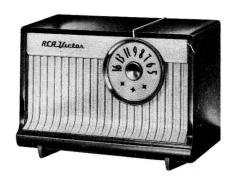


RCA VICTOR



AC-DC RADIO RECEIVER MODEL NIPPER IV



NIPPER IV

ELECTRICAL AND MECHANICAL SPECIFICATIONS

FREQUENCY RANGES Standard Broadcast ("A" Band) 540-1,600 kc. INTERMEDIATE FREQUENCY 455 kc. TUBE COMPLEMENT (1) RCA-12BE6 1st Detector-Oscillator (2) RCA-12BA6 IF Amplifier (3) RCA-12AV6 2nd Detector, A.V.C. and A-F Amplifier (4) RCA-50C5 Output (5) RCA-35W4 Rectifier	POWER SUPPLY RATINGS 105-125 volts
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.

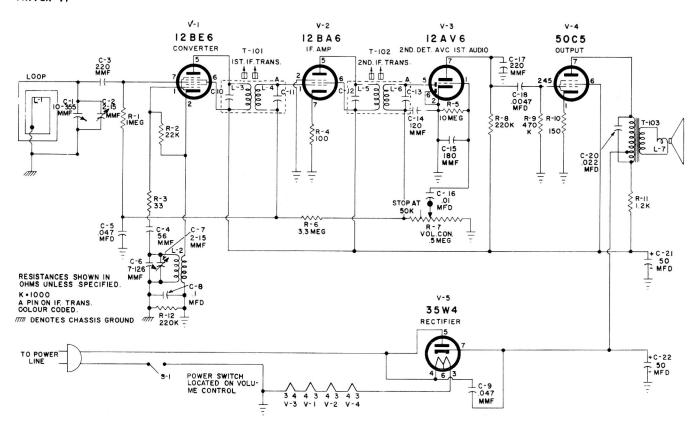
REPLACEMENT PARTS LISTS FOR MODEL NIPPER IV Insist on Genuine Factory Tested Parts, which are readily identified and may be purchased from Authorized Dealers.

SYMBOL NO.	STOCK NO.	DESCRIPTION	SYMBOL NO.					
C-1 C-2 C-3 C-4	*S-20331	Capacitor - Variable Tuning Capacitor - 220 mmf. 20%, 350V Capristor - 56 mmf. 33 ohms	T-101 T-102 T-103	*S-20340 *S-20340 *S-20336	Transformer - 1st I, F, Transformer " 2nd I, F, Transformer " Audio Output Transformer			
C-5 C-6		Capacitor047 mfd. 20%, 200V Capacitor - 7-126 mmf.			SPEAKER ASSEMBLY			
C-7 C-8 C-9 C-10		Capacitor - 2- 15 mmf. Capacitor - 0.1 mfd. 10%, 400V " .047 mfd. 20%, 400V		S-20099	Speaker - 4" P.M. complete with cone and voice coil			
C-11		in 1st I. F. in 1st I. F.		MISC	MISCELLANEOUS ASSEMBLIES			
C-12 C-13 C-14 C-15 C-16 C-17 C-18 C-19 C-20 C-21A C-21B	*S-20334 *S-20334 *S-20335	in 2nd I.F. in 2nd I.F. in 2nd I.F. in 2nd I.F. in 20 mmf. is 80 mmf. 20%, 350V in 0.1 mid. 20%, 200V in 220 mmf. 20%, 350V in 0.047 mid. 20%, 400V in 0.22 mid. 10%, 600V in Electrolytic, 60 mid. in 40 mid. Coil - Oscillator coil		*S-20359 *S-20338 *S-20363 *S-20362 *S-20369 *S-20360 *S-20361 *S-20264 *S-20357	Cabinet - Blue Cabinet - Brown Cabinet - Brown Cabinet - Green Cabinet - Green Cabinet - Verlow Cabinet - Red Cabinet - Pellow Cord - Power Cord Knob - Tuning Knob (for all cabinet colors except brown) Knob Ass'y - Tuning Knob (for brown			
L-2) R-1 R-2 R-3 R-4 R-5 R-6 R-7 R-8 R-9 R-10 R-11	*S-20332	Resistor - 1 megohm, 20%, 1/2 W " 22,000 ohms, 20%, 1/2 W Capristor 22 ohms, 56 mmf. Resistor - 100 ohms, 20%, 1/2 W " 10 megohms, 20%, 1/2 W " 3,3 megohms, 20%, 1/2 W Resistor - Volume Control & Power Switch Resistor - 220,000 ohms, 20%, 1/2 W " 470,000 ohms, 20%, 1/2 W " 150 ohms, 10%, 1/2 W " 1200 ohms, 10%, 1/2 W " 1200 ohms, 20%, 1/2 W	,	*S-20352 *S-20351 *S-20356 *S-20355 *S-20353 *S-20353 *S-20354 *S-5661	Knob Ass'y - Volume/Power - Blue Knob Ass'y - Volume/Power - Burgundy Knob Ass'y - Volume/Power - Burgundy Knob Ass'y - Volume/Power - Green Knob Ass'y - Volume/Power - Ivory Knob Ass'y - Volume/Power - Ivory Knob Ass'y - Volume/Power - Volume/Power Monogram - RCA Victor * Indicates new stock items			

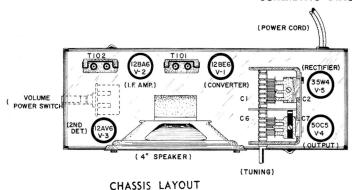
Only items listed under stock numbers are available as Replacement Parts.
All parts subject to change or withdrawal without notice.

ISSUED BY

HOME INSTRUMENT SERVICE DIVISION RCA VICTOR COMPANY, LTD.
MONTREAL, CANADA



SCHEMATIC DIAGRAM



LEAD DRESS

- 1. Dress all capacitors down against chassis.
- 2. C-15 must be located so that connection to Pin #1 of 12AV6 is short as possible and condenser butts against rim of volume control.
- 3. Connect outside foil of all condensers as indicated in schematic diagram.
- 4. Dress Filament, B+ and B- leads down against chassis.
- 5. Dress R-4, 12BA6 cathode resistor, down against tube center post with leads to Pin 2 and Pin 7 as short as possible.

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 ocilloscope. The scope should be connected across the volume control. If this equipment is not available, use the method outlined below in the alignment

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

Alignment Chart

TEST OSCILLATOR				RECEIVER						
Order of Alignment		Connect "H!" Side To	Connect "LO" Side To	Dummy Antenna	Frequency Setting	Range Selector	Receiver Dial- Setting	Circuit To Adjust	Adjust Adjustment Symbols	Notes
I.F. ALICK- MENT	ı	128A6 Pin #1	Gnd.	.l Mfd	455 KC		"HI" End	2nd I.F. Trans.	Top cores	Max.Out.
	2	!28E6 Pin #7	Same	Same	Same	Same	Same	Ist I.F. Trans.	Top cores	Same
S.B. ALIGN- MENT	3	Radiate signal			1600 KC		1600 KC	0sc.	C-7	Same
	4	Same			1500 KC		1500 KC	Osc.	C-2	Same
	5	Repeat Steps 3 & 4.								