



RCA VICTOR



AUTOMATIC RECORD CHANGER

MODEL RP-200

(960282-1)

SERVICE DATA

—1950 No. 13—

GENERAL SERVICE DIVISION
RCA VICTOR COMPANY LIMITED
MONTREAL, QUE.

FEATURES

1. This record changer is a center support, drop type, two speed (78-33 $\frac{1}{3}$ rpm) mechanism, designed to play automatically a series of twelve ten-inch, or ten twelve inch records of the standard 78 rpm type or of the long playing 33 $\frac{1}{3}$ rpm type.
2. The mechanism is equipped with a light weight, dual stylus crystal cartridge.
3. The automatic tripping device is of the acceleration type.
4. The two speeds of 78 or 33 $\frac{1}{3}$ rpm are controlled by a single knob.
5. The stylus selection is accomplished by a single knob.

AUTOMATIC OPERATION

1. Lift the record stabilizing clamp.
2. Place a stack of records, ten inch if desired; over the center post leaving the edge of the stack resting on the ten-inch support.
When playing a stack of twelve-inch records, raise both the stabilizing clamp and the ten-inch record support before placing the stack over the center post. The twelve inch records will rest on the main support.
3. Lower the stabilizing clamp on the stack of records.
4. Turn the speed selector control for the proper speed.
5. Select the proper stylus by turning the knob at the front end of the pickup arm.

NOTE: The speed selector and the stylus selector controls must indicate the same when selecting for a certain type of record.

6. Turn the control knob in the right hand end of the motor-board to "reject" and release.
The mechanism will play one side of each record in the stack automatically. It will continue to repeat the last record of the stack until the pickup is raised from the record and placed on the rest.
7. To reject a record being played, turn the control knob to reject and release.
8. To remove records, place pickup arm on the rest, turn control knob to "off," raise stabilizing clamp and lift the entire stack.

NOTE: The pickup arm should only be handled when the control is in the manual position or before the pickup has played approximately $\frac{1}{3}$ the distance in, if playing automatically. The pickup arm can also be handled when the mechanism is stopped if it feels free to move.

MANUAL OPERATION

1. Raise both the stabilizing clamps and the ten-inch support shelf.
2. Place either a ten or twelve inch record on turntable.
3. Select the proper speed and stylus.
4. Turn control knob to manual.
5. Place pickup on start of the record.
6. When selection is completed, lift pickup arm and place it on the rest.
7. Turn control knob to "off".
8. Lift record straight up to remove.

HELPFUL SUGGESTIONS

Before servicing the mechanism, inspect the assembly to determine whether all levers, springs and parts are in place and not jammed or bent.

1. Never use force to start or stop the turntable or any part of the mechanism.
2. (a) If for any reason the mechanism becomes jammed, it may be released by pulling both the spiral engagement stud and the cycling carriage return stud downward. Then move the cycling carriage in a clockwise direction (viewed from the bottom).
(b) If the two studs cannot be pulled down try to remove the turntable by lifting straight up.
3. Cracked or badly chipped records may damage the stylus.
4. Do not leave records on the mechanism for an extended period of time as a guard against warpage.

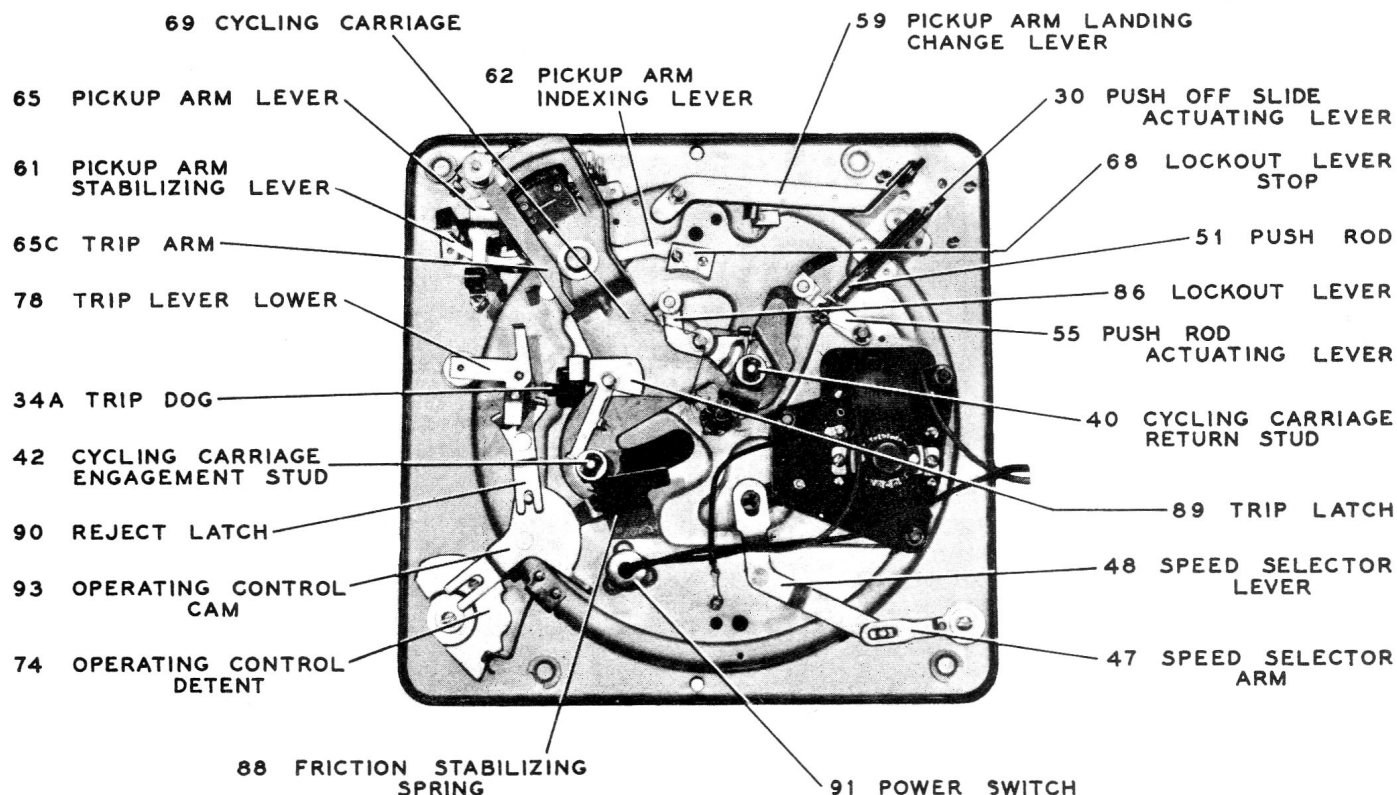
LUBRICATION

The motor bearings and all pivot bearings excepting the pickup arm pivot use Singer sewing machine oil or a good grade of #10 machine oil.

The pickup arm and the trip lever bearings are riding on ball bearings which should be packed sparingly with light grease, preferably STA-PUT #512. Use STA-PUT #512 or equivalent grease on the edges of all cams and pivots or sliding contacts including the spiral track and engagement stud.

NOTE: Do not oil friction clutch or trip arm 65C, spring steel wedge on end of cycling carriage 69 or friction brake 88.

NOTE: Keep oil and grease from all rubber parts of the mechanism.



FUNCTIONS OF PRINCIPAL LEVERS

Push-off slide actuating lever 30

The actuating lever located inside the support post extends through the motorboard. The function is to transfer the movement of the push rod 51 to the 10 and 12 inch push-off slides.

Push-off slides 5, 10

The function of the slide is to push the records off the step in the center post.

Cycling Carriage 69

The cycling carriage forms the main tie link between the various levers. When the mechanism is tripped the cycling carriage engagement stud 42 raises and engages the cycling spiral channel located on the underside of the turntable. This engagement causes the cycling carriage to rotate about its pivot in a counterclockwise direction (Viewed from the bottom). The movement of the carriage continues in the same direction until the inclined portion of the spiral channel pushes the stud down to engage the latch (89). The next instant the cycling carriage return stud (40) becomes unlatched after which it raises and engages the spiral channel which returns the cycling carriage to the normal out of cycle position.

Cycling Carriage engagement Stud 42

The engagement stud forms a link between the cycling carriage and the cycling spiral on the under side of the turntable. This stud causes the cycling carriage to rotate in a counterclockwise direction (viewed from the bottom of the motorboard).

Cycling Carriage Return Stud 40

The return stud forms a link between the

cycling carriage and the cycling spiral. This causes the cycling carriage to return to the normal out of cycle position.

Push Rod 51

The push rod forms a link between the push rod actuating lever (55) and the push off slide actuating lever (30).

Elevating Rod 19

The elevating rod functions as a lift for the pickup arm.

Push rod actuating lever 55

Push rod actuating lever is a tie link between the push rod (51) and the cycling carriage (69). It also is provided with an adjustment to govern the travel of the push-off slides 5 and 10.

Friction stabilizing spring 88

This spring forms a wedge which holds the cycling carriage (69) from drifting when the mechanism is in the playing position. In its braking action it provides a means of slowing the movement of the pickup to provide a gentle landing.

Trip lever (upper) 34

As the pickup arm travels towards the center of the record, the trip lever is carried along by the inter-connecting levers. A small offset located on the turntable shaft rotating with the turntable contacts the end of the trip lever once with each revolution. On each contact the trip lever is pushed back slightly. This slight backward movement continues as long as the pickup is moving at a constant rate of speed. When the pickup enters the eccentric groove of the record, the movement is accelerated and thus allows the trip dog (34A) to drop

off the edge of the trip latch (89) before the turntable has made a revolution, therefore, the small offset on the turntable strikes the trip lever and in so doing, moves trip latch (89) and starts change cycle.

Trip Lever (lower) 78

The lower trip lever mechanically linked to the upper trip lever (34) transfers the action from the underside of the motorboard to the top of the motorboard.

Pickup Arm Landing Change Lever 59

The pickup arm landing change lever functions as a stop for the pickup indexing lever (62). The change lever position is altered depending upon the position of the 10 inch record support 4.

Pickup Arm Indexing Lever 62

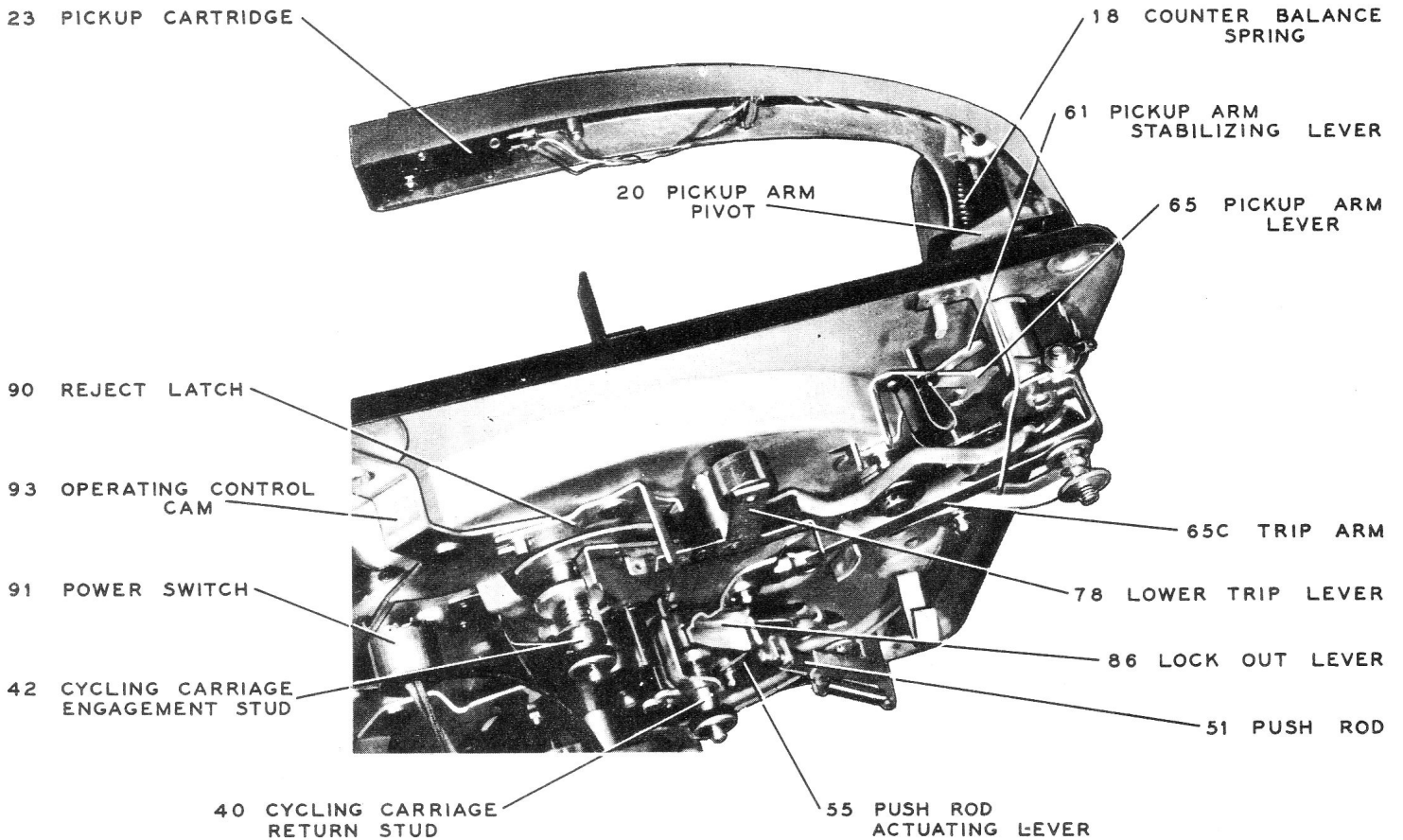
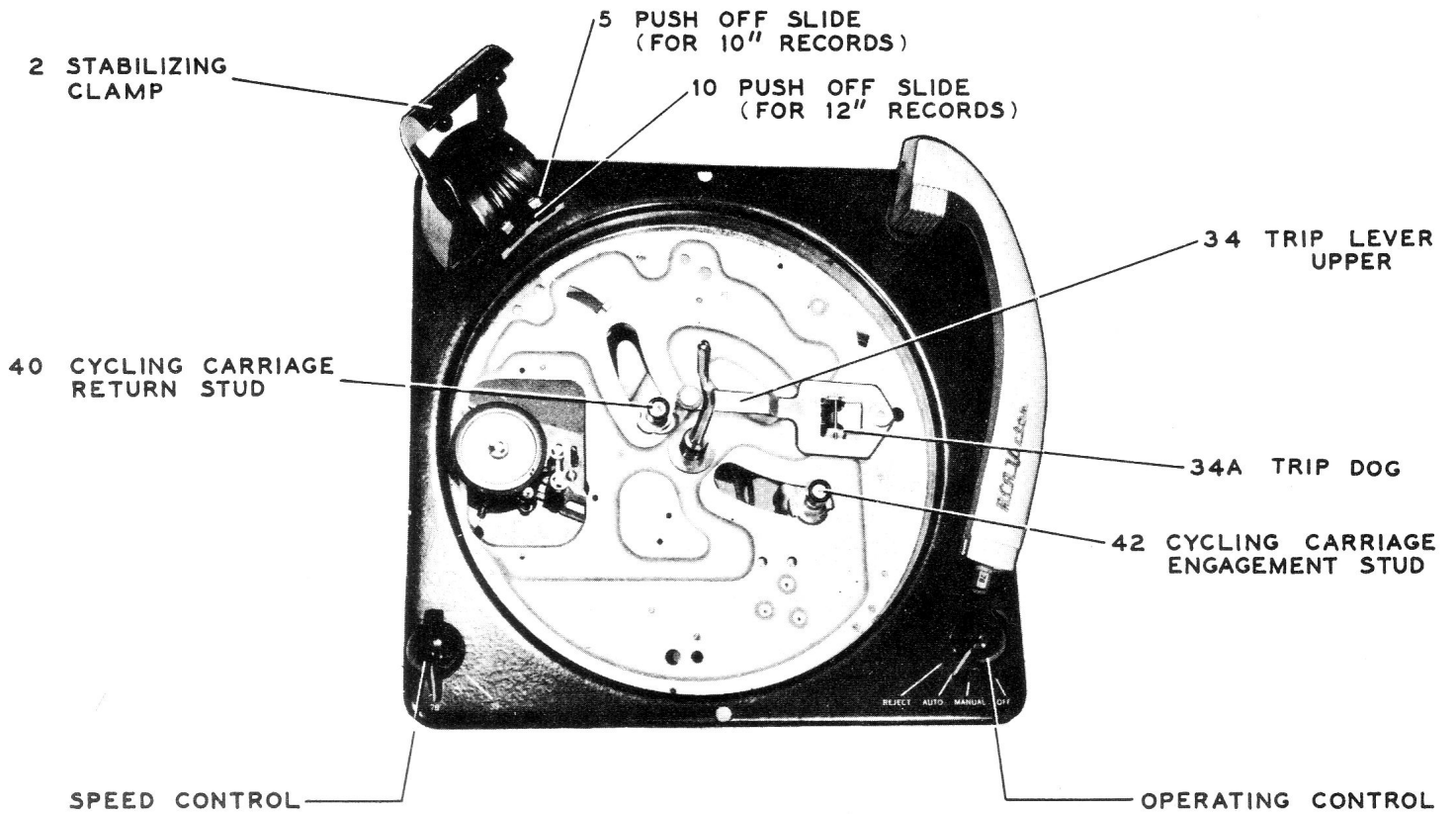
The pickup arm lever engages one of the notches in the indexing lever and in so doing determines the landing position of the pickup.

Pickup arm lever 65


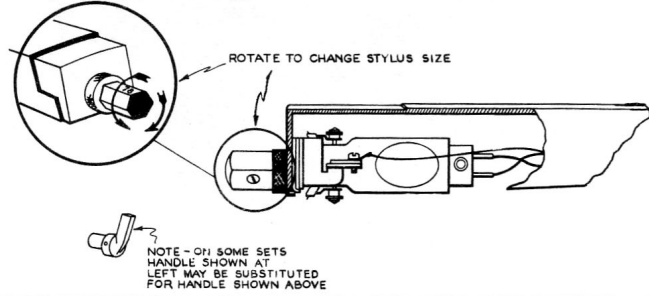
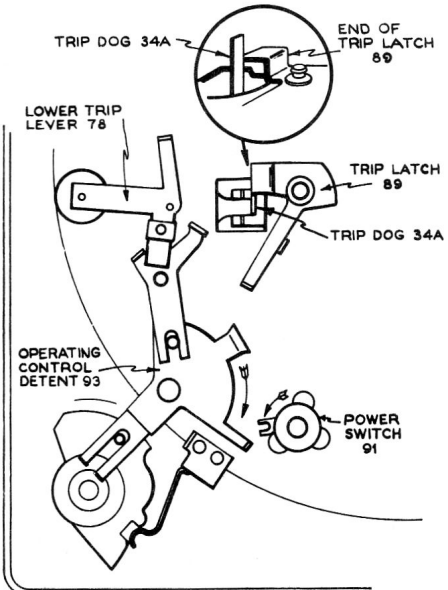
The pickup arm lever is connected to the pickup arm through the pickup arm pivot (20). The inward motion of the pickup arm causes the tripping action as a result of the contact between the pickup arm lever and the lower trip lever.

Pickup Arm Stabilizing Lever 61

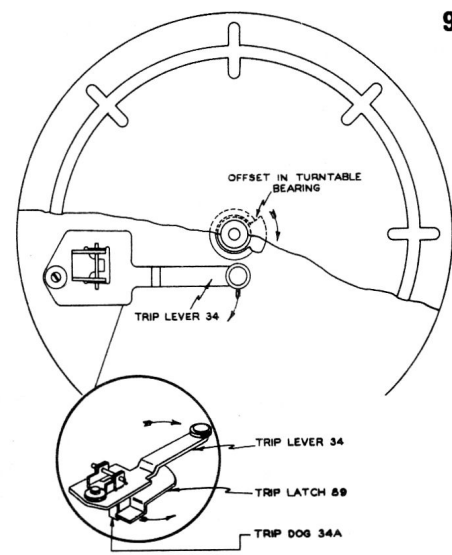
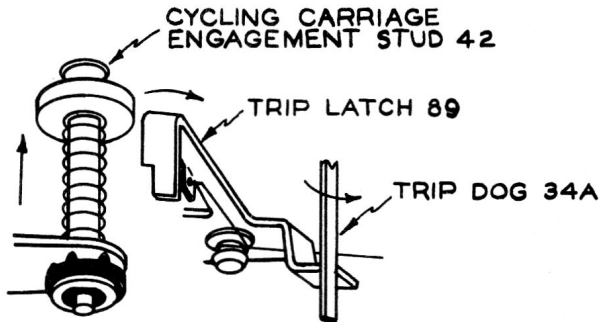
The pickup arm stabilizing lever is actuated by a small tab on the cycling carriage during the change cycle. The forward movement of this stabilizing lever permits contact with the stud (65A) on the pickup arm lever, thereby stabilizing the pickup arm during the change cycle of the mechanism.



CYCLE OF OPERATION

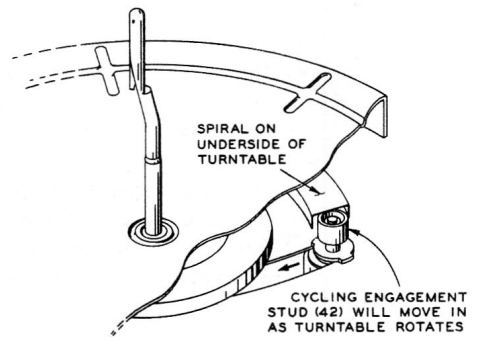
Function	Description
Place a stack of 10 or 12 inch records over the center post. Lower the record stabilizing clamp.	<p>1. The records are supported by notch or step in center post.</p> <p>2. The edge of the records rest on the separator shelf.</p> <p>10 inch records on the 10 inch shelf (4)</p> <p>12 inch records on the 12 inch shelf (9)</p> <p>3. The position of the 10 inch support shelf (4) (up or down) determines the landing position of the pickup due to the action on the landing change (59) and index (62) levers.</p>
Turn speed selector knob to 78 or 33 $\frac{1}{3}$ rpm position (depending on type of record).	<p>1. The motor has a turned down shaft providing a means of changing speed by raising or lowering the idler on the dual diameter shaft.</p>  <p>LARGE SHAFT FOR 78 RPM</p> <p>SMALL SHAFT FOR 33$\frac{1}{3}$ RPM</p>
Rotate stylus knob.	<p>1. The rotation of the stylus knob selects the proper stylus depending on the type of record to be played.</p>  <p>ROTATE TO CHANGE STYLUS SIZE</p> <p>NOTE - ON SOME SETS HANDLE SHOWN AT LEFT MAY BE SUBSTITUTED FOR HANDLE SHOWN ABOVE</p>  <p>TRIP DOG 34A</p> <p>END OF TRIP LATCH 89</p> <p>LOWER TRIP LEVER 78</p> <p>TRIP LATCH 89</p> <p>TRIP DOG 34A</p> <p>OPERATING CONTROL DETENT 93</p> <p>POWER SWITCH 91</p>
Push Control knob to reject position and release.	<p>1. The Operating Control detent (74) mechanically connected to control knob engages and actuates the power switch (91) starting the turntable rotating.</p> <p>2. Further rotation of the control knob moves the lower trip lever (78) sufficiently to allow the trip dog (34A) to slide off the end of the trip latch (89).</p>

3. As the trip dog slides off the trip latch, the trip lever (34) has moved in sufficiently for the offset on the turntable shaft to contact the end of the trip lever and push it back.
4. The backward movement of the trip lever (34) unlatches cycling engagement stud (42) allowing it to raise and engage the cycling spiral.

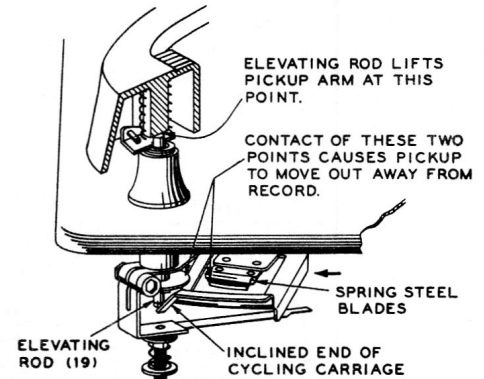


Cycling starts.

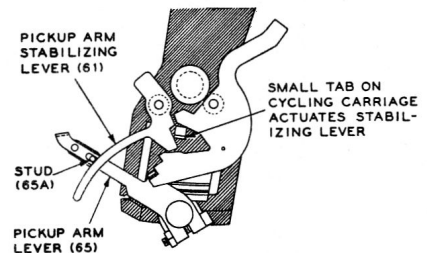
1. As the cycling carriage engagement stud (42) engages the spiral on the under side of the turntable, the carriage begins to move counterclockwise (viewed from the bottom of the motorboard) about its pivot.



2. The inclined end of the carriage located beneath the pickup arm pivot raises the elevating rod (19) lifting the pickup arm.
3. The same end of the cycling carriage has two spring steel blades forming a frictional connection between the cycling carriage and the pickup arm lever (65) by wedging the disc portion of the pickup arm lever between the two blades. This moves the pickup arm outward.



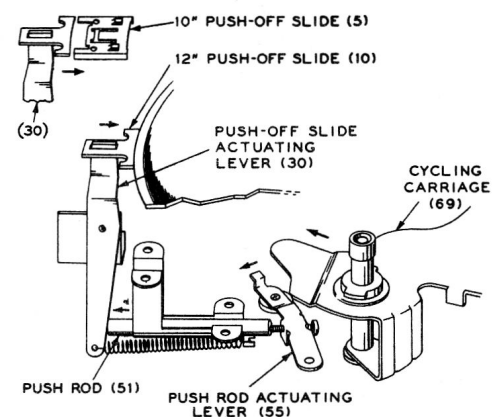
4. A small tab on the cycling carriage contacts and moves the pickup arm stabilizing lever (61) against the stud (65A) mounted on the tension spring incorporated in the pickup arm lever (65). This contact stabilizes the pickup arm in its movement during change cycle.



Record drops to the turntable.

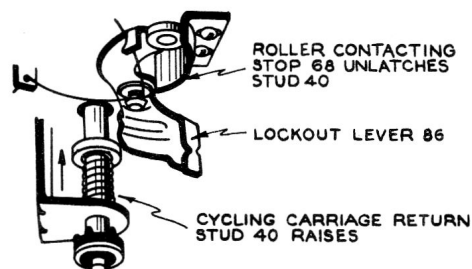
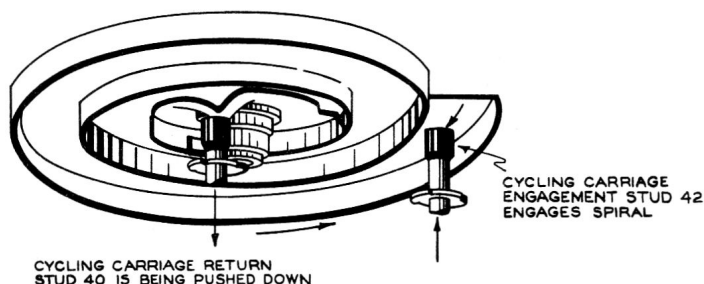
1. As the cycling carriage continues to rotate, the end nearest the support post contacts push rod actuating lever (55), starting the action necessary to push the record off the center post.
2. The movement of the push rod actuating lever (55) through the linkage of push rod (51) push-off slide actuating lever (30) and push-off slide (5 or 10) pushes the record off the center post.
3. Record drops to turntable.

Note: The mechanism incorporates two push-off slides; one for ten inch (5) and one for twelve inch records (10).

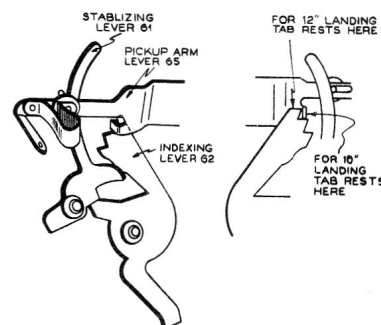
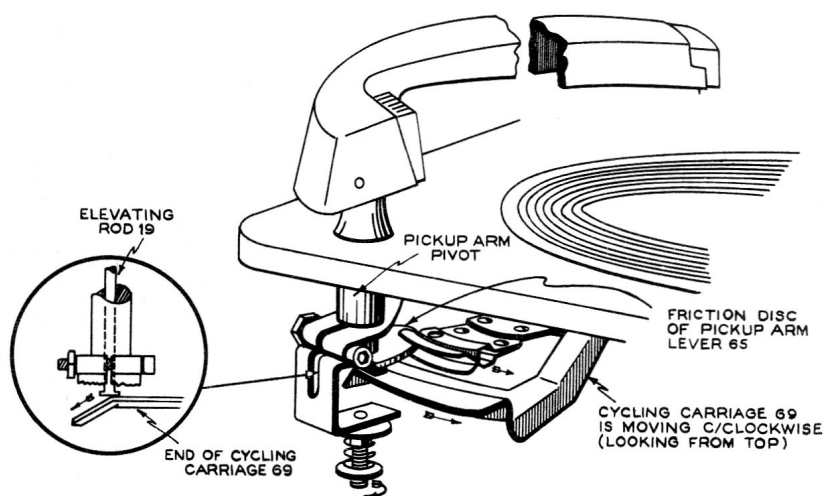


Pickup moves in for landing.

1. Up to this time the cycling carriage (69) is moving in a counterclockwise direction (viewed from the bottom). After the record is pushed off the center post the lock out lever (86) mounted on cycling carriage contacts the stop and in so doing unlatches the cycling carriage return stud (40).
2. As the cycling carriage return stud (40) raises to engage the spiral on the underside of the turntable, the cycling engagement stud (42) is pushed down and latched by the action of the incline in the spiral tract, thereby disengaging it from the spiral.
3. The cycling carriage is now moving clockwise (viewed from the bottom of the motorboard).



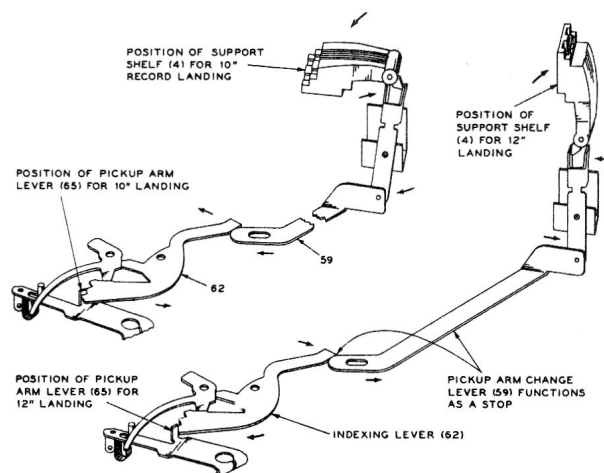
4. The end of the cycling carriage beneath the pickup arm pivot again makes the frictional contact with the disc on the pickup arm lever (65). This contact moves the pickup arm in for landing.
5. The pickup arm on its inward movement continues to be stabilized by the pickup arm stabilizing lever (61). This stabilizing continues until the tab on the pickup arm lever is against the ten or twelve inch landing notch in the indexing lever.
6. An instant later the small tab on the cycling carriage contacts the side of the pickup arm stabilizing lever, unlatching the indexing lever (62) and permitting free motion of the pickup arm.
7. The elevating rod sliding down the small incline on the cycling carriage permits the pickup to land on the start of the record.



Note: It should be understood that the function of the indexing lever (62) is to determine the landing position of the pickup, both on ten and twelve inch records.

This is done by the pickup arm change lever (59) functioning as a stop for the indexing lever (62). The position of the pickup arm change lever in turn is governed by the position of the ten inch support shelf (4) (up or down).

8. As the pickup is landing the cycling carriage has reached its starting position and the cycling carriage return stud (40) is pushed down by the incline in the cycling spiral and locked in position.

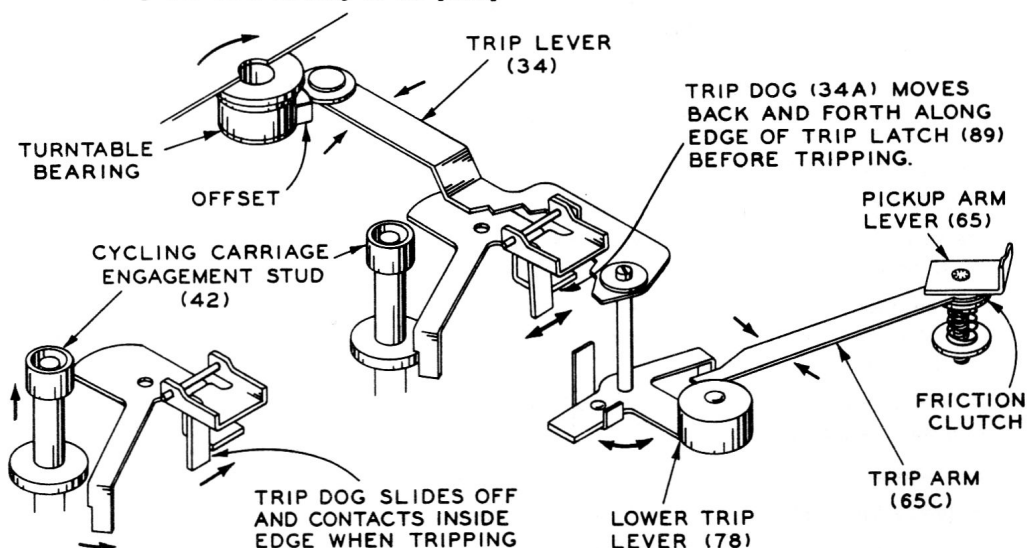


Cycling is completed and record plays.

1. While the record plays, the end of the trip lever (34) is slowly moving toward the center post due to the force produced by the pickup arm down through the linkage of the pickup arm lever (65) trip arm (65C) and the lower trip lever (78).
2. As the trip lever slowly (34) approaches the offset on the inner shaft of the turntable it is pushed back slightly with each revolution of the turntable.
3. The trip lever continues to be pushed back against the friction clutch of the trip arm (65C) as long as the pickup

arm moves in at a constant rate of speed.

4. When the pickup reaches the end of the selection the pickup moves into the eccentric groove quite rapidly. This rapid movement permits the trip dog (34A) to slide off the edge of the trip latch (89) before the offset on the turntable shaft has made one revolution. As the offset contacts the trip lever (34), it unlatches the trip latch (89) permitting the cycling carriage engagement stud (42) to raise and engage the cycling spiral starting a new cycle.



Pickup raises and moves out.

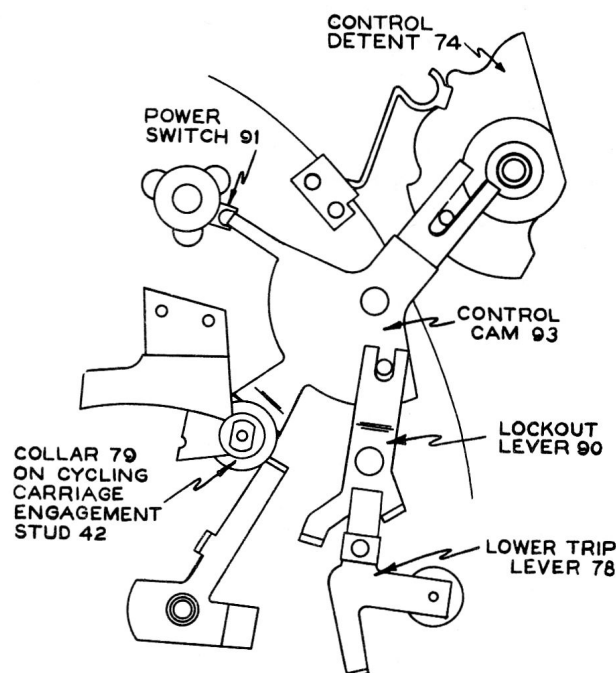
1. After the mechanism has been tripped the pickup arm moves out and rises by action of the cycling carriage (69) on the pickup arm lever (65) and the elevating rod (19).
2. The mechanism again follows the preceding sequence of dropping and playing records until the last record of this stack has been played. The mechanism is not provided with an automatic stop so the last selection is repeated until the pickup arm is placed on the rest and the power removed from the drive motor.

Note: The pickup arm can be raised and moved to the rest position any time after the mechanism has completed the change cycle, providing the pickup has not played more than approximately $\frac{1}{3}$ of the selection. If the pickup arm is moved after this time, the mechanism will go into change cycle and the pickup arm should not be retarded in its movement.

The pickup arm can also be handled when the mechanism is not in operation, providing the pickup arm has freedom of motion.

Turn function control knob to manual.

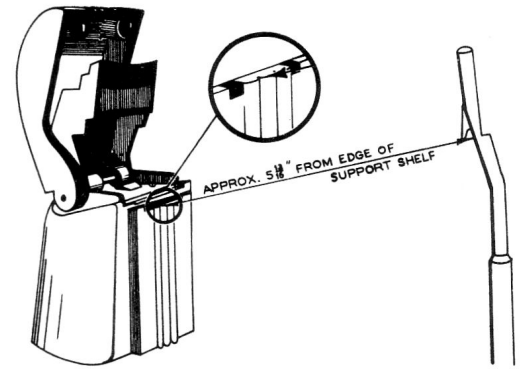
1. The control detent (74) which is mechanically connected to the control knob, actuates the power switch through the control cam (93). This action starts the turntable rotating.
2. One end of the control cam also slides under the collar (79) on the cycling carriage engagement stud (42). This prevents the stud from raising if the trip lever is disturbed.
3. The control cam also holds the manual lock out lever (90) in such a position that it locks the lower trip lever (78) to prevent tripping. In this position, the trip lever (34) is held away preventing contact with off-set on turntable shaft.



ADJUSTMENTS

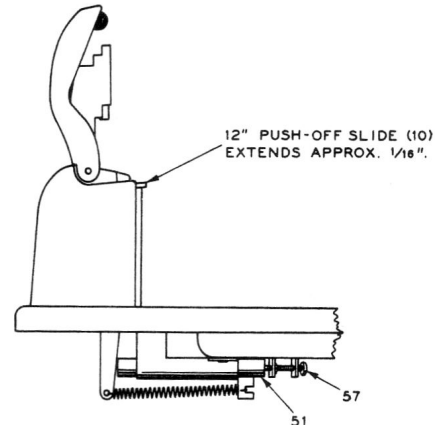
POSITION OF SUPPORT POST

1. Loosen three mounting screws at the base of the support post.
2. Slide support post to a position as indicated in accompanying drawing. The curvature of the shelf should conform with a 12" record.
3. After push-off slides have been adjusted, try a stack of both 10 and 12 inch records to determine the ease of separation. A compromise from the setting may be necessary due to differences in length of the 10 inch support shelf (4).



Adjustment of Push-Off Slides

1. Trip the mechanism and turn the turntable by hand until the cycling carriage has rotated counterclockwise, (Viewed from the bottom) to its limit.
2. Adjust screw 57 on push rod actuating lever until the 12 inch push-off slide is extending approximately $1\frac{1}{16}$ " over the edge of the shelf.
3. Turn lock nut to hold screw and try a stack of 10 and 12 inch records for ease in separation.

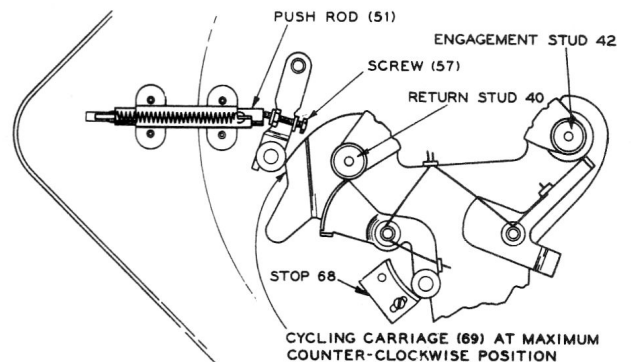
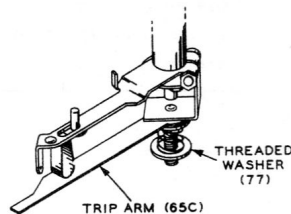


Adjust lock out lever stop (68)

The lock out lever stop (68) should be so adjusted that the cycling carriage return stud (40) raises an instant before the spiral engagement stud (42) is pushed down. If this timing is not properly made the mechanism will jam.

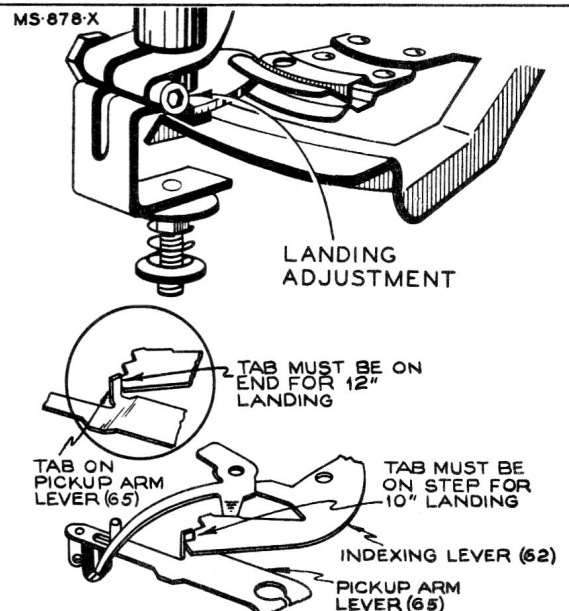
Adjustment of friction clutch on trip arm

1. Turn the threaded washer on the pickup arm lever to produce sufficient friction for trip arm so the mechanism will have positive tripping. Care must be exercised against excessive friction as it would cause premature wear on the side walls of the record or in many cases, actually jump the grooves.



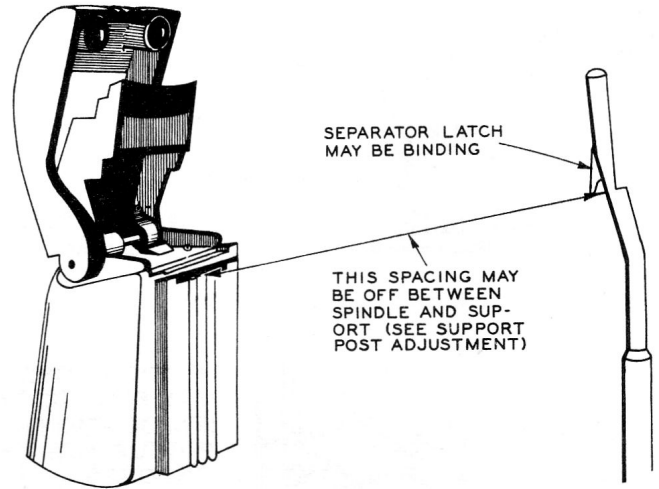
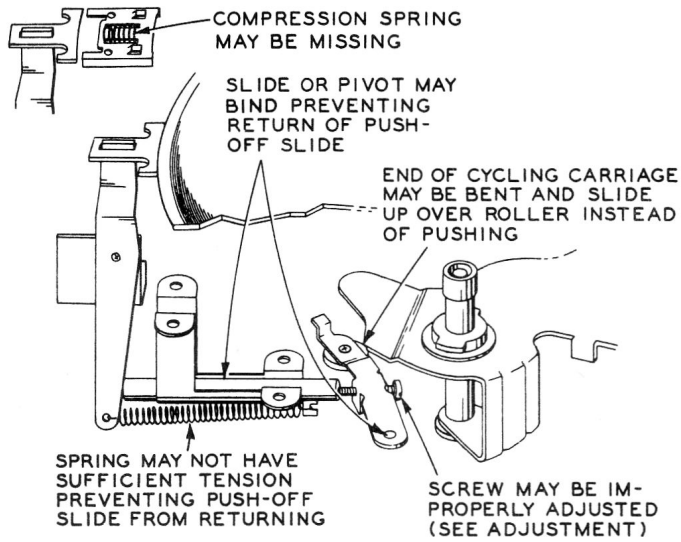
Pickup Landing Adjustment

1. Disconnect power from mechanism.
2. Place a 10" record on turntable.
3. Turn the operating control to reject and release.
4. Rotate the turntable by hand until the tab on the pickup arm lever (65) is about ready to move away from the indexing lever. (The pickup will be a few inches above the record at this moment).
5. Loosen adjustment screw and hold the pickup arm lever in this position while moving the pickup arm directly above the point of landing. (Landing should be about half way between the edge of the record and the start of the recorded section. Approximately $4\frac{11}{16}$ " from the side of the center post for a 10" record).
6. Tighten adjustment screw, apply power and check the pickup landing on both 10 and 12 inch records. If mechanism fails to land properly on 12" records the tab may be bent. In that case bend slightly.



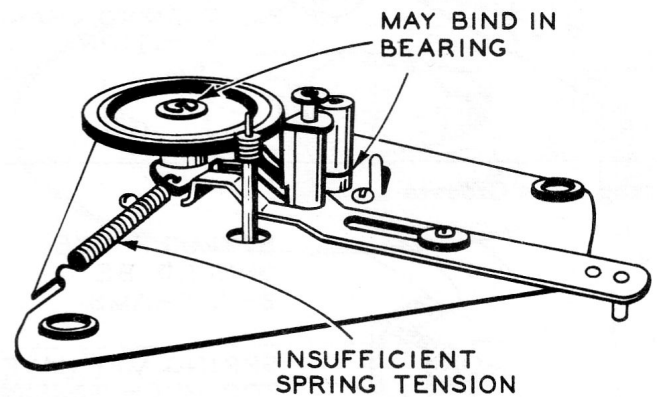
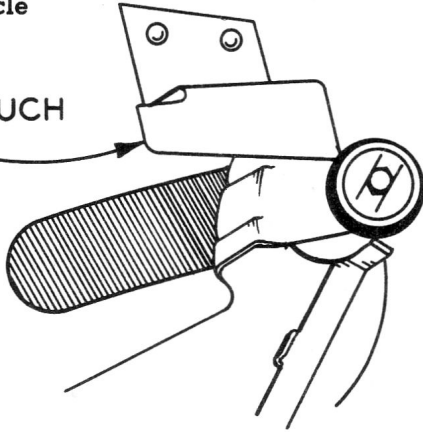
SERVICE HINTS

Fails To Separate Records Properly



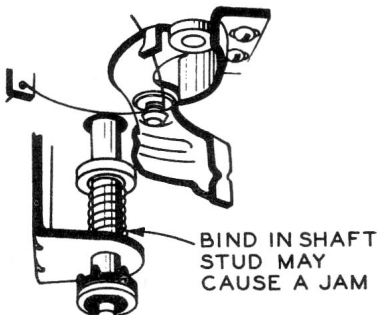
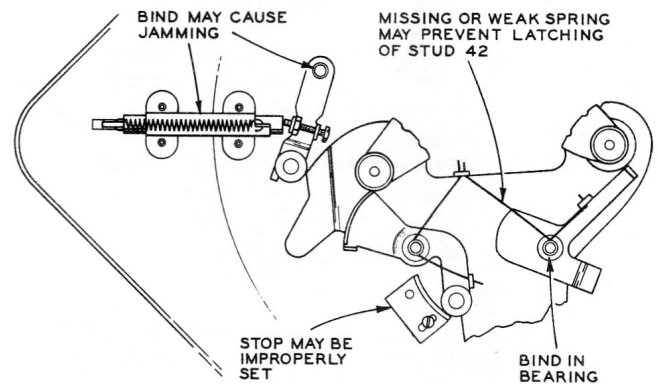
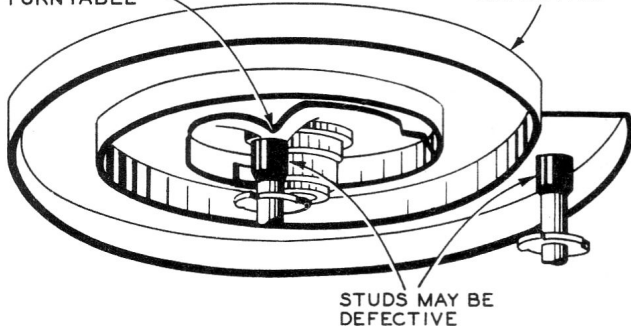
Fails To Complete Cycle

SPRING MAY HAVE TOO MUCH TENSION

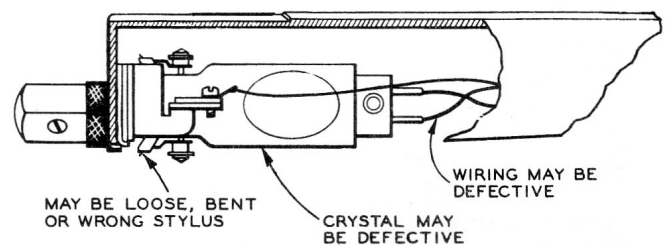


FAILURE IN THE LATCHING OF THE STUDS MAY BE CAUSED BY SHALLOW INCLINE OR IMPROPERLY SEATED TURNABLE

SPIRAL MAY BE DEFECTIVE

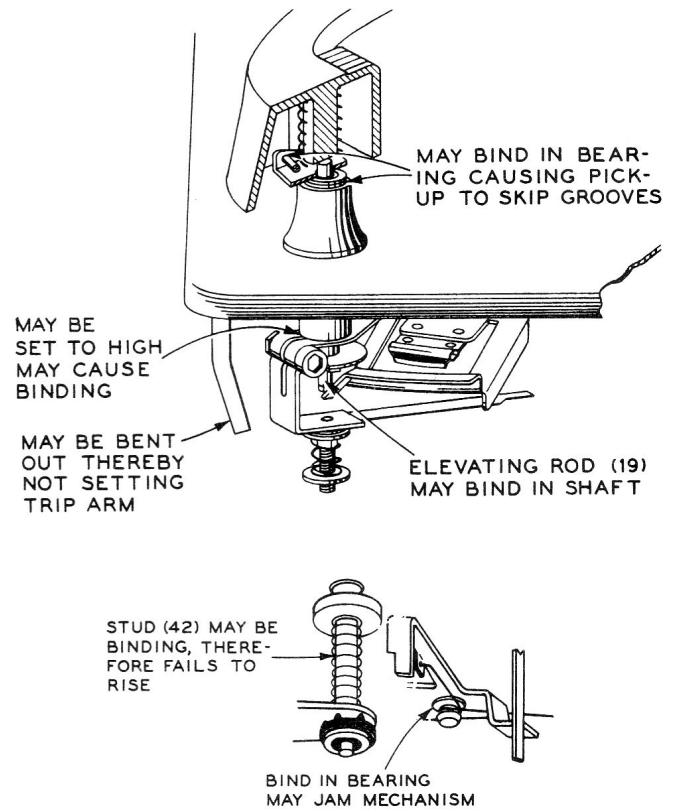
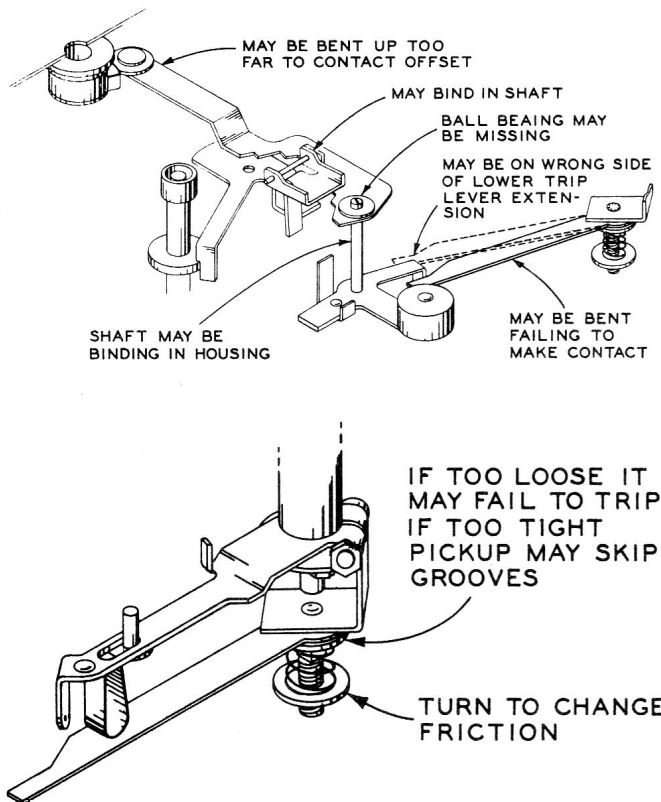


Weak—Distorted or No Output

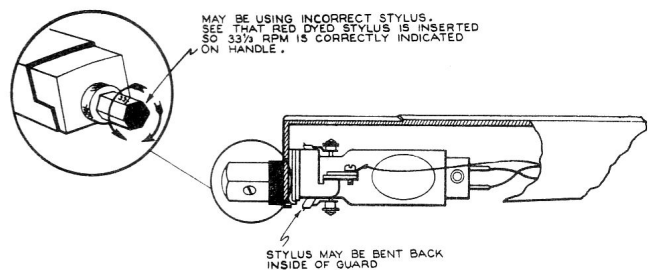
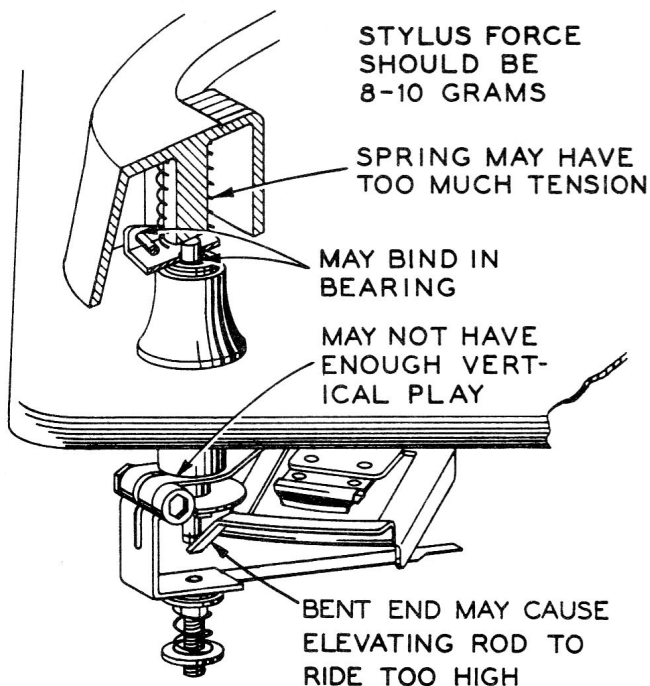


Fails to Trip

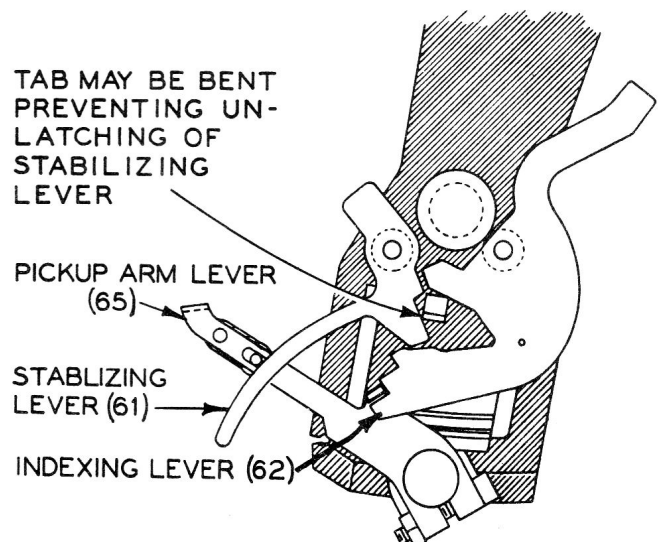
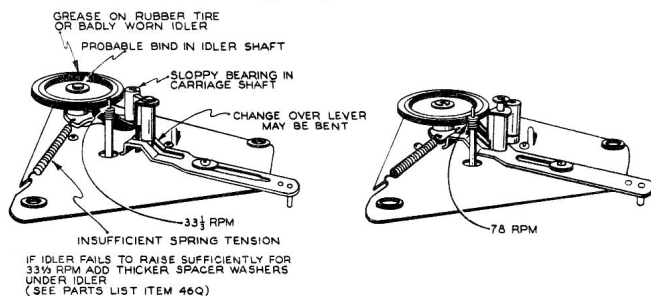
SERVICE HINTS (Continued)



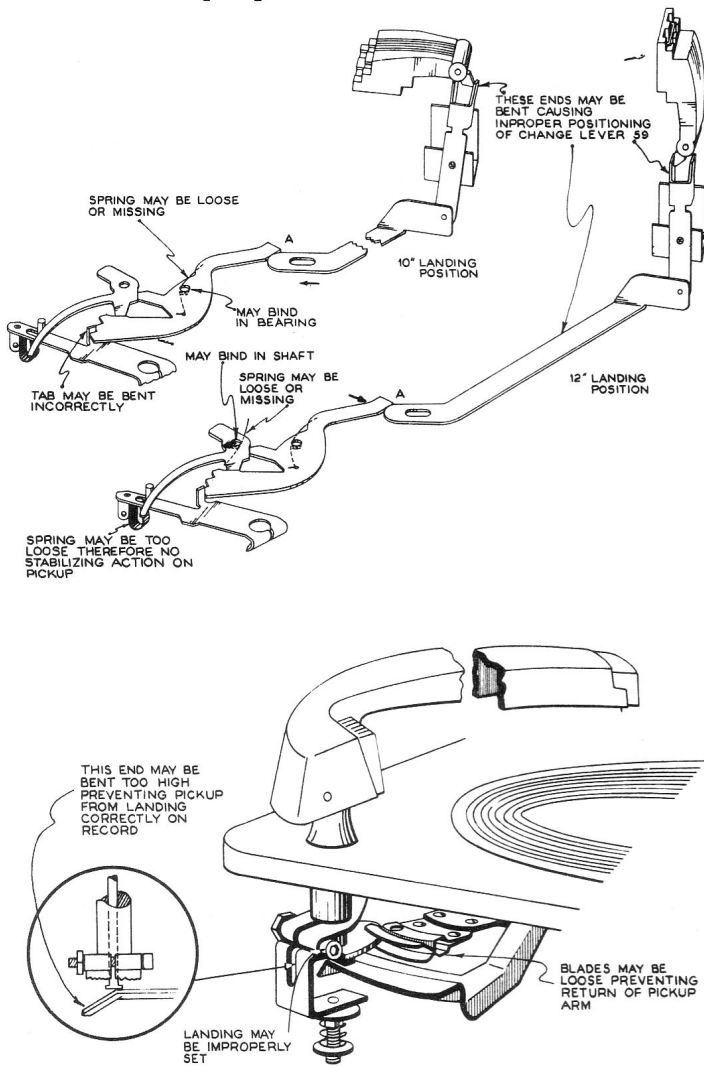
Pickup Skips Grooves



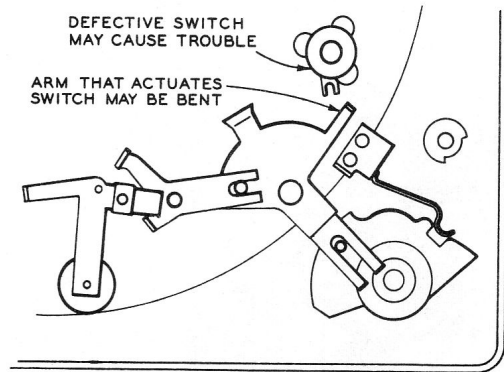
Turntable Fails To Change Speed or "Wow"



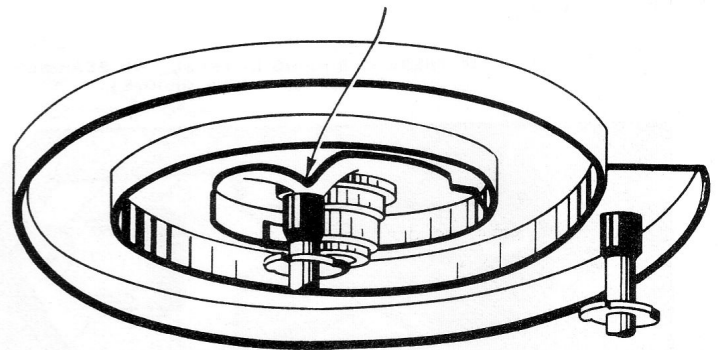
Fails To Land Properly



Turntable Fails To Rotate

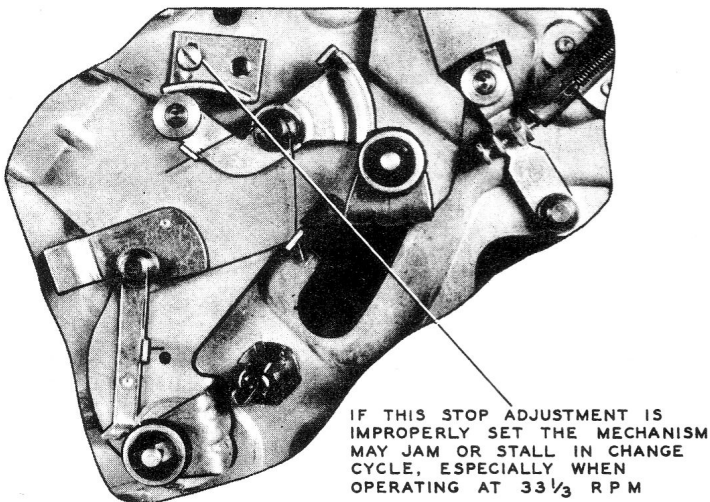


INCLINE IN SPIRAL MAY BE TOO SHALLOW THEREBY FAILING TO PUSH STUDS DOWN FAR ENOUGH CAUSING A JAM.
(BEND INCLINE AWAY FROM TURNTABLE SLIGHTLY)

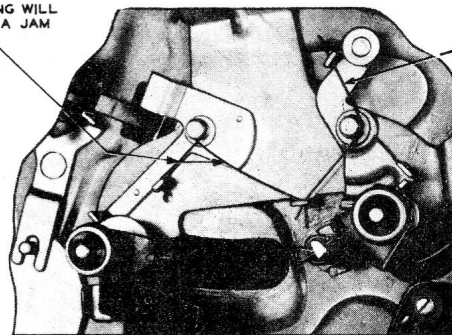


DO YOU KNOW?

(Jam)

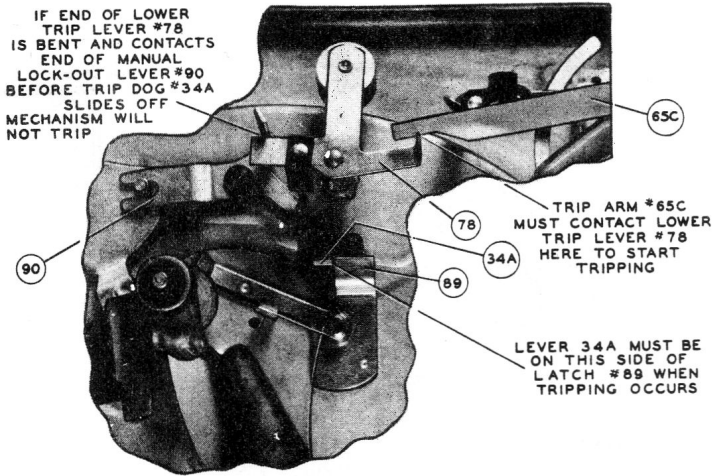


THIS SPRING IS # 92 AND IF MISSING WILL CAUSE A JAM

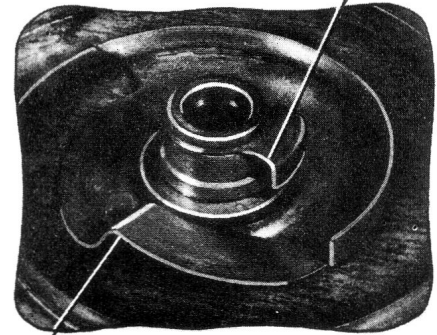


DO YOU KNOW?

(Tripping)

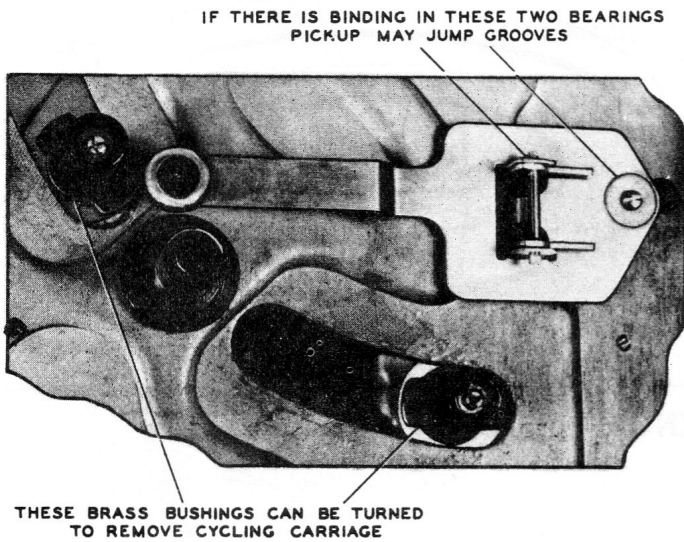


THIS OFFSET ACTUALLY TRIPS THE MECHANISM



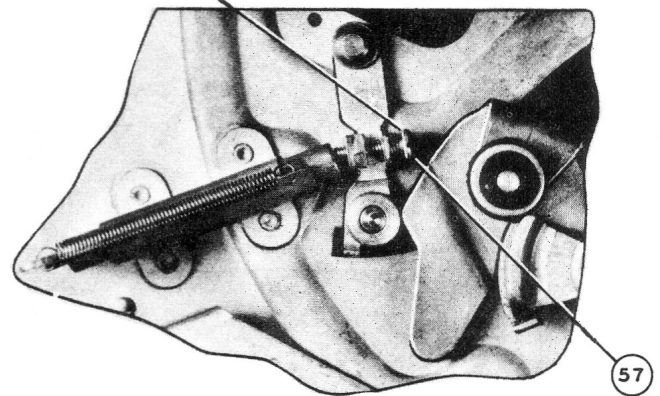
THIS INCLINE PUSHES STUDS #40 & 42 DOWN DURING CHANGE CYCLE

(Jumping grooves)

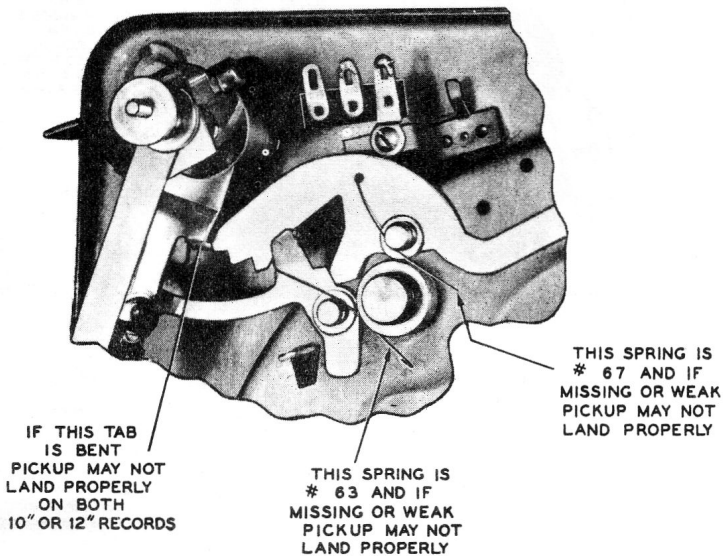


(Record separation)

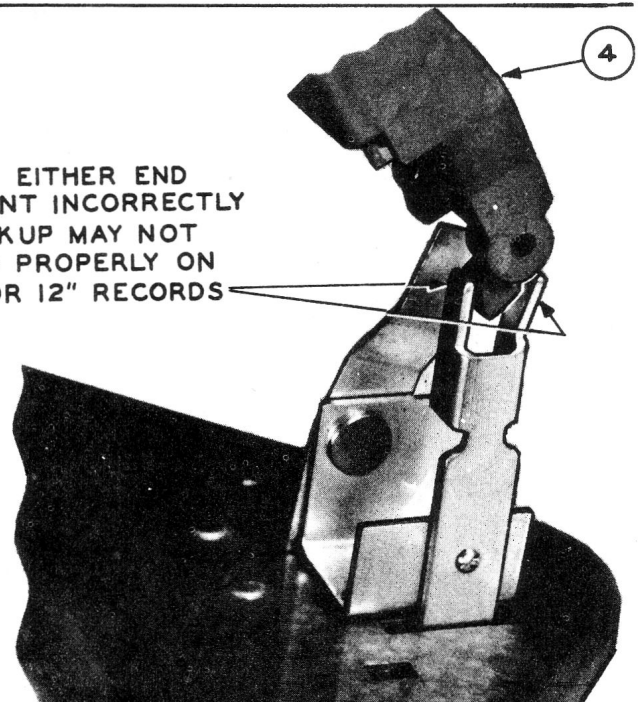
RECORDS WILL NOT SEPARATE PROPERLY IF THIS ADJUSTMENT IS NOT CORRECT. SEE PUSH-OFF SLIDE ADJUSTMENT (PAGE 8)



(Pickup landing)



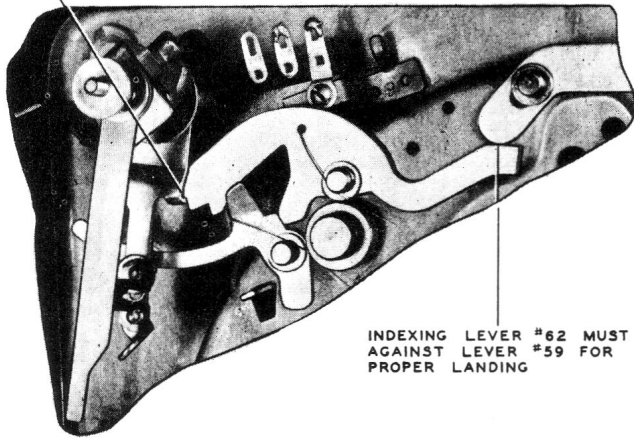
IF EITHER END IS BENT INCORRECTLY PICKUP MAY NOT LAND PROPERLY ON 10" OR 12" RECORDS



(Pickup landing)

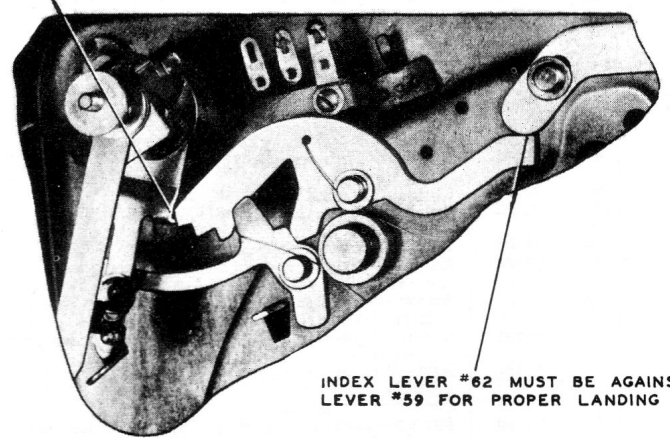
DO YOU KNOW?

THIS TAB MUST MAKE CONTACT IN SECOND STEP AS SHOWN FOR PICKUP TO LAND PROPERLY ON 10" RECORDS

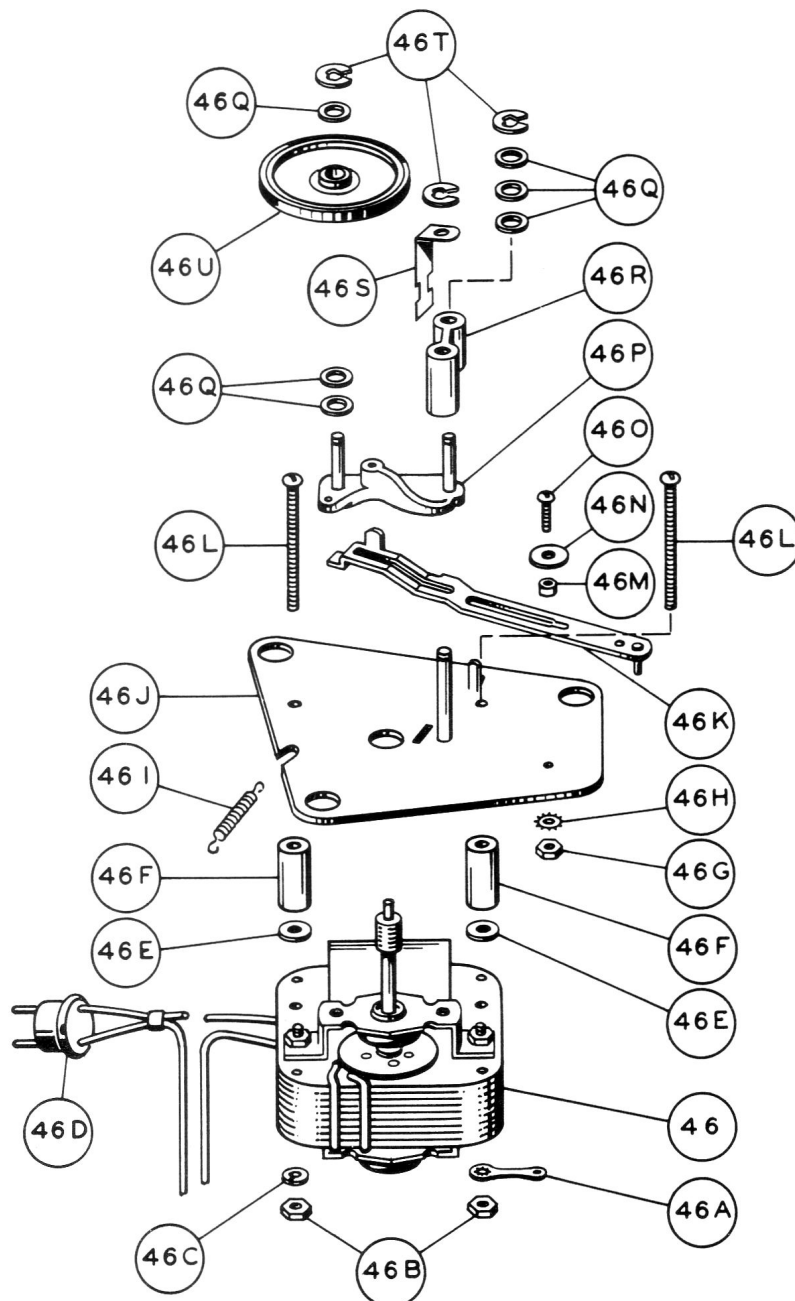


INDEXING LEVER #62 MUST BE AGAINST LEVER #59 FOR PROPER LANDING

THIS TAB MUST MAKE CONTACT ON TOP EDGE AS SHOWN FOR PICKUP TO LAND PROPERLY ON 12" RECORDS



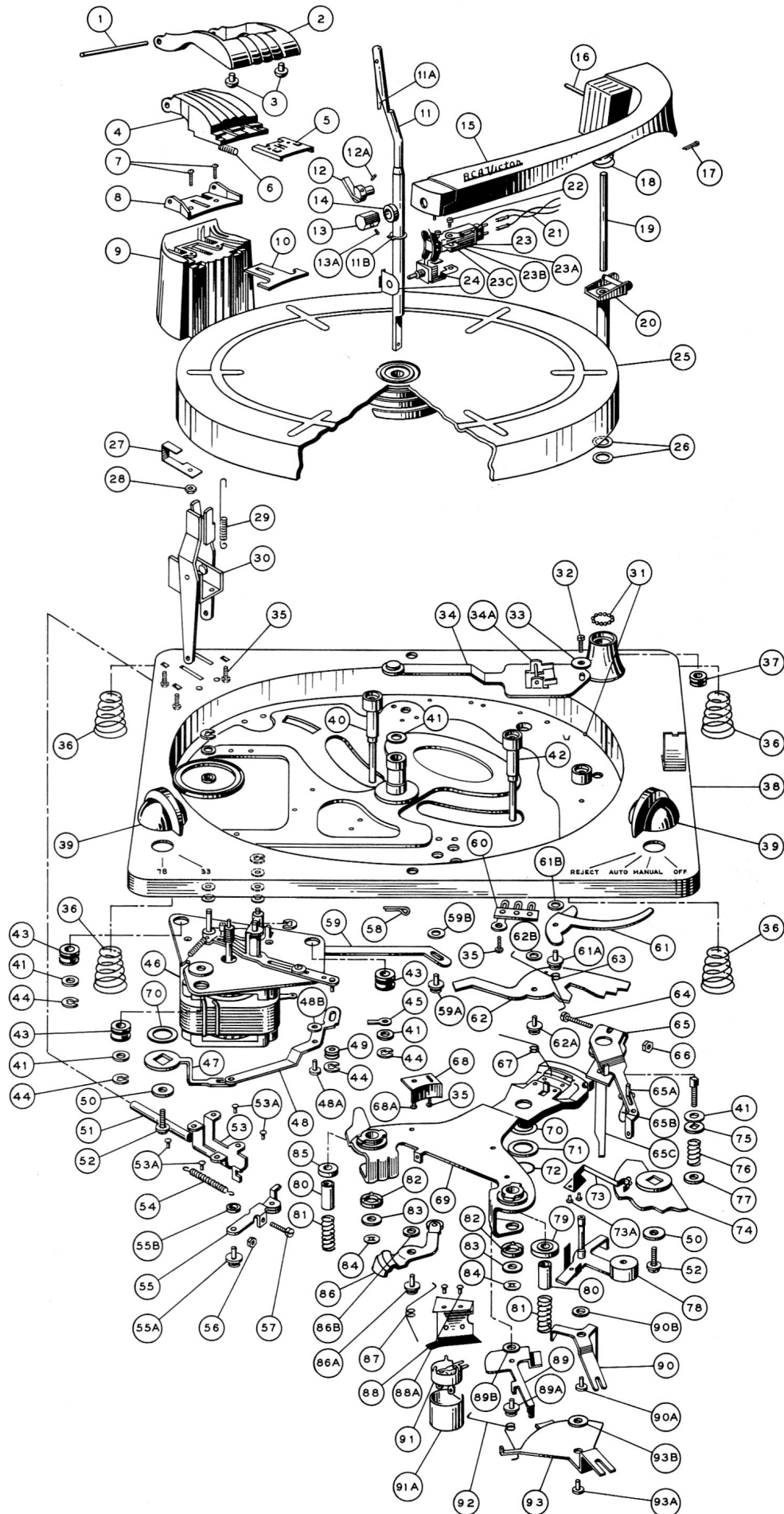
INDEX LEVER #62 MUST BE AGAINST LEVER #59 FOR PROPER LANDING



Exploded view of 60 cycle motor for RP-200 (960282-1)

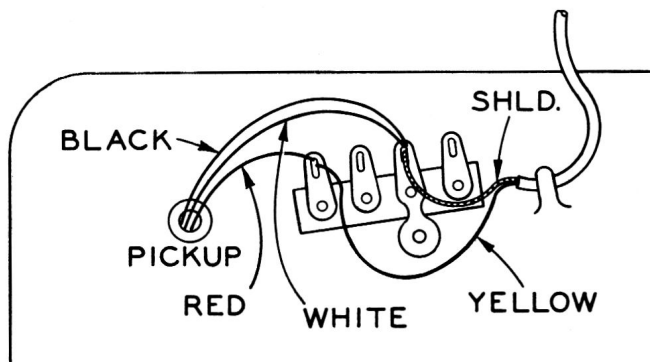
ILL. No.	STOCK No.	DESCRIPTION	ILL. No.	STOCK No.	DESCRIPTION
1	75254	Pin—Push-off box hinge pin	46M	75294	Spacer—Metal spacer to mount idler riser slide
2	75255	Clamp—Stabilizing clamp assembly (includes rubber bumpers)	46N	—	Washer—Flat washer to mount idler riser slide
3	75256	Bumper—Rubber bumper for stabilizing clamp (2 req'd) (2 included)	46O	—	Screw—Screw to mount idler riser slide (#4-40 x 3/8" round head steel machine screw)
4	75257	Support—10" record support	46P	75295	Carriage—Idler carriage
5	75258	Slide—10" record push-off slide	46Q	75296	Washer—Fibre dampening washer .010 thick
6	75259	Spring—Return spring for 10" push-off slide (.250" O.D. x 9/16"—5 turns)	46R	75436	Washer—Fibre dampening washer .020 thick
7	—	Screw—#4-40 x 3/8" round head steel machine screw	46S	75297	Link—Idler pivot link
8	75260	Cover—12" record push-off slide cover	46T	75298	Guide—Idler riser slide guide
9	75261	Support—Main support (casting) for push-off mechanism	46U	75287	Washer—"C" washer to mount idler carriage and idler wheel
10	75262	Slide—12" record push-off slide	46V	75300	Wheel—Idler wheel
11	75263	Spindle—Turntable spindle or centerpost (includes ILL.11A)	47	75301	Arm—Speed selector arm
11B	75303	Ring—Turntable retainer ring	48	75302	Lever—Speed selector lever complete with mounting pivot stud and washer
12	75264	Knob—Cartridge control knob complete with set screw	—	—	SEE PAGE 17 FOR LEVER USED ON EXPORT INSTRUMENTS
12A	—	Screw—Screw for handle type stylus selector knob (included with ILL.12)	49	75282	Grommet—Rubber grommet used in speed change assembly
14	75265	Collar—Threaded collar for crystal mounting assembly	50	75304	Washer—Spacer washer (small) for speed selector arm (.059" x .190" I.D. x 5/8" O.D.)
15	75266	Arm—Pickup arm shell complete with fibre guide	51	75305	Rod—Push rod
16	75267	Pin—Pivot arm pin	52	75306	Screw—Mounting screw complete with lockwasher for control knobs (10-32 x 3/8" fillister head-special)
17	75268	Spring—Retaining spring (hair-pin) for pivot arm pin	53	75307	Housing—Push rod housing complete with four (4) rivets
18	75269	Spring—Counterbalance spring (17/32" O.D. x 2-13/16" long—25 turns)	54	75308	Spring—Tension spring for push rod
19	75270	Rod—Elevating rod	55	75309	Lever—Push rod actuating lever complete with mounting pivot stud and washer (includes Ill. 56 and 57)
20	75271	Arm—Pivot arm and shaft	56	—	Nut—#6 hex nut for push rod travel adjusting screw (includes 75309, Ill. 55)
21	75272	Cable—Three wire pickup cable (12") complete with connectors	57	—	Screw—Adjusting screw for push rod travel (#6-32 x 5/8" fillister head screw) (included in 75309, Ill. 55)
22	—	Screw—Mounting screw for crystal cartridge (2 req'd) (4140 x 1/8" fillister head screw)	58	75310	Pin—Cotter pin for turntable spindle or centerpost
23	75044	Crystal—Replacement crystal complete with styluses	59	75311	Lever—Pickup arm landing change lever complete with mounting pivot stud and washer
—	—	SEE PAGE 17 FOR EXPORT PICKUP CARTRIDGE	60	—	Board—Terminal board (3 contact)
23A	75045	Stylus—Stylus (red) only for 33-1/3 RPM section	61	75312	Lever—Pickup arm stabilizing lever complete with mounting pivot stud and washer
23B	75046	Stylus—Stylus (plain) only for 78 RPM section	62	75313	Lever—Pickup arm indexing lever complete with mounting pivot stud and washer
23C	75274	Nut—Mounting nut (knurled) for stylus	63	75314	Spring—Tension spring for stabilizing lever
24	75273	Mount—Crystal cartridge mount assembly (2 piece assembly)	64	75315	Screw—Screw to mount pickup arm lever (10-32" x 1" socket head cap screw)
25	75275	Turntable—10" dia.	65	75316	Lever—Pickup arm lever including trip arm, engagement stud and tension spring
26	75276	Washer—Spacing washer (2 req'd) (.008 x 13/32" I.D. x 9/16" I.D.—Phosphor Bronze)	66	—	Nut—#10 hex nut for pickup arm lever mounting screw
27	75277	Spring—Pressure spring for 10" record support	67	75317	Spring—Tension spring for indexing lever (2 turns)
28	—	Nut—4-40 hex nut	68	75318	Stop—Lockout lever stop complete with mounting rivet
29	75278	Spring—Tension spring for stabilizing clamp (.216" O.D. x 1 7/8"—20 turns)	69	75319	Carriage—Cycling carriage
30	75279	Lever—Push-off slide actuating lever assembly	70	75320	Washer—Mounting washer (thin) for cycling carriage
31	3658	Ball—Steel ball (3/32" dia.)	71	75321	Washer—Mounting washer (thick) for cycling carriage
32	—	Screw—#4-40 x 1/4" fillister head screw	72	75322	Washer—Mounting washer (split) for cycling carriage
33	75280	Washer—Steel washer (.031" x .125" x 1/2")	73	75323	Spring—Lock spring for detent complete with (2) rivets
34	75281	Lever—Trip lever assembly including trip dog, ILL. 34A	74	75324	Detent—Operating control detent
35	28360	Screw—Screw to mount main support (3 req'd) (#6-32 x 3/8" thread cutting)	75	75325	Washer—Friction washer (square-hole) for trip arm (.060" x .189" square I.D. x 5/8" O.D.)
36	75040	Spring—Conical spring to mount record changer (4 req'd)	76	75326	Spring—Friction adjustment spring for trip arm (.360" O.D. x 33/64"—5 1/2 turns)
37	75282	Grommet—Rubber grommet for pickup cable exit	77	75327	Washer—Threaded washer for adjusting trip arm friction (.0673 x .159" I.D. x 5/8" O.D.—.159" I.D. hole tapped #10-32)
38	—	Board—Motorboard complete with all riveted, staked and welded parts	78	75328	Lever—Lower trip lever
39	75283	Knob—Control knob	79	75329	Washer—Shouldered washer for cycling carriage engagement stud for Ill. 42
40	75284	Stud—Cycling carriage return stud including shaft, washer and cambric roller	80	75330	Spacer—Metal spacer for cycling carriage studs
41	75285	Washer—Friction spring washer for turntable and motor mounting. (.250" x .281" I.D. x .450" O.D.)	81	75331	Spring—Tension spring for cam roller (.379" O.D. x 1-1/32"—7 turns)
42	75284	Stud—Cycling carriage engagement stud including shaft, washer and cambric roller	82	75332	Grommet—Rubber grommet for cycling carriage studs
43	75286	Grommet—Rubber grommet to mount motor (3 req'd)	83	75304	Washer—Stop washer for cam studs (.059" x .190" I.D. x 5/8" I.D.)
44	75287	Washer—"C" washer to mount motor (3 req'd)	84	75334	Nut—Speed nut for cycling carriage studs
45	—	Lug—Terminal lug	85	75335	Washer—Engagement washer for cycling carriage return stud
46	75288	Motor—117 volt, 60 cycle	86	75336	Lever—Lockout lever complete with mounting pivot stud and washer
46A	S-5812	Motor 117 volt, 25 cycle	87	75337	Spring—Tension spring for lockout lever (2 turns)
46B	—	Lug—Terminal lug	88	75338	Spring—Friction stabilizing spring for cycling carriage complete with two (2) rivets
46C	—	Nut—#6-32 hex nut to mount top plate (2 req'd)	89	75339	Latch—Trip latch complete with mounting pivot stud and washer
46D	30870	Lockwasher—#6 lockwasher (split) to mount top plate	90	75340	Lever—Manual lockout lever complete with mounting pivot stud and washer
46E	—	Connector—2 contact male connector for motor leads	91	75341	Switch—Power switch complete with cover
46F	75290	Washer—Flat washer for under metal spacer (2 req'd)	92	75342	Spring—Trip latch tension spring—2 turns
46G	—	Spacer—Metal spacer for motor mounting (2 req'd)	93	75343	Cam—Operating control cam complete with mounting pivot stud and washer
46H	—	Nut—#4 hex nut to mount idler riser slide			
46I	75291	Lockwasher—#4 (external) lockwasher to mount idler riser slide			
46J	75292	Spring—Tension spring for idler carriage			
46K	75293	Plate—Motor top plate including stud for idler pivot link			
46L	—	Slide—Idler riser slide			
46L	—	Screw—#6-32 x 1 3/4" round head brass machine screw to mount top plate (2 req'd)			

REFER TO REPLACEMENT PARTS PRICE LIST FOR PRICES



Exploded view of RP-200 (960282-1)

PICKUP INFORMATION



Pickup lead connections to motor board terminal strip.

