

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

Model: **2X61**

Chassis:

Year: **Pre 1955**

Power:

Circuit:

IF:

Tubes:

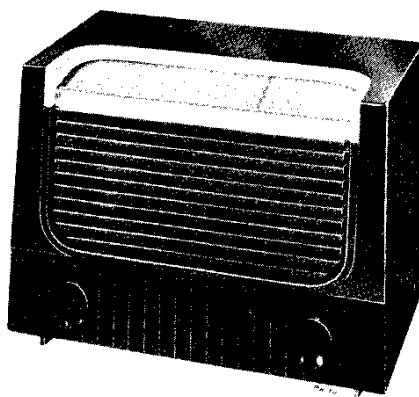
Bands:

Resources

Riders Volume 23 - RCA 23-27

Riders Volume 23 - RCA 23-28

MODELS 2X61, 2X62, Ch.
RC1080C, RC1080D



Model 2X61 Maroon Model 2X62 Ivory

SPECIFICATIONS

Tuning Range 540—1600 kc
Intermediate Frequency 455 kc

Tube Complement

- (1) RCA 12SK7 R.F. Amplifier
- (2) RCA 12SA7 Converter
- (3) RCA 12SK7 I.F. Amplifier
- (4) RCA 12SQ7 Det.-A.V.C.-A.F. Amp.
- (5) RCA 35L6GT Output
- (6) RCA 35Z5GT Rectifier

Power Supply Rating

115 volts d. c. or 50 to 60 cycles a. c. 35 watts

Dial Lamp 2 Mazda type 1490, 3.2 volts, 0.15 amp.

Loudspeaker

Size and type 4-in. P.M.
Voice coil impedance 3.2 ohms at 400 cycles

Power Output

Undistorted 0.85 watt
Maximum 1.15 watts

Tuning Drive Ratio 8.5 to 1 (4 1/4 turns of knob)

Weight

Cabinet Dimensions 8 lbs.

Cabinet Dimensions

Height 8 1/2" Width 11 1/4" Depth 7 1/2"

STOCK No.	DESCRIPTION	STOCK No.	DESCRIPTION
	CHASSIS ASSEMBLIES		
77143	RC 1080C—Model 2X61 RC 1080D—Model 2X62	503112	120 ohms, $\pm 10\%$, 1/2 watt, R4, R11
77144	Antenna—Antenna loop and back cover assembly—maroon—for Model 2X61	503118	180 ohms, $\pm 10\%$, 1/2 watt, R1
77144	Antenna—Antenna loop and back cover assembly—ivory—for Model 2X62	503127	270 ohms, $\pm 10\%$, 1/2 watt, R15
77143	Back—Cabinet back cover and antenna loop assembly—maroon—for Model 2X61	513212	1200 ohms, $\pm 10\%$, 1 watt, R12
77144	Back—Cabinet back cover and antenna loop assembly—ivory—for Model 2X62	503312	12,000 ohms, $\pm 10\%$, 1/2 watt, R2
77145	Capacitor—Variable tuning capacitor complete with drive drum, C1, C2, C3, C4, C5, C6	503322	22,000 ohms, $\pm 10\%$, 1/2 watt, R3
39042	Capacitor—Ceramic, 47 mmf., C8	503356	56,000 ohms, $\pm 10\%$, 1/2 watt, R7
71924	Capacitor—Ceramic, 56 mmf., C9	503410	100,000 ohms, $\pm 10\%$, 1/2 watt, R16
73501	Capacitor—Ceramic, 150 mmf., C12, C13	503422	220,000 ohms, $\pm 10\%$, 1/2 watt, R5, R6
73473	Capacitor—Ceramic, 4700 mmf., C20	503447	470,000 ohms, $\pm 10\%$, 1/2 watt, R10
74662	Capacitor—Electrolytic comprising 1 section of 80 mfd., 150 volts and 1 section of 50 mfd., 150 volts, C19A, C19B	503522	2.2 megohm, $\pm 10\%$, 1/2 watt, R8
73595	Capacitor—Tubular, paper, .0022 mfd., 600 volts, C14	503547	4.7 megohm, $\pm 10\%$, 1/2 watt, R9
73797	Capacitor—Tubular, paper, .015 mfd., 600 volts, C16	74691	Shaft—Tuning knob shaft
73553	Capacitor—Tubular, paper, .047 mfd., 400 volts, C17, C18	74697	Socket—Dial lamp socket
73551	Capacitor—Tubular, paper, 0.1 mfd., 400 volts, C10, C11	54414	Socket—Tube socket
73794	Capacitor—Tubular, paper, 0.22 mfd., 400 volts, C21	76368	Spring—Drive cord spring
73935	Clip—Mounting clip for I.F. transformer	33634	Switch—"Radio-Phono" switch, S2
74693	Coil—Oscillator coil complete with adjustable cores, L3, L4	73036	Transformer—First I.F. transformer complete with adjustable cores, T1
73677	Coil—R.F. coil complete with adjustable cores, L1, L2	73037	Transformer—Second I.F. transformer complete with adjustable cores, T2
35787	Connector—Phono input connector	73976	Transformer—Output transformer, T3
75474	Connector—Single contact male connector for output transformer leads (2 req'd)	35969	Washer—"C" washer for tuning knob shaft
38410	Control—Volume control and power switch, R14, S1		SPEAKER ASSEMBLIES
72853	Cord—Drive cord (approx. 50" overall)		971495-3
70392	Cord—Power cord and plug	76391	Speaker—4" P.M. speaker complete with cone and voice coil (3.2 ohms)
73693	Grommet—Power cord strain relief (1 set)		MISCELLANEOUS
72283	Grommet—Rubber grommet for mounting tuning capacitor	Y2445	Cabinet—Plastic cabinet—maroon—complete with dial escutcheon for Model 2X61
77142	Pointer—Station selector pointer	Y2446	Cabinet—Plastic cabinet—ivory—complete with dial escutcheon for Model 2X62
72602	Pulley—Drive cord pulley	77146	Dial—Polystyrene dial scale
514033	Resistor—Fixed, composition:—33 ohms, $\pm 20\%$, 1 watt, R13	77241	Escutcheon—Dial escutcheon
		74931	Knob—Control knob—maroon—for Model 2X61
		72645	Knob—Control knob—ivory—for Model 2X62
		71116	Lamp—Dial lamp—Mazda 1490
		74301	Screw—#8 x 3/4" binder head screw (cross recessed) for mounting dial
		30900	Spring—Retaining spring for knobs

† Stock No. 72953 is a reel containing 250 feet of cord.

APPLY TO YOUR RCA DISTRIBUTOR FOR PRICES OF REPLACEMENT PARTS

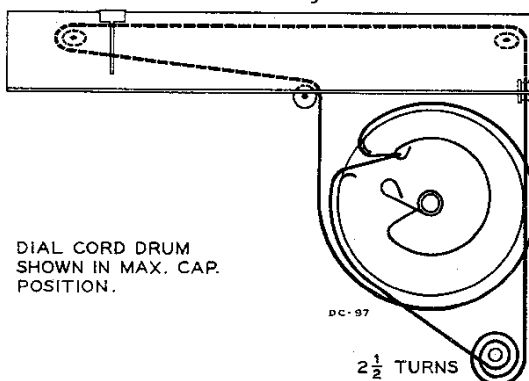
The position of the speaker is adjustable; the correct position is indicated on the illustration "Tube and Trimmer Locations."

Cathode Ray Alignment is the preferable method. Connections for the oscilloscope are shown on the schematic diagram.

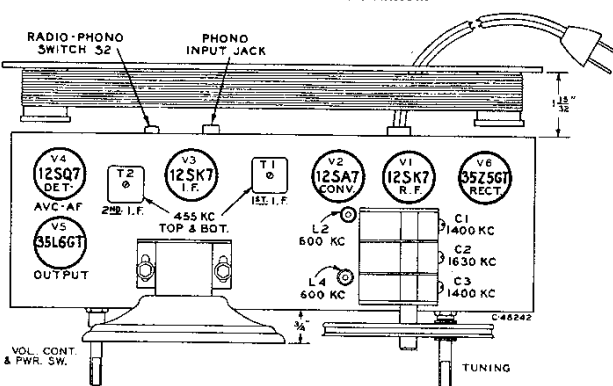
Test Oscillator.—Connect low side of test oscillator to common wiring in series with a .1 mf. capacitor. If the test oscillator is a c. operated it may be necessary to use an isolation transformer for the receiver during alignment and the low side of the test oscillator connected directly to common wiring at the electrolytic capacitor. Keep the oscillator output low to prevent a-v-c action.

Correction to Alignment Procedure:

The oscillator trimmer C6 should be adjusted at 1620 kc as stated in the Service Data, but the r.f. trimmer (C5) and the antenna trimmer (C4) should be adjusted for maximum when the receiver is tuned to a 1400 kc signal.



Dial Indicator and Drive Mechanism



The position of the loop antenna in relation to the chassis affects adjustment of C4. The correct position is indicated on the illustration "Tube and Trimmer Locations."

Tube and Trimmer Locations

