



RCA VICTOR



AC-DC RADIO RECEIVER MODEL NIPPER IX



NIPPER IX

ELECTRICAL AND MECHANICAL SPECIFICATIONS

TUNING RANGE 540-1,600 kc

INTERMEDIATE FREQUENCY 455 kc

TUBE COMPLEMENT

- | | |
|---------------|--------------------|
| (1) RCA 12BE6 | Converter |
| (2) RCA 12BA6 | I.F. Amplifier |
| (3) RCA 12AV6 | Det.-AVC-A.F. Amp. |
| (4) RCA 50C5 | Output |
| (5) RCA 35W4 | Rectifier |

POWER SUPPLY RATING

115 volts d. c. or 50 to 60 cycles a.c. 30 watts

TUNING DRIVE RATIO 1:1 (direct drive)

LOUDSPEAKER

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

POWER OUTPUT

Undistorted 1.0 watts
Maximum 1.3 watts

REPLACEMENT PARTS LIST

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

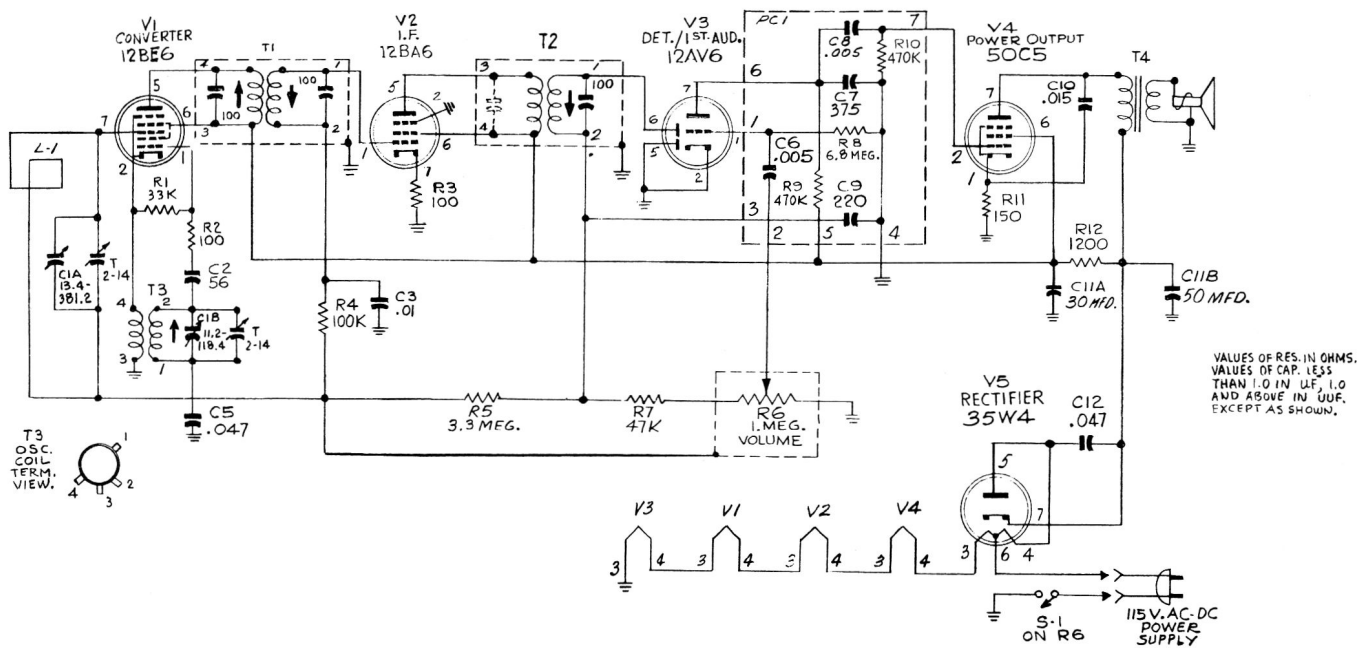
SYMBOL	STOCK NO.	DESCRIPTION	SYMBOL	STOCK NO.	DESCRIPTION
C-1	*63-24468	Capacitor-Variable tuning	T-1	*63-24467	Transformer-1st IF Transformer
C-2		Capacitor-Ceramic-56 mmf. 20%, 500V	T-2	63-22922	Transformer-2nd, IF Transformer
C-3		Capacitor-Ceramic-.01 mfd. 600V	T-3	*63-24466	Transformer-Oscillator Transformer
C-4		Capacitor-Ceramic-5.6 mfd. 500V	T-4	*63-24465	Transformer-Audio Output
C-5		Capacitor-Paper-.047 mfd. 20%, 400V		*63-24460	Circuit-Printed chassis assembly
C6, C7	Part of PC-1			*63-24462	Socket-7 pin socket for V-1, V-2, V-3
C8, C9				*63-24461	Socket-7 pin socket for V-5
C-10		Capacitor-Paper-.015 mfd. 10%, 400V		*63-24463	Socket-7 pin socket for V-4
C-11A, B	*63-24464	Capacitor-Electrolytic-30/50 mfd. 150/150V			SPEAKER ASSEMBLY
C-12		Capacitor-Paper-.047 mfd. 20%, 400V		63-23058	Speaker-4" PM-3.2 ohms
PC-1	63-22915	Printed Circuit-Audio coupling (includes C-6, C-7, C-8, C-9, R-8, R-9 & R-10)			MISCELLANEOUS
R-1		Resistor-33000 ohms, 20%, 1/2W		*63-24473	Back-Back cover and loop assembly
R-2		Resistor-100 ohms, 20%, 1/2W		*63-24478	Cabinet-Blue
R-3		Resistor-100 ohms, 20%, 1/2W		*63-24479	Cabinet-Coral
R-4		Resistor-100,000 ohms, 10%, 1/2W		*63-24477	Cabinet-Green
R-5		Resistor-3.3 megohms, 20%, 1/2W		*63-24474	Cabinet-Ivory
R-6	*63-24469	Control-Volume control with OFF/ON switch		*63-24476	Cabinet-Tan
R-7		Resistor-47000 ohms, 20%, 1/2W		*63-24475	Cabinet-Kitchen White
R-8	Part of PC-1			*63-24459	Cord-Power cord
R9, R-10				*63-24472	Dial-Tuning dial
R-11		Resistor-150 ohms, 10%, 1/2W		*63-24470	Emblem-Dog emblem
R-12		Resistor-1200 ohms, 10%, 1W		*63-24471	Knob, Tuning knob
				63-23011	Knob-Volume knob

* 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
SERVICE DIVISION
RCA VICTOR COMPANY, LTD.
MONTREAL, CANADA



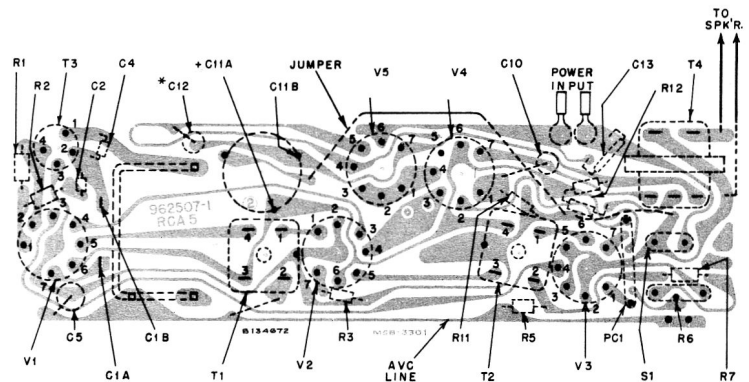
SCHEMATIC DIAGRAM

Alignment Procedure

Test-Oscillator—For all alignment operations, connect the low side of the test-oscillator through an isolating capacitor to the "common negative wiring." Keep the oscillator output as low as possible to avoid a-v-c action.

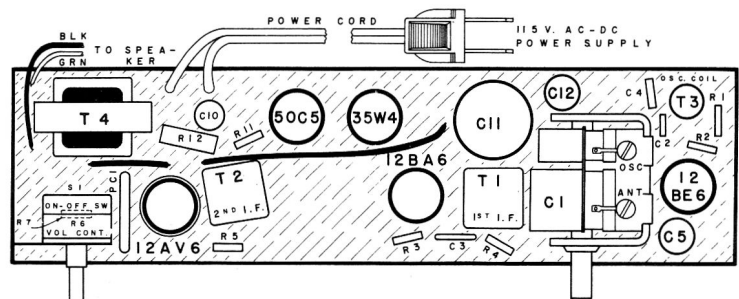
An isolation transformer (115 v./ 115 v.) may be necessary for the receiver if the test-oscillator is also a.c. operated.

Step	Connect the high side of test-oscillator to—	Tune test-osc. to—	Turn radio dial to—	Adjust the following for max. output
1	12BA6 I-F grid through .01 mfd. capacitor	455 kc	Quiet-point 1,600 kc end of dial	T2 (top) 2nd I-F trans.
2	Stator of C1-B through .01 mfd.			T1 (top and bottom) 1st I-F trans.
3	Short wire placed near loop to radiate signal	1,620 kc	Gang fully open	osc. trimmer C1-B 3
4		1,400 kc	1,400 kc signal	ant. trimmer C1-A
5		600 kc	600 kc signal	osc. coil T-3 (rock gang)
6	Repeat steps 3, 4, and 5			



The printed wiring, on the near side of the board, is presented in "phantom" view superimposed on the component layout of the reverse side.

The assembly represented above is viewed from the wiring side of the board.



CHASSIS LAYOUT — SHOWING COMPONENTS