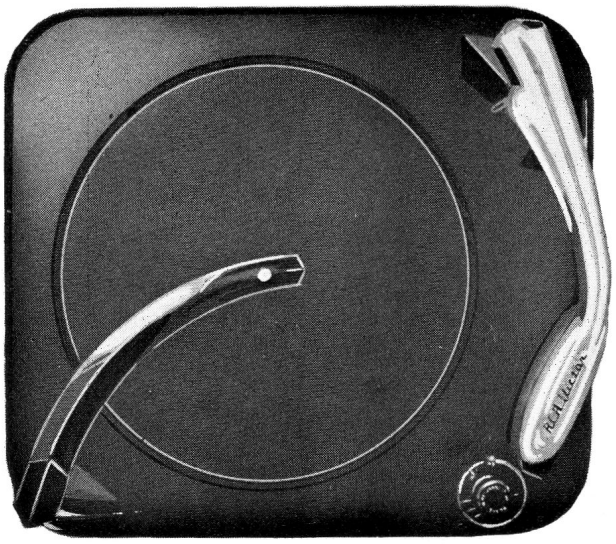

RCA VICTOR

"HIS MASTER'S VOICE"

RECORD CHANGER

MODEL RP-201

(960284-1-2)

SERVICE DATA

—1950 No. 17—

GENERAL SERVICE DIVISION
RCA VICTOR COMPANY LIMITED
MONTREAL, QUE.

SPECIFICATIONS

Turntable speed	78-33⅓ rpm
Record used	10" or 12" (intermixed)
Record capacity	Ten twelve-inch
	Twelve ten-inch
	Ten intermixed
Pickup force	Eight to 10 grams
Stylus radius	.001 inch for 33⅓ rpm
	.003 inch for 78 rpm
Type pickup	Crystal
Power supply	105-125 volts, 60 cycles A-C

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FEATURES

1. This record changer is a center support intermix mechanism designed to play automatically a series of records up to ten 12-inch, twelve 10-inch, or ten intermixed records of the standard 78 RPM type. It will also play a series of the long playing 33-1/3 RPM type of similar diameter.
2. The mechanism is equipped with a light weight dual stylus pickup cartridge. The proper stylus can be selected by turning a knob in the end of the pickup arm.

After the last selection of the stack has been played, the pickup arm will go to the rest position and the mechanism will stop automatically.

4. The automatic tripping device is of the acceleration type.
5. The speed change is accomplished by a single control mounted on the motorboard.

AUTOMATIC OPERATION

1. Lift and rotate the record support to one side.
2. Place a stack of records over the center post.
3. Rotate the record support to a position so the center post will extend through the hole in the end of the support.
4. Turn the speed control to select the proper speed.
5. Rotate the knob in the end of the pickup arm to the proper numeral corresponding to the turntable speed.
6. Turn the function control knob to reject and release. The mechanism will play one side of each record of the stack until the last selection has been played at which time it will stop automatically.
7. To reject a record being played, turn the function control knob to reject and release.
8. To remove records, lift and turn the record support to one side.
9. Lift the stack of records straight up.

MANUAL OPERATION

1. Lift and rotate the record support to one side.
2. Place the record to be played on the turntable (tilt slightly to slide over the step in the centerpost).
3. Set the speed and pickup cartridge controls properly.
4. Turn function control to reject and release.
5. After the pickup sits on the record, place the record support over the centerpost, permitting it to rest on the step in the centerpost.
6. The mechanism will play the record after which it will stop automatically.

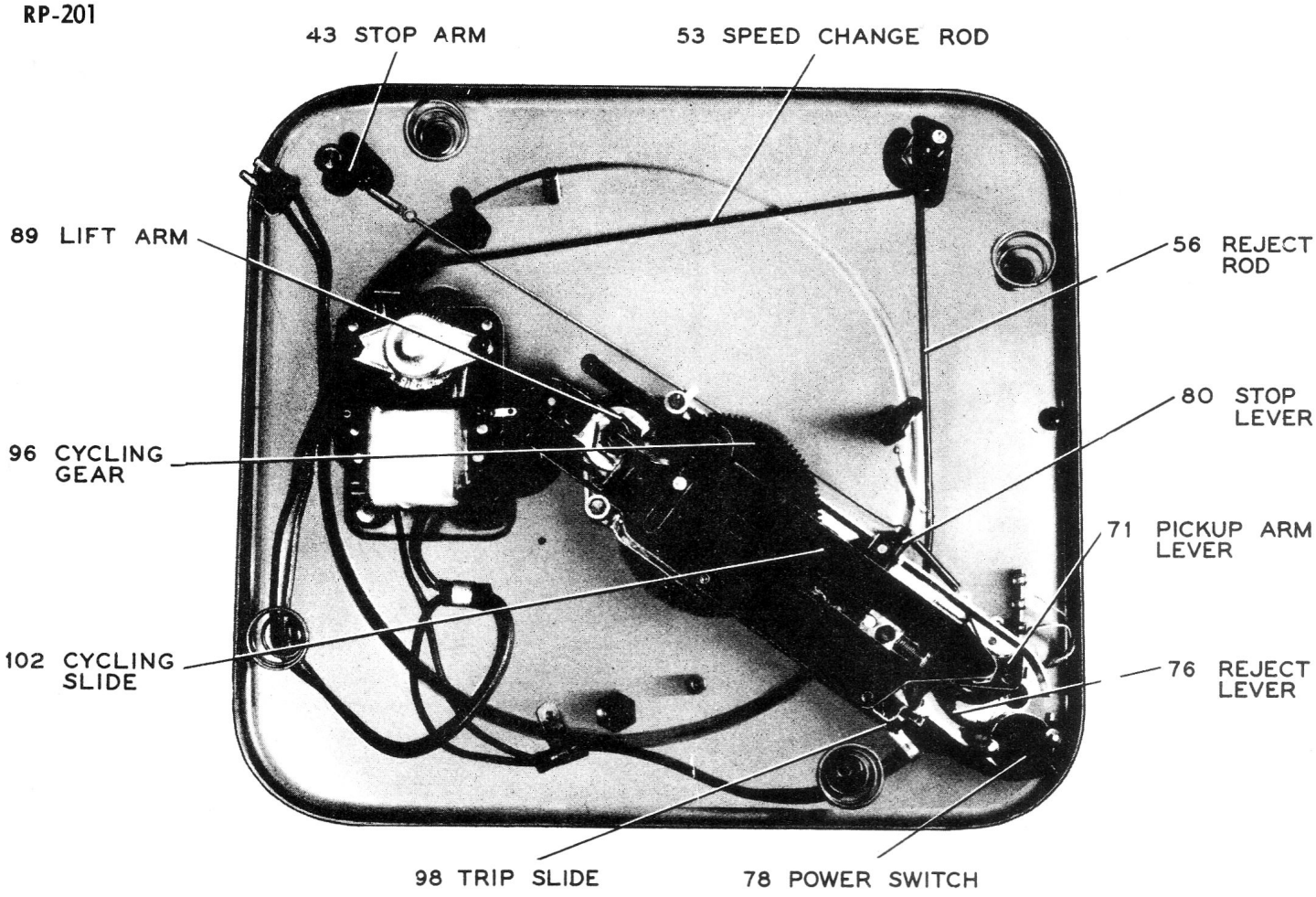


Fig. 1

FUNCTION OF PRINCIPAL LEVERS

See Fig. 1

Reject rod (56)

The function of the reject rod is to transfer the action from the control knob to the reject lever.

Trip slide (98)

The function of the trip slide is to transfer the movement of the pickup arm lever to the lower trip pawl. This action starts the change cycle.

Cycling gear (96)

The function of the cycling gears is to transfer the rotating motion of the turntable to the cycling mechanism.

Stop arm (43)

When the last record of the stack drops to the turntable, the record support arm drops. The lower end of the record support arm pivot actuates the stop lever thereby transferring the action for automatic stopping.

Lift arm (89)

The function of the lift arm is to transfer the movement of the cycling slide to the separator mechanism inside the centerpost.

Stop lever (80)

The function of the stop lever is to raise the trip slide and form a stop for pickup arm return lever. This results in the mechanism stopping automatically.

Cycling slide (102)

The function of the cycling slide is to transfer the action from the cycling gear to the other levers.

See Figs. 1 and 4

Pickup arm lever (71)

The function of the pickup arm lever is to transfer movement of the pickup arm to levers located beneath the motorboard. Other levers beneath the motorboard also counter react through the pickup arm lever thereby directing the movement of the pickup arm.

Reject lever (76)

The function of the reject lever is to actuate the power switch and trip slide.

See Fig. 2

Twelve-inch indexing lever (61)

After the completion of each change cycle of the mechanism, the pickup arm automatically is indexed for ten-inch records unless a twelve-inch record has dropped to the turntable. As a twelve-inch record drops to the turntable, it moves the twelve-inch indexing lever thereby directing the position of the selector lever.

See Fig. 3

Trip pawl (upper) (94)

The upper trip pawl functions as an actuating device for the cycling engagement pawl.

Cycling engagement pawl (96A)

The function of the cycling engagement pawl is to engage the off-set in the turntable shaft thereby starting change cycle.

See Fig. 4

Pickup arm return lever (68)

The function of the pickup arm return lever is to provide the force necessary to move the pickup into landing position.

Selector lever (83)

The function of the selector lever is to form a stop for the pickup arm return lever. The position of selector lever (up or down) determines whether the pickup lands on ten- or twelve-inch records.

Trip pawl (lower) (97)

The lower trip pawl transfers the action of the trip slide from the lower to the upper side of the cycling gear.

(See Exploded View—Fig. 6)

Record support (overarm) (1)

The function of the record support is to stabilize and hold the records in a horizontal plane which is parallel to the motorboard. After the last record of the stack drops to the turntable, the pivot of the record support drops down and actuates the automatic stopping device.

Center post (34)

The function of the center post is to support the stack of records. It also houses the separating mechanism.

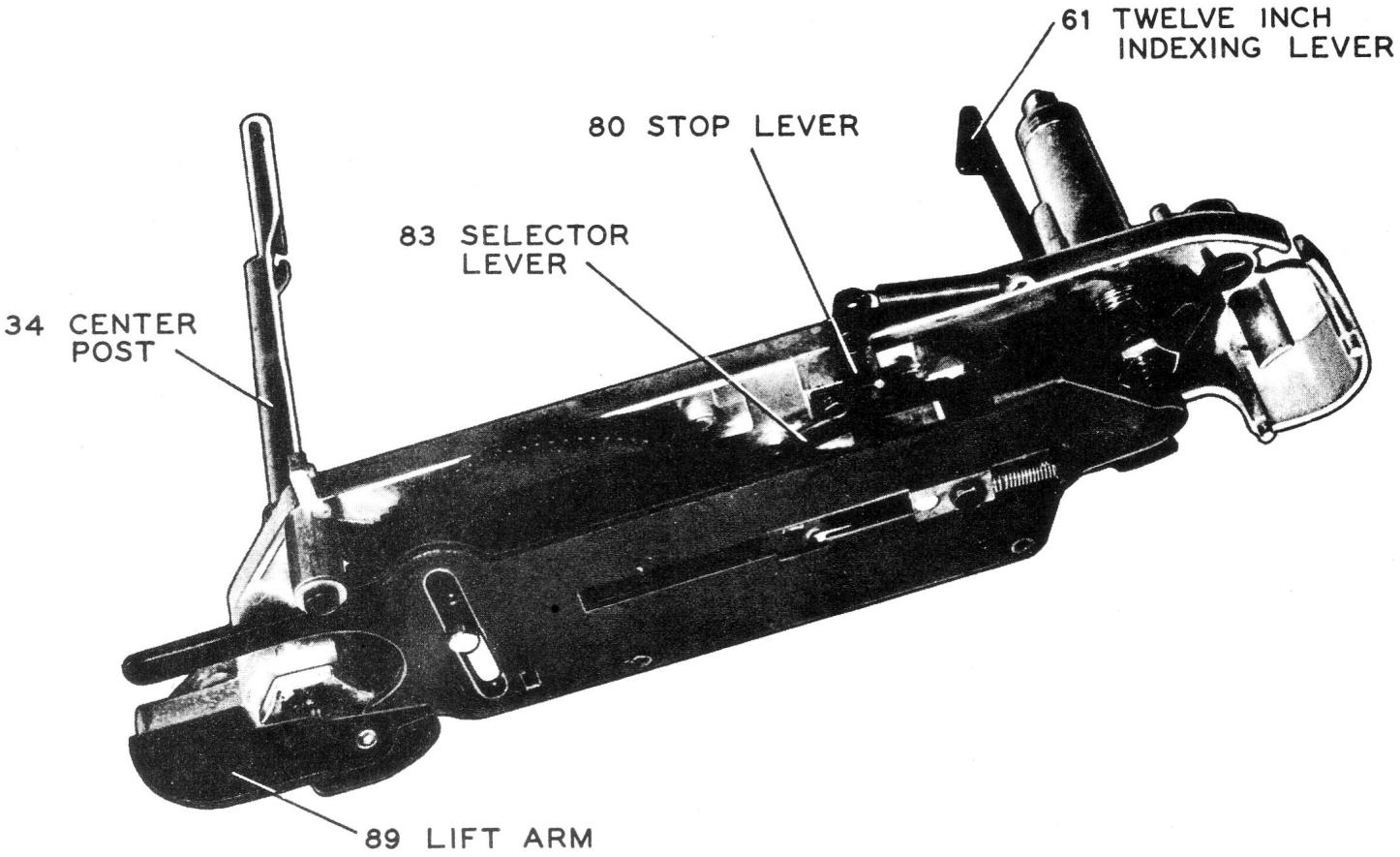


Fig. 2

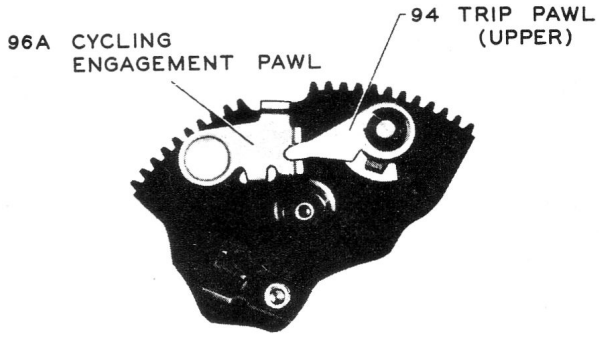


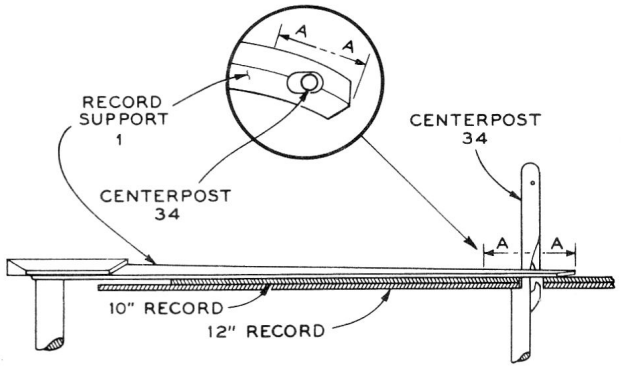
Fig. 3

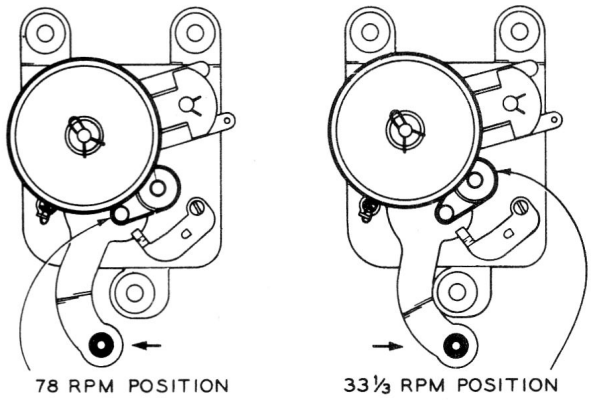
Fig. 4

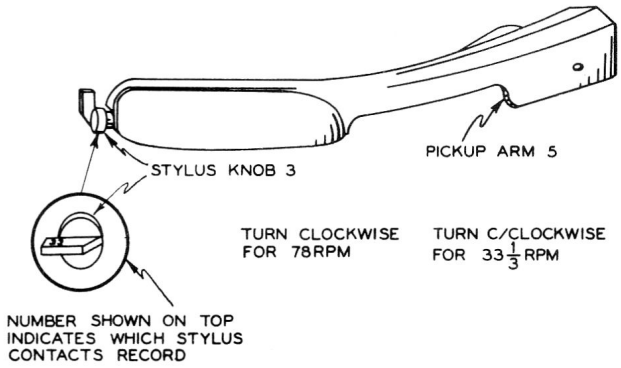
CYCLE OF OPERATION

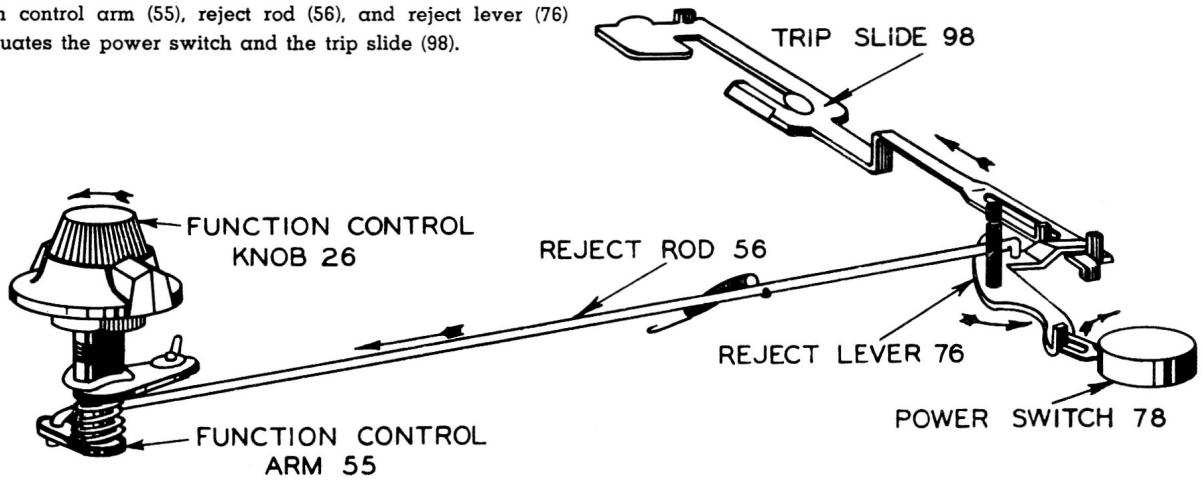
NOTE: In the cycle of operation it is assumed the mechanism has stopped automatically (out of cycle) with the pickup arm on the rest.

Function	Description
Place a stack of records over the center post (intermixed if so desired). Place the record support over the center post.	1. The stack of records rests on the step in the centerpost (34). 2. The hole in the end of the record support (1) permits the end of the support to slide over the center post and rest on the stack of records.
Turn the speed selector knob to 78 or 33-1/3 rpm position.	1. The speed change is accomplished by shifting to either of two shafts on the motor assembly which are rotating at different speeds. The additional shaft is connected by a small rubber belt.
Rotate the knobs to select the proper stylus.	1. The rotation of the stylus knob (3) selects the proper stylus depending on the type of record to be played.
Rotate function control knob to reject position and release.	1. The function control knob, through the linkage of the function control arm (55), reject rod (56), and reject lever (76) actuates the power switch and the trip slide (98).



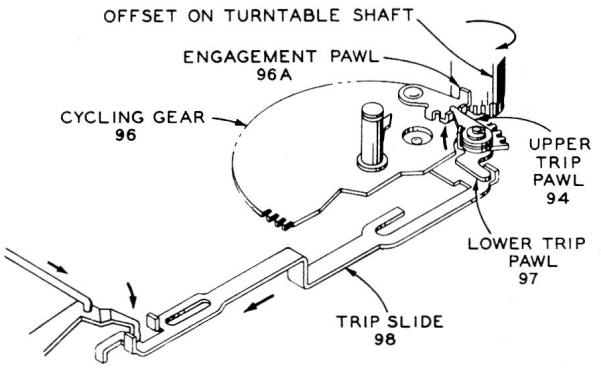






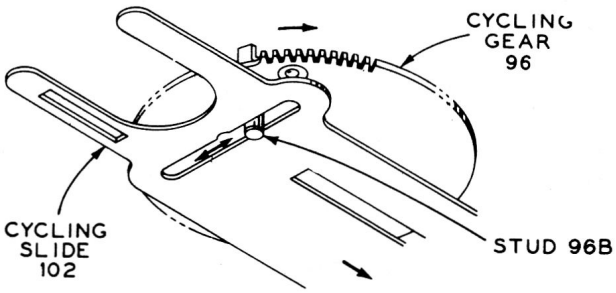
Cycling starts.

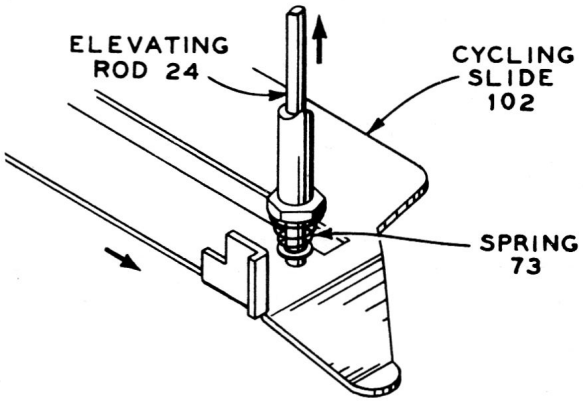
1. The closing of the power switch starts the turntable rotating.
2. The trip slide (98) in its movement contacts the lower trip pawl (97) and moves both the lower and the upper trip pawls which are tied together. The movement of the upper trip pawl (94) actuates the cycling engagement pawl (96A) sufficiently to cause engagement with the off-set on the rotating turntable shaft.
3. The contact between the cycling engagement pawl (96A) and the off-set on the turntable shaft gives the necessary push for the teeth in the cycling gear (96) to engage the teeth in the shaft of the turntable thereby starting change cycle.

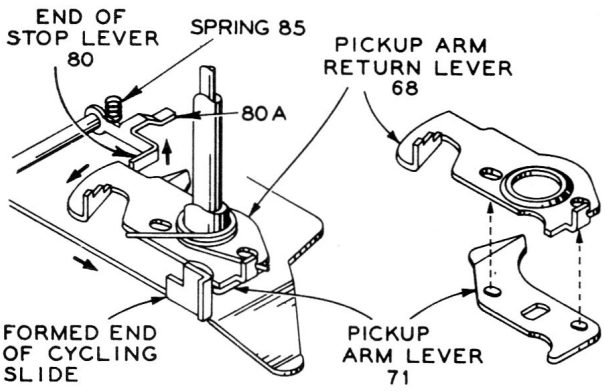


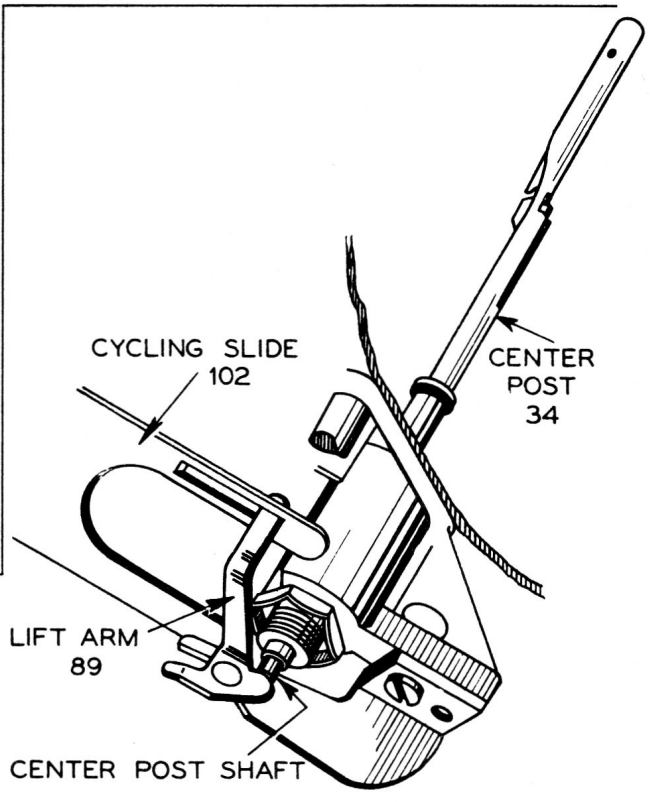
Pickup rises and remains outside turntable area.

1. As the cycling gear rotates, the stud (96B) mounted on the underside of the gear, rides inside a slot cut in the cycling slide (102).
2. The rotation of the cycling gear pushes the cycling slide back and forth.
3. As the slide moves away from the center post, an incline formed on the end of the slide causes the elevating rod (24) to raise and lift the pickup arm.
4. At the same time the elevating rod is pushed upward, the pickup arm lever (71) is also carried along from the force transferred through the spring (73). The raising of the pickup arm lever causes the two dimples formed in the pickup arm lever to engage the two holes in the pickup arm return lever (68) and couple them together. This stabilizes and directs the movement of the pickup arm during change cycle.
5. The cycling slide continues to move away from the center post until the formed end of the slide pushes against the pickup arm return lever. This relieves the force of pickup arm return lever against stop lever (80). This permits the stop lever return spring (85) to expand and return the stop lever to normal position.
6. The end (80A) of stop lever (80) pushes trip slide back ready for the next change cycle.





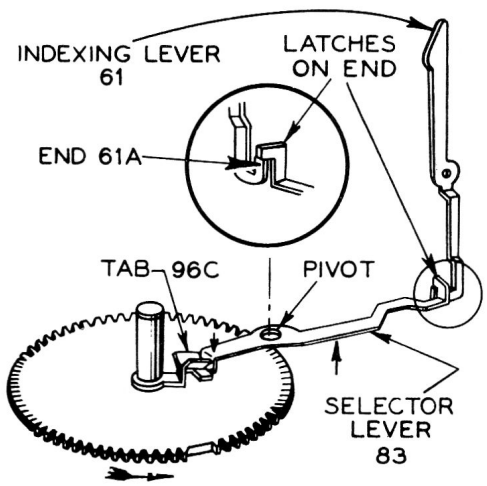




Record drops to turntable.

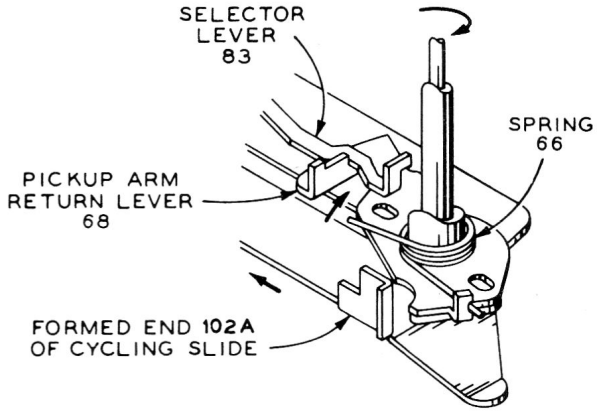
1. Further movement of the cycling slide causes the slot in the end of the cycling slide to actuate the lift arm (89).
2. The lift arm pushes up on the shaft extending from the bottom end of the center post. This shaft actuates the push off mechanism inside the center post, and the record drops to the turntable.

3. At this time the tab (96C) on cycling gear pushes down on one end of the selector lever (83) (which is pivoted in the center) thereby raising the other end causing it to latch on the edge (61A) of the twelve-inch indexing lever (61).



The pickup moves in for landing.

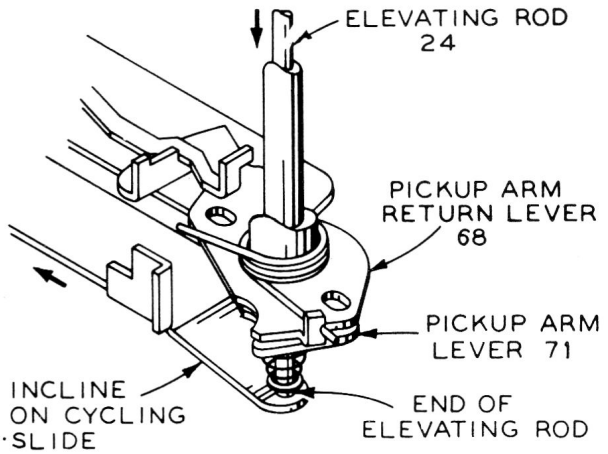
1. As the cycling slide returns, the formed edge (102A) on the slide moves back permitting the pickup arm return lever spring (66) to expand. This causes the pickup arm return lever (68) to move the pickup inward until the pickup arm return lever comes against the selector lever (83). The pickup is now directly above the point of landing.

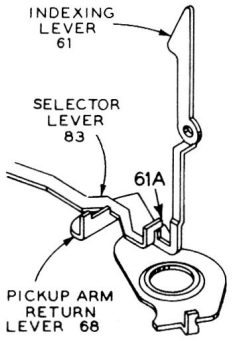


Pickup sits on record.

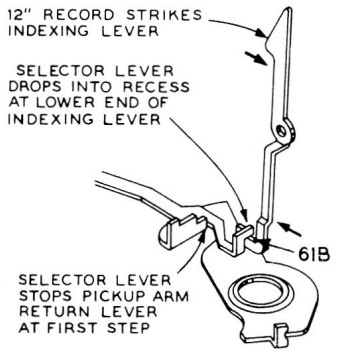
1. The elevating rod (24) slides down the incline on the slide permitting the pickup to sit on the start of the record.

NOTE:—12" indexing.
The mechanism automatically is indexed for the pickup to land on a ten-inch record, each time the mechanism goes through change cycle, unless a twelve-inch record contacts indexing lever (61) as its drops to the turntable. On each revolution of the cycling gear (complete change cycle) the tab (96C) pushes down on the selector lever (83) and the other end of the selector lever latches on the top edge (61A) of the twelve-inch indexing lever. Under these conditions the pickup will land correctly on a ten-inch record. On the other hand if a twelve-inch record drops to the turntable, it strikes the indexing lever on the way down. This permits the end of the selector lever (83) to drop down further into the recess (61B). The lower step of the pickup arm return lever makes contact with the selector lever and the pickup will land correctly on a twelve-inch record.

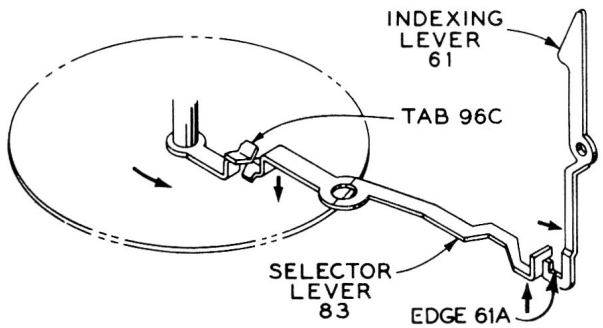




10" RECORD POSITION

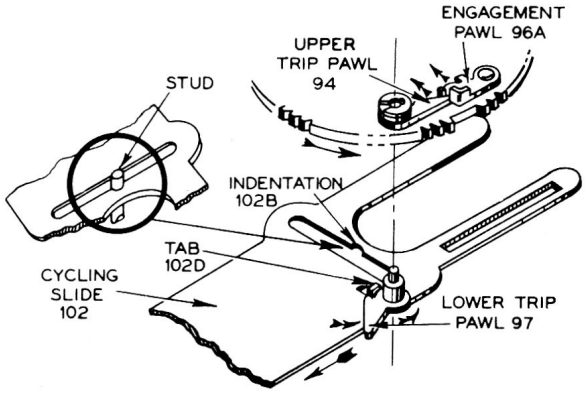


12" RECORD POSITION



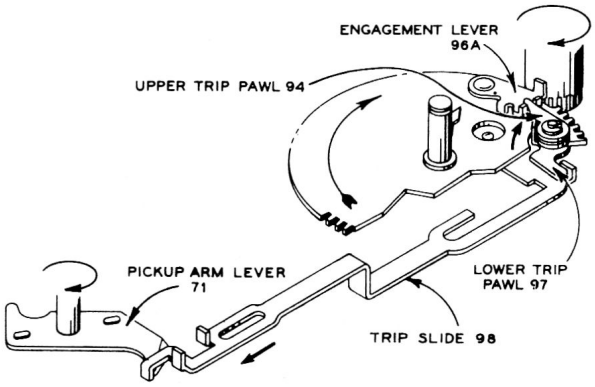
Mechanism completes cycle.

1. Just before the cycling gear completes cycle, a small tab (102D) on cycling slide makes contact with lower trip pawl (97) thereby moving upper trip pawl (94) and cycling engagement pawl (96A) back. This prevents the re-engagement with the off-set on the turntable shaft which would start a new change cycle.
2. The cycling gear comes to rest as the stud sliding in the cycling slide drops into a small indentation (102B) in the slide. The cut away section of the gear is in position so the gear on the turntable shaft is free to rotate.



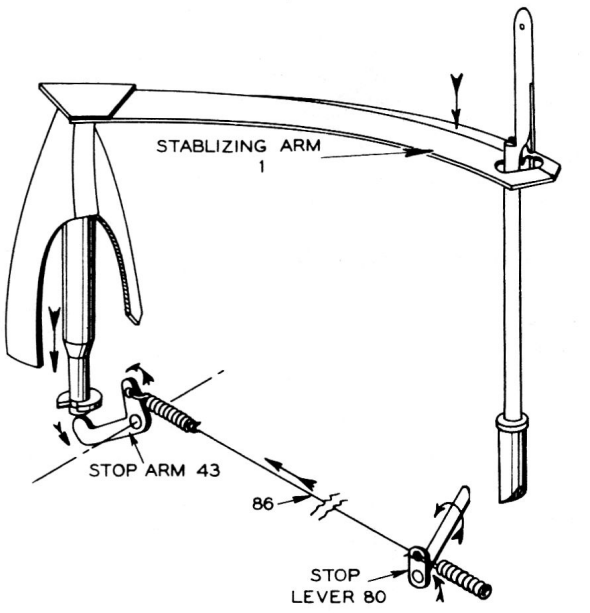
Record plays.

1. As the record plays, the pickup moves in toward the center of the record carrying the trip slide along. This is due to the contact made with the pickup arm lever which is rotating with the pickup arm pivot.
2. The trip slide contacts the lower trip pawl and both the lower and upper trip pawls and the cycling engagement pawls move slightly with each revolution of the record. This slight movement of the pawls is reversed each time the off-set on the turntable shaft comes in contact with the cycling engagement pawl. The back movement is taken up in the friction connection between the upper and lower trip pawls.
3. This action continues as long as the pickup moves in at a constant rate of speed. When the stylus leaves the recorded section of the record, the rapid acceleration results in the rapid movement of the cycling engagement pawl. The cycling engagement pawl assumes such a position that the off-set on the turntable shaft makes a positive contact and the cycling cam is pushed sufficiently for engagement between the teeth of the cycling gear and the teeth in the turntable shaft. This starts change cycle.



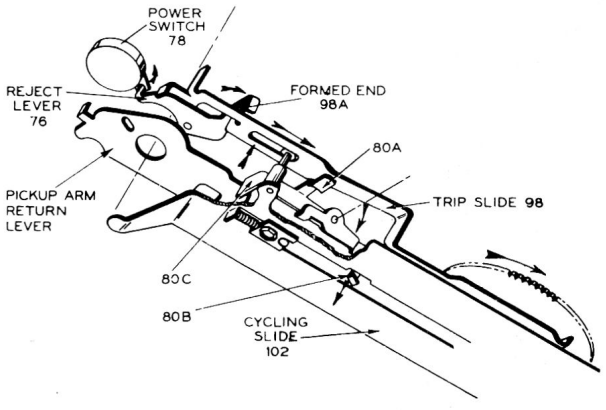
Pickup raises and moves out.

1. After the mechanism has been tripped the pickup arm moves out from action of the cycling slide (102) on the pickup arm lever (71).
2. The mechanism again follows the preceding sequence of dropping and playing the records until the last record of the stack has been played.

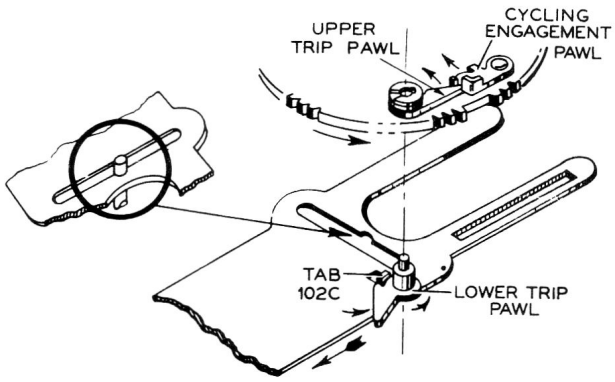


Mechanism stops automatically.

1. After the last selection has been played and the mechanism again goes into change cycle, the record support drops and actuates stop arm (43).
2. The stop arm movement is transferred through a connecting wire (86) to stop lever (80) causing it to raise.
3. As the stop lever raises the end (80A) lifts one end of trip slide. The other end (80C) of stop lever rises and forms a stop for pickup arm return lever preventing the pickup from moving in for landing.
4. The cycling slide has moved away from the center post permitting the lower end (80B) of stop lever to drop down through a small square cut in the cycling slide. After the end of the stop lever drops through the square opening, it slides along a channel cut in the slide which prevents it from raising until the slide returns.



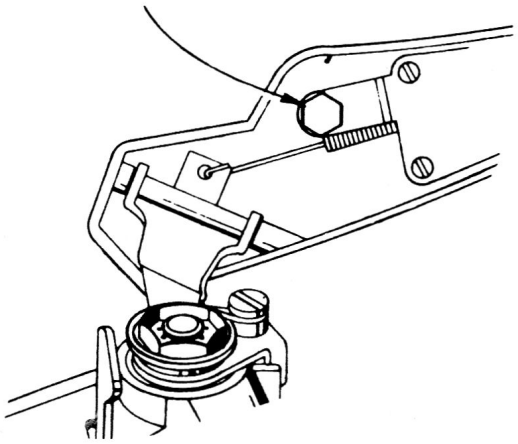
5. As the cycling slide moves back, it carries the raised trip slide along until finally the formed end (98A) of the trip slide (98) pushes reject lever which in turn actuates the power switch (78). This removes the power from the drive motor and mechanism stops.
6. The elevating rod (24) lowers the pickup arm to the rest.
7. As the cycling gear comes to rest, a small tab (102C) on cycling slide contacts and moves lower and upper trip pawls and cycling engagement pawl back to prevent engagement with off-set on turntable shaft. This prevents starting a change cycle if power would be applied to drive motor.



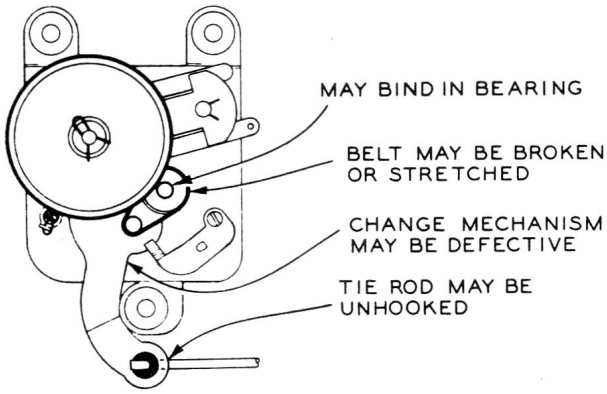
SERVICE HINTS

Pickup Arm Strikes Record on Center Post

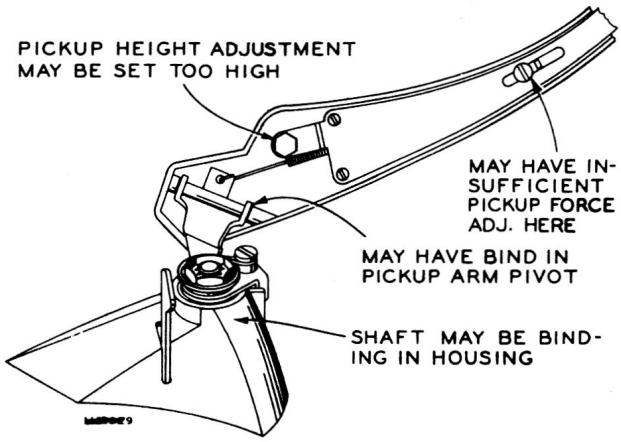
PICKUP HEIGHT ADJUSTMENT SET TOO HIGH

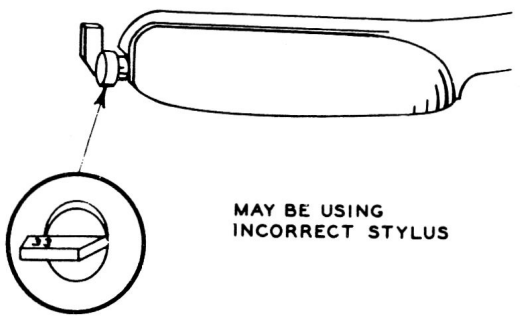


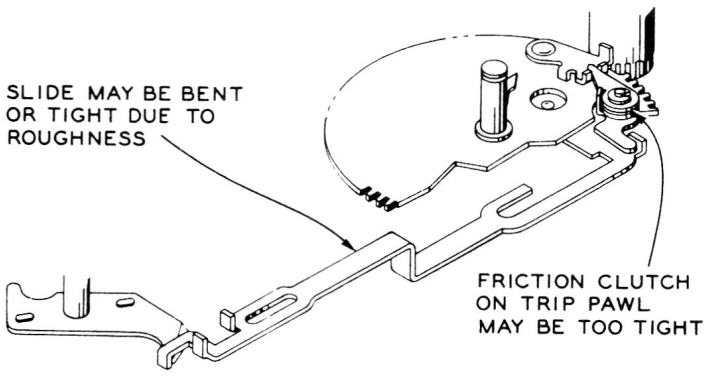
Speed Change Control Fails to Function



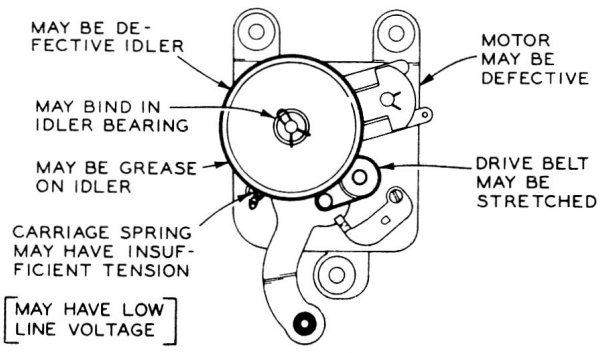
Pickup Skips Grooves





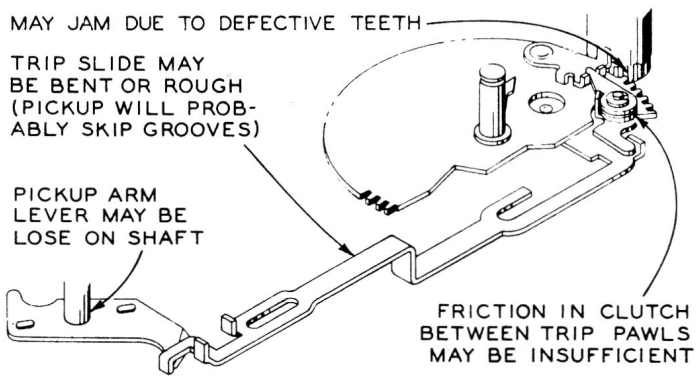


"Wow" or Speed Variation

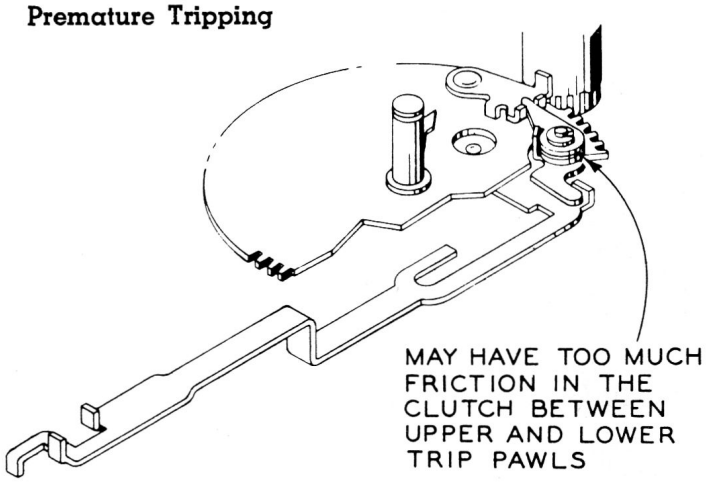


SERVICE HINTS (Continued)

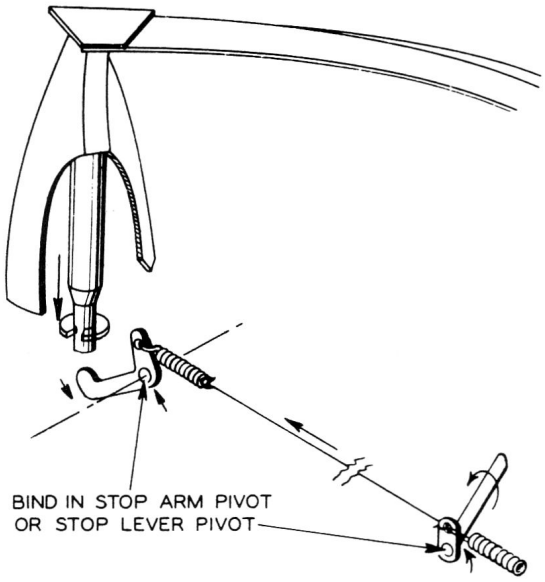
Mechanism Fails to Trip



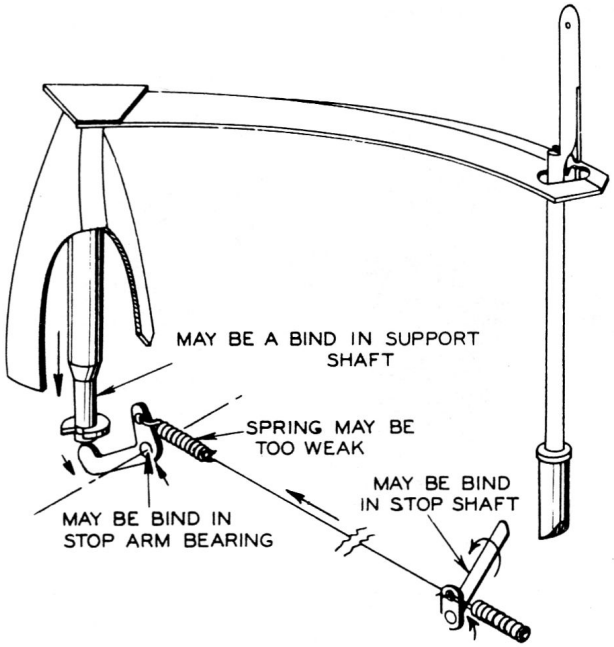
Premature Tripping



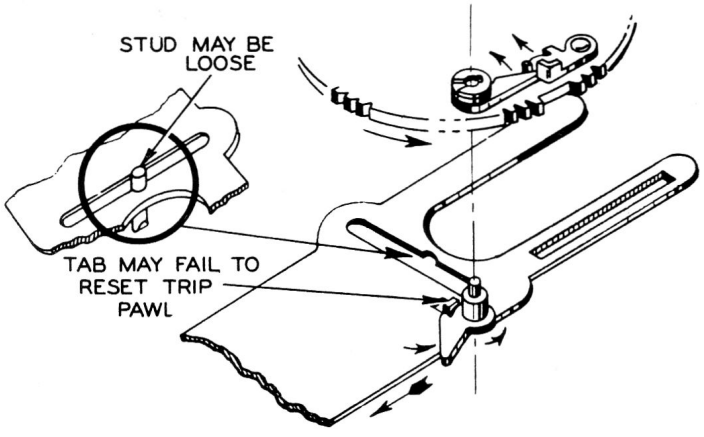
Pickup Sets Down on Rest Instead of Record



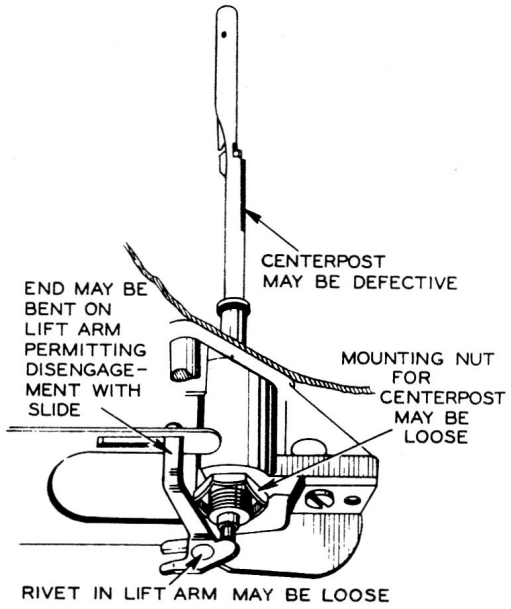
Mechanism Fails to Stop Automatically



Mechanism Trips Continuously

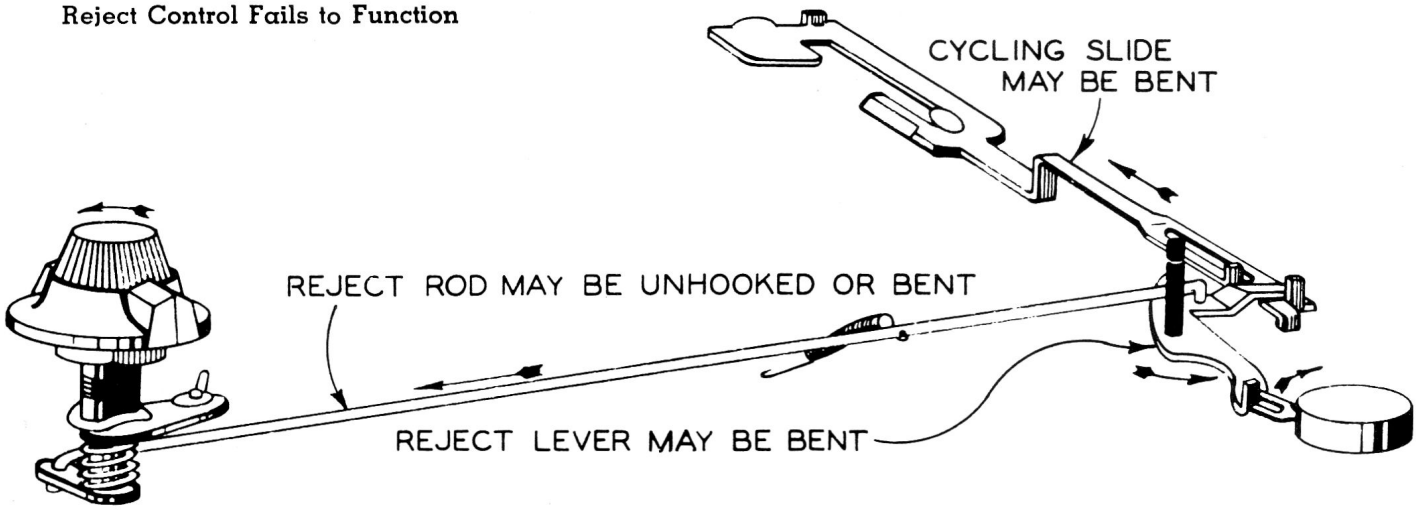


Failure to Separate Records Properly

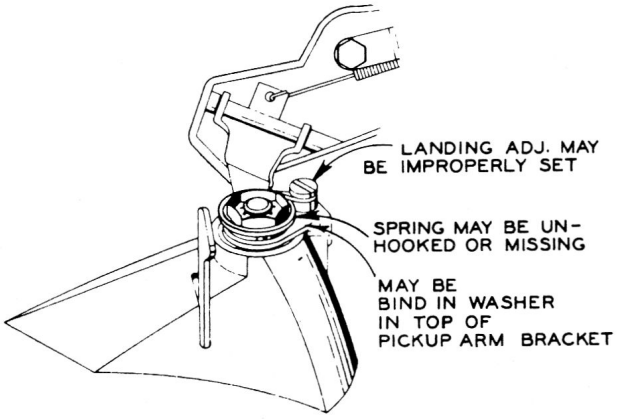


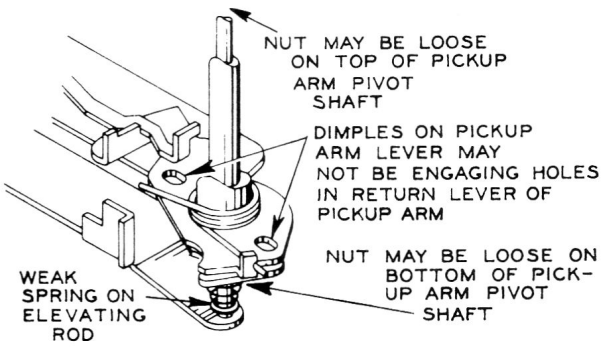
SERVICE HINTS (Continued)

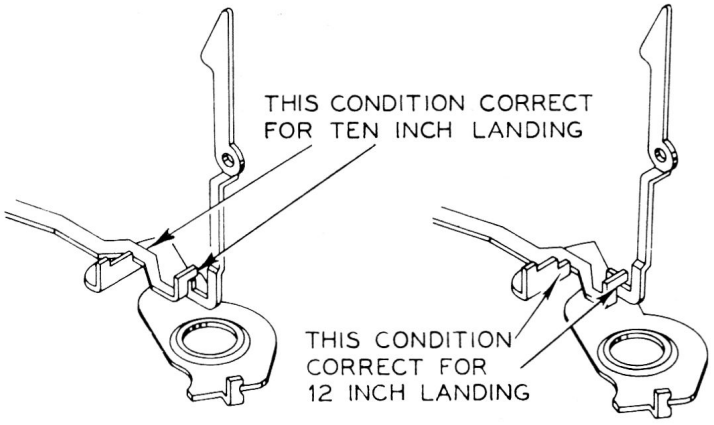
Reject Control Fails to Function

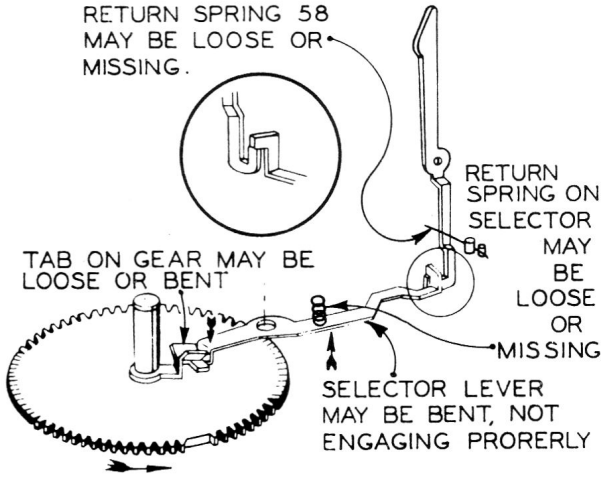


Pickup Fails to Land Properly

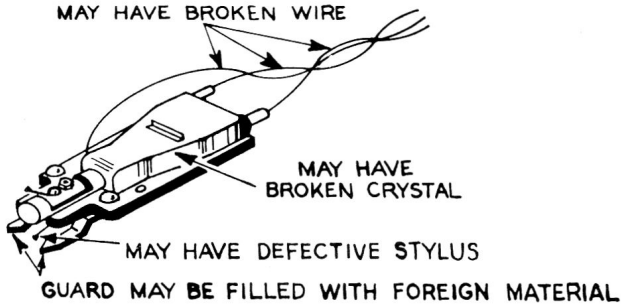




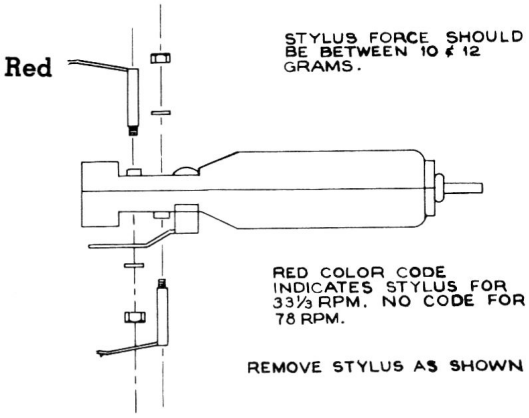




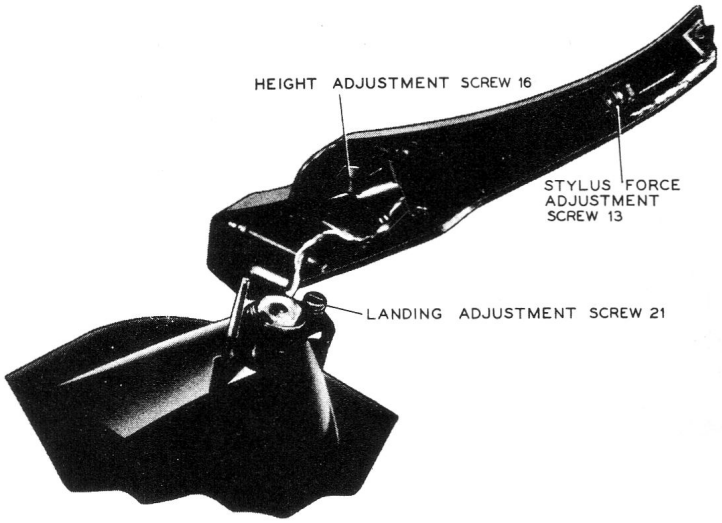
Distorted or No Output



Removing Stylus



ADJUSTMENTS

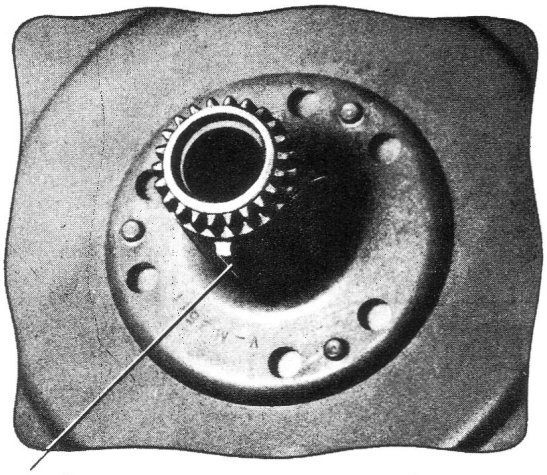


Landing Position—The landing position of the stylus is adjusted by means of the landing adjustment screw (21) mounted on the pickup arm support bracket assembly. Turn the screw for correct landing on 10″ records and the 12″ adjustment should automatically be correct.

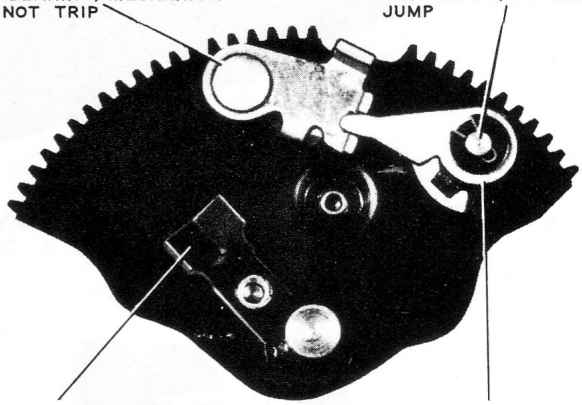
Pickup Arm Height—The pickup arm height is adjusted by screw (16) located inside the pickup arm. To raise pickup arm turn screw counterclockwise to lower arm turn screw clockwise. The pickup arm height should be adjusted so that with a 1⅛″ stack of records the pickup arm lifts ¼″ straight up as the change cycle starts.

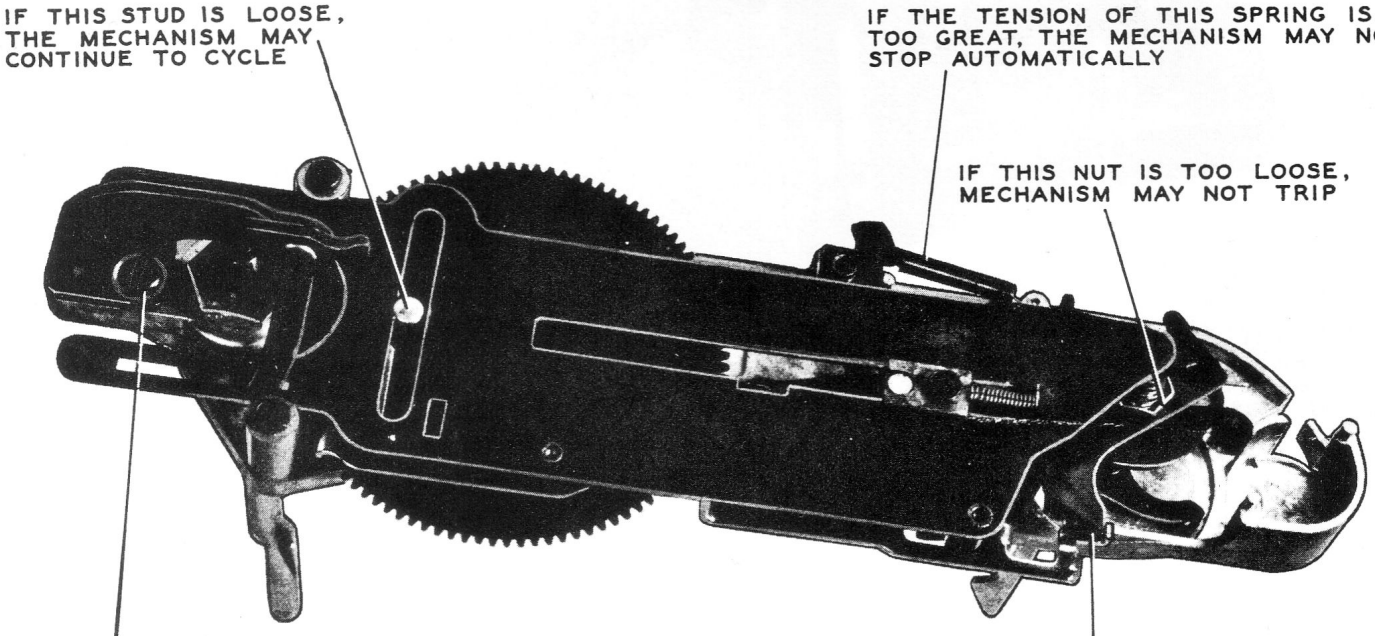
Stylus Force—Stylus force should be ten to **twelve grams.** Loosen screw (13) and move slide back and forth **until the** correct stylus force is obtained.

DO YOU KNOW?

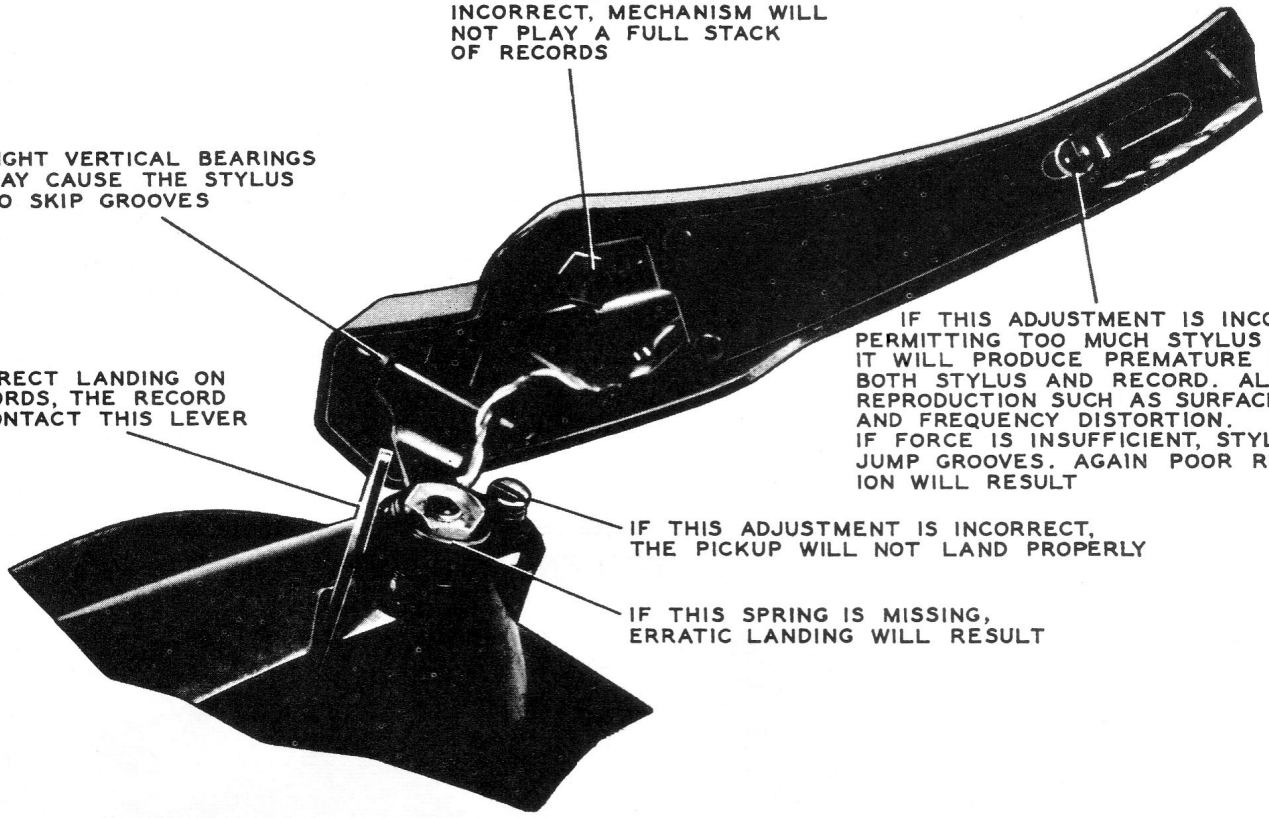


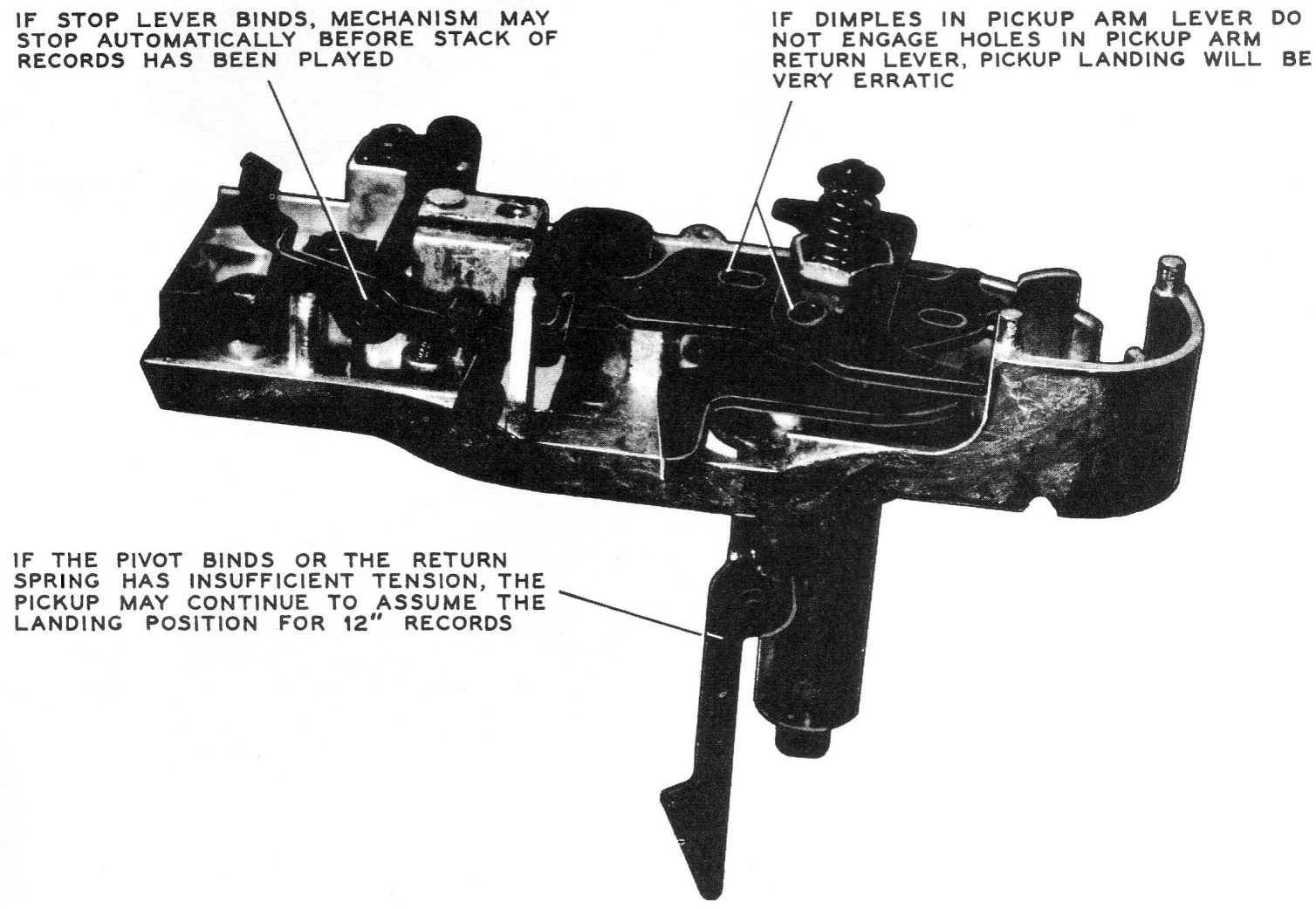
THE "OFFSET" CONTACTS ENGAGEMENT PAWL #96A CAUSING THE GEARS OF THE TURNTABLE SHAFT AND CYCLING CAM TO ENGAGE AND CARRY THE MECHANISM THROUGH CYCLE

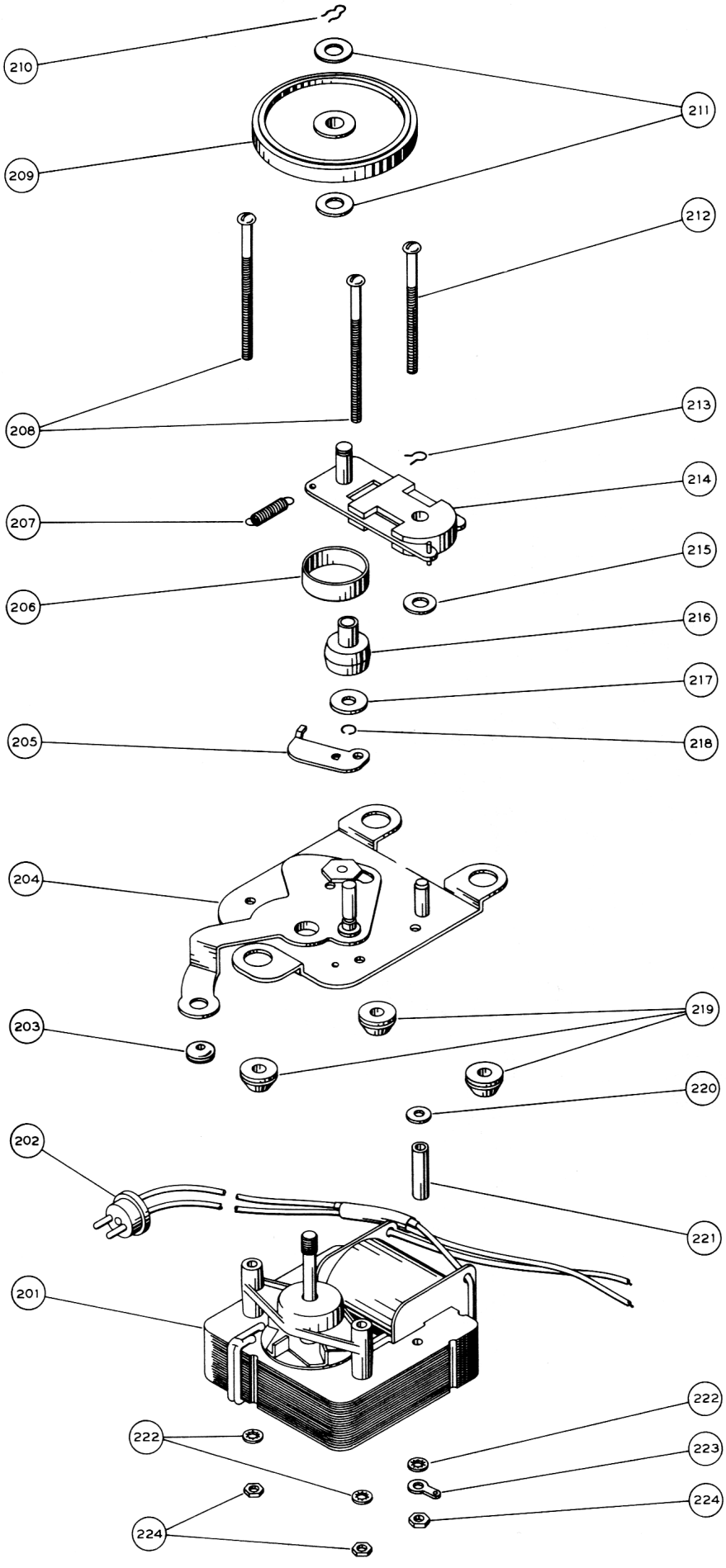




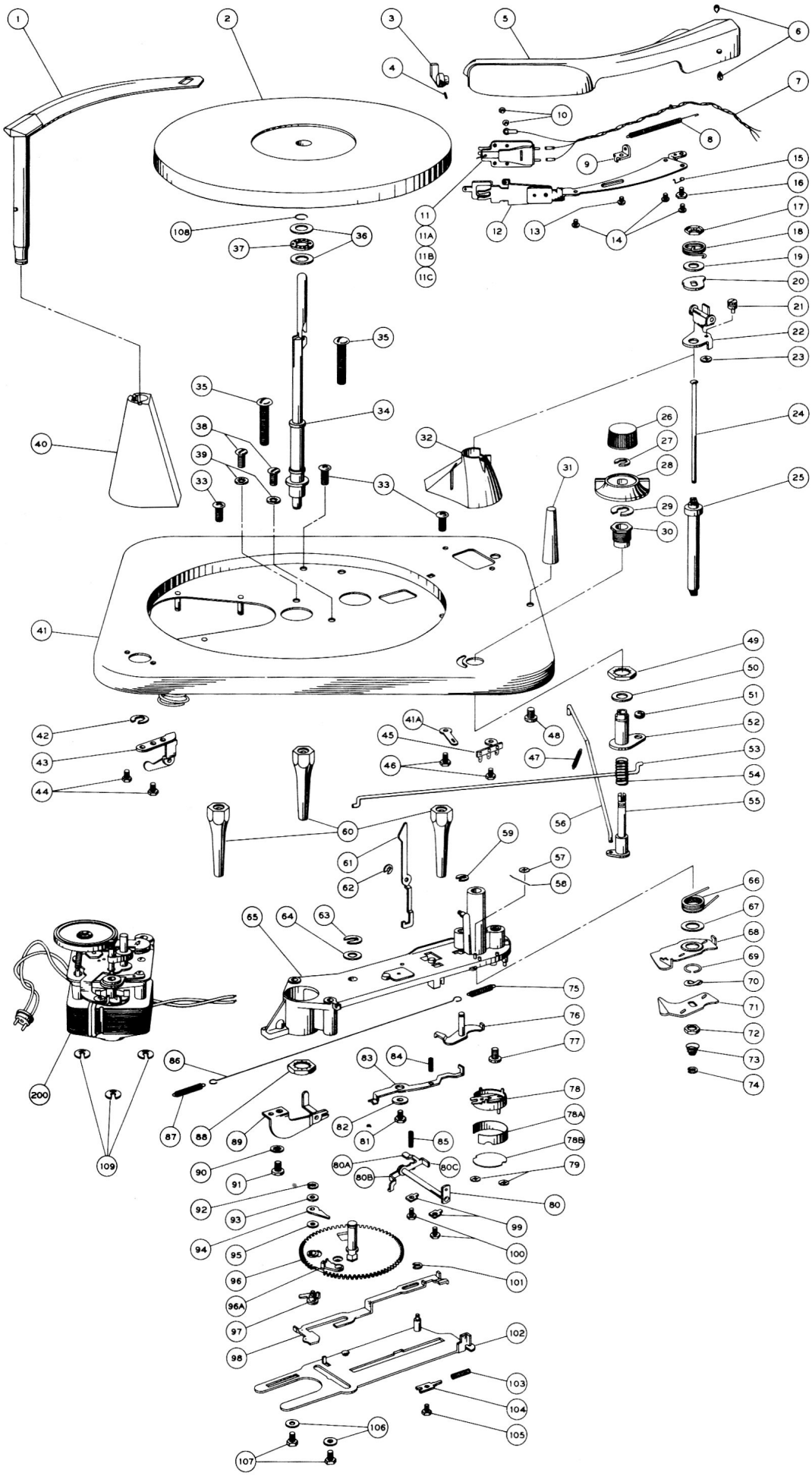
DO YOU KNOW?


IF HEIGHT ADJUSTMENT IS INCORRECT, MECHANISM WILL NOT PLAY A FULL STACK OF RECORDS
TIGHT VERTICAL BEARINGS MAY CAUSE THE STYLUS TO SKIP GROOVES
IF THIS ADJUSTMENT IS INCORRECT, PERMITTING TOO MUCH STYLUS FORCE IT WILL PRODUCE PREMATURE WEAR ON BOTH STYLUS AND RECORD. ALSO POOR REPRODUCTION SUCH AS SURFACE NOISE AND FREQUENCY DISTORTION. IF FORCE IS INSUFFICIENT, STYLUS MAY JUMP GROOVES. AGAIN POOR REPRODUCTION WILL RESULT
FOR CORRECT LANDING ON 12" RECORDS, THE RECORD MUST CONTACT THIS LEVER
IF THIS ADJUSTMENT IS INCORRECT, THE PICKUP WILL NOT LAND PROPERLY
IF THIS SPRING IS MISSING, ERRATIC LANDING WILL RESULT


IF STOP LEVER BINDS, MECHANISM MAY STOP AUTOMATICALLY BEFORE STACK OF RECORDS HAS BEEN PLAYED
IF DIMPLES IN PICKUP ARM LEVER DO NOT ENGAGE HOLES IN PICKUP ARM RETURN LEVER, PICKUP LANDING WILL BE VERY ERRATIC
IF THE PIVOT BINDS OR THE RETURN SPRING HAS INSUFFICIENT TENSION, THE PICKUP MAY CONTINUE TO ASSUME THE LANDING POSITION FOR 12" RECORDS



Exploded View of Motor (60 cycles)—Fig. 5



Exploded View of Entire Mechanism—Fig. 6

REPLACEMENT PARTS

ILL. NO.	STOCK NO.	DESCRIPTION
1	75802	Support—Record support complete with plastic cap (maroon) and pin for 960284-1
1	75803	Support—Record support complete with plastic cap (tan) and pin for 960284-2
1A	75804	Cap—Plastic cap (maroon) for record support assembly for 960284-1
1A	75805	Cap—Plastic cap (tan) for record support assembly for 960284-2
2	75806	Turntable—Turntable and hub assembly
3	75264	Knob—Stylus selector knob complete with screw Ill. #4
4	——	Screw—Screw for stylus selector knob (included in 75264, Ill. #3)
5	75807	Arm—Pickup arm shell only complete with "RCA Victor" emblem
6	75357	Pivot—Pickup arm pivot (2 required)
7	75808	Cable—Three (3) wire pickup cable complete with connectors
8	75809	Spring—Pickup arm counterbalance spring (coil type)
9	75810	Bracket—Adjustment bracket for counterbalance spring
10	——	Screw—Mounting screw for crystal
11	75475	Crystal—Two-way (33⅓/78 RPM crystal complete with styluses
11A	75497	Stylus—Osmium tip stylus for 78 RPM section (not coded)
11B	75496	Stylus—Osmium tip stylus for 33⅓ RPM section (coded "red")
11C	74230	Nut—#00-112 nut and washer to mount stylus
12	75811	Mount—Crystal mount and swivel assembly
13	——	Screw—#6-32 x ⅛" round head machine screw to mount counterbalance spring adjustment bracket
14	71097	Screw—#4 x ¼" self tapping screw for crystal mount and swivel assembly
15	75812	Spring—Lock spring (coil type) for height adjustment screw
16	75813	Screw—Height adjustment screw (hex head)
17	——	Nut—Pal nut for mounting pickup arm bracket
18	75814	Spring—Tension spring (coil type) for landing adjustment stud
19	——	Washer—Metal (steel) washer for pickup arm pivot shaft (1/16" x ¼" I.D. x ½" O.D.)
20	75815	Cam—Landing adjustment cam
21	75816	Stud—Landing adjustment stud (eccentric)
22	75817	Bracket—Pickup arm mounting bracket complete with pin
23	75818	Nut—Speed nut for landing adjustment stud
24	75819	Rod—Elevating rod
25	75820	Shaft—Pickup arm pivot shaft and sleeve
26	75821	Knob—Function control knob (maroon) for 960284-1
26	75822	Knob—Function control knob (tan) for 960284-2
27	75399	Washer—"C" washer to mount function control arm and shaft assembly
28	75823	Knob—Motor speed control knob (maroon) for 960284-1
28	75824	Knob—Motor speed control knob (tan) for 960284-2
29	75825	Washer—"C" washer to mount motor control arm and shaft assembly
30	75826	Bushing—Threaded bushing for control shaft
31	75827	Rest—Pickup arm rest (maroon) for 960284-1
31	75828	Rest—Pickup arm rest (tan) for 960284-2
32	75829	Housing—Pickup arm pivot shaft housing (plum hammertone) (die-cast) for 960284-1
32	75873	Housing—Pickup arm pivot shaft housing (light brown) (die-cast) for 960284-2
33	75830	Screw—#10 x ½ self-tapping cross-recessed head screw to mount plastic legs
34	75831	Spindle—Turntable spindle assembly
35	75377	Screw—Motorboard mounting screw (¼-20 x 1⅜" round head—special)
36	75354	Washer—Thrust washer for turntable bearing (2 required)
37	75355	Bearing—Thrust bearing
38	——	Screw—#10-24 x 5/16" pan head machine screw to mount die-cast sub-assembly
39	——	Lockwasher—#10 internal tooth lockwasher to mount die-cast sub-assembly
40	75832	Housing—Record support housing (plum hammertone) (die-cast) for 960284-1
40	75874	Housing—Record support housing (light brown) (die-cast) for 960284-2
41	——	Board—Motorboard (plum hammertone) complete with mounting springs, cable clamps and motor mounting studs for 960284-1
41	——	Board—Motorboard (light brown) complete with mounting springs, cable clamps and motor mounting studs for 960284-2
41A	——	Lug—Terminal lug
42	75385	Washer—"C" washer for record support shaft
43	75834	Arm—Stop arm assembly
44	——	Screw—#6 x 5/16" hex head self-tapping screw to mount record support housing and stop arm
45	——	Board—Terminal board (3 contact)
46	——	Screw—#6-32 x ¼" hex head self-tapping screw to mount terminal board and pick-up arm pivot housing
47	75401	Spring—Reject rod return spring (coil type)
48	75830	Screw—#10 x ½" self-tapping cross-recessed head screw to mount arm rest
49	——	Nut—Pal nut to mount threaded bushing Ill. #30
50	75835	Washer—Bronze washer for control shaft
51	75403	Grommet—Rubber grommet for motor speed control rod
52	75836	Arm—Motor speed control arm and shaft assembly
53	75837	Rod—Motor speed control rod
54	75838	Spring—Compression spring for control lever shaft (coil type)
55	75839	Arm—Function control arm and shaft assembly
56	75840	Rod—Reject rod
57	75841	Nut—Speed nut for 12" indexing lever return spring
58	75842	Spring—12" indexing lever return spring (formed)
59	75392	Washer—"C" washer for mounting reject lever
60	75843	Leg—Plastic leg
61	75844	Lever—12" indexing lever
62	75397	Washer—"C" washer for mounting 12" indexing lever
63	75373	Washer—"C" washer for mounting cycling gear
64	75845	Washer—Fibre washer for mounting cycling gear
65	75846	Casting—Main casting
66	75847	Spring—Pickup arm return lever spring (coil type)
67	75848	Washer—Fiber washer for pickup arm pivot shaft
68	75849	Lever—Pickup arm return lever
69	75850	Retainer—Retainer ring for pickup arm return lever
70	75851	Washer—Spring washer for pickup arm pivot shaft
71	75852	Lever—Pickup arm lever
72	——	Nut—Pal nut to fasten pickup arm lever
73	75854	Spring—Thrust spring (coil type) for elevating rod
74	75397	Washer—"C" washer for elevating rod
75	75855	Spring—Return spring (coil type) for stop lever
76	75856	Lever—Reject lever
77	——	Screw—#10-24 x 5/16" round head machine screw and lockwasher
78	75857	Switch—"On-Off" switch complete with insulating strip and cover
79	75841	Nut—Speed nut for fastening switch cover

REPLACEMENT PARTS—Cont.

ILL. NO.	STOCK NO.	DESCRIPTION
80	75858	Lever—Stop lever assembly (including 80A, B, C)
81	——	Screw—#6-32 x ¼" hex head screw for selector lever
82	——	Washer—Flat washer (steel) for mounting selector lever
83	75859	Lever—Selector lever
84	75860	Spring—Return spring (coil type) for selector lever
85	75861	Spring—Return spring (coil type) for stop lever
86	75862	Link—Control link
87	75863	Spring—Return spring (coil type) for stop arm
88	——	Nut—Pal nut for spindle
89	75864	Arm—Lift arm
90	——	Lockwasher—Internal teeth lockwasher (#10) for lift arm mounting screw
91	——	Screw—#10-24 x 5/16" round head machine screw for lift arm
92	75397	Washer—"C" washer for mounting trip pawl
93	75396	Washer—Fibre washer for trip pawl shaft
94	75865	Pawl—Trip pawl—upper
95	75395	Washer—Spring washer for trip pawl shaft
96	75866	Gear—Cycling gear complete with shaft and engagement lever
96A	——	Lever—Engagement lever—part of Ill. 96
97	75867	Pawl—Trip pawl—lower
98	75868	Slide—Trip slide
99	75869	Strip—Bearing strip for stop lever shaft
100	——	Screw—#4-40 x ¼" hex head screw for mounting stop lever shaft bearing strips
101	75397	Washer—"C" washer for mounting trip slide
102	75870	Slide—Cycling slide and cam assembly
103	75871	Spring—Stabilizing spring (coil type) for cycling slide
104	75872	Plate—Bearing plate for cycling slide
105	——	Screw—#6-32 x ½" hex head machine screw for mounting cycling slide bearing plate
106	——	Washer—Brass washer for cycling slide
107	——	Screw—#6-32 x ½" hex head machine screw for mounting cycling slide
108	75353	Retainer—Turntable spindle thrust bearing assembly retainer
109	75876	Washer—"C" washer for mounting motor
200	75333	Motor—117 volt, 60 cycle, complete with top plate, idler wheel and drive belt
	S-5917	25 Cycle Motor
202	30870	Connector—2 contact male connector for motor leads
203	75403	Grommet—Rubber grommet for motor speed change tie rod (2 req'd)
204	75426	Plate—Motor top plate including speed change carriage, 3 mounting grommets and 1 speed change lever grommet
205	75431	Plate—Friction guide plate
206	75376	Belt—Rubber belt for motor drive shaft
207	75383	Spring—Tension spring for idler wheel
208	——	Screw—#6-32 x 2" round head machine screw to mount top plate to motor
209	75382	Wheel—Idler wheel
210	75380	Spring—Hairpin spring for idler wheel
211	75433	Washer—Dampening washer for idler wheel (2 req'd)
212	——	Screw—#6-32 x 2⅛" round head machine screw to mount top plate to motor
213	75432	Spring—Hairpin spring to mount idler carriage
214	75430	Carriage—Idler carriage
215	75433	Washer—Fibre washer
216	75429	Pulley—Drive pulley and shaft assembly for 33⅓ RPM
217	75428	Washer—Felt washer
218	75427	Retainer—Retainer ring for drive pulley and shaft
219	75386	Grommet—Rubber grommet to mount motor (3 req'd)
220	——	Washer—Flat metal washer
221	——	Spacer—Metal spacer to mount top plate to motor
222	——	Lockwasher—#6 internal teeth
223	——	Lug—Terminal lug
224	——	Nut—#6 hex nut

LUBRICATION

The mechanism is properly lubricated when it leaves the factory, so no lubrication should be necessary for a long period of time. If, however, the mechanism has unusual use or high operating temperatures, it may be necessary to add additional lubrication.

It is suggested to use Lubriplate to

1. Pickup arm pivot.
2. Points of sliding contact with cycling slide, including:
   a. elevating rod
   b. lift arm
   c. roller on cycling cam
   d. pickup arm return lever
   e. pickup arm lever
3. End of selector lever contacting tab on cycling gear.
4. Turntable thrust bearing.
5. Sparingly on a trip slide.
6. All points of sliding contact.

Apply a small quantity of light machine oil #10 or Singer Sewing machine oil to:

1. Trip pawl pivot.
2. Cycling engagement pawl pivot.
3. Bearing of record support.
4. Elevating rod.
5. Bearing of lift arm.
6. Bearing of reject lever.
7. Bearing of stop lever.
8. Bearing of cycling gear.
9. Motor bearings.

NOTE: Keep oil or grease away from all rubber parts.