

Admiral

SERVICE DATA NO. ST569-1 FOR RC604, RC624, RC644, RC654, RC664, RC674 AND RC684 FOUR SPEED RECORD CHANGERS

This service manual contains temporary information for Admiral four speed record changers, models RC604, RC624, RC644, RC654, RC664, RC674 and RC684. For complete information on these changers, see Service Manual No. S569.

INSTALLATION

Installation instructions for these models are the same as those on page 2 of S454, Service Manual for the RC600 record changer, with the following exceptions.

A tone arm clip has been incorporated to permit the tone arm to be securely fastened during transport of the phonograph. The tone arm clip should be disengaged from the retaining stud on the tone arm rest before the record changer is operated.

Remove the needle guard by pulling it forward and off the cartridge. Remove the leveling arm retainer which holds it in position during shipment.

OPERATING INSTRUCTIONS

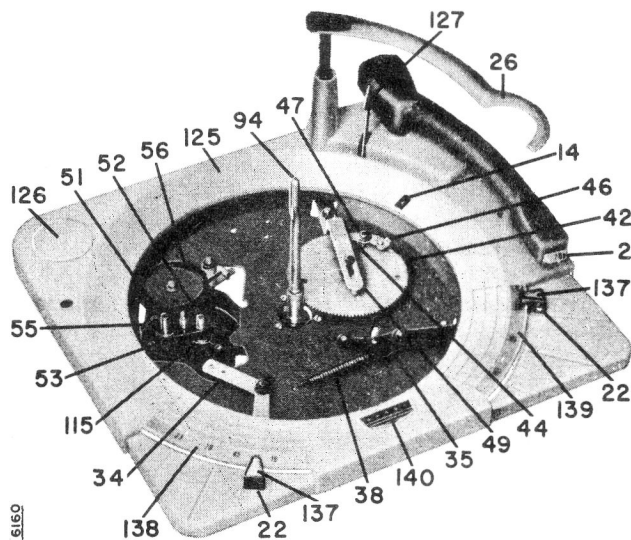


Figure 1. RC654 Record Changer with Turntable Removed.

Operating instructions for these record changers are the same as those for the RC600 on pages 2 and 3 of Service Manual S454 with the following excep-

tions. The SPEED SELECTOR knob has a neutral position. This knob should be left in the neutral position when the changer is not in use.

45 RPM adapters are not required when the 45 RPM spindle is used. The design of the leveling arm will allow the record changer to automatically shut off after the last record is played while using the 45 RPM spindle.

This series of changers will automatically play--

twelve 10-inch 33 or 78 RPM records, or ten 12-inch 33 or 78 RPM records, or fourteen 7-inch 45 RPM records, or ten 7-inch 33 RPM records.

In addition, RC654 record changers will automatically play twelve 10-inch and 12-inch records of the same speed intermixed.

RECORD CHANGER DIFFERENCES

The Admiral line of four speed record changers is basically the same as the three speed record changers, the major difference being in the new motor assembly. Adjustments for three and four speed changers are identical and are described in detail in this manual.

All of the new four speed changers have these features:

- (1) Storage well to accommodate the 45 RPM spindle.
- (2) Redesigned leveling arm to permit the changer to shut off automatically after the last record has played when using the 45 RPM spindle.
- (3) Neutral position for SPEED SELECTOR that disengages the idler wheel from the turntable rim when the record changer is not in use.

ADJUSTMENTS

When making the following adjustments, keep in mind that the Push-off, Trip, and Set-Down mechanisms function independently.

VELOCITY TRIP MECHANISM

This record changer uses a velocity type trip, which depends upon a rapid movement of the tone arm toward the centerpost in any area between 2-7/8" to 7/8" from the center of the record. This trip requires no adjustment. However, in order for the changer to trip properly, there must be sufficient friction between the trip motion arm (44) and the gear engagement pawl (46). Friction may be increased by placing a very slight amount of a silicone lubricant such as Cosmolube #1 on the fiber washer (45). If necessary, replace the trip friction washer (47).

SET-DOWN ADJUSTMENT

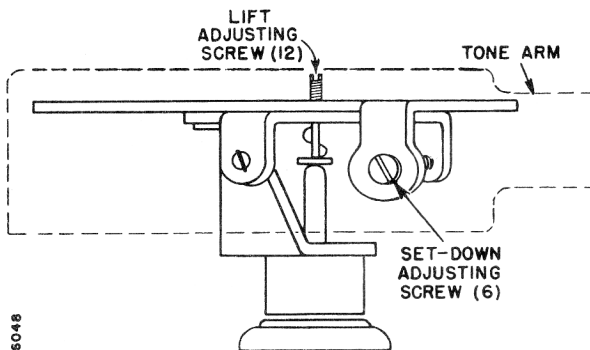


Figure 2. Set-Down and Lift Adjustments.

The set-down adjustment may be made while the changer is in its compartment or cabinet. Adjustment of the set-down point is made by adjusting the set-down adjusting screw (6). See figure 6. The tone arm will automatically set-down properly on 10-inch or 12-inch records if the set-down adjustment is made properly on a 7-inch record. The set-down adjusting screw is accessible through the hole in the left side of the tone arm. Turning this screw out (counterclockwise) moves the set-down point of the tone arm closer to the centerpost, and turning this screw in (clockwise) moves it away from the centerpost.

When operating the record changer out of its cabinet, the television line cord with the interlock socket (Admiral part number 89A22-1) may be used as an adapter for power at the phonograph motor plug.

Be sure the record changer is level. Make the set-down adjustment as follows:

1. Grasp the leveling arm at the point marked "LIFT HERE" and swing the arm from the centerpost to its stop above the tone arm rest.
2. Place a standard 7-inch, 45 RPM record on the turntable.

3. Rotate turntable by hand. Slide the reject pointer (22) to "REJ" position and let it return to "ON".
4. Continue to rotate turntable until the tone arm swings over and begins to "Set-down". Stop turntable just as needle touches the record.
5. "Touch-up" set-down adjusting screw (6) and repeat the preceding steps until needle sets down in the center of the starting groove of the 7-inch 45 RPM record.
6. Check the set-down point with each size of record. "Touch-up" set-down adjustment until the set-down has been optimized for all sizes, 7, 10 and 12-inch records.

If all sizes of records are not readily available, Set-down adjustments may be accurately checked with a ruler. Follow steps 1, 2, 3 and 4. Measure from the near side of centerpost to the point of "Set-down". The distance should be between 3-1/4" to 3-5/32" for 7-inch records, between 4-10/16" and 4-11/16" for 10-inch records and between 5-19/32" and 5-22/32" for 12-inch records.

ADJUSTING THE TONE ARM LIFT

Be sure the record changer is level. The tone arm lift adjustment may be made while the changer is in its compartment or cabinet. The tone arm lift adjusting screw (12) is accessible through a hole on the top of the tone arm at the tone arm base. See figure 2. If the tone arm lift is too great, that is, the tone arm touches the record at the bottom of the stack of 12 standard 10", 78 RPM records on the turntable, turn the lift adjusting screw clockwise.

Adjust according to the following procedure.

- (1) Lift the leveling arm (26) and swing it outward toward the tone arm.
- (2) Rotate the turntable by hand. Slide the reject pointer (137) to "REJ" and let it return to "ON".
- (3) Continue rotating turntable slowly until the tone arm swings over the turntable. Stop the turntable before the tone arm begins to set-down in position for 7-inch records.
- (4) The needle must be 1-3/8" above the surface of the turntable to pass over 12 standard 78 RPM 10-inch records.
- (5) Adjust the tone arm lift adjusting screw (12) clockwise for greater lift and counterclockwise for lesser lift.
- (6) Place some records on the spindle shelf (94) and put the leveling arm in position. Start the record changer. During the reject cycle, if tone arm touches the records suspended on the spindle shelf, the lift is too great. Adjust accordingly. See pages 6 and 7 of Service Manual S454 for other adjustment instructions.

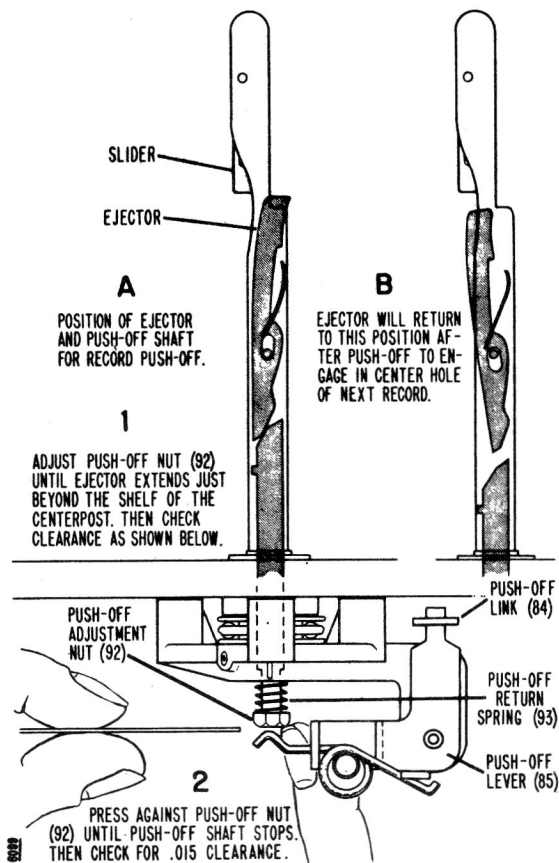


Figure 3. Adjusting For Correct Push-Off.

If the 45 RPM spindle does not operate properly, check to see that it is firmly pushed down on the centerpost, until it is firmly seated. If it still does not operate properly, then the Push-off adjustment should be made. A compromise adjustment may be necessary to get acceptable push-off for both the spindle and the small center hole records.

OPERATION OF 45 RPM CENTERPOST

Change Cycle

In the out of cycle position, the 45 RPM records rest upon the protruding ends of the record shelves (7a, 7b), see figure 4.

When the record changer goes into cycle, the ejector (122) and push-off shaft into the small centerpost assembly (94), are moved by the push-off lever (85). See figures 12 and 3. The outward movement of the ejector (122) in centerpost assembly (94) pushes against the push-out slider assembly (9) causing the record slicer drive studs to move the record slicers (5) outward. As the record slicers move outward and hold all but one record, a record shelf drive stud drives the record shelves, (7a, 7b) inward which allows the record to drop to the turntable.

After the record drops to the turntable, the record shelves move outward, then the slicers move in allowing all the records to again rest on the record shelves until the next change cycle starts.

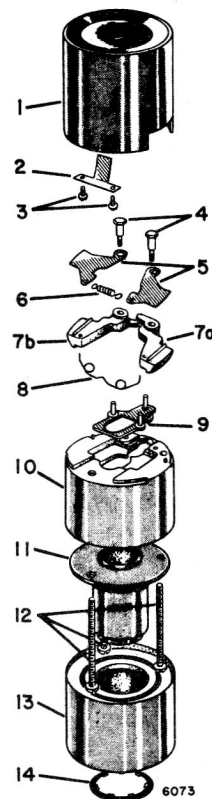


Figure 4. Exploded View of 45 RPM Centerpost.

DISASSEMBLING THE 45 RPM SPINDLE

(See figure 4.)

To disassemble the spindle for parts replacement, etc., proceed as follows:

1. Place spindle upside down on a clean, flat surface and remove retaining ring (14) by prying under it.
2. Remove rotating base assembly (13) from the rest of the spindle.
3. Remove the three screws (12) that hold the spindle shaft assembly (11) to spindle base assembly (10).
4. Lift spindle shaft assembly (11) from spindle base assembly (10).
5. Lift spindle base assembly (10) from spindle cap assembly (1).

All moving parts which may require replacement are a part of the spindle base assembly (10) and are now accessible.

The slicer return spring (6) may be removed with a pair of long nose pliers. To replace the shelf return spring (8), the two pivot studs (4) must be loosened enough to allow clearance between the record shelf (7a, 7b) and the spindle base assembly (10).

To replace the record slicers (5), record shelf (7a, 7b) or push-out slider assembly (9), remove the two pivot studs (4).

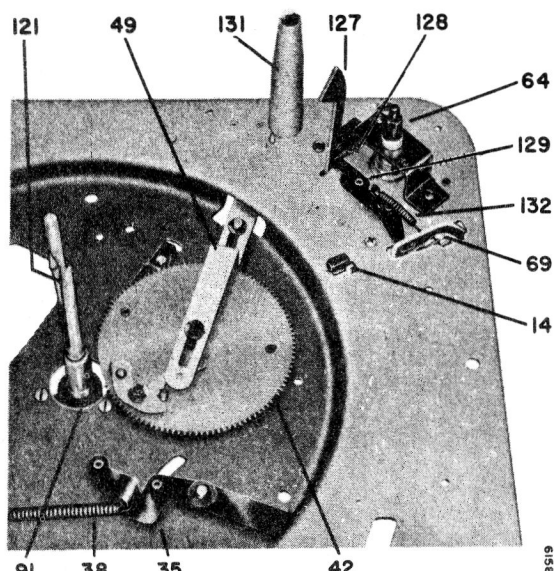


Figure 5. RC654 Record Changer, Phono Pan Cover Removed.

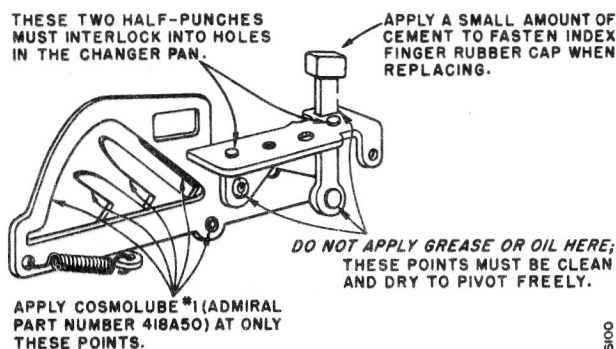


Figure 7. Set-Down Index Assembly.

Differences in Change Cycle

The information below describes the operation of the 10-inch and 12-inch automatic record size selector (intermix) in RC654 record changers only.

The 7-inch and 10-inch set-down position of the tone arm is accomplished in the same manner described on page 4 of S454. However, the index finger's rubber cap (14) is not stepped on the RC654 record changer, and thus it will not "feel" the difference between a 10-inch or 12-inch record. The presence of a 12-inch record is felt by the 12-inch set-down trigger (127).

At the beginning of each change cycle, the 12-inch set-down slide (129) is reset into position to be triggered by the 12-inch set-down trigger (127), by means of the pin on the safety arm and stud assembly (73). This pin actuates a roller (129A) located on the underside of the pan that is attached to the 12-inch set-down slide.

Intermix of 10-inch and 12-inch records is thus accomplished, since the index finger's rubber cap (14) will always "feel" the equivalent of a 10-inch record, and the 12-inch set-down trigger (127) will correct this action for every 12-inch record that slides down the centerpost.

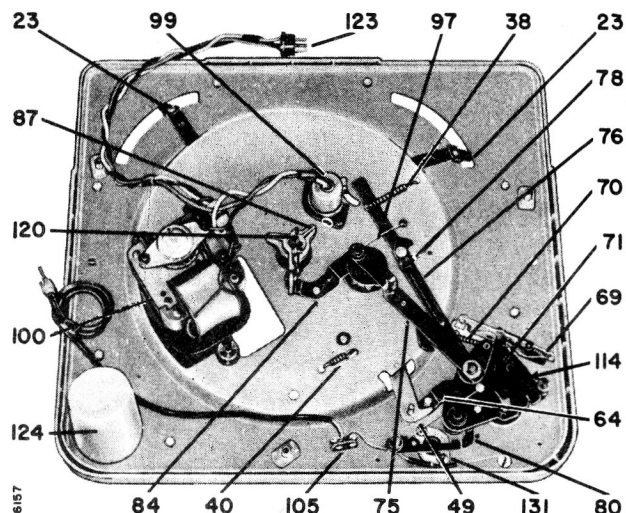


Figure 6. RC654 Record Changer, Bottom View, Changer Out of Cycle.

SERVICE AND REPAIR

When servicing or repairing the RC654 record changers, first follow instructions below and then refer to pages 8 and 9 of S454. For record changers covered in this manual, other than the RC654 record changer, see pages 8 and 9 of S454.

Removing Record Changer Pan Cover on RC654 Record Changers

To remove Record Changer Pan Cover, loosen set screw in Tone Arm Mount and Hub Assembly. This will allow the tone arm to be lifted away from the record changer pan cover. Swing the leveling arm over the centerpost and lower it as far as it will go toward the turntable with the centerpost extending up through the opening. Turn changer over. Lift shut off delay stop (80) upward slightly and turn out of way of protruding leveling arm shaft (26). Remove retaining ring and leveling arm return spring from leveling arm shaft. Remove control knobs by removing control knob lever screws and remove the eight screws that hold the record changer pan cover to the record changer pan. Turn changer over and remove leveling arm by lifting up off of the centerpost. The record changer pan cover can now be lifted from the changer pan far enough to make repairs.

Removing Turntable on Record Changers with Neutral Position on Speed Selector

Set the speed selector knob to the neutral ("N" or dot) position before following the instructions on page 8, S454. This disengages the idler wheel from the turntable rim and facilitates removing or replacing the turntable.

NEEDLE AND CARTRIDGE REPLACEMENT

Various needles and cartridges are used in the record changers covered in this manual. To simplify selection of replacements, the table below may be used.

RECORD CHANGER IDENTIFICATION CHART

RECORD CHANGER	RECORD INTERMIX	CHANGER PAN COLOR	TURNTABLE COLOR	CARTRIDGE	NEEDLES
RC604	No	Dull Gold Hammer Tone	Maroon	409A17	.002" osmium 98B15-29
RC624	No	Dull Gold Hammer Tone	Maroon	409B21	osmium .001" .003" 98B15-44
RC644	No	Dull Gold Hammer Tone	Maroon	409B20	sapphire .001" .003" 98B15-43
RC654	Yes	Beige	Coral	*409B19-8 or 409B20	sapphire .001" 98B15-32* .003" 98B15-31* .001" 98B15-43 .003"
RC664	No	Light Green	Dark Green	409B20	sapphire .001" 98B15-43 .003"
RC674	No	Dull Gold Hammer Tone	Dark Green	409B21	osmium .001" .003" 98B15-44
RC684	No	Dull Gold Hammer Tone	Maroon	409A17	osmium .002" 98B15-29

*Used in early production RC654 record changers stamped Run 2M5 and lower

When replacing a needle, note that the needle may be mounted to the cartridge by one of two methods. One type of cartridge has a knurled nut, which must be loosened to remove the needle. The other type of cartridge has a force-fit sleeve and the needle is removed by pulling it forward. Also note that a rotating type cartridge is used on the early production of RC654 Record Changers. See figure 8.

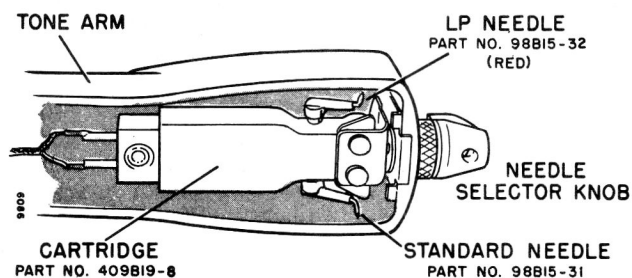


Figure 8. Cartridge and Needles Used On Early Production (below Run 2M5) RC654 Record Changer.

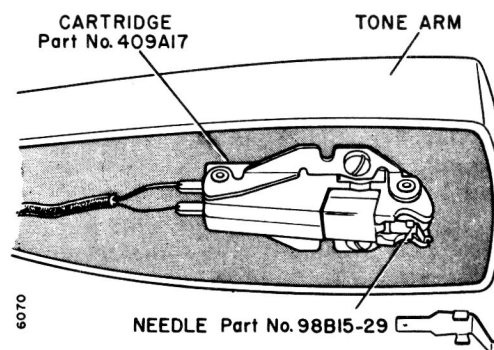


Figure 9. Cartridge and Needle Used On RC604 and RC684 Record Changers.

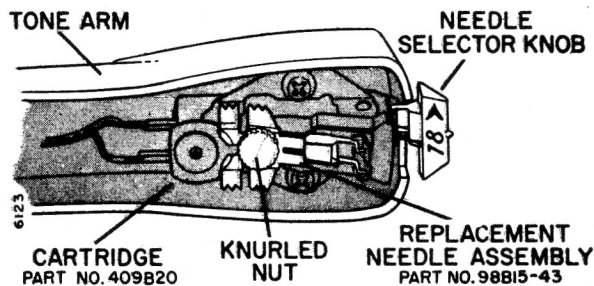


Figure 10. Cartridge and Needle Assembly Used in RC644, RC654 and RC664 Record Changers.

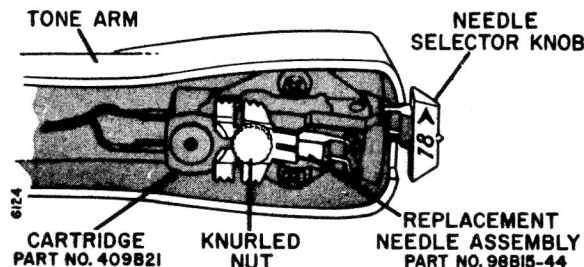


Figure 11. Cartridge and Needle Assembly Used in RC624 and RC674 Record Changers.

The cartridges shown in figures 10 and 11 use replaceable needle assemblies. Both jewel tipped needles are part of a replaceable assembly. To replace the assembly, loosen the knurled nut and remove the needle assembly. Insert replacement assembly in the exact same position and tighten knurled nut.

SERVICE HINTS

Reducing Hum

Hum may be reduced or eliminated on some phono-graph models if the ground strap (if one is used) which grounds the motor to the changer pan is removed.

Cementing Inlay (Rej-On-Off, 33-78-45 or 33-78-45-16) To Record Changer Pan Cover on RC654 Record Changers

If the speed indicator inlay or Rej-On-Off inlay becomes loose, they can be cemented to the Phono Pan Cover with Ambroid or Pliobond cement. Caution: Be careful not to get any of the bonding material on the Phono Pan Cover, since it will dissolve the plastic.

Record Changer Drops More Than One Record At A Time on Turntable

If the centerpost slider (see figure 3) does not move freely on the record changer, then more than one record at a time may drop to the turntable. To correct this condition, the centerpost slider should be cleaned with carbon tetrachloride and lubricated with a light machine oil. If this does not correct the difficulty, the spring within the record ejector and spring assembly (122), may have lost its tension, and it should be bent to increase tension or be replaced.

Changing the leveling arm angle slightly will, in some instances, improve record push-off action.

Reducing Possibility of Groove Skipping on 45 RPM Records

Groove skipping (failure of needle to follow grooves on 45 RPM record) may be caused by the tone arm shielded lead (5) being improperly dressed, or too short, producing a drag on the tone arm. This may be corrected by improving the shielded lead dress, or, if necessary, replacing the tone arm shielded lead (5) with new longer lead (part number G400A660).

Reducing Rumble

Rumble is due to vibrations developed by the motor, finding a conducting path to the ceramic pick-up. This path is generally through the thrust bearing to the turntable. To reduce rumble developed in this manner, the thrust bearing should be thoroughly cleaned with carbon tetrachloride and packed with a heavy grease which can be ordered under Admiral part number 418A68 or Houghton Absorbed Oil #100. Rumble may also be caused by insufficient motor grommet cushioning, idler wheel not rolling freely, or idler wheel being at an angle. These points should be checked if cleaning and greasing thrust bearing does not reduce rumble.

PARTS LIST

Most major parts are identified by reference number in the various illustrations in this manual. To identify any parts not shown (up to reference number 109) use this parts list with the exploded view given in Service Manual No. S454, figure 11.

Ref. No.	Description	Part No.	Ref. No.	Description	Part No.
1	Tone Arm		26	Leveling Arm Assembly	
	Maroon; RC604.....	403C 60		Gold Spray; RC604, RC624,	
	RC624, RC644, RC684	403C 84-2		RC644, RC684.....	G400B 662-2
	Green; RC664, RC674.....	403C 84-4		Brass; RC654.....	G400B 662
	Coral; RC654.....	403C 84-3		Green; RC664, RC674.....	G400B 662-3
2	Cartridge with Needles and Pin		27	Leveling Arm Return Spring.....	405A 150
	Jacks		28	Retaining Ring (2 required).....	401A 355-3
	RC604, RC684.....	409A 17	29	Tone Arm Rest	
	RC624, RC674.....	409B 21		RC604, RC624, RC644, RC684...	403A 65
	RC644, RC654, RC664.....	409B 20		RC664, RC674.....	403A 65-2
	*Cartridge with Needles and Pin		30	Speed Nut (3/16").....	2B 10-40-59
	Jacks, RC654.....	409B 19-8	31	Phono Escutcheon	
3	Needle(s), Replacement			Green; RC664, RC674.....	403D 64-4
	RC604, RC684.....	98B 15-29		Gold; RC604, RC624,	
	RC624, RC674.....	98B 15-44		RC644, RC684.....	403D 64-3
	RC644, RC654, RC664.....	98B 15-43	32	Screw for Mounting Escutcheon,	
	*LP, RC654.....	*98B 15-32		#2x5/16" (not used on RC654).	1A 28-53-57
	*STD, RC654.....	*98B 15-31	33	Turntable	
4	Cartridge Mounting Screws			RC604, RC624, RC674, RC684...	401B 395
	RC604, RC684.....	1A 73-1-20		RC644.....	G400B 633
	RC624, RC644, RC654, RC664,			RC654.....	G400B 633-1
	RC674, RC684.....	1A 69-1-55		RC664.....	G400B 633-2
5	Tone Arm Shielded Lead.....	413A 13-1	34	Speed Selector Link Assembly....	G400A 607
6	Set-Down Adjusting Screw,		35	Switch and Reject Arm Assembly..	G400A 608
	#4-40x3/4 BMS.....	45-750-C2-47	36	Spring Washer	
7	Set-Down Adjusting Lock Spring..	405A 137		RC604, RC624, RC664, RC674,	
8	Tone Arm Mtg. and Pivot Plate			RC684.....	4A5 -19-0
	Assembly.....	G400A 611	37	Flat Washer (6 required).....	401A 388
9	Speed Nut, 1/8" (2 required)....	2B 10-5-59	38	Reject Arm Return Spring; Shut-	
10	Tone Arm Counterweight			Off Link Return Spring.....	405A 140
	1 required.....	401A 403-1	39	Gear Indexing Arm and Stud	
	3 required.....	401A 403-2		Assembly.....	G400A 620
	Tone Arm Counterweight, RC604		40	Gear Indexing Spring.....	405A 147
	only.....	404A 40	41	Flat Washer (5 required).....	4B 2-178-0
11	Counterweight Mounting Screw		42	Drive Gear and Stud Assembly....	G400A 587
	(2 required)		43	Trip Pivot Hub.....	402A 292
	#4x1/2 RH Phillips.....	1A 69-1-55	44	Trip Motion Arm.....	401A 351-1
	#4x5/8 RH, RC604 only.....	1A 70-6-20	45	Fiber Washer.....	412A 36
12	Lift Adjusting Screw.....	402A 290	46	Gear Engagement Pawl.....	401A 352
13	Lift Adjusting Spring.....	405A 148	47	Trip Friction Washer.....	401A 366
14	Index Rubber Finger Cap.....	406A 27	48	Retaining Ring.....	401A 355-6
	RC654 only.....	406A 29	49	Trip Slider.....	G400A 575
15	Retaining Ring (12 required)....	401A 355-1	50	Oil Retaining Felt Washer	
16	Pivot Shaft.....	414A 48		(2 required).....	98A 15-9
17	Tone Arm Mount and Hub (includes		51	16 RPM Drive Wheel.....	98B 15-51
	Allen Set Screw).....	G400A 610	52	33-1/3 RPM Drive Wheel.....	98B 15-52
18	Allen Set Screw, #8-32x3/16		53	16 RPM Drive Belt.....	406A 31
	(2 required).....	402A 296	54	Idler Wheel Tie Lug.....	98B 15-21
19	Tone Arm Plastic Base Assembly		55	Idler Wheel Spring.....	98A 15-20
	(includes bearings)		56	Idler Wheel	
	Maroon; RC604, RC624, RC644,			Moulded; RC644, RC654, RC664	98B 15-48
	RC684.....	403C 61		Standard; RC604, RC624, RC674,	
	Green; RC664, RC674.....	403C 61-2		RC684.....	98B 15-47
20	Snap-In Buttons.....	13A 2-8-57	57	Washer.....	98B 15-49
21	"Hold-Down" Screw		58	Retaining Ring.....	98B 15-50
	RHMS #8-32x1 1/2".....	80-1500-C2-24	59	Retaining Ring.....	401A 396-4
	FHMS #10-32x1 3/4".....	102-1750-F2-57	60	Set-Down Pivot Retaining Spring.	405A 161
22	Plastic Control Pointer (2		61	Retaining Ring.....	401A 396-5
	required)		62	Spacer Washer.....	415A 34
	Maroon; RC604, RC624, RC644,		63	Set-Down Arm Assembly.....	G400A 616
	RC684.....	403A 63	64	Tone Arm Control Lever and	
	Green; RC664, RC674.....	403A 63-2		Shaft Assembly.....	G400A 615
	Coral (includes inlay, ref.		65	Lift Rod.....	402A 284
	no. 137); RC654.....	G400A 654	66	Engagement Spring.....	405A 144
23	Control Knob Lever (2 required).	401A 385	67	Washer (0.196x5/16x1/64)	
	RC654 only.....	401A 418		(2 required).....	4B1-195-47
24	Control Knob Mtg. Screw, #4x1/2		68	Set-Down Arm Return Spring.....	405A 146
	PHST (2 required).....	402A 342	69	Set-Down Index Assembly	
25	Screw, #6-32x3/16" BH (includes			RC604, RC624, RC644, RC664,	
	lock washer) (3 required)....	760-187-C2-57		RC674, RC684.....	G400A 618
				RC654.....	G400A 553

*Used in early production RC654 record changers up to run 2M5.

Ref. No.	Description	Part No.
70	Set-Down Index Return Spring....	405A 143
71	Control Plate Assembly.....	G400A 621
72	Retaining Ring.....	401A 355-2
73	Safety Arm and Stud Assembly....	G400A 622
74	Safety Spring.....	405A 145
75	Drive Link.....	401A 375
76	Shut-Off Link and Arm Assembly..	G400A 629
77	Shut-Off Arm Spring.....	405A 151
78	Cam Return Spring.....	405A 152
79	Retaining Ring.....	401A 355-7
80	Shut-Off Delay Stop.....	401A 398
81	Shut-Off Delay Stop Engagement Spring.....	405A 153
82	Drive Eccentric Assembly.....	G400A 605
83	Screw, #8-32x $\frac{1}{4}$ " BH (includes lock washer).....	285-250-C2-47
84	Push-Off Link.....	401A 379
85	Push-Off Lever Assembly.....	G400A 632
86	Washer (0.196x3/8x1/32).....	4B 1-68-47
87	Turntable Hub Support and Shaft (less Allen set screw).....	404B 41
88	Screw, Self-tapping, #6x3/8 (3 required).....	1A 70-10-47
89	Drive Gear Bearing.....	415A 31
90	Retaining Ring.....	405A 99
91	Turntable Thrust Bearing.....	415A 29
92	Push-Off Adjustment Nut.....	402A 277
93	Push-Off Shaft Return Spring....	405A 142
94	Centerpost Assembly (includes 92 and 93).....	G400B 601
95	Screw, Self-Tapping, #6x5/8 (3 required).....	402A 263
96	Tone Arm Lead Clamp.....	9A 8-2
97	Shut-Off Link Hold-Down.....	414A 50
98	Screw, Self-Tapping, #6x3/16" RH	402A 346
99	Switch and Mtg. Plate Assembly..	G400A 606
100	4 Speed Motor Complete (RC604, RC624, RC674, RC684, RC644, RC654, RC664).....	407Y23-2
101	Motor Grommet.....	406A 19
102	Retaining Ring (3 required)....	401A 355-4
103	Speed Selector Link Grommet.....	406A 24
104	Float Spring, 3/4" high (3 required).....	19A 10-5
105	Terminal Board (RC604, RC624, RC634, RC644, RC654, RC664, RC674, RC684).....	10B 1-18 10D 1-29
106	Audio Cable (20") includes Plug.	413A 11-5
107	Changer Pan Assembly (RC604, RC624, RC644, RC674, RC684).....	G400D 664 G400D 664-3 G400D 649
108	45 RPM Record Adapters.....	48A 8-2
109	Plastic Tubing, 1 $\frac{1}{2}$ ".....	96B 18-9-10-0
†110	Cartridge Knob, Coral.....	403A 75-2
†111	Set Screw (for cartridge knob)..	409B 19-5
†112	Knurled Nut (fits between cartridge knob and tone arm).	409B 19-4
†113	Locating Plate for 409B 19-8 cartridge.....	409B 19-3
114	Cocking Roller for 12" Set-Down Slide Assembly (RC654 only)...	402A 354
115	33 1/3 RPM Drive Belt.....	406A 20
†116	Tone Arm Counterweight Slug (3 required).....	401A 403-2
117	Set-Down Adjusting Washer (0.125x $\frac{1}{4}$ x1/32").....	4B1-19-47
118	Counterbalance Spring.....	405A 163
†119	Tone Arm Clip.....	401A 426
120	Push-Off Safety Spring.....	405A 154
†RC654 Record Changers Only, Runs 2K5, 2L5 & 2M5 Using 409B 19-8 Cartridge.		

Ref. No.	Description	Part No.
121	Record Ejector and Spring Assembly.....	98A 77
122	Washer, Motor Mtg. (0.256x $\frac{1}{2}$ x1/32") (3 required).....	4B 1-127-47
123	Alden Plug (RC604, RC624, RC684).....	88A 8-1 88A 8-5
124	45 RPM Spindle Holder.....	403A 71
125	Record Changer Pan Cover, Beige (RC654 only) (includes inlays, ref. nos. 138, 139 and 140)..	G400C 667
126	45 RPM Spindle Holder Cap.....	403A 73
127	Tone Arm Alignment Bracket and Trigger Assembly (RC654 only)	G400A 651
128	Trigger Cocking Spring (RC654 only).....	405A 160
129	12" Set-Down Slide Assembly (RC654 only).....	G400A 652
130	Record Clamp Spring (RC654 only)	405A 162
131	Record Clamp Bearing (RC654 only).....	404B 46
132	12" Set-Down Slide Spring (RC654 only).....	405A 159
133	Drive Screw, #6x $\frac{1}{4}$ " HH (for mtg. record changer pan cover, 7 required) (RC654 only).....	402A 355
134	Tone Arm Clip, RC654, RC664, RC674, RC684.....	401A 428
135	Tone Arm Clip Stud, RC654, RC664, RC674, RC684.....	402A 358
136	Tone Arm Clip Mtg. Screw, RC654, RC664, RC674, RC684.....	1A 69-1-55
137	Control Knob Inlay (RC654 only).	401A 417
138	Speed Inlay, "33-78-45-N-16" (RC654 only).....	401B 416-3
139	Inlay, "Rej-On-Off" (RC654 only)	401B 416-2
140	Admiral Crest Inlay (RC654 only)	401A 415
141	Resistor, 330,000 ohms, $\frac{1}{2}$ watt (RC654 only).....	60B 8-334
142	Capacitor, 0.1 mf, 200 volts, tubular (RC654 only).....	64B 5-30

**PARTS FOR CONVERTING
407Y23-1 AND 407Y23-2 MOTORS
FOR 50 CYCLE OPERATION**

50 Cycle Conversion Kit..... 98B 15-54

PARTS LIST FOR 45 RPM SPINDLE (G400B645)

Ref. No.	Description	Part No.
1	Spindle Cap.....	403A 68
2	Index and Retaining Spring.....	401A 413
3	Screw, #4x $\frac{1}{4}$ " Elco Pan Head (2 required).....	402A 342
4	Pivot Stud (2 required).....	402A 349
5	Record Slicer (2 required).....	401A 410
6	Slicer Return Spring.....	405A 156
	Record Shelf	
7a	Left.....	403A 70
7b	Right.....	403A 69
8	Shelf Return Spring.....	405A 157
9	Push-Out Slider Assembly.....	G400A 639
10	Spindle Base Assembly.....	G400A 643
11	Spindle Shaft Assembly.....	G400A 640
12	Screw, #4-40x1 3/4" RHMS (3 required).....	40-1750-C2-47
13	Rotating Base Assembly.....	G400A 642
14	Retaining Ring.....	400A 414

Canadian Admiral Corporation, Ltd.

J.C.10/55

501 Lakeshore Road,
Port Credit, Ontario

Form No. ST569-1