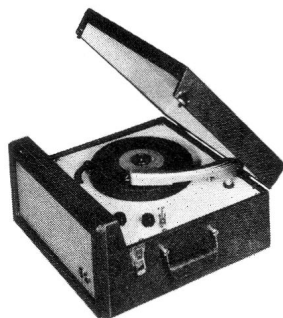




V5M



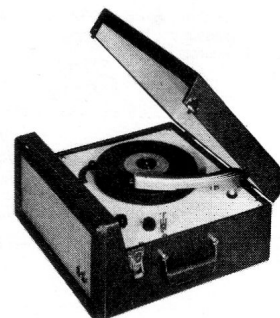
VE51M



VE52M



VE53M



VE54M



RCA VICTOR

PORTABLE RECORD PLAYER

MODELS

VE51M

VE52M

VE53M

VE54M

V5M RECORD PLAYER ATTACHMENT

SERVICE DATA

— 1955 No. 19 —

ISSUED BY

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

ELECTRICAL AND MECHANICAL SPECIFICATIONS

Turntable Speeds	Three
Pickup (Medium Output)	Crystal
Tube Complement	—
1st Audio Amp.	—
Power Output	—
Rectifier	—
Loudspeaker—Size and Type	—
Record Changer Mechanism	—
Cabinet Dimensions (Overall)	—
Length	10 1/4
Width	12
Height	5 1/2

V5M	VE51M	VE52M	VE53M	VE54M
Three	Speeds	33-1/3	45 and	78 R.P.M.
Crystal	Crystal	Crystal	Crystal	Crystal
—	—	12SJ7	—	12SJ7
—	50L6	50L6	50L6	50L6
—	35Z5GT	35Z5GT	35Z5GT	35Z5GT
—	4" PM	5" PM	4" PM	5" PM
Alliance	Alliance	Alliance	Alliance	Alliance
10 1/4	10 3/4	15	10 3/4	15
12	13	15	13	15
5 1/2	6 1/4	7	6 1/4	7

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 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 1/3," "45," or "78," depending on speed of record to be played.

Set PICKUP needle at start of record; adjust volume and 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).

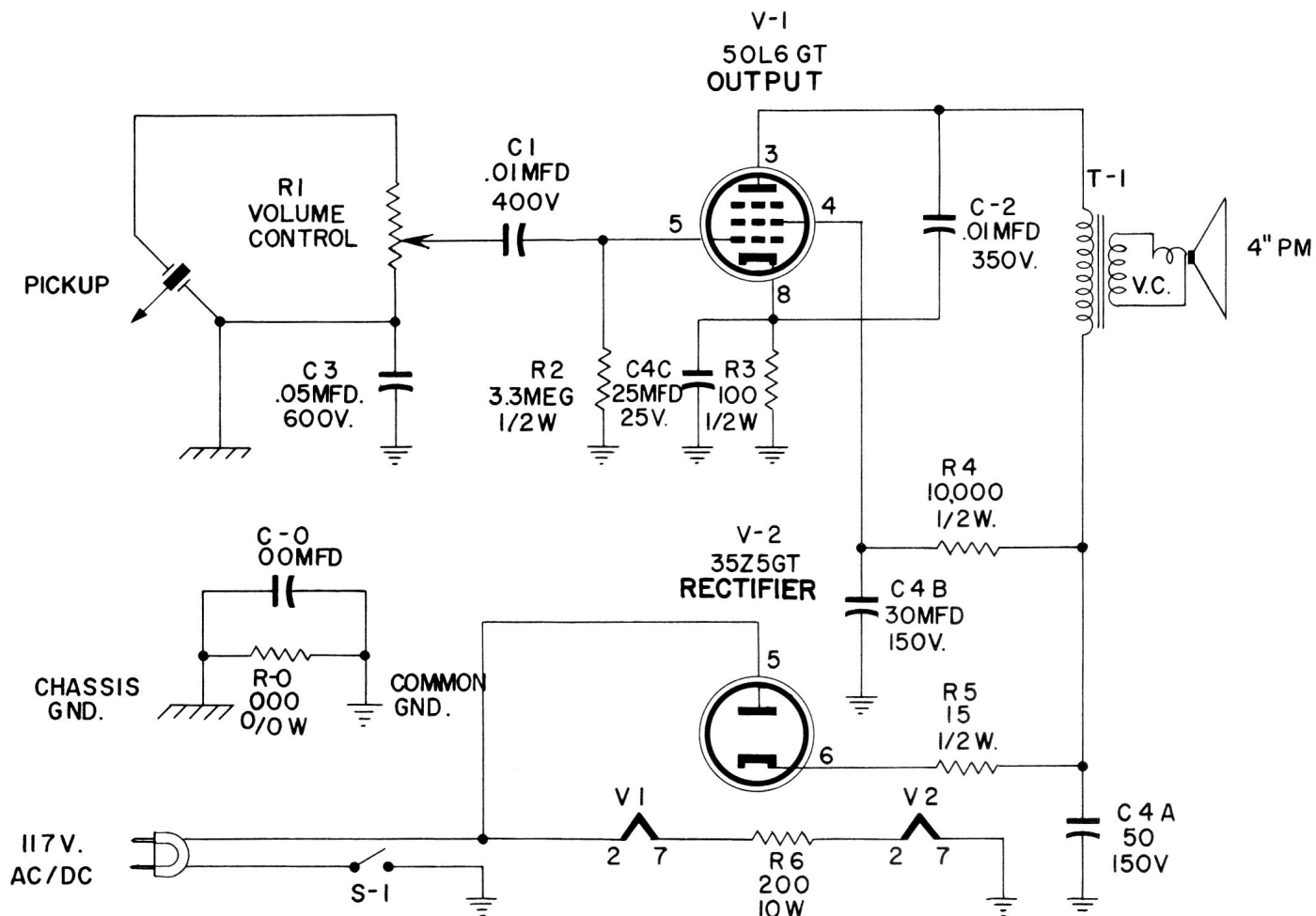
IMPORTANT

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.

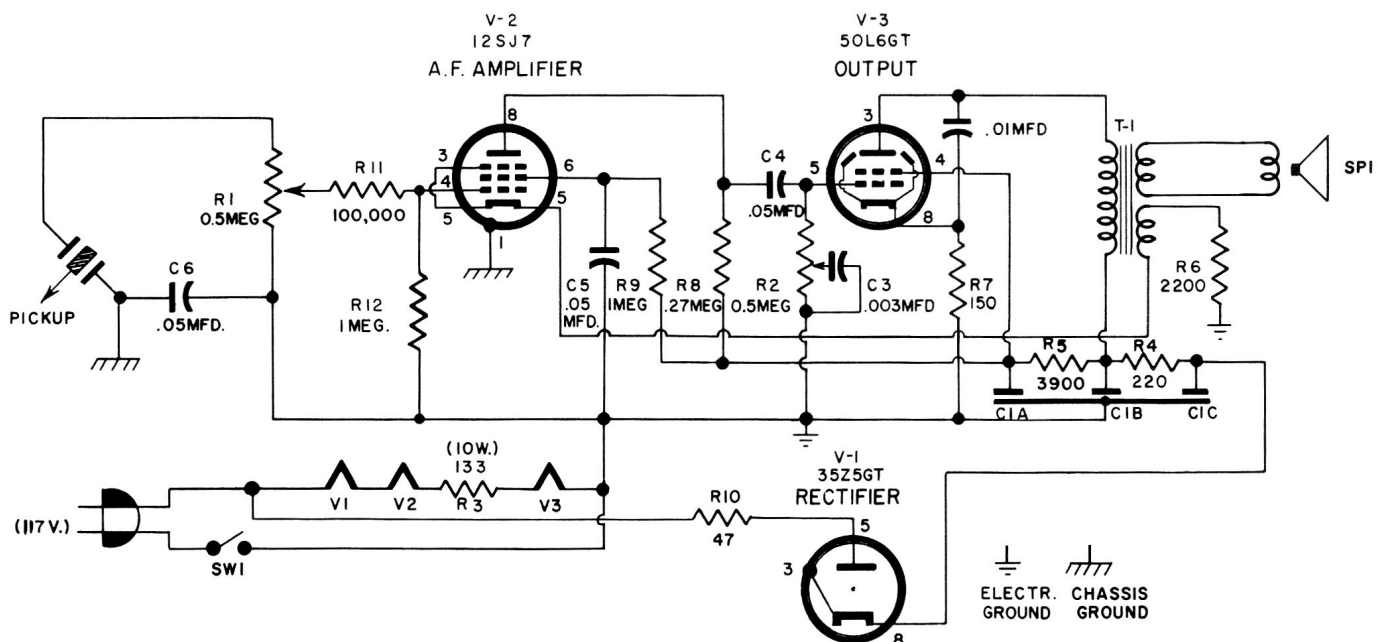
This position of the speed selector lever is for the purpose of disengaging the idler wheel from contact with the motor spindle. IT DOES NOT SHUT OFF THE ELECTRICAL POWER TO EITHER THE MOTOR OR AMPLIFIER.

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

V5M SERIES



Schematic Diagram for VE51M, VE53M

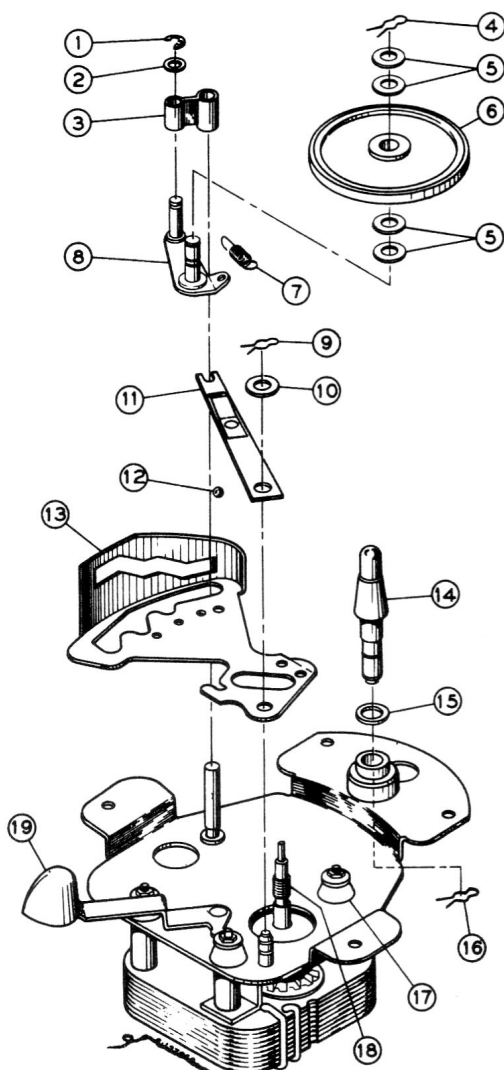
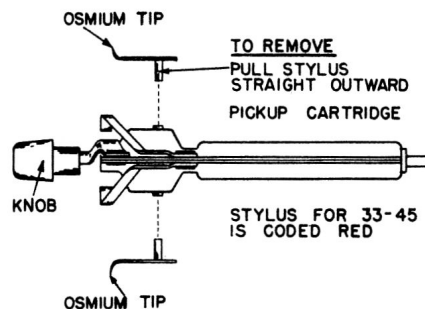


Schematic Diagram for VE52M, VE54M

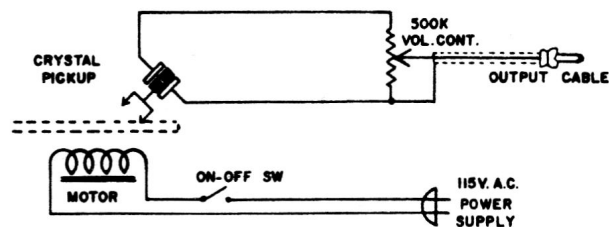
STYLUS REMOVAL

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.



Motor Assembly



Phono Input Connection (V5M only)

SYMBOL NO.	STOCK NO.	DESCRIPTION
MOTOR ASSEMBLY		
1		Retainer—"C" type retainer for speed shift lever link
2		Washer—Metal washer for mounting link
3		Link—Speed shift lever link
4		Clip—Hairpin type, idler wheel retaining clip
5		Washer—Fibre washer for idler wheel mounting (4 req'd)
6		Wheel—Idler wheel
7		Spring—Speed shift lever link and idler wheel mounting plate spring
8		Plate—Speed shift lever link and idler wheel mounting plate
9		Clip—Hairpin type, hold-down plate retaining clip
10		Washer—Fibre washer for hold-down plate
11		Plate—Hold-down plate
12		Ball—Friction ball for hold-down plate
13		Lever—Speed shift lever
14		Spindle—Turntable spindle
15		Washer—Fibre washer for spindle
16		Clip—Hairpin type clip retainer for spindle
17		Grommet—Rubber grommet for motor mounting (3 req'd)
18		Spring—Spring pulley on motor shaft—14 turns
19		Knob—Speed shift lever knob

Motor Assembly Breakdown

REPLACEMENT PARTS

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

CHASSIS ASSEMBLY FOR MODELS VE51M and VE53M			CHASSIS ASSEMBLY FOR MODELS VE52M and VE54M		
Symbol	Stock #	Description	Symbol	Stock #	Description
C-1	S-20435	Capacitor- .01 mfd. 10% 400V	C-1	S-20743	Capacitor- .05 mfd. 10% 600V
C-2		Capacitor- .01 mfd. 10% 400V	C-2		Capacitor- .05 mfd. 10% 400V
C-3		Capacitor- .05 mfd. 10% 600V	C-3		Capacitor- .05 mfd. 10% 400V
C-4A		Capacitor-electrolytic 50 mfd. 150V	C-4		Capacitor- .003 mfd. 10% 400V
C-4B		Capacitor-electrolytic 30 mfd. 150V	C-5		Capacitor- .01 mfd. 10% 400V
C-4C	S-5719	Capacitor-electrolytic 25 mfd. 25V	C-6	*S-20435	Capacitor-electrolytic 25 mfd. 25V
R-1		Control-Volume Control & Power Switch 500,000 megohm	C-7		Capacitor-electrolytic 20 mfd. 150V
R-2		Resistor- 3.3 megohm 10% 1/2w	C-8		Capacitor-electrolytic 60 mfd. 150V
R-3		Resistor- 100 ohms 10% 1/2w	C-9		Capacitor-electrolytic 20 mfd. 150V
R-4		Resistor- 10,000 ohms 10% 1/2w	R-1	S-20433	Resistor- 100,000 ohms 10% 1/2w
R-5	* S-20699	Resistor-Wire Bound 15 ohms	R-2		Resistor- 470,000 ohms 10% 1/2w
R-6		Resistor- 200 ohms 10w	R-3		Resistor- 1 megohm 10% 1/2w
T-1		Transformer-Output Transformer	R-4		Resistor- 270,000 ohms 10% 1/2w
		SPEAKER ASSEMBLY	R-5		Resistor- 150 ohms 10% 1/2w
	S-20698	Speaker - 4-inch P.M. complete with cone and voice coil	R-6		Resistor- 2,200 ohms 10% 1/2w
			R-7	S-20434	Resistor- 220 ohms 10% 1/2w
			R-8		Resistor- 3 300 ohms 10% 1/2w
			R-9		Resistor- 133 ohms 10% 10w
			R-10		Control-Volume Control 500,000 ohms
			R-11	S-20448	Control-Tone Control 500,000 ohms
			T-1		Transformer-Output Transformer
					Speaker-5" PM Speaker complete with cone and voice coil

*Indicates New Stock Item

MISCELLANEOUS ASSEMBLIES

Description	Stock #	MODELS				
		V5M	VE51M	VE52M	VE53M	VE54M
Arm - Tone Arm (Standard) For 66 TMS Cartridge	S-20723	*	*	*	*	*
Arm - Tone Arm (Narrow) For Ronette Cartridge	S-20732				*	*
Arm - Tone Arm (Standard) For 66TYN, 68TY Cartridge	S-20073	*	*	*	*	*
Board - Motorboard	S-20741			*		*
Board - Motorboard	S-20740		*		*	
Case	S-20694			*		*
Case	S-20697		*		*	
Cartridge - Astatic Crystal (66TMS)	S-20722	*				*
Cartridge - Astatic Crystal (66TYM)	S-20078		*	*		*
Cartridge - Ronette (RC-53)	S-20733				*	
Decal - (Speed Decal)	S-20084	*	*	*	*	*
Disc - 45 RPM Adapter Disc	S-20734		*	*	*	*
Disc - 45 RPM Adapter Disc	S-20085	*				
Foot - Metal Foot (4 Required)	S-20735	*	*	*	*	*
Handle - Plastic Carrying Handle	S-20941		*	*	*	*
Knob - Stylus Selector Knob - For S-20075	S-20077	*	*	*		*
Knob - Stylus Selector Knob	S-20742				*	
Knob - Stylus Selector Knob - For S-20722	S-21069	*	*	*	*	*
Knob - Volume/Power/Tone	S-20690		*	*	*	
Knob - Volume/Power/Tone	S-20072	*				*
Monogram - "RCA Victor" Monogram	S-20739		*	*	*	
Monogram - "RCA Victor" Monogram	S-10015					*
Motor - 60 cycle Motor	S-20082	*	*	*	*	*
Motor - 50 cycle Motor	S-20267	*	*	*	*	*
Motor - 25 cycle Motor	S-20083	*	*	*	*	*
Screen - Speaker Screen	S-20744			*		*
Screen - Speaker Screen	S-20746		*		*	
Stylus - Stylus 78RPM for S-20075, S-20722	S-20719	*	*	*		*
Stylus - Stylus 33 1/3, 45RPM for S-20075, S-20722	S-20720	*	*	*		*
Stylus - Stylus 33 1/3, 45RPM for S-20733	S-20737				*	
Stylus - Stylus 78RPM for S-20733	S-20736				*	
Support - Tone Arm Support	S-20078	*	*	*	*	*
Turntable	S-20692		*	*	*	*
Turntable	S-20080	*				
Washer-"C" type Retainer Washer	S-20081	*	*	*	*	*
Washer-Metal Retainer Washer for 45 RPM Adapter Disc	S-20738		*	*	*	*
Wheel - Idler Wheel	S-20225	*	*	*	*	*

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