

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

Model: 811K

Chassis:

Year: Pre October 1937

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

[Riders Volume 8 - RCA 8-153](#)

[Riders Volume 8 - RCA 8-154](#)

[Riders Volume 8 - RCA 8-155](#)

[Riders Volume 8 - RCA 8-156](#)

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[Riders Volume 8 - RCA 8-158](#)

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MODEL 811K
Chassis Wiring

RCA MFG. CO., INC.

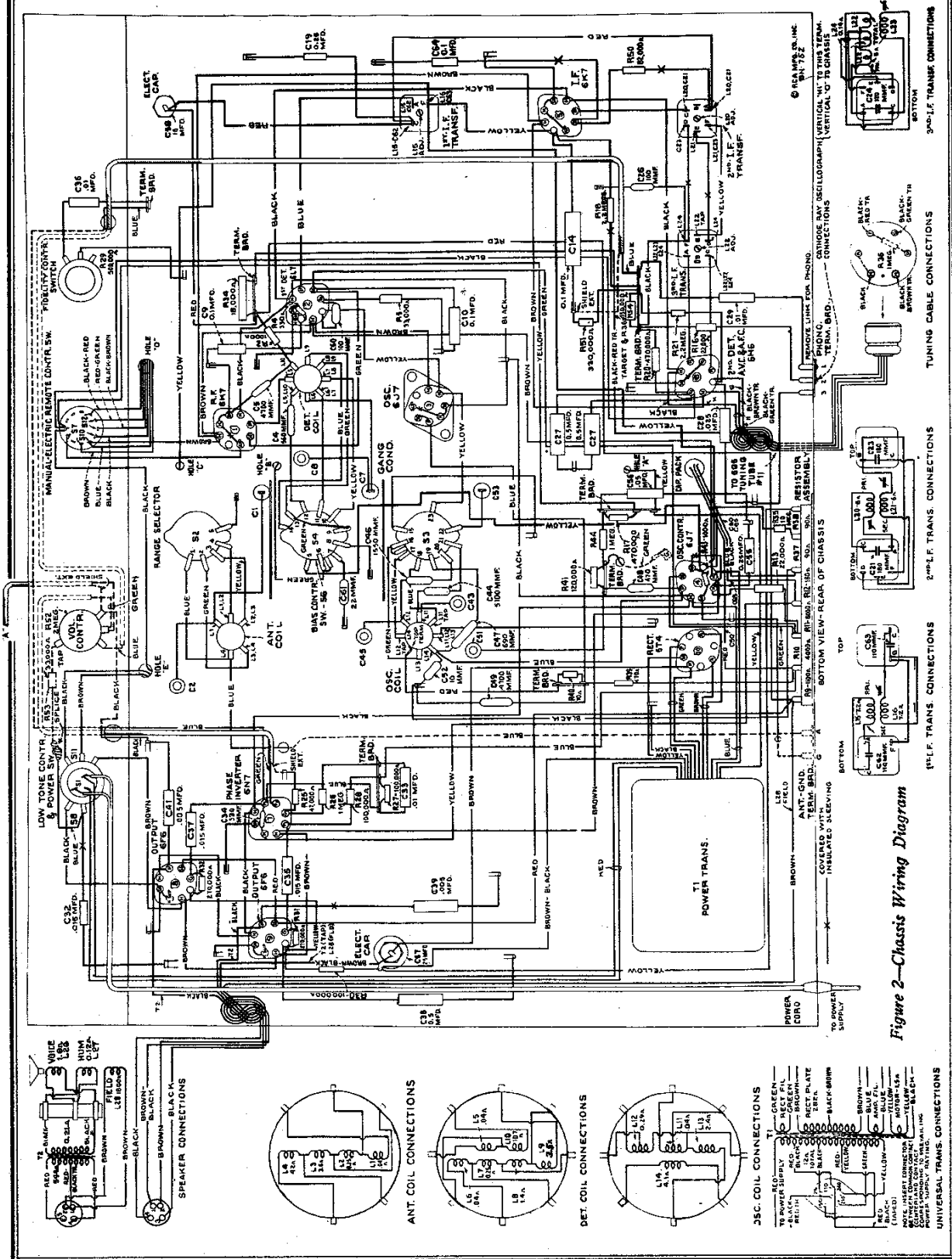


Figure 2—Chassis Wiring Diagram

RCA MFG. CO., INC.

MODEL 811K
Socket, Trimmers

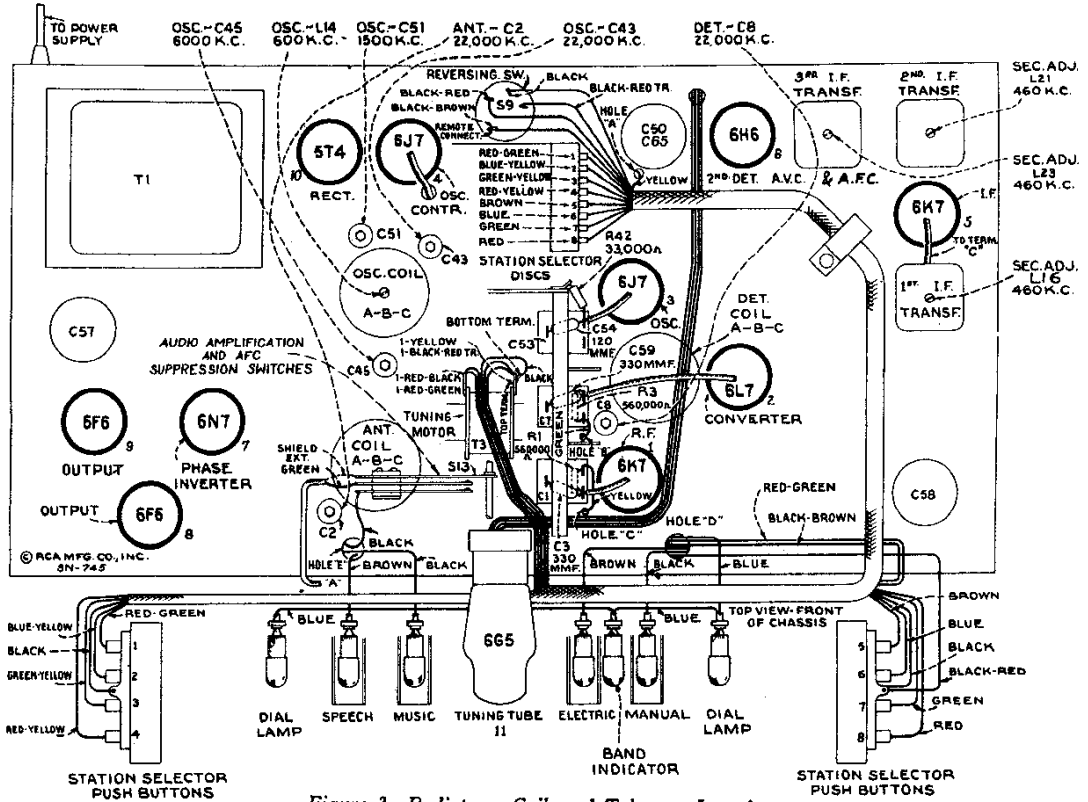


Figure 3—Radiotron, Coil, and Trimmer Locations

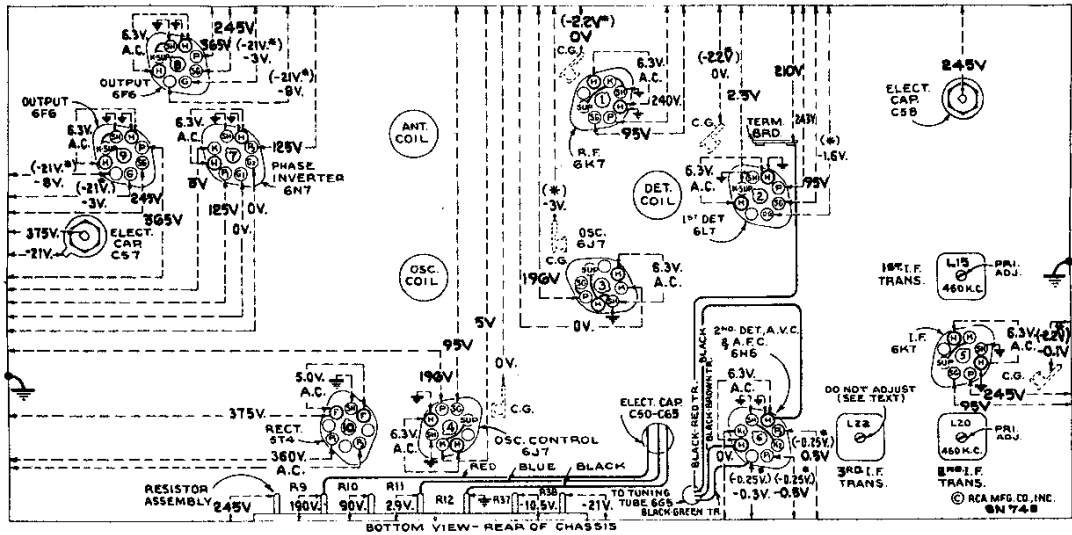


Figure 4—Radiotron Socket Voltages, Coil, and Trimmer Locations

Measured at 115 volts, 60-cycle supply—Tuned to approximately 1,000 kc ("Broadcast")—"Manual" control—No signal being received—Volume control minimum—Tone control optional

Note: Two voltage values are shown for some readings. The value shown in parentheses with asterisk (*) indicates operating conditions without voltmeter loading. The other value (generally lower) is the actual measured voltage and differs from the value shown in parentheses because of the additional loading of the voltmeter.

Voltage values as specified should hold within $\pm 20\%$ when the receiver is normally operative at its rated line voltage. To duplicate the conditions under which the voltages were measured requires a 1,000-ohm-per-volt d-c meter, having ranges of 10, 50, 250, and 500 volts. Use the nearest range above the specified measured voltage. A-c voltages were measured with a corresponding a-c meter.

MODEL 811K

Specifications
"Electric Tuning" Wiring

RCA MFG. CO., INC.

Electrical Specifications

FREQUENCY RANGES
 "Broadcast" (A)..... 530-1,720 kc
 "Medium Wave" (B)..... 2,100-6,800 kc
 "Short Wave" (C)..... 6,800-23,500 kc

R-F ALIGNMENT FREQUENCIES
 "Short Wave" (C)..... 20,000 kc (osc., det., ant.)
 "Medium Wave" (B)..... 6,000 kc (osc.)
 "Broadcast" (A)..... 600 kc (osc.), 1,500 kc (osc.)

Intermediate Frequency..... 460 kc

RADIOTRON COMPLEMENT

- (1) RCA-6K7..... R-F Amplifier
- (2) RCA-6L7..... First Detector
- (3) RCA-6J7..... Heterodyne Oscillator
- (4) RCA-6J7..... Oscillator Control
- (5) RCA-6K7..... I-F Amplifier

- (6) RCA-6H6..... Second Detector, A.V.C., and A.F.C.
- (7) RCA-6N7..... Audio Phase Inverter
- (8) RCA-6F6..... Power Output
- (9) RCA-6F6..... Power Output
- (10) RCA-5T4..... Full-Wave Rectifier
- (11) RCA-6G5..... "Magic Eye" Tuning Tube

Pilot Lamps (6)..... Mazda No. 46, 6.3 volts, 0.25 amp.

POWER SUPPLY RATINGS

Rating A..... 105-125 volts, 50-60 cycles, 140 watts
 Rating B..... 105-125 volts, 25 cycles, 140 watts
 Rating C..... 105-125/140-160/195-250 volts, 50-60 cycles, 140 watts

POWER OUTPUT

Undistorted..... 10 watts
 Maximum..... 12½ watts

LOUDSPEAKER

Type..... 12-inch Electrodynamic
 Impedance (v.c.)..... 2.2 ohms at 400 cycles

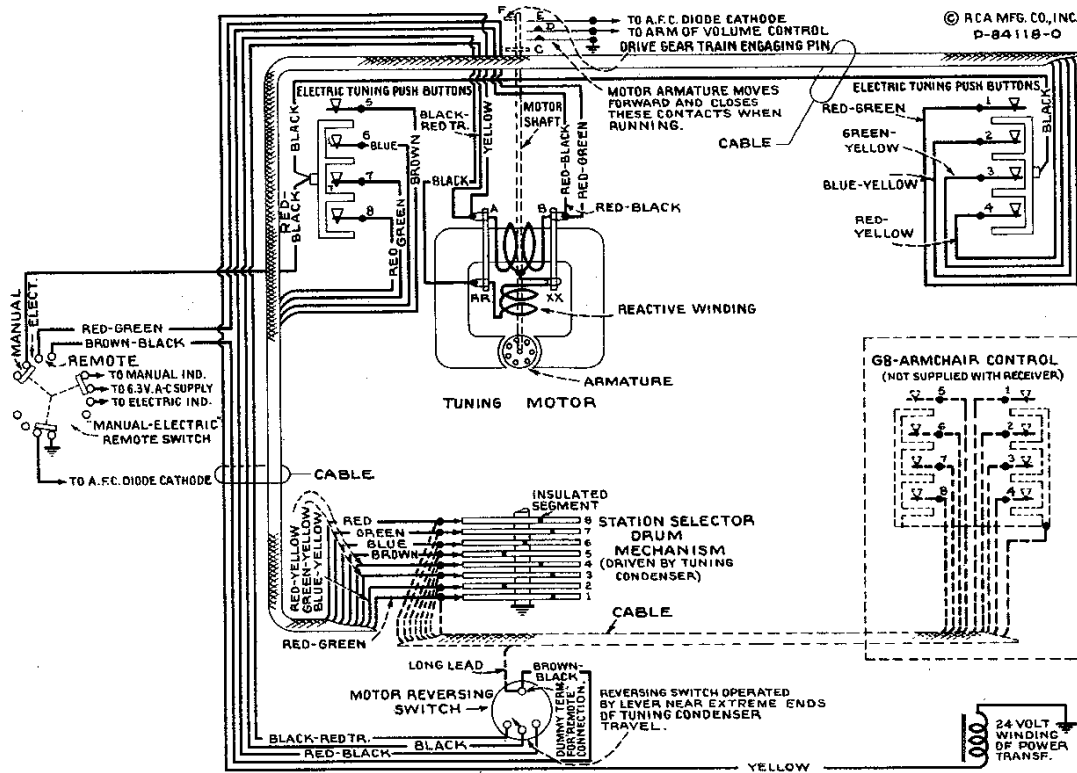


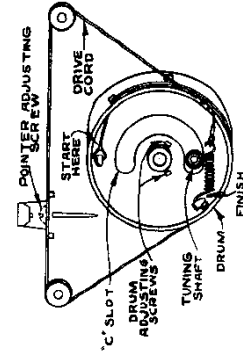
Figure 6—"Electric Tuning" Wiring Diagram
(Viewed from rear of chassis)

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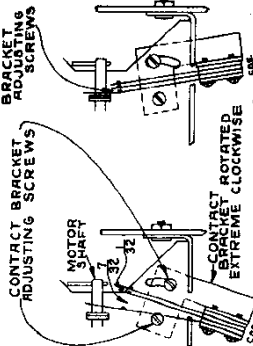
MODEL 811K •
"Electric Tuning"
Adjustments, Assembly



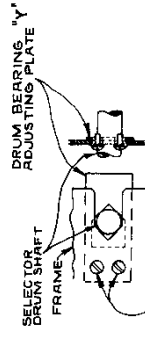
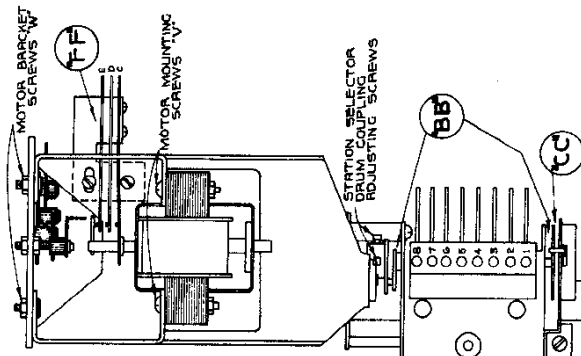
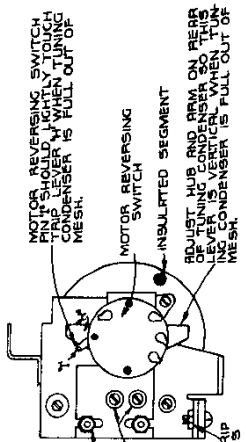
CAUTION:— ADJUST INDICATOR DRUM ON SLIP LUGS OF 'C' SLOT. CLEAR SPACER FROM DRIVE SHAFT FOR CONDENSER FULL-OUT AND FULL-IN MESH POSITIONS.

TUNING INDICATOR DRIVE

BRACKET ROTATED COUNTER CLOCKWISE TILL THIS SPACE TO EXTREME RIGHT WHEN CONTACT BRACKET ADJUSTING SCREWS

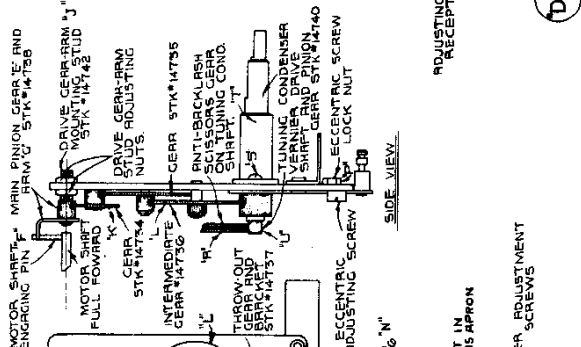


"F-F" A.F.C. AND A.F. AMPLIFICATION SUPPRESSION SWITCHES.

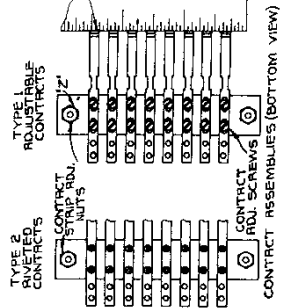
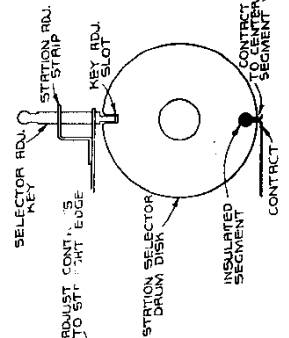
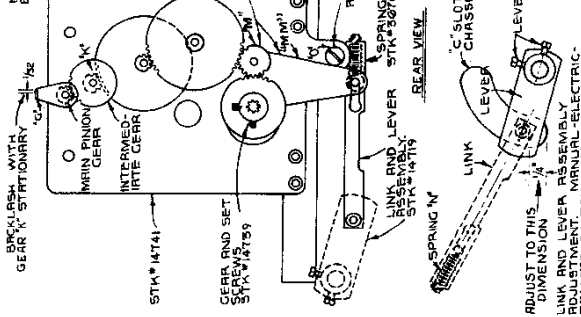


"B-B" STATION SELECTOR DRUM BEARING.

TX-260926
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"A-A" DRIVE GEAR TRAIN ASSEMBLY



"D-D" STATION SELECTOR DRUM CONTACT ADJUSTMENTS

"C-C" MOTOR REVERSING SWITCH ADJUSTMENT.

Figure 5—"Electric Tuning" Mechanism Adjustments

