



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

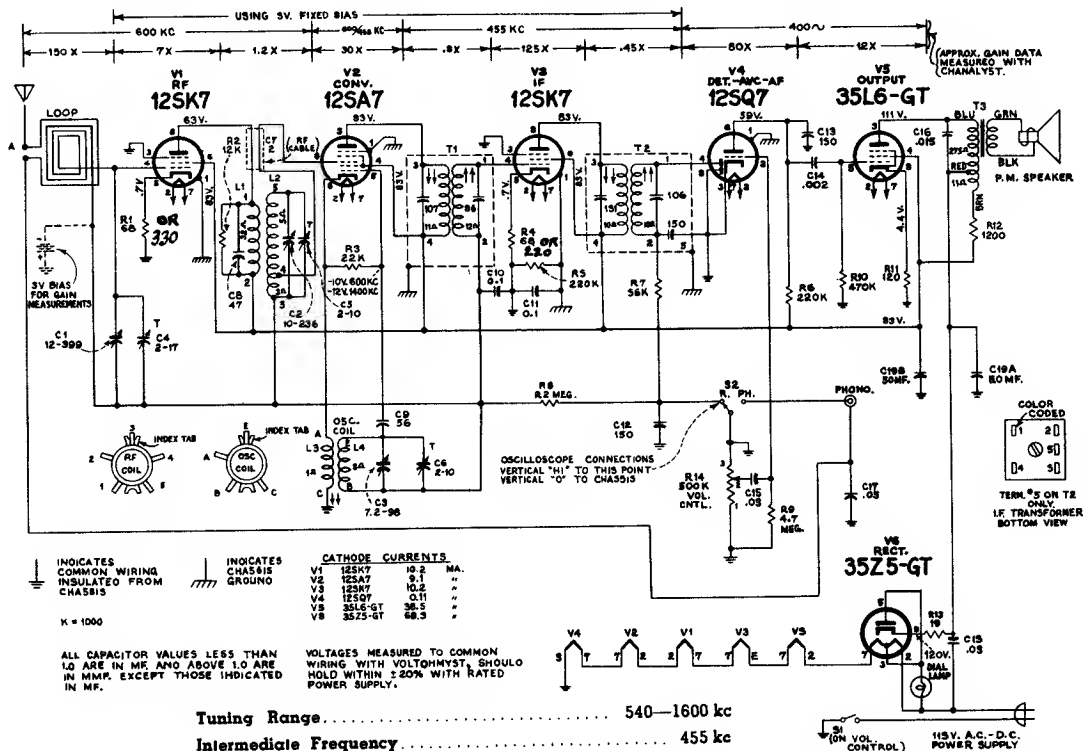
	Model: 9X571	Chassis:	Year: Pre 1951
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
Beitmans 1950 125			
Riders 20 (XX) RCA 20-17			
Riders 20 (XX) RCA 20-18			
Riders 22 (XXII) RCA 22-15			
Riders 22 (XXII) RCA 22-16			

MANUAL OF 1950 MOST-OFTEN-NEEDED RADIO DIAGRAMS

RCA VICTOR

MODELS 9X641, 9X642

Chassis No. RC-1080 RC-1080A

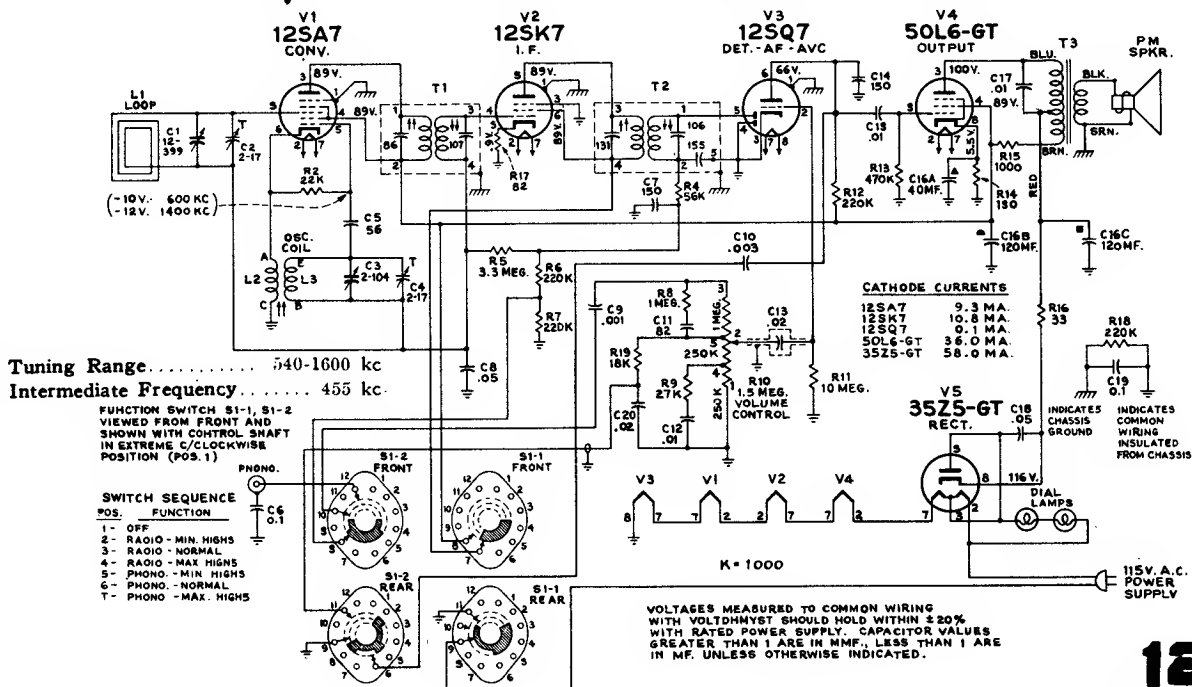


In some chassis an alternate filter capacitor is used which has three sections. The low voltage section (20 mf. 25 volts) is not used. The alternate capacitor is mounted on top of the chassis and is available as Stock No. 73975.

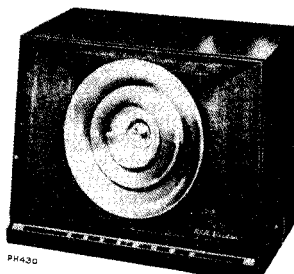
RCA VICTOR

MODELS 9X571, 9X572

Chassis No. RC-1079 RC-1079A



MODELS 9X571, Ch. RC-1079;
9X572, Ch. RC-1079A



9X571
Maroon

9X572
Ivory

Specifications

Tuning Range.....	540-1600 kc
Intermediate Frequency.....	455 kc
Tube Complement	
(1) RCA 12SA7.....	Converter
(2) RCA 12SK7.....	I-F Amplifier
(3) RCA 12SQ7.....	Det.—A.V.C.—A-F Amp.
(4) RCA 50L6GT.....	Output
(5) RCA 35Z5GT.....	Rectifier
Power Supply Rating	
115 volts a.c., 50 to 60 cycles or d.c.....	30 watts
Power Output	
Undistorted.....	1.1 watts
Maximum.....	1.75 watts

Dial Lamps (2)..... Mazda type 1490, 3.2 volts, .16 amp.
Loudspeaker (92586-2W)

Size and Type..... 8 in. P.M.
Voice Coil Impedance..... 3.2 ohms at 400 cycles

Cabinet Dimensions
Height... 9 1/16" Width... 12 1/2" Depth... 8 1/16"

Weight..... 10 lbs.

Tuning Drive Ratio..... 9 to 1 (4 1/2 turns of knob)

POWER SUPPLY POLARITY.—For operation on d.c., the power plug must be inserted in the outlet for correct polarity. If the set does not function, reverse the plug. On a.c., reversal of the plug may reduce hum.

Replacement Parts

Stock No.	DESCRIPTION	Stock No.	DESCRIPTION
CHASSIS ASSEMBLIES			
	RC 1079 Model 9X571	*74659	Shaft—Tuning knob shaft and pulley
	RC 1079A Model 9X572	31251	Socket—Tube socket, octal
*74655	Back—Cabinet back (tan) and loop assembly..... L1	*74663	Socket—Dial lamp sockets and lead assembly
*74653	Capacitor—Variable tuning capacitor, C1, C2, C3, C4	74038	Spring—Tension spring for drive cord
71924	Capacitor—Ceramic, 56 mmf..... C5	*74676	Switch—Function switch..... S1
71514	Capacitor—Ceramic, 82 mmf..... C11	73036	Transformer—First I.F. transformer..... T1
73501	Capacitor—Ceramic, 150 mmf..... C7, C14	73037	Transformer—Second I.F. transformer..... T2
*74678	Capacitor—Electrolytic, comprising 2 sections of 120 mfd., 150 volts and 1 section of 40 mfd., 25 volts..... C16A, C16B, C16C	*74677	Transformer—Output transformer..... T3
73186	Capacitor—Tubular, .001 mfd., 400 volts..... C9	33726	Washer—"C" washer for tuning knob shaft
73961	Capacitor—Tubular, .003 mfd., 200 volts..... C10	SPEAKER ASSEMBLY	
71923	Capacitor—Tubular, .01 mfd., 200 volts..... C12		92586-2W
71928	Capacitor—Tubular, .01 mfd., 400 volts..... C15, C17		RL105C2
73553	Capacitor—Tubular, .02 mfd., 200 volts..... C13, C20	*74758	Cone—Cone and voice coil assembly
70617	Capacitor—Tubular, .05 mfd., 400 volts..... C8, C16	*74679	Speaker—8" P.M. speaker complete with cone and voice coil
73935	Capacitor—Tubular, .01 mfd., 400 volts..... C19, C6		NOTE—If stamping on speaker does not agree with above number, order replacement parts by referring to model number of instrument, number stamped on speaker and full description of part required.
74448	Clip—Mounting clip for I.F. transformer..... L2, L3	MISCELLANEOUS	
35787	Coil—Oscillator coil..... R10	*74683	Base—Grille base for diffuser rings
71596	Connector—Phone input connector (socket)	*74687	Button—Diffuser decorative button
72993	Cord—Dial drive cord (approx. 43" overall length required)	Y2133	Cabinet—Plastic cabinet—maroon—less diffuser rings and dial—Model 9X571
73693	Grommet—Power cord strain relief (1 set)	Y2134	Cabinet—Plastic cabinet—ivory—less diffuser rings and dial—Model 9X572
72283	Grommet—Rubber grommet for mounting tuning capacitor (3 required)	74904	Clamp—Dial clamp
*74658	Indicator—Station selector indicator (ivory) for Model 9X571	*74671	Clip—Dial clip (1 set)
*74657	Indicator—Station selector indicator (red) for Model 9X572	*74689	Cushion—Rubber cushion between cabinet and grille base
71116	Lamp—Dial lamp—Mazda 1490		Decal—Function switch decal
*74651	Plate—Dial back plate (maroon) complete with three (3) pulleys for Model 9X571	*74698	Dial—Dial scale
*74652	Plate—Dial back plate (ivory) complete with three (3) pulleys for Model 9X572	*74674	Emblem—"RCA Victor" emblem
18469	Plate—Bakelite mounting plate for electrolytic capacitor	*74680	Knob—Function switch knob—light tan—for Model 9X572
72313	Resistor—Fuse type, 33 ohms..... R16	*74681	Knob—Function switch knob—maroon—for Model 9X571
	Resistors—Fixed composition resistors	*74666	Knob—Volume control or tuning knob—maroon—for Model 9X571
	82 ohms, $\pm 10\%$, 1/2 watt..... R17	*74806	Knob—Volume control or tuning knob—light tan—for Model 9X572
	150 ohms, $\pm 10\%$, 1/2 watt..... R14	74340	Nut—Speed nut to hold diffuser rings (18 required)
	1,000 ohms, $\pm 10\%$, 1 watt..... R15	*74668	Nut—Speed nut to hold diffuser rings (18 required)
	18,000 ohms, $\pm 10\%$, 1/2 watt..... R12		Ring—Outer diffuser ring (7" diameter)
	22,000 ohms, $\pm 10\%$, 1/2 watt..... R19	*74664	Ring—Middle diffuser ring (4 1/2" diameter)
	27,000 ohms, $\pm 10\%$, 1/2 watt..... R9	*74685	Ring—Inner diffuser ring (2 1/2" diameter)
	56,000 ohms, $\pm 10\%$, 1/2 watt..... R4	74301	Screw—No. 8 $\times$ 3/4" pan head, cross-recessed screw for mounting grille base (6 required)
	220,000 ohms, $\pm 10\%$, 1/2 watt..... R6, R7, R12, R18	*74734	Spring—Retaining spring for knobs
	470,000 ohms, $\pm 10\%$, 1/2 watt..... R13		
	1 megohm, $\pm 10\%$, 1/2 watt..... R8		
	3.3 megohms, $\pm 10\%$, 1/2 watt..... R5		
	10 megohm, $\pm 10\%$, 1/2 watt..... R11		

MODELS 9X571, Ch. RC-1079;
9X572, Ch. RC-1079A

Critical Lead Dress

1. Dress all heater leads down to chassis and away from all audio grid and plate wiring.
2. Dress power cord to back apron and away from phone jack.
3. Dress capacitor C18 against back apron.
4. Connect shielded capacitor C13 direct and with a minimum of exposed leads.
5. Dress dial lamp leads on top of chassis around electrolytic capacitor and between 12SQ7 and 50L6GT tubes.
6. Dress output transformer leads down to chassis.
7. Dress excess loop leads away from tubes and clear of tuning condenser.

Test-Oscillator.—For all alignment operations, connect the low side of the test-oscillator to the receiver chassis, and keep the oscillator output as low as possible to avoid a-v-c action.

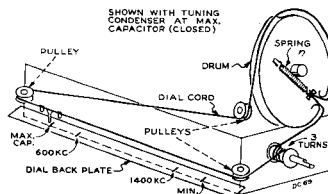
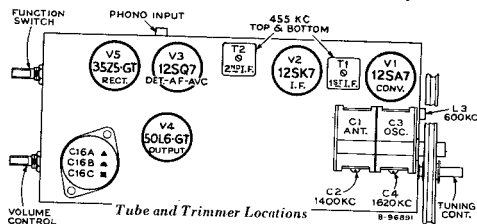
On AC operation an isolation transformer (115 v./115 v.) may be necessary for the receiver if the test oscillator is also AC operated.

Dial Calibration

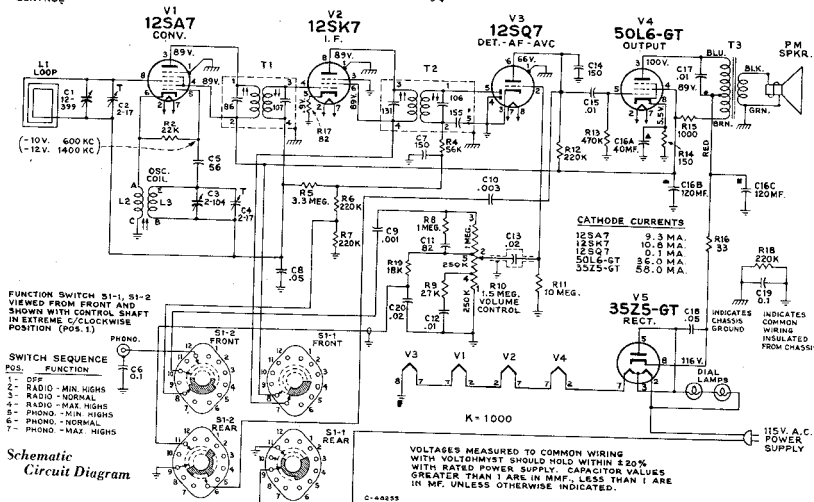
With the tuning condenser fully meshed, the dial pointer should be set to the first score mark at the left-hand end of the dial back plate. The four score marks represent: Max. cap. 600 kc 1400 kc min. cap.

Steps	Connect the high side of test-oscillator to—	Tune test-osc. to—	Turn radio dial to—	Adjust the following for max. output
1	12SK7 I-F grid through 0.1 mfd. capacitor	455 kc	Quiet-point 1600 kc end of dial	T2 (top and bottom) 2nd I-F trans.
2	Stator of C1 through 0.1 mfd.			*T1 (top and bottom) 1st I-F trans.
3				
4	Short wire placed near loop to radiate signal	1620 kc	Min. cap.	C4 (osc.)
5		1400 kc	1400 kc	†C2 (ant.)
5		600 kc	600 kc	L3 (osc.) Rock gang
6		Repeat steps 3, 4 and 5.		

*Do not readjust T2 when test oscillator is connected to C1.
†When adjusting C2 (ant. trimmer) it is necessary to have the loop in the same position and spacing as it will have when assembled in the cabinet.



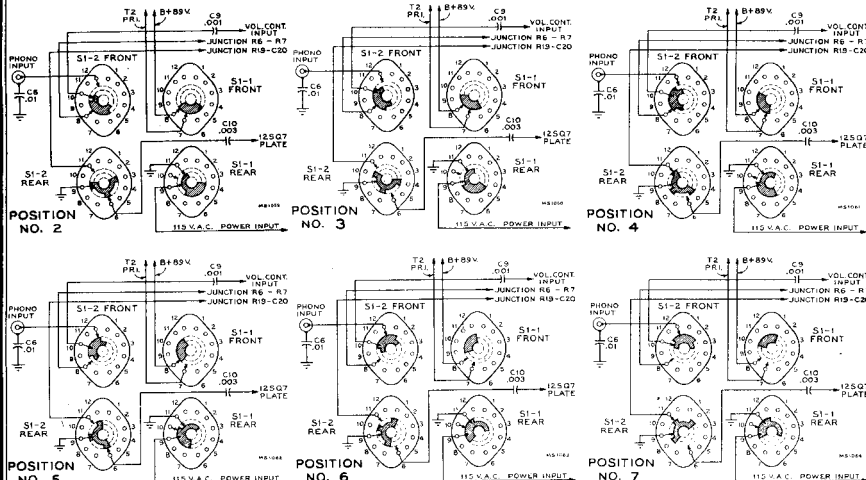
Dial Indicator and Drive Cord



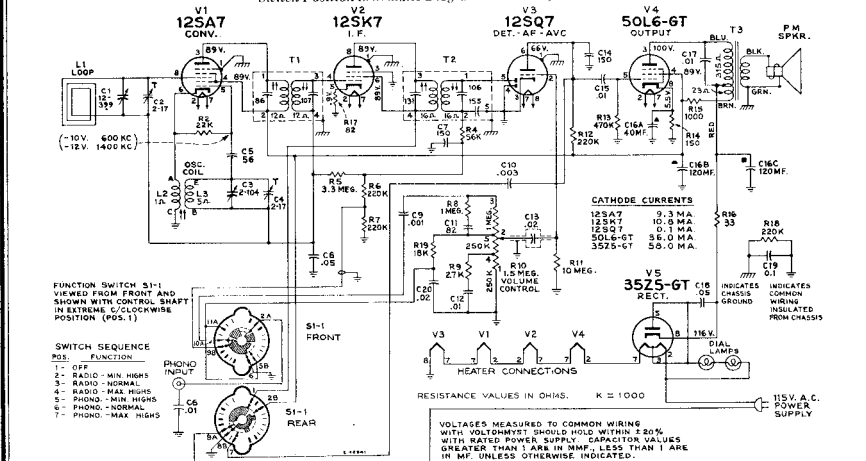
NOTE: For Add. data,
See 9X571, on Pgs.
20-17 to 20-18.

Stock No.	DESCRIPTION
75936	Switch—Function switch for RC-1079E, RC-1079F S1 SPEAKER ASSEMBLIES STAMPED 92586-4W
74759	Cone—Cone and voice coil assembly
74664	Speaker—8" P.M. speaker complete with cone and voice coil

MODELS 9X571, Ch.
RC-1079E; 9X572,
Ch. RC-1079A,
RC-1079F



Switch Position Schematic Diagrams—RC-1079, RC-1079A



Schematic Diagram—RC-1079E, RC-1079F

SPEAKER GRILLE DIFFUSER RINGS

In early production the speaker diffuser rings were fastened in place to the metal speaker grille with speed nuts slipped over plastic tabs protruding through the metal grille base.

In late production these protruding plastic tabs are deformed by heat application, securely fastening the diffuser rings to the metal grille base.

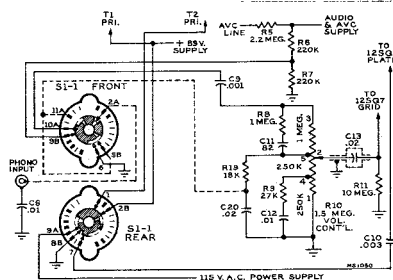
If replacement of any of the diffuser rings is required, it is only necessary to tightly press the rings against the cabinet, and deform the plastic tabs from the inside with a hot soldering iron.

Any ring may be removed or installed without removing any of the other rings. This may be done by pressing on opposite outer edges to form an ellipse large enough to slip over the next smaller ring. Before any ring can be removed, it is necessary to unfasten the plastic tabs which project into the cabinet.

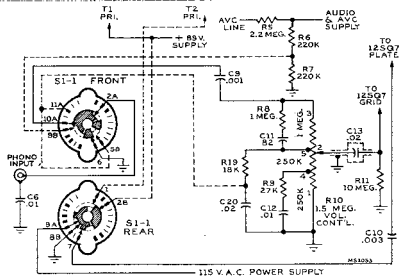
PAGE 22-16 RADIO CORPORATION OF AMERICA

CHASSIS RC-1079A,
RC-1079E, RC-1079F

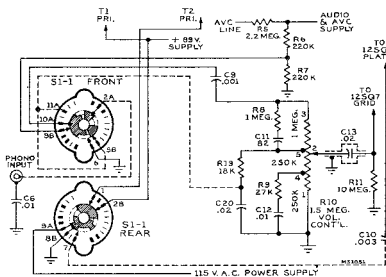
Loudspeaker (92586-2W or 92586-4W)
Size and Type..... 8 in. PM
Voice Coil Impedance..... 3.2 ohms at 400 cycles



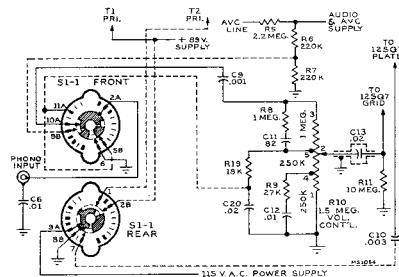
POSITION No. 2—RADIO MIN. HIGHS



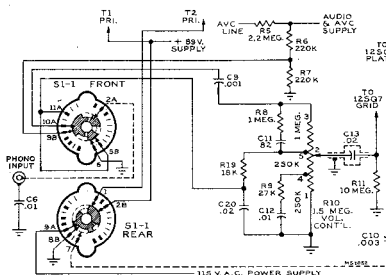
POSITION No. 5—PHONO MIN. HIGHS



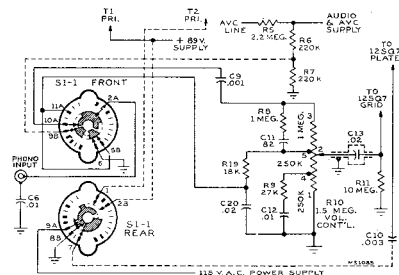
POSITION No. 3—RADIO NORMAL



POSITION No. 6—PHONO NORMAL



POSITION No. 4—RADIO MAX. HIGHS



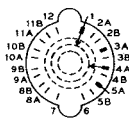
POSITION No. 7—PHONO MAX. HIGHS

Selector Switch

Switch contacts #2, 3, 4, 5, 8, 9, 10 and 11 have alternate positions designated as "A" and "B." Either 2A or 2B (but not both) may be used on "FRONT" of a switch waver. Either (but not both) may be used on "REAR" of a switch waver. Either may be used on both "FRONT" and "REAR." This also applies to contacts #3, 4, 5, 8, 9, 10 and 11.

Switch contacts #1, 6, 7 and 12 do not have alternate positions.

SELECTOR SWITCH



Switch Position Schematic Diagrams Chassis RC-1079E, RC-1079F

- CONTACT ON SIDE SHOWN
- CONTACT ON REVERSE SIDE
- NO CONTACT EITHER SIDE
- UNUSED CONTACT
- DUMMY TERMINAL

HUM REDUCTION

Due to the excellent bass reproduction of these instruments the critical lead dress should be closely observed to obtain minimum hum. The outside foil polarity of capacitors in the audio circuit should not be reversed.