



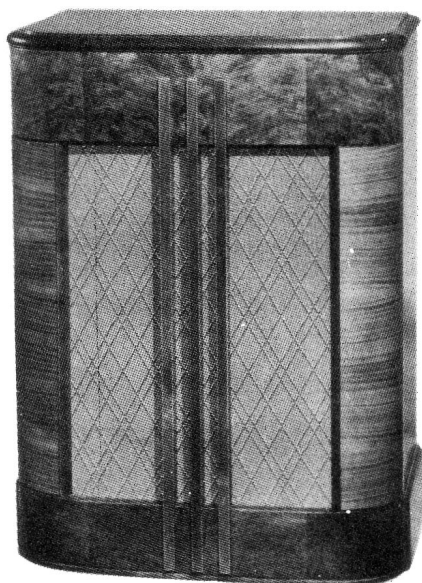
RCA Victor

VICTROLA MODELS VR-2 and VR-6

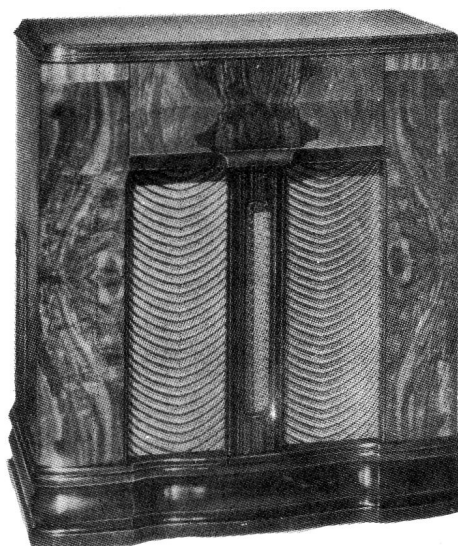
Six and Seven-Tube, Three-Band, A-C, Superheterodyne, Victrolas

TECHNICAL INFORMATION AND SERVICE DATA

SERVICE DIVISION • RCA VICTOR COMPANY LIMITED • MONTREAL



Model VR-2



Model VR-6

Electrical Specifications

FREQUENCY RANGES		
"Standard Broadcast" (A)	540-1,720 kc	
Intermediate Frequency		455 kc
TUBE COMPLEMENT		
(1) Type-6K7	R.F. Amplifier	
(2) Type-6SA7	First Detector—Oscillator	
(3) Type-6K7 ...	Intermediate-Frequency Amplifier	
(4) Type-6SQ7...	Second Detector, 1st A-F, & A.V.C.	
Pilot Lamps		Mazda 47, 6.3 volts, 0.15 amp.
POWER SUPPLY RATINGS		
A	105-125 volts,	60 cycles, 115 watts
B	105-125 volts,	25 cycles, 115 watts
POWER OUTPUT		
Undistorted	2 watts	
Maximum	5 watts	
PHONOGRAPH (VR-6)		
Type	Automatic	
Record Capacity.....	Eight 10-inch or seven 12-inch	
Turntable Speed	78 r.p.m. adjustable	
		LOUDSPEAKER (RL-70H-1)
		Type
		12-inch Electrodynamic
		Voice Coil Impedance
		2.2 ohms at 400 cycles
		PICKUP
		Type
		Crystal
		Impedance
		100,000 ohms at 1,000 cycles
		Average Output
		1.5 volts at 1,000 cycles
		across 500,000 ohm load

Mechanical Specifications

	Model VR-6
Height	34 inches
Width	30 1/2 inches
Depth	16 3/4 inches
Net Weight	83 pounds
Shipping Weight	102 pounds

	Model VR-2
.....	36 1/4 inches
.....	27 inches
.....	16 3/4 inches
.....	70 pounds
.....	89 pounds

General Description

Model VR-2 is a six tube, three band receiver combined with a manually-operated phonograph. Model VR-6 uses the same chassis as the VR-2 with the addition of the "Magic Eye" tuning indicator combined with an automatic phonograph mechanism. Features of design include:—Magnetite core I.F. transformers

and low frequency "A" band oscillator adjustment; Radio-Phono-Television tone switch; Television audio input socket; mechanical push button tuning for six favorite stations; twelve inch electrodynamic loud-speaker and a large, easy-to-read, straight-line dial.

Motor Assembly (VR-2)

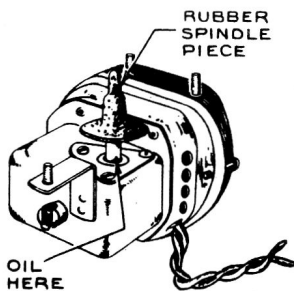
Phonograph Mechanism:

The phonograph motor is a self-starting, constant-speed induction type. It should be lubricated every six months by applying a few drops of light machine oil to the spindle bearing and oil hole.

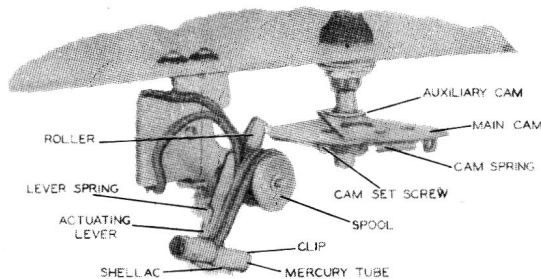
The motor spindle is tapered, and a conical rubber piece fits snugly on the spindle. The hole in the turntable bushing is tapered to fit the rubber. This provides an excellent self-centering floating mounting.

A metal washer is placed on the spindle under the rubber piece. The washer has ears on the under side which fit over a pin that projects through the spindle.

The motor switch is automatic for both starting and stopping, and when properly adjusted, will turn the motor on as the pickup is moved from the pickup rest toward the turntable. The switch should be adjusted so that it will snap into the "off" position when the pickup needle is $1\frac{3}{4}$ inches from the center line of the spindle shaft. The motor may be shut off at any time by placing the pickup on the pickup rest.

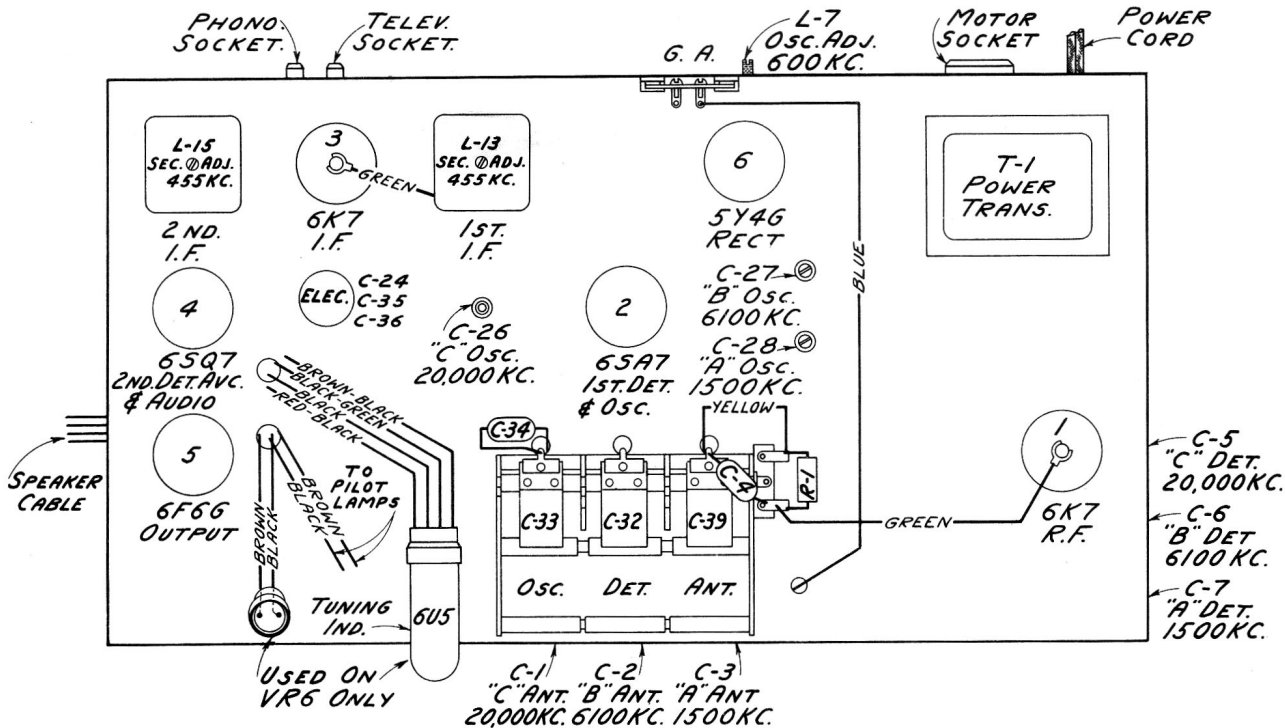


Phonograph Motor



Switch Mechanism

(Shown with pickup in rest position)



Chassis Layout and Alignment Adjustments

Alignment Procedure

Cathode-Ray Alignment is the preferable method. Connections for the oscillograph are shown on the schematic drawing.

Output Meter Alignment.—If this method is used, connect the meter across the voice coil, and turn the receiver volume control to maximum.

Test-Oscillator.—For all alignment operations, connect the low side of the test-oscillator to the receiver chassis, and keep the output as low as possible to avoid a-v-c action.

Calibration Scale on Indicator-Drive-Cord-Drum.—The tuning dial is fastened in the cabinet and cannot be used for reference during alignment; therefore, a calibration scale is attached to the tuning drum. The setting of the gang condenser is read on this scale, which is calibrated in degrees. The correct setting of the gang in degrees, for each alignment frequency, is given in the alignment table.

As the first step in r-f alignment, check the position of the

drum. The 240° mark on the drum scale must be vertical and directly above the center of the shaft of the tuning drum when the plates are fully meshed. The drum is held to the shaft by means of two set-screws, which must be tightened securely when the drum is in the correct position.

On the inner side of the tuning drum are two projections which serve as stops to prevent extreme rotation of the gang condenser. The tuning drum should be set so that the stop limiting clockwise movement of the drum takes effect just as the gang condenser plates are becoming fully meshed, thus preventing stress on the gang due to extreme rotation.

Pointer for Calibration Scale.—Improve a pointer for the calibration scale by fastening a piece of wire to the chassis, and bend the wire so that it points to the 240° mark on the calibration scale when the plates are fully meshed.

Order of Alignment	Test Oscillator			Range Selector	Receiver Dial Setting	Circuit to Adjust	Adjustment Symbols
	Connection to Receiver	Dummy Antenna	Frequency Setting				
1	6K7 I.F. Grid	.001 Mfd.	455 kc	"A"	No Signal 550-750 kc	2nd I.F. Trans.	L14 & L15
2	6SA7 Det. Grid	.001 Mfd.	455 kc	"A"	No Signal 550-750 kc	1st I.F. Trans.	L12 & L13
3	Ant. Term	300 ohms	20,000 kc	"C"	20 mc (41°)	"C" Osc.	C26
4	Ant. Term	300 ohms	20,000 kc	"C"	20 mc (41°)	"C" Det.	C5
5	Ant. Term	300 ohms	20,000 kc	"C"	20 mc (41°)	"C" Ant.	C-1
6	Ant. Term	300 ohms	6,100 kc	"B"	6.1 mc (51°)	"B" Osc.	C27
7	Ant. Term	300 ohms	6,100 kc	"B"	6.1 mc (51°)	"B" Det.	C6
8	Ant. Term	300 ohms	6,100 kc	"B"	6.1 mc (51°)	"B" Ant.	C2
9	Ant. Term	200 Mmfd.	1,500 kc	"A"	1,500 kc (42°)	"A" H-F Osc.	C28
10	Ant. Term	200 Mmfd.	600 kc	"A"	600 kc (201°)	"A" L-F Osc.	L7
11	Ant. Term	200 Mmfd.	1,500 kc	"A"	1,500 kc (42°)	"A" Det.	C7
12	Ant. Term	200 Mmfd.	1,500 kc	"A"	1,500 kc (42°)	"A" Ant.	C3

NOTE:—Align the I.F. Circuits by means of the oscillograph, for a symmetrical curve. Peak R.F. stages of all bands.

Push Button Adjustments

The push buttons should be adjusted for six favorite stations after the receiver has had a brief warm-up period.

Any standard broadcast stations may be chosen. The preferable arrangement is to adjust for stations in the order of frequency, from low to high.

Proceed as follows:—

1. Set the accessory tone knob to "Radio" and turn the range selector to "A" band position.

2. Remove the six push buttons by inserting a small screwdriver blade in the slot provided on the under side of the button. Press the screwdriver blade upwards at the same time pull the button forward.

3. Loosen the push arm adjusting screws accessible through the push button openings.

4. Press in the tuning knob and accurately tune in the first station.

5. With station accurately tuned in, press in the first push button and tighten screw.

6. Proceed in a similar manner to adjust the remainder of the push buttons.

7. Replace push buttons by inserting in the escutcheon openings, spring side down. Press button in as far as possible to securely lock button in escutcheon.

8. Place call letter tabs in openings provided.

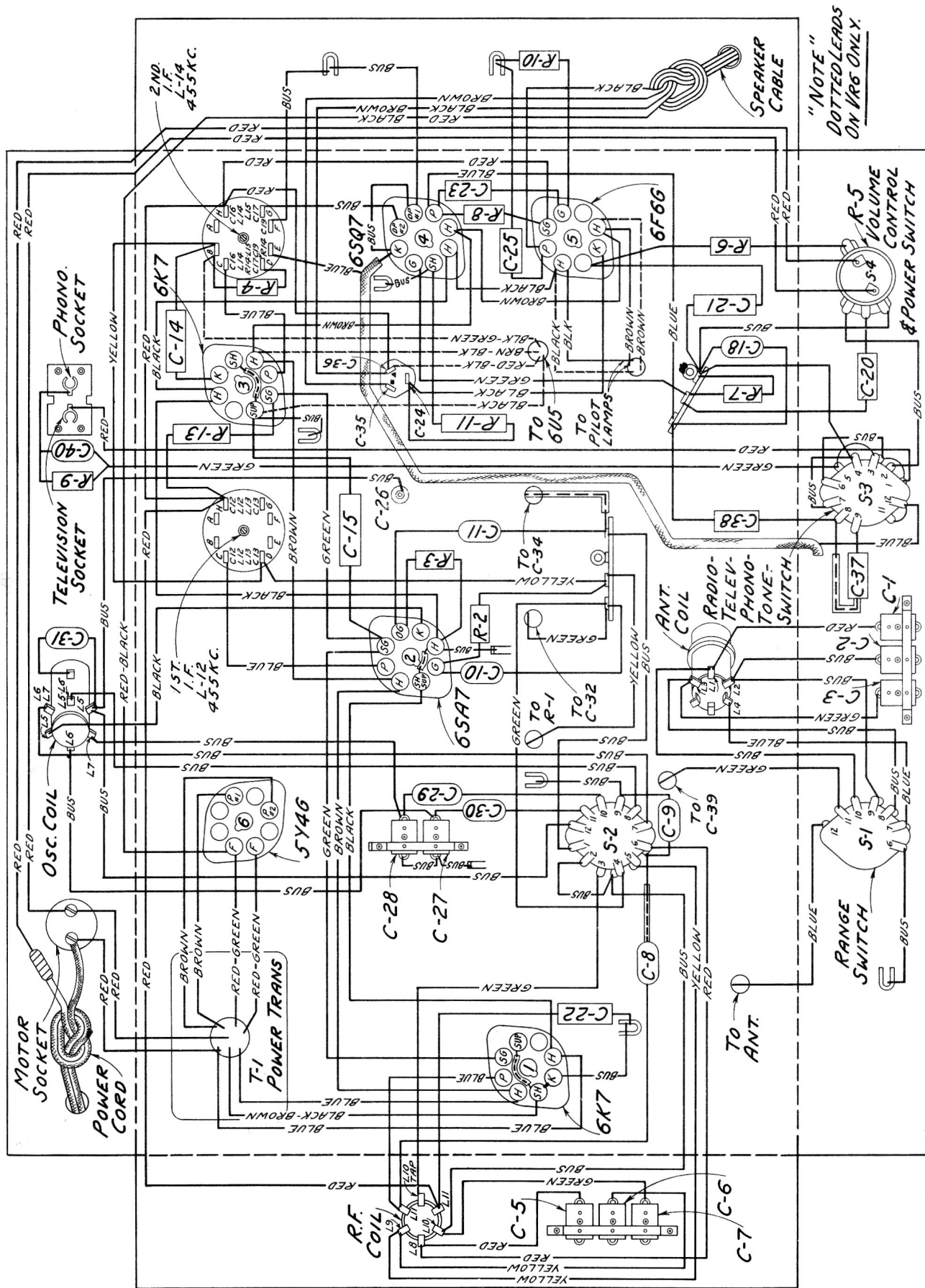
Note:—When difficulty is experienced in setting up the push buttons due to sticking cams, unscrew cam screw ½ turn and rotate gang back and forth until the cam plate moves freely.

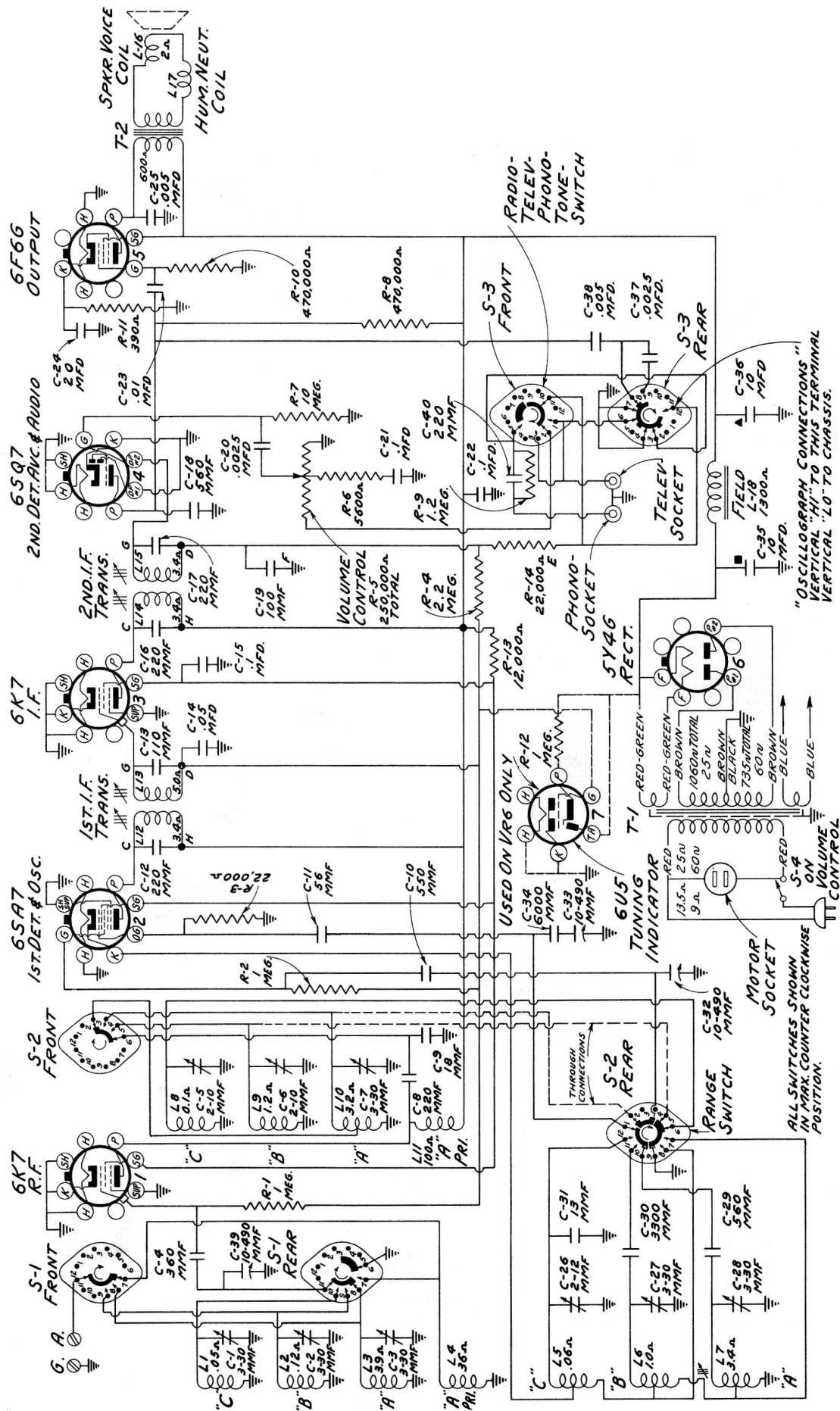
Radiotron Socket Voltages

Type	Plate	Screen Grid	Cathode	Heater
6K7 R.F.	265V	90V	6.4V
6SA7 Conv.	265V	90V	6.4V
6K7 I.F.	265V	90V	6.4V
6SQ7 Audio	90V*	6.4V
6F6G Output	255V	265V	17V	6.4V
5Y4G Rectifier	335V/335V		360V	5.0V

*Cannot be accurately measured with an ordinary voltmeter due to the high series resistance.

All the above values hold within plus or minus 20% when measured with 1000 ohm-per-volt meter.





Automatic Record Changer (VR-6)

GENERAL INFORMATION

Before servicing the automatic record changer, inspect the assembly to see that all levers, parts, gears, springs, etc. are in good order and are correctly assembled.

A bind or jam in the mechanism can usually be relieved by rotating the turntable in the reverse direction.

The changer can be conveniently rotated through its change cycle by pushing the index lever to "Reject" and revolving the turntable by hand. Six turntable revolutions are required for one change cycle.

The turntable, spindle, and pinion gear are assembled by means of a 3/32 inch straight pin. This pin may be removed by gently driving with a standard pin punch.

If the record changer or cabinet is not perfectly level, normal operation is likely to be affected.

The 10 and 12 inch records must be absolutely flat for smooth operation when using a mixture of the two sizes.

A shorting switch, located in the pickup head, operates due to pressure when the pickup is placed on the pickup rest.

ADJUSTMENTS

A. Main Lever.—This lever is basically important in that it interlinks the various individual mechanisms which control needle landing, tripping, record separation, etc. One adjustment is provided for the main lever. Rotate the turntable until the changer is out-of-cycle; and adjust rubber bumper bracket (A) so that the roller clears the nose of the cam plate by 1/16 inch.

B. Friction Clutch.—The motion of the tone arm toward the center of the record is transmitted to the trip pawl "22" by the trip lever "7" through a friction clutch "5." If the motion of the pickup is abruptly accelerated or becomes irregular due to swinging in the eccentric groove, the trip finger "7" moves the trip pawl "22" into engagement with the pawl on the main gear, and the change cycle is started. Proper adjustment of the friction clutch "5" occurs when movement of the tone arm causes positive movement of the trip pawl "22" without tendency of the clutch to slip. The friction should be just enough to prevent slippage, and is adjustable by means of screw "B." If adjustment is too tight, the needle will repeat grooves; if too loose, tripping will not occur at the end of the record.

C. Pickup Lift Cable Screw.—During the record change cycle, lever "16" is actuated by the main lever "15" so as to raise the tone arm clear of the record by means of the pickup lift cable. To adjust pickup for proper elevation, stop the changer "in-cycle" at the point where pickup is raised to the maximum height above turntable plate, and has not moved outward; at this point adjust locknuts "C" to obtain 1 inch spacing between needle point and turntable top surface.

D. & E. Needle Landing on Record.—The relation of coupling between the tone arm vertical shaft and lever "20" determines the landing position of the needle on a 10 inch record. Position of eccentric stud "E" governs the landing of the needle on a 12 inch record; this, however, is dependent on the proper 10 inch adjustment.

To adjust for needle landing, place 10 inch record on turntable; push index lever to reject position and return to the 10 inch position; see that pickup locating lever "17" is tilted fully toward turntable; rotate mechanism through cycle until needle is just ready to land on the record; then see that pin "V" on lever "14" is in contact with "Step T" on lever "17." The correct point of landing is 4-11/16 inches from the nearest side of the turntable spindle; loosen the two screws "D" and adjust horizontal position of tone arm to proper dimension, being careful not to disturb levers "14" and "17." Leave approximately 1/32 inch end play between hub of lever "20" and pickup base bearing, and tighten the blunt nose screw "D"; run mechanism through several cycles as a check, then tighten cone pointed screw "D".

After adjusting for needle landing on a 10 inch record, place 12 inch record on turntable; push index lever to reject and return to 12 inch position; rotate mechanism through cycle until needle is just ready to land on the record; the correct point of landing is 5-11/16 inches from nearest side of spindle. If the landing is incorrect, turn stud "E" until the eccentric end adjusts lever "14" to give correct needle landing. The eccentric end of the stud must always be toward the rear of the motor board, otherwise incorrect landing may occur with 10 inch records.

F. & G. Record Separating Knife.—The upper plate (knife) "25" on each of the record posts serves to separate the lower record from the stack and to support the remaining records during the change cycle. It is essential that the spacing between the knife and the rotating record shelf "27" be accurately maintained. The spacing for the 10 inch record is nominally .058 inch, and for the 12 inch record is .075 inch.

To adjust, rotate the knife to the point of minimum

vertical separation from the record shelf and turn screw and locknut "F" to give .055—.061 inch separation. Screw "G" must not be depressed during this adjustment. After setting screw "F" adjust screw "G" so that when its tip is depressed flush with top of record shelf, the vertical spacing between the knife, in its lowest rotational position, and the shelf, is .072—.078 inch.

H. Record Support Shelf.—The record shelf revolves during the change cycle to allow the lower record to drop onto the turntable. Both posts are rotated simultaneously by a gear and rack coupled to the main lever "15," and it is necessary that adjustments be such that the record is released from both shelves at the same instant. To adjust, place a 12 inch record on the turntable, rotate mechanism into cycle to the point where tone arm is at maximum distance outward from turntable; lift record upward until it is in contact with both separating knives, then loosen screws "H" and shift record shelves so that the curved inner edges of the shelves are uniformly spaced at least 1/16 inch from record edge. Tighten the blunt nose screw "H," run mechanism through cycle several times to check action, then tighten cone pointed screw "H".

If record shelves or knives are bent, or not perfectly horizontal, improper operation and jamming of mechanism will occur.

J. Tone Arm Rest Support (not shown).—When the changer is out-of-cycle, the front lower edge of the pickup head should be 5/16 inch above surface of motor board. This may be adjusted by bending the tone arm support bracket, which is associated with the tone arm mounting base, in the required direction.

K. Trip Pawl Stop Pin.—The position of the trip pawl stop pin "K" in relation to the main lever "15" governs the point at which the roller enters the cam. By bending the pin support either toward or away from trip pawl bearing stud, the roller can be made to enter the cam later or earlier, respectively. This adjustment should be made so that the roller definitely clears the cam outer guide as well as the nose of the cam plate.

Lubrication.—Petrolatum or petroleum jelly should be applied to cam, main gear, spindle pinion gear, and gears of record posts.

Light machine oil should be used in the tone arm vertical bearing, record post bearings, and all other bearings of various levers on underside of motor board.

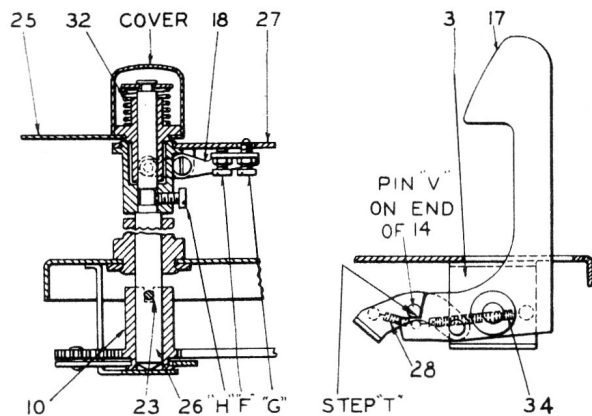
The felt washer between the turntable and spindle bearing should be soaked in light engine oil whenever the turntable is removed, or as required for proper operation.

Do not allow oil or grease to come in contact with, rubber mounting of tone arm base, rubber bumper, or flexible coupling of drive motor.

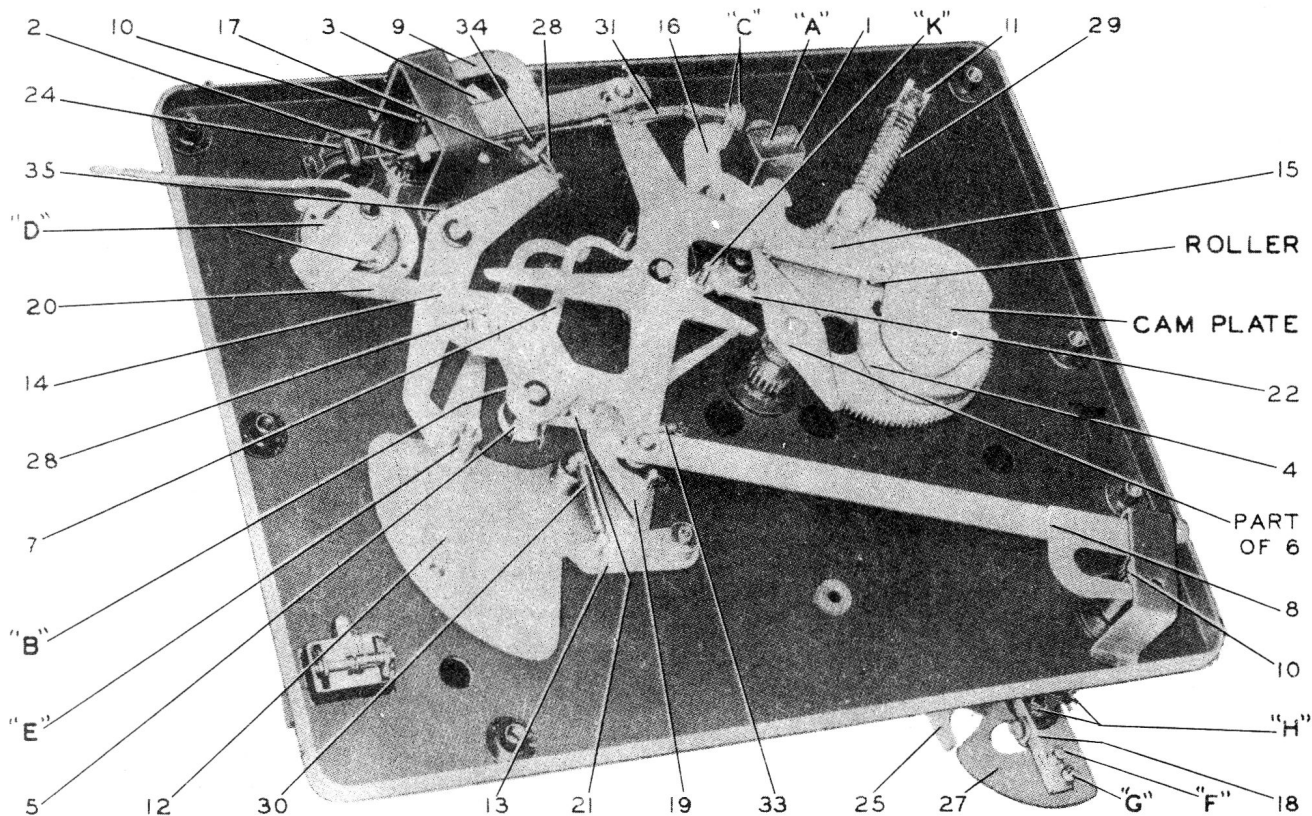
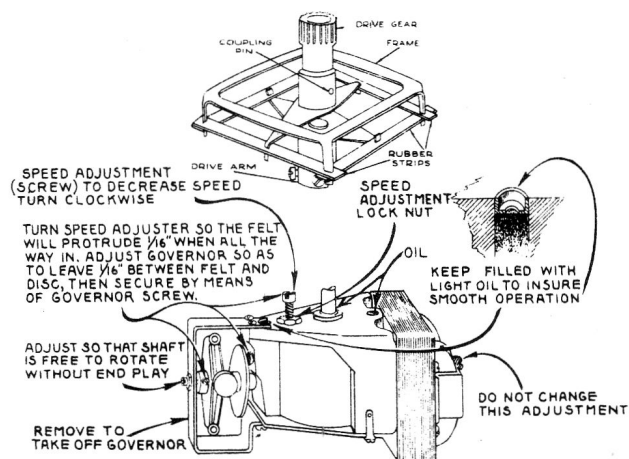
MISCELLANEOUS SERVICE HINTS

Incorrect adjustment of a particular mechanism of the changer is generally exhibited in a specific mode of improper operation. The following relations between effects on operation and the usual mis-adjustments will enable ready adjustment in most cases.

1. For any irregularity of operation, the adjustment of the main lever "15" should be checked first as in "A".
2. Needle does not land properly on both 10 and 12 inch records—Make complete adjustments "D" and "E".
3. Needle does not land properly on 12 inch record but correct on 10 inch—Effect adjustment "E".
4. Failure to trip at end of record—Increase clutch "5" friction by means of screw "B". Also, see that levers "7" and "12" are free to move without touching each other.
5. Pickup strikes lower record of stack or drags across top record on turntable—Adjust lift cable per adjustment "C".
6. Needle does not track after landing—Friction clutch "5" adjustment "B" may be too tight; bind in tone arm vertical bearing; levers "7" and "12" fouled; or pickup output cable twisted.
7. Cycle commences before record is complete—Record is defective, or adjustment "B" of friction clutch "5" is too tight.
8. Wow in record reproduction—Record is defective; flexible coupling between motor and changer mechanism not correctly assembled; or instrument is not being operated at normal room temperature (65° F.).
9. Record knives strike edge of records—Records warped; record edges are rough; or knife adjustments "F" and "G" are incorrect.
10. Record not released properly—Adjust record shelf assemblies in respect to shaft by means of adjustment "H".
11. Needle lands in 10 inch position on 12 inch record or misses record when playing both types mixed—Increase tension of pickup locating lever spring "34".



Details of Record Shelf Posts, and Locating Lever Assemblies (VR-6)



Bottom View of Automatic Record Changer

Bottom View of Automatic Record Changer (VR-6)

REPLACEMENT PARTS FOR MODELS VR-2 and VR-6

Insist on genuine factory tested parts, which are readily identified and may be purchased from authorized dealers.

STOCK No.	DESCRIPTION	STOCK No.	DESCRIPTION
RECEIVER ASSEMBLIES			
14517	Board-Ant.Gnd.terminal board.....	S-2568	Capacitor-3,300 mmfd.(C30).....
14394	Cable-Tuning indicator cable and socket.....	S-2569	Capacitor-6,000 mmfd.(C34).....
31292	Capacitor-Adjustable trimmer (dual) (C27,C28).....	5107	Capacitor-.0025 mfd.(C20,C37).....
S-2550	Capacitor-Adjustable trimmer (triple) (C1,C2,C3).....	4838	Capacitor-.005 mfd.(C25,C38).....
31400	Capacitor-Adjustable trimmer (triple) (C5,C6,C7).....	4937	Capacitor-.01 mfd. (C23).....
12714	Capacitor-Air Trimmer (C26).....	4886	Capacitor-.05 mfd. (C14).....
13002	Capacitor-13 mmfd.(C31).....	4839	Capacitor- 0.1 mfd.(C15,C21,C22).....
31350	Capacitor-18 mmfd.(C9).....	32240	Capacitor-Electrolytic capacitor consisting of two 10 mfd., and one 20 mfd.sections (C24,C35,C36).....
12723	Capacitor-56 mmfd.(C11).....	S-2553	Coil-Antenna coil (L1,L2,L3,L4).....
12694	Capacitor-220 mmfd.(C8,C40).....	32824	Coil-Oscillator coil (L5,L6,L7).....
12952	Capacitor-360 mmfd.(C4).....	S-2555	Coil-R.F.coil (L8,L9,L10,L11).....
12537	Capacitor-550 mmfd.(C10,C18,C29).....	S-2529	Cord-Indicator pointer drive cord.....
		33552	Dial-Station selector dial scale.....
		S-2530	Drive-Friction drive assembly.....

REPLACEMENT PARTS FOR MODELS VR-2 and VR-6 (Cont'd.)

STOCK No.	DESCRIPTION	STOCK No.	DESCRIPTION
34267	Drum-Drive cord drum assembly.....	31114	Lever-Index lever assembly (12).....
S-2531	Indicator-Station selector pointer....	31137	Lever-Index lever tension, spring lever (13).....
11891	Lamp-Dial lamp.....	31138	Lever-Locating lever & pawl assembly(14).....
5040	Plug-4 contact female speaker plug....	31113	Lever-Main lever assembly (15).....
31388	Resistor-390 ohm,1 watt (R11).....	31140	Lever-Pickup lift cable lever & spring assembly (16).....
S-1894	Resistor-5,600 ohm,1/4 watt (R6).....	31135	Lever-Pickup locating lever assembly(17).....
31389	Resistor-12,000 ohm,2.5 watt (R13)....	31130	Lever-Record separator elevating lever and adjustment screws (18).....
13998	Resistor-22,000 ohm,1/4 watt (R3).....	31132	Lever-Trip detaining lever (19).....
12285	Resistor-470,000 ohm,1/4 watt(R8,R10).....	31115	Lever-Trip lever assembly (20).....
12013	Resistor-1 Meg.1/10 watt (R1,R2).....	31131	Lever-Trip regulator lever (21).....
30208	Resistor-1.2 meg.,1/4 watt (R9).....	31133	Pawl-Trip pawl assembly (22).....
12679	Resistor-2.2 meg.,1/4 watt (R4).....	31124	Pin-Record post drive pin(23)(Pkg.5)....
13601	Resistor-10 meg.,1/4 Watt (R7).....	14195	Screw-Set screw for flexible mounting (Pkg.2).....
S-2446	Retainer A.C. female socket retainer (Pkg.3).....	31117	Screw-Special screw to adjust clutch tension (Pkg.5).....
4669	Screw-Drum set screw (Pkg.10).....	31126	Separator-Record separator knife (25)...
31418	Spring-Drive cord tension spring (Pkg.2).....	31122	Shaft-Record separator post shaft(26)...
31364	Socket-Dial lamp socket.....	31125	Shelf-Record post shelf assembly (27)...
33514	Socket-Phono & Telev. socket.....	31141	Spindle-Turntable spindle shaft.....
31251	Socket-Tube socket.....	3676	Spring-Cam pawl tension spring on main gear (Pkg.5).....
S-2447	Socket-A.C. female socket.....	14190	Spring-Pickup locating lever short spring or locating lever pawl tension spring (28).....
S-2604	Switch-Range switch (S1,S2).....	31145	Spring-Main lever tension spring(29) (Pkg.2).....
33424	Switch-Tone & phono switch (S3).....	31136	Spring-Index lever tension spring(30) (Pkg.2).....
S-2596	Transformer-1st I.F.transformer (L12,L13,C12,C13).....	3666	Spring-Pickup cable tension spring(31) (Pkg.4).....
33761	Transformer-2nd I.F.transformer (L14,L15,C16,C17,C19,R14).....	31127	Spring-Record separator pressure spring (32) (Pkg.10).....
S-2476	Transformer-Power transformer 105/125 volt 50/60 cycle (T1).....	14191	Spring-Trip detaining lever tension spring (33) (Pkg.5).....
33618	Transformer-Power transformer 105/125 volt,25/60 cycle.....	31875	Spring-Pickup locating lever tension spring (34) (Pkg.5).....
S-2536	Volume control & power switch (R5,S4).....	32436	Spring-Locating lever tension spring(35) (Pkg.2).....
MOTOR BOARD ASSEMBLIES (VR-2)		31139	Turntable assembly-less spindle.....
S-2285	Damper-Turntable damper plate & sleeve	31128	Washer-"C" washer for top of record post (Pkg.5).....
32558	Motor-Phonograph motor 105/125 volts 60 cycle (MI).....	31143	Washer-Turntable thrust washers(1 set).. PICKUP & ARM ASSEMBLIES (VR-6)
32638	Motor-Phonograph motor 105/125 volts 25 cycle (MI).....	31162	Cable-Pickup arm lift cable.....
31463	Turntable-Motor turntable.....	33119	Cable-Shielded cable and plug.....
AUTOMATIC SWITCH ASSEMBLY (VR-2)		31156	Crystal-Pickup crystal cartridge and needle screw.....
33221	Cam-Cam assembly comprising main & auxiliary cams, hubs & set screws....	31159	Pickup and arm complete.....
32864	Lever-Actuating lever with roller & mercury tube clip.....	31160	Screw-Pickup needle screw.....
32869	Screw-Set screw for cam hub (Pkg.10)...	31161	Shaft-Pickup pivot arm & shaft assembly.. MOTOR BOARD ASSEMBLIES (VR-6)
32868	Spring-Actuating lever tension spring (Pkg.2).....	31149	Base-Pickup arm mounting base.....
32867	Spring-Cam tension spring (Pkg.2).....	14209	Bumper-Main lever rubber bumper(Pkg.2).. 9848
32865	Support-Switch support & terminal board.....	31148	Cup-Used needle cup,rest & lid complete. Escutcheon-Index escutcheon.....
S-2549	Switch-Mercury tube & leads (S4).....	31155	Spring-Needle cup lid tension spring (Pkg.5)..... MOTOR ASSEMBLIES (VR-6)
31608	Washer-"C" washer for actuating lever shaft (Pkg.10).....	31623	Governor-Motor governor 60 cycle.....
PICKUP & ARM ASSEMBLIES (VR-2)		31624	Governor-Motor governor 25 cycle.....
S-2451	Base-Pickup arm mounting base & pivot shaft.....	31157	Motor-105-125 volts,60 cycle (MI).....
33122	Crystal-Pickup crystal cartridge and needle screw.....	31448	Motor-105-125 volts,25 cycle (MI).....
33529	Screw-Pickup needle screw.....	30870	Plug-2 contact male plug for motor cable
33591	Shell-Pickup shell less crystal and mounting base.....	31447	Screw-Complete set of motor mounting screws,washers and spacers 25 cycle....
OPERATING MECHANISM (VR-6)		31158	Screw-Complete set of motor mounting screws,washers and spacers 60 cycle....
31134	Bracket-Pickup locating lever mounting bracket (3).....	31634	Shaft-Turntable shaft & gear 60 cycle...
32878	Cam-Cam & gear assembly (4).....	31636	Shaft-Turntable shaft & gear 25 cycle...
6808	Clutch-Trip lever friction clutch assembly (5).....	32912	Weight-Governor weight & spring 60 cycle
31146	Coupling-Motor coupling complete with drive gear,rubber strips,motor coupling & drive arm (6).....	32913	Weight-Governor weight & spring 25 cycle REPRODUCER ASSEMBLIES (RL70H-1)
31129	Cover-Cap for top of record post.....	13866	Cap-Dust cap for cone center(Pkg.5).....
31116	Finger-Trip lever friction finger assembly (7).....	12012	Coil-Field coil (L18).....
31119	Gear-Long arm & rack gear for front left-hand record post (8).....	11469	Coil-Hum neutralizing coil (L17).....
31120	Gear-Short arm & rack gear for rear right hand record post (9).....	31275	Cone-Reproducer cone & voice coil(L16)...
31121	Gear-Record post gear (10).....	31302	Plug-4 contact male plug.....
31123	Guide-Main lever spring guide (11)....	31592	Reproducer complete.....
		14355	Transformer-Output (T2)..... MISCELLANEOUS ASSEMBLIES
		S-2537	Button-Station selector push button.....
		S-2539	Escutcheon-Station selector dial escutcheon
		S-2540	Knob-Volume,tone,range or tuning control knob.....
		S-2541	Marker-Push button call letter markers (1 set).....
		14270	Spring-Knob retaining spring (Pkg.10)...
		S-2543	Spring-Push button retaining spring (Pkg.3).....