Model 14AX applies to Model 14AX2, except for the following parts used in 14AX2:

Stock No.		Unit List Price
36801	Coil-Oscillator coil	.65
37353	Condenser-Variable tuning	
	condenser	2.75
38816	BackCabinet back	.25
Y1140	Cabinet	4.50
35071	Knob-Control knob	.15
DT oc	An OTHER	

RL-86-A3 "EM" speaker is used in some production of 14AX2, as specified elsewhere in this supplement.

