



RCA VICTOR



STEREO-HIGH FIDELITY COMBINATION

MODEL SHC664 "THE CARIOCA"

SERVICE DATA



MODEL SHC664 "THE CARIOCA"

ELECTRICAL AND MECHANICAL SPECIFICATIONS

TUNING RANGE

Standard Broadcast (AM) 540-1,600 kc.

INTERMEDIATE FREQUENCIES

AM 455 kc.

POWER SUPPLY RATING

115 volts, 60 cycles, 145 watts (includes record changer)

RECORD CHANGER (COLLARO CONQUEST STEREO)

Turntable speed 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 or 78 r.p.m.

Record capacity Up to fifteen 7 inch
or twelve 10 inch

or ten 12 inch and 10 inch intermixed

Pickup (Stock No. 63-24044) Stereophonic Ceramic

Stylus (Stock No. 63-24045) 3 mil syn. sapphire

Stylus (Stock No. 63-24046) 0.7 mil diamond

MUSIC POWER OUTPUT 6 watts (each channel)

FREQUENCY RESPONSE 50—20,000 cycles

LOUDSPEAKERS

Two 10" PM "woofers" 8 ohms @ 400 cycles

Two 3 $\frac{1}{2}$ " PM "tweeters" 8 ohms @ 3000 cycles

TUBE COMPLEMENT

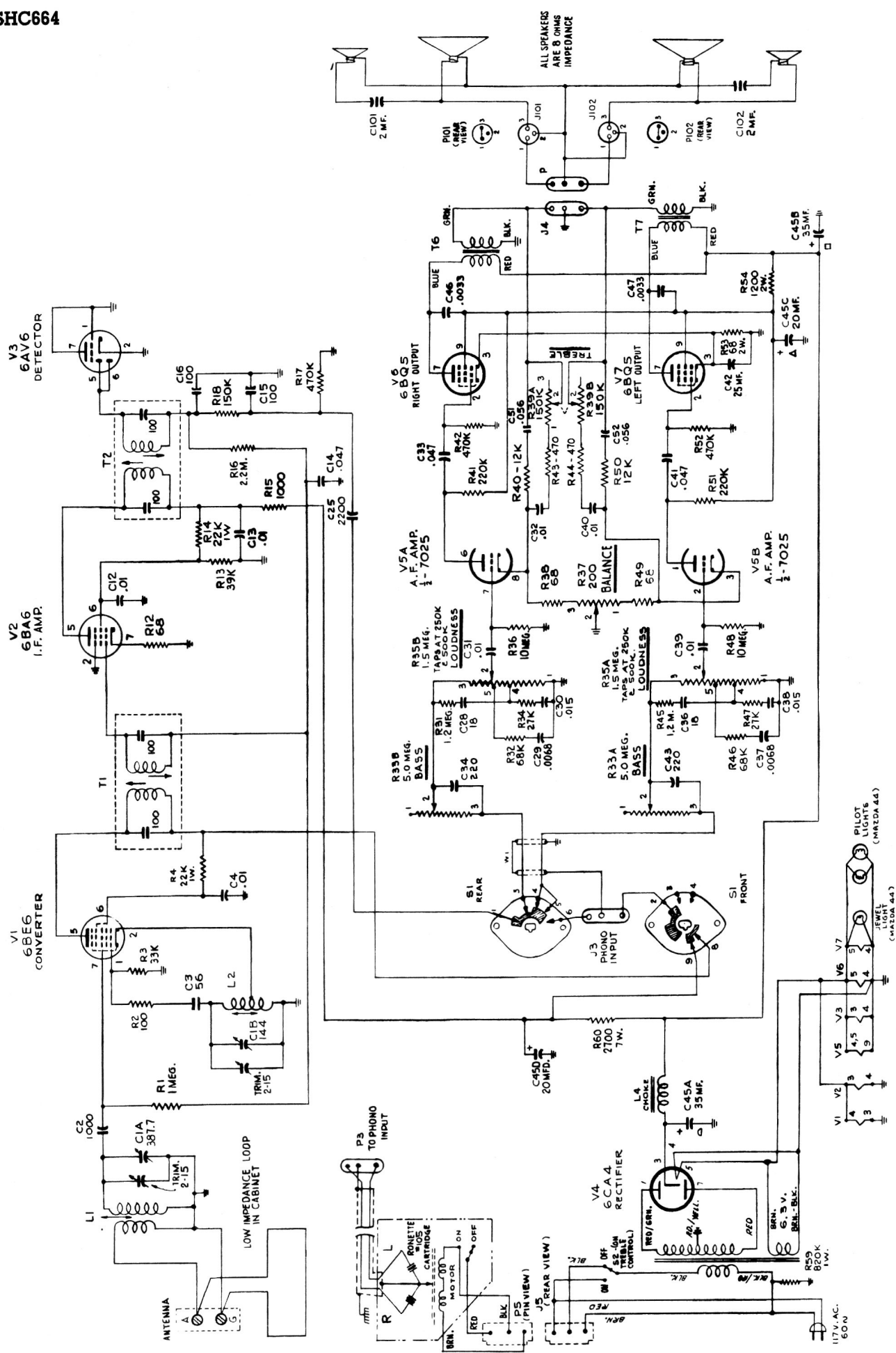
SYMBOL	TYPE	FUNCTION
V-1	RCA 6BE6	RF Convertor
V-2	RCA 6BA6	IF Amplifier
V-3	RCA 6AV6	Detector
V-4	RCA 6CA4	Rectifier
V-5	RCA 7025	A.F. Amplifier
V-6	RCA 6BQ5	Right Channel Output
V-7	RCA 6BQ5	Left Channel Output

SUPPLEMENTARY INFORMATION

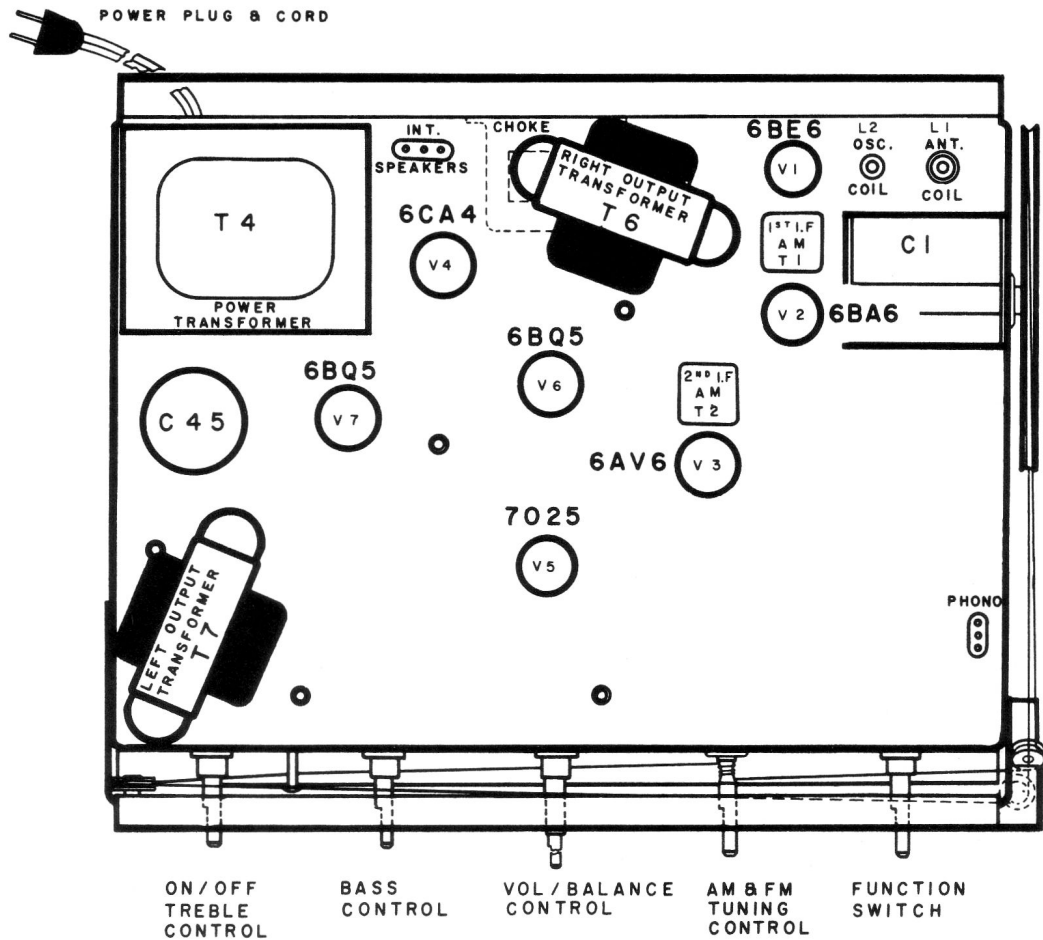
Issue	Subject
List related Service Letters and Service Tips above.	

ISSUED BY
SERVICE DIVISION
RCA VICTOR COMPANY, LTD.
MONTREAL, CANADA

—1960 No. 18—



Schematic Diagram



Chassis Layout — Top View — Showing Components

Alignment Procedure

Before aligning the receiver, set the gang condenser for maximum capacity and then set the dial knob opposite 55 on left hand end of the dial.

When only a portion of the circuit is to be aligned select the required portion and perform all the remaining steps.

In order to obtain best results, it is advisable to align the

455 KC I.F.'s with the help of a cathode ray oscilloscope. The scope should be connected across the volume control. If this equipment is not available, use the method outlined below in the alignment chart.

NOTE: If the test-oscillator is ac/dc operated, it may be necessary to use an isolation transformer (117 v./117 v. for the receiver during alignment.)

Alignment Chart

Order of Alignment	TEST OSCILLATOR					RECEIVER			
	Connect "Hi" Side To	Connect "Lo" Side To	Dummy Antenna	Frequency Setting	Range Select	Receiver Dial Setting	Circuit To Adjust	Adjust Adjustment Symbols	Notes
I.F. ALIGNMENT	1	6BA6 (V-2) Pin #1	Gnd.	.1 Mfd	455 KC	"Hi" End	2nd I.F. Trans.	Top & Bottom cores	Max. Out.
	2	6BE6 (V-1) Pin #7	Same	Same	Same	Same	1st I.F. Trans.	Top & Bottom cores	Same
	3	Radiate Signal			1600 KC	1600 KC	Osc.	C-1A	Same
	4	Same			1500 KC	1500 KC	Osc.	C-1B	Same
	5	Repeat Steps 3 & 4.							
S.B. ALIGNMENT									

REPLACEMENT PARTS LIST

Insist on Genuine Factory Tested Parts, which are readily identified and may be purchased from Authorized Dealers.

SYMBOL	STOCK NO.	DESCRIPTION	SYMBOL	STOCK NO.	DESCRIPTION
CHASSIS ASSEMBLY			S-1	63-23969	Switch-Function Switch
C-1	63-23846	Capacitor (AM Tuning)	T-1	63-20404	Transformer-1st IF Transformer
C-2		Capacitor-1000 mmf. 500V	T-2	63-5086	Transformer-2nd IF Transformer
C-3		Capacitor-56 mmf. 500V	T-6	63-23855	Transformer-Right Channel Audio Output
C-4		Capacitor-.01 mfd. 500V	T-7	63-23854	Transformer-Left Channel Audio Output
C-12		Capacitor-.01 mfd. 500V	T-9	63-23849	Transformer-60 cycle power transformer
C-13		Capacitor-.01 mfd. 500V			
C-14		Capacitor-.047 mfd. 200V			
C-15		Capacitor-100 mmf. 500V			
C-16		Capacitor-100 mmf. 500V			
C-28		Capacitor-18 mmf. 500V			
C-29		Capacitor-.0068 mfd. 400V			
C-30		Capacitor-.015 mfd. 200V			
C-31		Capacitor-.01 mfd. 200V			
C-32		Capacitor-.01 mfd. 200V			
C-33		Capacitor-.047 mfd. 400V			
C-34		Capacitor-.220 mmf. 500V			
C-36		Capacitor-18 mmf. 500V			
C-37		Capacitor-.0068 mfd. 400V			
C-38		Capacitor-.015 mfd. 200V			
C-39		Capacitor-.01 mfd. 200V			
C-40		Capacitor-.01 mfd. 200V			
C-41		Capacitor-.047 mfd. 400V			
C-42	63-13028	Capacitor-25 mfd. 25V			
C-43	63-23867	Capacitor-220 mmf. 500V			
C-45		Capacitor-(Elec.)-35x35x20x20 mfd. / 350/350/350/350V			
L-1	62-13082	Coil-AM Antenna coil			
L-2	63-23604	Coil-AM Oscillator coil			
L-4	63-23847	Coil-Filter Choke			
R-1		Resistor-1.0 megohms 1/2W - 10%			
R-2		Resistor-100 ohms 1/2W - 10%			
R-3		Resistor-33000 ohms 1/2W - 10%			
R-4		Resistor-22000 ohms 1W - 10%			
R-12		Resistor-68 ohms 1/2W - 10%			
R-13		Resistor-39000 ohms 1/2W - 10%			
R-14		Resistor-22000 ohms 1W - 10%			
R-15		Resistor-1000 ohms 1/2W - 10%			
R-16		Resistor-2.2 megohms 1/2W - 10%			
R-17		Resistor-470000 ohms 1/2W - 10%			
R-18		Resistor-150000 ohms 1/2W - 10%			
R-31		Resistor-1.2 megohms 1/2W - 10%			
R-32		Resistor-68000 ohms 1/2W - 10%			
R-33	63-23881	Control (Bass) - Dual control-5.0 megohms			
R-34		Resistor-27000 ohms 1/2W - 10%			
R-35	63-23882	Control (Loudness)-Dual Control 1.5 meg			
R-36		Resistor-10 megohms 1/2W - 10%			
R-37	part of 63-23882	Control-(Balance) 200 ohms			
R-38		Resistor-68 ohms 1/2W - 10%			
R-39	63-23850	Control-(Treble) 150,000 ohms			
R-40		Resistor-12000 ohms 1/2W			
R-41		Resistor-220000 ohms 1/2W			
R-42		Resistor-470000 ohms 1/2W			
R-45		Resistor-1.2 megohms 1/2W			
R-46		Resistor-68000 ohms 1/2W - 10%			
R-47		Resistor-27000 ohms 1/2W - 10%			
R-48		Resistor-10 megohms 1/2W - 10%			
R-49		Resistor-68 ohms 1/2W - 10%			
R-50		Resistor-12000 ohms 1/2W - 10%			
R-51		Resistor-220000 ohms 1/2W - 10%			
R-52		Resistor-470000 ohms 1/2W - 10%			
R-53		Resistor-68 ohms 2W - 10%			
R-54		Resistor-1200 ohms 2W - 10%			
R-59		Resistor-820000 ohms 1W			
R-60		Resistor-2700 ohms 7W			
					CHASSIS ASSEMBLIES
			63-23568		Cable-Phono motor cable ass'y.
			63-4313		Cord-Dial drive cord
			63-23901		Cord-AC power cord
			62-11891		Lamp-Dial or pilot lamp
			63-23860		Plate-Dial back plate - Vinyl
			63-23866		Pointer-Dial pointer
			63-23861		Shaft-Drive Shaft
			63-77937		Socket-7 pin socket
			63-20727		Socket-9 pin socket
			63-23862		Socket-3 pin socket for Phono Speaker-Multiplex
			63-23718		Socket-Socket + Lead ass'y. for dial light
			63-23903		Socket-Socket + Lead ass'y. for jewel light
					MISCELLANEOUS ASSEMBLY
			*63-23967		Back-Back cover
			*63-23966		Board-Antenna terminal board
			*63-23905		Cable-Phono cable
			63-23923		Button-Decorative button
			63-23857		Changer-Record player mechanism
			63-23926		Cloth-Grille cloth 25" x 41"
			63-13049		Emblem-Dog emblem
			63-23922		Emblem-Stereo emblem
			63-23924		Ferrule-Plastiglilge leg ferrules
			63-23048		Hinge-Lid butt hinge Wal. - Mah. instruments
			63-23925		Hinge-Lid butt hinge Blonde instruments
			63-23791		Knob Ass'y-Balance control knob
			63-23649		Knob Ass'y Bass - Function - Treble control
			63-23648		Knob Ass'y - Tuning control knob
			63-23772		Knob Ass'y - Volume control knob
			63-23992		Leg-Turned leg - Wal
			63-23991		Leg-Turned leg - Mah
			63-24049		Leg-Turned leg - Oak
			*63-23968		Manual-Customers Instruction Manual
			63-74809		Nameplate-RCA Victor Nameplate
			63-23904		Plate-External speaker plate ass'y.
			*63-23972		Scale-Dial scale
			62-12968		Speaker-3-1/2" PM (8 ohms) 2 req'd.
			63-23851		Speaker-10" PM (8 ohms) 2 req'd.
			62-13183		Support-Lid support Wal. Mah.
			63-23879		Support-Lid support Blonde
			63-23965		Trim-Dial Glass mounting trim strip

* Indicates New Stock Items. Only items listed under stock numbers are available as Replacement Parts.

All parts subject to change or withdrawal without notice.