

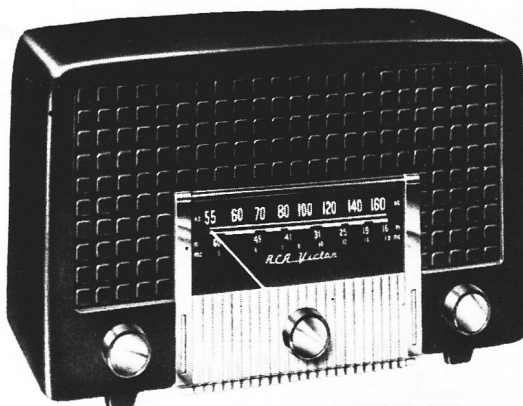


RCA VICTOR

AC-DC RADIO RECEIVER



MODEL 525 SERVICE DATA



MODEL 525

Electrical and Mechanical Specifications

FREQUENCY RANGES

Standard Broadcast ("A" Band) 520-1605 kc.

Short Wave ("C" Band) 4.7-18 mc.

INTERMEDIATE FREQUENCY 455 kc.

TUBE COMPLEMENT

(1) RCA-12BE6 Converter

(2) RCA-6BJ6 IF Amplifier

(3) RCA-12AV6 Det., A.V.C.-A.F. Amp.

(4) RCA-50C5 Output

(5) RCA-35W4 Rectifier

POWER SUPPLY RATINGS (DC or 25/60 cycles A-C)

..... 105-125 volts 30 watts

POWER OUTPUT RATING

Undistorted 1.1 watt

Maximum 1.9 watts

LOUDSPEAKER

Type 5 1/4 inch P.-M. Dynamic

Voice Coil Impedance 3.2 ohms at 400 cycles

TUNING DRIVE RATIO 8 to 1 (4 turns of knob)

WEIGHT 6 lbs.

CABINET DIMENSIONS

Width 13 1/8" Height 8 1/8" Depth 5-11/16"

CRITICAL LEAD DRESS

1. Keep slack in grounding braid and leads connected to gang.
2. Dress lead from pin No. 7 of the 12BE6 to antenna around pin No. 1 of the 12BE6. (Space charge neutralization.)
3. Keep green lead from phono jack to volume control as short as possible.
4. Dress filter condenser leads away from volume control coupling capacitor C12.
5. Keep green lead from volume control to range switch as close as possible to chassis.
6. Dress AC power and filament lines away from all audio grids and audio components.

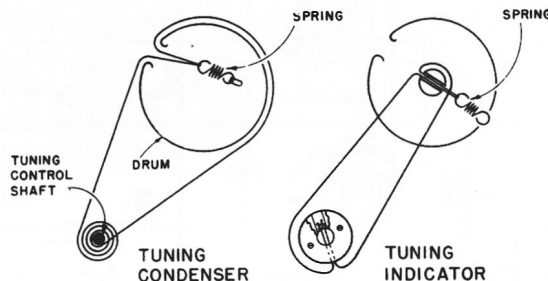
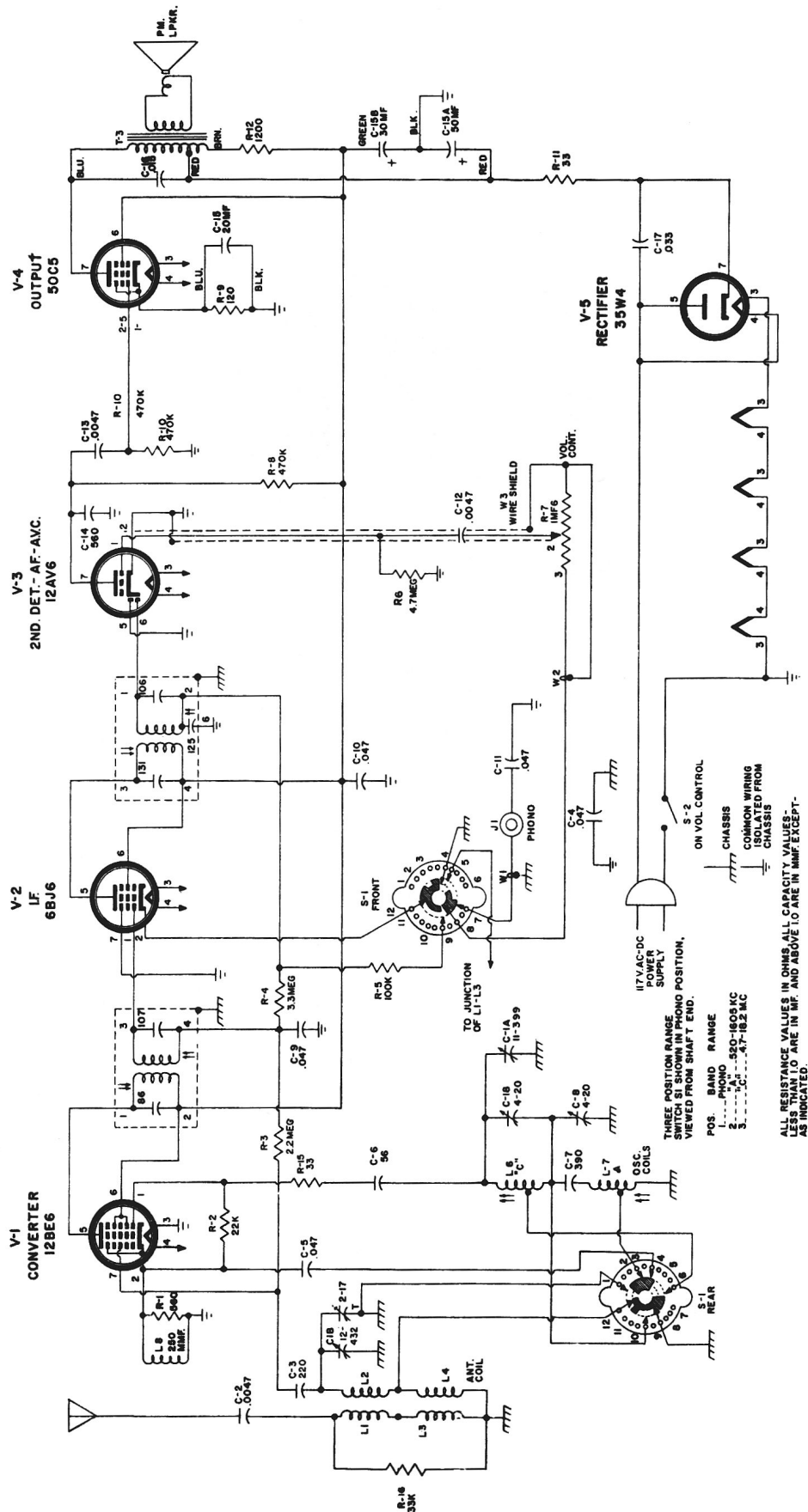


Diagram of Drive Cord with Condenser Rotor Closed
(Extreme Counter-clockwise Position)

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



SCHEMATIC FOR RADIO MODEL 525

REPLACEMENT PARTS LIST FOR MODEL 525

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

SYMBOL NO.	STOCK NO.	DESCRIPTION	SYMBOL NO.	STOCK NO.	DESCRIPTION
C-1A	*S-20252	Capacitor- Variable Tuning Capacitor			SPEAKER ASSEMBLY
C-1B					
C-2		Capacitor - .0047 mfd. 600V	*S-20253		Speaker - 5 1/4" PM complete with cone and voice coil (3.2 ohms)
C-3		Capacitor - 220 mmf. $\pm 20\%$ 500V			
C-4		Capacitor - .047 mfd. 400V			MISCELLANEOUS ASSEMBLIES
C-5		Capacitor - .047 mfd. 400V			
C-6	S-4523	Capristor - 56 mmf. 33 ohms			
C-7		Capacitor - 390 mmf. 500V			
C-8		Capacitor - 4-20 mmf.	*S-20242		Back - Cabinet Back Cover
C-9		Capacitor - .047 mfd. 400V	*S-20320		Cabinet - Plastic Cabinet - Maroon
C-10		Capacitor - .047 mfd. 400V			
C-11		Capacitor - .047 mfd. 400V	S-6370		Cord - Power Cord
C-12		Capacitor - .0047 mfd. 600V			
C-13		Capacitor - .0047 mfd. 600V	*S-20250		Dial - Dial Scale
C-14		Capacitor - 560 mmf. $\pm 10\%$ 500V			
C-15A	75969	Electrolytic 50 mfd. 150V	72283		Grommet - Rubber grommet for tuning cap. mounting in rear of speaker
C-15B		Electrolytic 30 mfd. 150V			
C-15C		Electrolytic 20 mfd. 25V			
C-16		Capacitor .015 mfd. 600V	*S-20257		Pointer - Station Selector Pointer
C-17		Capacitor .033 mfd. 400V	*S-20254		Screen - Dust screen - Maroon
C-18		Capacitor mica-adjustable 4-20 mmf.	*S-20256		Shaft - Drive Shaft
L-1, L-2,					
L-3	*S-20263	Coil Antenna Coil - "A" "C" Bands			
L-4, L-5					
L-6	*S-20247	Coil Oscillator Coil - "C" Band	73584		Shield - Tube shield for 12AV6 tube.
L-7	*S-20246	Coil Oscillator Coil - "A" Band			
L-8	73268	Coil Peaking Coil	73117		Socket - Tube Socket, 7 pin, miniature - wafer
R-1		Resistor in Peaking Coil L-8	S-9242		Socket - Tube Socket
R-2		Resistor 22,000 ohms, 10%, 1/2 watt			
R-3		Resistor 2.2 megohm, 10%, 1/2 watt	S-6019		Knob - Maroon - Tuning control or volume control knob
R-4		Resistor 3.3 megohm, 10%, 1/2 watt			
R-5		Resistor 100,000 ohms, 10%, 1/2 watt	S-6021		Knob - Maroon - Range and Phono switch knob
R-6		Resistor 4.7 megohm, 10%, 1/2 watt			
R-7	*S-20248	Control - Volume Control - Pwr. Switch			
R-8		Resistor 470,000 ohms, 10%, 1/2 watt			
R-9		Resistor 120 ohms, 10%, 1/2 watt			
R-10		Resistor 470,000 ohms, 10%, 1/2 watt			
R-11		Resistor 33 ohms, 10%, 1/2 watt			
R-12		Resistor 1200 ohms, 10%, 1 watt			
R-13		Resistor 375 ohms, 10%, 25 watts			
R-14		Resistor 160 ohms 5 watts			
S-1	*S-20264	Switch - "Phono-Range" Switch			
T-1	74918	Transformer - 1st IF Trans.			
T-2	73254	Transformer - 2nd IF Trans.			
T-3	*S-20249	Transformer - Output Trans.			

* Indicates New Stock Items

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