

## R.C.A. Victor Co., Inc.

**Model:** R-11

**Chassis:**

**Year:** Pre June 1932

**Power:**

**Circuit:**

**IF:**

**Tubes:**

**Bands:**

### Resources

[Riders Volume 2 - RCA 2-21](#)

[Riders Volume 2 - RCA 2-22](#)

[Riders Volume 2 - RCA 2-23](#)

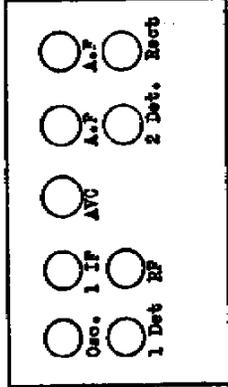


MODEL R-11 AC  
Resistance Data

R. C. A. VICTOR CO., INC.

From Chassis To	Correct	Incorrect
2 Det Control Grid(Pickup Board Terfz)	93.5 ohms	
2 Det Control Grid to V.C. Arm	3,083.6-10,083.5 ohms	
2 Det Cathode	30,000 ohms	
127 Control Grid	7,700 ohms	
127 Screen	52,450 ohms	
127 Screen - '80 Fil	0 ohms	
127 Plate	52,755 ohms	
127 Plate to Plate	610 ohms	
80 Anode to chassis	230,400 ohms	
80 Anode to Anode	230 ohms	
80 Fil to chassis	52,450 ohms	
Across Speaker Field	860 ohms	

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Line Voltage 110. Volume Control does not change voltages.

Tube Heater	Cathode	Control Grid	Screen Grid	Plate	Filament
RF	2.	0.1*	75.	205.	5.0 mm
Osc.	8.	0.	-	60.	5.0
1 Det.	7.	7.0	70.	200.	0.5
IF	2.	0.1*	75.	205.	5.0
AVC	0.	0.	-	25.	-
2 Det.	20.	8.0*	-	180.	0.5
Power	-	10.	210.	205.	2.2
	-	10.	210.	205.	2.2

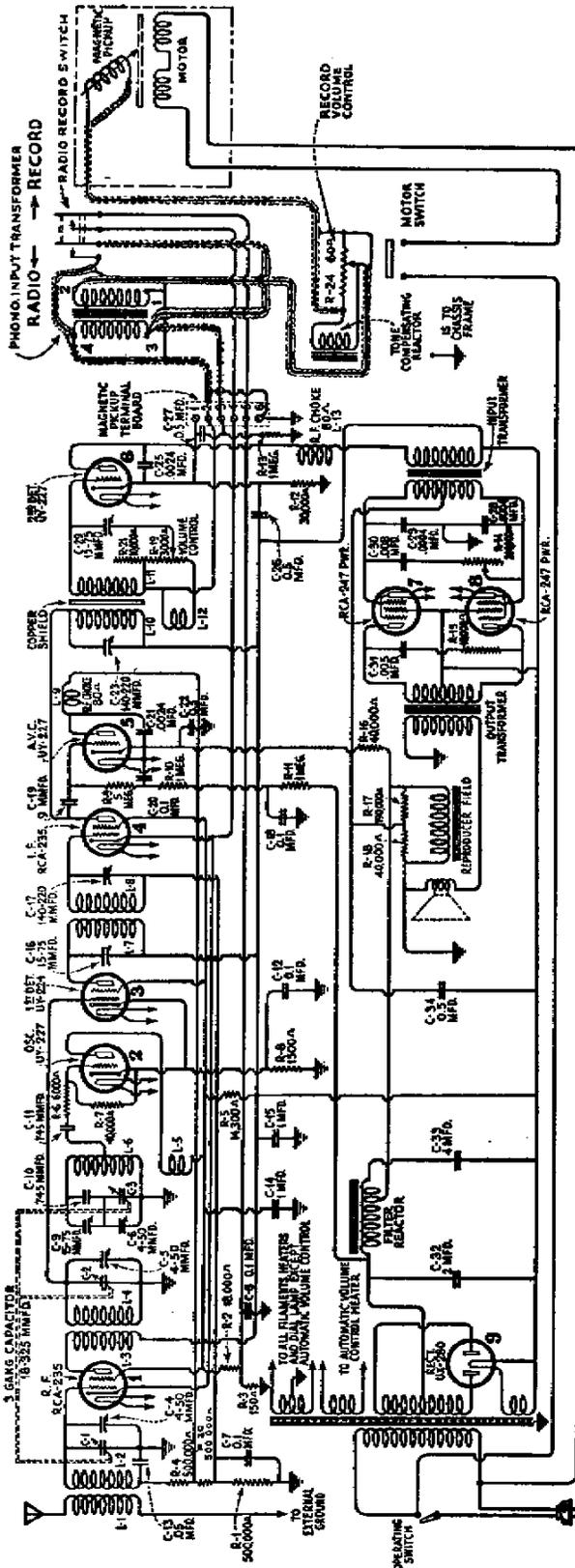
\* Not true reading due to resistance in the circuit.

All tubes removed from sockets and AC plug removed from power supply.  
Field coil disconnected

From Chassis To	Correct	Incorrect
Aerial to Ground post	40 ohms	
Chassis to		
RF Control Grid(early model)	1,000,005 ohms	BLC- in tuned circuit (.1 mfd)
RF Control Grid(late model)	1,500,005 ohms	BLC- in tuned circuit (.05 mfd)
RF Cathode	150 ohms	EC- 1 IF Tr. See -Y
RF Screen Grid	18,150 ohms	EC- rf K-Y (.1 mfd)
		EC- rf SG-Y (1. mfd)
		EC-47 SG-Y (.5 mfd)
		EC-'80 P- Spkr div. tap
		EC- rf P-Y (1. mfd)
		See RF Screen Grid
RF Plate	32,508 ohms	TC-Y
RF Plate to '80 Fil	58 ohms	EC-AVC ohk-Y
1 Detector Control Grid	5 ohms	EC- 1 IF Tr. See -Y
1 Detector Cathode	1,500 ohms	BLC- in tuned circuit (.05 mfd)
1 Detector Screen	18,150 ohms	EC- rf K-Y (.1 mfd)
1 Detector Plate	32,541.5 ohms	EC- rf SG-Y (1. mfd)
1 Detector Plate to '80 Fil	93.5 ohms	EC-47 SG-Y (.5 mfd)
Oscillator Control Grid	41,500 ohms	EC-'80 P- Spkr div. tap
Oscillator Cathode	1,500 ohms	EC- rf P-Y (1. mfd)
Oscillator Plate	18,151 ohms	See RF Screen Grid
Osc Plate and Det Screen	1 ohm	TC-Y
IF Control Grid (all models)	500,041.5 ohms	EC-Y (.5 mfd)
IF Control Grid- AVC Plate (early)	121.5 ohms	TC-1 IF Tr See
IF Screen Grid	18,150 ohms	See RF Screen
IF Plate	32,491.5 ohms	See 1 Detector Plate
IF Plate -'80 Fil	41.5 ohms	TC- 2 IF Tr. Pri.
AVC Control Grid (early)	7,830,285 ohms	BLC- 1f P-AVC Gg(.5mfd)
		EC-5 mg - AVC H (.1mfd)
		EC-1 meg-Y (.1 mfd)
		TC-'80 Anode -80 F(2mfd)
		TC filter chr-80 F(4 mfd)
		EC-AVC K-Y (.5 mfd)
		EC-Spkr divides tap -Y
		EC-AVC K-AVC P(.0024 mfd)
		See early model
AVC Control Grid (late)	4,230,285 ohms	EC-AVC K-AVC P
AVC Cathode	270,000 ohms	EC-AVC K-Y
AVC Plate	1,000,085 ohms	EC-AVC P-AVC K
		See RF Control Grid

R. C. A. VICTOR CO., INC.

MODEL RE-18  
Schematic



IF PEAK 175 KC.

Models R-11, RE-18, RE-19A, RE-19B, RAL-28 (1931)

AF	17	17	17
A.V.C.	77	77	77
OSC	77	77	77
1 DET	74A	74A	74A
2 DET	77	77	77
RECT	77	77	77

PILOT NO. 41 NAZDA  
FRONT

This is a combination radio and electrola incorporating a new type automatic volume control that is quiet between stations. The new motor - board equipment has a synchronous motor using the R. C. A. - Victor Inertia tone arm. The motor is fitted with a speed reducing gear that allows for the playing of both standard and Program Transcription Records.

In many respects this receiver is similar to the R. C. A. - Victor Model R-11 and methods similar to those used in servicing the R-11 can be applied to this Model, noting, of course, that there are some differences.