



RCA VICTOR



Model K-270



Model K-271



Model K-272



Model K-274

PORTABLE RECORD PLAYER MODELS

K-271

K-272

K-274

K-270 RECORD PLAYER ATTACHMENT SERVICE DATA

— 1957 No. 13 —

ISSUED BY

GENERAL SERVICE DEPARTMENT
RCA VICTOR COMPANY, LTD.
MONTREAL, CANADA

ELECTRICAL AND MECHANICAL SPECIFICATIONS

	K-270	K-271	K-274	K-272
Turntable Speeds	3 speeds	— 33 $\frac{1}{3}$	— 45 RPM	— 78 RPM
Pickup	Crystal	Crystal	Crystal	Crystal
Tube Complement				
Audio Amplifier			6SJ7	
Power Output		25L6GT	25L6GT	25L6GT
Rectifier		Selenium	Selenium	Selenium
Loudspeaker		4" PM	4" PM	4" PM
Record Changer Mechanism	Alliance	Alliance	Alliance	Alliance

OPERATION

Turn OFF-ON-VOLUME knob clockwise about one-half turn. Allow brief warm-up.

Before playing 45 r.p.m. records, lift up and gently turn the "45" SPINDLE counterclockwise, it will readily seat itself in a raised position.

Turn NEEDLE SELECTOR lever so that "33-45" is on top of lever when playing 33 $\frac{1}{3}$ or 45 r.p.m. records; turn SELECTOR so that "78" appears on top of lever when playing 78 r.p.m. records.

Move SPEED CONTROL lever to "33 $\frac{1}{3}$ ", "45", or "78", depending on speed of record to be played.

Set PICKUP needle at start of record; adjust volume and/or tone as desired.

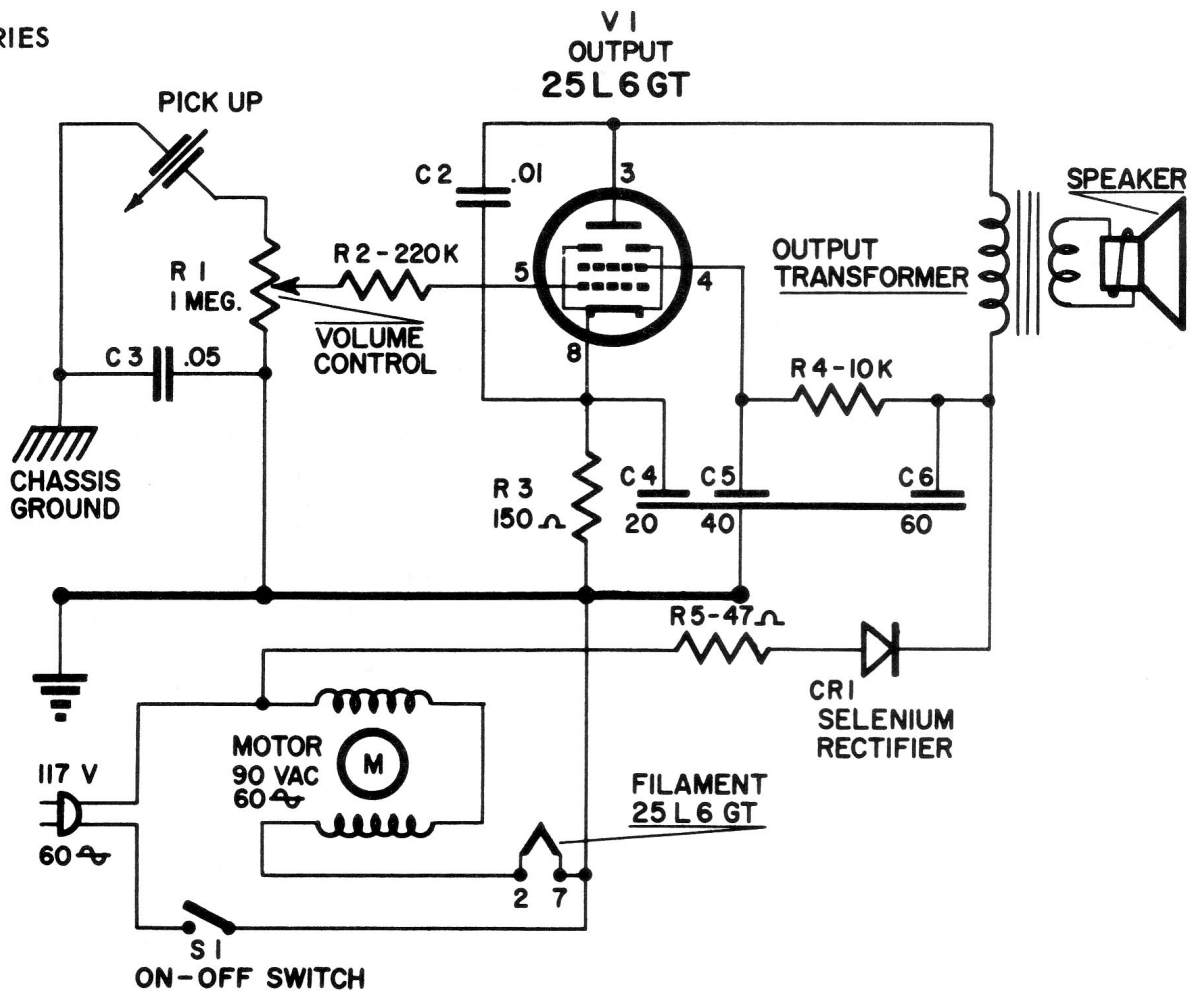
When you finish playing records, return PICKUP ARM to REST, turn power "off" (turn OFF-ON-VOLUME knob counterclockwise until a soft "click" is heard).

IMPORTANT

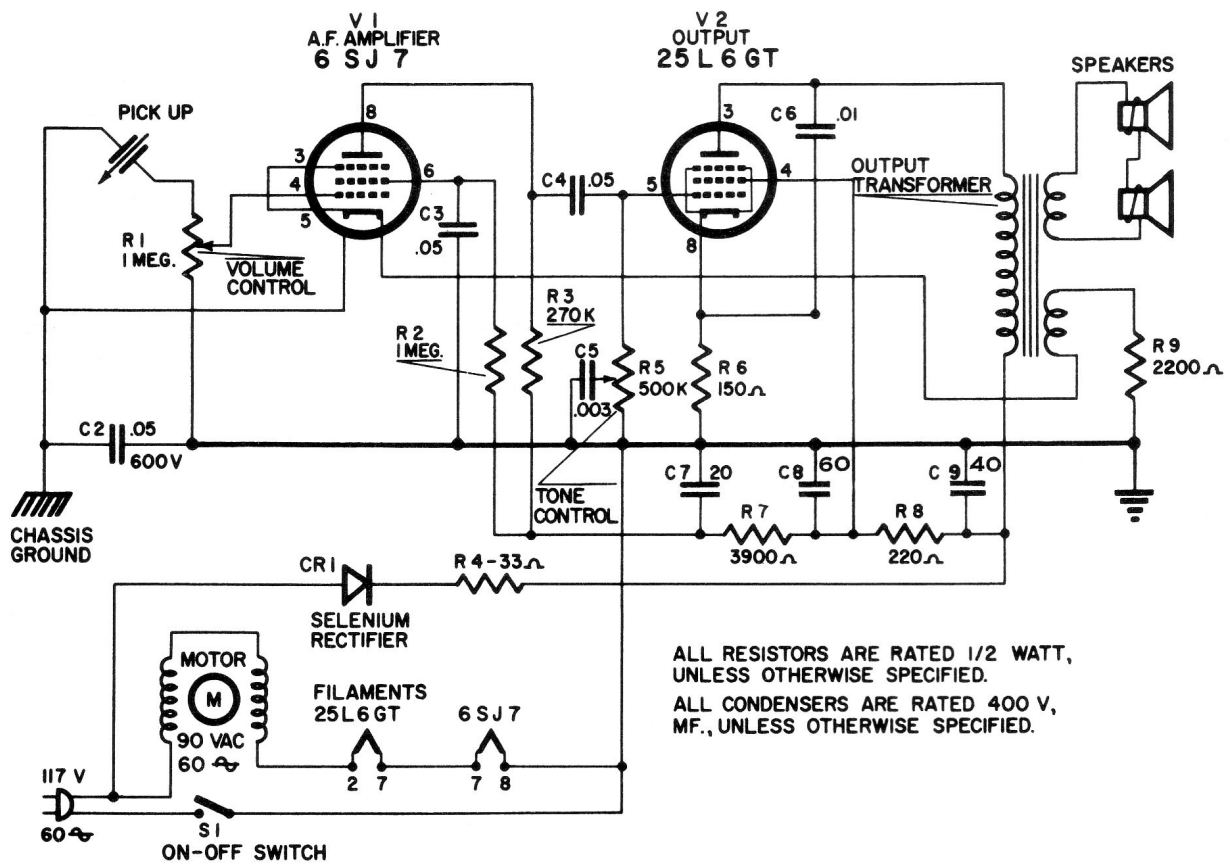
The speed selector lever must be kept in the maximum clockwise position (adjacent to "78" position) when the instrument is not in use. Failure to do this will result in deformation of the idler wheel tire.

This position of the speed selector lever is for the purpose of disengaging the idler wheel from contact with the motor spindle. IT DOES NOT SHUT OFF THE ELECTRICAL POWER TO EITHER THE MOTOR OR AMPLIFIER.

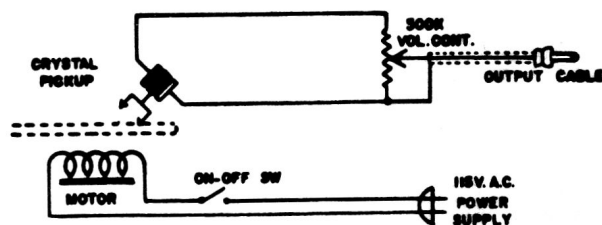
The pickup arm must be secured to its rest when the instrument is to be carried.



Schematic Diagram for K-271, K-272



Schematic Diagram for Model K-274



Phono Input Connection (K-170 only)

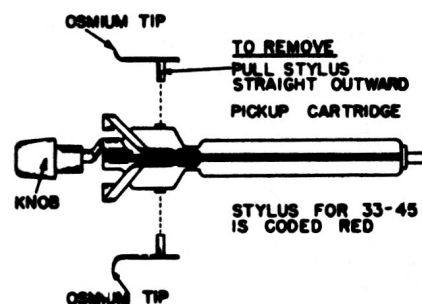
STYLUS REMOVAL

Each stylus is mounted on a short pin which fits into a socket on the pickup. To remove a stylus, pull straight outward away from pickup; it is held in place only by pressure fit.

When replacing a stylus, be certain that the stylus coded with red paint points downward when "33-45" is visible on top of control lever. Likewise, the uncoded stylus should point downward when "78" is visible on top of control lever.

SPEAKER PHASING

For additional information on speaker phasing, refer to the Supplementary Information at the front of this volume.



REPLACEMENT PARTS LIST

DESCRIPTION	STOCK NO.	Models			
		K-270	K-271	K-274	K-272
Arm-Tone arm (Gray)	*S-22137	*		*	*
Case - Two tone green	*S-21378	*			
Case - Two tone gray	S-22140	*			
Case - Green case complete	*S-22139		*		
Case - Gray case complete	*S-22138		*		
Case - Two tone green case complete	*S-21383			*	
Case - Gray case complete	*S-22141			*	
Case - Green case complete	*S-21385				*
Case - Gray case complete	*S-22142				*
Catch - Cover catch retainer	*S-21386		*	*	*
Cartridge - Astatic crystal (310TS)	*S-22185	*	*	*	*
Decal - 4-speed	S-22230	*	*	*	*
Disc - 45 RPM Adapter Disc - Ivory	S-21388	*	*	*	*
Escutcheon - Gold metal esc. "Twin Speaker"	S-21389			*	
Handle - Leather carrying handle - Ivory	S-21392			*	
Hinges - Cover hinges (2 req'd.)	S-21394			*	
Knob - Stylus Selector Knob - Ivory	S-22907	*	*	*	*
Knob - Speed Indicator Knob - Ivory	S-21396	*	*	*	*
Knob - Volume/Power/Tone - Ivory	S-21399	*	*	*	*
Motor - 60 cycle Motor - 117V	S-20082	*			
Motor - 60 cycle Motor - 90V	S-21400		*	*	*
Motor - 50 cycle Motor - 117V	S-20267	*			
Motor - 50 cycle Motor - 90V	S-21401		*	*	*
Motor - 25 cycle Motor - 117V	S-20083	*			
Motor - 25 cycle Motor - 90V	*S-21402		*	*	*
Speaker Assembly - 4" PM	S-20698		*	*	*
Stylus - Stylus 78 RPM	*S-22198	*	*	*	*
Stylus - Stylus 33 $\frac{1}{3}$ RPM, 45 RPM	*S-22197	*	*	*	*
Straps - Carrying straps - Green -	*S-21403				*
Straps - Carrying straps - Gray -	*S-22193				*
Support - Tone arm support - Ivory	*S-21405	*	*	*	*
Turntable - Gray	*S-21406	*	*	*	*
Washer - "C" type retainer washer	S-20081	*	*	*	*
Washer - Metal retainer washer for 45 RPM adapter disc	S-20738	*	*	*	*
Wheel - Idler wheel	S-20225	*	*	*	*
Instruction Manuals	*S-22078		*		
Instruction Manuals	*S-22079			*	
Motor Board	S-22305		*		
Motor Board (Green)	S-22306			*	
Handle (Ivory)	S-22229		*		

SYMBOL	STOCK NO.	DESCRIPTION	SYMBOL	STOCK NO.	DESCRIPTION
CHASSIS ASSEMBLY FOR MODEL K-274			CHASSIS ASSEMBLY FOR MODEL K-272 AND K-271		
C-2		Capacitor-.05 mfd. 10% 600V	C-2		Capacitor-.01 mfd. 10% 400V
C-3		Capacitor-.05 mfd. 10% 600V	C-3		Capacitor-.05 mfd. 10% 600V
C-4		Capacitor-.05 mfd. 10% 600V	C-4	S-20435	Capacitor-Electrolytic-20 mfd.
C-5		Capacitor-.003 mfd. 10% 400V	C-5		Capacitor-Electrolytic-40 mfd. 150V
C-6		Capacitor-.01 mfd. 10% 400V	C-6		Capacitor-Electrolytic-60 mfd.
C-7		Capacitor, 20 mfd.			
C-8	*S-20435	Electrolytic 60 mfd. 400V	R-1	S-20433	Resistor-Volume Control-1 megohm
C-9		40 mfd.	R-2		Resistor-220,000 ohms 10% $\frac{1}{2}$ W
R-1	S-20433	Resistor-1 megohm-Volume Control	R-3		Resistor-150 ohms 10% $\frac{1}{2}$ W
R-2		Resistor-1 megohms 10% $\frac{1}{2}$ W	R-4		Resistor-10,000 ohms 10% $\frac{1}{2}$ W
R-3		Resistor-270,000 ohms 10% $\frac{1}{2}$ W	R-5		Resistor-47 ohms 20% $\frac{1}{2}$ W
R-4		Resistor-33 ohms 10% 10 W			
R-5	S-20434	Resistor-Tone Control-500,000 ohms	CR-1	*S-22192	Rectifier-Selenium rectifier-80 MA.
R-6		Resistor-150 ohms 10% $\frac{1}{2}$ W			
R-7		Resistor-3900 ohms 10% $\frac{1}{2}$ W			
R-8		Resistor-220 ohms 10% $\frac{1}{2}$ W			
R-9		Resistor-2200 ohms 10% $\frac{1}{2}$ W			
CR-1	*S-22192	Rectifier-Selenium Rectifier-80 MA.			
T-1	S-20448	Transformer-Output Transformer	T-1	S-20699	Transformer-Output Transformer
			*Indicates New Stock Item.		